

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
 Data File : VU028494.D
 Acq On : 06 Dec 2018 12:10
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 07 00:13:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	103081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	183915	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	30596	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	
35) Dibromofluoromethane	4.88	113	21388	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	
50) Toluene-d8	7.57	98	84793	18.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.04%	
62) 4-Bromofluorobenzene	10.30	95	31030	18.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	29810	21.576	ug/l	100
3) Chloromethane	1.33	50	50201	19.763	ug/l	99
4) Vinyl Chloride	1.41	62	37491	20.452	ug/l	99
5) Bromomethane	1.63	94	15586	21.107	ug/l	100
6) Chloroethane	1.70	64	21402	20.623	ug/l	100
7) Trichlorofluoromethane	1.89	101	39927	20.702	ug/l	99
8) Diethyl Ether	2.10	74	18388	20.378	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23887	20.709	ug/l	98
10) Methyl Iodide	2.41	142	17376	19.198	ug/l	99
11) Tert butyl alcohol	2.82	59	37801	107.856	ug/l	99
12) 1,1-Dichloroethene	2.29	96	23008	20.047	ug/l	98
13) Acrolein	2.20	56	27397	98.058	ug/l	98
14) Allyl chloride	2.59	41	53458	19.690	ug/l	98
15) Acrylonitrile	2.94	53	101005	103.804	ug/l	99
16) Acetone	2.32	43	104019	101.333	ug/l	99
17) Carbon Disulfide	2.48	76	82256	19.895	ug/l	99
18) Methyl Acetate	2.62	43	54928	20.642	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	89763	20.632	ug/l	99
20) Methylene Chloride	2.70	84	29872	19.741	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	27174	21.029	ug/l	94
22) Diisopropyl ether	3.57	45	109869	20.809	ug/l	97
23) Vinyl Acetate	3.52	43	448210	102.917	ug/l	100
24) 1,1-Dichloroethane	3.45	63	55809	20.193	ug/l	99
25) 2-Butanone	4.26	43	148408	105.792	ug/l	97
26) 2,2-Dichloropropane	4.23	77	44706	20.415	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	29961	20.485	ug/l	100
28) Bromochloromethane	4.55	49	27191	21.642	ug/l	100
29) Tetrahydrofuran	4.64	42	94232	104.592	ug/l	99
30) Chloroform	4.67	83	50412	20.928	ug/l	99
31) Cyclohexane	5.00	56	57430	17.714	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	41373	20.680	ug/l	98
36) 1,1-Dichloropropene	5.14	75	39002	19.379	ug/l	99
37) Ethyl Acetate	4.38	43	53067	20.398	ug/l	100
38) Carbon Tetrachloride	5.13	117	32669	20.140	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	48612	19.799	ug/l	98
40) Benzene	5.39	78	118974	20.072	ug/l	99
41) Methacrylonitrile	4.54	41	29372	20.615	ug/l	98
42) 1,2-Dichloroethane	5.40	62	41764	20.129	ug/l	98
43) Isopropyl Acetate	5.55	43	84225	20.468	ug/l	99
44) Trichloroethene	6.19	130	26575	20.164	ug/l	99
45) 1,2-Dichloropropane	6.43	63	34260	20.554	ug/l	98
46) Dibromomethane	6.56	93	19791	20.011	ug/l	98
47) Bromodichloromethane	6.76	83	38726	20.123	ug/l	99
48) Methyl methacrylate	6.62	41	41260	20.162	ug/l	99
49) 1,4-Dioxane	6.61	88	13679	423.340	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	262140	101.002	ug/l	100
52) Toluene	7.64	92	70522	20.216	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	44975	19.622	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	48515	19.510	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	27875	20.215	ug/l	96
56) Ethyl methacrylate	8.02	69	46828	19.831	ug/l	99
57) 1,3-Dichloropropane	8.24	76	50990	19.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	122875	101.591	ug/l	100
59) 2-Hexanone	8.36	43	205386	99.842	ug/l	100
60) Dibromochloromethane	8.48	129	26238	19.435	ug/l	100
61) 1,2-Dibromoethane	8.58	107	29506	20.405	ug/l	100
64) Tetrachloroethene	8.22	164	22451	19.902	ug/l	96
65) Chlorobenzene	9.12	112	72601	20.146	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	23664	20.563	ug/l	99
67) Ethyl Benzene	9.25	91	132401	19.985	ug/l	99
68) m/p-Xylenes	9.37	106	97469	40.433	ug/l	100
69) o-Xylene	9.78	106	46958	20.045	ug/l	98
70) Styrene	9.79	104	76516	19.737	ug/l	99
71) Bromoform	9.96	173	19600	20.021	ug/l #	100
73) Isopropylbenzene	10.17	105	126537	20.208	ug/l	99
74) N-amyl acetate	10.01	43	70269	19.455	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	47904	19.915	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	58727	24.945	ug/l	83
77) Bromobenzene	10.45	156	29149	19.904	ug/l	99
78) n-propylbenzene	10.58	91	154574	19.866	ug/l	100
79) 2-Chlorotoluene	10.66	91	90399	20.170	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	104430	20.147	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	58727	50.439	ug/l #	100
82) 4-Chlorotoluene	10.77	91	104785	19.729	ug/l	99
83) tert-Butylbenzene	11.10	119	100032	20.022	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	106905	20.013	ug/l	100
85) sec-Butylbenzene	11.32	105	128686	20.050	ug/l	100
86) p-Isopropyltoluene	11.48	119	107301	19.681	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	53451	19.329	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	54069	18.898	ug/l	98
89) n-Butylbenzene	11.89	91	105827	19.179	ug/l	99
90) Hexachloroethane	12.14	117	15993	19.407	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	51870	18.752	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10317	19.811	ug/l	97

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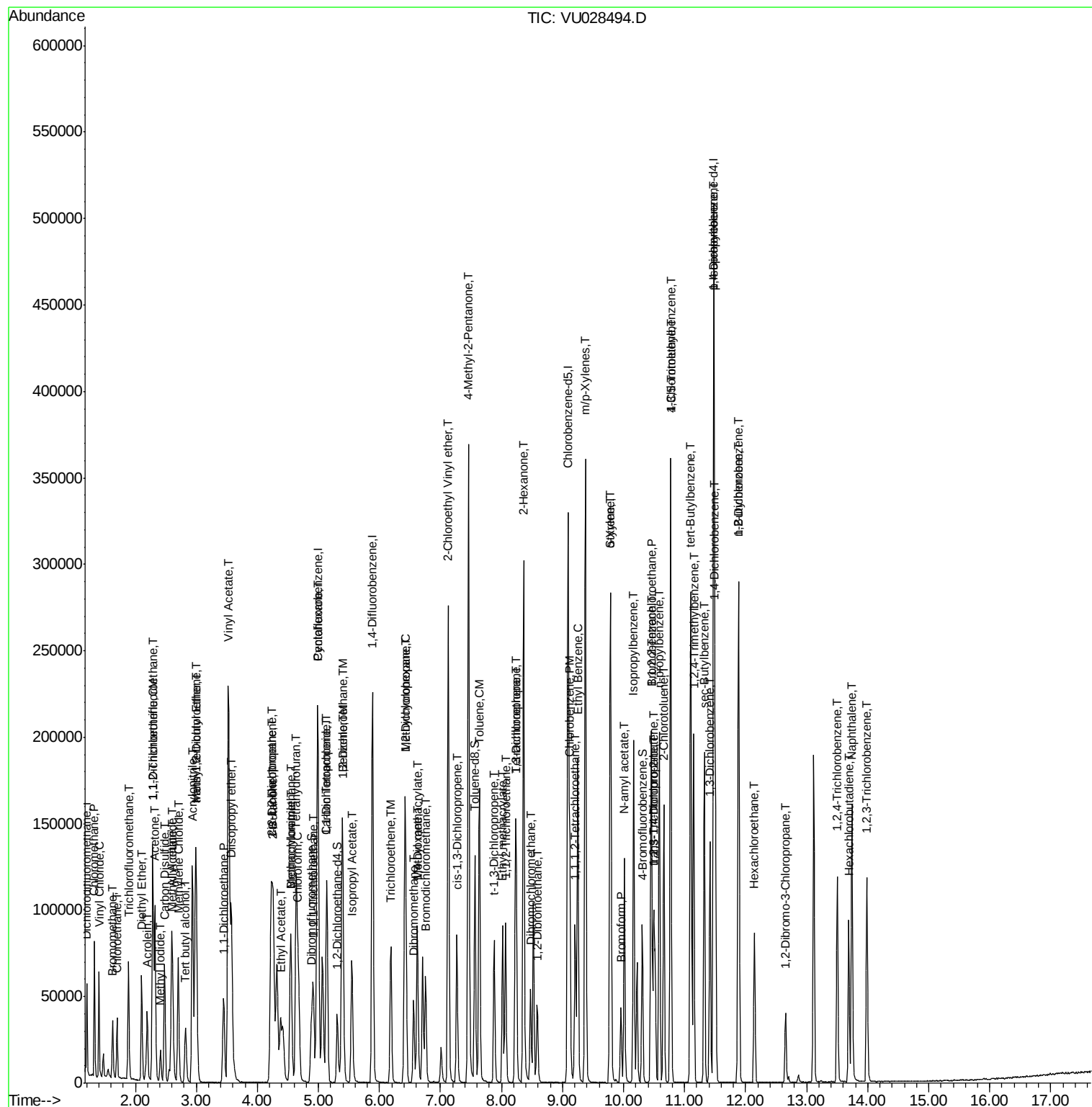
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35891	18.098	ug/l	99
94) Hexachlorobutadiene	13.69	225	17017	18.781	ug/l	97
95) Naphthalene	13.74	128	125853	18.961	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	37303	18.697	ug/l	99

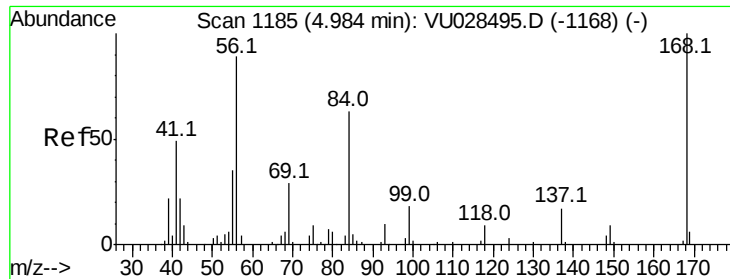
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

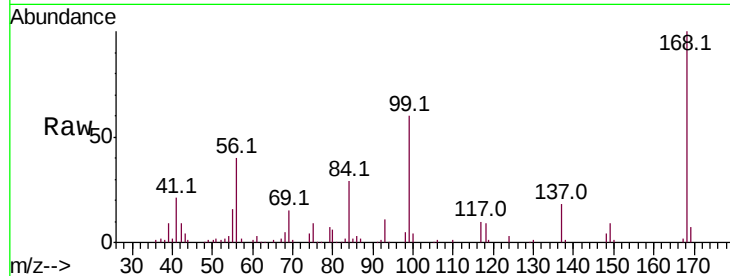
VSTDIC020

Tot Ion:168 Resp: 103081

Ion Ratio Lower Upper

168 100

99 59.7 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) (-)

4.98

50000

40000

30000

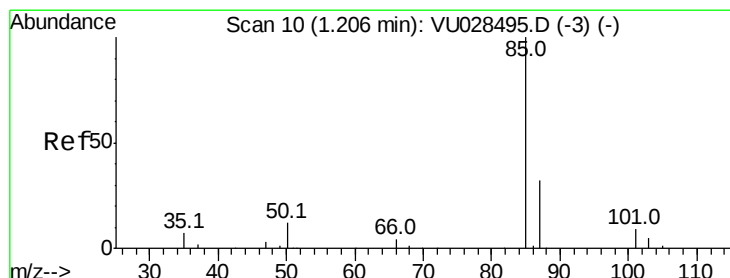
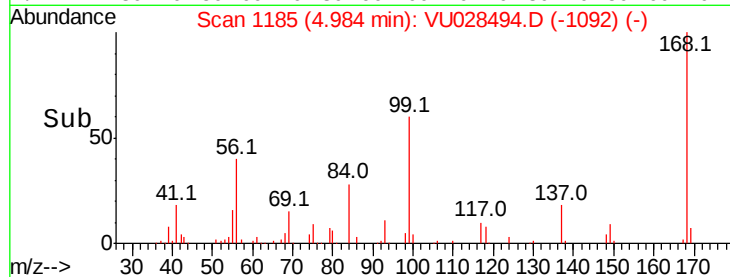
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.576 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028494.D

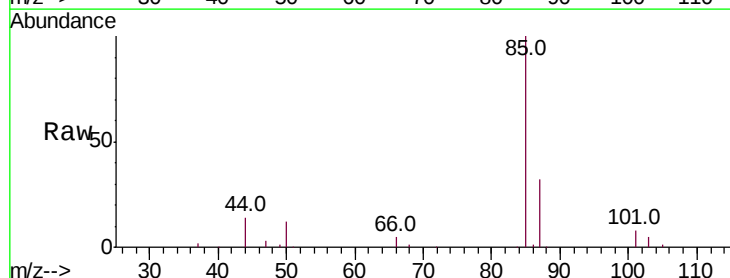
Acq: 06 Dec 2018 12:10

Tgt Ion: 85 Resp: 29810

Ion Ratio Lower Upper

85 100

87 31.7 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) (-)

1.21

30000

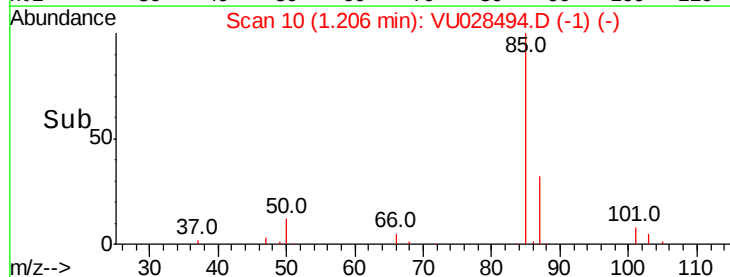
20000

10000

0

1.20 1.21 1.22 1.23 1.24 1.25

Time-->





#3

Chloromethane

Concen: 19.763 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

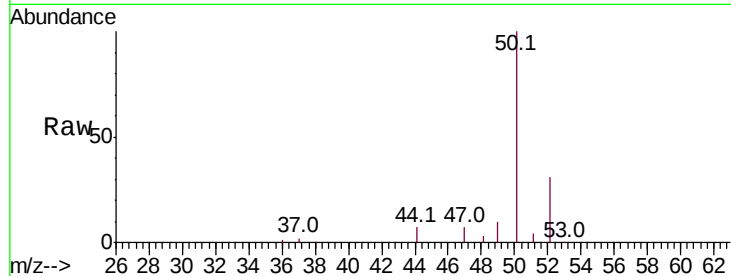
VSTDIC020

Tot Ion: 50 Resp: 50201

Ion Ratio Lower Upper

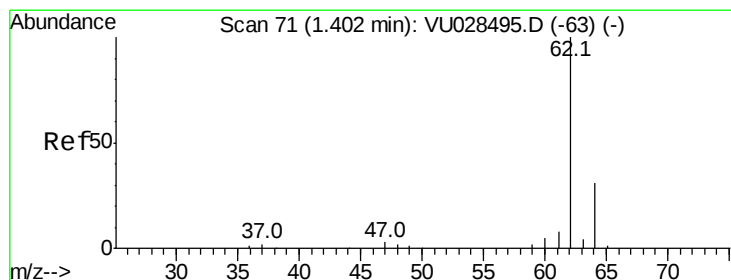
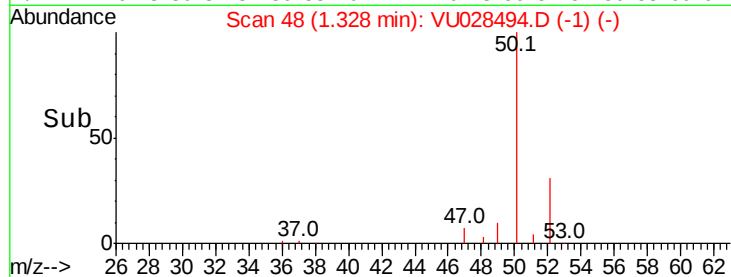
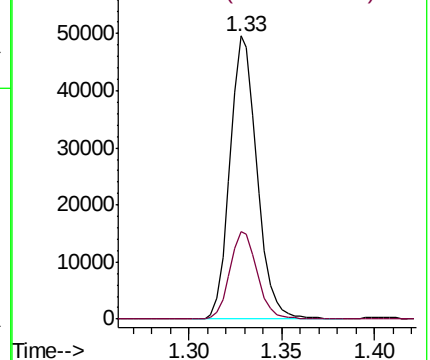
50 100

52 31.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.452 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028494.D

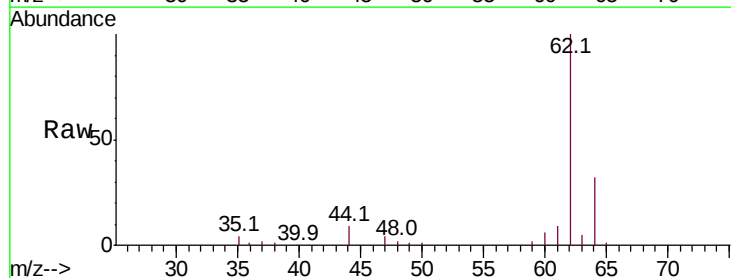
Acq: 06 Dec 2018 12:10

Tgt Ion: 62 Resp: 37491

Ion Ratio Lower Upper

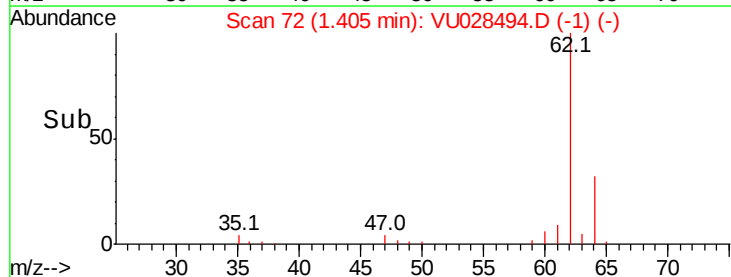
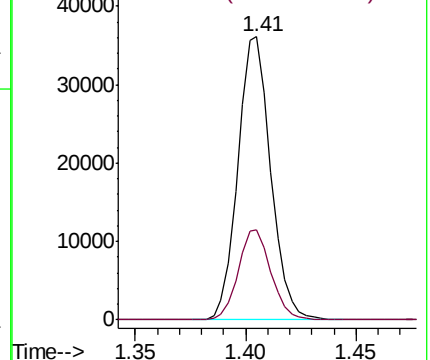
62 100

64 31.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.107 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

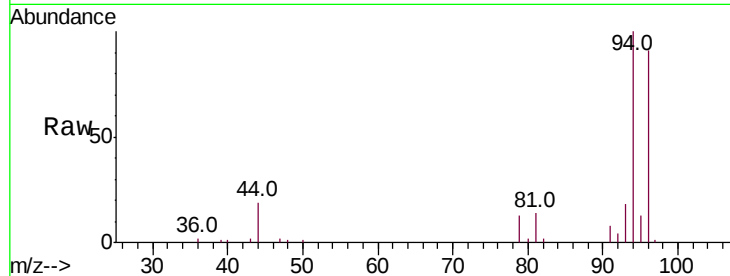
VSTDIC020

Tot Ion: 94 Resp: 15586

Ion Ratio Lower Upper

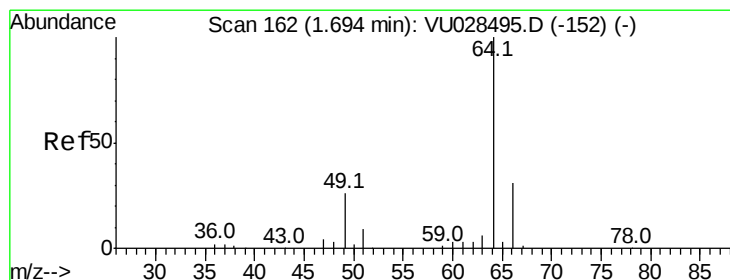
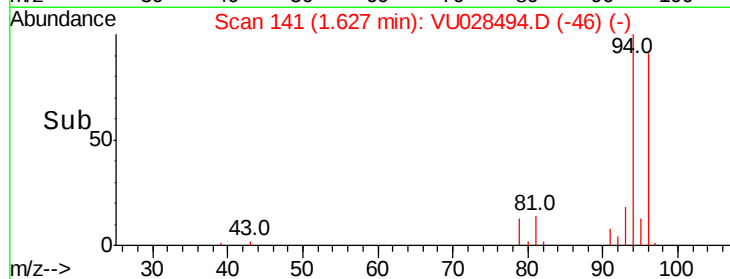
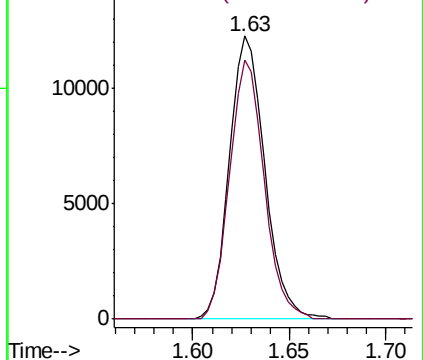
94 100

96 91.4 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: 20.623 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU028494.D

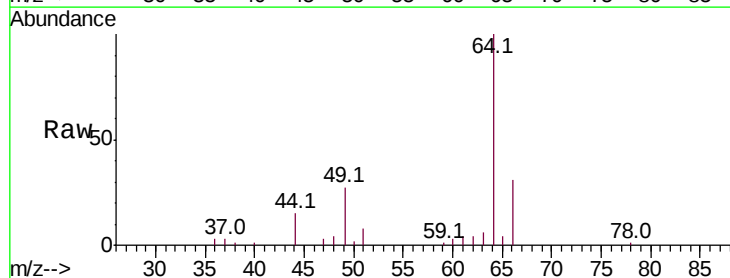
Acq: 06 Dec 2018 12:10

Tgt Ion: 64 Resp: 21402

Ion Ratio Lower Upper

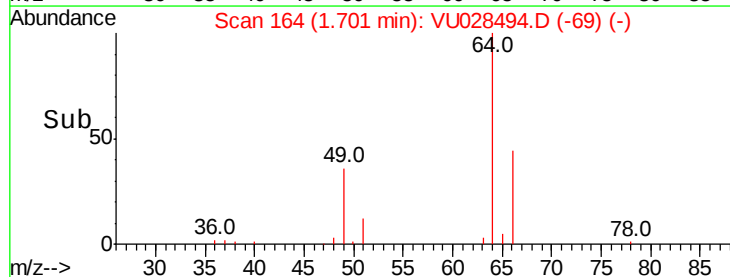
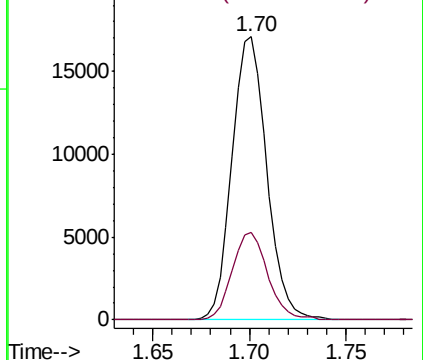
64 100

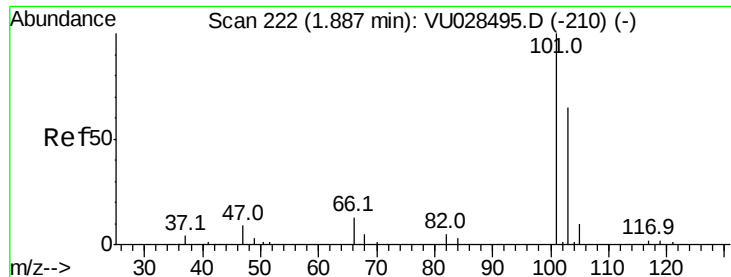
66 31.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



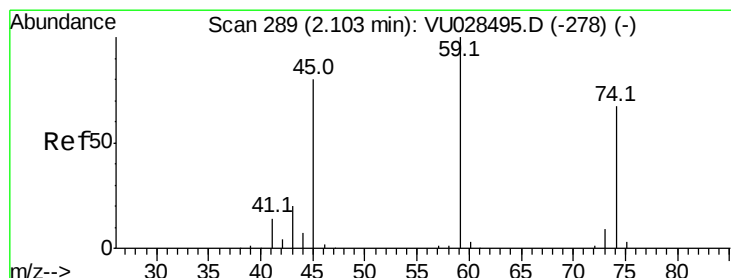
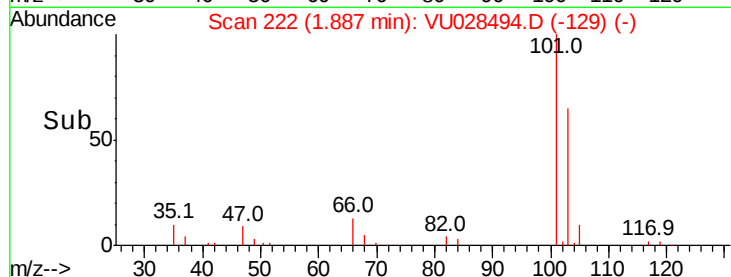
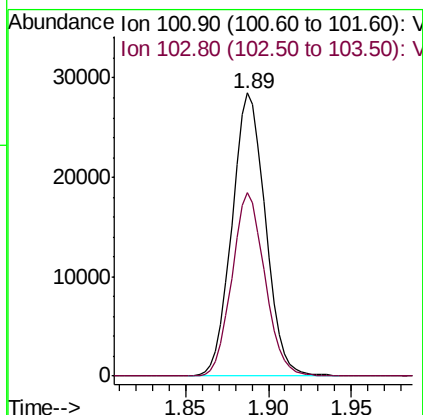
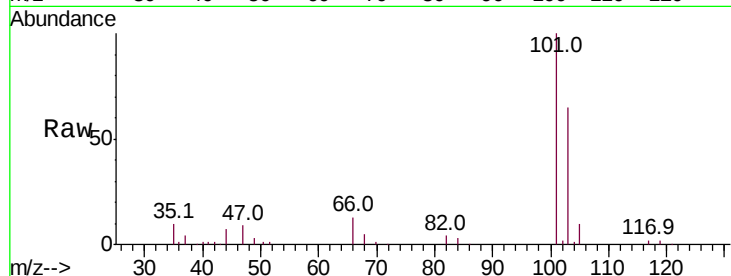


#7

Trichlorofluoromethane
 Concen: 20.702 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Instrument :
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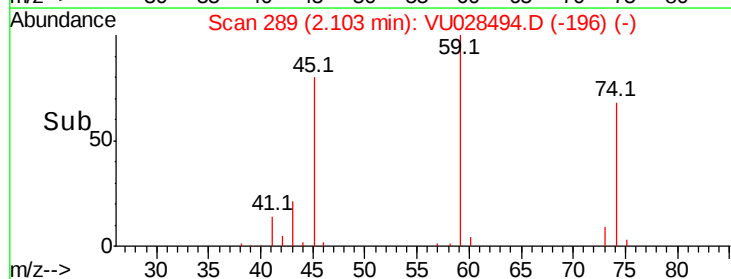
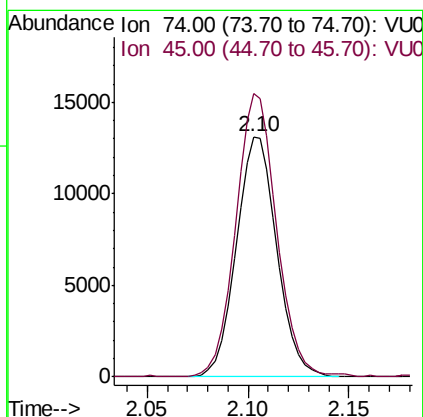
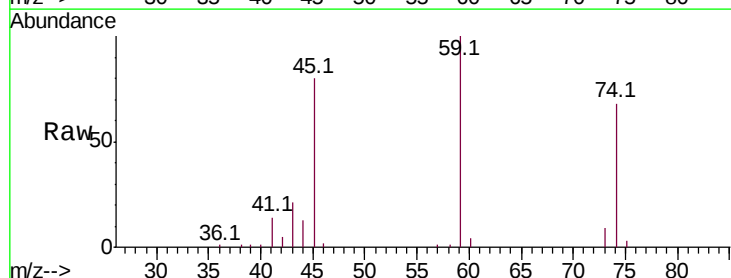
Tot Ion:101 Resp: 39927
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.3 78.5



#8

Diethyl Ether
 Concen: 20.378 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion: 74 Resp: 18388
 Ion Ratio Lower Upper
 74 100
 45 119.4 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.709 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

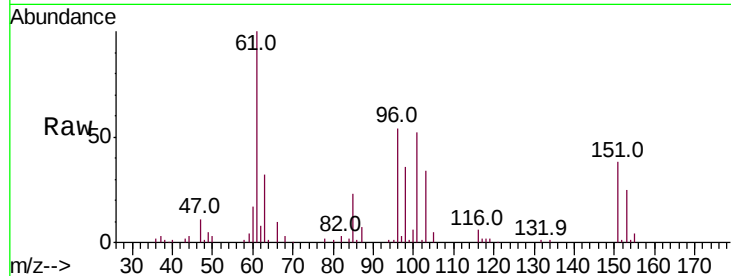
Tot Ion:101 Resp: 23887

Ion Ratio Lower Upper

101 100

85 44.0 36.4 54.6

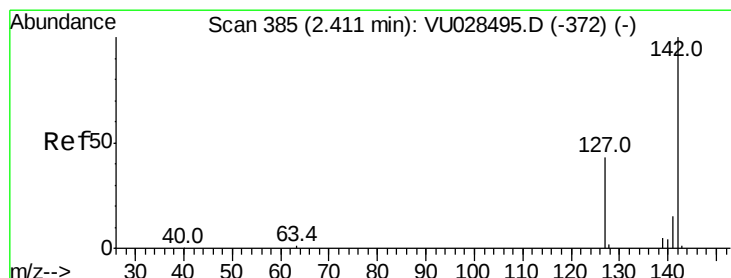
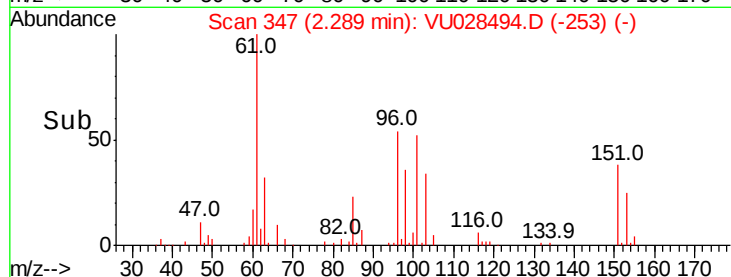
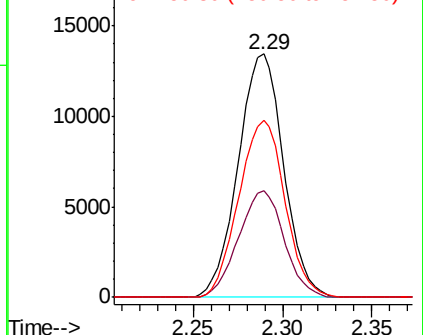
151 74.0 58.2 87.2



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: 19.198 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

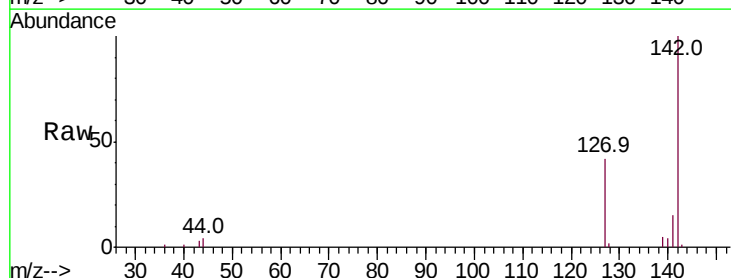
Tgt Ion:142 Resp: 17376

Ion Ratio Lower Upper

142 100

127 41.2 33.5 50.3

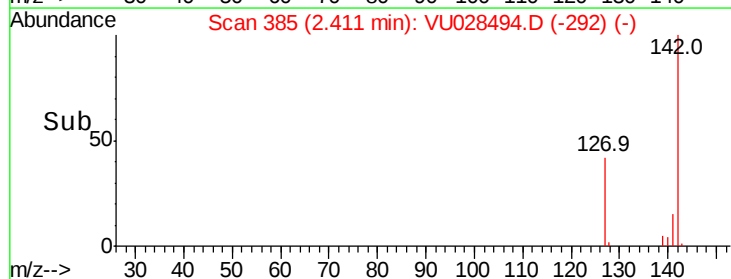
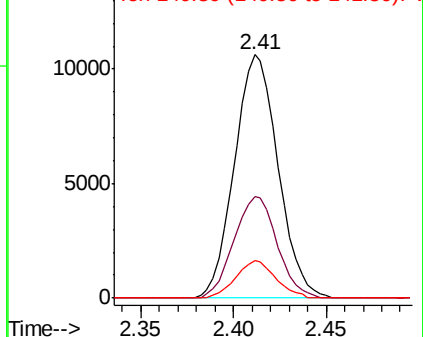
141 14.1 11.2 16.8



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



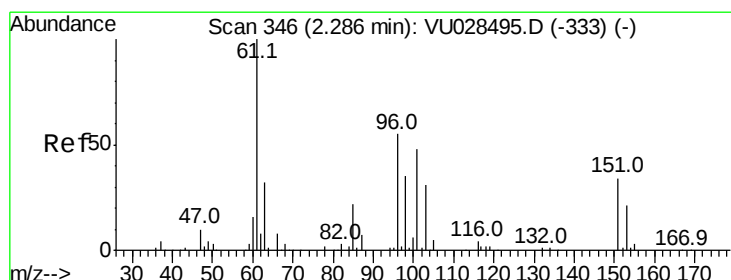
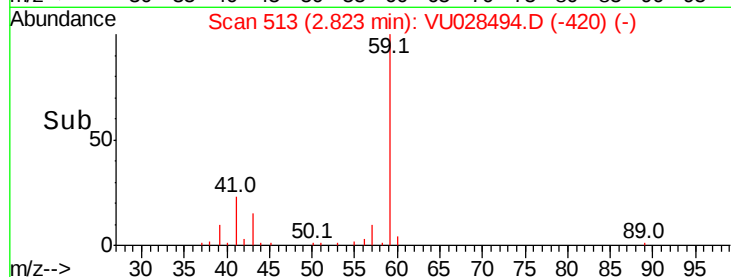
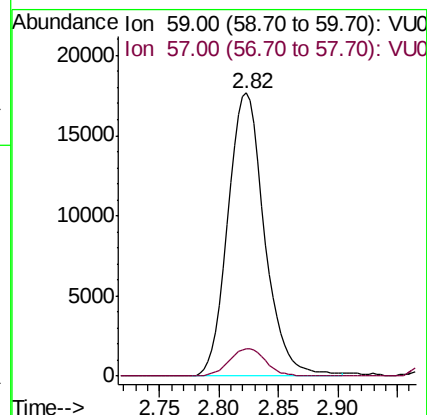
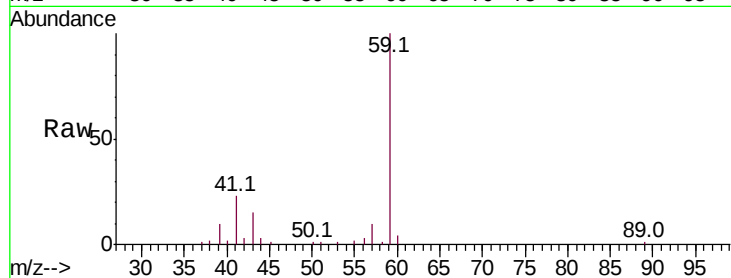


#11

Tert butyl alcohol
 Concen: 107.856 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

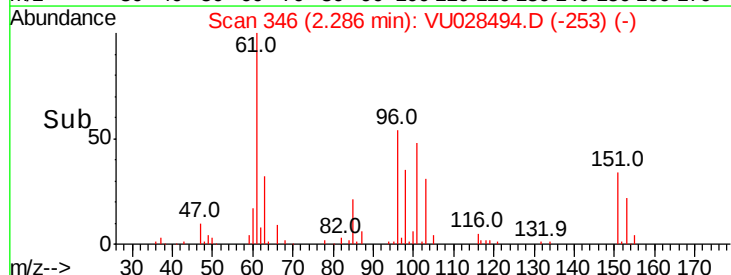
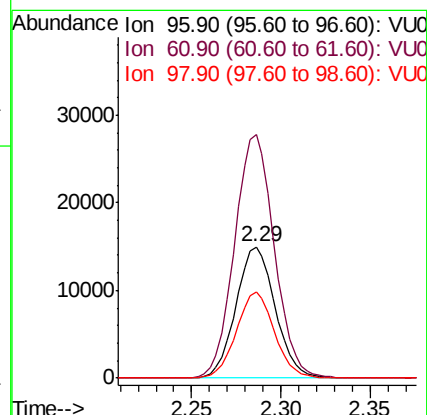
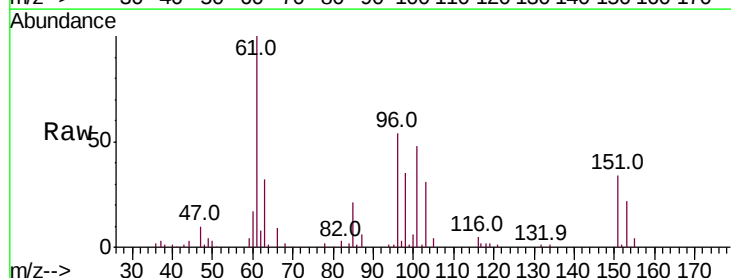
Tot Ion: 59 Resp: 37801
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.0 12.0

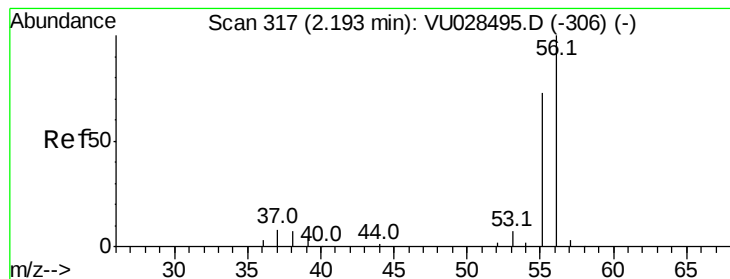


#12

1,1-Dichloroethene
 Concen: 20.047 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion: 96 Resp: 23008
 Ion Ratio Lower Upper
 96 100
 61 185.6 146.4 219.6
 98 65.5 51.8 77.8





#13

Acrolein

Concen: 98.058 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

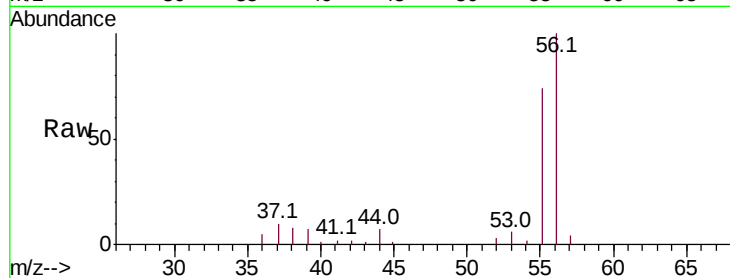
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 27397

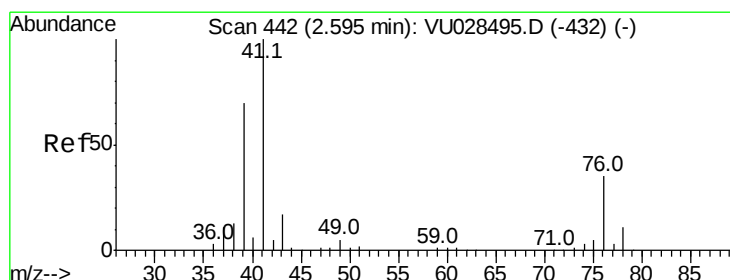
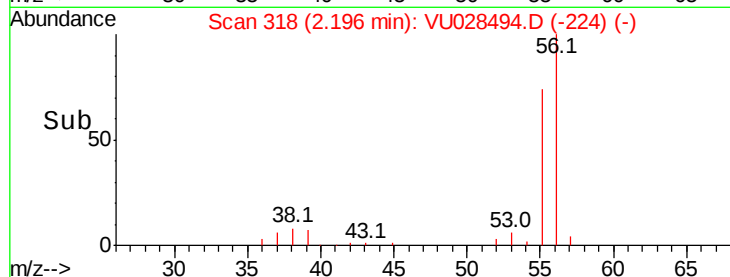
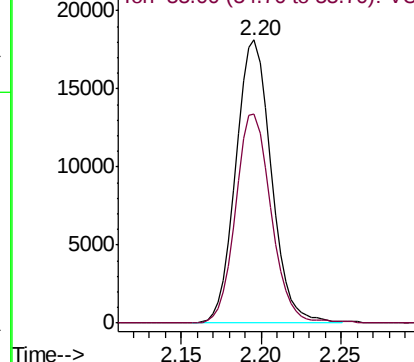
Ion Ratio Lower Upper

56 100

55 73.7 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.690 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

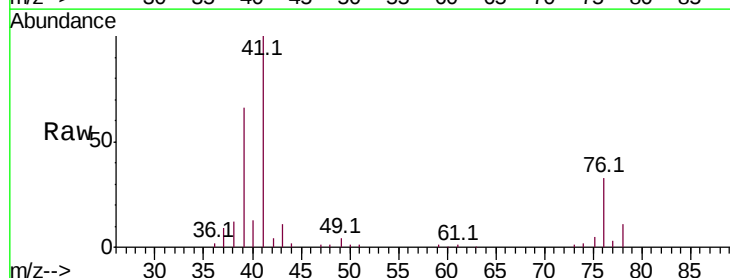
Tgt Ion: 41 Resp: 53458

Ion Ratio Lower Upper

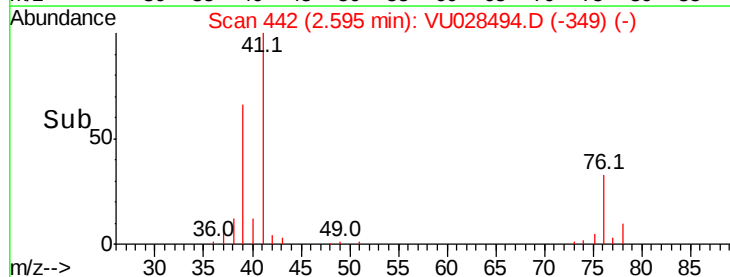
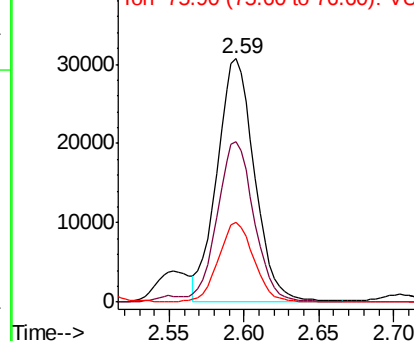
41 100

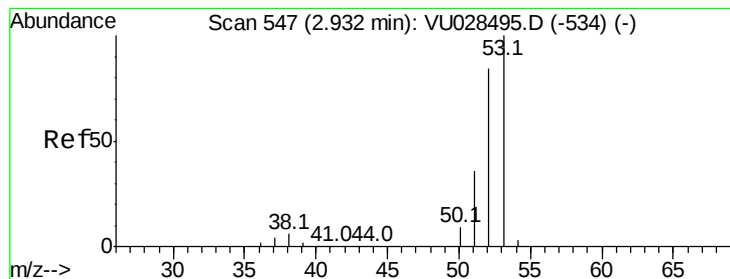
39 65.3 50.8 76.2

76 30.9 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 103.804 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

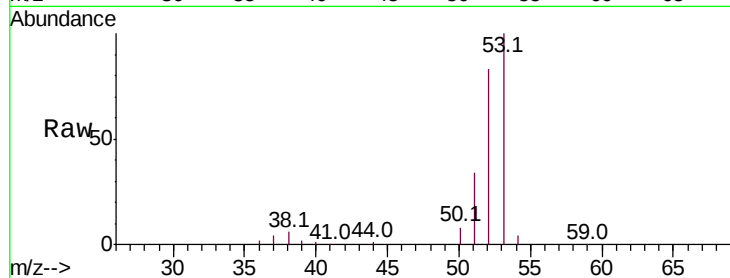
Tot Ion: 53 Resp: 101005

Ion Ratio Lower Upper

53 100

52 81.3 66.1 99.1

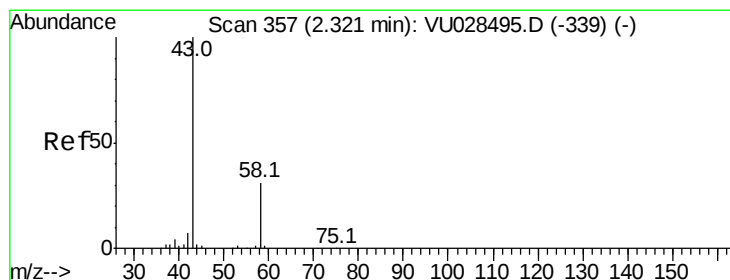
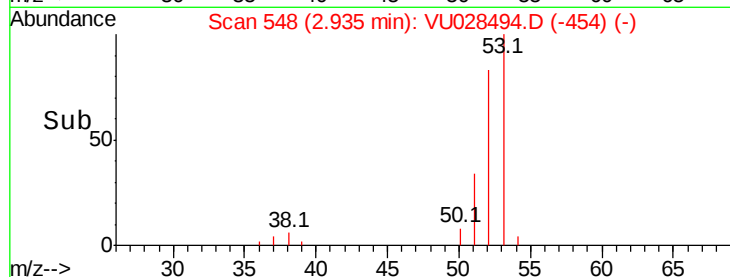
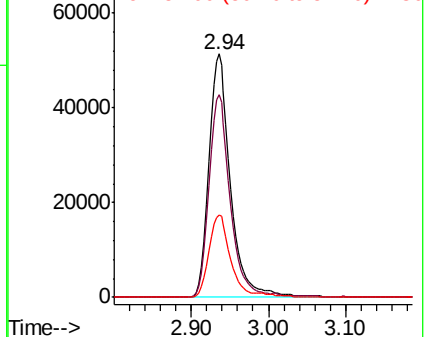
51 34.8 28.1 42.1



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: 101.333 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028494.D

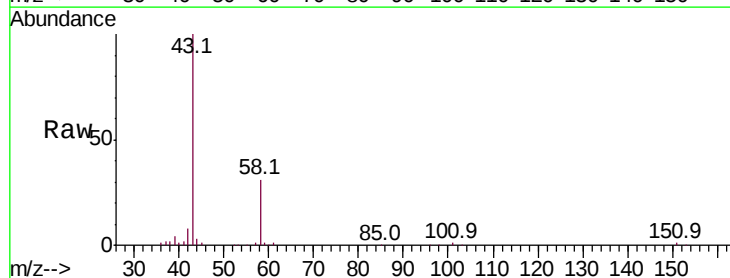
Acq: 06 Dec 2018 12:10

Tgt Ion: 43 Resp: 104019

Ion Ratio Lower Upper

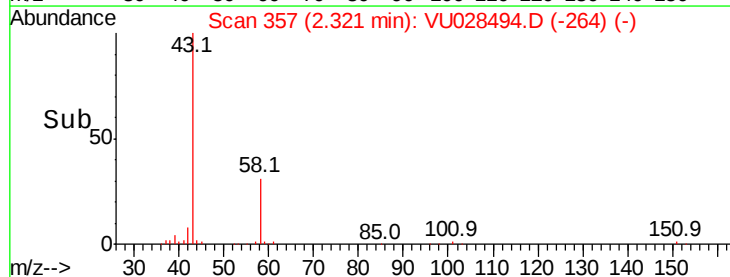
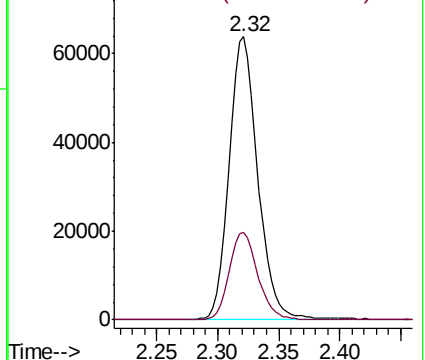
43 100

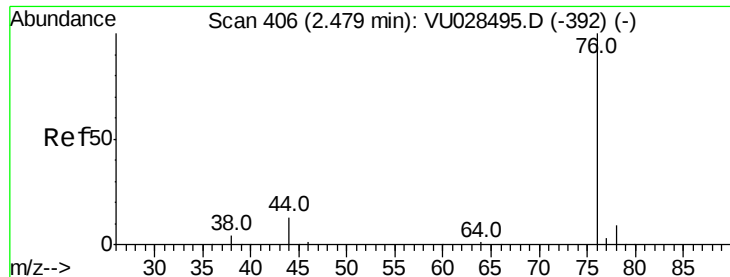
58 31.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

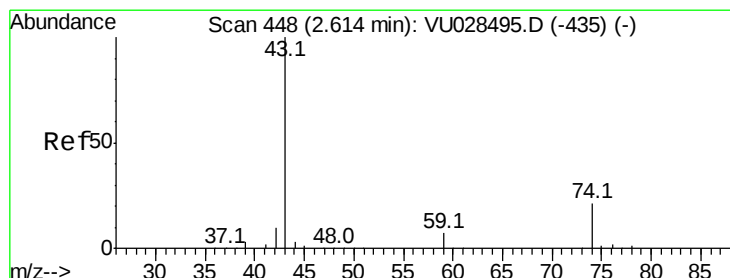
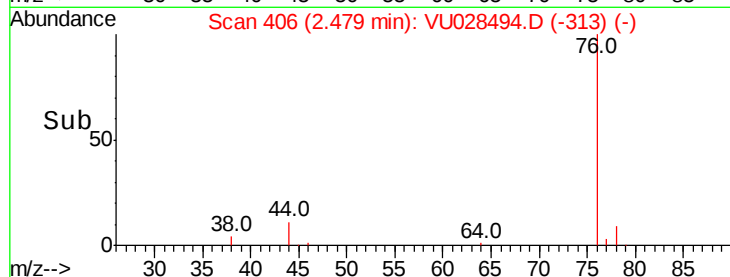
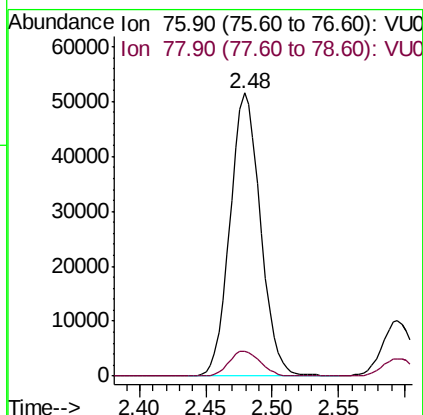
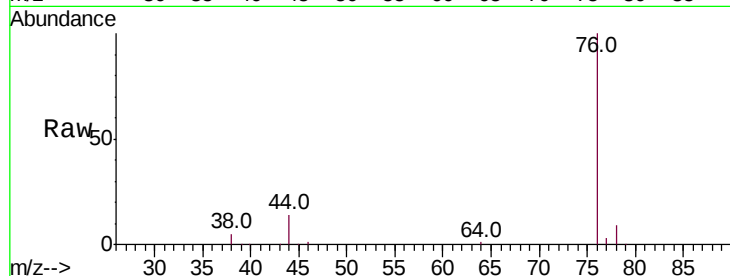




#17
Carbon Disulfide
Concen: 19.895 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

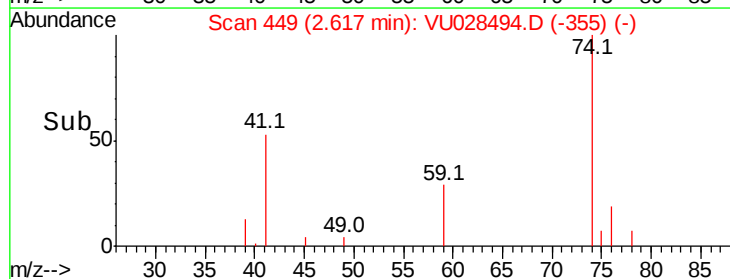
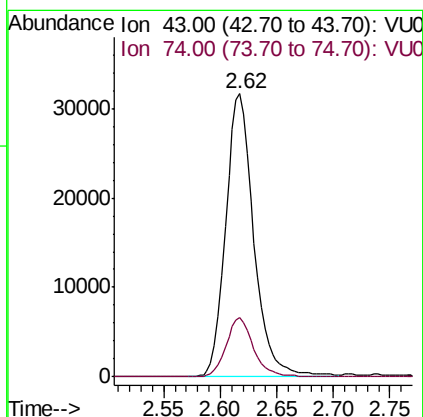
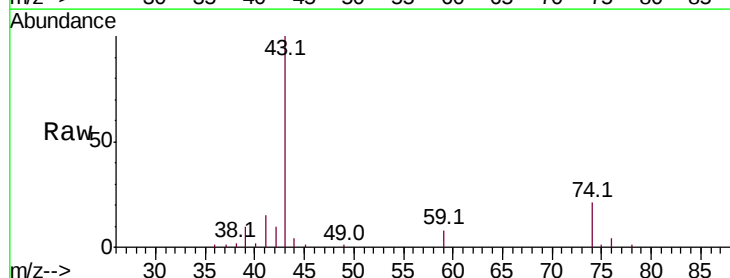
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

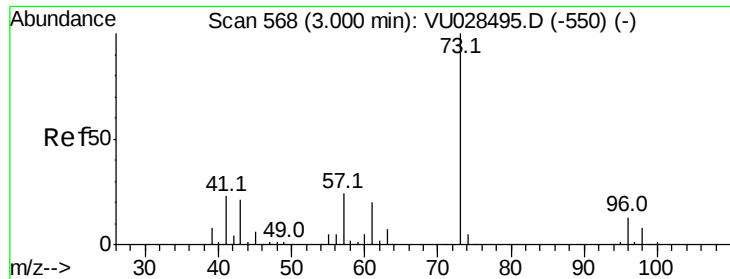
Tot Ion: 76 Resp: 82256
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 20.642 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion: 43 Resp: 54928
Ion Ratio Lower Upper
43 100
74 20.2 16.4 24.6

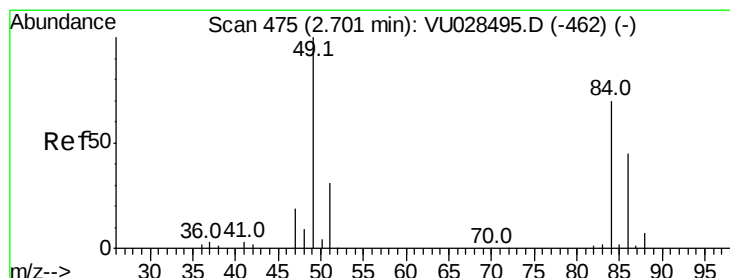
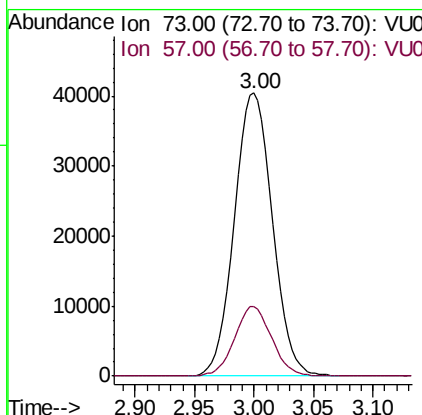
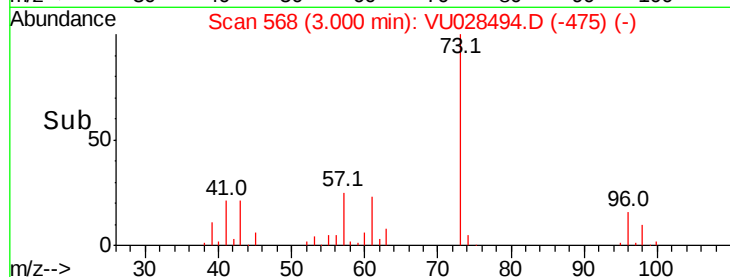
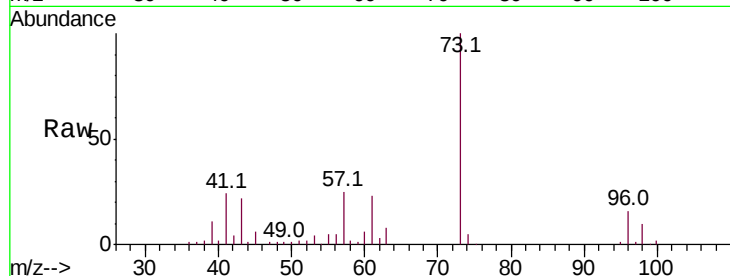




#19
Methvl tert-butvl Ether
Concen: 20.632 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

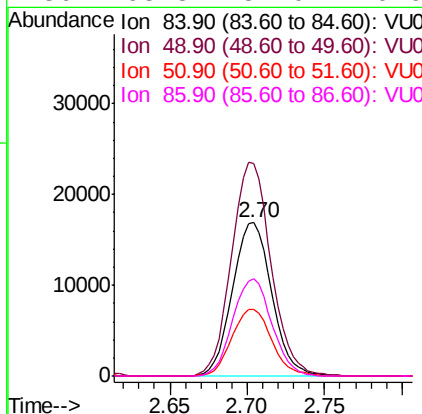
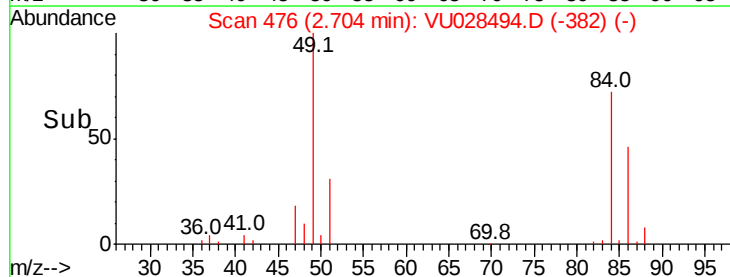
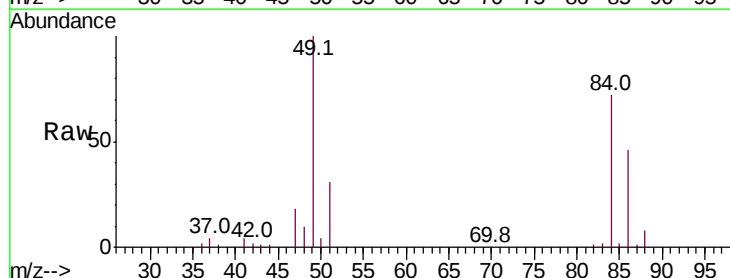
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

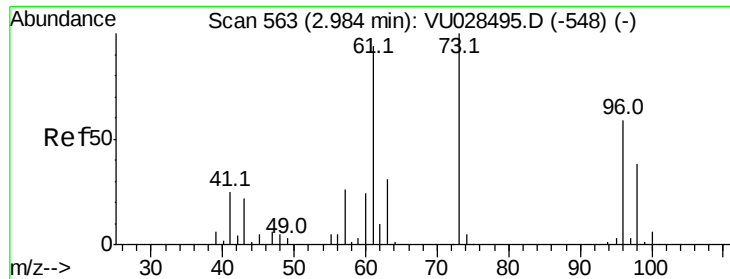
Tot Ion: 73 Resp: 89763
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.2



#20
Methylene Chloride
Concen: 19.741 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion: 84 Resp: 29872
Ion Ratio Lower Upper
84 100
49 138.9 114.0 171.0
51 43.6 35.1 52.7
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 21.029 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

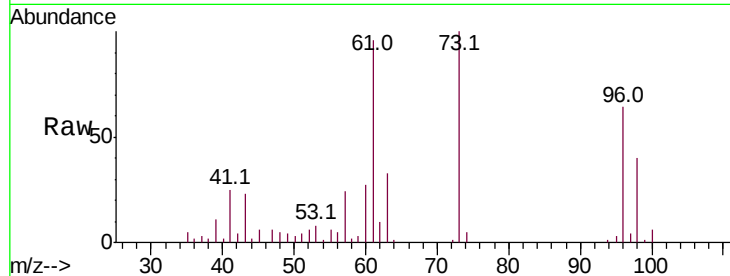
Tot Ion: 96 Resp: 27174

Ion Ratio Lower Upper

96 100

61 149.4 127.0 190.4

98 61.5 51.9 77.9

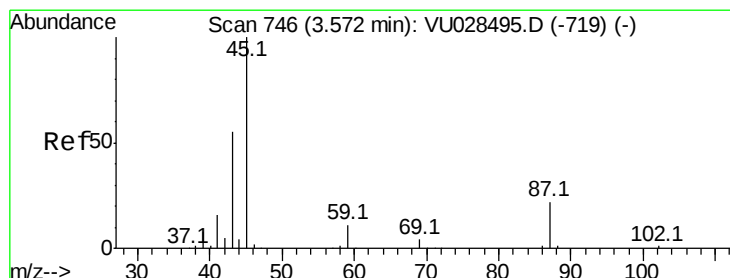
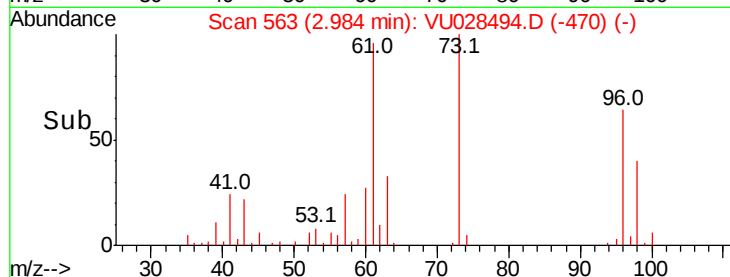
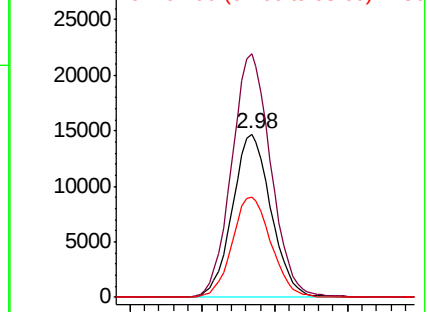


Abundance

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: 20.809 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Tgt Ion: 45 Resp: 109869

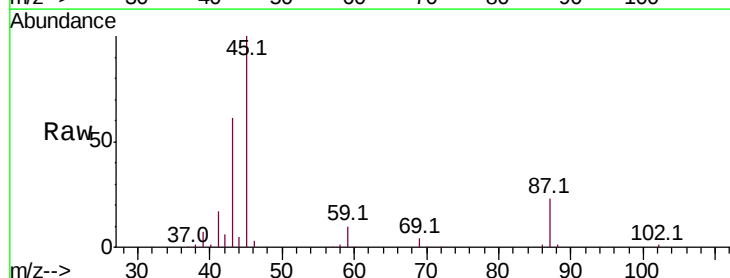
Ion Ratio Lower Upper

45 100

43 59.1 45.3 67.9

87 23.2 17.6 26.4

59 10.4 8.8 13.2



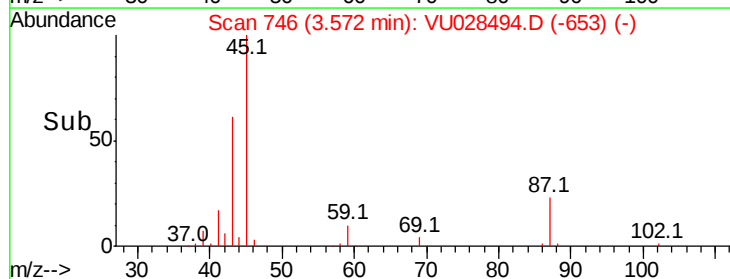
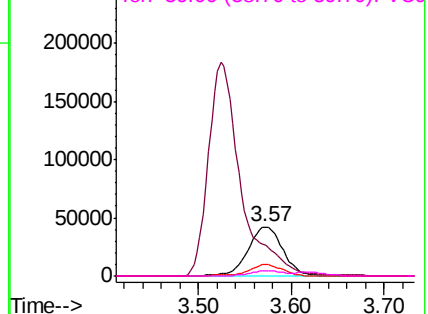
Abundance

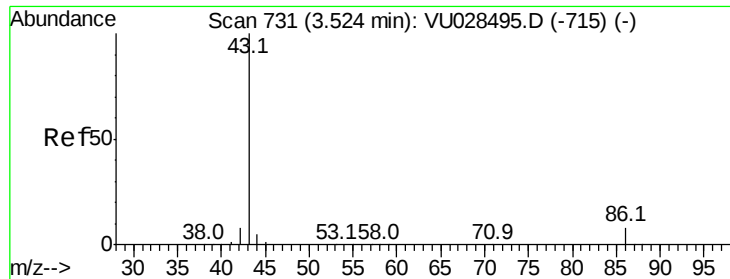
Ion 45.00 (44.70 to 45.70): VU0

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: 102.917 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

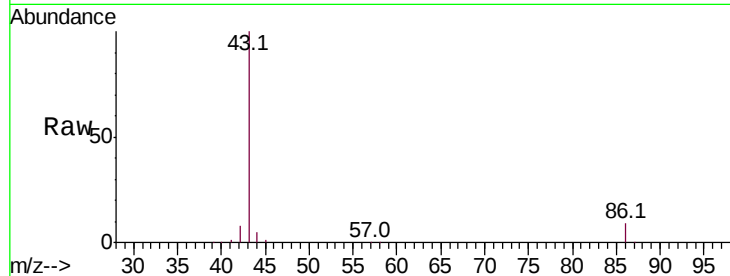
VSTDIC020

Tot Ion: 43 Resp: 448210

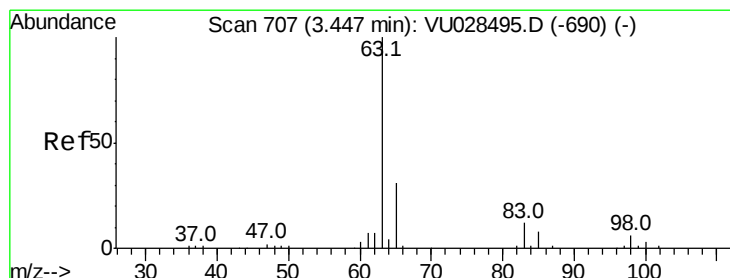
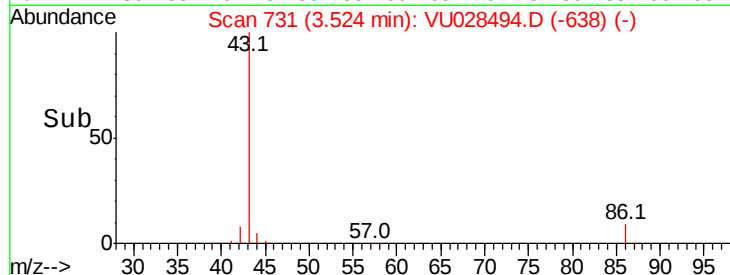
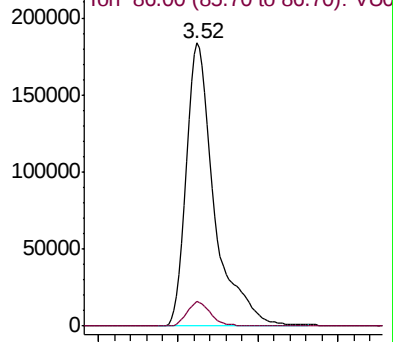
Ion Ratio Lower Upper

43 100

86 8.6 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028494.D (-715) (-)



#24

1,1-Dichloroethane

Concen: 20.193 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

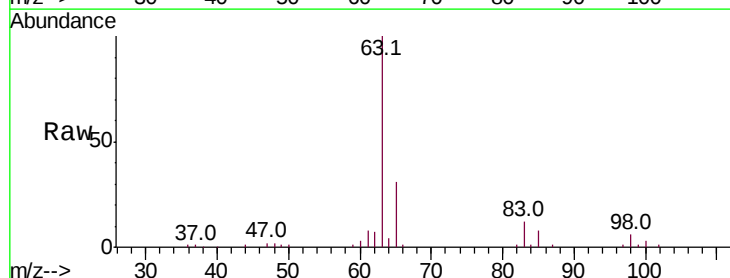
Tgt Ion: 63 Resp: 55809

Ion Ratio Lower Upper

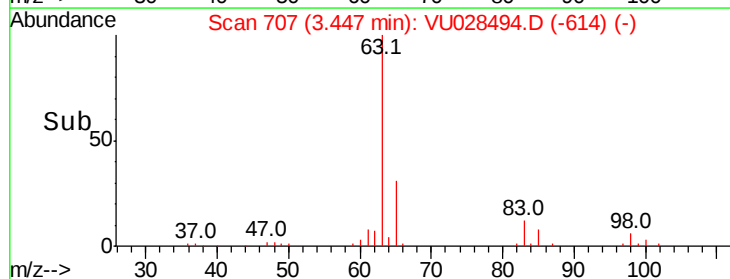
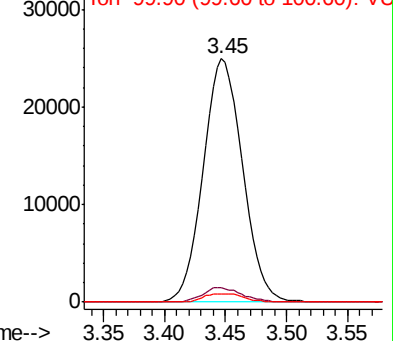
63 100

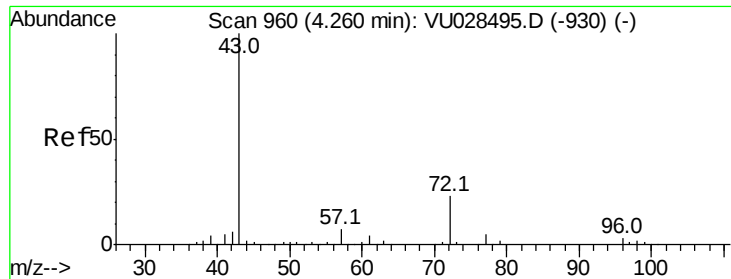
98 5.9 3.0 9.2

100 3.2 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028494.D (-614) (-)





#25

2-Butanone

Concen: 105.792 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

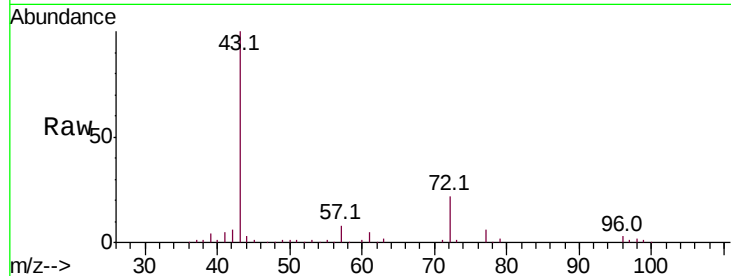
VSTDIC020

Tot Ion: 43 Resp: 148408

Ion Ratio Lower Upper

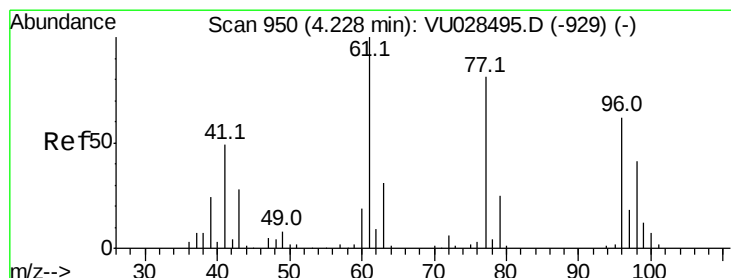
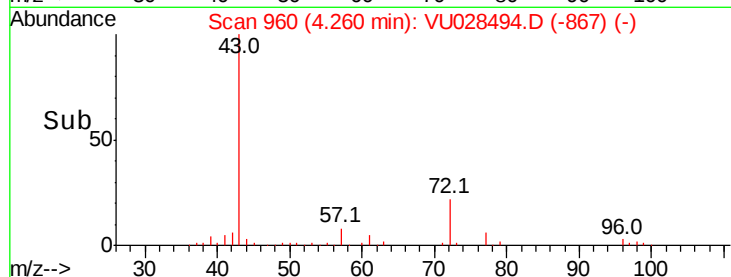
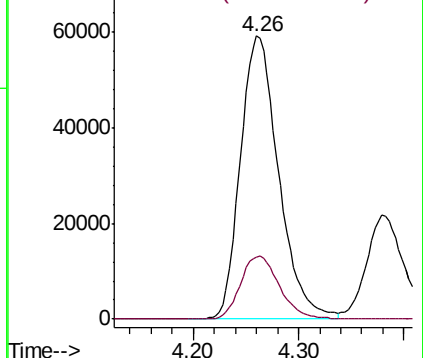
43 100

72 22.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 20.415 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028494.D

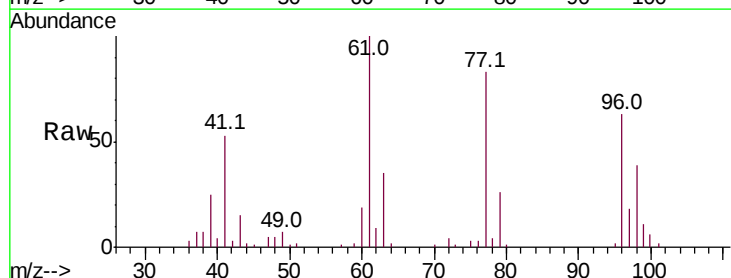
Acq: 06 Dec 2018 12:10

Tgt Ion: 77 Resp: 44706

Ion Ratio Lower Upper

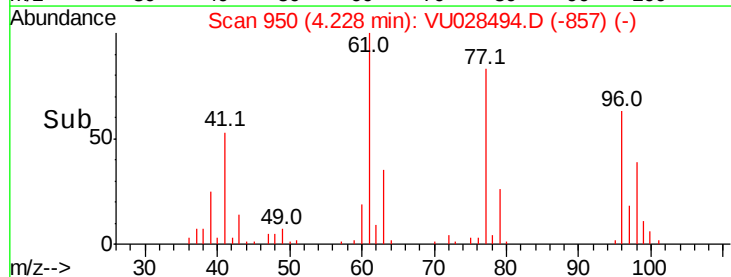
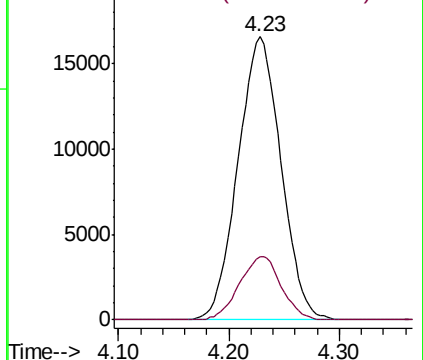
77 100

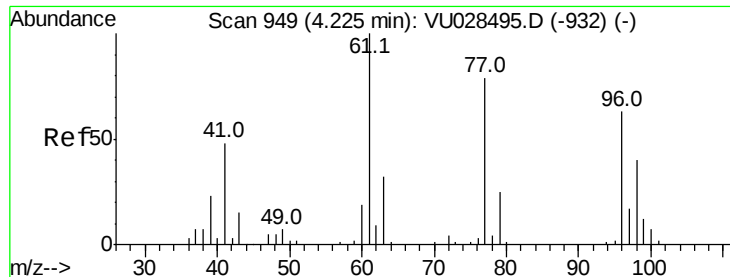
97 21.7 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

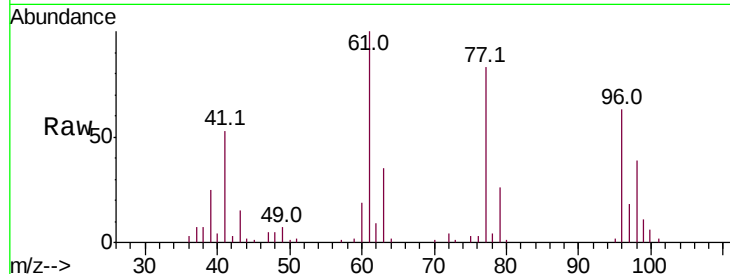




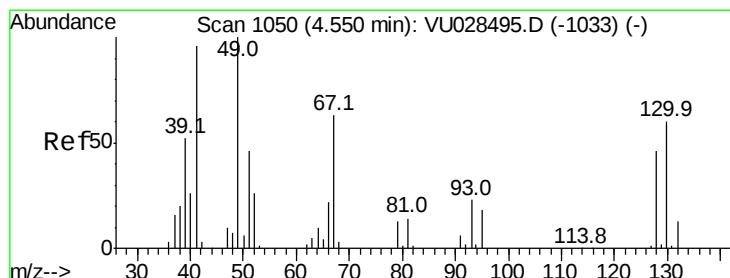
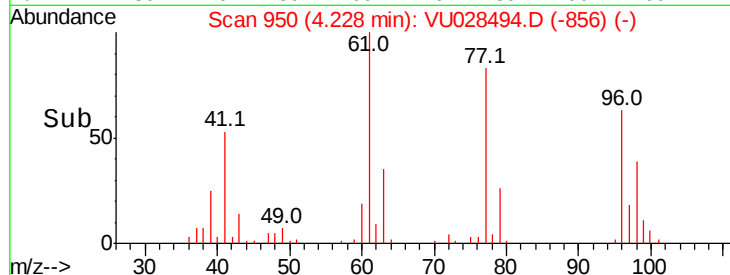
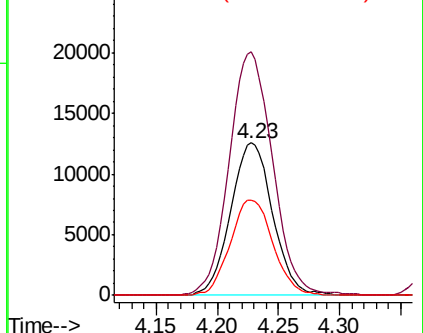
#27
 cis-1,2-Dichloroethene
 Concen: 20.485 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 29961
 Ion Ratio Lower Upper
 96 100
 61 165.9 0.0 332.4
 98 63.8 0.0 129.0

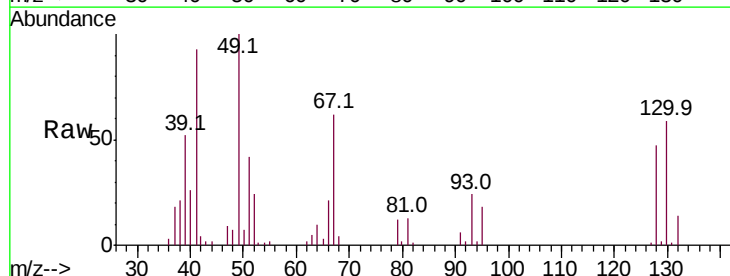


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

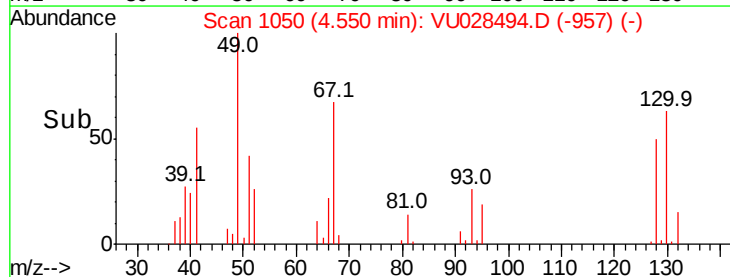
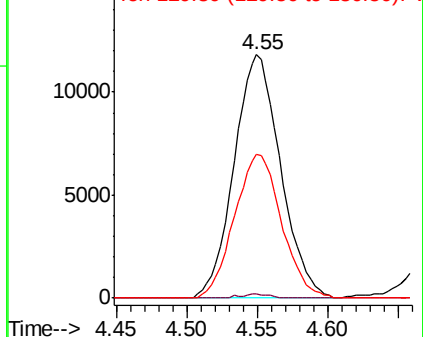


#28
 Bromochloromethane
 Concen: 21.642 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion: 49 Resp: 27191
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 3.0
 130 59.8 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: 104.592 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

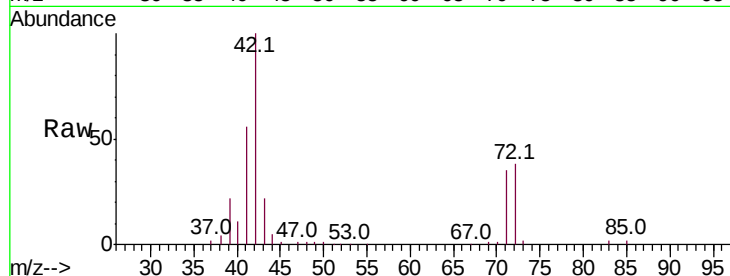
Tot Ion: 42 Resp: 94232

Ion Ratio Lower Upper

42 100

72 38.0 31.4 47.0

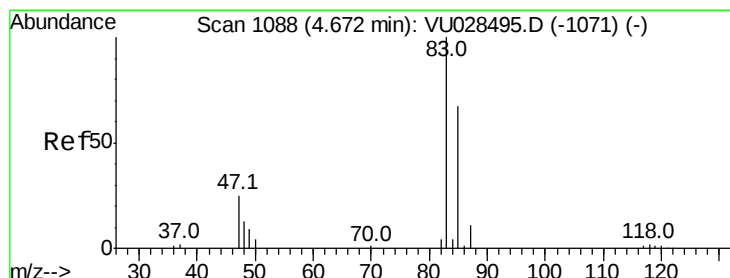
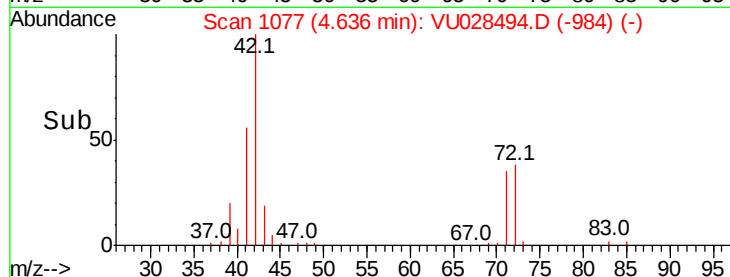
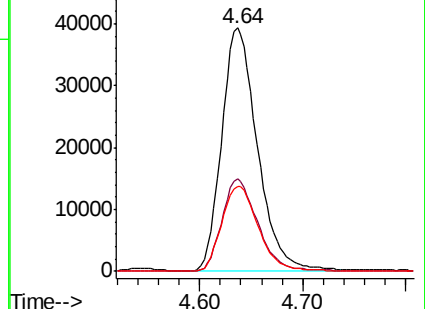
71 36.1 28.6 43.0



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: 20.928 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028494.D

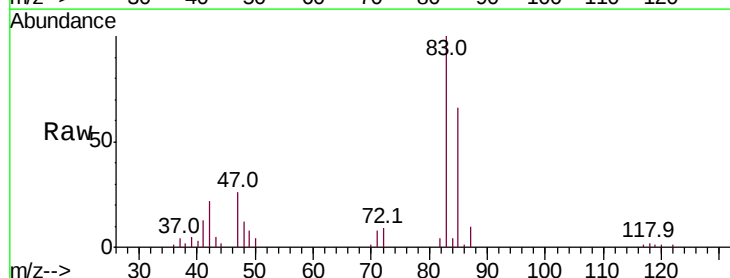
Acq: 06 Dec 2018 12:10

Tgt Ion: 83 Resp: 50412

Ion Ratio Lower Upper

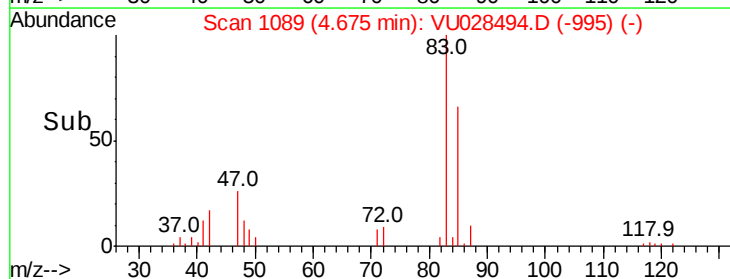
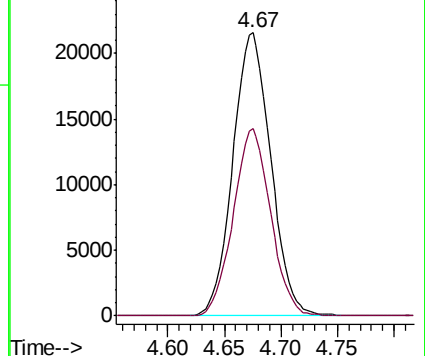
83 100

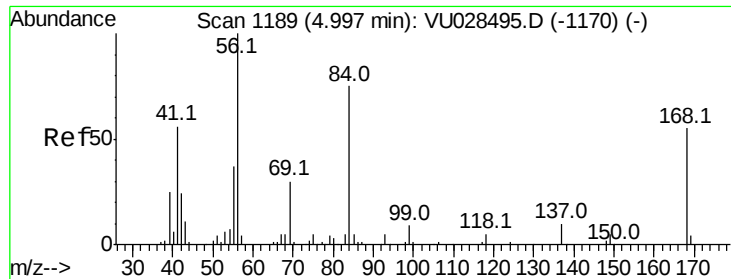
85 66.3 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

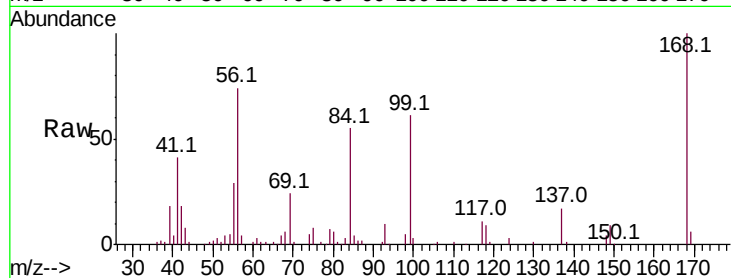




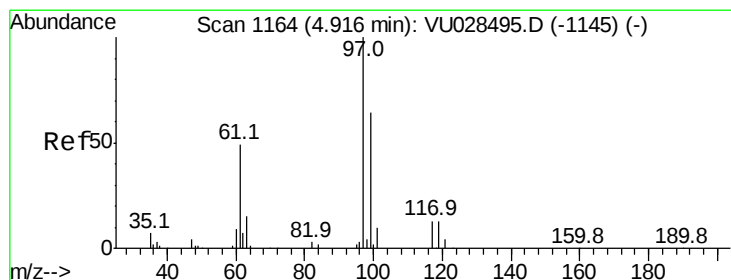
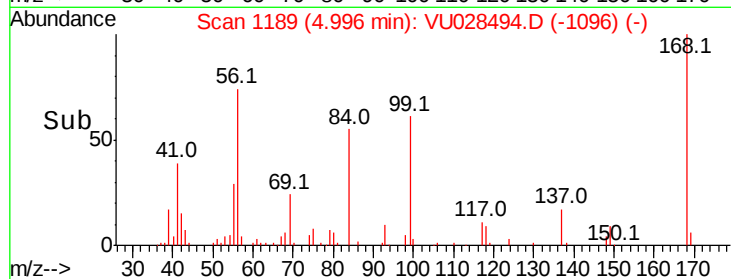
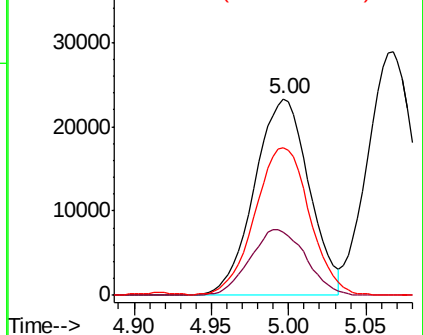
#31
Cyclohexane
Concen: 17.714 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 57430
Ion Ratio Lower Upper
56 100
69 32.4 24.0 36.0
84 74.6 59.7 89.5

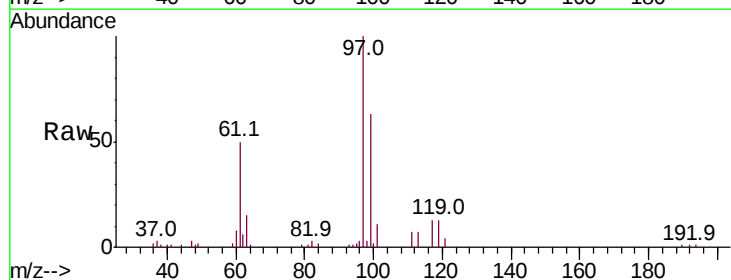


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

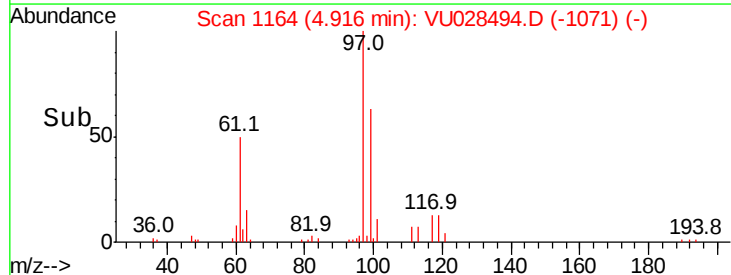
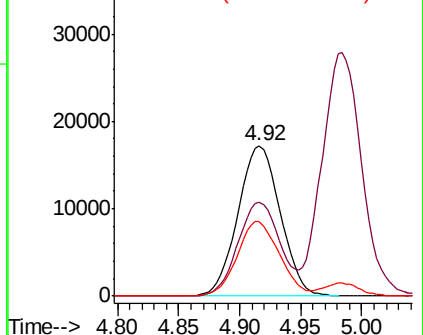


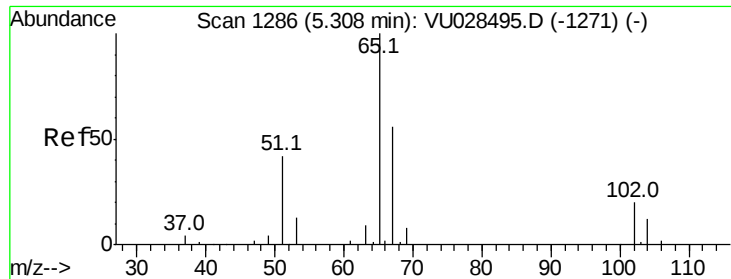
#32
1,1,1-Trichloroethane
Concen: 20.680 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion: 97 Resp: 41373
Ion Ratio Lower Upper
97 100
99 62.7 52.3 78.5
61 49.3 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

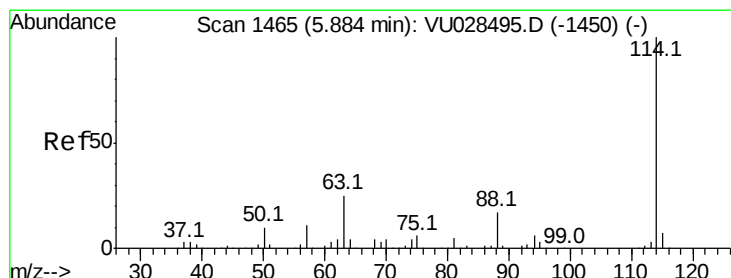
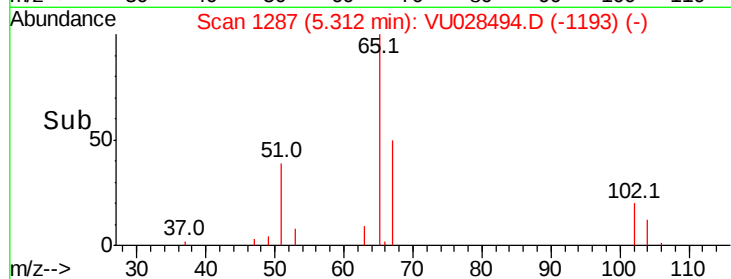
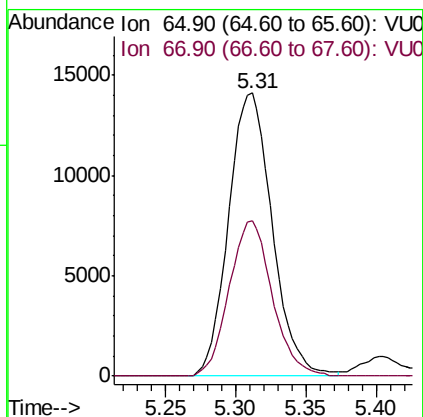
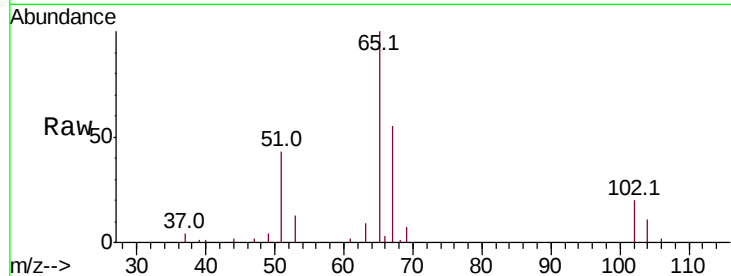




#33
 1,2-Dichloroethane-d4
 Concen: 19.450 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

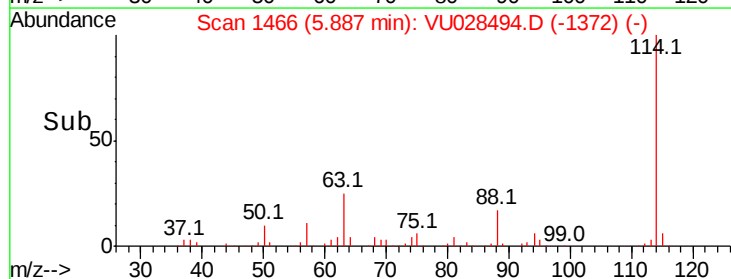
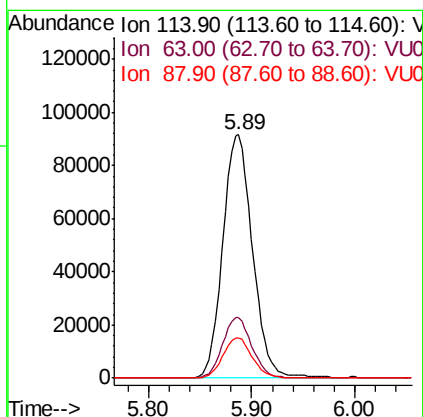
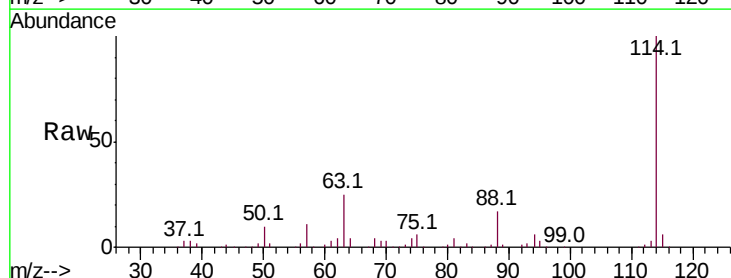
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 30596
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion: 114 Resp: 183915
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 16.7 0.0 33.4

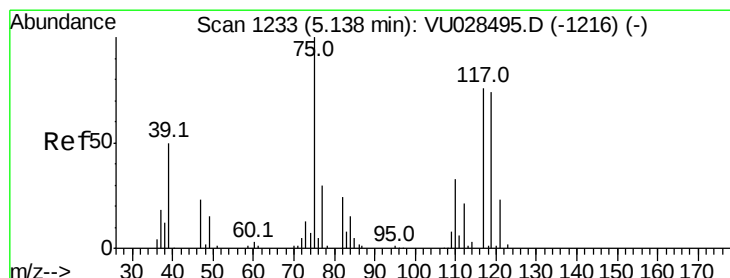
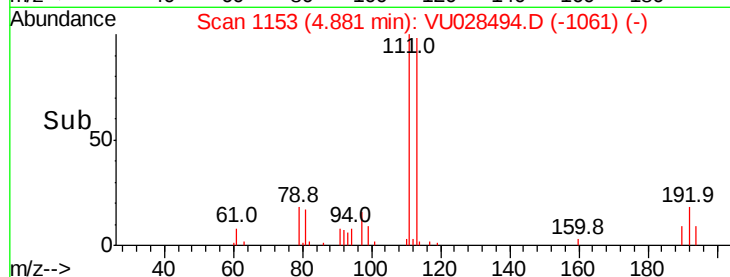
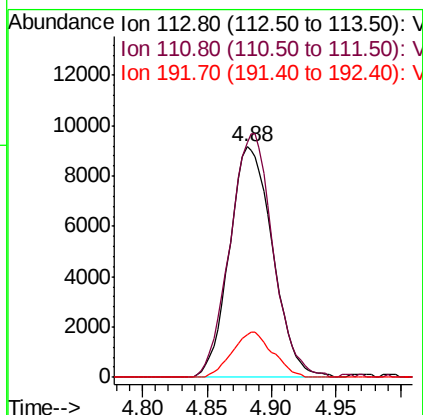
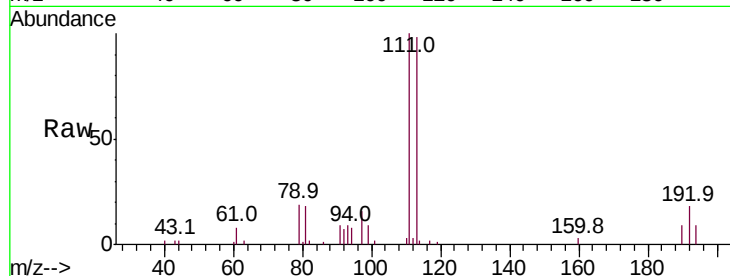




#35
 Dibromofluoromethane
 Concen: 18.480 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

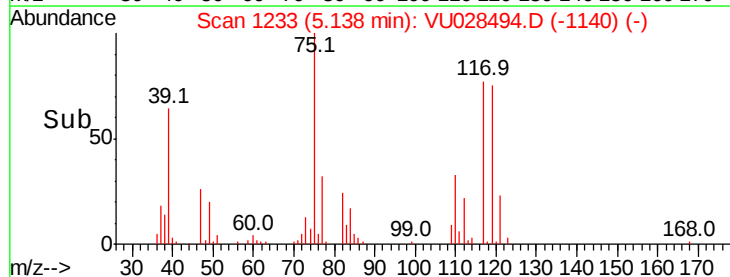
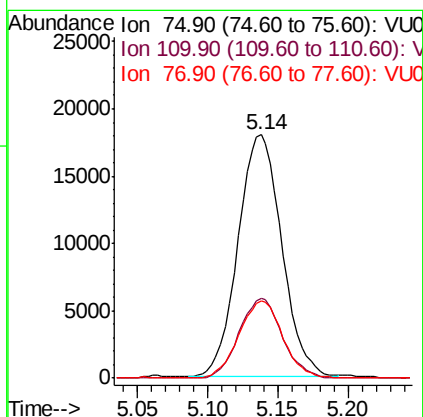
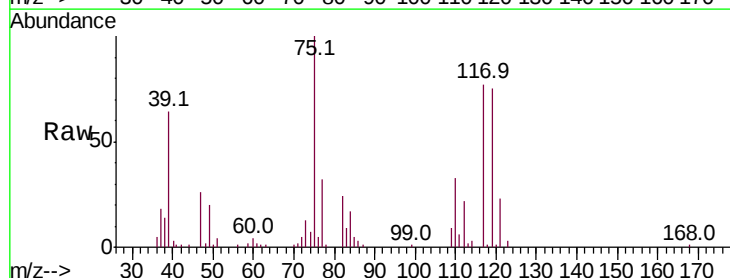
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

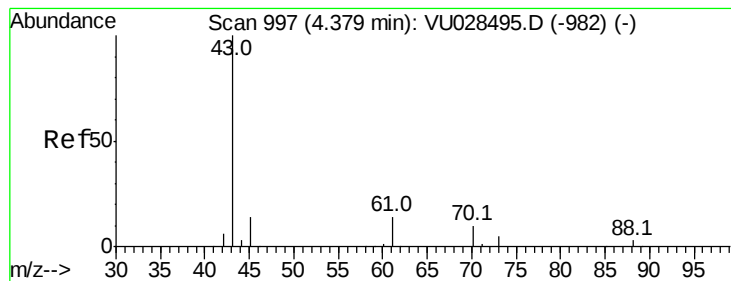
Tot Ion:113 Resp: 21388
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.4 125.0
 192 18.3 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 19.379 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion: 75 Resp: 39002
 Ion Ratio Lower Upper
 75 100
 110 32.2 16.1 48.2
 77 31.9 24.5 36.7





#37

Ethyl Acetate

Concen: 20.398 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

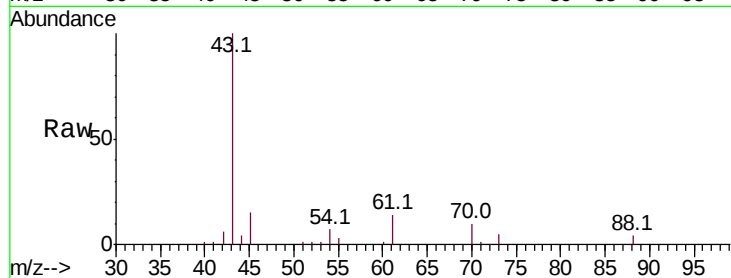
Tot Ion: 43 Resp: 53067

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.4

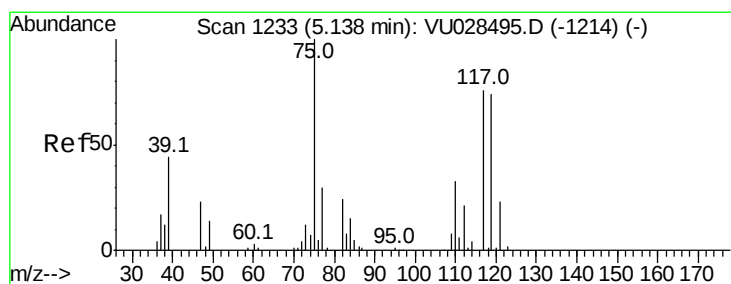
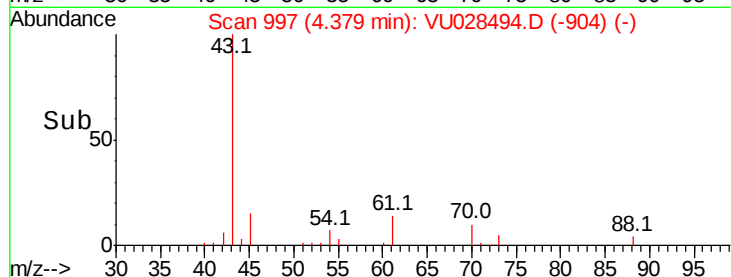
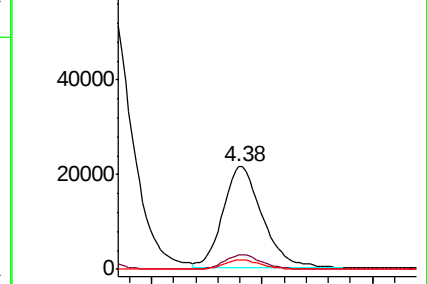
70 8.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38

Carbon Tetrachloride

Concen: 20.140 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

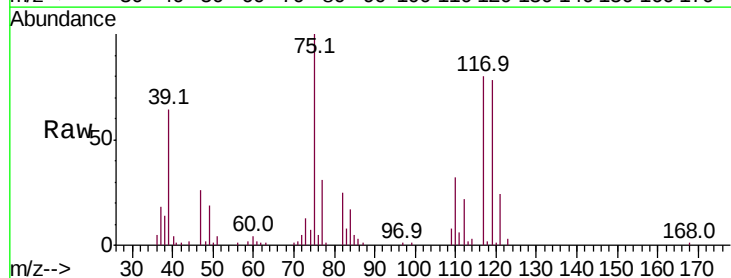
Tgt Ion: 117 Resp: 32669

Ion Ratio Lower Upper

117 100

119 97.7 77.6 116.4

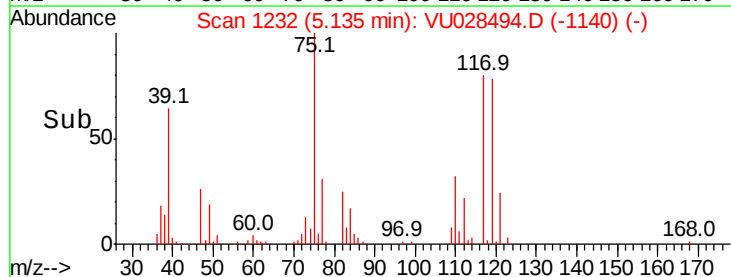
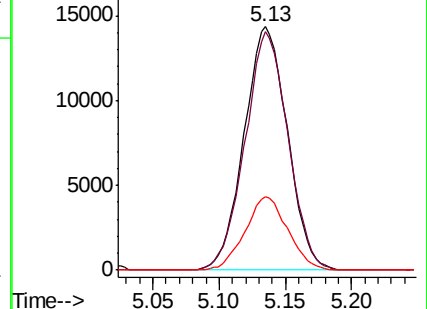
121 30.1 24.6 36.8

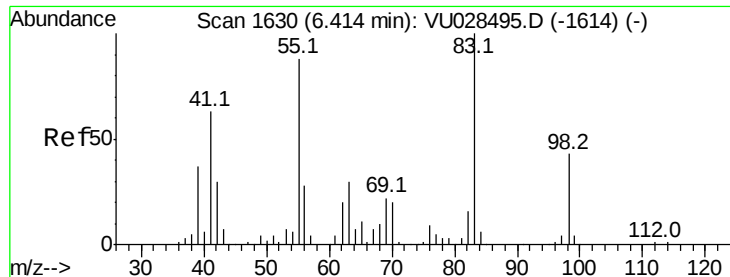


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 19.799 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

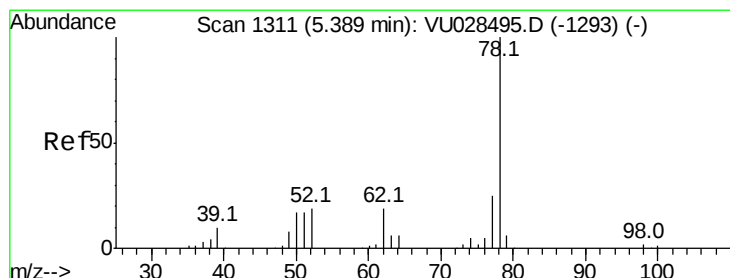
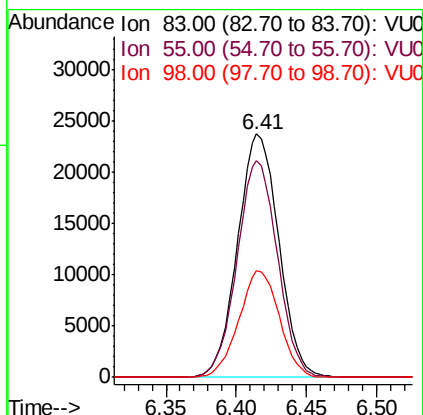
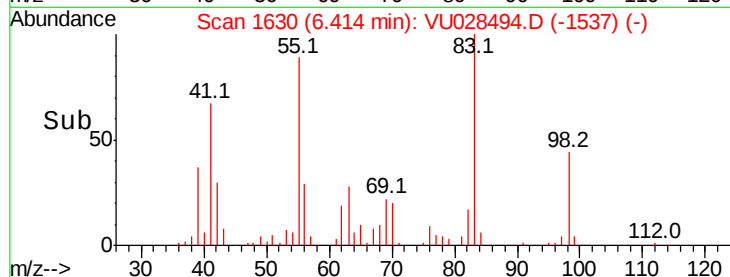
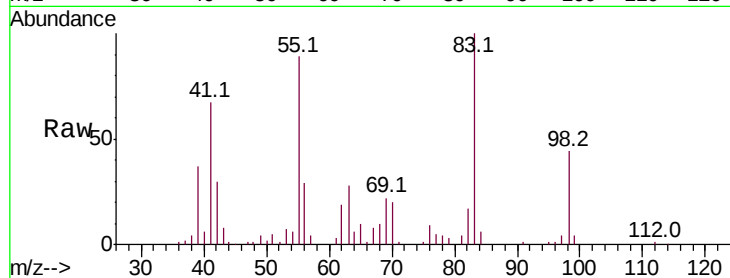
Tot Ion: 83 Resp: 48612

Ion Ratio Lower Upper

83 100

55 89.1 70.2 105.2

98 43.9 34.2 51.4



#40

Benzene

Concen: 20.072 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028494.D

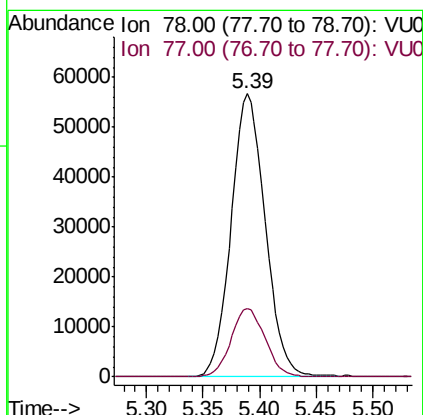
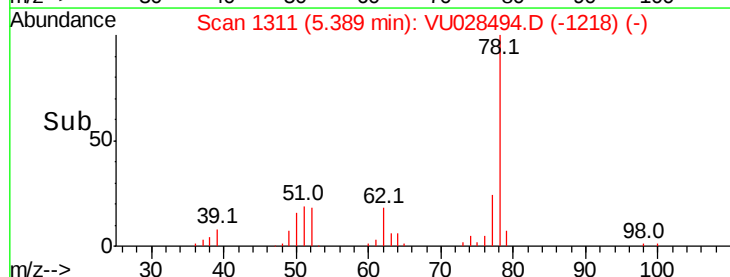
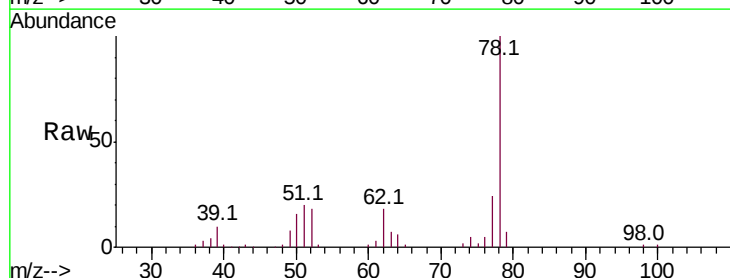
Acq: 06 Dec 2018 12:10

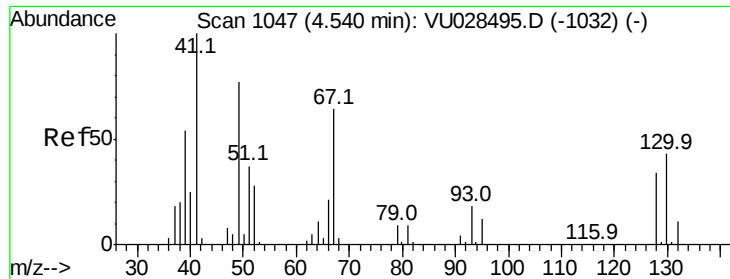
Tgt Ion: 78 Resp: 118974

Ion Ratio Lower Upper

78 100

77 24.3 19.9 29.9

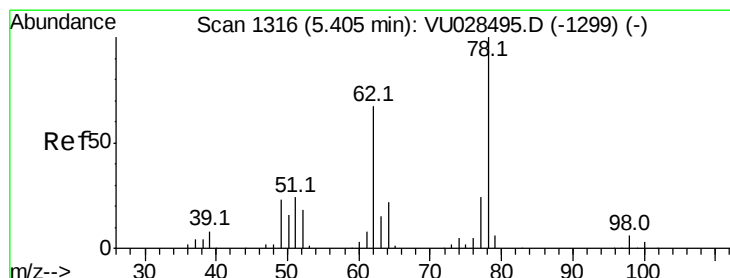
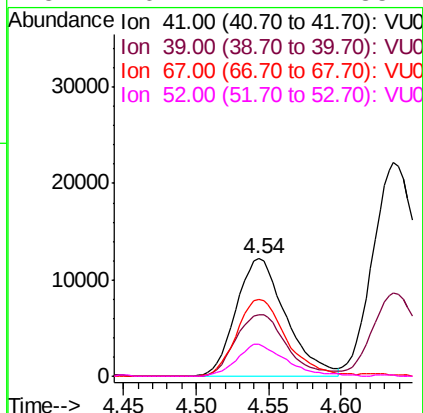
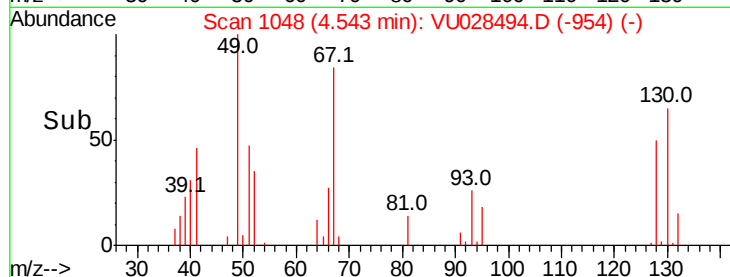
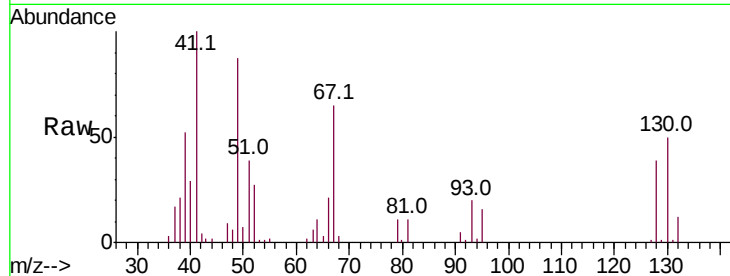




#41
Methacrylonitrile
Concen: 20.615 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

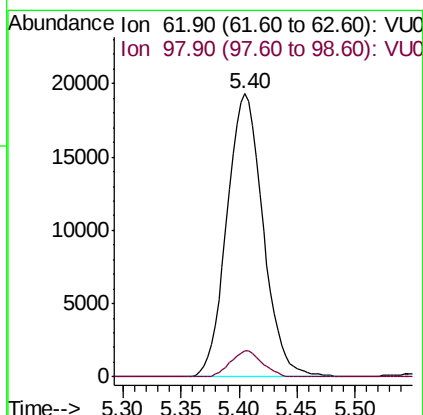
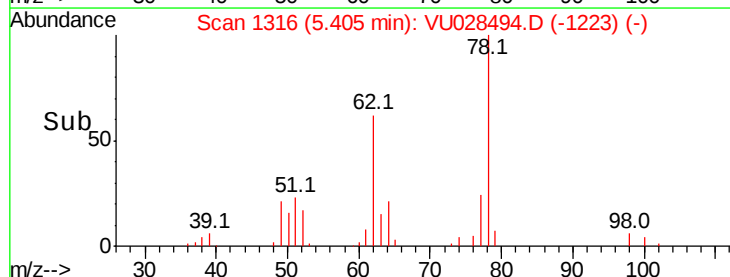
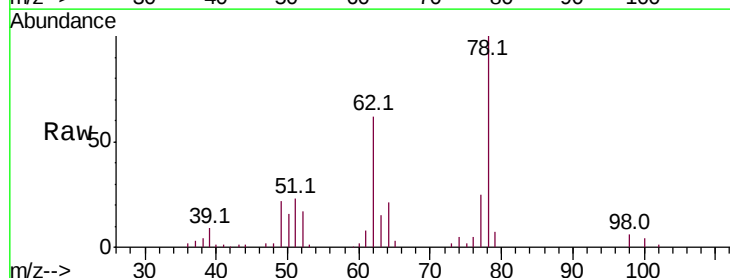
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

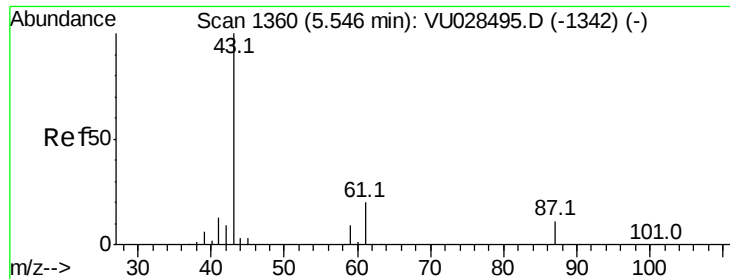
Tot Ion:	41	Resp:	29372
Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.3	64.9
67	64.6	53.6	80.4
52	26.7	22.1	33.1



#42
1,2-Dichloroethane
Concen: 20.129 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion:	62	Resp:	41764
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 20.468 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

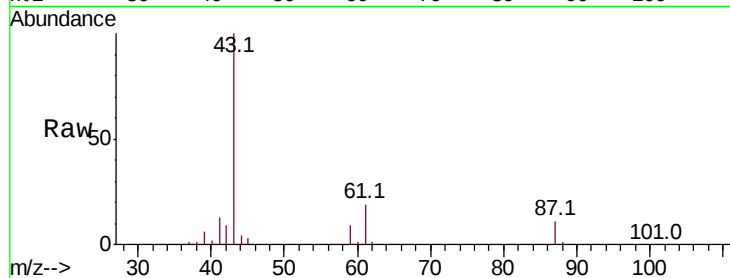
MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 84225

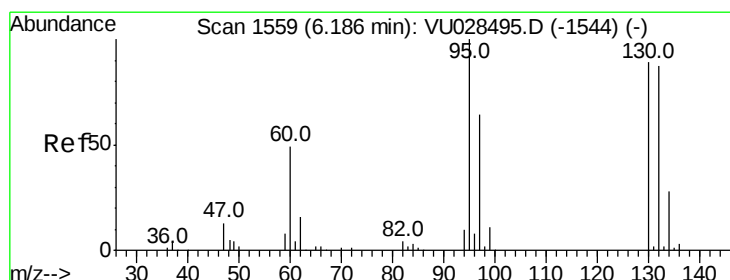
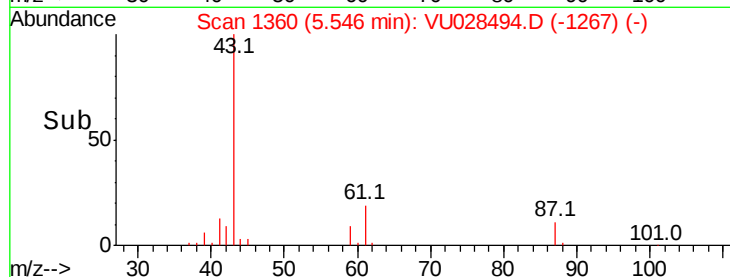
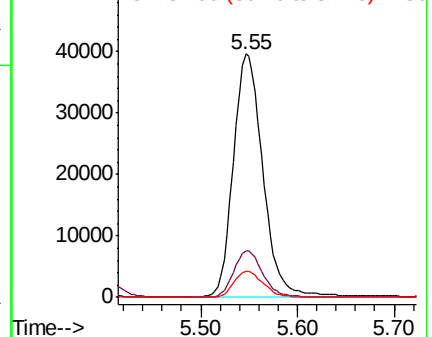
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.5	23.3
87	10.7	8.7	13.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 20.164 ug/l

RT: 6.19 min Scan# 1559

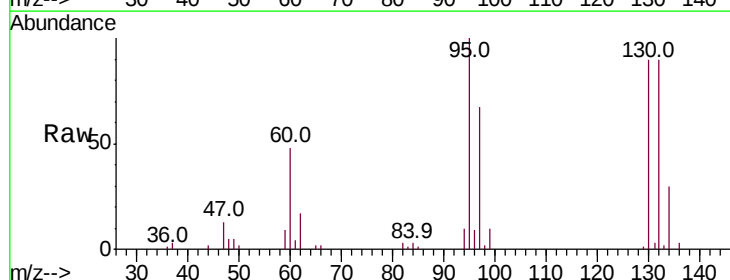
Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

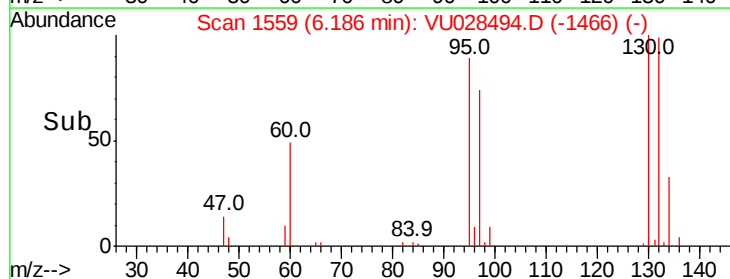
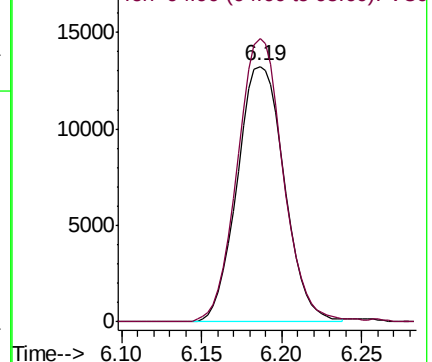
Tgt Ion:130 Resp: 26575

Ion	Ratio	Lower	Upper
130	100		
95	110.7	0.0	224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 20.554 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

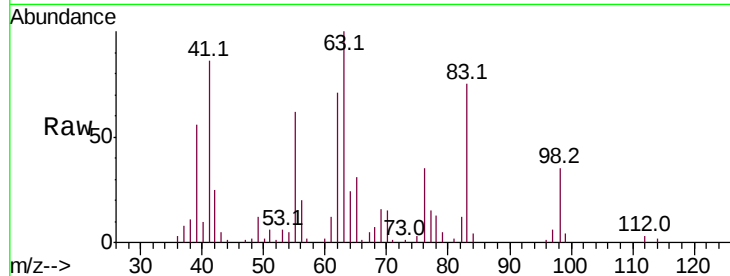
VSTDIC020

Tot Ion: 63 Resp: 34260

Ion Ratio Lower Upper

63 100

65 31.3 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

20000

15000

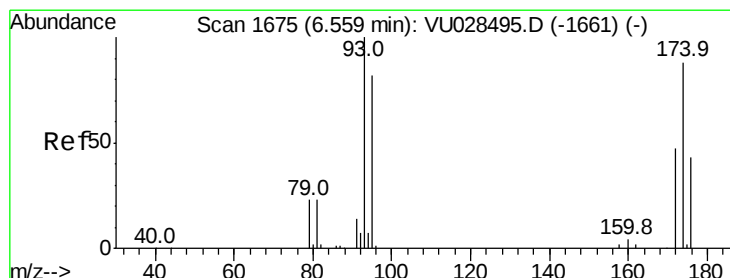
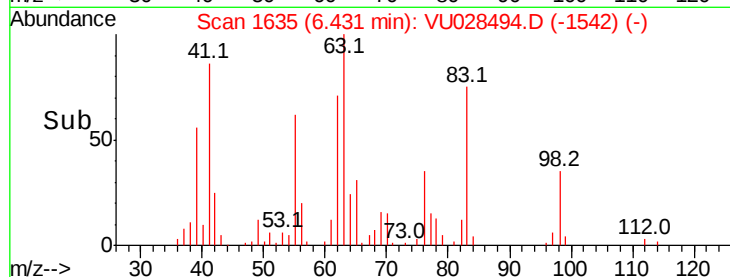
10000

5000

0

Time-->

6.35 6.40 6.45 6.50



#46

Dibromomethane

Concen: 20.011 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

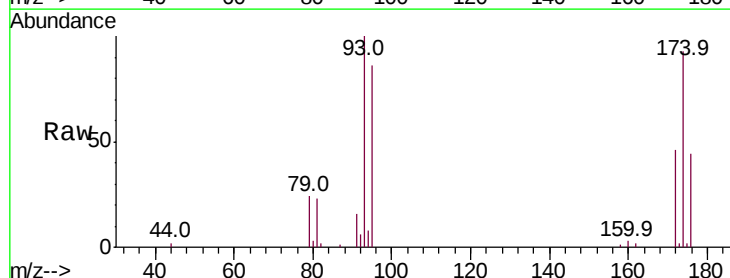
Tgt Ion: 93 Resp: 19791

Ion Ratio Lower Upper

93 100

95 84.4 65.4 98.2

174 91.3 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

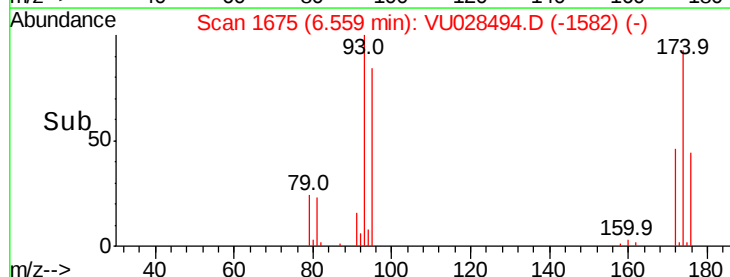
10000

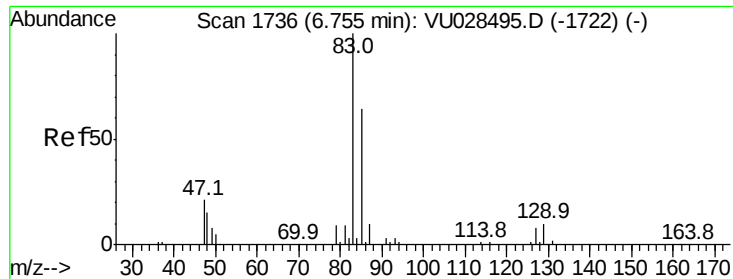
5000

0

Time-->

6.50 6.55 6.60 6.65

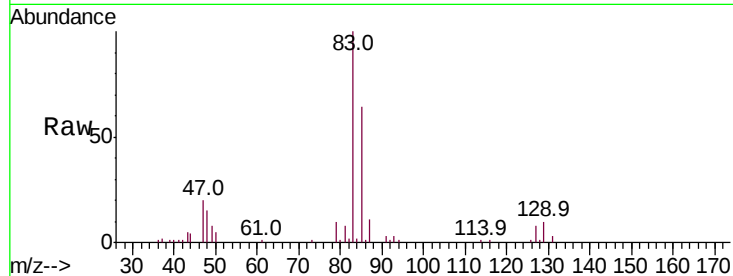




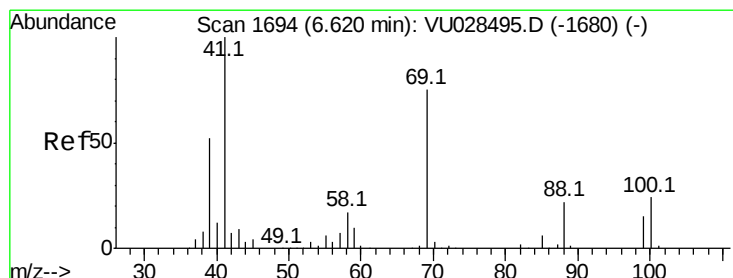
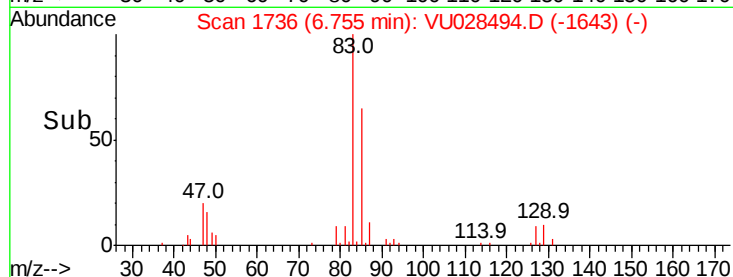
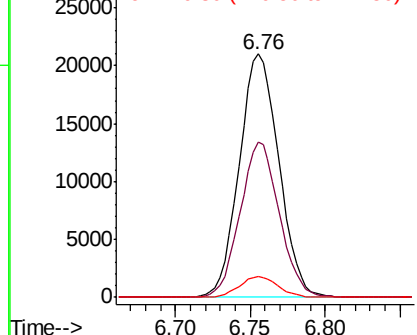
#47
Bromodichloromethane
Concen: 20.123 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion: 83 Resp: 38726
Ion Ratio Lower Upper
83 100
85 64.0 51.5 77.3
127 8.3 6.2 9.4

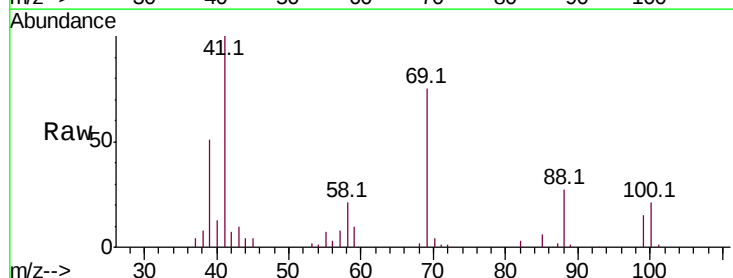


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

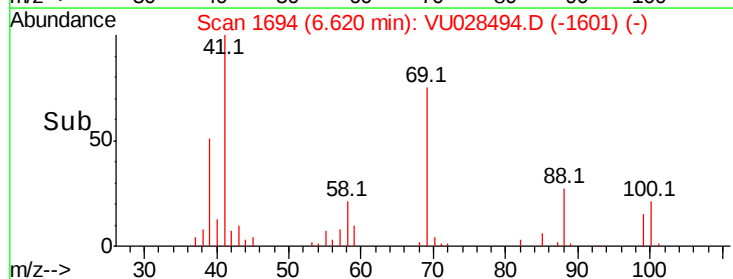
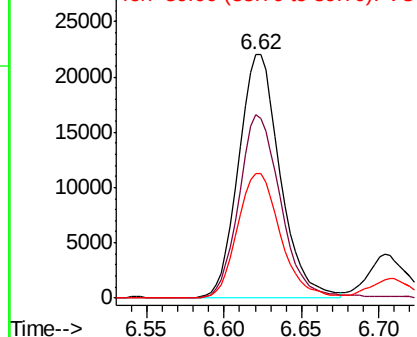


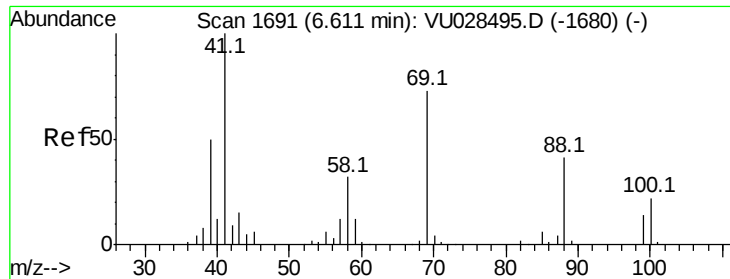
#48
Methyl methacrylate
Concen: 20.162 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion: 41 Resp: 41260
Ion Ratio Lower Upper
41 100
69 75.9 60.4 90.6
39 52.7 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

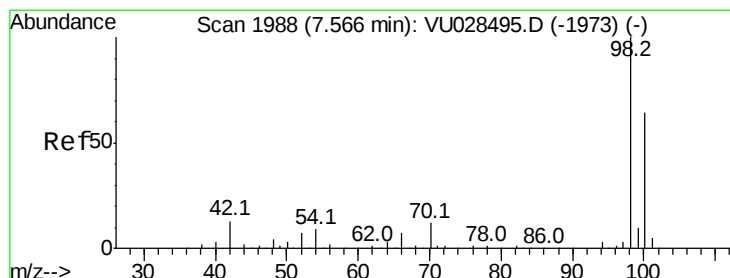
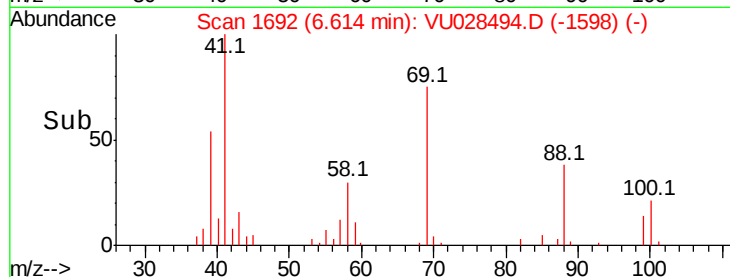
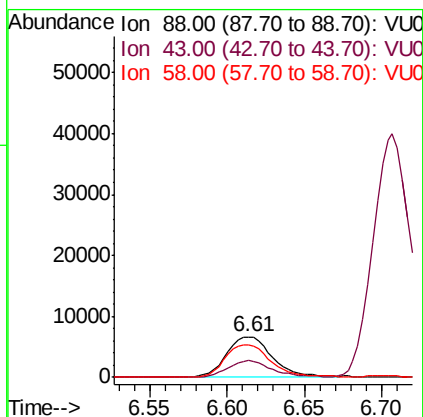
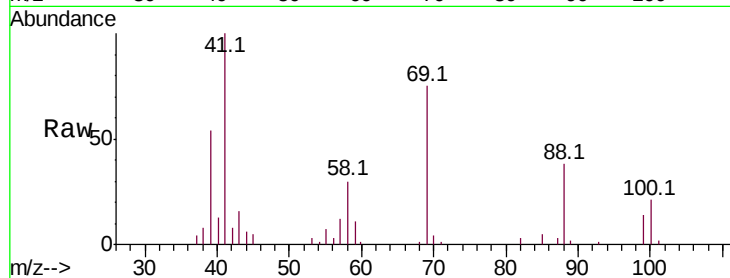




#49
1,4-Dioxane
Concen: 423.340 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

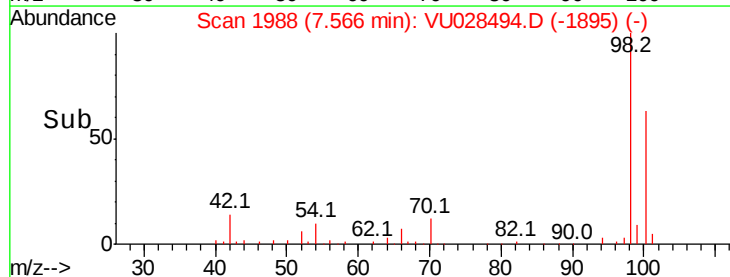
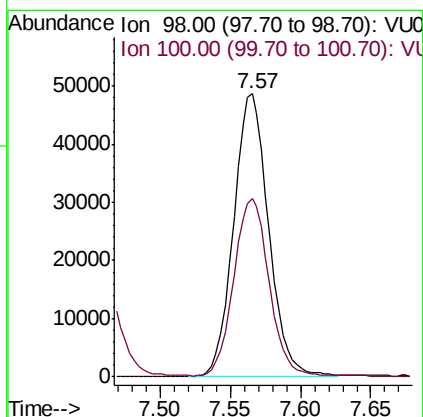
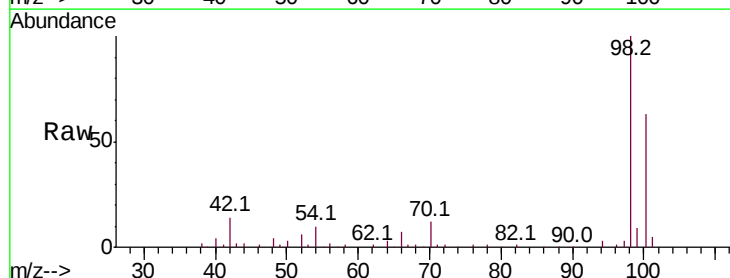
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

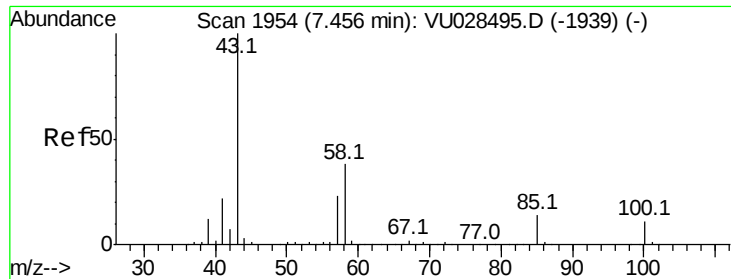
Tot Ion: 88 Resp: 13679
Ion Ratio Lower Upper
88 100
43 39.8 30.9 46.3
58 81.8 62.4 93.6



#50
Toluene-d8
Concen: 18.520 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion: 98 Resp: 84793
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 101.002 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

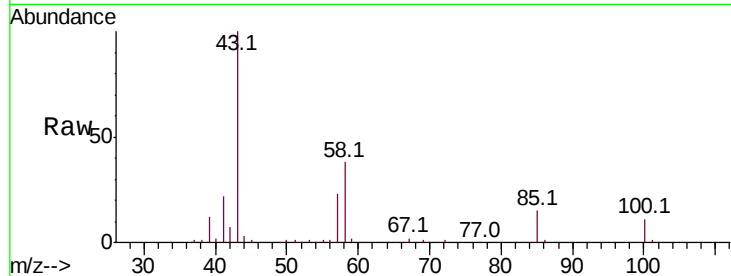
VSTDIC020

Tot Ion: 43 Resp: 262140

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

150000

100000

50000

0

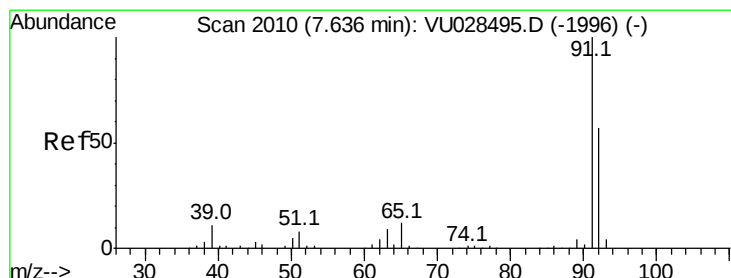
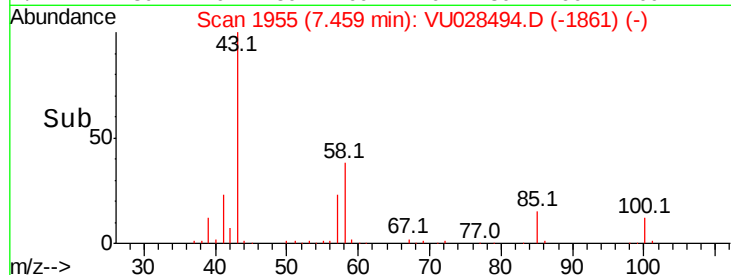
7.46

7.40

7.50

7.60

Time-->



#52

Toluene

Concen: 20.216 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028494.D

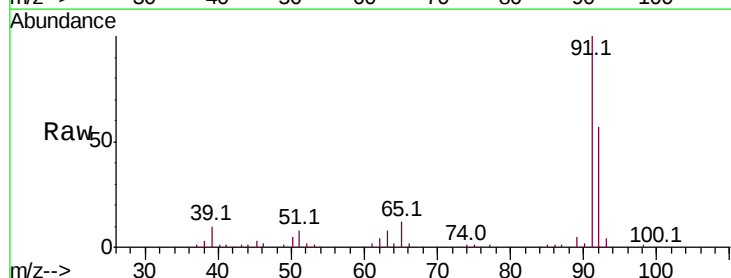
Acq: 06 Dec 2018 12:10

Tgt Ion: 92 Resp: 70522

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

80000

60000

40000

20000

0

7.64

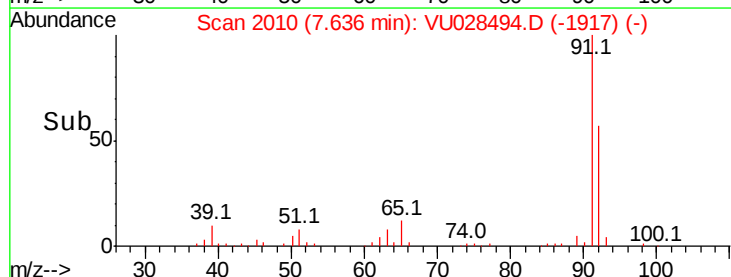
7.55

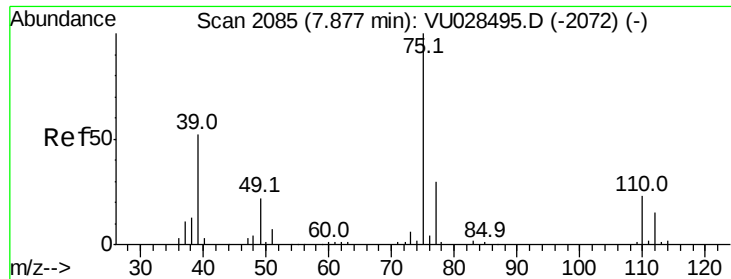
7.60

7.65

7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.622 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

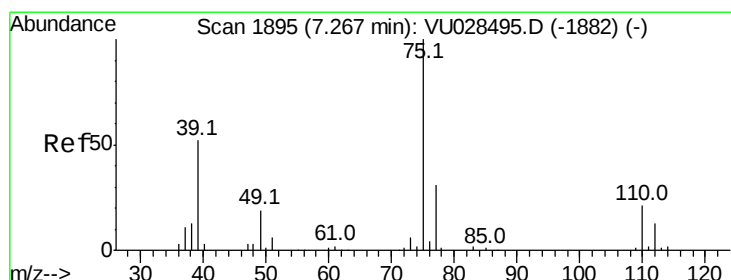
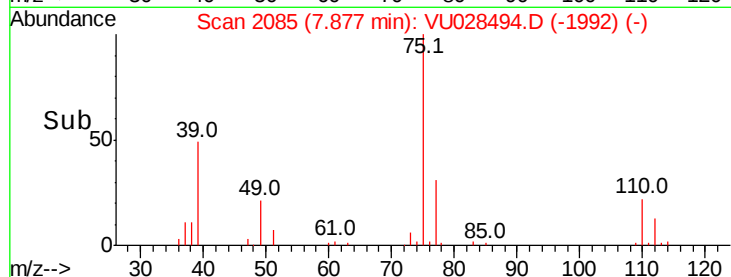
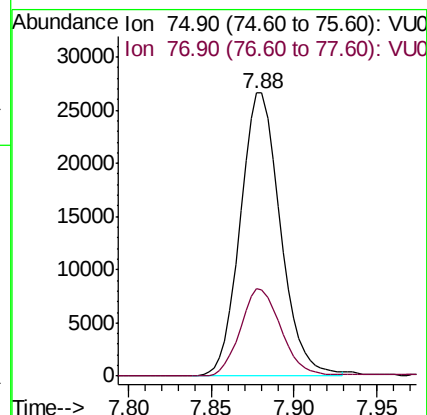
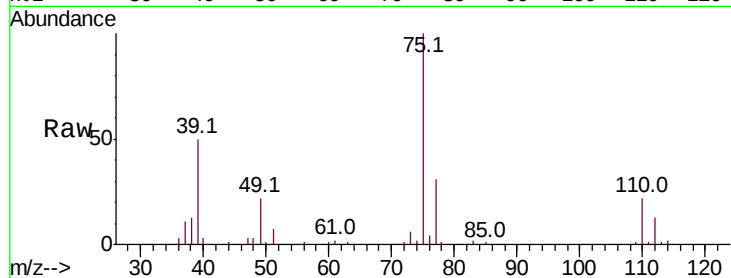
VSTDIC020

Tot Ion: 75 Resp: 44975

Ion Ratio Lower Upper

75 100

77 30.9 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 19.510 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

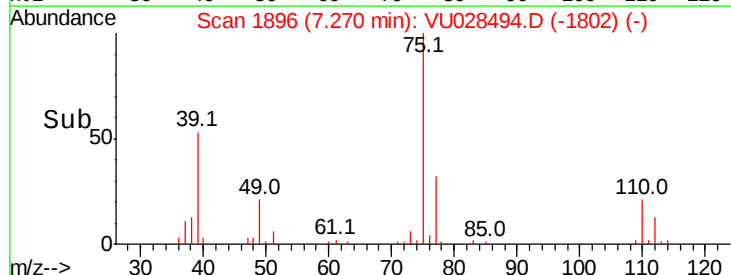
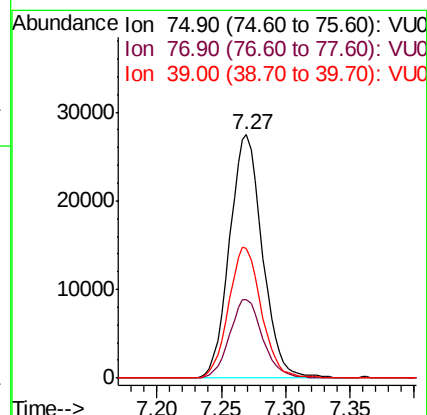
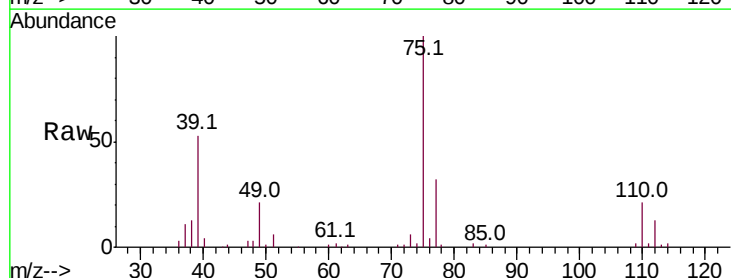
Tgt Ion: 75 Resp: 48515

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4

39 53.1 41.3 61.9





#55

1,1,2-Trichloroethane

Concen: 20.215 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 27875

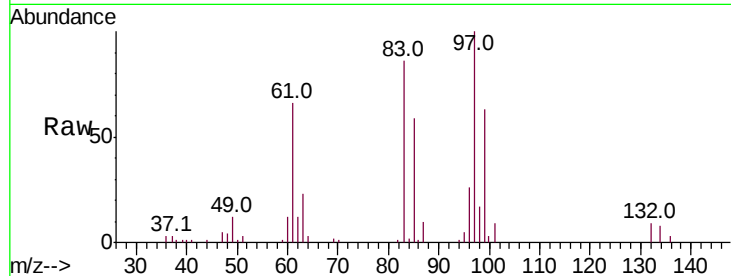
Ion Ratio Lower Upper

97 100

83 86.3 72.4 108.6

85 59.2 46.0 69.0

99 62.1 47.4 71.2

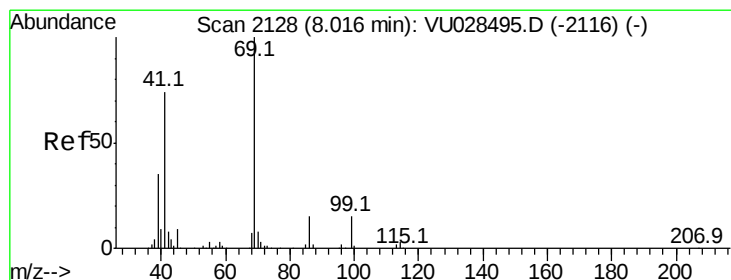
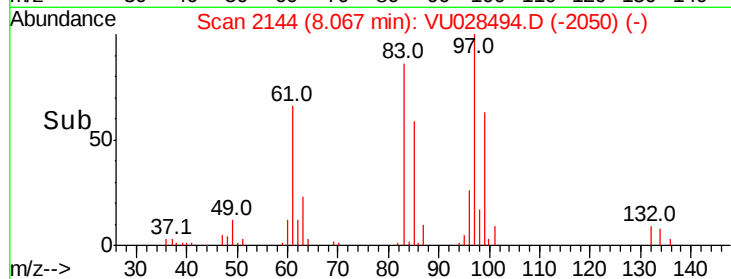
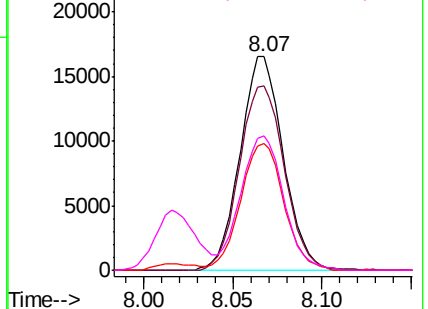


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 19.831 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

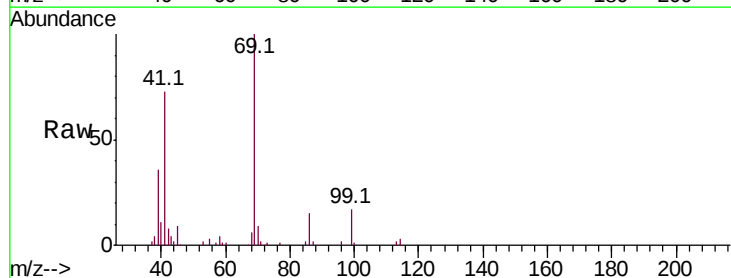
Tgt Ion: 69 Resp: 46828

Ion Ratio Lower Upper

69 100

41 73.5 59.1 88.7

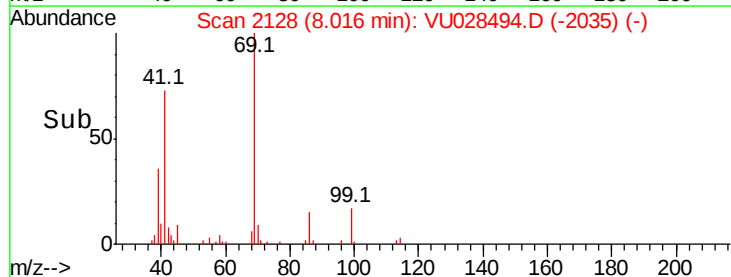
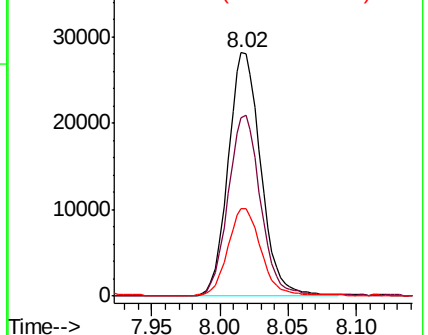
39 36.6 28.4 42.6



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 19.920 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

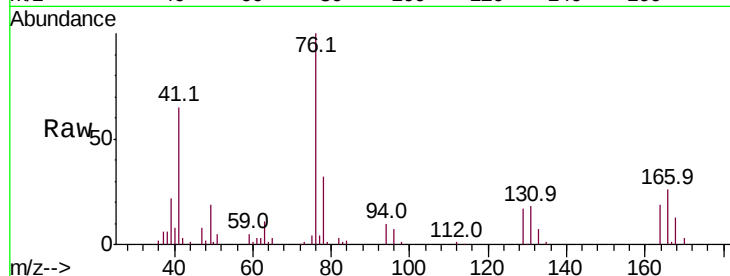
VSTDIC020

Tot Ion: 76 Resp: 50990

Ion Ratio Lower Upper

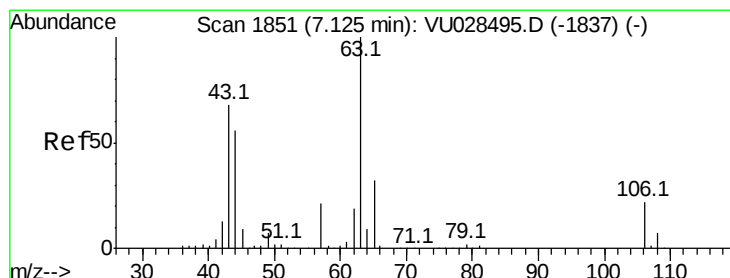
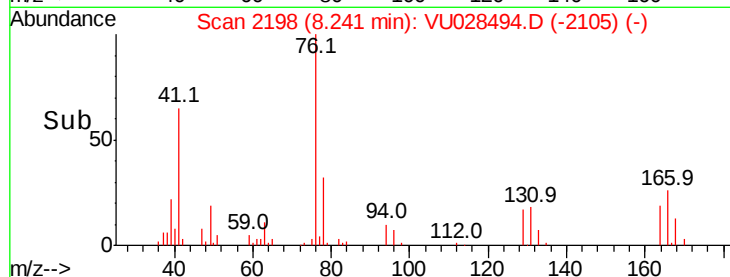
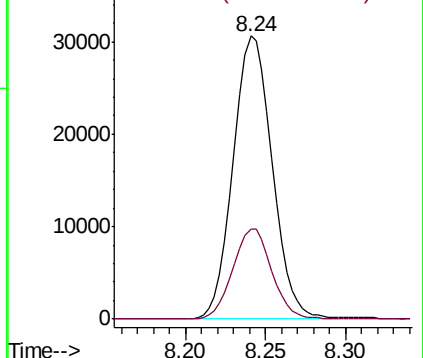
76 100

78 31.7 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: 101.591 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028494.D

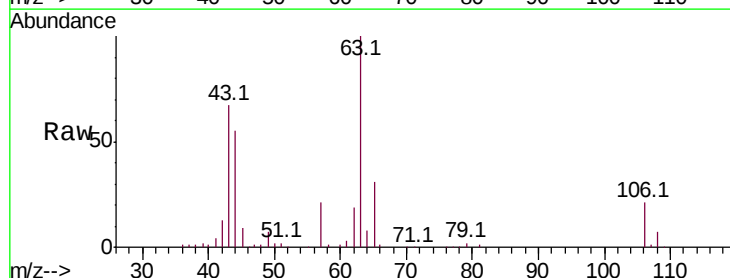
Acq: 06 Dec 2018 12:10

Tgt Ion: 63 Resp: 122875

Ion Ratio Lower Upper

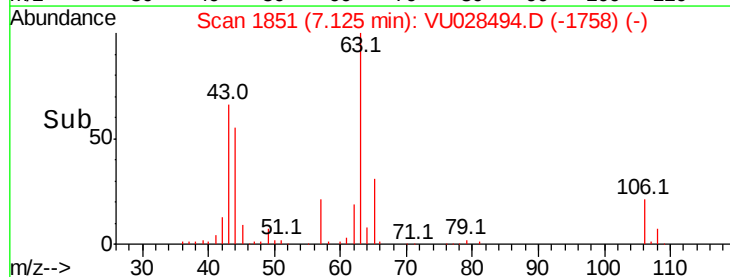
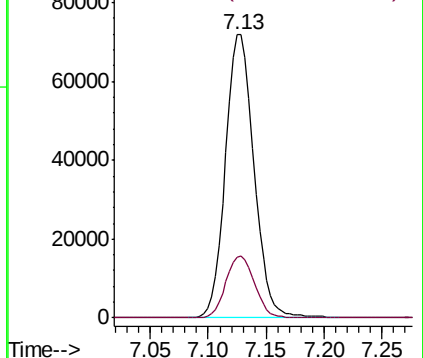
63 100

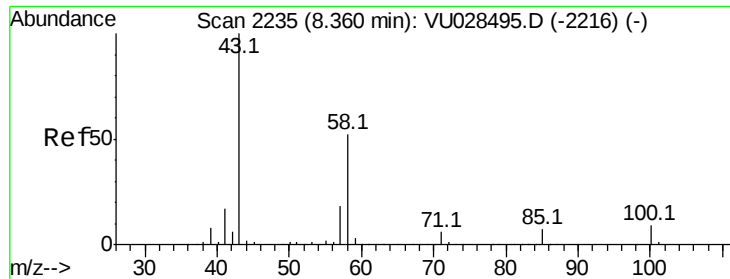
106 22.0 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

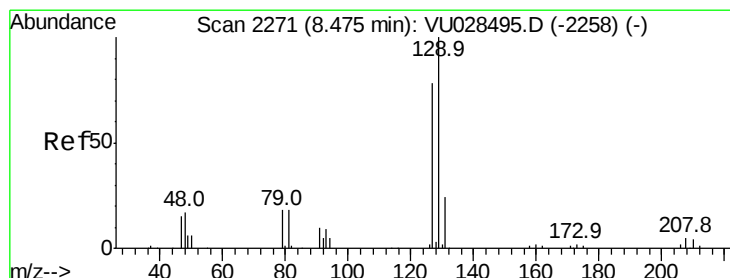
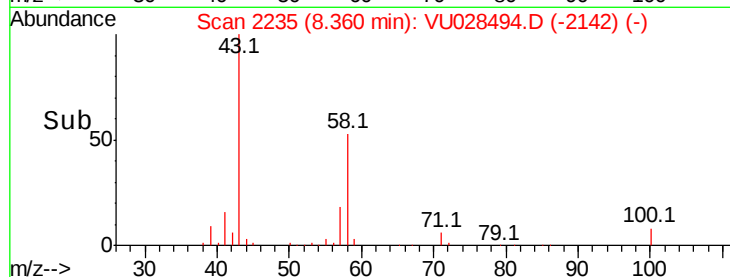
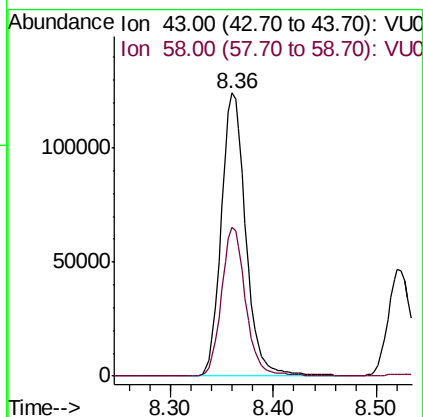
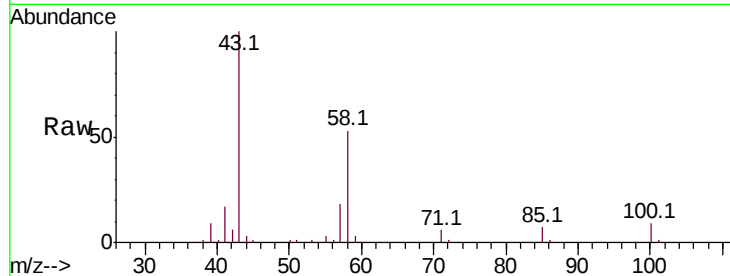




#59
2-Hexanone
Concen: 99.842 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

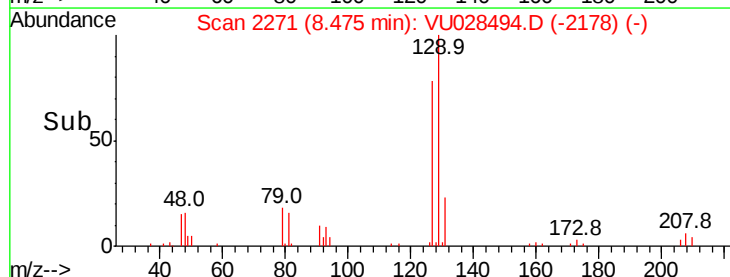
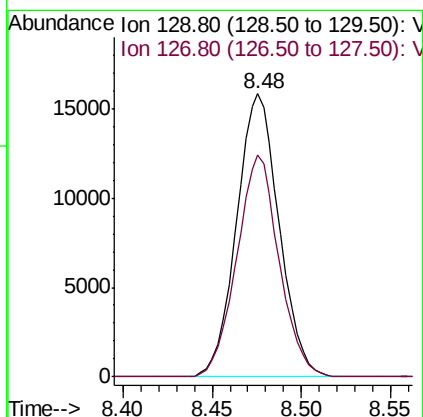
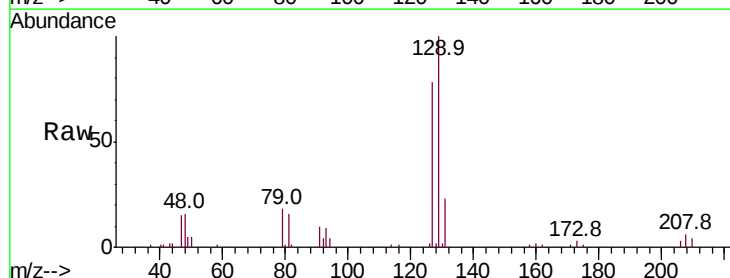
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

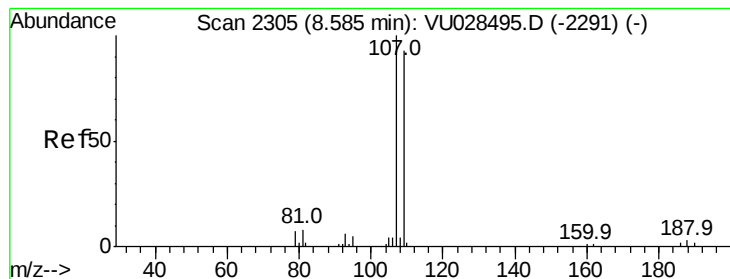
Tot Ion: 43 Resp: 205386
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6



#60
Dibromochloromethane
Concen: 19.435 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion: 129 Resp: 26238
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.405 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

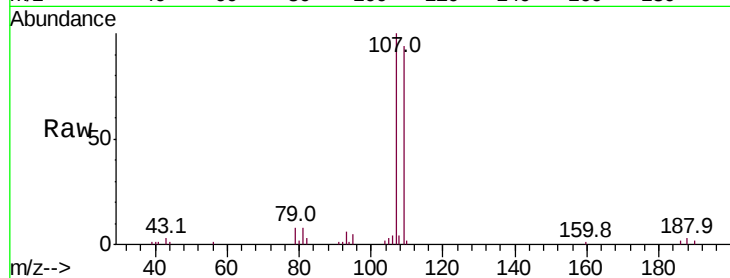
VSTDIC020

Tot Ion:107 Resp: 29506

Ion Ratio Lower Upper

107 100

109 93.4 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

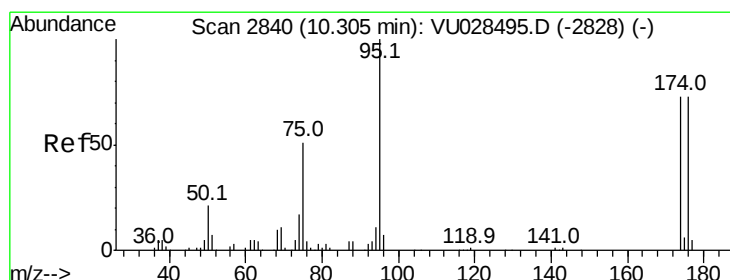
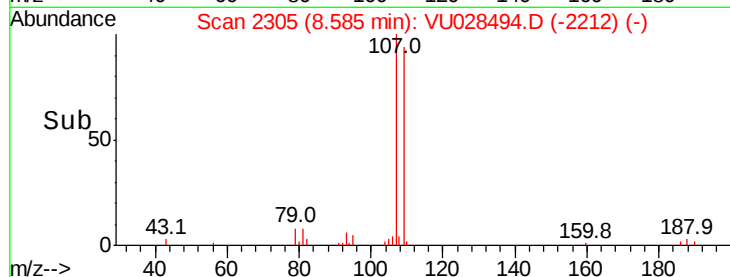
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 18.133 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

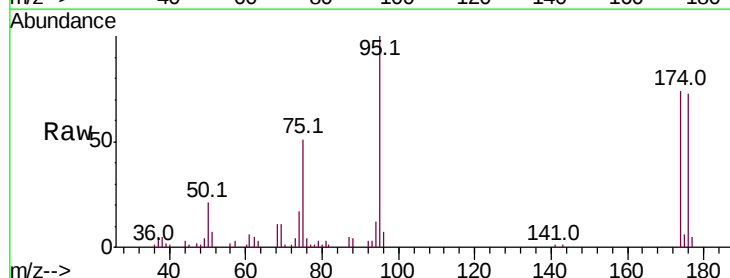
Tgt Ion: 95 Resp: 31030

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

176 72.2 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

25000

20000

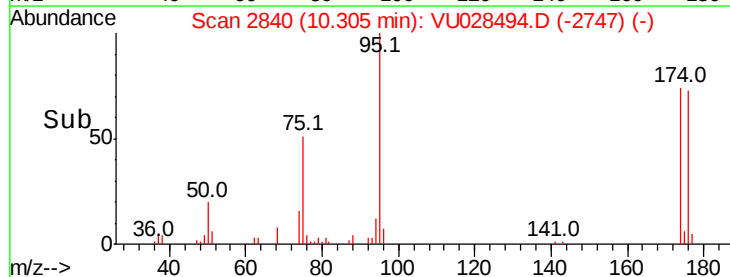
15000

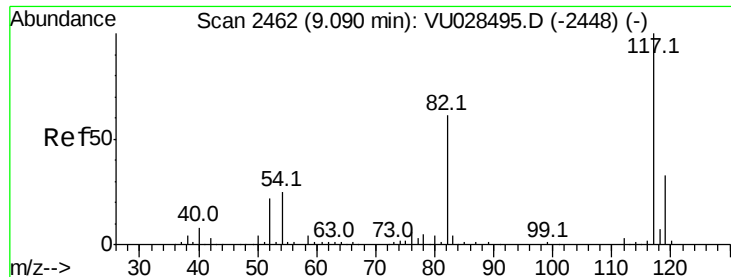
10000

5000

0

Time--> 10.25 10.30 10.35 10.40

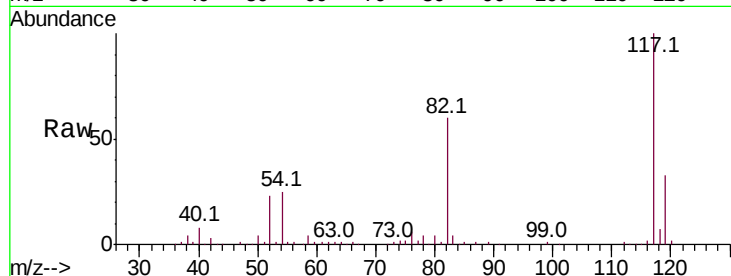




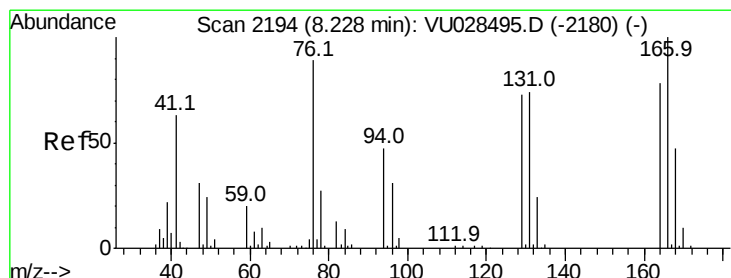
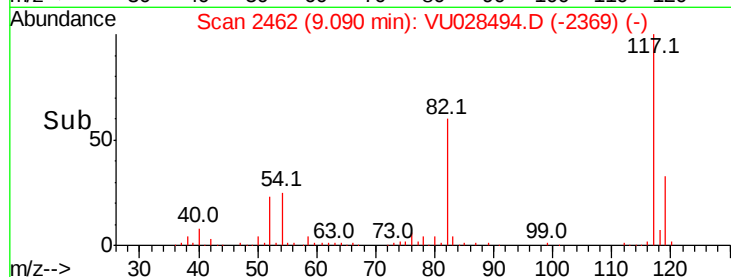
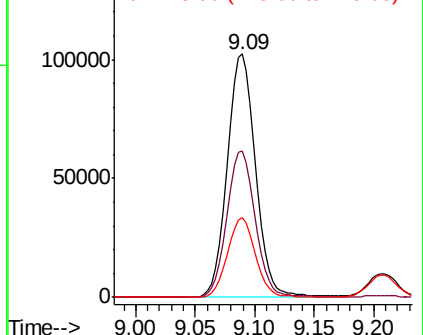
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 169119
Ion Ratio Lower Upper
117 100
82 60.2 48.9 73.3
119 32.9 26.2 39.4

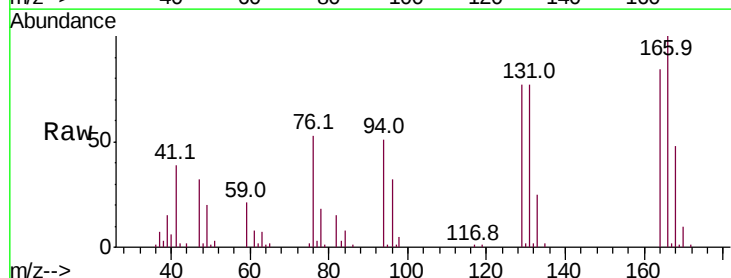


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

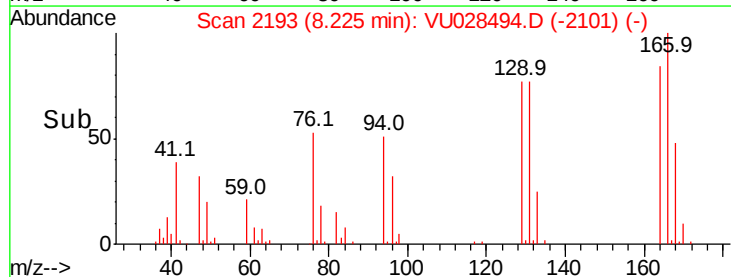
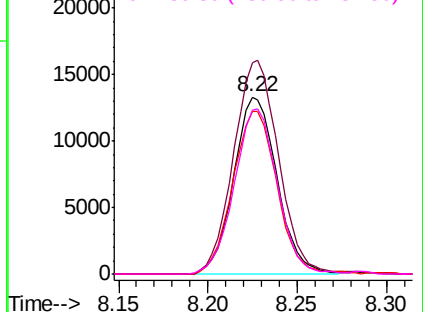


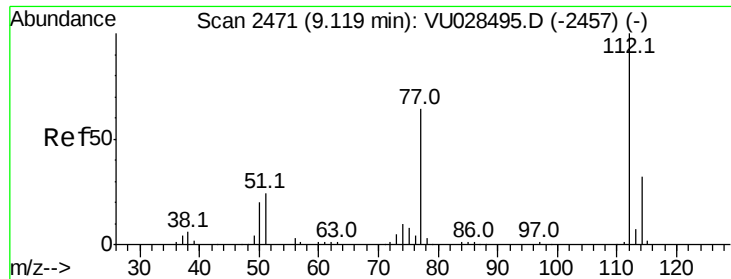
#64
Tetrachloroethene
Concen: 19.902 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion:164 Resp: 22451
Ion Ratio Lower Upper
164 100
166 119.7 101.9 152.9
129 92.0 74.9 112.3
131 92.6 75.4 113.0



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

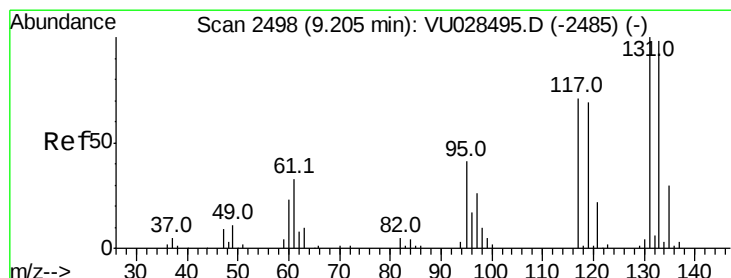
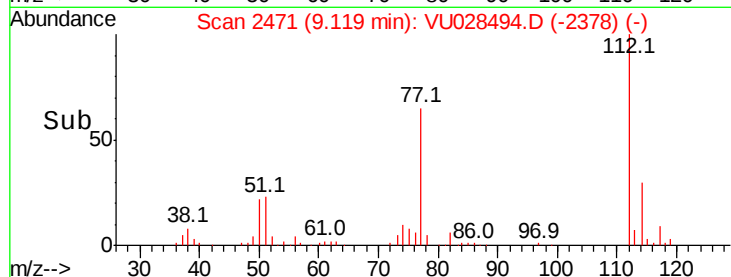
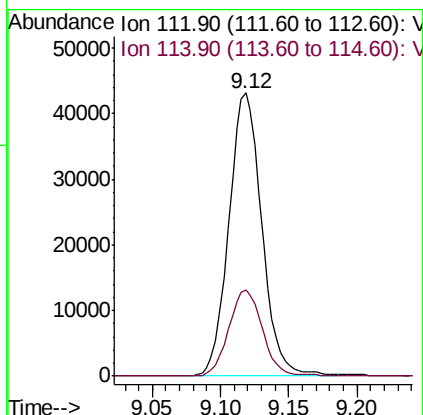
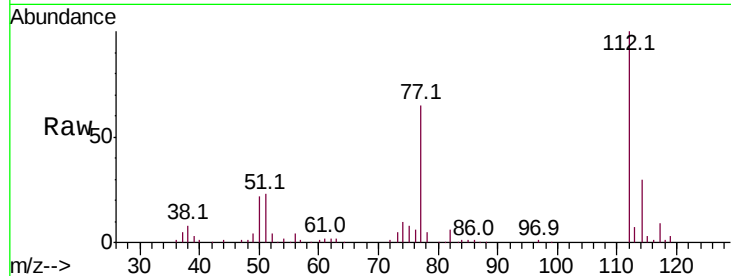




#65
Chlorobenzene
Concen: 20.146 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

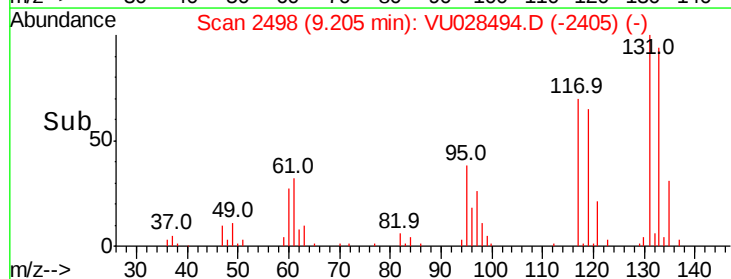
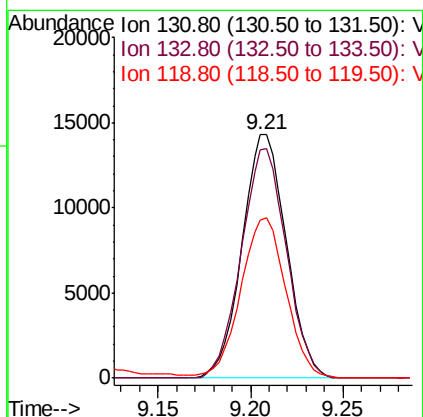
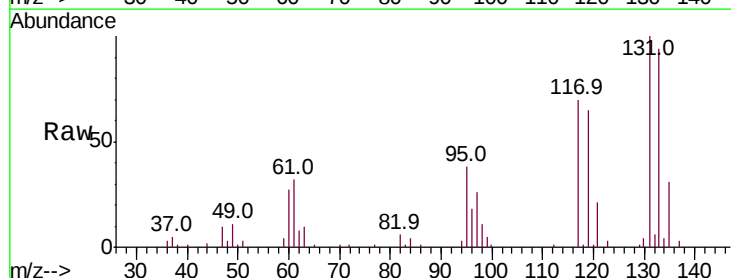
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

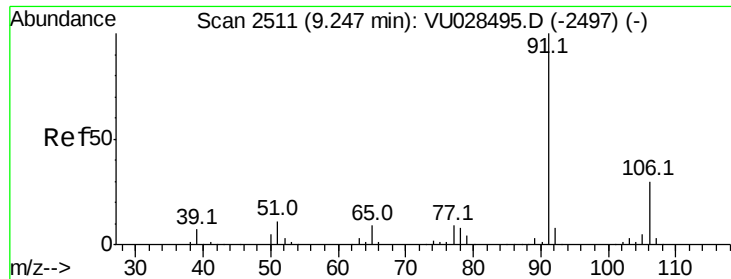
Tot Ion:112 Resp: 72601
Ion Ratio Lower Upper
112 100
114 30.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.563 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion:131 Resp: 23664
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 67.4 34.6 103.9





#67

Ethyl Benzene

Concen: 19.985 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

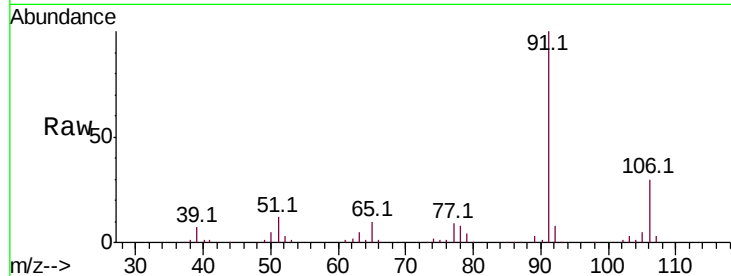
VSTDIC020

Tot Ion: 91 Resp: 132401

Ion Ratio Lower Upper

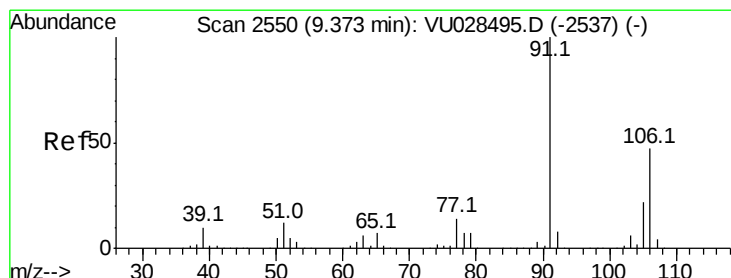
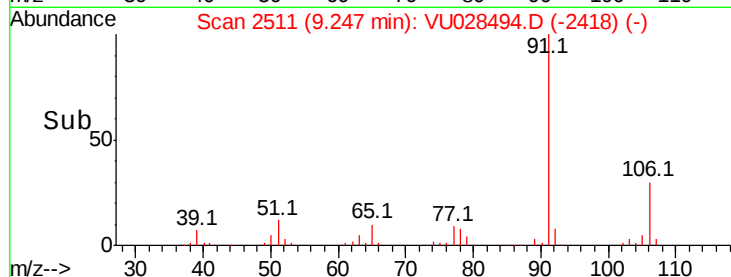
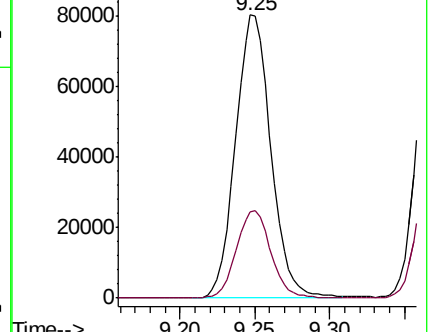
91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU028494.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028494.D (-2497) (-)



#68

m/p-Xylenes

Concen: 40.433 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028494.D

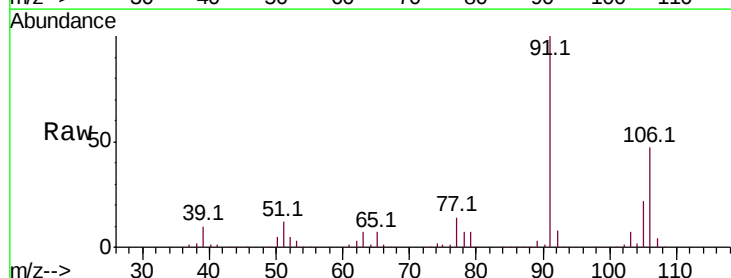
Acq: 06 Dec 2018 12:10

Tgt Ion: 106 Resp: 97469

Ion Ratio Lower Upper

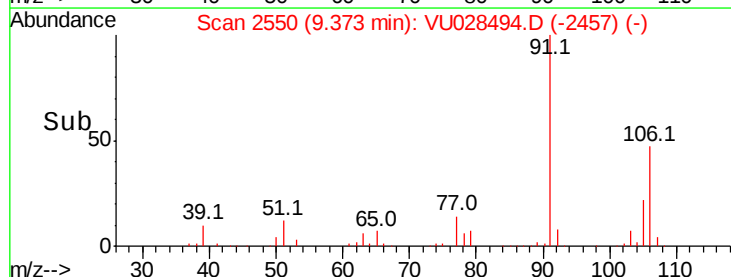
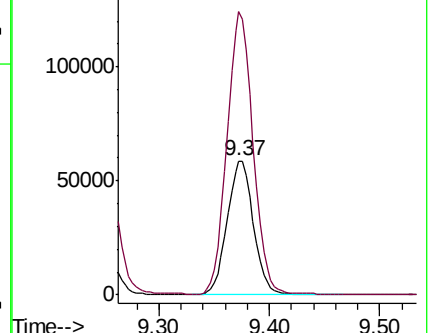
106 100

91 209.2 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028494.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU028494.D (-2537) (-)

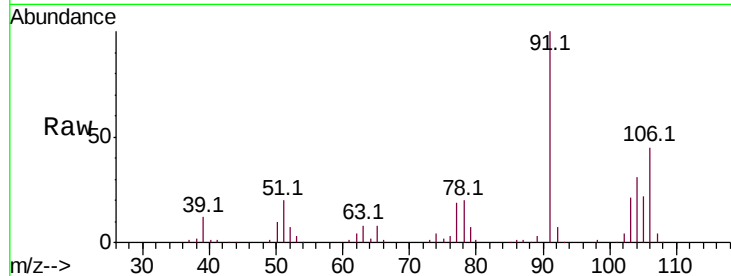




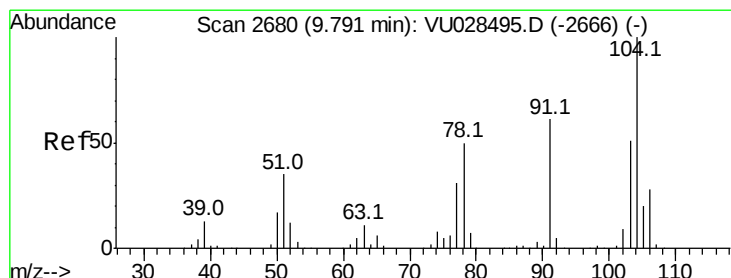
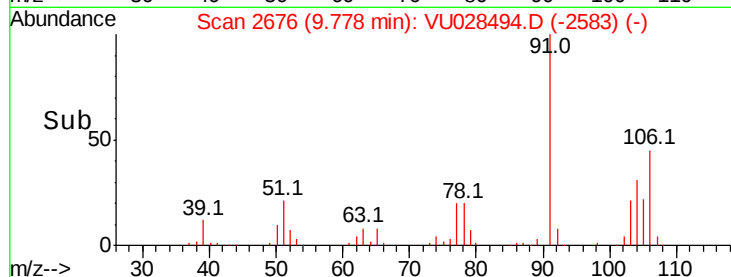
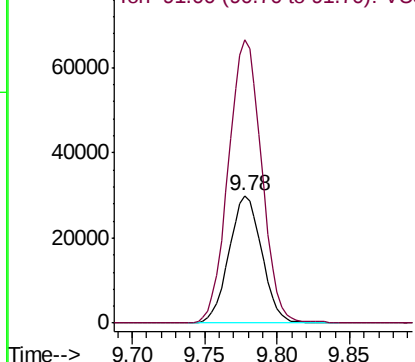
#69
o-Xylene
Concen: 20.045 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 46958
Ion Ratio Lower Upper
106 100
91 225.7 111.3 334.0

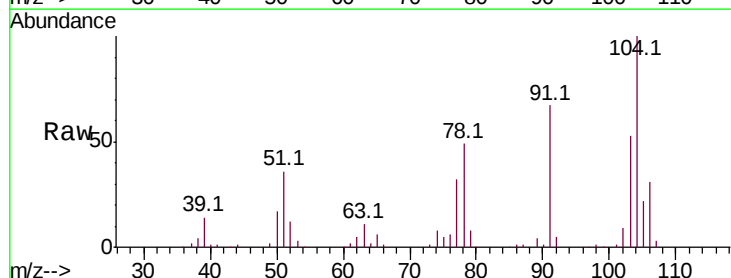


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

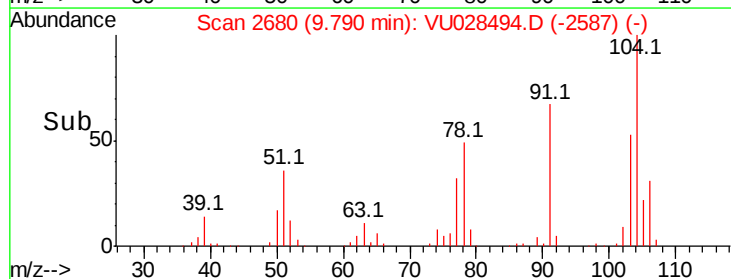
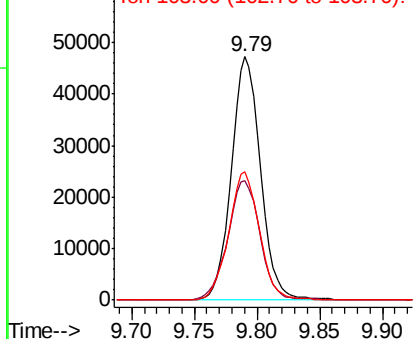


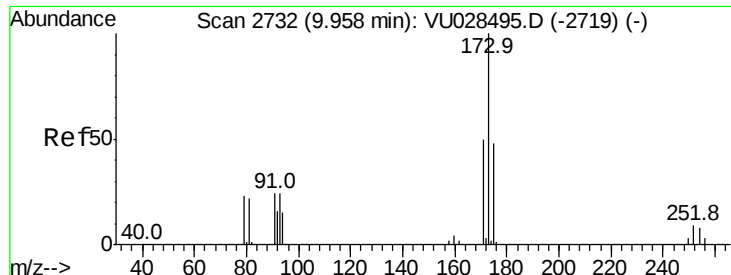
#70
Styrene
Concen: 19.737 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion:104 Resp: 76516
Ion Ratio Lower Upper
104 100
78 54.3 43.0 64.6
103 55.7 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: 20.021 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

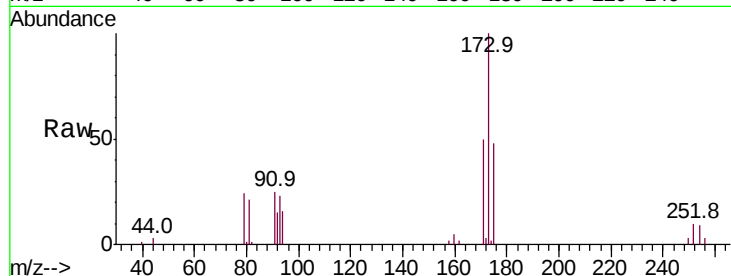
Tot Ion:173 Resp: 19600

Ion Ratio Lower Upper

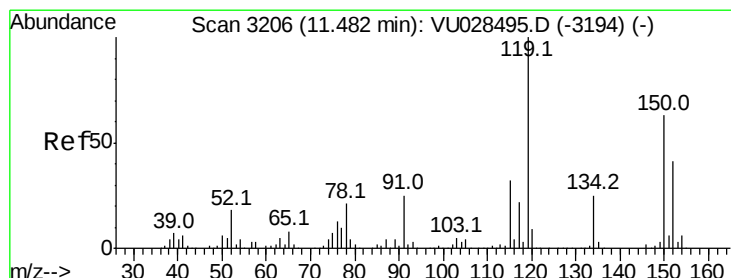
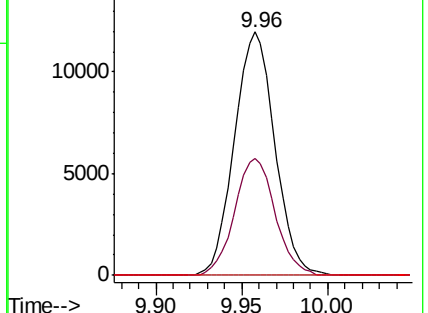
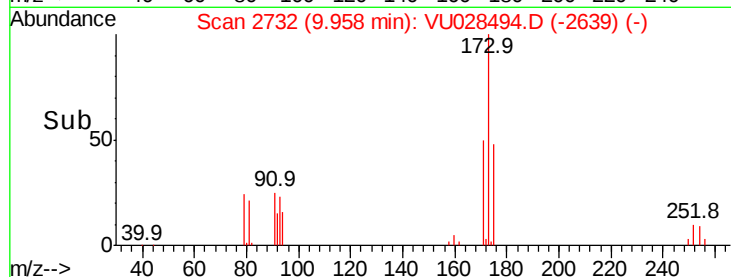
173 100

175 47.9 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: VU028494.D

Acq: 06 Dec 2018 12:10

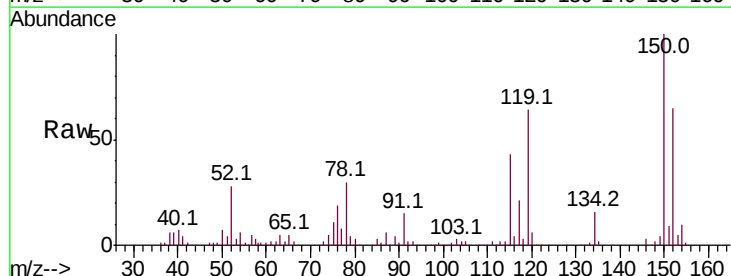
Tgt Ion:152 Resp: 81604

Ion Ratio Lower Upper

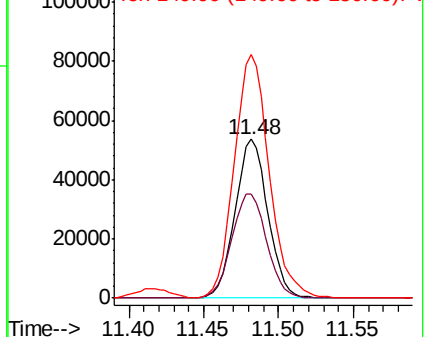
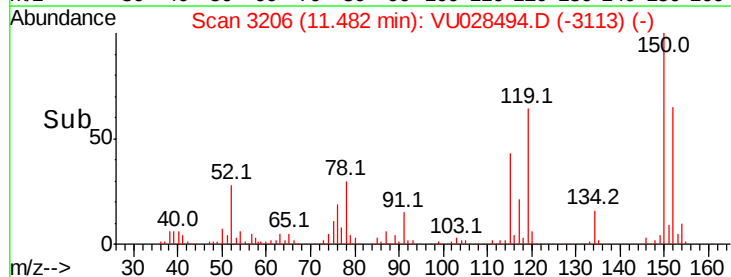
152 100

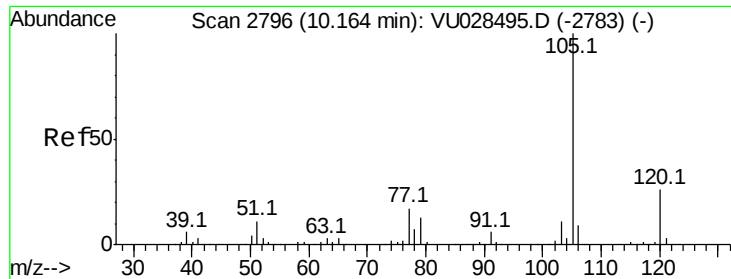
115 70.2 42.7 128.1

150 164.2 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: 20.208 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

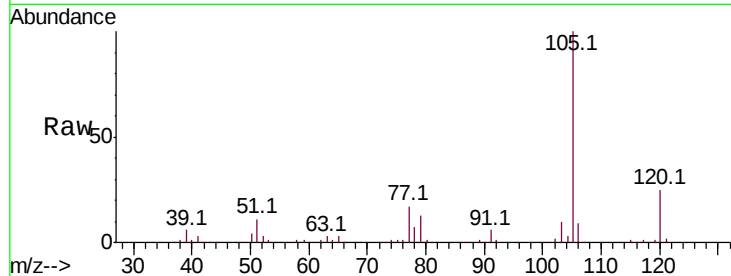
VSTDIC020

Tot Ion:105 Resp: 126537

Ion Ratio Lower Upper

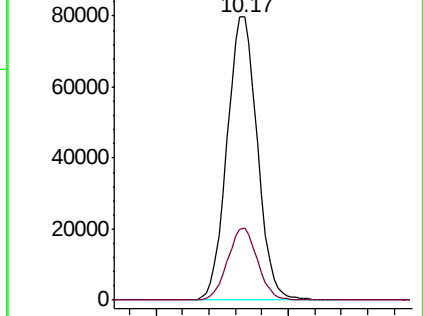
105 100

120 25.1 12.9 38.6

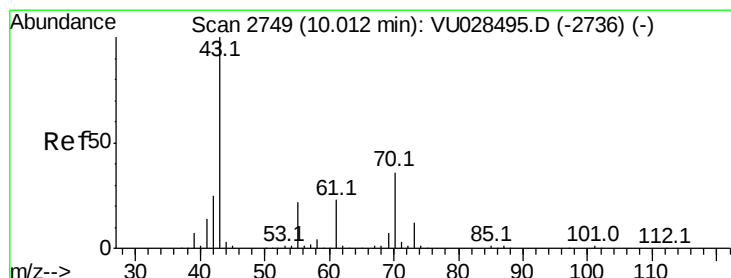
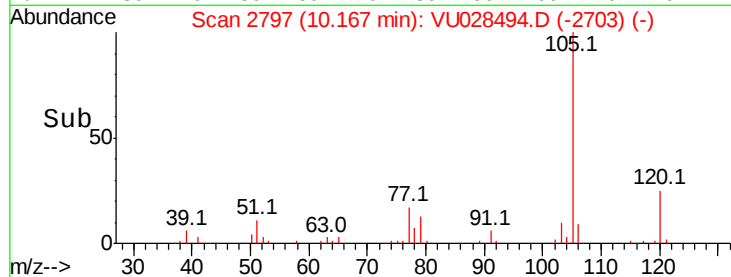


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 19.455 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Tgt Ion: 43 Resp: 70269

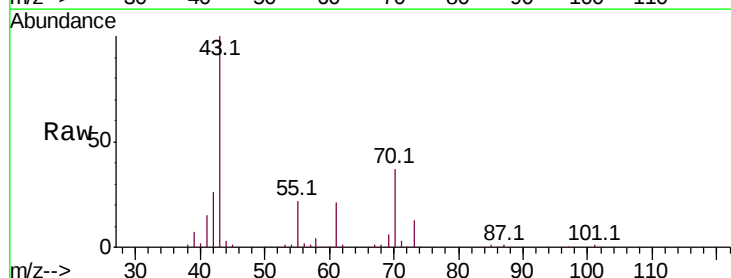
Ion Ratio Lower Upper

43 100

70 37.2 29.3 43.9

55 22.7 18.0 27.0

61 22.6 18.3 27.5

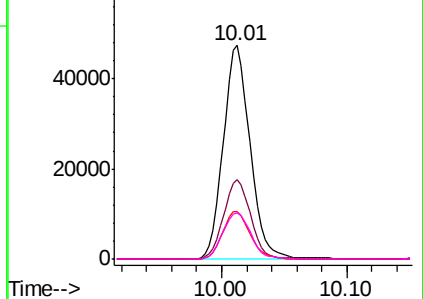


Abundance Ion 43.00 (42.70 to 43.70): VU0

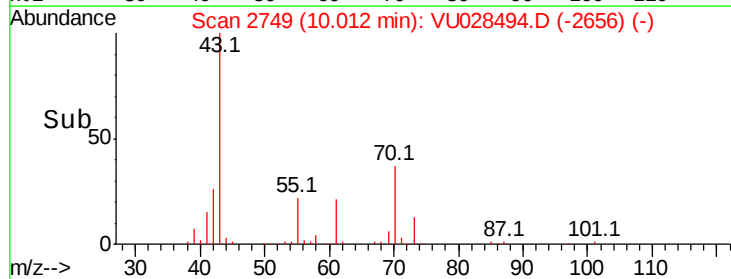
Ion 70.00 (69.70 to 70.70): VU0

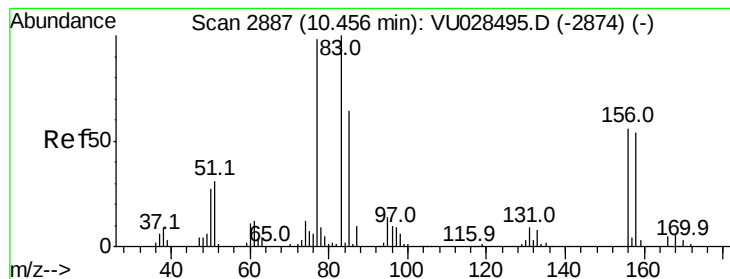
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.915 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

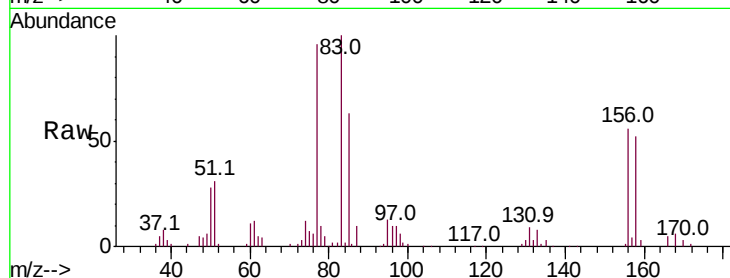
Tot Ion: 83 Resp: 47904

Ion Ratio Lower Upper

83 100

131 8.3 4.2 12.4

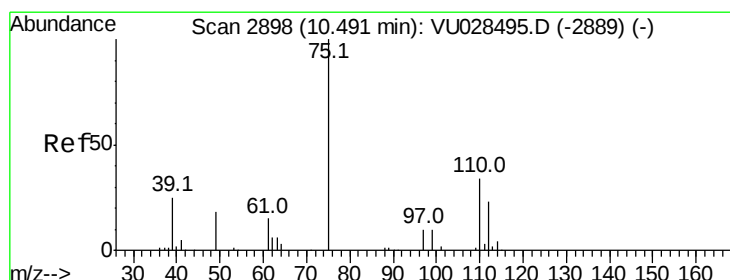
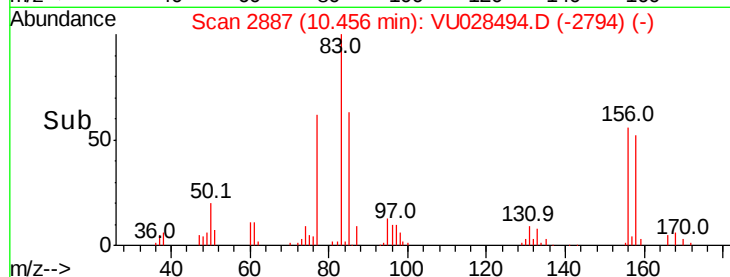
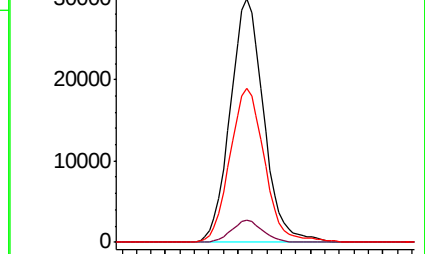
85 65.3 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028494.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028494.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028494.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 24.945 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028494.D

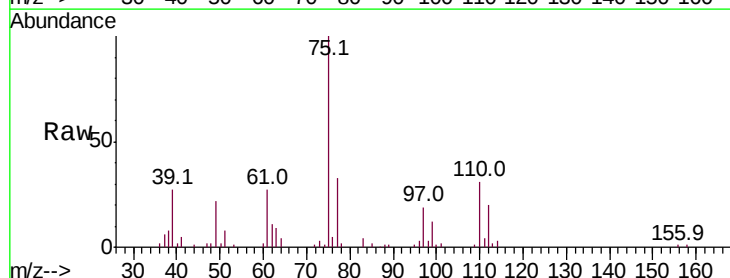
Acq: 06 Dec 2018 12:10

Tgt Ion: 75 Resp: 58727

Ion Ratio Lower Upper

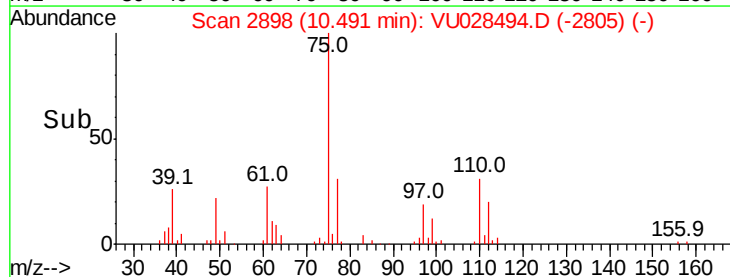
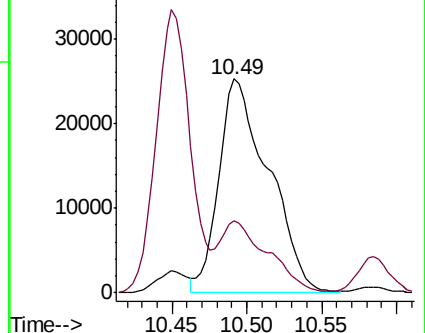
75 100

77 31.1 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028494.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028494.D (-2889) (-)





#77

Bromobenzene

Concen: 19.904 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

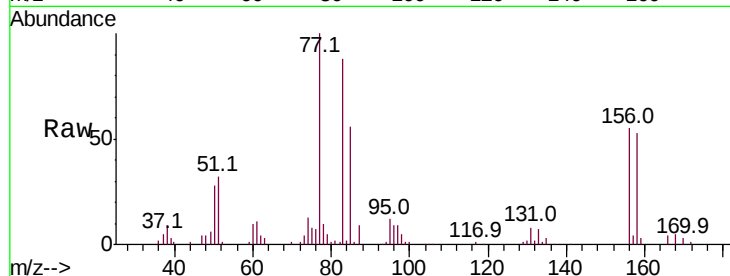
Tot Ion:156 Resp: 29149

Ion Ratio Lower Upper

156 100

77 181.9 92.4 277.2

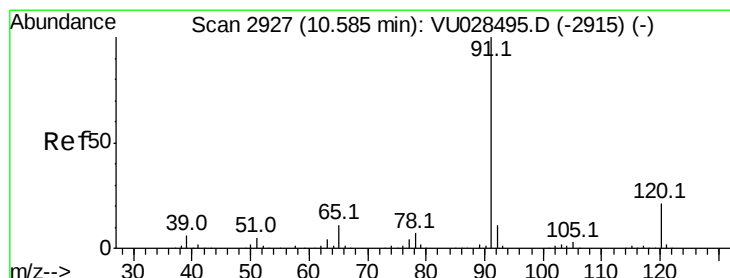
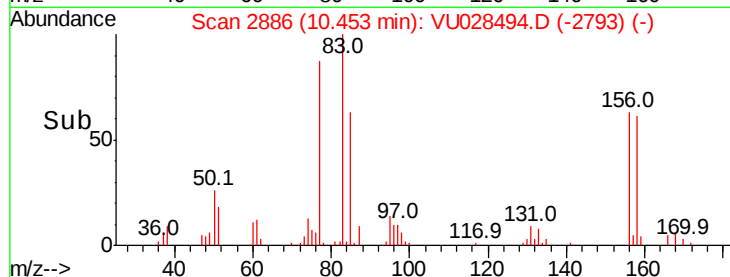
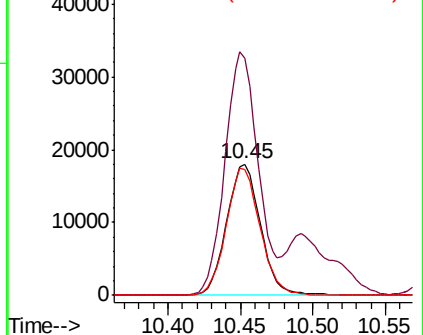
158 96.5 48.4 145.3



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: 19.866 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028494.D

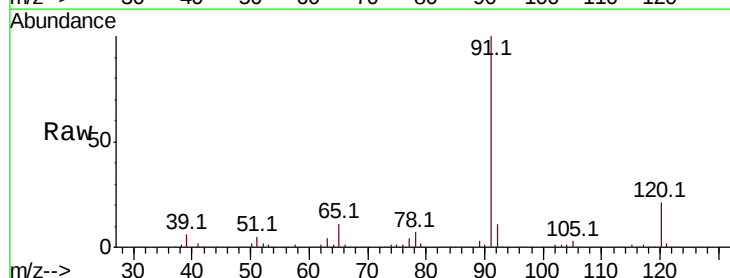
Acq: 06 Dec 2018 12:10

Tgt Ion: 91 Resp: 154574

Ion Ratio Lower Upper

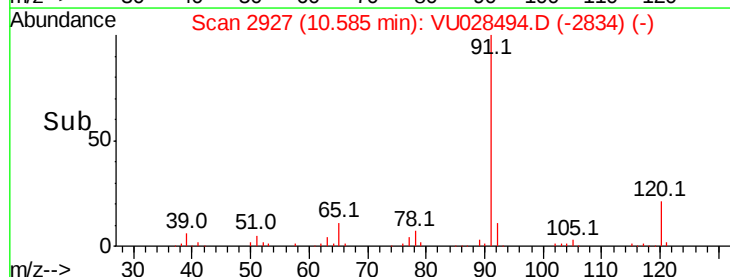
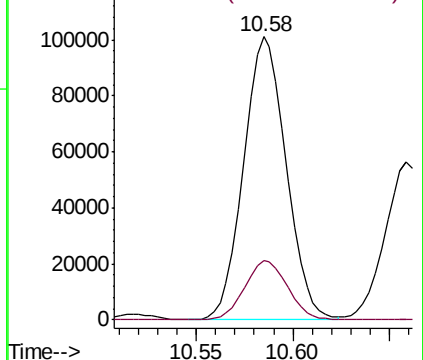
91 100

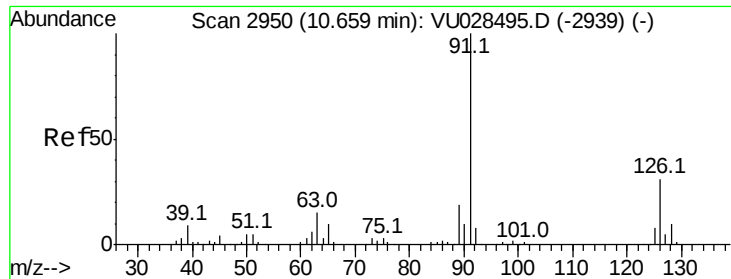
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

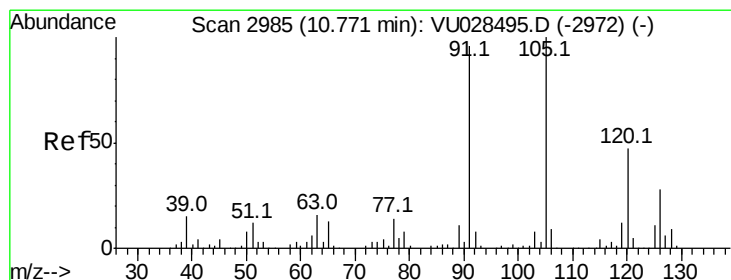
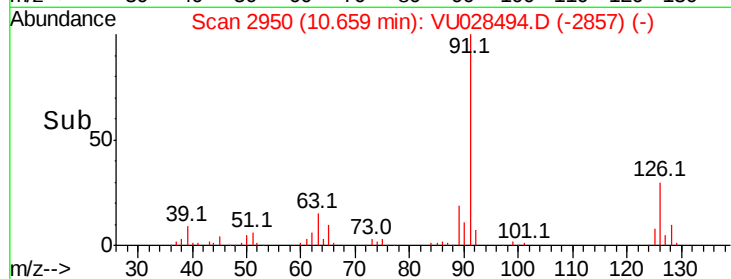
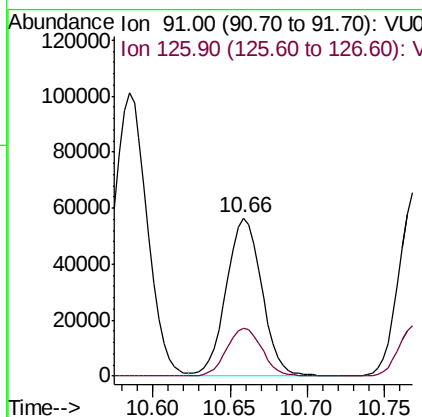
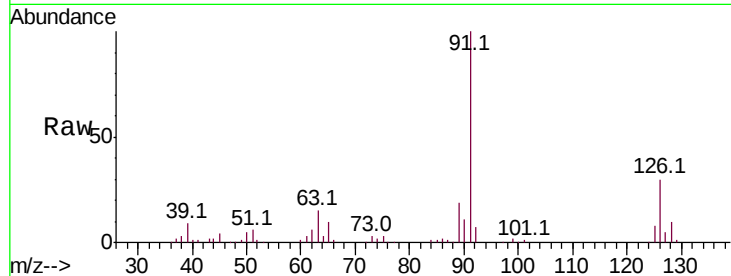




#79
 2-Chlorotoluene
 Concen: 20.170 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

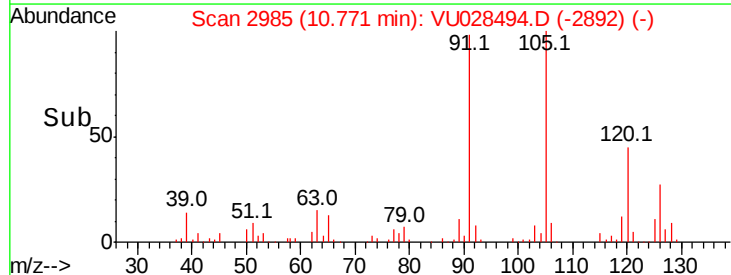
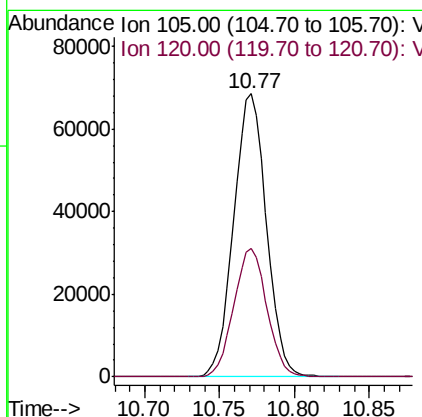
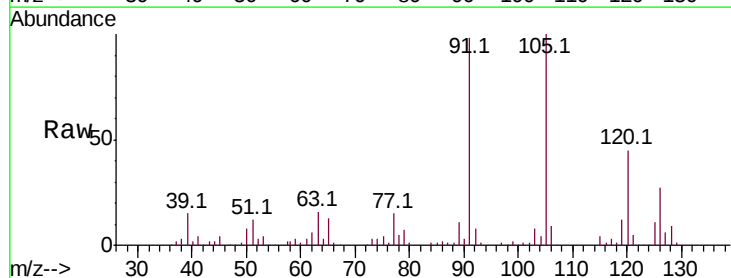
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

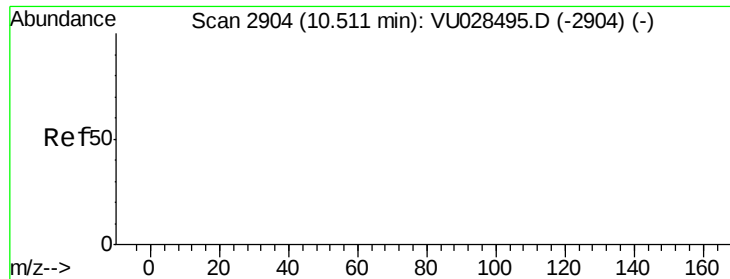
Tot Ion: 91 Resp: 90399
 Ion Ratio Lower Upper
 91 100
 126 30.1 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.147 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion: 105 Resp: 104430
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.7 71.1

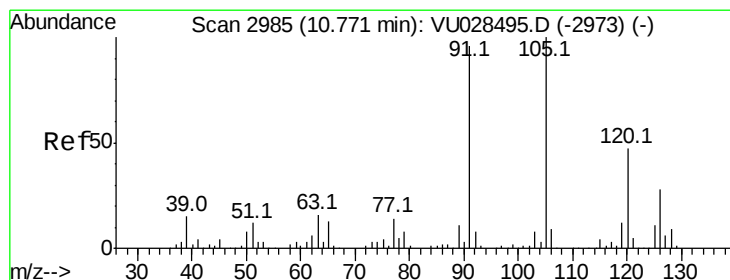
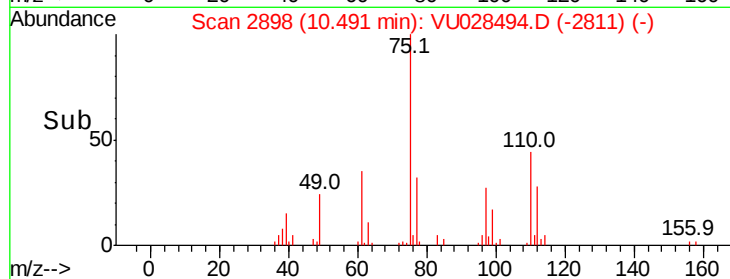
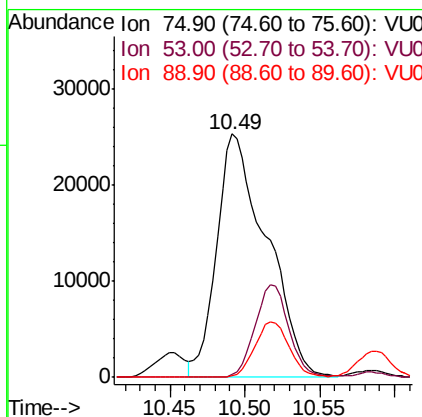
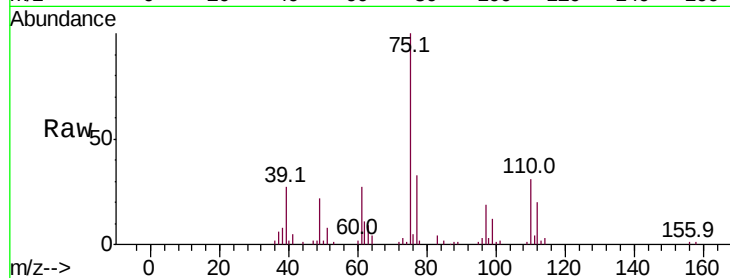




#81
trans-1,4-Dichloro-2-butene
Concen: 50.439 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

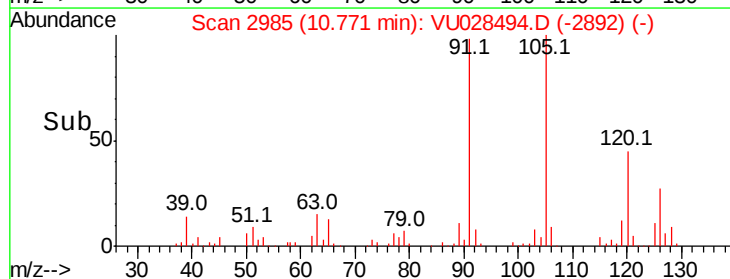
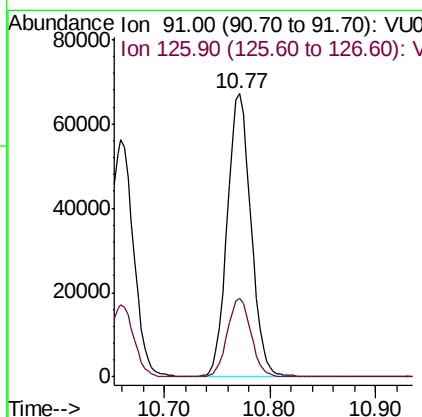
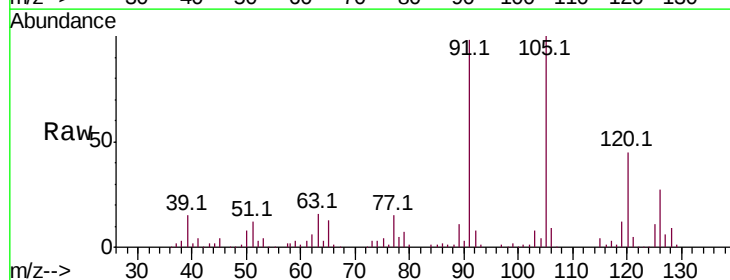
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

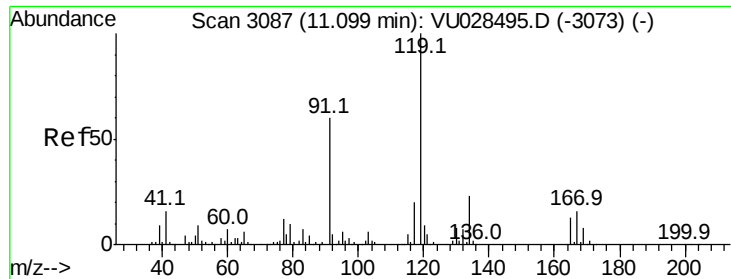
Tot Ion: 75 Resp: 58727
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.729 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion: 91 Resp: 104785
Ion Ratio Lower Upper
91 100
126 27.7 14.1 42.3

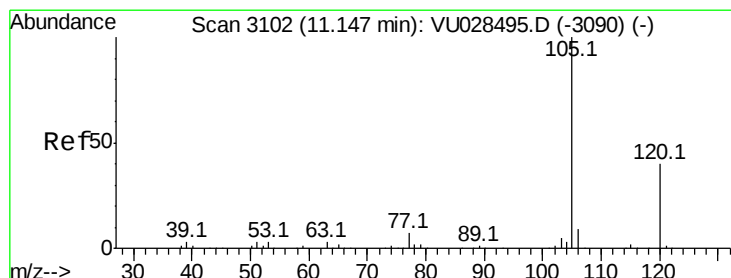
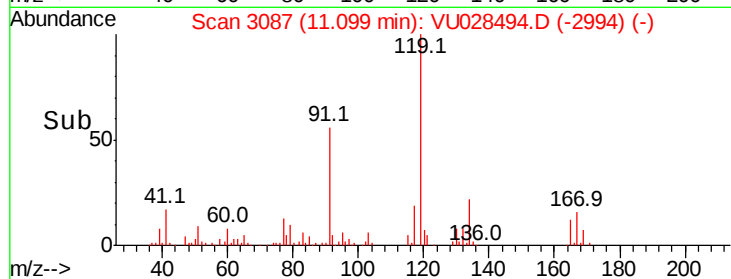
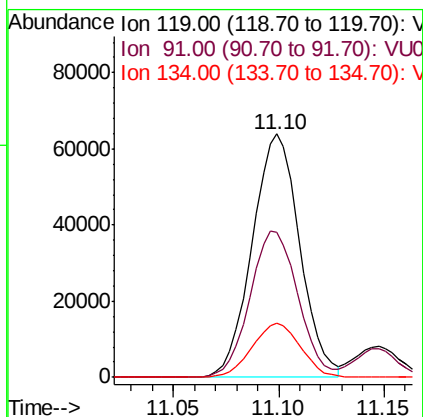
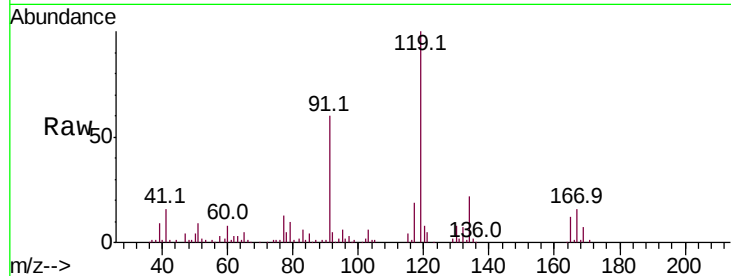




#83
tert-Butylbenzene
Concen: 20.022 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

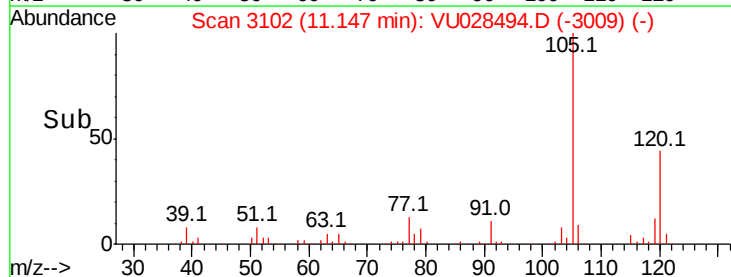
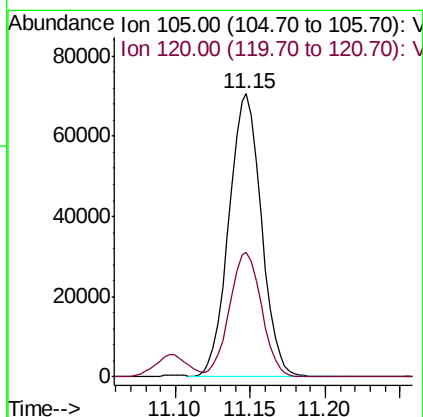
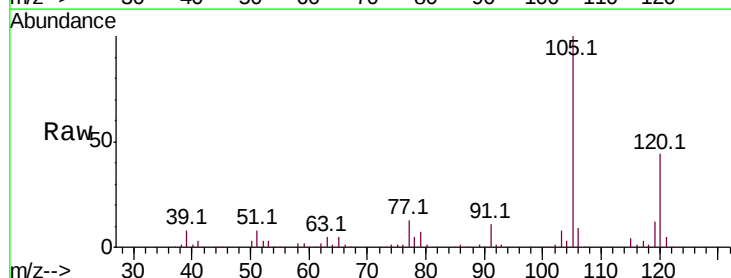
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

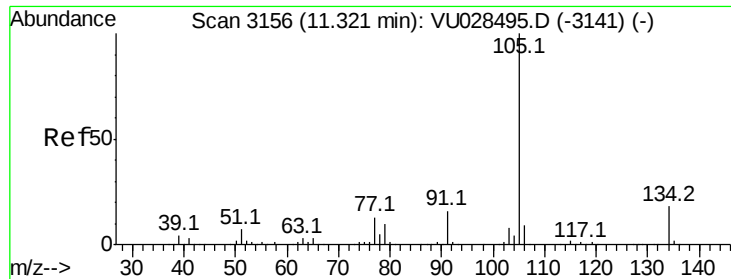
Tot Ion:119 Resp: 100032
Ion Ratio Lower Upper
119 100
91 60.7 30.3 91.0
134 22.5 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 20.013 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion:105 Resp: 106905
Ion Ratio Lower Upper
105 100
120 43.5 21.8 65.4

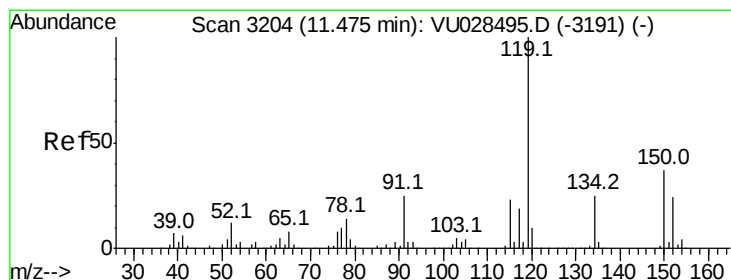
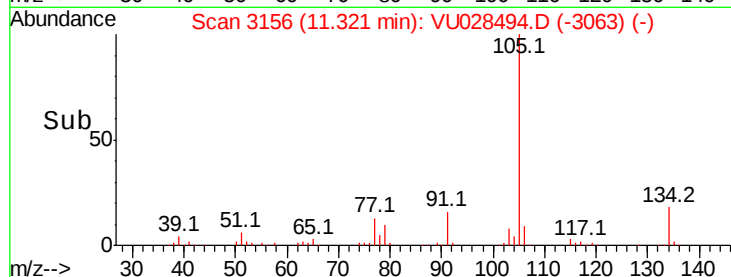
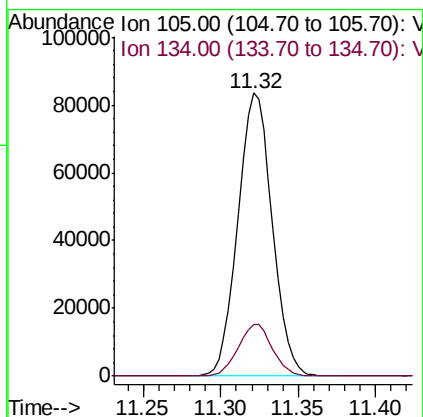
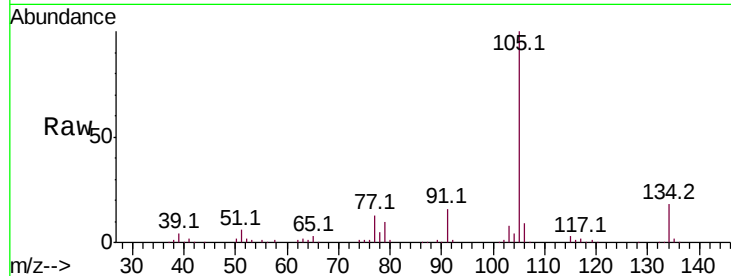




#85
 sec-Butylbenzene
 Concen: 20.050 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

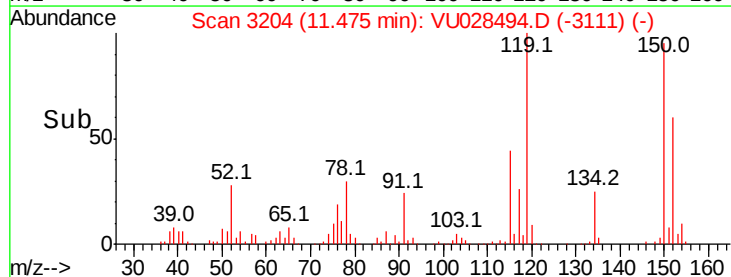
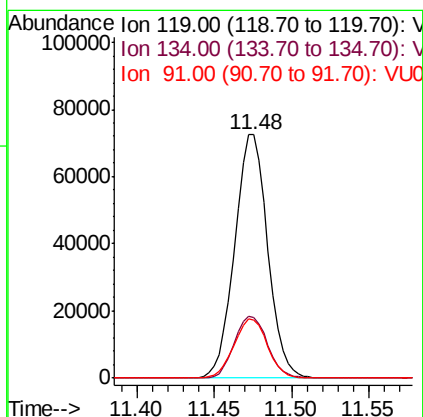
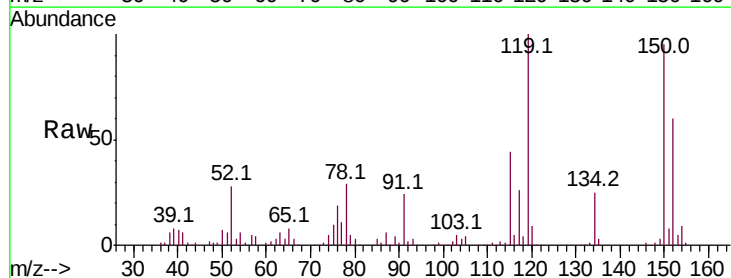
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:105 Resp: 128686
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 19.681 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion:119 Resp: 107301
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.1
 91 24.6 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 19.329 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

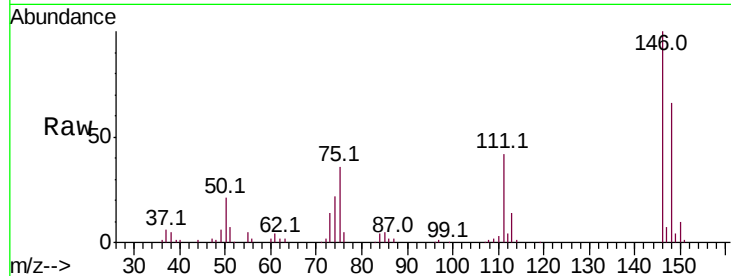
Tot Ion:146 Resp: 53451

Ion Ratio Lower Upper

146 100

111 41.7 20.7 62.1

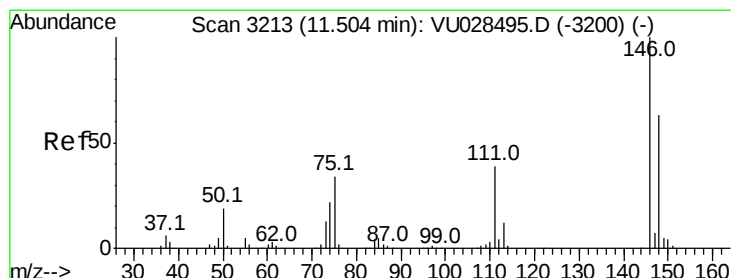
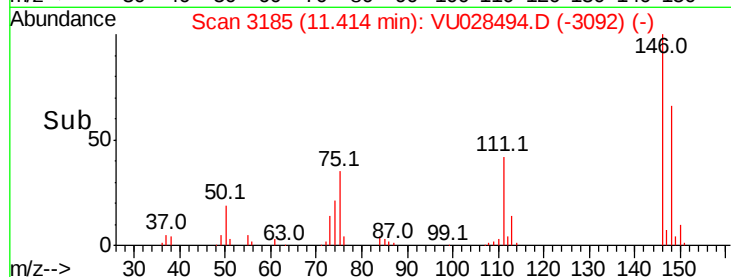
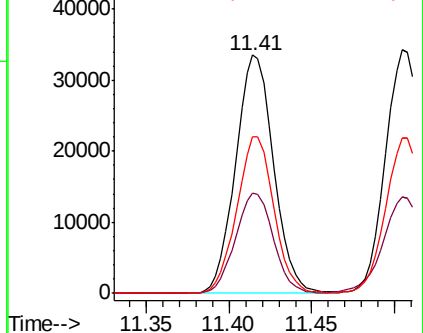
148 64.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.898 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028494.D

Acq: 06 Dec 2018 12:10

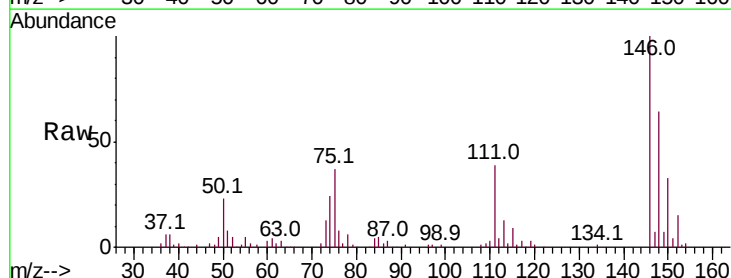
Tgt Ion:146 Resp: 54069

Ion Ratio Lower Upper

146 100

111 42.3 20.2 60.5

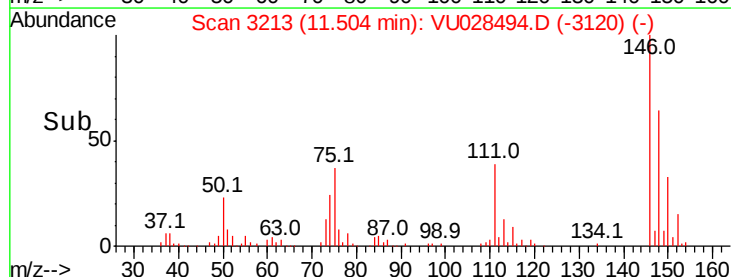
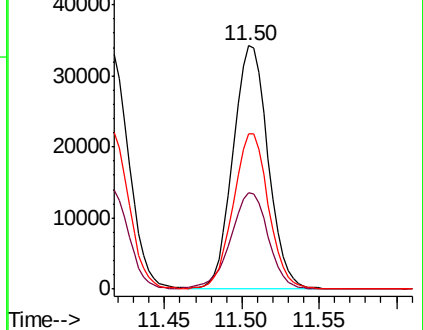
148 64.2 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

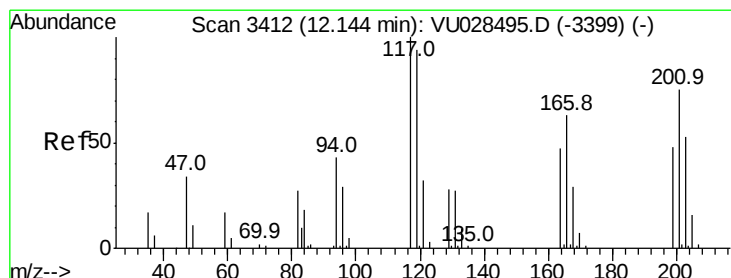
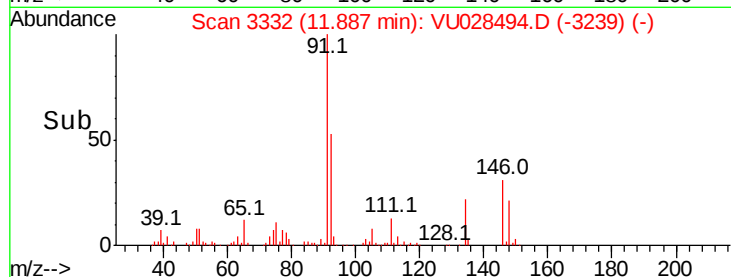
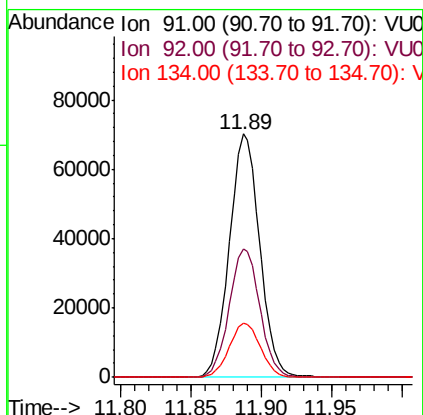
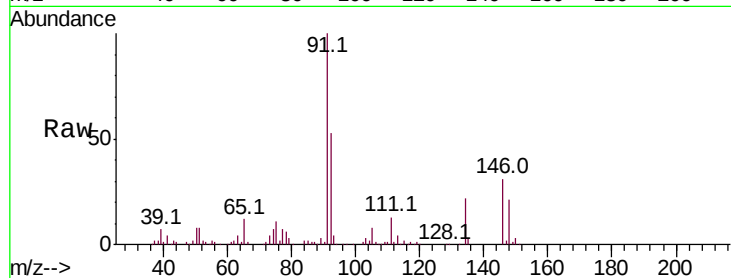




#89
n-Butylbenzene
Concen: 19.179 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

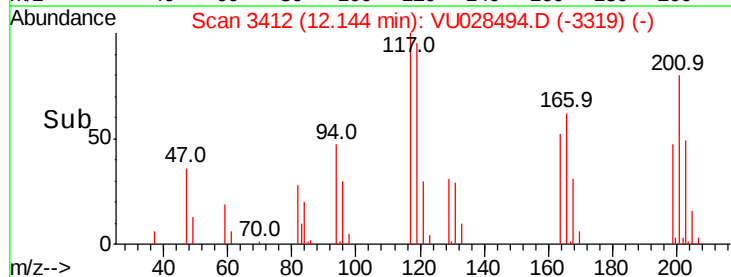
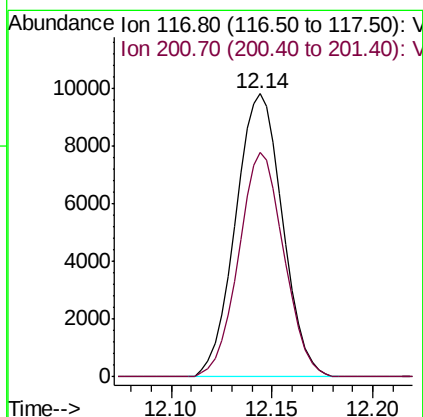
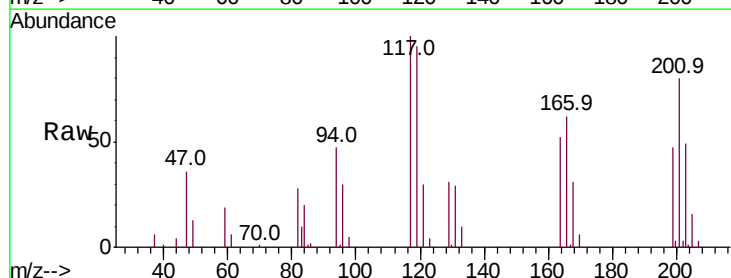
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 105827
Ion Ratio Lower Upper
91 100
92 53.3 26.3 78.9
134 22.9 11.3 33.8



#90
Hexachloroethane
Concen: 19.407 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion: 117 Resp: 15993
Ion Ratio Lower Upper
117 100
201 76.5 38.1 114.5

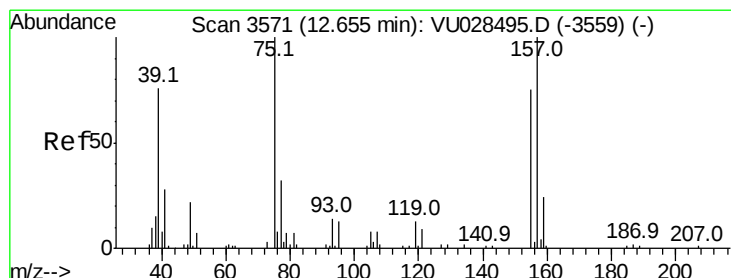
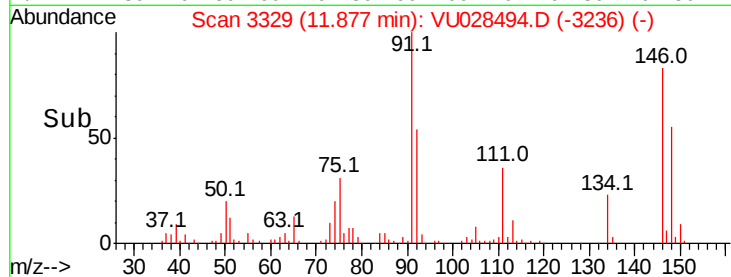
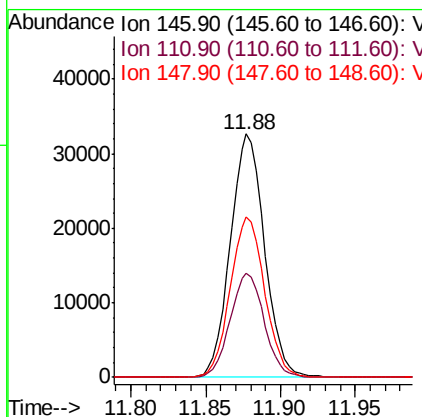
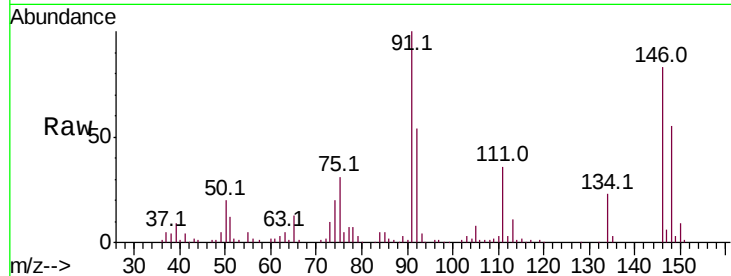




#91
 1,2-Dichlorobenzene
 Concen: 18.752 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

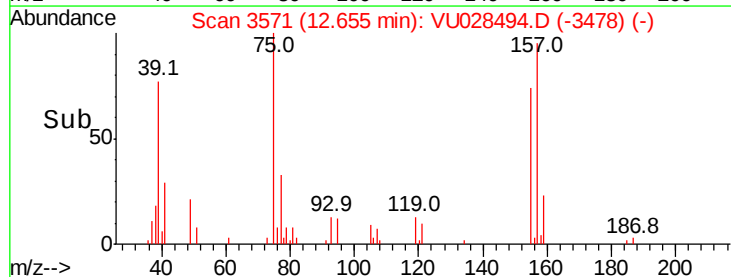
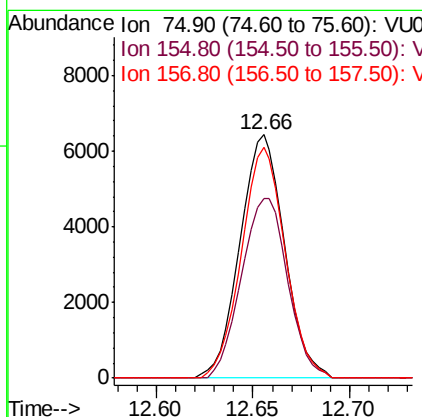
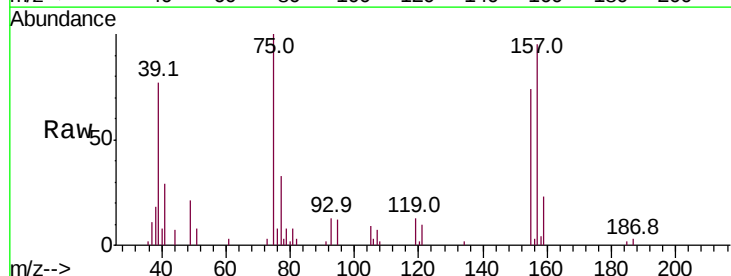
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

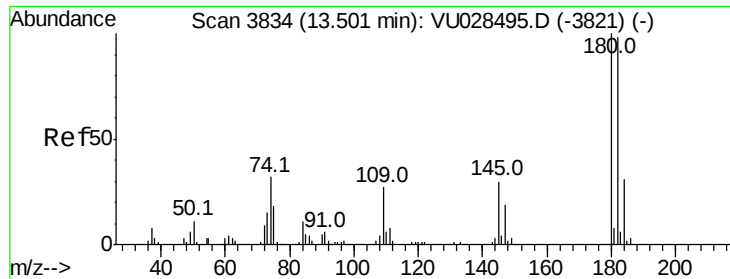
Tot Ion:146 Resp: 51870
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.1 63.4
 148 66.4 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.811 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion: 75 Resp: 10317
 Ion Ratio Lower Upper
 75 100
 155 76.6 38.1 114.5
 157 93.0 48.7 146.1

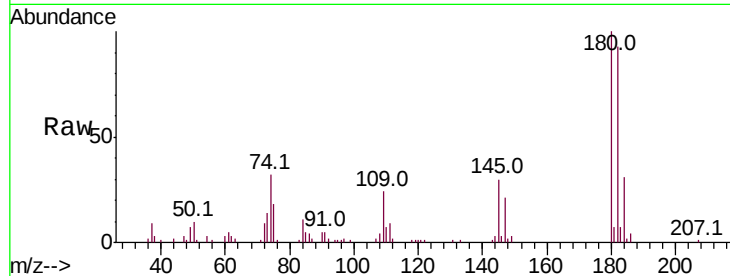




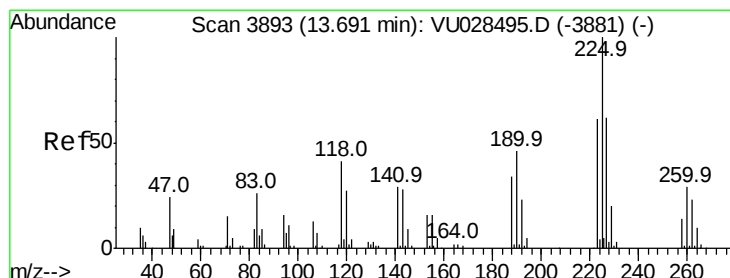
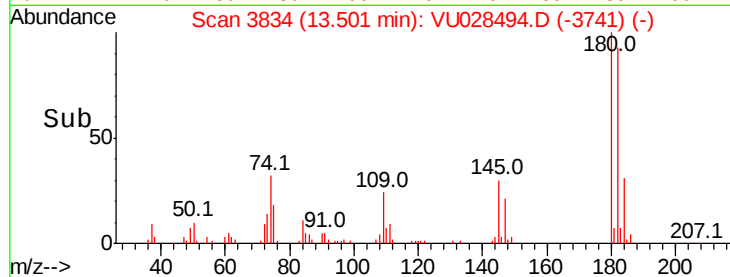
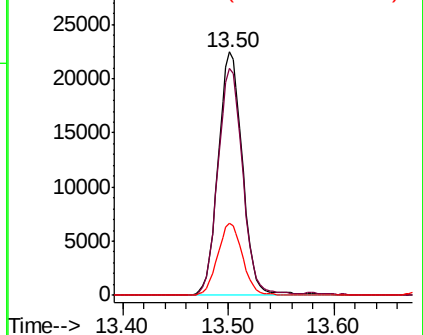
#93
 1,2,4-Trichlorobenzene
 Concen: 18.098 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 35891
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.9 143.8
 145 30.2 15.0 45.1

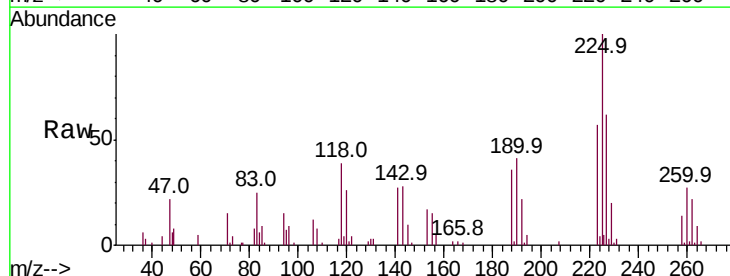


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

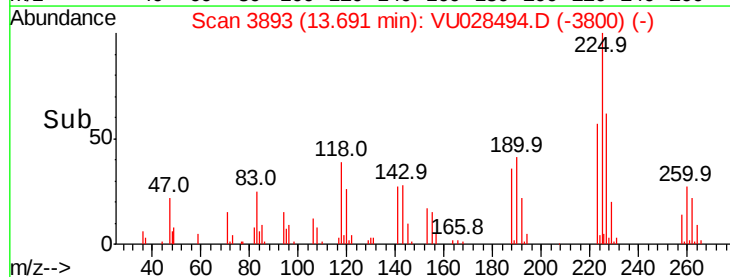
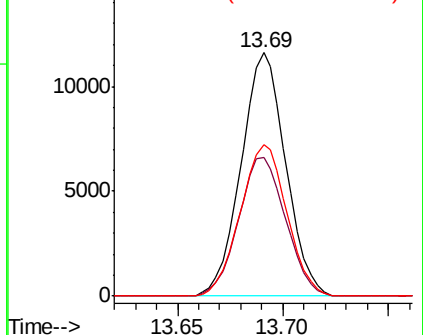


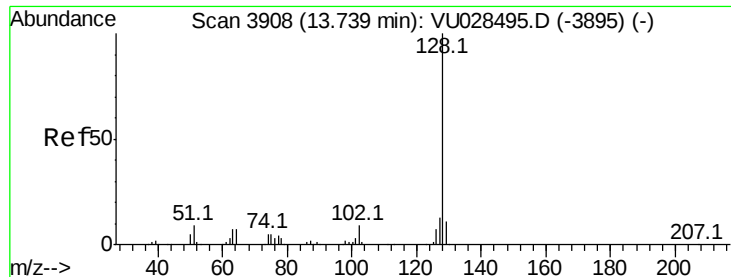
#94
 Hexachlorobutadiene
 Concen: 18.781 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028494.D
 Acq: 06 Dec 2018 12:10

Tgt Ion:225 Resp: 17017
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.4 91.2
 227 65.0 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

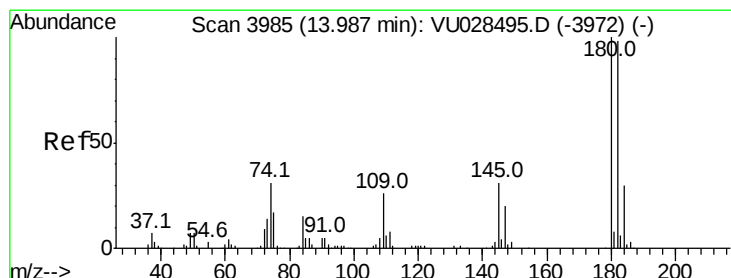
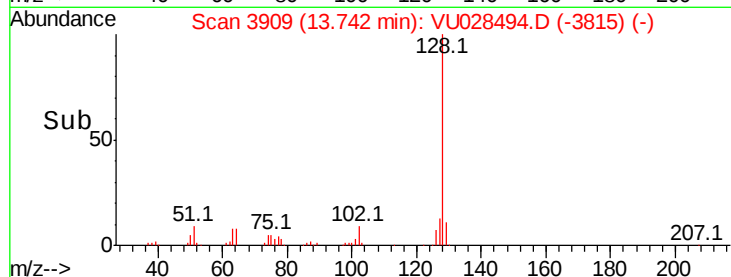
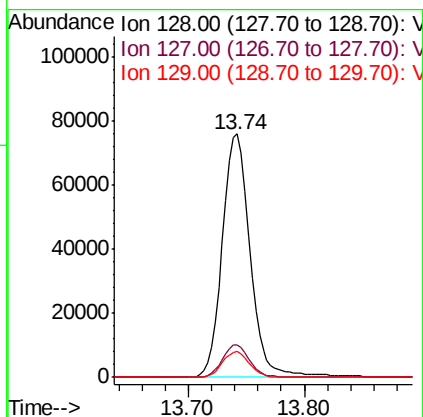
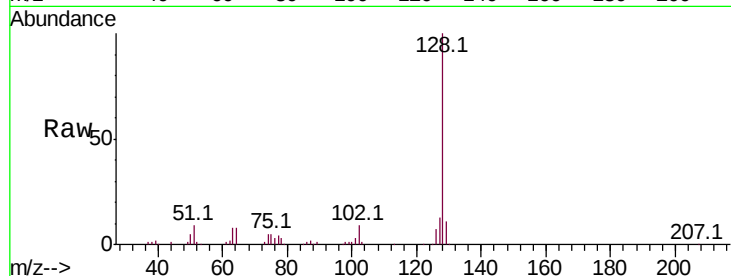




#95
Naphthalene
Concen: 18.961 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 125853
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.697 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028494.D
Acq: 06 Dec 2018 12:10

Tgt Ion:180 Resp: 37303
Ion Ratio Lower Upper
180 100
182 95.6 48.2 144.6
145 30.2 15.8 47.3

