

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028709.D
 Acq On : 17 Dec 2018 10:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:05:07 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	81435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	135665	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	62854	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	4.88	113	47074	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	7.56	98	181921	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	10.30	95	67473	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54003	49.475	ug/l	99
3) Chloromethane	1.33	50	81417	40.572	ug/l	99
4) Vinyl Chloride	1.40	62	69315	47.863	ug/l	100
5) Bromomethane	1.62	94	25303	43.374	ug/l	99
6) Chloroethane	1.69	64	40750	49.703	ug/l	97
7) Trichlorofluoromethane	1.88	101	76427	50.160	ug/l	98
8) Diethyl Ether	2.10	74	32571	45.691	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	45305	49.717	ug/l	100
10) Methyl Iodide	2.41	142	38439	53.759	ug/l	99
11) Tert butyl alcohol	2.82	59	60750	219.409	ug/l	100
12) 1,1-Dichloroethene	2.28	96	42272	46.623	ug/l	96
13) Acrolein	2.19	56	50049	226.747	ug/l	97
14) Allyl chloride	2.59	41	98983	46.148	ug/l	98
15) Acrylonitrile	2.93	53	187577	244.016	ug/l	99
16) Acetone	2.32	43	192102	236.884	ug/l	98
17) Carbon Disulfide	2.48	76	153806	47.088	ug/l	100
18) Methyl Acetate	2.61	43	107536	51.154	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	168247	48.950	ug/l	99
20) Methylene Chloride	2.70	84	54628	45.696	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	48357	47.369	ug/l	95
22) Diisopropyl ether	3.57	45	208689	50.032	ug/l	99
23) Vinyl Acetate	3.52	43	844866	245.563	ug/l	99
24) 1,1-Dichloroethane	3.44	63	106300	48.685	ug/l	98
25) 2-Butanone	4.26	43	268744	242.495	ug/l	99
26) 2,2-Dichloropropane	4.22	77	84397	48.783	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	57631	49.878	ug/l	98
28) Bromochloromethane	4.55	49	52802	53.197	ug/l	99
29) Tetrahydrofuran	4.63	42	173549	243.831	ug/l	99
30) Chloroform	4.67	83	96186	50.545	ug/l	95
31) Cyclohexane	4.99	56	103316	48.452	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	78220	49.491	ug/l	100
36) 1,1-Dichloropropene	5.13	75	76262	51.370	ug/l	100
37) Ethyl Acetate	4.38	43	97170	50.633	ug/l	100
38) Carbon Tetrachloride	5.13	117	65193	54.484	ug/l	99

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 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)
39) Methylcyclohexane	6.41	83	89832	49.600	ug/l	96
40) Benzene	5.39	78	227790	52.098	ug/l	98
41) Methacrylonitrile	4.54	41	55891	53.180	ug/l	97
42) 1,2-Dichloroethane	5.40	62	80207	52.406	ug/l	99
43) Isopropyl Acetate	5.55	43	155944	51.374	ug/l	100
44) Trichloroethene	6.18	130	50571	52.018	ug/l	96
45) 1,2-Dichloropropane	6.43	63	65423	53.209	ug/l	98
46) Dibromomethane	6.56	93	38093	52.216	ug/l	99
47) Bromodichloromethane	6.76	83	77052	54.277	ug/l	98
48) Methyl methacrylate	6.62	41	78495	52.000	ug/l	99
49) 1,4-Dioxane	6.61	88	25541	1071.574	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	496208	259.186	ug/l	99
52) Toluene	7.64	92	132269	51.402	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	90294	53.405	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	98268	53.572	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	54215	53.299	ug/l	97
56) Ethyl methacrylate	8.02	69	90936	52.206	ug/l	99
57) 1,3-Dichloropropane	8.24	76	98571	52.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	239564	268.513	ug/l	100
59) 2-Hexanone	8.36	43	387625	255.447	ug/l	100
60) Dibromochloromethane	8.48	129	55956	56.188	ug/l	99
61) 1,2-Dibromoethane	8.58	107	57189	53.614	ug/l	99
64) Tetrachloroethene	8.23	164	43352	50.897	ug/l	98
65) Chlorobenzene	9.12	112	141756	52.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49649	57.138	ug/l	98
67) Ethyl Benzene	9.25	91	257730	51.523	ug/l	99
68) m/p-Xylenes	9.37	106	189058	103.868	ug/l	98
69) o-Xylene	9.78	106	92725	52.421	ug/l	98
70) Styrene	9.79	104	154031	52.619	ug/l	99
71) Bromoform	9.96	173	45522	61.584	ug/l #	100
73) Isopropylbenzene	10.16	105	244813	50.791	ug/l	100
74) N-amyl acetate	10.01	43	135578	48.763	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	96994	52.384	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	115075	71.743	ug/l	82
77) Bromobenzene	10.45	156	58511	51.905	ug/l	98
78) n-propylbenzene	10.58	91	309670	51.704	ug/l	100
79) 2-Chlorotoluene	10.66	91	179857	52.133	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	208255	52.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	115075	175.068	ug/l #	100
82) 4-Chlorotoluene	10.77	91	208914	51.101	ug/l	100
83) tert-Butylbenzene	11.10	119	202077	52.546	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	215494	52.408	ug/l	100
85) sec-Butylbenzene	11.32	105	254186	51.450	ug/l	99
86) p-Isopropyltoluene	11.48	119	215456	51.339	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	109449	51.418	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	112977	51.300	ug/l	99
89) n-Butylbenzene	11.89	91	217798	51.279	ug/l	99
90) Hexachloroethane	12.14	117	39379	62.080	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	109143	51.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21528	53.704	ug/l	97

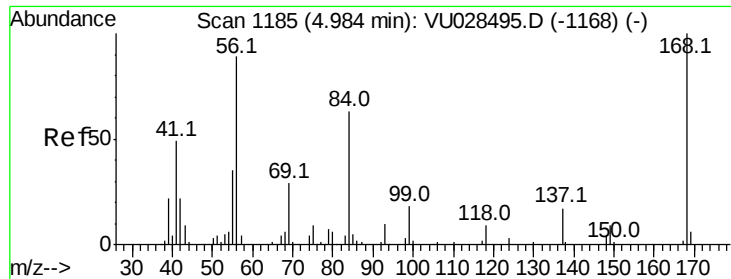
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	74537	50.928	ug/l	98
94) Hexachlorobutadiene	13.69	225	34523	49.499	ug/l	96
95) Naphthalene	13.74	128	250521	49.033	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76860	52.774	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: VU028709.D

Acq: 17 Dec 2018 10:17

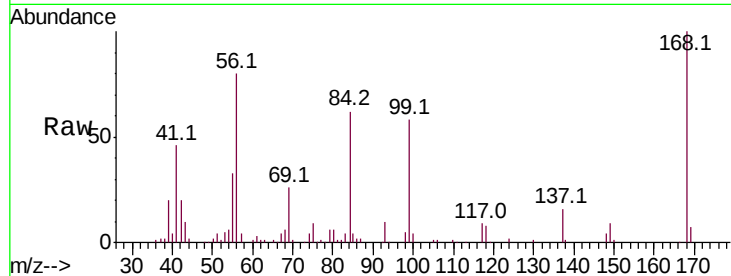
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 81435

Ion Ratio Lower Upper

168 100

99 57.3 46.6 69.8



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

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

4.98

40000

30000

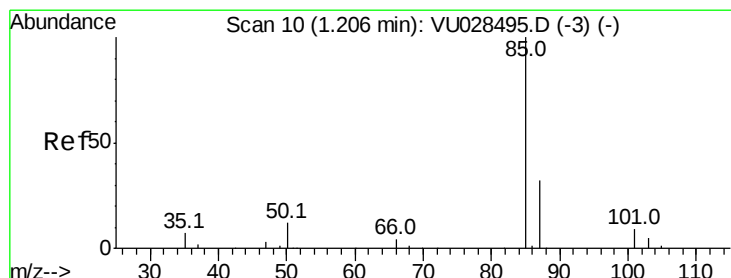
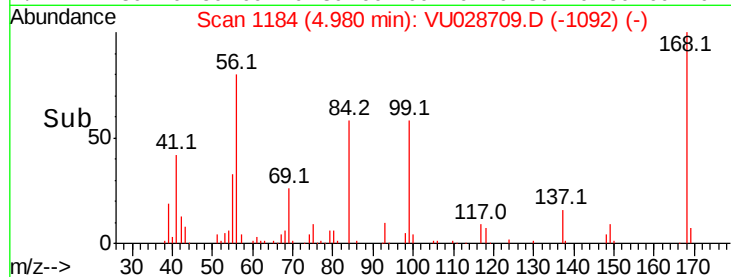
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.475 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028709.D

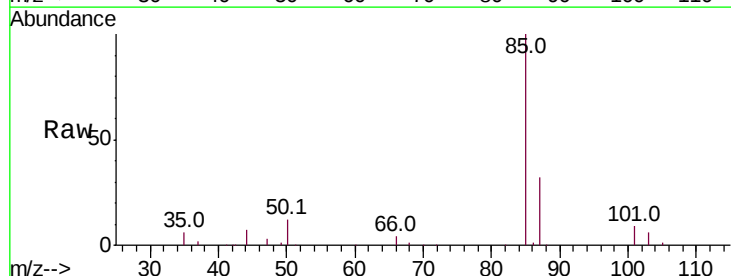
Acq: 17 Dec 2018 10:17

Tgt Ion: 85 Resp: 54003

Ion Ratio Lower Upper

85 100

87 32.1 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

60000

50000

40000

30000

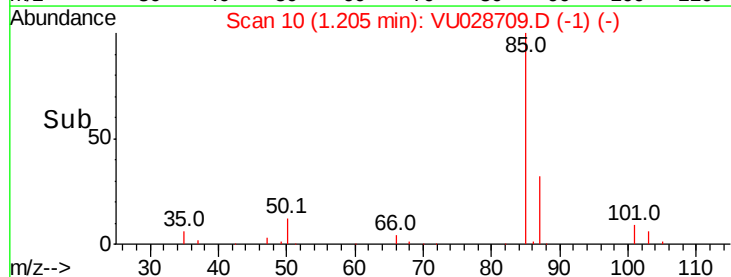
20000

10000

0

1.15 1.20 1.25

Time-->

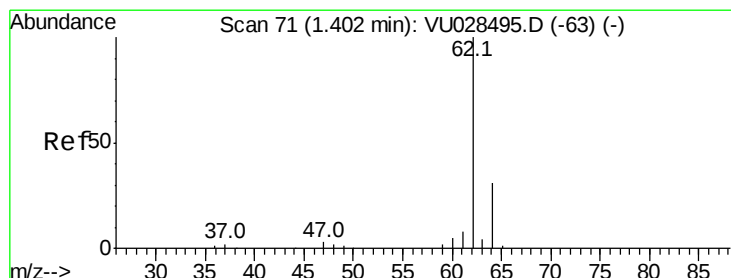
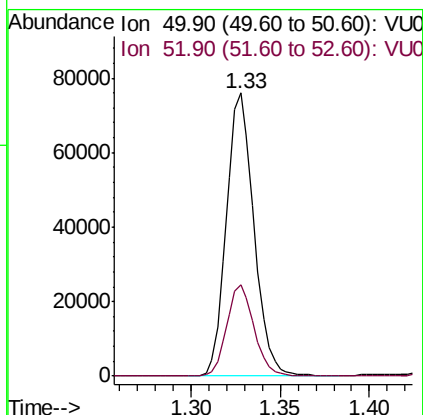
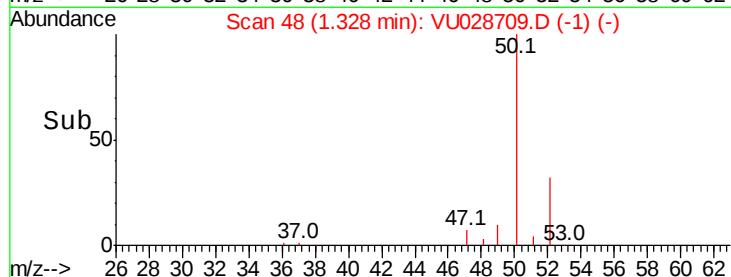
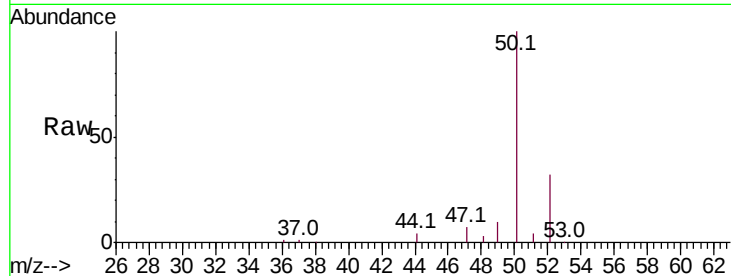




#3
Chloromethane
Concen: 40.572 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

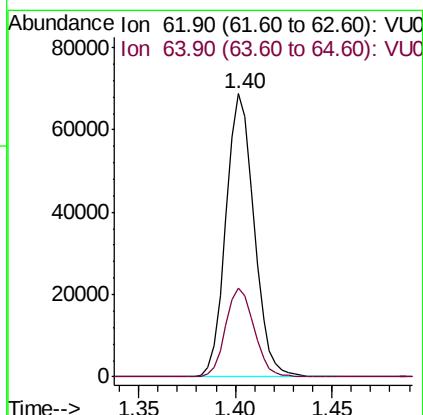
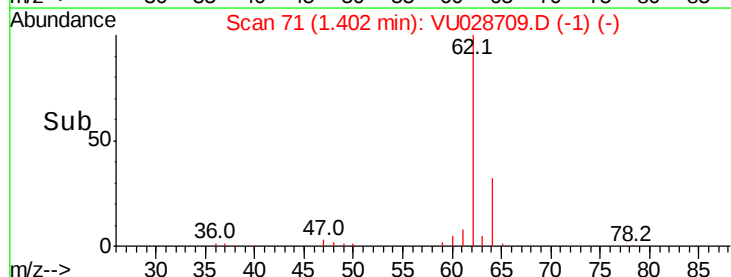
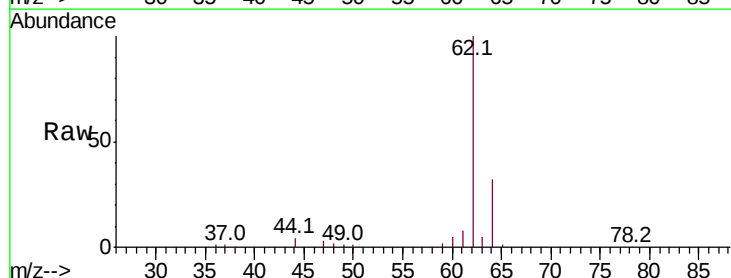
Instrument :
MSVOA_U
ClientSampleId :

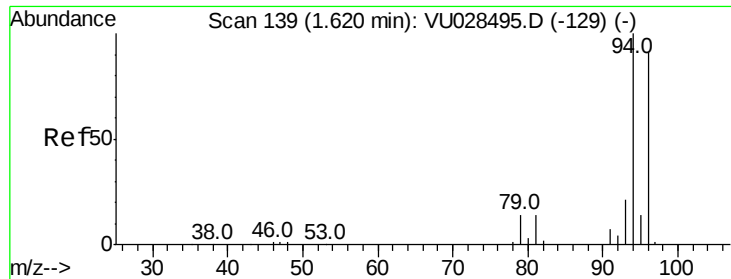
Tot Ion: 50 Resp: 81417
Ion Ratio Lower Upper
50 100
52 32.4 25.5 38.3



#4
Vinyl Chloride
Concen: 47.863 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 62 Resp: 69315
Ion Ratio Lower Upper
62 100
64 31.5 25.1 37.7





#5

Bromomethane

Concen: 43.374 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

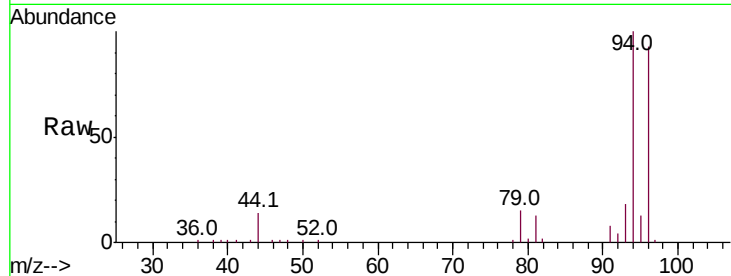
ClientSampleId :

Tot Ion: 94 Resp: 25303

Ion Ratio Lower Upper

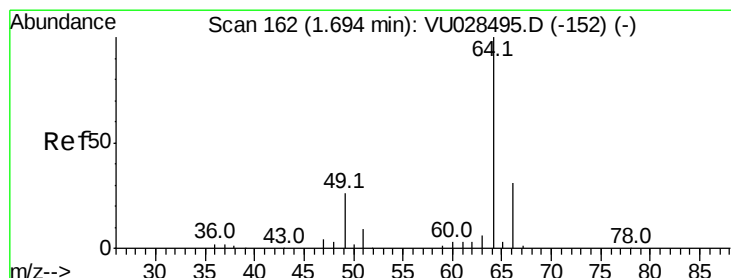
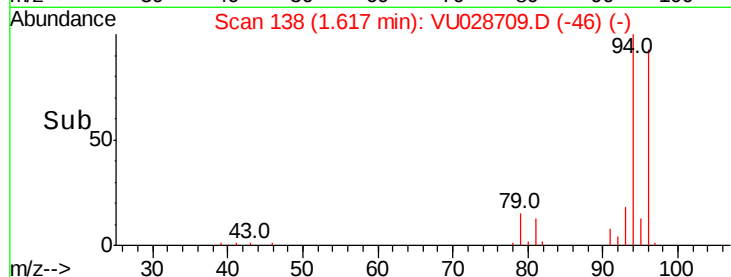
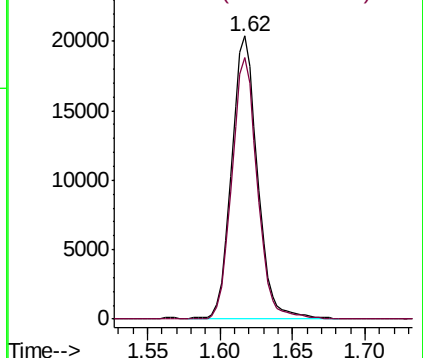
94 100

96 92.5 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: 49.703 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028709.D

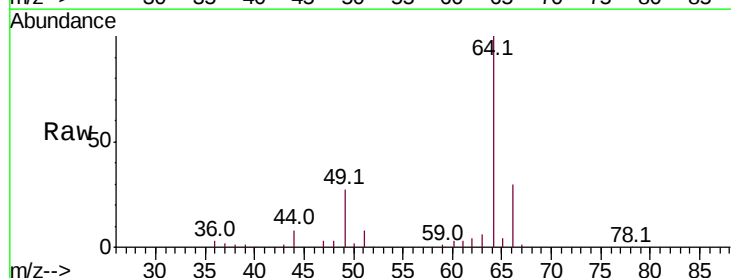
Acq: 17 Dec 2018 10:17

Tgt Ion: 64 Resp: 40750

Ion Ratio Lower Upper

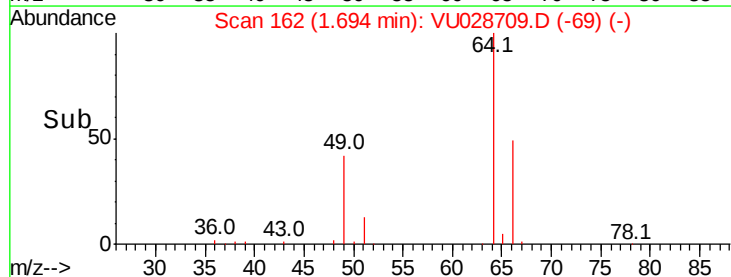
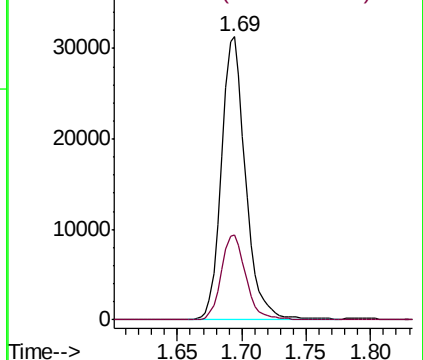
64 100

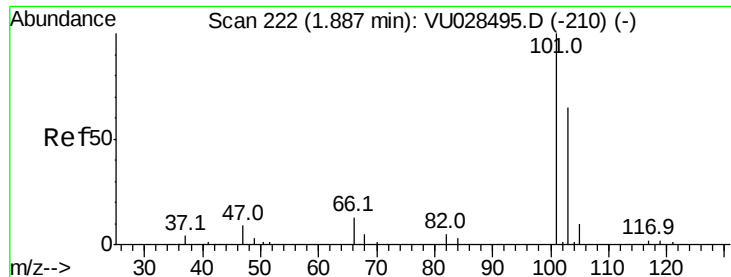
66 29.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



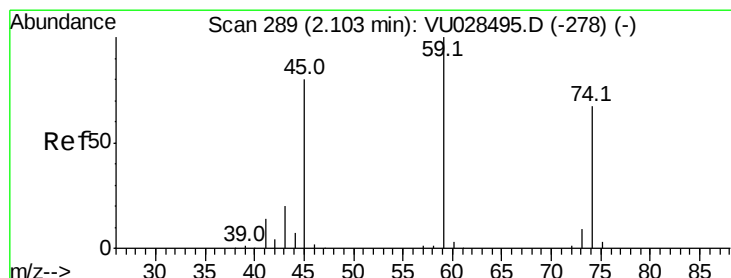
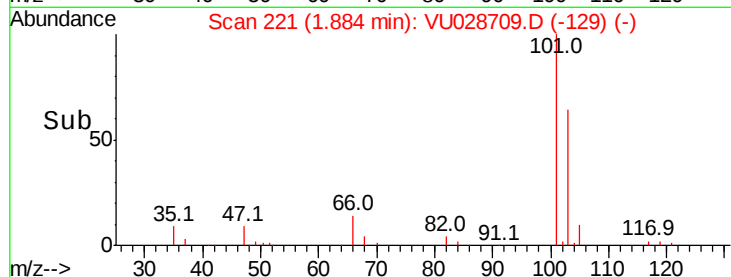
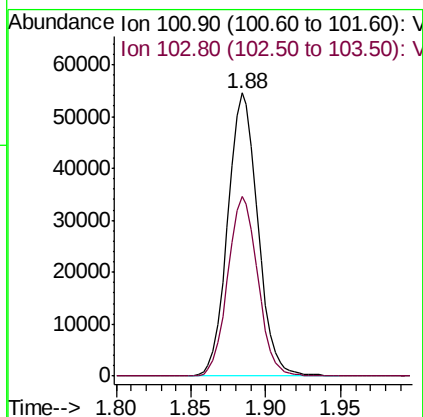
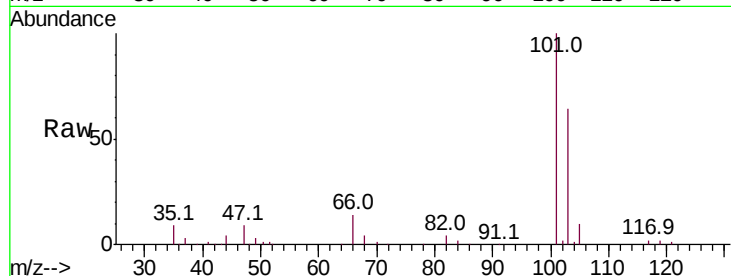


#7

Trichlorofluoromethane
 Concen: 50.160 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Instrument :
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 ClientSampleId :

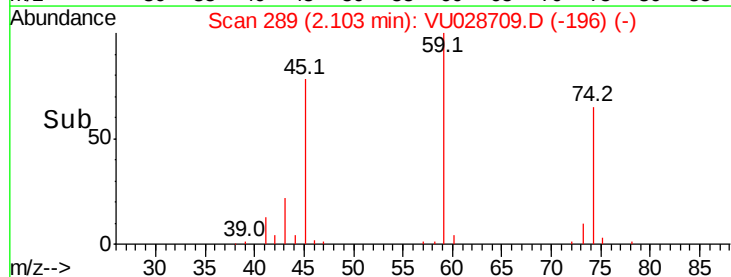
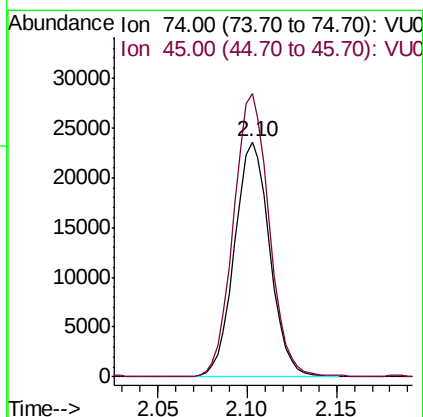
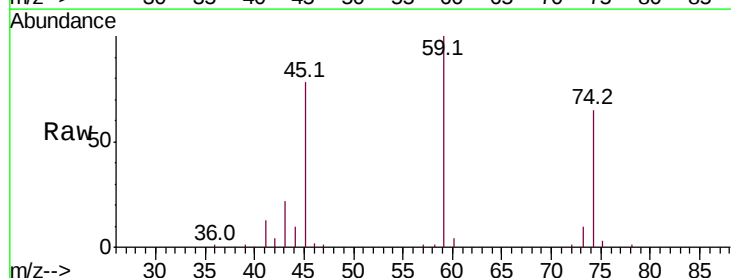
Tot Ion:101 Resp: 76427
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.3 78.5

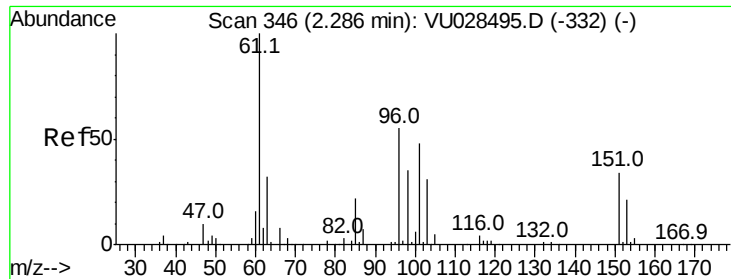


#8

Diethyl Ether
 Concen: 45.691 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion: 74 Resp: 32571
 Ion Ratio Lower Upper
 74 100
 45 122.2 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.717 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

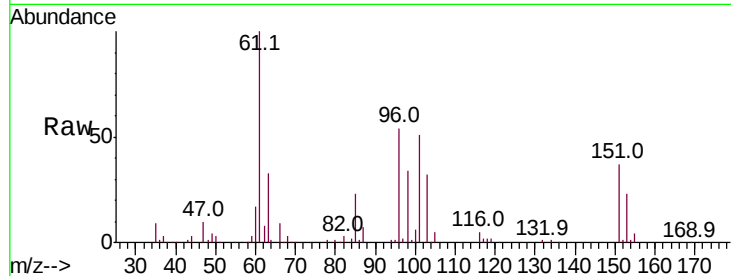
Tot Ion:101 Resp: 45305

Ion Ratio Lower Upper

101 100

85 45.4 36.4 54.6

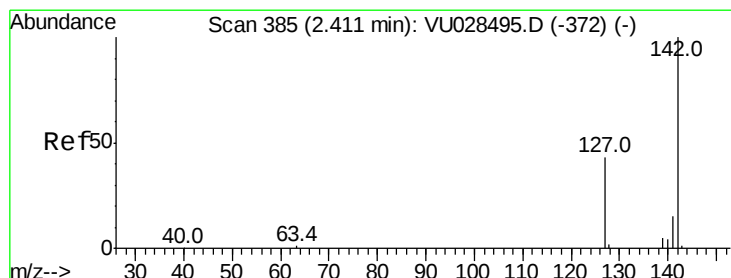
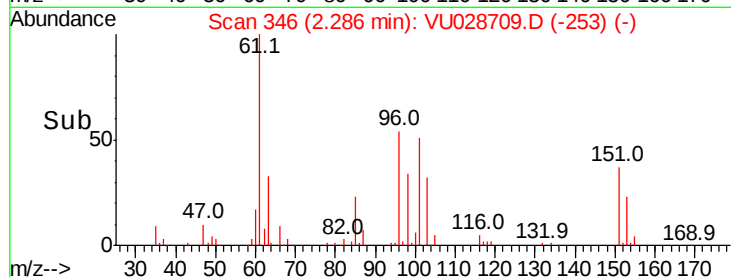
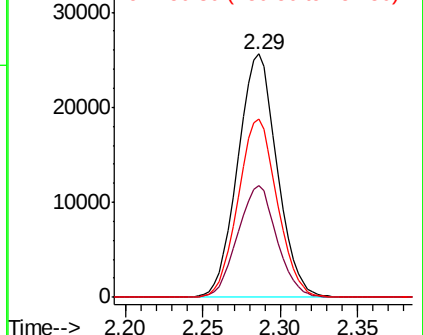
151 73.0 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.759 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

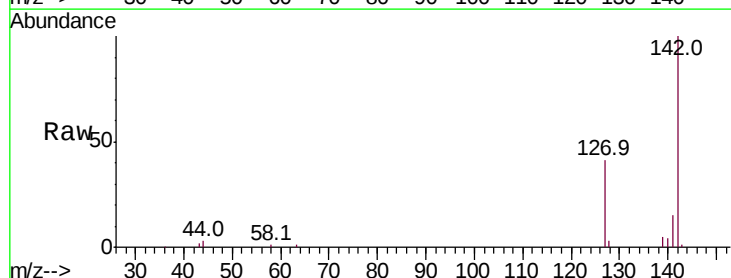
Tgt Ion:142 Resp: 38439

Ion Ratio Lower Upper

142 100

127 41.0 33.5 50.3

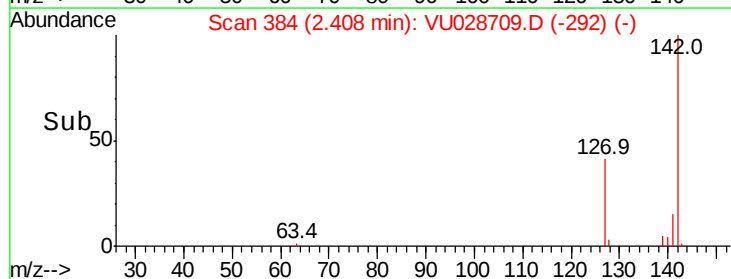
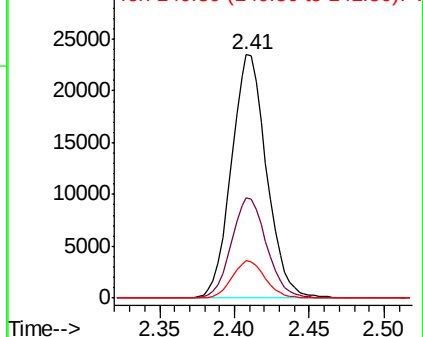
141 14.3 11.2 16.8



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



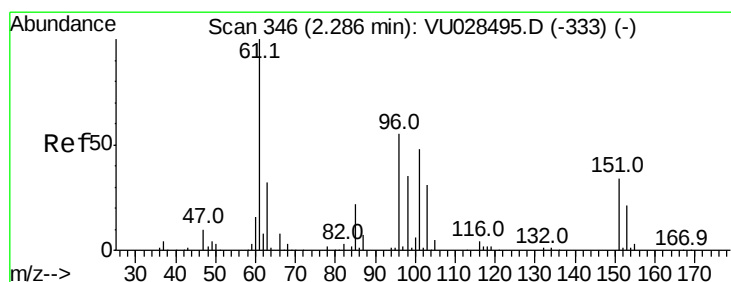
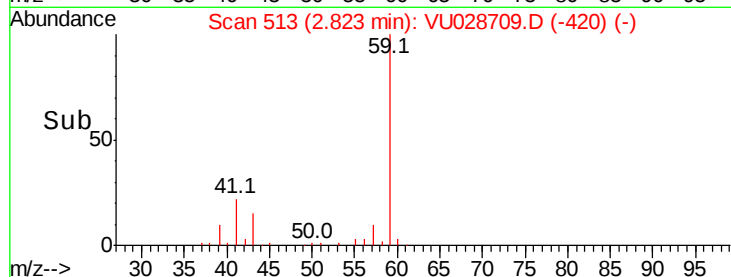
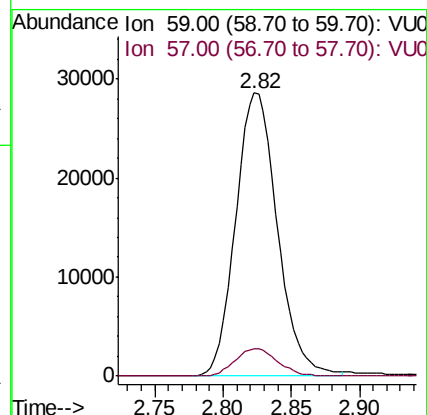
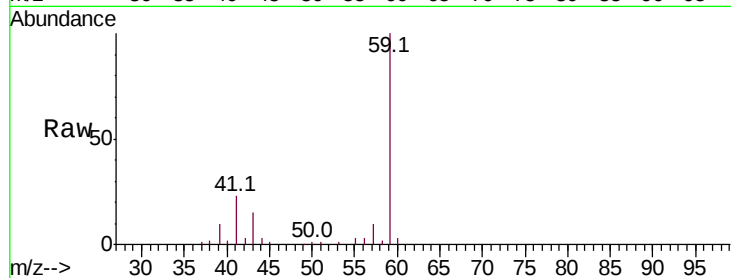


#11

Tert butyl alcohol
 Concen: 219.409 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Instrument :
 MSVOA_U
 ClientSampleId :

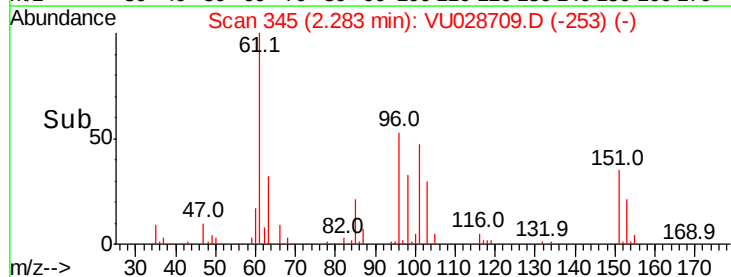
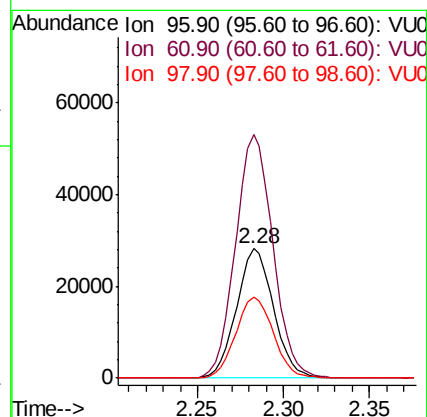
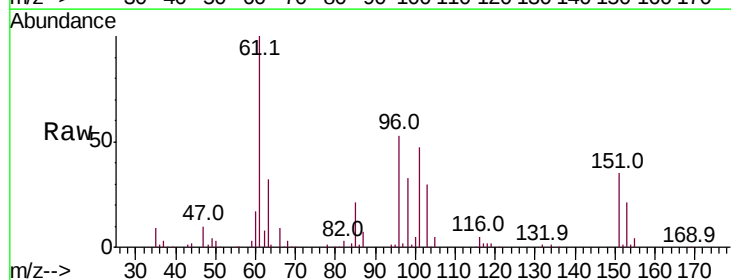
Tot Ion: 59 Resp: 60750
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.0 12.0

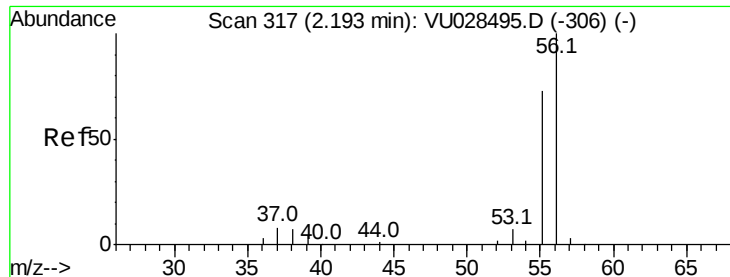


#12

1,1-Dichloroethene
 Concen: 46.623 ug/l
 RT: 2.28 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion: 96 Resp: 42272
 Ion Ratio Lower Upper
 96 100
 61 188.6 146.4 219.6
 98 62.4 51.8 77.8





#13

Acrolein

Concen: 226.747 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

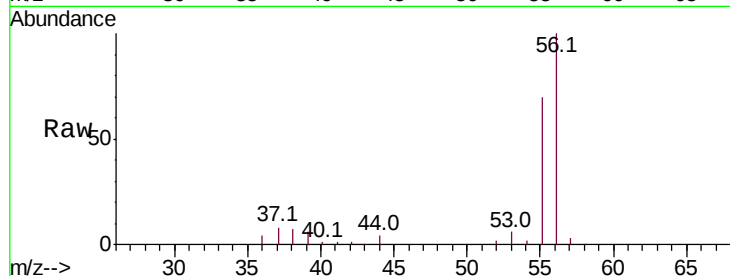
ClientSampleId :

Tot Ion: 56 Resp: 50049

Ion Ratio Lower Upper

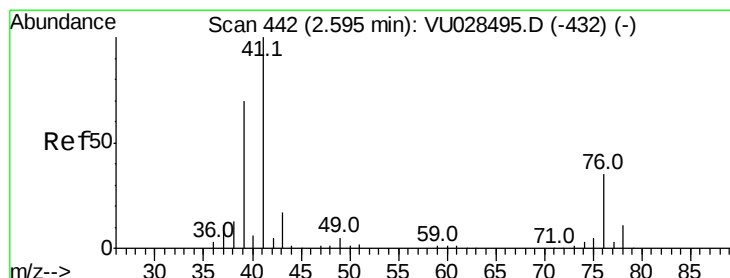
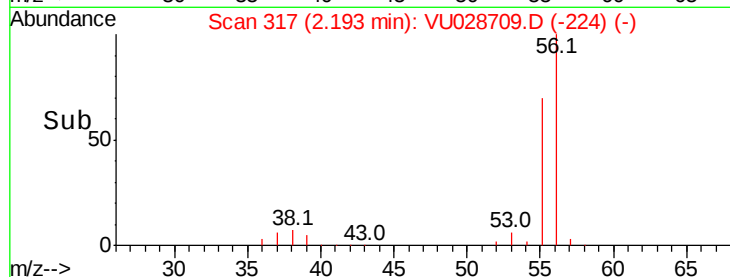
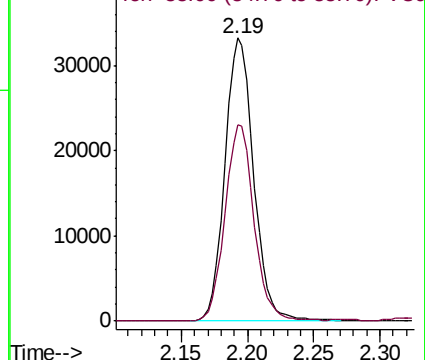
56 100

55 69.8 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 46.148 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

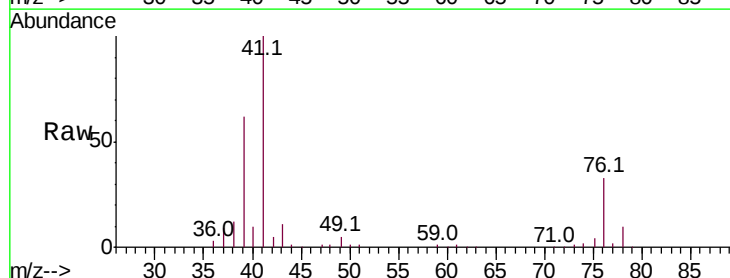
Tgt Ion: 41 Resp: 98983

Ion Ratio Lower Upper

41 100

39 62.3 50.8 76.2

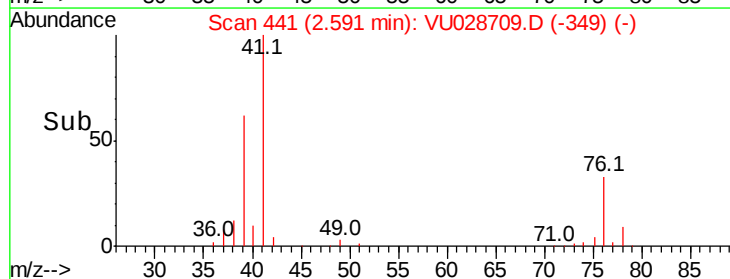
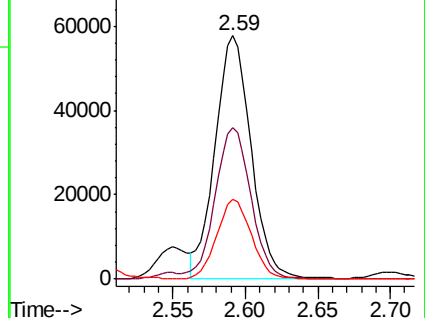
76 31.8 24.8 37.2

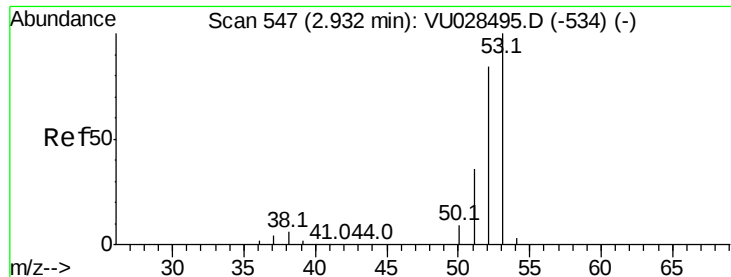


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 244.016 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :

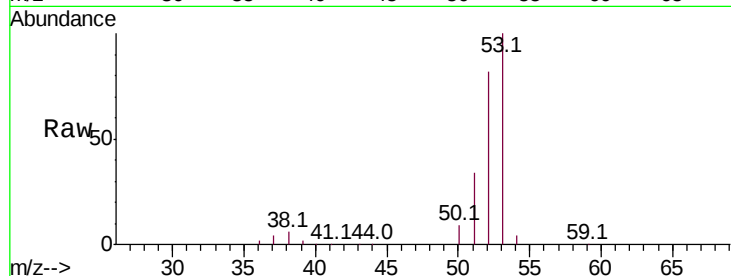
Tot Ion: 53 Resp: 187577

Ion Ratio Lower Upper

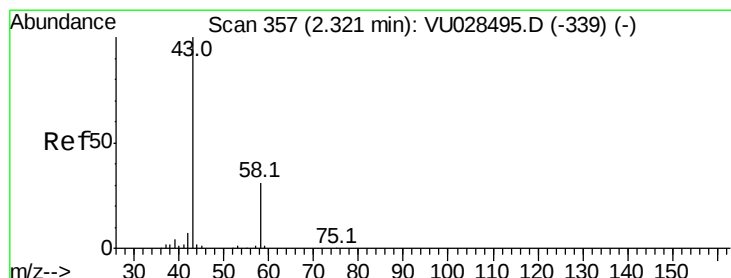
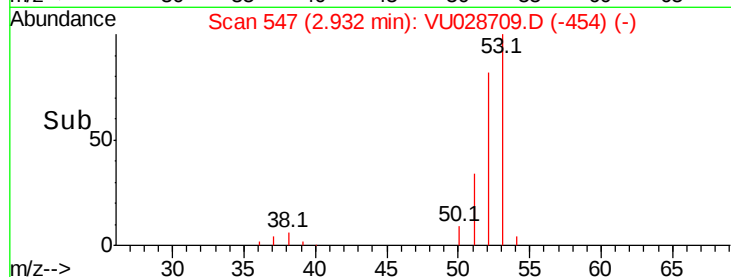
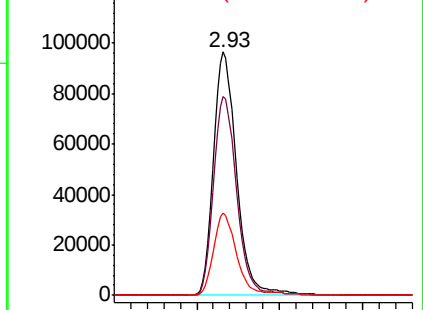
53 100

52 82.2 66.1 99.1

51 34.3 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: 236.884 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028709.D

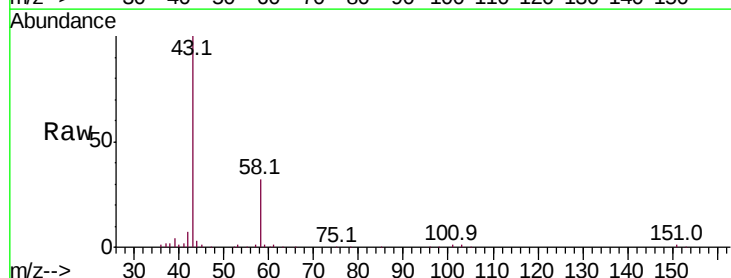
Acq: 17 Dec 2018 10:17

Tgt Ion: 43 Resp: 192102

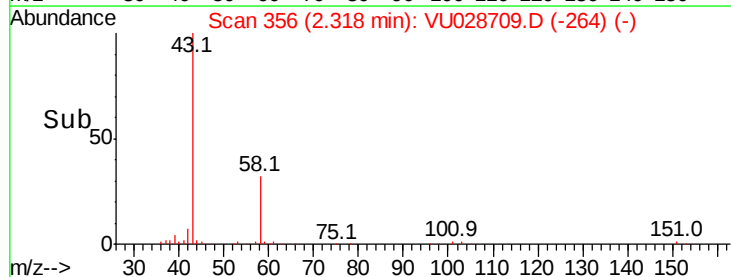
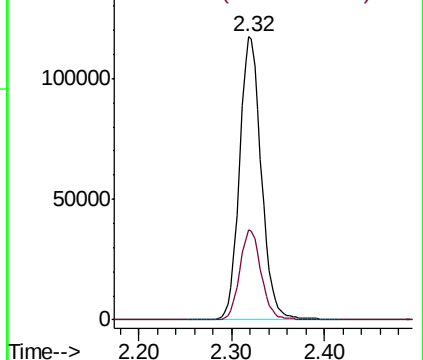
Ion Ratio Lower Upper

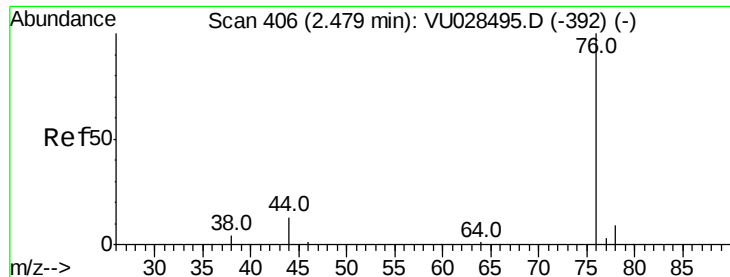
43 100

58 31.6 24.6 37.0



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

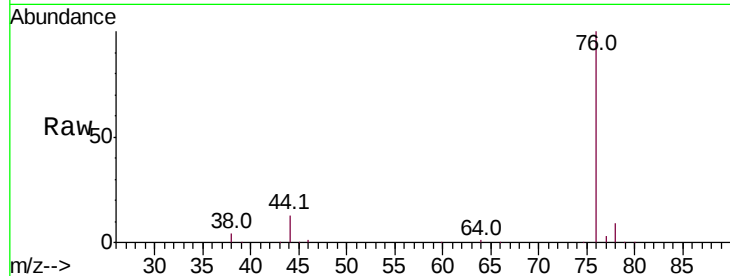




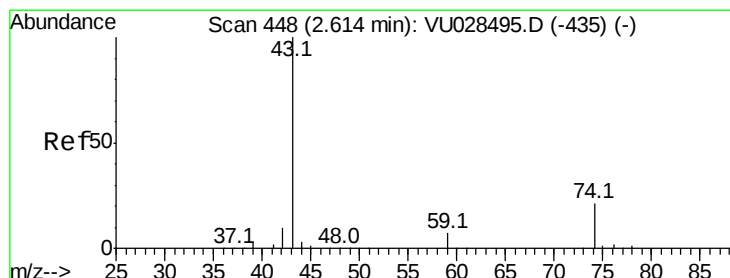
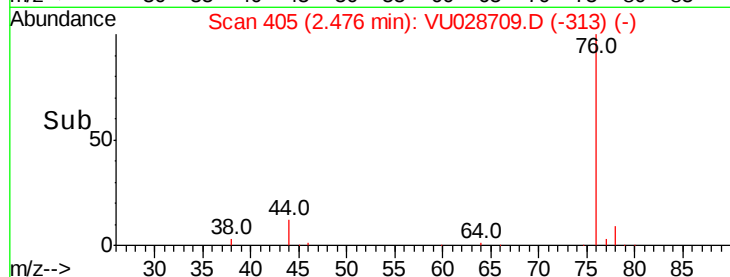
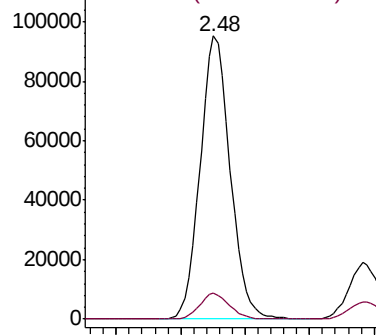
#17
Carbon Disulfide
Concen: 47.088 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 153806
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

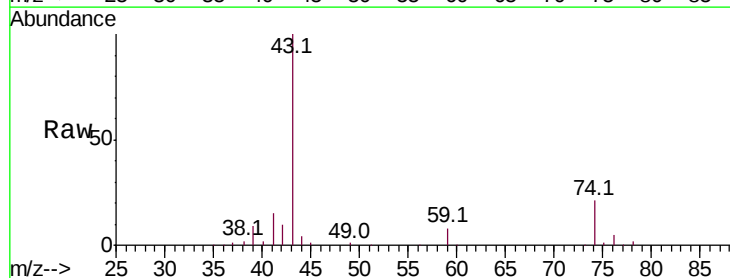


Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

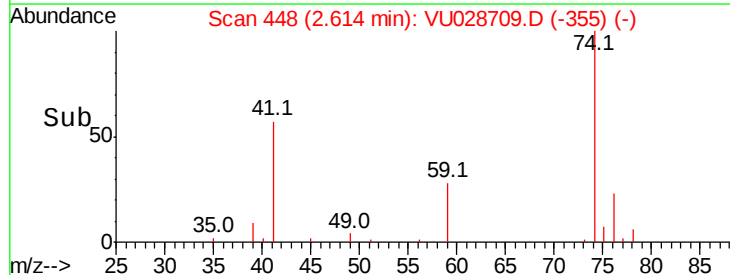
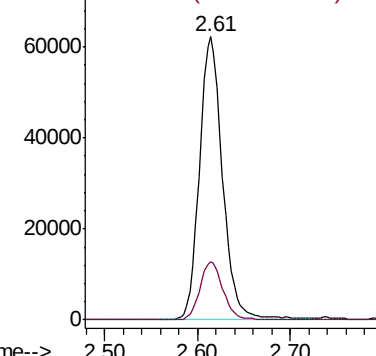


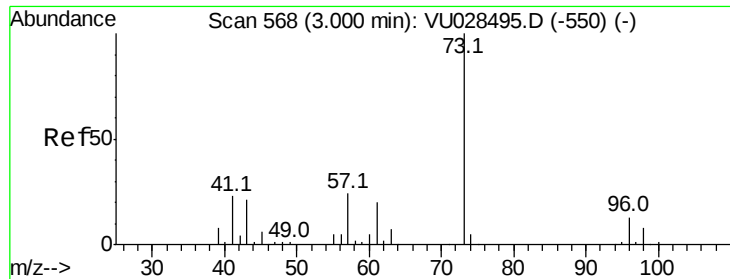
#18
Methyl Acetate
Concen: 51.154 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 43 Resp: 107536
Ion Ratio Lower Upper
43 100
74 20.4 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

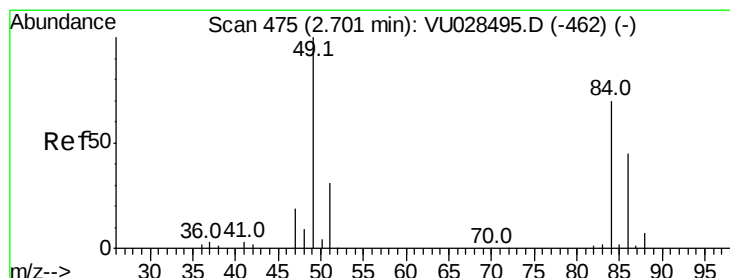
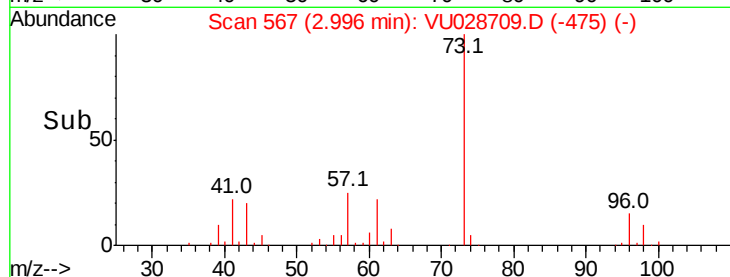
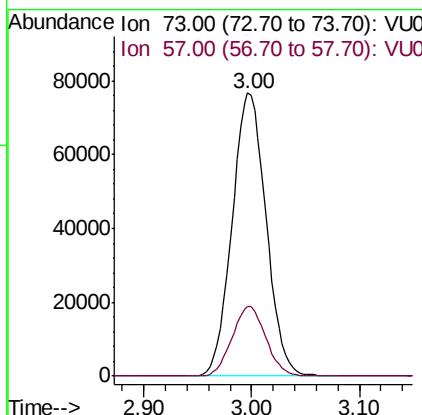
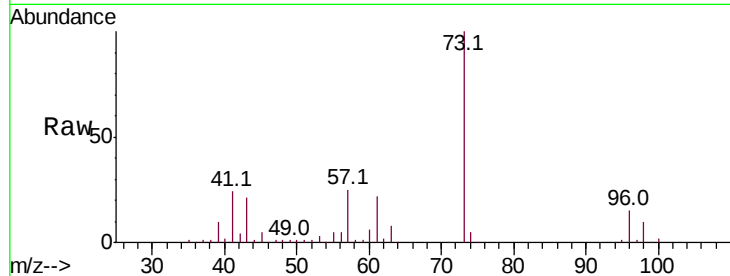




#19
Methvl tert-butvl Ether
Concen: 48.950 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

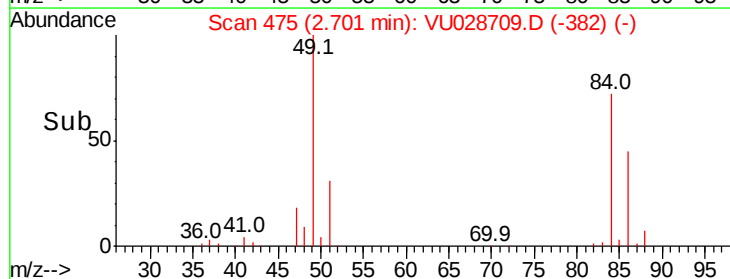
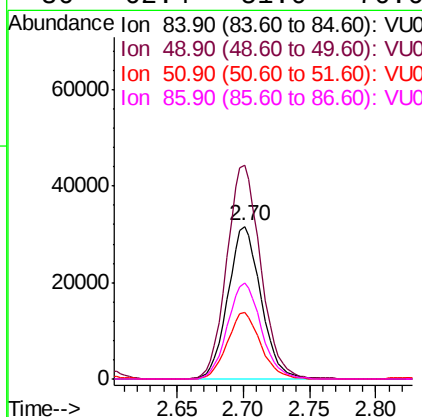
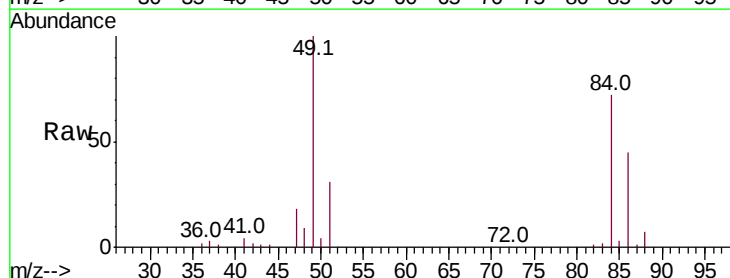
Instrument :
MSVOA_U
ClientSampleId :

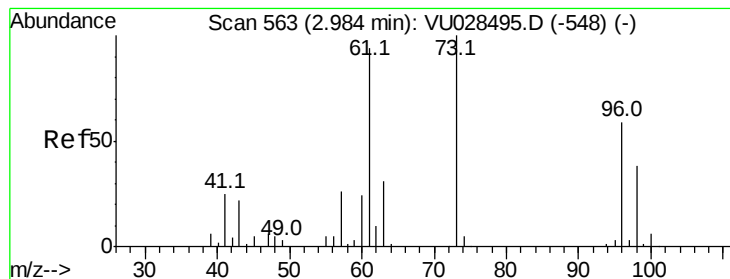
Tot Ion: 73 Resp: 168247
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.2



#20
Methylene Chloride
Concen: 45.696 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 84 Resp: 54628
Ion Ratio Lower Upper
84 100
49 139.7 114.0 171.0
51 43.7 35.1 52.7
86 62.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.369 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

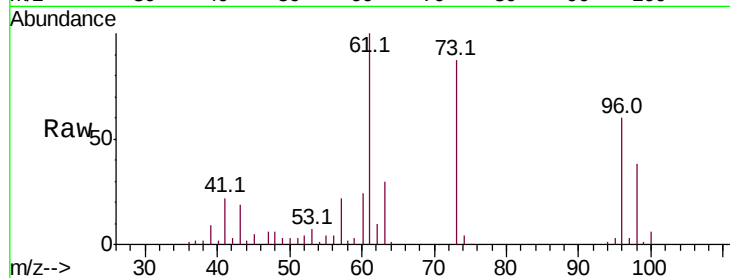
Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 48357

Ion	Ratio	Lower	Upper
96	100		
61	167.6	127.0	190.4
98	64.0	51.9	77.9

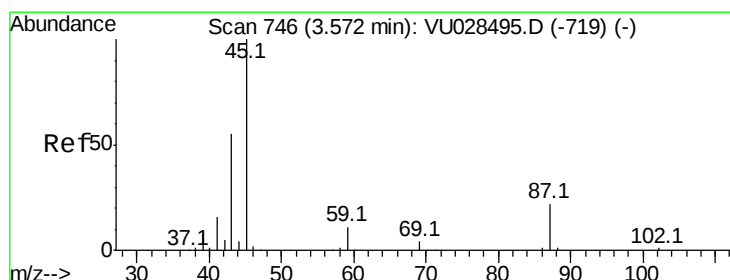
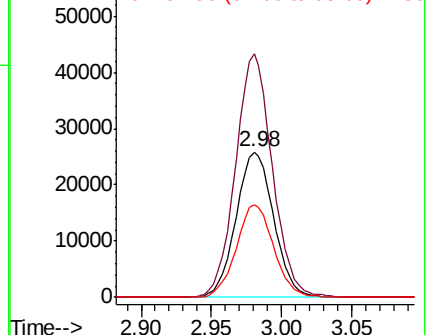
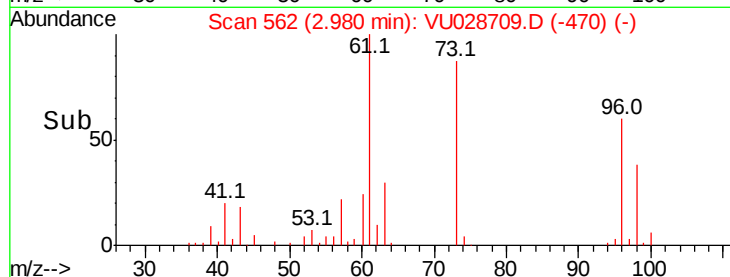


Abundance

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: 50.032 ug/l

RT: 3.57 min Scan# 745

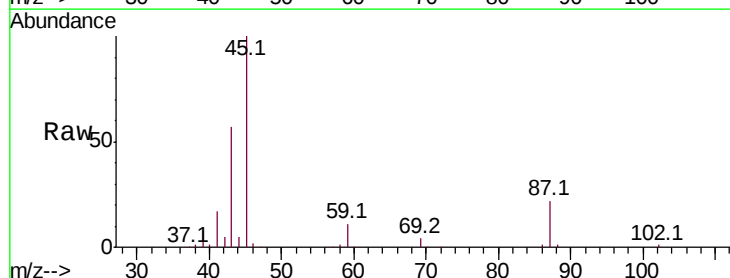
Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Tgt Ion: 45 Resp: 208689

Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.3	67.9
87	22.3	17.6	26.4
59	11.2	8.8	13.2



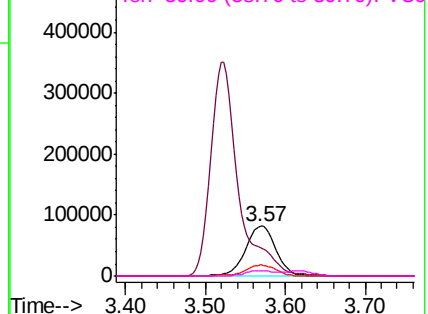
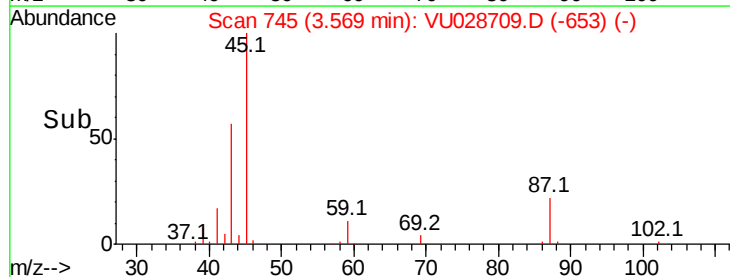
Abundance

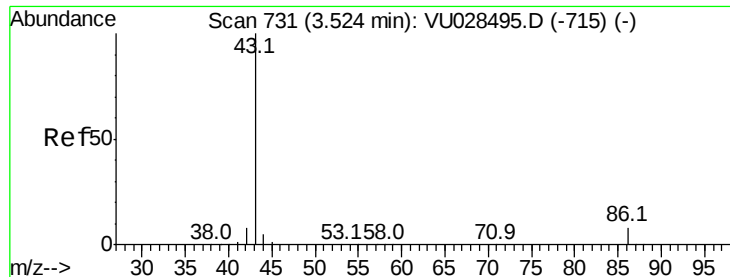
Ion 45.00 (44.70 to 45.70): VU0

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: 245.563 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

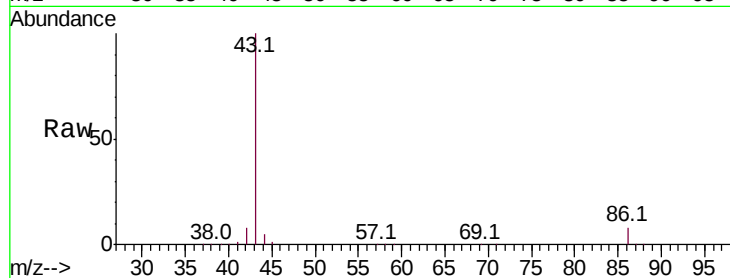
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 844866

Ion Ratio Lower Upper

43 100

86 8.3 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028709.D (-715) (-)

Ion 86.00 (85.70 to 86.70): VU028709.D (-715) (-)

3.52

400000

300000

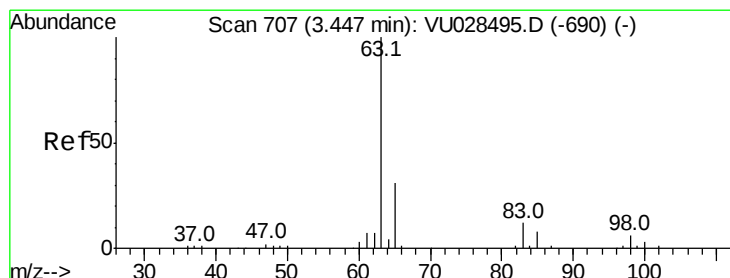
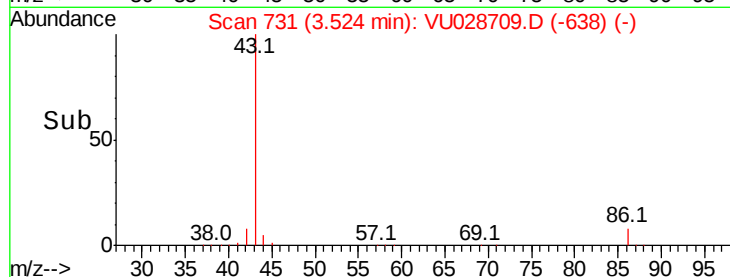
200000

100000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 48.685 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

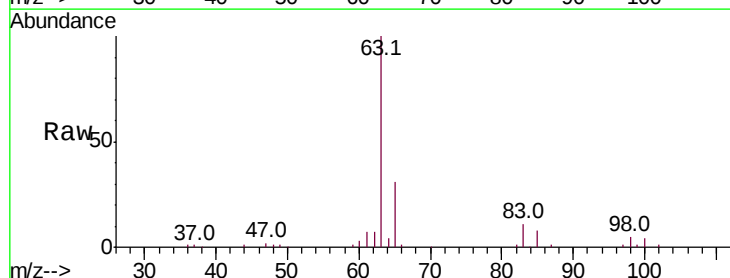
Tgt Ion: 63 Resp: 106300

Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.2

100 3.6 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028709.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028709.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028709.D (-614) (-)

3.44

60000

50000

40000

30000

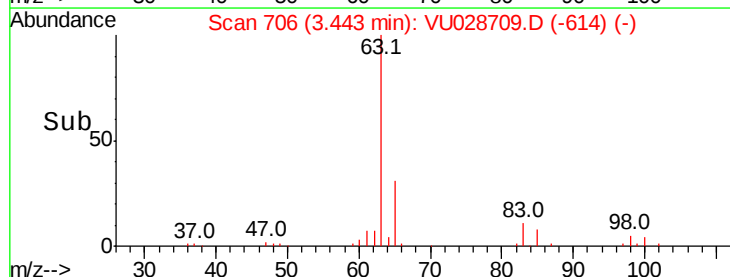
20000

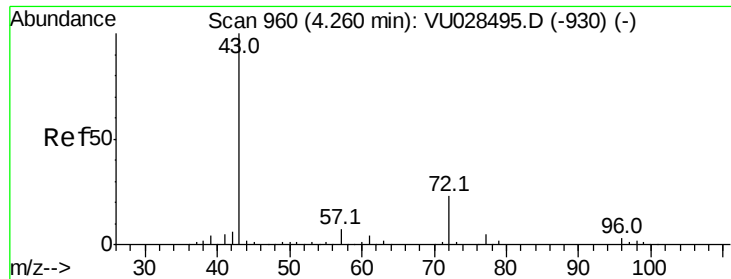
10000

0

Time-->

3.40 3.50





#25

2-Butanone

Concen: 242.495 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

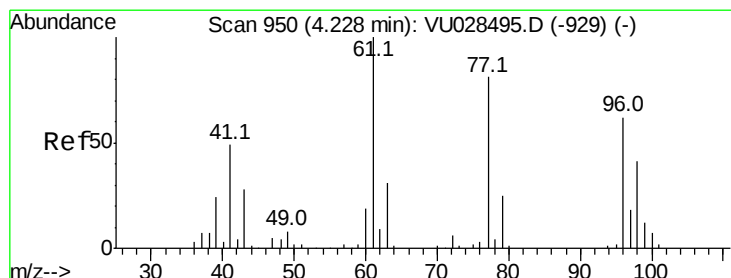
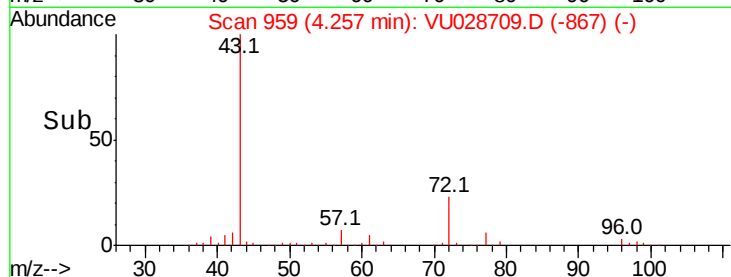
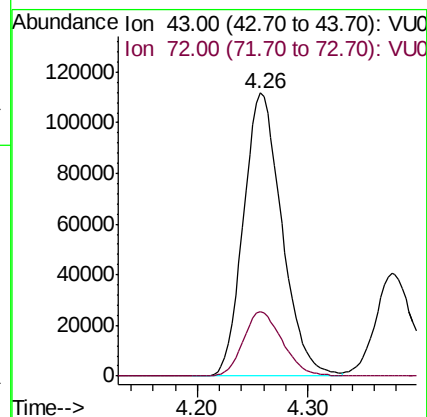
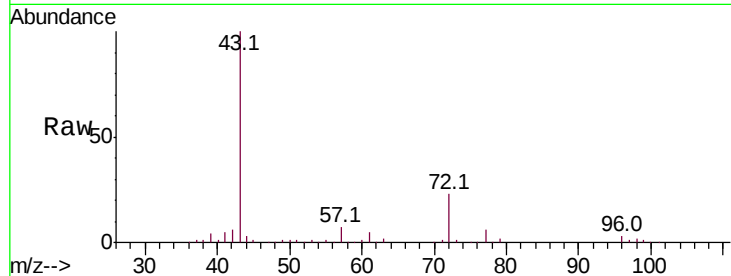
ClientSampleId :

Tot Ion: 43 Resp: 268744

Ion Ratio Lower Upper

43 100

72 23.0 18.6 28.0



#26

2,2-Dichloropropane

Concen: 48.783 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028709.D

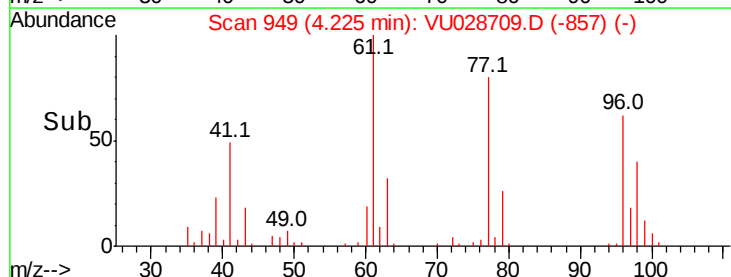
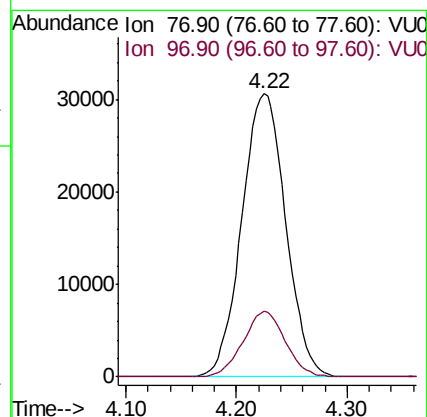
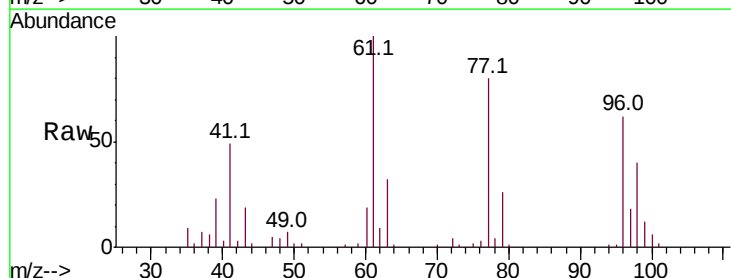
Acq: 17 Dec 2018 10:17

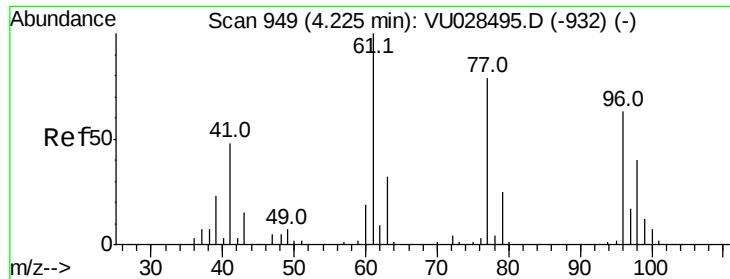
Tgt Ion: 77 Resp: 84397

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0

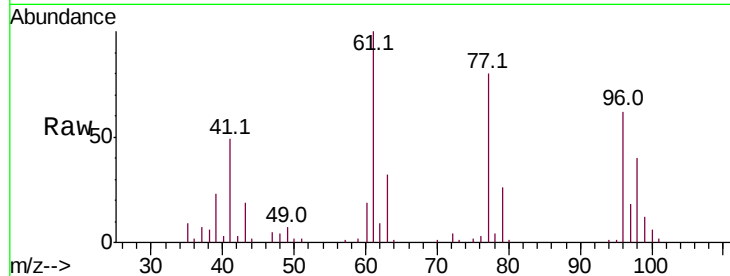




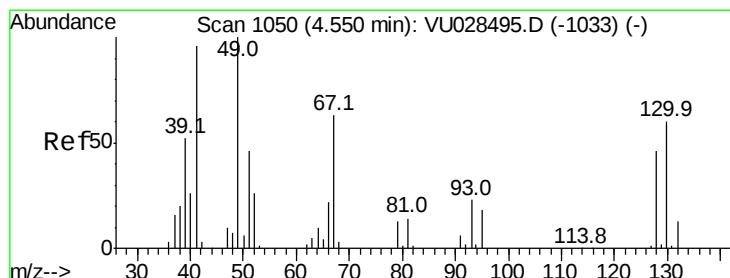
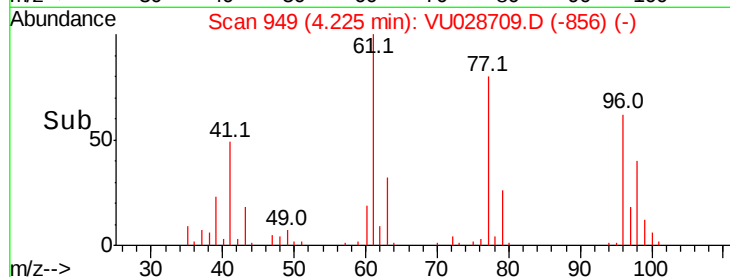
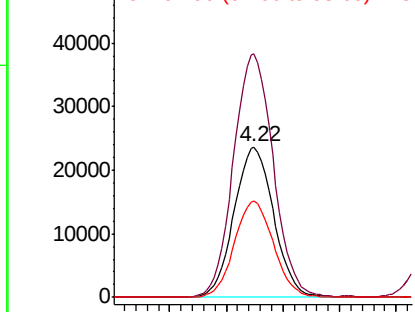
#27
 cis-1,2-Dichloroethene
 Concen: 49.878 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 57631
 Ion Ratio Lower Upper
 96 100
 61 162.7 0.0 332.4
 98 63.3 0.0 129.0

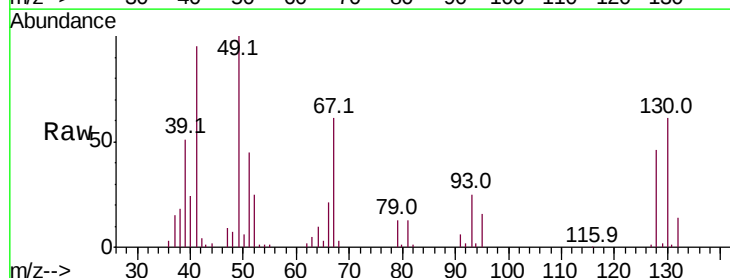


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

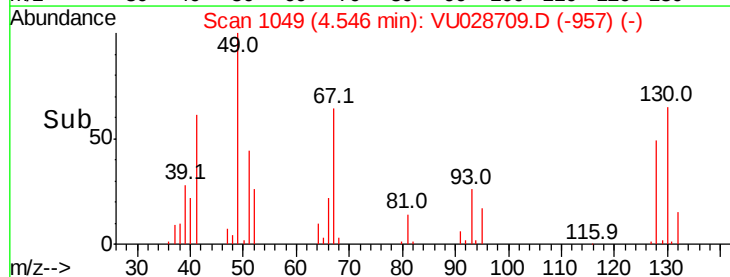
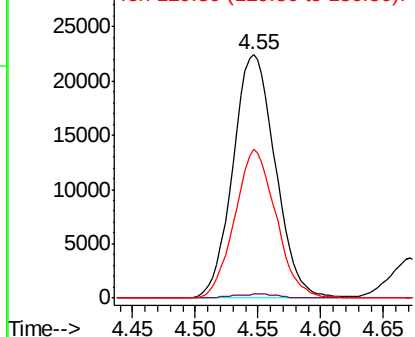


#28
 Bromochloromethane
 Concen: 53.197 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion: 49 Resp: 52802
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.0
 130 59.4 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: 243.831 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

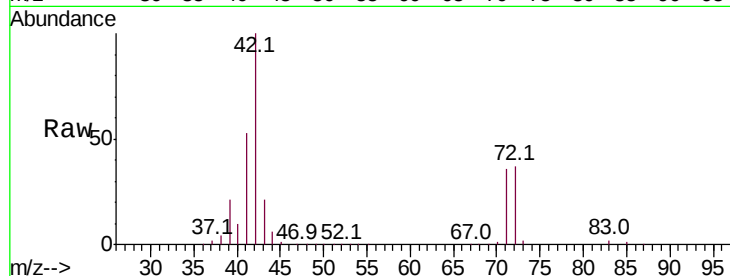
Tot Ion: 42 Resp: 173549

Ion Ratio Lower Upper

42 100

72 38.0 31.4 47.0

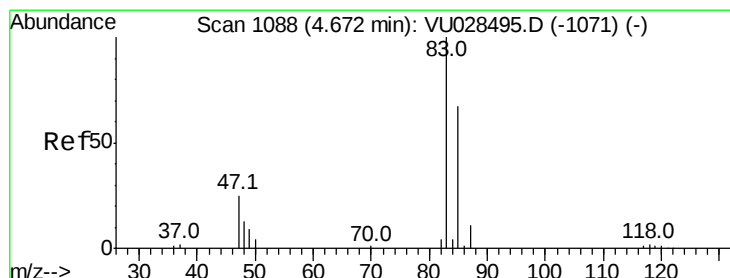
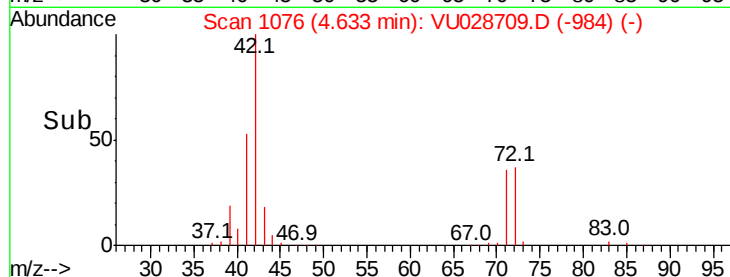
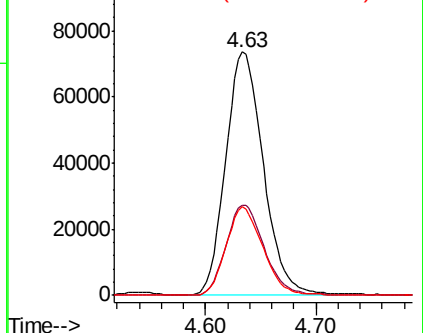
71 35.7 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU028709.D (-984) (-)

Ion 72.00 (71.70 to 72.70): VU028709.D (-984) (-)

Ion 71.00 (70.70 to 71.70): VU028709.D (-984) (-)



#30

Chloroform

Concen: 50.545 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028709.D

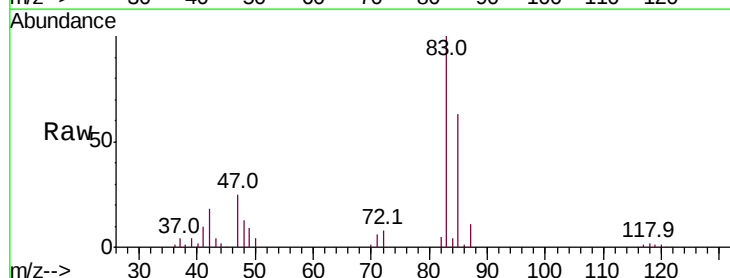
Acq: 17 Dec 2018 10:17

Tgt Ion: 83 Resp: 96186

Ion Ratio Lower Upper

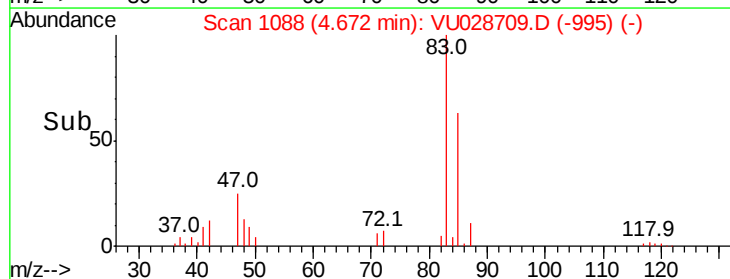
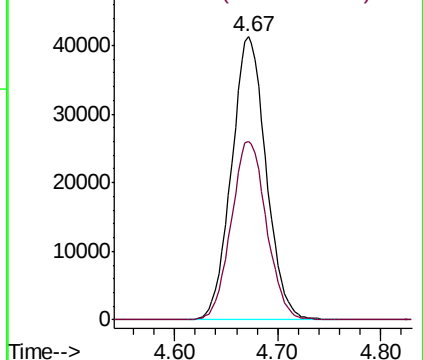
83 100

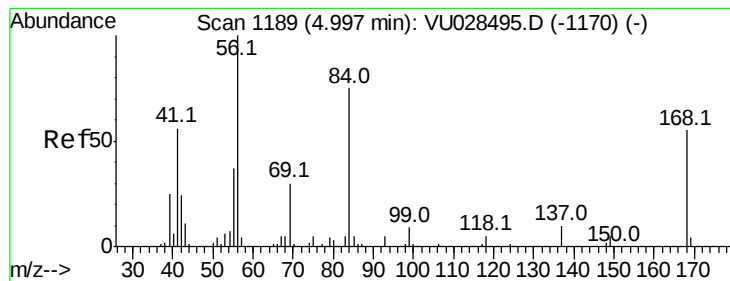
85 63.3 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU028709.D (-995) (-)

Ion 84.90 (84.60 to 85.60): VU028709.D (-995) (-)





#31

Cyclohexane

Concen: 48.452 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampled :

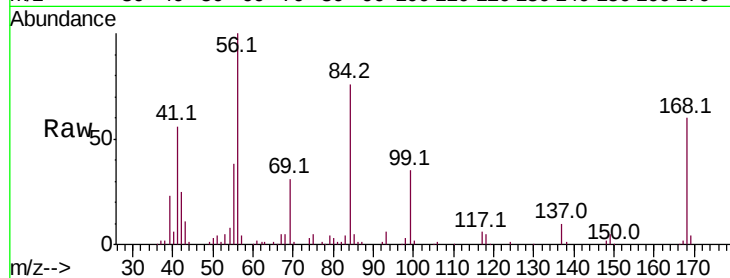
Tot Ion: 56 Resp: 103316

Ion Ratio Lower Upper

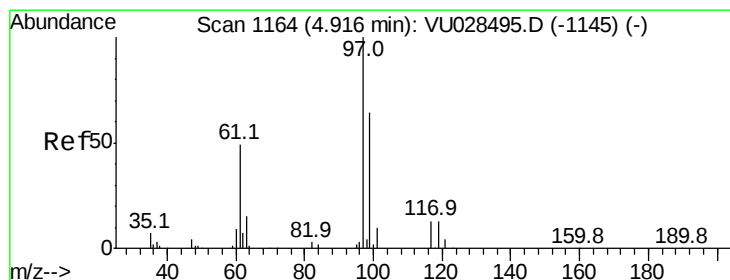
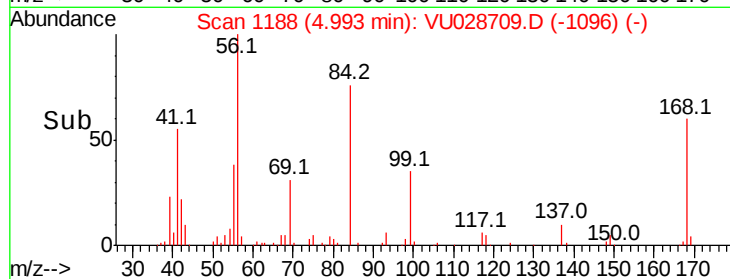
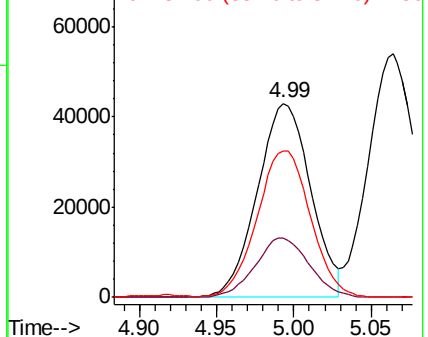
56 100

69 30.5 24.0 36.0

84 75.1 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: 49.491 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

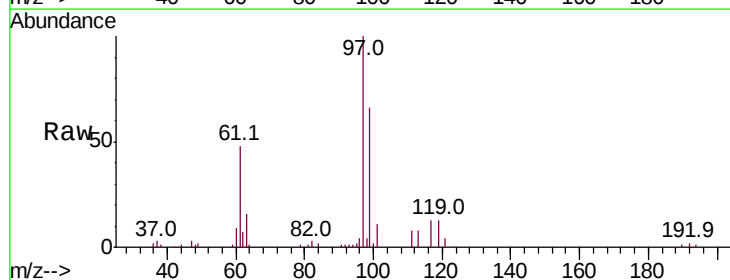
Tgt Ion: 97 Resp: 78220

Ion Ratio Lower Upper

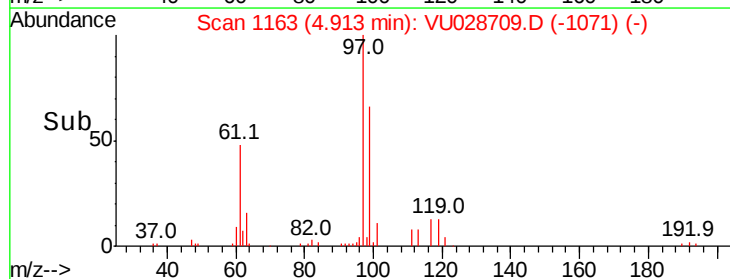
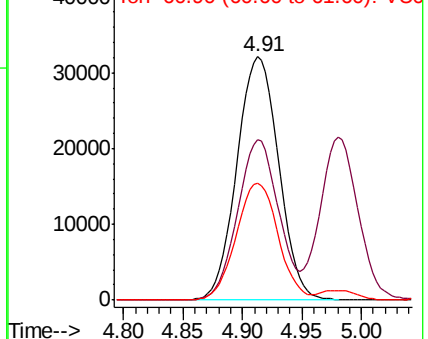
97 100

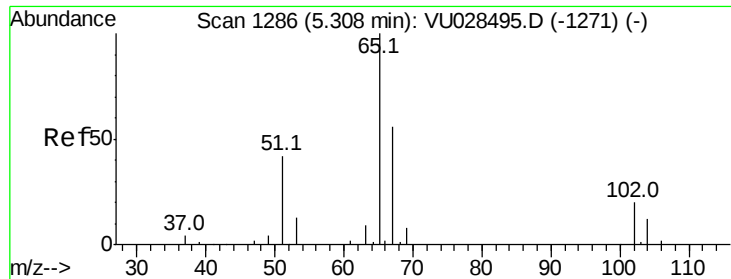
99 65.1 52.3 78.5

61 48.4 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: 50.577 ug/l

RT: 5.30 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

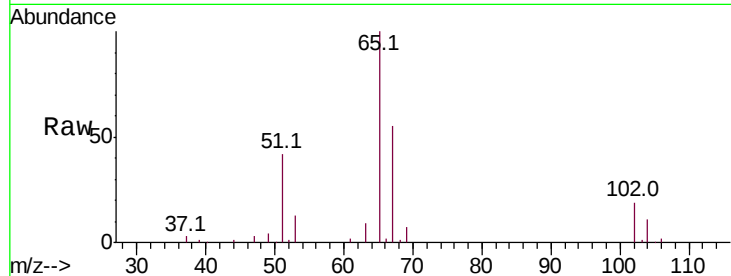
ClientSampleId :

Tot Ion: 65 Resp: 62854

Ion Ratio Lower Upper

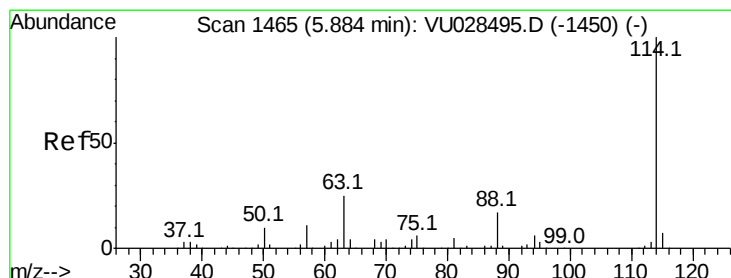
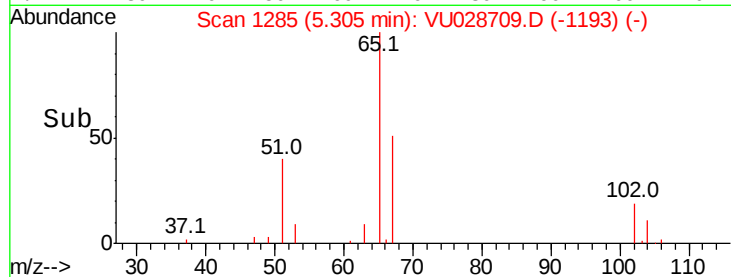
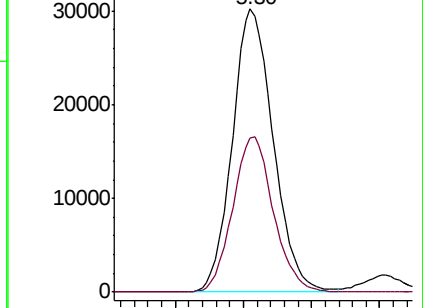
65 100

67 54.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

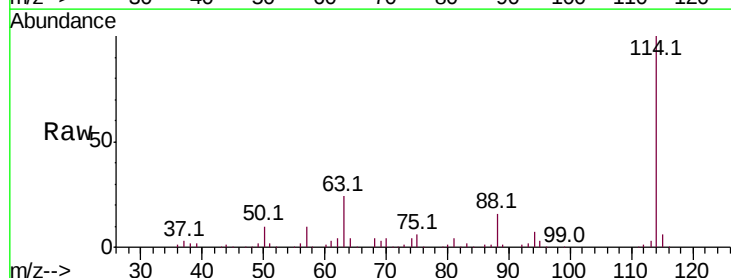
Tgt Ion:114 Resp: 135665

Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

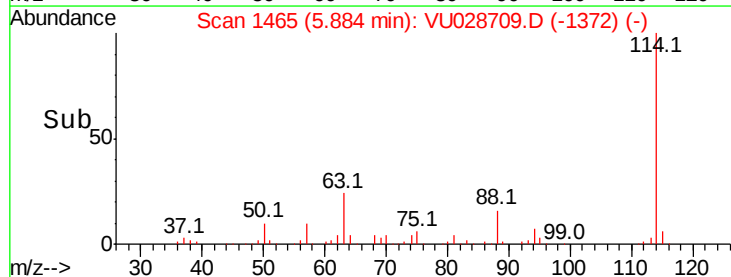
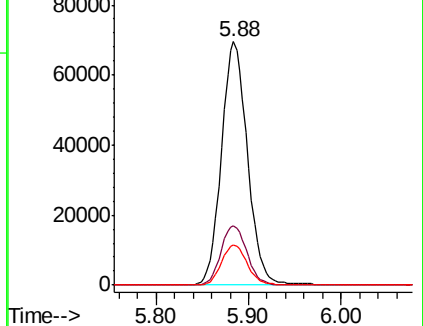
88 16.3 0.0 33.4

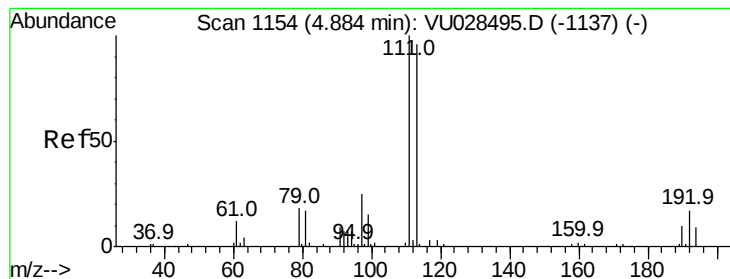


Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)





#35

Dibromofluoromethane

Concen: 55.138 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

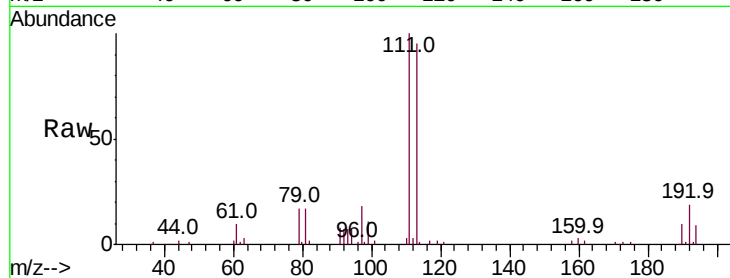
Tot Ion:113 Resp: 47074

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

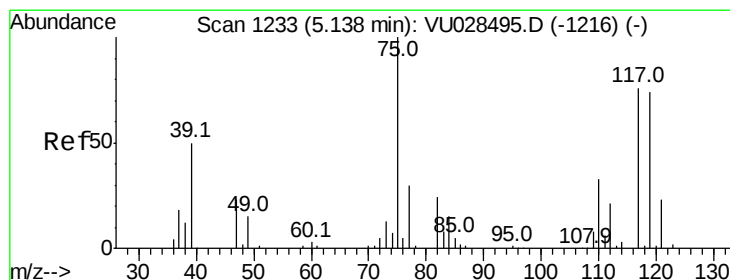
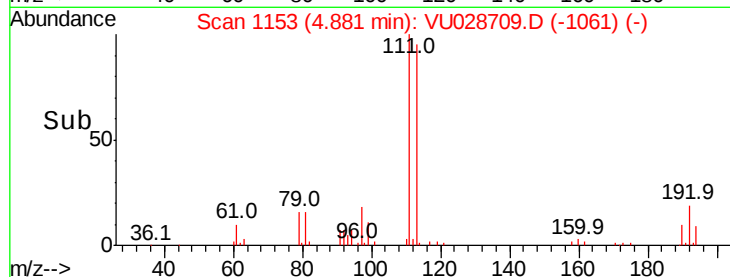
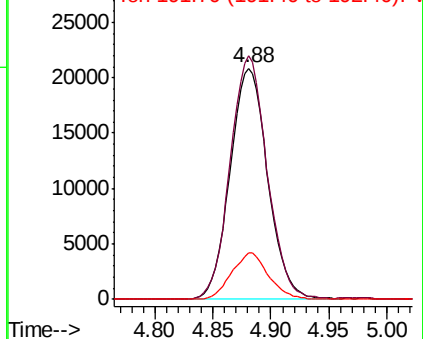
192 19.6 14.8 22.2



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: 51.370 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

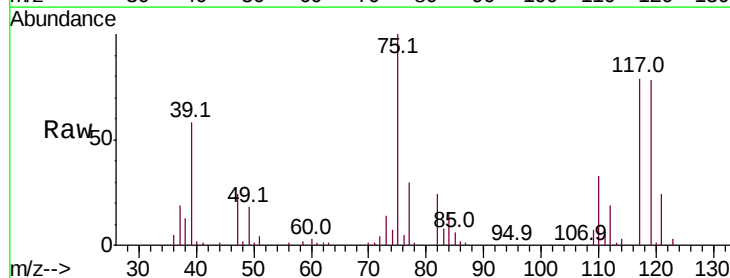
Tgt Ion: 75 Resp: 76262

Ion Ratio Lower Upper

75 100

110 31.9 16.1 48.2

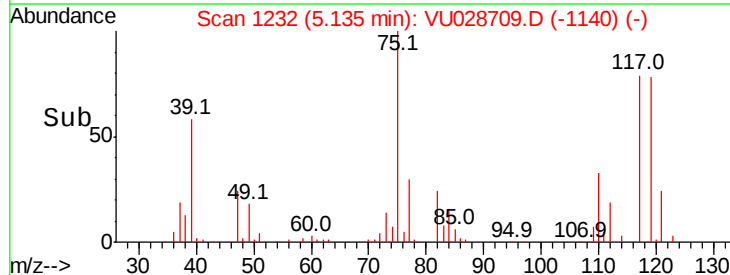
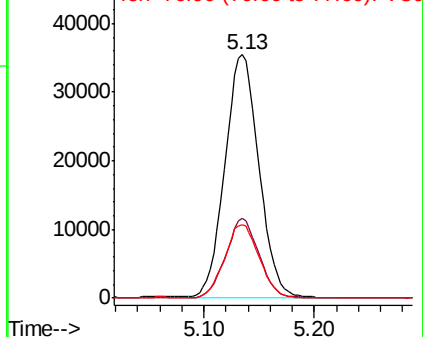
77 30.7 24.5 36.7

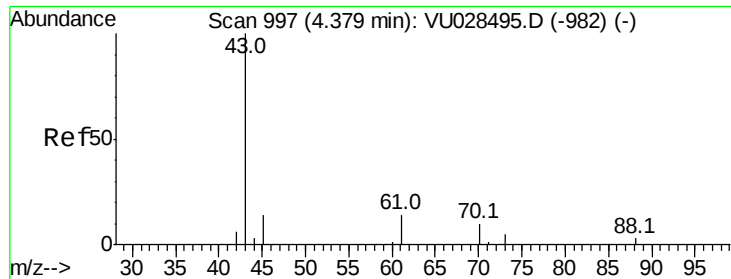


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 50.633 ug/l

RT: 4.38 min Scan# 996

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampled :

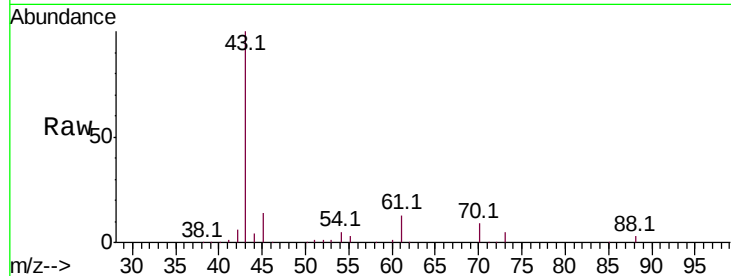
Tot Ion: 43 Resp: 97170

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

70 9.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

150000

100000

50000

0

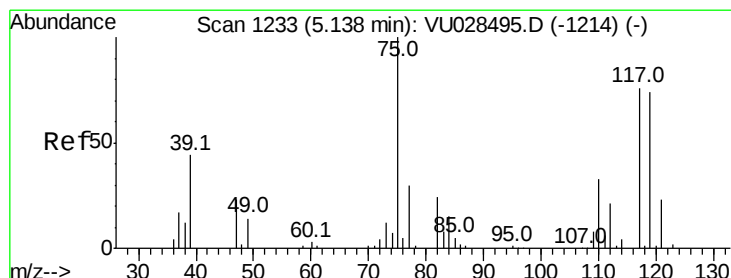
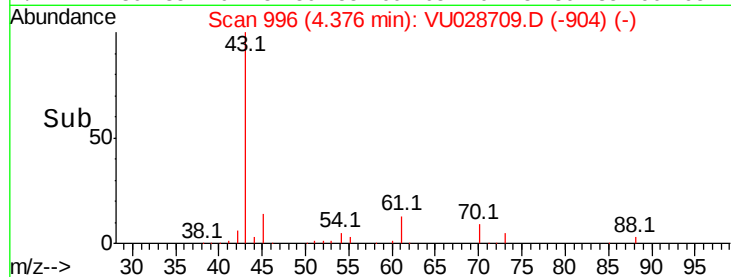
4.30

4.38

4.40

4.50

Time-->



#38

Carbon Tetrachloride

Concen: 54.484 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

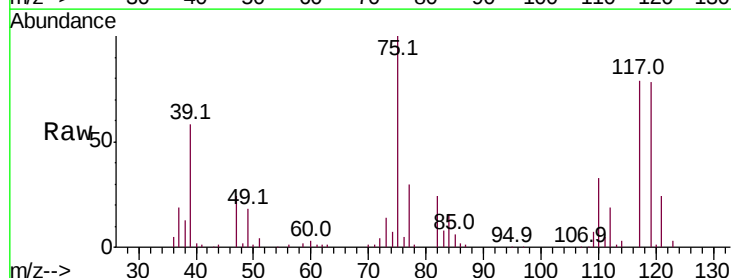
Tgt Ion: 117 Resp: 65193

Ion Ratio Lower Upper

117 100

119 98.6 77.6 116.4

121 30.8 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

30000

20000

10000

0

5.05

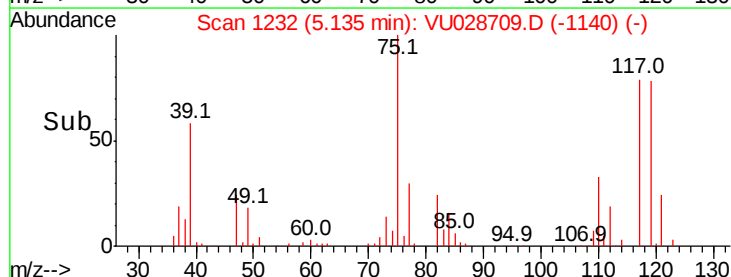
5.10

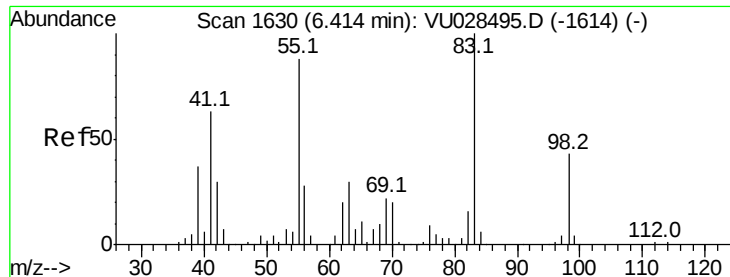
5.13

5.15

5.20

Time-->

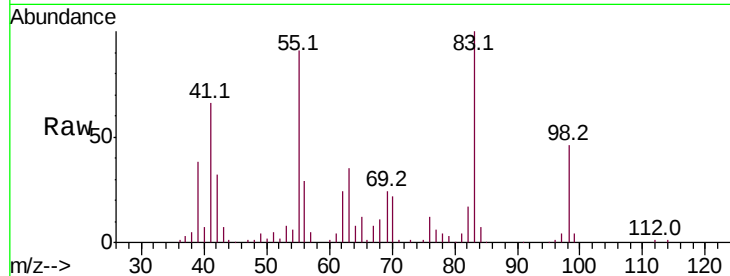




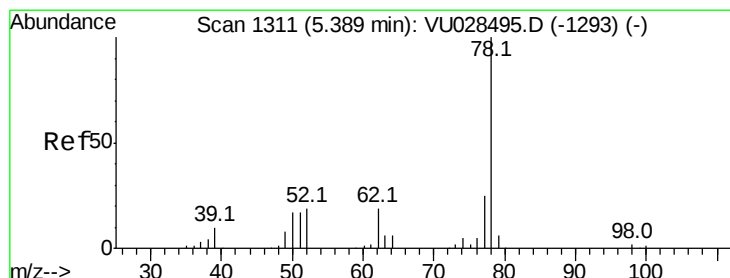
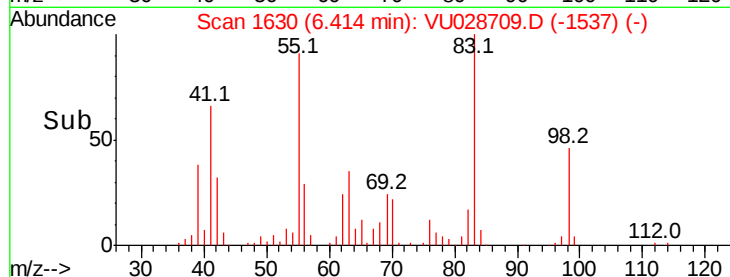
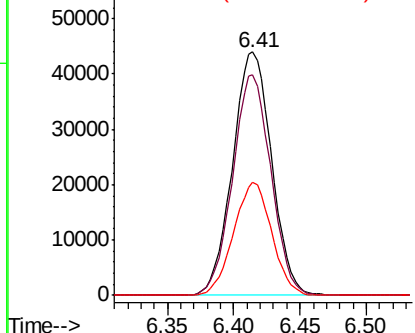
#39
Methvlcvclohexane
Concen: 49.600 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 89832
Ion Ratio Lower Upper
83 100
55 90.8 70.2 105.2
98 46.4 34.2 51.4

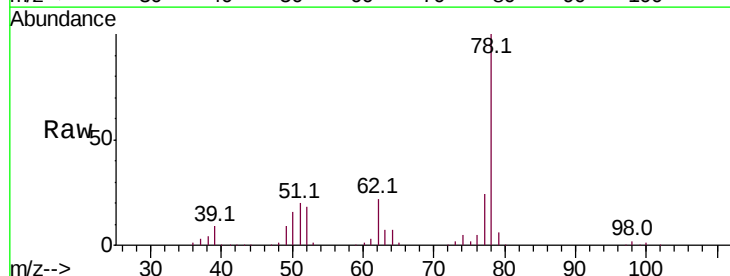


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

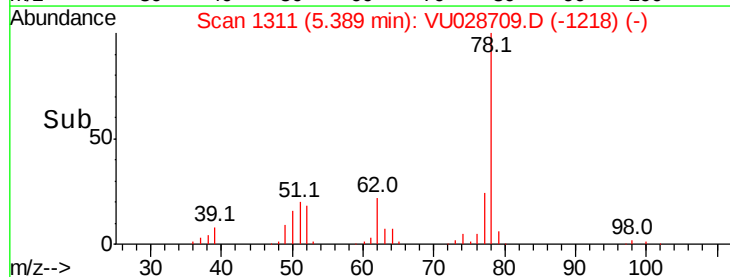
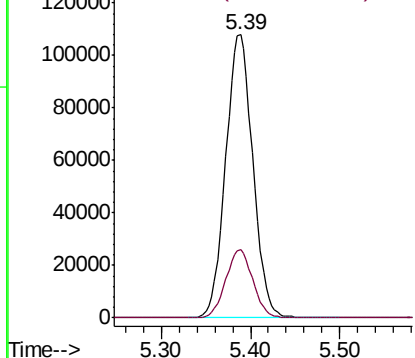


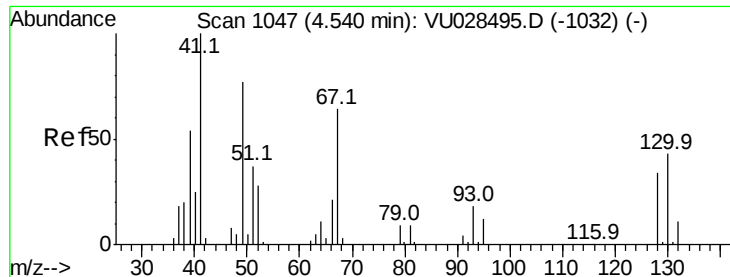
#40
Benzene
Concen: 52.098 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 78 Resp: 227790
Ion Ratio Lower Upper
78 100
77 23.9 19.9 29.9



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

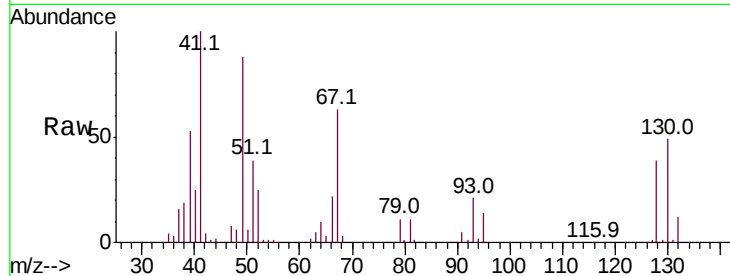




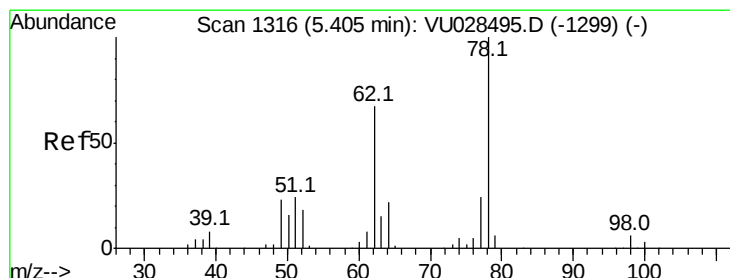
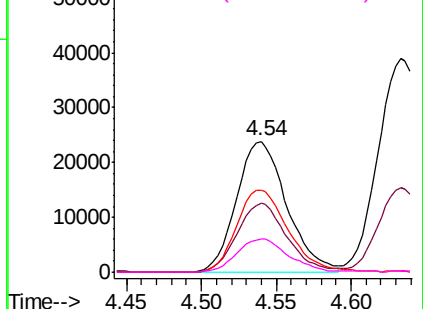
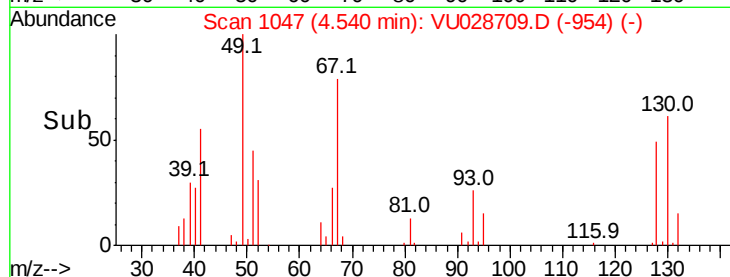
#41
Methacrylonitrile
Concen: 53.180 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 55891
Ion Ratio Lower Upper
41 100
39 51.9 43.3 64.9
67 64.3 53.6 80.4
52 26.2 22.1 33.1

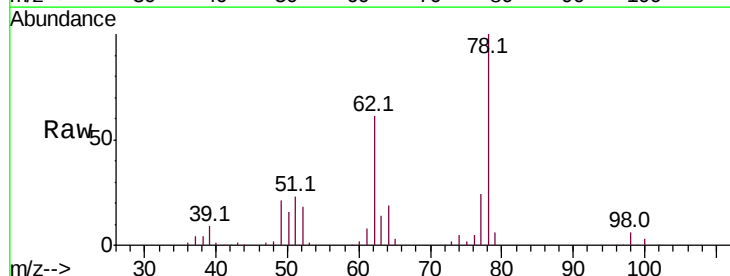


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

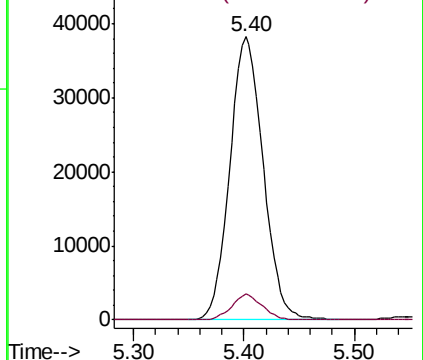
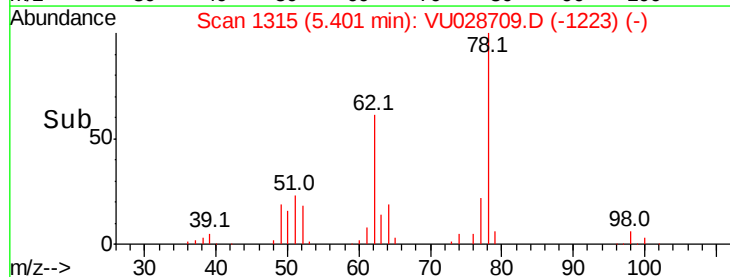


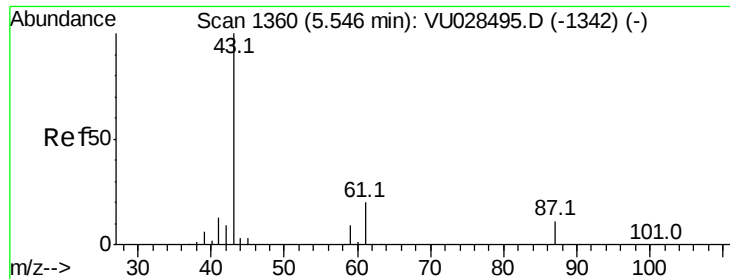
#42
1,2-Dichloroethane
Concen: 52.406 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 62 Resp: 80207
Ion Ratio Lower Upper
62 100
98 8.3 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: 51.374 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

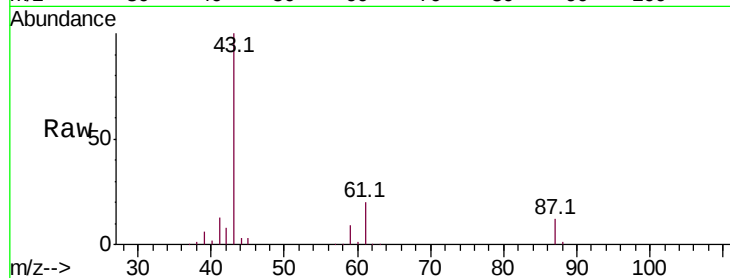
Tot Ion: 43 Resp: 155944

Ion Ratio Lower Upper

43 100

61 19.1 15.5 23.3

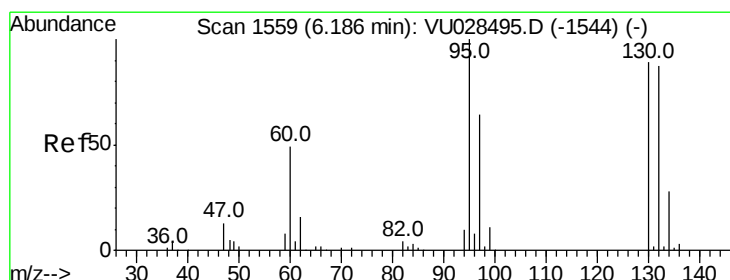
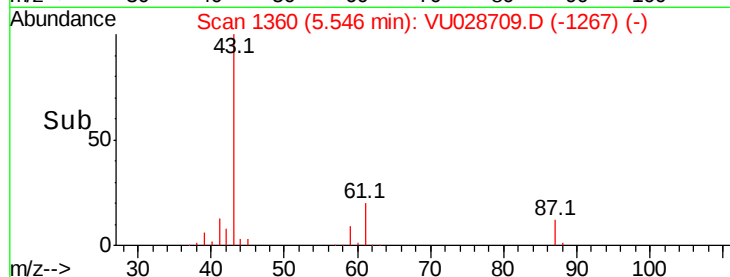
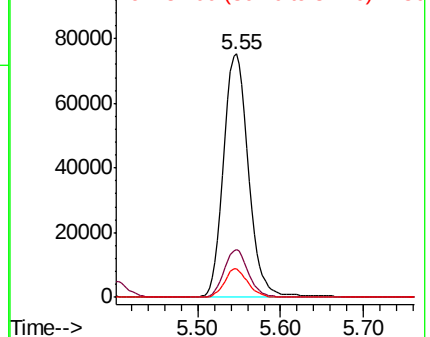
87 10.9 8.7 13.1



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: 52.018 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028709.D

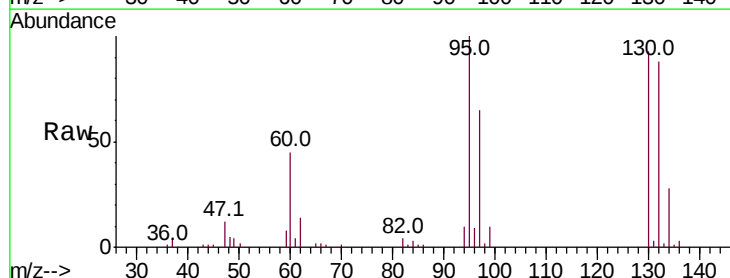
Acq: 17 Dec 2018 10:17

Tgt Ion:130 Resp: 50571

Ion Ratio Lower Upper

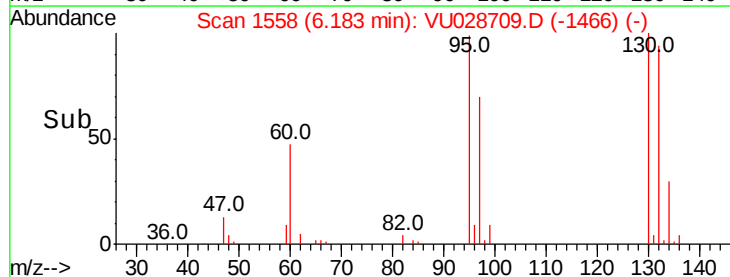
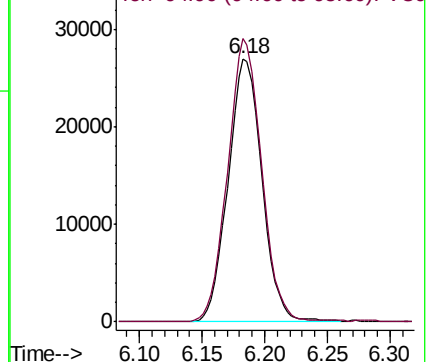
130 100

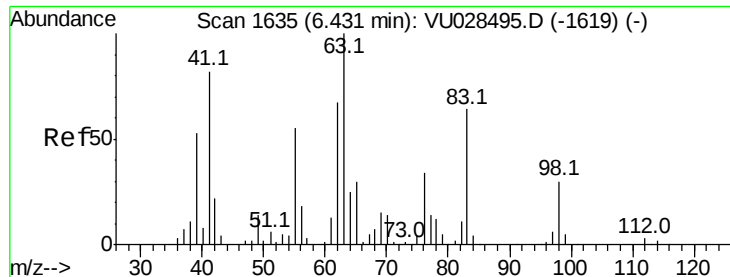
95 107.6 0.0 224.0



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: 53.209 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

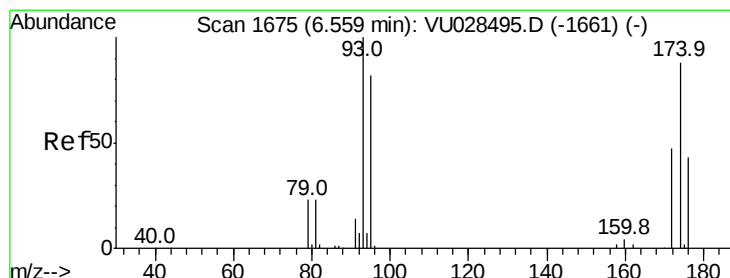
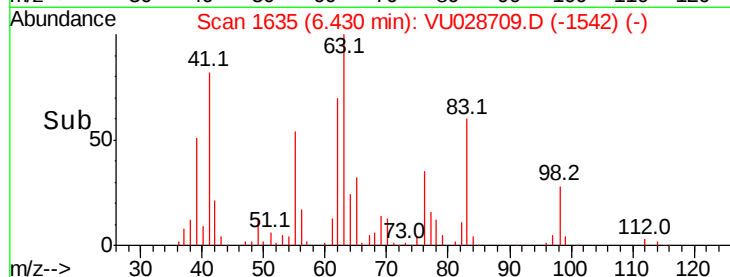
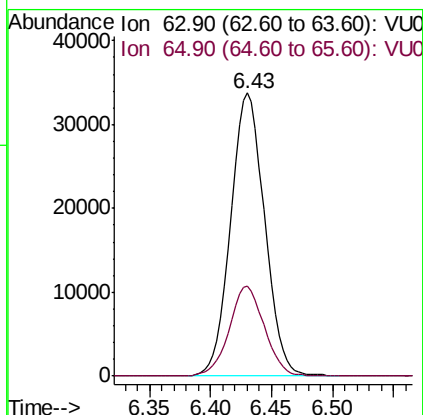
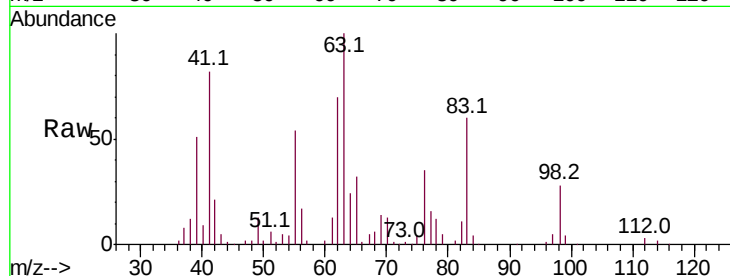
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 65423

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.4



#46

Dibromomethane

Concen: 52.216 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

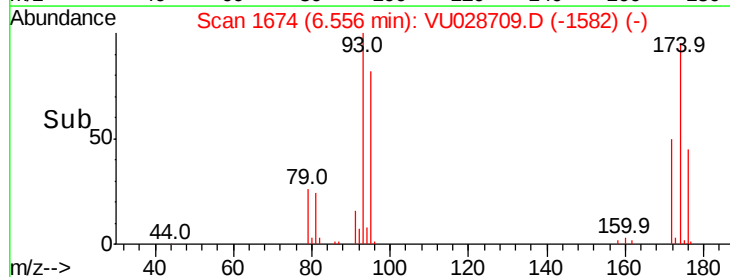
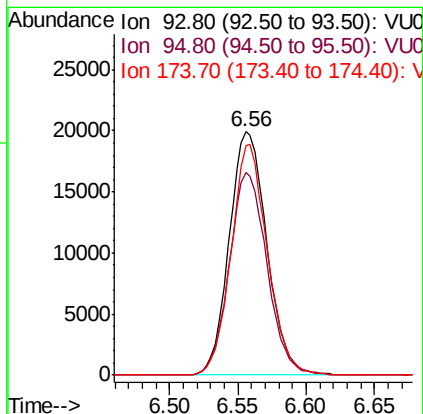
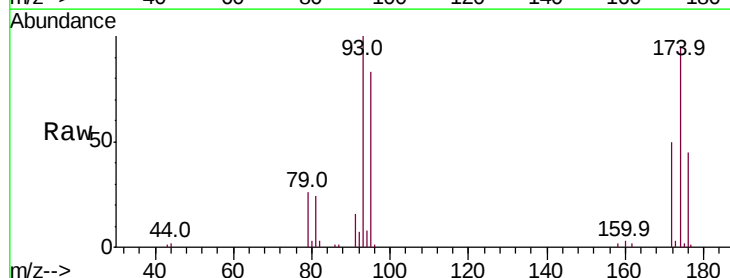
Tgt Ion: 93 Resp: 38093

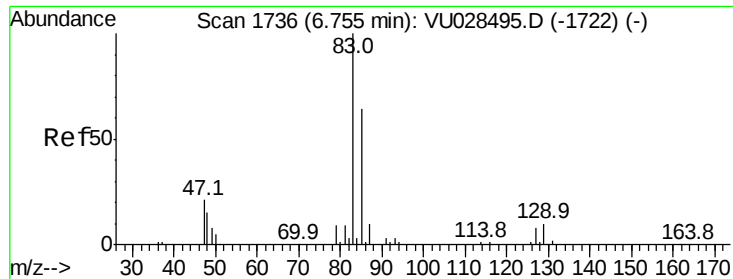
Ion Ratio Lower Upper

93 100

95 83.3 65.4 98.2

174 91.4 72.2 108.4





#47

Bromodichloromethane

Concen: 54.277 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampled :

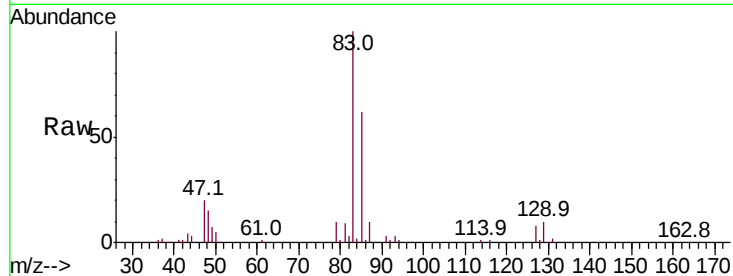
Tot Ion: 83 Resp: 77052

Ion Ratio Lower Upper

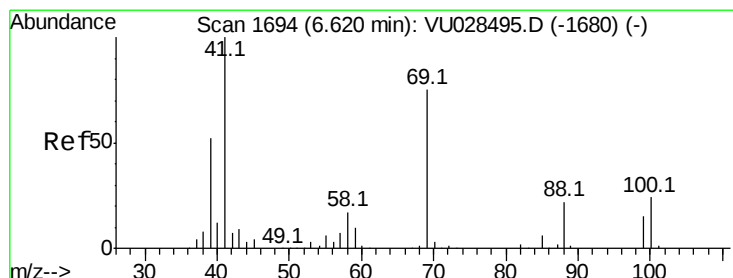
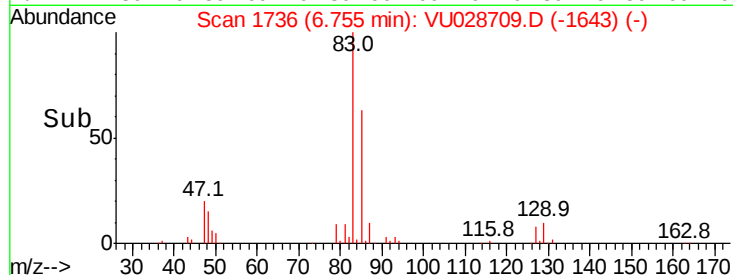
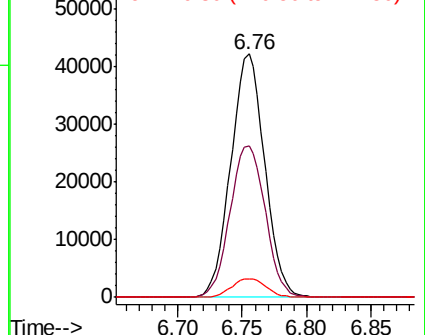
83 100

85 62.3 51.5 77.3

127 7.6 6.2 9.4



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



#48

Methyl methacrylate

Concen: 52.000 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

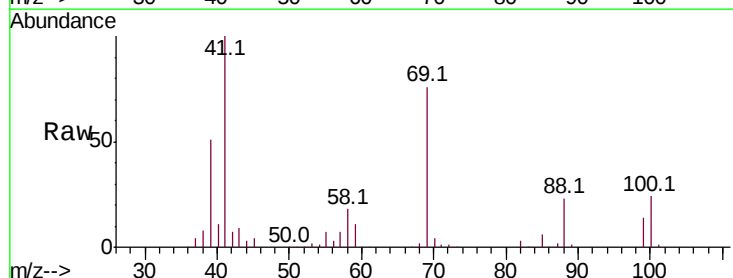
Tgt Ion: 41 Resp: 78495

Ion Ratio Lower Upper

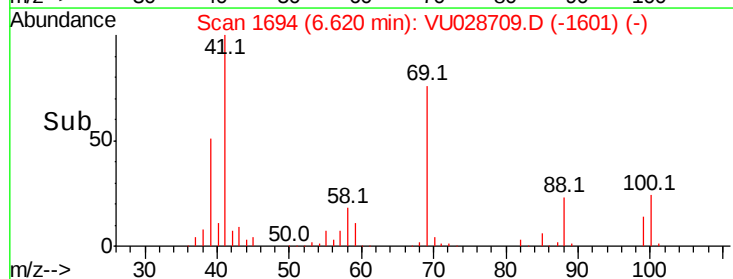
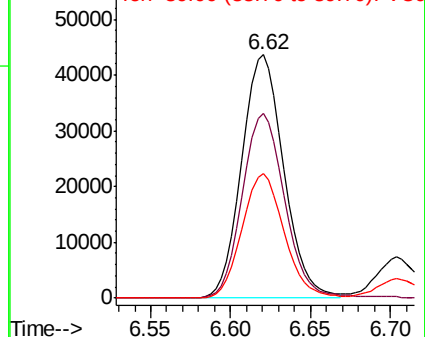
41 100

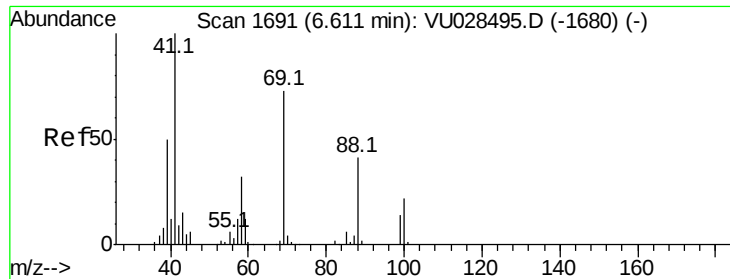
69 76.4 60.4 90.6

39 51.3 41.1 61.7



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

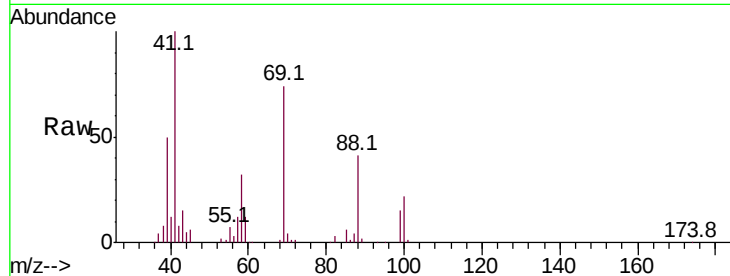




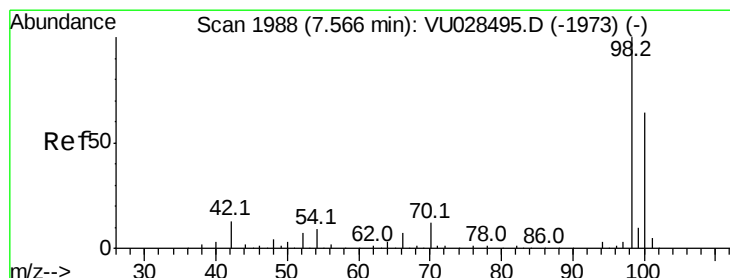
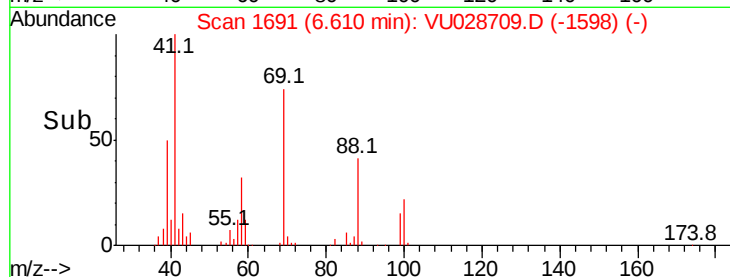
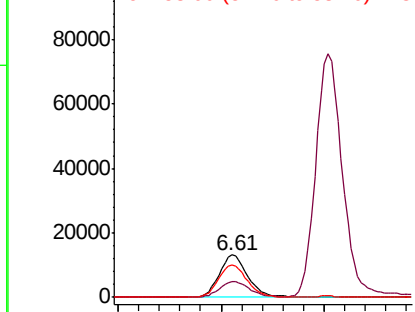
#49
1,4-Dioxane
Concen: 1071.574 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 88 Resp: 25541
Ion Ratio Lower Upper
88 100
43 40.0 30.9 46.3
58 77.1 62.4 93.6

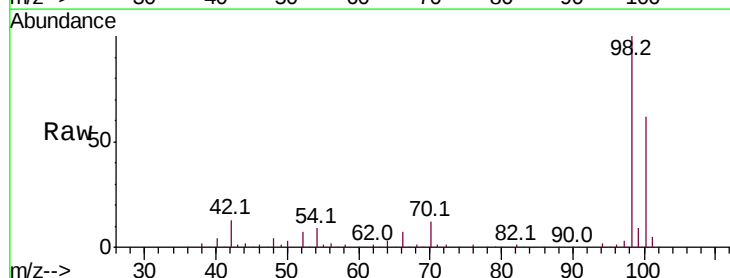


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

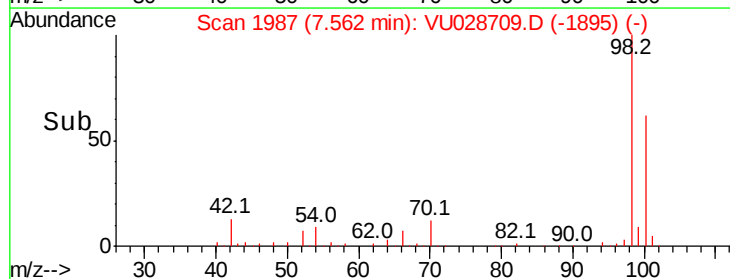
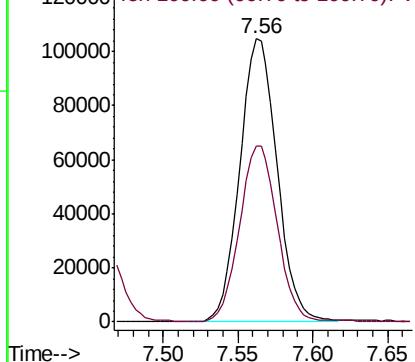


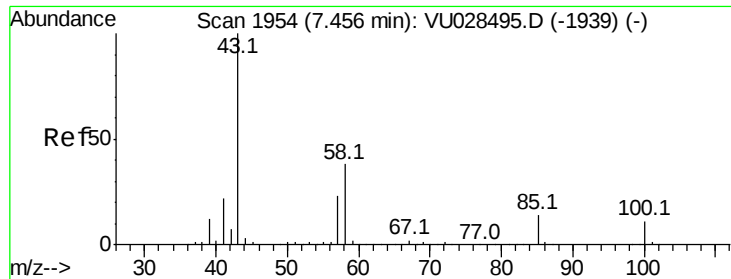
#50
Toluene-d8
Concen: 53.866 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 98 Resp: 181921
Ion Ratio Lower Upper
98 100
100 62.5 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: 259.186 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

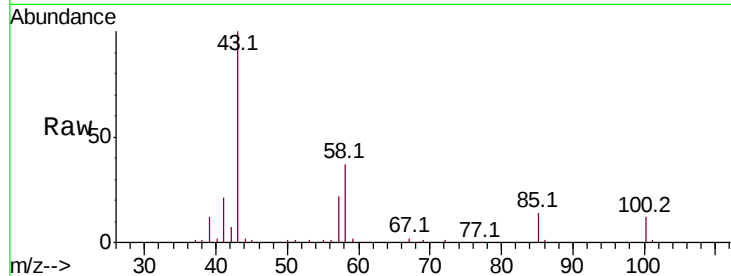
ClientSampled :

Tot Ion: 43 Resp: 496208

Ion Ratio Lower Upper

43 100

58 37.2 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

300000

250000

200000

150000

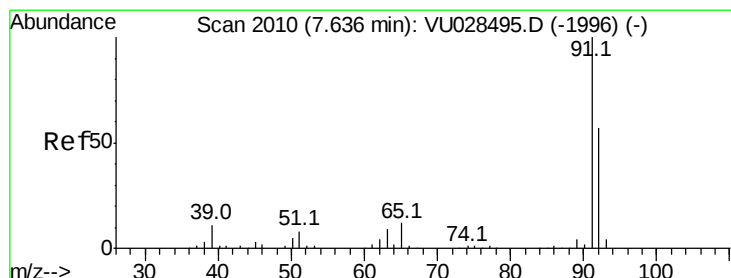
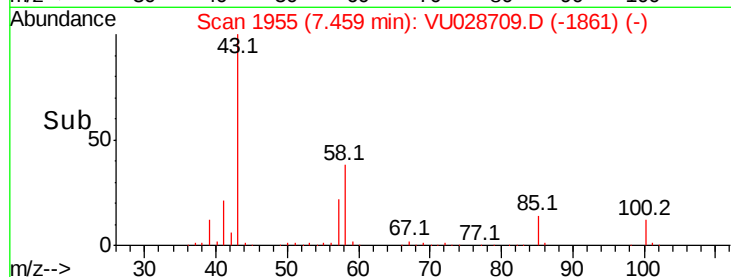
100000

50000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 51.402 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028709.D

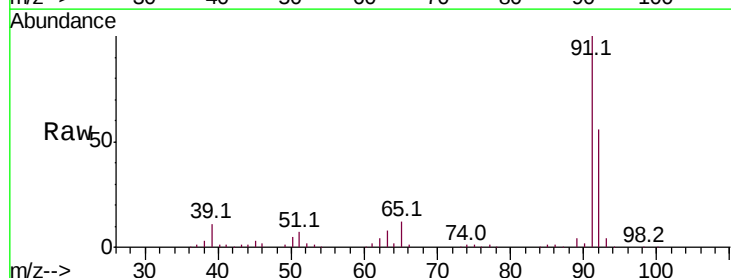
Acq: 17 Dec 2018 10:17

Tgt Ion: 92 Resp: 132269

Ion Ratio Lower Upper

92 100

91 176.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

150000

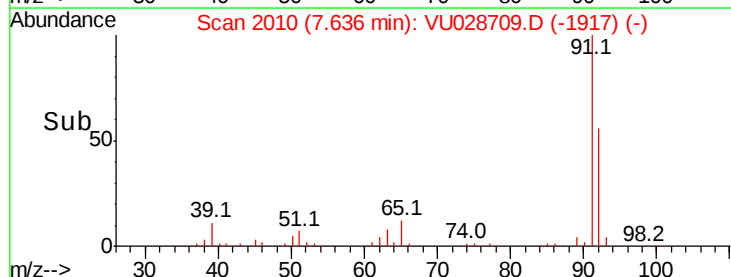
100000

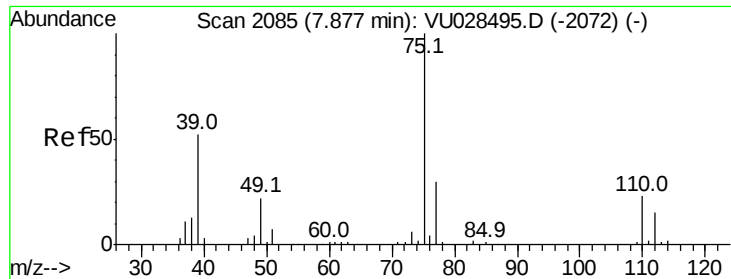
50000

0

7.55 7.60 7.65 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.405 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

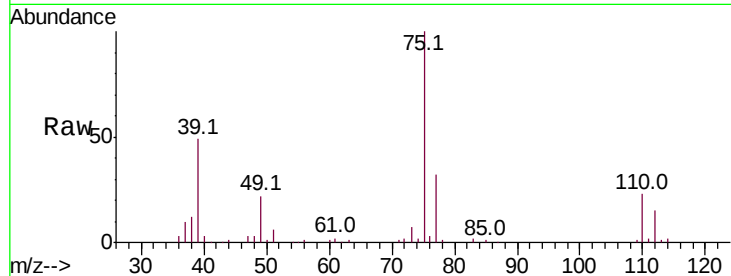
ClientSampleId :

Tot Ion: 75 Resp: 90294

Ion Ratio Lower Upper

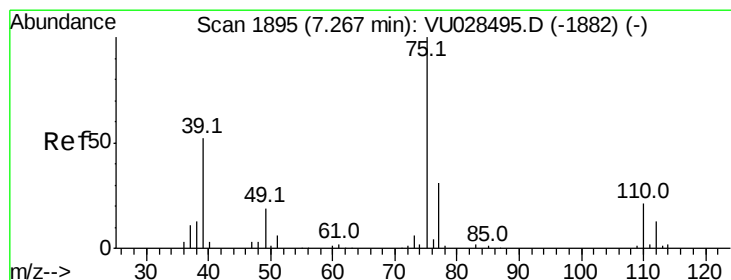
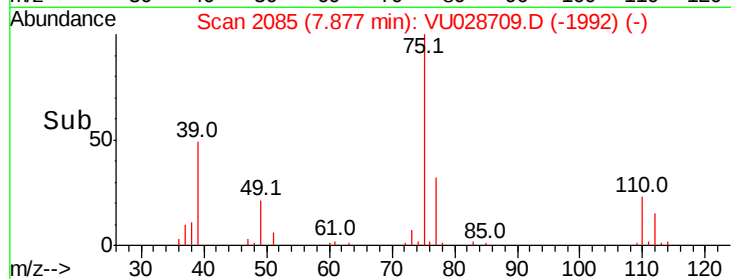
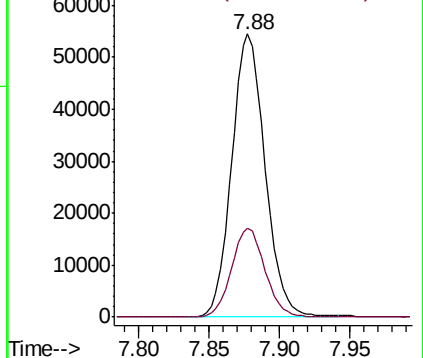
75 100

77 31.6 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: 53.572 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

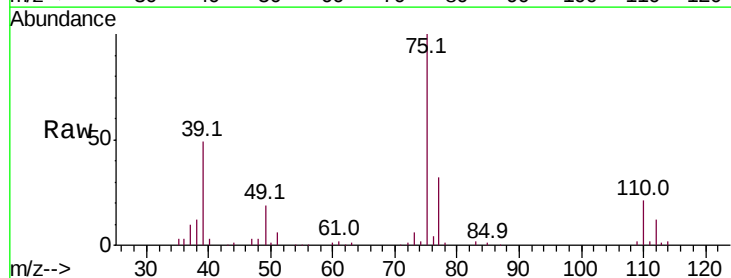
Tgt Ion: 75 Resp: 98268

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

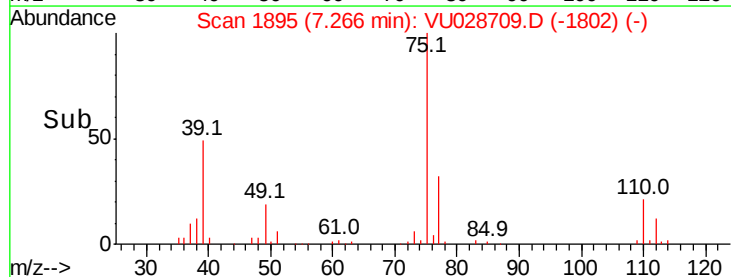
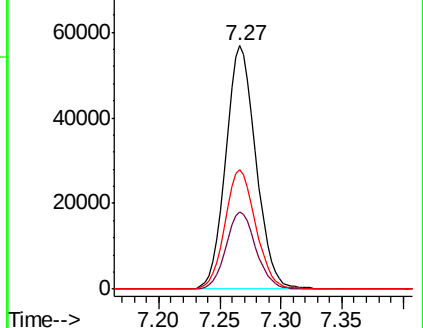
39 49.2 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

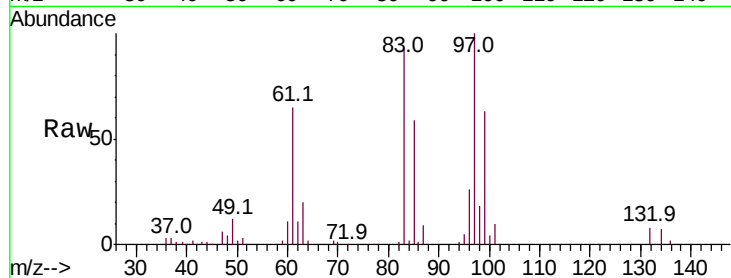




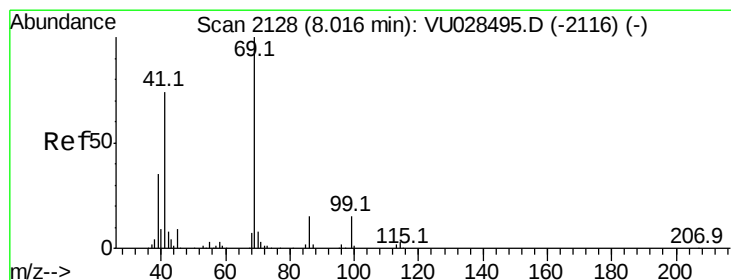
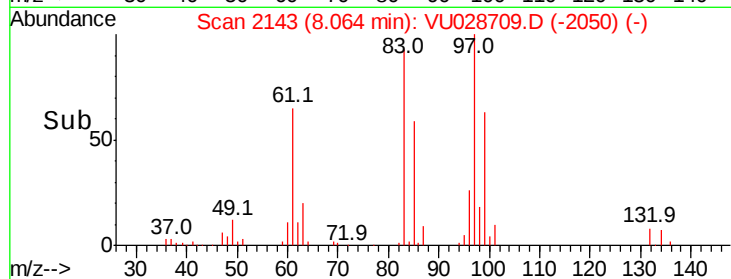
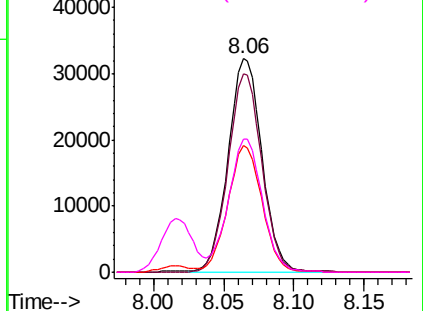
#55
 1,1,2-Trichloroethane
 Concen: 53.299 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	54215
Ion	Ratio	Lower	Upper
97	100		
83	92.9	72.4	108.6
85	59.3	46.0	69.0
99	62.5	47.4	71.2

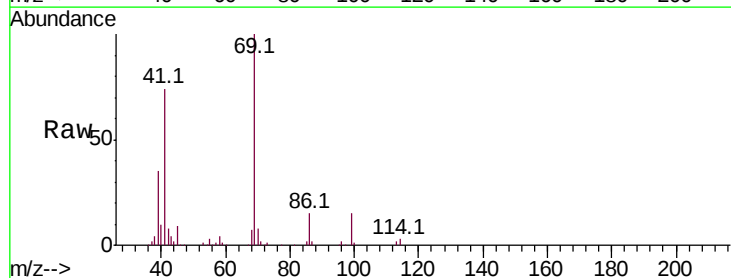


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

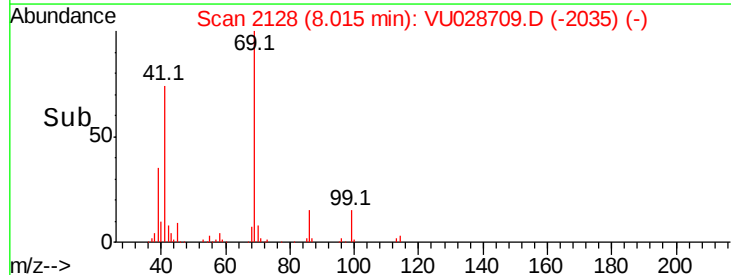
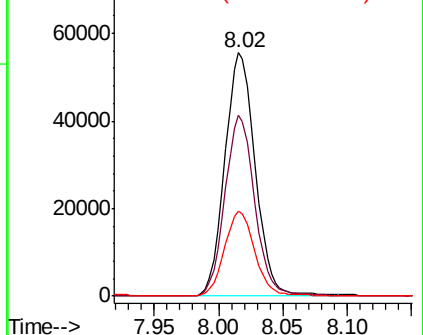


#56
 Ethyl methacrylate
 Concen: 52.206 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion:	69	Resp:	90936
Ion	Ratio	Lower	Upper
69	100		
41	73.0	59.1	88.7
39	35.2	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: 52.204 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

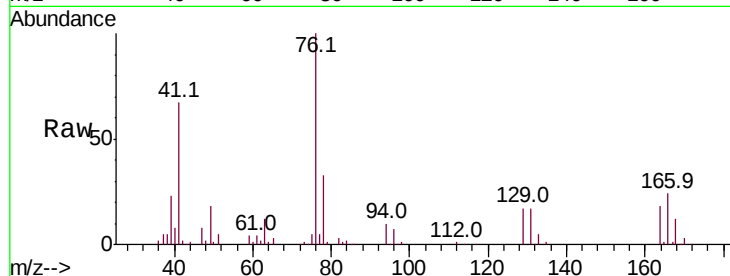
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 98571

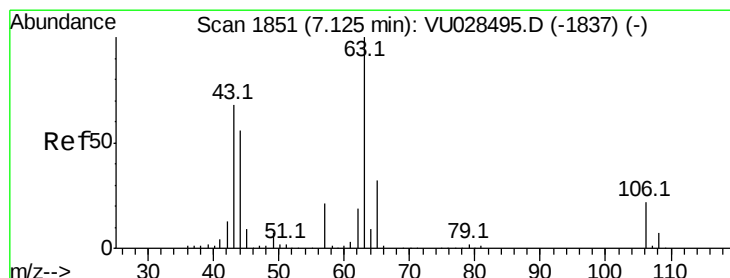
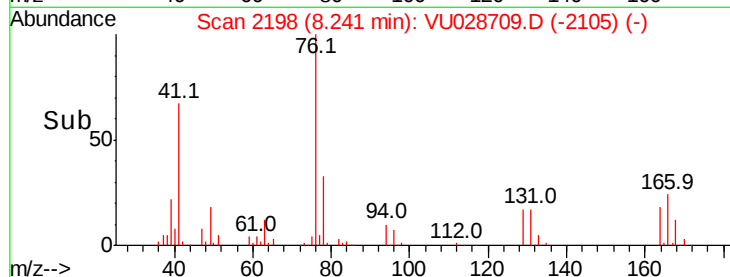
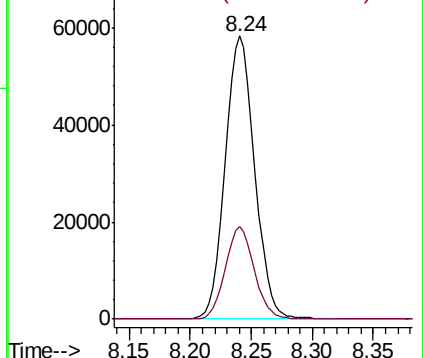
Ion Ratio Lower Upper

76 100

78 32.0 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 268.513 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028709.D

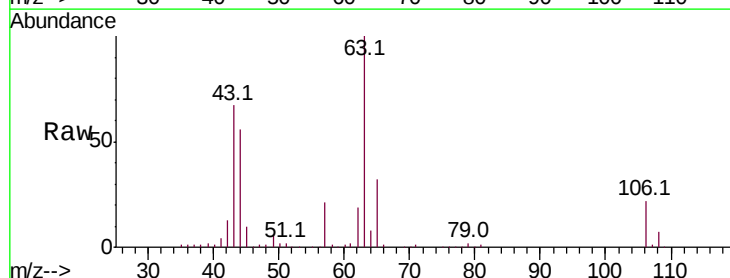
Acq: 17 Dec 2018 10:17

Tgt Ion: 63 Resp: 239564

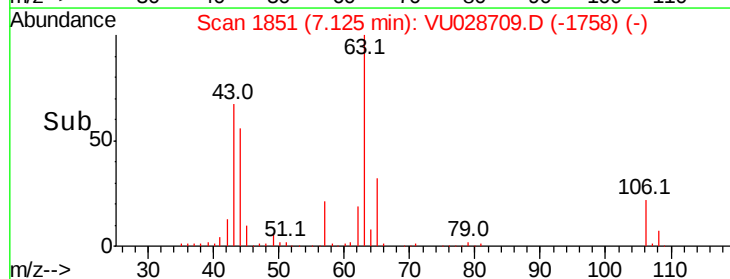
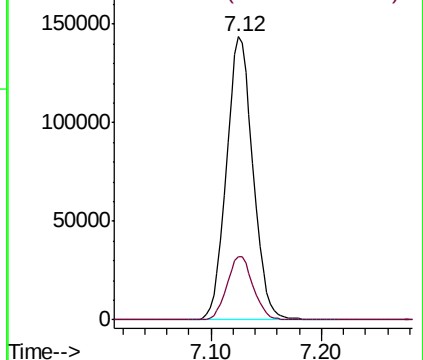
Ion Ratio Lower Upper

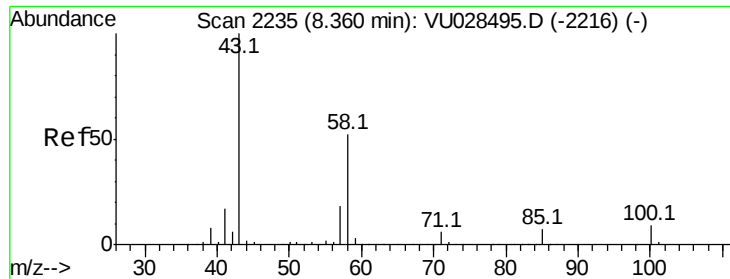
63 100

106 22.1 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 105.90 (105.60 to 106.60): V

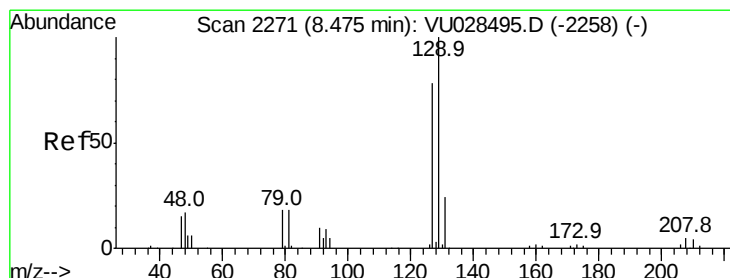
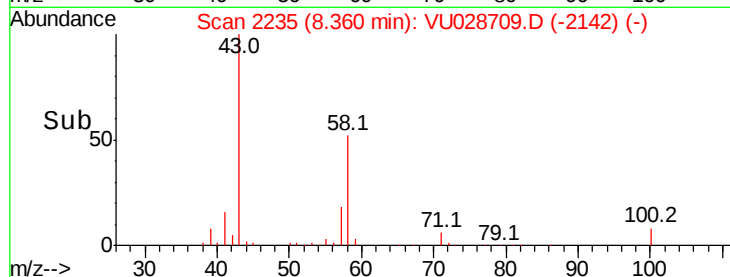
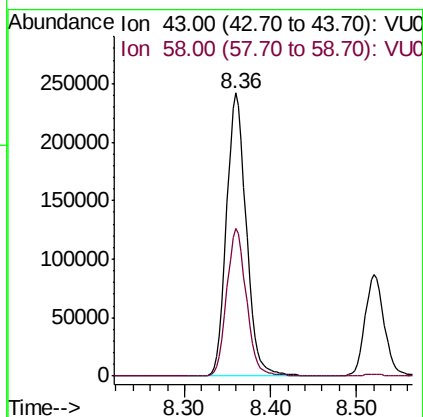
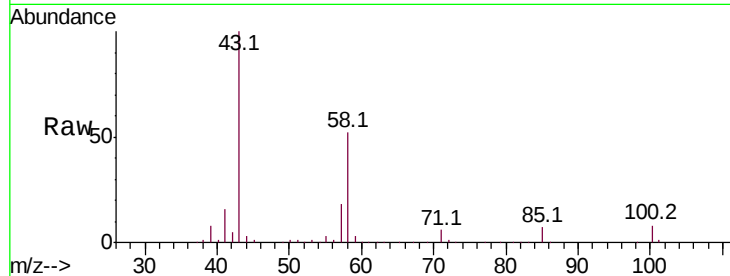




#59
2-Hexanone
Concen: 255.447 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

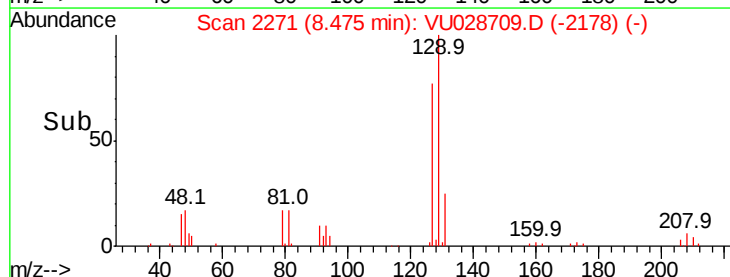
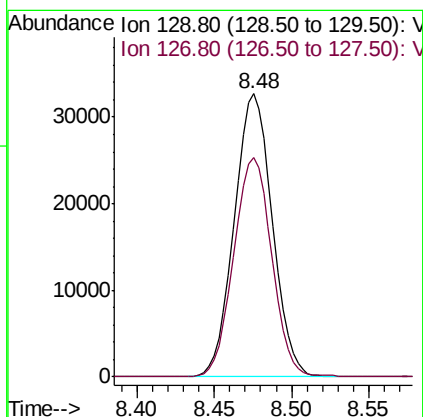
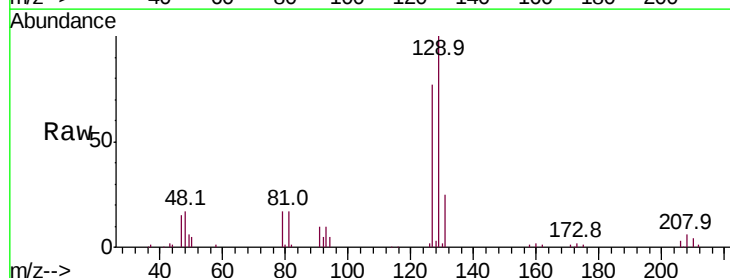
Instrument :
MSVOA_U
ClientSampled :

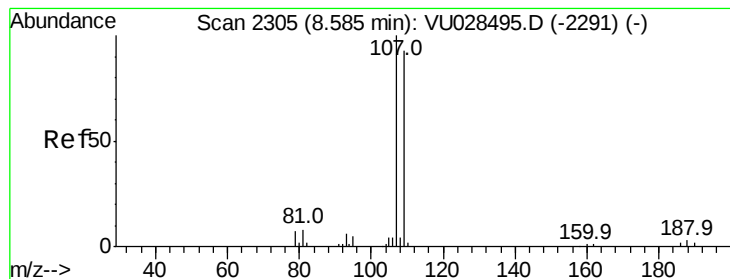
Tot Ion: 43 Resp: 387625
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.6



#60
Dibromochloromethane
Concen: 56.188 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 129 Resp: 55956
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.614 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

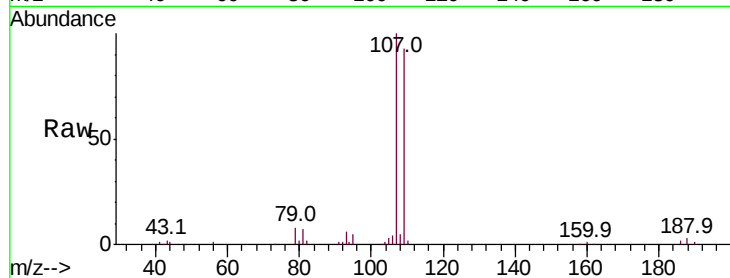
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 57189

Ion Ratio Lower Upper

107 100

109 94.0 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

40000

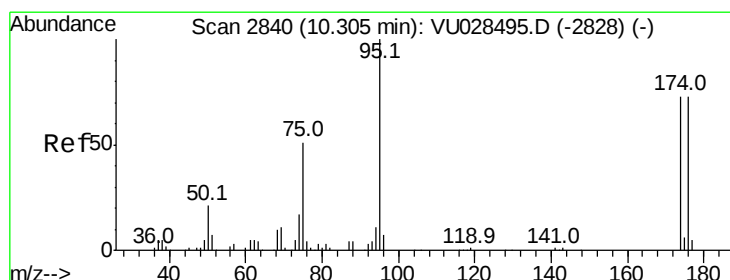
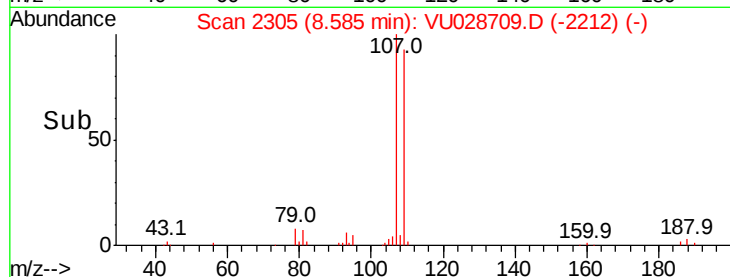
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 53.452 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

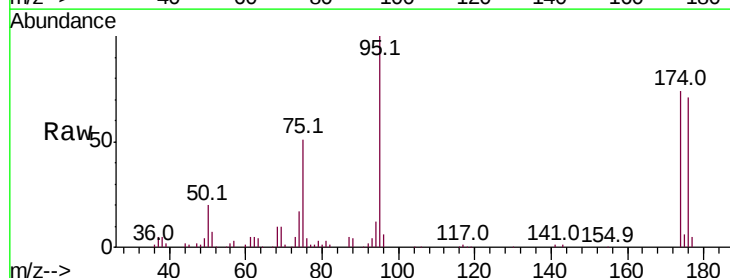
Tgt Ion: 95 Resp: 67473

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

176 73.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

50000

40000

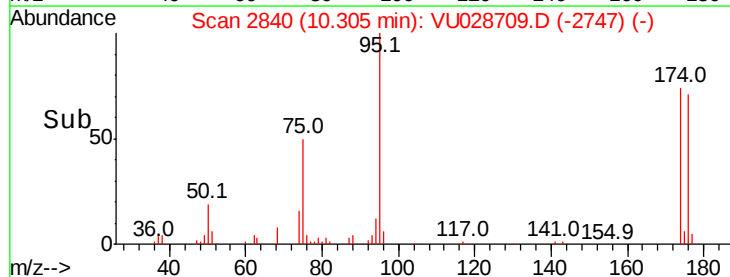
30000

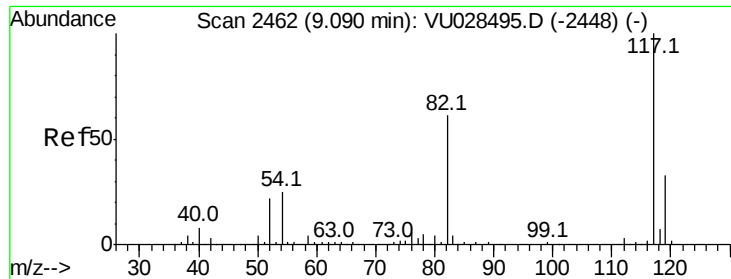
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

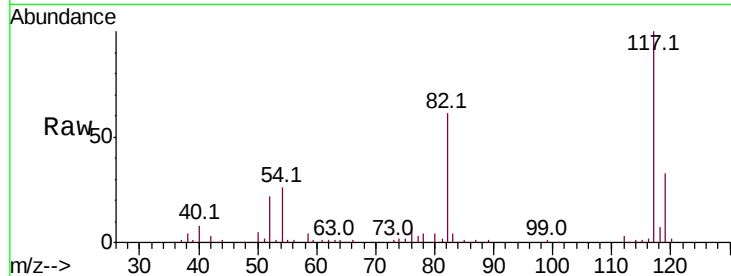




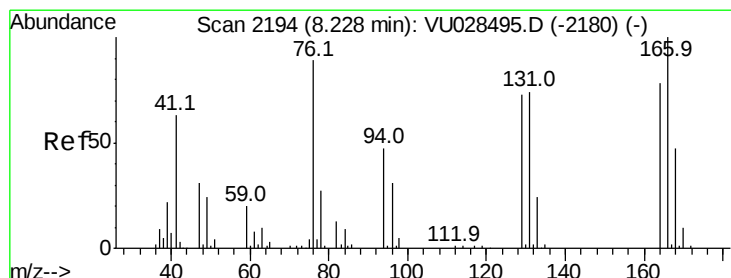
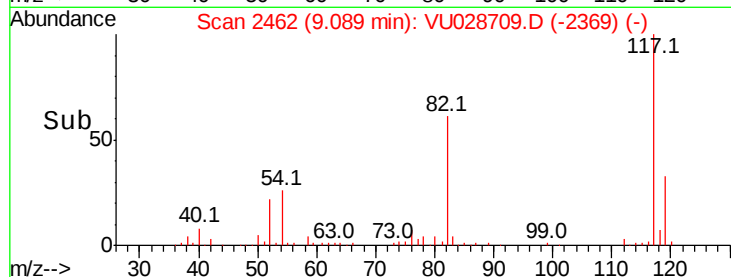
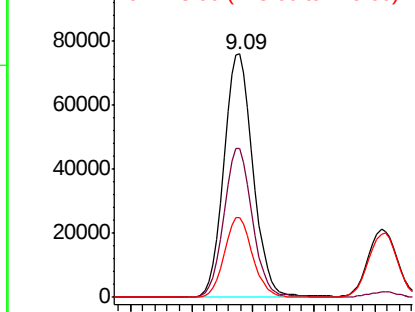
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 127696
Ion Ratio Lower Upper
117 100
82 61.2 48.9 73.3
119 32.8 26.2 39.4

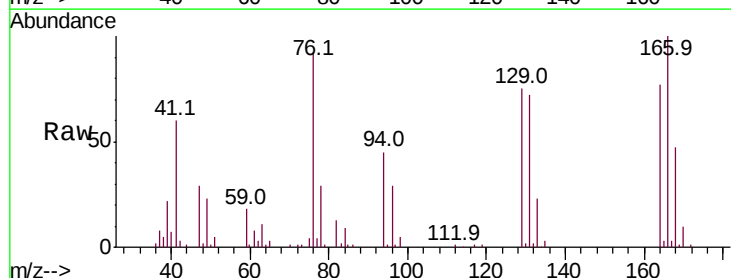


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

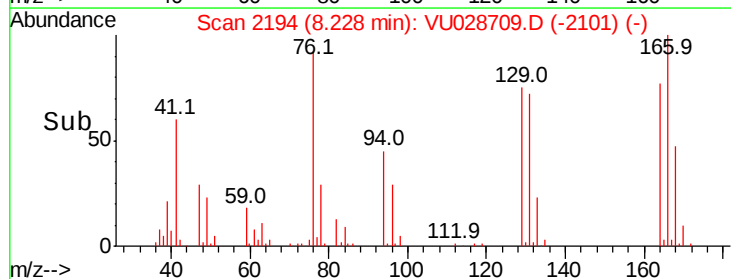
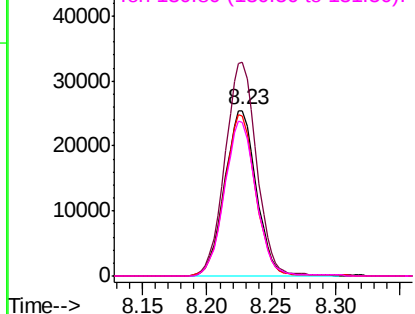


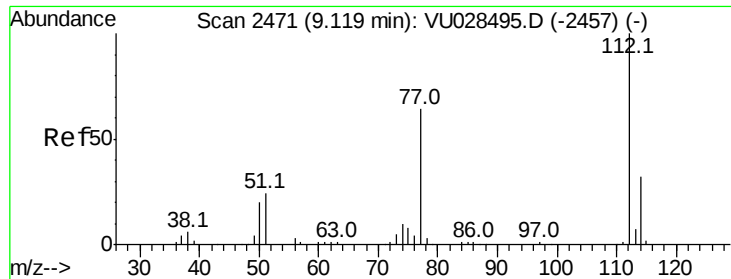
#64
Tetrachloroethene
Concen: 50.897 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion:164 Resp: 43352
Ion Ratio Lower Upper
164 100
166 129.1 101.9 152.9
129 96.4 74.9 112.3
131 92.6 75.4 113.0



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

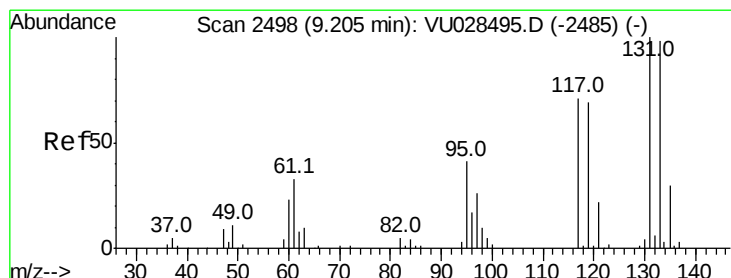
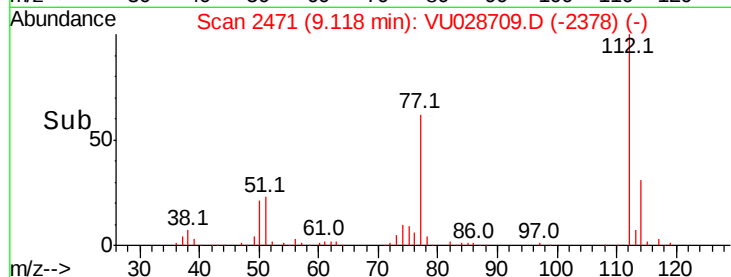
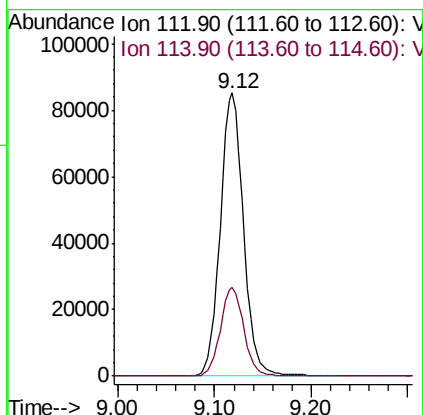
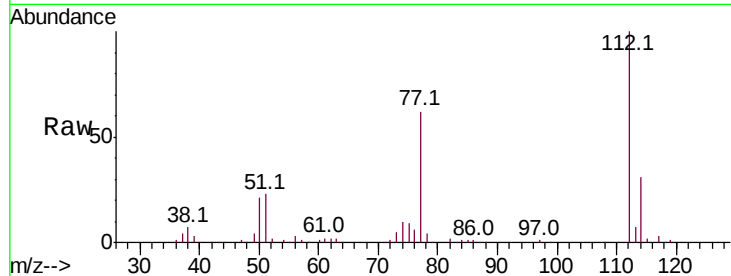




#65
Chlorobenzene
Concen: 52.096 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

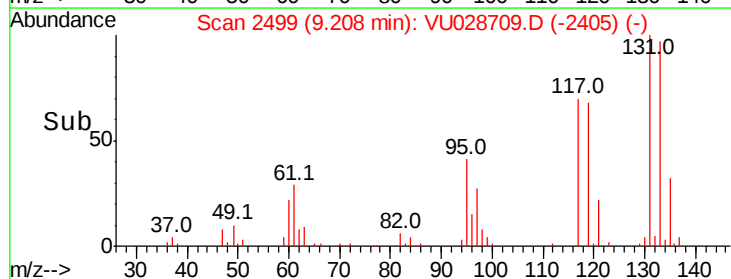
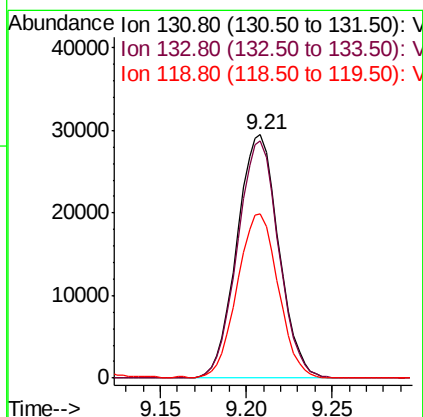
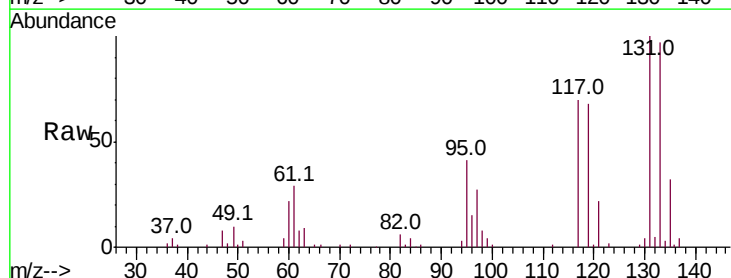
Instrument :
MSVOA_U
ClientSampled :

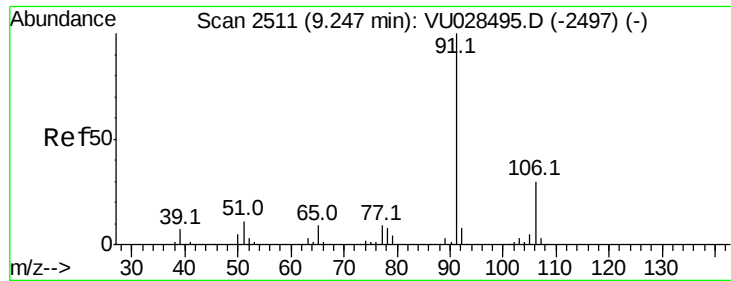
Tot Ion:112 Resp: 141756
Ion Ratio Lower Upper
112 100
114 31.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 57.138 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion:131 Resp: 49649
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 66.4 34.6 103.9

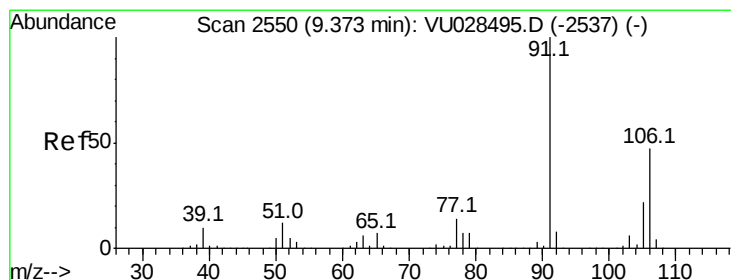
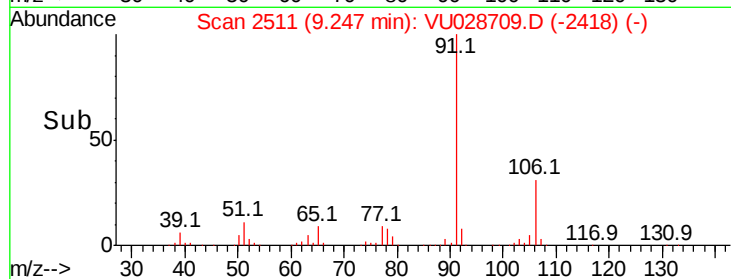
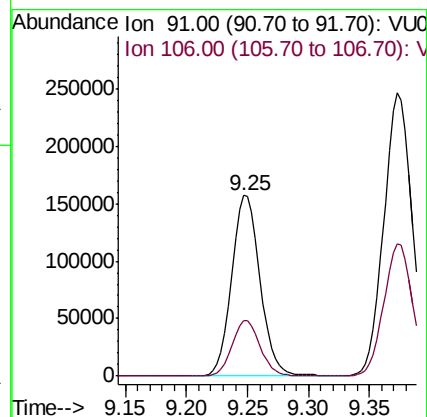
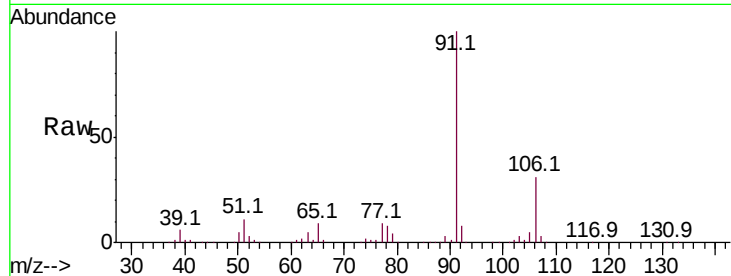




#67
Ethyl Benzene
Concen: 51.523 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

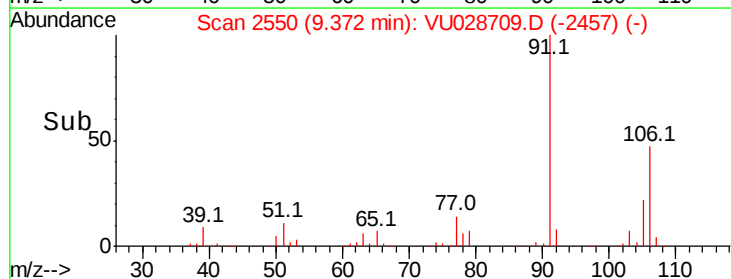
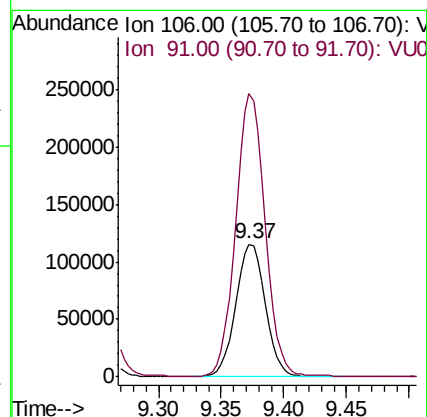
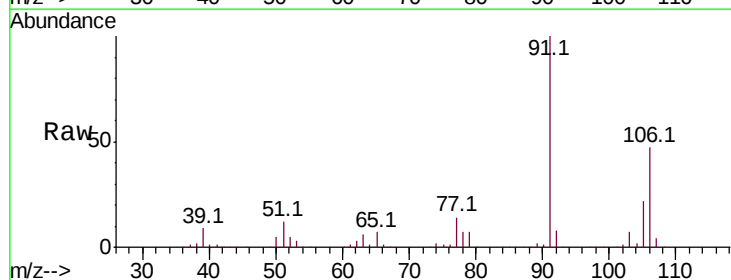
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 257730
Ion Ratio Lower Upper
91 100
106 30.9 24.1 36.1



#68
m/p-Xylenes
Concen: 103.868 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 106 Resp: 189058
Ion Ratio Lower Upper
106 100
91 212.6 167.4 251.0

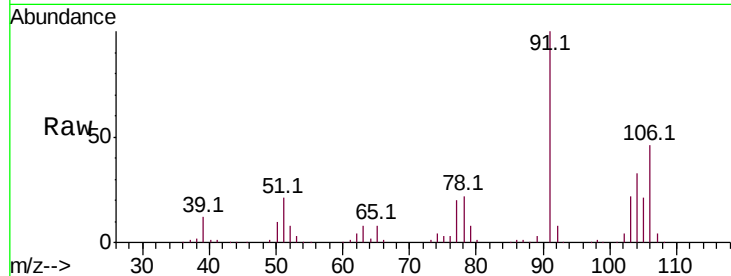




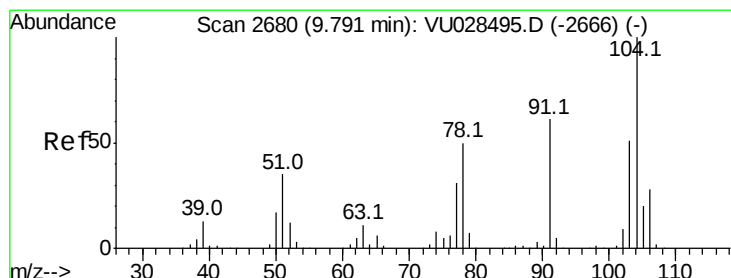
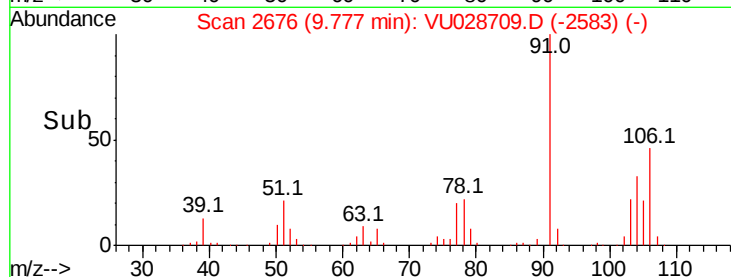
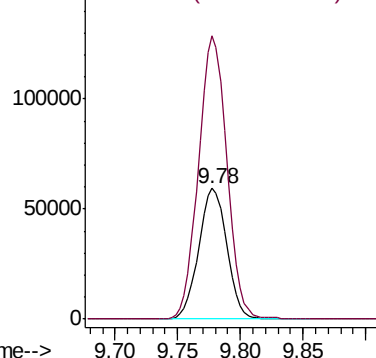
#69
o-Xylene
Concen: 52.421 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 92725
Ion Ratio Lower Upper
106 100
91 218.7 111.3 334.0

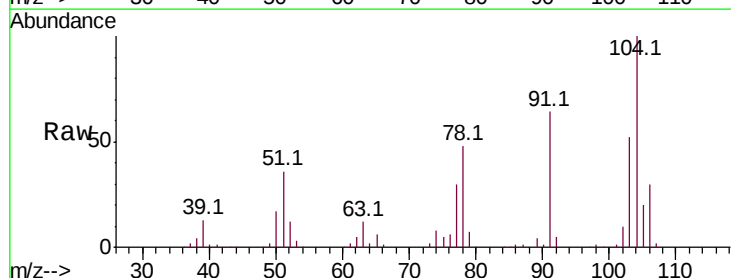


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

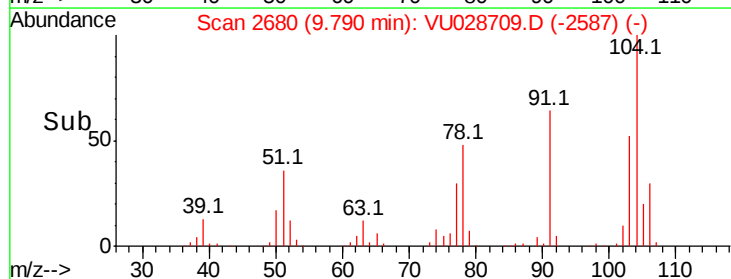
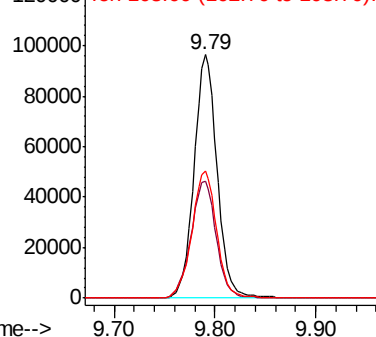


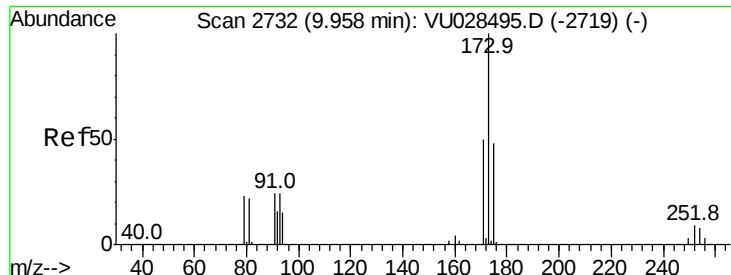
#70
Styrene
Concen: 52.619 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion:104 Resp: 154031
Ion Ratio Lower Upper
104 100
78 52.4 43.0 64.6
103 56.1 44.2 66.4



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





#71

Bromoform

Concen: 61.584 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :

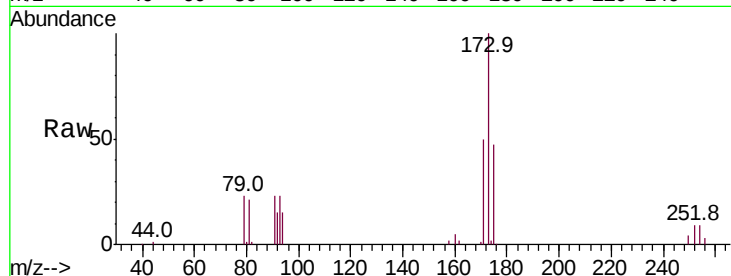
Tot Ion:173 Resp: 45522

Ion Ratio Lower Upper

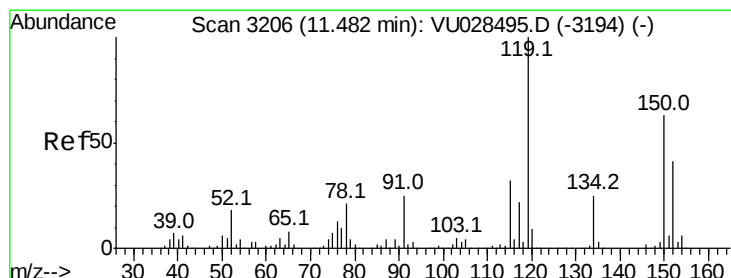
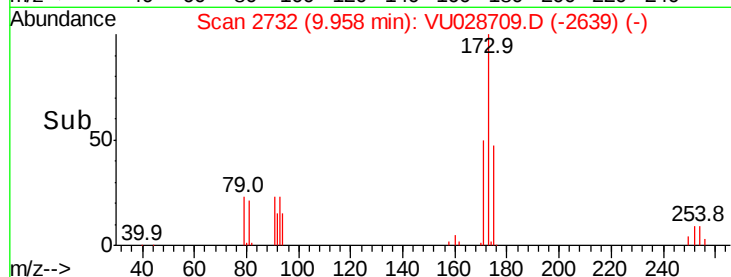
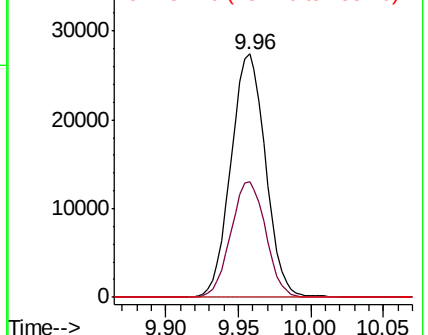
173 100

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: VU028709.D

Acq: 17 Dec 2018 10:17

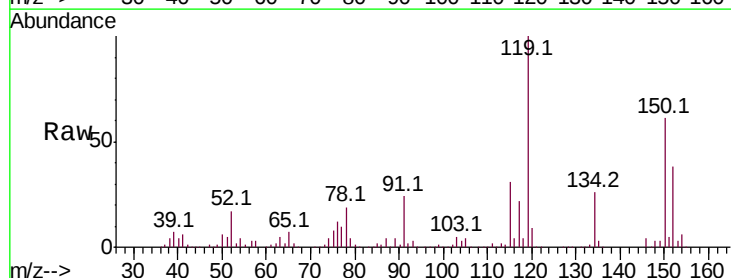
Tgt Ion:152 Resp: 62815

Ion Ratio Lower Upper

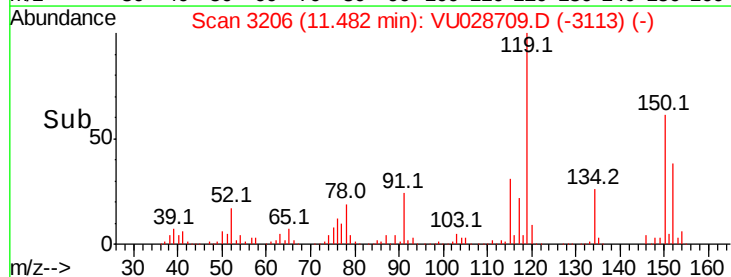
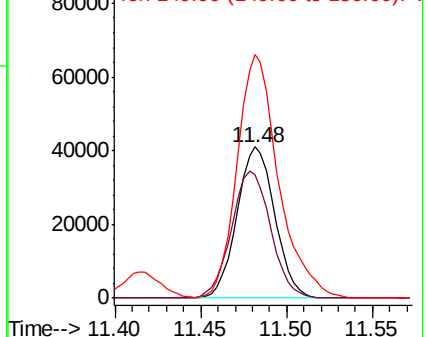
152 100

115 87.3 42.7 128.1

150 176.7 0.0 346.0



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





#73

Isopropylbenzene

Concen: 50.791 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

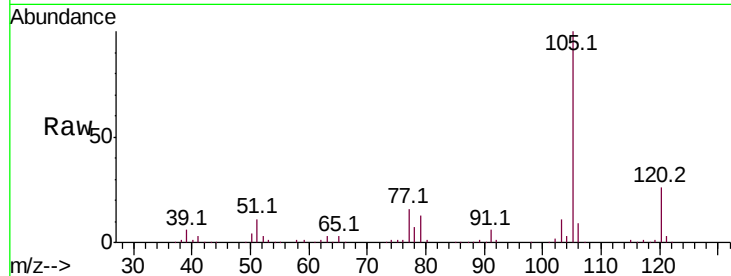
ClientSampleId :

Tot Ion:105 Resp: 244813

Ion Ratio Lower Upper

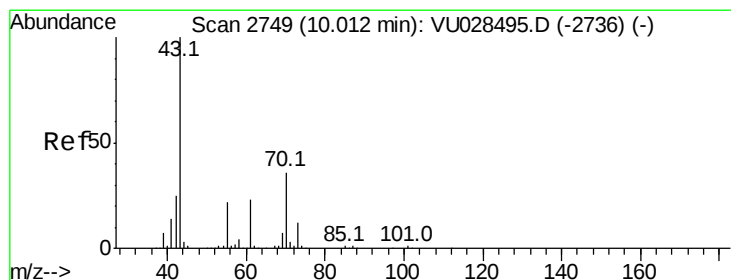
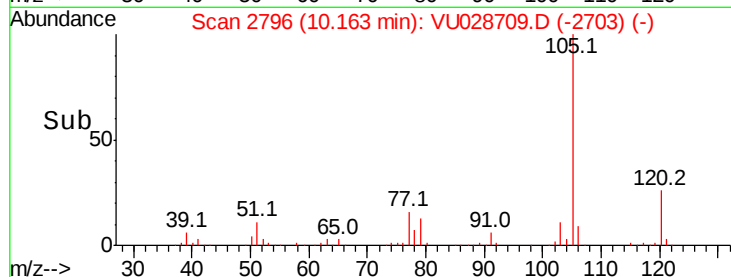
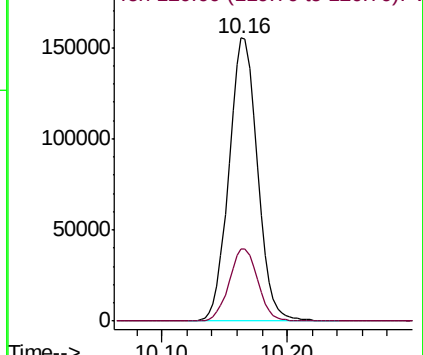
105 100

120 25.8 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: 48.763 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Tgt Ion: 43 Resp: 135578

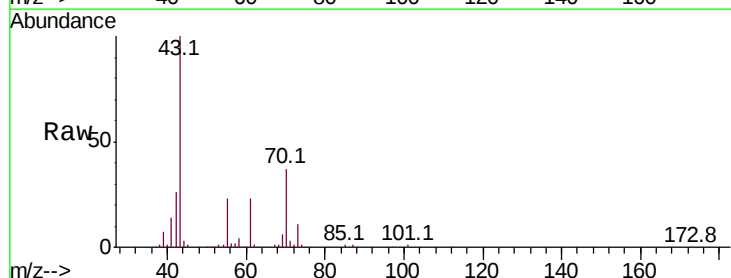
Ion Ratio Lower Upper

43 100

70 36.5 29.3 43.9

55 23.1 18.0 27.0

61 23.0 18.3 27.5

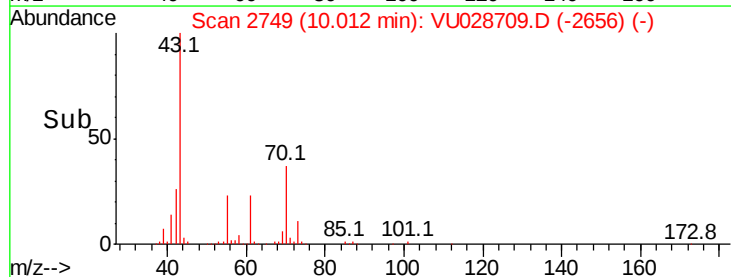
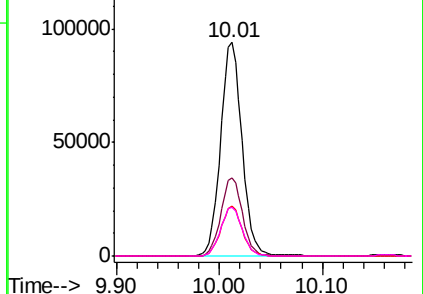


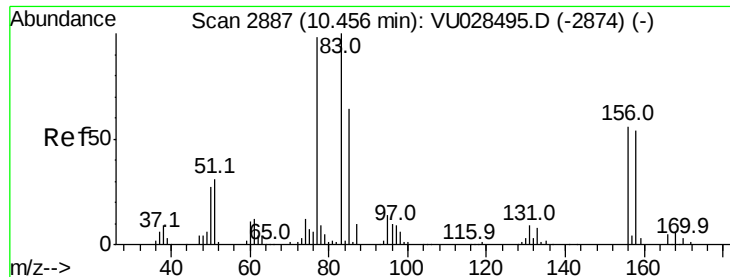
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 52.384 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

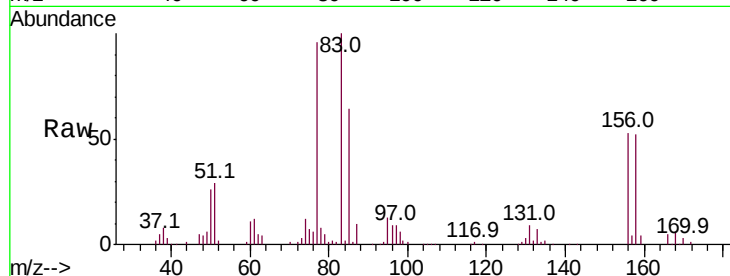
Tot Ion: 83 Resp: 96994

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

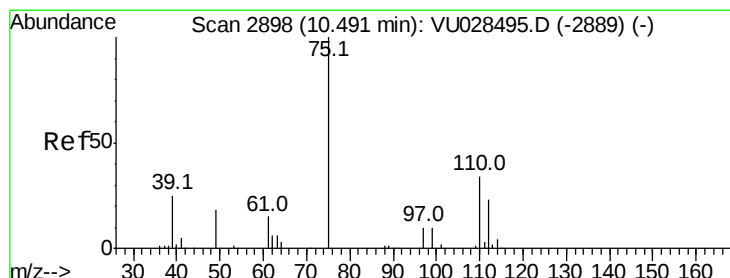
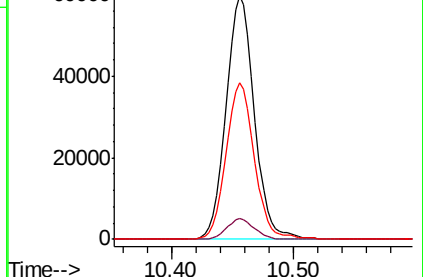
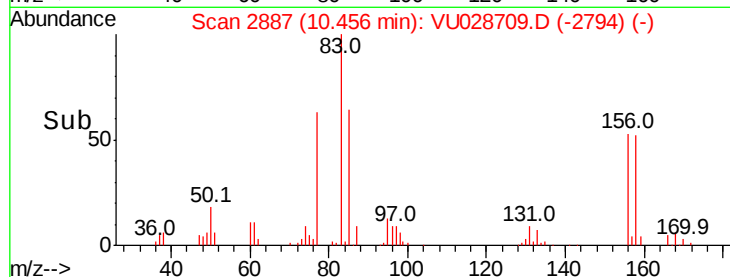
85 64.5 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028709.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028709.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028709.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 71.743 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028709.D

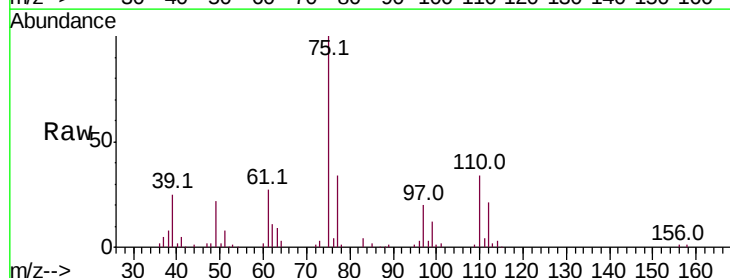
Acq: 17 Dec 2018 10:17

Tgt Ion: 75 Resp: 115075

Ion Ratio Lower Upper

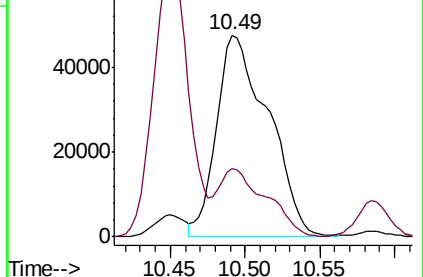
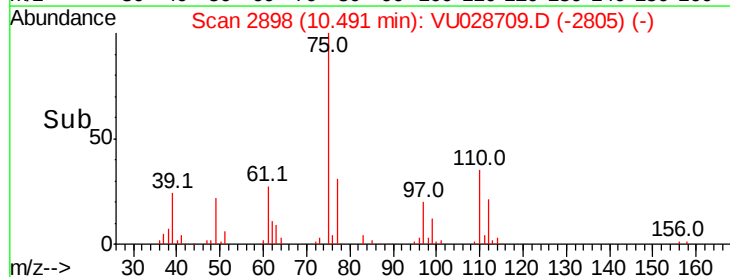
75 100

77 30.4 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028709.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028709.D (-2805) (-)





#77

Bromobenzene

Concen: 51.905 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

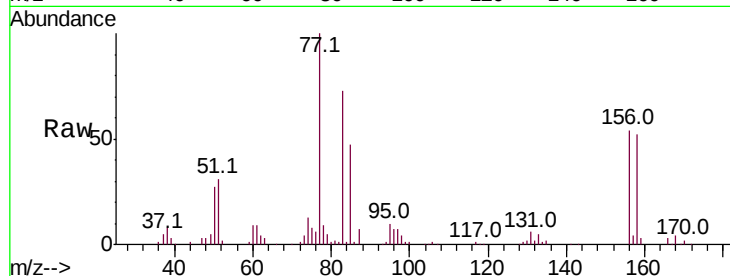
Tot Ion:156 Resp: 58511

Ion Ratio Lower Upper

156 100

77 181.2 92.4 277.2

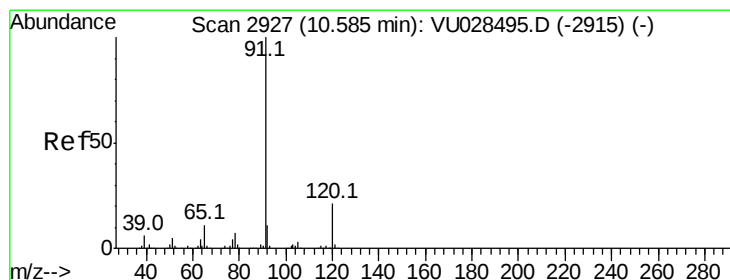
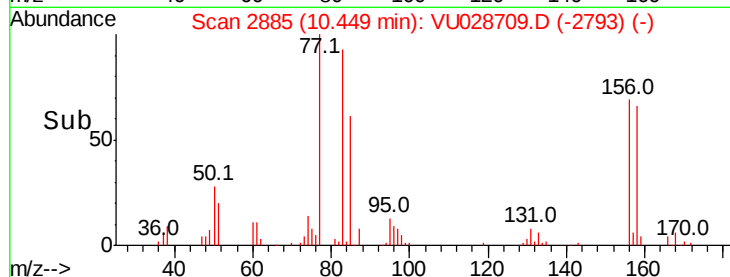
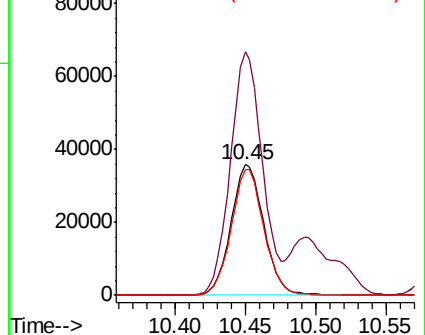
158 96.1 48.4 145.3



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: 51.704 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028709.D

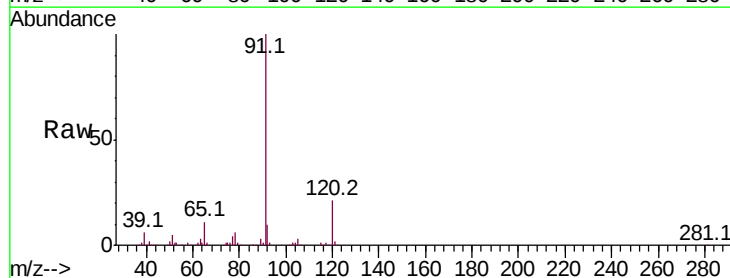
Acq: 17 Dec 2018 10:17

Tgt Ion: 91 Resp: 309670

Ion Ratio Lower Upper

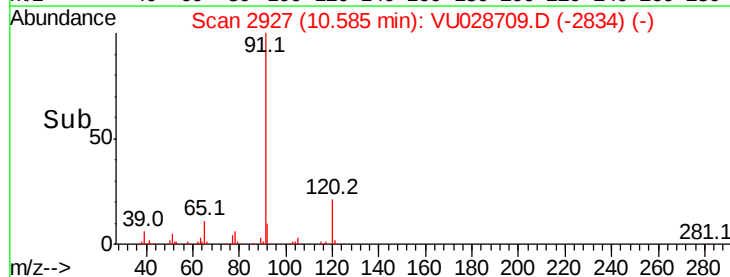
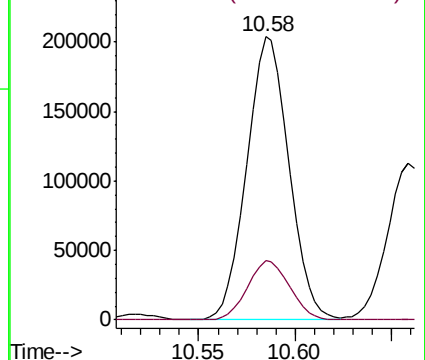
91 100

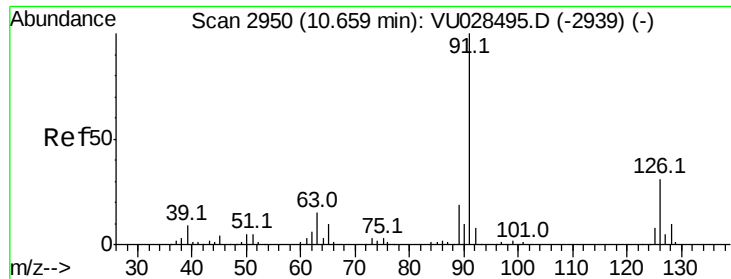
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

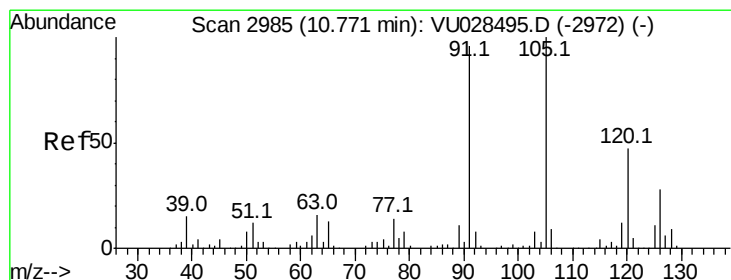
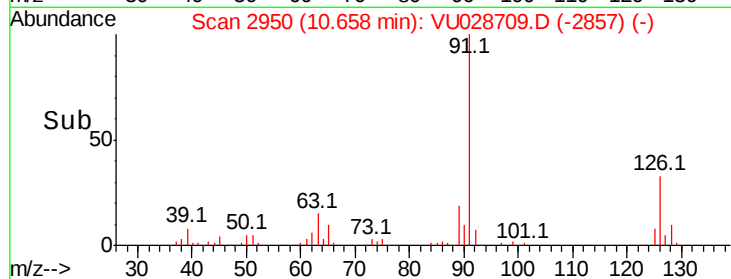
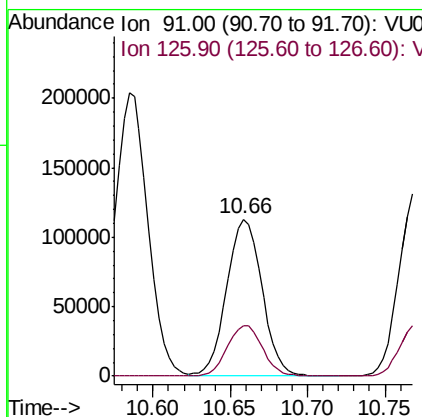
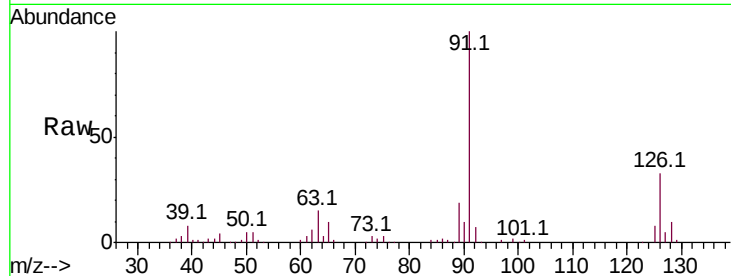




#79
 2-Chlorotoluene
 Concen: 52.133 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

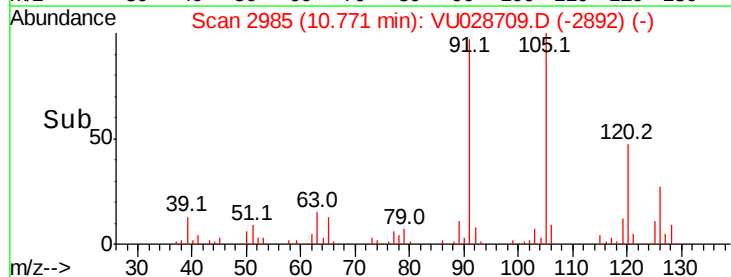
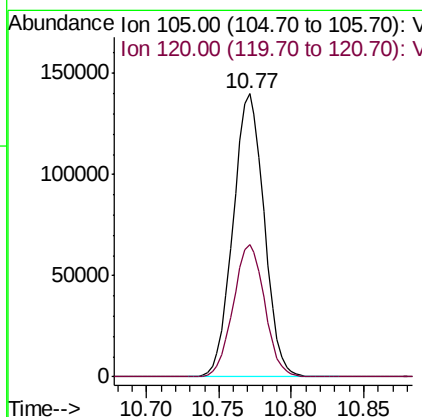
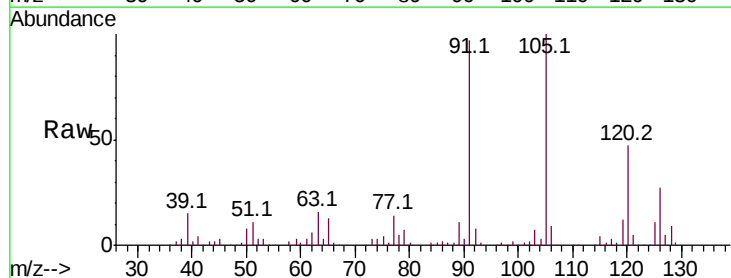
Instrument :
 MSVOA_U
 ClientSampleId :

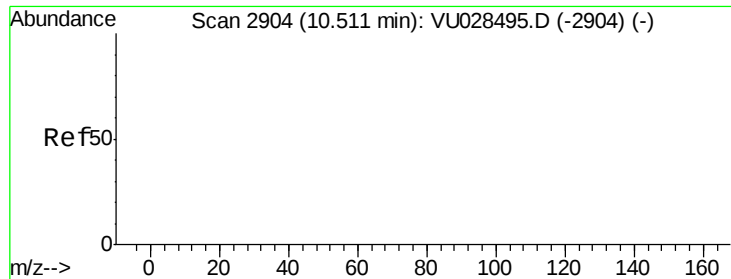
Tot Ion: 91 Resp: 179857
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 52.196 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion:105 Resp: 208255
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 175.068 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028709.D

Acq: 17 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

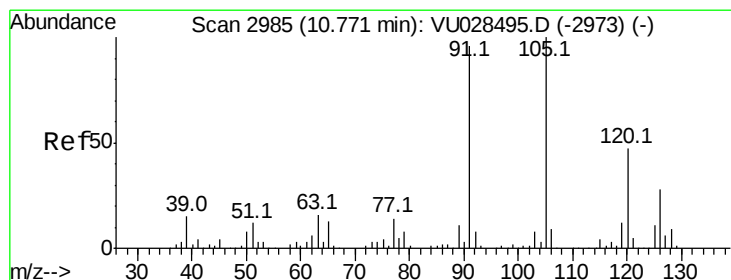
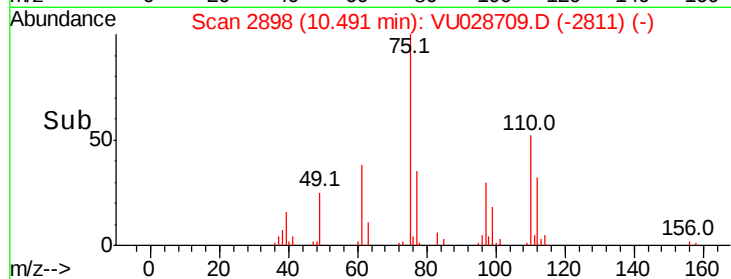
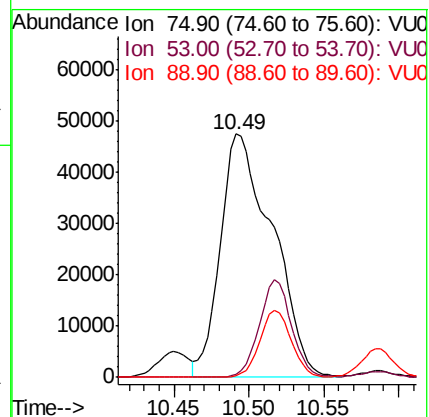
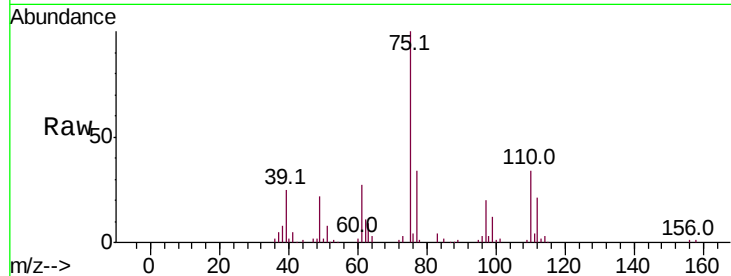
Tot Ion: 75 Resp: 115075

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 51.101 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028709.D

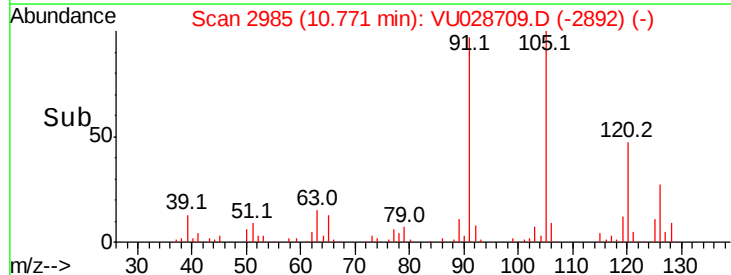
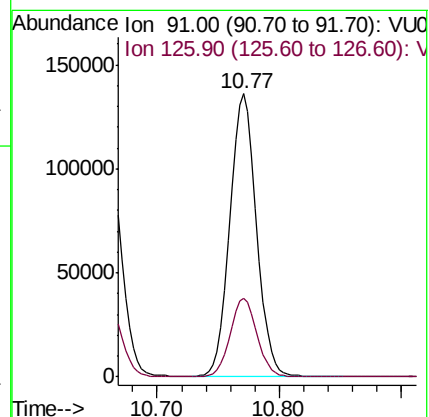
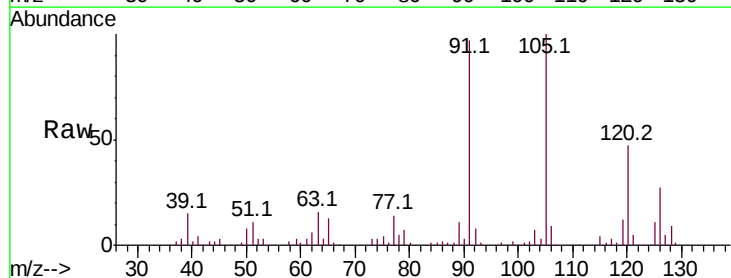
Acq: 17 Dec 2018 10:17

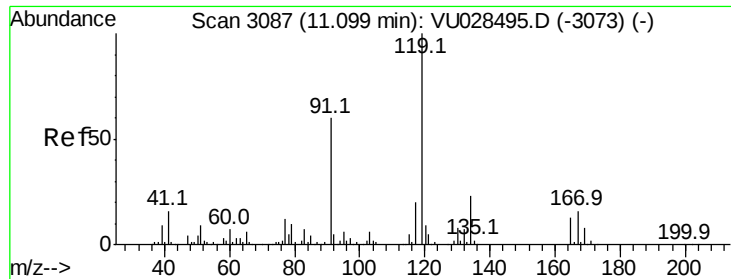
Tgt Ion: 91 Resp: 208914

Ion Ratio Lower Upper

91 100

126 27.9 14.1 42.3

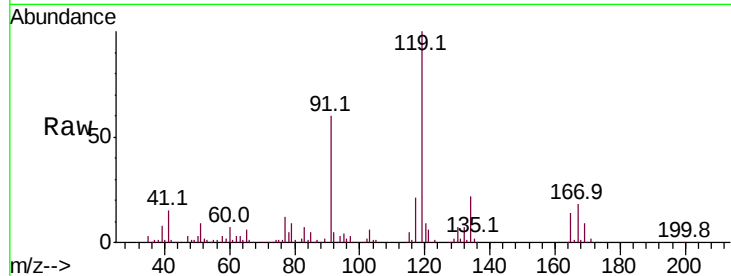




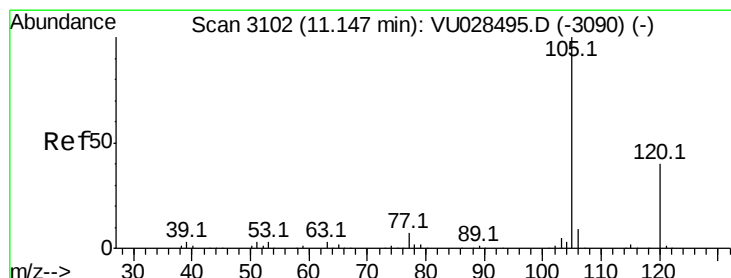
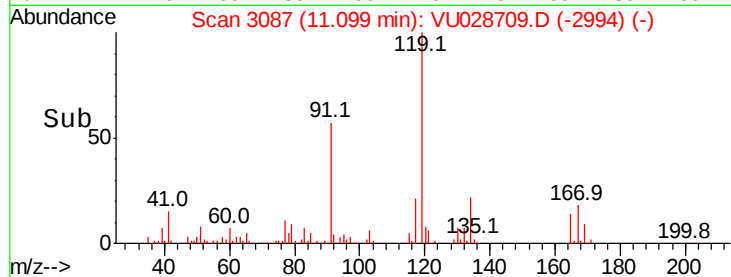
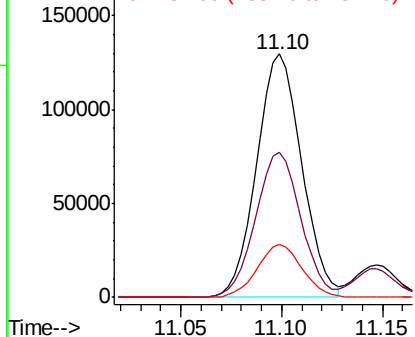
#83
tert-Butylbenzene
Concen: 52.546 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.3	91.0
134	21.5	11.2	33.5

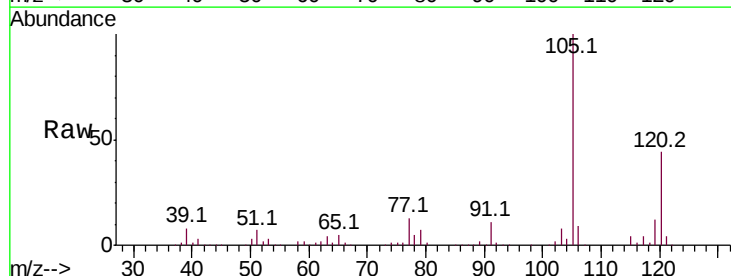


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

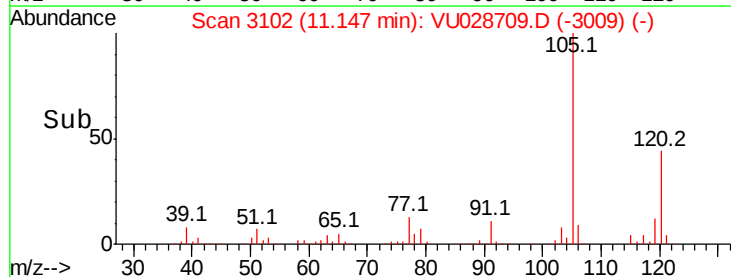
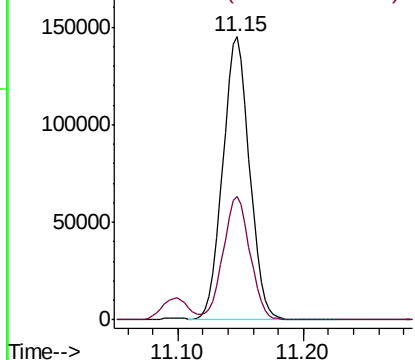


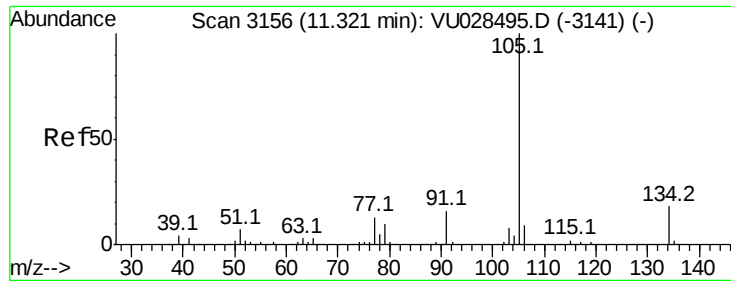
#84
1,2,4-Trimethylbenzene
Concen: 52.408 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

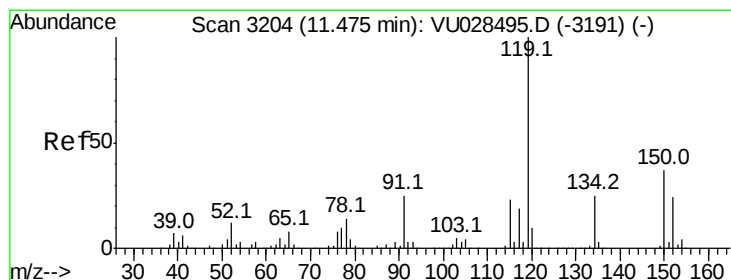
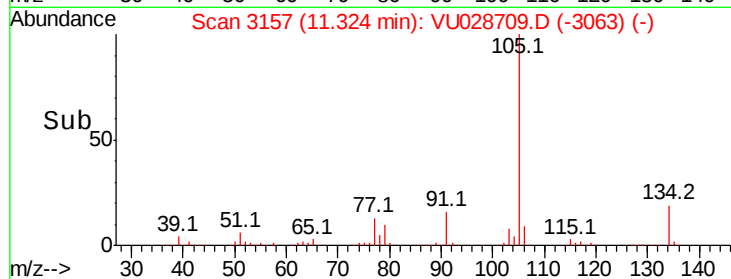
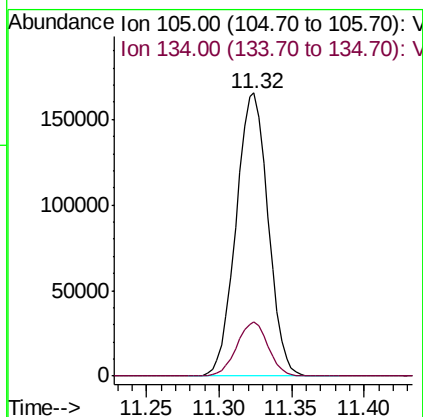
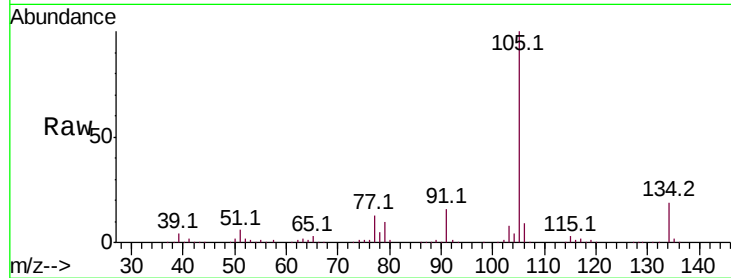




#85
 sec-Butylbenzene
 Concen: 51.450 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

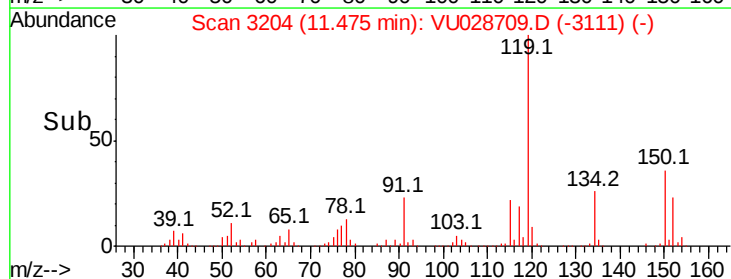
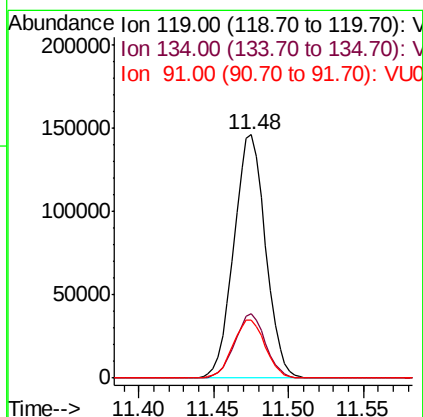
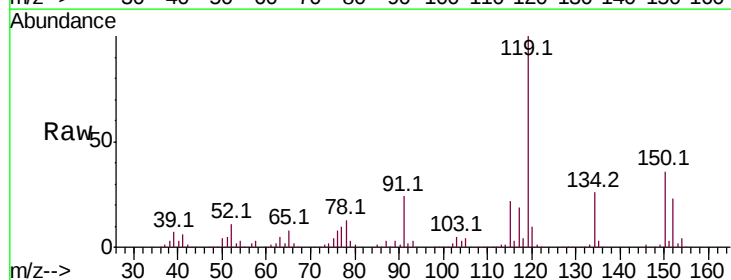
Instrument :
 MSVOA_U
 ClientSampleId :

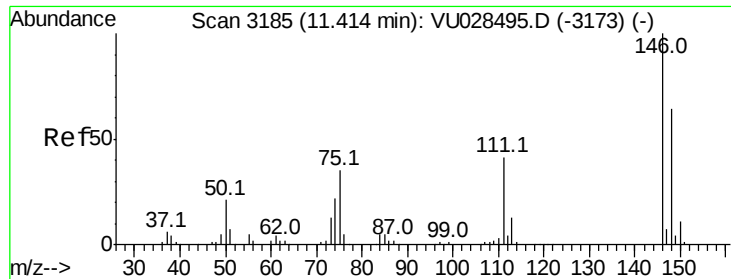
Tot Ion:105 Resp: 254186
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 51.339 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion:119 Resp: 215456
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 24.4 12.6 37.6

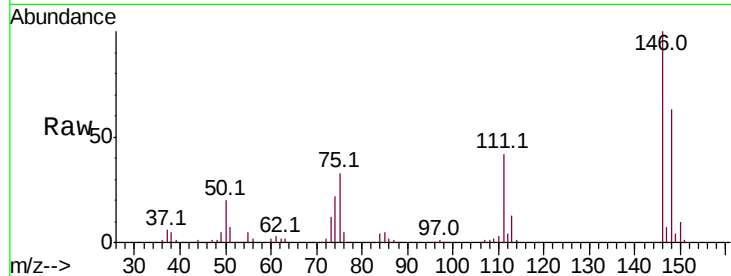




#87
 1,3-Dichlorobenzene
 Concen: 51.418 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	63.5	31.9	95.7

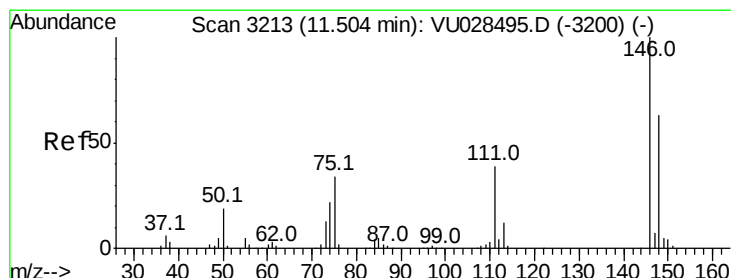
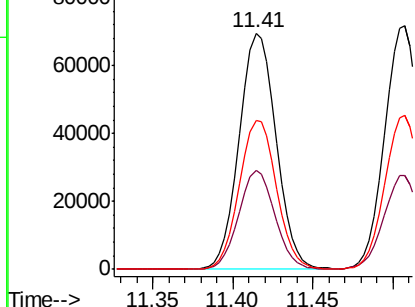
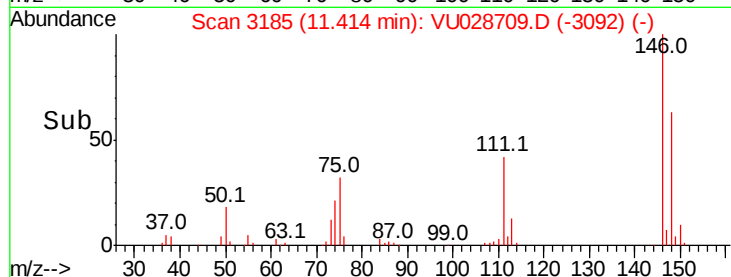


Abundance

Ion 145.90 (145.60 to 146.60): V

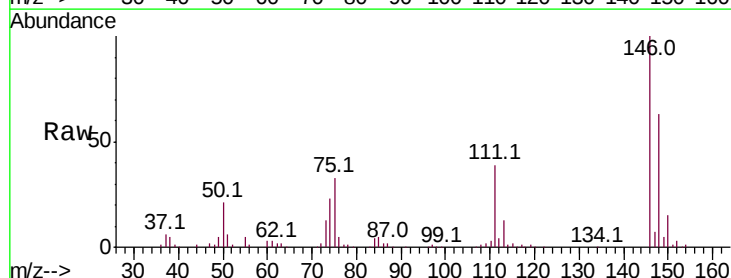
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 51.300 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.2	60.5
148	63.3	31.6	95.0

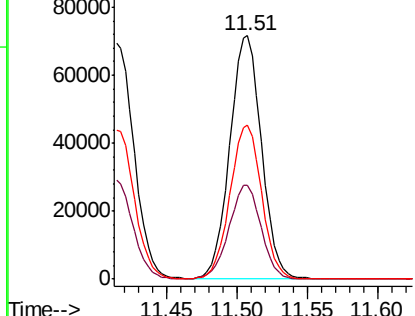
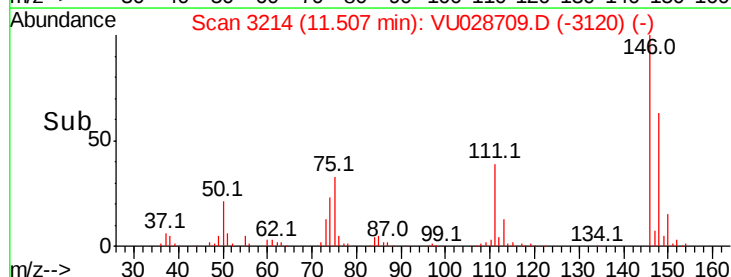


Abundance

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

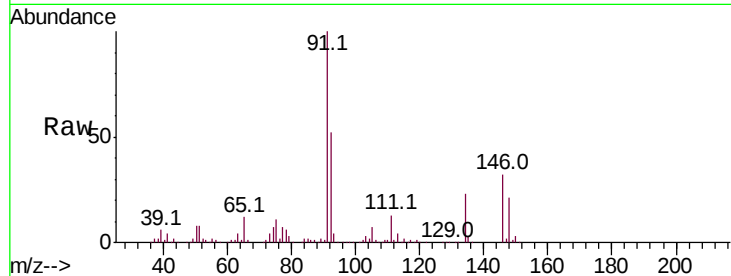




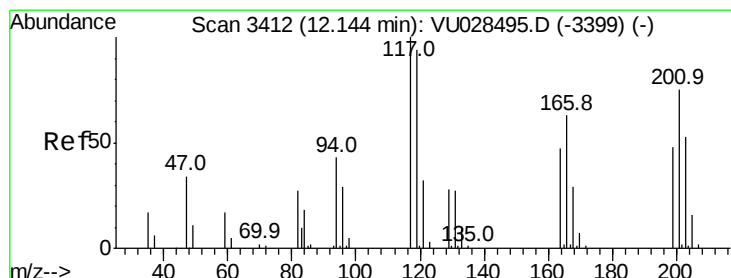
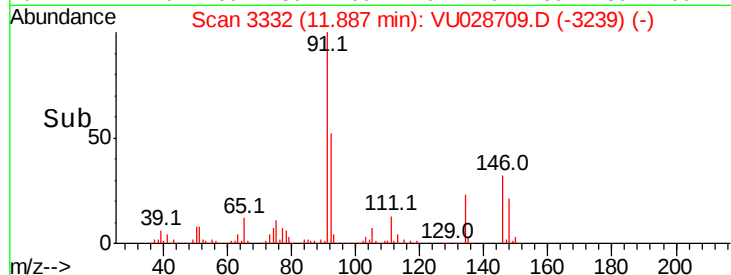
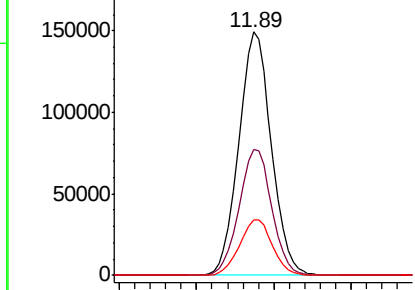
#89
n-Butylbenzene
Concen: 51.279 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 217798
Ion Ratio Lower Upper
91 100
92 51.9 26.3 78.9
134 23.1 11.3 33.8

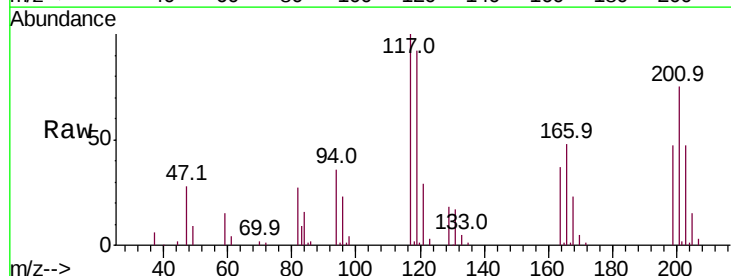


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

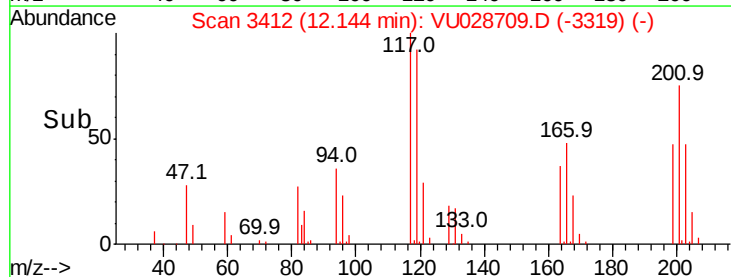
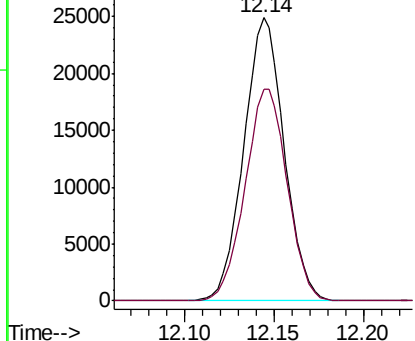


#90
Hexachloroethane
Concen: 62.080 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion: 117 Resp: 39379
Ion Ratio Lower Upper
117 100
201 77.9 38.1 114.5



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

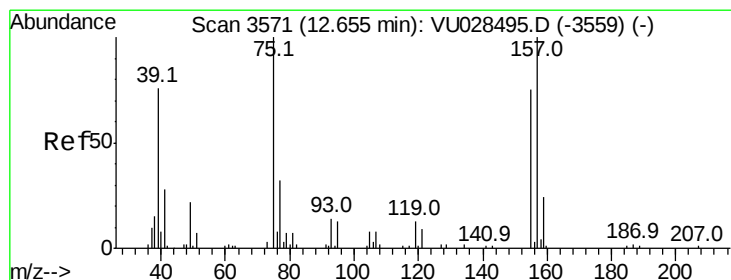
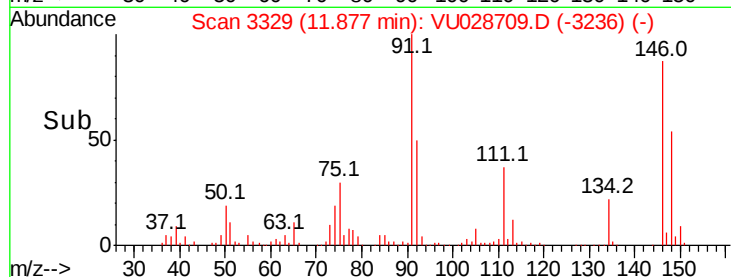
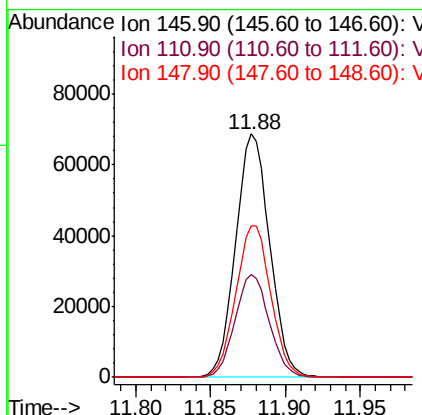
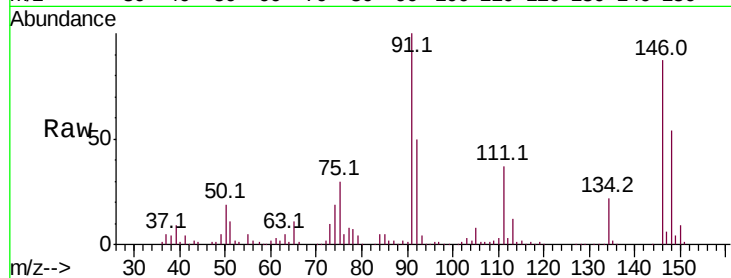




#91
 1,2-Dichlorobenzene
 Concen: 51.260 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

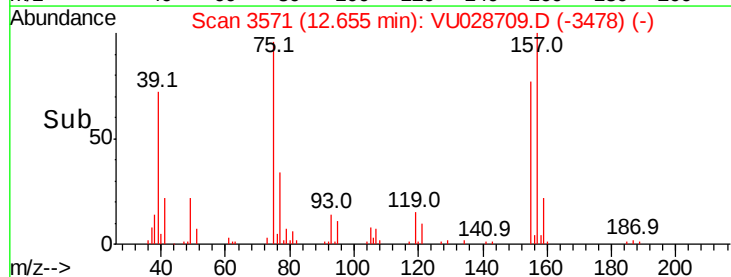
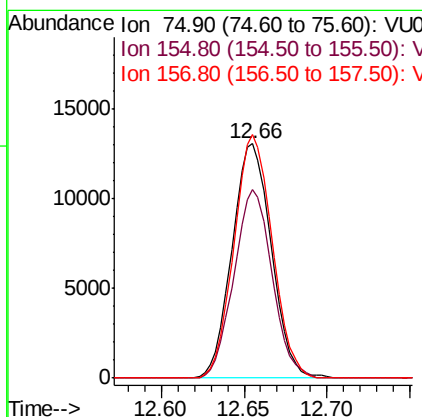
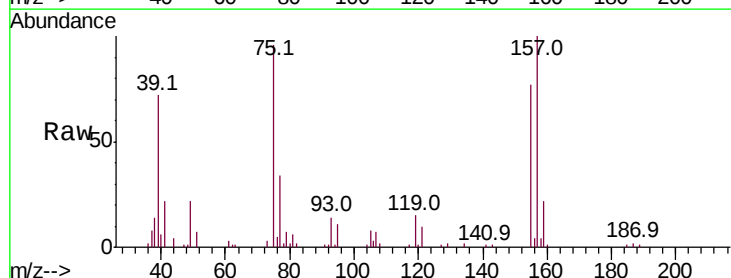
Instrument :
 MSVOA_U
 ClientSampled :

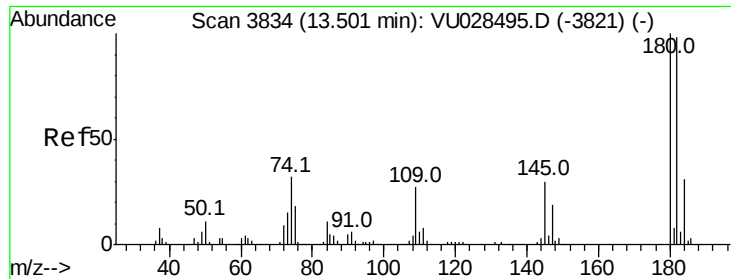
Tot Ion:146 Resp: 109143
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.1 63.4
 148 63.9 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.704 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion: 75 Resp: 21528
 Ion Ratio Lower Upper
 75 100
 155 77.9 38.1 114.5
 157 100.8 48.7 146.1

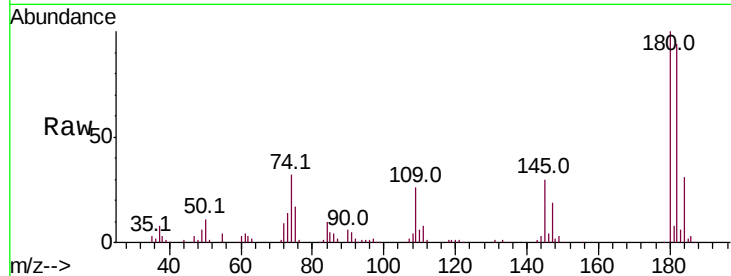




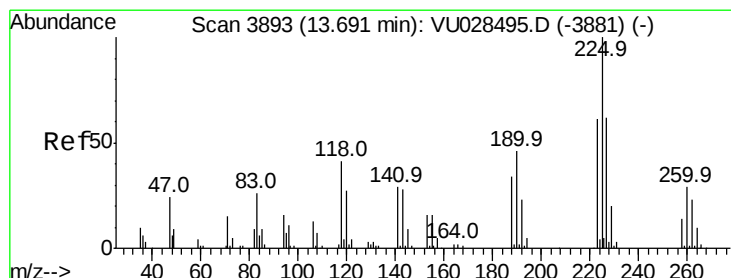
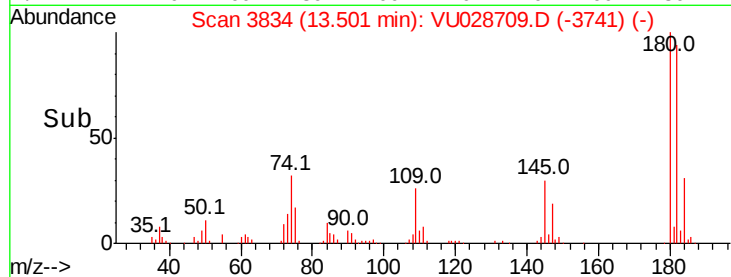
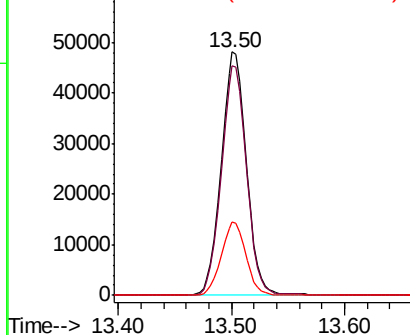
#93
 1,2,4-Trichlorobenzene
 Concen: 50.928 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 74537
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.9 143.8
 145 29.3 15.0 45.1

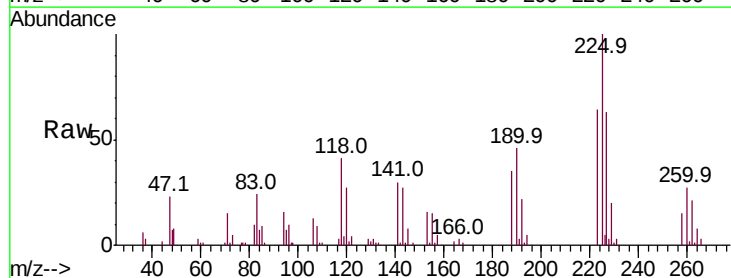


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

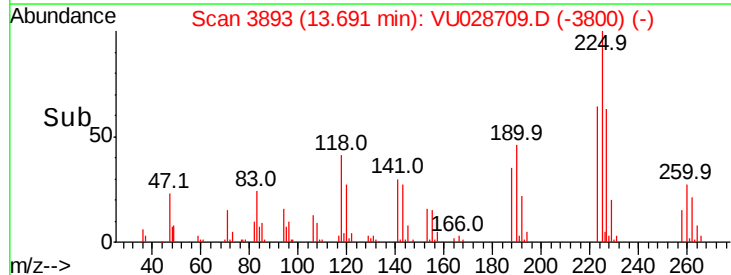
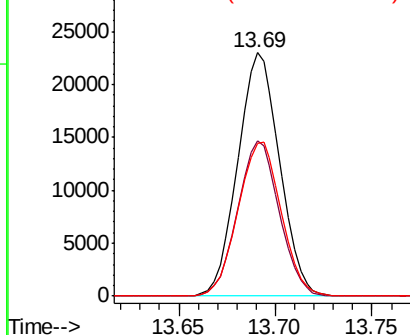


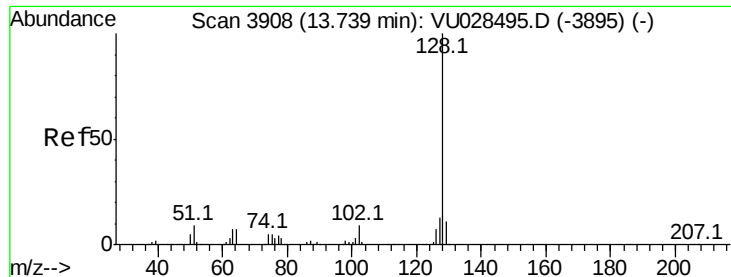
#94
 Hexachlorobutadiene
 Concen: 49.499 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028709.D
 Acq: 17 Dec 2018 10:17

Tgt Ion:225 Resp: 34523
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.4 91.2
 227 65.3 30.7 92.1



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

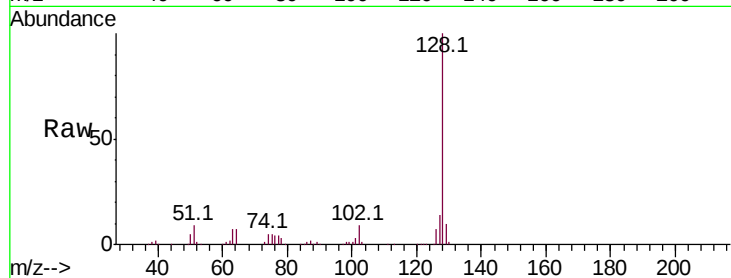




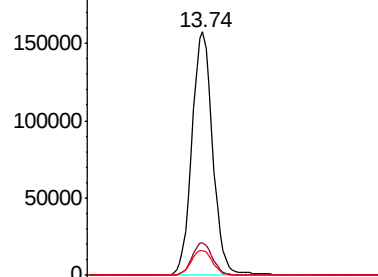
#95
Naphthalene
Concen: 49.033 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :

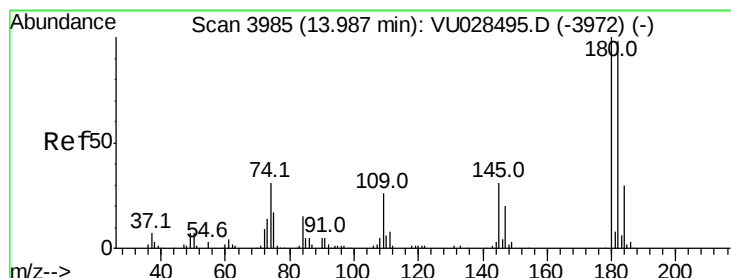
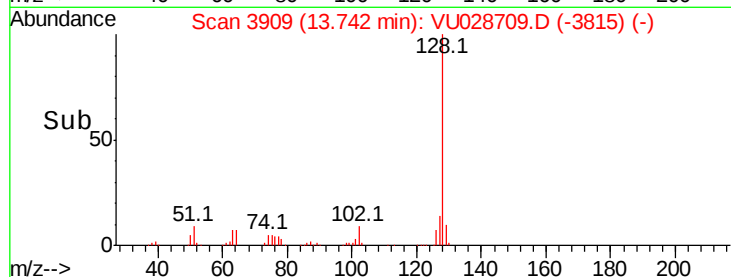
Tot Ion:128 Resp: 250521
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

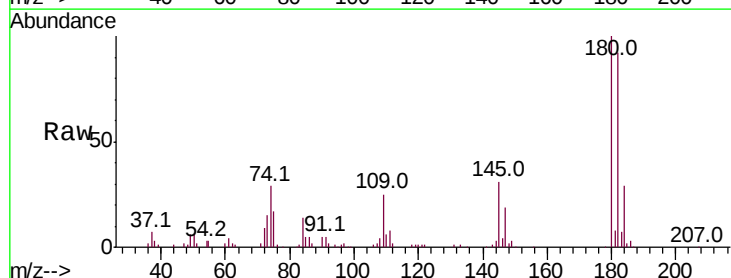


Time-->

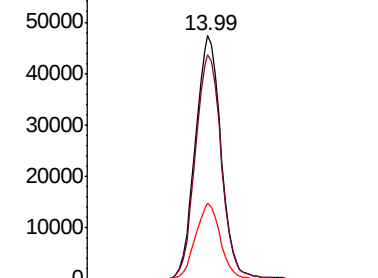


#96
1,2,3-Trichlorobenzene
Concen: 52.774 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028709.D
Acq: 17 Dec 2018 10:17

Tgt Ion:180 Resp: 76860
Ion Ratio Lower Upper
180 100
182 92.7 48.2 144.6
145 30.1 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

