

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028808.D
 Acq On : 19 Dec 2018 20:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 20 03:24:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	112515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	188056	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89068	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	74653	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
35) Dibromofluoromethane	4.88	113	61903	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	7.56	98	241148	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	10.30	95	89365	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	69101	45.820	ug/l	100
3) Chloromethane	1.33	50	109975	39.664	ug/l	99
4) Vinyl Chloride	1.40	62	95757	47.857	ug/l	100
5) Bromomethane	1.61	94	45109	55.966	ug/l	99
6) Chloroethane	1.69	64	54684	48.275	ug/l	99
7) Trichlorofluoromethane	1.88	101	99647	47.334	ug/l	97
8) Diethyl Ether	2.10	74	47211	47.934	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62544	49.676	ug/l	97
10) Methyl Iodide	2.41	142	67450	68.275	ug/l	95
11) Tert butyl alcohol	2.83	59	85888	224.513	ug/l	99
12) 1,1-Dichloroethene	2.28	96	62915	50.223	ug/l	86
13) Acrolein	2.19	56	60248	197.556	ug/l	100
14) Allyl chloride	2.59	41	113619	38.339	ug/l #	95
15) Acrylonitrile	2.93	53	246055	231.671	ug/l	98
16) Acetone	2.32	43	184163	164.364	ug/l	90
17) Carbon Disulfide	2.48	76	210531	46.650	ug/l	99
18) Methyl Acetate	2.61	43	131429	45.250	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	224425	47.258	ug/l	97
20) Methylene Chloride	2.70	84	76066	46.053	ug/l	90
21) trans-1,2-Dichloroethene	2.98	96	71672	50.815	ug/l	90
22) Diisopropyl ether	3.57	45	247760	42.991	ug/l	95
23) Vinyl Acetate	3.52	43	1002617	210.917	ug/l #	95
24) 1,1-Dichloroethane	3.45	63	137857	45.698	ug/l	99
25) 2-Butanone	4.26	43	306811	200.371	ug/l	93
26) 2,2-Dichloropropane	4.22	77	102773	42.995	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	82729	51.821	ug/l	89
28) Bromochloromethane	4.55	49	57323	41.799	ug/l	85
29) Tetrahydrofuran	4.64	42	208171	211.684	ug/l	90
30) Chloroform	4.67	83	126710	48.192	ug/l	97
31) Cyclohexane	4.99	56	130293	44.118	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	103248	47.282	ug/l	97
36) 1,1-Dichloropropene	5.13	75	99745	48.470	ug/l	97
37) Ethyl Acetate	4.38	43	117148	44.037	ug/l	96
38) Carbon Tetrachloride	5.13	117	83210	50.167	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	120870	48.144	ug/l	93
40) Benzene	5.39	78	313937	51.797	ug/l	99
41) Methacrylonitrile	4.54	41	65250	44.788	ug/l	93
42) 1,2-Dichloroethane	5.40	62	98683	46.515	ug/l	97
43) Isopropyl Acetate	5.55	43	184410	43.827	ug/l #	95
44) Trichloroethene	6.19	130	78162	58.000	ug/l	91
45) 1,2-Dichloropropane	6.43	63	86373	50.677	ug/l	97
46) Dibromomethane	6.56	93	52440	51.856	ug/l	93
47) Bromodichloromethane	6.76	83	98116	49.860	ug/l	100
48) Methyl methacrylate	6.62	41	93046	44.467	ug/l	90
49) 1,4-Dioxane	6.61	88	36891	1116.568	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	591910	223.041	ug/l	94
52) Toluene	7.64	92	188863	52.948	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	114252	48.749	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	126382	49.704	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	76097	53.970	ug/l	98
56) Ethyl methacrylate	8.02	69	123011	50.946	ug/l	88
57) 1,3-Dichloropropane	8.24	76	132536	50.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	277462	224.351	ug/l	95
59) 2-Hexanone	8.36	43	450546	214.195	ug/l	92
60) Dibromochloromethane	8.48	129	72945	52.841	ug/l	99
61) 1,2-Dibromoethane	8.58	107	80954	54.750	ug/l	99
64) Tetrachloroethene	8.22	164	65078	55.257	ug/l	97
65) Chlorobenzene	9.12	112	199156	52.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	67082	55.833	ug/l	98
67) Ethyl Benzene	9.25	91	353942	51.173	ug/l	99
68) m/p-Xylenes	9.37	106	270254	107.382	ug/l	96
69) o-Xylene	9.78	106	133011	54.384	ug/l	94
70) Styrene	9.79	104	219644	54.265	ug/l	97
71) Bromoform	9.96	173	58395	57.133	ug/l #	100
73) Isopropylbenzene	10.16	105	342052	50.048	ug/l	99
74) N-amyl acetate	10.01	43	162629	41.252	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	133405	50.813	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	156377	68.756	ug/l	83
77) Bromobenzene	10.45	156	86059	53.840	ug/l	91
78) n-propylbenzene	10.58	91	416819	49.081	ug/l	98
79) 2-Chlorotoluene	10.66	91	245386	50.162	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	288769	51.043	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	156377	167.802	ug/l #	100
82) 4-Chlorotoluene	10.77	91	280252	48.345	ug/l	96
83) tert-Butylbenzene	11.10	119	279697	51.293	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	294200	50.460	ug/l	96
85) sec-Butylbenzene	11.32	105	349550	49.898	ug/l	98
86) p-Isopropyltoluene	11.47	119	297319	49.963	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	156507	51.854	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	158395	50.724	ug/l	99
89) n-Butylbenzene	11.89	91	281388	46.723	ug/l	99
90) Hexachloroethane	12.14	117	46258	51.430	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	156372	51.795	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27396	48.198	ug/l	87

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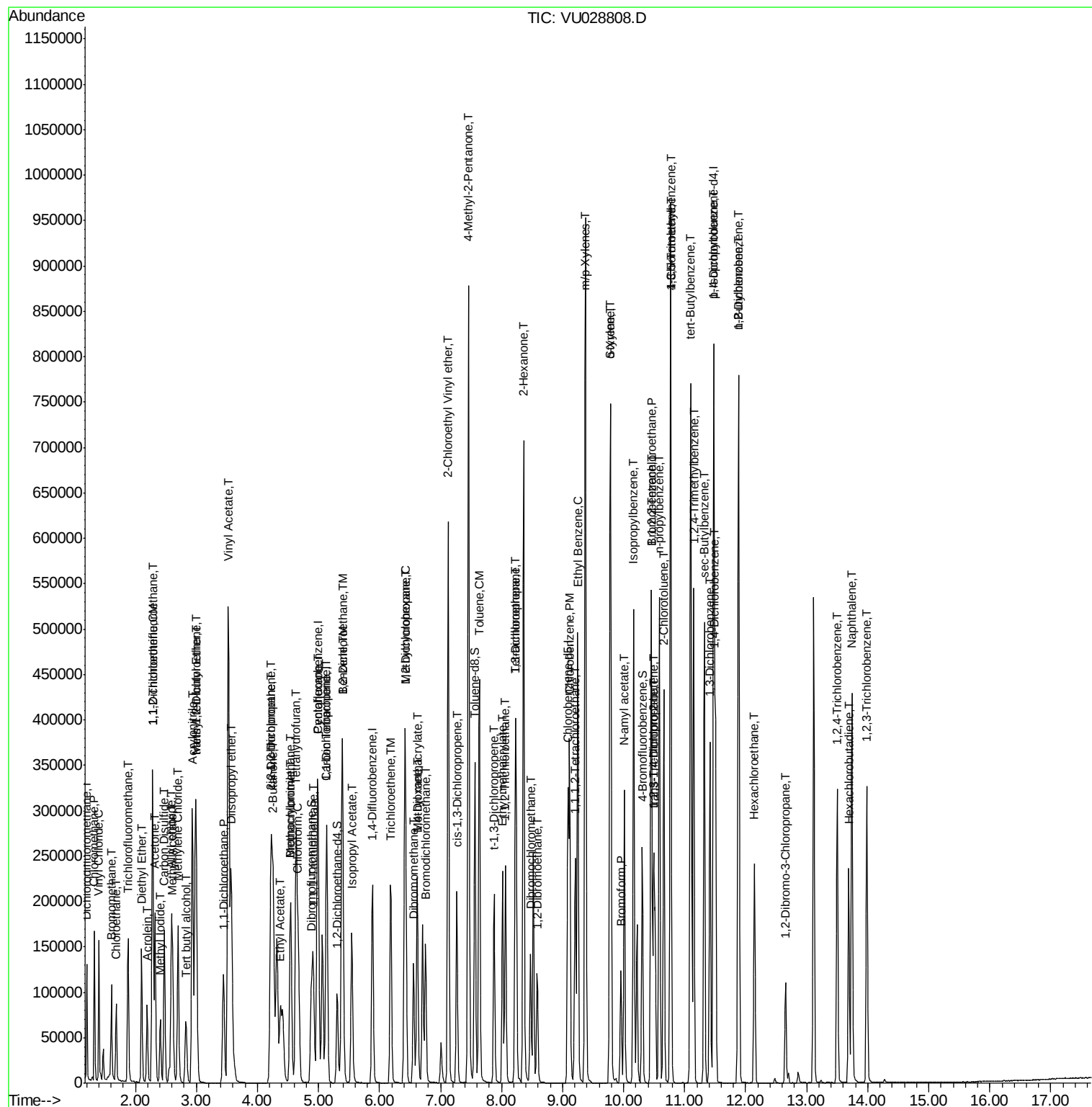
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103795	50.031	ug/l	99
94) Hexachlorobutadiene	13.69	225	46721	47.243	ug/l	96
95) Naphthalene	13.74	128	352052	48.595	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	105009	50.855	ug/l	100

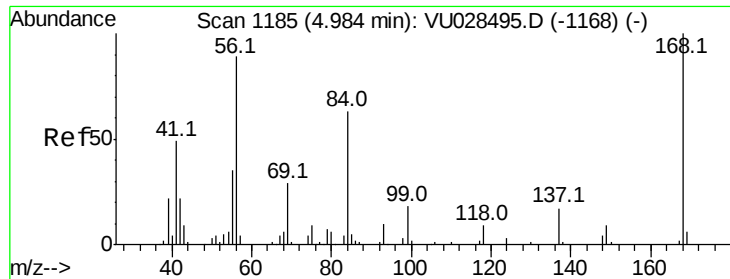
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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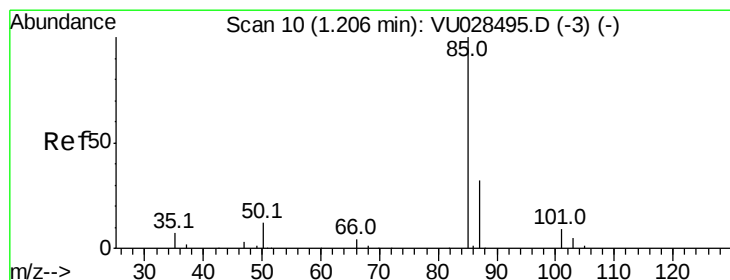
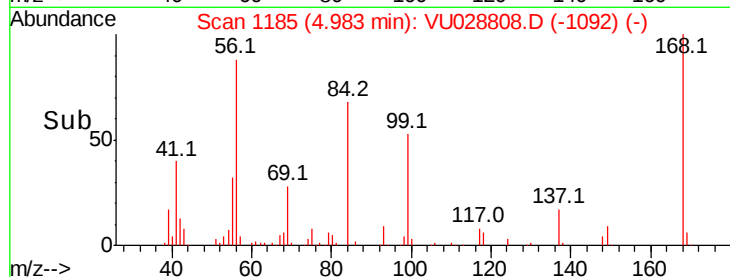
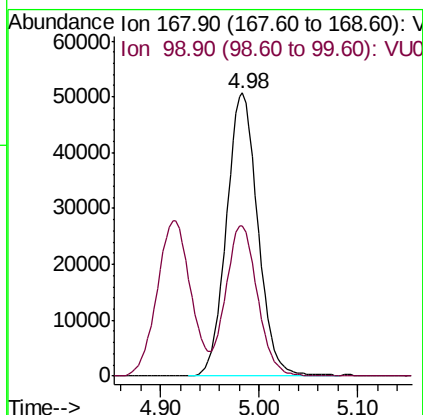
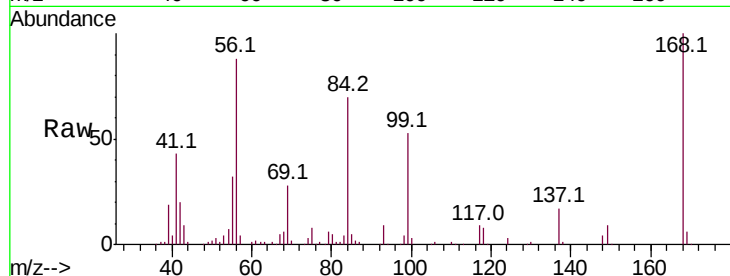




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.00 min
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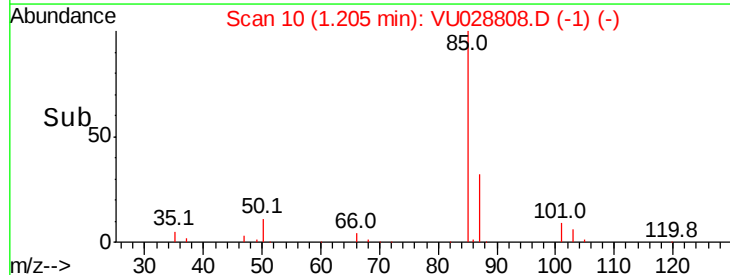
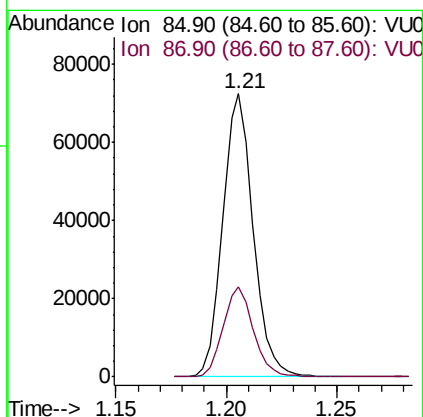
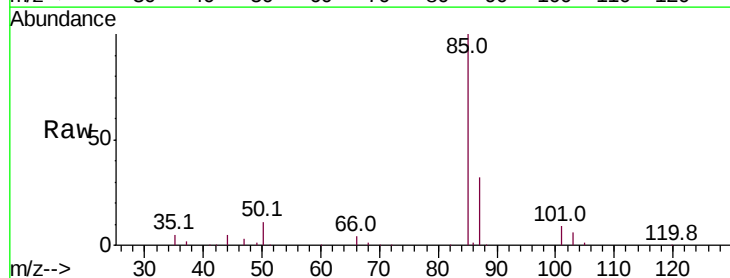
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

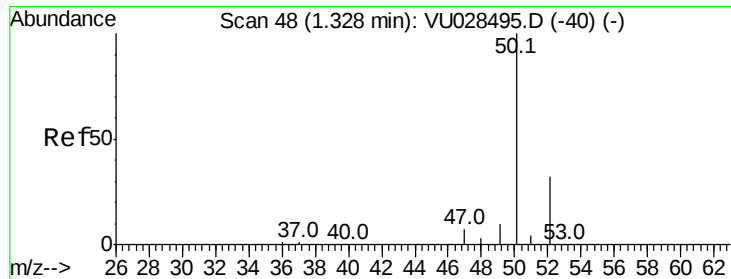
Tot Ion:168 Resp: 112515
Ion Ratio Lower Upper
168 100
99 52.8 46.6 69.8



#2
Dichlorodifluoromethane
Concen: 45.820 ug/l
RT: 1.21 min Scan# 10
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 85 Resp: 69101
Ion Ratio Lower Upper
85 100
87 31.6 15.9 47.6





#3

Chloromethane

Concen: 39.664 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

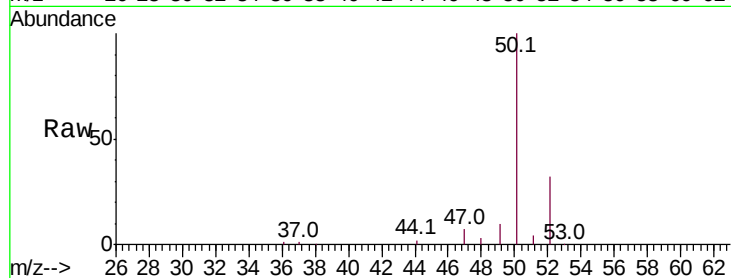
VSTDCCC050EC

Tot Ion: 50 Resp: 109975

Ion Ratio Lower Upper

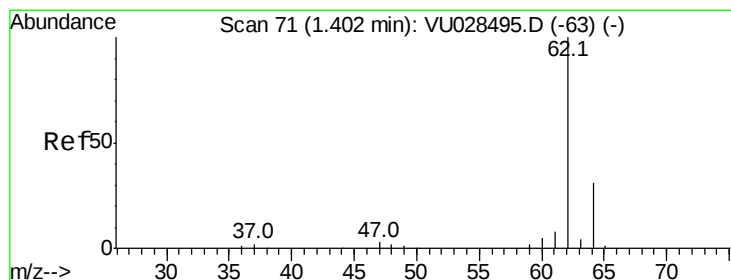
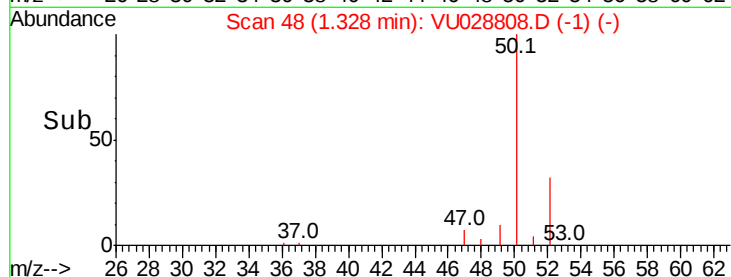
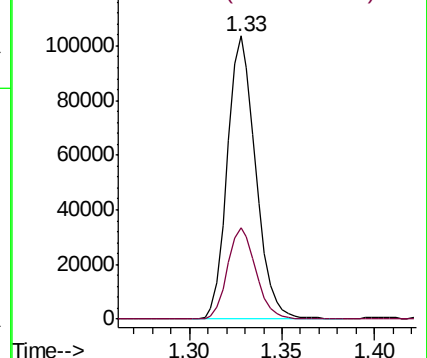
50 100

52 32.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.857 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028808.D

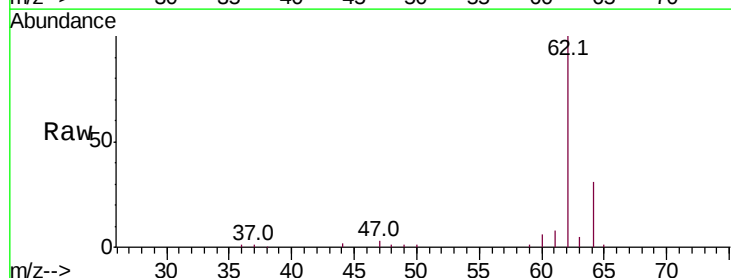
Acq: 19 Dec 2018 20:58

Tgt Ion: 62 Resp: 95757

Ion Ratio Lower Upper

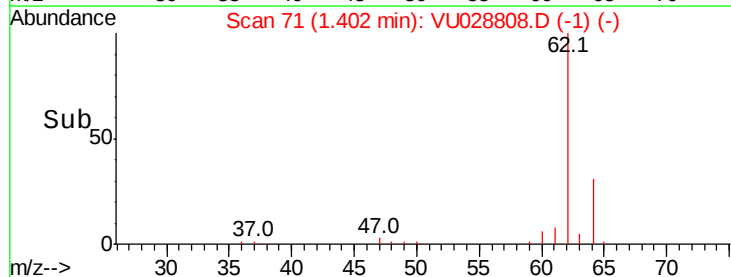
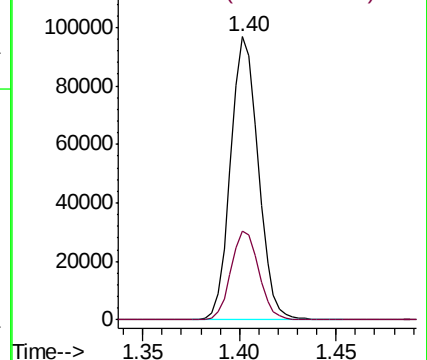
62 100

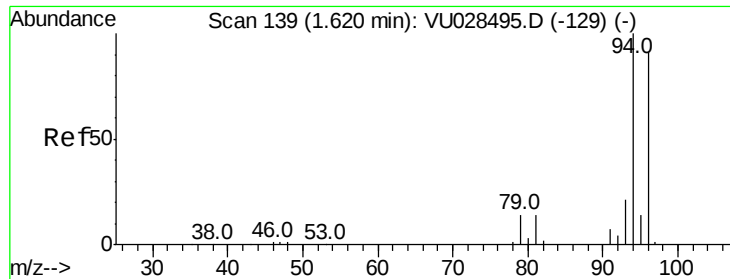
64 31.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 55.966 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

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ClientSampleId :

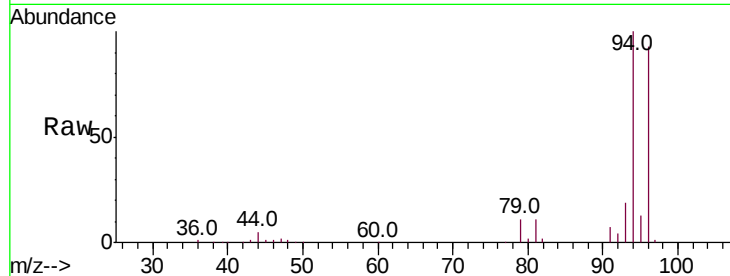
VSTDCCC050EC

Tot Ion: 94 Resp: 45109

Ion Ratio Lower Upper

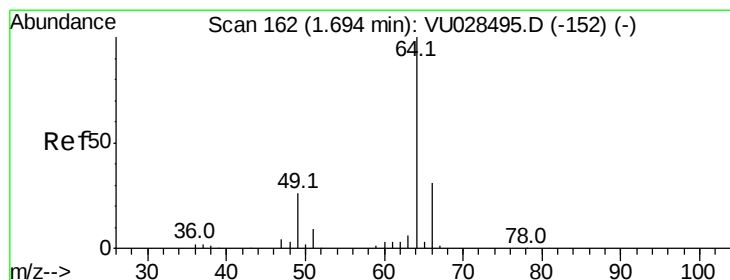
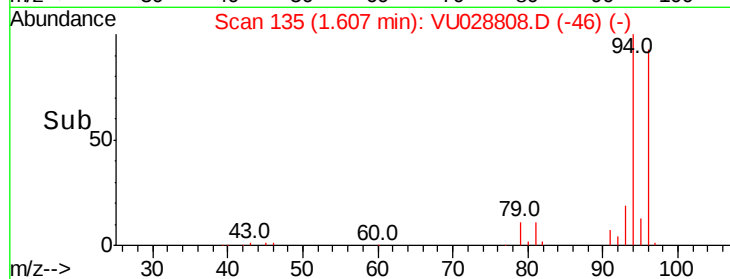
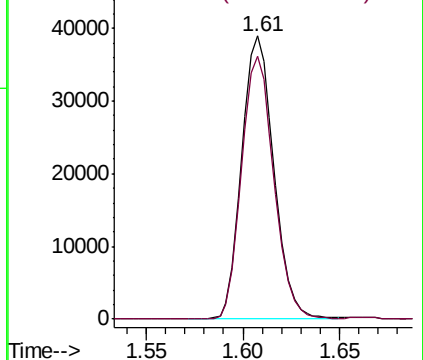
94 100

96 92.8 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.275 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028808.D

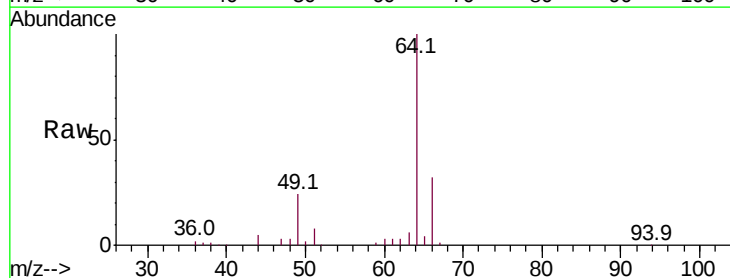
Acq: 19 Dec 2018 20:58

Tgt Ion: 64 Resp: 54684

Ion Ratio Lower Upper

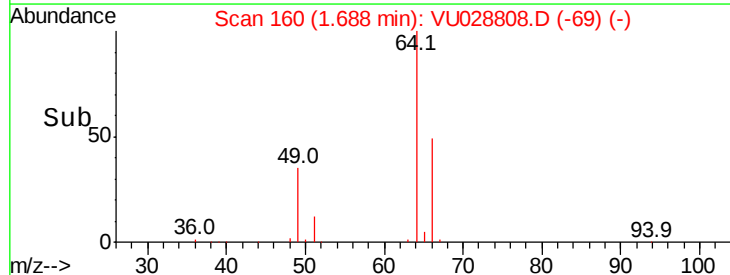
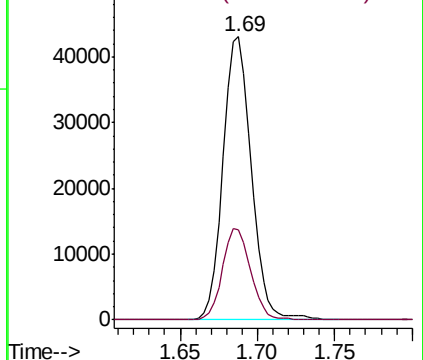
64 100

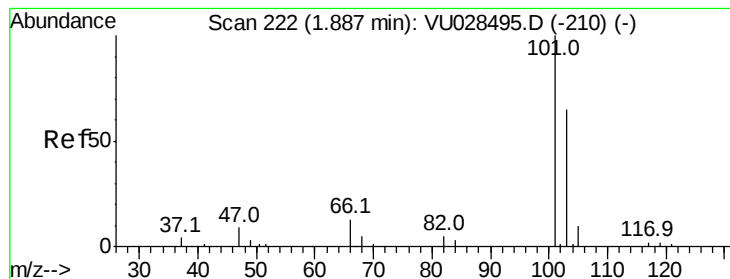
66 31.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



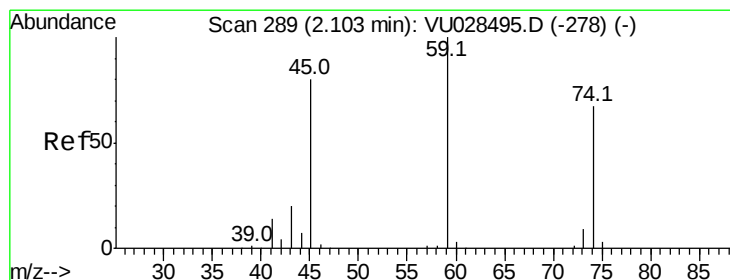
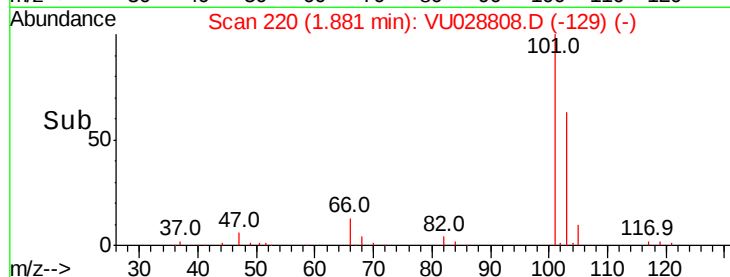
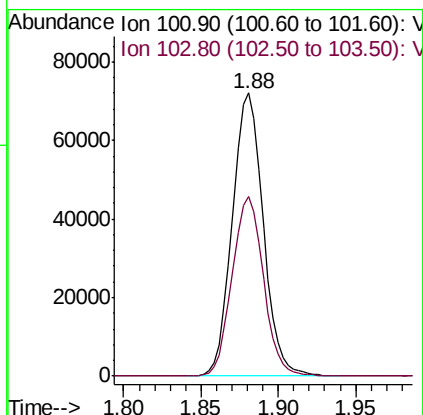
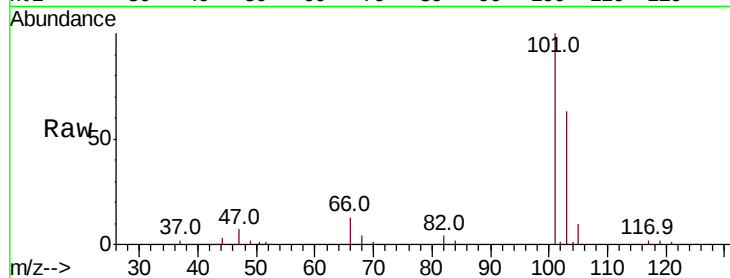


#7

Trichlorofluoromethane
 Concen: 47.334 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

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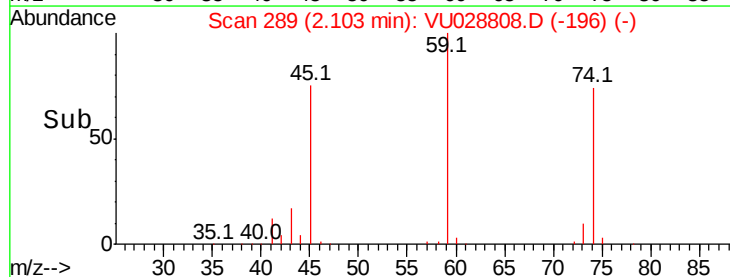
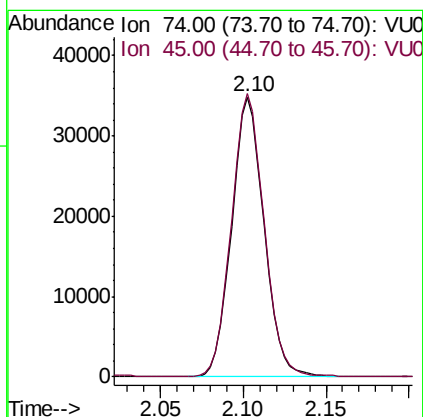
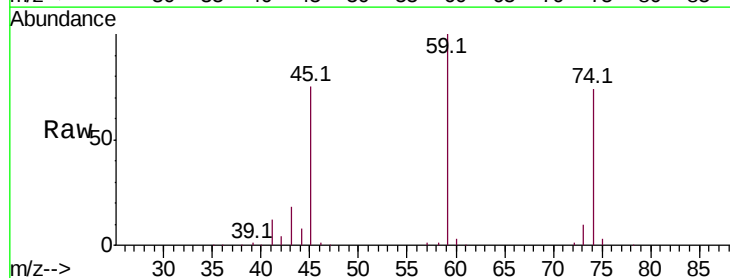
Tot Ion:101 Resp: 99647
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.3 78.5

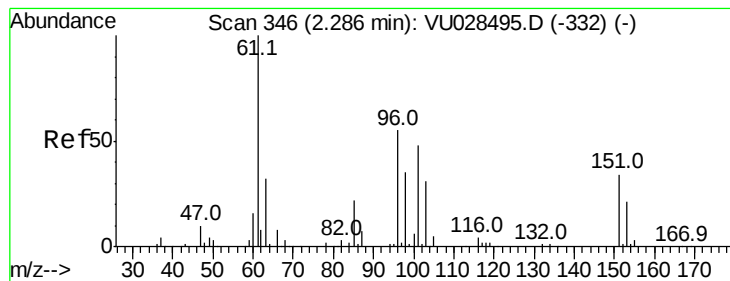


#8

Diethyl Ether
 Concen: 47.934 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 74 Resp: 47211
 Ion Ratio Lower Upper
 74 100
 45 103.0 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.676 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

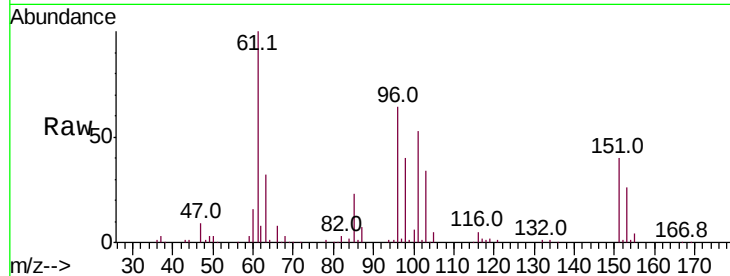
Tot Ion:101 Resp: 62544

Ion Ratio Lower Upper

101 100

85 43.5 36.4 54.6

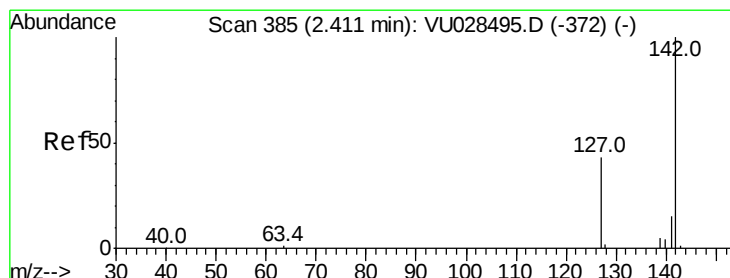
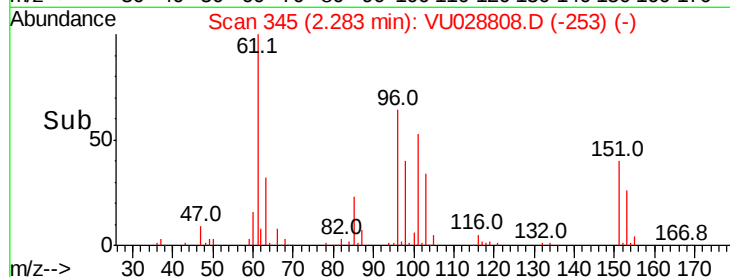
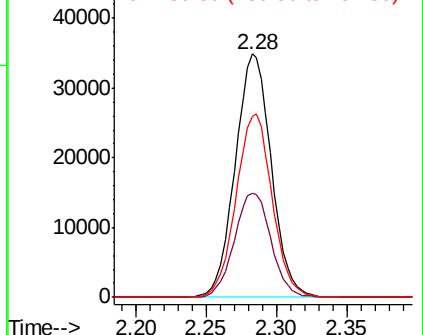
151 75.3 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 68.275 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

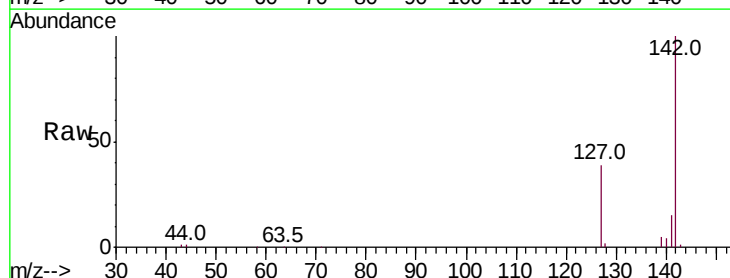
Tgt Ion:142 Resp: 67450

Ion Ratio Lower Upper

142 100

127 37.6 33.5 50.3

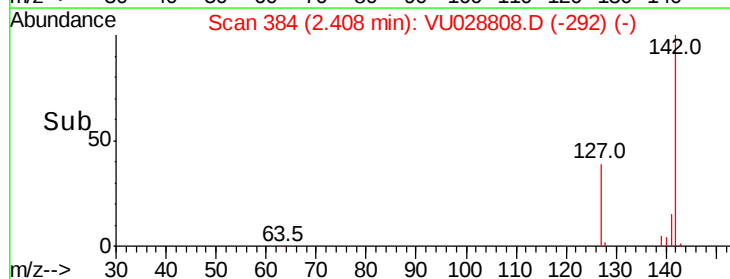
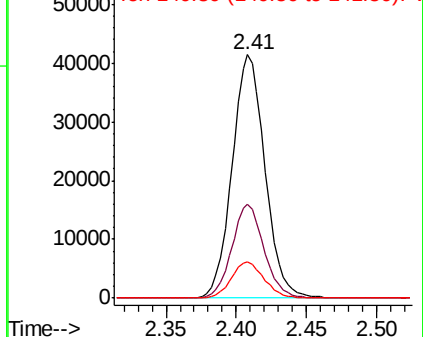
141 14.6 11.2 16.8

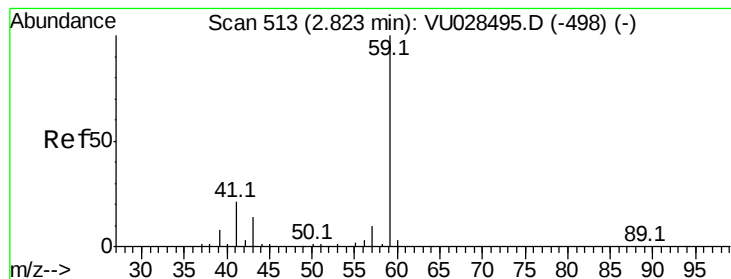


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



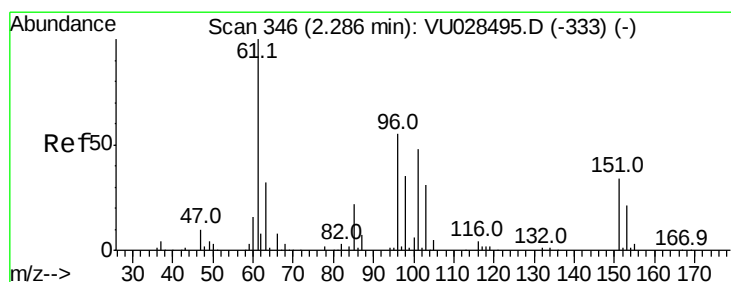
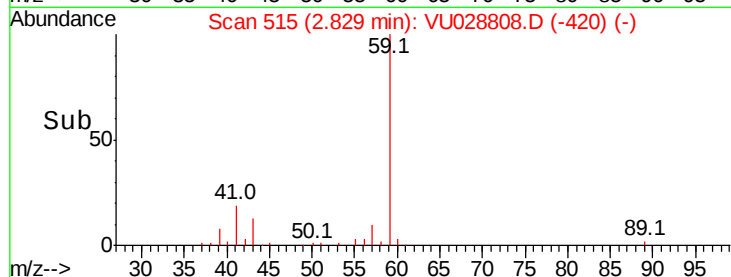
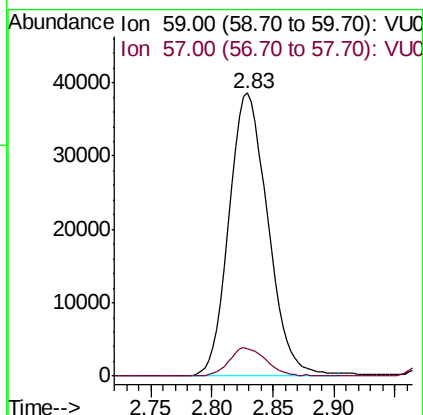
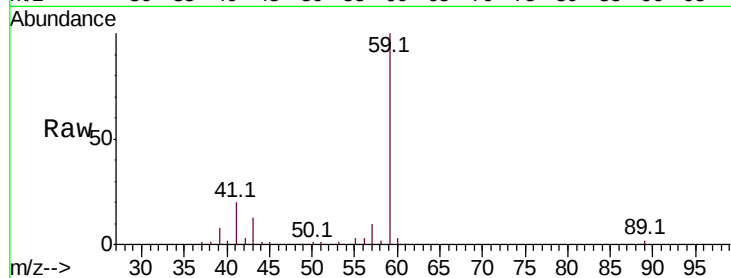


#11

Tert butyl alcohol
 Concen: 224.513 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

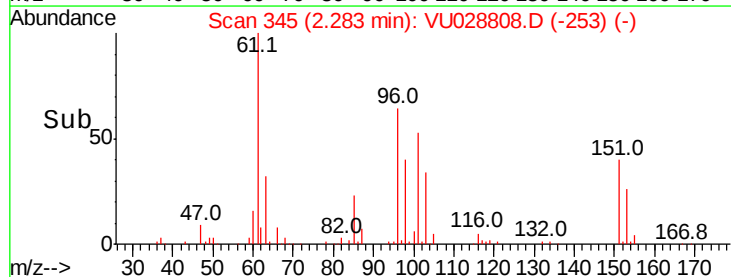
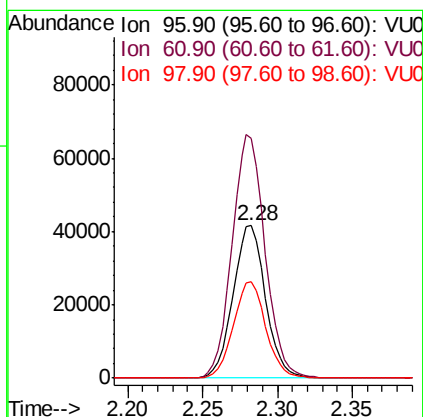
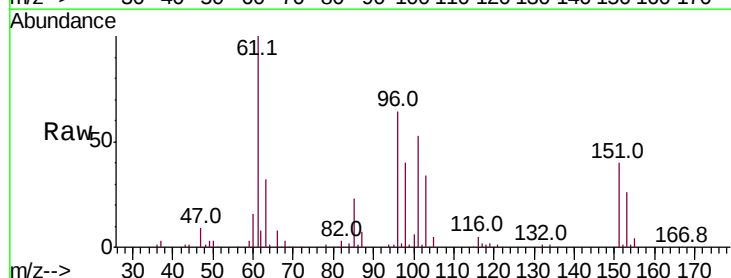
Tot Ion: 59 Resp: 85888
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.0 12.0

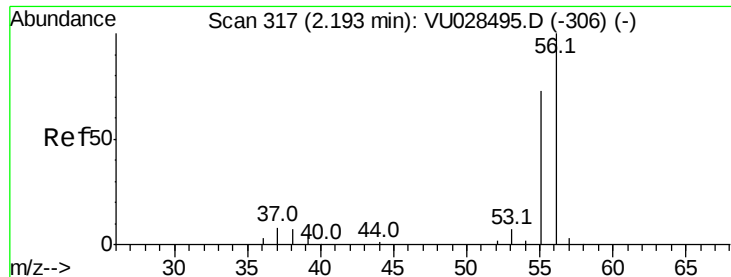


#12

1,1-Dichloroethene
 Concen: 50.223 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 96 Resp: 62915
 Ion Ratio Lower Upper
 96 100
 61 157.1 146.4 219.6
 98 63.0 51.8 77.8

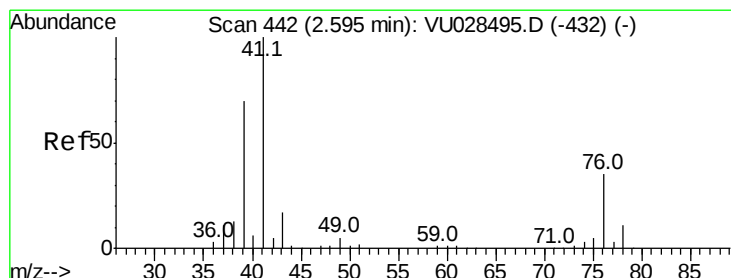
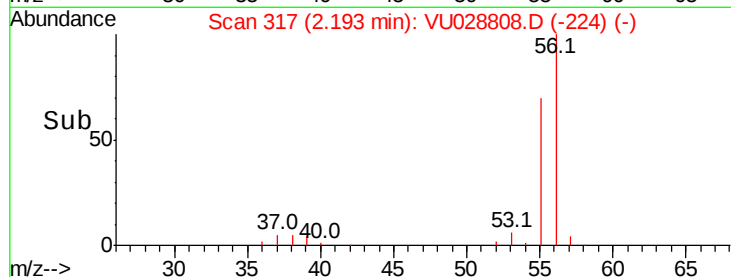
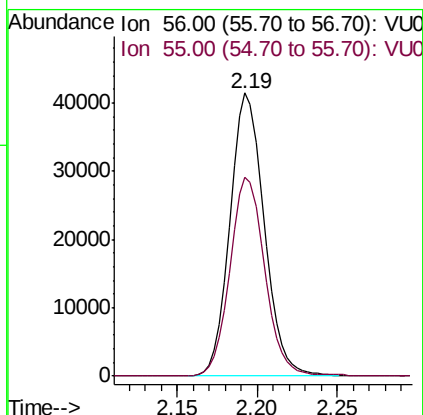
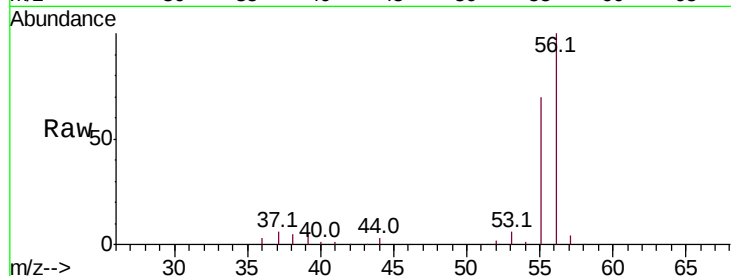




#13
Acrolein
Concen: 197.556 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

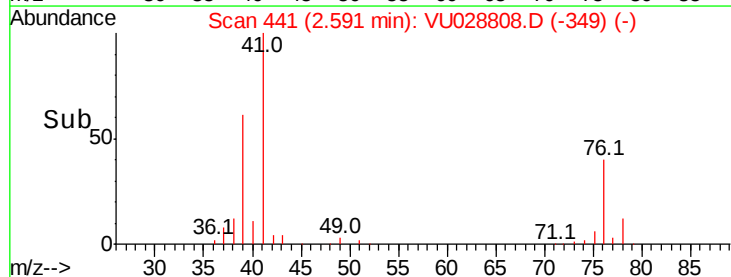
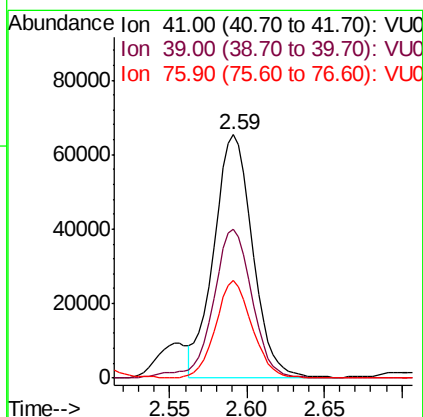
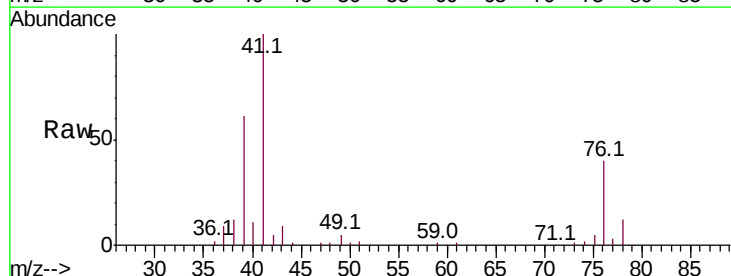
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

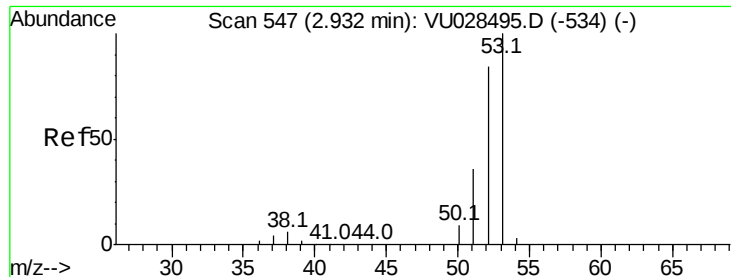
Tot Ion: 56 Resp: 60248
Ion Ratio Lower Upper
56 100
55 71.7 57.5 86.3



#14
Allyl chloride
Concen: 38.339 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 41 Resp: 113619
Ion Ratio Lower Upper
41 100
39 62.1 50.8 76.2
76 37.8 24.8 37.2#





#15

Acrylonitrile

Concen: 231.671 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

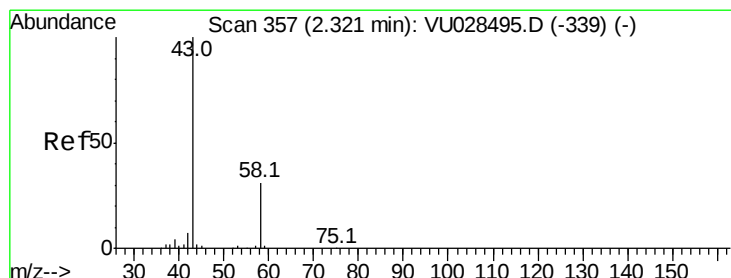
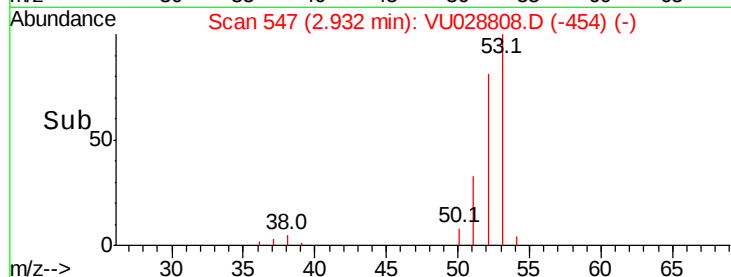
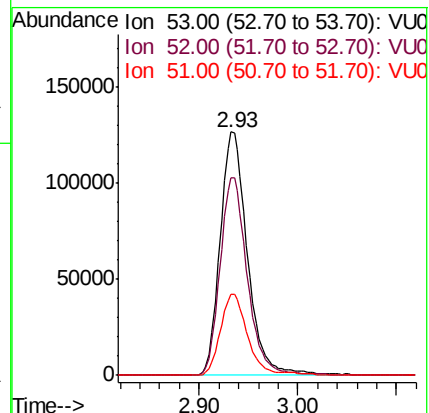
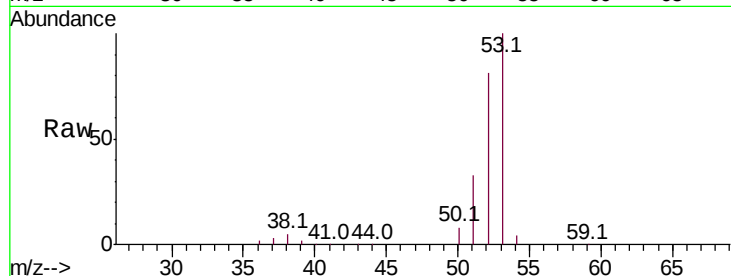
Tot Ion: 53 Resp: 246055

Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	33.7	28.1	42.1

53 100

52 81.2 66.1 99.1

51 33.7 28.1 42.1



#16

Acetone

Concen: 164.364 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028808.D

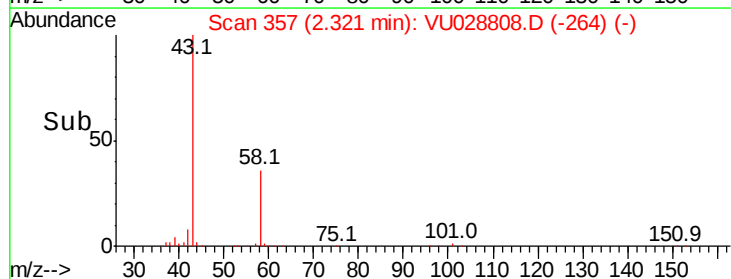
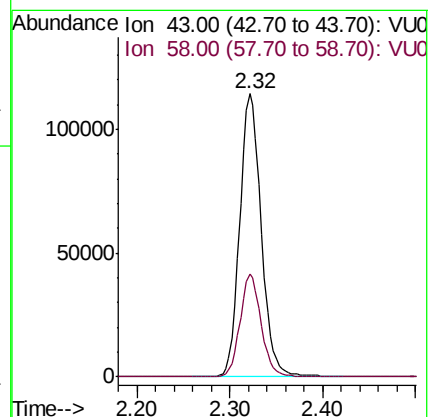
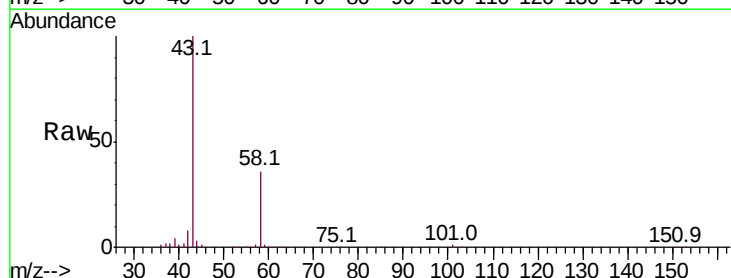
Acq: 19 Dec 2018 20:58

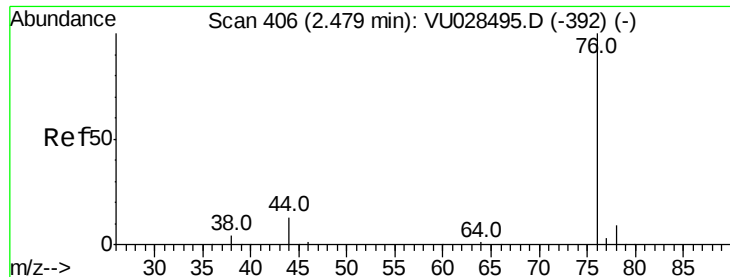
Tgt Ion: 43 Resp: 184163

Ion	Ratio	Lower	Upper
43	100		
58	36.2	24.6	37.0

43 100

58 36.2 24.6 37.0

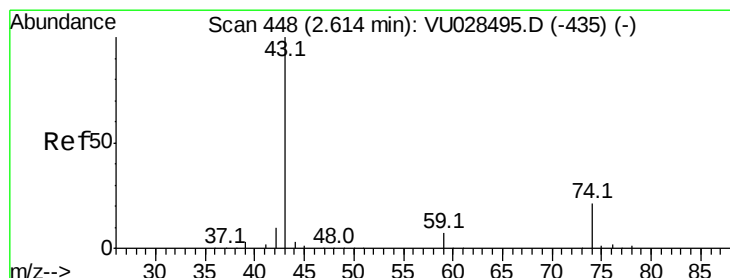
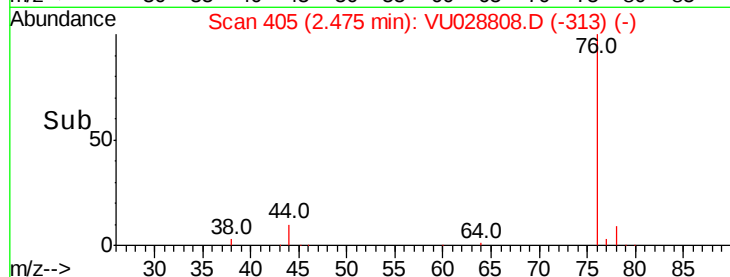
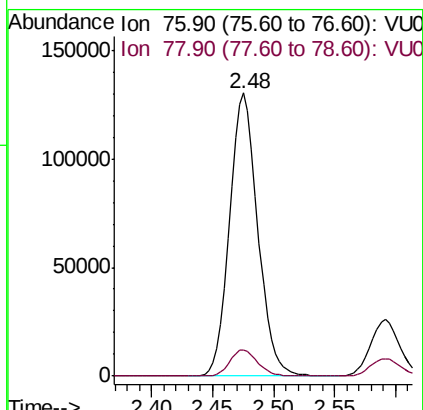
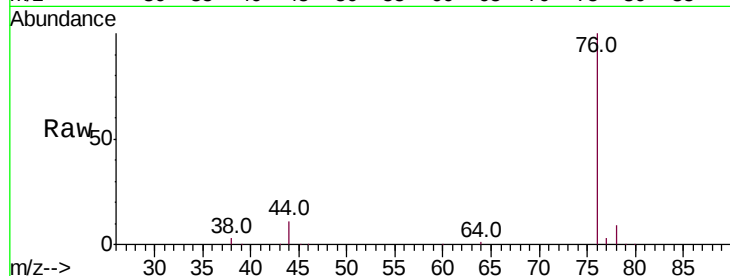




#17
Carbon Disulfide
Concen: 46.650 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

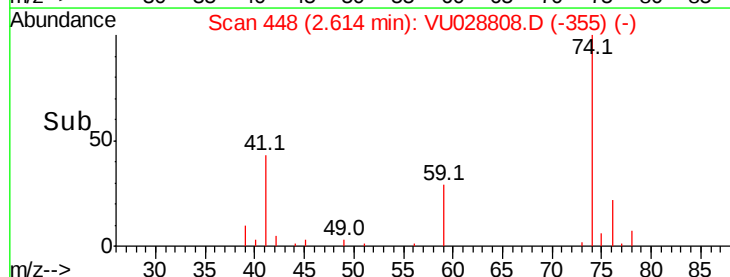
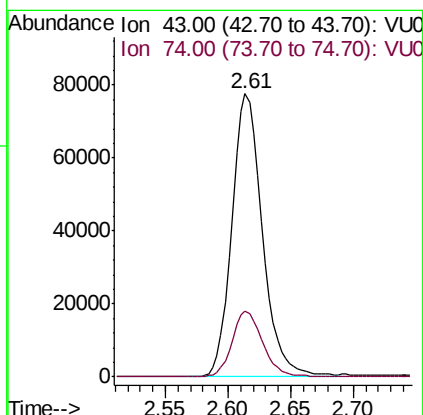
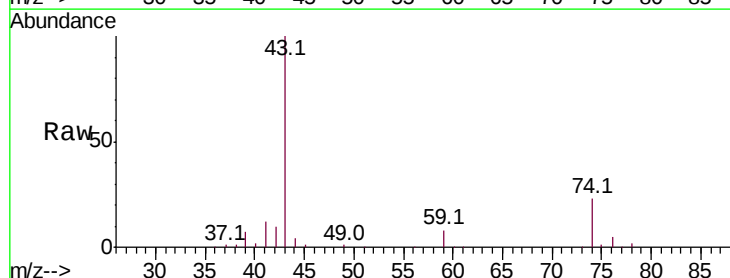
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

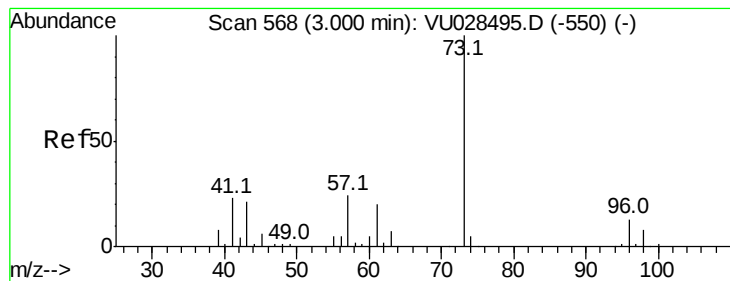
Tot Ion: 76 Resp: 210531
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 45.250 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 43 Resp: 131429
Ion Ratio Lower Upper
43 100
74 23.4 16.4 24.6



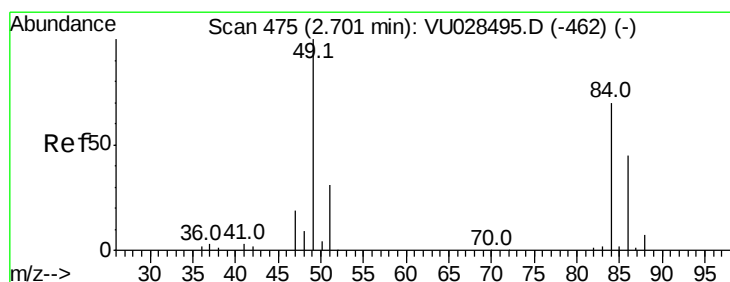
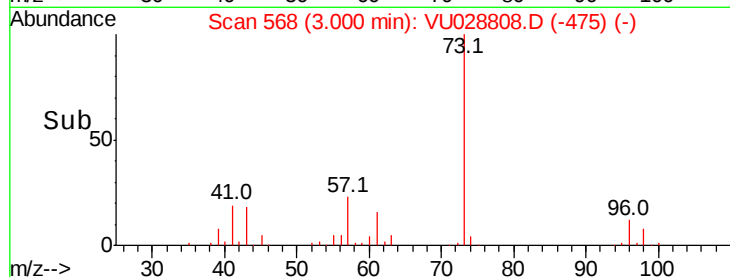
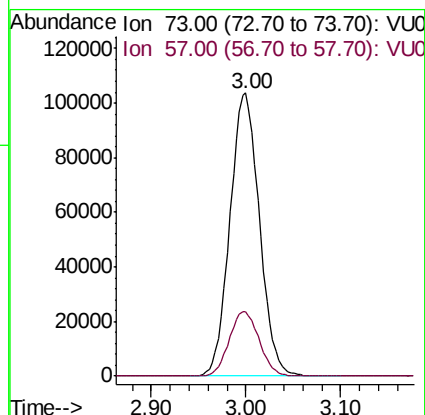
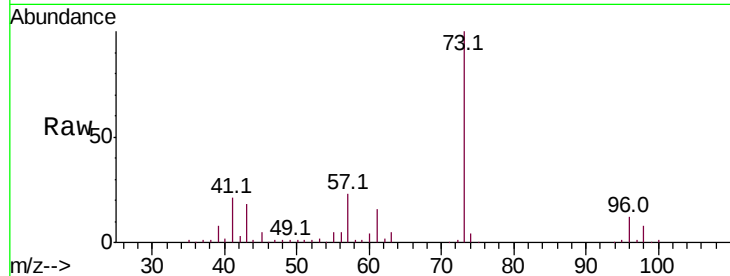


#19

Methyl tert-butyl Ether
 Concen: 47.258 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

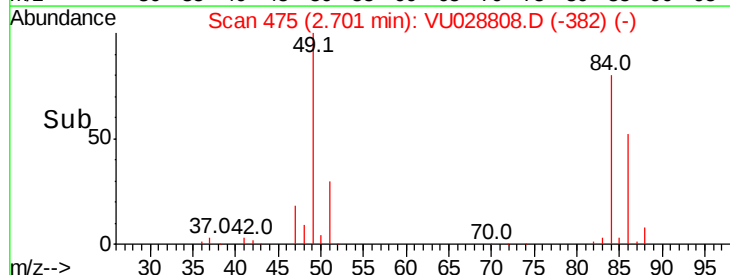
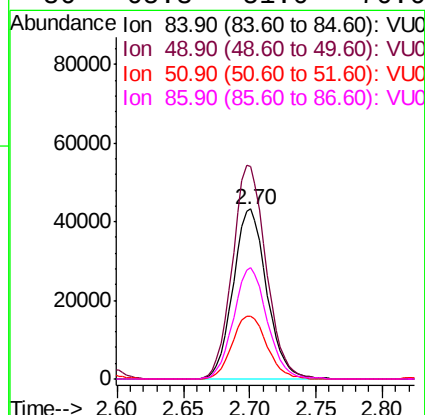
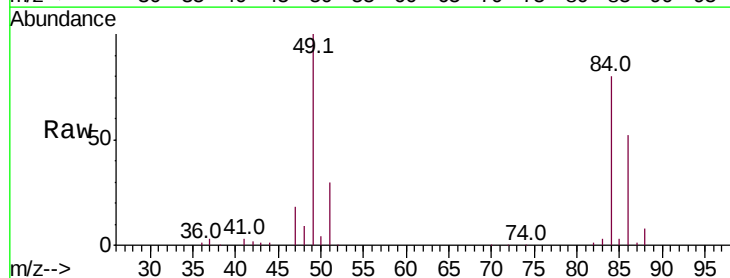
Tot Ion: 73 Resp: 224425
 Ion Ratio Lower Upper
 73 100
 57 22.9 19.4 29.2

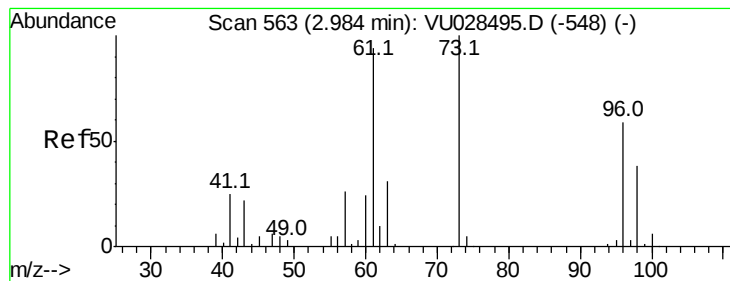


#20

Methylene Chloride
 Concen: 46.053 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 84 Resp: 76066
 Ion Ratio Lower Upper
 84 100
 49 124.8 114.0 171.0
 51 37.2 35.1 52.7
 86 65.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.815 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

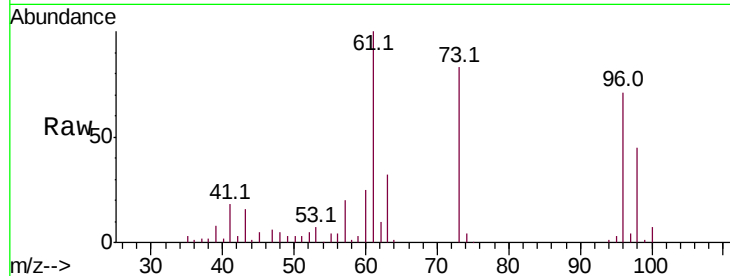
Tot Ion: 96 Resp: 71672

Ion Ratio Lower Upper

96 100

61 140.6 127.0 190.4

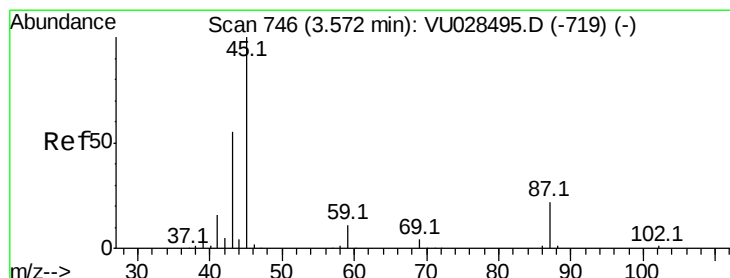
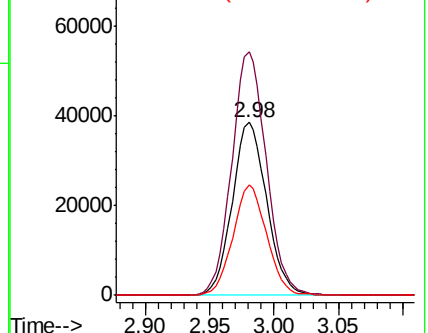
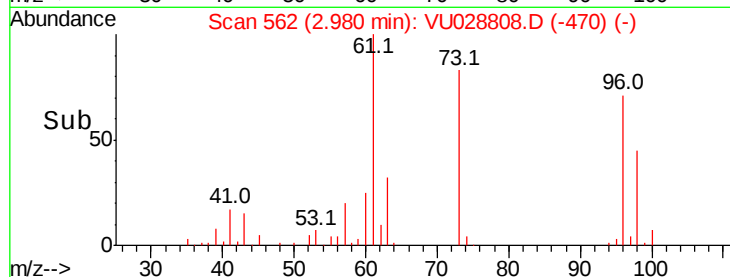
98 63.7 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 42.991 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Tgt Ion: 45 Resp: 247760

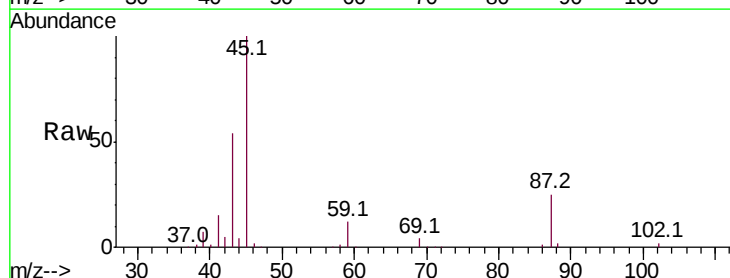
Ion Ratio Lower Upper

45 100

43 53.1 45.3 67.9

87 25.4 17.6 26.4

59 11.8 8.8 13.2

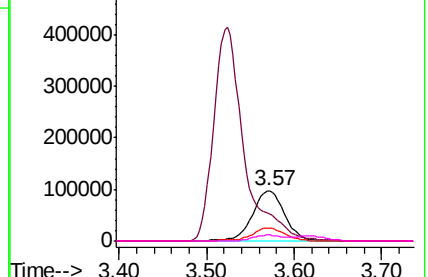
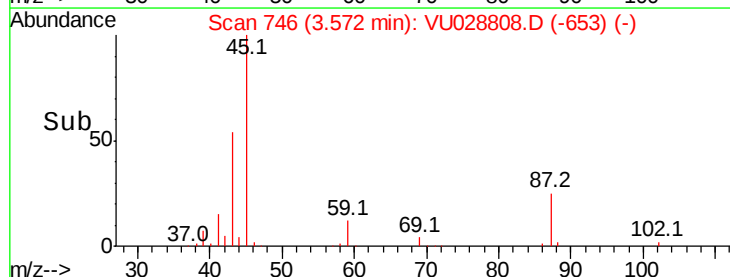


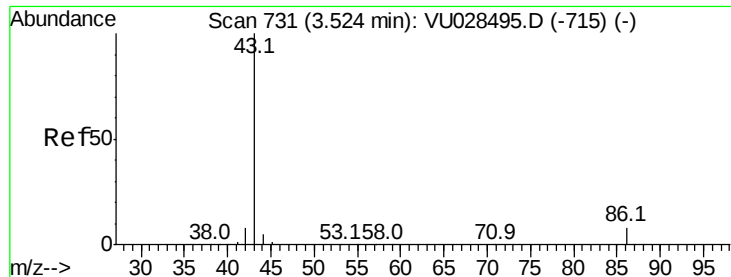
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 210.917 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

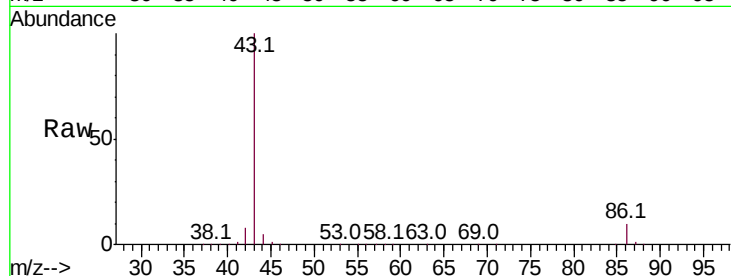
VSTDCCC050EC

Tot Ion: 43 Resp: 1002617

Ion Ratio Lower Upper

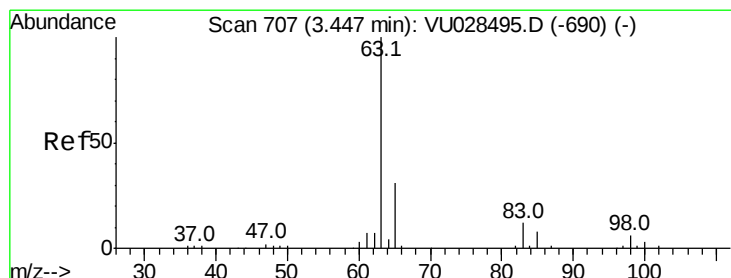
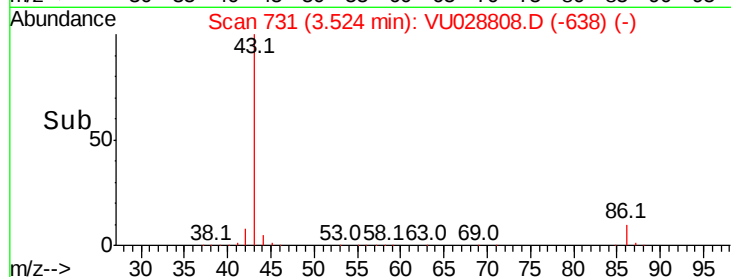
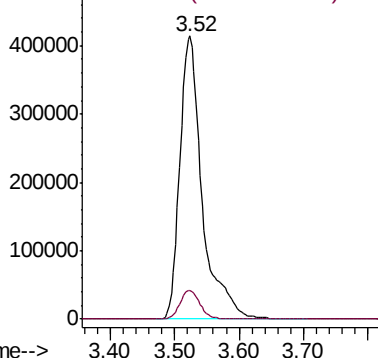
43 100

86 10.3 6.8 10.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 45.698 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

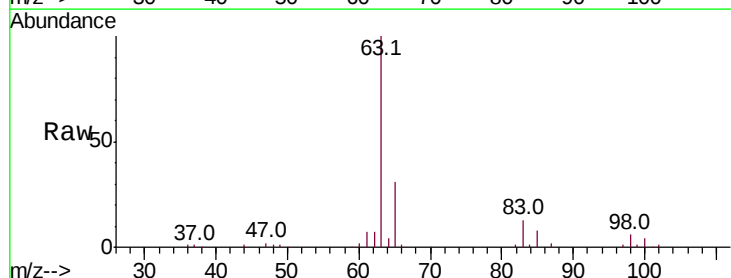
Tgt Ion: 63 Resp: 137857

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

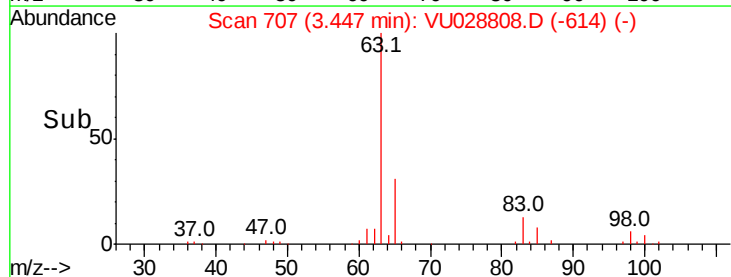
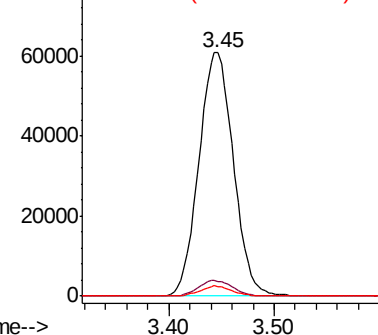
100 4.0 1.7 5.1

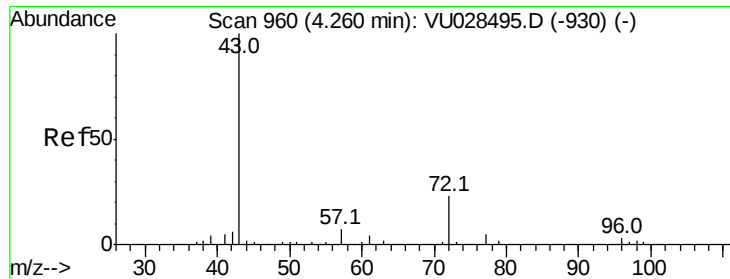


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 200.371 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

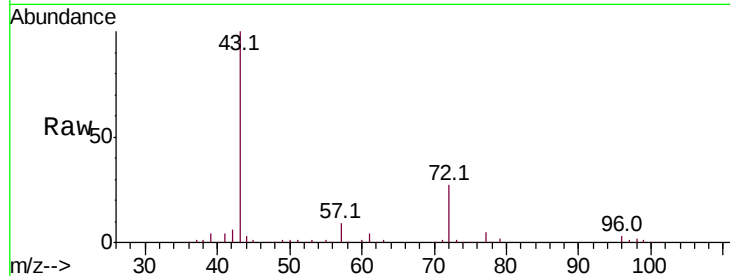
VSTDCCC050EC

Tot Ion: 43 Resp: 306811

Ion Ratio Lower Upper

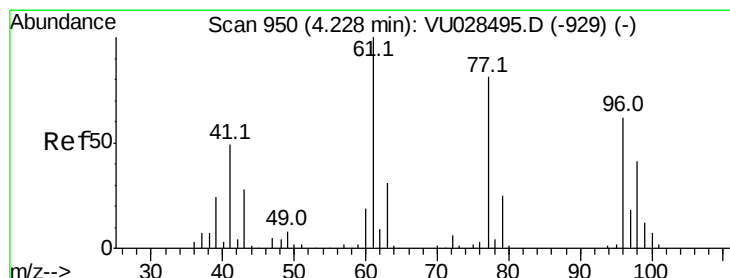
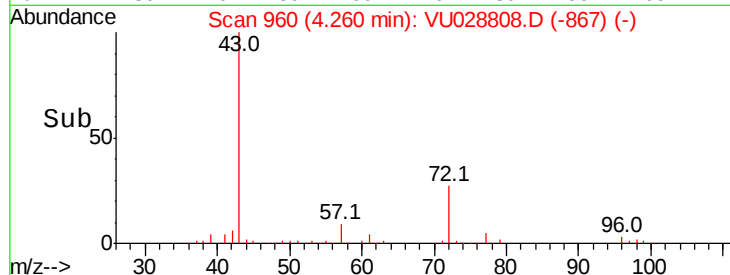
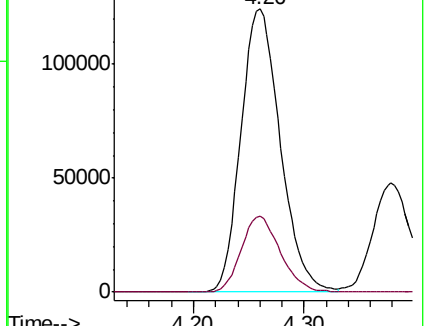
43 100

72 26.9 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 42.995 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028808.D

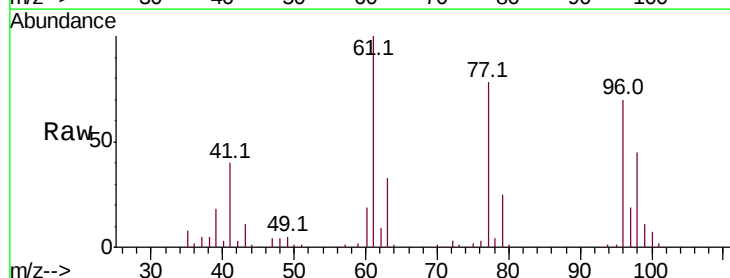
Acq: 19 Dec 2018 20:58

Tgt Ion: 77 Resp: 102773

Ion Ratio Lower Upper

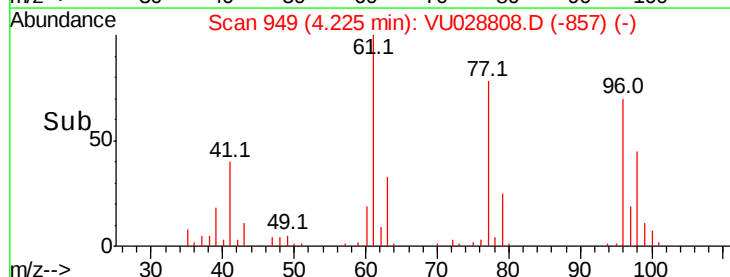
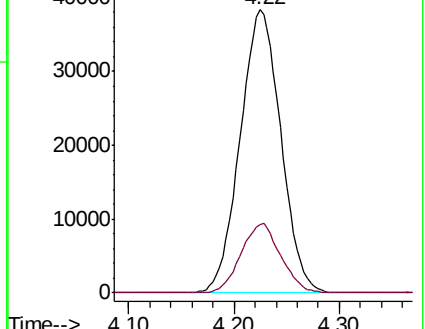
77 100

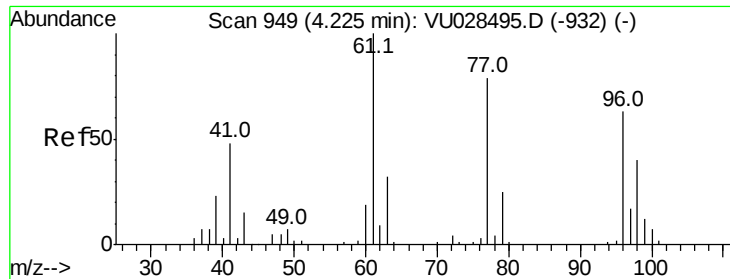
97 24.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



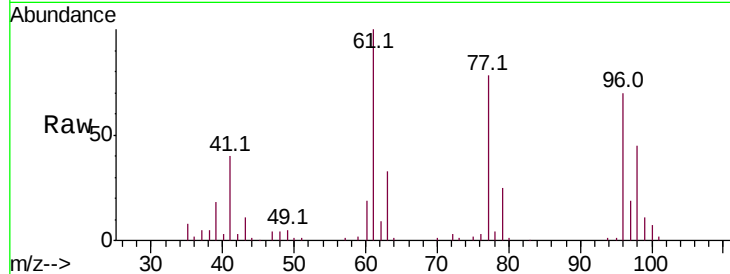


#27

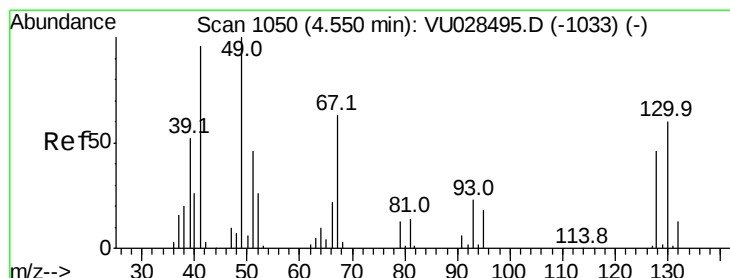
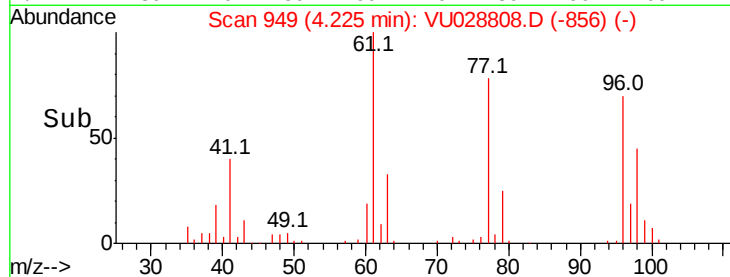
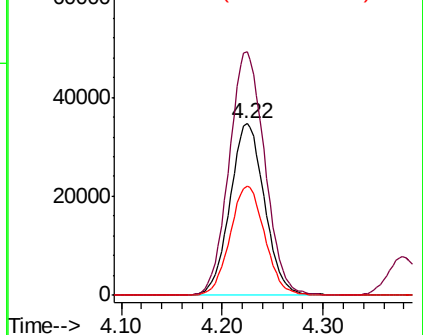
cis-1,2-Dichloroethene
 Concen: 51.821 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 82729
 Ion Ratio Lower Upper
 96 100
 61 146.3 0.0 332.4
 98 63.8 0.0 129.0



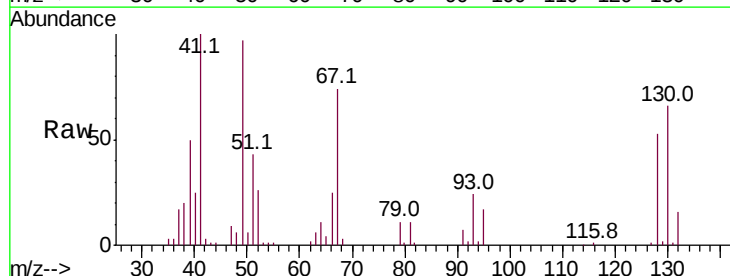
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



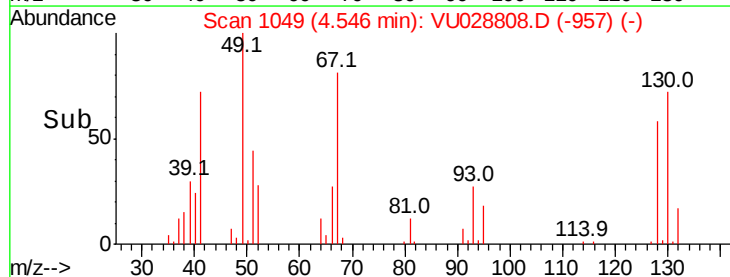
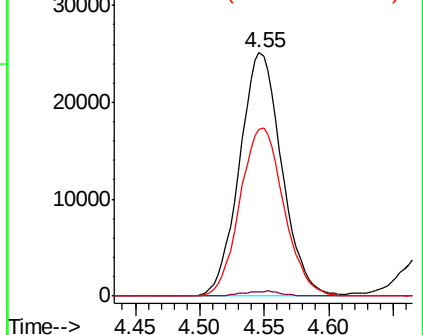
#28

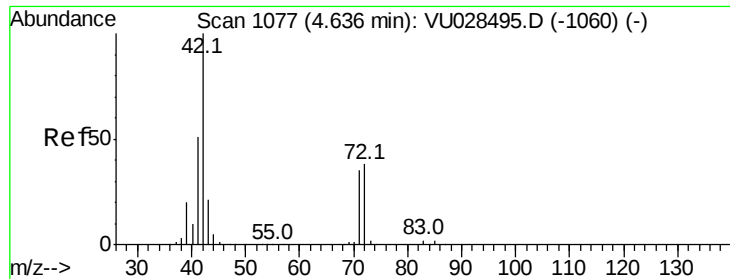
Bromochloromethane
 Concen: 41.799 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 49 Resp: 57323
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.0
 130 71.7 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 211.684 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

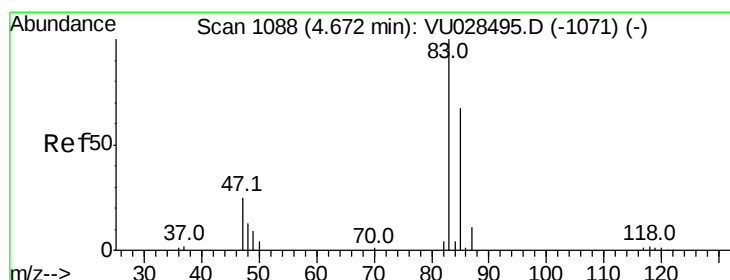
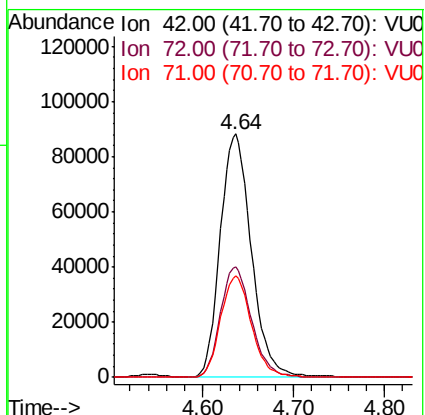
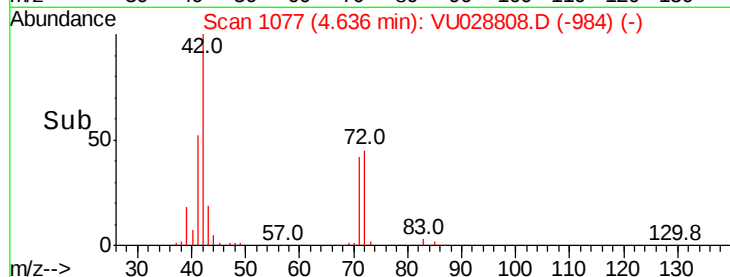
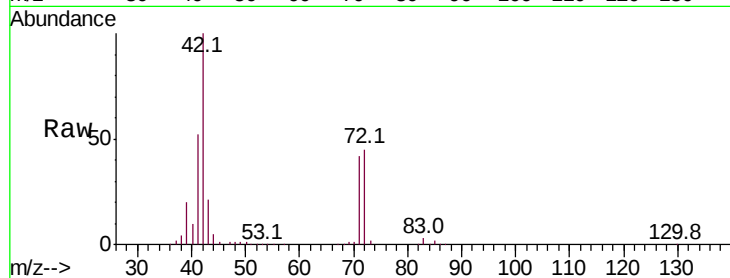
Tot Ion: 42 Resp: 208171

Ion Ratio Lower Upper

42 100

72 45.7 31.4 47.0

71 41.6 28.6 43.0



#30

Chloroform

Concen: 48.192 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028808.D

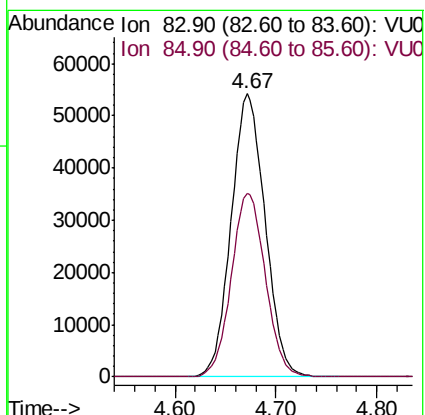
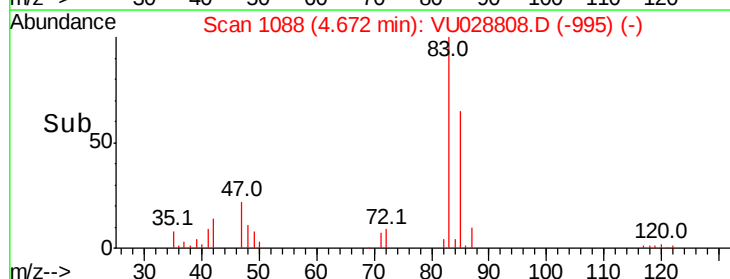
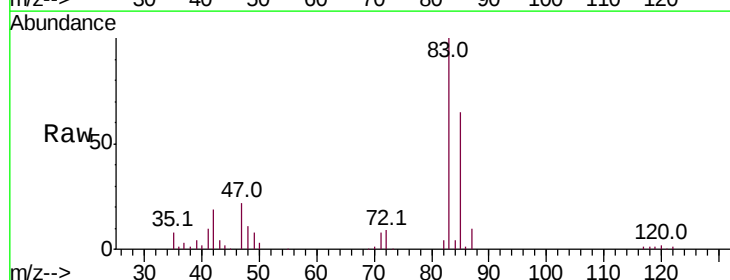
Acq: 19 Dec 2018 20:58

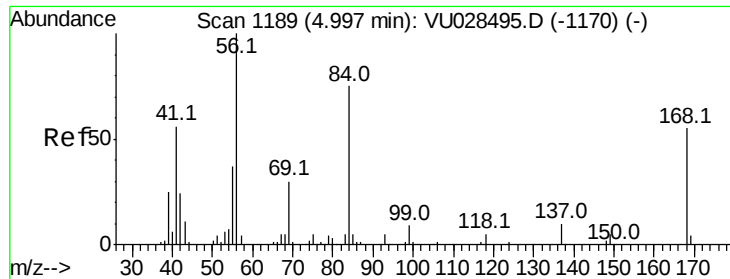
Tgt Ion: 83 Resp: 126710

Ion Ratio Lower Upper

83 100

85 64.9 53.6 80.4

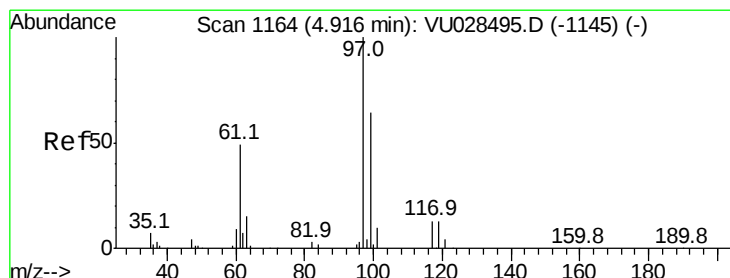
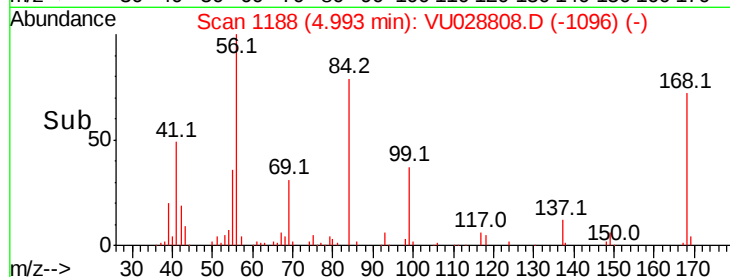
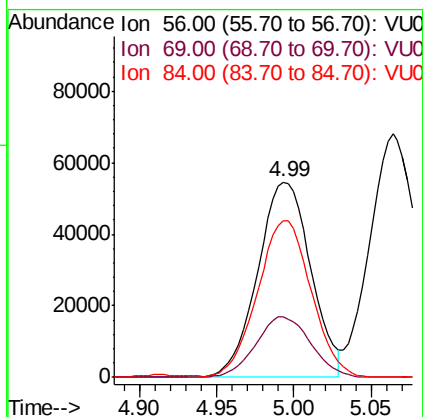
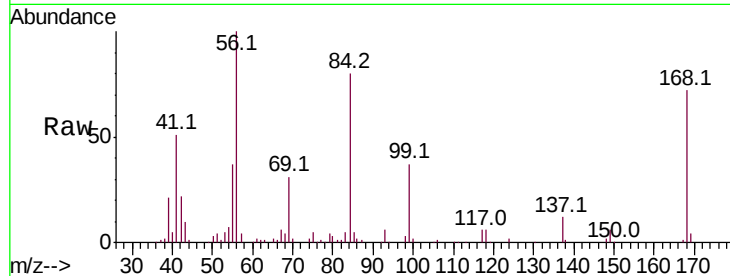




#31
Cyclohexane
Concen: 44.118 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

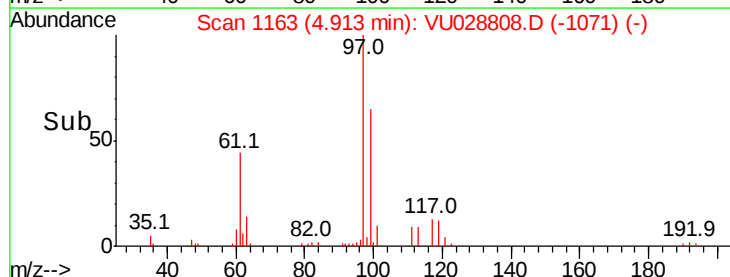
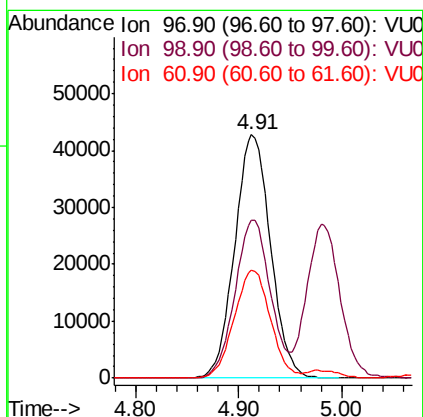
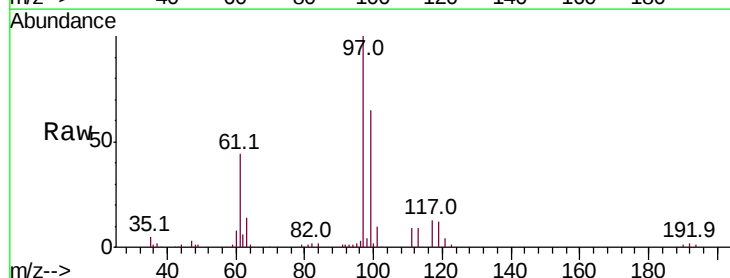
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

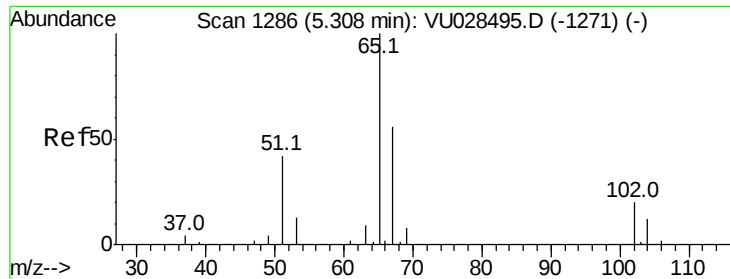
Tot Ion: 56 Resp: 130293
Ion Ratio Lower Upper
56 100
69 30.8 24.0 36.0
84 79.3 59.7 89.5



#32
1,1,1-Trichloroethane
Concen: 47.282 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 97 Resp: 103248
Ion Ratio Lower Upper
97 100
99 64.0 52.3 78.5
61 44.9 39.0 58.6

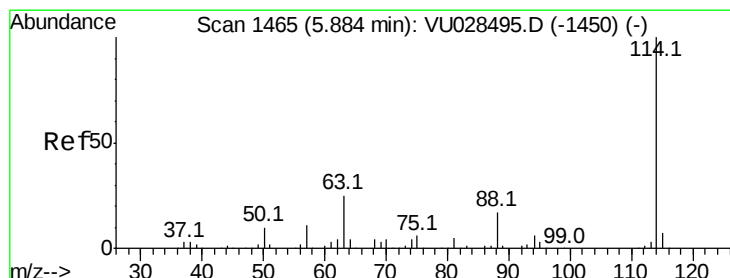
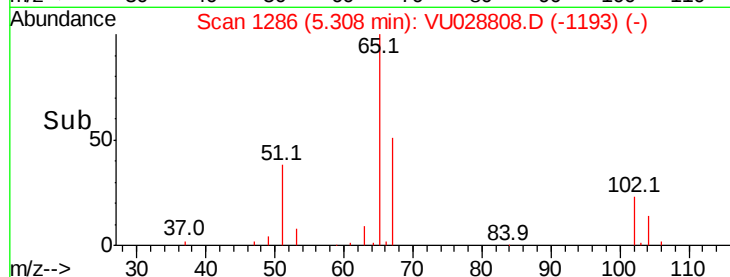
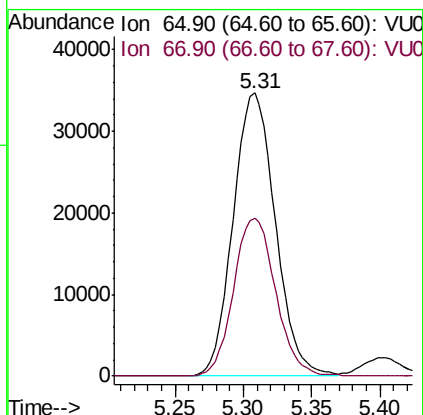
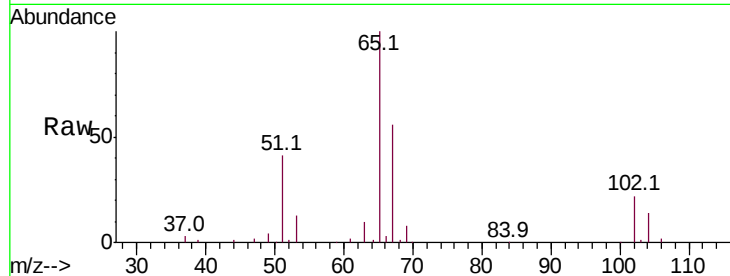




#33
 1,2-Dichloroethane-d4
 Concen: 43.477 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

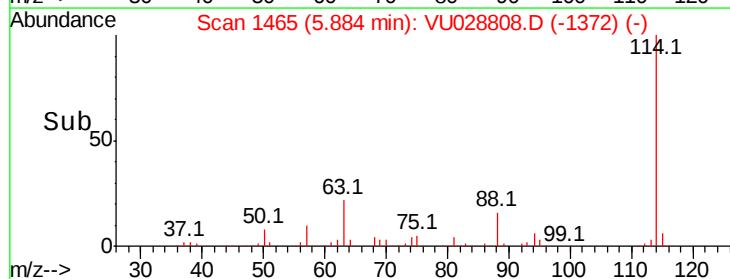
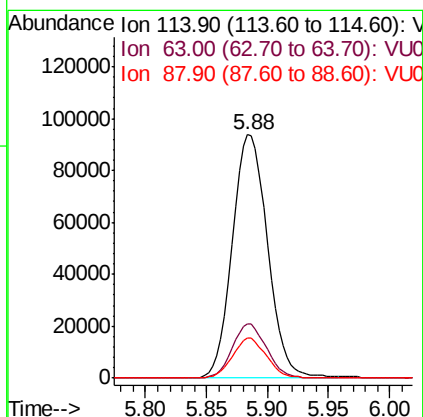
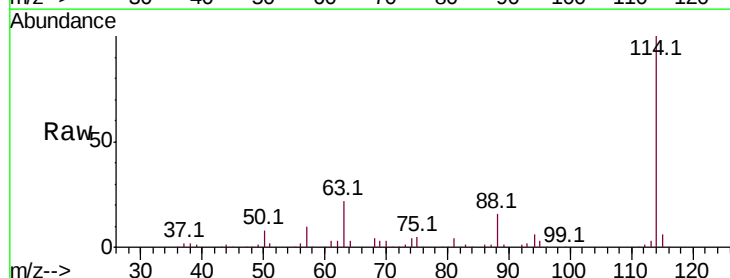
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

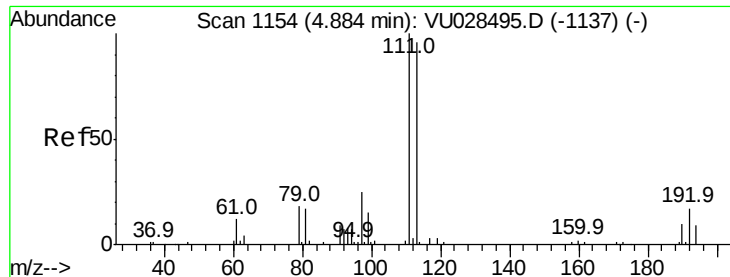
Tot Ion: 65 Resp: 74653
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 114 Resp: 188056
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 49.2
 88 16.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.307 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

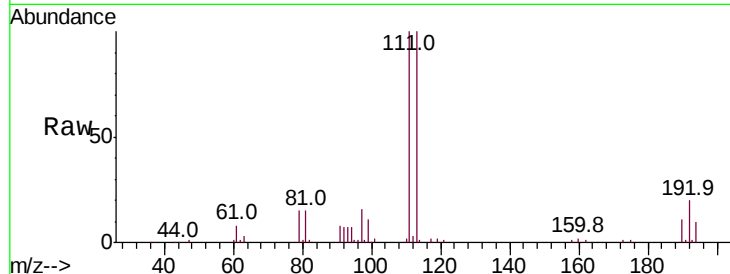
Tot Ion:113 Resp: 61903

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.0

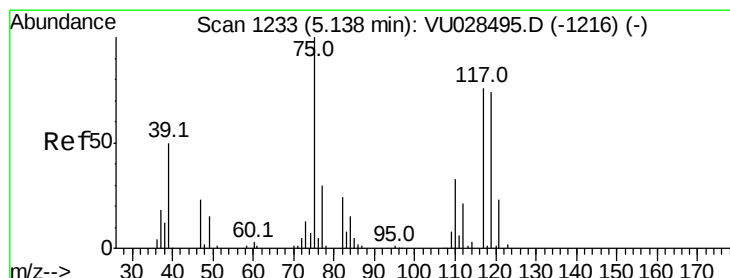
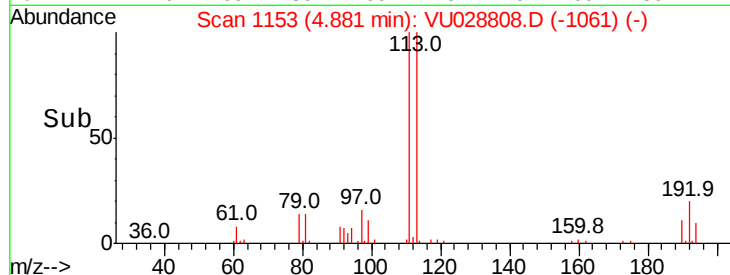
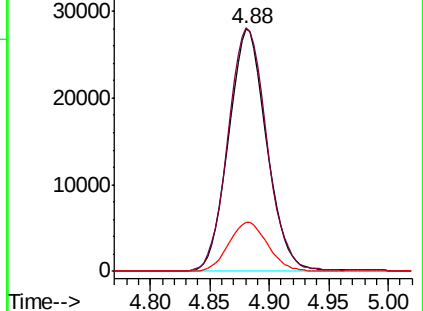
192 20.7 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.470 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

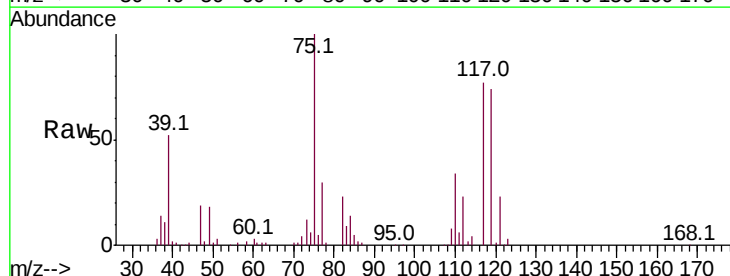
Tgt Ion: 75 Resp: 99745

Ion Ratio Lower Upper

75 100

110 35.2 16.1 48.2

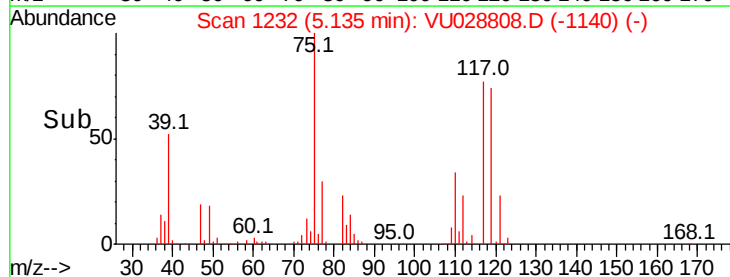
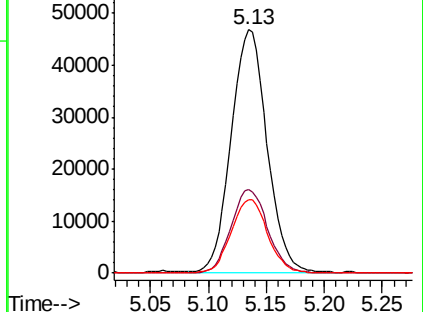
77 31.0 24.5 36.7

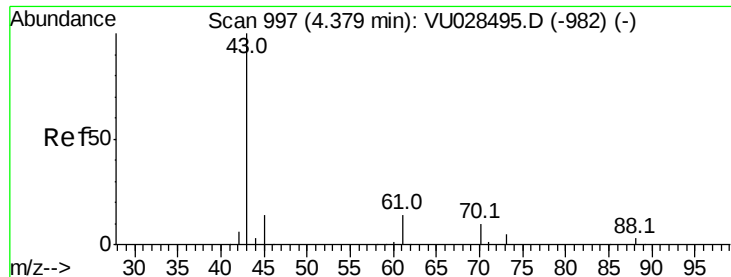


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

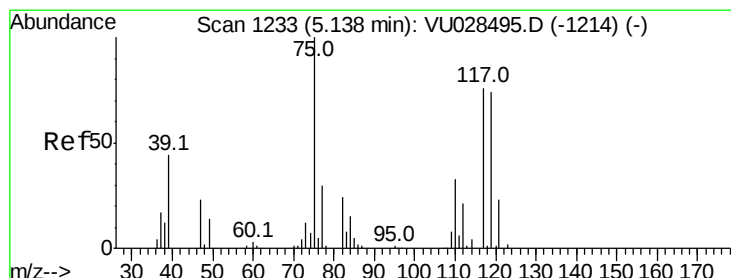
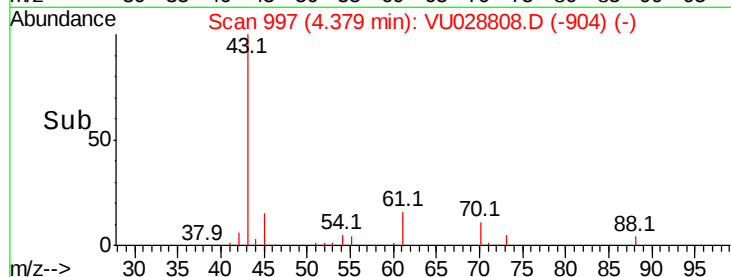
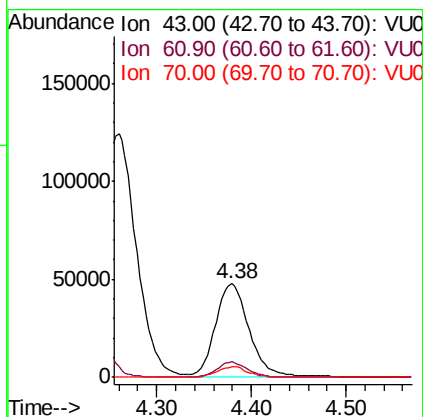
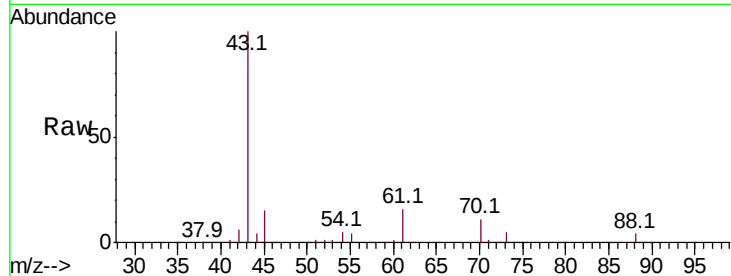




#37
Ethyl Acetate
Concen: 44.037 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

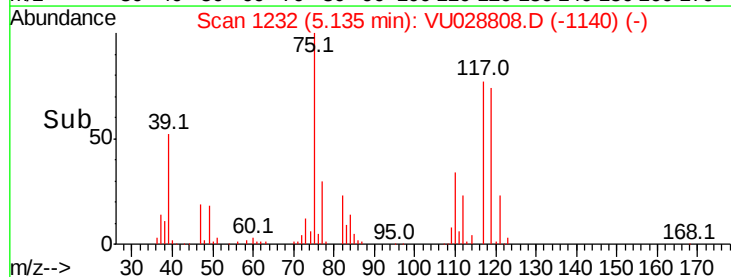
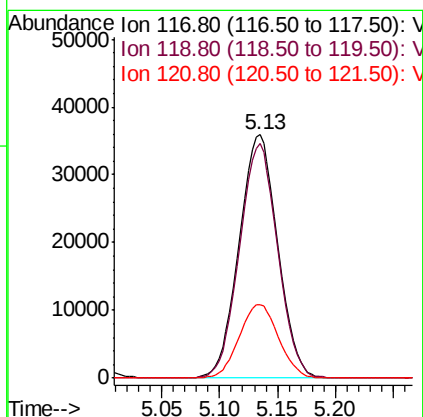
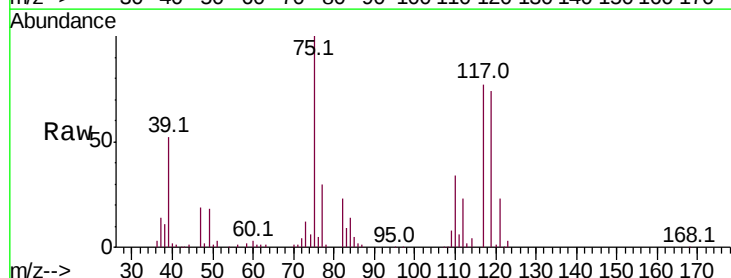
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

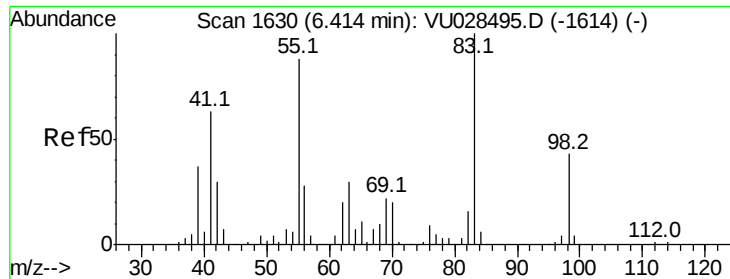
Tot Ion: 43 Resp: 117148
Ion Ratio Lower Upper
43 100
61 15.5 11.0 16.4
70 10.7 7.4 11.0



#38
Carbon Tetrachloride
Concen: 50.167 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 117 Resp: 83210
Ion Ratio Lower Upper
117 100
119 96.1 77.6 116.4
121 30.4 24.6 36.8

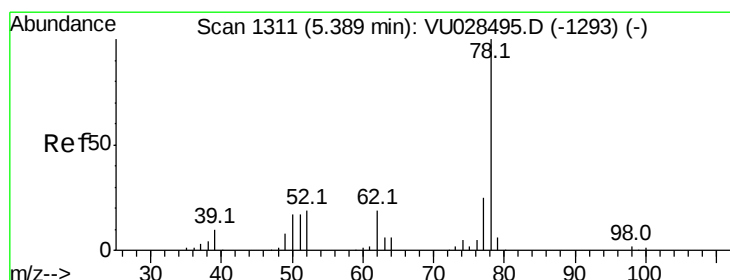
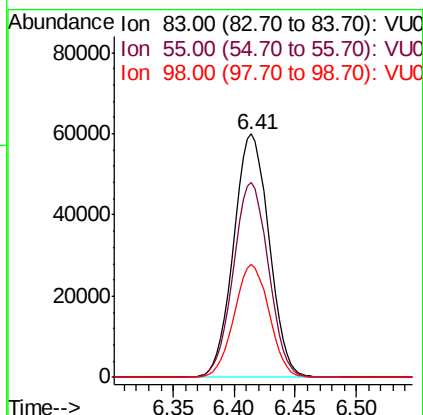
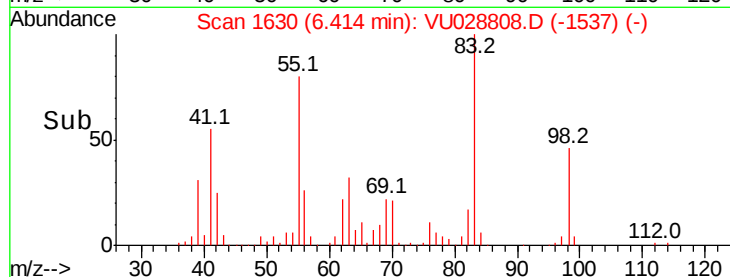
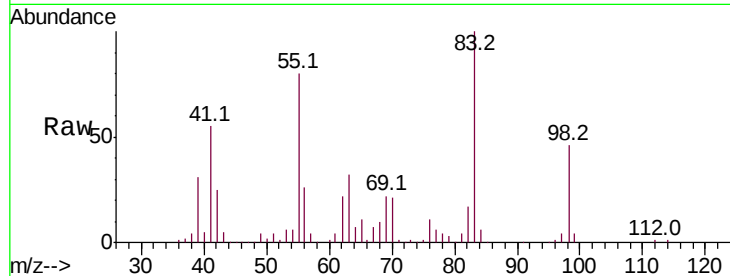




#39
Methvlcvclohexane
Concen: 48.144 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

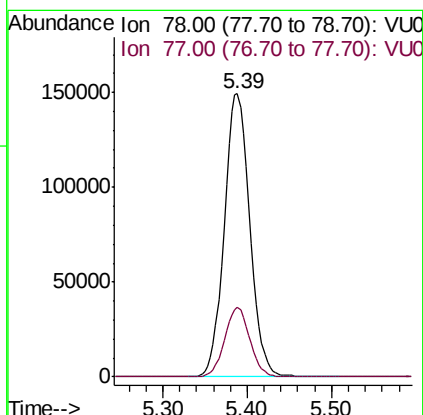
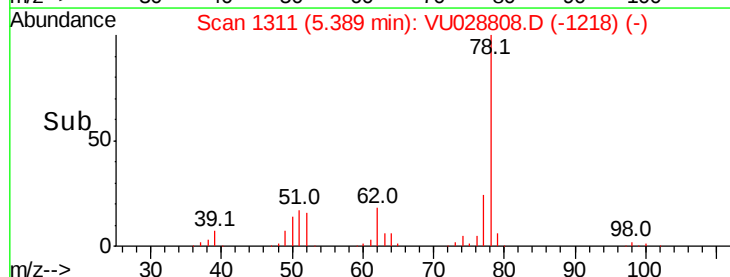
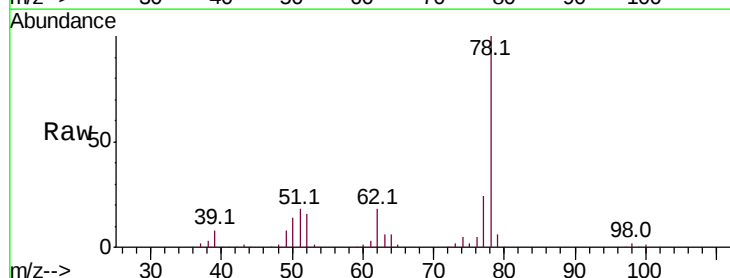
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

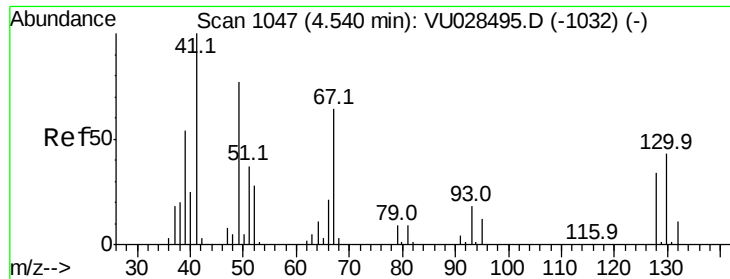
Tot Ion: 83 Resp: 120870
Ion Ratio Lower Upper
83 100
55 79.9 70.2 105.2
98 46.3 34.2 51.4



#40
Benzene
Concen: 51.797 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 78 Resp: 313937
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9





#41

Methacrylonitrile

Concen: 44.788 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 65250

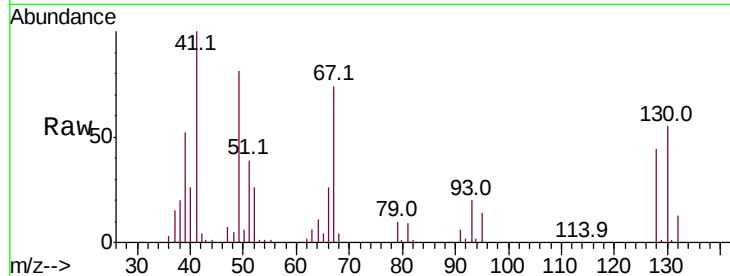
Ion Ratio Lower Upper

41 100

39 50.0 43.3 64.9

67 76.0 53.6 80.4

52 28.4 22.1 33.1

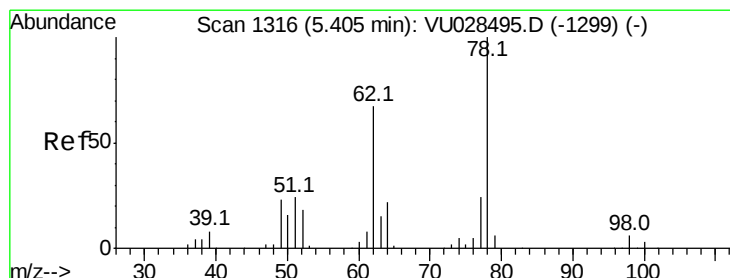
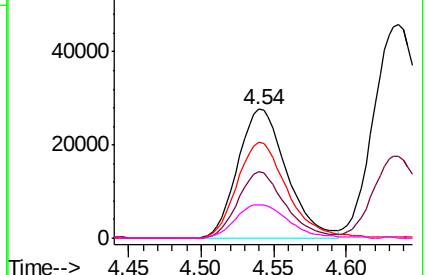
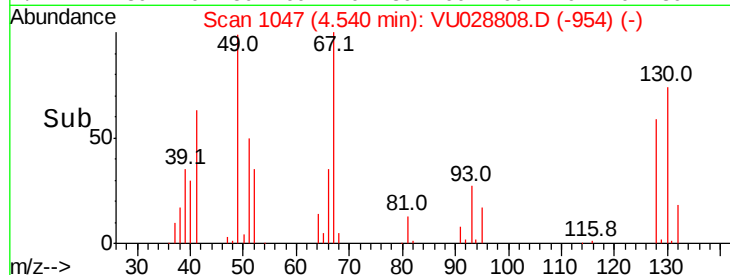


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 46.515 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028808.D

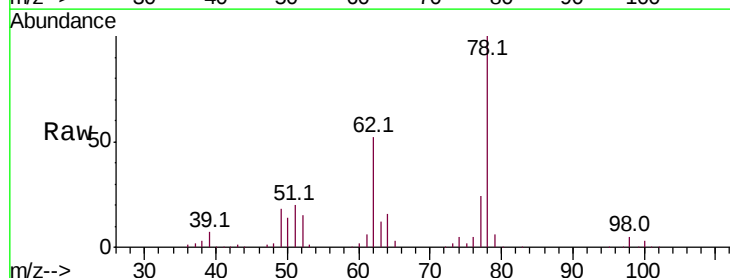
Acq: 19 Dec 2018 20:58

Tgt Ion: 62 Resp: 98683

Ion Ratio Lower Upper

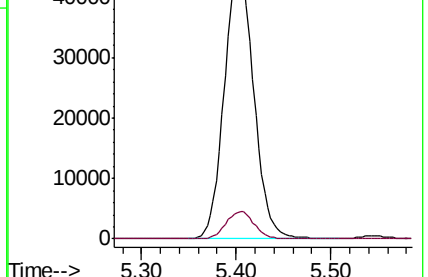
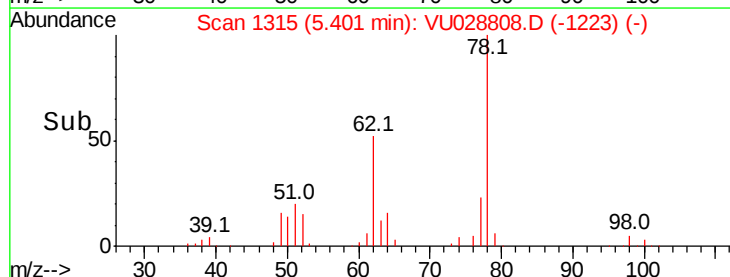
62 100

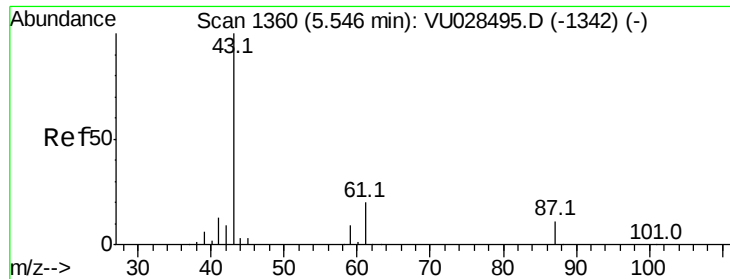
98 9.6 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 43.827 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

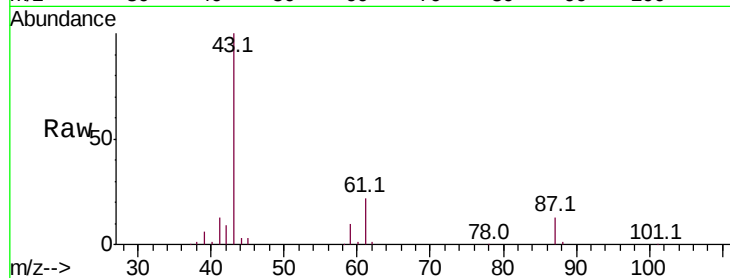
Tot Ion: 43 Resp: 184410

Ion Ratio Lower Upper

43 100

61 21.6 15.5 23.3

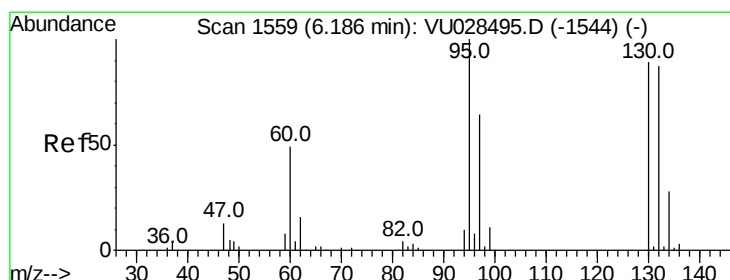
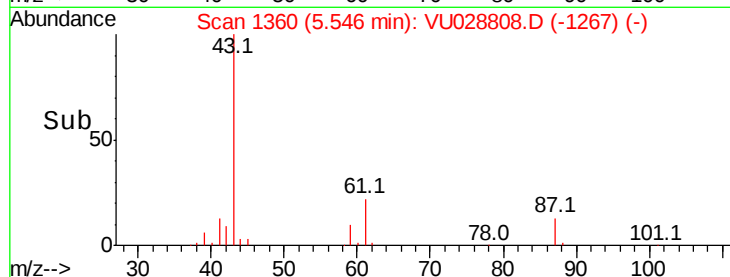
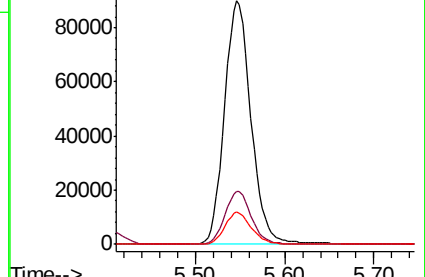
87 13.2 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU028808.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028808.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028808.D (-1267) (-)



#44

Trichloroethene

Concen: 58.000 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028808.D

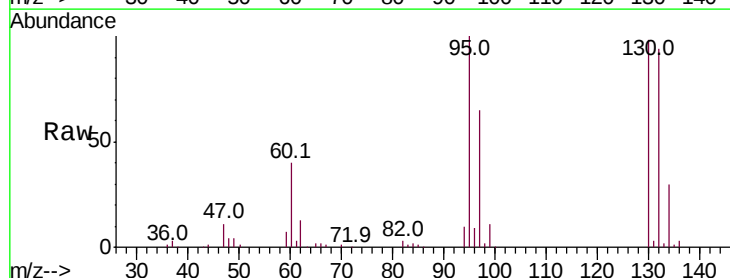
Acq: 19 Dec 2018 20:58

Tgt Ion:130 Resp: 78162

Ion Ratio Lower Upper

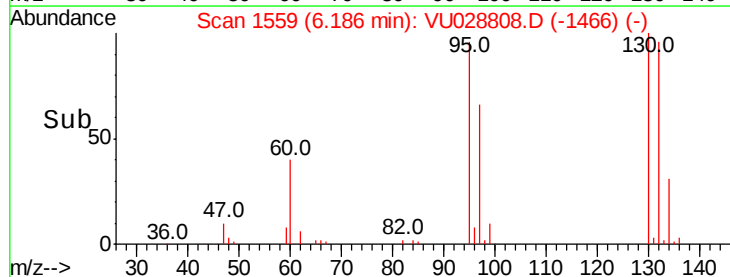
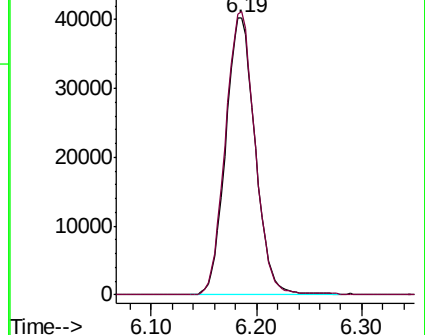
130 100

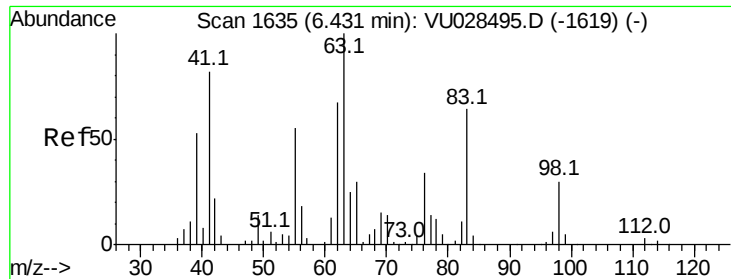
95 102.0 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028808.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU028808.D (-1466) (-)





#45

1,2-Dichloropropane

Concen: 50.677 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

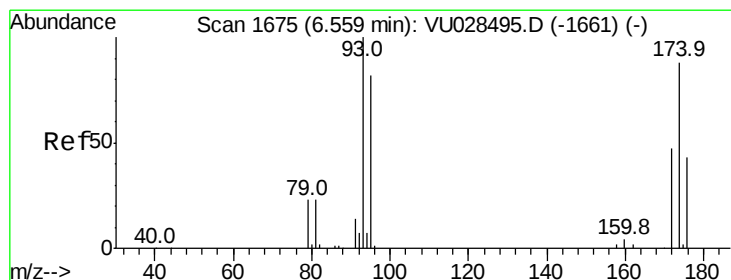
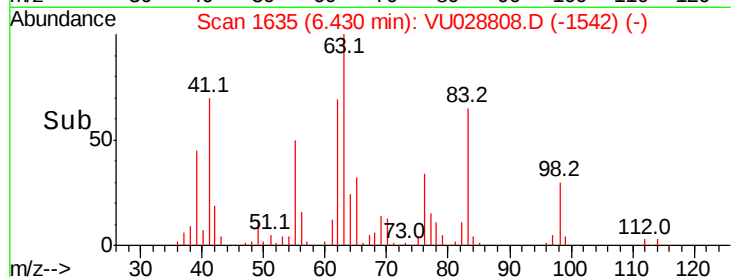
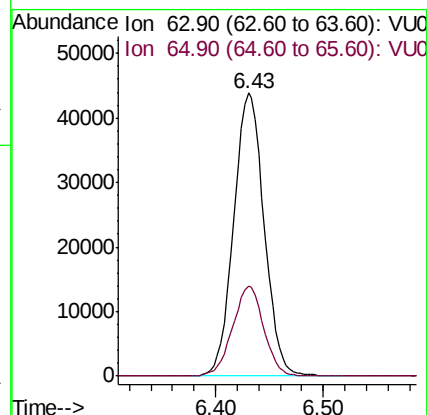
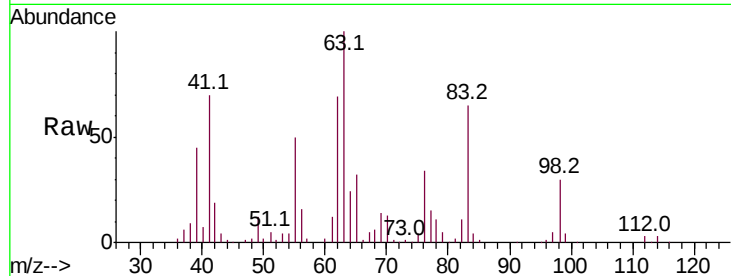
VSTDCCC050EC

Tot Ion: 63 Resp: 86373

Ion Ratio Lower Upper

63 100

65 31.9 24.2 36.4



#46

Dibromomethane

Concen: 51.856 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

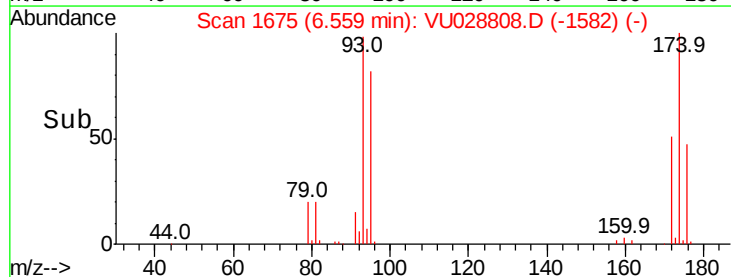
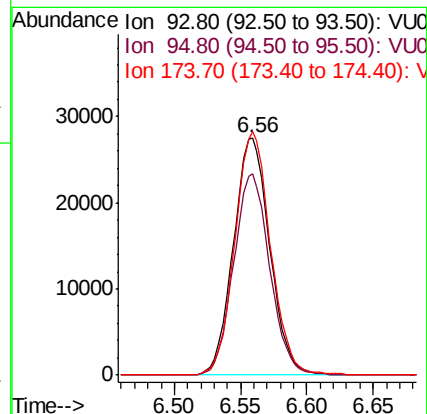
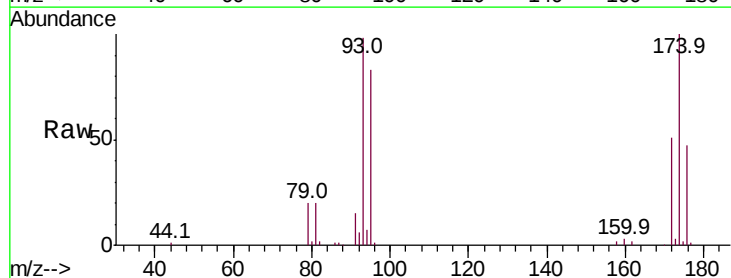
Tgt Ion: 93 Resp: 52440

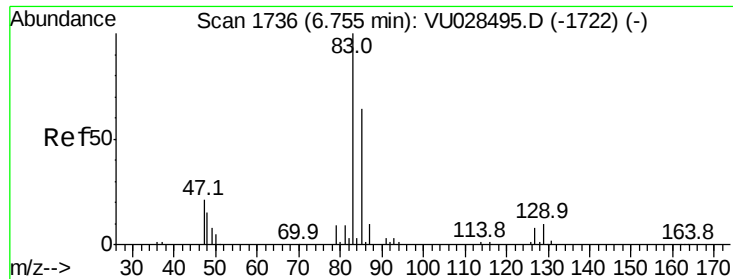
Ion Ratio Lower Upper

93 100

95 84.5 65.4 98.2

174 100.8 72.2 108.4





#47

Bromodichloromethane

Concen: 49.860 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

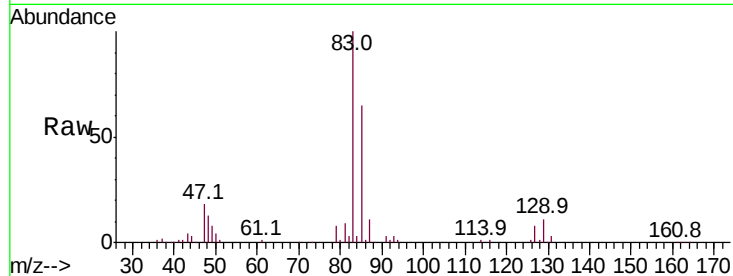
Tot Ion: 83 Resp: 98116

Ion Ratio Lower Upper

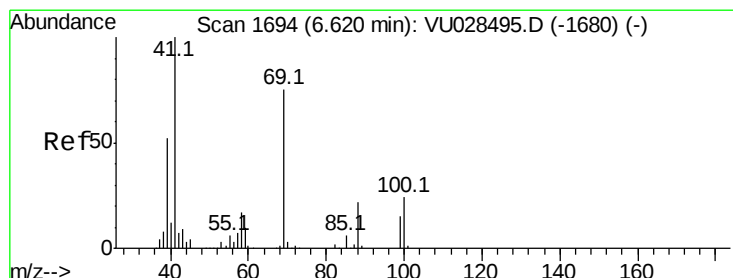
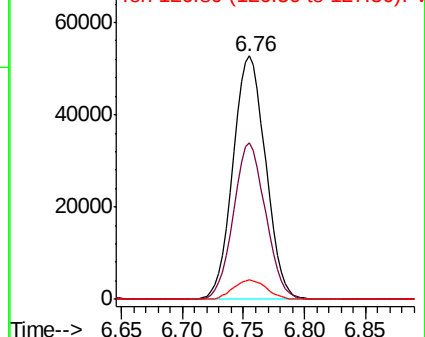
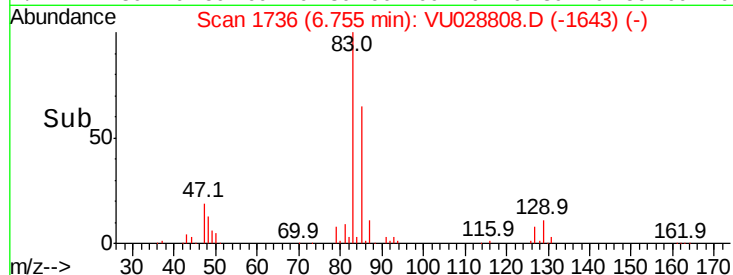
83 100

85 64.6 51.5 77.3

127 7.9 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU028808.D (-1643) (-)



#48

Methyl methacrylate

Concen: 44.467 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

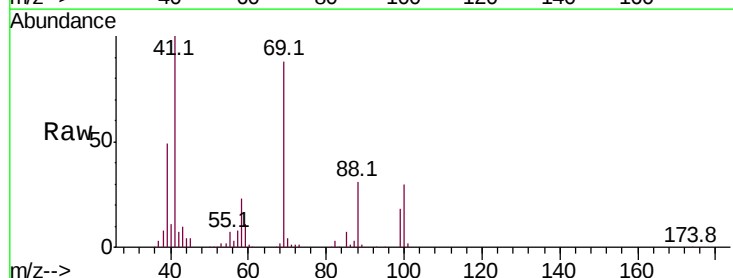
Tgt Ion: 41 Resp: 93046

Ion Ratio Lower Upper

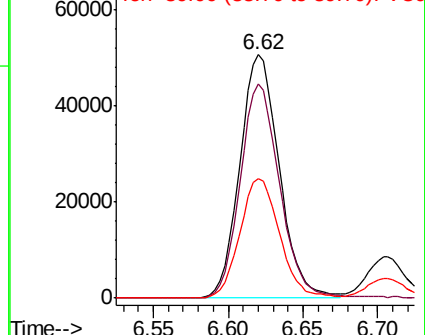
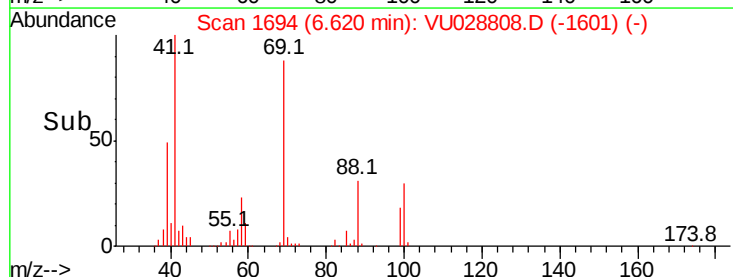
41 100

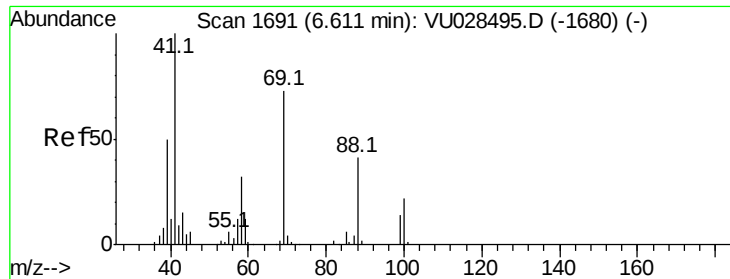
69 88.3 60.4 90.6

39 49.4 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VU028808.D (-1601) (-)

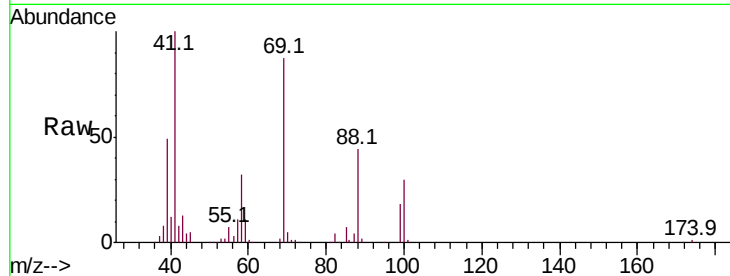




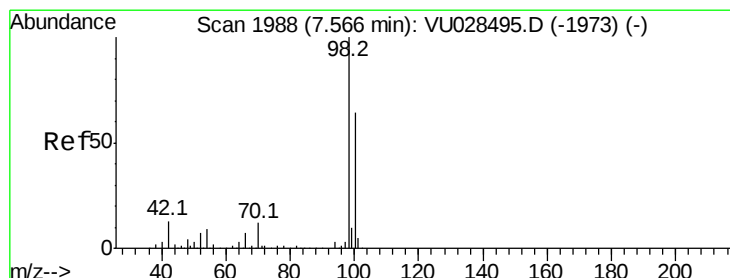
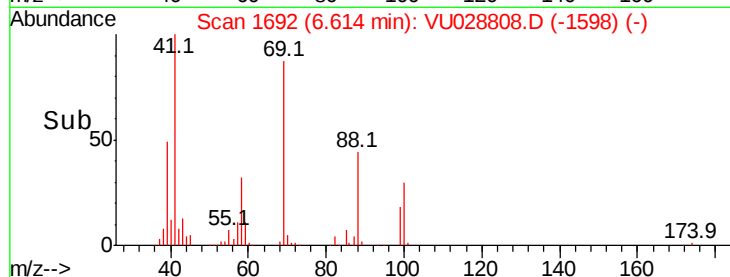
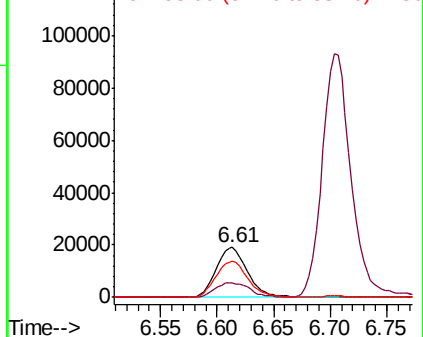
#49
1,4-Dioxane
Concen: 1116.568 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 36891
Ion Ratio Lower Upper
88 100
43 32.1 30.9 46.3
58 73.4 62.4 93.6

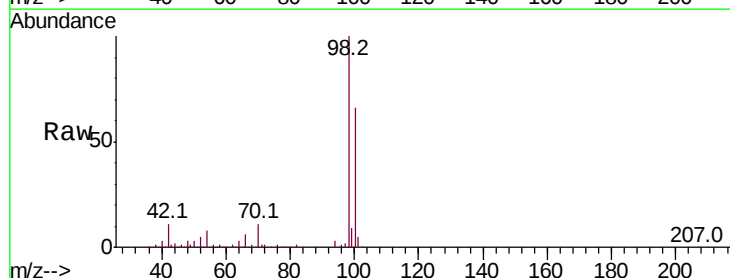


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

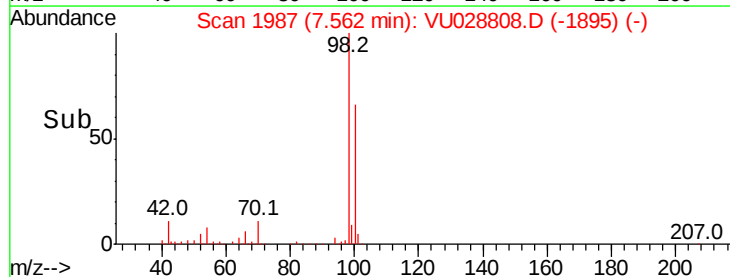
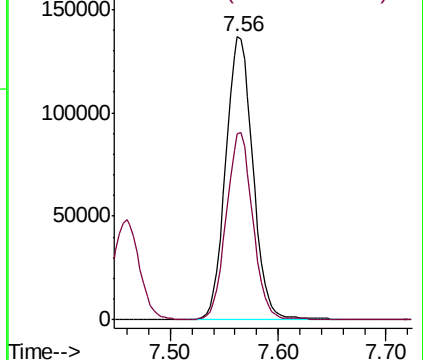


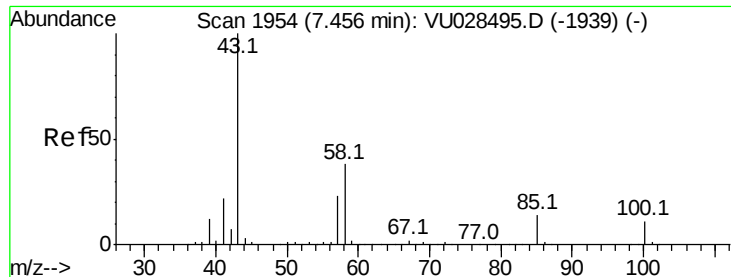
#50
Toluene-d8
Concen: 51.511 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 98 Resp: 241148
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 223.041 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

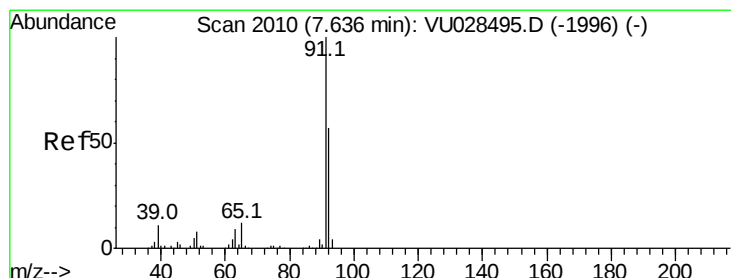
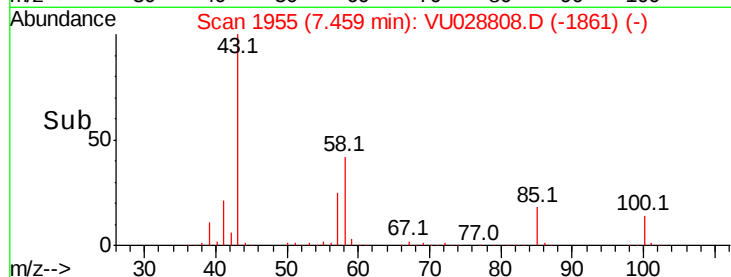
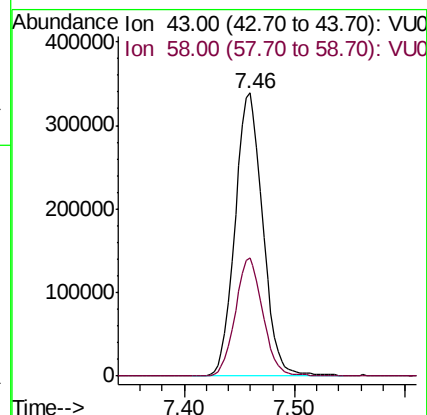
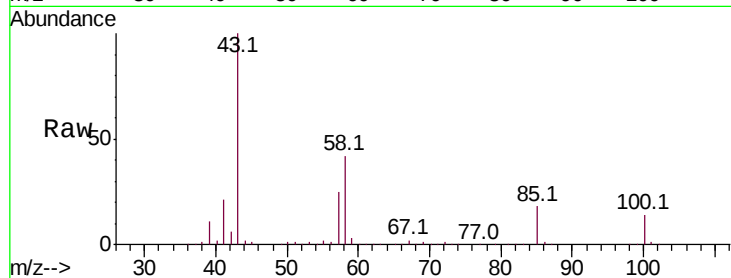
VSTDCCC050EC

Tot Ion: 43 Resp: 591910

Ion Ratio Lower Upper

43 100

58 41.3 30.2 45.2



#52

Toluene

Concen: 52.948 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028808.D

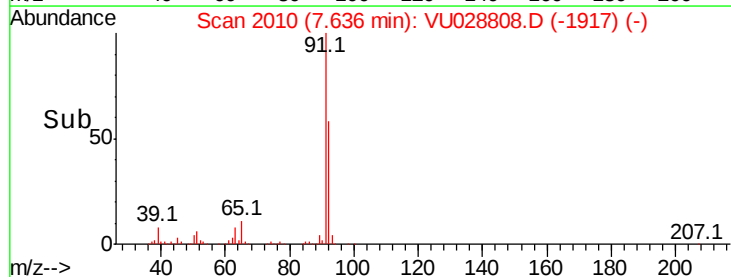
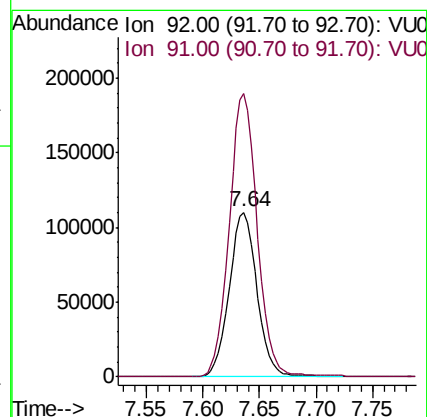
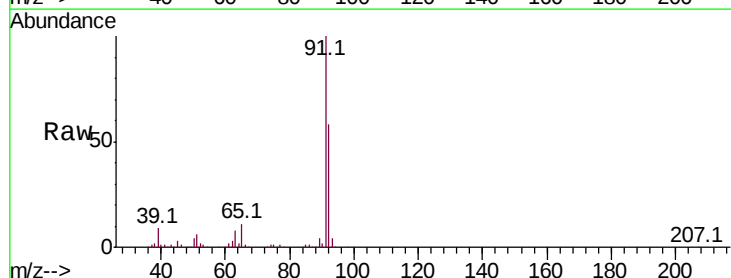
Acq: 19 Dec 2018 20:58

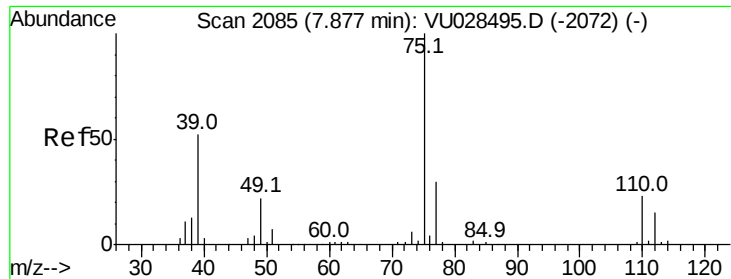
Tgt Ion: 92 Resp: 188863

Ion Ratio Lower Upper

92 100

91 174.1 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 48.749 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

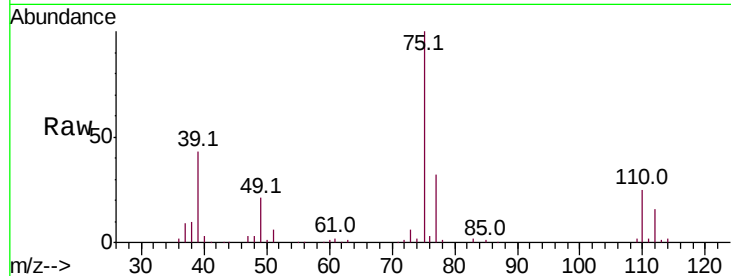
VSTDCCC050EC

Tot Ion: 75 Resp: 114252

Ion Ratio Lower Upper

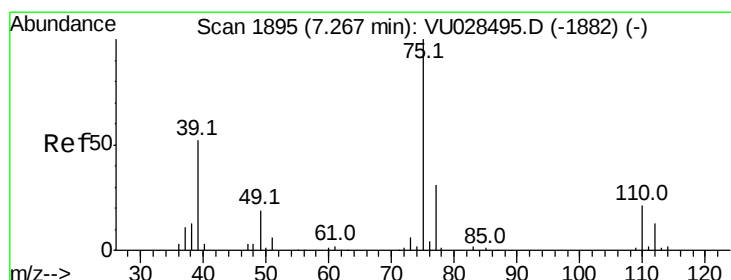
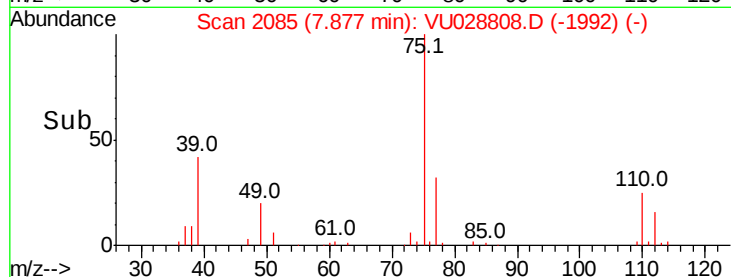
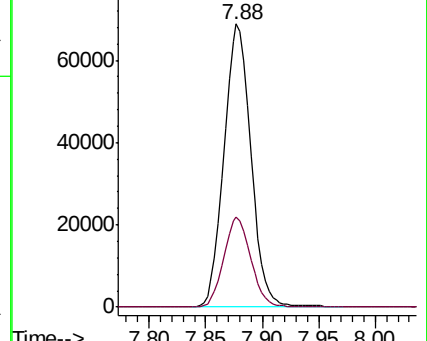
75 100

77 32.0 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 49.704 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

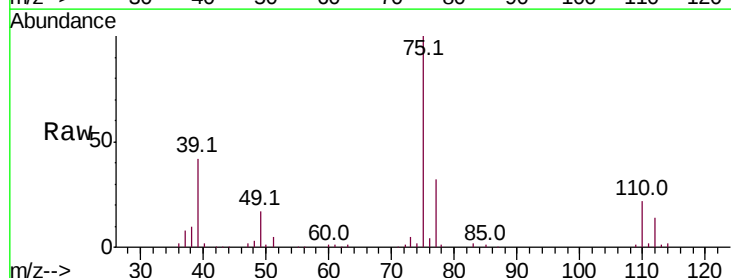
Tgt Ion: 75 Resp: 126382

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

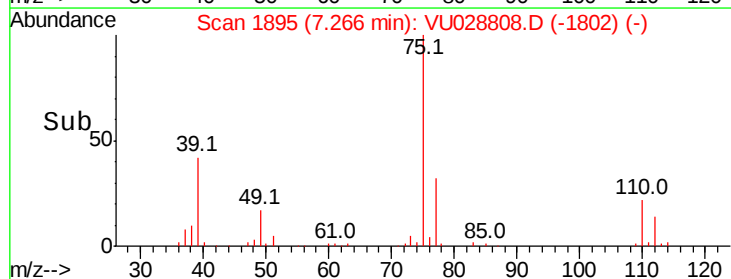
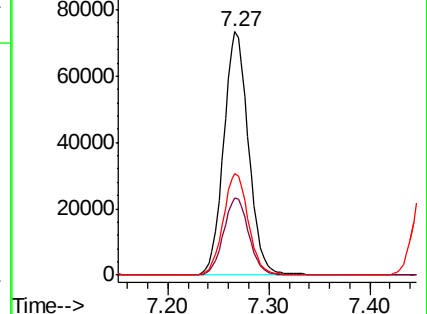
39 41.5 41.3 61.9

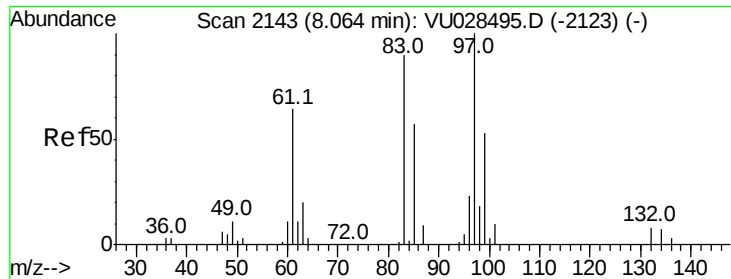


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

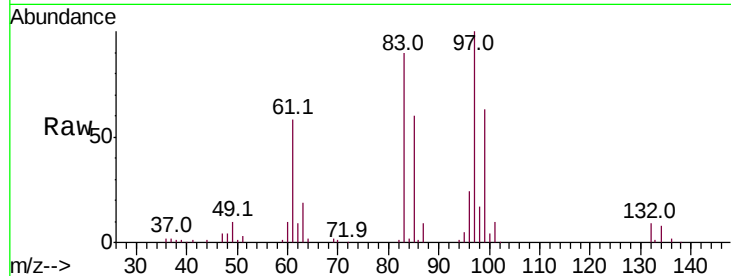




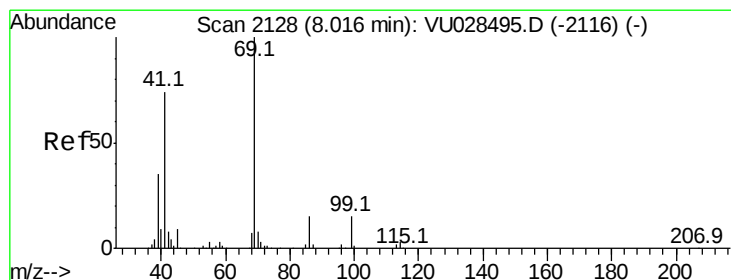
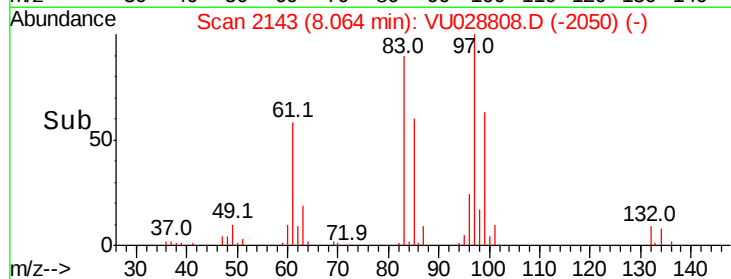
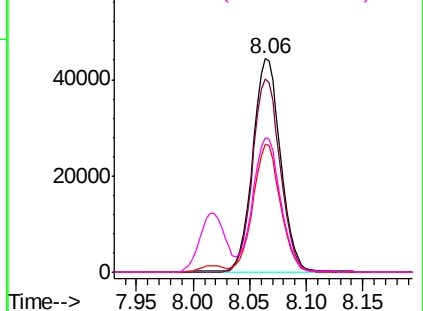
#55
 1,1,2-Trichloroethane
 Concen: 53.970 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	76097
Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.4	108.6
85	59.9	46.0	69.0
99	62.7	47.4	71.2

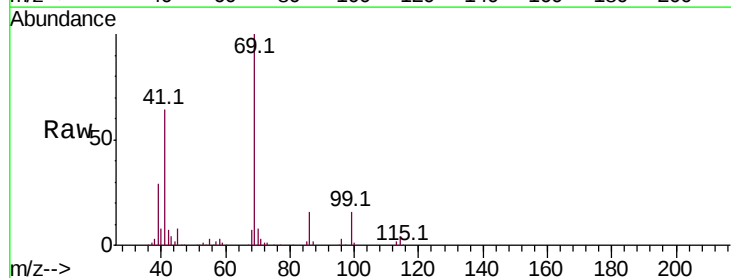


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

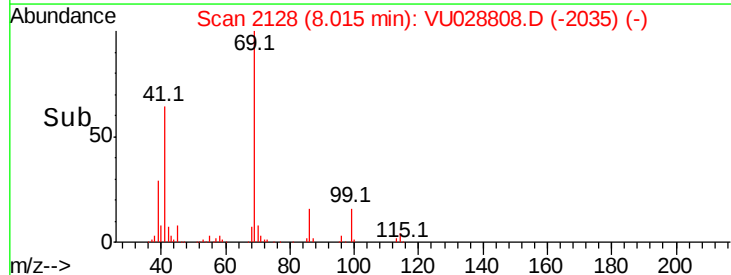
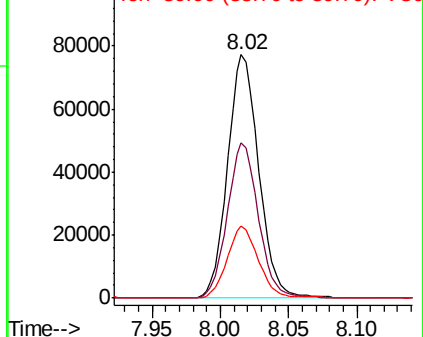


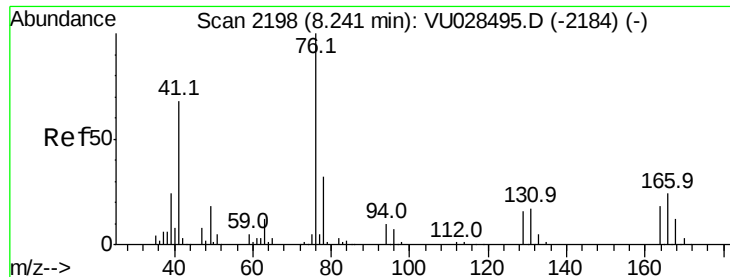
#56
 Ethyl methacrylate
 Concen: 50.946 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion:	69	Resp:	123011
Ion	Ratio	Lower	Upper
69	100		
41	63.4	59.1	88.7
39	29.9	28.4	42.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 50.637 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

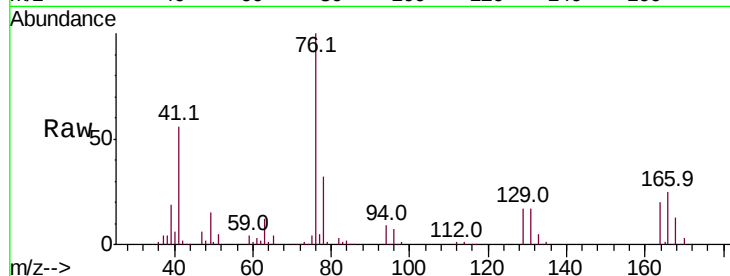
VSTDCCC050EC

Tot Ion: 76 Resp: 132536

Ion Ratio Lower Upper

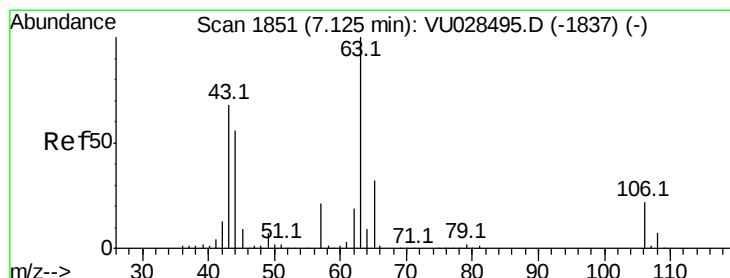
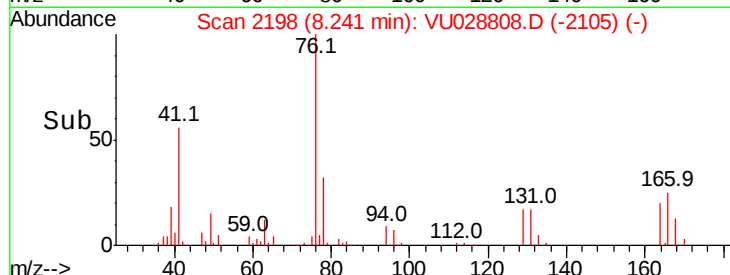
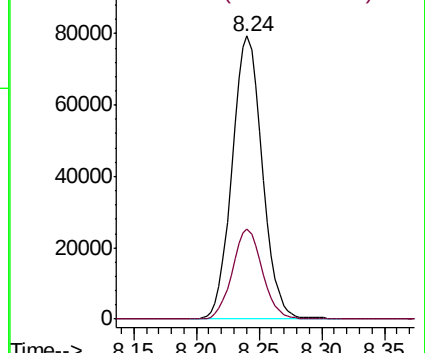
76 100

78 31.5 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 224.351 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028808.D

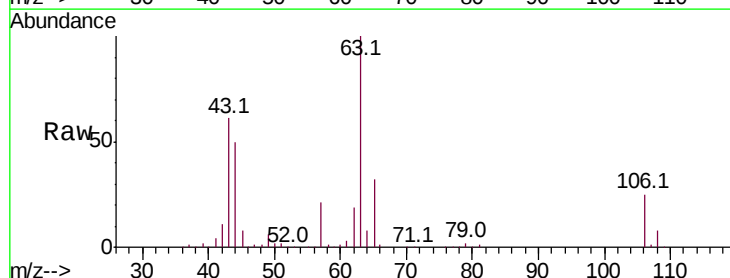
Acq: 19 Dec 2018 20:58

Tgt Ion: 63 Resp: 277462

Ion Ratio Lower Upper

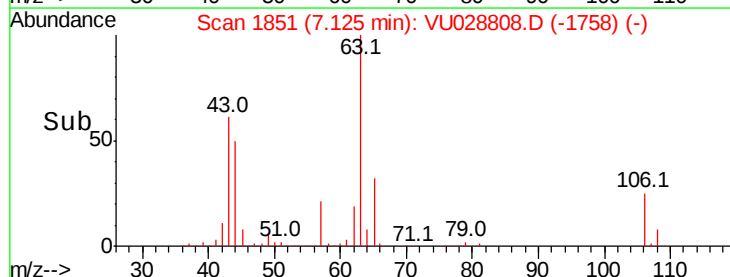
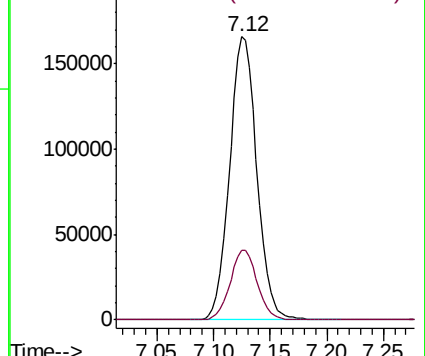
63 100

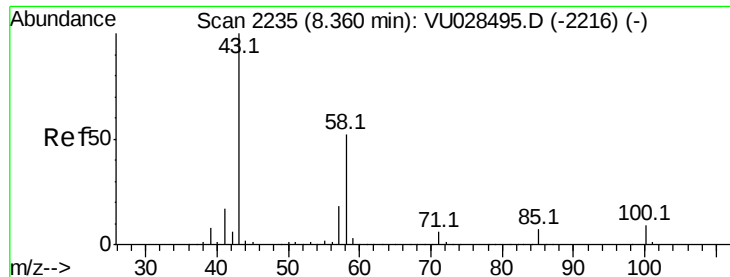
106 24.6 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

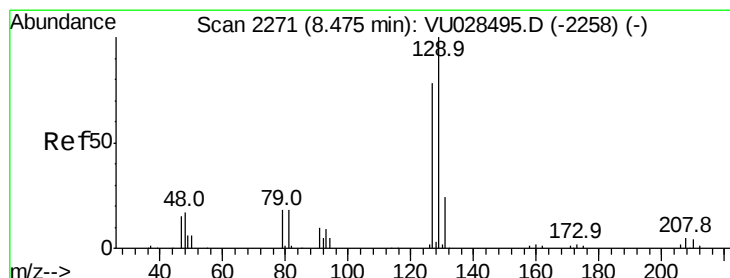
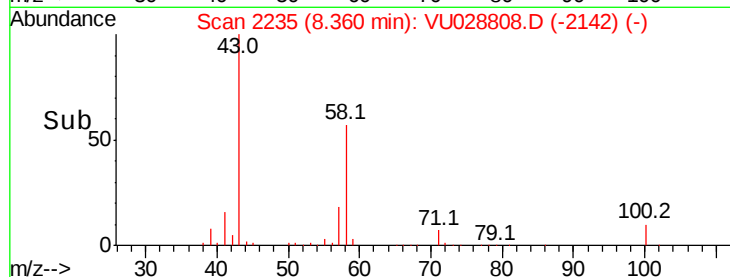
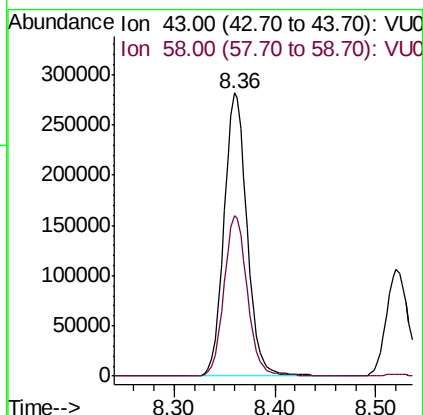
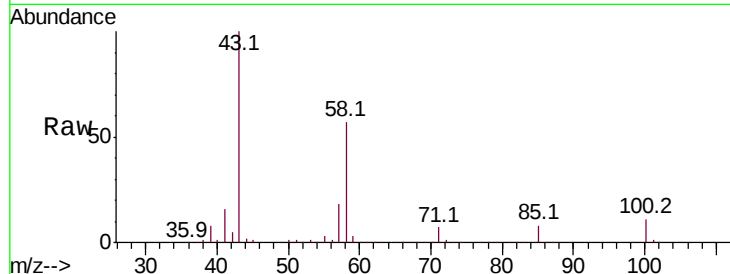




#59
2-Hexanone
Concen: 214.195 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

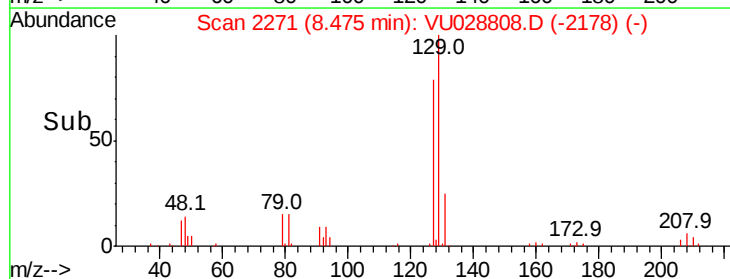
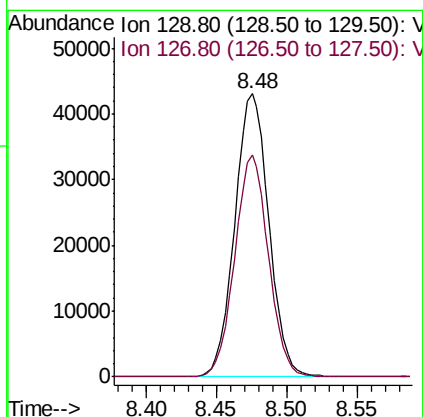
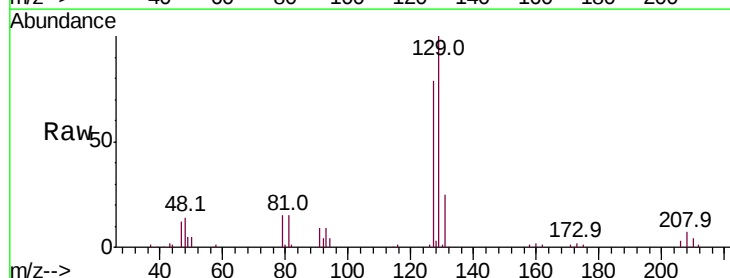
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

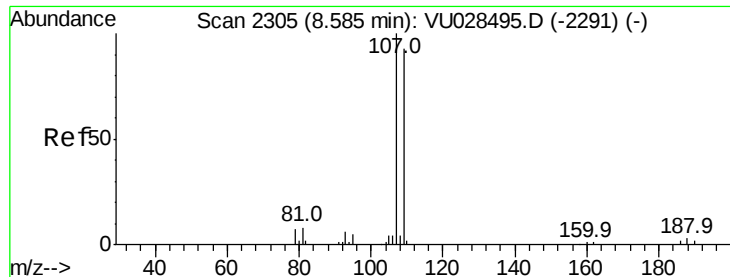
Tot Ion: 43 Resp: 450546
Ion Ratio Lower Upper
43 100
58 57.5 25.9 77.6



#60
Dibromochloromethane
Concen: 52.841 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 129 Resp: 72945
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

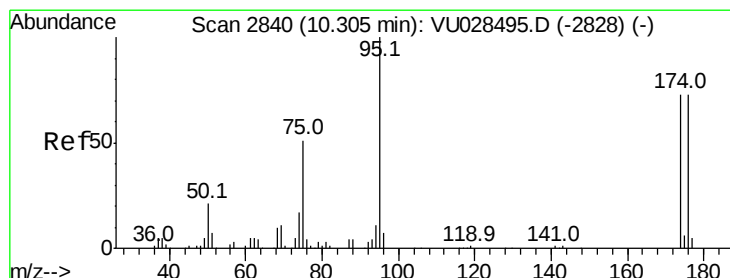
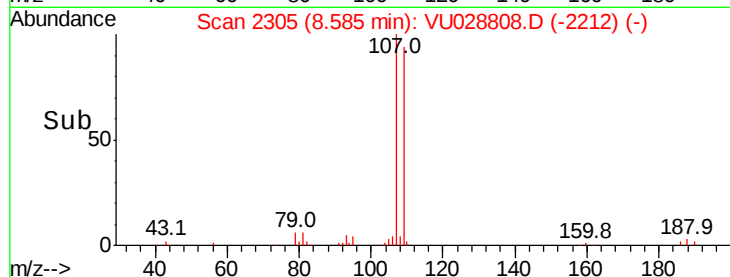
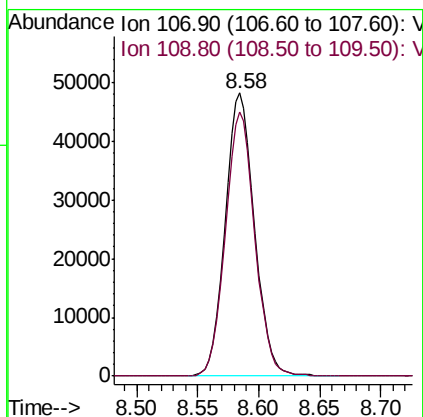
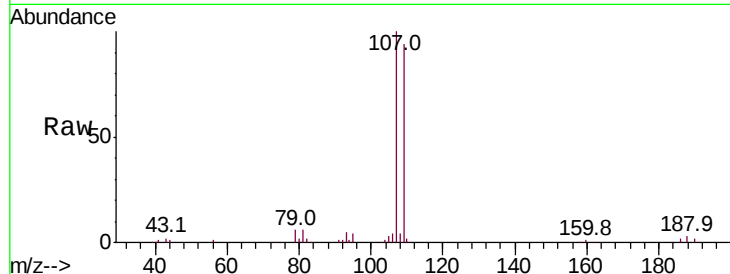




#61
 1,2-Dibromoethane
 Concen: 54.750 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

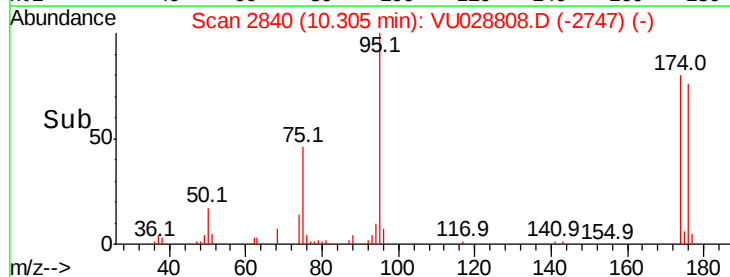
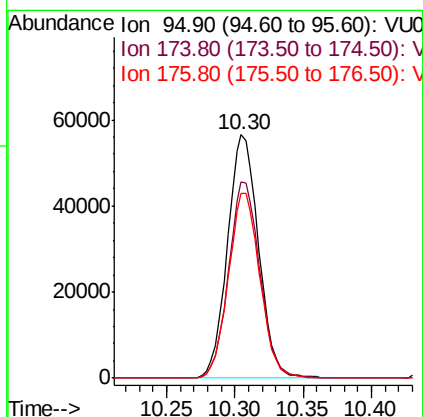
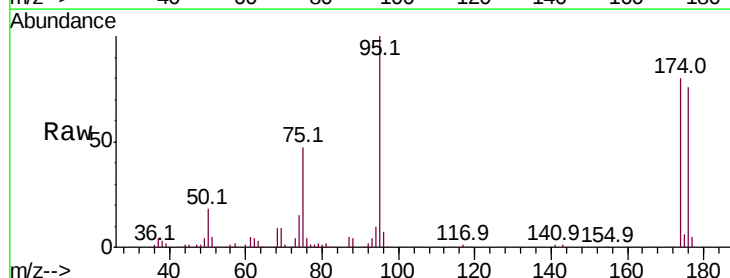
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

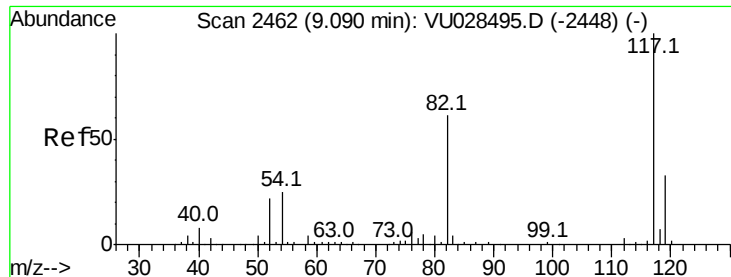
Tot Ion:107 Resp: 80954
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 51.072 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 95 Resp: 89365
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 150.4
 176 76.9 0.0 145.2

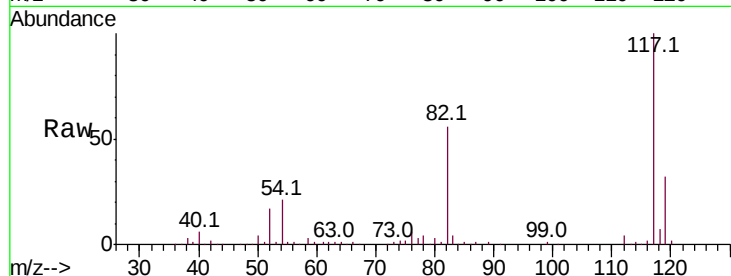




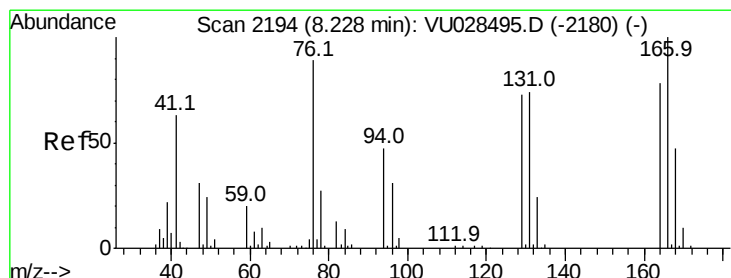
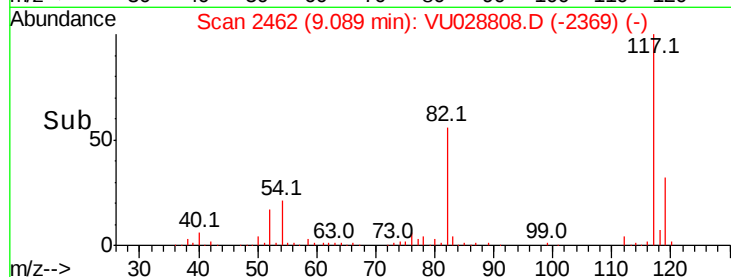
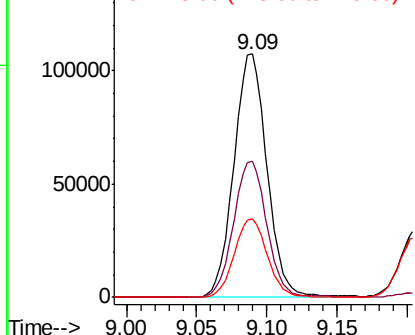
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 176566
Ion Ratio Lower Upper
117 100
82 55.9 48.9 73.3
119 32.3 26.2 39.4

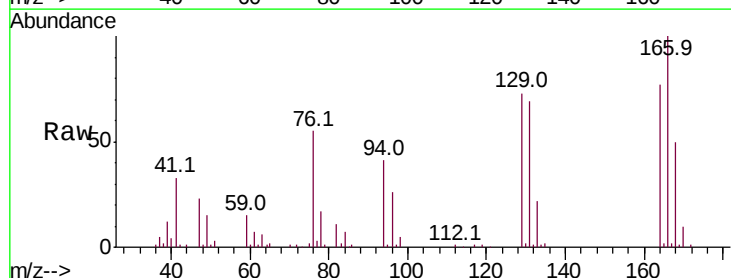


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

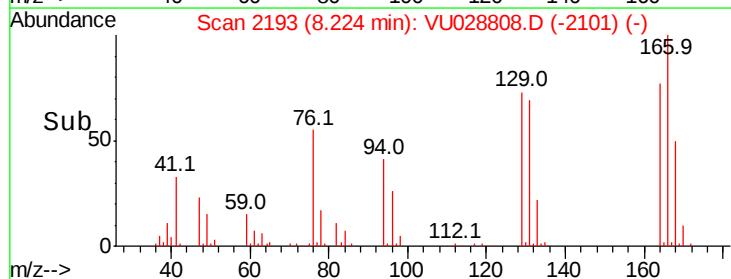
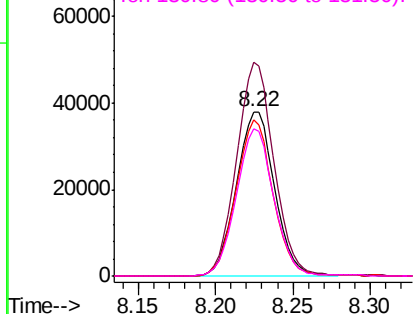


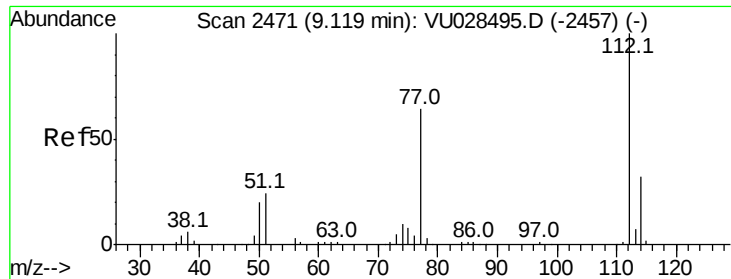
#64
Tetrachloroethene
Concen: 55.257 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion:164 Resp: 65078
Ion Ratio Lower Upper
164 100
166 130.3 101.9 152.9
129 94.9 74.9 112.3
131 89.6 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

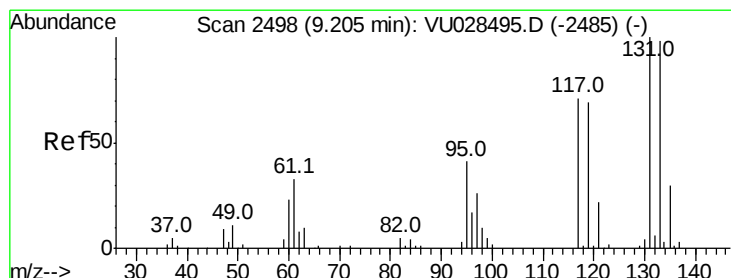
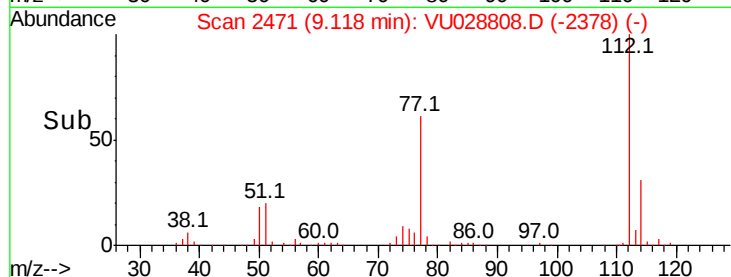
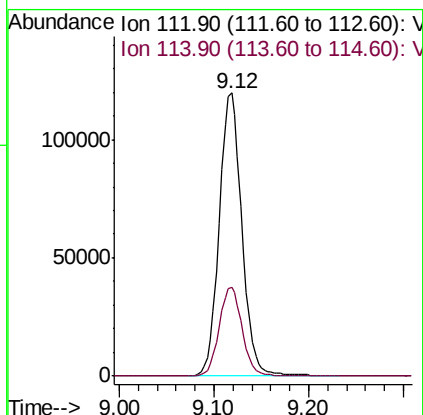
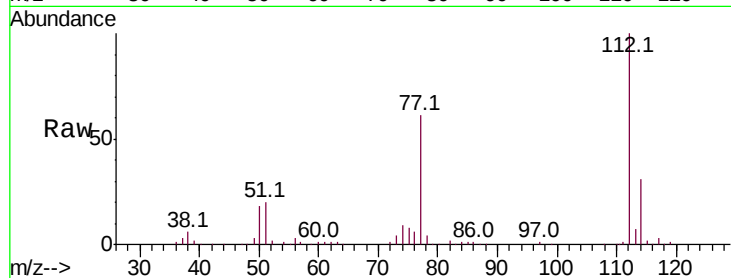




#65
Chlorobenzene
Concen: 52.933 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

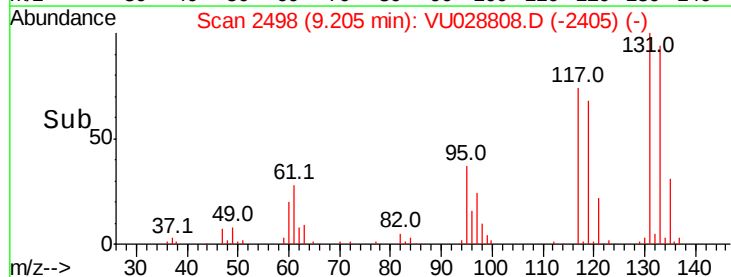
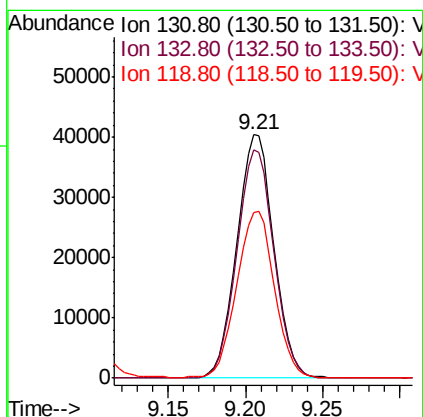
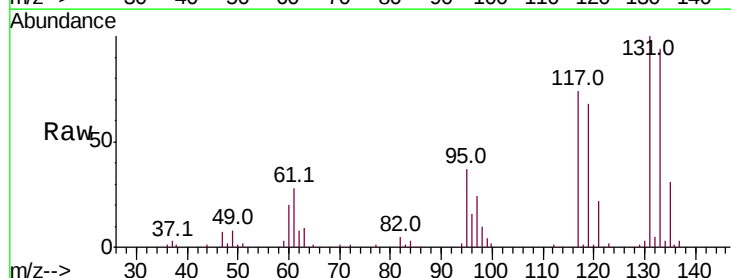
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

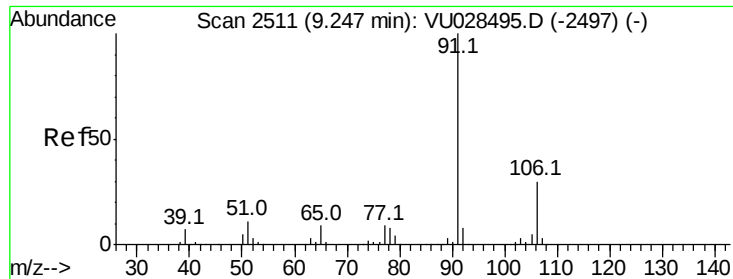
Tot Ion:112 Resp: 199156
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.833 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion:131 Resp: 67082
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.0
119 69.9 34.6 103.9

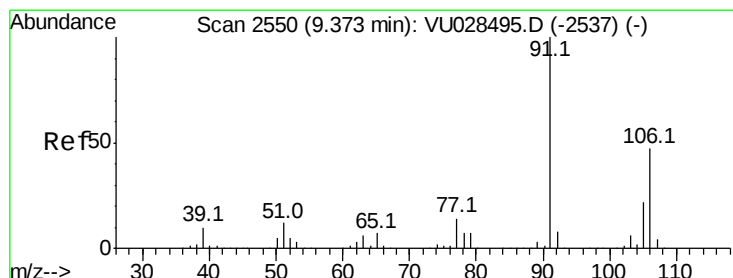
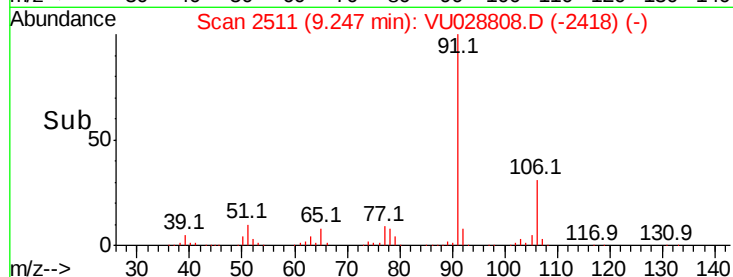
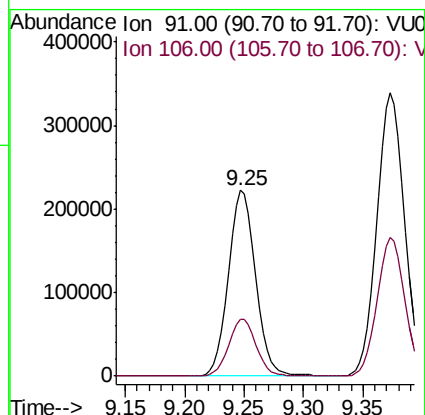
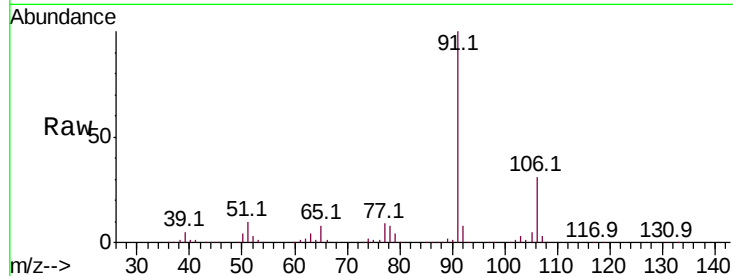




#67
Ethyl Benzene
Concen: 51.173 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

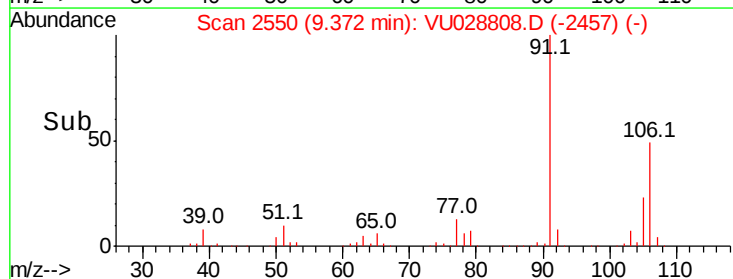
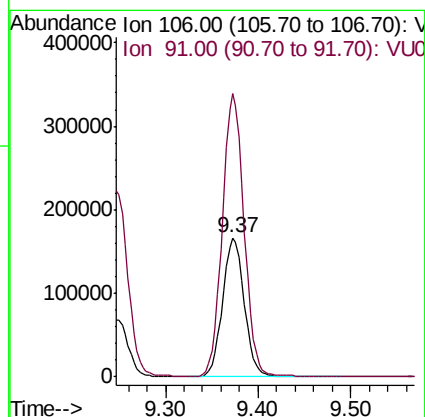
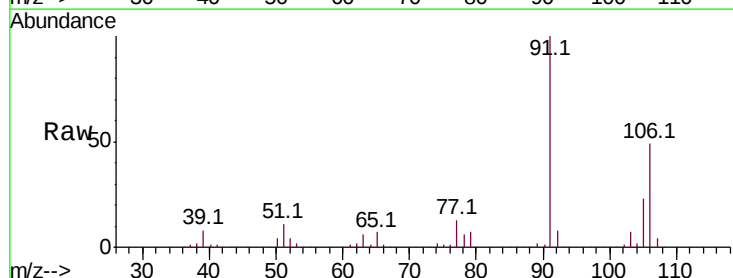
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

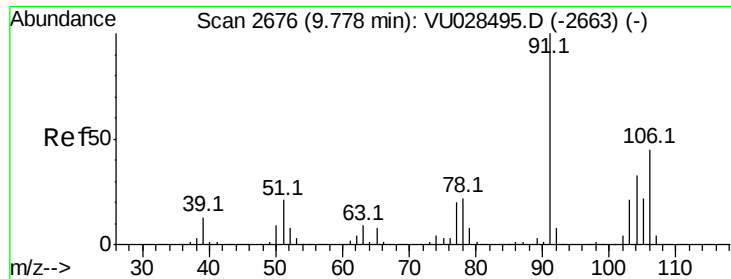
Tot Ion: 91 Resp: 353942
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



#68
m/p-Xylenes
Concen: 107.382 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 106 Resp: 270254
Ion Ratio Lower Upper
106 100
91 203.5 167.4 251.0

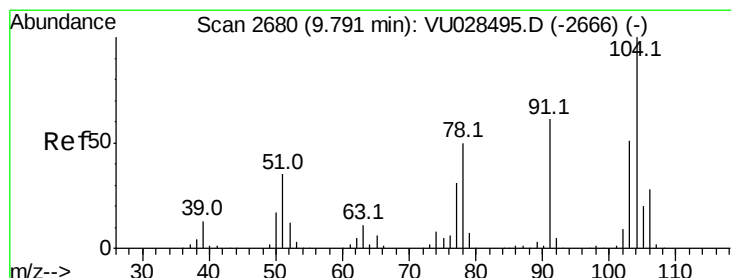
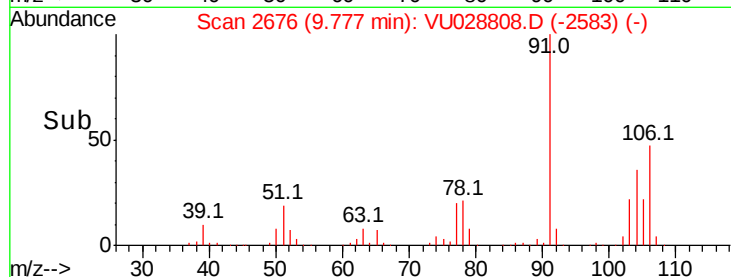
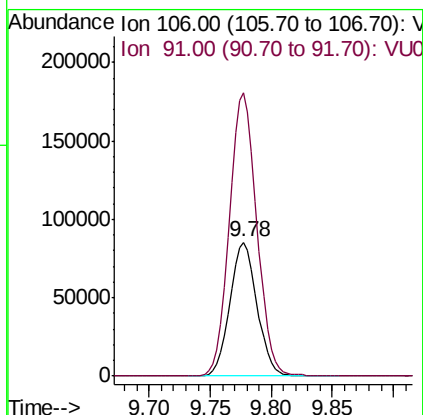
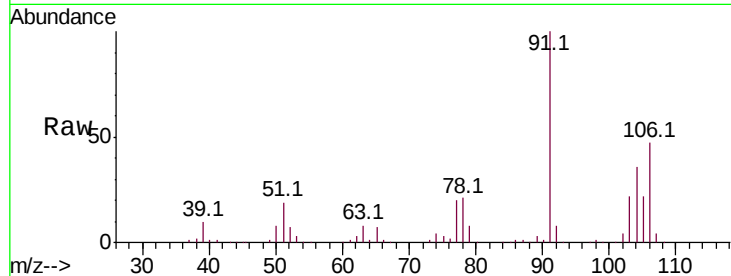




#69
o-Xylene
Concen: 54.384 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

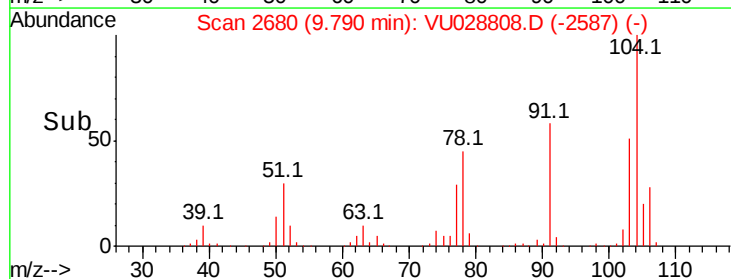
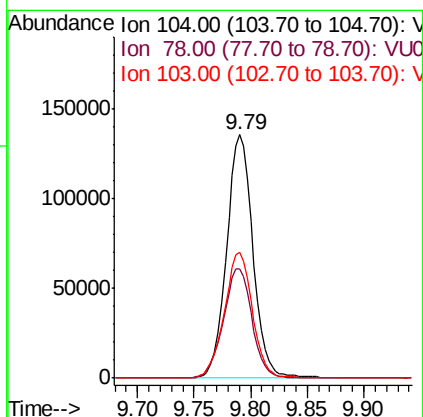
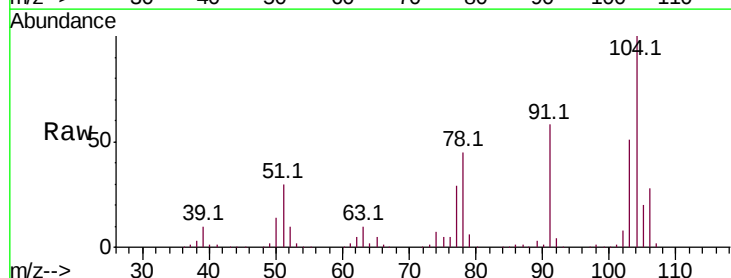
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

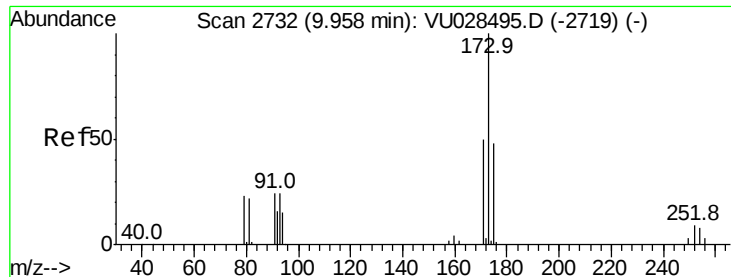
Tot Ion:106 Resp: 133011
Ion Ratio Lower Upper
106 100
91 213.3 111.3 334.0



#70
Styrene
Concen: 54.265 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion:104 Resp: 219644
Ion Ratio Lower Upper
104 100
78 48.9 43.0 64.6
103 55.2 44.2 66.4





#71

Bromoform

Concen: 57.133 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

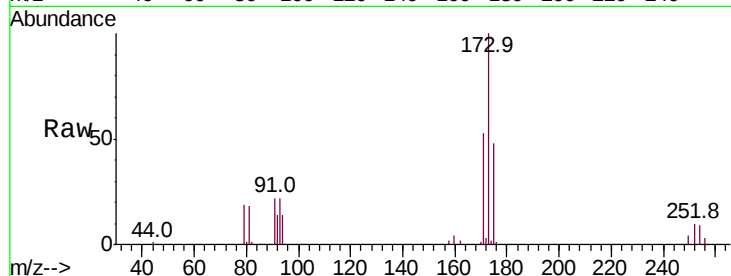
Tot Ion:173 Resp: 58395

Ion Ratio Lower Upper

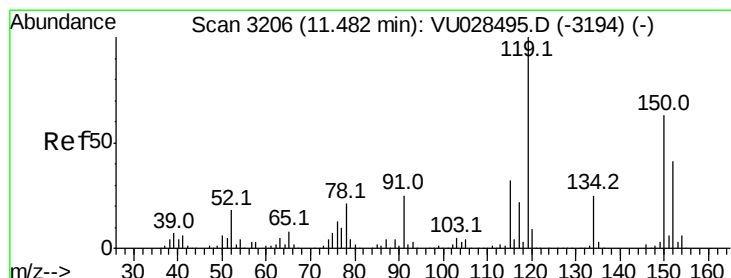
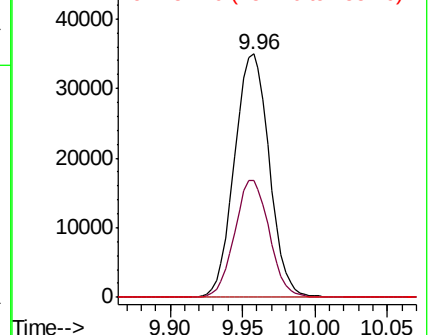
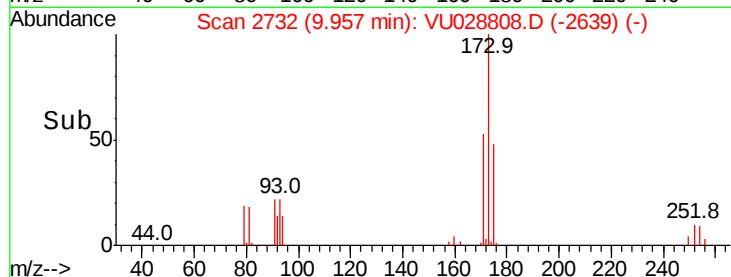
173 100

175 47.7 23.9 71.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

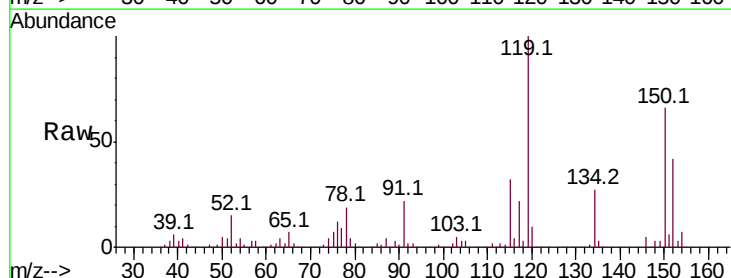
Tgt Ion:152 Resp: 89068

Ion Ratio Lower Upper

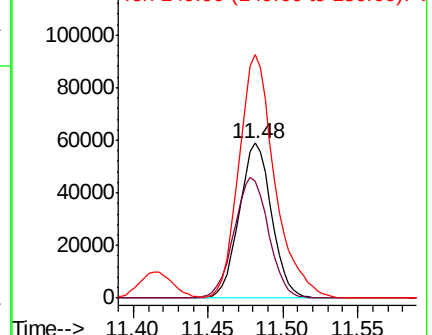
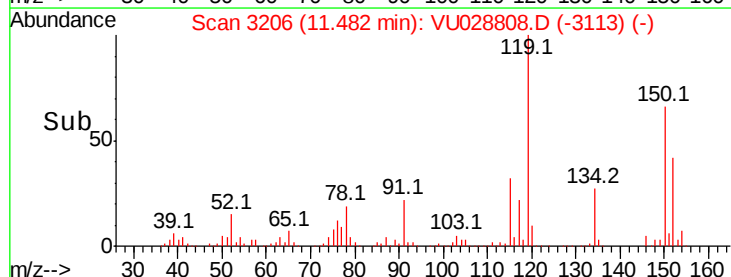
152 100

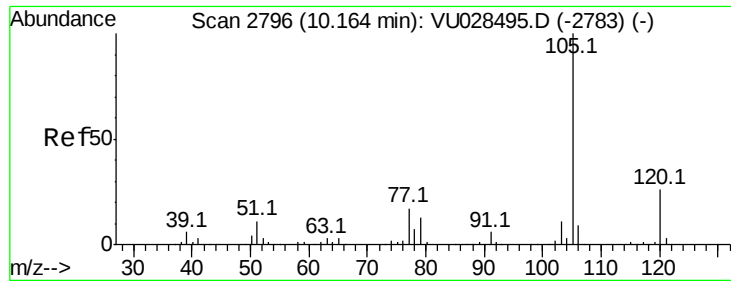
115 82.5 42.7 128.1

150 173.7 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.048 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

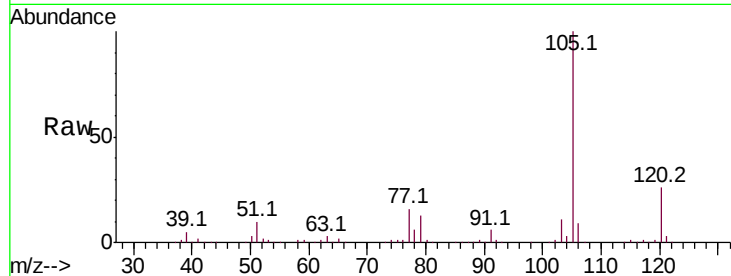
VSTDCCC050EC

Tot Ion:105 Resp: 342052

Ion Ratio Lower Upper

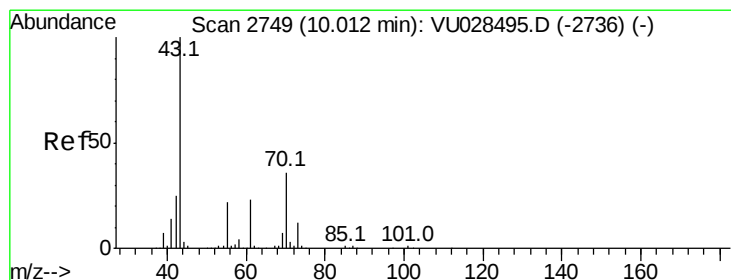
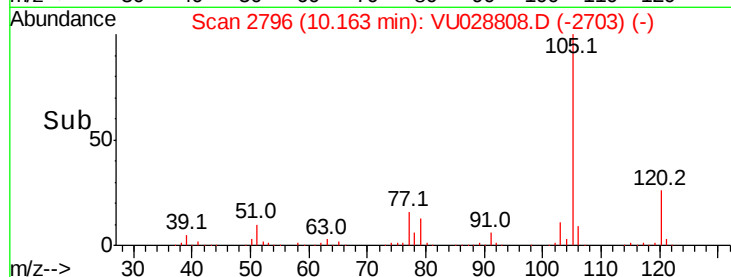
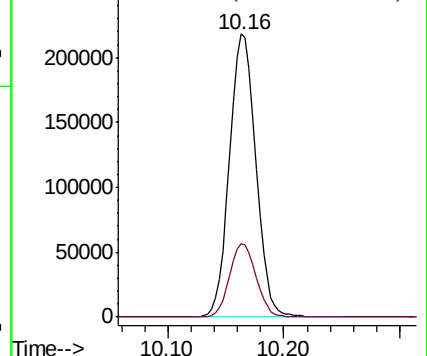
105 100

120 26.1 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.252 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Tgt Ion: 43 Resp: 162629

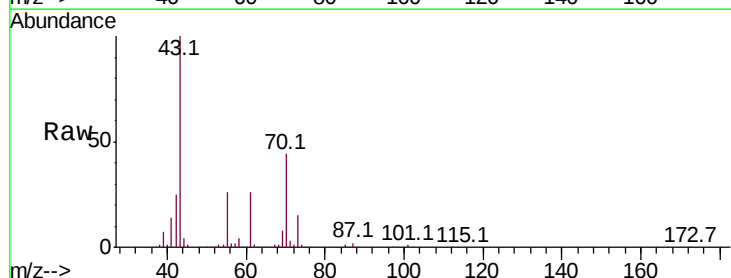
Ion Ratio Lower Upper

43 100

70 43.4 29.3 43.9

55 25.4 18.0 27.0

61 25.7 18.3 27.5

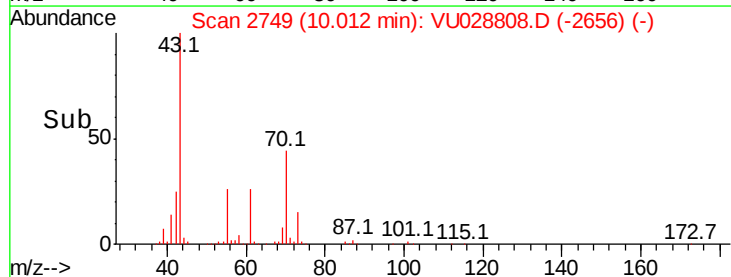
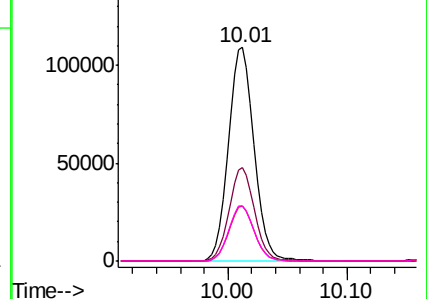


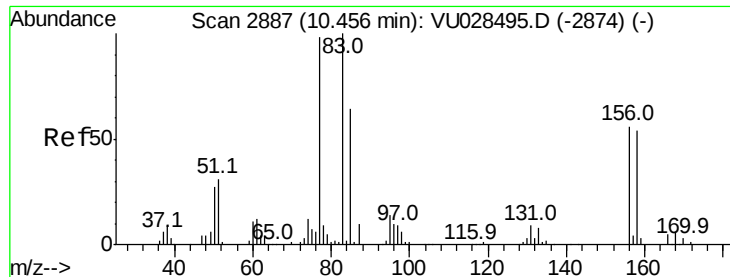
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.813 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

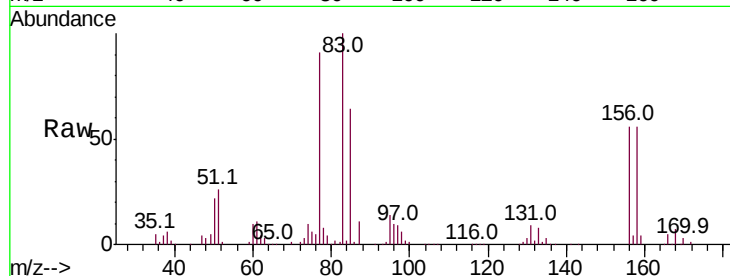
Tot Ion: 83 Resp: 133405

Ion Ratio Lower Upper

83 100

131 8.9 4.2 12.4

85 64.5 31.8 95.4

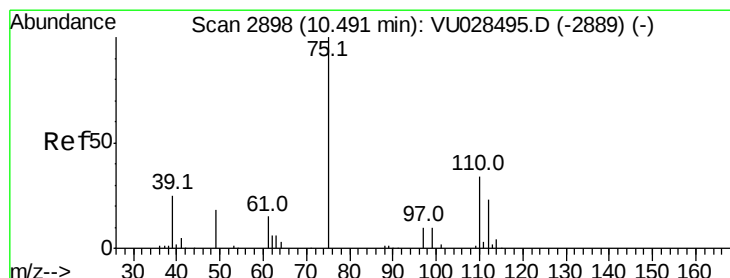
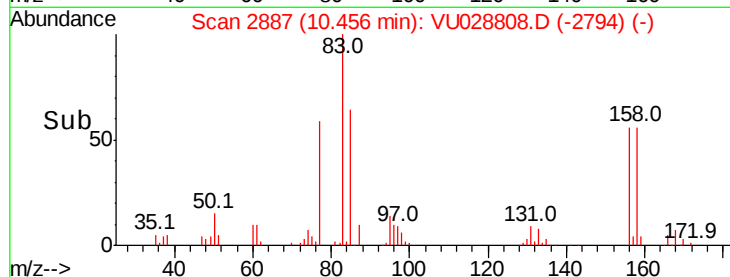


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 68.756 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028808.D

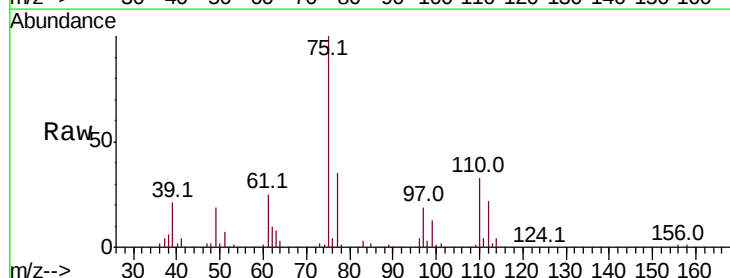
Acq: 19 Dec 2018 20:58

Tgt Ion: 75 Resp: 156377

Ion Ratio Lower Upper

75 100

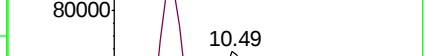
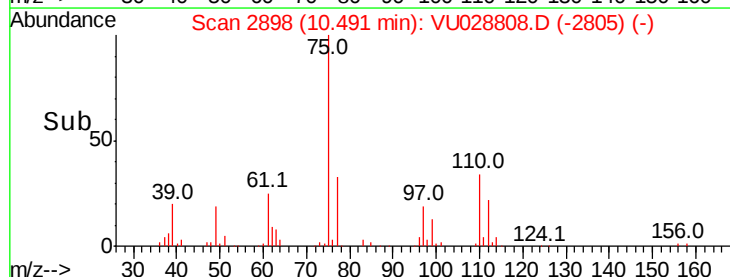
77 30.8 20.8 62.4

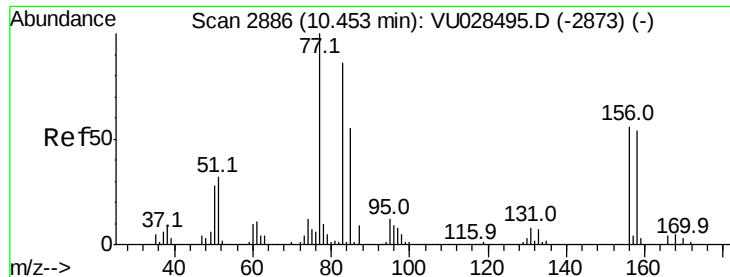


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)

Time-->





#77

Bromobenzene

Concen: 53.840 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

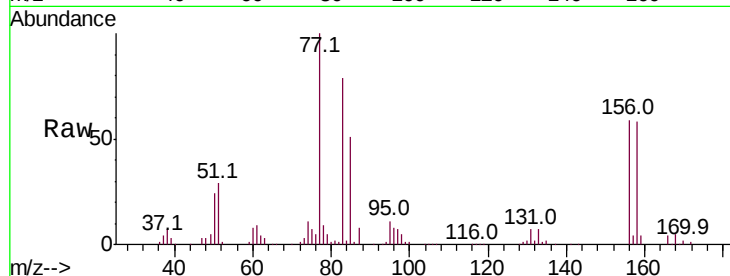
Tot Ion:156 Resp: 86059

Ion Ratio Lower Upper

156 100

77 165.5 92.4 277.2

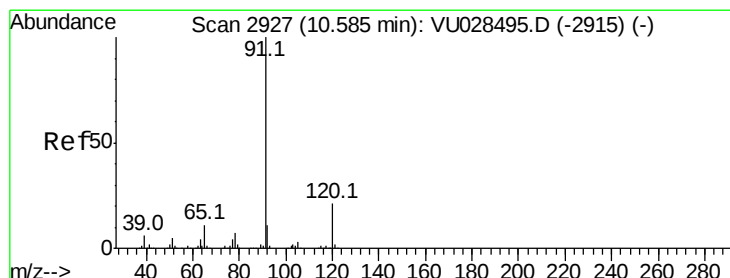
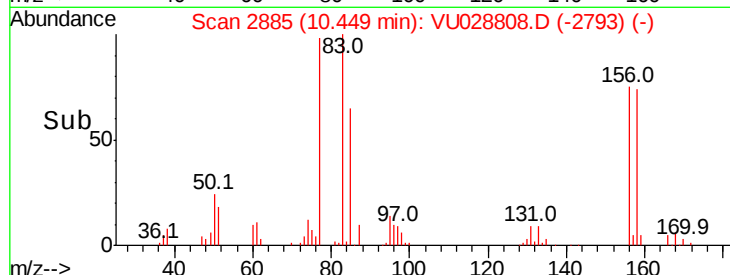
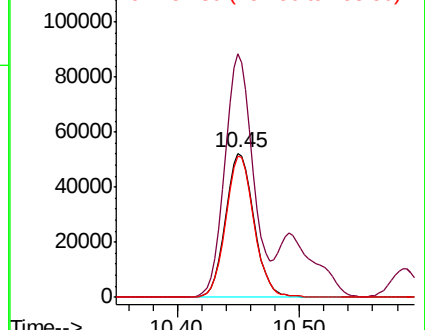
158 97.2 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.081 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028808.D

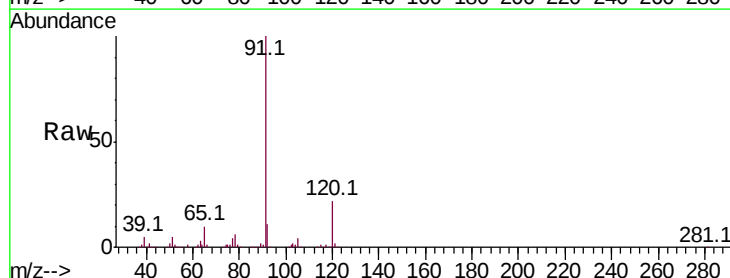
Acq: 19 Dec 2018 20:58

Tgt Ion: 91 Resp: 416819

Ion Ratio Lower Upper

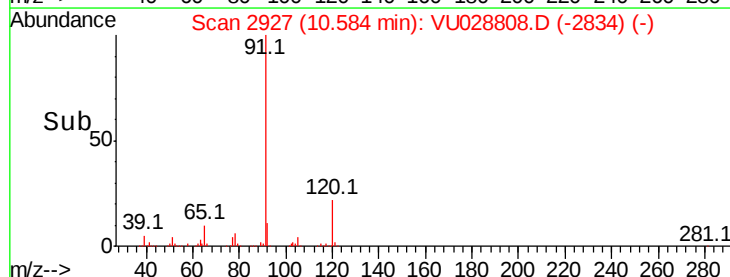
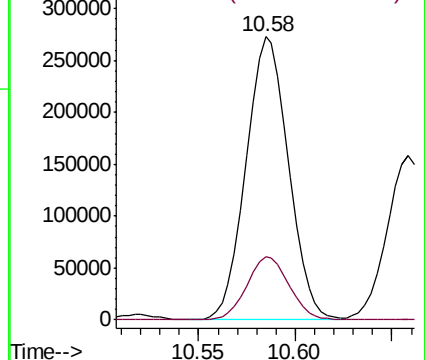
91 100

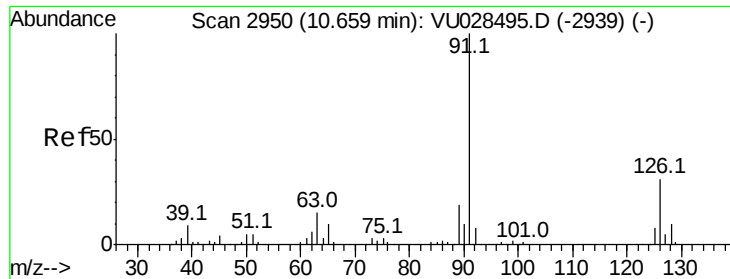
120 22.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

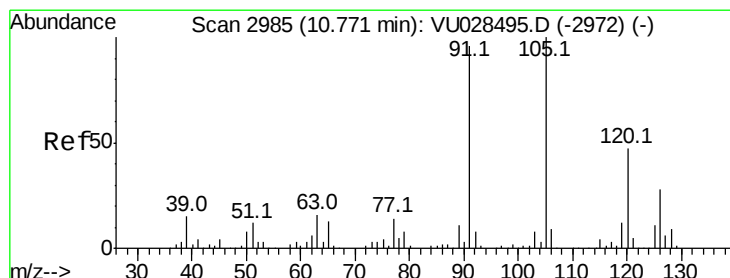
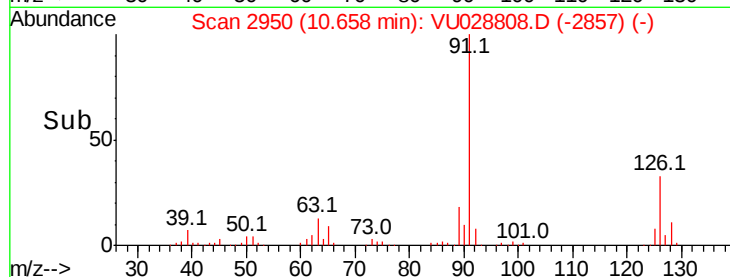
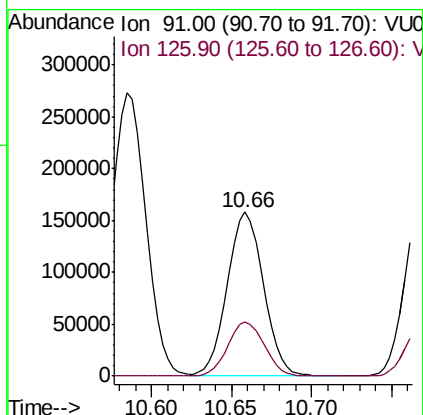
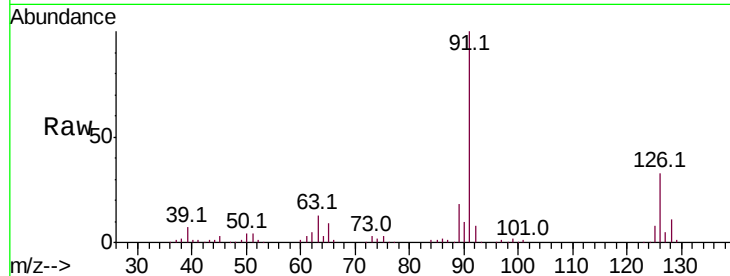




#79
 2-Chlorotoluene
 Concen: 50.162 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

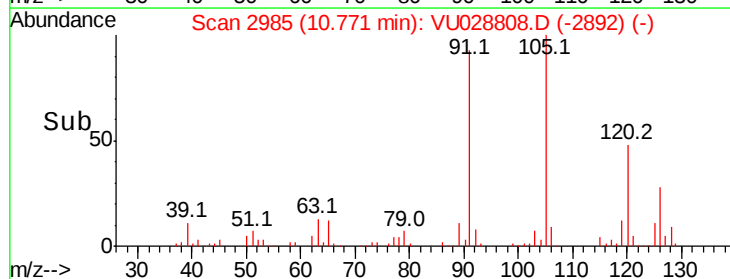
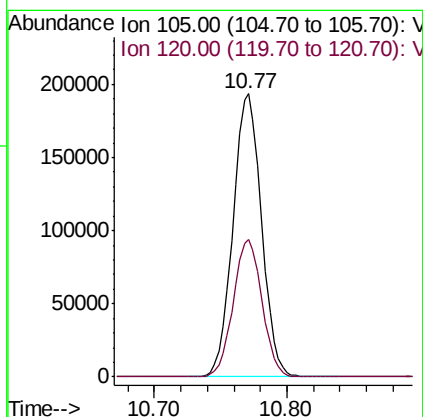
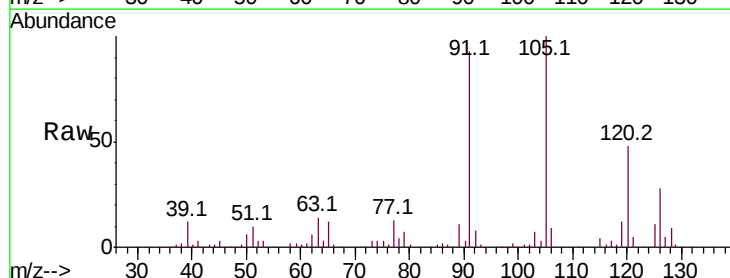
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

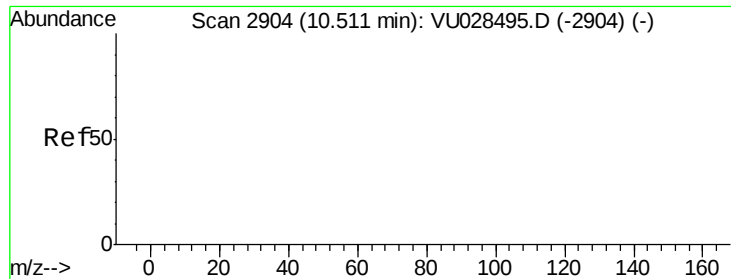
Tot Ion: 91 Resp: 245386
 Ion Ratio Lower Upper
 91 100
 126 33.6 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 51.043 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion:105 Resp: 288769
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 167.802 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

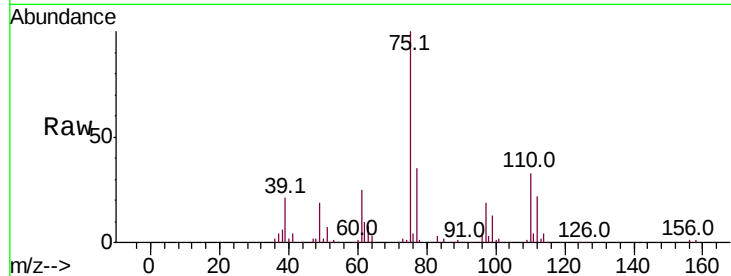
Tot Ion: 75 Resp: 156377

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

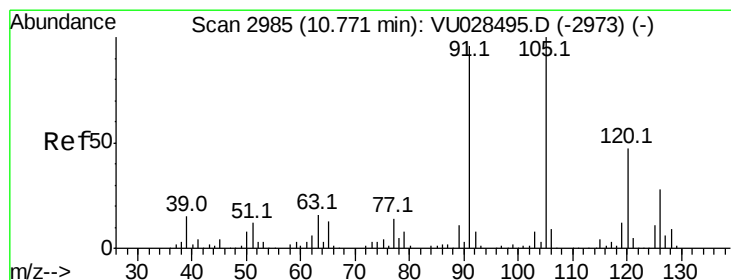
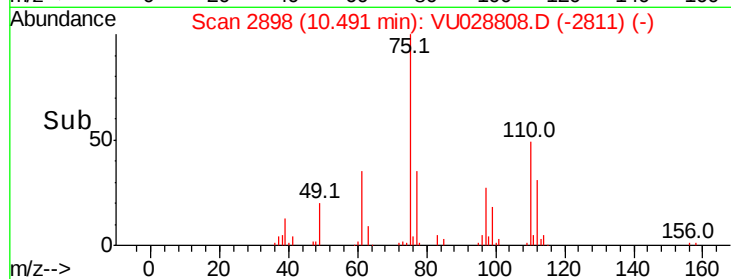
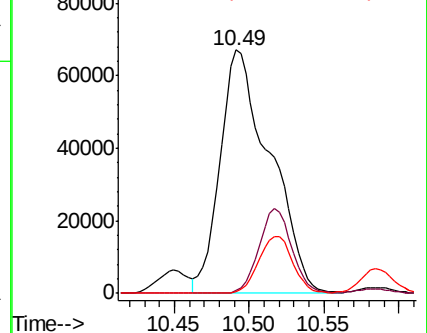
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 48.345 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028808.D

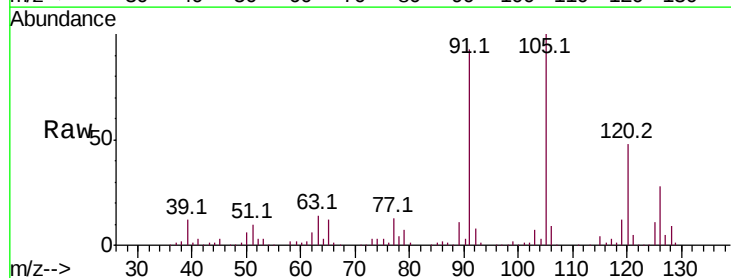
Acq: 19 Dec 2018 20:58

Tgt Ion: 91 Resp: 280252

Ion Ratio Lower Upper

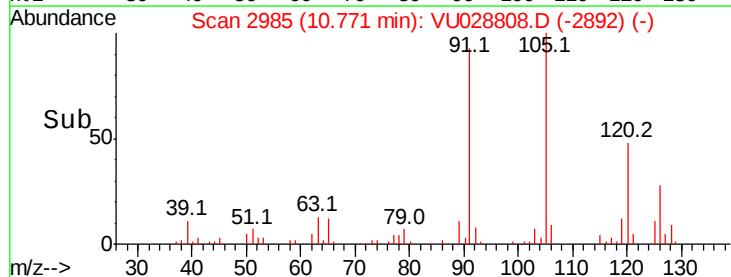
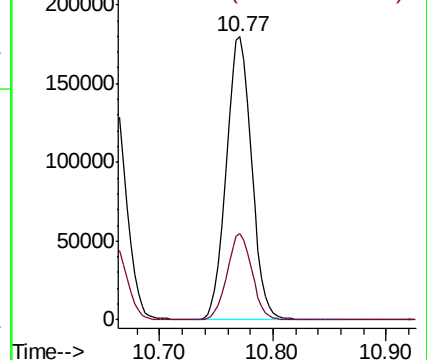
91 100

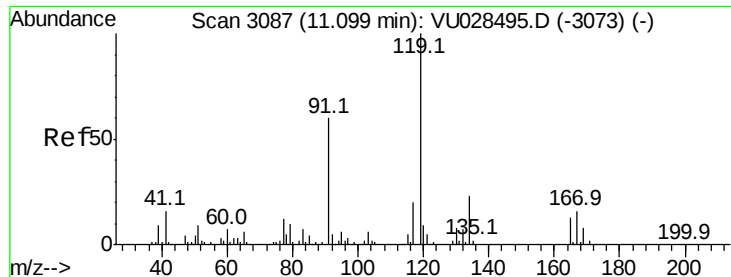
126 30.1 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

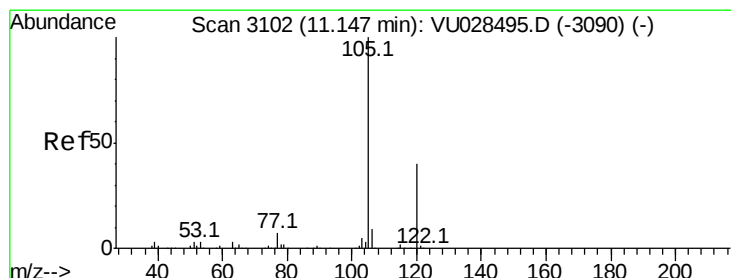
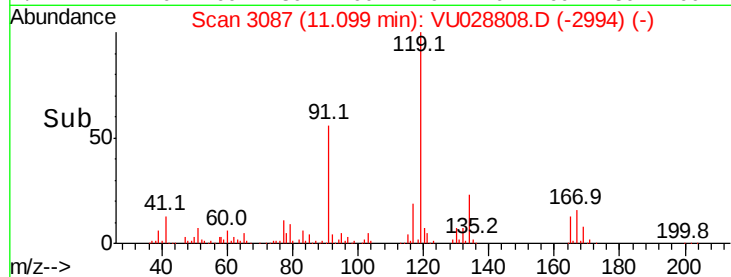
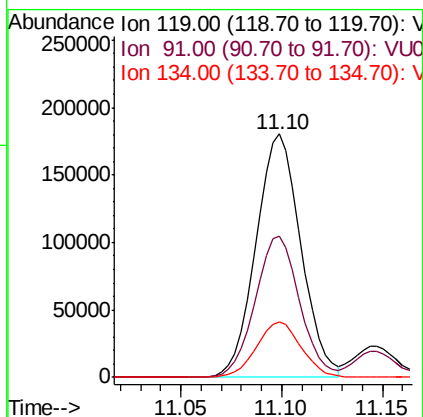
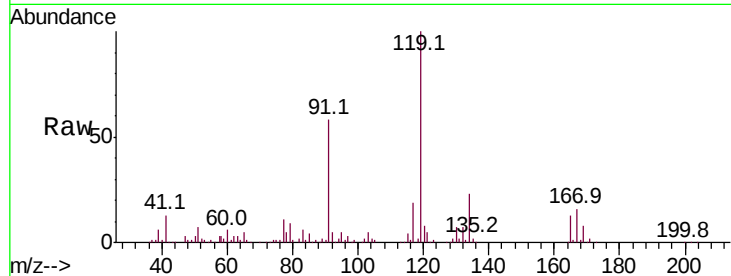




#83
tert-Butylbenzene
Concen: 51.293 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

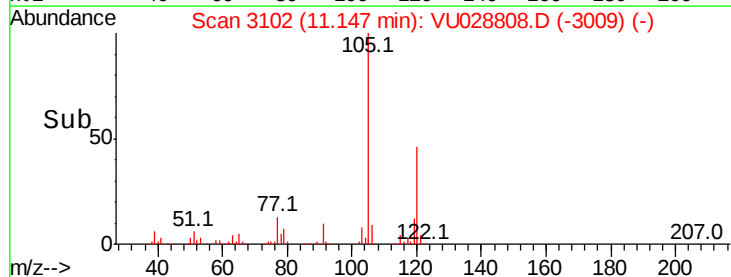
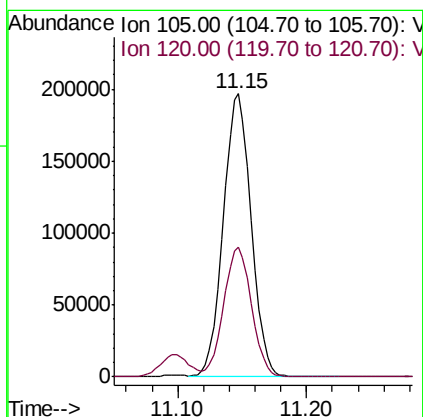
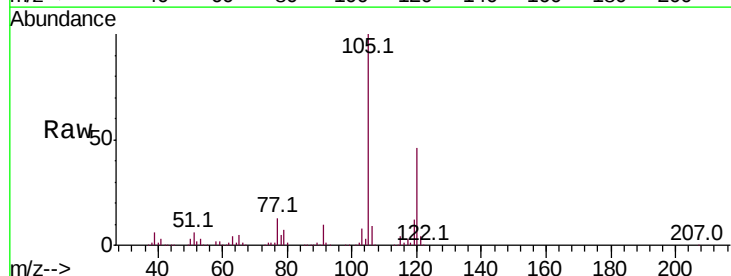
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

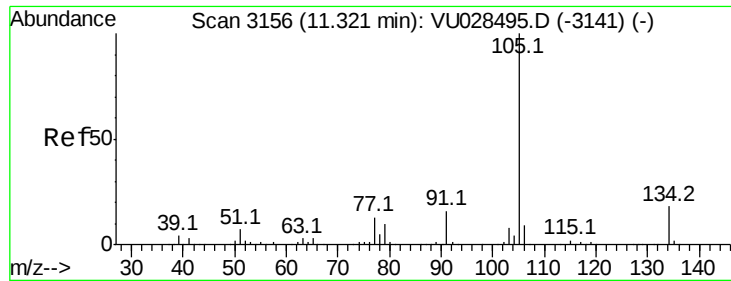
Tot Ion:119 Resp: 279697
Ion Ratio Lower Upper
119 100
91 57.6 30.3 91.0
134 22.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 50.460 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion:105 Resp: 294200
Ion Ratio Lower Upper
105 100
120 46.0 21.8 65.4





#85

sec-Butylbenzene

Concen: 49.898 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

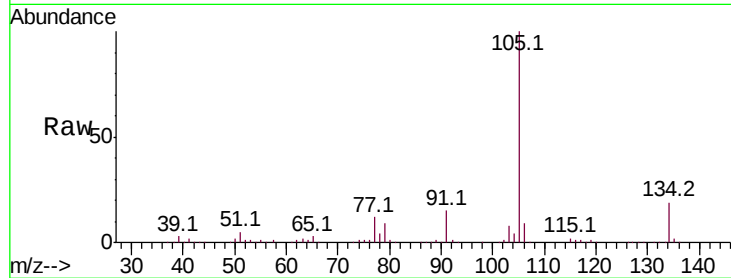
VSTDCCC050EC

Tot Ion:105 Resp: 349550

Ion Ratio Lower Upper

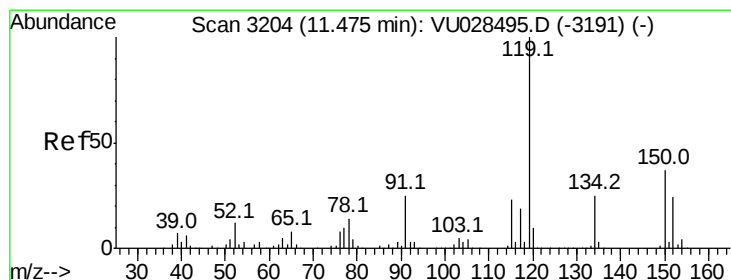
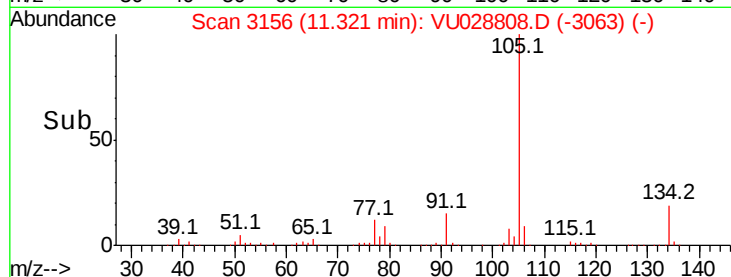
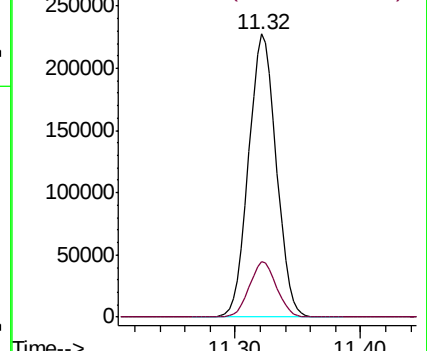
105 100

134 19.2 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.963 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

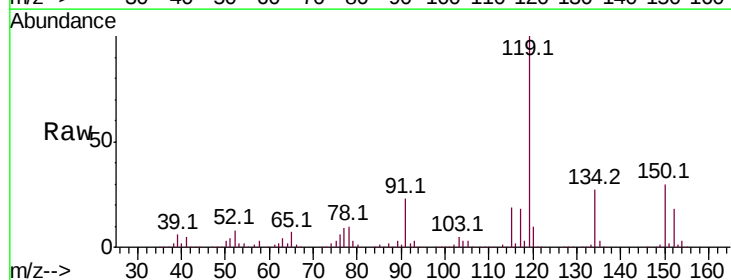
Tgt Ion:119 Resp: 297319

Ion Ratio Lower Upper

119 100

134 26.7 12.7 38.1

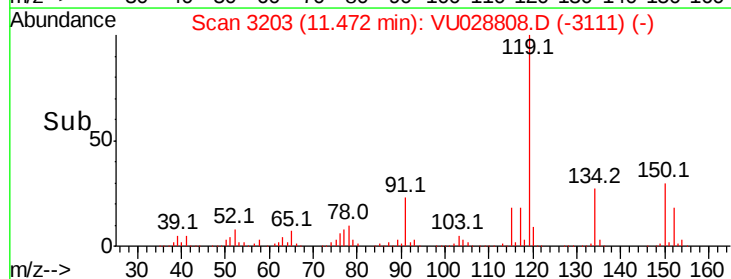
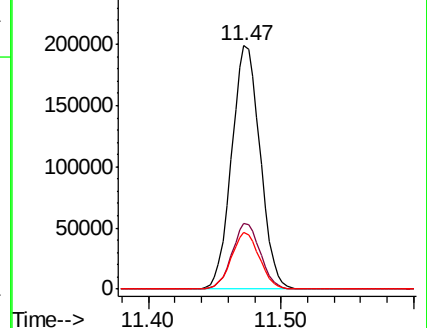
91 22.9 12.6 37.6

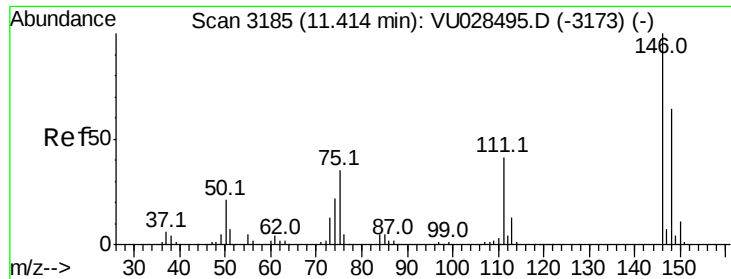


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





#87

1,3-Dichlorobenzene

Concen: 51.854 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

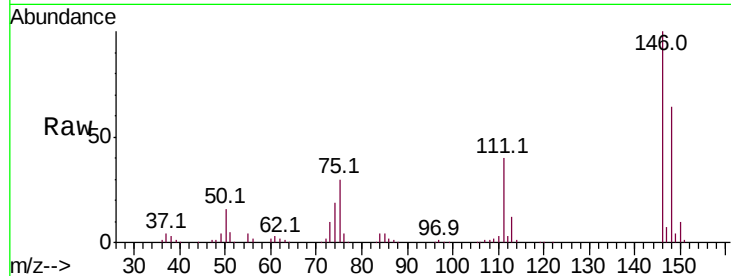
Tot Ion:146 Resp: 156507

Ion Ratio Lower Upper

146 100

111 39.0 20.7 62.1

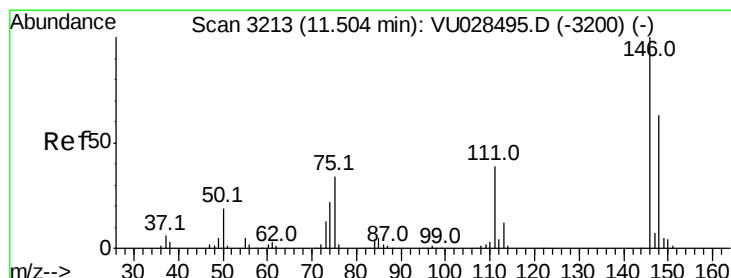
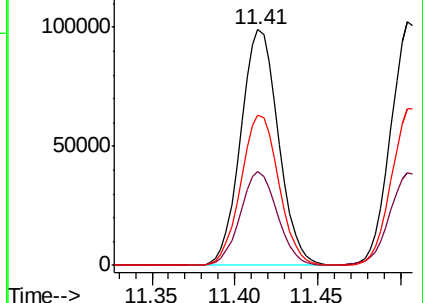
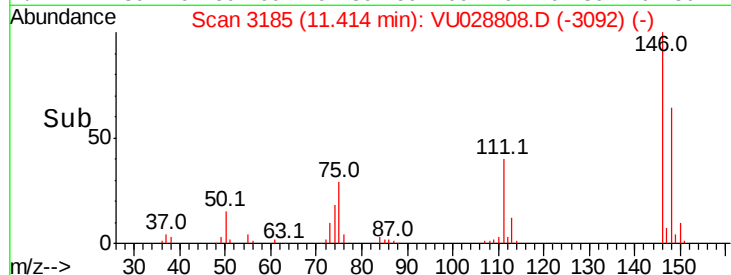
148 64.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.724 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

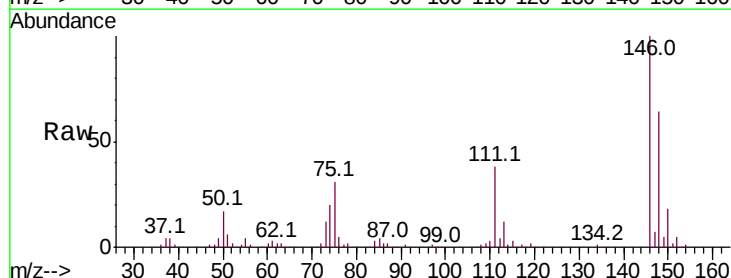
Tgt Ion:146 Resp: 158395

Ion Ratio Lower Upper

146 100

111 38.7 20.2 60.5

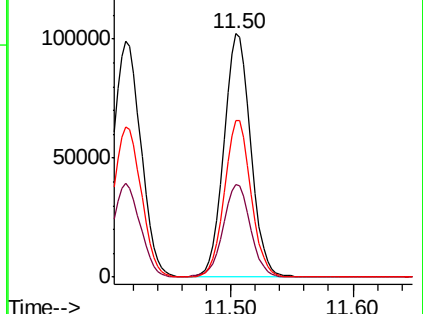
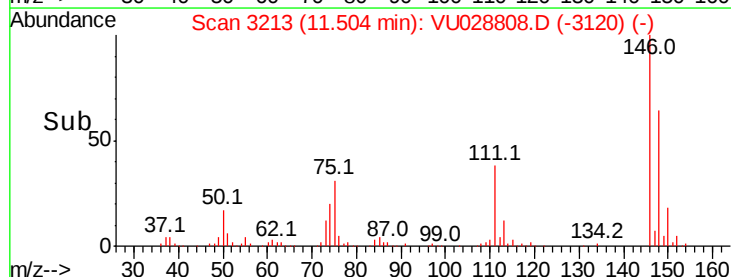
148 63.5 31.6 95.0

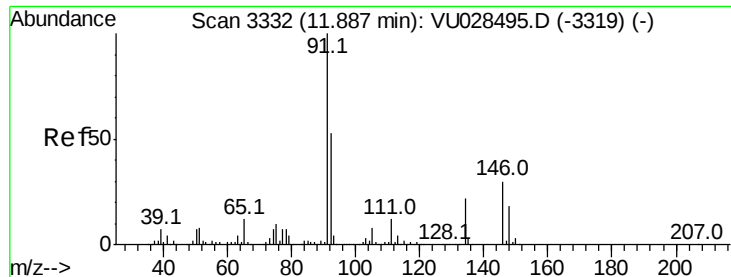


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

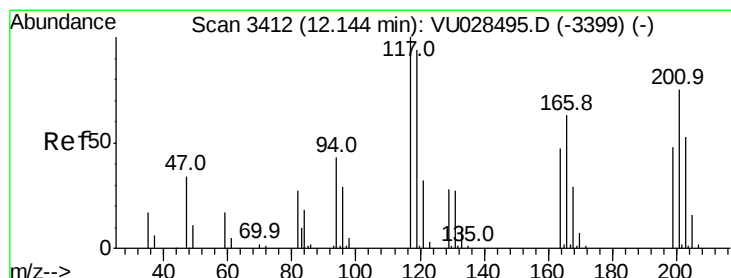
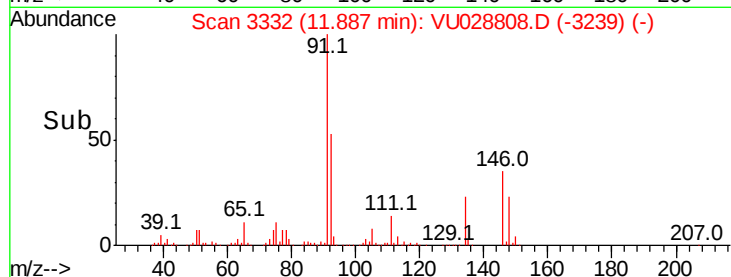
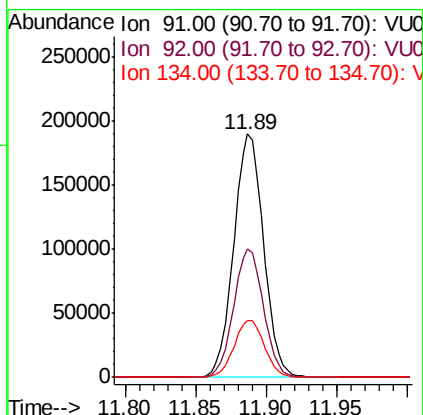
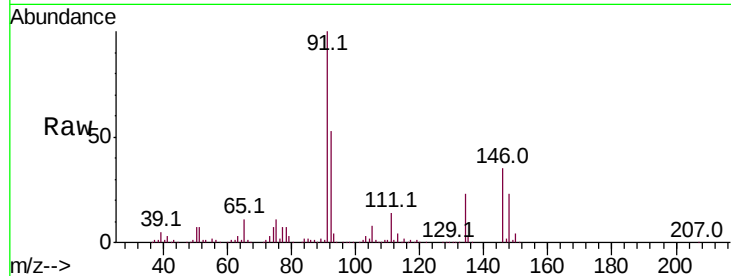




#89
n-Butylbenzene
Concen: 46.723 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

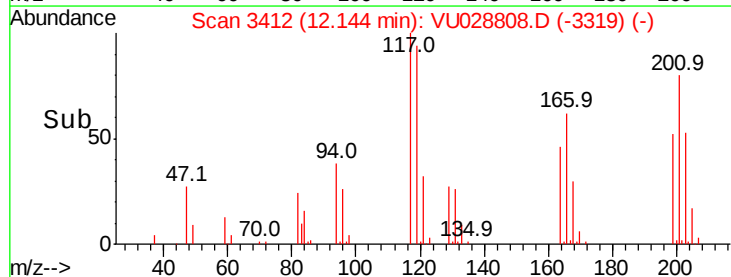
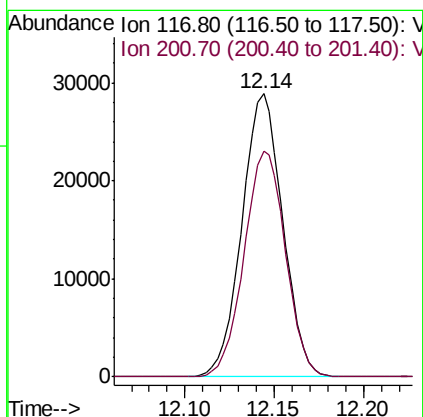
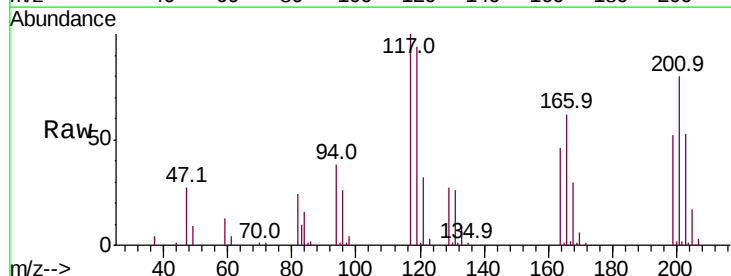
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

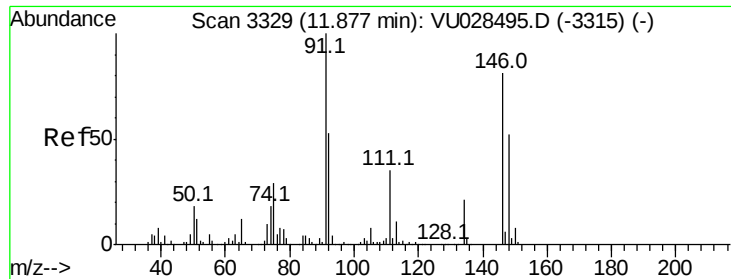
Tot Ion: 91 Resp: 281388
Ion Ratio Lower Upper
91 100
92 52.9 26.3 78.9
134 23.8 11.3 33.8



#90
Hexachloroethane
Concen: 51.430 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 117 Resp: 46258
Ion Ratio Lower Upper
117 100
201 80.7 38.1 114.5

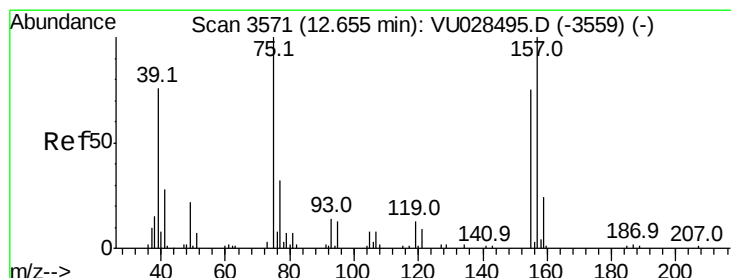
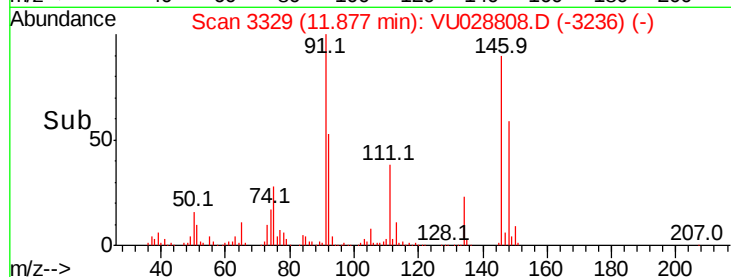
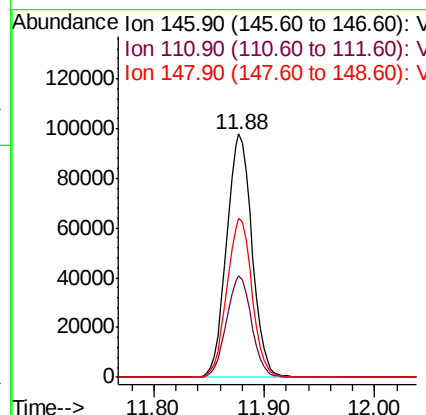
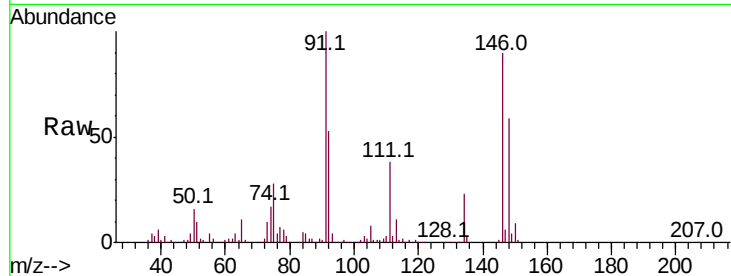




#91
 1,2-Dichlorobenzene
 Concen: 51.795 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

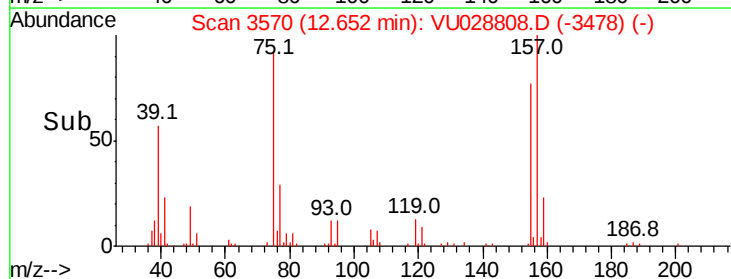
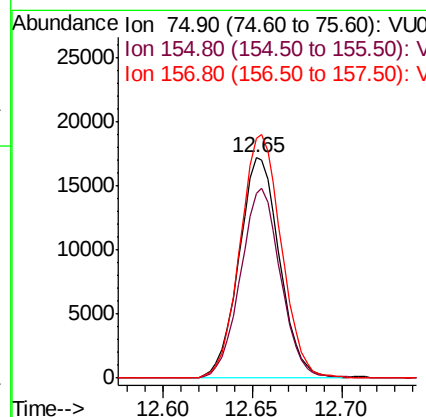
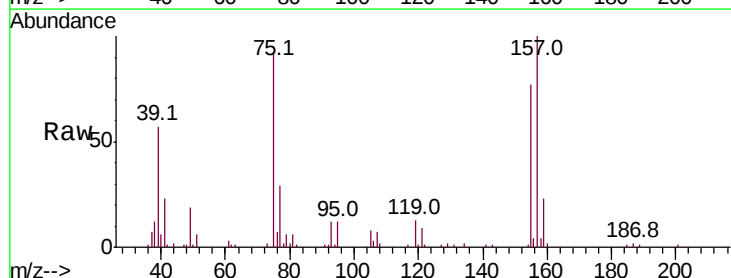
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

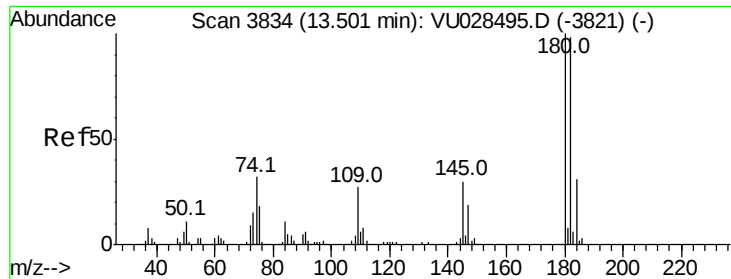
Tot Ion:146 Resp: 156372
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.1 63.4
 148 64.6 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.198 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 75 Resp: 27396
 Ion Ratio Lower Upper
 75 100
 155 85.1 38.1 114.5
 157 111.8 48.7 146.1

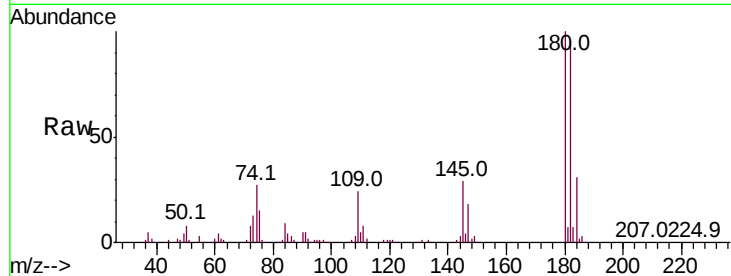




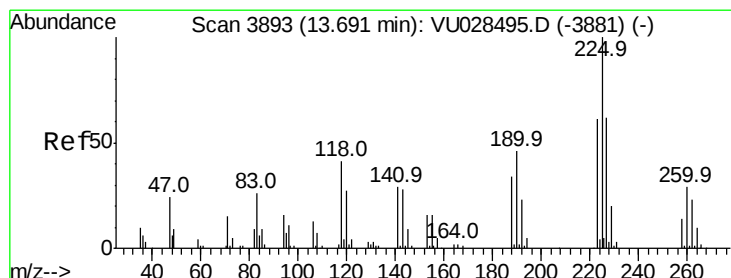
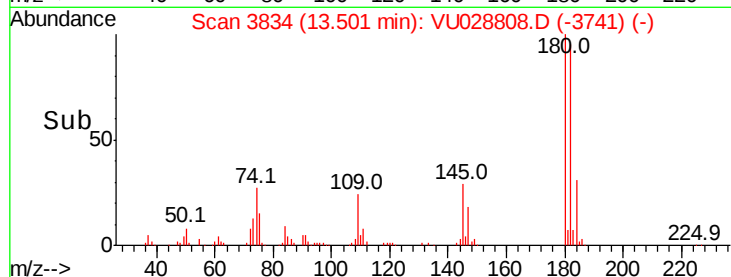
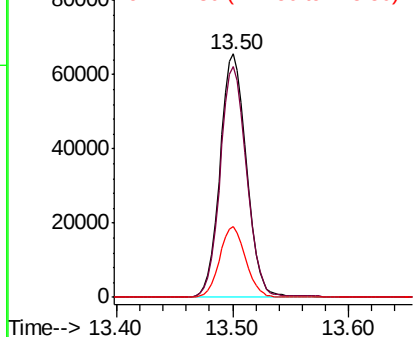
#93
1,2,4-Trichlorobenzene
Concen: 50.031 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:180 Resp: 103795
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.8
145 28.5 15.0 45.1

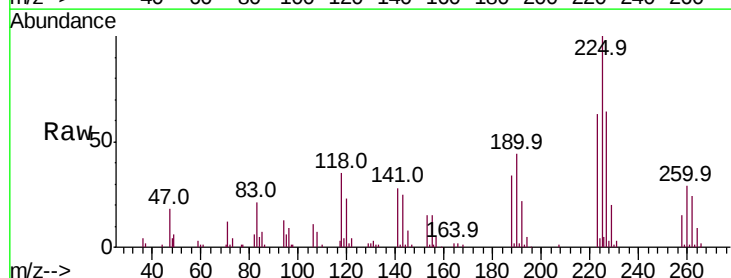


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

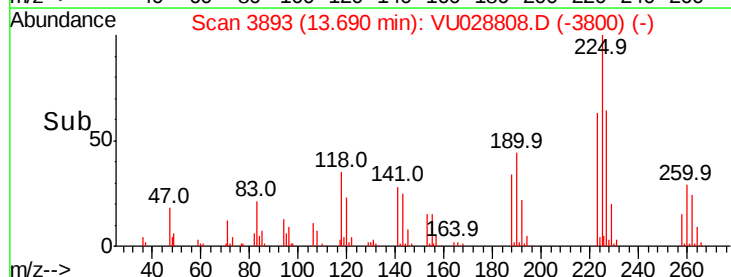
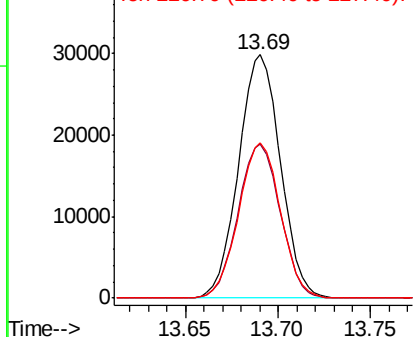


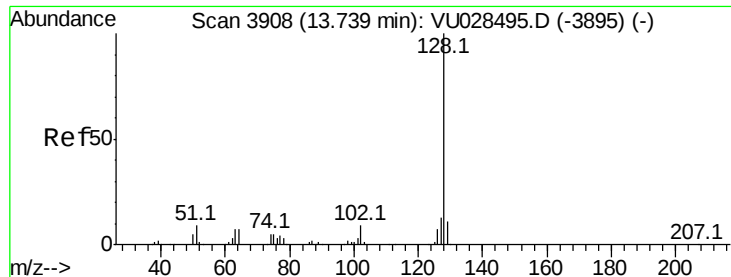
#94
Hexachlorobutadiene
Concen: 47.243 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion:225 Resp: 46721
Ion Ratio Lower Upper
225 100
223 63.8 30.4 91.2
227 63.9 30.7 92.1



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

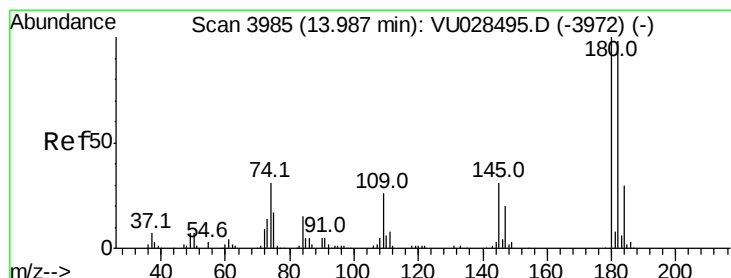
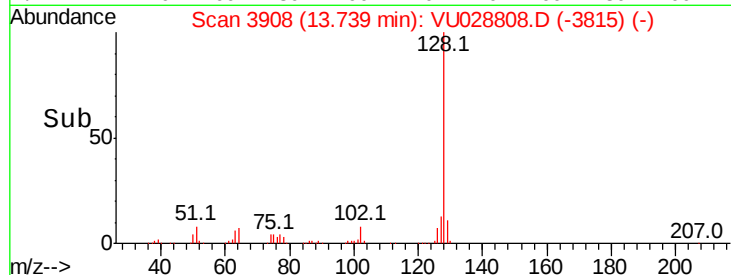
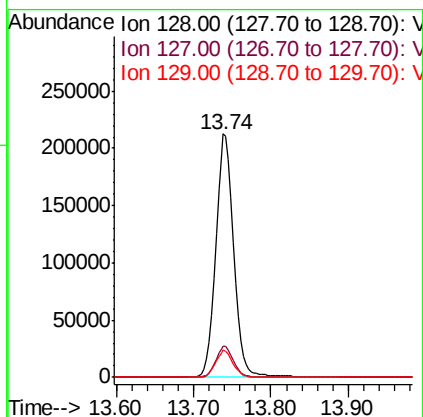
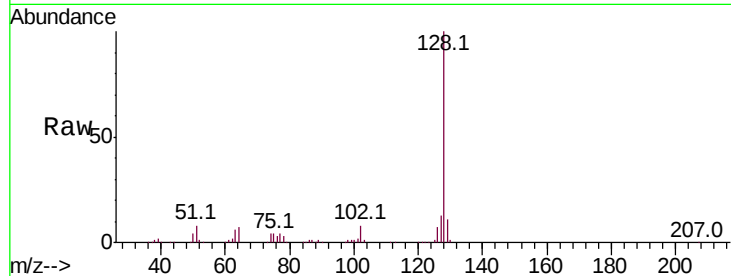




#95
Naphthalene
Concen: 48.595 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 352052
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.855 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion:180 Resp: 105009
Ion Ratio Lower Upper
180 100
182 96.6 48.2 144.6
145 30.9 15.8 47.3

