

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028635.D
 Acq On : 12 Dec 2018 02:30
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 12 04:17:24 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	108892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	187971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87133	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	77741	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	4.88	113	59244	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	7.56	98	236291	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	10.30	95	87241	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	66321	45.439	ug/l	99
3) Chloromethane	1.33	50	110653	41.237	ug/l	99
4) Vinyl Chloride	1.40	62	90128	46.542	ug/l	97
5) Bromomethane	1.61	94	36992	47.422	ug/l	99
6) Chloroethane	1.68	64	50031	45.637	ug/l	95
7) Trichlorofluoromethane	1.88	101	95662	46.953	ug/l	99
8) Diethyl Ether	2.10	74	43752	45.900	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58223	47.782	ug/l	100
10) Methyl Iodide	2.41	142	61118	63.924	ug/l	98
11) Tert butyl alcohol	2.83	59	90328	243.975	ug/l	99
12) 1,1-Dichloroethene	2.28	96	57529	47.451	ug/l	94
13) Acrolein	2.19	56	68816	233.158	ug/l	97
14) Allyl chloride	2.59	41	121595	42.396	ug/l	98
15) Acrylonitrile	2.93	53	255871	248.929	ug/l	98
16) Acetone	2.32	43	197894	182.496	ug/l	98
17) Carbon Disulfide	2.47	76	191545	43.856	ug/l	99
18) Methyl Acetate	2.61	43	148018	52.657	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	222128	48.330	ug/l	100
20) Methylene Chloride	2.70	84	72118	45.115	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	64427	47.198	ug/l	96
22) Diisopropyl ether	3.57	45	266088	47.708	ug/l	98
23) Vinyl Acetate	3.52	43	1114715	242.300	ug/l	99
24) 1,1-Dichloroethane	3.44	63	135424	46.385	ug/l	99
25) 2-Butanone	4.26	43	345784	233.337	ug/l	99
26) 2,2-Dichloropropane	4.22	77	90095	38.946	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	75536	48.890	ug/l	94
28) Bromochloromethane	4.55	49	64938	48.927	ug/l	99
29) Tetrahydrofuran	4.63	42	238248	250.329	ug/l	98
30) Chloroform	4.67	83	124008	48.734	ug/l	98
31) Cyclohexane	4.99	56	133544	46.796	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	101828	48.183	ug/l	99
36) 1,1-Dichloropropene	5.13	75	96506	46.917	ug/l	99
37) Ethyl Acetate	4.38	43	133232	50.106	ug/l	99
38) Carbon Tetrachloride	5.13	117	81371	49.081	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	119632	47.673	ug/l	97
40) Benzene	5.39	78	298175	49.219	ug/l	100
41) Methacrylonitrile	4.54	41	74381	51.079	ug/l	99
42) 1,2-Dichloroethane	5.40	62	99733	47.031	ug/l	100
43) Isopropyl Acetate	5.55	43	213319	50.721	ug/l	99
44) Trichloroethene	6.18	130	67526	50.130	ug/l	94
45) 1,2-Dichloropropane	6.43	63	86301	50.658	ug/l	97
46) Dibromomethane	6.56	93	50390	49.852	ug/l	97
47) Bromodichloromethane	6.76	83	96276	48.947	ug/l	99
48) Methyl methacrylate	6.62	41	109527	52.367	ug/l	97
49) 1,4-Dioxane	6.61	88	31166	943.718	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	680434	256.514	ug/l	99
52) Toluene	7.64	92	178320	50.015	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	113906	48.624	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	123063	48.420	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	71947	51.050	ug/l	96
56) Ethyl methacrylate	8.02	69	130421	54.039	ug/l	95
57) 1,3-Dichloropropane	8.24	76	130763	49.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	337964	273.395	ug/l	99
59) 2-Hexanone	8.36	43	527242	250.771	ug/l	97
60) Dibromochloromethane	8.48	129	69930	50.680	ug/l	98
61) 1,2-Dibromoethane	8.58	107	77398	52.369	ug/l	99
64) Tetrachloroethene	8.22	164	60557	51.575	ug/l	97
65) Chlorobenzene	9.12	112	185873	49.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64909	54.190	ug/l	97
67) Ethyl Benzene	9.25	91	346147	50.199	ug/l	99
68) m/p-Xylenes	9.37	106	251171	100.104	ug/l	99
69) o-Xylene	9.78	106	124182	50.929	ug/l	99
70) Styrene	9.79	104	206484	51.170	ug/l	99
71) Bromoform	9.96	173	54536	53.521	ug/l #	99
73) Isopropylbenzene	10.16	105	328913	49.194	ug/l	100
74) N-amyl acetate	10.01	43	196216	50.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	131883	51.348	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	157074	70.596	ug/l	82
77) Bromobenzene	10.45	156	78463	50.178	ug/l	97
78) n-propylbenzene	10.58	91	400745	48.236	ug/l	100
79) 2-Chlorotoluene	10.66	91	236017	49.318	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	277696	50.176	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	157074	172.279	ug/l #	100
82) 4-Chlorotoluene	10.77	91	270711	47.736	ug/l	100
83) tert-Butylbenzene	11.10	119	265153	49.705	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	283401	49.687	ug/l	99
85) sec-Butylbenzene	11.32	105	337681	49.274	ug/l	100
86) p-Isopropyltoluene	11.48	119	286737	49.255	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	140310	47.520	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	142441	46.628	ug/l	99
89) n-Butylbenzene	11.89	91	280999	47.695	ug/l	99
90) Hexachloroethane	12.14	117	43034	48.908	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	143877	48.714	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29351	52.785	ug/l	93

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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

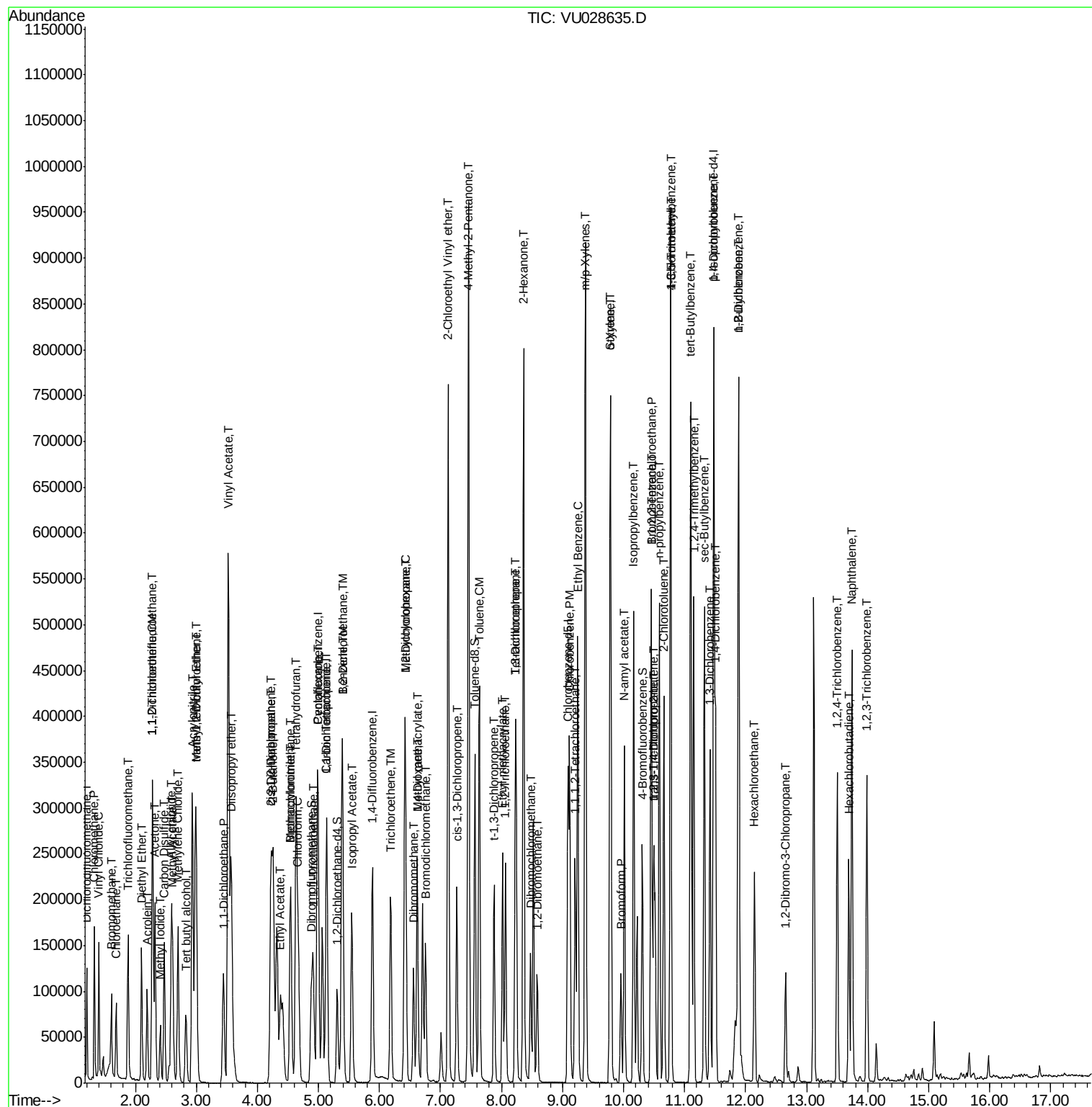
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	96905	47.786	ug/l	100
94) Hexachlorobutadiene	13.69	225	44346	45.837	ug/l	97
95) Naphthalene	13.74	128	353267	49.846	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	101890	50.442	ug/l	99

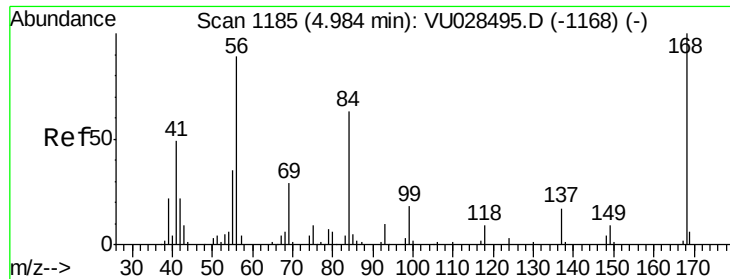
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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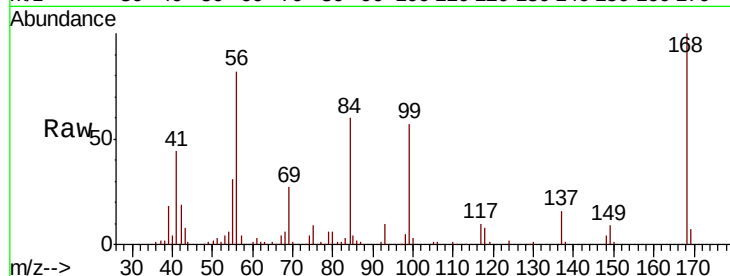




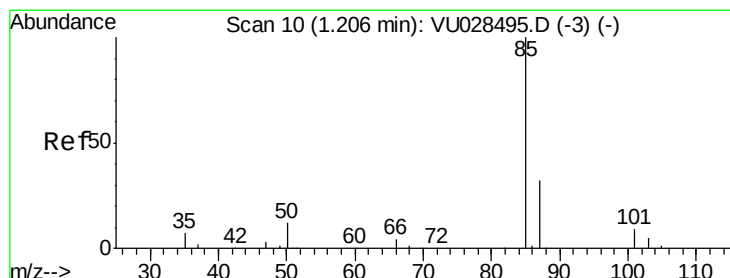
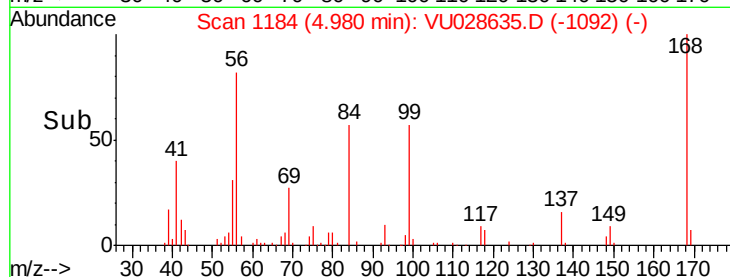
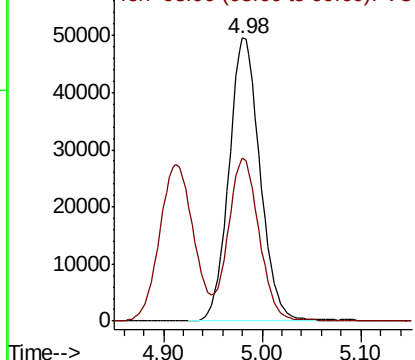
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

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ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 108892
Ion Ratio Lower Upper
168 100
99 57.3 46.6 69.8

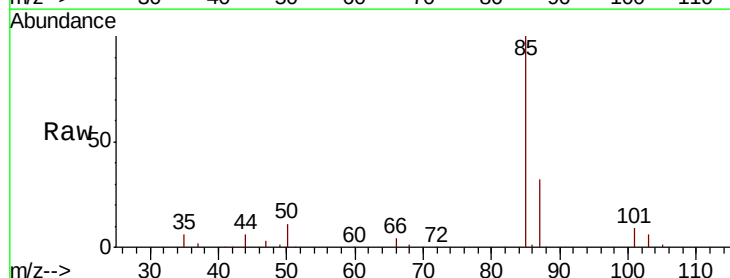


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)
Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

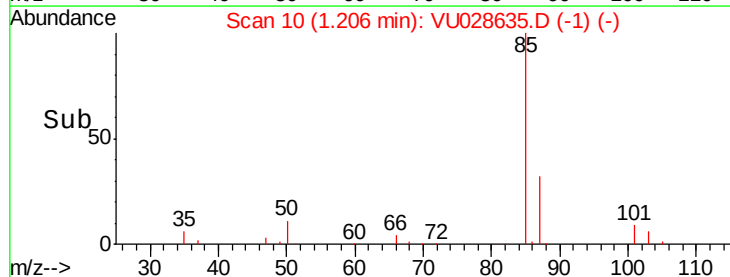
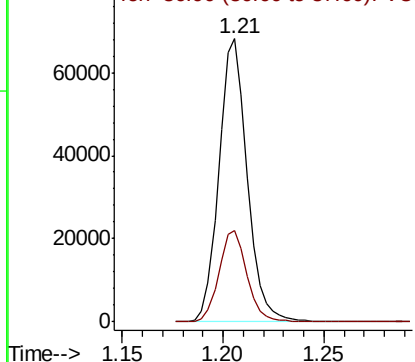


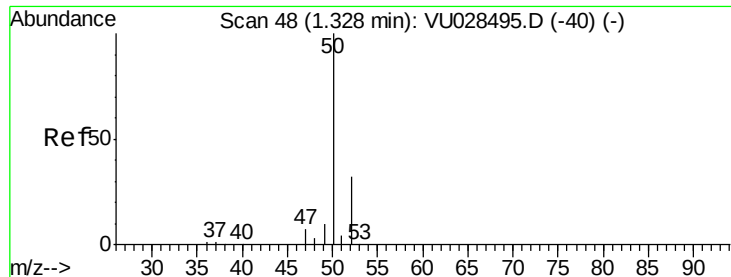
#2
Dichlorodifluoromethane
Concen: 45.439 ug/l
RT: 1.21 min Scan# 10
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 85 Resp: 66321
Ion Ratio Lower Upper
85 100
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)
Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 41.237 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

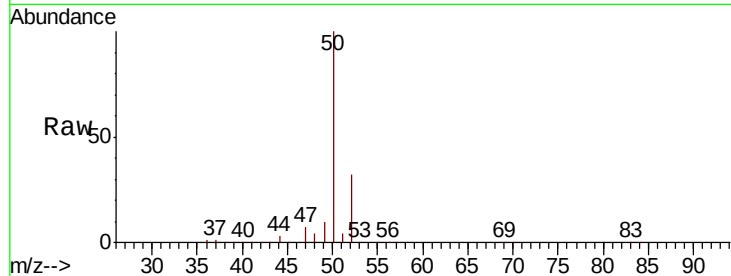
VSTDCCC050EC

Tot Ion: 50 Resp: 110653

Ion Ratio Lower Upper

50 100

52 32.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

120000

100000

80000

60000

40000

20000

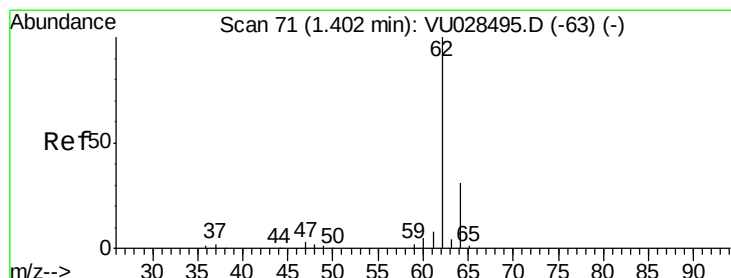
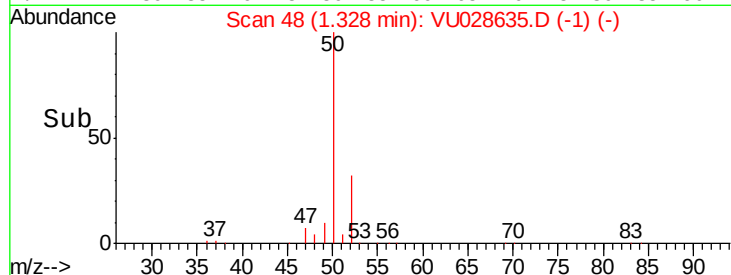
0

1.33

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 46.542 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028635.D

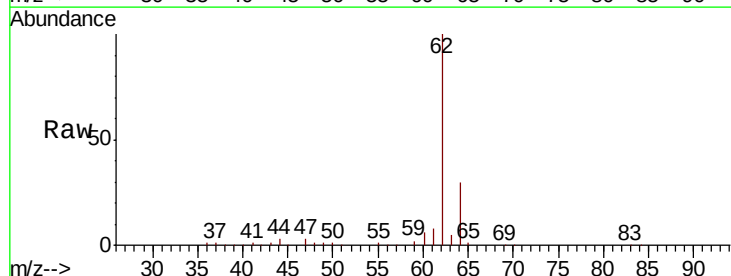
Acq: 12 Dec 2018 02:30

Tgt Ion: 62 Resp: 90128

Ion Ratio Lower Upper

62 100

64 29.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

100000

80000

60000

40000

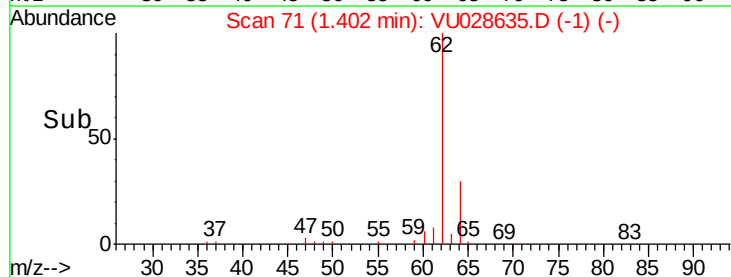
20000

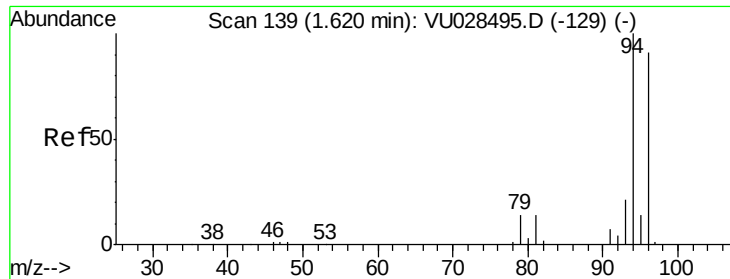
0

1.40

1.45

Time-->





#5

Bromomethane

Concen: 47.422 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

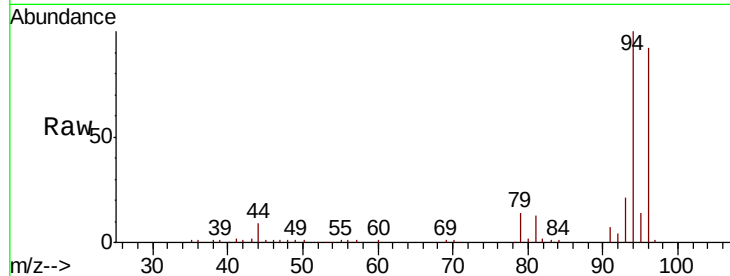
VSTDCCC050EC

Tot Ion: 94 Resp: 36992

Ion Ratio Lower Upper

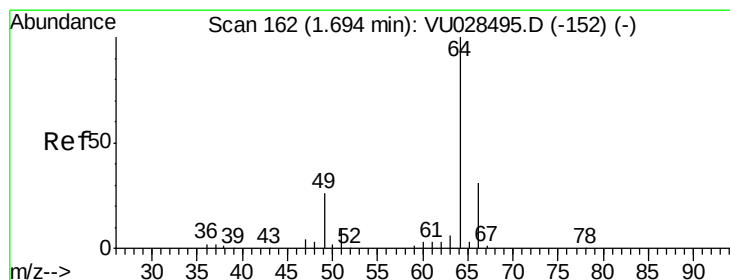
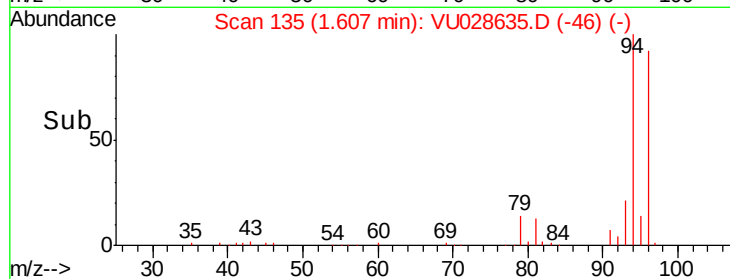
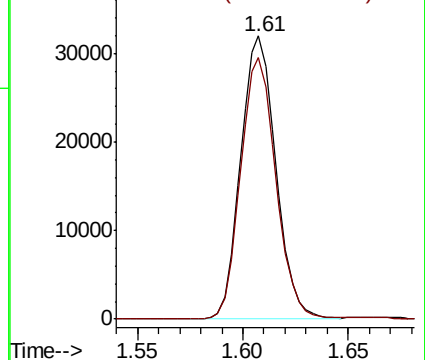
94 100

96 92.4 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: 45.637 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028635.D

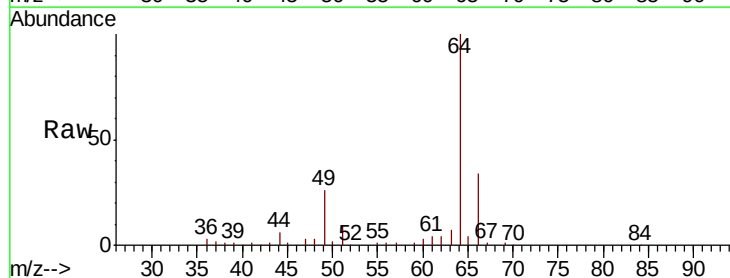
Acq: 12 Dec 2018 02:30

Tgt Ion: 64 Resp: 50031

Ion Ratio Lower Upper

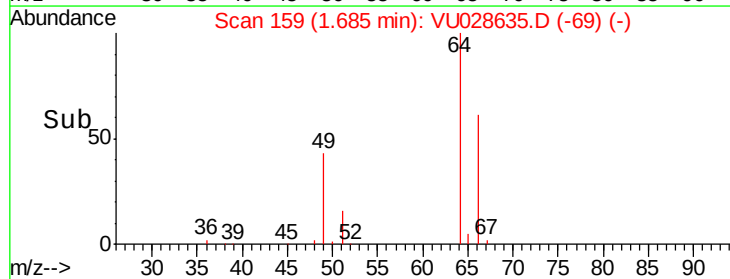
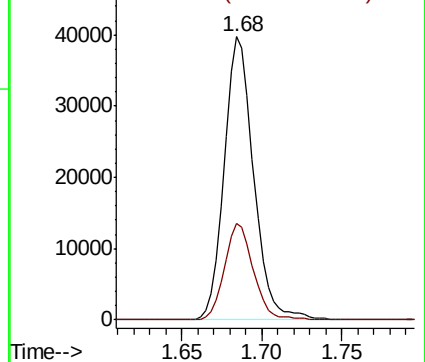
64 100

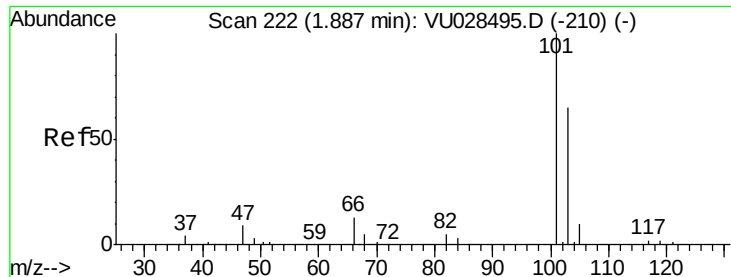
66 33.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



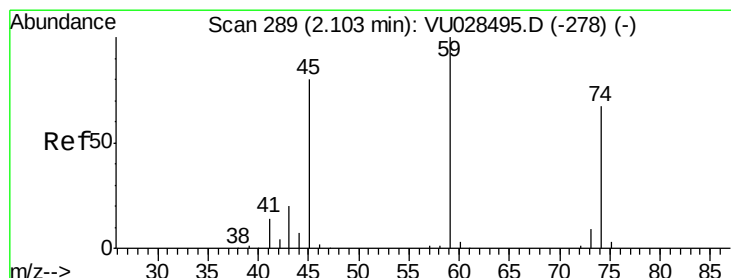
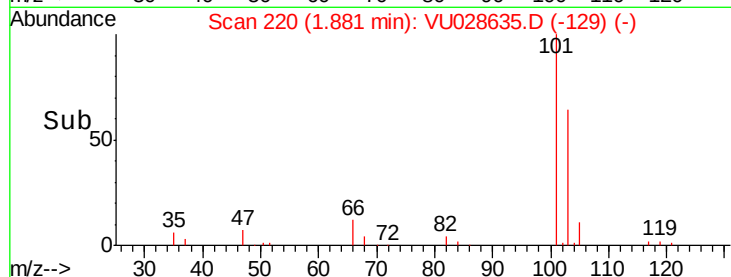
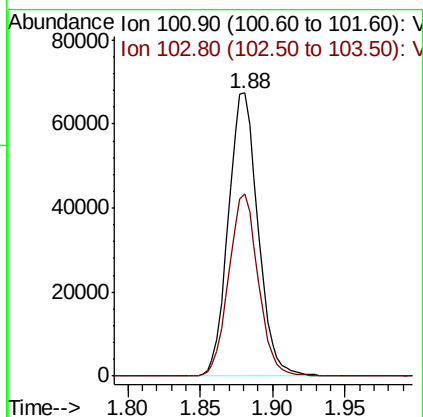
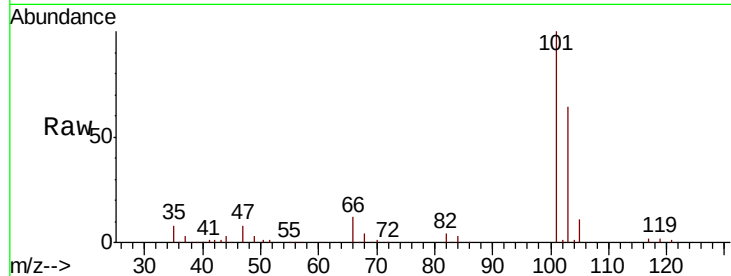


#7

Trichlorofluoromethane
 Concen: 46.953 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028635.D
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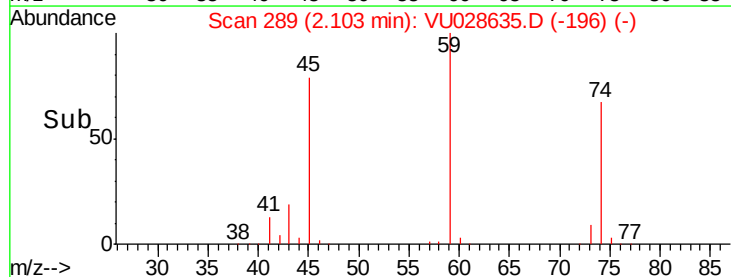
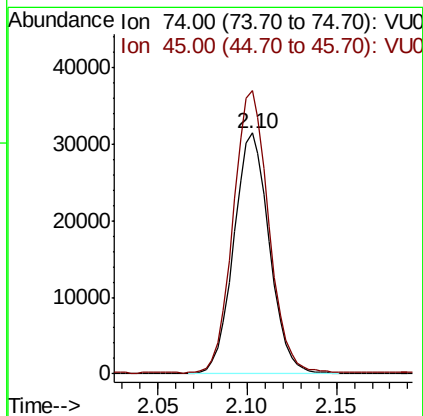
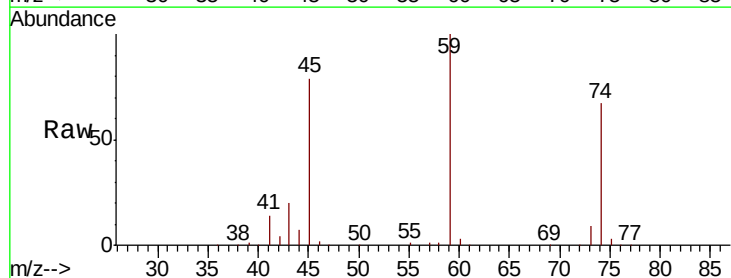
Tot Ion:101 Resp: 95662
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.3 78.5

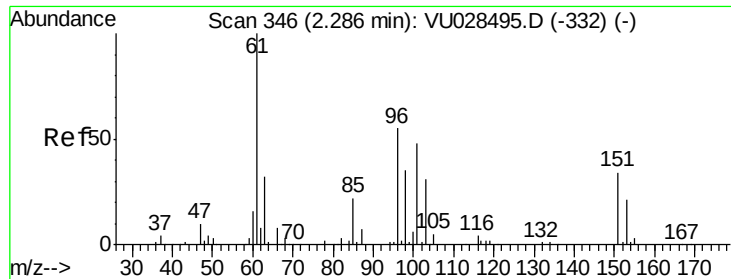


#8

Diethyl Ether
 Concen: 45.900 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 74 Resp: 43752
 Ion Ratio Lower Upper
 74 100
 45 116.6 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.782 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028635.D

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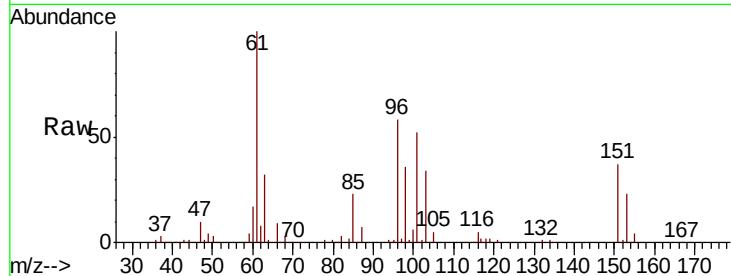
Tot Ion:101 Resp: 58223

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

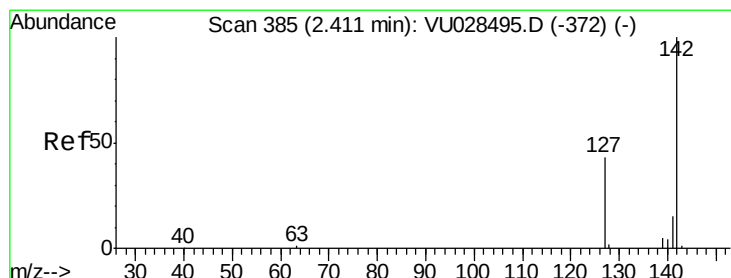
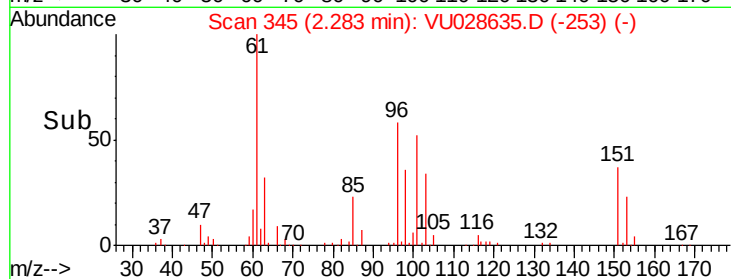
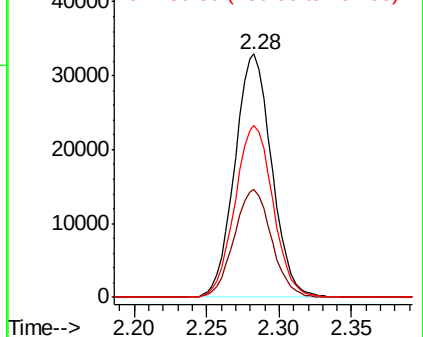
151 72.9 58.2 87.2



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: 63.924 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

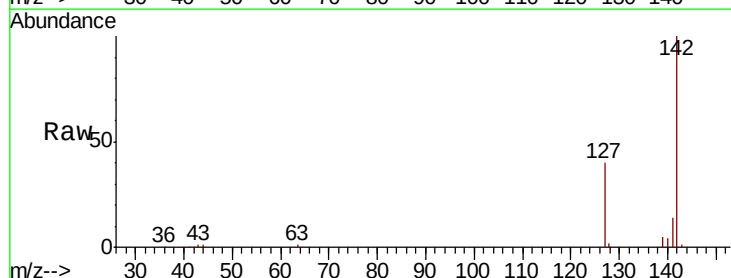
Tgt Ion:142 Resp: 61118

Ion Ratio Lower Upper

142 100

127 40.6 33.5 50.3

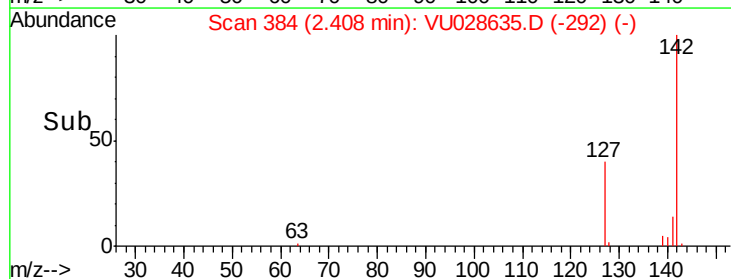
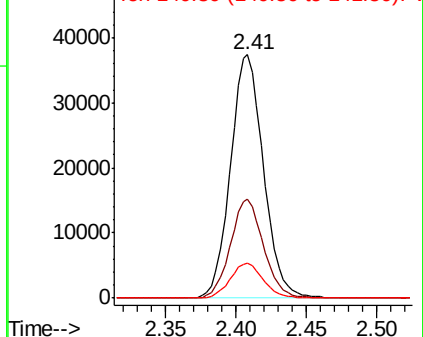
141 14.4 11.2 16.8

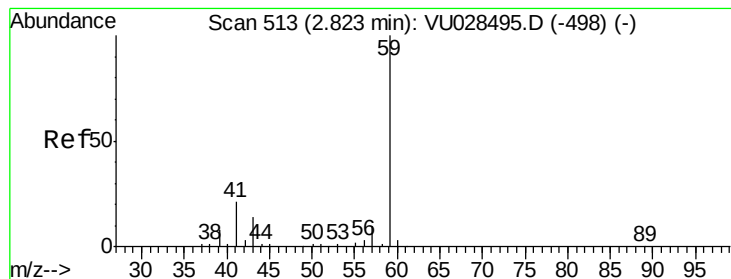


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



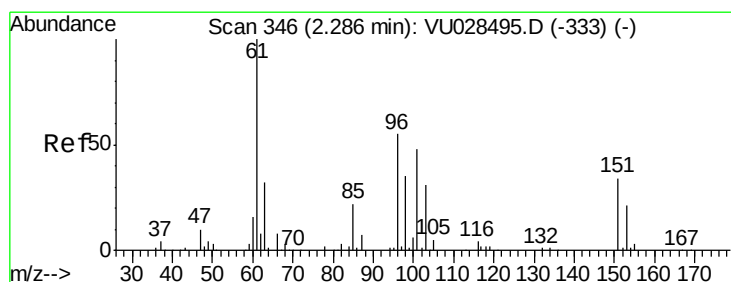
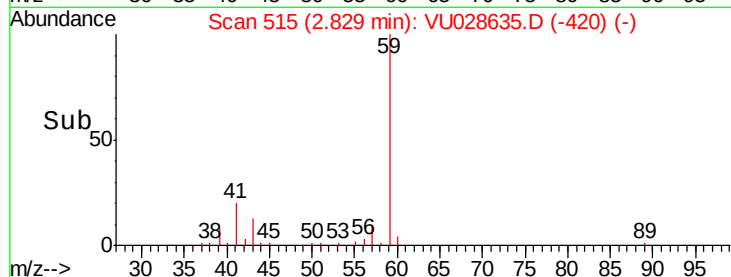
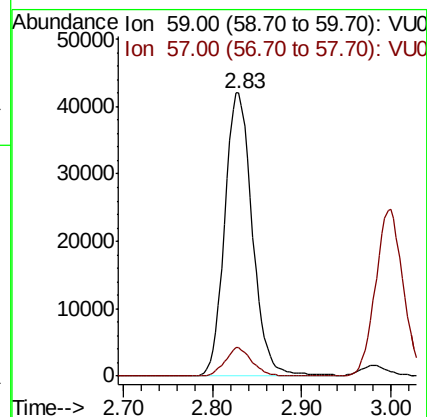
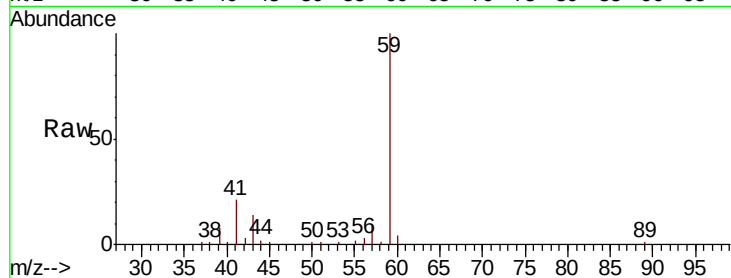


#11

Tert butyl alcohol
 Concen: 243.975 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

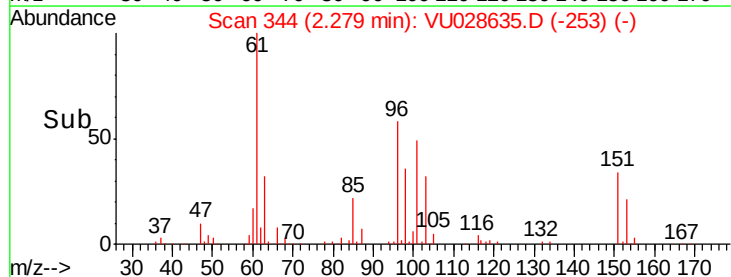
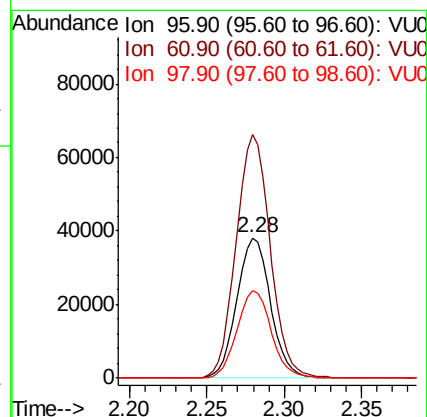
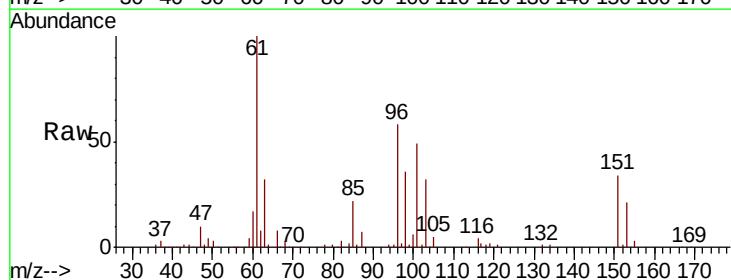
Tot Ion: 59 Resp: 90328
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

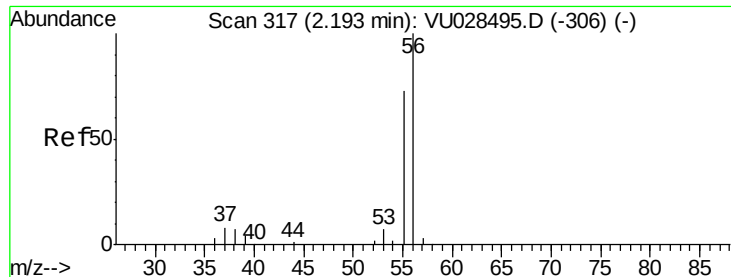


#12

1,1-Dichloroethene
 Concen: 47.451 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 96 Resp: 57529
 Ion Ratio Lower Upper
 96 100
 61 173.9 146.4 219.6
 98 62.3 51.8 77.8

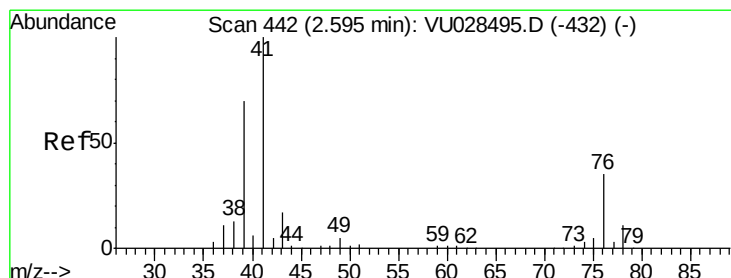
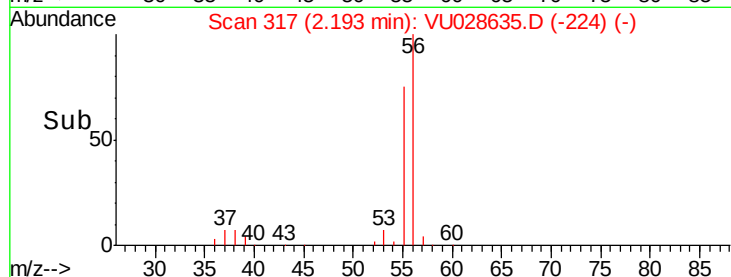
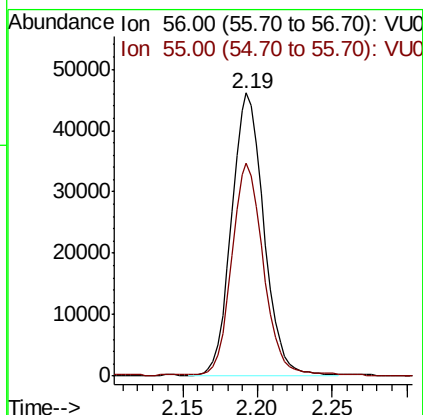
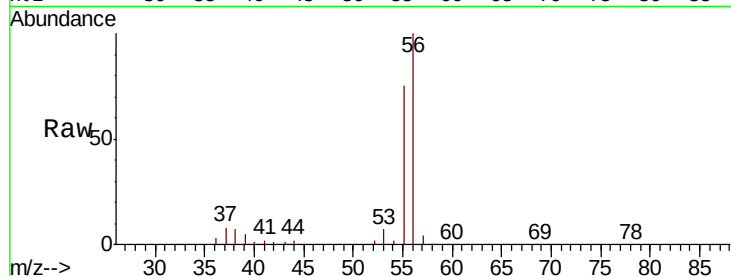




#13
Acrolein
Concen: 233.158 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

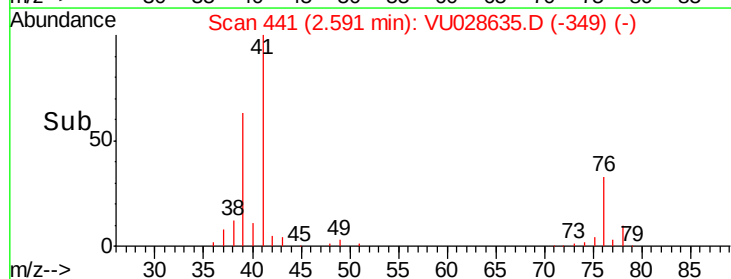
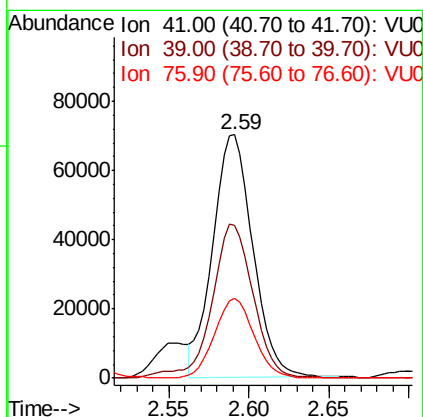
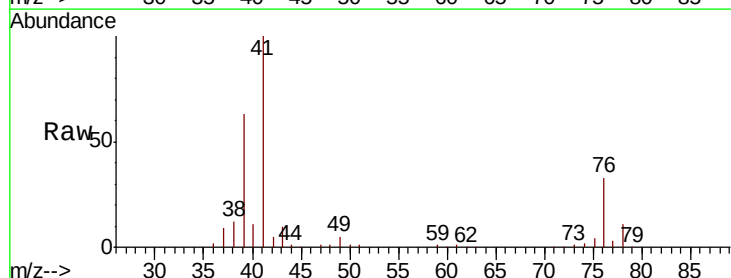
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

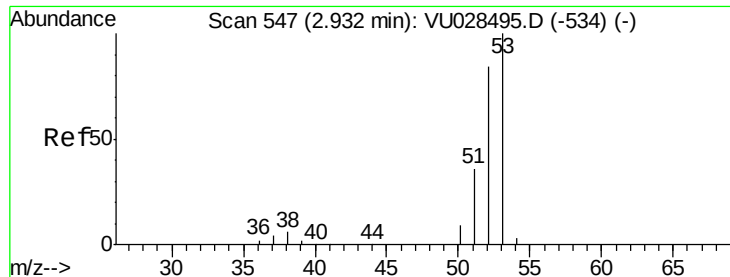
Tot Ion: 56 Resp: 68816
Ion Ratio Lower Upper
56 100
55 74.2 57.5 86.3



#14
Allyl chloride
Concen: 42.396 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 41 Resp: 121595
Ion Ratio Lower Upper
41 100
39 64.9 50.8 76.2
76 32.2 24.8 37.2





#15

Acrylonitrile

Concen: 248.929 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

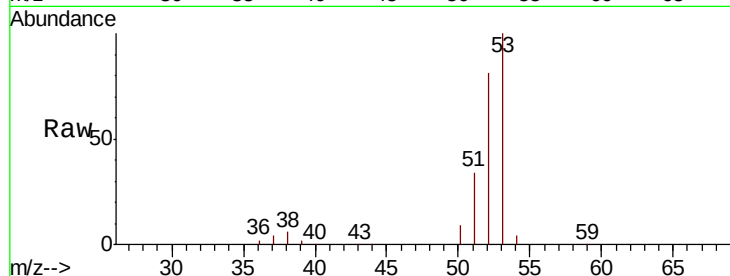
Tot Ion: 53 Resp: 255871

Ion Ratio Lower Upper

53 100

52 81.0 66.1 99.1

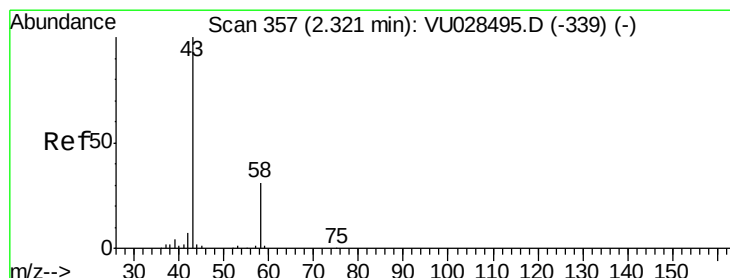
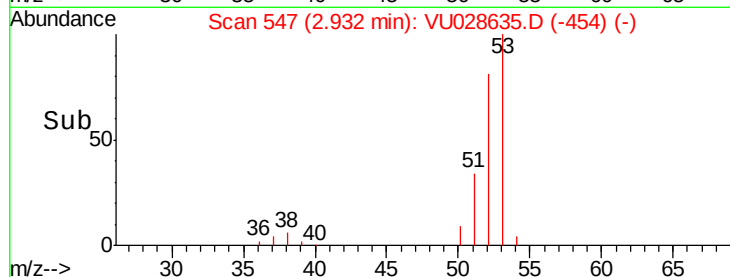
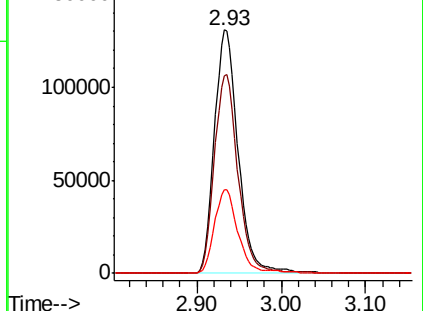
51 34.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 182.496 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028635.D

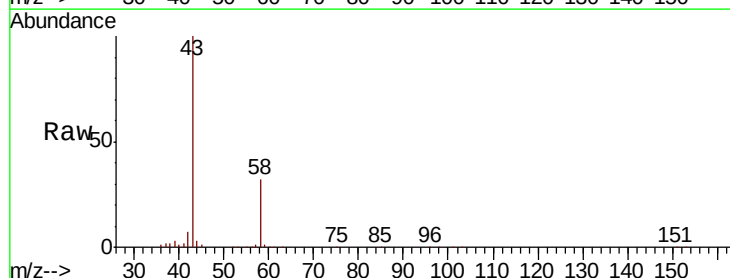
Acq: 12 Dec 2018 02:30

Tgt Ion: 43 Resp: 197894

Ion Ratio Lower Upper

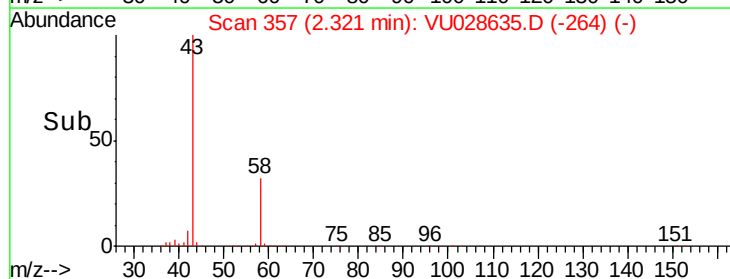
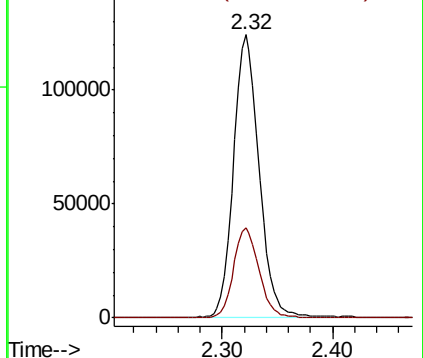
43 100

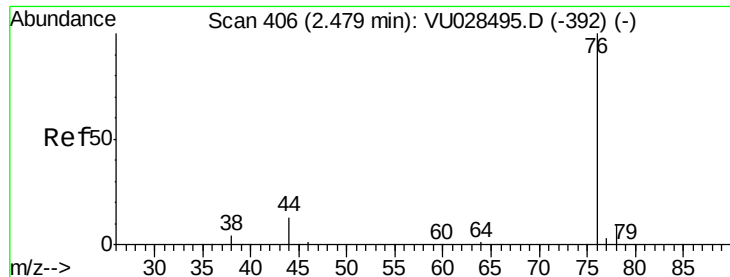
58 31.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

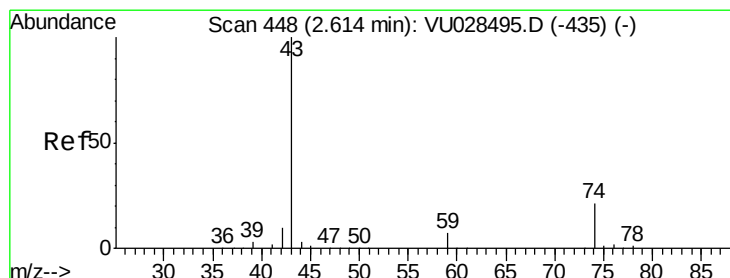
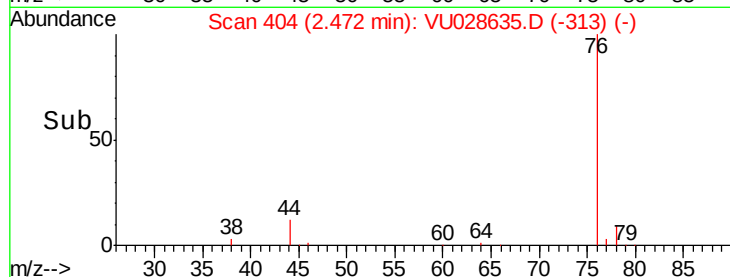
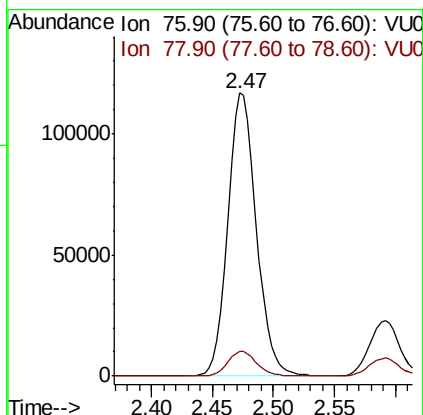
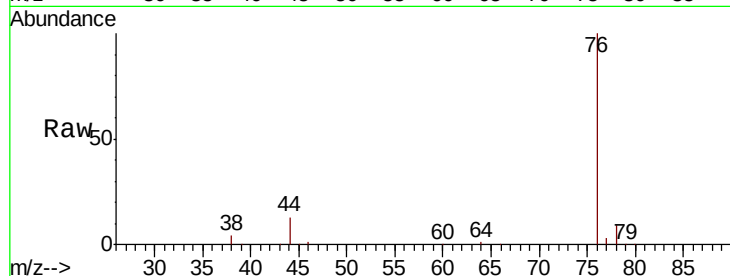




#17
Carbon Disulfide
Concen: 43.856 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

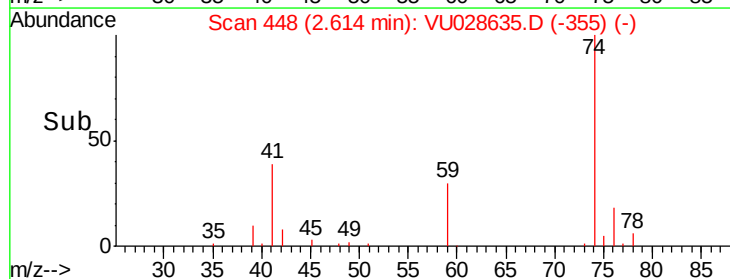
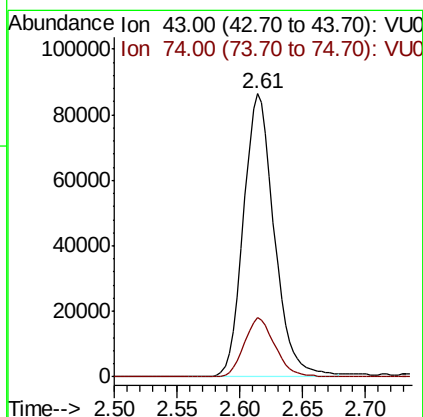
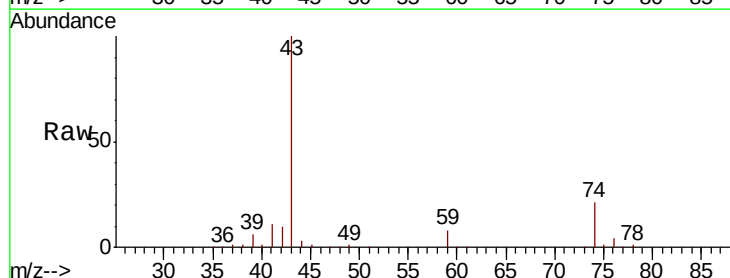
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

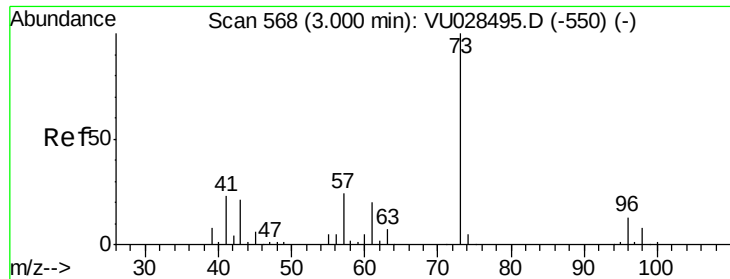
Tot Ion: 76 Resp: 191545
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 52.657 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 43 Resp: 148018
Ion Ratio Lower Upper
43 100
74 21.1 16.4 24.6

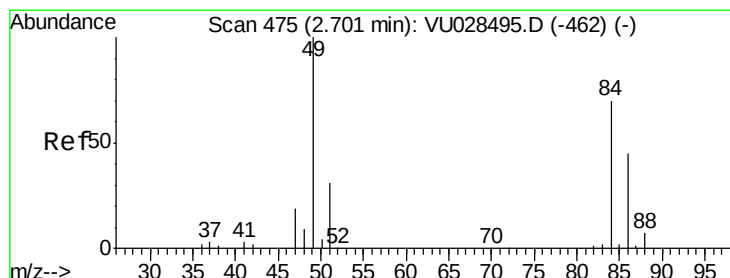
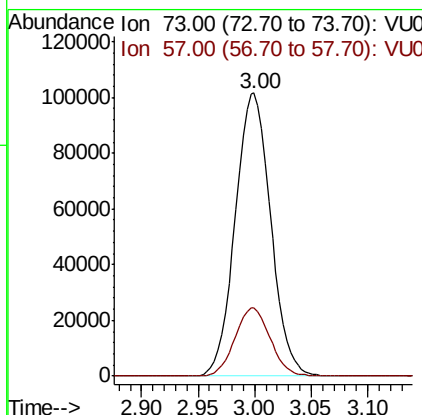
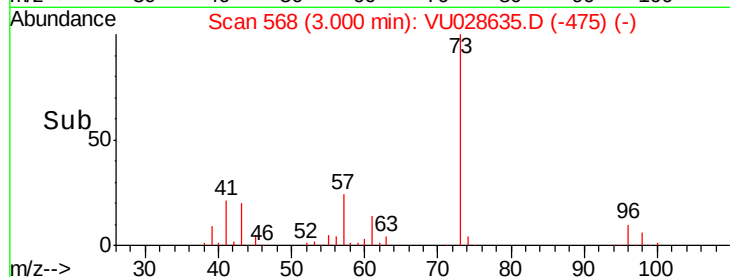
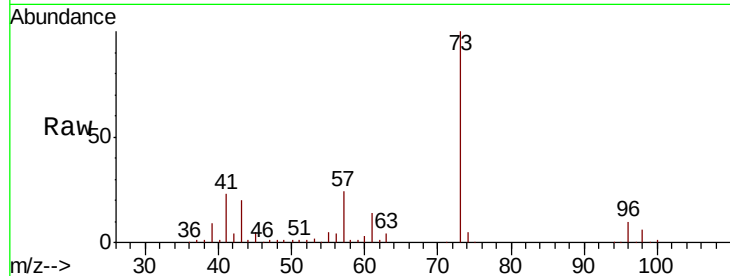




#19
Methyl tert-butyl Ether
Concen: 48.330 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

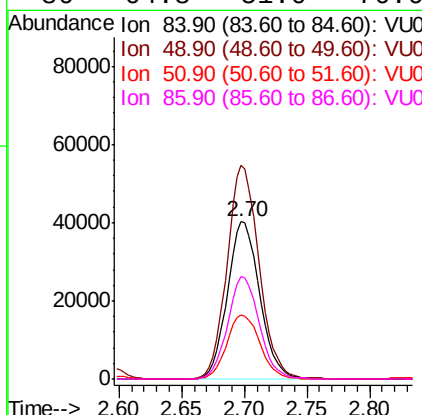
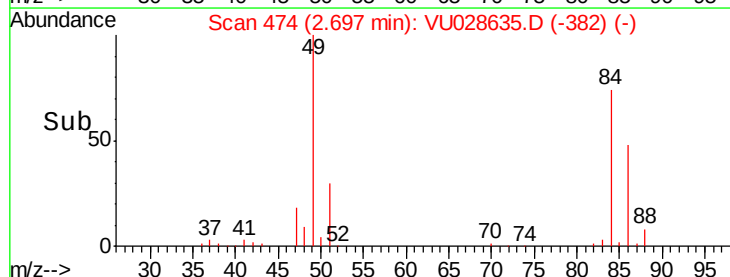
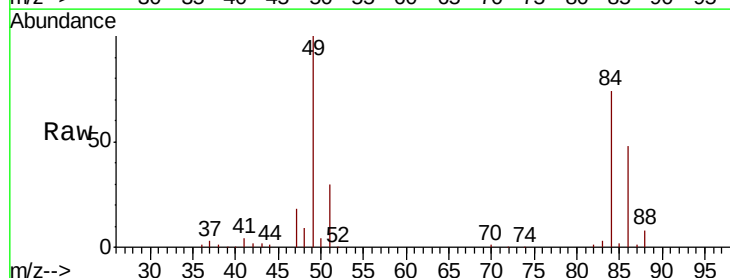
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

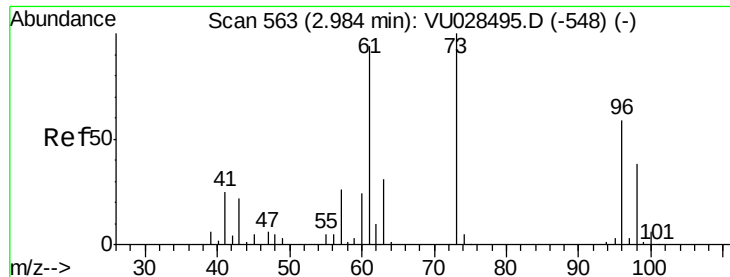
Tot Ion: 73 Resp: 222128
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.2



#20
Methylene Chloride
Concen: 45.115 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 84 Resp: 72118
Ion Ratio Lower Upper
84 100
49 135.8 114.0 171.0
51 40.7 35.1 52.7
86 64.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.198 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

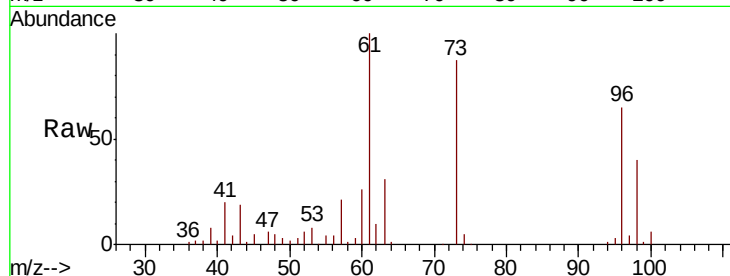
Tot Ion: 96 Resp: 64427

Ion Ratio Lower Upper

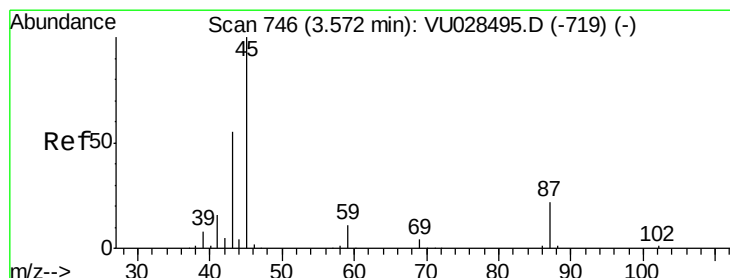
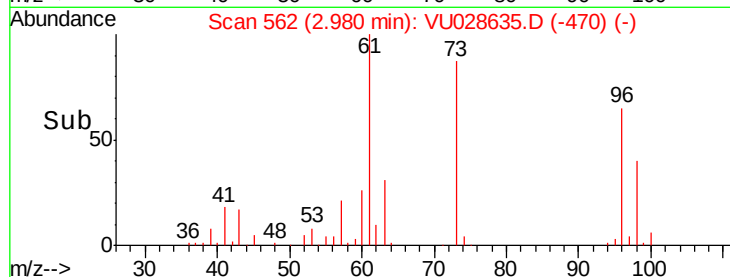
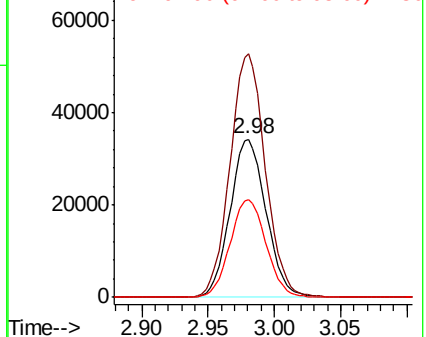
96 100

61 153.7 127.0 190.4

98 61.9 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: 47.708 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion: 45 Resp: 266088

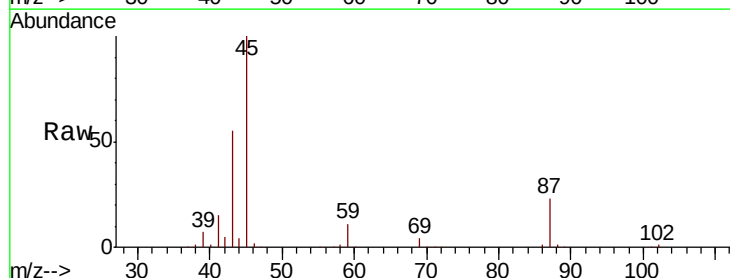
Ion Ratio Lower Upper

45 100

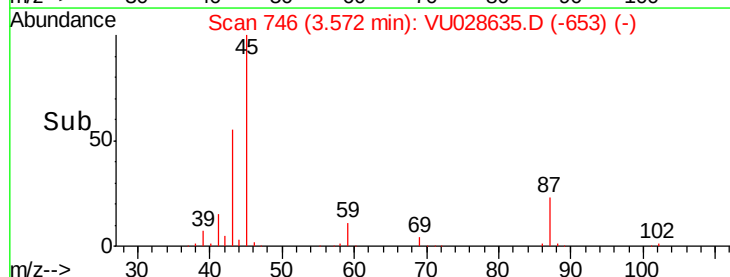
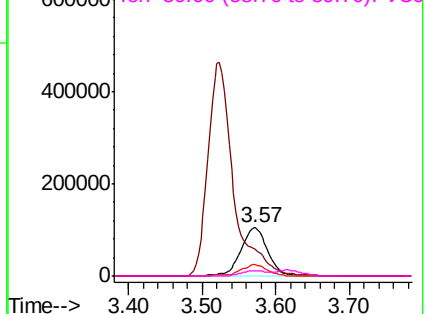
43 54.3 45.3 67.9

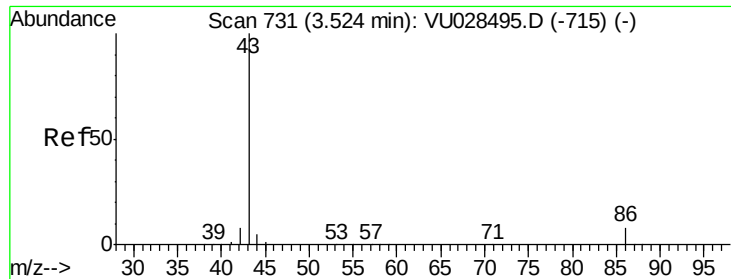
87 22.7 17.6 26.4

59 11.0 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: 242.300 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

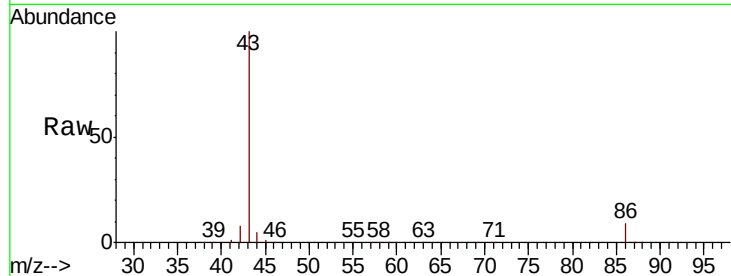
VSTDCCC050EC

Tot Ion: 43 Resp: 1114715

Ion Ratio Lower Upper

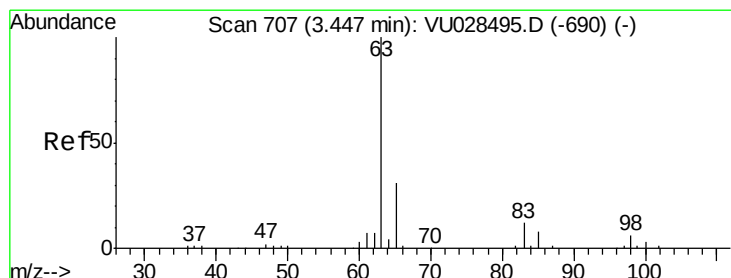
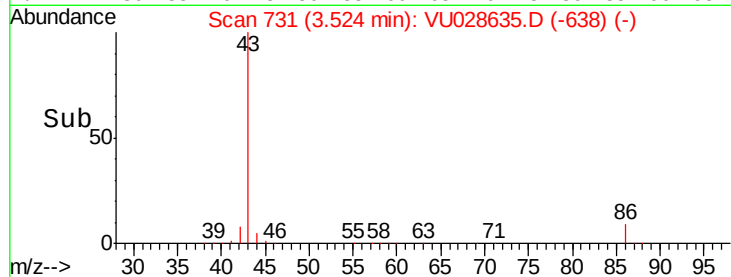
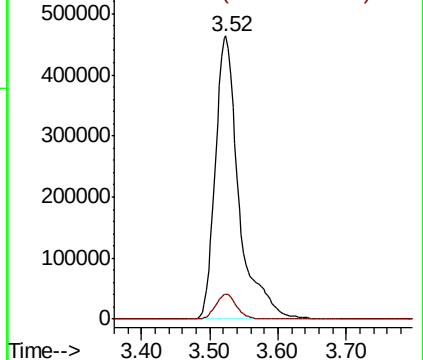
43 100

86 8.9 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: 46.385 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

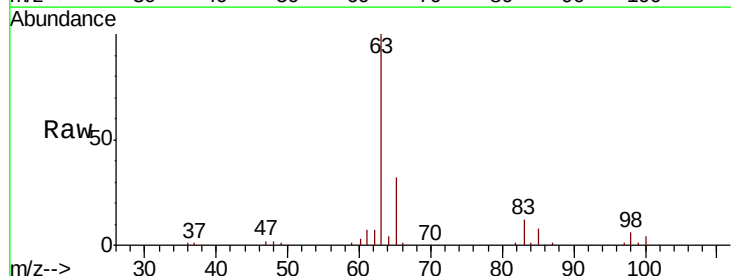
Tgt Ion: 63 Resp: 135424

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

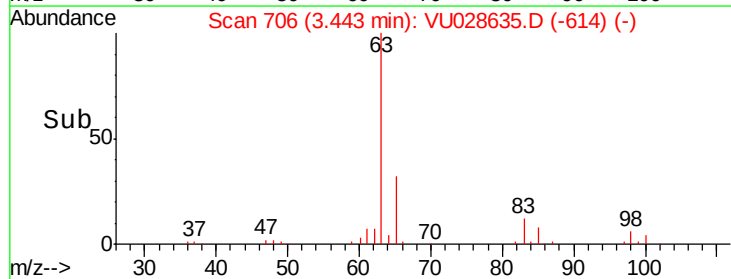
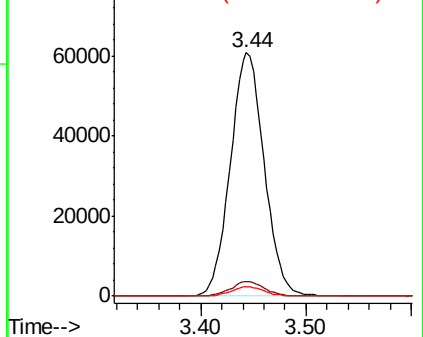
100 3.7 1.7 5.1

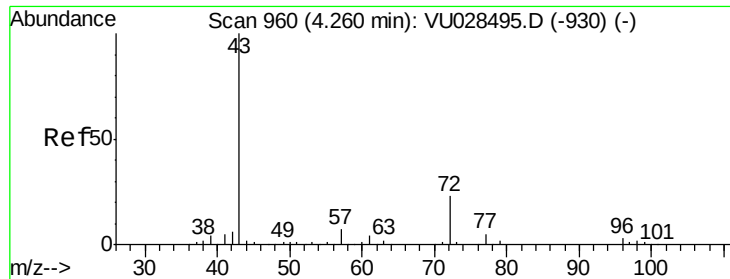


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 233.337 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

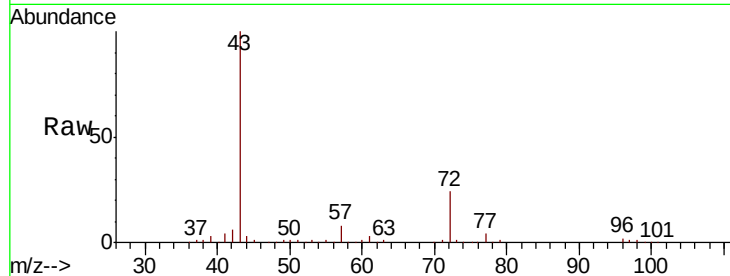
VSTDCCC050EC

Tot Ion: 43 Resp: 345784

Ion Ratio Lower Upper

43 100

72 23.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

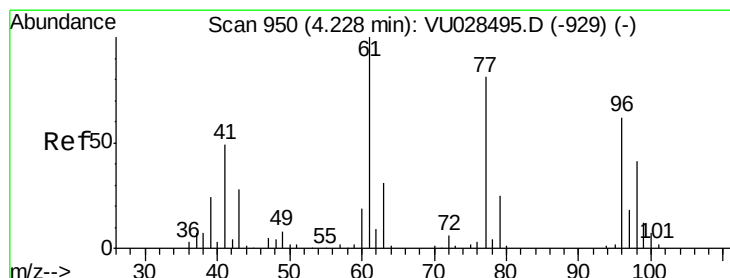
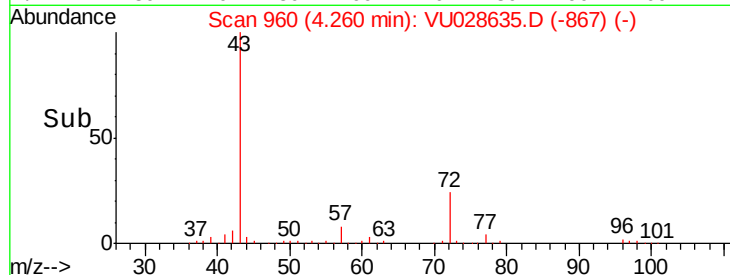
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 38.946 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028635.D

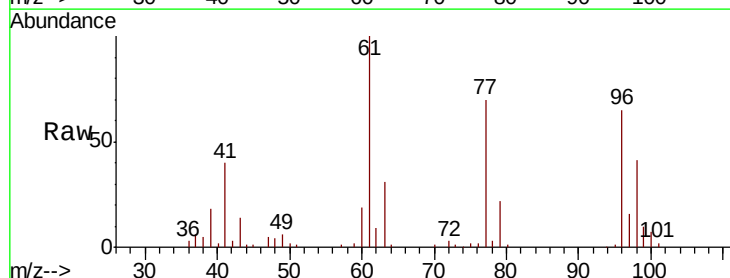
Acq: 12 Dec 2018 02:30

Tgt Ion: 77 Resp: 90095

Ion Ratio Lower Upper

77 100

97 23.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

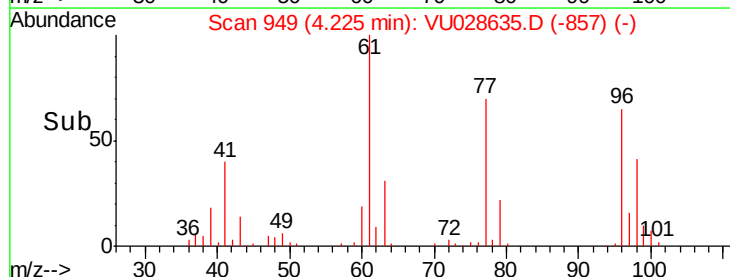
20000

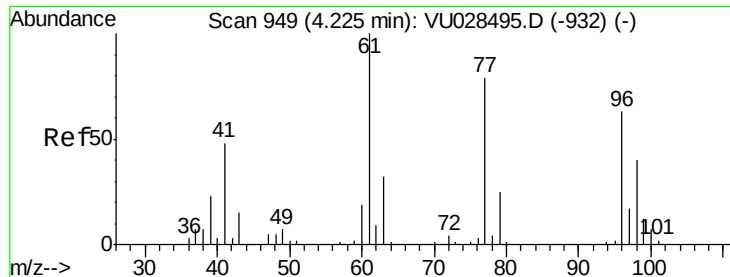
10000

0

4.10 4.20 4.30

Time-->



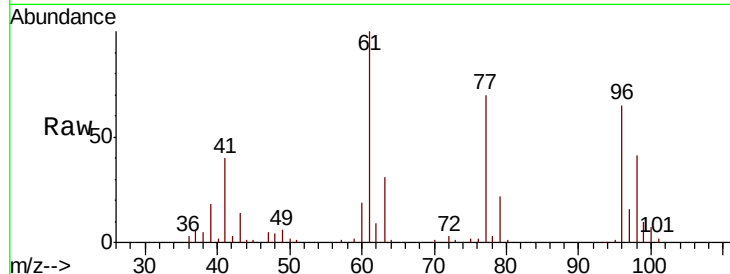


#27

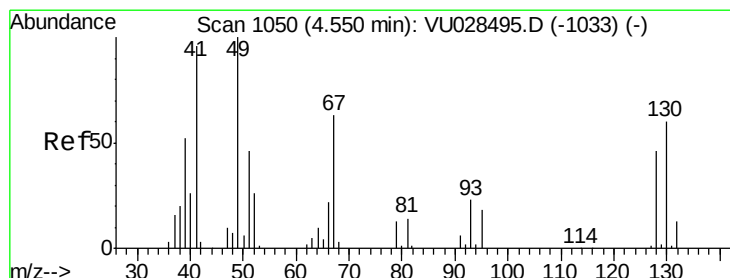
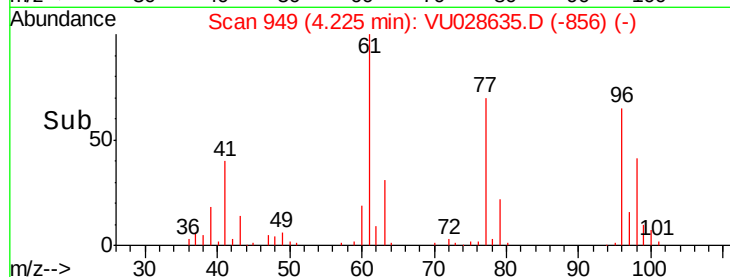
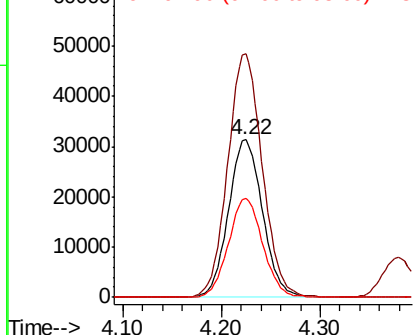
cis-1,2-Dichloroethene
 Concen: 48.890 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 75536
 Ion Ratio Lower Upper
 96 100
 61 156.6 0.0 332.4
 98 62.9 0.0 129.0



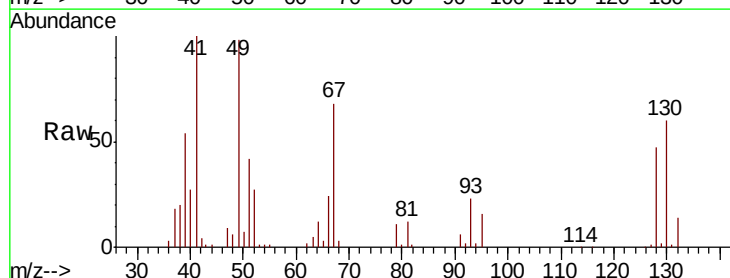
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



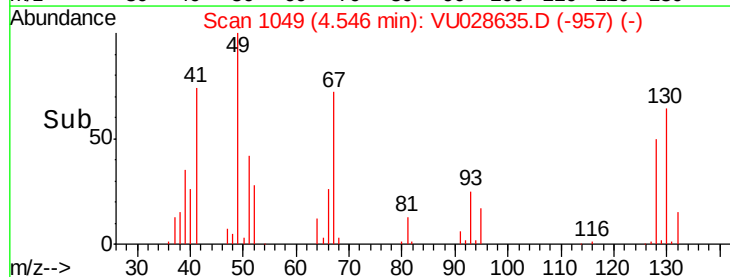
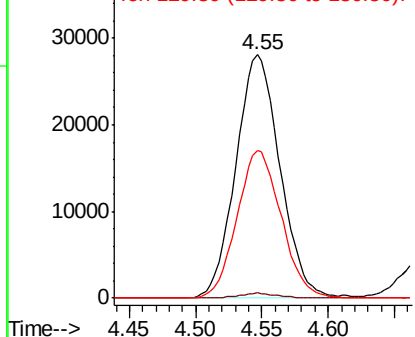
#28

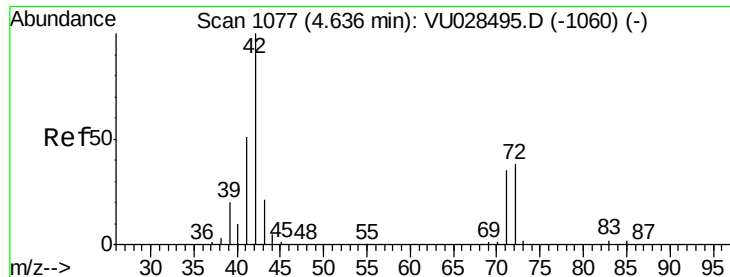
Bromochloromethane
 Concen: 48.927 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 49 Resp: 64938
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.0
 130 60.7 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: 250.329 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

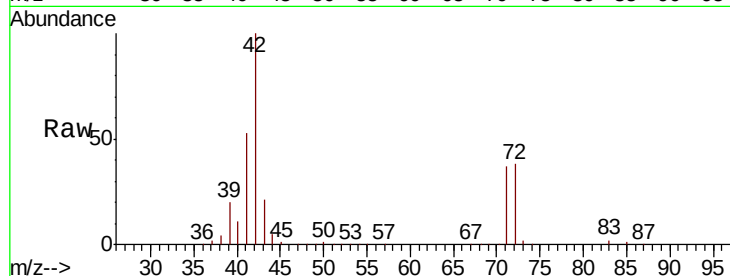
Tot Ion: 42 Resp: 238248

Ion Ratio Lower Upper

42 100

72 39.5 31.4 47.0

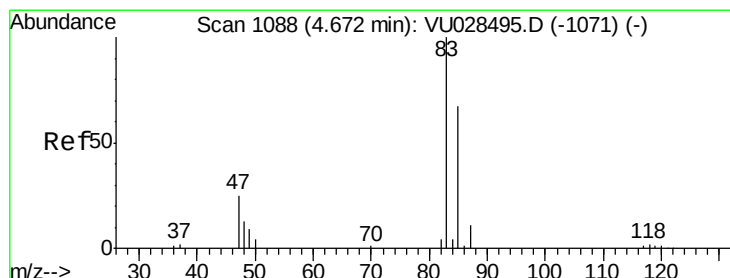
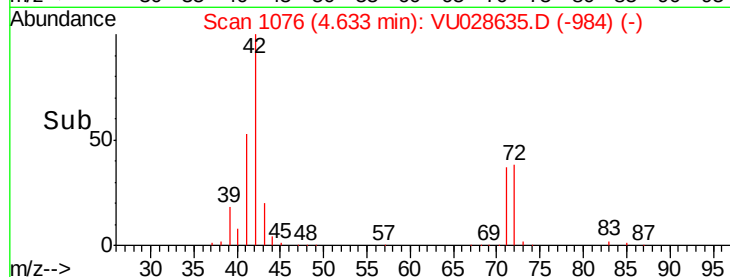
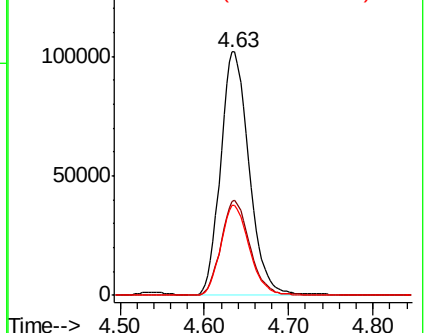
71 37.3 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 48.734 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028635.D

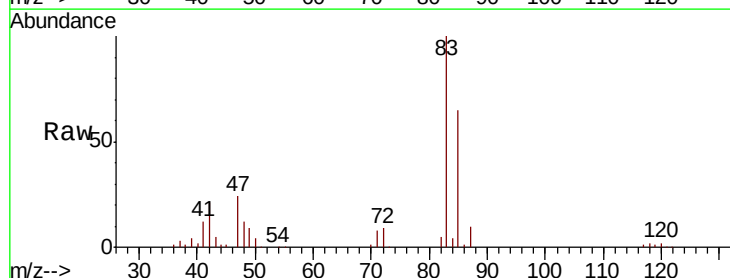
Acq: 12 Dec 2018 02:30

Tgt Ion: 83 Resp: 124008

Ion Ratio Lower Upper

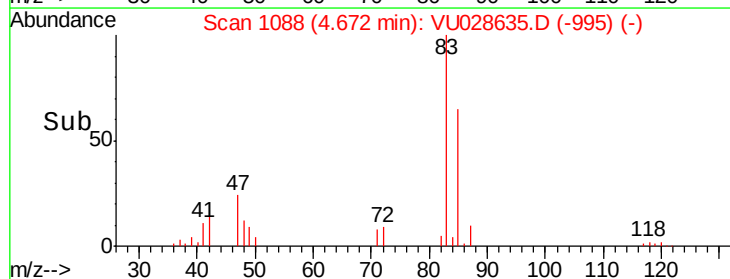
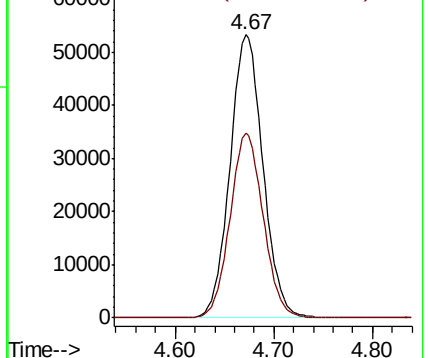
83 100

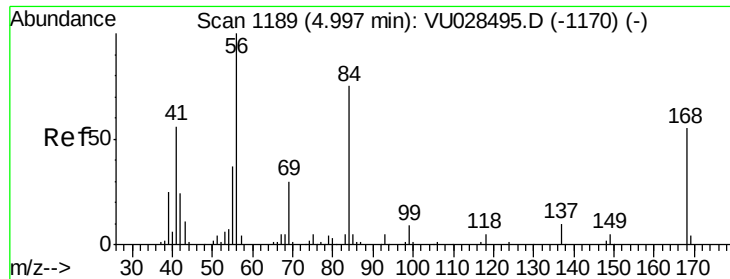
85 65.4 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

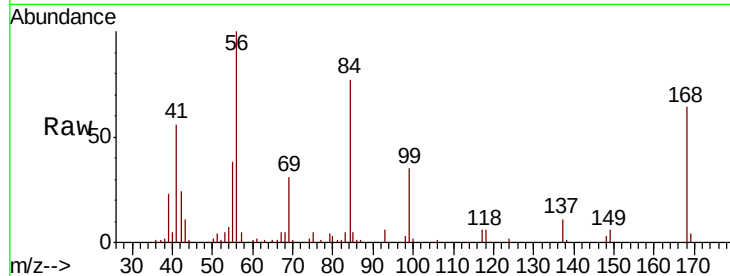




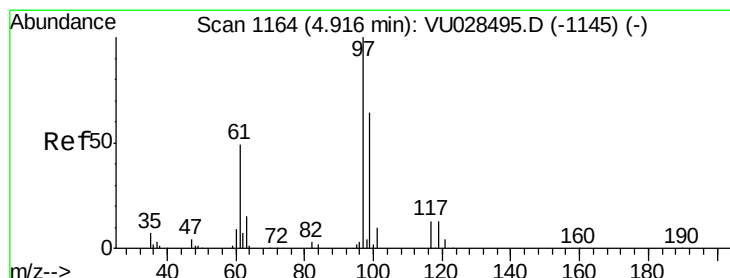
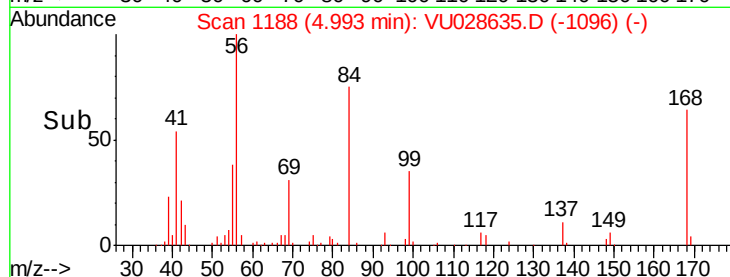
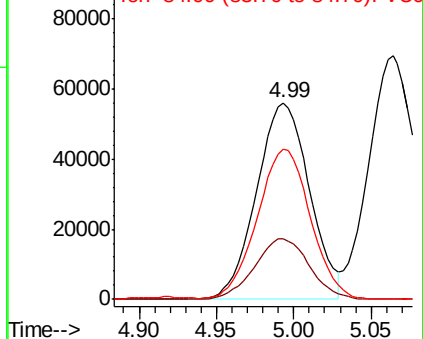
#31
Cyclohexane
Concen: 46.796 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 133544
Ion Ratio Lower Upper
56 100
69 30.7 24.0 36.0
84 76.0 59.7 89.5

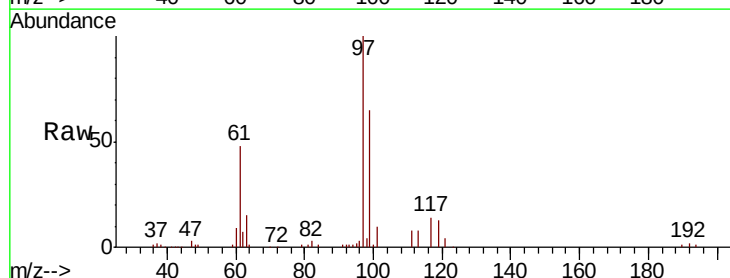


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

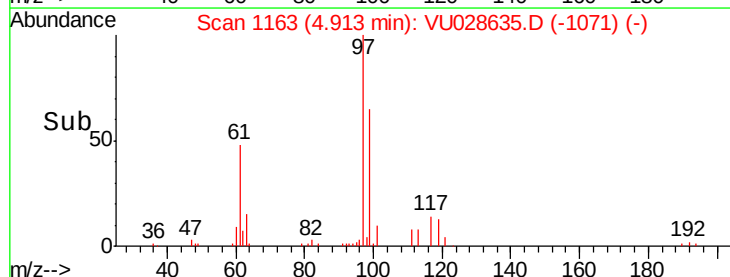
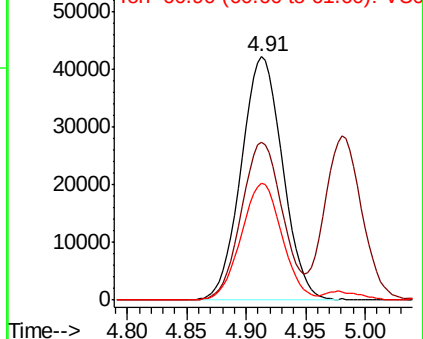


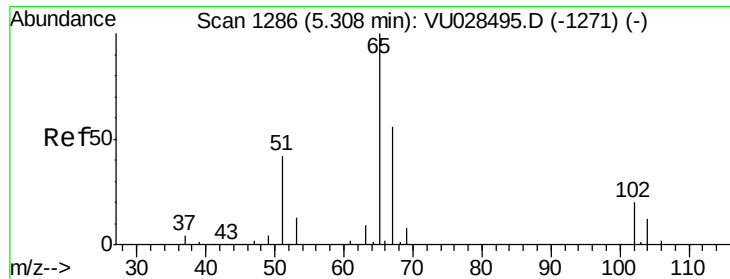
#32
1,1,1-Trichloroethane
Concen: 48.183 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 97 Resp: 101828
Ion Ratio Lower Upper
97 100
99 64.5 52.3 78.5
61 47.6 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

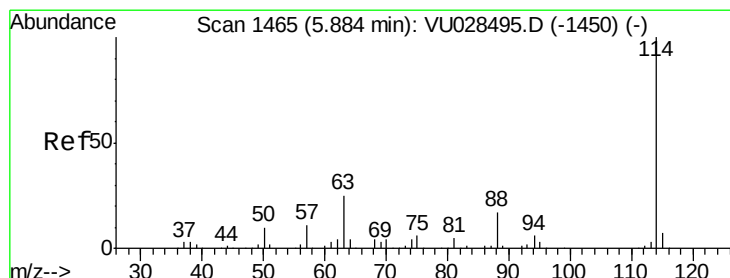
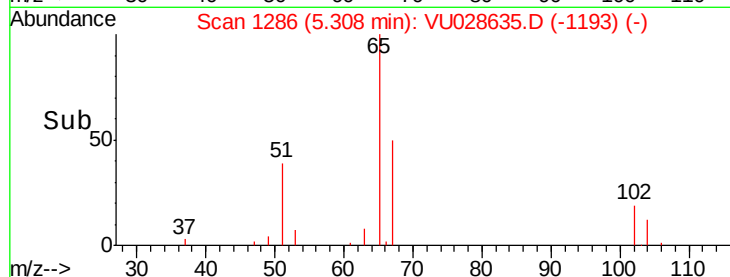
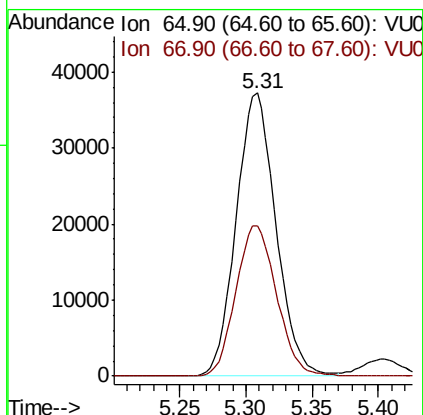
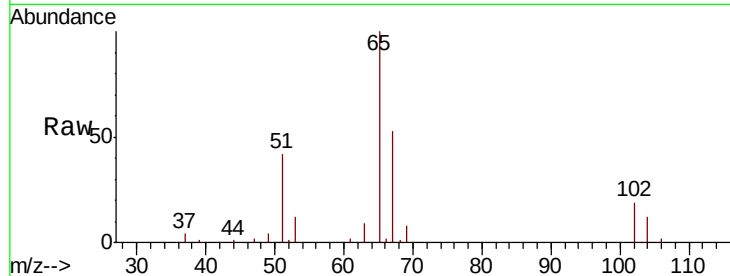




#33
 1,2-Dichloroethane-d4
 Concen: 46.782 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

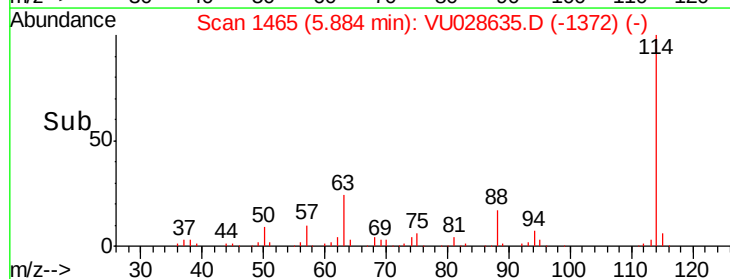
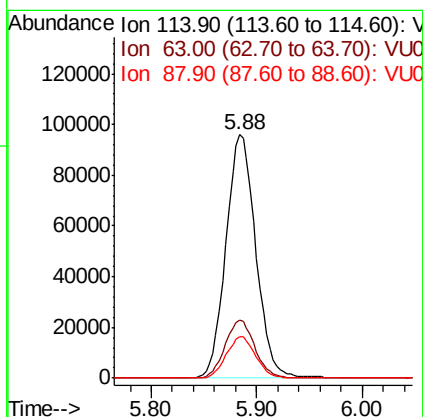
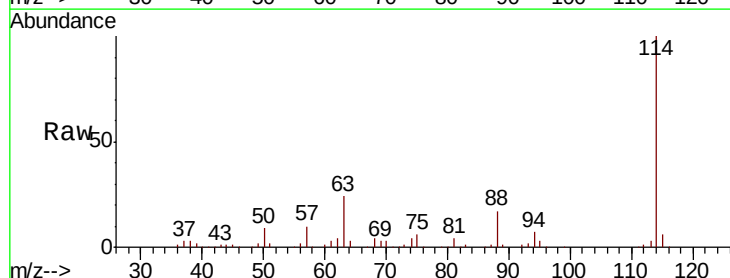
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

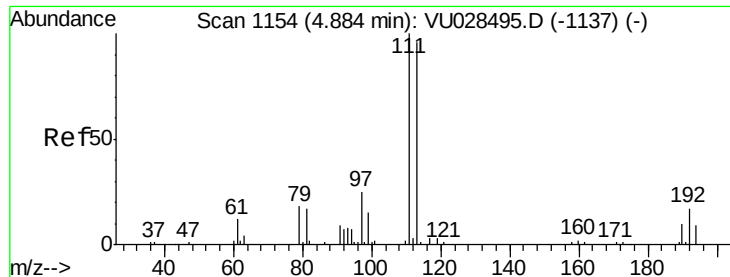
Tot Ion: 65 Resp: 77741
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 114 Resp: 187971
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.083 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

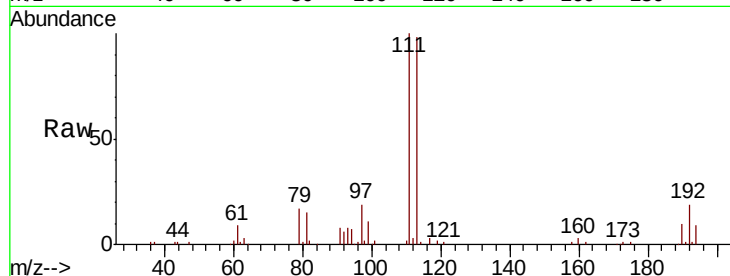
Tot Ion:113 Resp: 59244

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

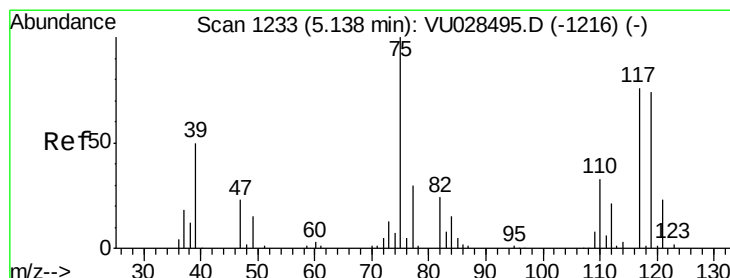
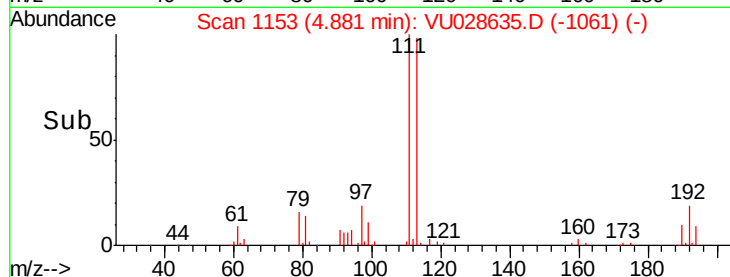
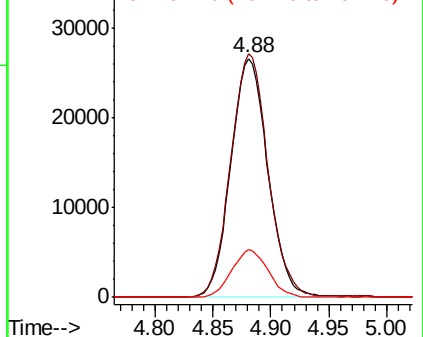
192 19.4 14.8 22.2



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: 46.917 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

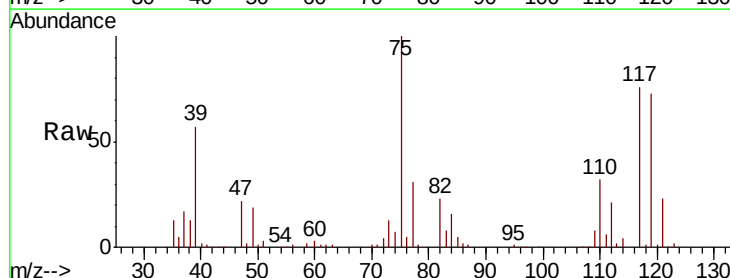
Tgt Ion: 75 Resp: 96506

Ion Ratio Lower Upper

75 100

110 32.6 16.1 48.2

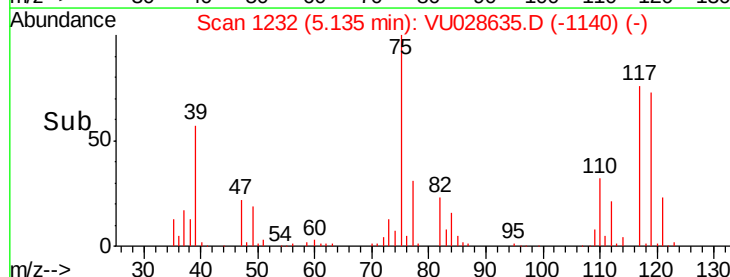
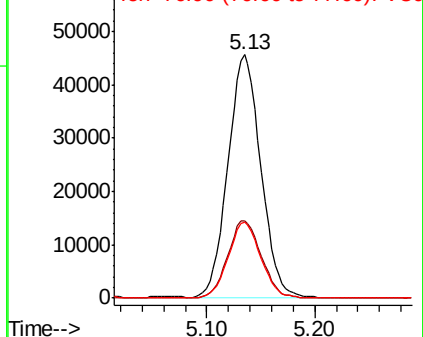
77 31.1 24.5 36.7

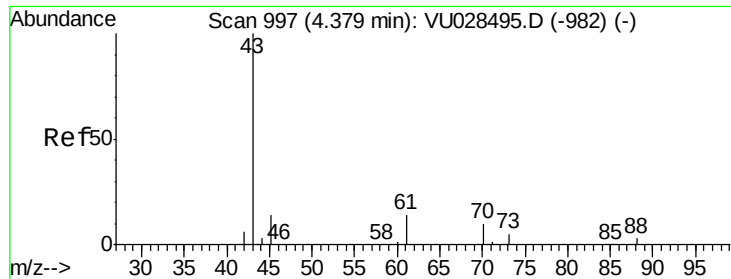


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 50.106 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

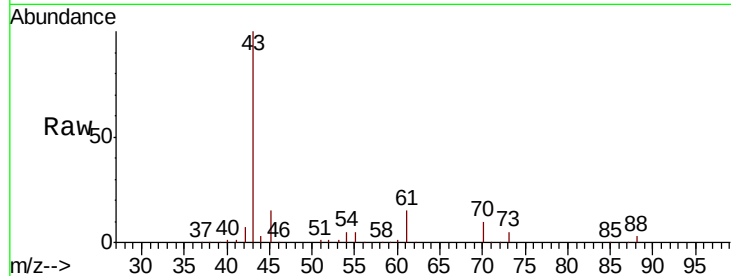
Tot Ion: 43 Resp: 133232

Ion Ratio Lower Upper

43 100

61 13.9 11.0 16.4

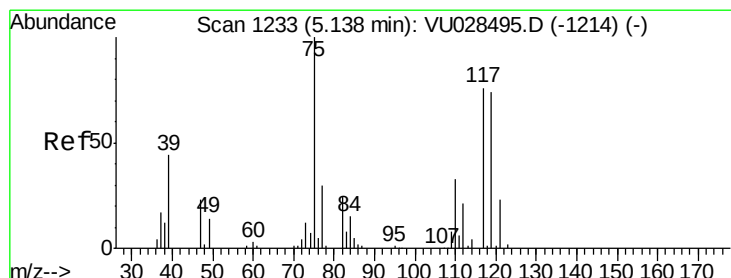
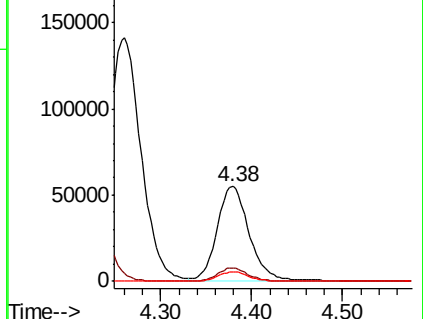
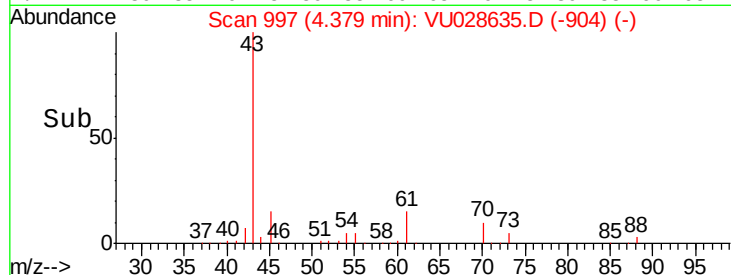
70 9.8 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028635.D (-904) (-)

Ion 60.90 (60.60 to 61.60): VU028635.D (-904) (-)

Ion 70.00 (69.70 to 70.70): VU028635.D (-904) (-)



#38

Carbon Tetrachloride

Concen: 49.081 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

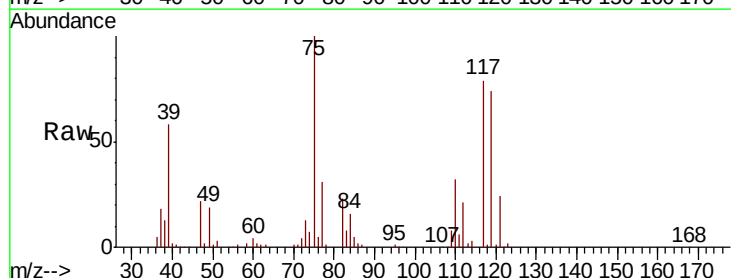
Tgt Ion: 117 Resp: 81371

Ion Ratio Lower Upper

117 100

119 94.4 77.6 116.4

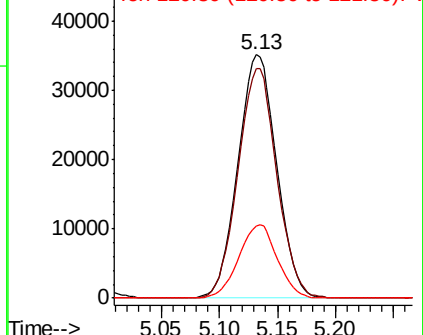
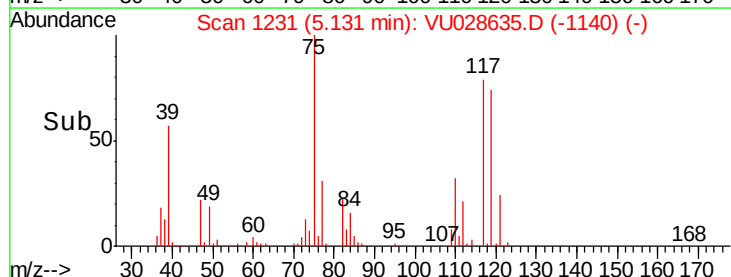
121 29.8 24.6 36.8

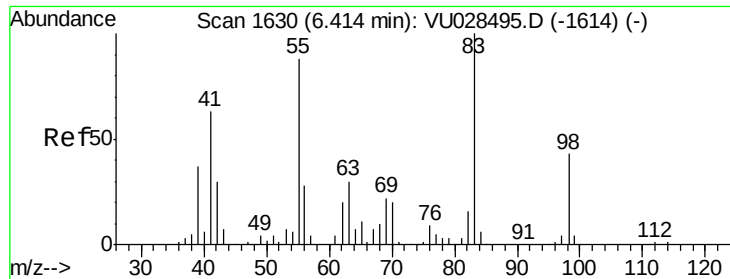


Abundance Ion 116.80 (116.50 to 117.50): VU028635.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028635.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028635.D (-1140) (-)

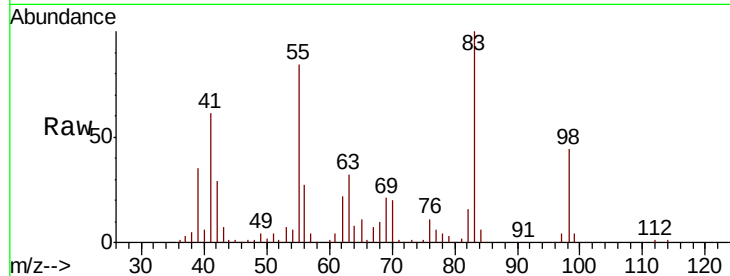




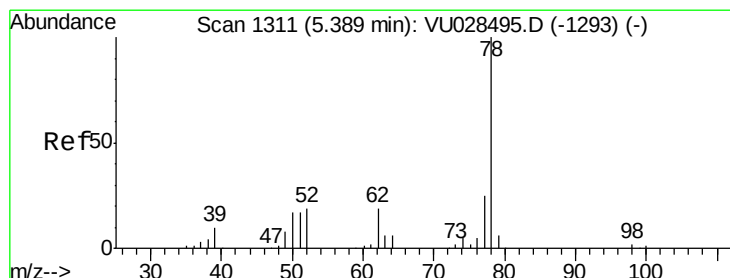
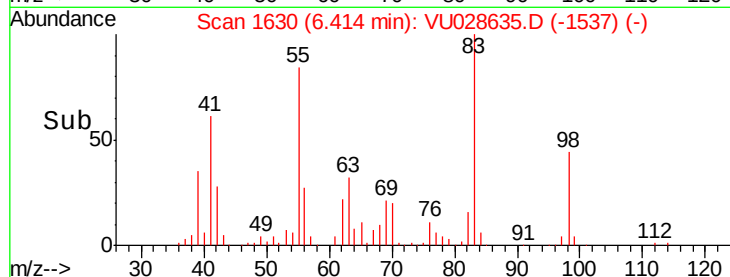
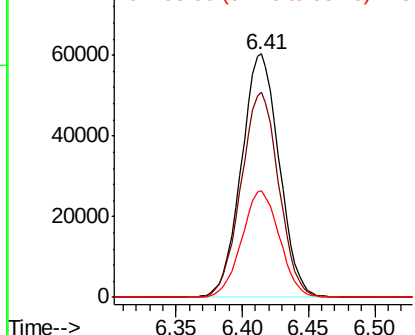
#39
Methylvlcyclohexane
Concen: 47.673 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 119632
Ion Ratio Lower Upper
83 100
55 84.3 70.2 105.2
98 43.6 34.2 51.4

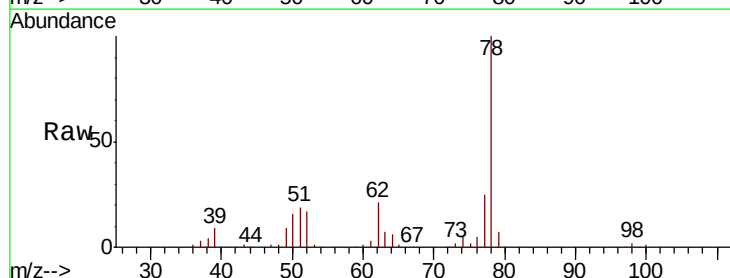


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

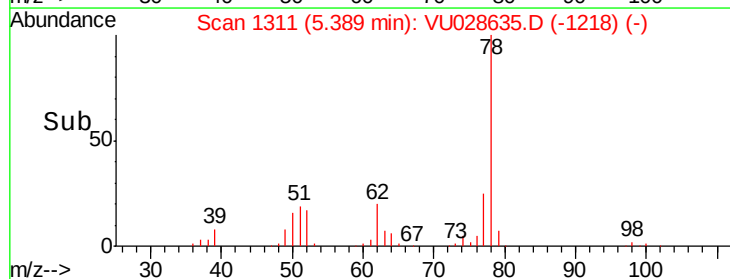
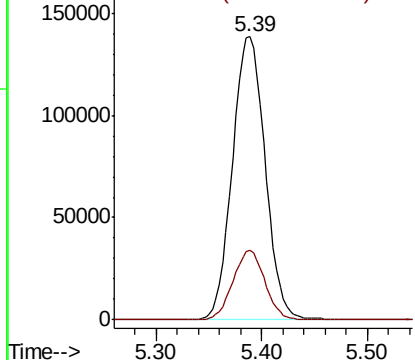


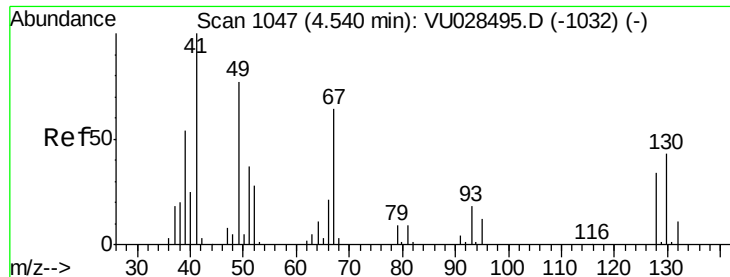
#40
Benzene
Concen: 49.219 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 78 Resp: 298175
Ion Ratio Lower Upper
78 100
77 24.8 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

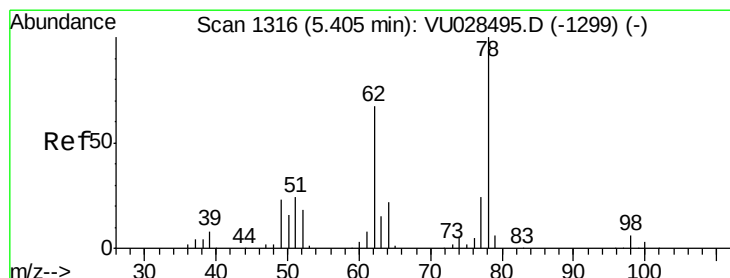
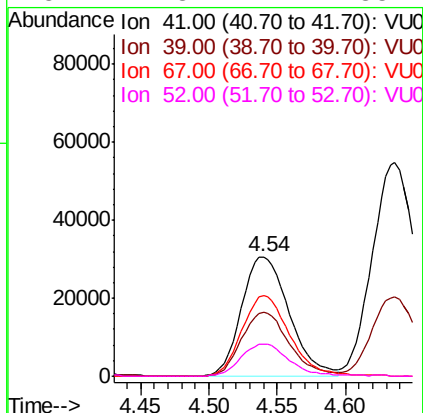
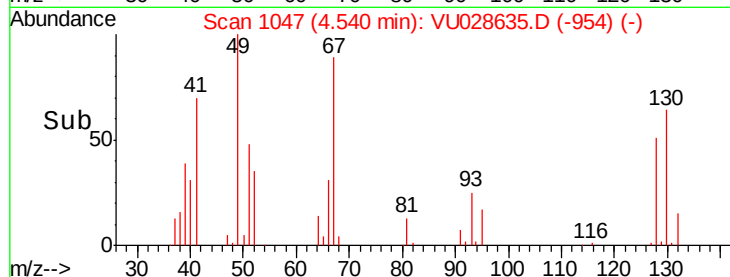
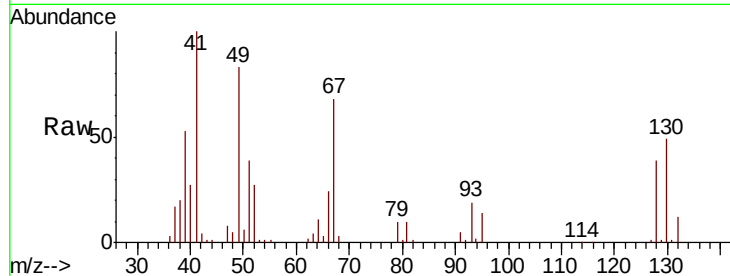




#41
Methacrylonitrile
Concen: 51.079 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

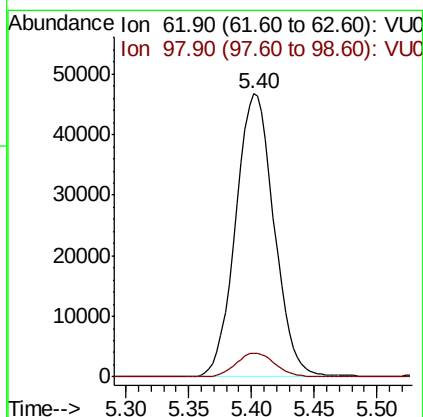
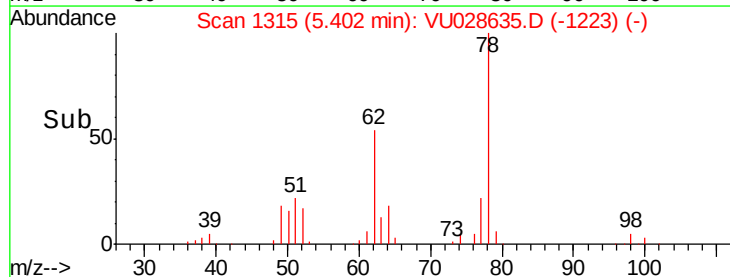
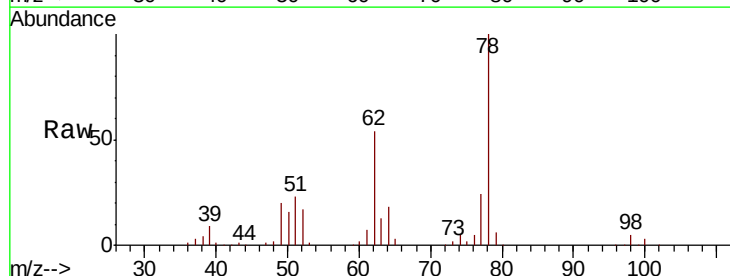
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

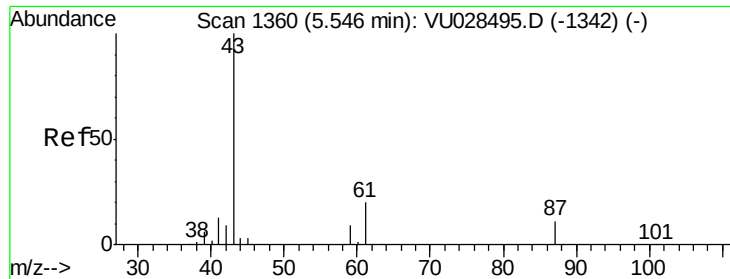
Tot Ion:	41	Resp:	74381
Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.3	64.9
67	67.7	53.6	80.4
52	27.3	22.1	33.1



#42
1,2-Dichloroethane
Concen: 47.031 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion:	62	Resp:	99733
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2





#43

Isopropyl Acetate

Concen: 50.721 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

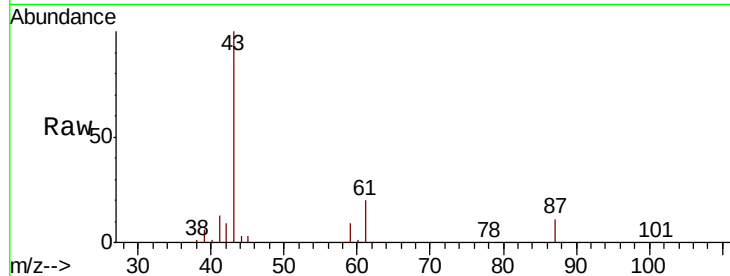
Tot Ion: 43 Resp: 213319

Ion Ratio Lower Upper

43 100

61 19.8 15.5 23.3

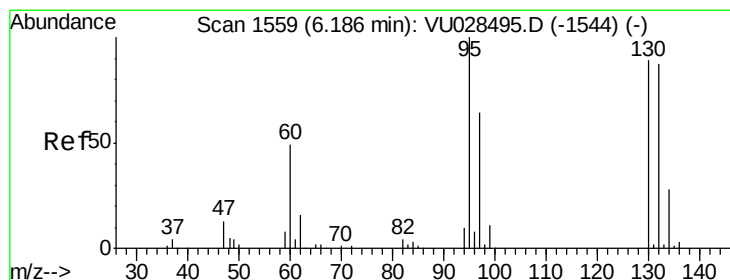
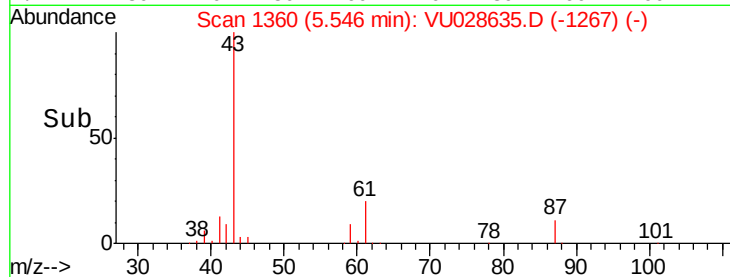
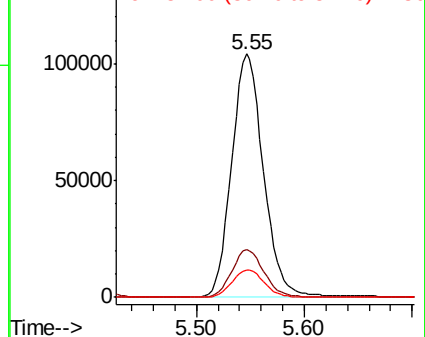
87 11.5 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 50.130 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028635.D

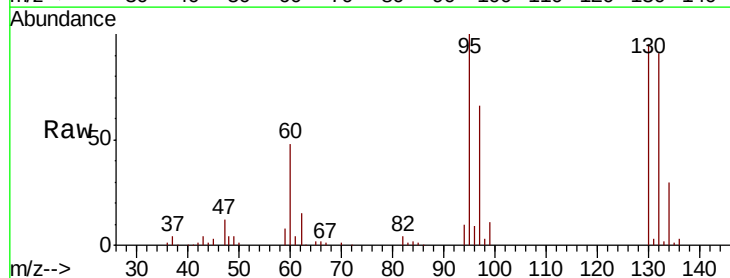
Acq: 12 Dec 2018 02:30

Tgt Ion:130 Resp: 67526

Ion Ratio Lower Upper

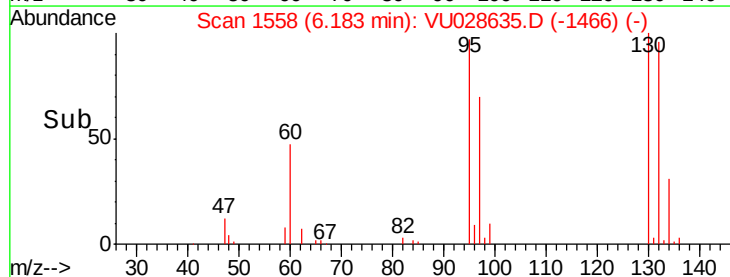
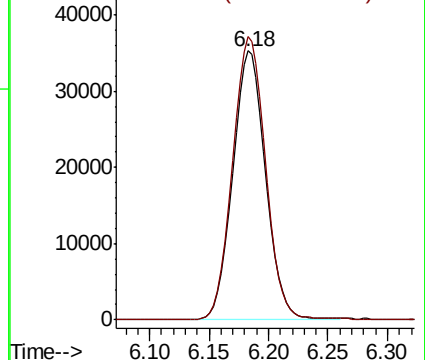
130 100

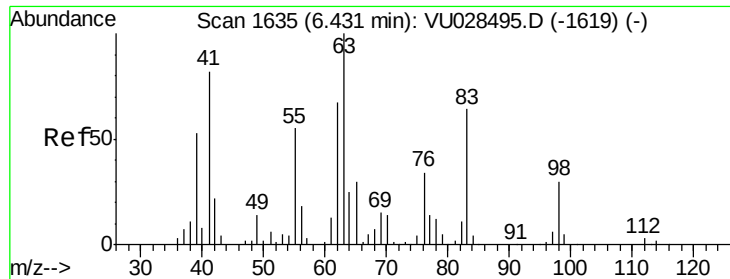
95 105.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

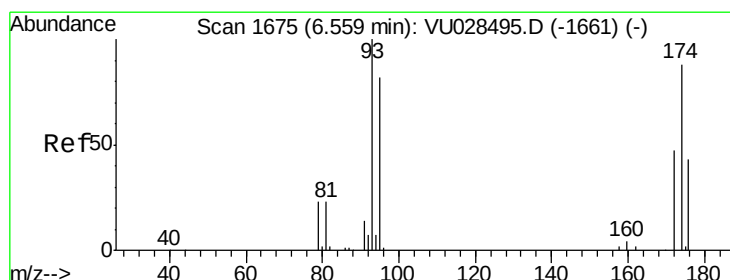
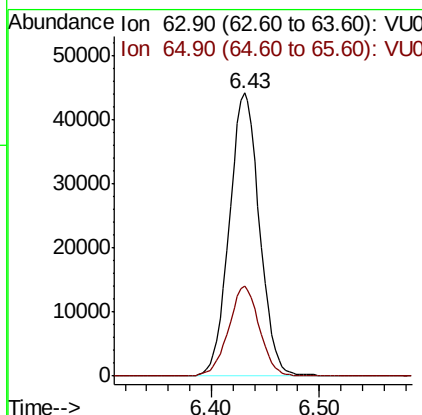
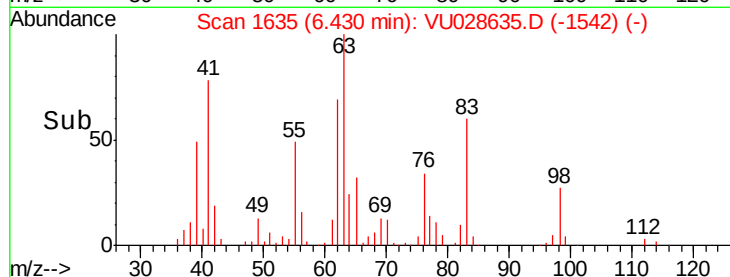
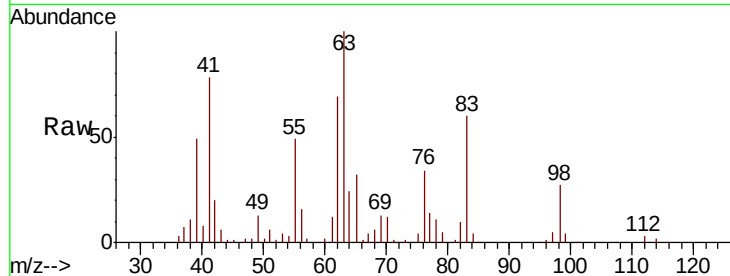




#45
 1,2-Dichloropropane
 Concen: 50.658 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

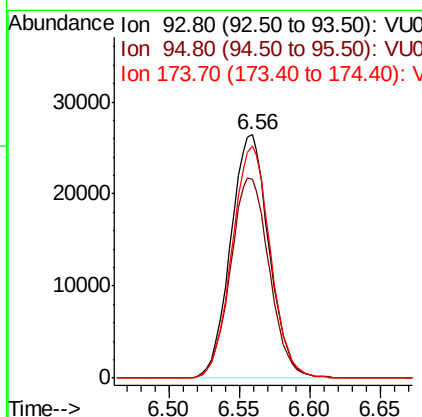
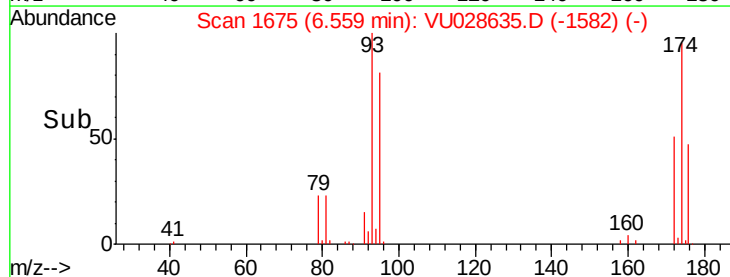
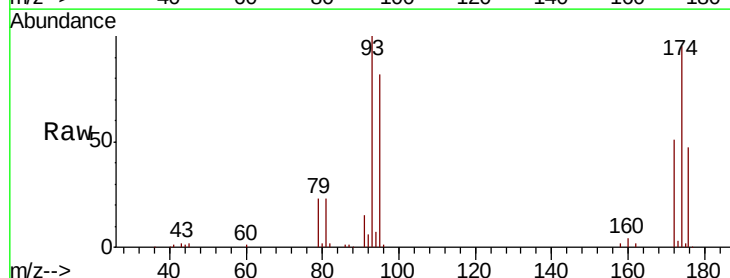
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

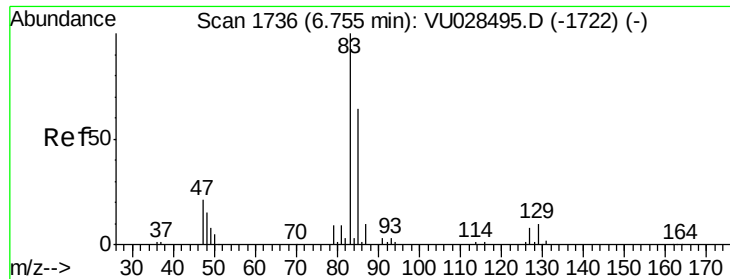
Tot Ion: 63 Resp: 86301
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.2 36.4



#46
 Dibromomethane
 Concen: 49.852 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 93 Resp: 50390
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.4 98.2
 174 95.2 72.2 108.4

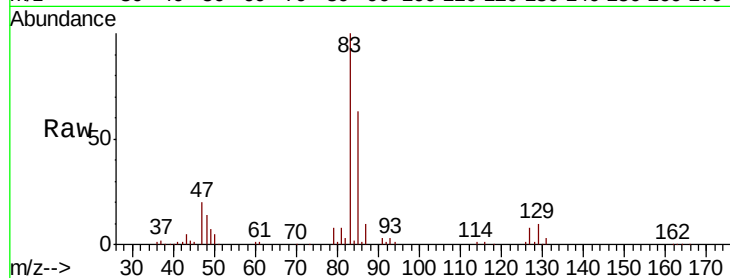




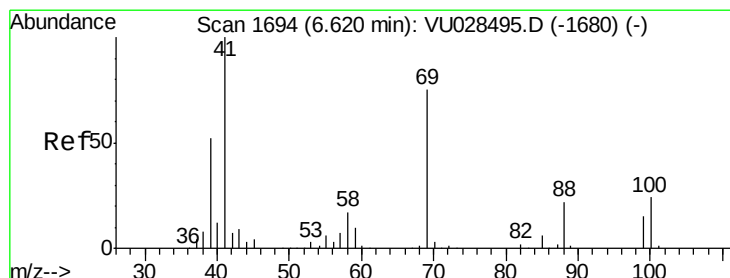
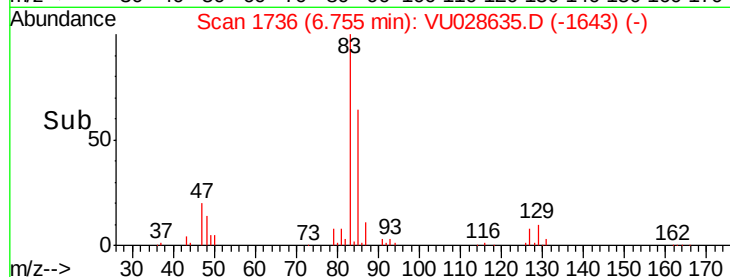
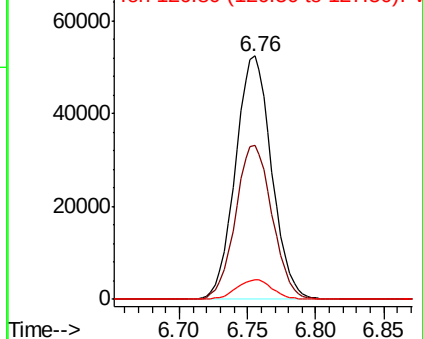
#47
Bromodichloromethane
Concen: 48.947 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 96276
Ion Ratio Lower Upper
83 100
85 63.3 51.5 77.3
127 8.1 6.2 9.4

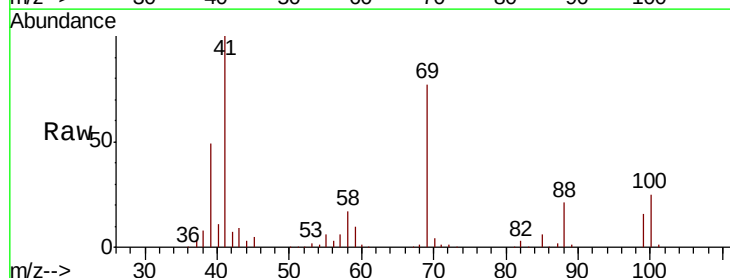


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

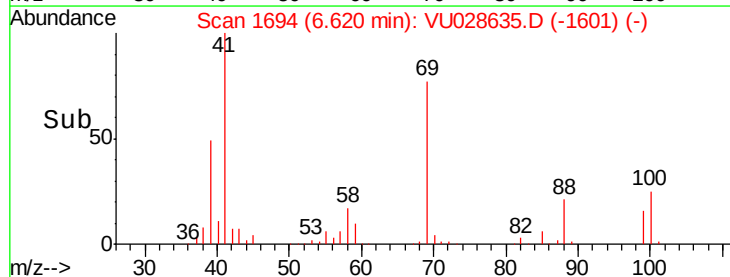
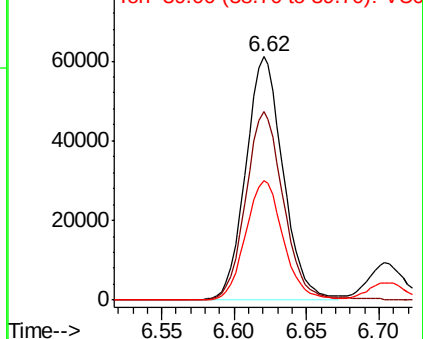


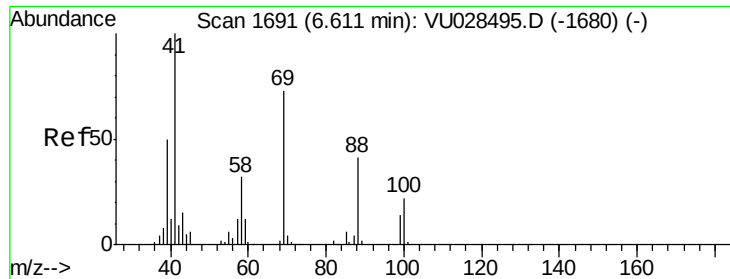
#48
Methyl methacrylate
Concen: 52.367 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 41 Resp: 109527
Ion Ratio Lower Upper
41 100
69 78.4 60.4 90.6
39 49.4 41.1 61.7



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

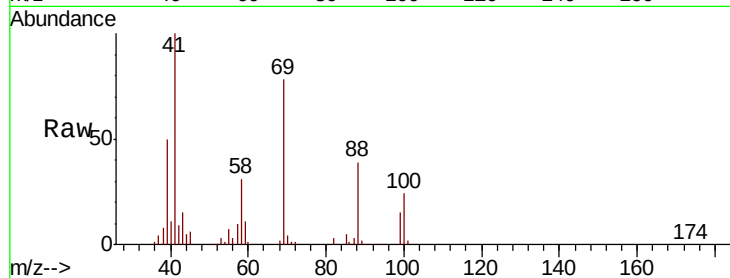




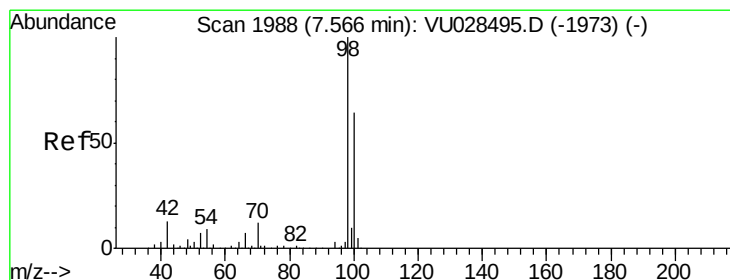
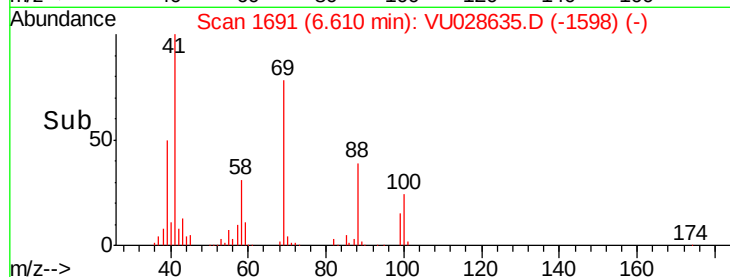
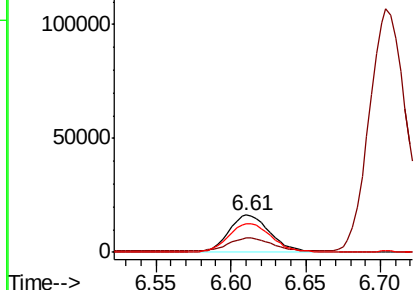
#49
1,4-Dioxane
Concen: 943.718 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 31166
Ion Ratio Lower Upper
88 100
43 37.5 30.9 46.3
58 82.0 62.4 93.6

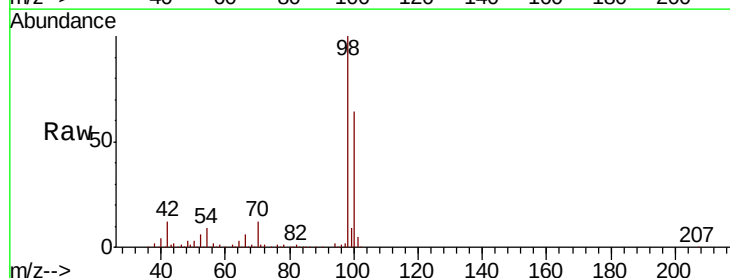


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

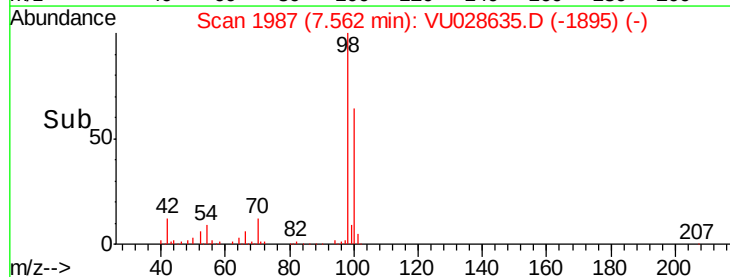
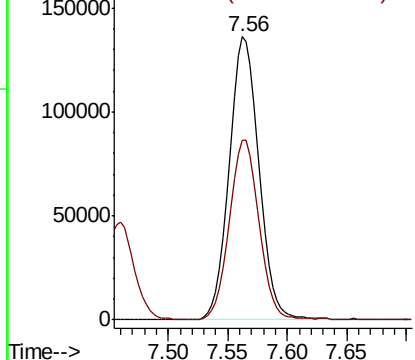


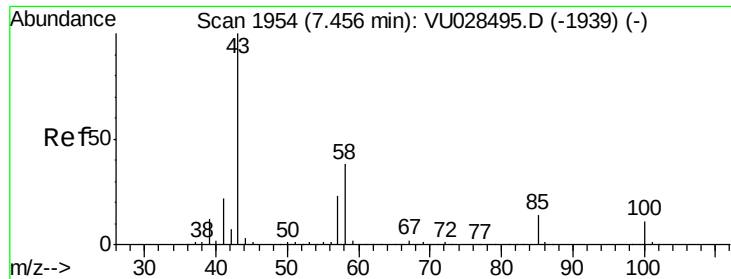
#50
Toluene-d8
Concen: 50.496 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 98 Resp: 236291
Ion Ratio Lower Upper
98 100
100 62.6 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: 256.514 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

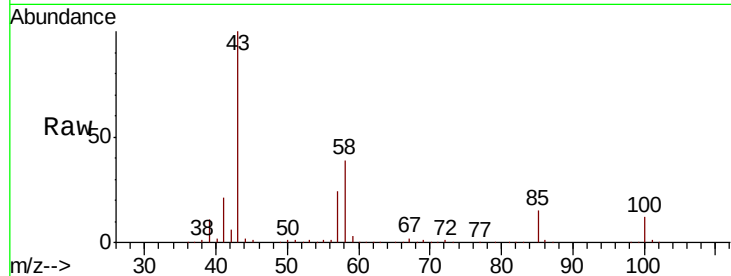
VSTDCCC050EC

Tot Ion: 43 Resp: 680434

Ion Ratio Lower Upper

43 100

58 38.3 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

400000

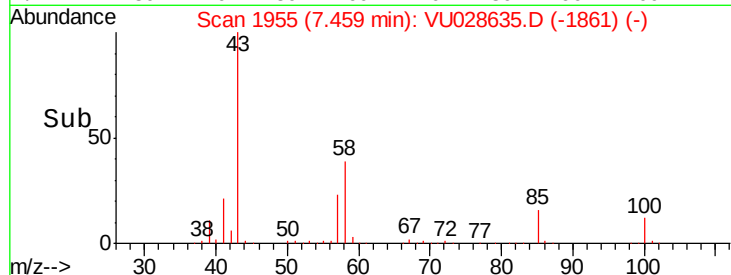
300000

200000

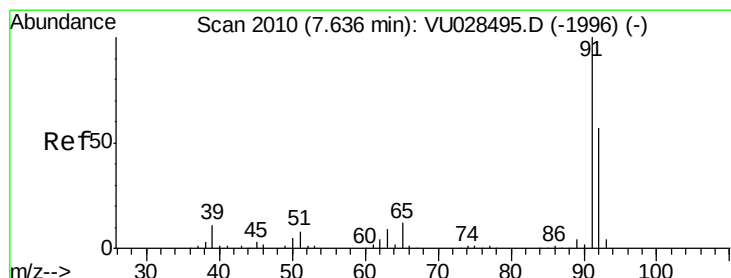
100000

0

Time-->



Time-->



#52

Toluene

Concen: 50.015 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028635.D

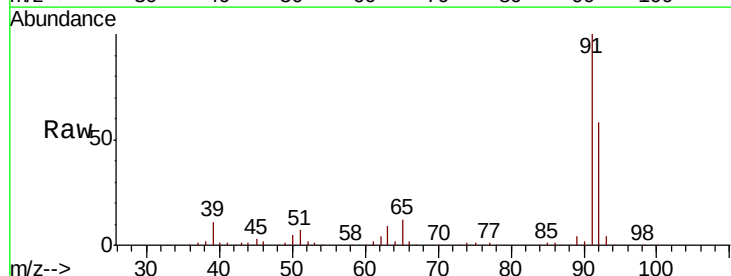
Acq: 12 Dec 2018 02:30

Tgt Ion: 92 Resp: 178320

Ion Ratio Lower Upper

92 100

91 174.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

200000

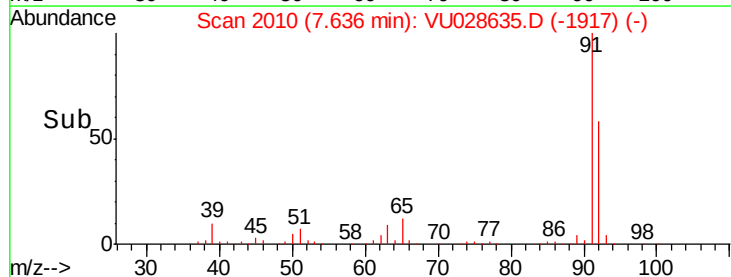
150000

100000

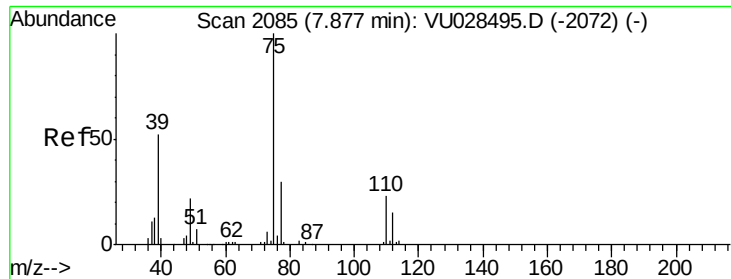
50000

0

Time-->



Time-->



#53

t-1,3-Dichloropropene

Concen: 48.624 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

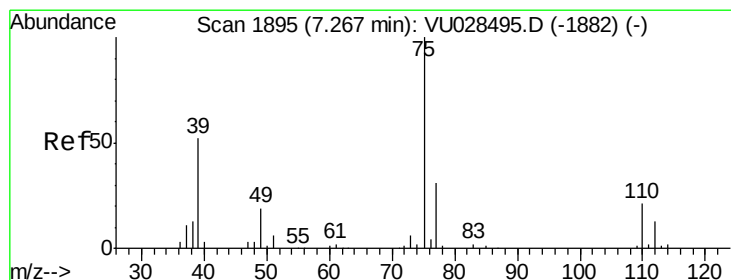
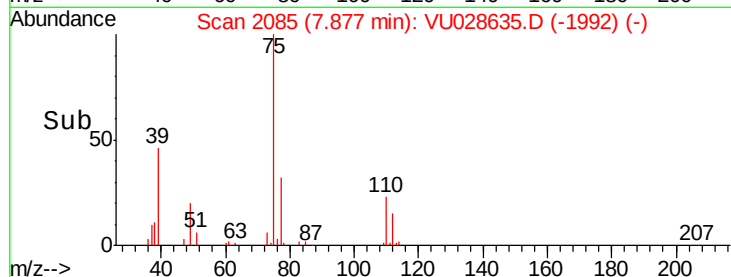
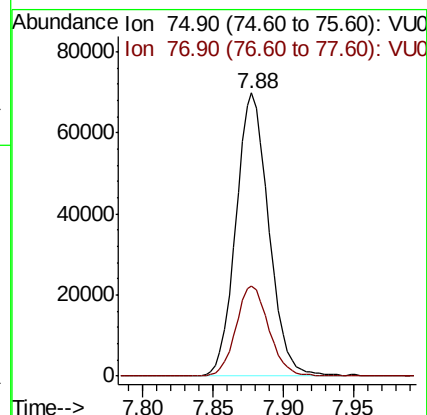
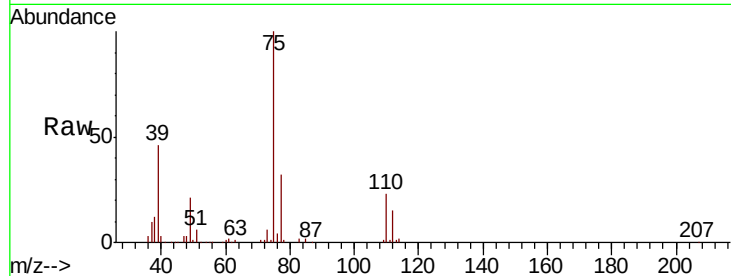
VSTDCCC050EC

Tot Ion: 75 Resp: 113906

Ion Ratio Lower Upper

75 100

77 32.0 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 48.420 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

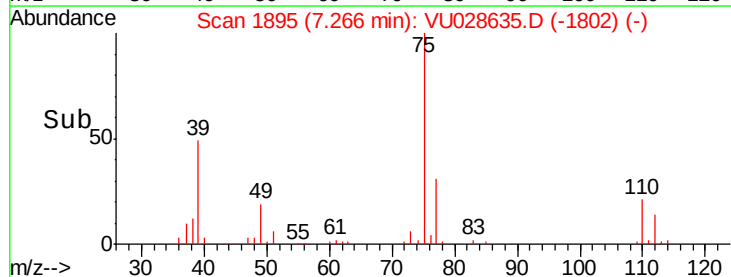
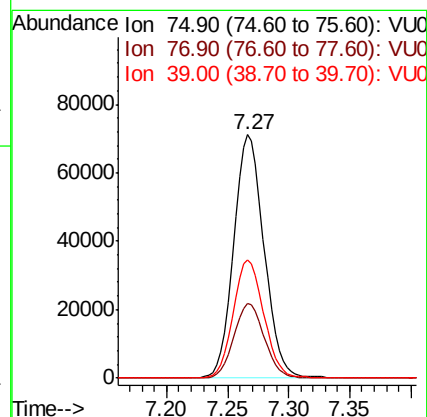
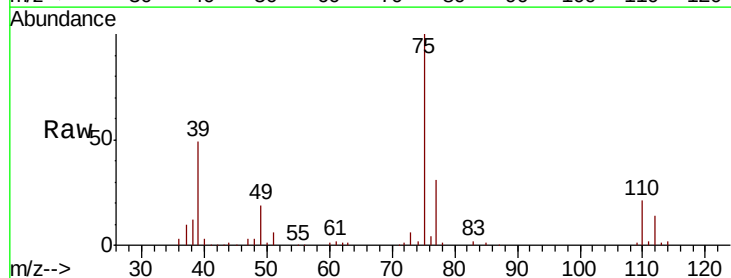
Tgt Ion: 75 Resp: 123063

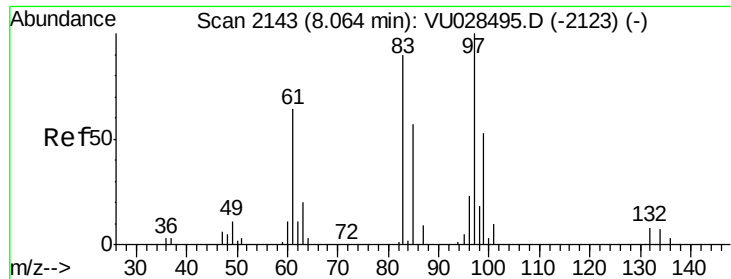
Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4

39 48.8 41.3 61.9



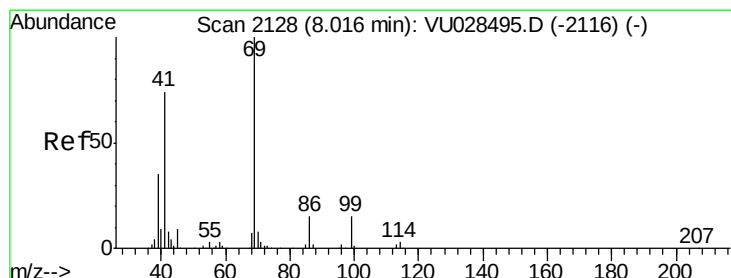
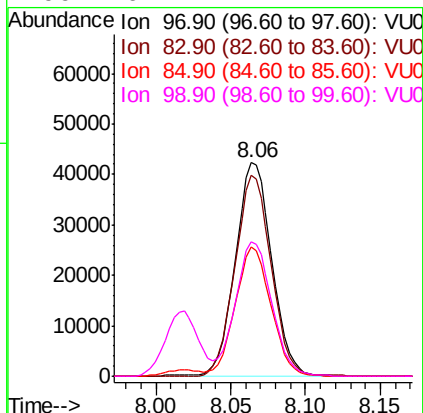
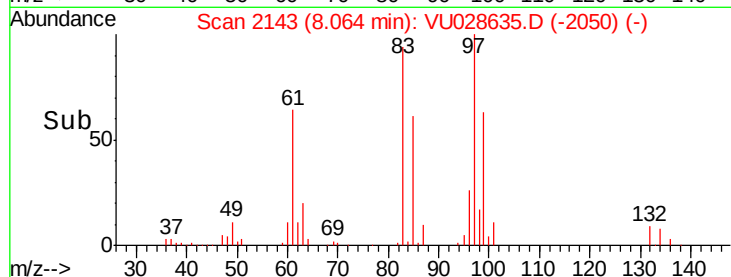
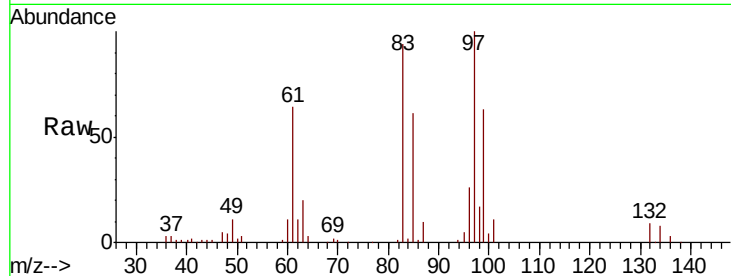


#55
 1,1,2-Trichloroethane
 Concen: 51.050 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 71947

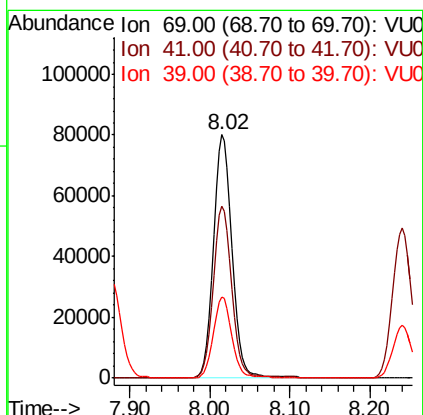
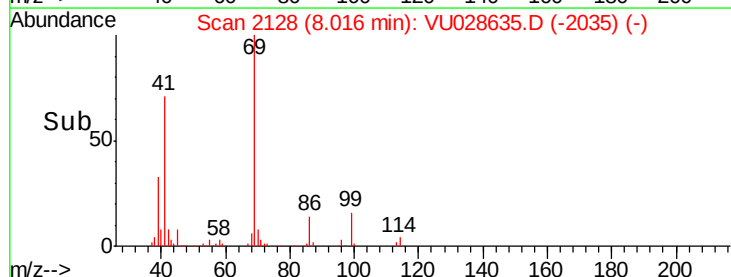
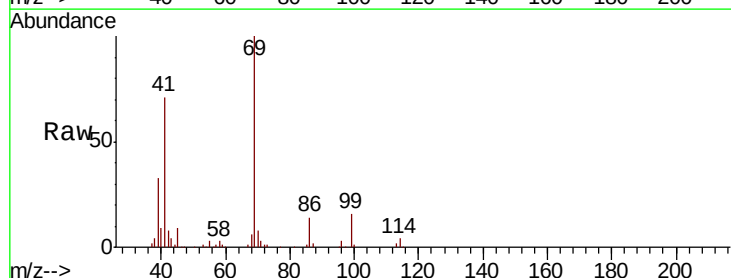
Ion	Ratio	Lower	Upper
97	100		
83	94.0	72.4	108.6
85	60.5	46.0	69.0
99	62.4	47.4	71.2

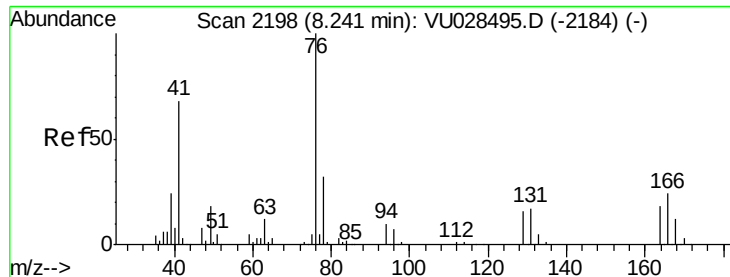


#56
 Ethyl methacrylate
 Concen: 54.039 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 69 Resp: 130421

Ion	Ratio	Lower	Upper
69	100		
41	70.1	59.1	88.7
39	32.8	28.4	42.6





#57

1,3-Dichloropropane

Concen: 49.982 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

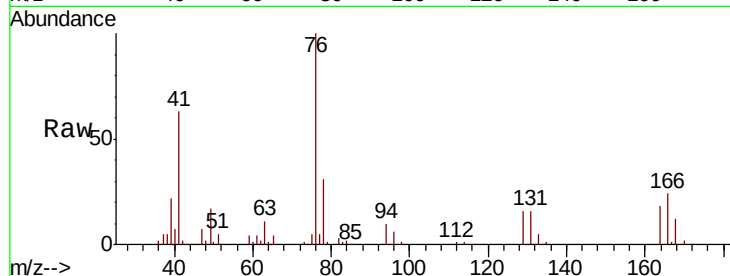
VSTDCCC050EC

Tot Ion: 76 Resp: 130763

Ion Ratio Lower Upper

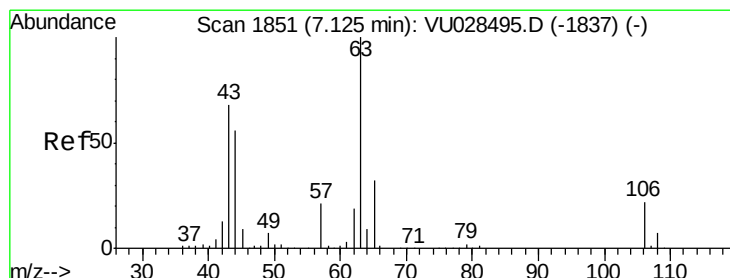
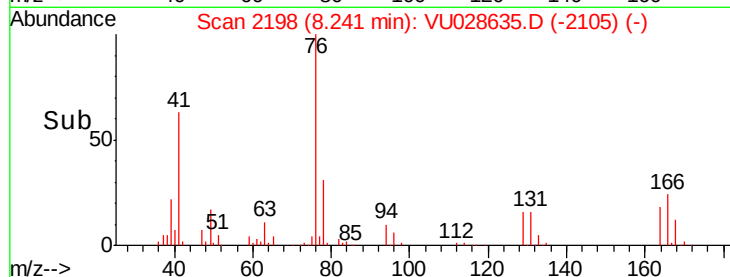
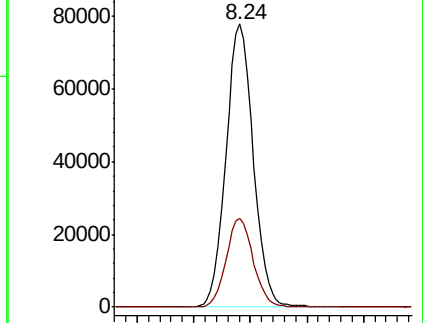
76 100

78 31.0 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: 273.395 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028635.D

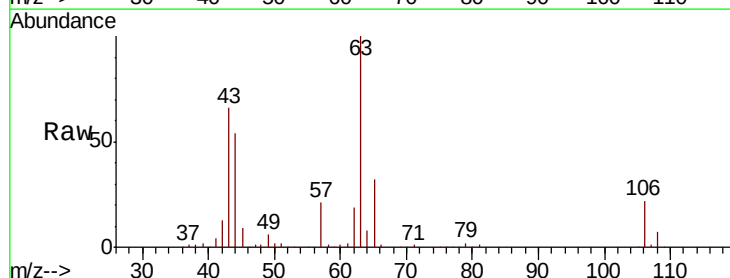
Acq: 12 Dec 2018 02:30

Tgt Ion: 63 Resp: 337964

Ion Ratio Lower Upper

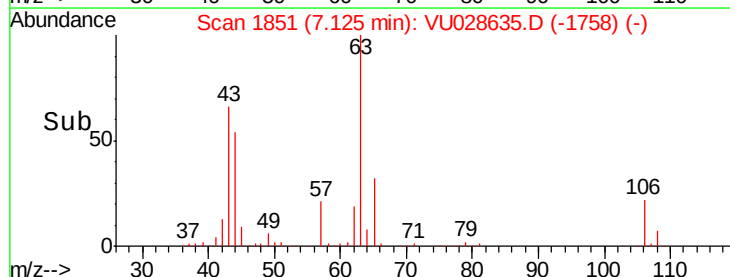
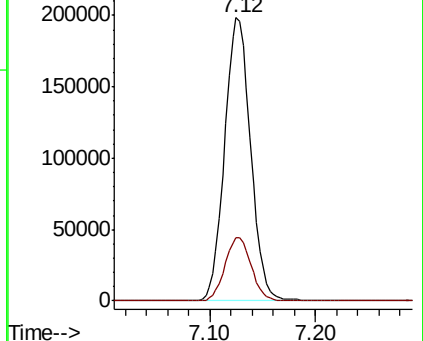
63 100

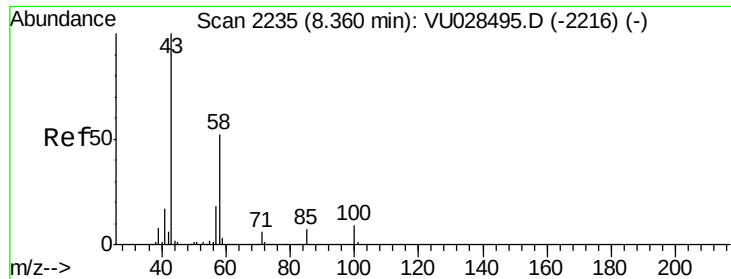
106 22.7 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

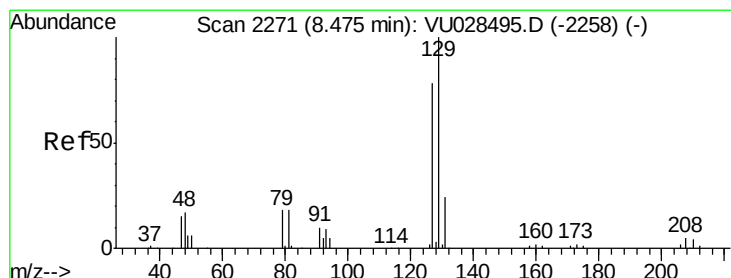
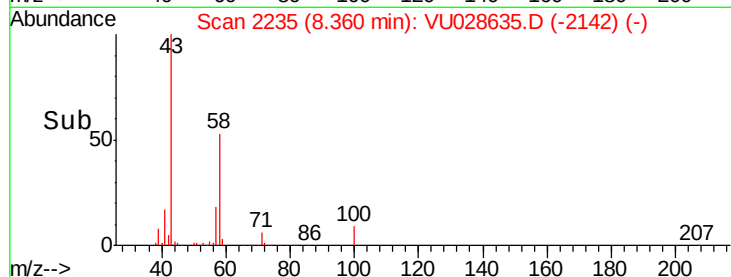
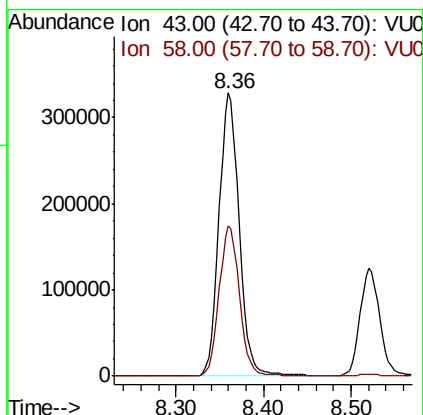
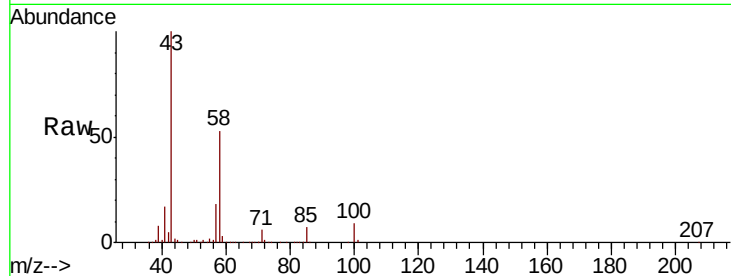




#59
2-Hexanone
Concen: 250.771 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

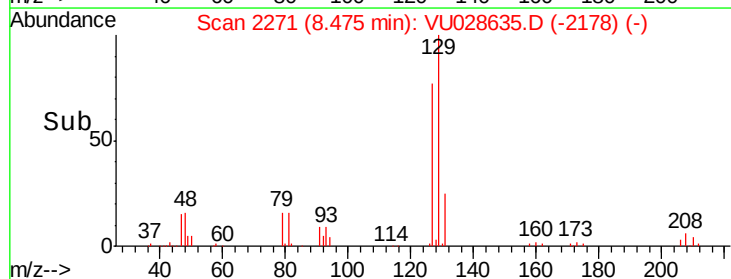
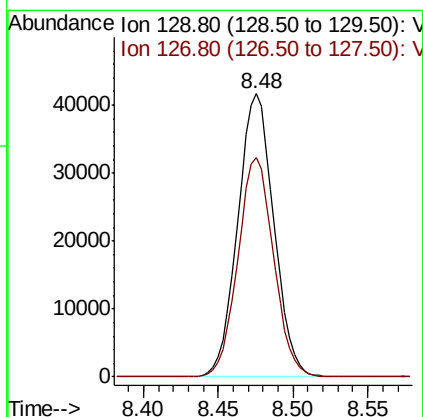
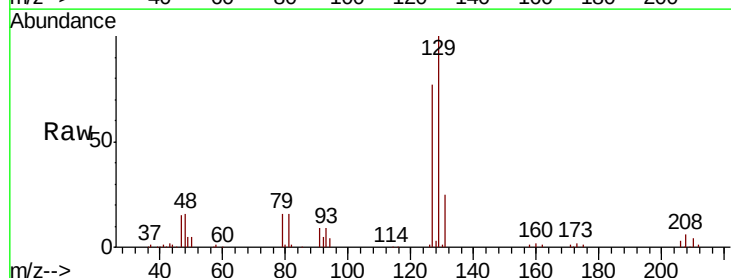
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

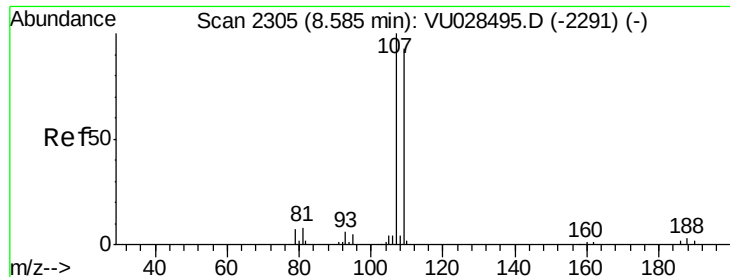
Tot Ion: 43 Resp: 527242
Ion Ratio Lower Upper
43 100
58 53.6 25.9 77.6



#60
Dibromochloromethane
Concen: 50.680 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 129 Resp: 69930
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3

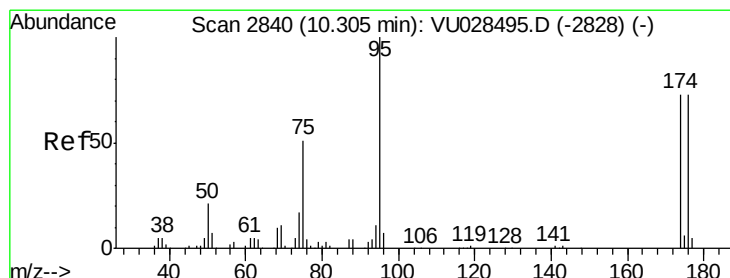
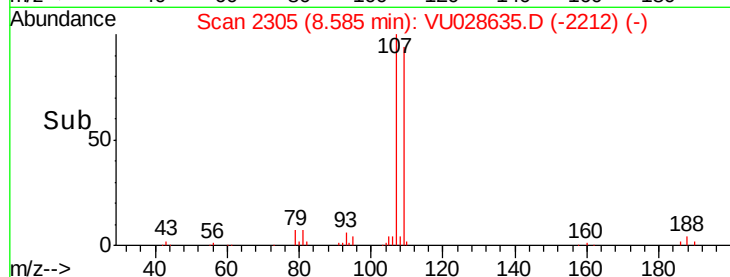
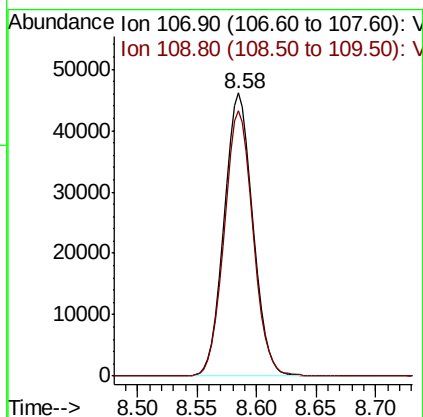
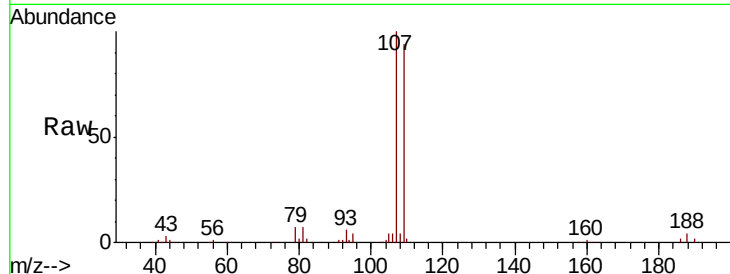




#61
 1,2-Dibromoethane
 Concen: 52.369 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

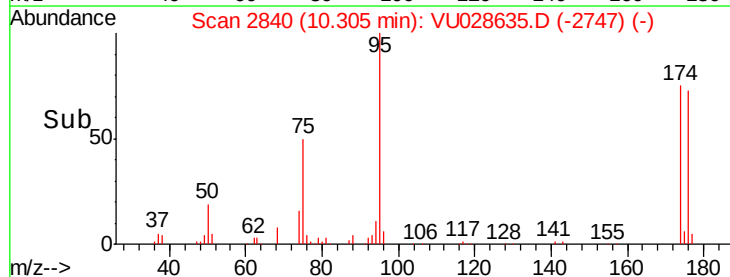
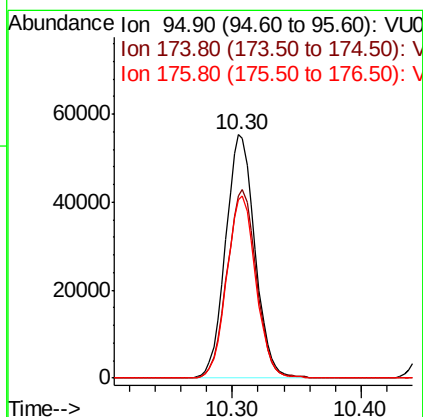
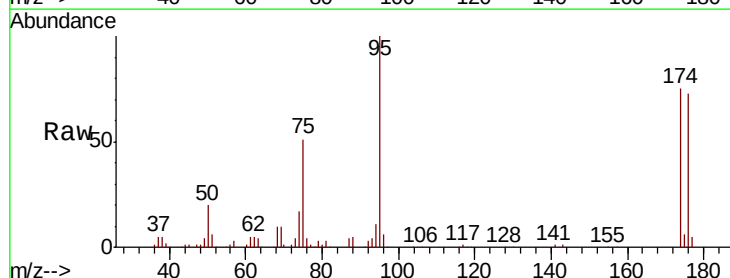
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

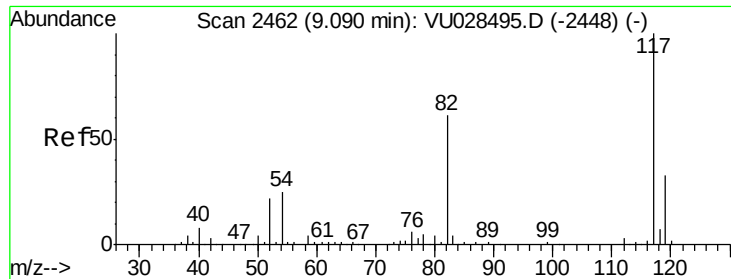
Tot Ion:107 Resp: 77398
 Ion Ratio Lower Upper
 107 100
 109 94.0 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 49.881 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 95 Resp: 87241
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 150.4
 176 74.5 0.0 145.2

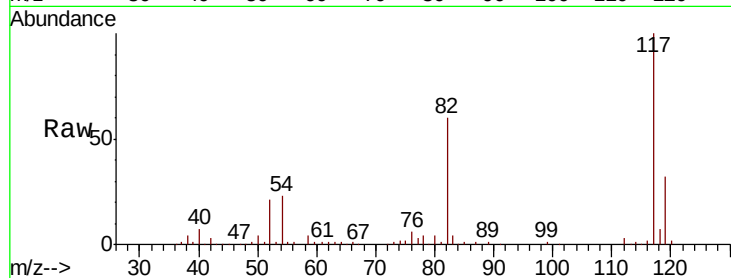




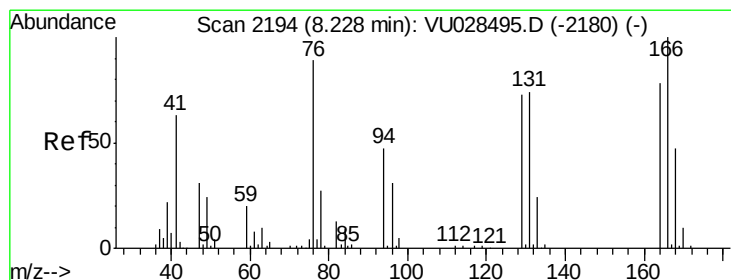
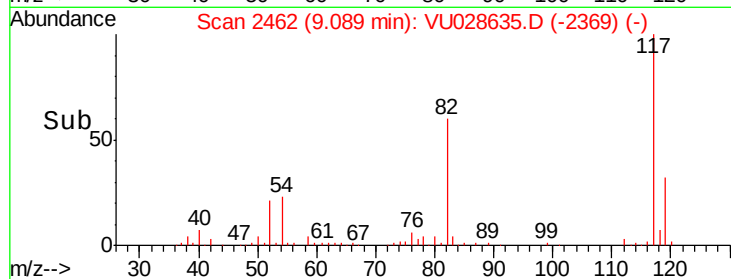
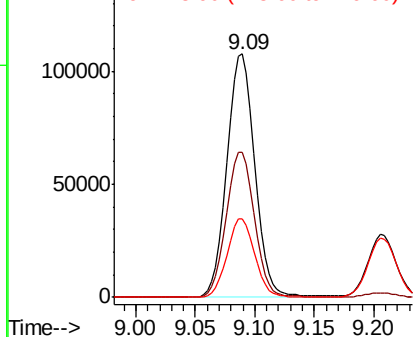
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 176028
Ion Ratio Lower Upper
117 100
82 59.8 48.9 73.3
119 32.3 26.2 39.4

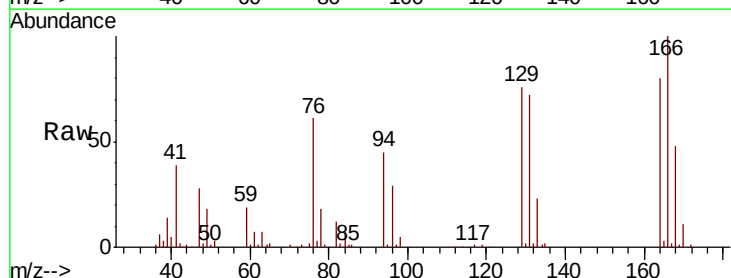


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

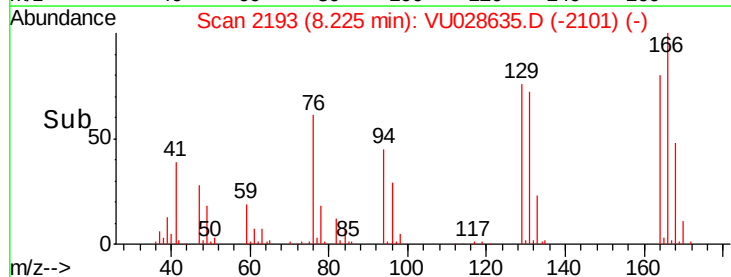
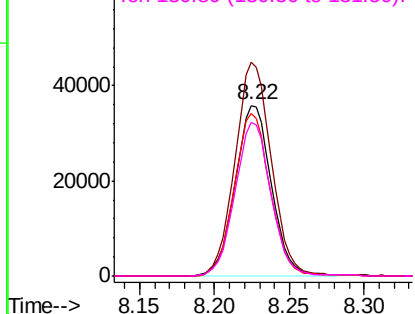


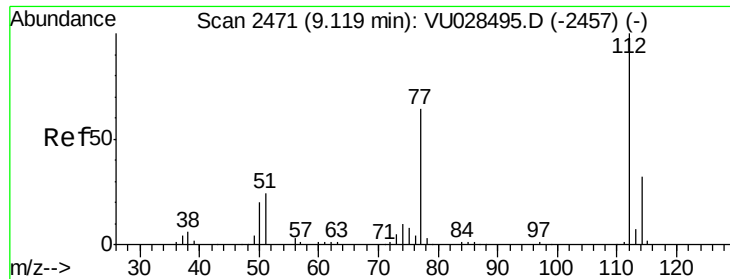
#64
Tetrachloroethene
Concen: 51.575 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion:164 Resp: 60557
Ion Ratio Lower Upper
164 100
166 125.2 101.9 152.9
129 95.7 74.9 112.3
131 90.1 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

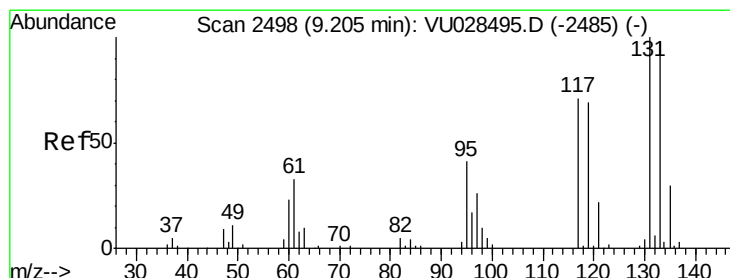
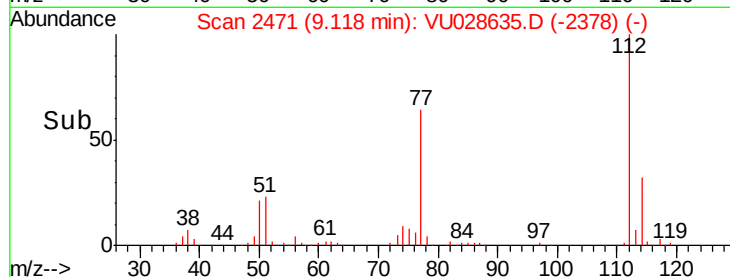
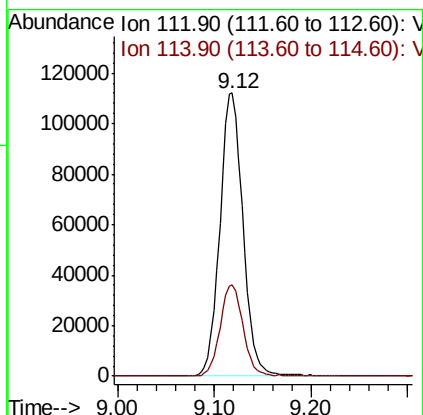
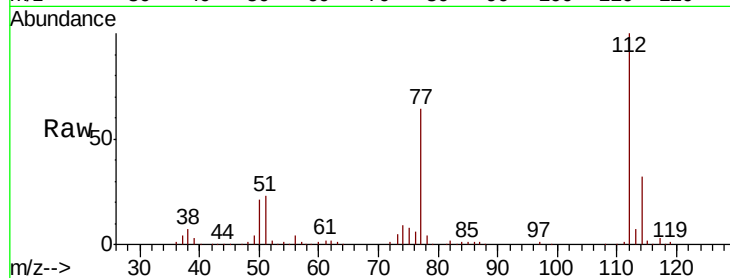




#65
Chlorobenzene
Concen: 49.553 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

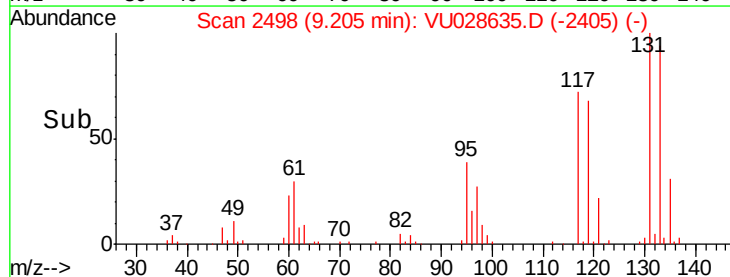
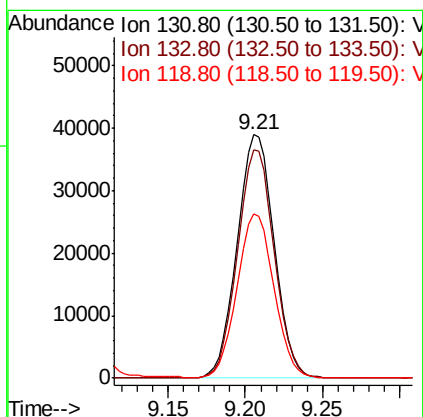
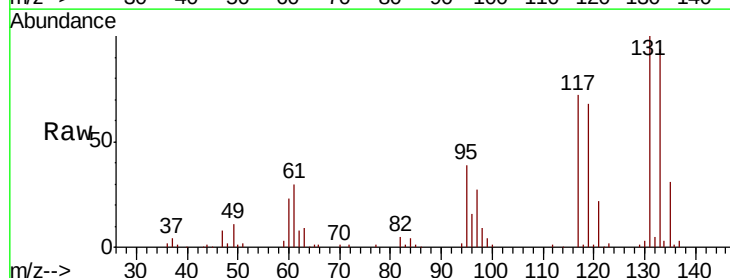
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

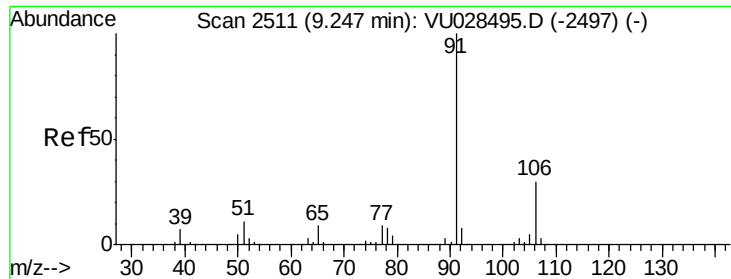
Tot Ion:112 Resp: 185873
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.190 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion:131 Resp: 64909
Ion Ratio Lower Upper
131 100
133 92.9 48.0 144.0
119 67.5 34.6 103.9

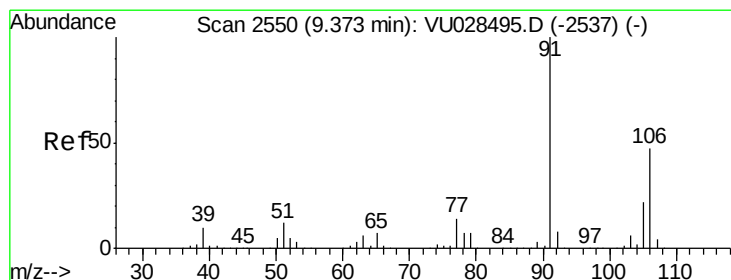
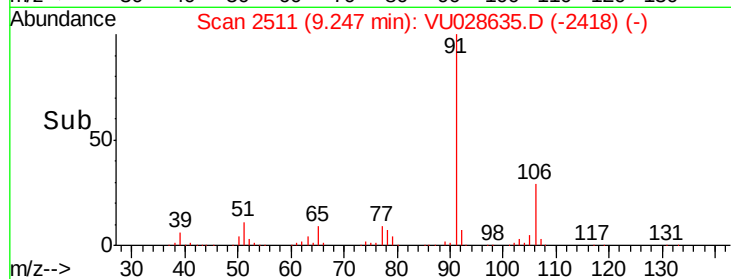
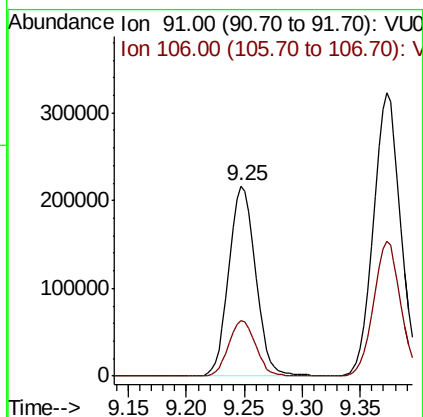
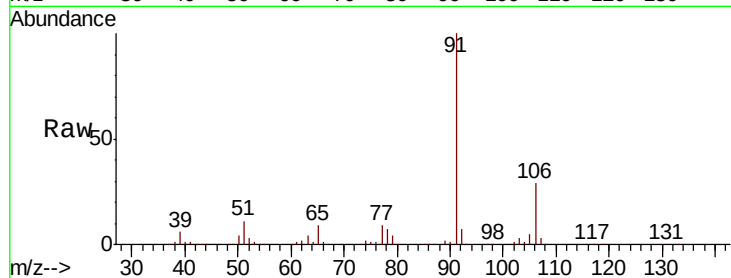




#67
Ethyl Benzene
Concen: 50.199 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

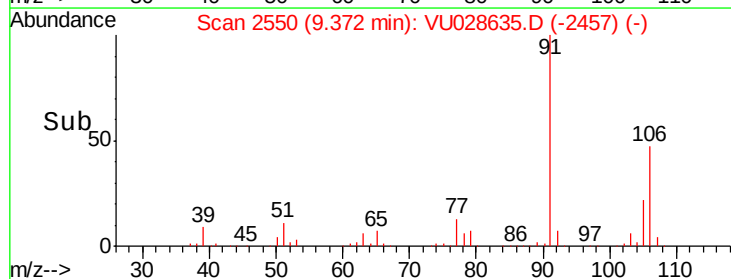
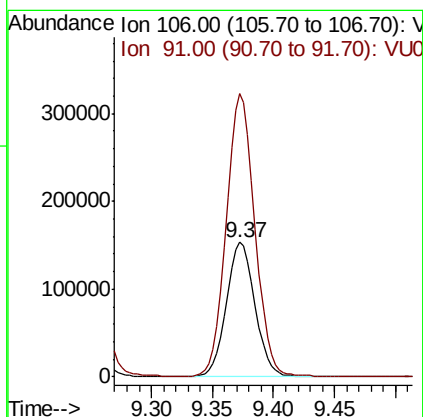
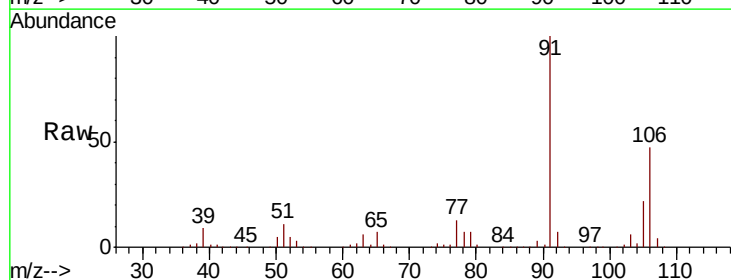
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

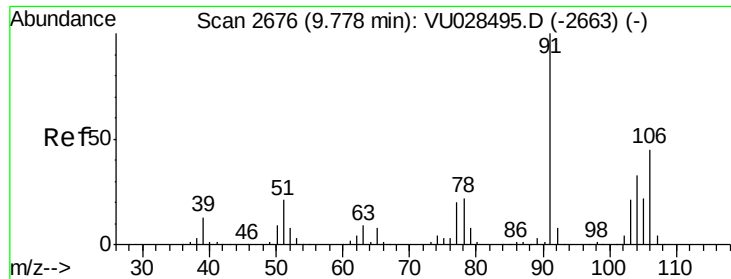
Tot Ion: 91 Resp: 346147
Ion Ratio Lower Upper
91 100
106 29.4 24.1 36.1



#68
m/p-Xylenes
Concen: 100.104 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 106 Resp: 251171
Ion Ratio Lower Upper
106 100
91 211.1 167.4 251.0

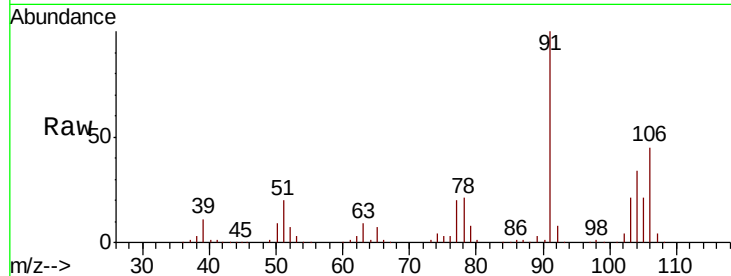




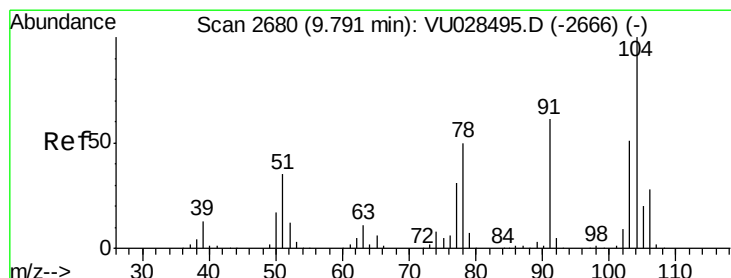
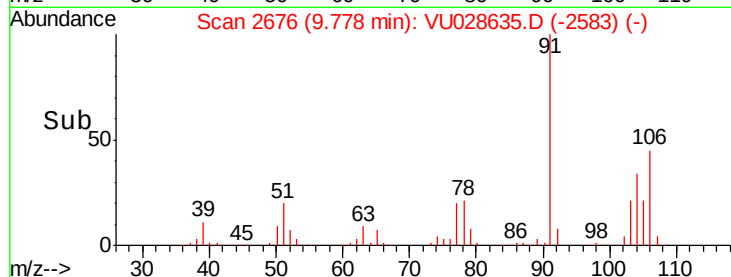
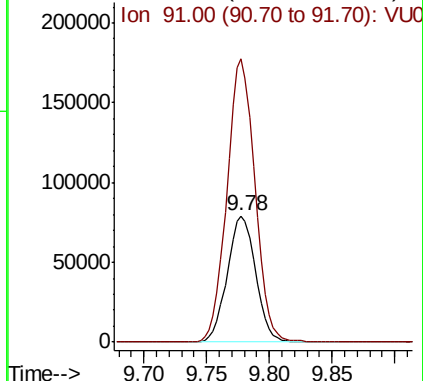
#69
o-Xylene
Concen: 50.929 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 124182
Ion Ratio Lower Upper
106 100
91 221.4 111.3 334.0

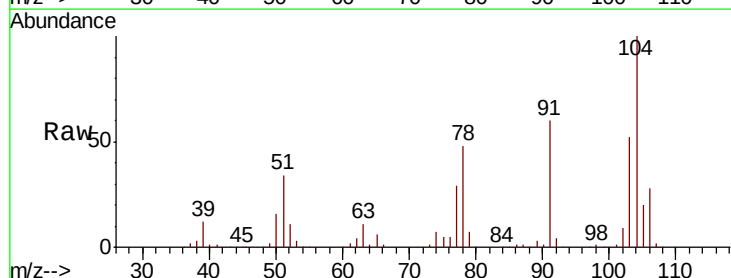


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

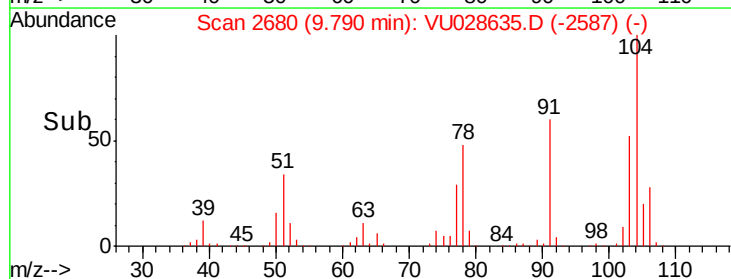
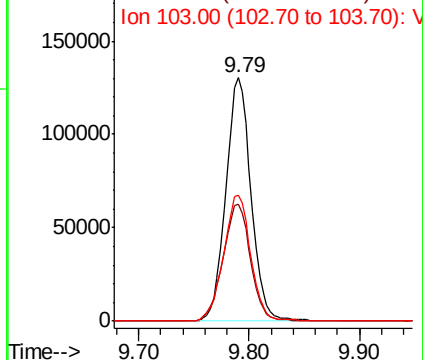


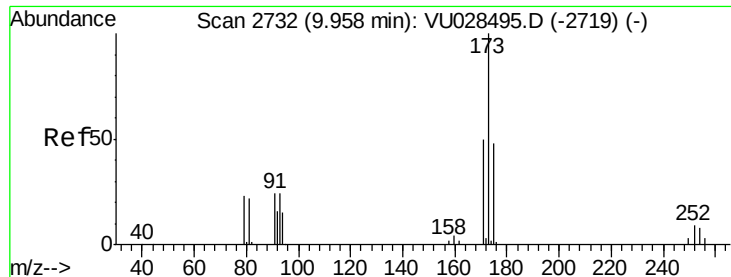
#70
Styrene
Concen: 51.170 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion:104 Resp: 206484
Ion Ratio Lower Upper
104 100
78 52.4 43.0 64.6
103 55.6 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.521 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

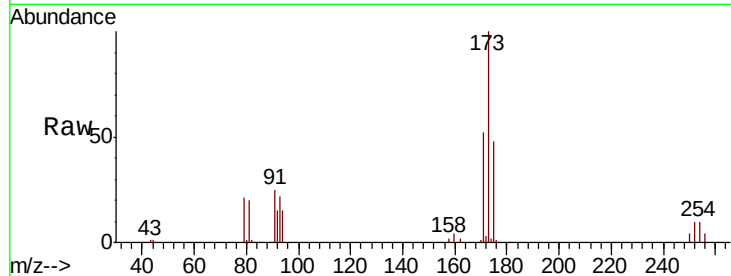
Tot Ion:173 Resp: 54536

Ion Ratio Lower Upper

173 100

175 47.3 23.9 71.8

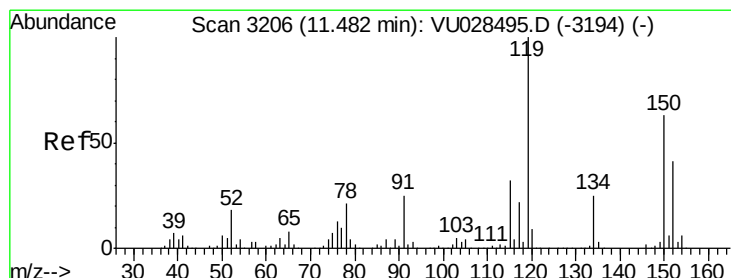
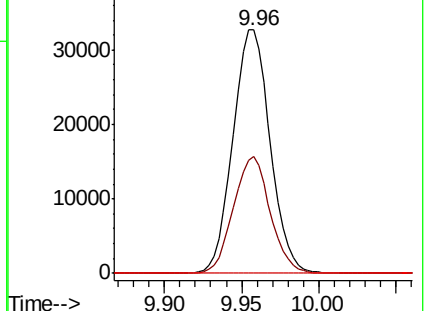
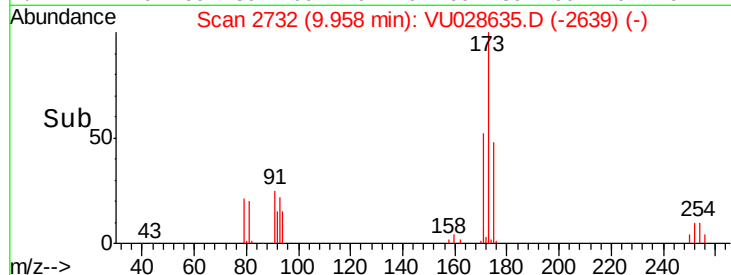
254 0.0 0.0 0.0



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: VU028635.D

Acq: 12 Dec 2018 02:30

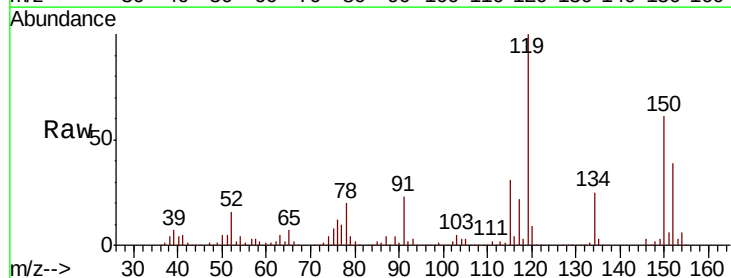
Tgt Ion:152 Resp: 87133

Ion Ratio Lower Upper

152 100

115 83.8 42.7 128.1

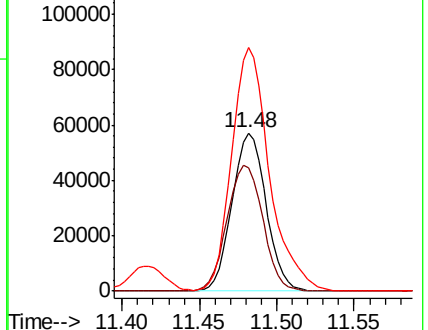
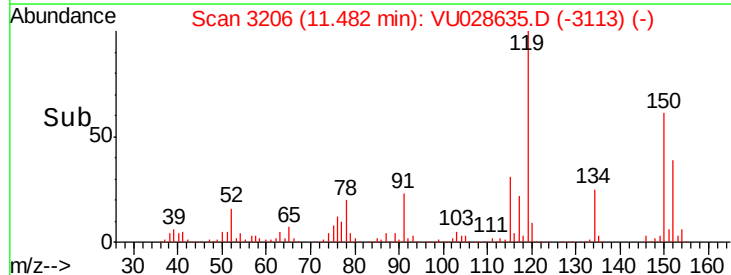
150 171.0 0.0 346.0

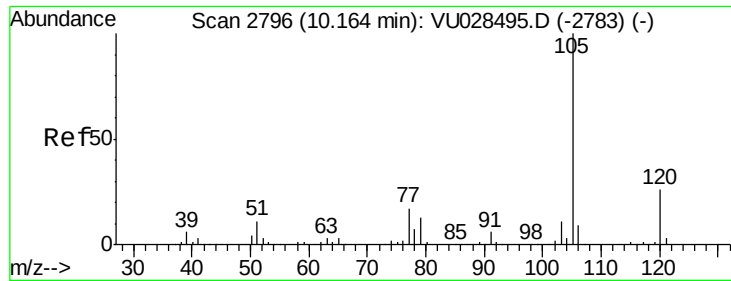


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.194 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

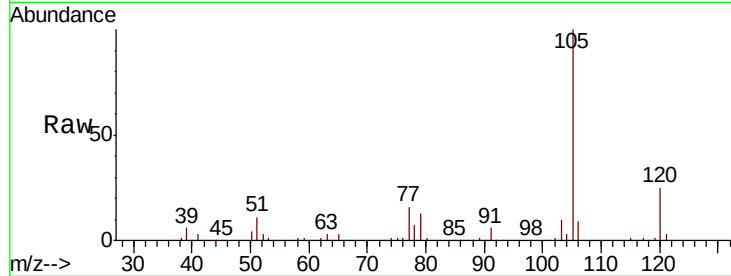
VSTDCCC050EC

Tot Ion:105 Resp: 328913

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

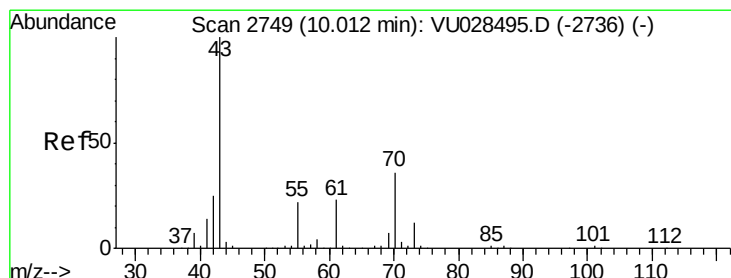
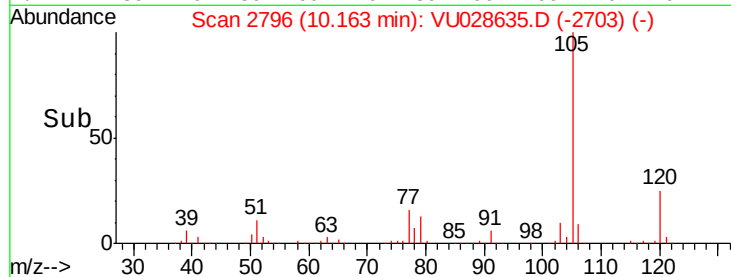
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 50.877 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion: 43 Resp: 196216

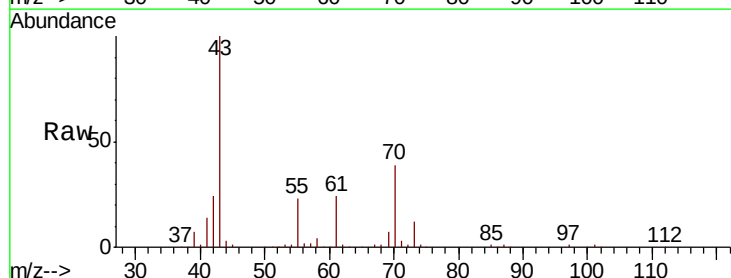
Ion Ratio Lower Upper

43 100

70 38.7 29.3 43.9

55 22.8 18.0 27.0

61 23.7 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

200000

150000

100000

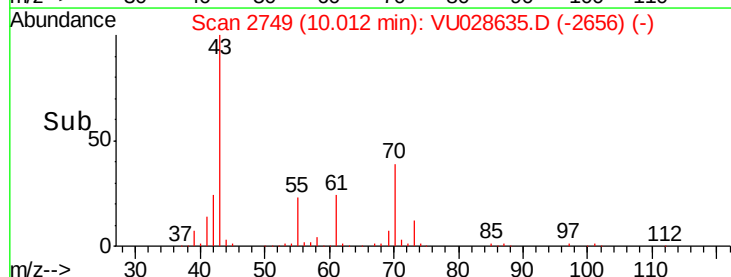
50000

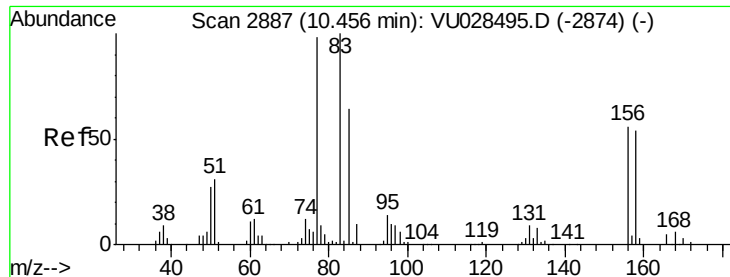
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.348 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

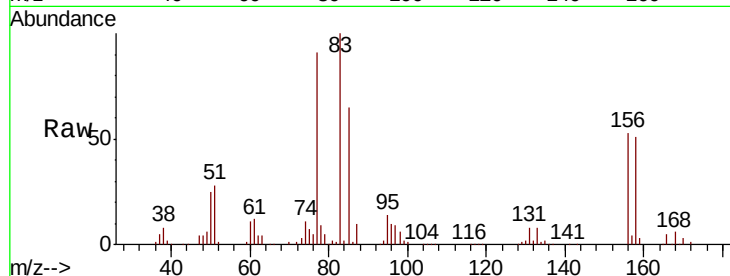
Tot Ion: 83 Resp: 131883

Ion Ratio Lower Upper

83 100

131 8.5 4.2 12.4

85 64.3 31.8 95.4

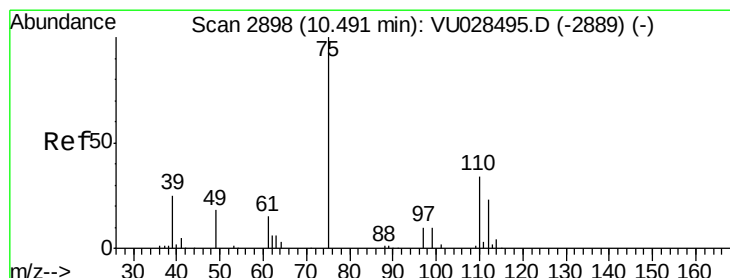
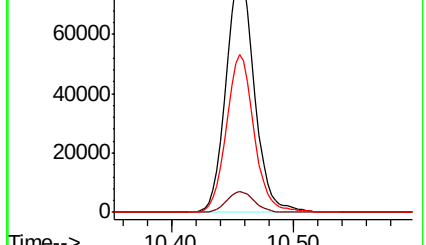
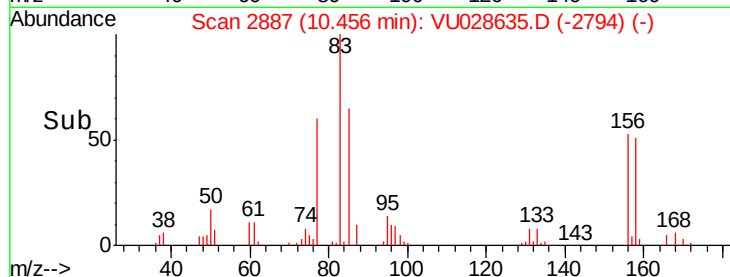


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

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: 70.596 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028635.D

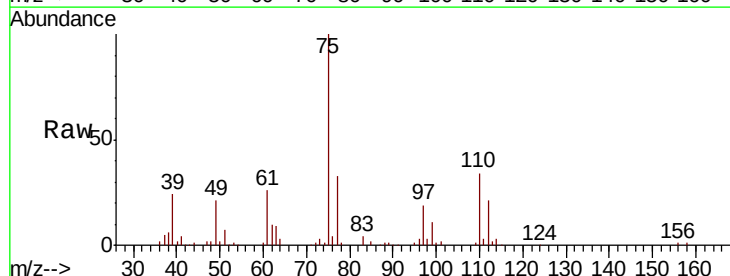
Acq: 12 Dec 2018 02:30

Tgt Ion: 75 Resp: 157074

Ion Ratio Lower Upper

75 100

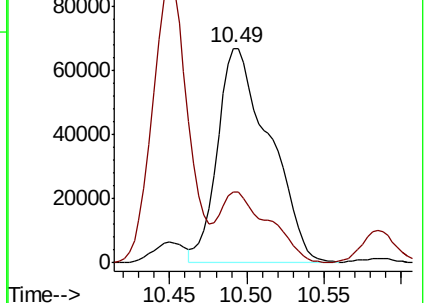
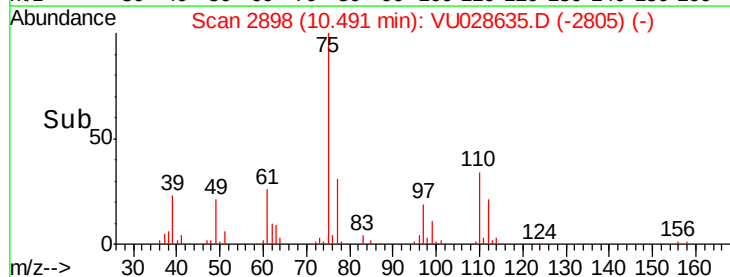
77 30.4 20.8 62.4

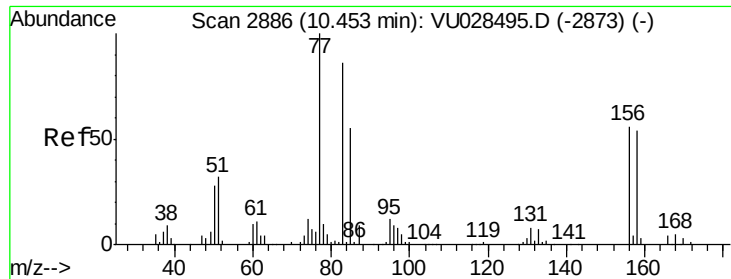


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

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

Time-->





#77

Bromobenzene

Concen: 50.178 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

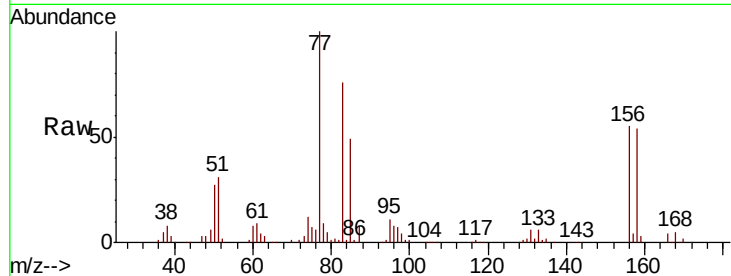
Tot Ion:156 Resp: 78463

Ion Ratio Lower Upper

156 100

77 178.0 92.4 277.2

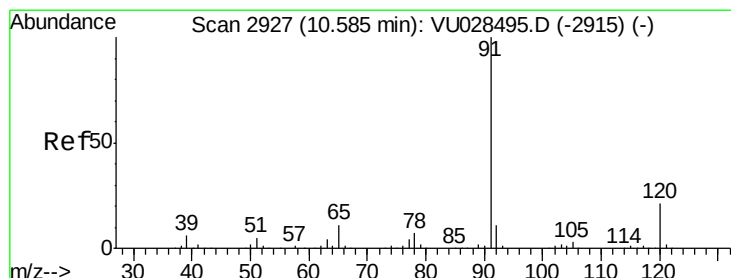
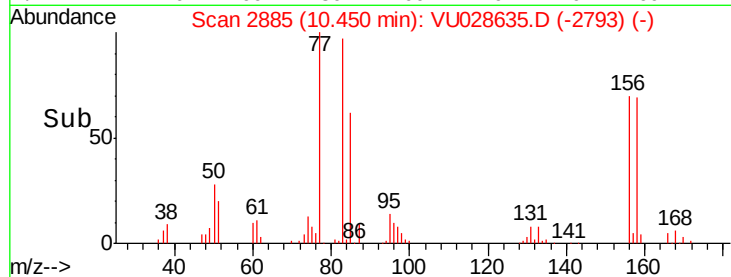
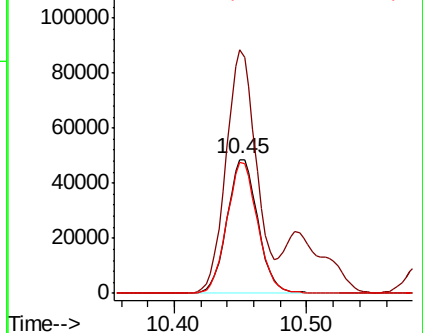
158 97.7 48.4 145.3



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: 48.236 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028635.D

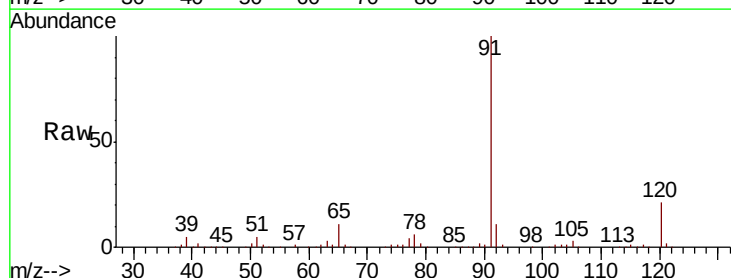
Acq: 12 Dec 2018 02:30

Tgt Ion: 91 Resp: 400745

Ion Ratio Lower Upper

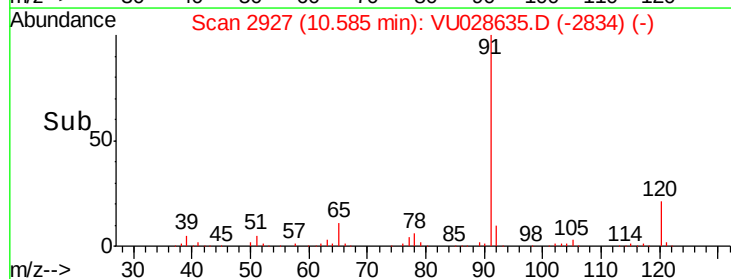
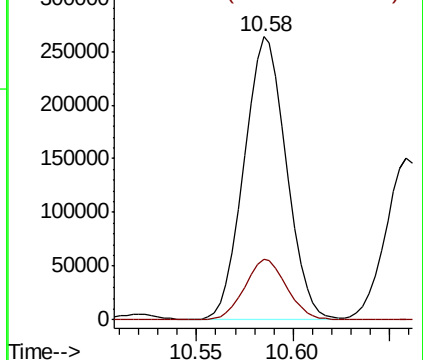
91 100

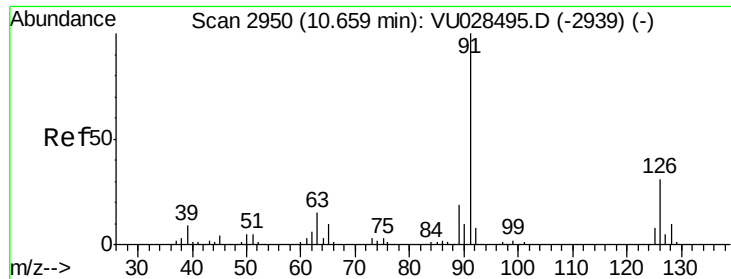
120 21.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

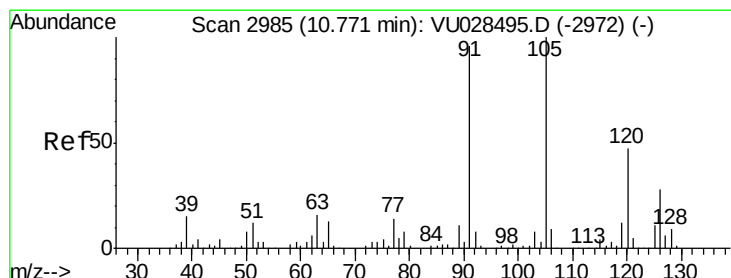
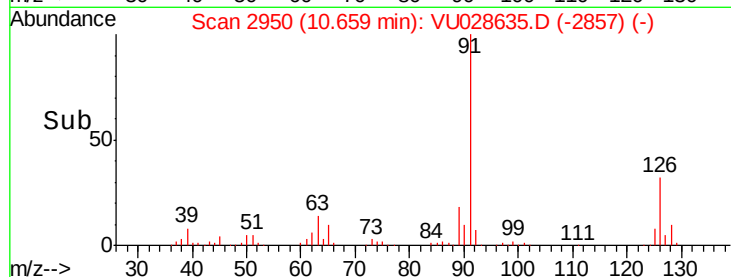
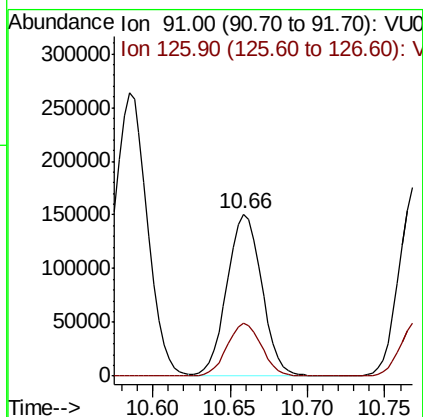
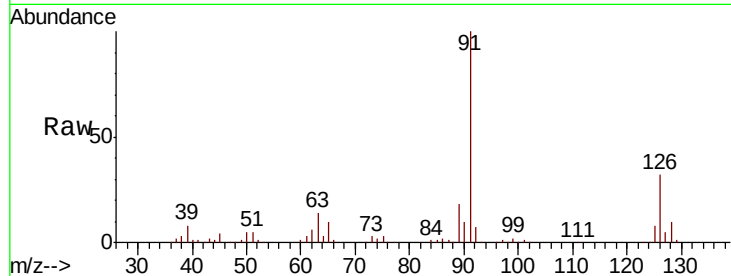




#79
 2-Chlorotoluene
 Concen: 49.318 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

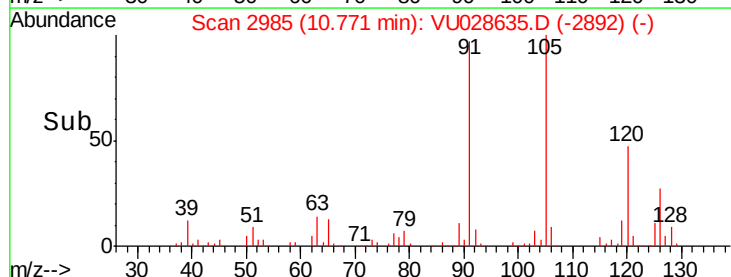
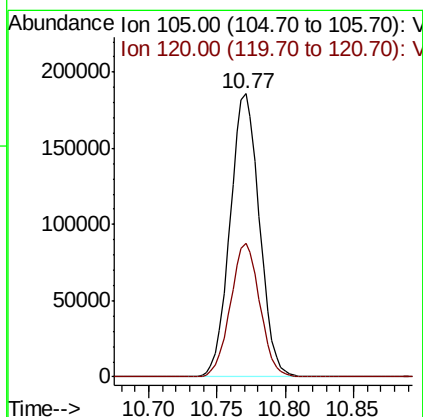
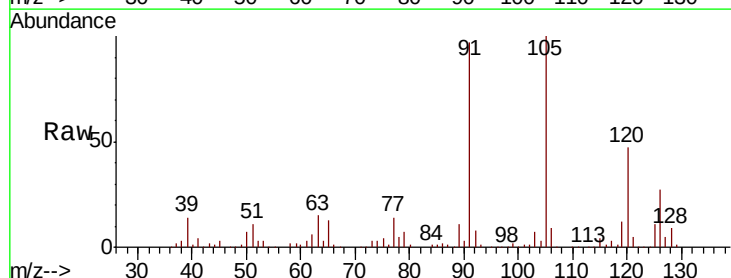
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

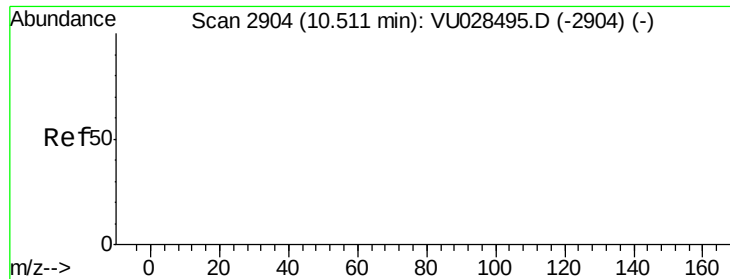
Tot Ion: 91 Resp: 236017
 Ion Ratio Lower Upper
 91 100
 126 32.3 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.176 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 105 Resp: 277696
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1

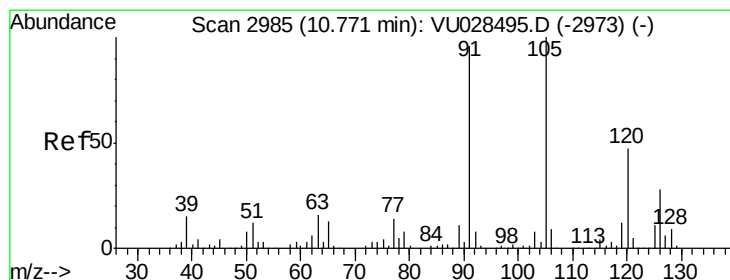
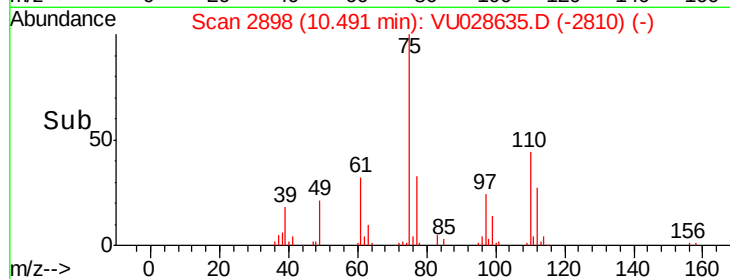
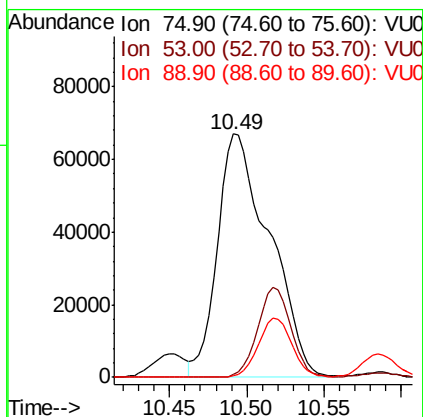
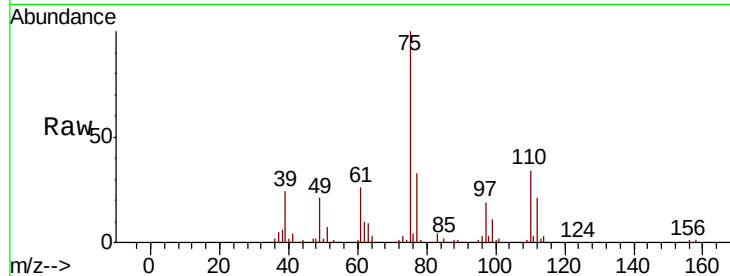




#81
trans-1,4-Dichloro-2-butene
Concen: 172.279 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

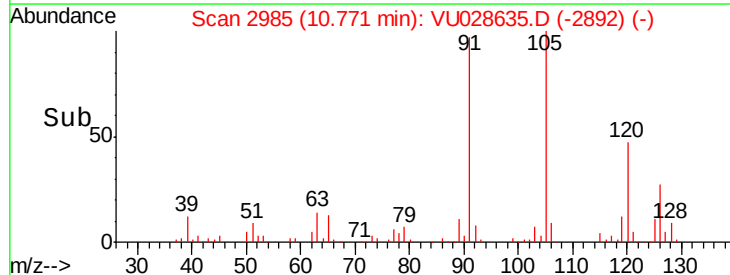
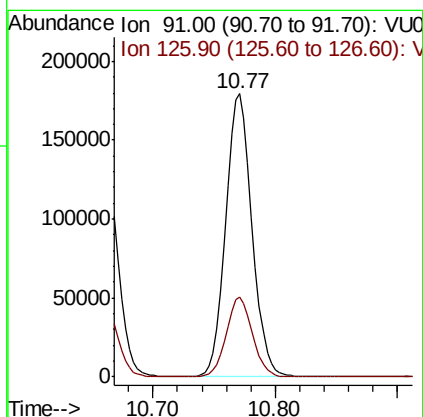
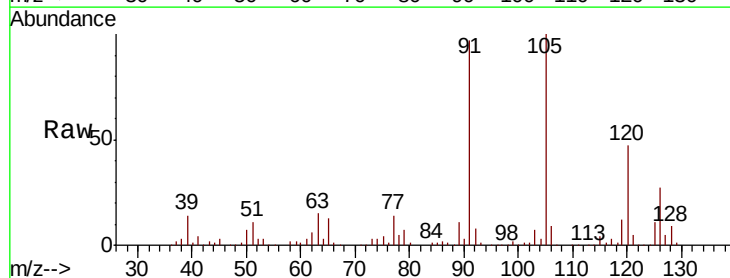
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

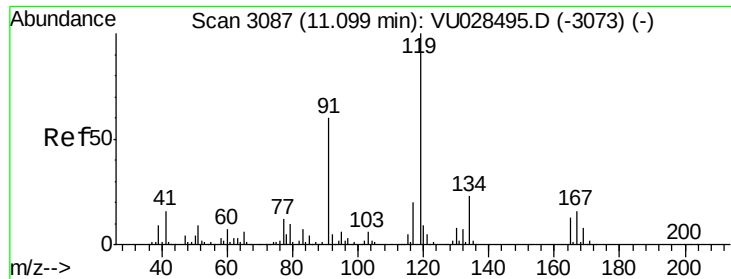
Tot Ion: 75 Resp: 157074
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 47.736 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 91 Resp: 270711
Ion Ratio Lower Upper
91 100
126 28.1 14.1 42.3

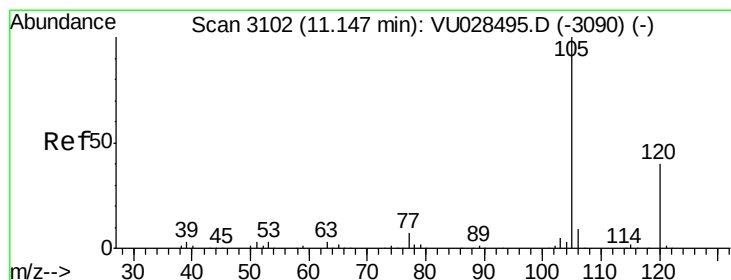
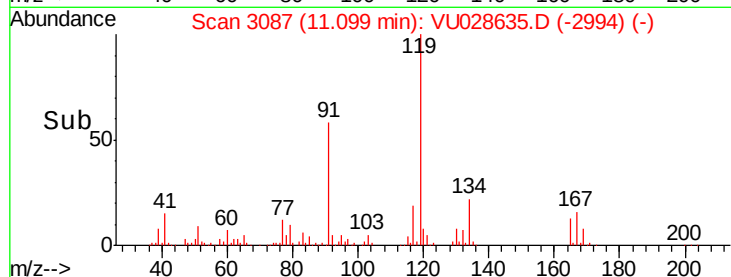
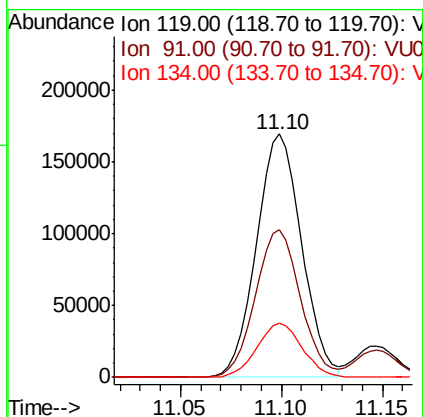
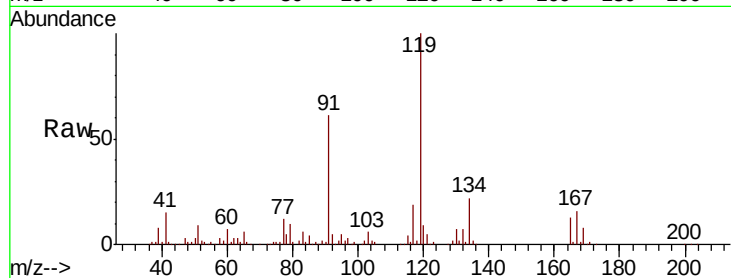




#83
tert-Butylbenzene
Concen: 49.705 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

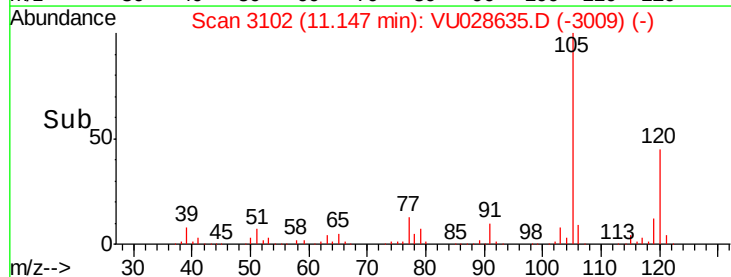
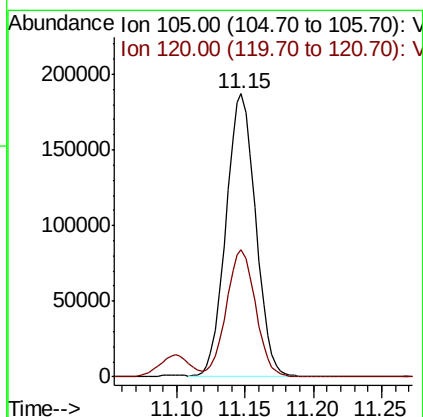
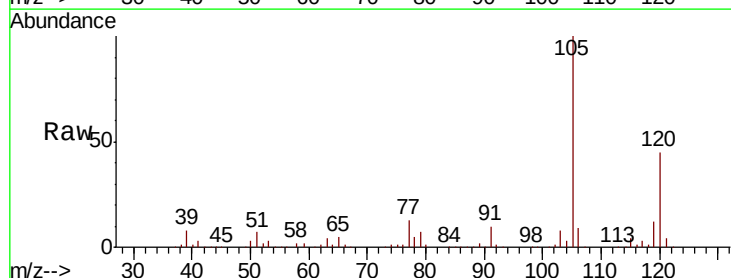
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

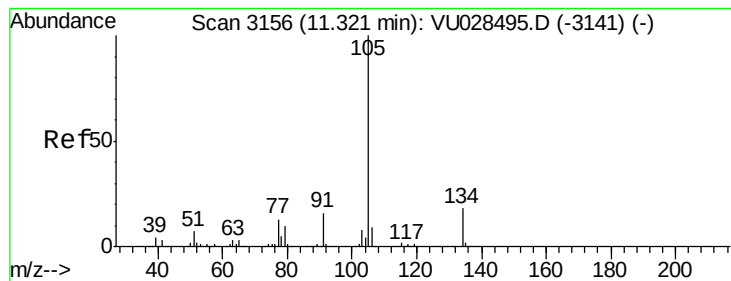
Tot Ion:119 Resp: 265153
Ion Ratio Lower Upper
119 100
91 60.6 30.3 91.0
134 22.2 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 49.687 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion:105 Resp: 283401
Ion Ratio Lower Upper
105 100
120 44.3 21.8 65.4





#85

sec-Butylbenzene

Concen: 49.274 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

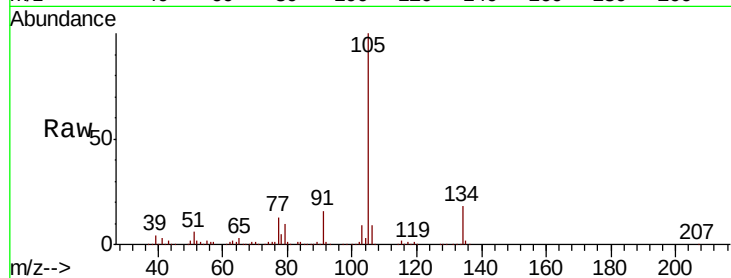
VSTDCCC050EC

Tot Ion:105 Resp: 337681

Ion Ratio Lower Upper

105 100

134 18.4 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

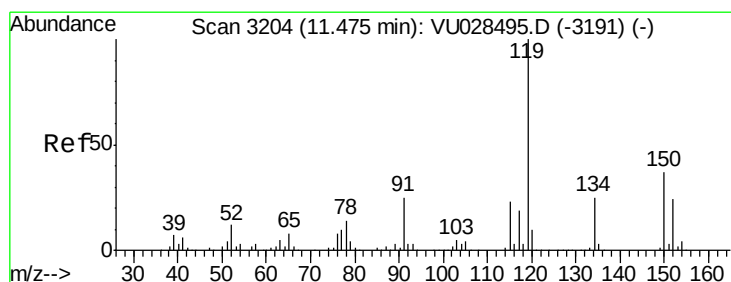
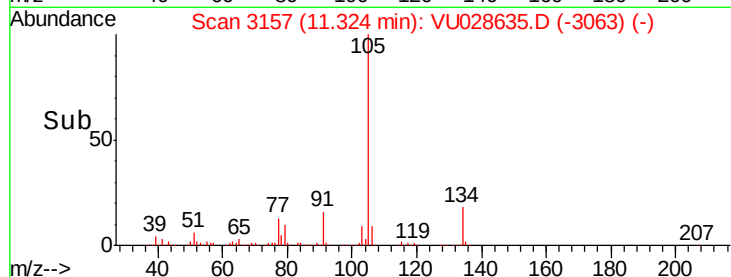
100000

50000

0

11.25 11.30 11.35 11.40

Time-->



#86

p-Isopropyltoluene

Concen: 49.255 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

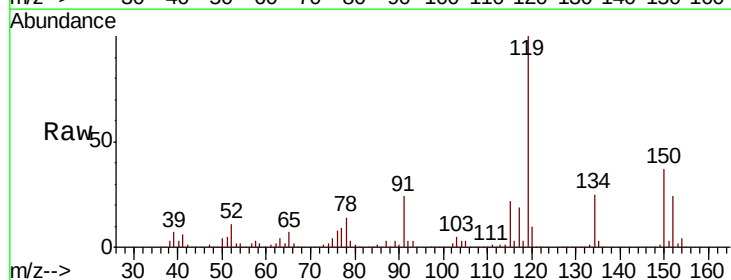
Tgt Ion:119 Resp: 286737

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 24.3 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): VU0

250000

200000

150000

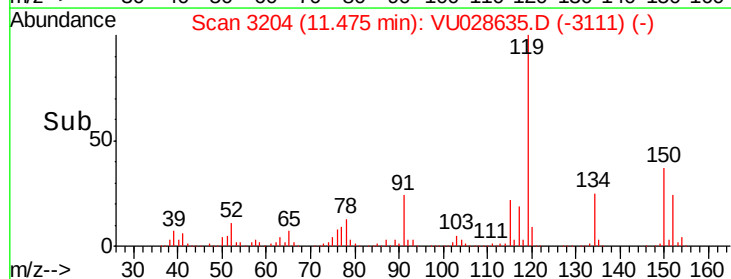
100000

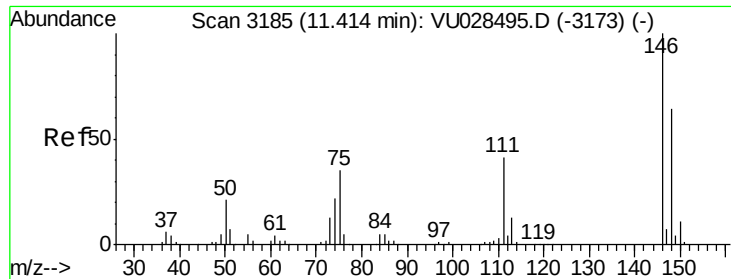
50000

0

11.40 11.45 11.50 11.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.520 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

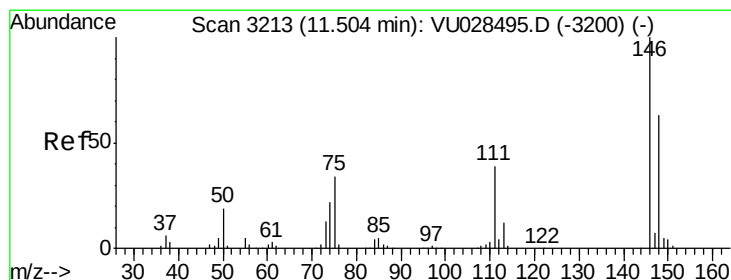
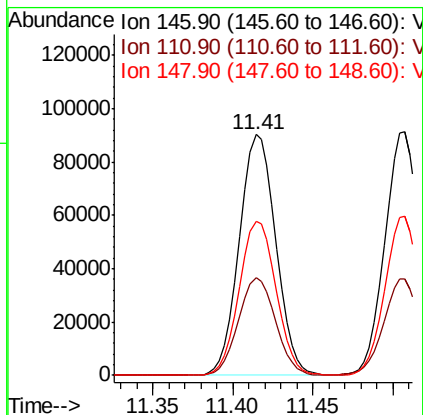
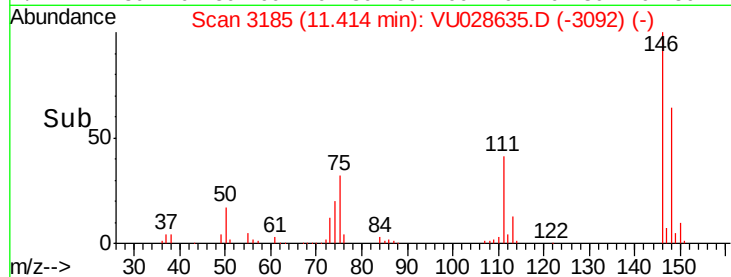
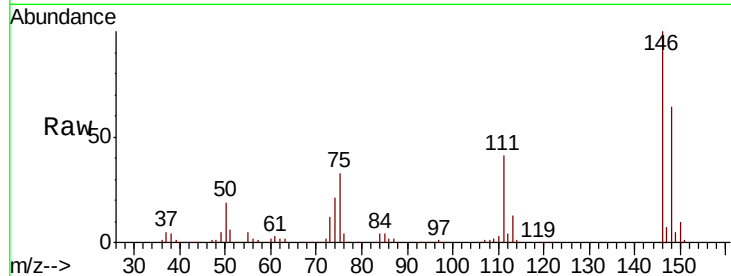
Tot Ion:146 Resp: 140310

Ion Ratio Lower Upper

146 100

111 41.2 20.7 62.1

148 64.8 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 46.628 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

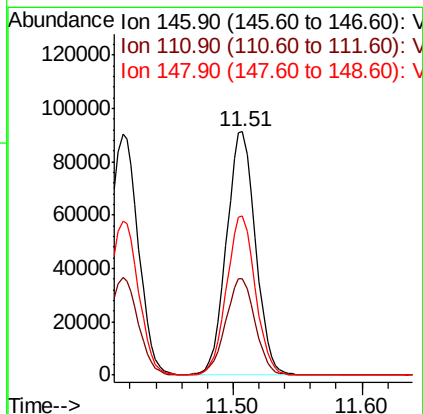
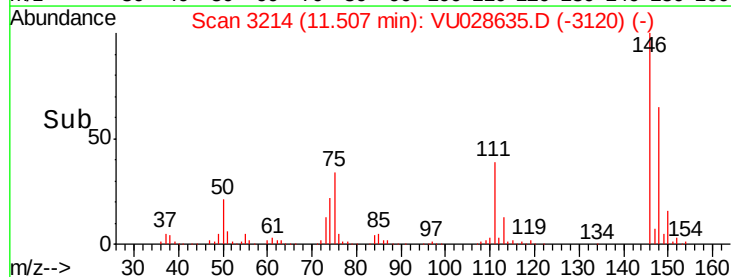
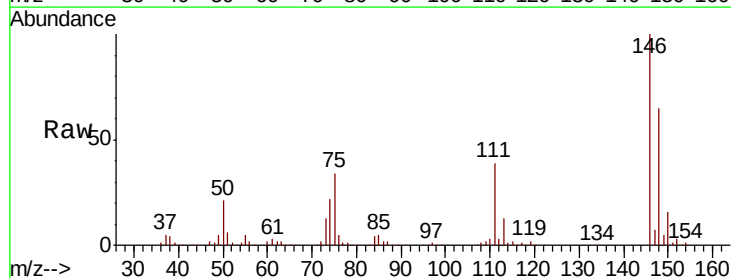
Tgt Ion:146 Resp: 142441

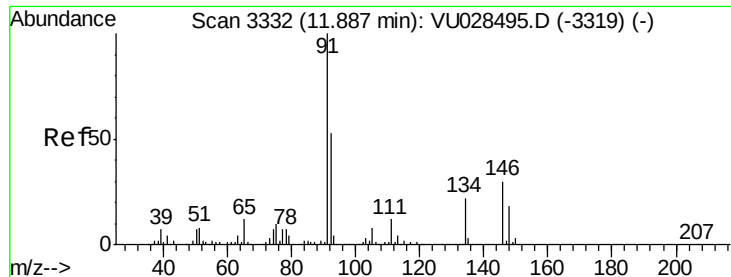
Ion Ratio Lower Upper

146 100

111 40.4 20.2 60.5

148 64.9 31.6 95.0

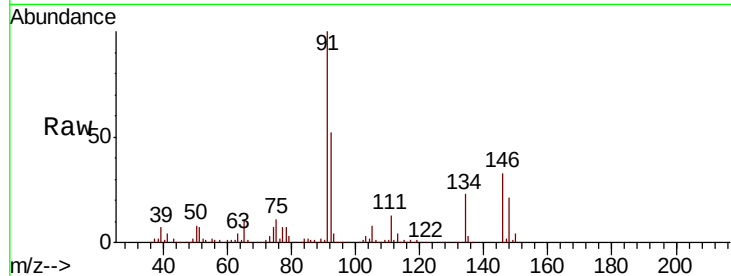




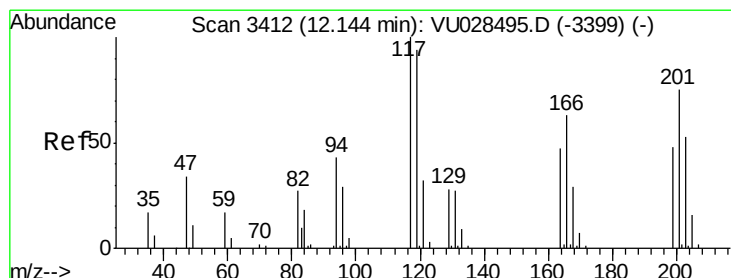
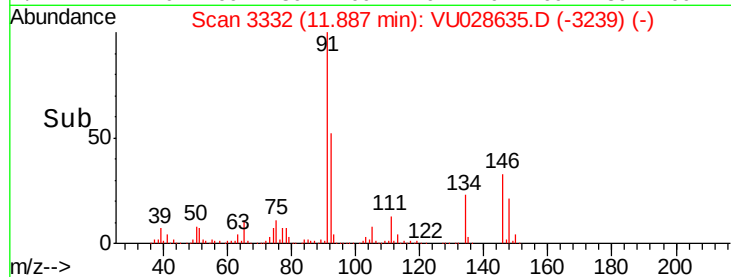
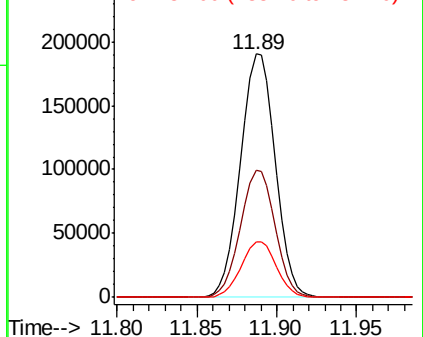
#89
n-Butylbenzene
Concen: 47.695 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 280999
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.9
134 23.1 11.3 33.8

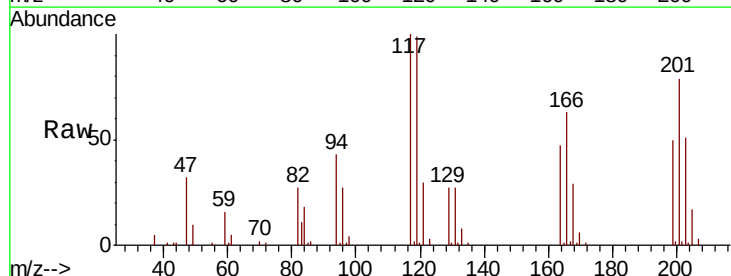


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

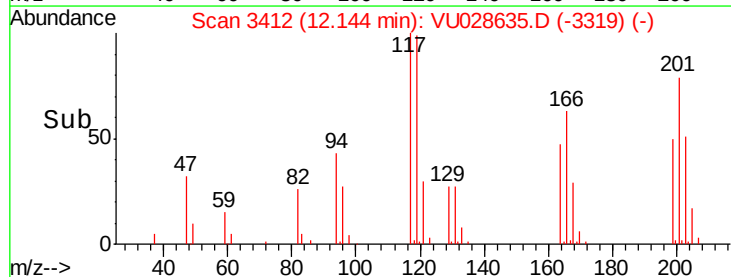
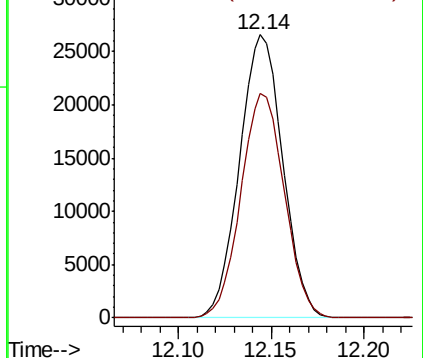


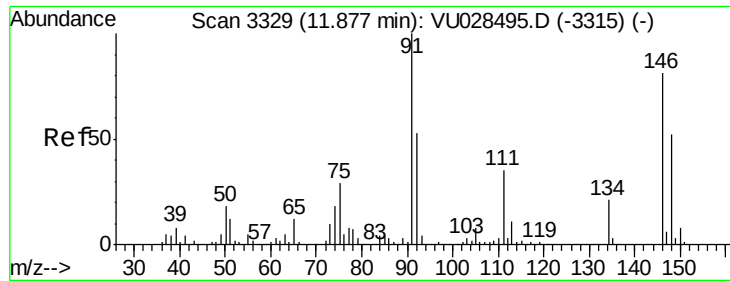
#90
Hexachloroethane
Concen: 48.908 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 117 Resp: 43034
Ion Ratio Lower Upper
117 100
201 80.0 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

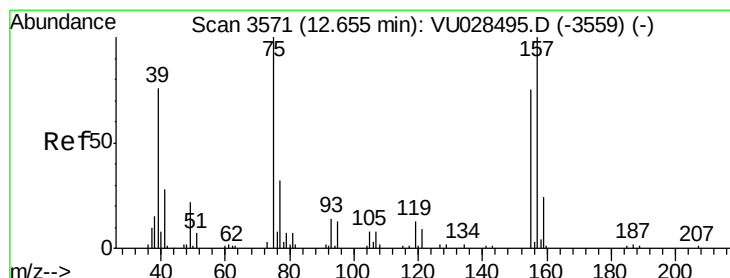
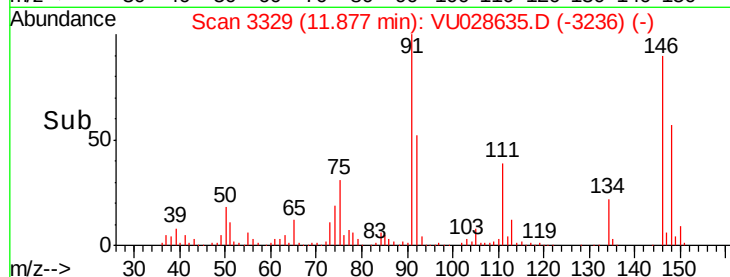
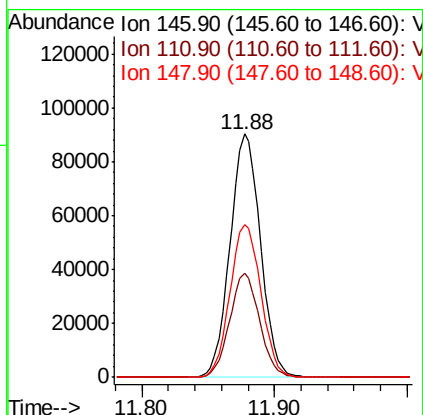
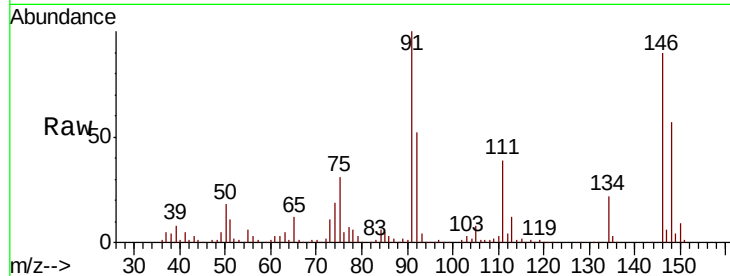




#91
 1,2-Dichlorobenzene
 Concen: 48.714 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

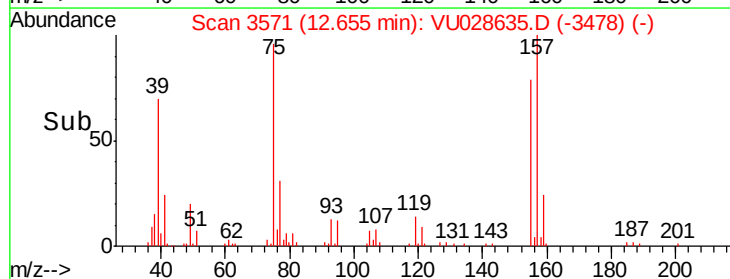
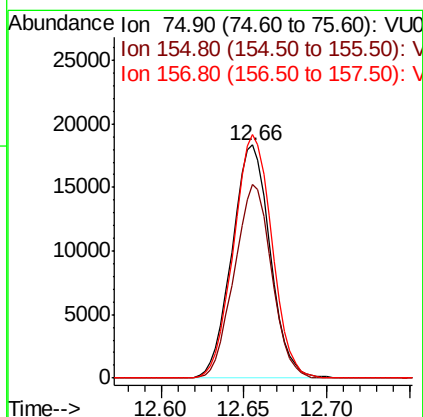
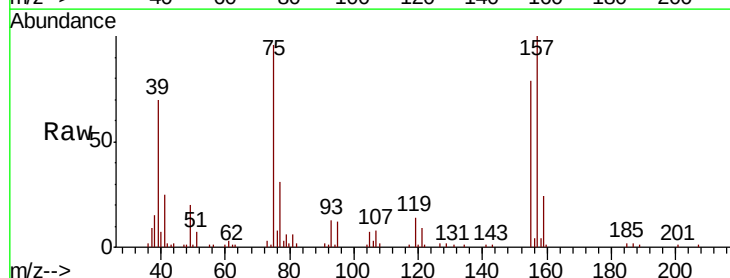
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

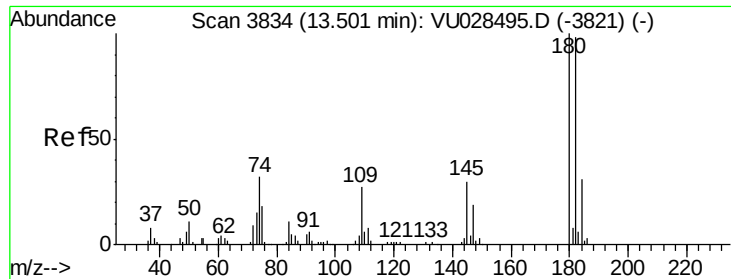
Tot Ion:146 Resp: 143877
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.4
 148 63.6 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.785 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 75 Resp: 29351
 Ion Ratio Lower Upper
 75 100
 155 81.0 38.1 114.5
 157 104.9 48.7 146.1

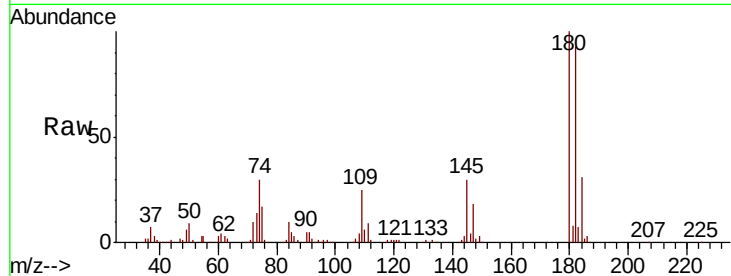




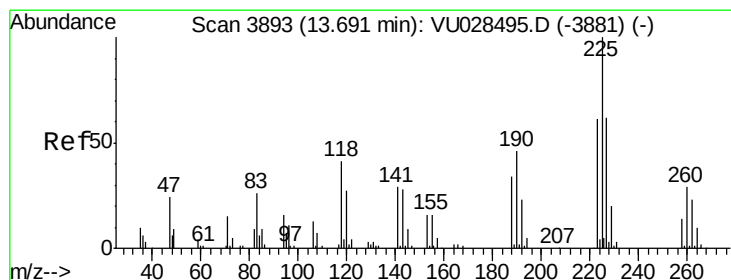
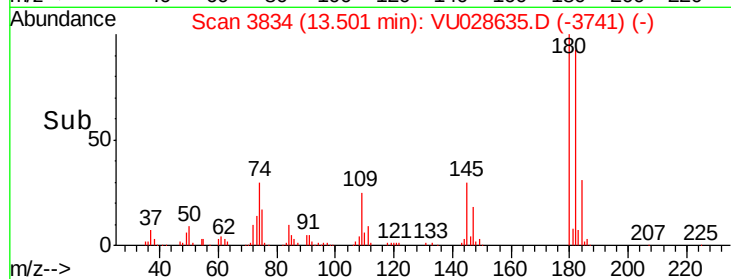
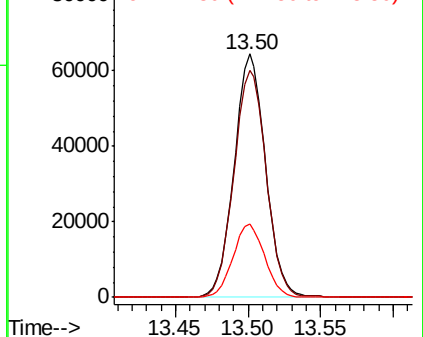
#93
 1,2,4-Trichlorobenzene
 Concen: 47.786 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 96905
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.8
 145 30.3 15.0 45.1

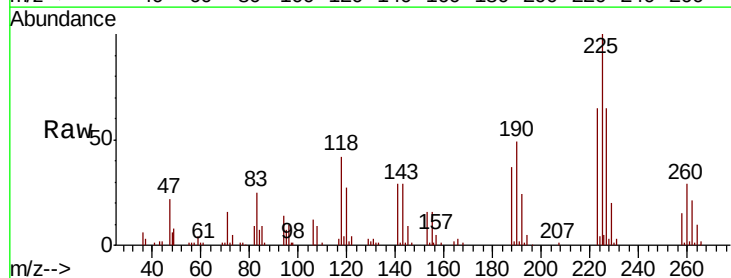


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

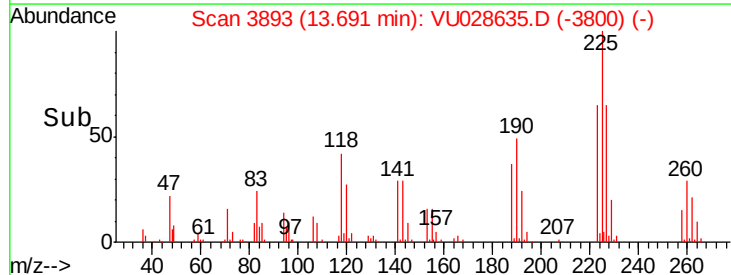
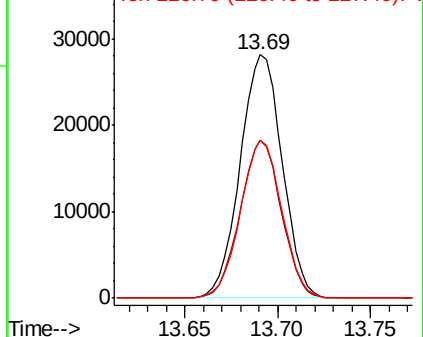


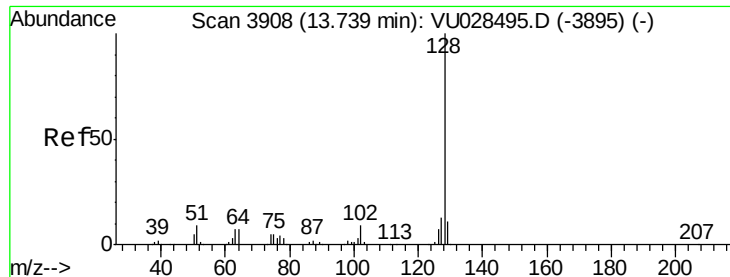
#94
 Hexachlorobutadiene
 Concen: 45.837 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion:225 Resp: 44346
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.4 91.2
 227 64.0 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: 49.846 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

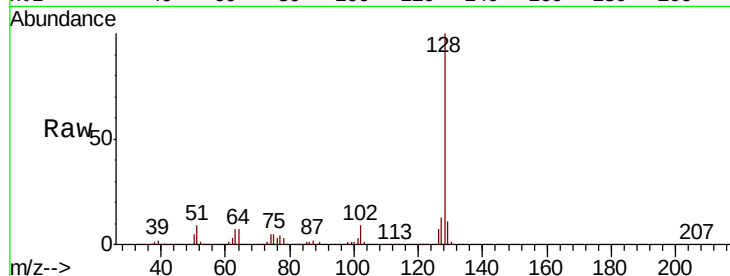
Tot Ion:128 Resp: 353267

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

128 100

127 12.9 10.4 15.6

129 10.9 8.6 13.0

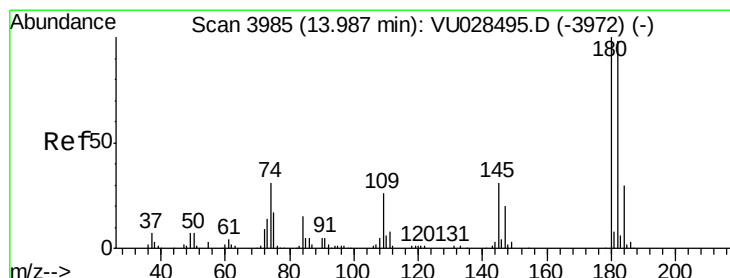
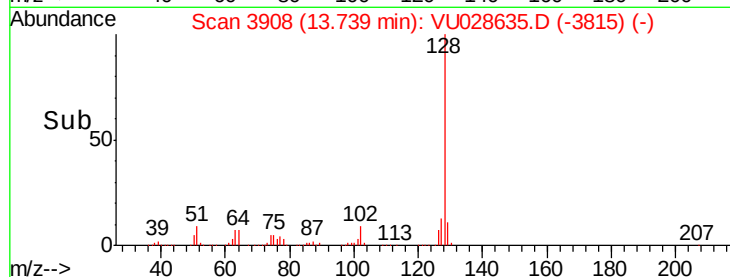
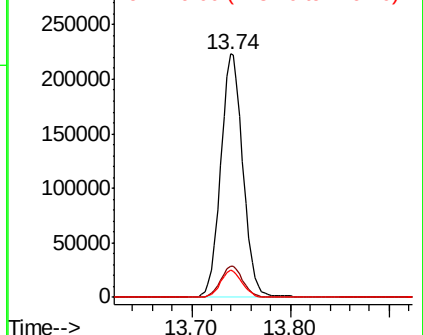


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.442 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

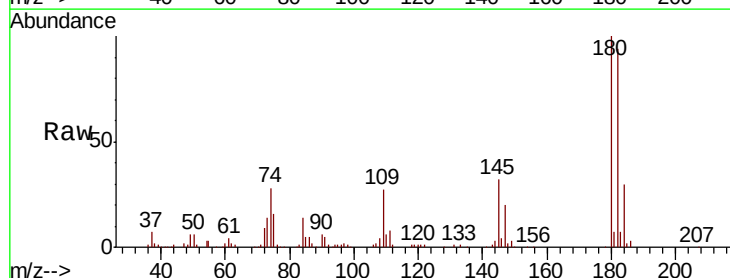
Tgt Ion:180 Resp: 101890

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.2	144.6
145	31.6	15.8	47.3

180 100

182 94.9 48.2 144.6

145 31.6 15.8 47.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

