

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
 Data File : VU028718.D
 Acq On : 17 Dec 2018 14:18
 Operator : MD/SY
 Sample : J6411-16MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:07:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	82708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	146550	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	66452	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	4.88	113	50440	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	7.56	98	198037	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
62) 4-Bromofluorobenzene	10.31	95	74286	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	50585	45.630	ug/l	99
3) Chloromethane	1.33	50	88414	43.380	ug/l	99
4) Vinyl Chloride	1.40	62	69026	46.930	ug/l	99
5) Bromomethane	1.60	94	35494	59.907	ug/l	96
6) Chloroethane	1.68	64	40794	48.991	ug/l	98
7) Trichlorofluoromethane	1.88	101	74617	48.219	ug/l	99
8) Diethyl Ether	2.10	74	34735	47.976	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	43401	46.894	ug/l	98
10) Methyl Iodide	2.40	142	47159	64.940	ug/l	99
11) Tert butyl alcohol	2.83	59	101806	362.031	ug/l	99
12) 1,1-Dichloroethene	2.28	96	44163	47.959	ug/l	99
13) Acrolein	2.19	56	74573	332.653	ug/l	99
14) Allyl chloride	2.59	41	103465	47.495	ug/l	89
15) Acrylonitrile	2.93	53	231392	296.382	ug/l	99
16) Acetone	2.32	43	202263	245.575	ug/l	98
17) Carbon Disulfide	2.47	76	151127	45.556	ug/l	100
18) Methyl Acetate	2.61	43	97454	45.645	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	178255	51.063	ug/l	100
20) Methylene Chloride	2.70	84	58092	47.846	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	49323	47.572	ug/l	99
22) Diisopropyl ether	3.57	45	216642	51.139	ug/l	95
23) Vinyl Acetate	3.52	43	616429	176.409	ug/l	100
24) 1,1-Dichloroethane	3.44	63	108493	48.925	ug/l	99
25) 2-Butanone	4.26	43	328180	291.568	ug/l	100
26) 2,2-Dichloropropane	4.22	77	29513	16.797	ug/l	92
27) cis-1,2-Dichloroethene	4.22	96	58568	49.908	ug/l	90
28) Bromochloromethane	4.55	49	54362	53.925	ug/l	99
29) Tetrahydrofuran	4.64	42	224669	310.795	ug/l	99
30) Chloroform	4.67	83	98526	50.978	ug/l	99
31) Cyclohexane	4.99	56	96509	44.465	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	80271	50.007	ug/l	99
36) 1,1-Dichloropropene	5.13	75	75650	47.173	ug/l	99
37) Ethyl Acetate	4.38	43	84431	40.727	ug/l	100
38) Carbon Tetrachloride	5.13	117	65642	50.784	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	71576	36.584	ug/l	99
40) Benzene	5.39	78	233900	49.522	ug/l	98
41) Methacrylonitrile	4.54	41	65985	58.121	ug/l	97
42) 1,2-Dichloroethane	5.40	62	80693	48.808	ug/l	100
43) Isopropyl Acetate	5.55	43	150057	45.763	ug/l	99
44) Trichloroethene	6.18	130	50912	48.479	ug/l	97
45) 1,2-Dichloropropane	6.43	63	68935	51.901	ug/l	97
46) Dibromomethane	6.56	93	40326	51.171	ug/l	97
47) Bromodichloromethane	6.76	83	78861	51.425	ug/l	99
48) Methyl methacrylate	6.62	41	89797	55.068	ug/l	98
49) 1,4-Dioxane	6.61	88	32390	1257.990	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	632948	306.054	ug/l	100
52) Toluene	7.64	92	137226	49.367	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	78179	42.805	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	82242	41.505	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	63509	57.799	ug/l	98
56) Ethyl methacrylate	8.02	69	102375	54.408	ug/l	99
57) 1,3-Dichloropropane	8.24	76	103424	50.706	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.26	63	439	0.456	ug/l #	54
59) 2-Hexanone	8.36	43	509956	311.103	ug/l	99
60) Dibromochloromethane	8.48	129	57723	53.657	ug/l	99
61) 1,2-Dibromoethane	8.58	107	61268	53.172	ug/l	98
64) Tetrachloroethene	8.22	164	40962	44.688	ug/l	98
65) Chlorobenzene	9.12	112	144416	49.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	50273	53.762	ug/l	100
67) Ethyl Benzene	9.25	91	287218	53.355	ug/l	99
68) m/p-Xylenes	9.37	106	224711	114.720	ug/l	99
69) o-Xylene	9.78	106	97048	50.983	ug/l	100
70) Styrene	9.79	104	158096	50.186	ug/l	98
71) Bromoform	9.96	173	47609	59.849	ug/l #	99
73) Isopropylbenzene	10.17	105	1320936	259.205	ug/l	100
74) N-amyl acetate	10.01	43	125044	42.538	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.46	83	120990	61.804	ug/l	96
76) 1,2,3-Trichloropropane	10.49	75	117356	69.201	ug/l	84
77) Bromobenzene	10.45	156	61568	51.657	ug/l	99
78) n-propylbenzene	10.59	91	2796406	441.604	ug/l	100
79) 2-Chlorotoluene	10.66	91	160444	43.986	ug/l	92
80) 1,3,5-Trimethylbenzene	10.77	105	195002	46.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	117356	168.884	ug/l #	100
82) 4-Chlorotoluene	10.77	91	203131	46.994	ug/l	98
83) tert-Butylbenzene	11.10	119	278062	68.388	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	2345209	539.449	ug/l	99
85) sec-Butylbenzene	11.32	105	742616	142.170	ug/l	99
86) p-Isopropyltoluene	11.48	119	217943	49.118	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	107200	47.633	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	110600	47.500	ug/l	99
89) n-Butylbenzene	11.89	91	437436	97.412	ug/l	90
90) Hexachloroethane	12.14	117	56454	84.177	ug/l	61
91) 1,2-Dichlorobenzene	11.88	146	112430	49.943	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30473	71.900	ug/l	94

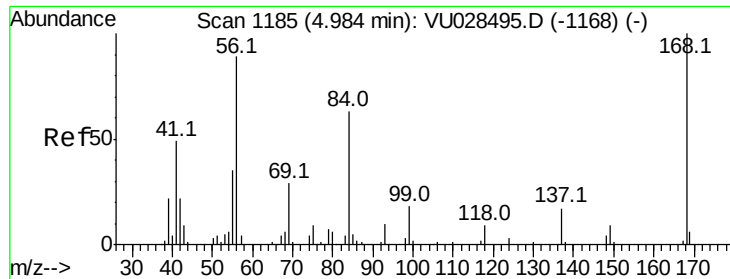
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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	70488	45.642	ug/l	97
94) Hexachlorobutadiene	13.69	225	14992	20.331	ug/l	96
95) Naphthalene	13.74	128	309380	57.272	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	74610	48.466	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

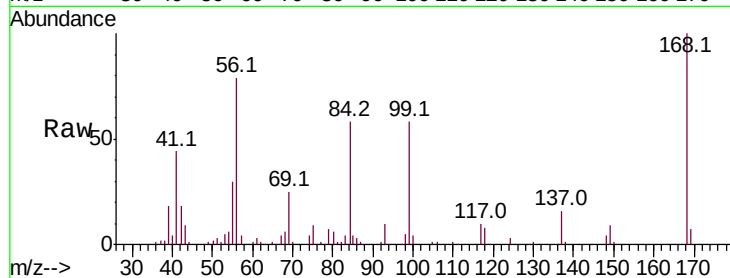
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 82708

Ion Ratio Lower Upper

168 100

99 57.6 46.6 69.8



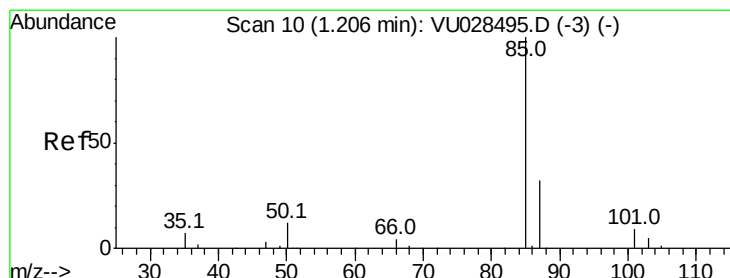
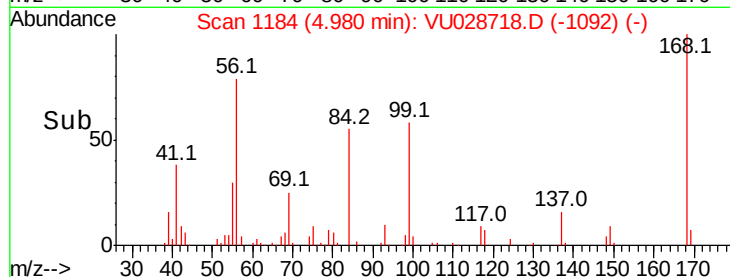
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.630 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028718.D

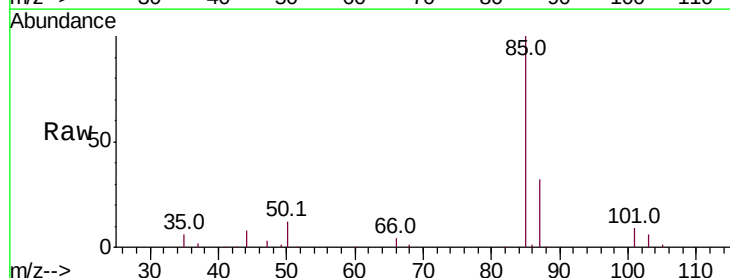
Acq: 17 Dec 2018 14:18

Tgt Ion: 85 Resp: 50585

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



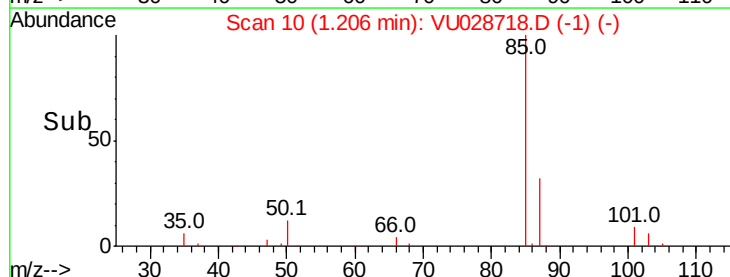
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

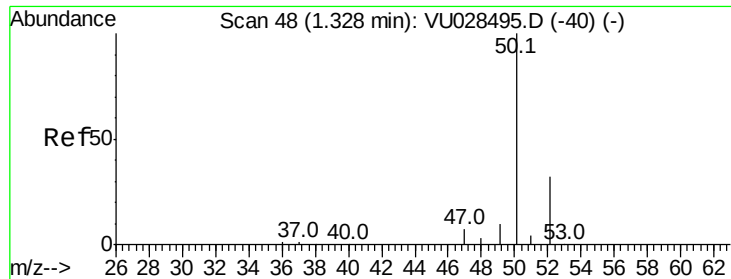
Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.380 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

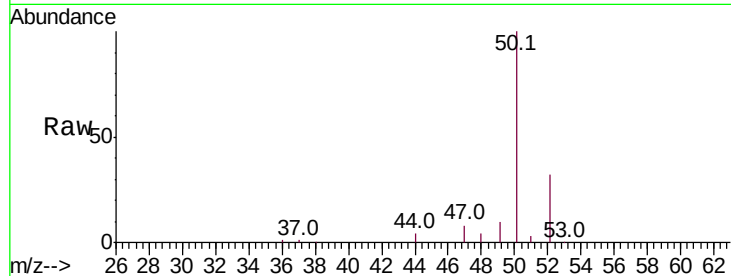
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 88414

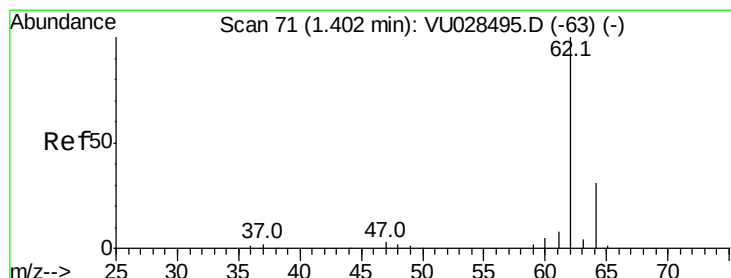
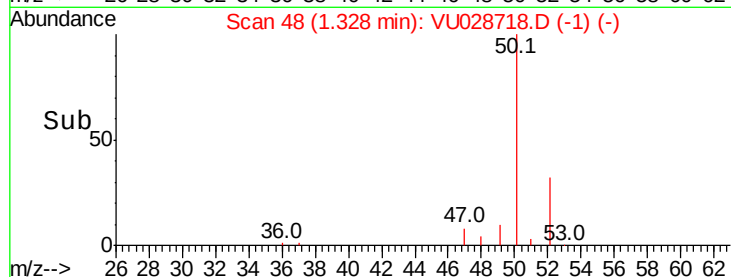
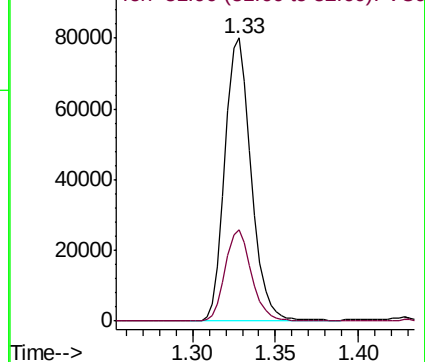
Ion Ratio Lower Upper

50 100

52 32.2 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: 46.930 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028718.D

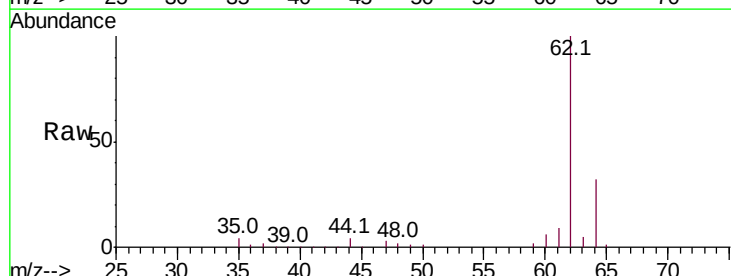
Acq: 17 Dec 2018 14:18

Tgt Ion: 62 Resp: 69026

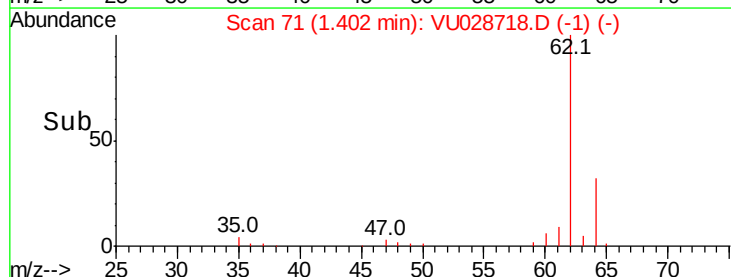
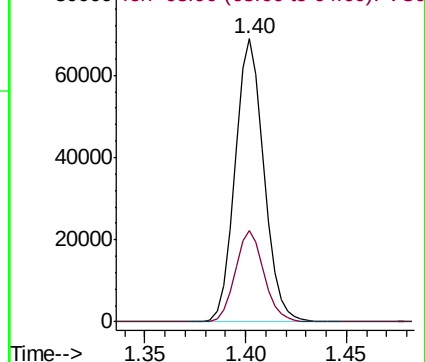
Ion Ratio Lower Upper

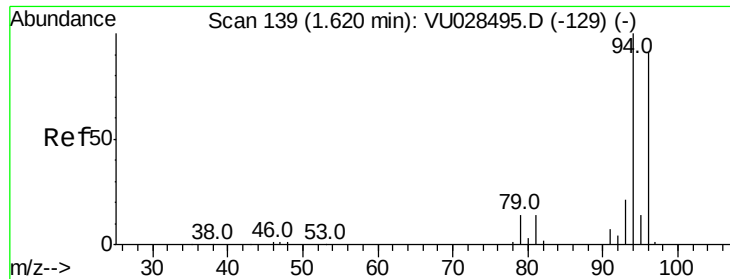
62 100

64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 63.90 (63.60 to 64.60): VU0

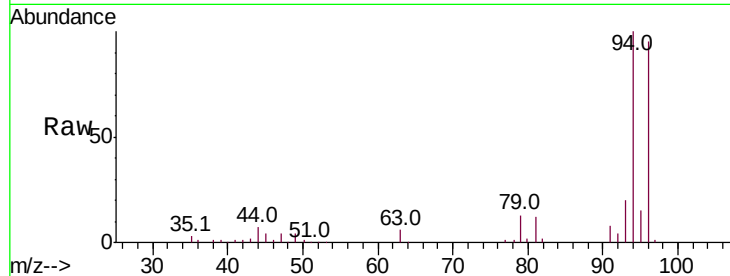




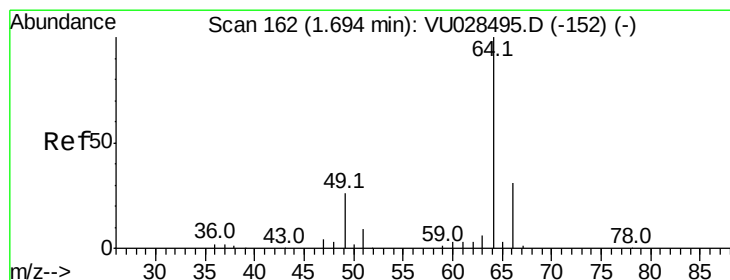
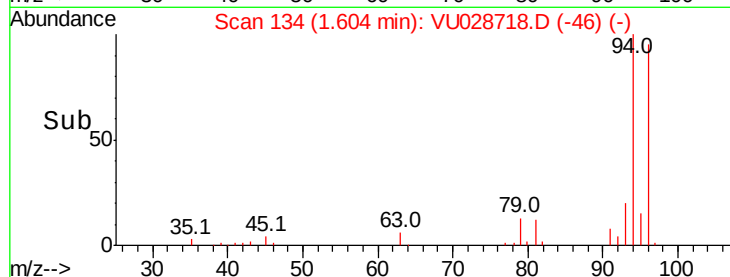
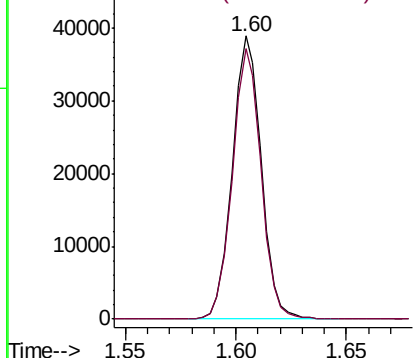
#5
Bromomethane
Concen: 59.907 ug/l
RT: 1.60 min Scan# 134
Delta R.T. -0.02 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 35494
Ion Ratio Lower Upper
94 100
96 95.4 73.2 109.8

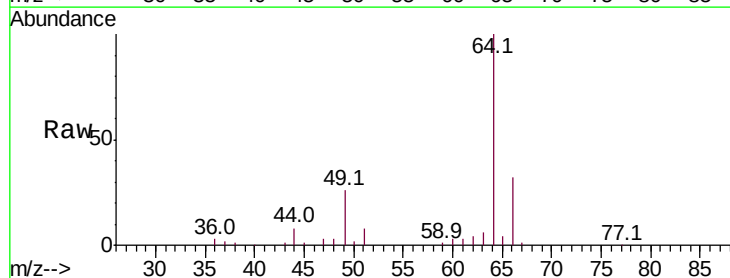


Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0

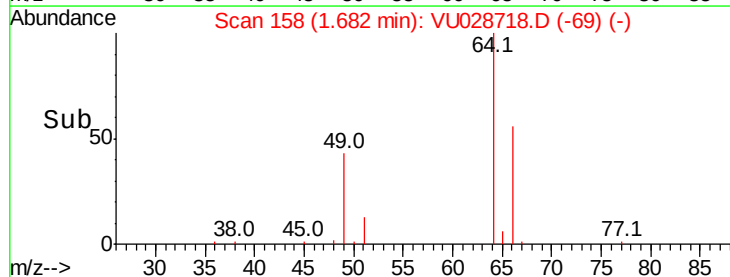
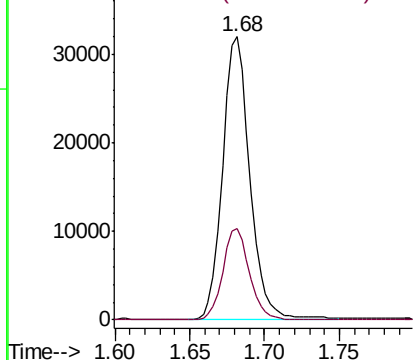


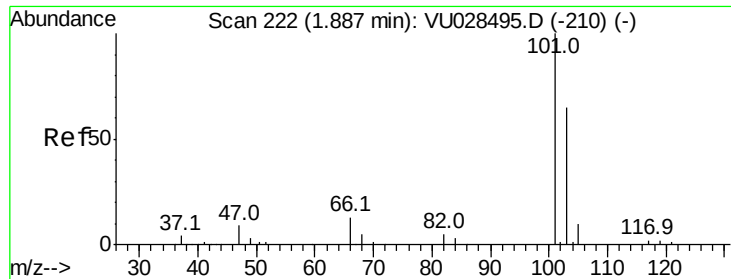
#6
Chloroethane
Concen: 48.991 ug/l
RT: 1.68 min Scan# 158
Delta R.T. -0.01 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 64 Resp: 40794
Ion Ratio Lower Upper
64 100
66 32.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



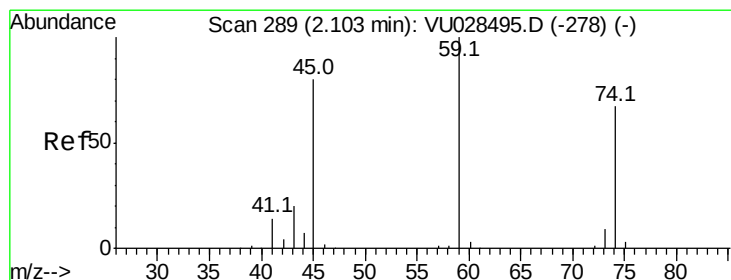
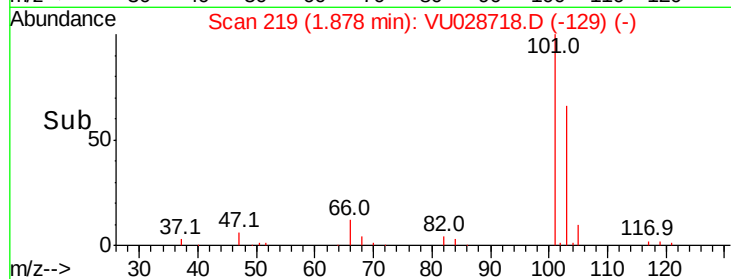
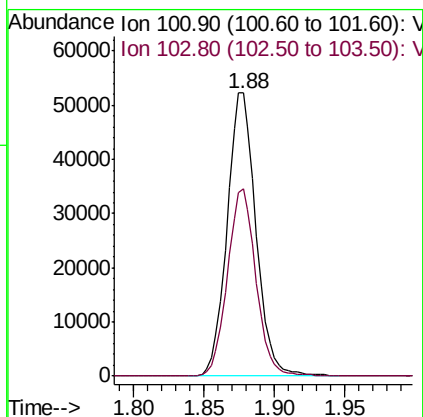
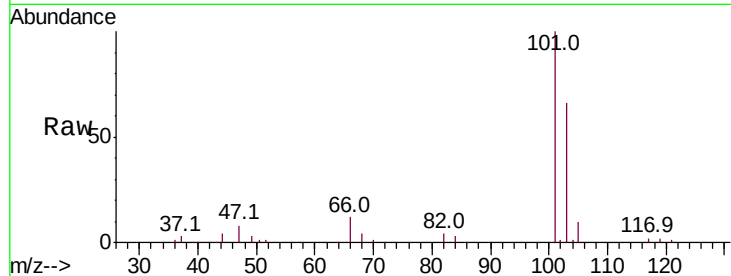


#7

Trichlorofluoromethane
Concen: 48.219 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampled :

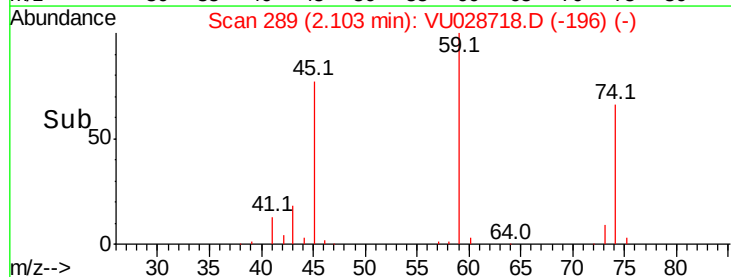
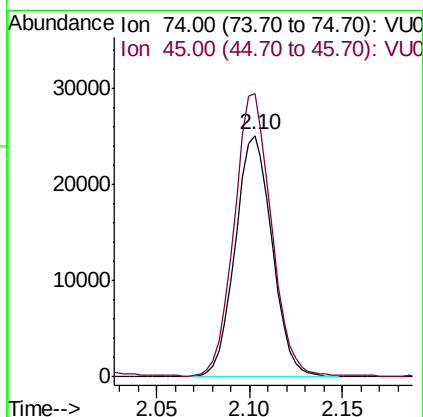
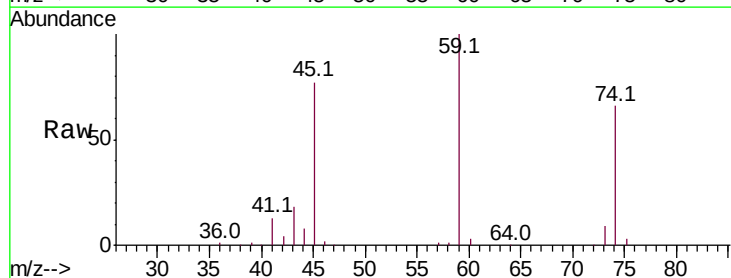
Tot Ion:101 Resp: 74617
Ion Ratio Lower Upper
101 100
103 66.3 52.3 78.5

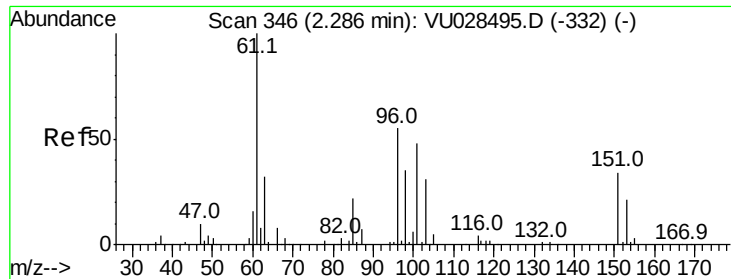


#8

Diethyl Ether
Concen: 47.976 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 74 Resp: 34735
Ion Ratio Lower Upper
74 100
45 118.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.894 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

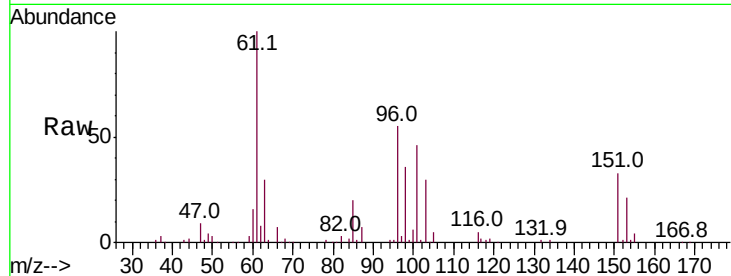
Tot Ion:101 Resp: 43401

Ion Ratio Lower Upper

101 100

85 43.4 36.4 54.6

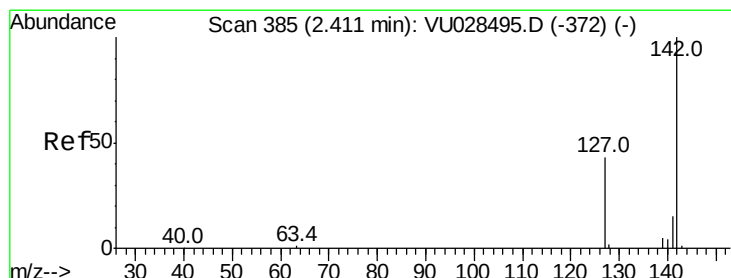
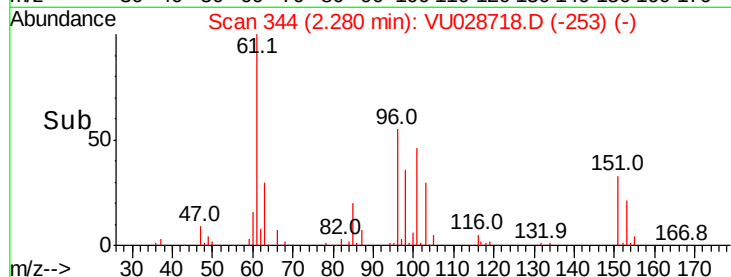
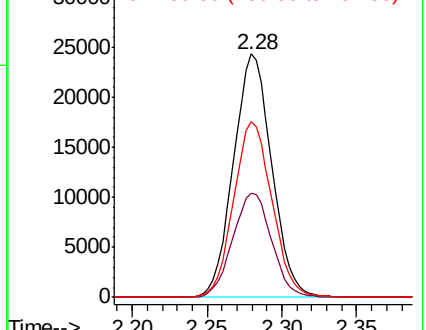
151 72.2 58.2 87.2



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: 64.940 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

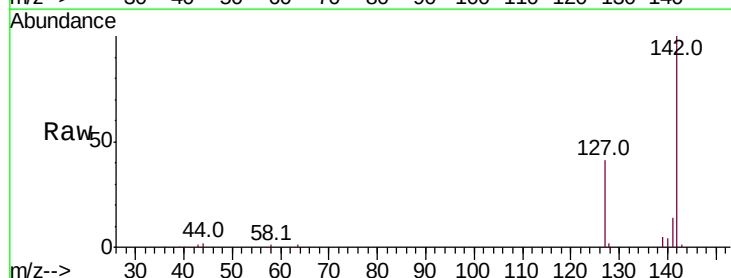
Tgt Ion:142 Resp: 47159

Ion Ratio Lower Upper

142 100

127 41.4 33.5 50.3

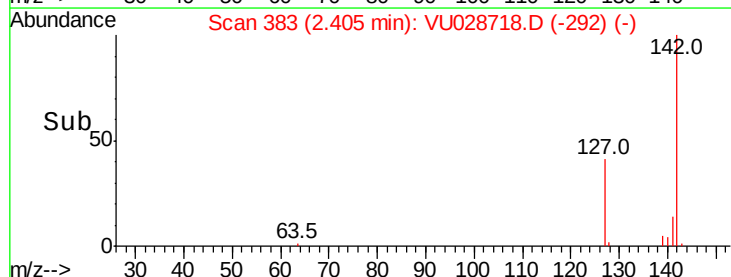
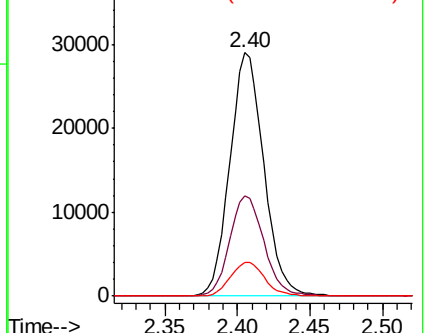
141 13.9 11.2 16.8

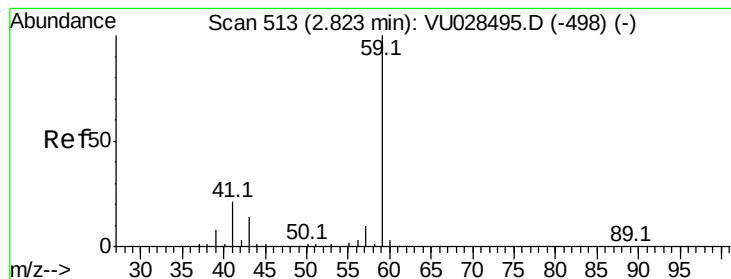


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



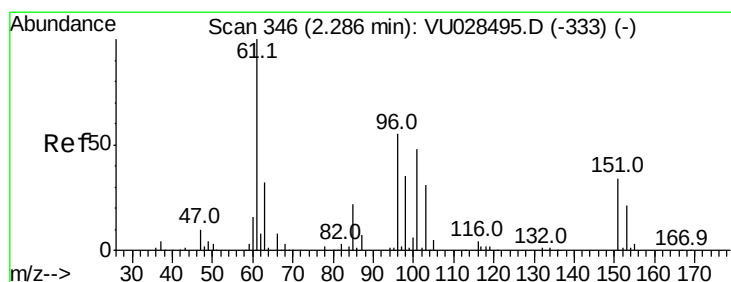
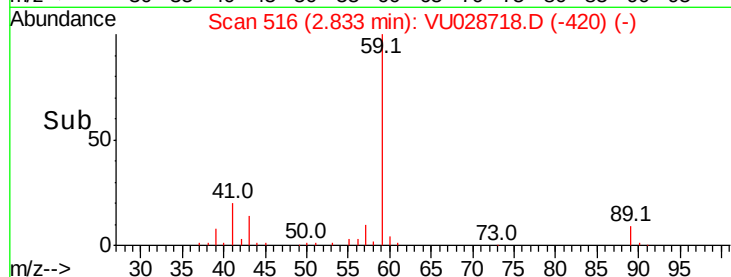
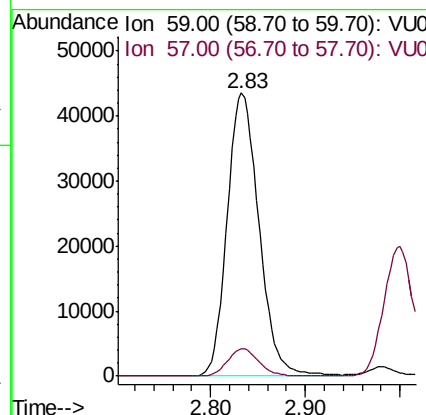
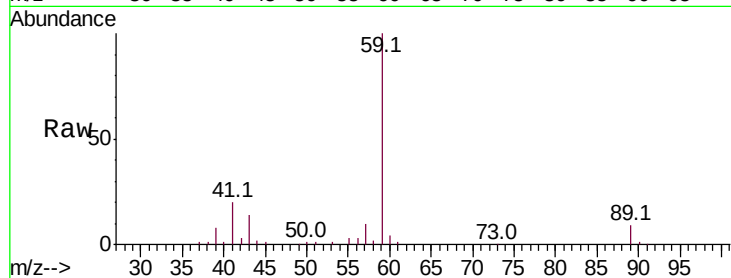


#11

Tert butyl alcohol
 Concen: 362.031 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Instrument :
 MSVOA_U
 ClientSampleId :

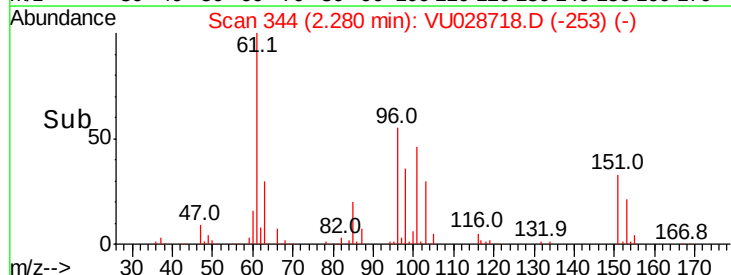
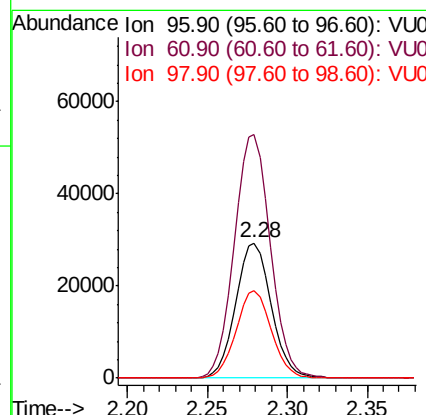
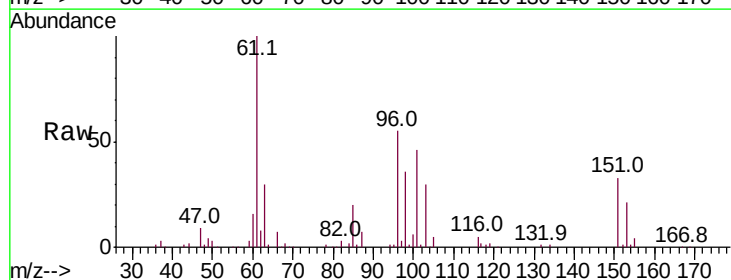
Tot Ion: 59 Resp: 101806
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.0 12.0

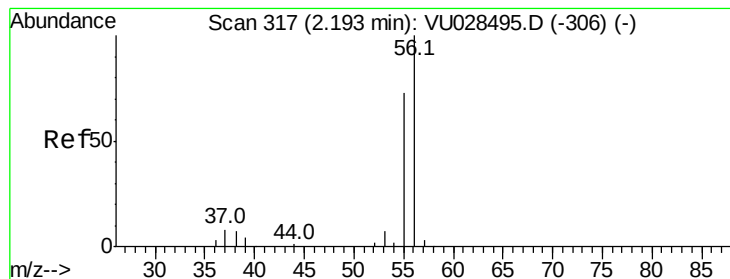


#12

1,1-Dichloroethene
 Concen: 47.959 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion: 96 Resp: 44163
 Ion Ratio Lower Upper
 96 100
 61 180.2 146.4 219.6
 98 64.8 51.8 77.8





#13

Acrolein

Concen: 332.653 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

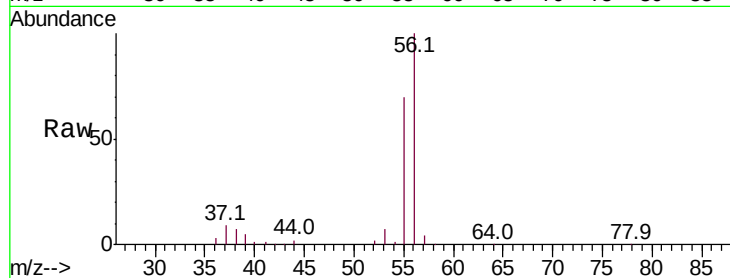
ClientSampled :

Tot Ion: 56 Resp: 74573

Ion Ratio Lower Upper

56 100

55 71.2 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

50000

40000

30000

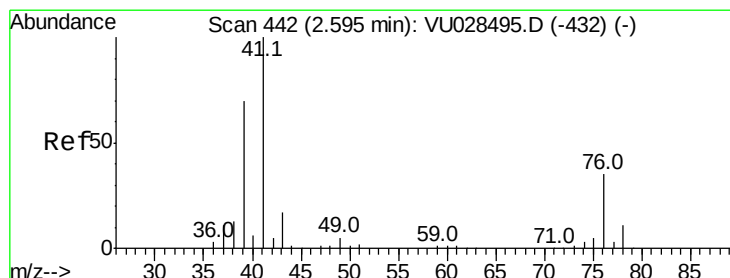
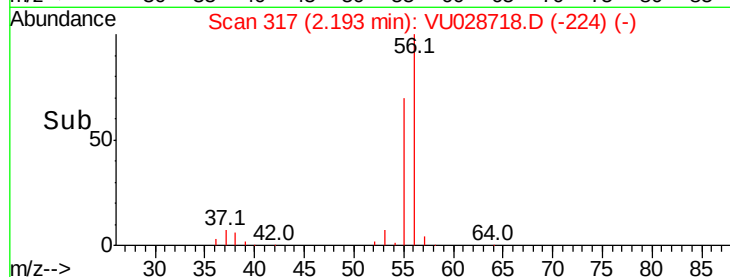
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 47.495 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

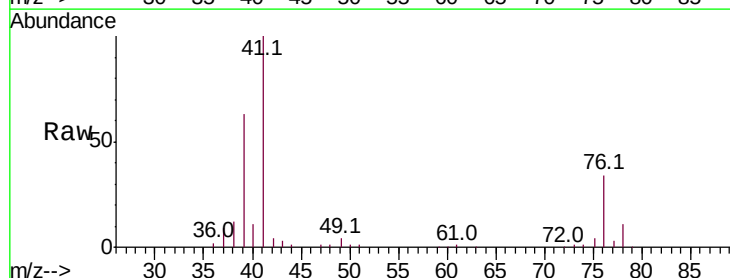
Tgt Ion: 41 Resp: 103465

Ion Ratio Lower Upper

41 100

39 53.7 50.8 76.2

76 27.1 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

120000

100000

80000

60000

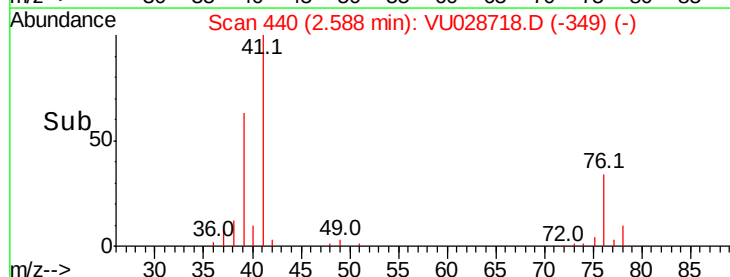
40000

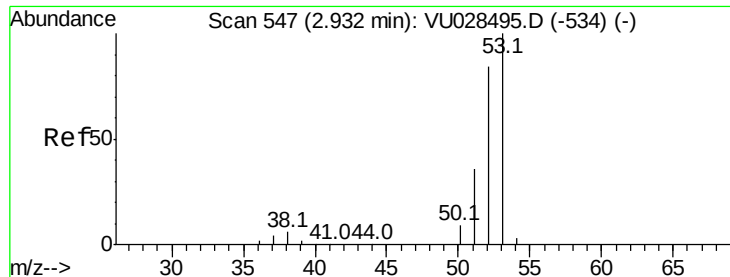
20000

0

Time-->

2.50 2.60 2.70





#15

Acrylonitrile

Concen: 296.382 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampled :

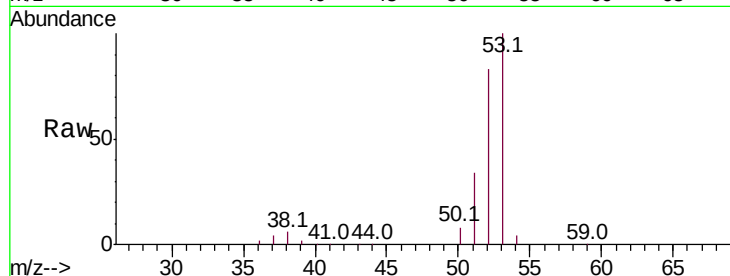
Tot Ion: 53 Resp: 231392

Ion Ratio Lower Upper

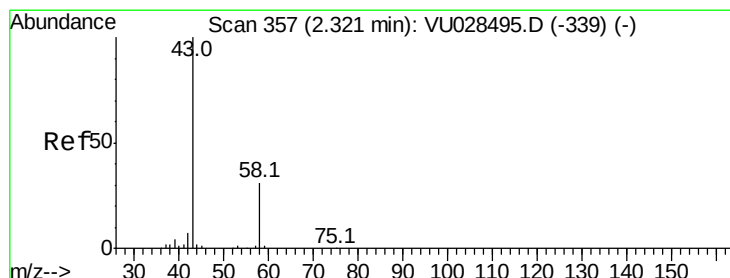
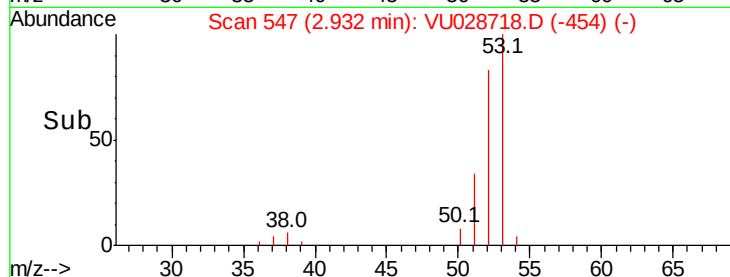
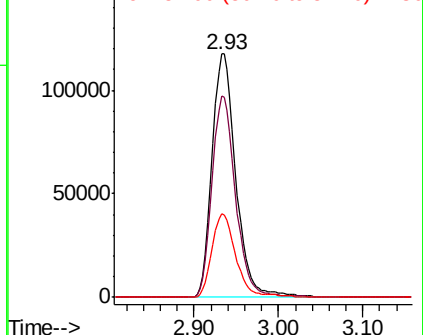
53 100

52 82.0 66.1 99.1

51 34.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 245.575 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028718.D

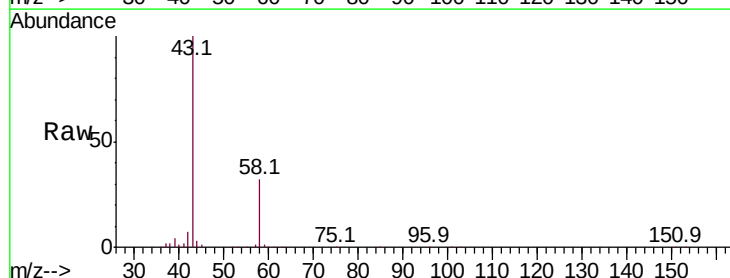
Acq: 17 Dec 2018 14:18

Tgt Ion: 43 Resp: 202263

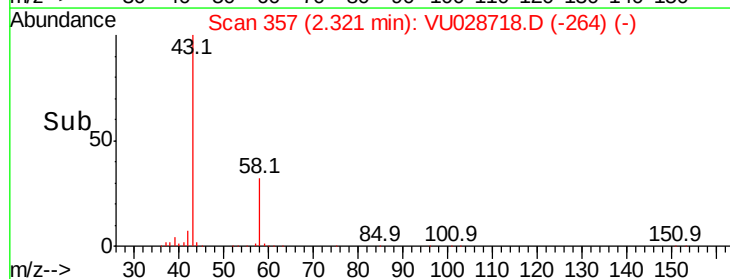
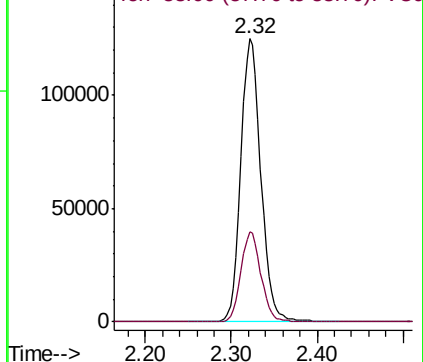
Ion Ratio Lower Upper

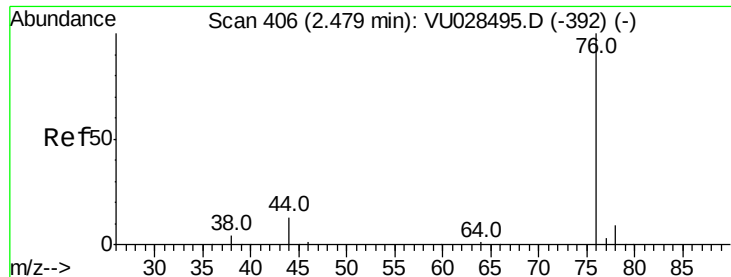
43 100

58 31.8 24.6 37.0



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

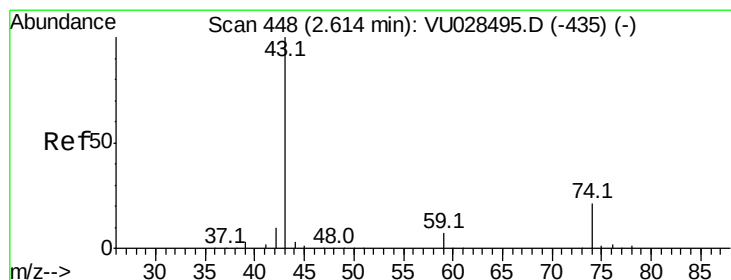
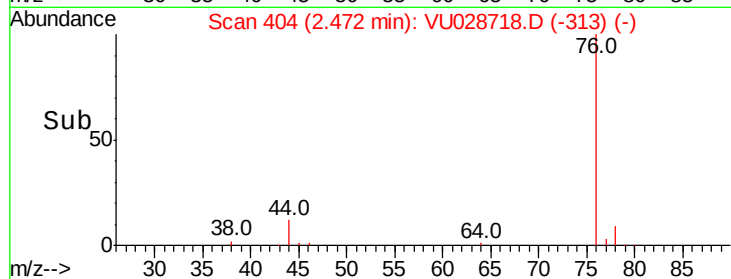
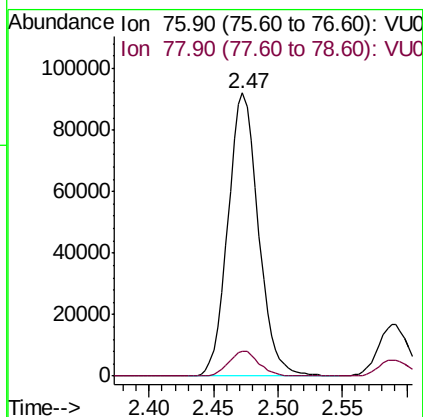
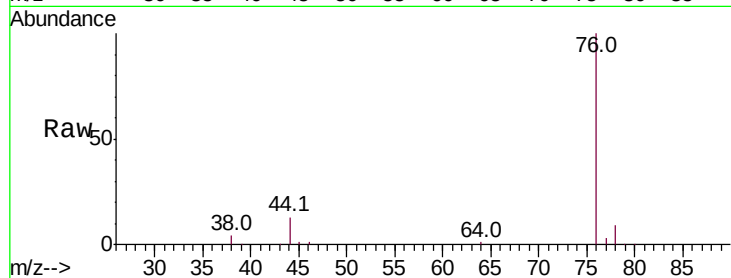




#17
Carbon Disulfide
Concen: 45.556 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

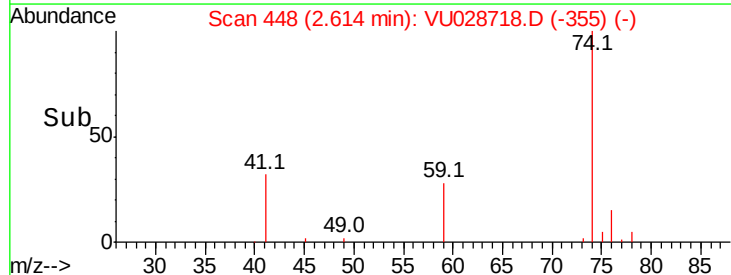
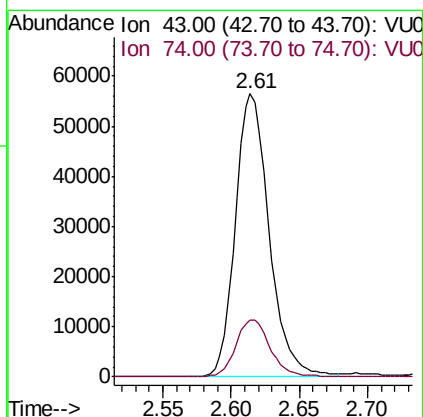
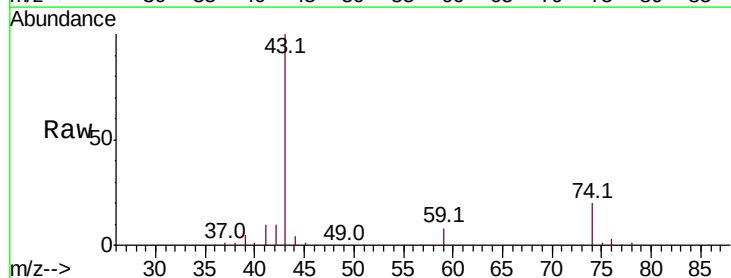
Instrument :
MSVOA_U
ClientSampled :

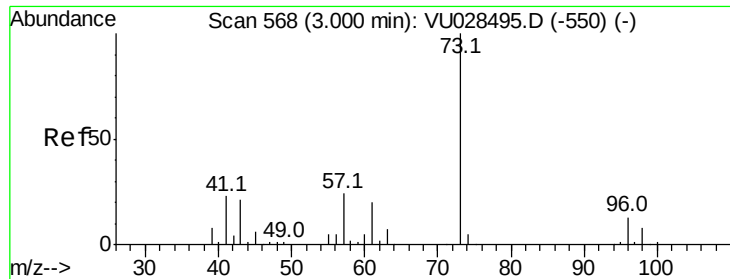
Tot Ion: 76 Resp: 151127
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 45.645 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 43 Resp: 97454
Ion Ratio Lower Upper
43 100
74 20.6 16.4 24.6

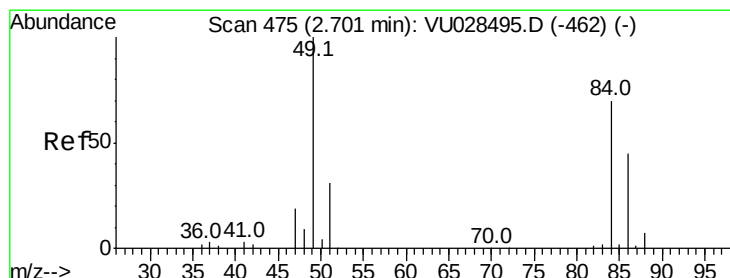
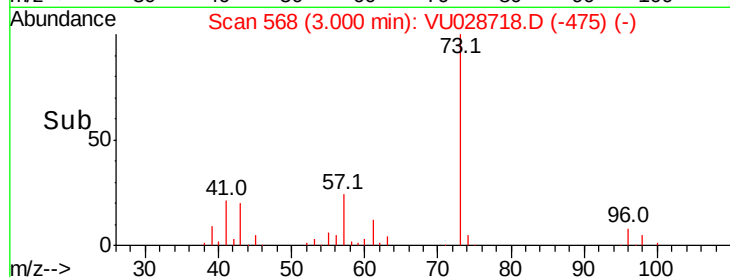
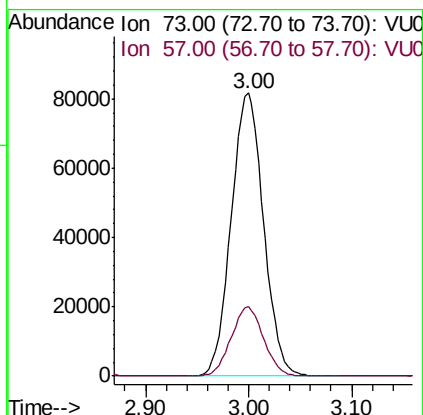
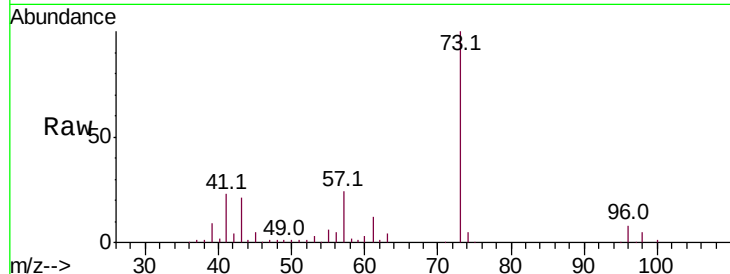




#19
Methyl tert-butyl Ether
Concen: 51.063 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

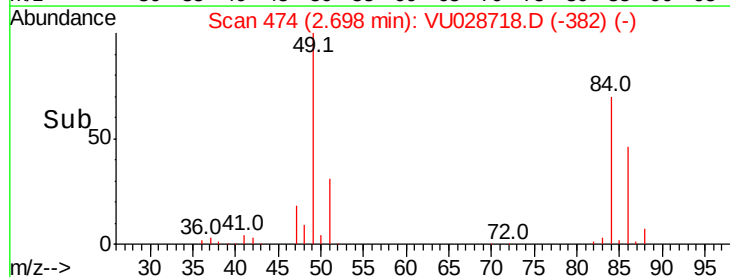
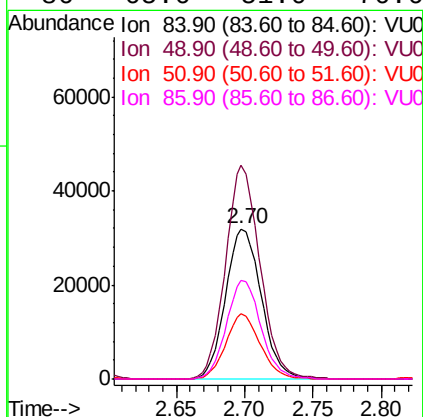
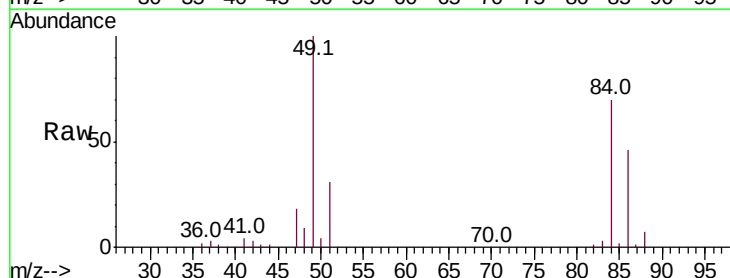
Instrument :
MSVOA_U
ClientSampleId :

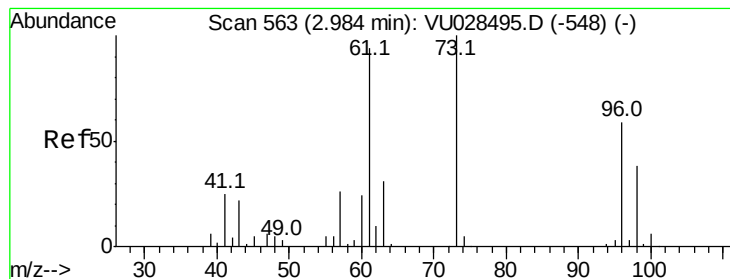
Tot Ion: 73 Resp: 178255
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2



#20
Methylene Chloride
Concen: 47.846 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 84 Resp: 58092
Ion Ratio Lower Upper
84 100
49 142.0 114.0 171.0
51 43.3 35.1 52.7
86 65.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.572 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampled :

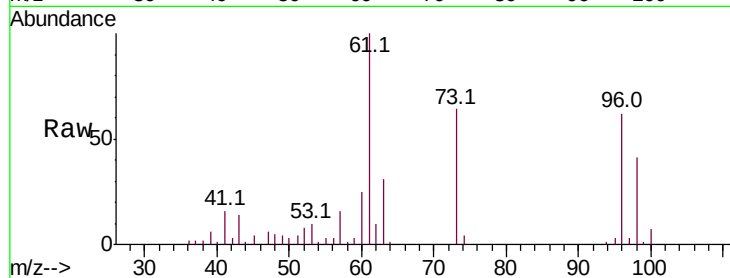
Tot Ion: 96 Resp: 49323

Ion Ratio Lower Upper

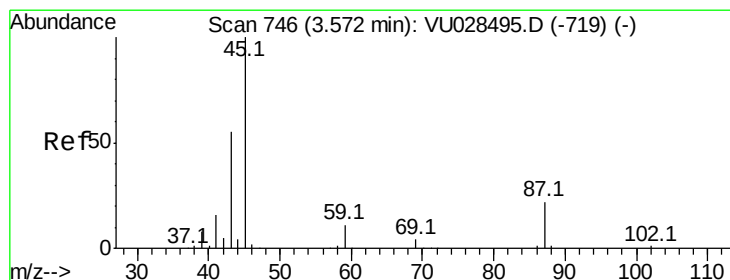
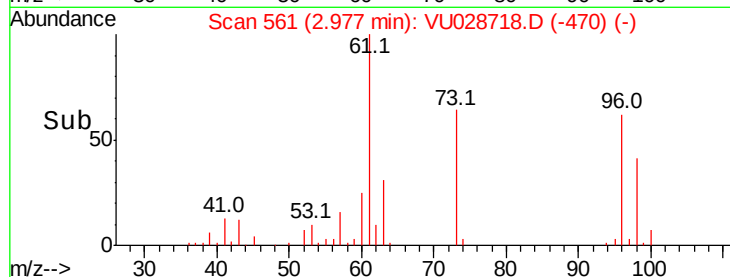
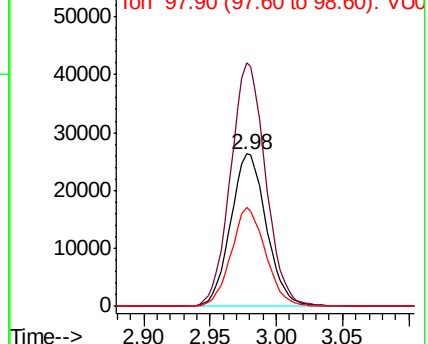
96 100

61 160.0 127.0 190.4

98 65.1 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: 51.139 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion: 45 Resp: 216642

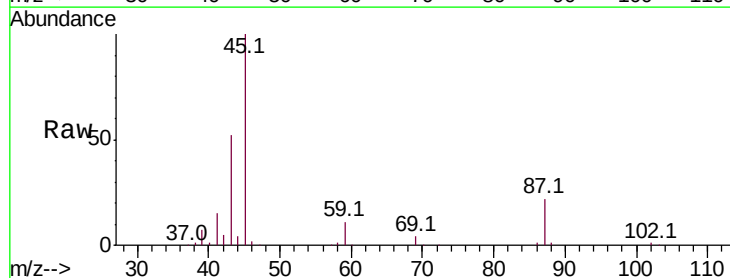
Ion Ratio Lower Upper

45 100

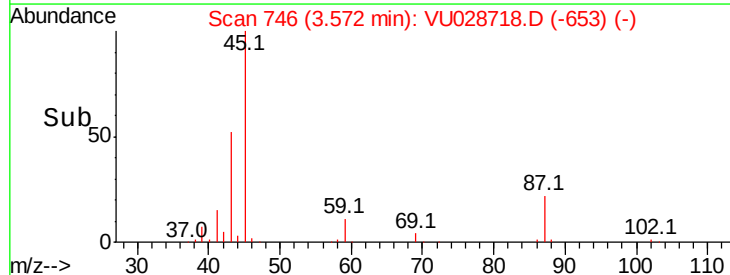
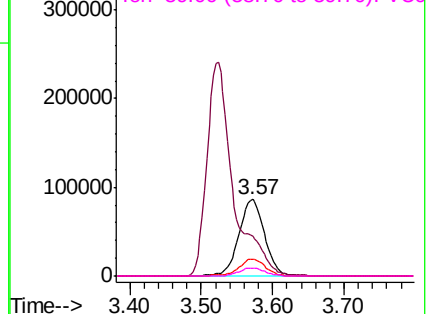
43 51.7 45.3 67.9

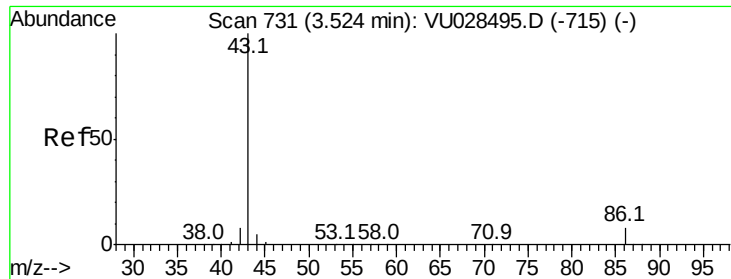
87 22.4 17.6 26.4

59 10.8 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 176.409 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

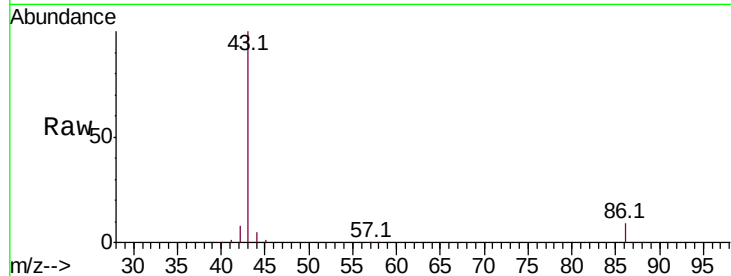
ClientSampleId :

Tot Ion: 43 Resp: 616429

Ion Ratio Lower Upper

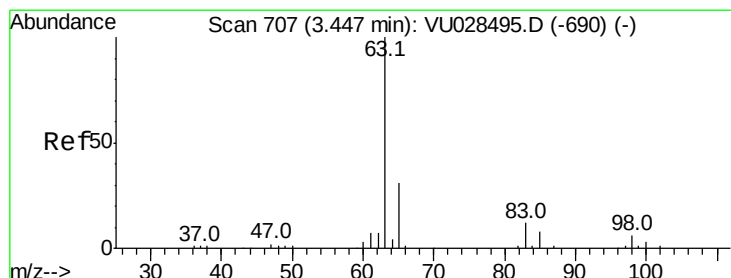
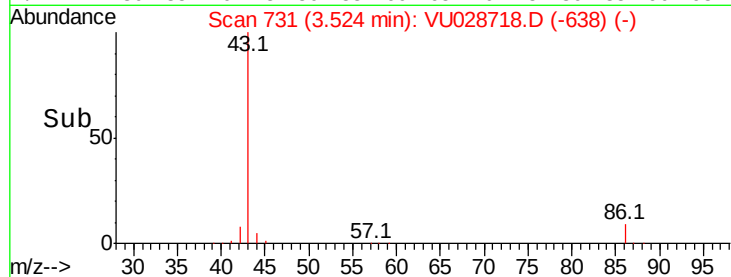
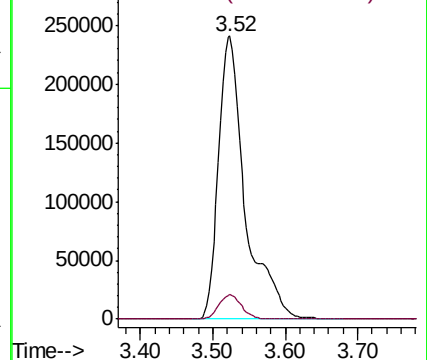
43 100

86 8.6 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 48.925 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

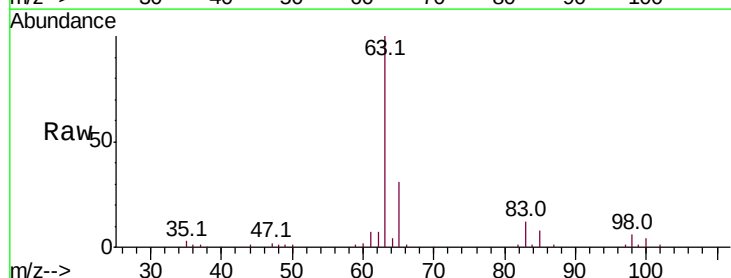
Tgt Ion: 63 Resp: 108493

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

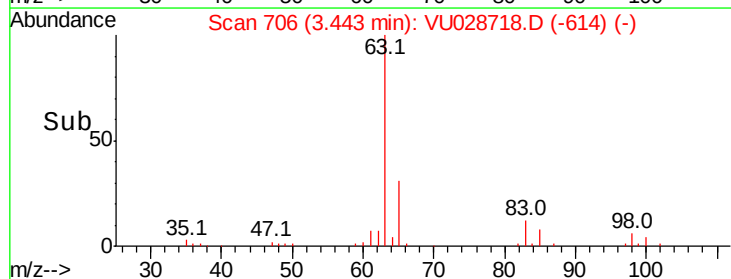
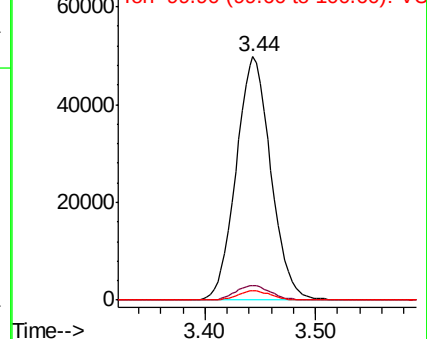
100 4.0 1.7 5.1

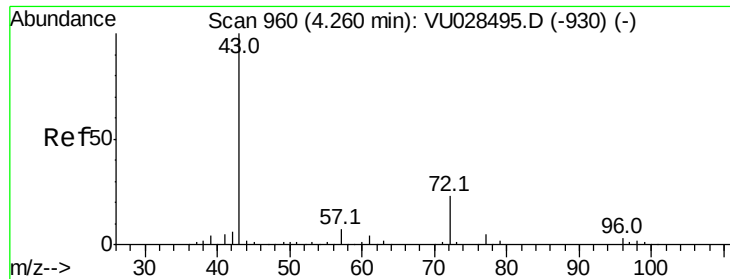


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 291.568 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

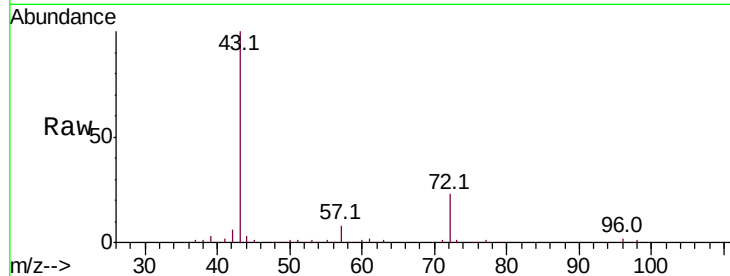
ClientSampled :

Tot Ion: 43 Resp: 328180

Ion Ratio Lower Upper

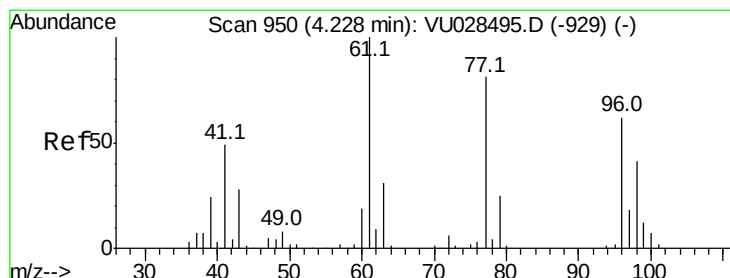
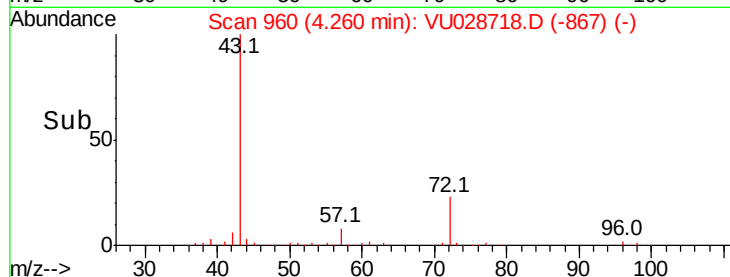
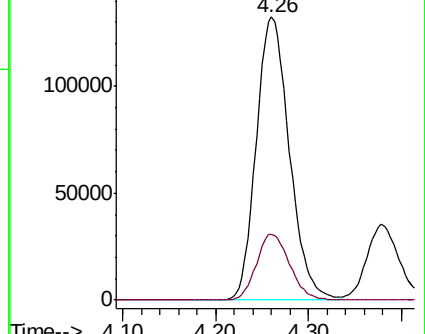
43 100

72 23.5 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: 16.797 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028718.D

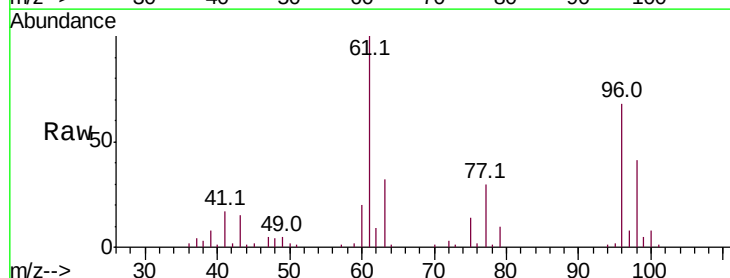
Acq: 17 Dec 2018 14:18

Tgt Ion: 77 Resp: 29513

Ion Ratio Lower Upper

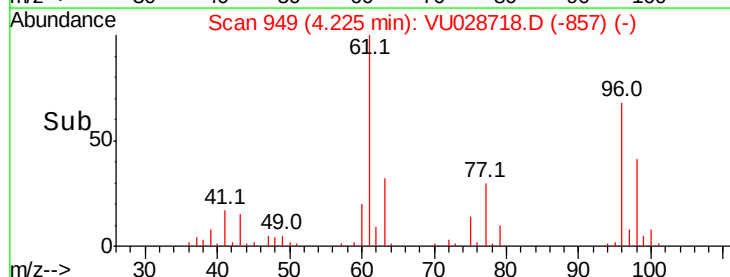
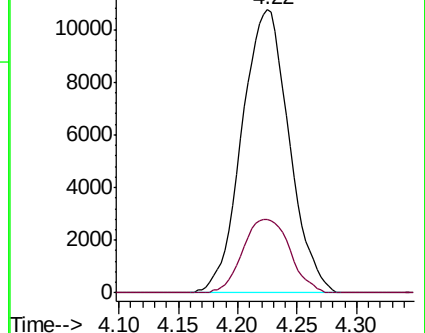
77 100

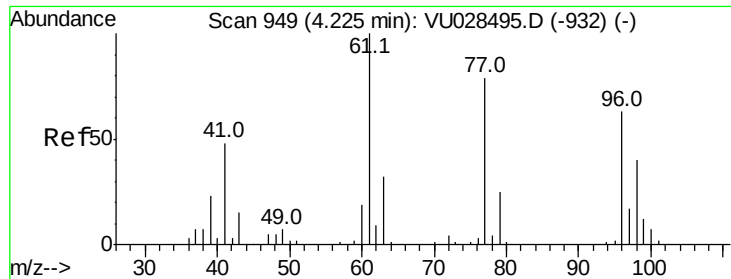
97 25.9 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



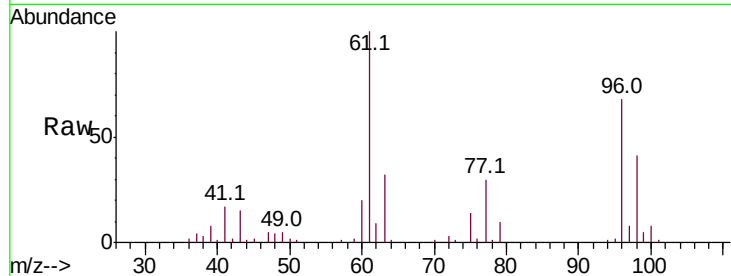


#27

cis-1,2-Dichloroethene
Concen: 49.908 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	96	Resp	58568
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	332.4
98	62.1	0.0	129.0

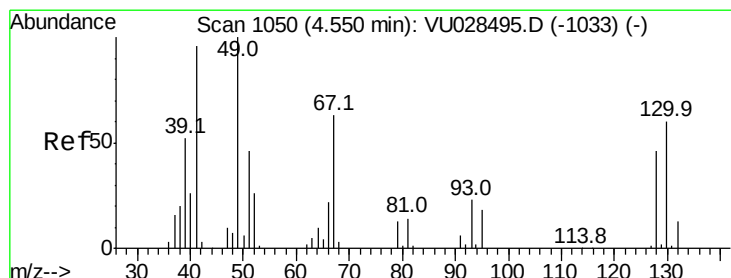
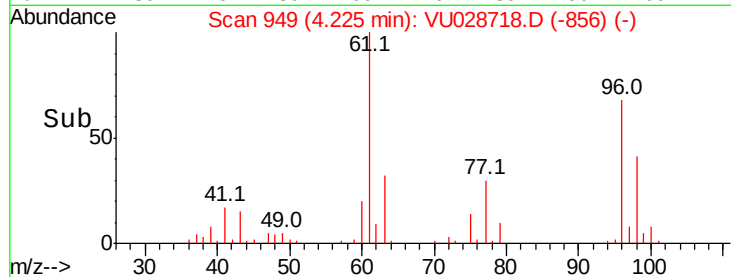
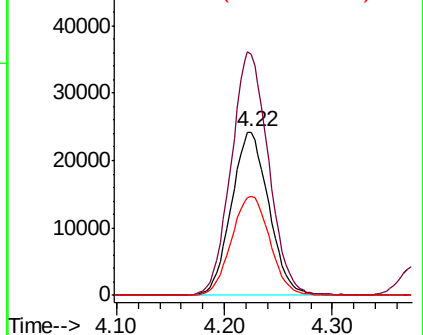


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

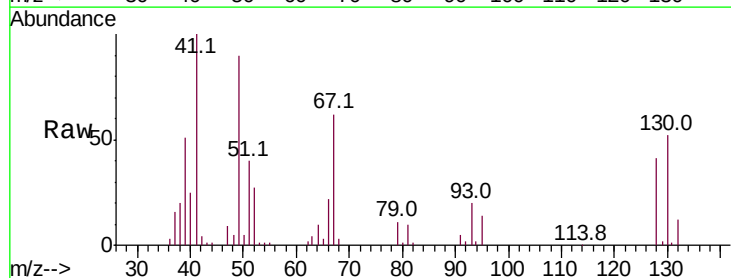
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 53.925 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	49	Resp	54362
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	58.8	47.8	71.8

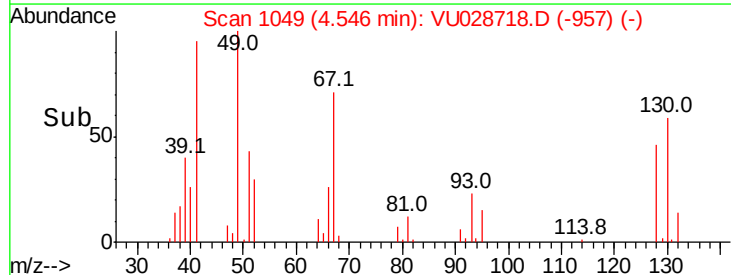
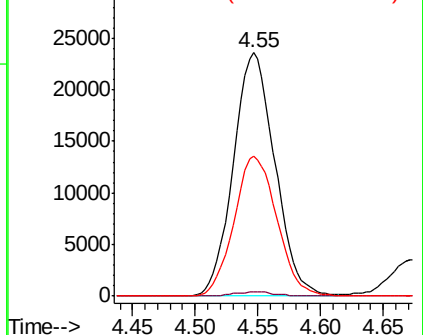


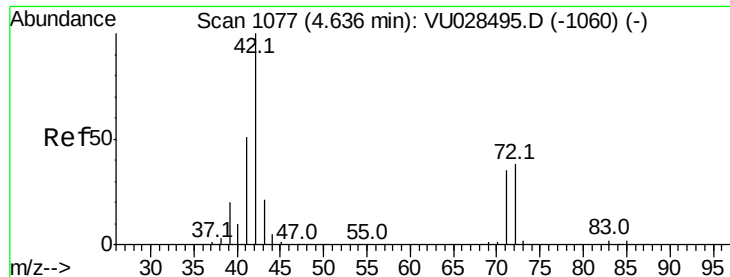
Abundance

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: 310.795 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

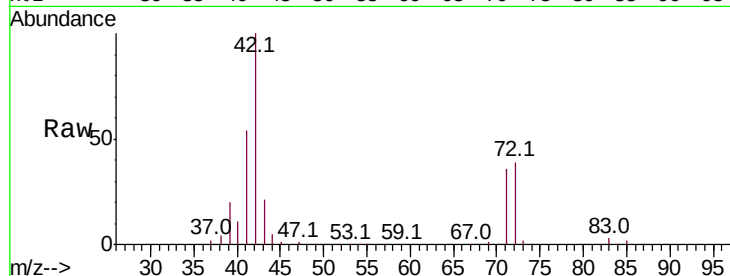
Tot Ion: 42 Resp: 224669

Ion Ratio Lower Upper

42 100

72 38.5 31.4 47.0

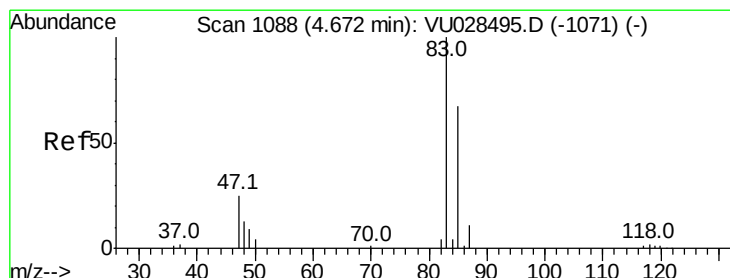
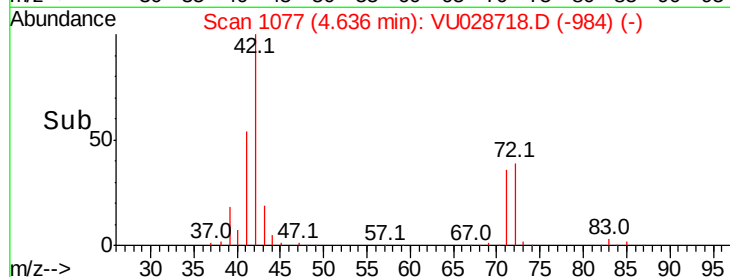
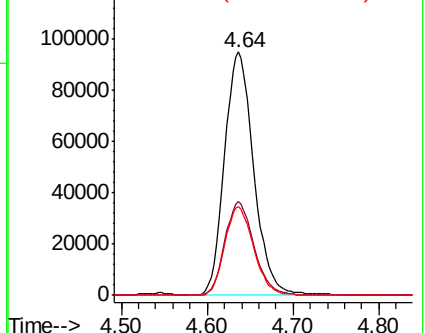
71 36.0 28.6 43.0



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: 50.978 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028718.D

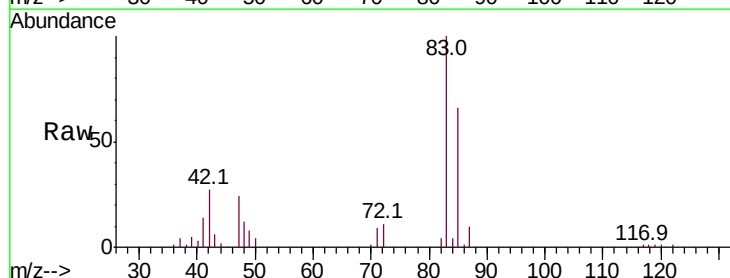
Acq: 17 Dec 2018 14:18

Tgt Ion: 83 Resp: 98526

Ion Ratio Lower Upper

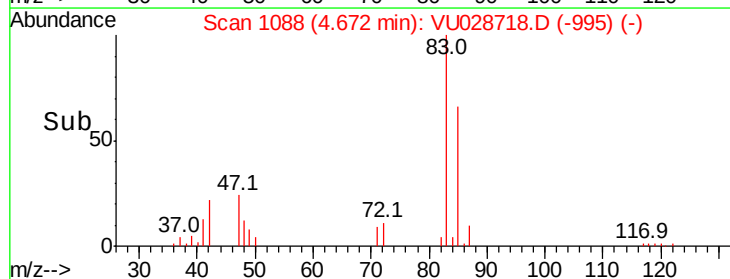
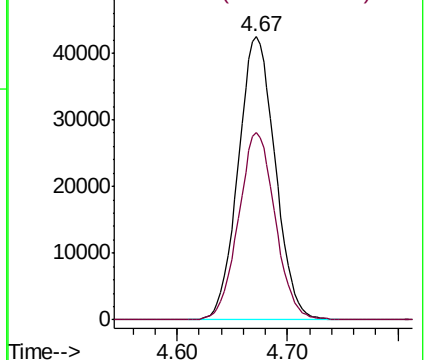
83 100

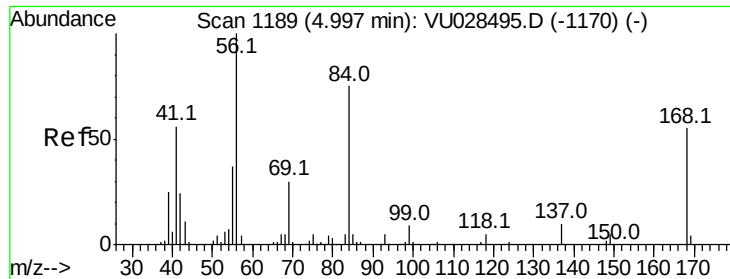
85 66.2 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

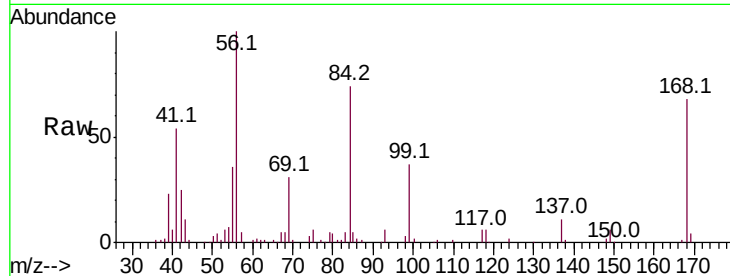




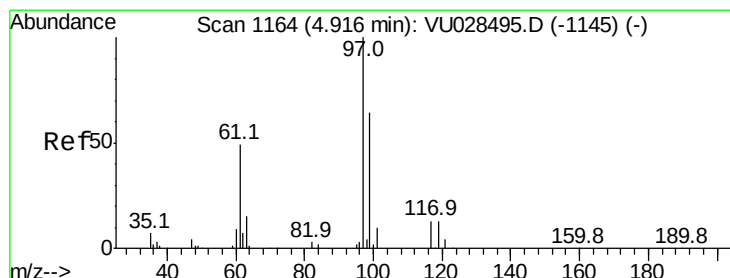
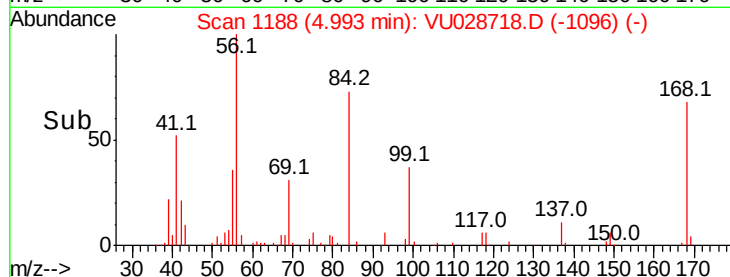
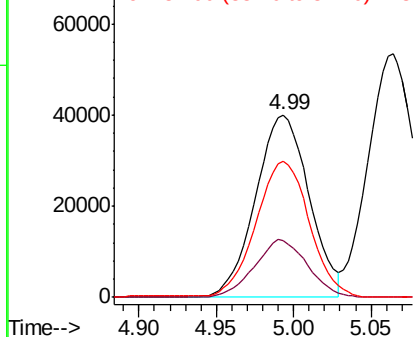
#31
Cyclohexane
Concen: 44.465 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 96509
Ion Ratio Lower Upper
56 100
69 31.1 24.0 36.0
84 73.6 59.7 89.5

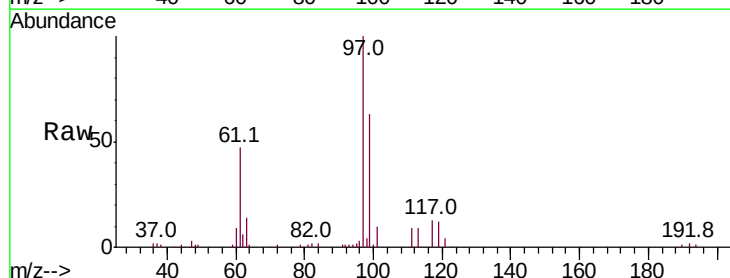


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

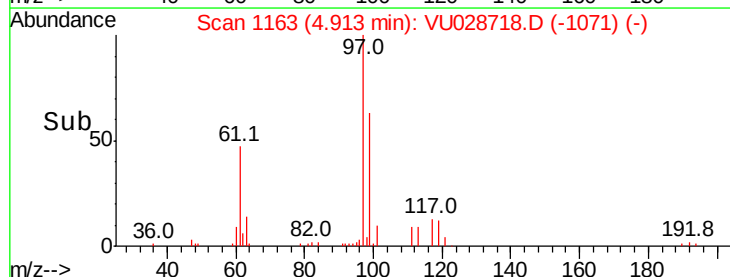
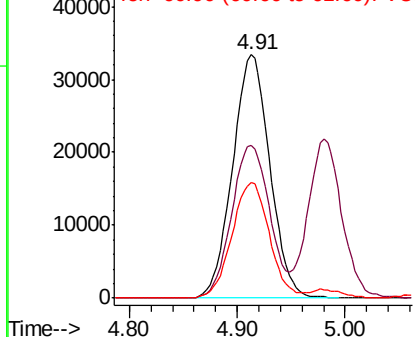


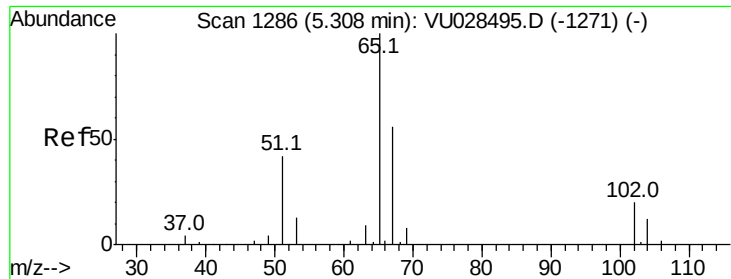
#32
1,1,1-Trichloroethane
Concen: 50.007 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 97 Resp: 80271
Ion Ratio Lower Upper
97 100
99 64.4 52.3 78.5
61 47.8 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

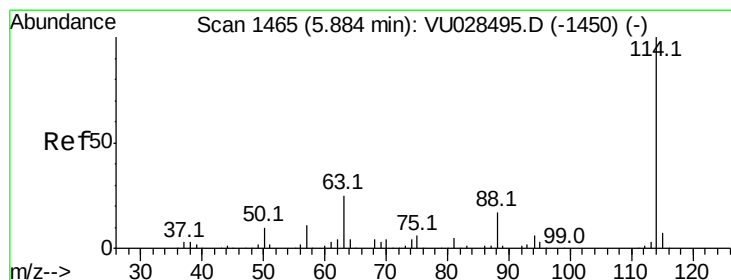
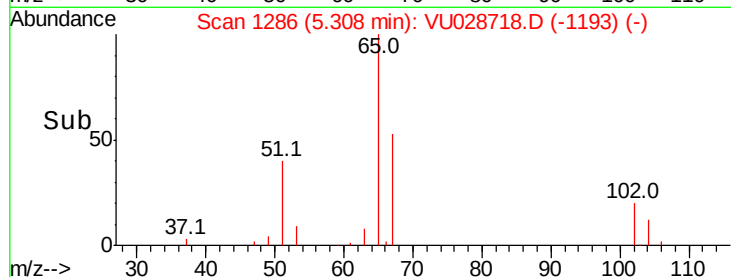
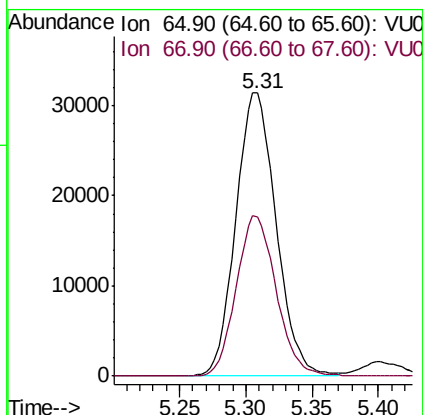
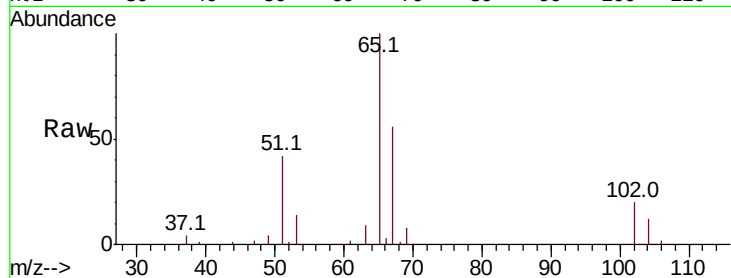




#33
 1,2-Dichloroethane-d4
 Concen: 52.649 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

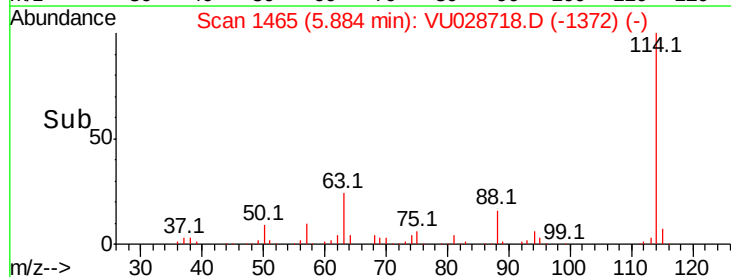
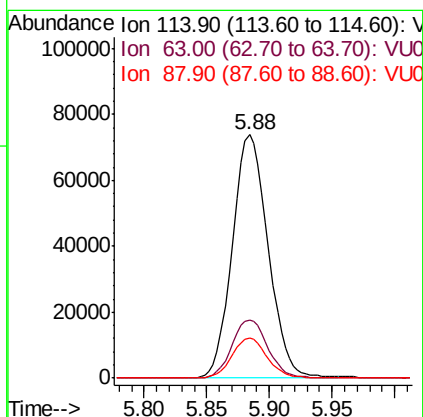
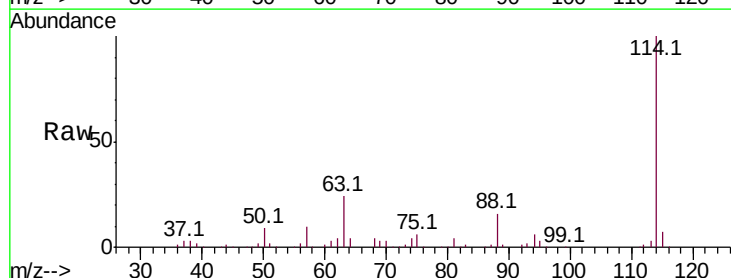
Instrument :
 MSVOA_U
 ClientSampleId :

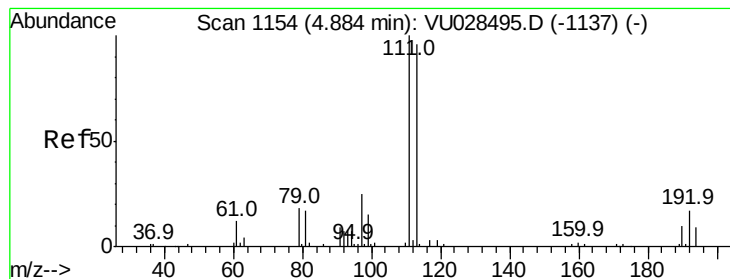
Tot Ion: 65 Resp: 66452
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion:114 Resp: 146550
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.692 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

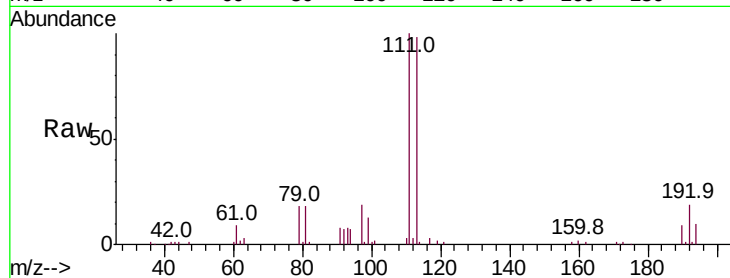
Tot Ion:113 Resp: 50440

Ion Ratio Lower Upper

113 100

111 104.9 83.4 125.0

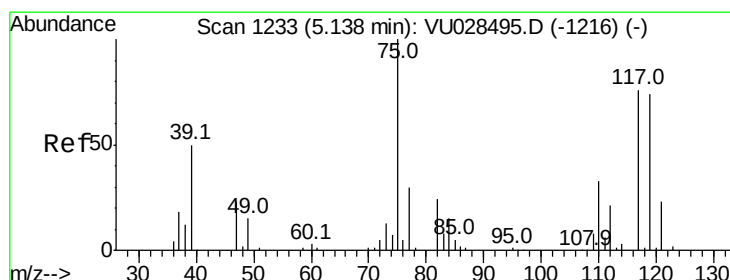
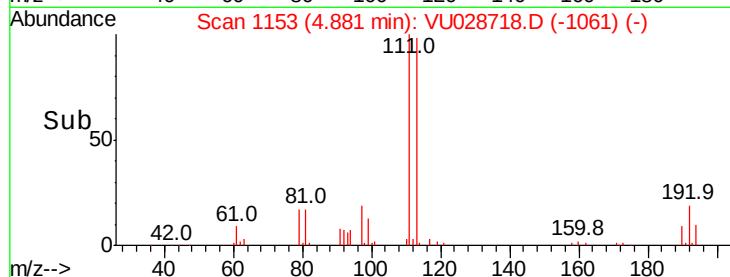
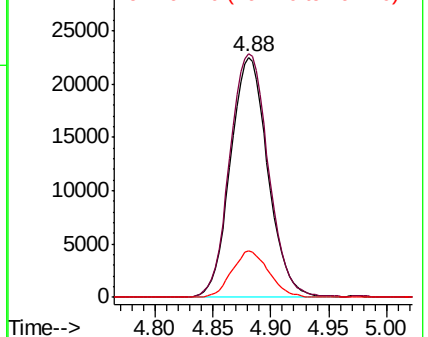
192 18.9 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.173 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

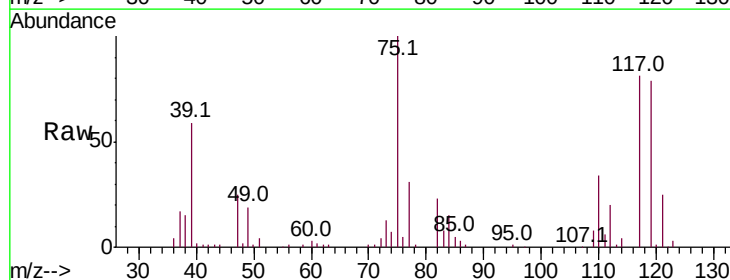
Tgt Ion: 75 Resp: 75650

Ion Ratio Lower Upper

75 100

110 33.0 16.1 48.2

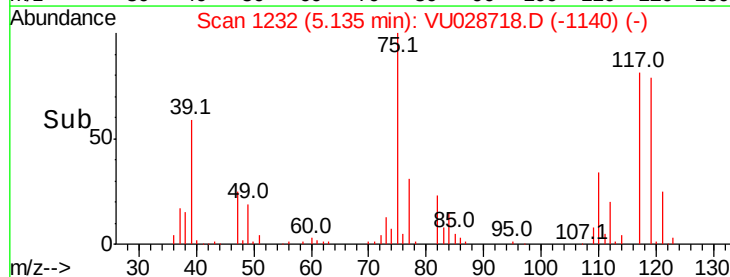
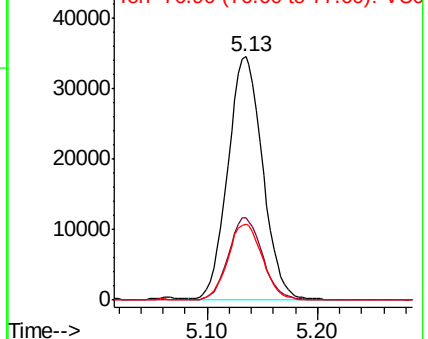
77 30.9 24.5 36.7

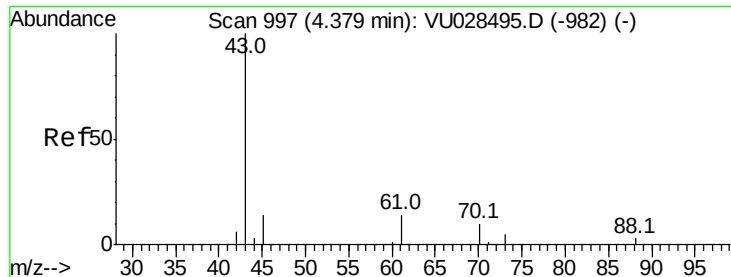


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

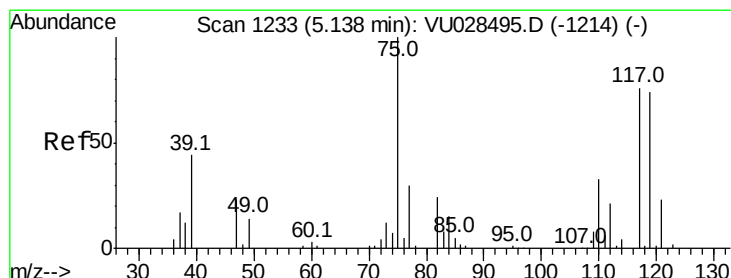
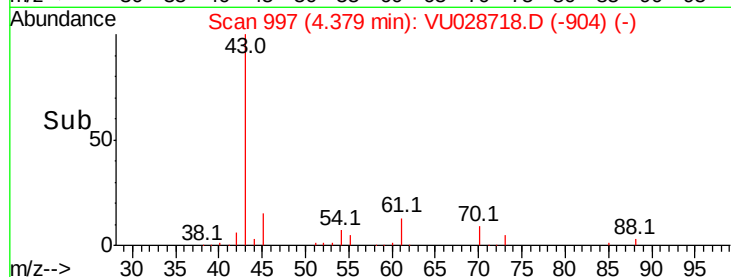
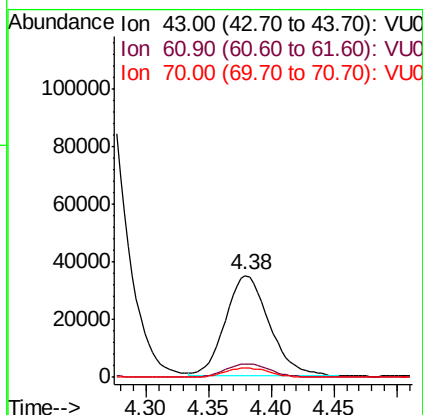
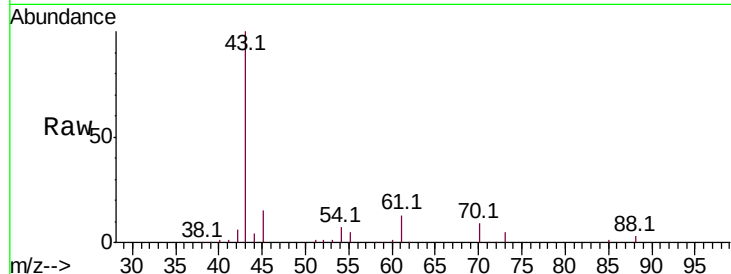




#37
Ethyl Acetate
Concen: 40.727 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

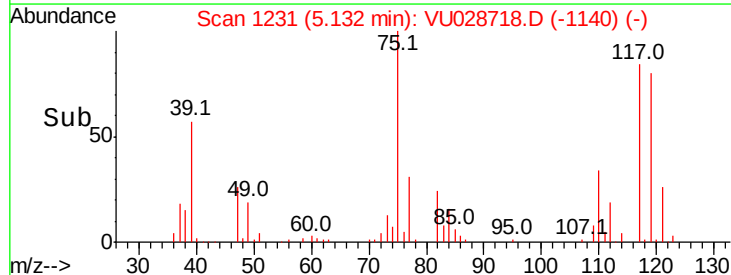
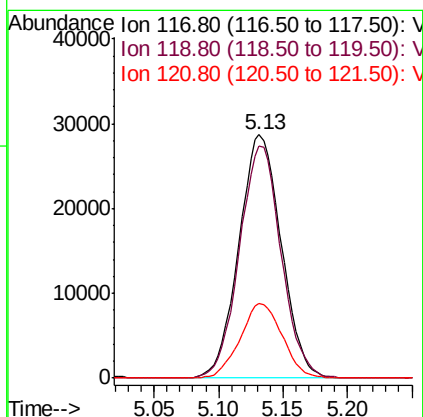
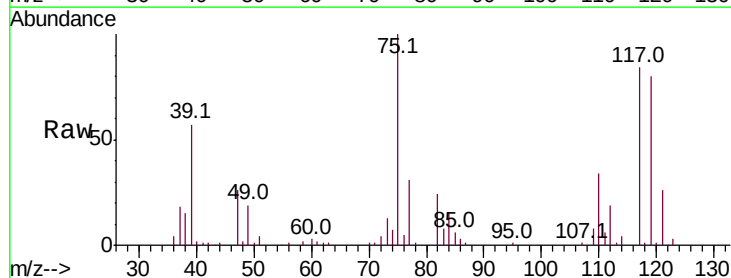
Instrument :
MSVOA_U
ClientSampleId :

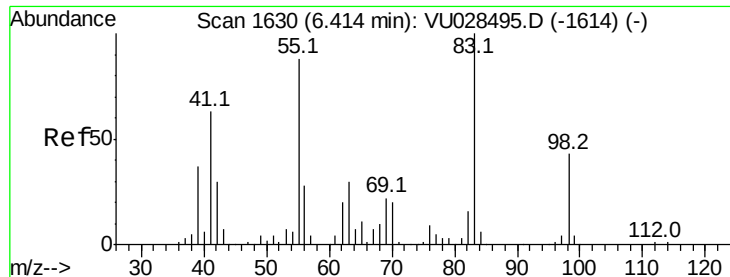
Tot Ion: 43 Resp: 84431
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.4
70 9.3 7.4 11.0



#38
Carbon Tetrachloride
Concen: 50.784 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 117 Resp: 65642
Ion Ratio Lower Upper
117 100
119 95.1 77.6 116.4
121 30.4 24.6 36.8

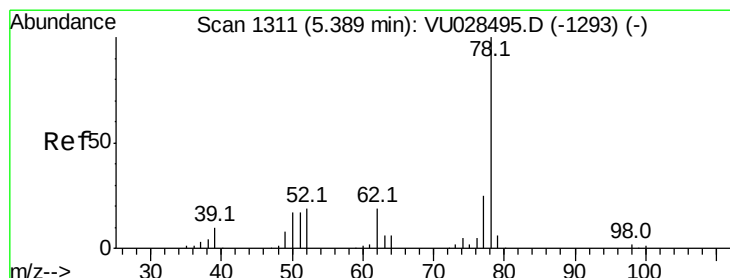
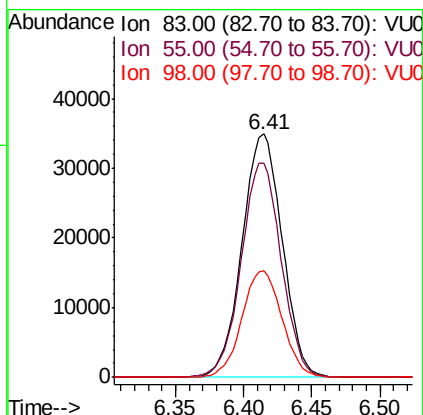
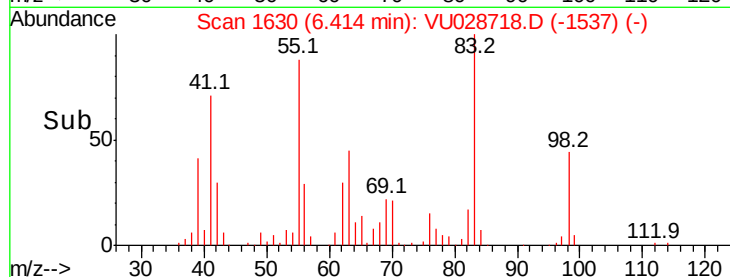
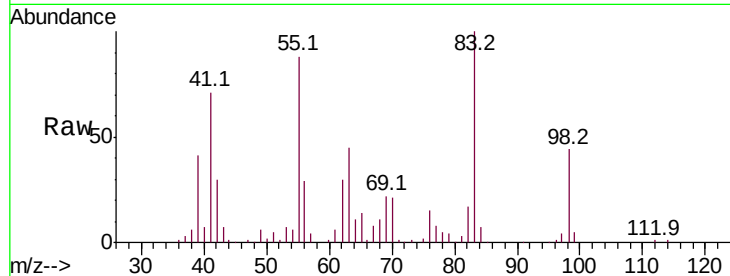




#39
Methylvlcyclohexane
Concen: 36.584 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

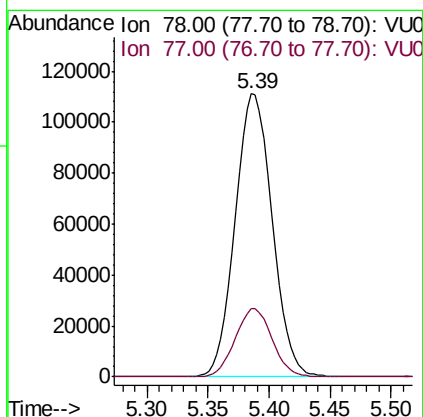
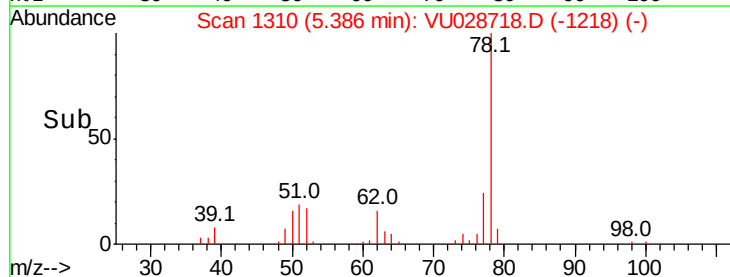
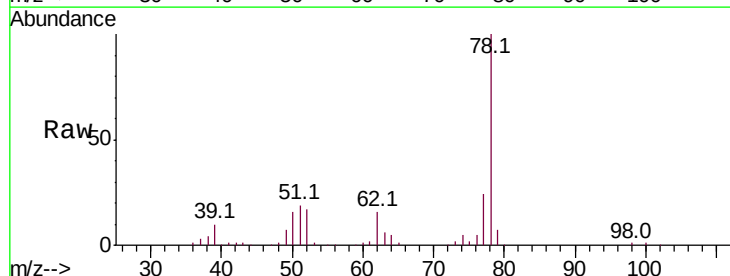
Instrument :
MSVOA_U
ClientSampleId :

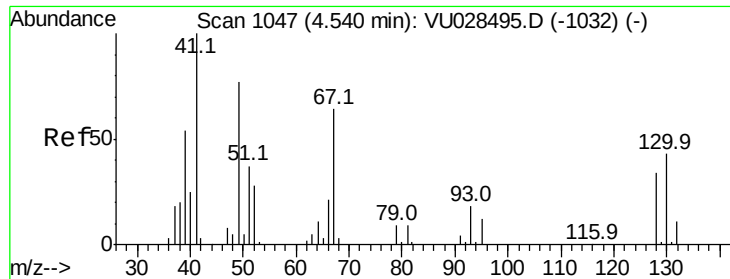
Tot Ion: 83 Resp: 71576
Ion Ratio Lower Upper
83 100
55 87.8 70.2 105.2
98 43.7 34.2 51.4



#40
Benzene
Concen: 49.522 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 78 Resp: 233900
Ion Ratio Lower Upper
78 100
77 24.0 19.9 29.9

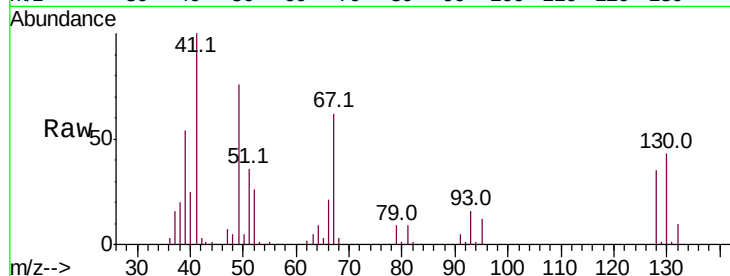




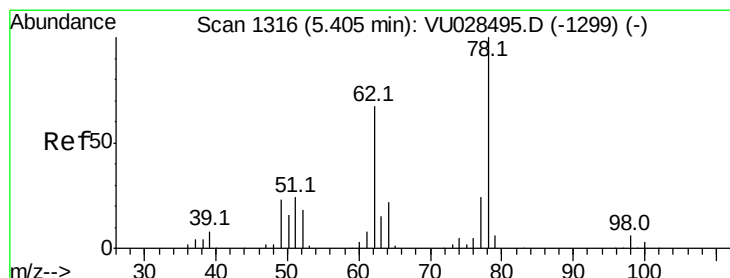
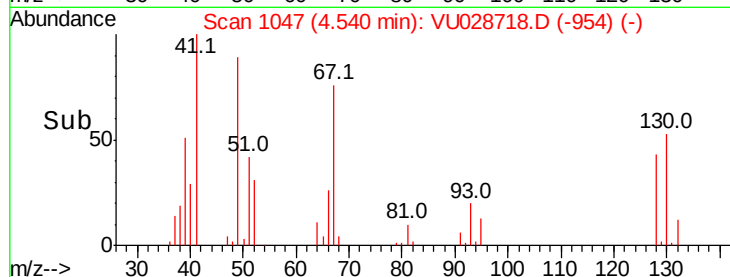
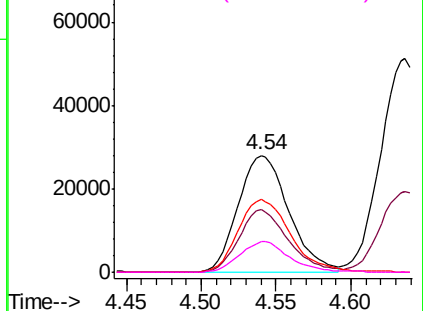
#41
Methacrylonitrile
Concen: 58.121 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	65985
Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	64.7	53.6	80.4
52	26.0	22.1	33.1

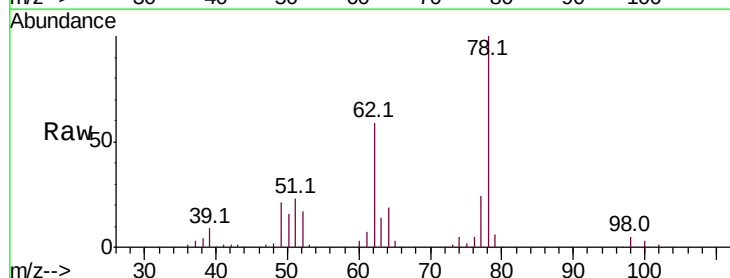


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

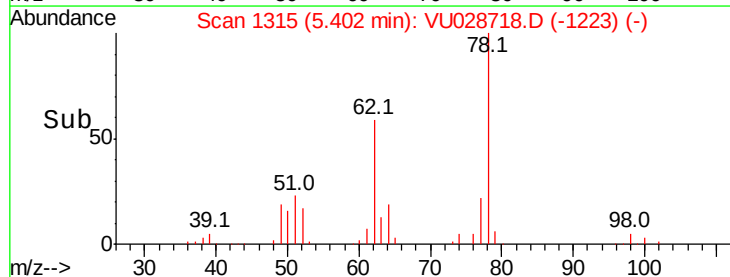
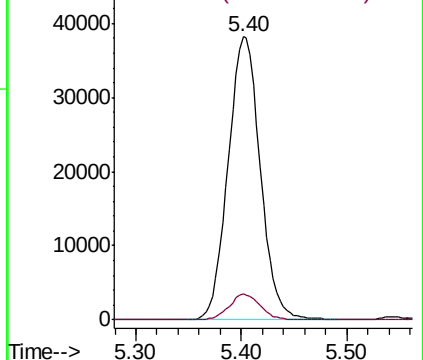


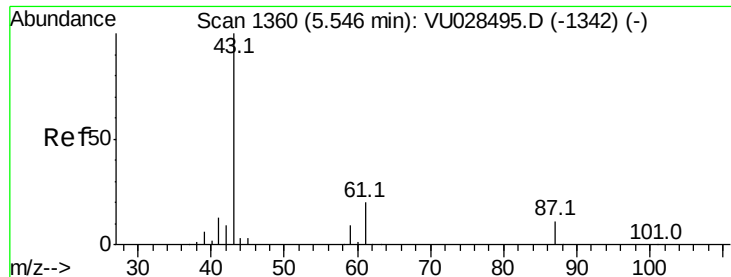
#42
1,2-Dichloroethane
Concen: 48.808 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion:	62	Resp:	80693
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 45.763 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

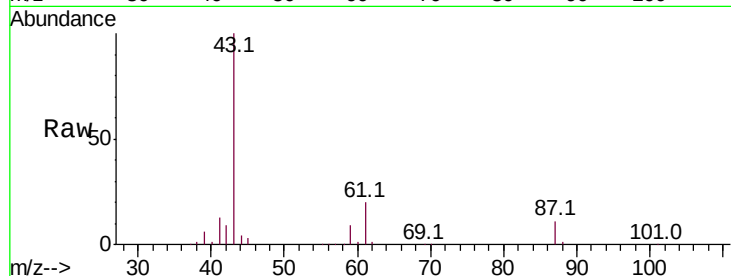
Tot Ion: 43 Resp: 150057

Ion Ratio Lower Upper

43 100

61 19.9 15.5 23.3

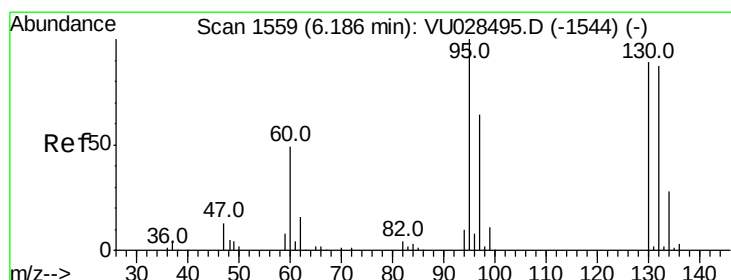
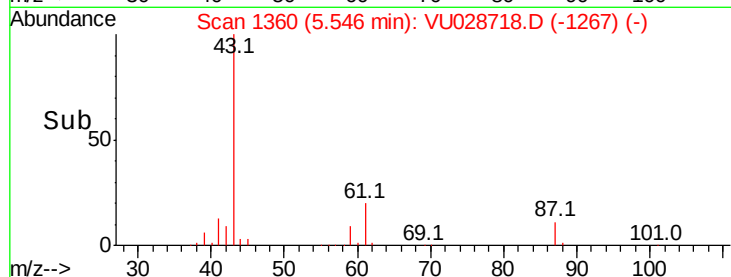
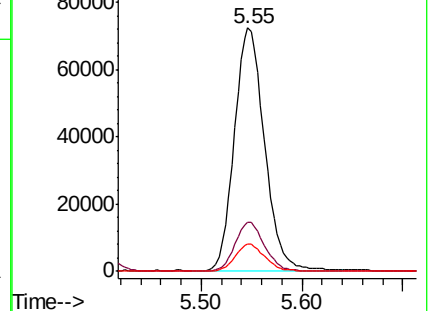
87 11.1 8.7 13.1



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

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

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



#44

Trichloroethene

Concen: 48.479 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028718.D

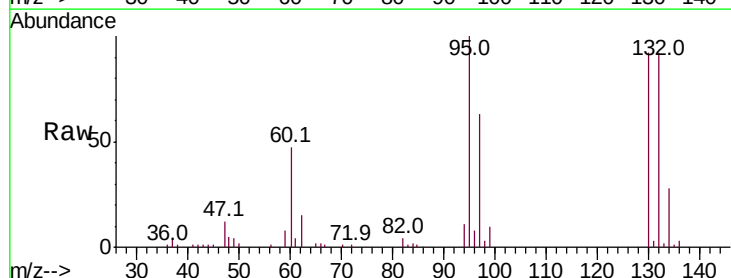
Acq: 17 Dec 2018 14:18

Tgt Ion:130 Resp: 50912

Ion Ratio Lower Upper

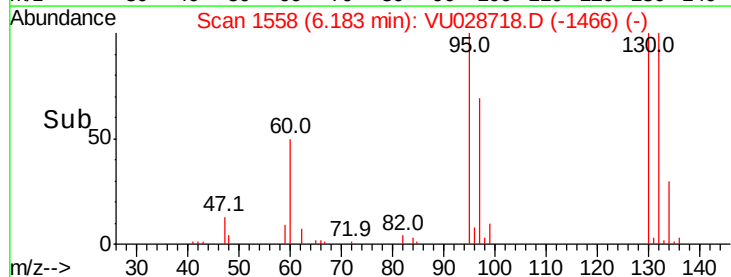
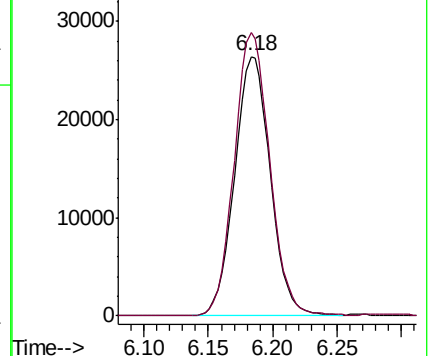
130 100

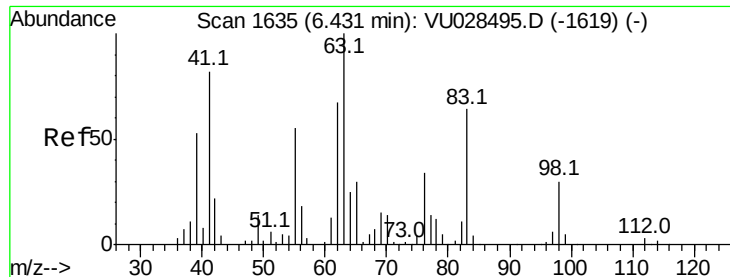
95 109.1 0.0 224.0



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

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





#45

1,2-Dichloropropane

Concen: 51.901 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

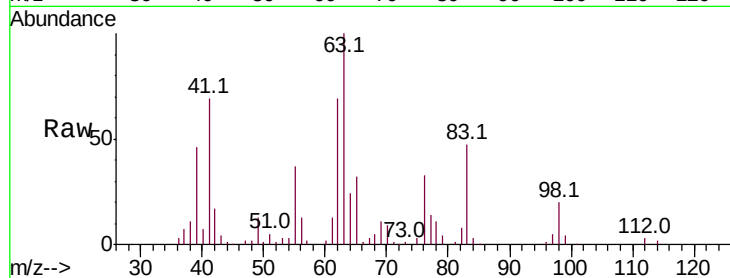
ClientSampled :

Tot Ion: 63 Resp: 68935

Ion Ratio Lower Upper

63 100

65 31.7 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU028718.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU028718.D (-1542) (-)

6.43

40000

30000

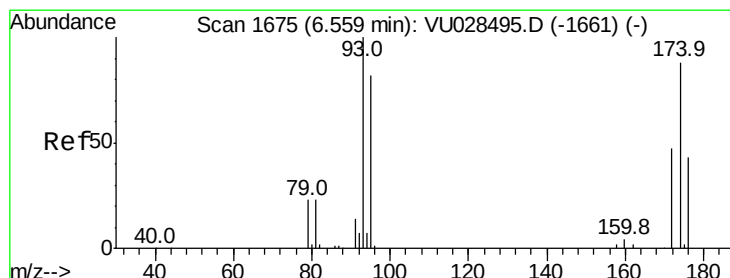
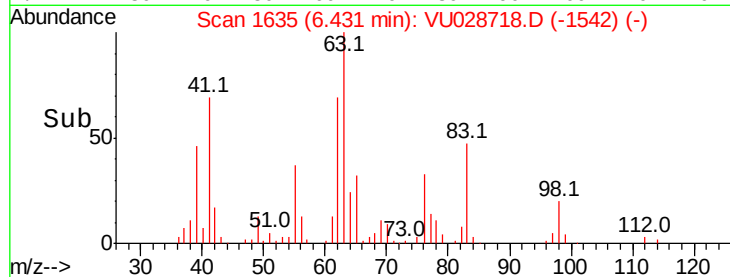
20000

10000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#46

Dibromomethane

Concen: 51.171 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

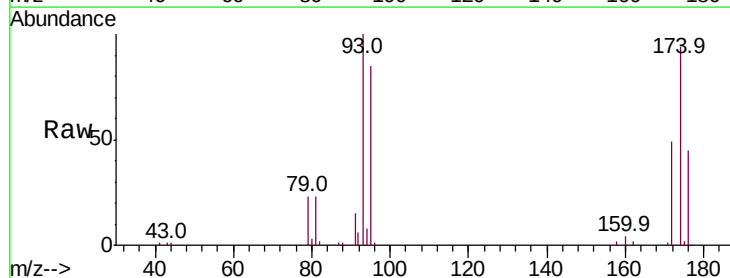
Tgt Ion: 93 Resp: 40326

Ion Ratio Lower Upper

93 100

95 84.5 65.4 98.2

174 92.6 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU028718.D (-1582) (-)

Ion 94.80 (94.50 to 95.50): VU028718.D (-1582) (-)

Ion 173.70 (173.40 to 174.40): VU028718.D (-1582) (-)

6.56

25000

20000

15000

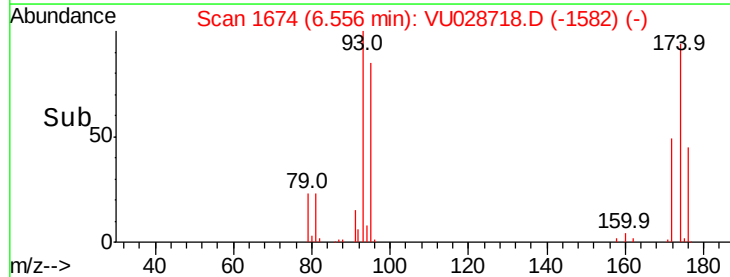
10000

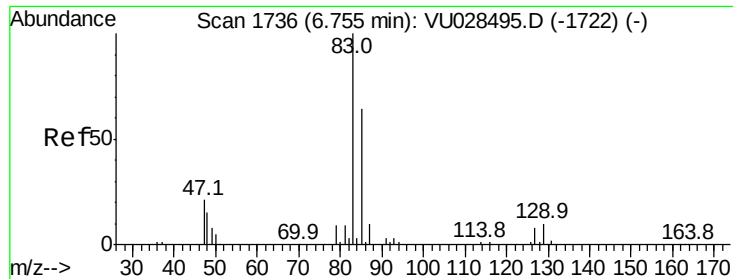
5000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 51.425 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampled :

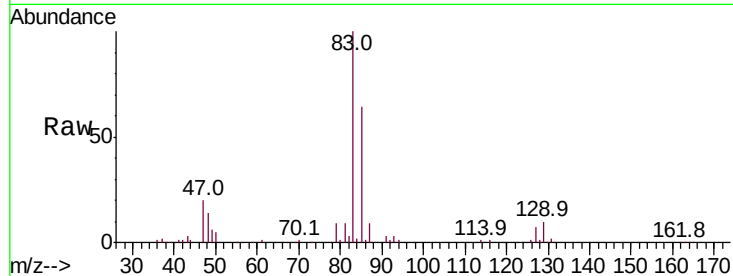
Tot Ion: 83 Resp: 78861

Ion Ratio Lower Upper

83 100

85 63.7 51.5 77.3

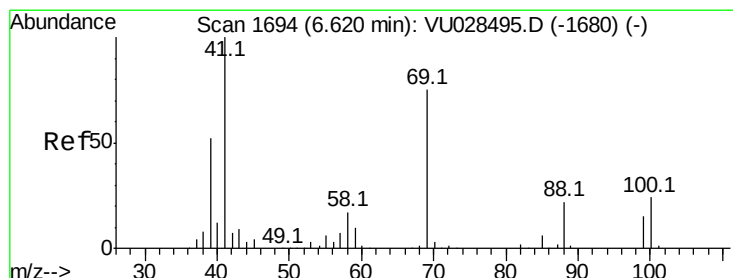
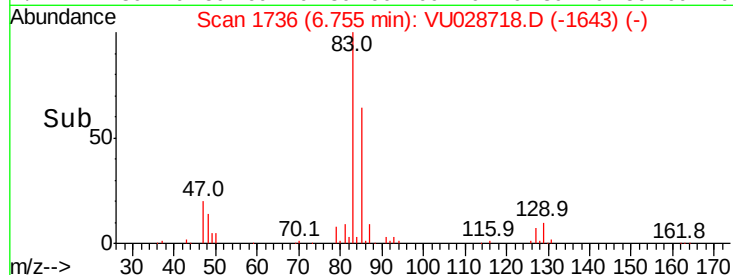
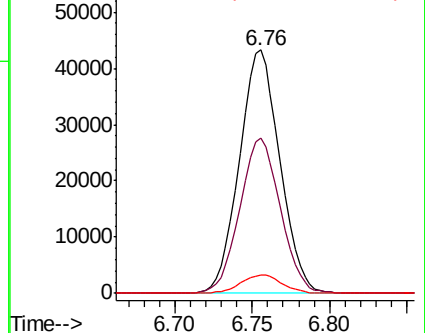
127 7.4 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1722) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-1722) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-1722) (-)



#48

Methyl methacrylate

Concen: 55.068 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

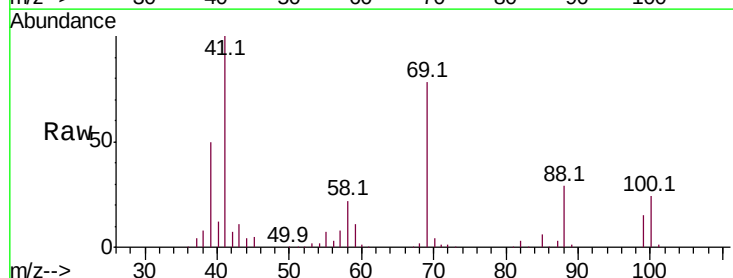
Tgt Ion: 41 Resp: 89797

Ion Ratio Lower Upper

41 100

69 77.2 60.4 90.6

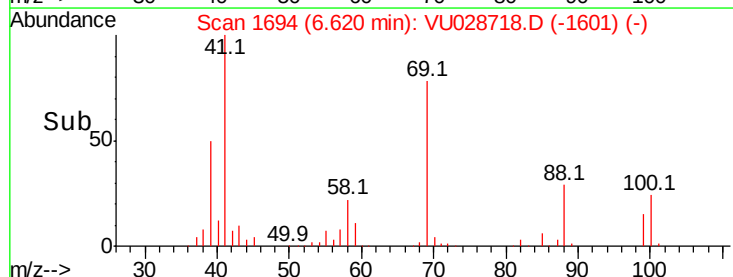
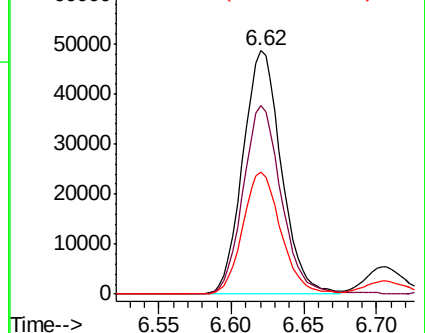
39 49.7 41.1 61.7

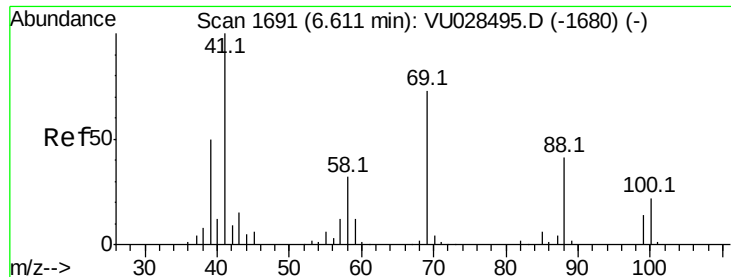


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)

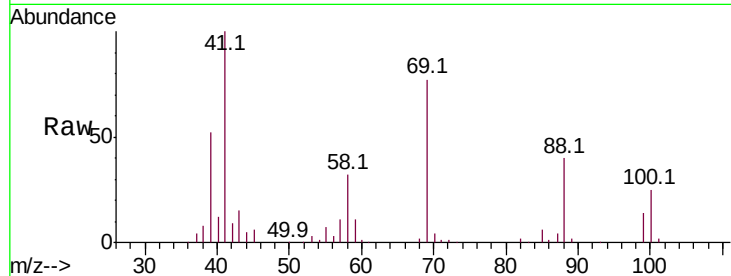




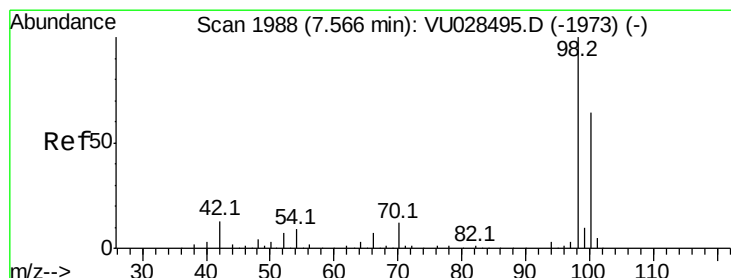
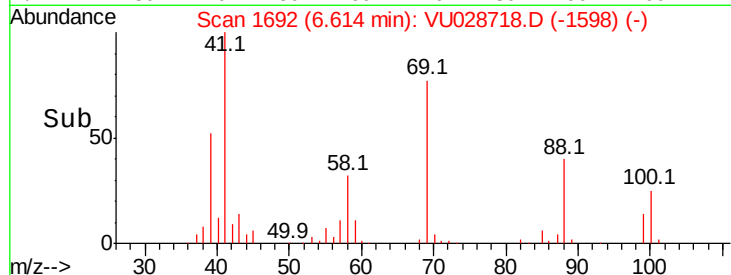
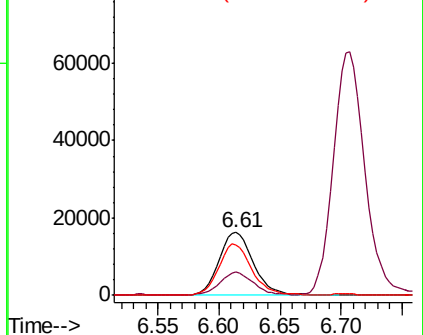
#49
1,4-Dioxane
Concen: 1257.990 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 32390
Ion Ratio Lower Upper
88 100
43 34.0 30.9 46.3
58 77.5 62.4 93.6

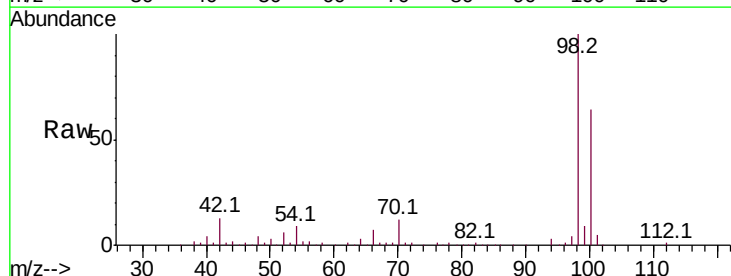


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

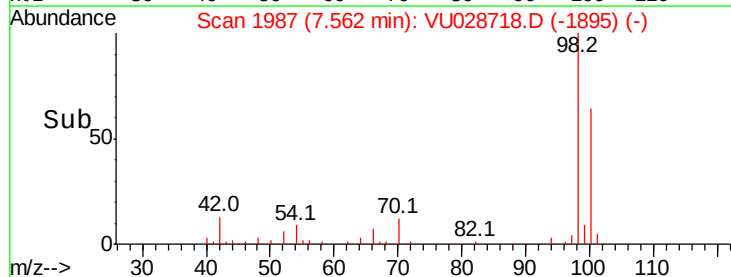
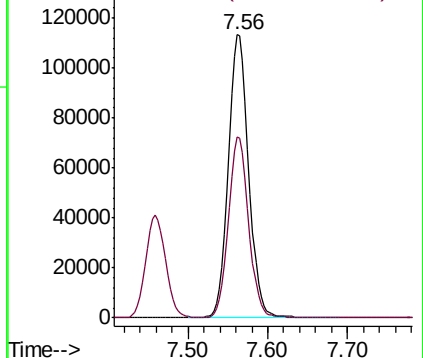


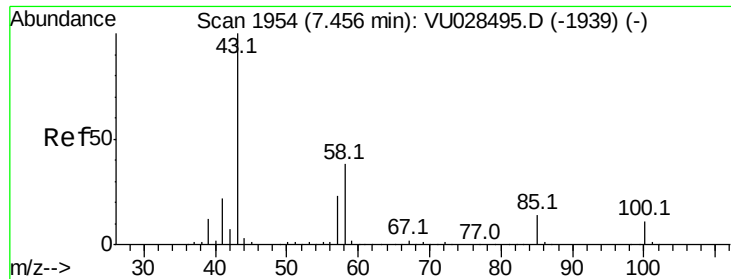
#50
Toluene-d8
Concen: 54.283 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 98 Resp: 198037
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 306.054 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

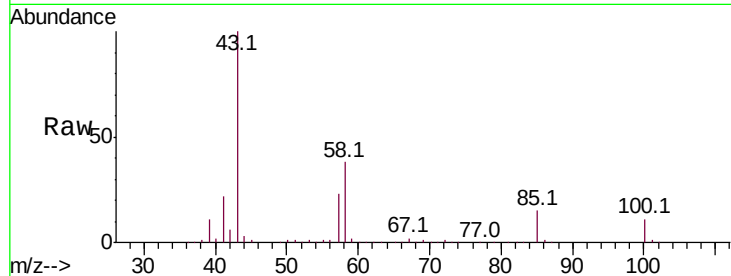
ClientSampled :

Tot Ion: 43 Resp: 632948

Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

300000

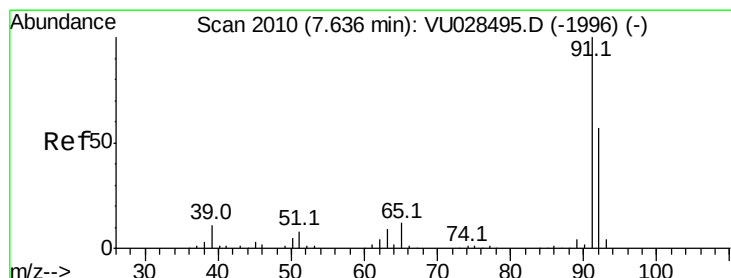
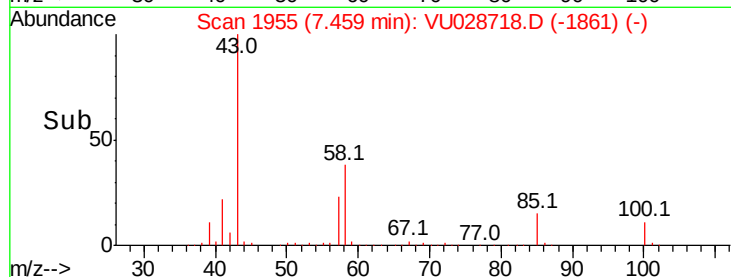
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 49.367 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028718.D

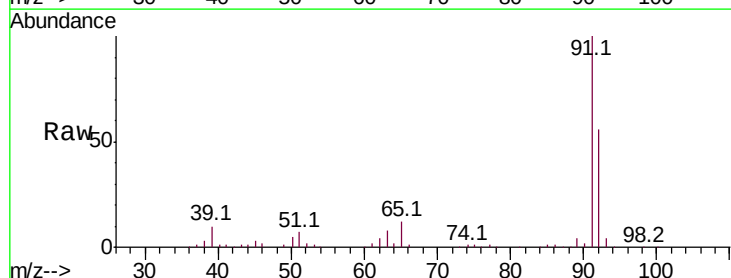
Acq: 17 Dec 2018 14:18

Tgt Ion: 92 Resp: 137226

Ion Ratio Lower Upper

92 100

91 176.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

150000

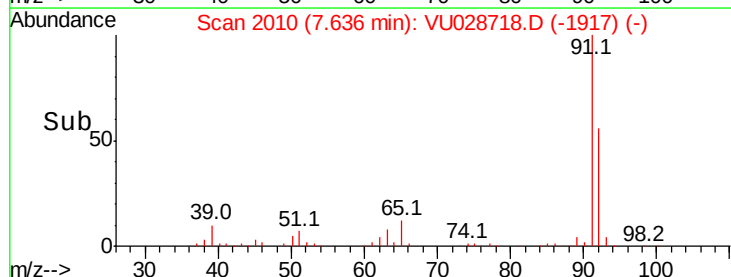
100000

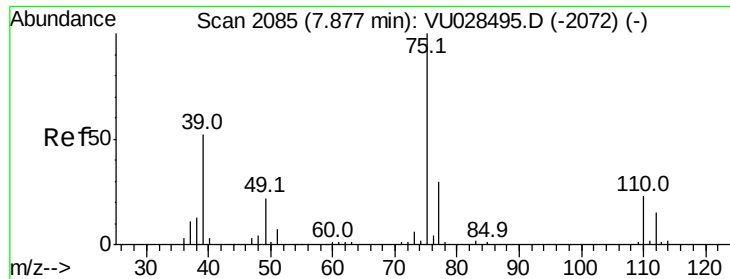
50000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#53

t-1,3-Dichloropropene

Concen: 42.805 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

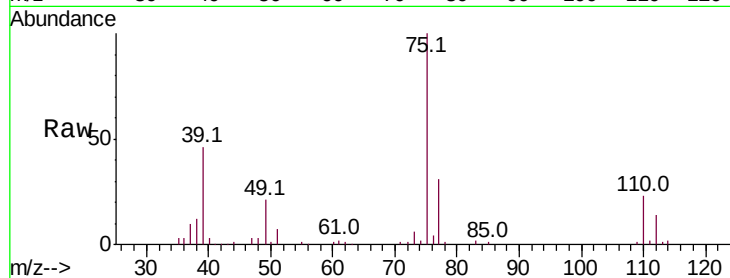
ClientSampled :

Tot Ion: 75 Resp: 78179

Ion Ratio Lower Upper

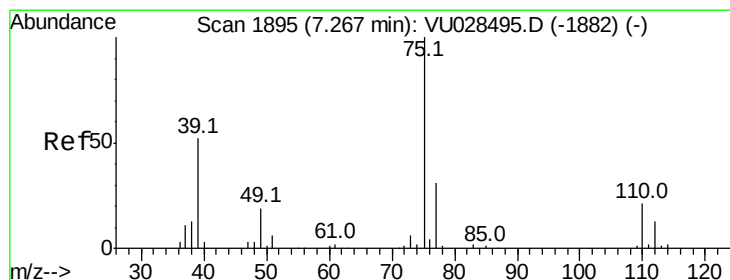
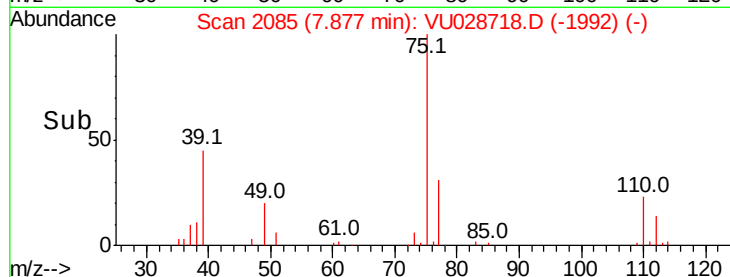
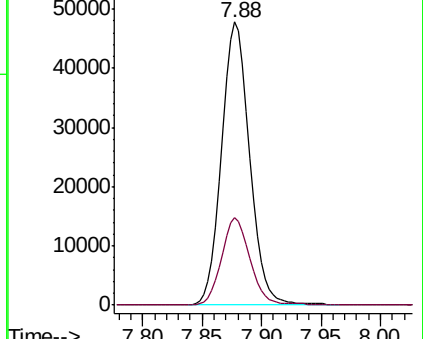
75 100

77 31.0 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 41.505 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

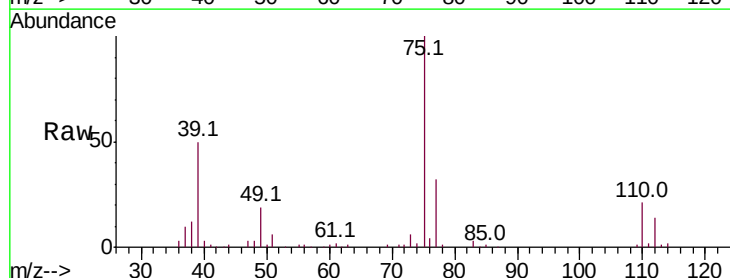
Tgt Ion: 75 Resp: 82242

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

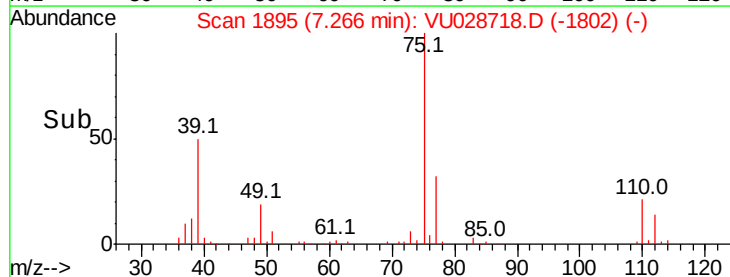
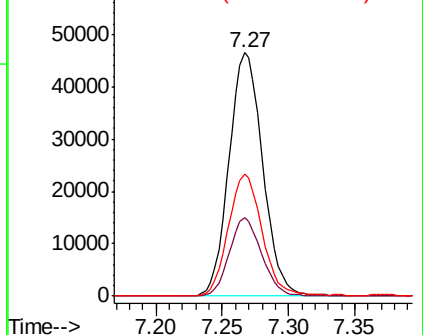
39 50.0 41.3 61.9

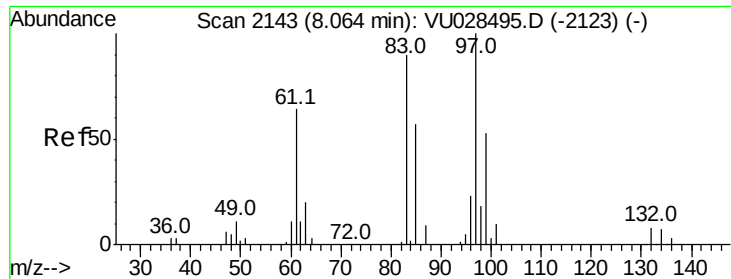


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

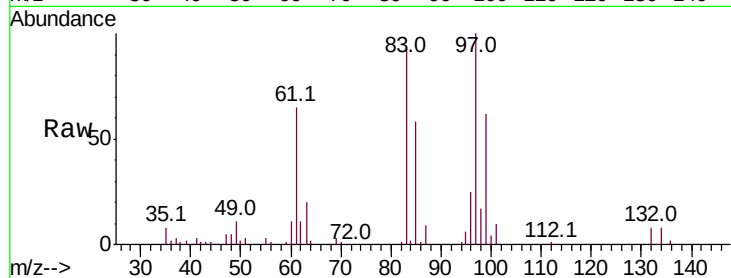




#55
 1,1,2-Trichloroethane
 Concen: 57.799 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	63509
Ion	Ratio	Lower	Upper
97	100		
83	92.7	72.4	108.6
85	57.6	46.0	69.0
99	61.7	47.4	71.2



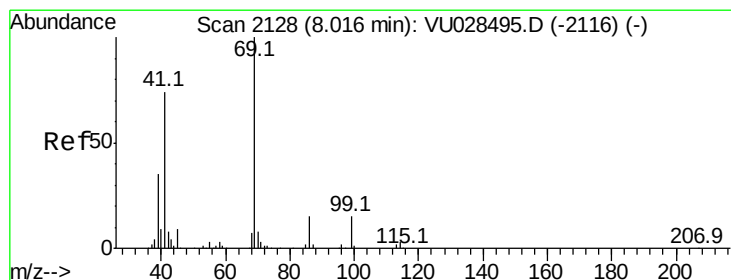
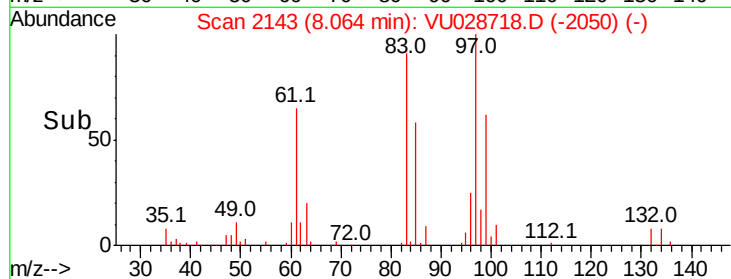
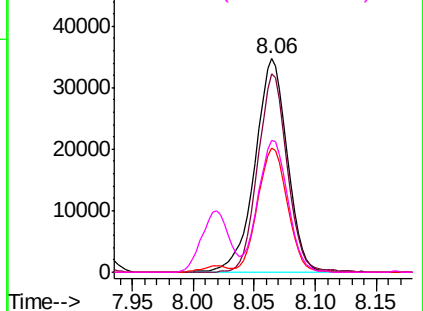
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

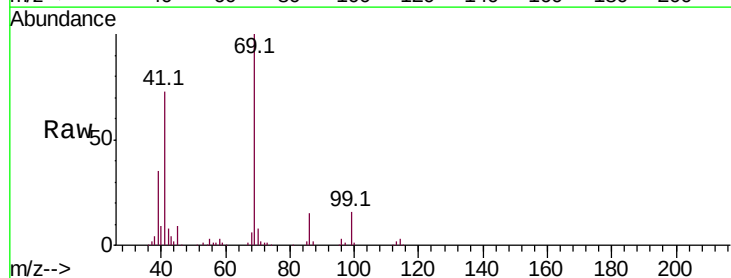
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 54.408 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion:	69	Resp:	102375
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.1	88.7
39	35.3	28.4	42.6

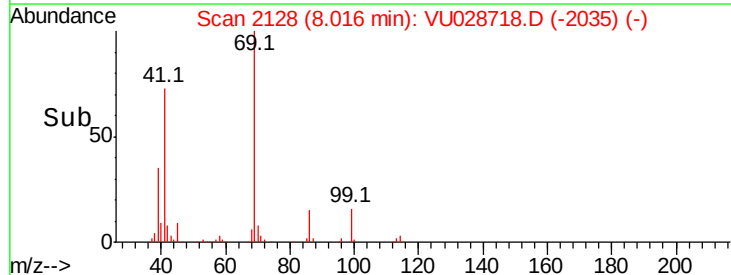
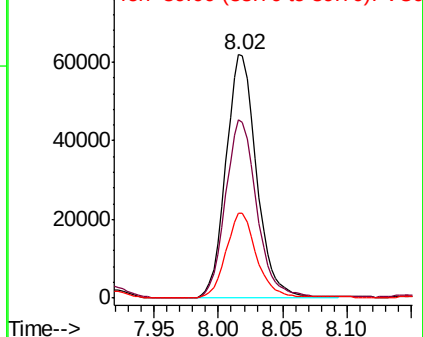


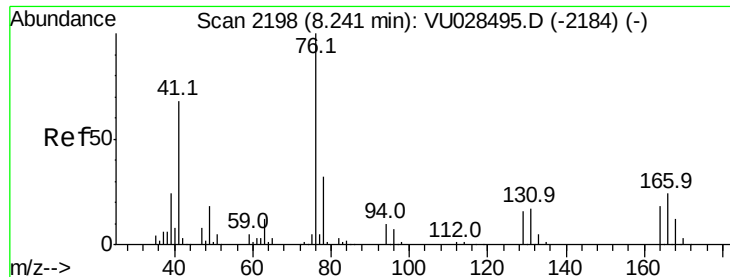
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 50.706 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

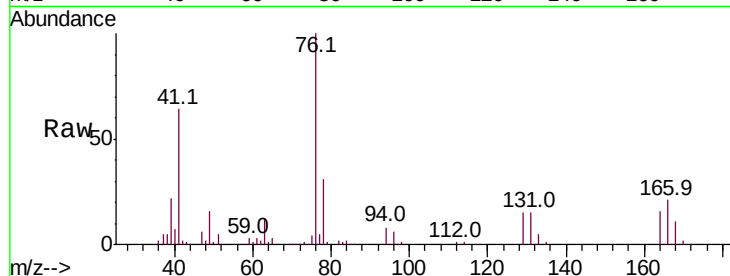
ClientSampleId :

Tot Ion: 76 Resp: 103424

Ion Ratio Lower Upper

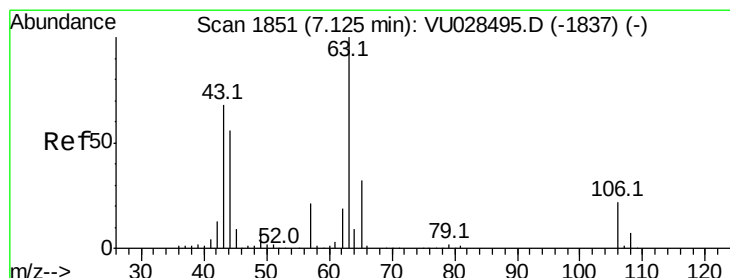
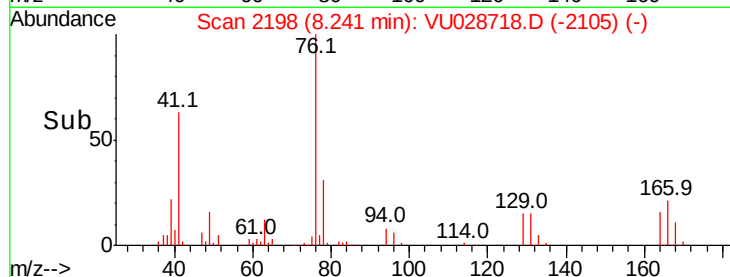
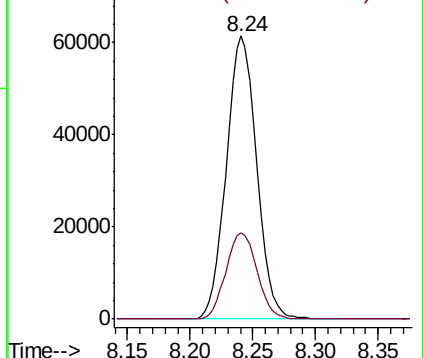
76 100

78 31.4 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: 0.456 ug/l

RT: 7.26 min Scan# 1894

Delta R.T. 0.14 min

Lab File: VU028718.D

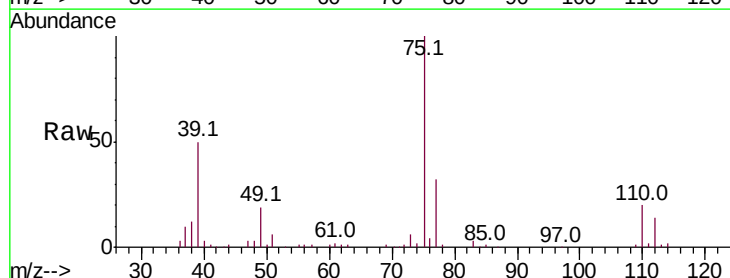
Acq: 17 Dec 2018 14:18

Tgt Ion: 63 Resp: 439

Ion Ratio Lower Upper

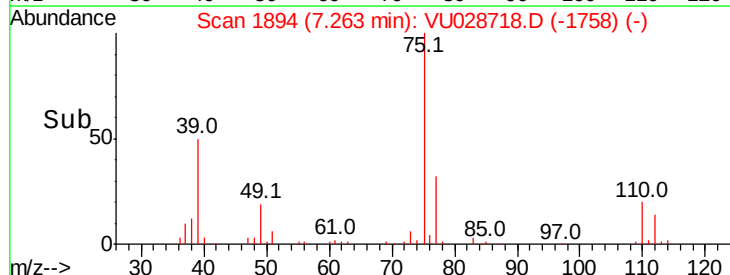
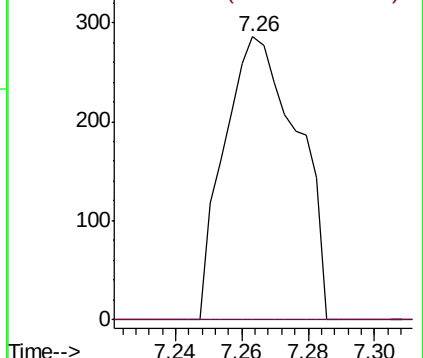
63 100

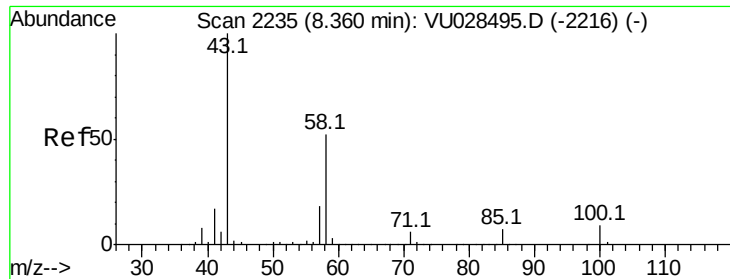
106 0.0 17.8 26.6#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

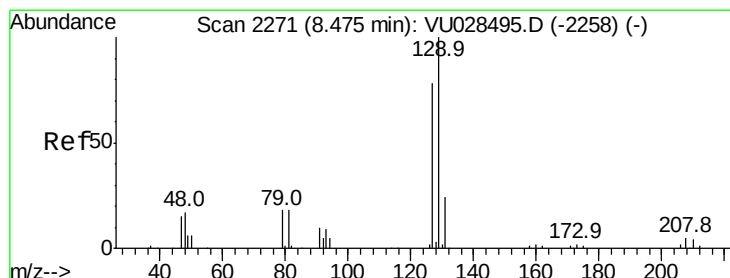
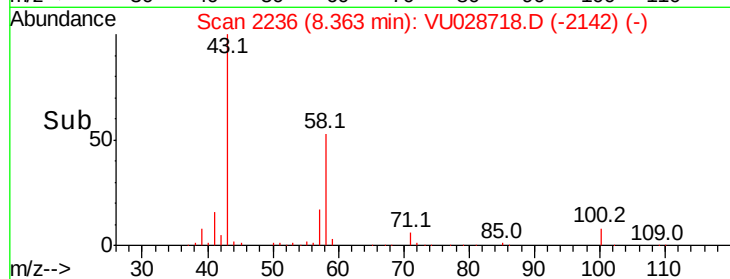
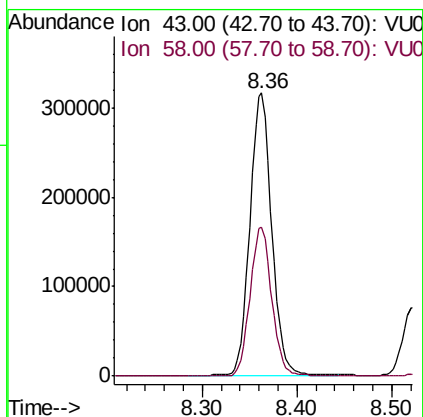
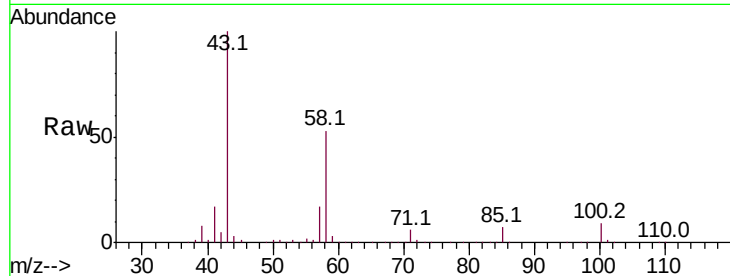




#59
2-Hexanone
Concen: 311.103 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

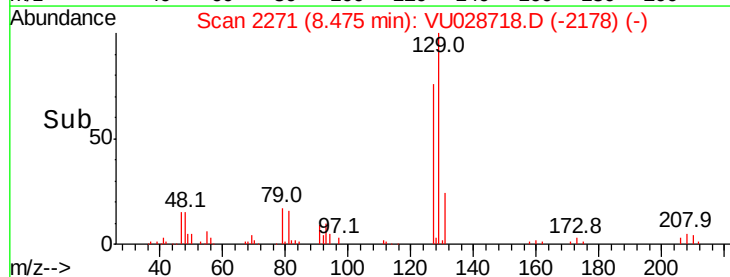
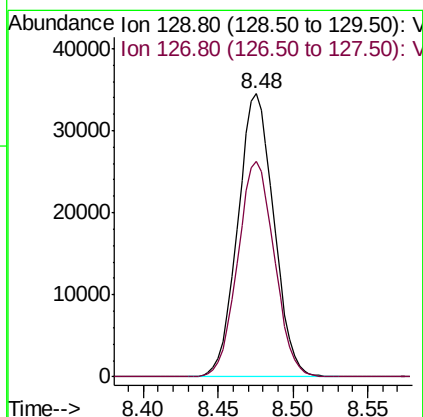
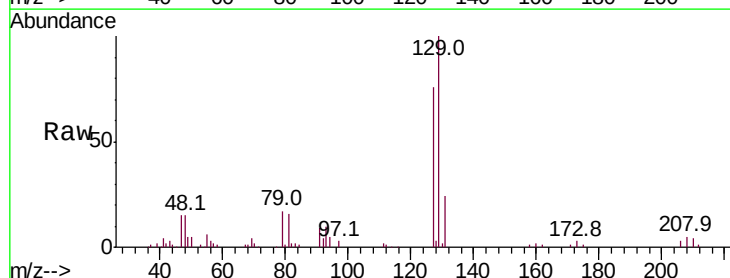
Instrument :
MSVOA_U
ClientSampled :

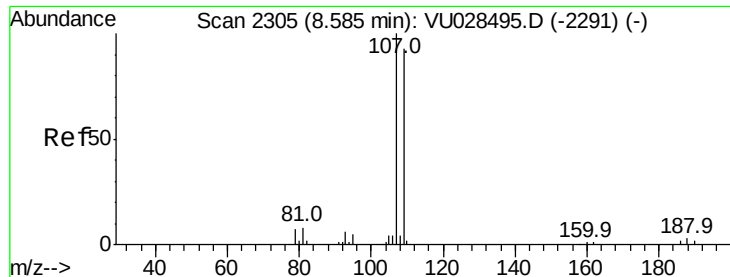
Tot Ion: 43 Resp: 509956
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.6



#60
Dibromochloromethane
Concen: 53.657 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion:129 Resp: 57723
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

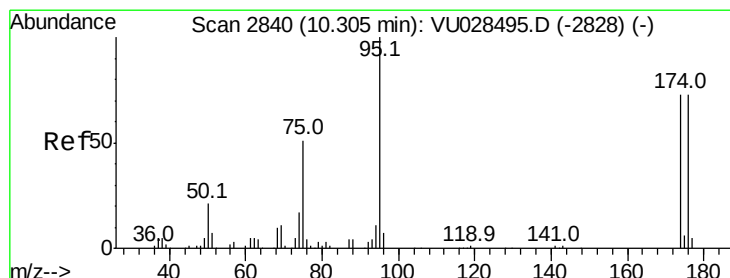
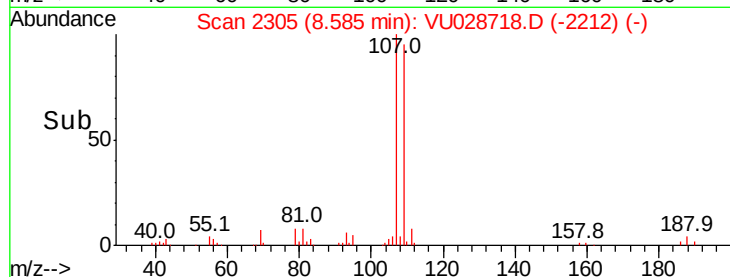
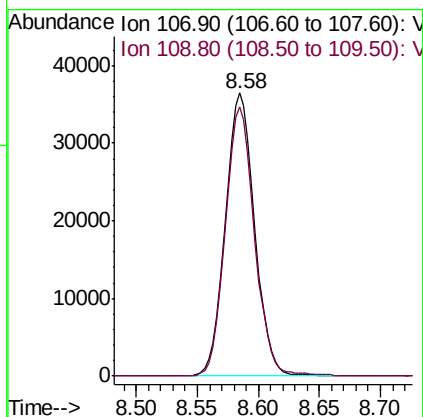
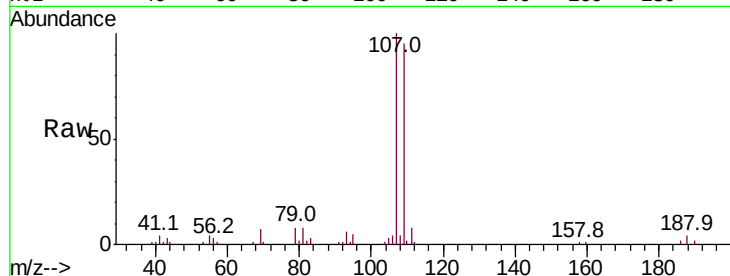




#61
 1,2-Dibromoethane
 Concen: 53.172 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

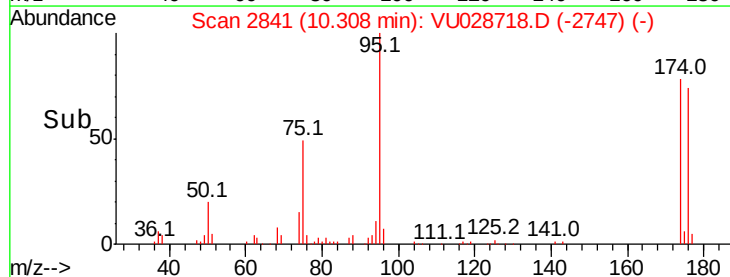
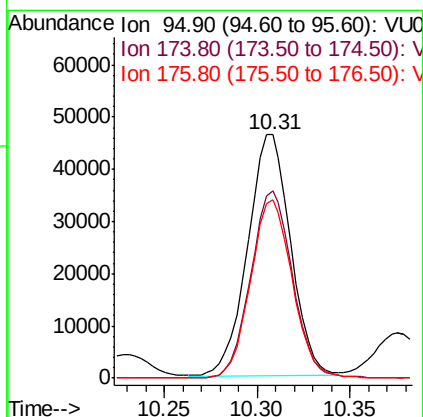
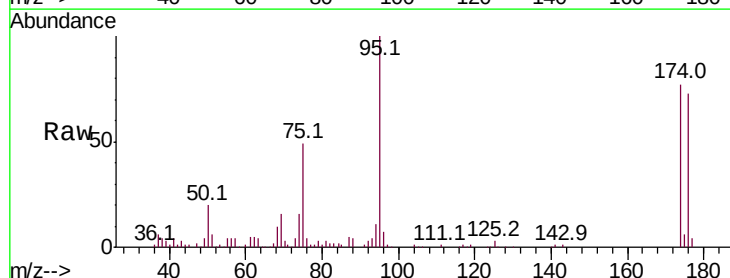
Instrument :
 MSVOA_U
 ClientSampleId :

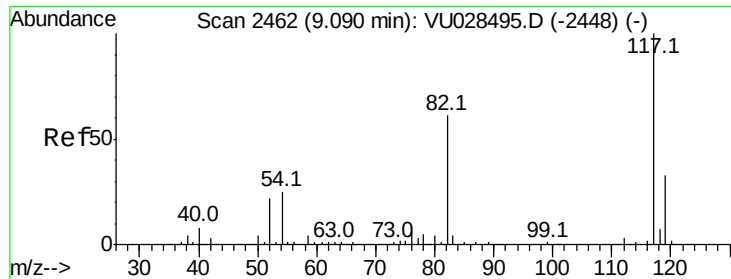
Tot Ion:107 Resp: 61268
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 54.478 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion: 95 Resp: 74286
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.4
 176 72.0 0.0 145.2

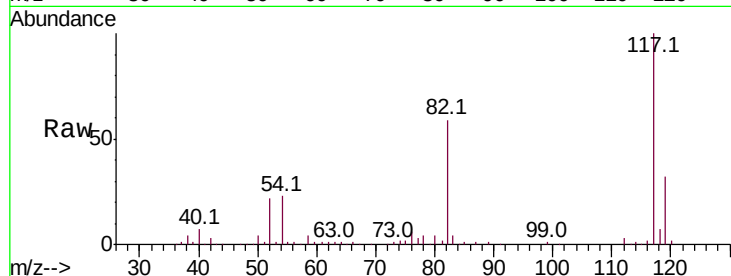




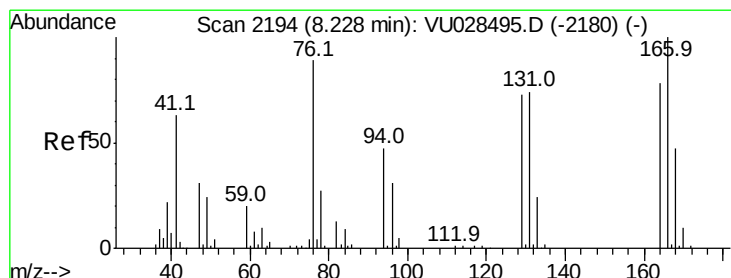
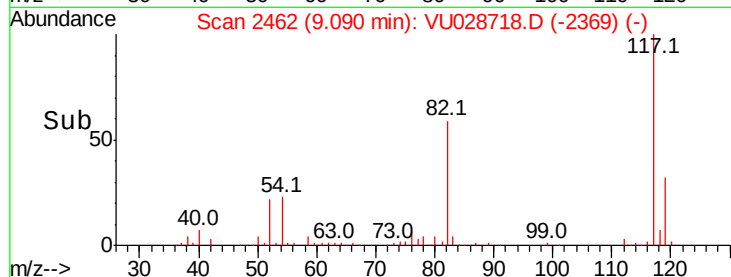
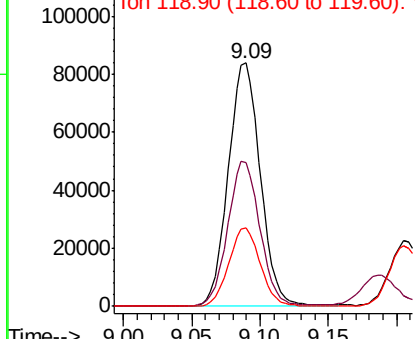
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 137420
Ion Ratio Lower Upper
117 100
82 58.8 48.9 73.3
119 32.1 26.2 39.4

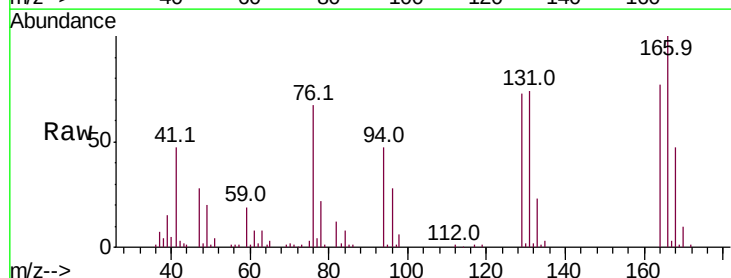


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

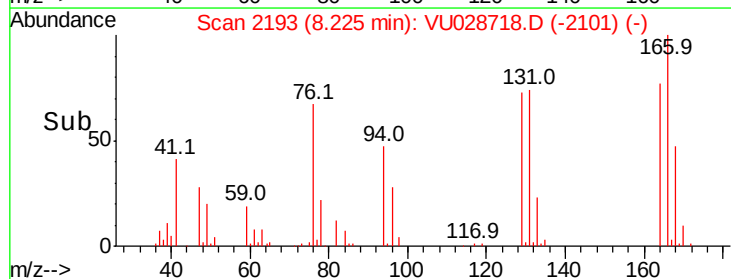
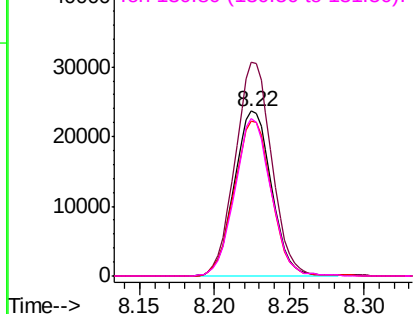


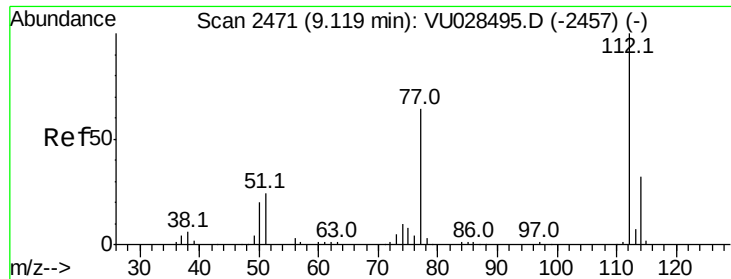
#64
Tetrachloroethene
Concen: 44.688 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion:164 Resp: 40962
Ion Ratio Lower Upper
164 100
166 129.6 101.9 152.9
129 94.4 74.9 112.3
131 95.9 75.4 113.0



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

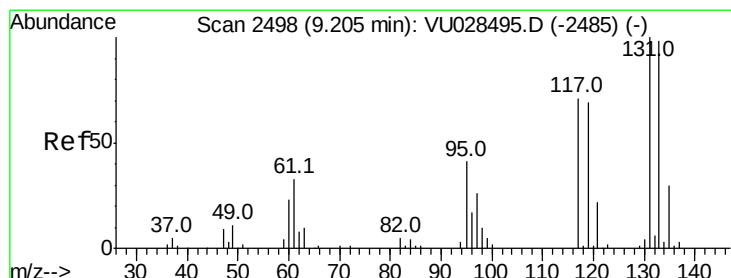
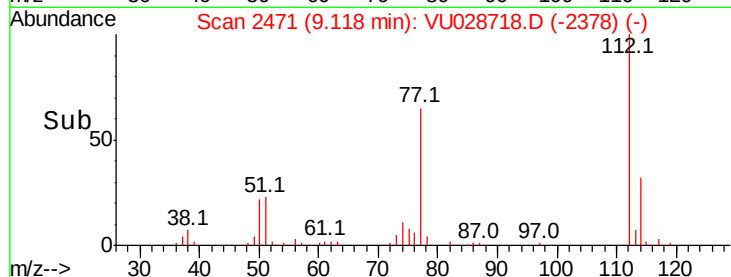
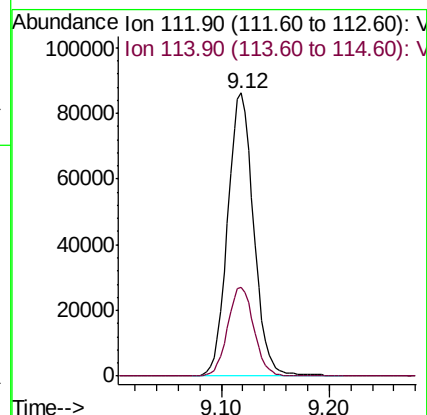
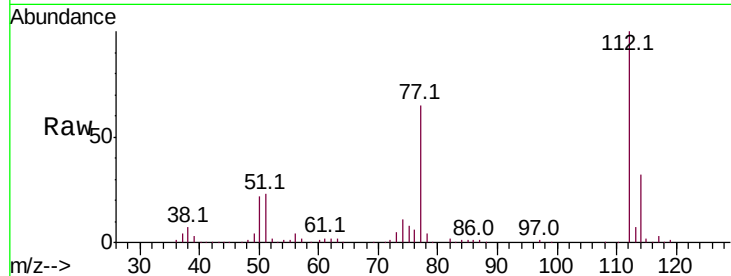




#65
Chlorobenzene
Concen: 49.318 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

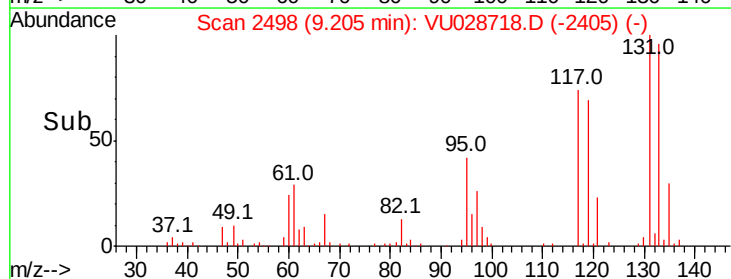
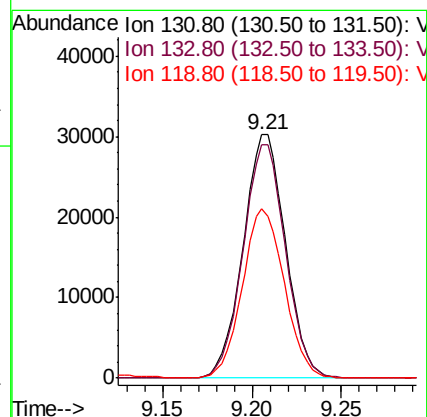
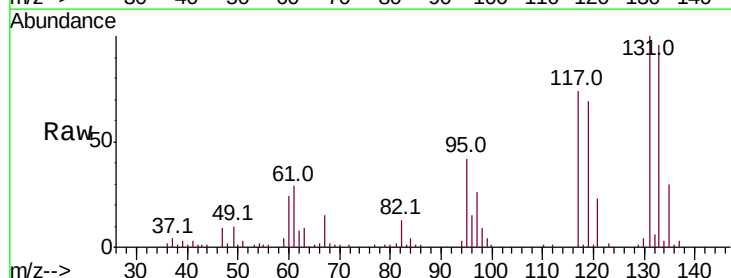
Instrument :
MSVOA_U
ClientSampled :

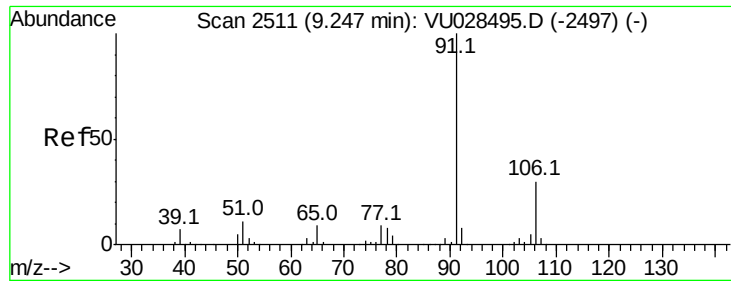
Tot Ion:112 Resp: 144416
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.762 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion:131 Resp: 50273
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 69.1 34.6 103.9

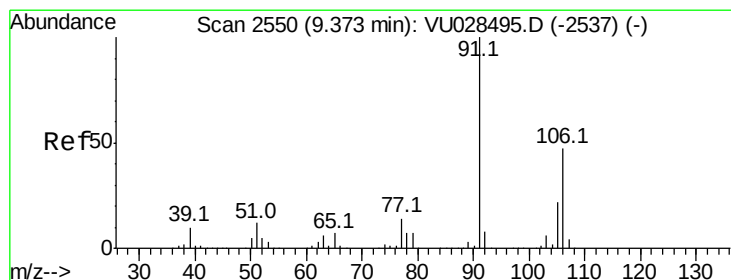
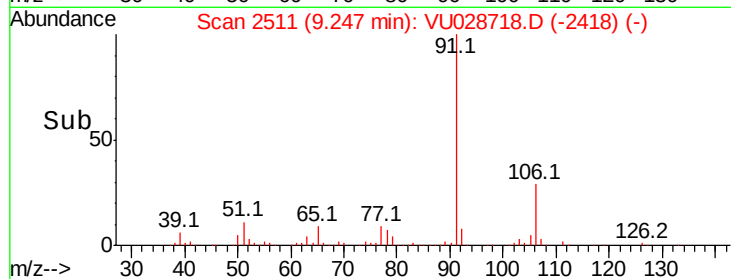
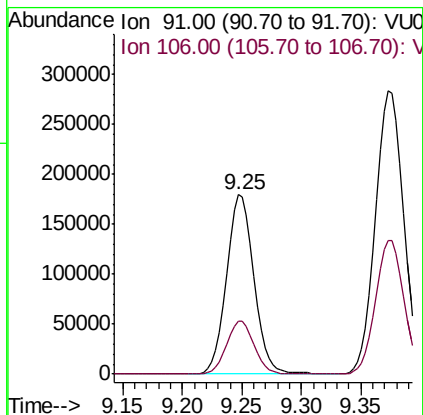
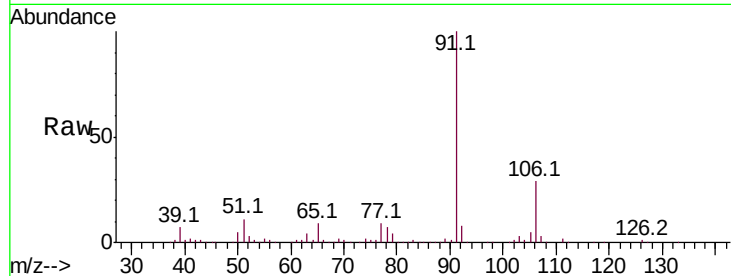




#67
Ethyl Benzene
Concen: 53.355 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

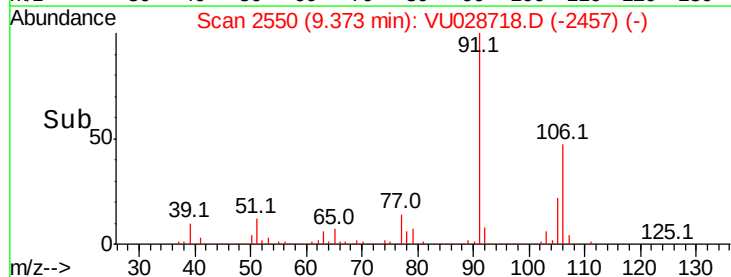
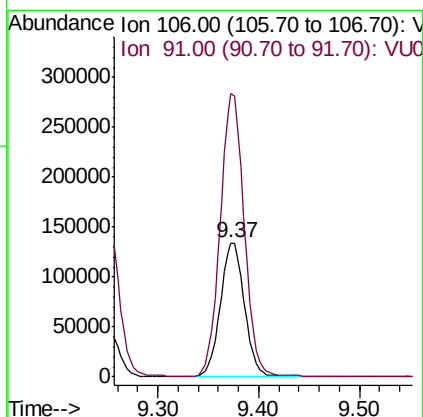
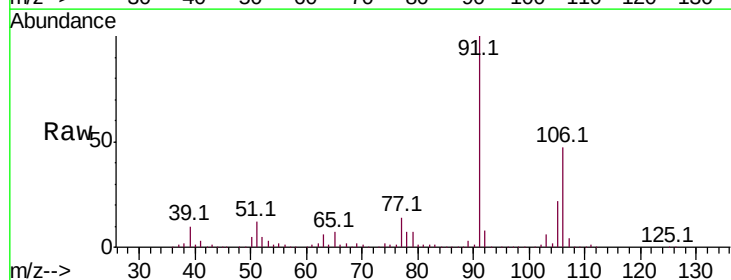
Instrument :
MSVOA_U
ClientSampled :

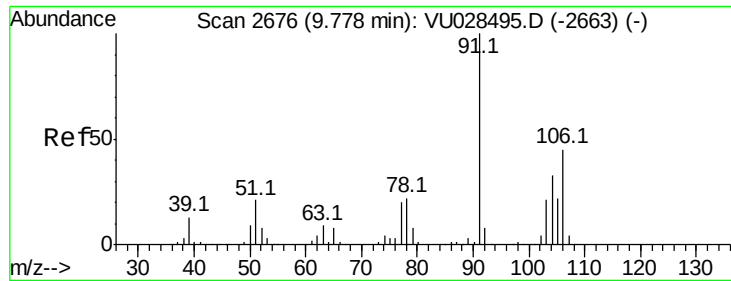
Tot Ion: 91 Resp: 287218
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1



#68
m/p-Xylenes
Concen: 114.720 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 106 Resp: 224711
Ion Ratio Lower Upper
106 100
91 210.4 167.4 251.0

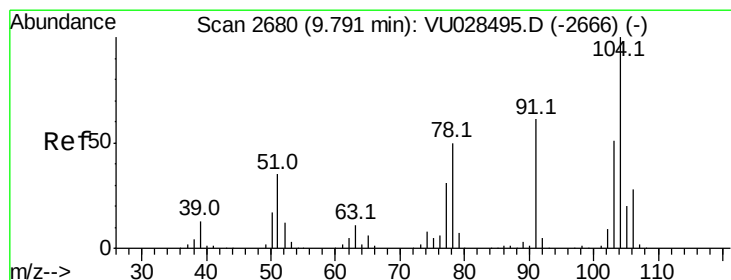
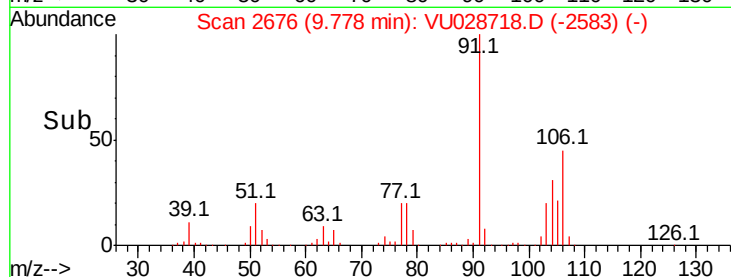
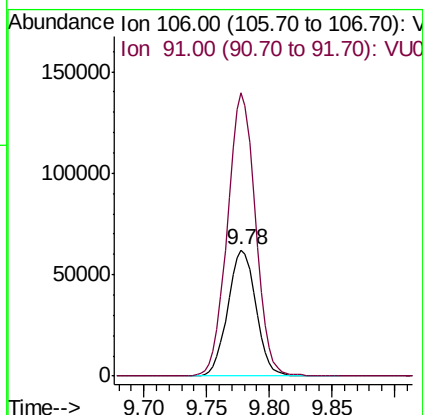
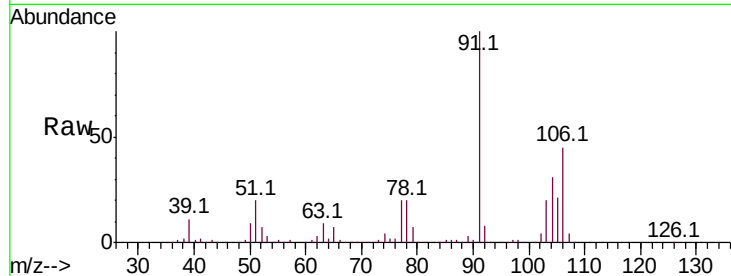




#69
o-Xylene
Concen: 50.983 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

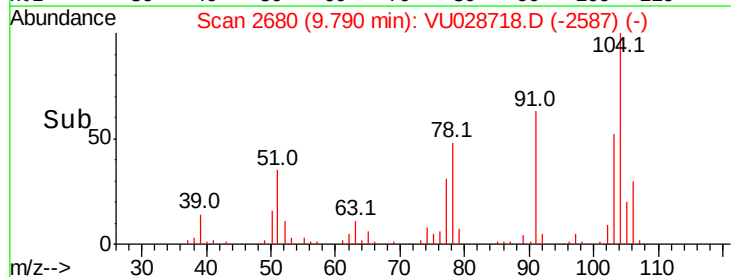
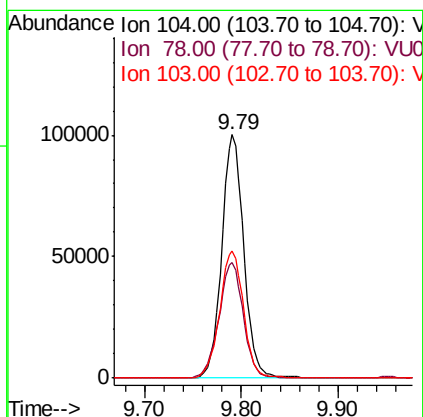
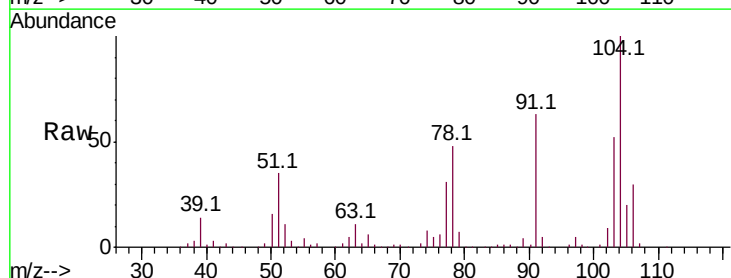
Instrument :
MSVOA_U
ClientSampleId :

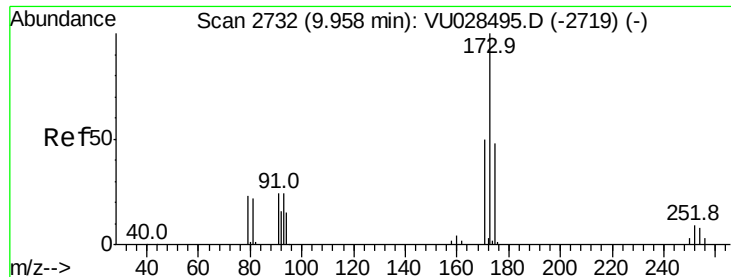
Tot Ion:106 Resp: 97048
Ion Ratio Lower Upper
106 100
91 222.7 111.3 334.0



#70
Styrene
Concen: 50.186 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion:104 Resp: 158096
Ion Ratio Lower Upper
104 100
78 52.7 43.0 64.6
103 56.7 44.2 66.4





#71

Bromoform

Concen: 59.849 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampleId :

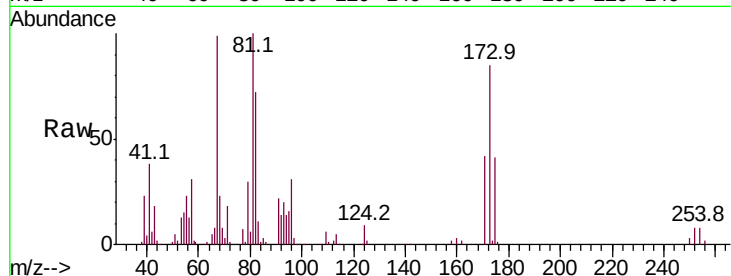
Tot Ion:173 Resp: 47609

Ion Ratio Lower Upper

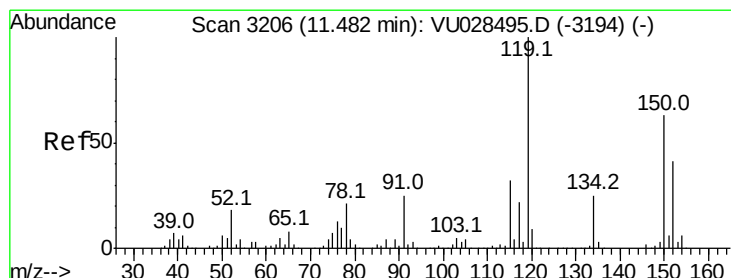
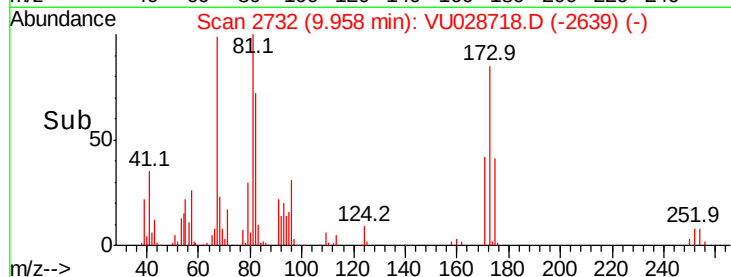
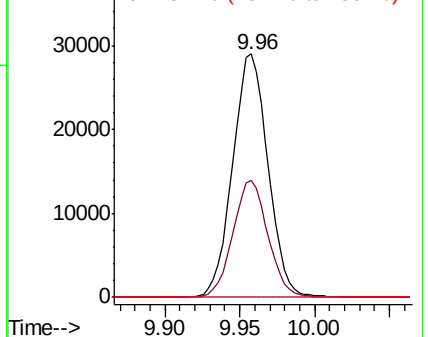
173 100

175 47.6 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: VU028718.D

Acq: 17 Dec 2018 14:18

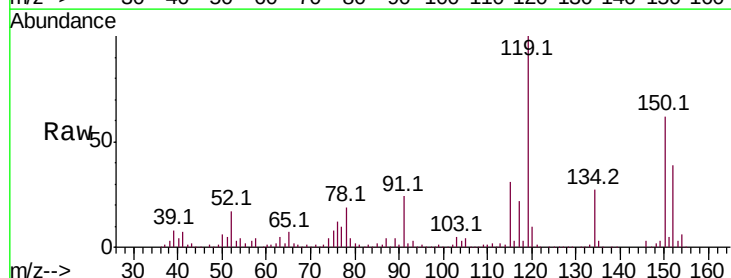
Tgt Ion:152 Resp: 66413

Ion Ratio Lower Upper

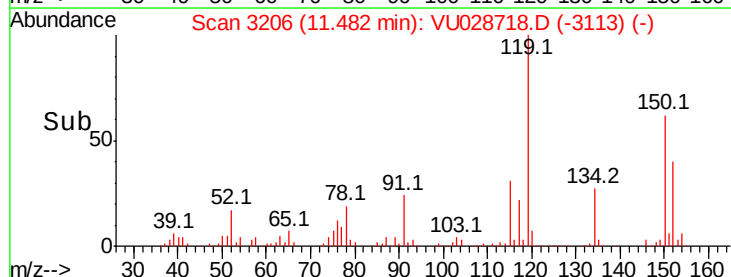
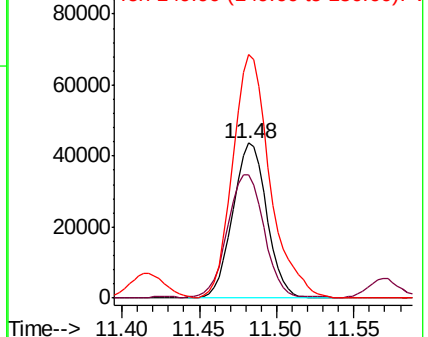
152 100

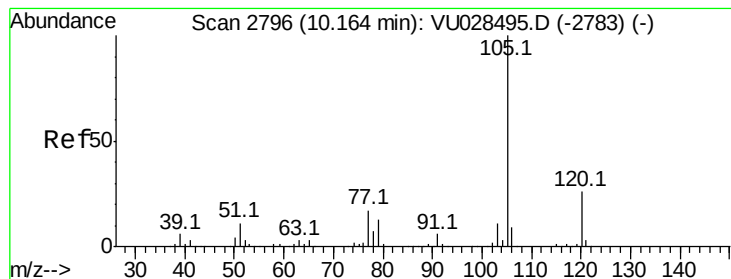
115 84.5 42.7 128.1

150 172.9 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: 259.205 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

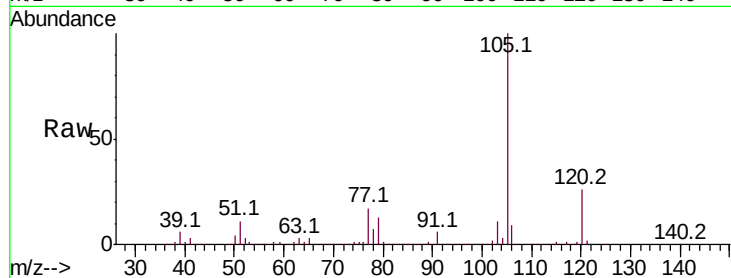
ClientSampled :

Tot Ion:105 Resp: 1320936

Ion Ratio Lower Upper

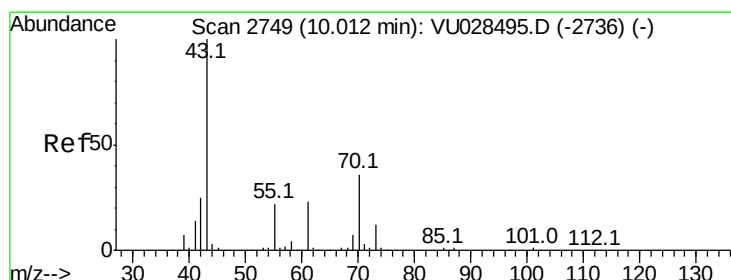
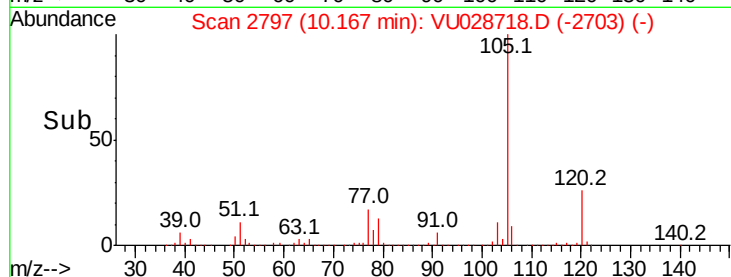
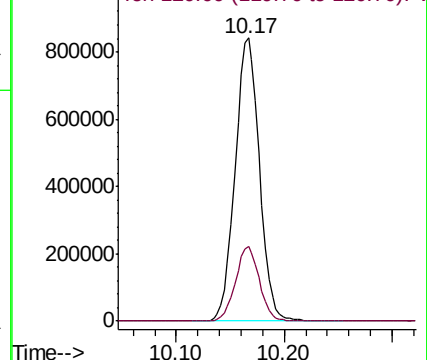
105 100

120 25.9 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.538 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion: 43 Resp: 125044

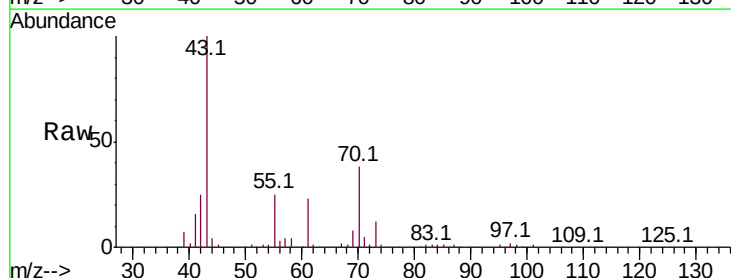
Ion Ratio Lower Upper

43 100

70 41.4 29.3 43.9

55 20.1 18.0 27.0

61 21.7 18.3 27.5

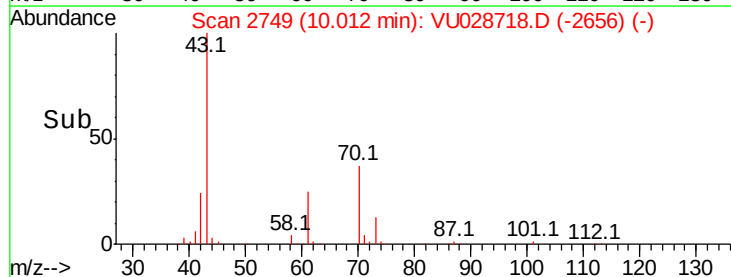
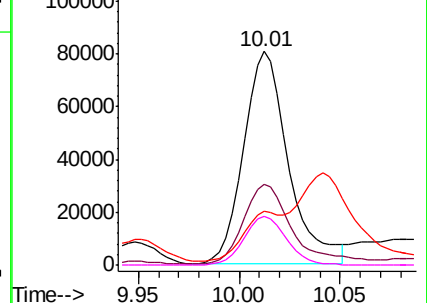


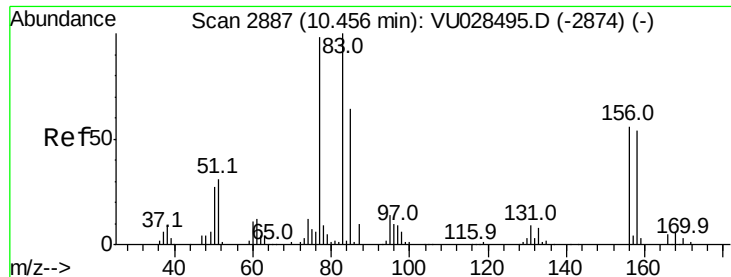
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 61.804 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

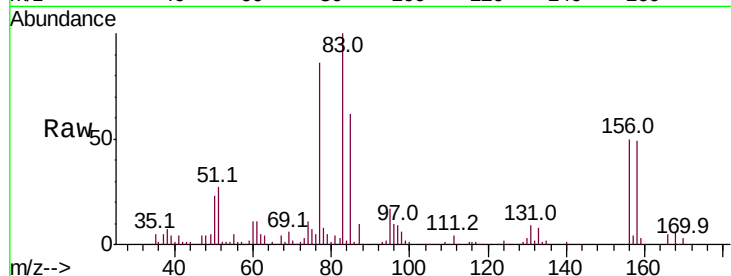
Tot Ion: 83 Resp: 120990

Ion Ratio Lower Upper

83 100

131 7.8 4.2 12.4

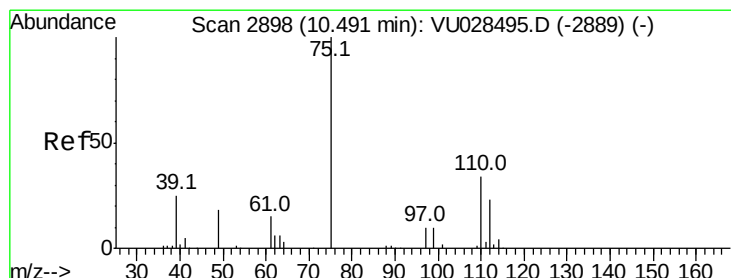
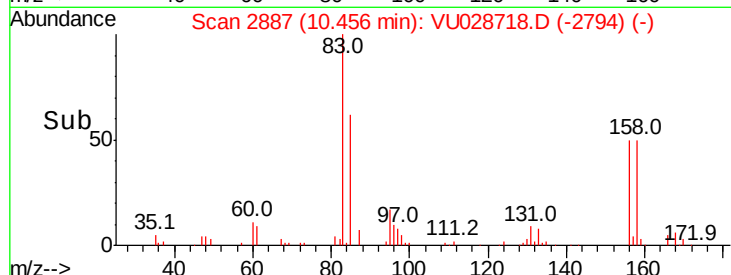
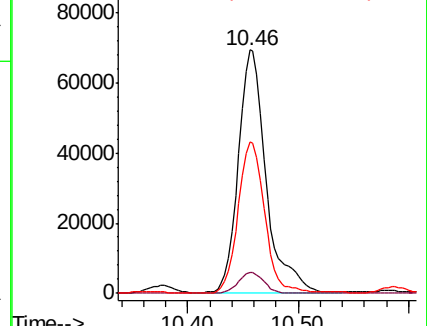
85 59.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 69.201 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028718.D

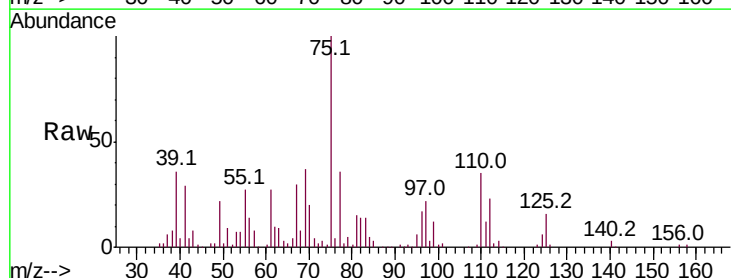
Acq: 17 Dec 2018 14:18

Tgt Ion: 75 Resp: 117356

Ion Ratio Lower Upper

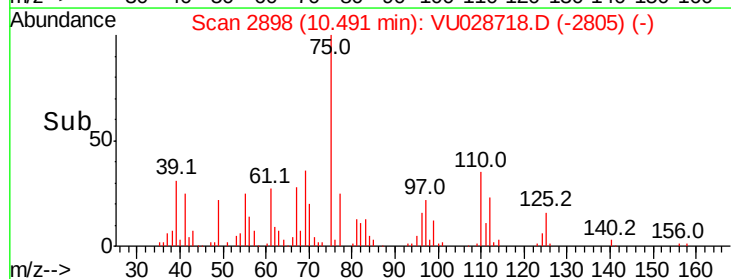
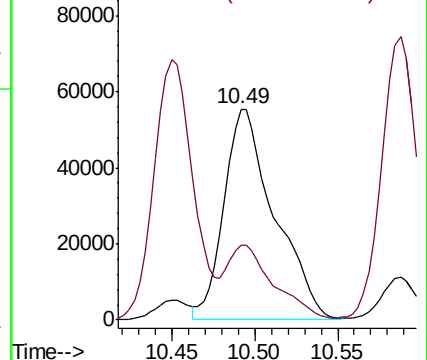
75 100

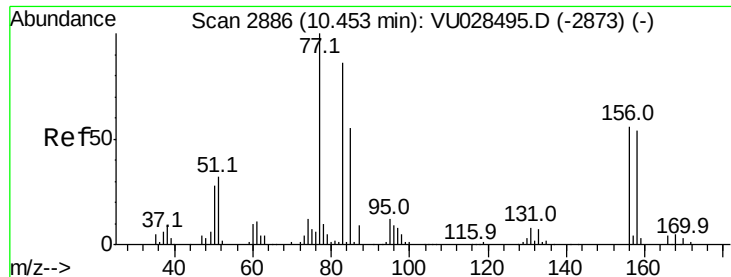
77 31.4 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 51.657 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampled :

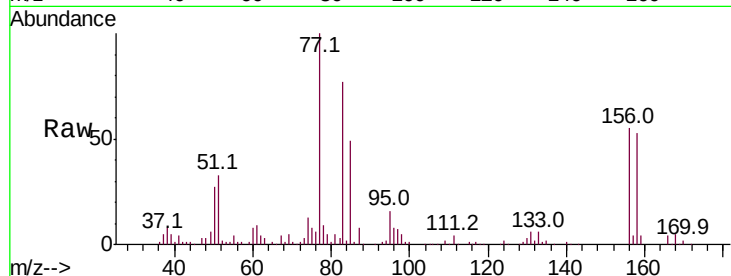
Tot Ion:156 Resp: 61568

Ion Ratio Lower Upper

156 100

77 184.0 92.4 277.2

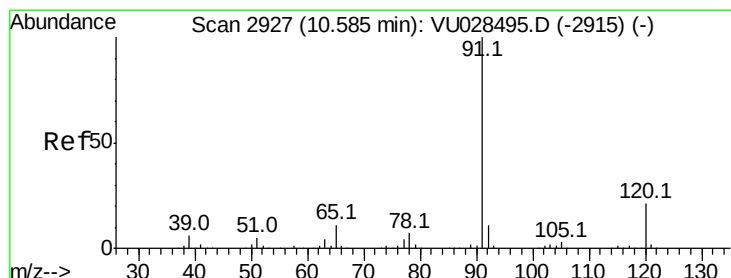
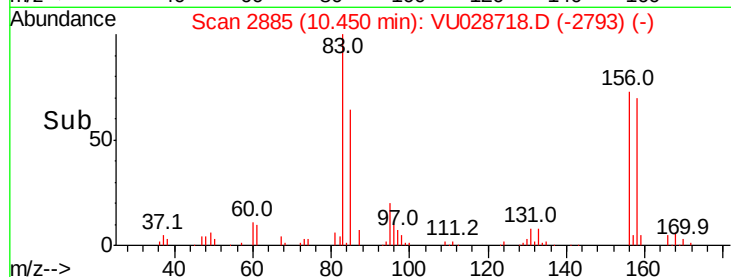
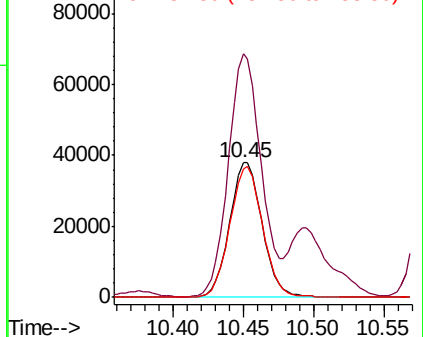
158 97.4 48.4 145.3



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: 441.604 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028718.D

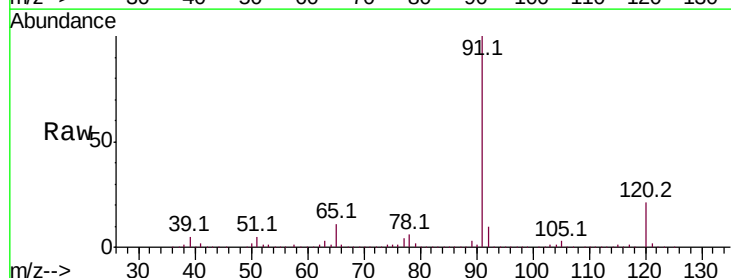
Acq: 17 Dec 2018 14:18

Tgt Ion: 91 Resp: 2796406

Ion Ratio Lower Upper

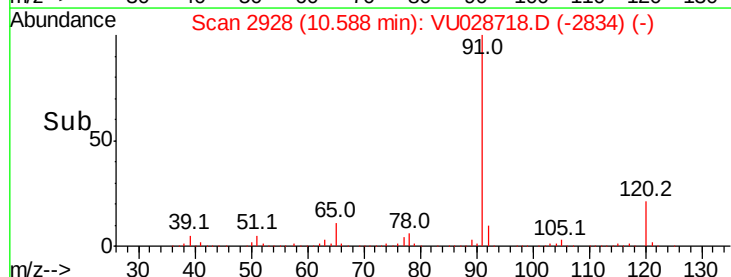
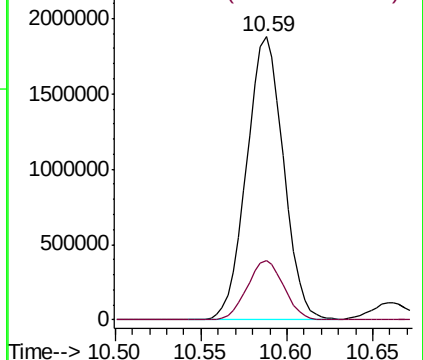
91 100

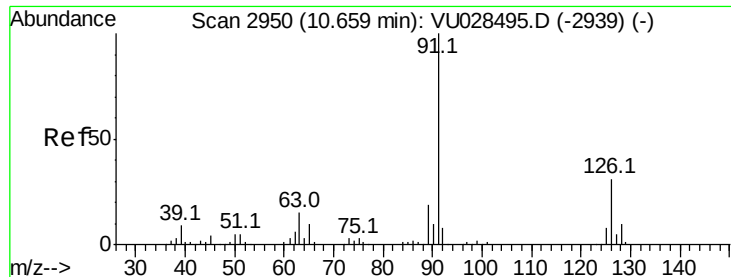
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.986 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

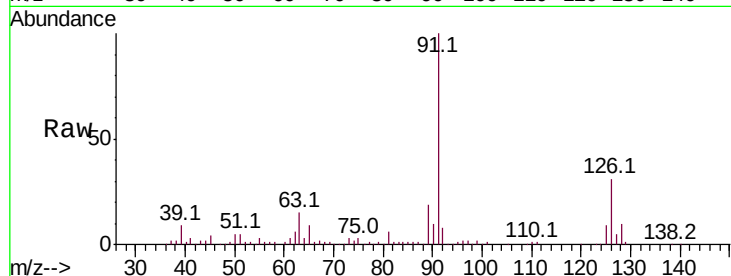
ClientSampled :

Tot Ion: 91 Resp: 160444

Ion Ratio Lower Upper

91 100

126 35.6 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

800000

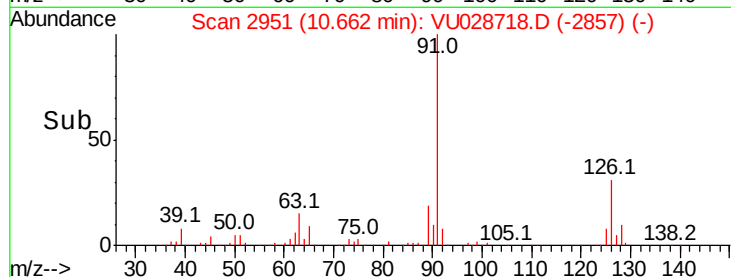
600000

400000

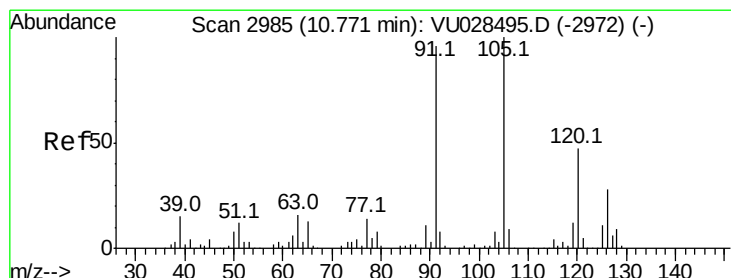
200000

0

10.60 10.65 10.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.226 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028718.D

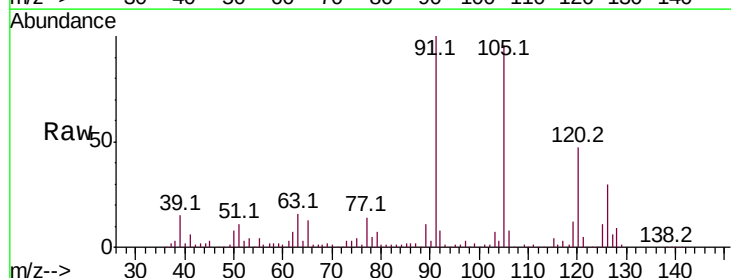
Acq: 17 Dec 2018 14:18

Tgt Ion:105 Resp: 195002

Ion Ratio Lower Upper

105 100

120 47.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

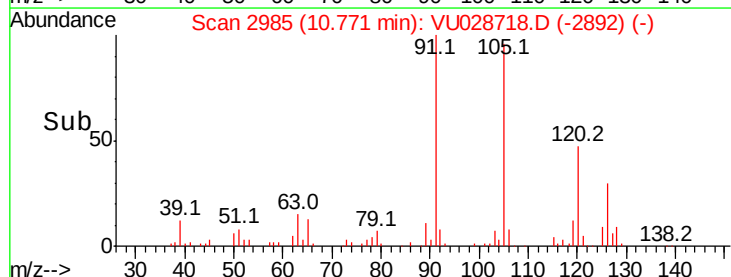
150000

100000

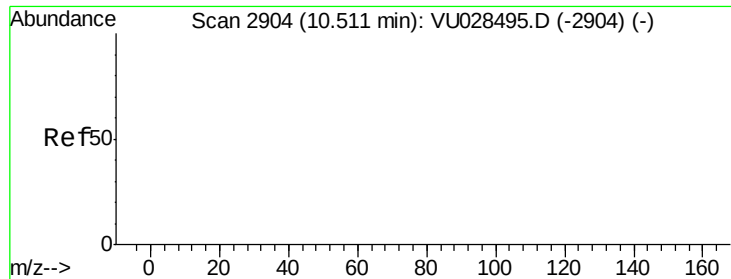
50000

0

10.70 10.75 10.80 10.85



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 168.884 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

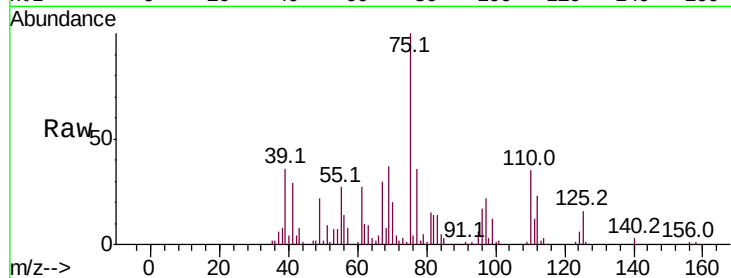
Tot Ion: 75 Resp: 117356

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

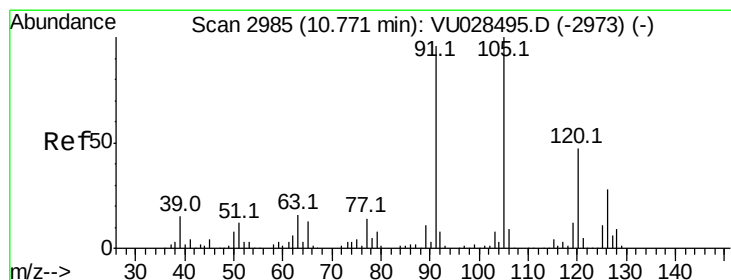
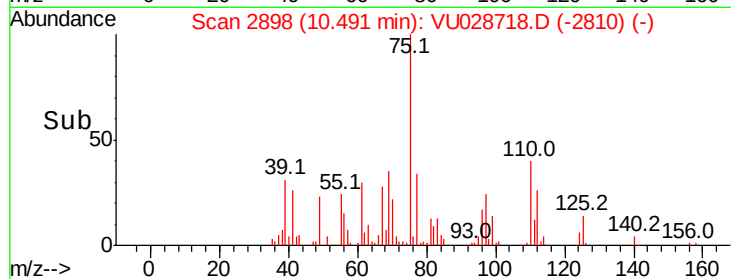
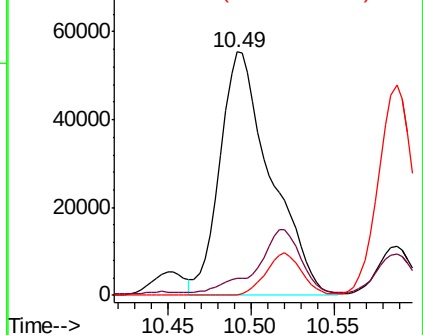
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 46.994 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028718.D

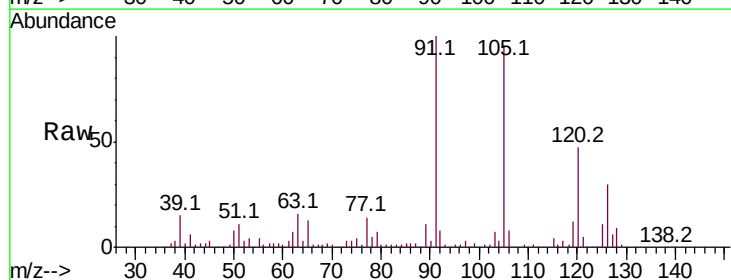
Acq: 17 Dec 2018 14:18

Tgt Ion: 91 Resp: 203131

Ion Ratio Lower Upper

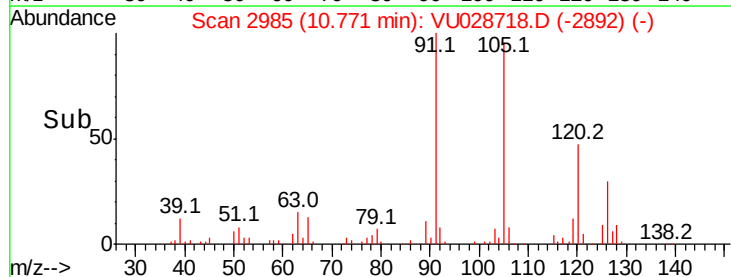
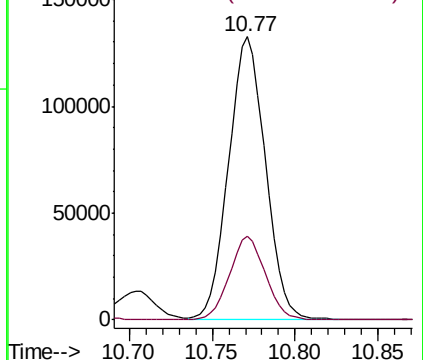
91 100

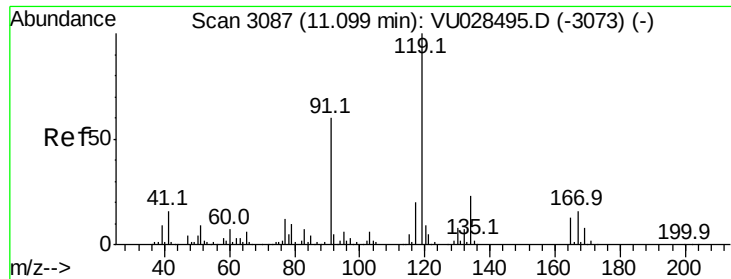
126 29.0 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

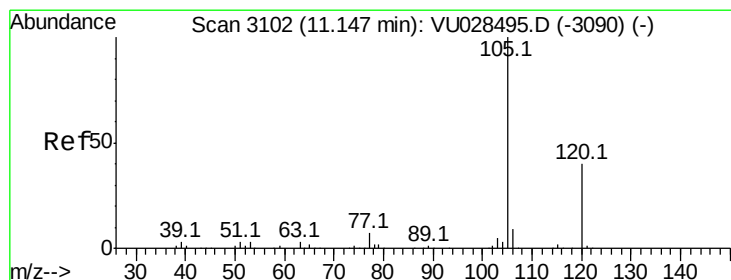
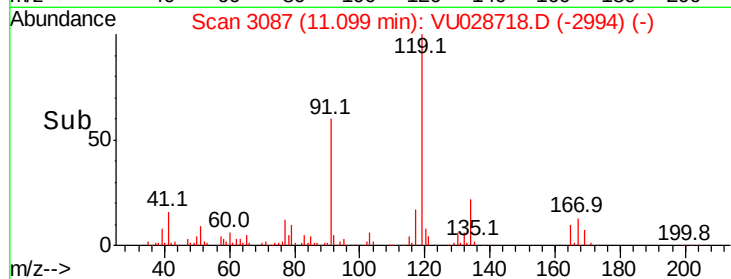
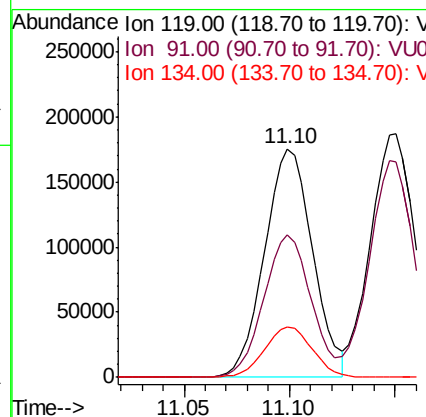
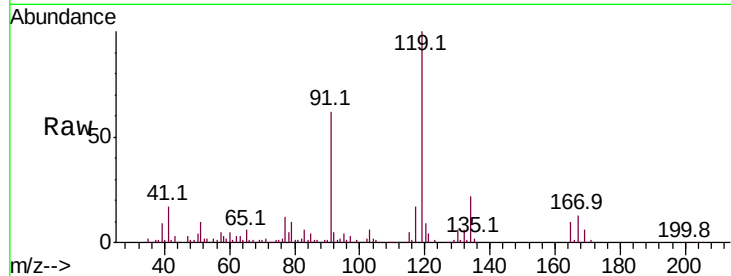




#83
 tert-Butylbenzene
 Concen: 68.388 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

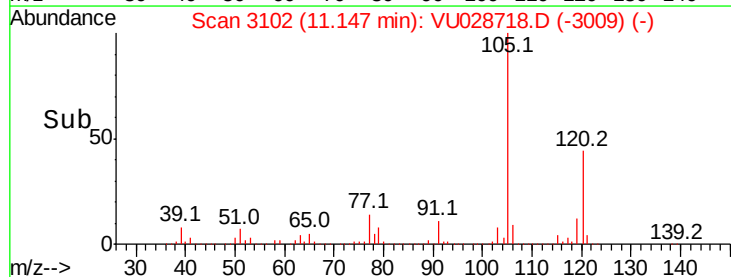
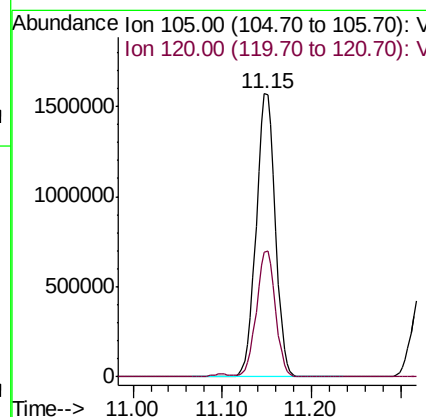
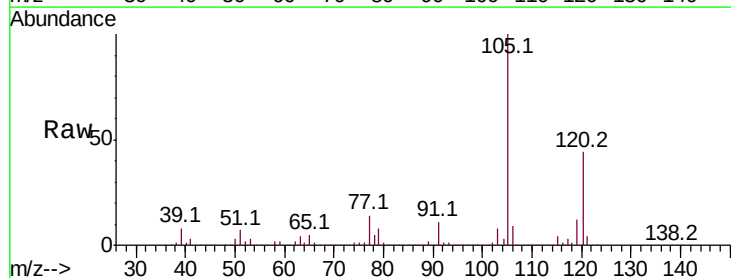
Instrument :
 MSVOA_U
 ClientSampleId :

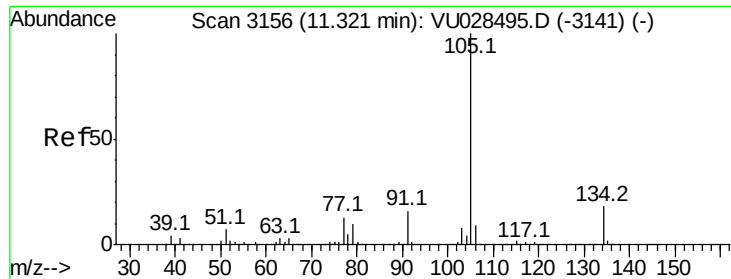
Tot Ion:119 Resp: 278062
 Ion Ratio Lower Upper
 119 100
 91 61.0 30.3 91.0
 134 22.1 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 539.449 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion:105 Resp: 2345209
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.8 65.4





#85

sec-Butylbenzene

Concen: 142.170 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

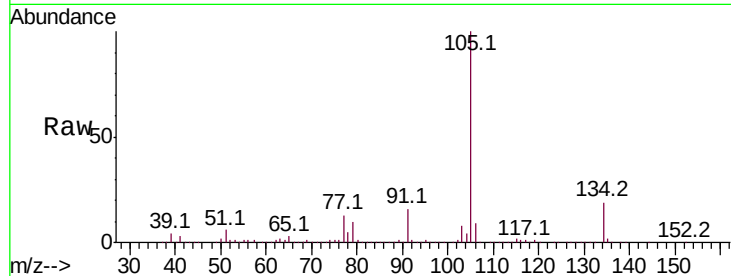
ClientSampleId :

Tot Ion:105 Resp: 742616

Ion Ratio Lower Upper

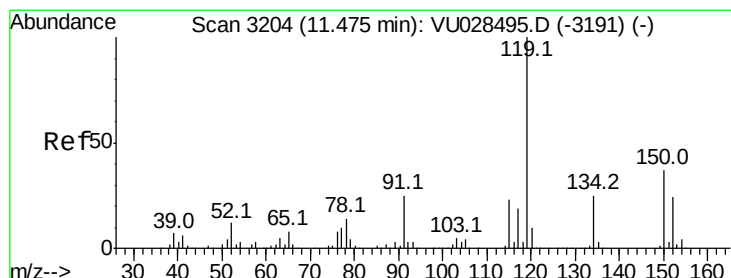
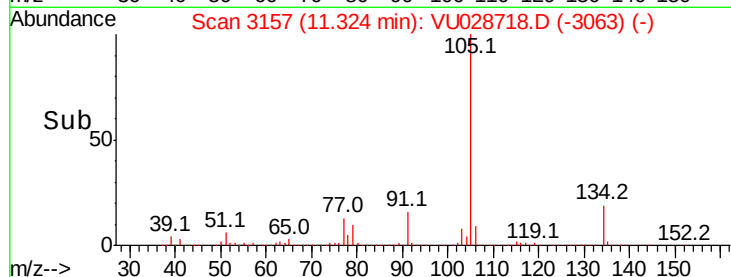
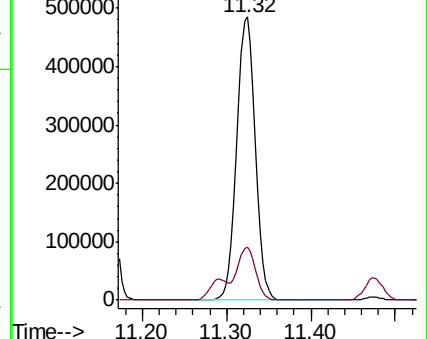
105 100

134 18.9 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.118 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

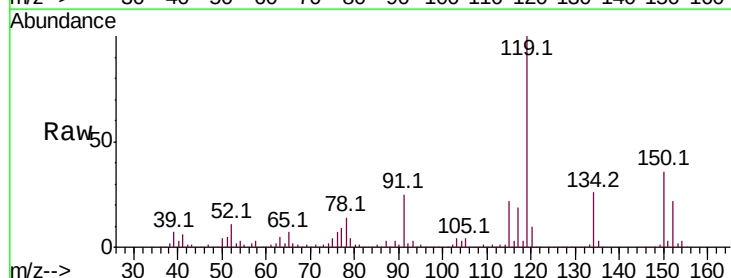
Tgt Ion:119 Resp: 217943

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

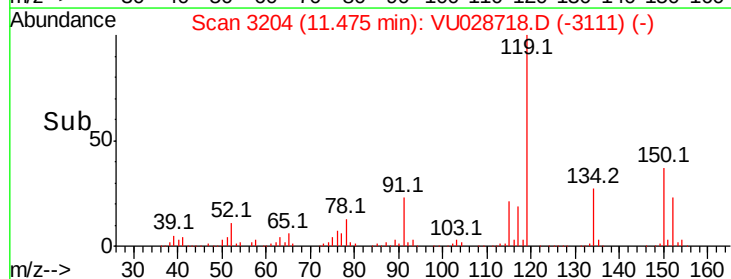
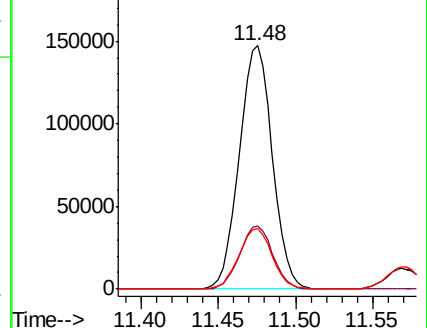
91 24.8 12.6 37.6

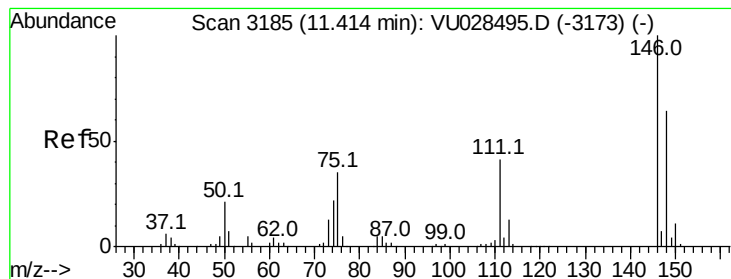


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 47.633 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

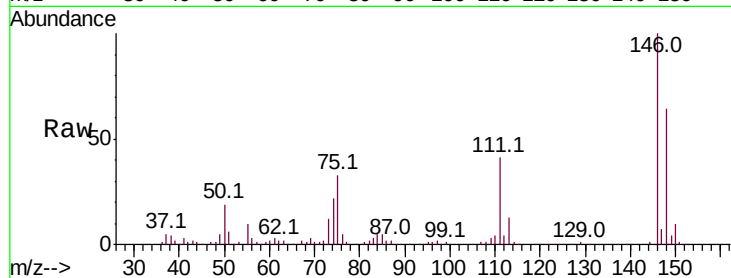
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:146 Resp: 107200

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	64.6	31.9	95.7

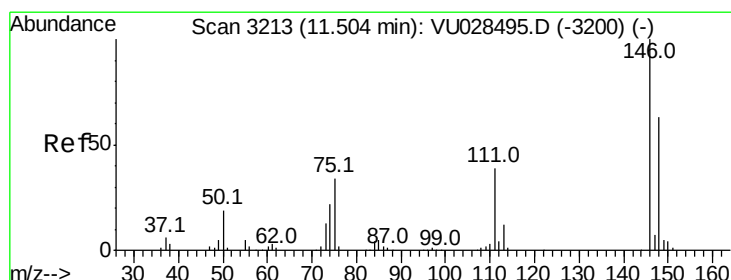
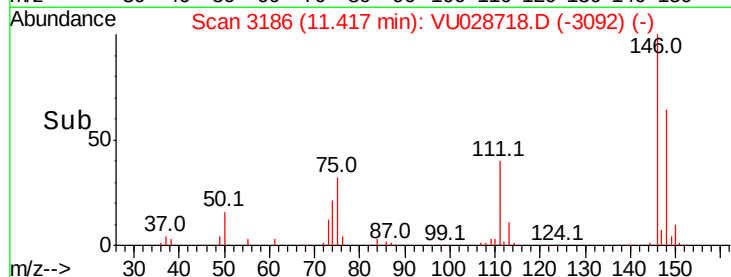
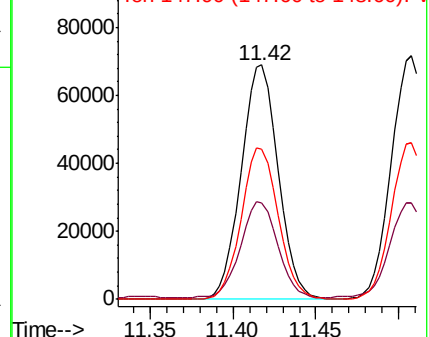


Abundance

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: 47.500 ug/l

RT: 11.51 min Scan# 3214

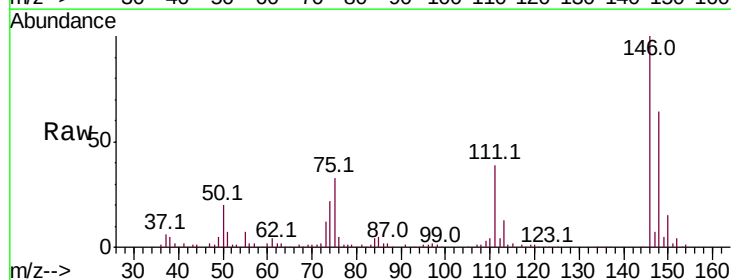
Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion:146 Resp: 110600

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.2	31.6	95.0

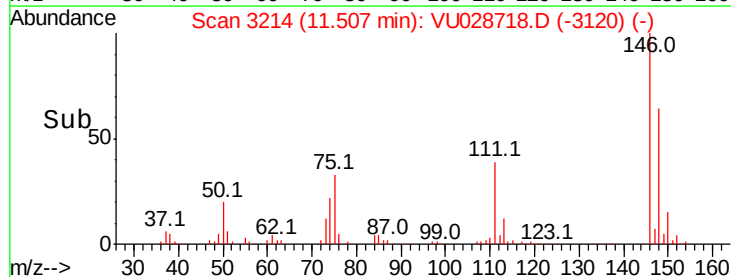
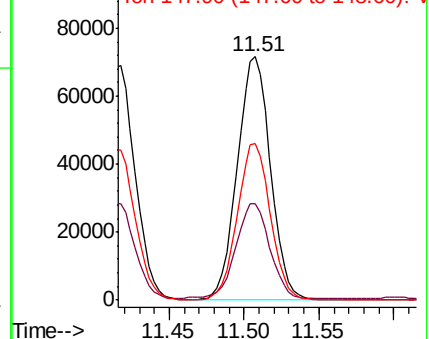


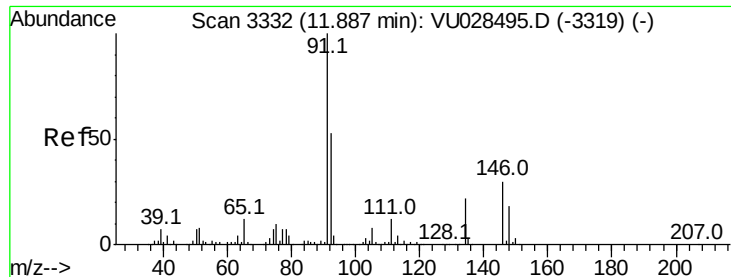
Abundance

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

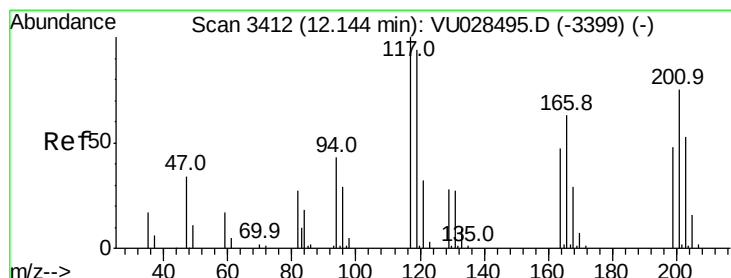
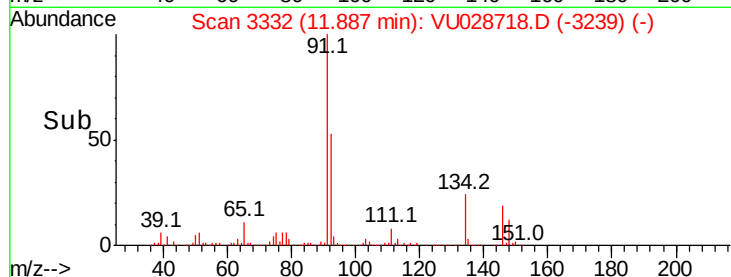
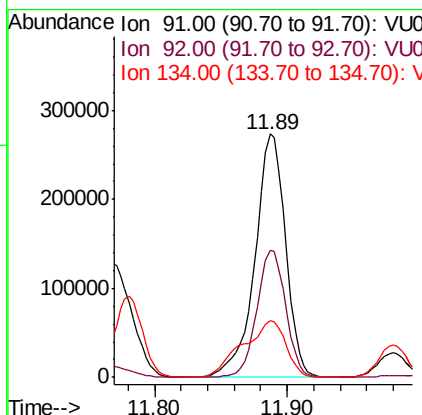
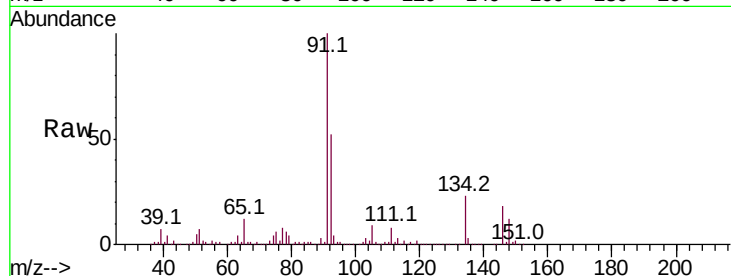




#89
n-Butylbenzene
Concen: 97.412 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

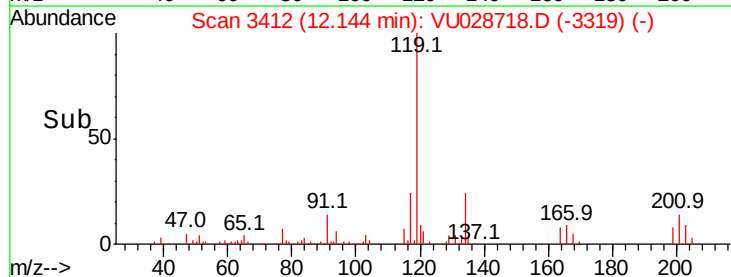
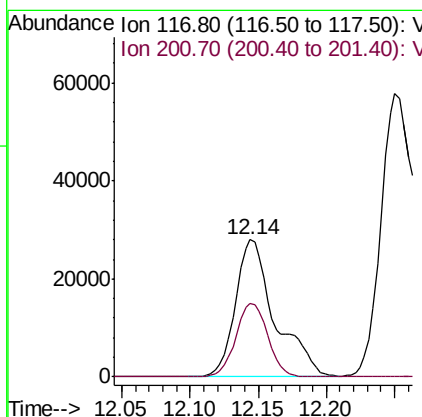
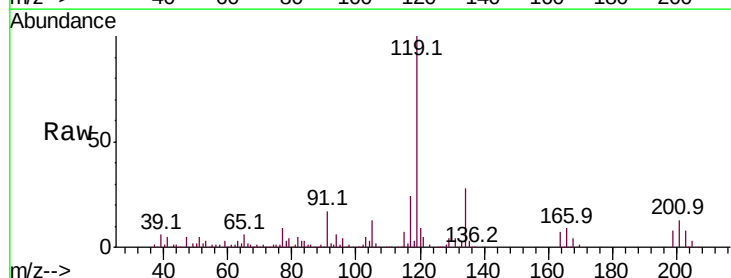
Instrument :
MSVOA_U
ClientSampleId :

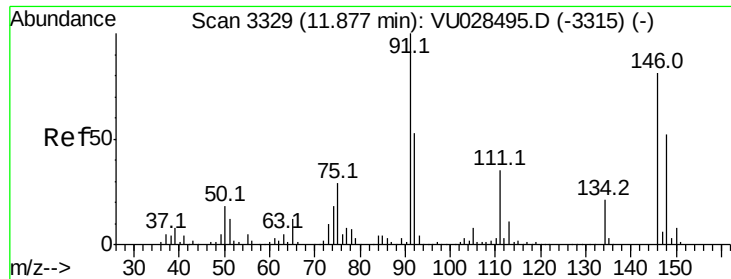
Tot Ion: 91 Resp: 437436
Ion Ratio Lower Upper
91 100
92 49.4 26.3 78.9
134 32.9 11.3 33.8



#90
Hexachloroethane
Concen: 84.177 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 117 Resp: 56454
Ion Ratio Lower Upper
117 100
201 43.1 38.1 114.5

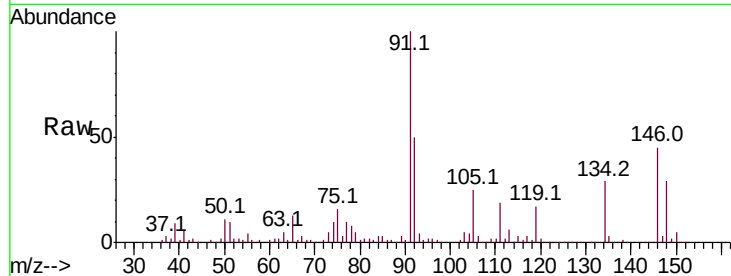




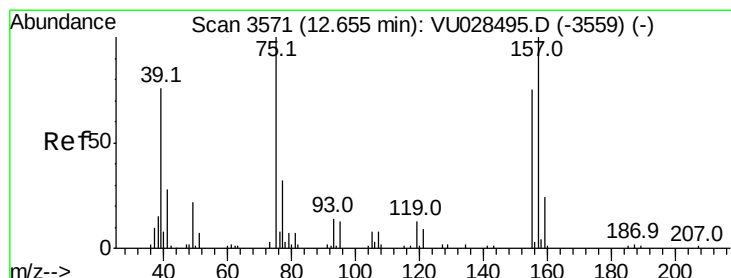
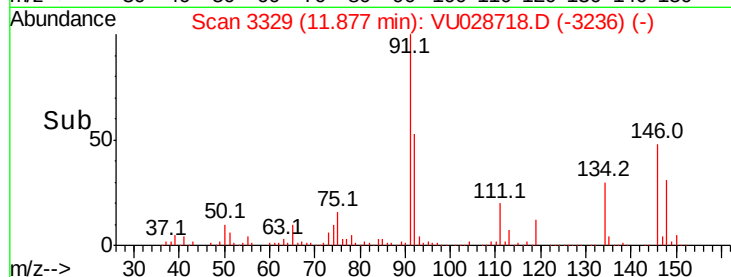
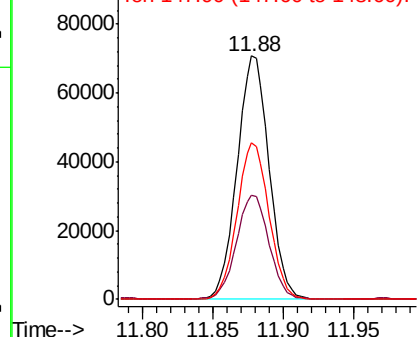
#91
 1,2-Dichlorobenzene
 Concen: 49.943 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.0	31.4	94.2

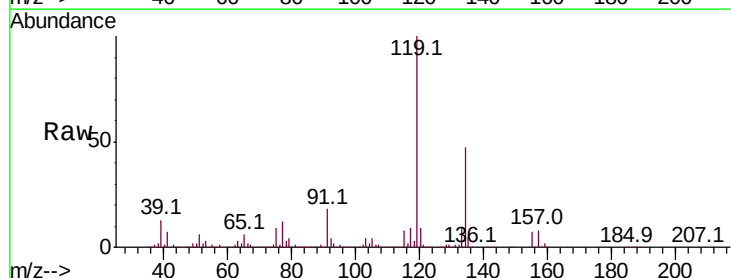


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

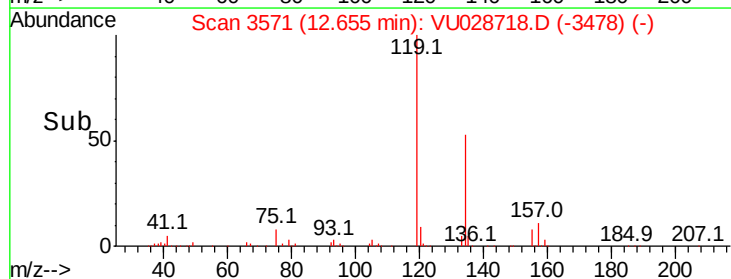
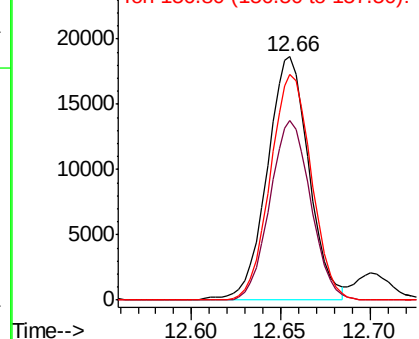


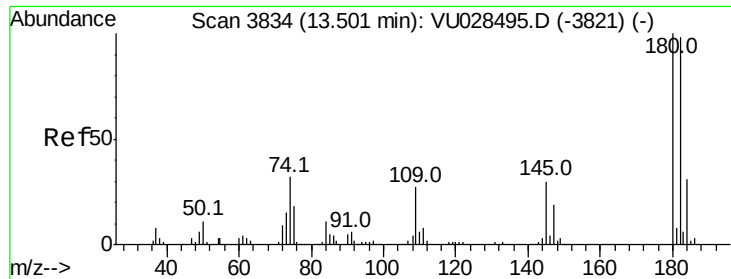
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.900 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	38.1	114.5
157	91.4	48.7	146.1



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

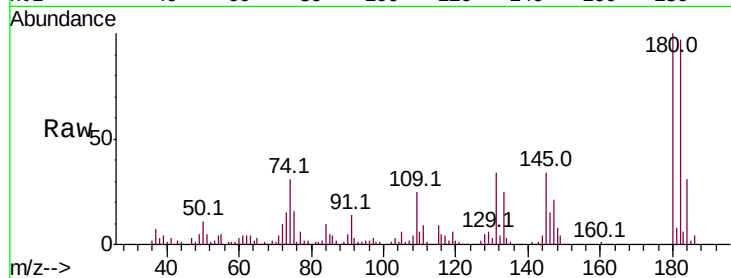




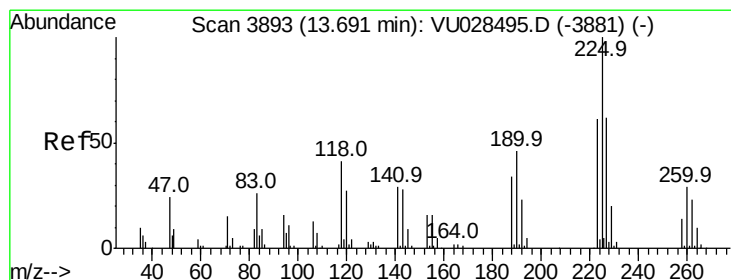
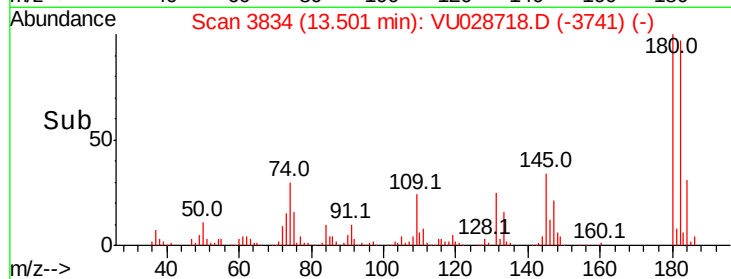
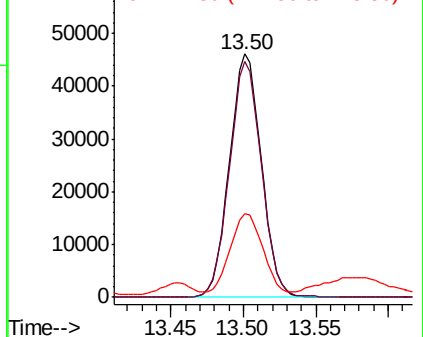
#93
 1,2,4-Trichlorobenzene
 Concen: 45.642 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 70488
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.9 143.8
 145 35.3 15.0 45.1

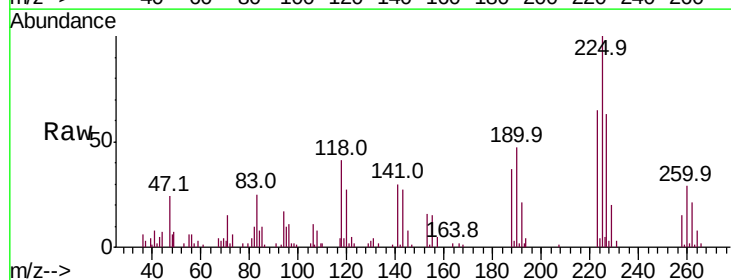


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

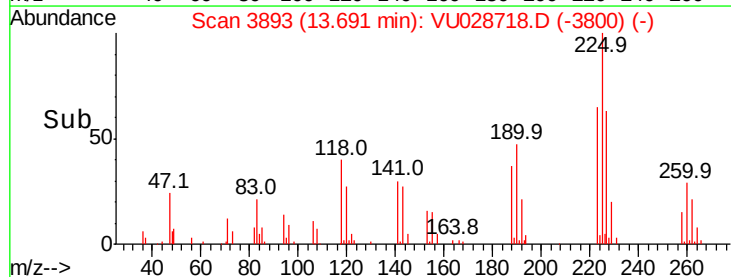
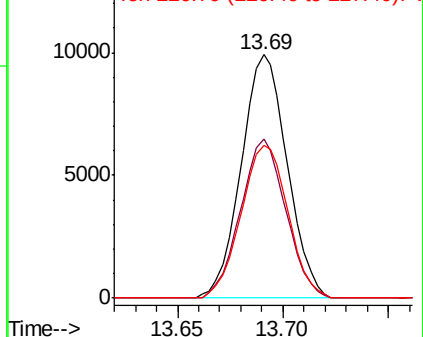


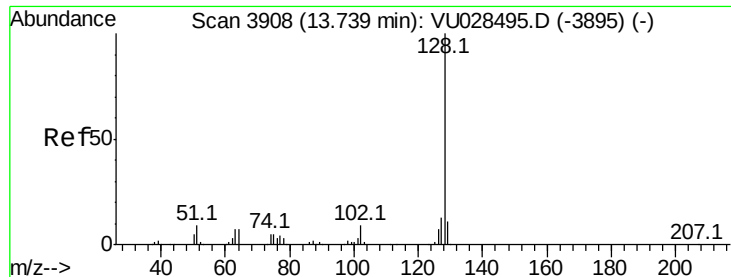
#94
 Hexachlorobutadiene
 Concen: 20.331 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion:225 Resp: 14992
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.4 91.2
 227 64.0 30.7 92.1



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

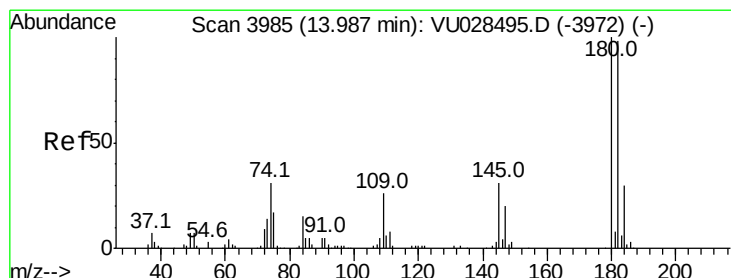
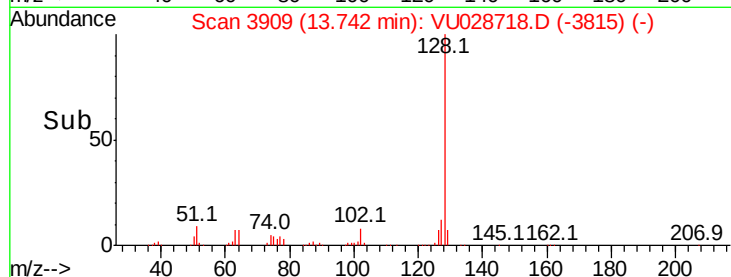
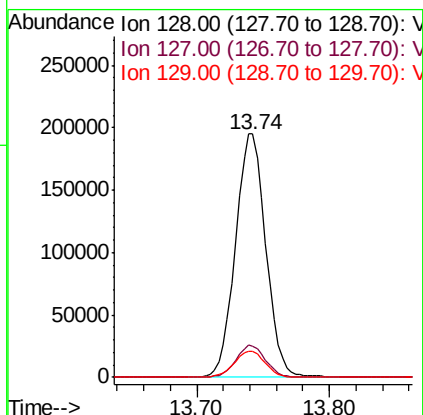
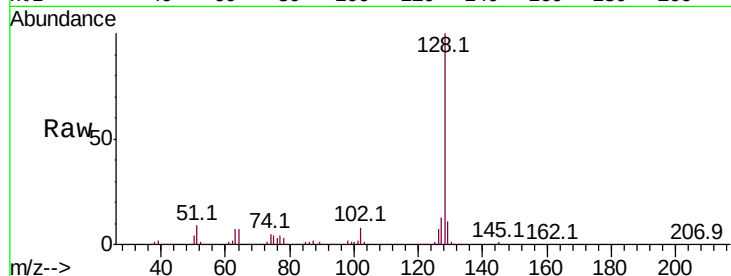




#95
Naphthalene
Concen: 57.272 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 309380
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.466 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion:180 Resp: 74610
Ion Ratio Lower Upper
180 100
182 95.2 48.2 144.6
145 35.8 15.8 47.3

