

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033998.D
 Acq On : 2 Jul 2019 23:57
 Operator : SY/AP
 Sample : VL0702ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 03 04:33:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1051642	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2632921	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	3426181	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.55	95	2270345	7.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1765438	8.135	ppbv 99
3) Chlorodifluoromethane	3.00	51	1120284	8.627	ppbv 100
4) Chloromethane	3.16	50	637833	8.542	ppbv 97
5) Vinyl Chloride	3.28	62	710583	8.463	ppbv 96
6) Bromomethane	3.50	94	463138	9.353	ppbv 96
7) Chloroethane	3.58	64	273466	9.113	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	1855190	8.768	ppbv 99
9) Propene	3.02	41	439136	9.192	ppbv 96
10) Heptane	8.22	43	1268462	10.604	ppbv 99
11) Trichlorofluoromethane	3.99	101	1999059	8.192	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1527503	8.843	ppbv 100
13) Ethanol	3.64	45	123725	8.337	ppbv 95
14) Bromoethene	3.77	108	613901	9.517	ppbv 99
15) Acetone	3.89	43	1337798	7.566	ppbv 100
16) 1,3-Butadiene	3.35	39	604574	9.683	ppbv 99
17) tert-Butyl alcohol	4.34	59	1326483	9.410	ppbv 99
18) 1,1-Dichloroethene	4.33	96	663904	8.630	ppbv 95
19) Isopropyl Alcohol	4.01	45	1004756	8.466	ppbv 99
20) Methylene Chloride	4.39	84	609481	7.904	ppbv 94
21) Allyl Chloride	4.46	41	1014646	9.203	ppbv 99
22) trans-1,2-Dichloroethene	4.94	96	688542	9.393	ppbv 96
23) Vinyl Acetate	5.13	43	1778860	10.080	ppbv 99
24) 1,1-Dichloroethane	5.07	63	1415738	9.052	ppbv 100
25) Ethyl Acetate	5.75	43	2478146	10.247	ppbv 100
26) Hexane	5.75	57	1142726	10.326	ppbv 99
27) Carbon Disulfide	4.60	76	1750110	9.302	ppbv 100
28) Methyl tert-Butyl Ether	5.09	73	1868564	9.970	ppbv 99
29) Chloroform	5.83	83	1962841	9.438	ppbv 97
30) Cyclohexane	7.22	84	920125	10.766	ppbv 96
31) cis-1,2-Dichloroethene	5.62	61	1174673	10.986	ppbv 98
32) 1,1,1-Trichloroethane	6.59	97	1893318	8.982	ppbv 99
34) 2-Butanone	5.31	43	1468555	10.539	ppbv 100
35) Carbon Tetrachloride	7.11	117	2046201	9.817	ppbv 99
36) Benzene	6.98	78	2215202	10.752	ppbv 98
37) 1,2-Dichloroethane	6.39	62	1488512	9.807	ppbv 100
38) Trichloroethene	7.93	130	984816	10.743	ppbv 96
39) 1,2-Dichloropropane	7.71	63	793372	10.356	ppbv 97
40) 1,4-Dioxane	7.93	88	366185	10.353	ppbv # 97
41) Tetrahydrofuran	6.12	42	783983	11.472	ppbv 99
42) Bromodichloromethane	7.89	83	2071945	10.174	ppbv 99
43) Methyl Methacrylate	8.11	69	908145	11.618	ppbv 99

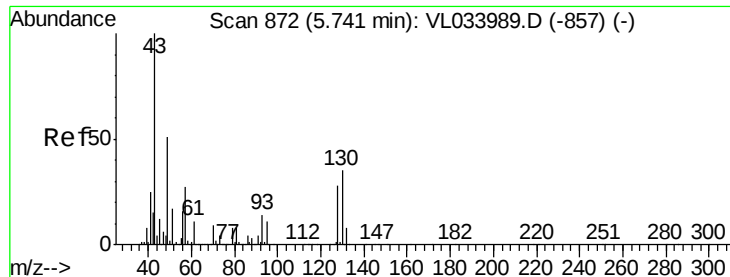
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
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Instrument :
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.97	57	3774042	10.613	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	1317728	12.892	ppbv	99
46) cis-1,3-Dichloropropene	8.81	75	1403058	11.852	ppbv	95
47) 1,1,2-Trichloroethane	9.59	97	1001503	10.398	ppbv	97
48) Dibromochloromethane	10.43	129	1866950	10.158	ppbv	99
49) Bromoform	13.17	173	1795879	11.438	ppbv	100
50) 4-Methyl-2-Pentanone	8.84	43	2208749	10.682	ppbv	100
51) 2-Hexanone	10.24	43	1855255	11.125	ppbv #	100
52) Tetrachloroethene	11.34	164	959423	10.820	ppbv	97
53) Toluene	9.92	91	2790563	11.833	ppbv	100
54) 1,2-Dibromoethane	10.73	107	1624469	11.428	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.25	131	1248383	8.152	ppbv	96
57) Chlorobenzene	12.27	112	2189094	8.025	ppbv	95
58) Ethyl Benzene	12.83	91	3949534	9.586	ppbv	99
59) m/p-Xylene	13.12	91	3186974	8.543	ppbv #	25
60) o-Xylene	13.82	91	1575148	4.221	ppbv #	27
61) Styrene	13.65	104	2479958	10.041	ppbv	99
62) Isopropylbenzene	14.79	105	4451876	7.760	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.80	83	2299211	7.959	ppbv	99
64) n-propylbenzene	15.69	120	1161903	7.810	ppbv	94
65) tert-Butylbenzene	16.88	119	3986985	8.172	ppbv	99
66) Benzyl Chloride	17.12	91	2235088	8.954	ppbv	100
67) sec-Butylbenzene	17.43	105	5548938	8.103	ppbv	100
69) p-Isopropyltoluene	17.78	119	4608372	8.162	ppbv	100
70) n-Butylbenzene	18.68	91	4760981	8.027	ppbv	99
71) 2-Chlorotoluene	15.59	91	3330658	7.933	ppbv	99
72) 4-Ethyltoluene	15.97	105	3901297	8.140	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	3734875	8.375	ppbv	98
74) 1,2,4-Trimethylbenzene	16.89	105	3874943	7.845	ppbv	96
75) 1,3-Dichlorobenzene	17.13	146	2313932	7.375	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	2297301	7.774	ppbv	99
77) 1,2-Dichlorobenzene	17.95	146	2190656	7.540	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1687394	6.826	ppbv	98
79) Naphthalene	22.37	128	3655156	8.802	ppbv	97
80) Naphthalene, 2-methyl-	25.09	142	1188057	7.862	ppbv	99
81) 1,2,4-Trichlorobenzene	22.10	180	2186086	8.197	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 872

Delta R.T. -0.00 min

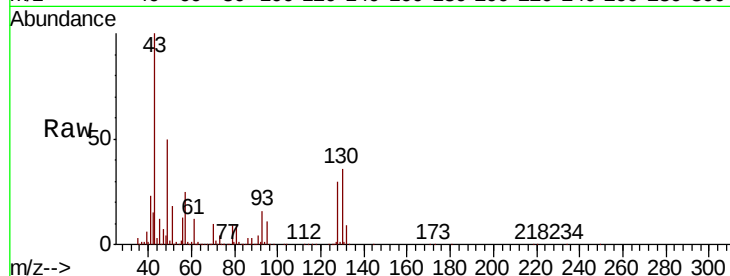
Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1051642

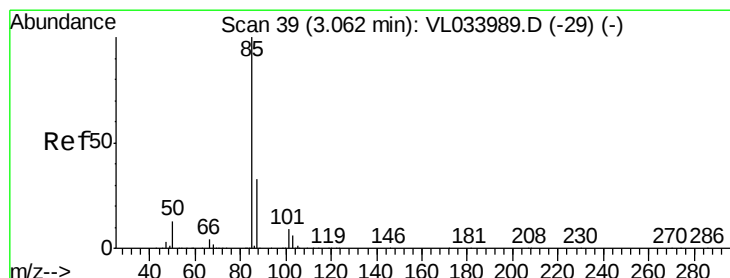
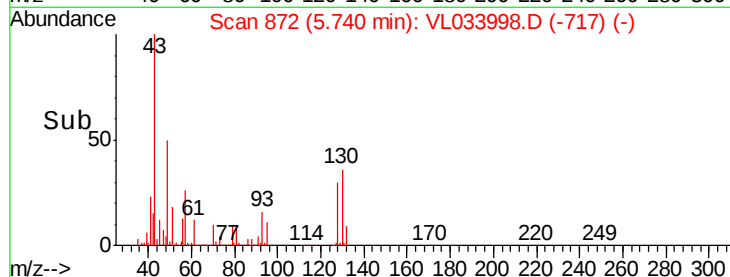
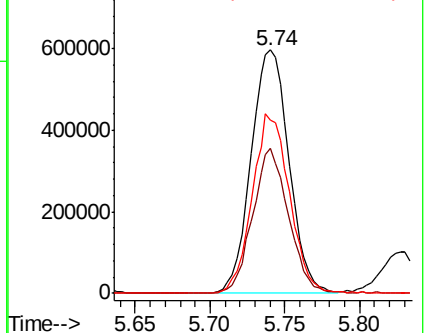
Ion	Ratio	Lower	Upper
49	100		
128	56.8	27.9	83.6
130	72.7	35.8	107.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.135 ppbv

RT: 3.06 min Scan# 39

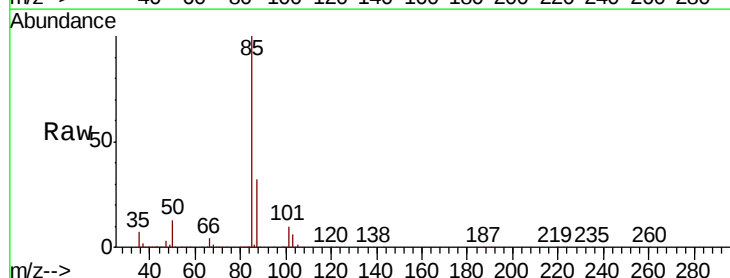
Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

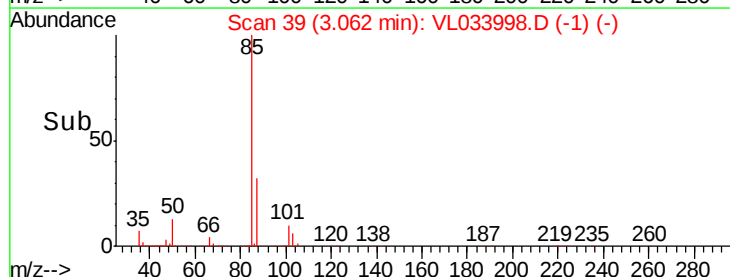
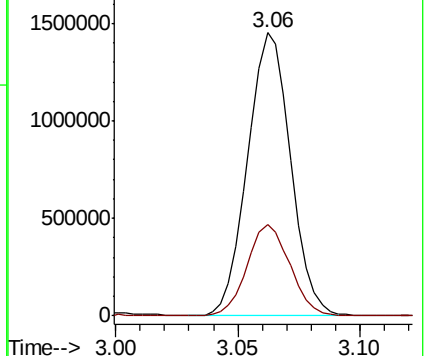
Tgt Ion: 85 Resp: 1765438

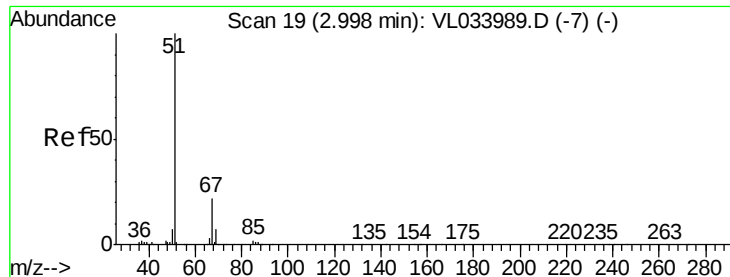
Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.0	39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

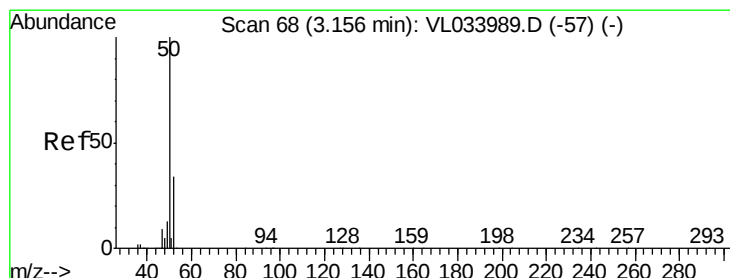
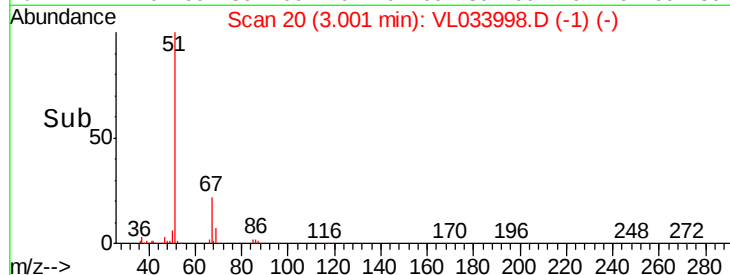
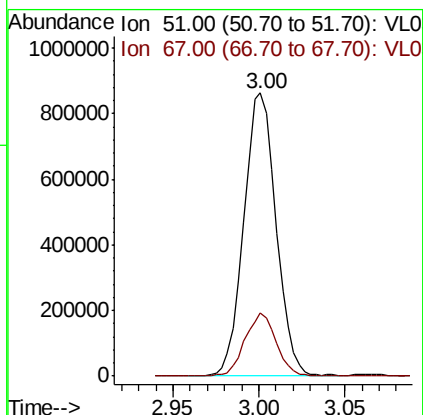
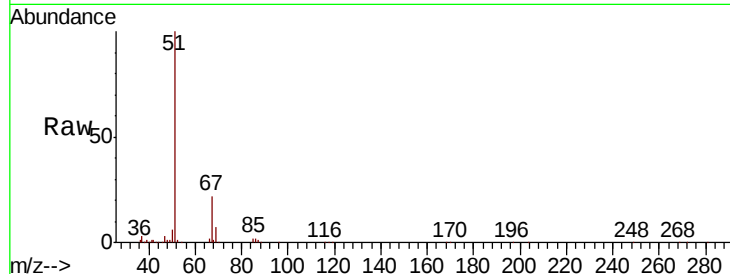




#3
 Chlorodifluoromethane
 Concen: 8.627 ppbv
 RT: 3.00 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

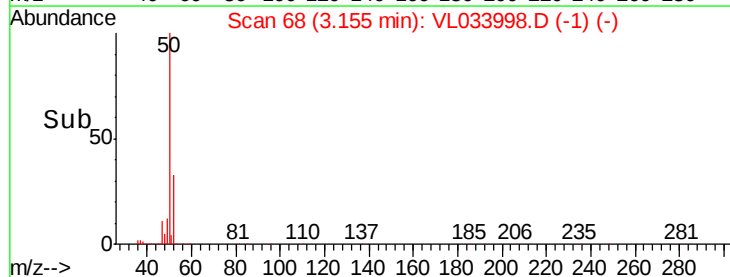
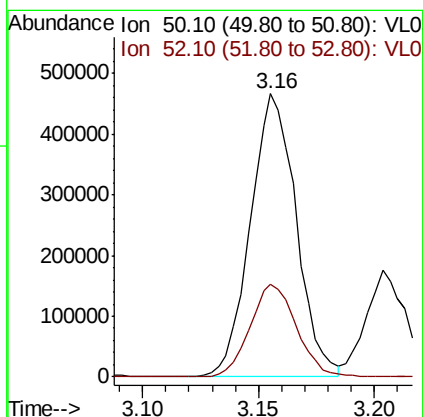
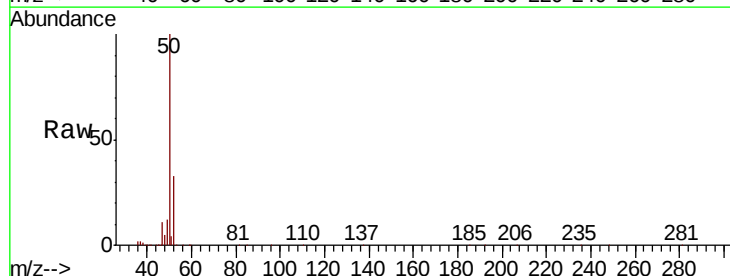
Instrument :
 MSVOA_L
 ClientSampleId :

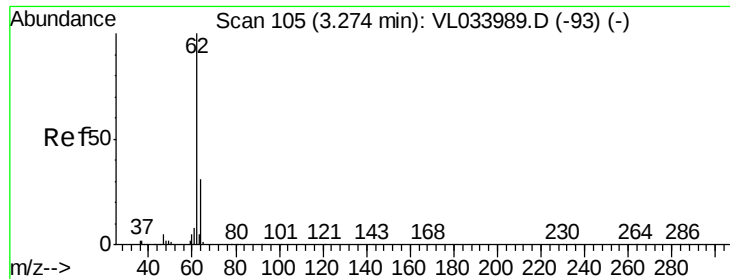
Tot Ion: 51 Resp: 1120284
 Ion Ratio Lower Upper
 51 100
 67 21.6 17.3 25.9



#4
 Chloromethane
 Concen: 8.542 ppbv
 RT: 3.16 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Tgt Ion: 50 Resp: 637833
 Ion Ratio Lower Upper
 50 100
 52 32.7 27.4 41.0





#5

Vinyl Chloride

Concen: 8.463 ppbv

RT: 3.28 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

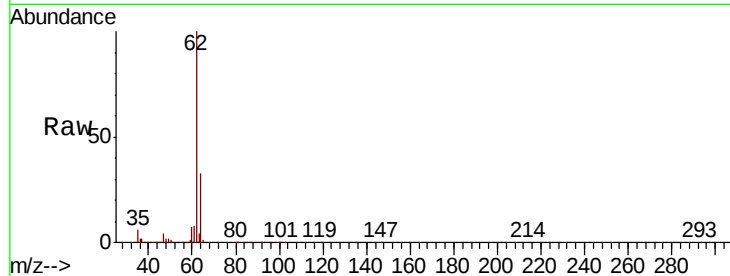
ClientSampled :

Tot Ion: 62 Resp: 710583

Ion Ratio Lower Upper

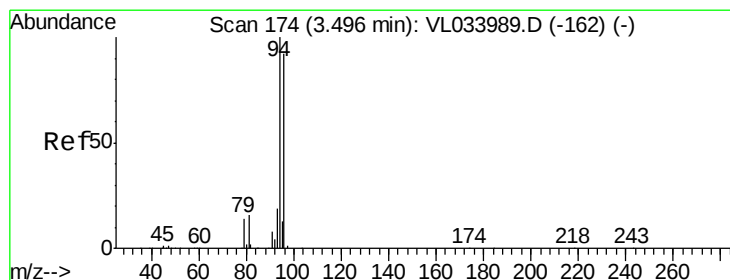
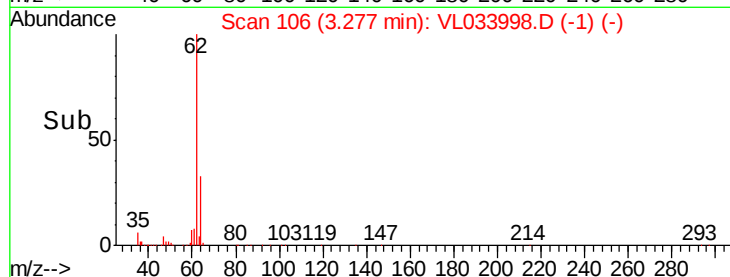
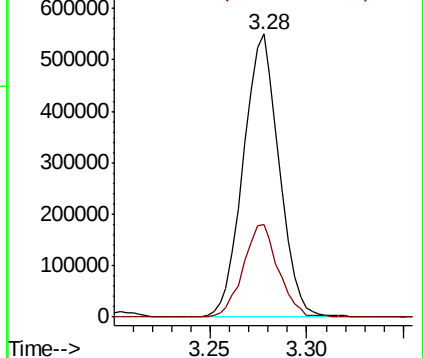
62 100

64 32.8 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.353 ppbv

RT: 3.50 min Scan# 174

Delta R.T. -0.00 min

Lab File: VL033998.D

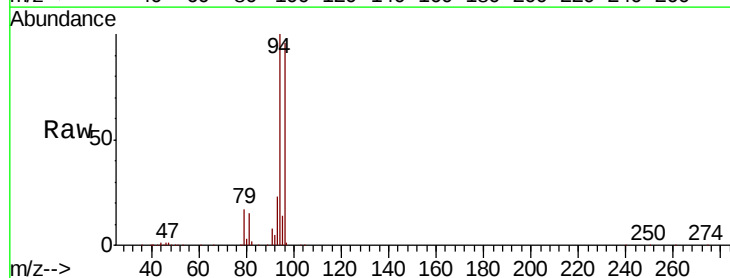
Acq: 2 Jul 2019 23:57

Tgt Ion: 94 Resp: 463138

Ion Ratio Lower Upper

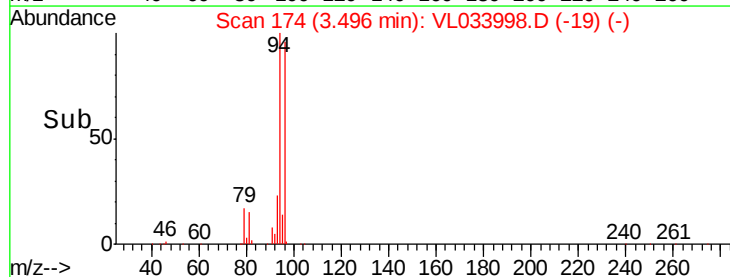
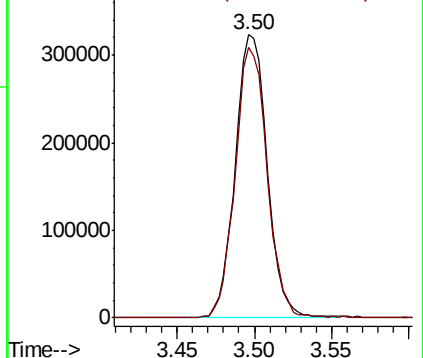
94 100

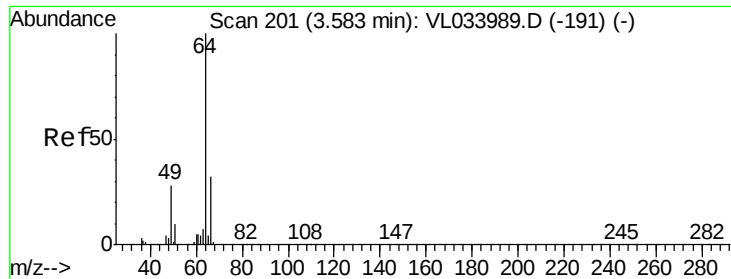
96 95.7 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.113 ppbv

RT: 3.58 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

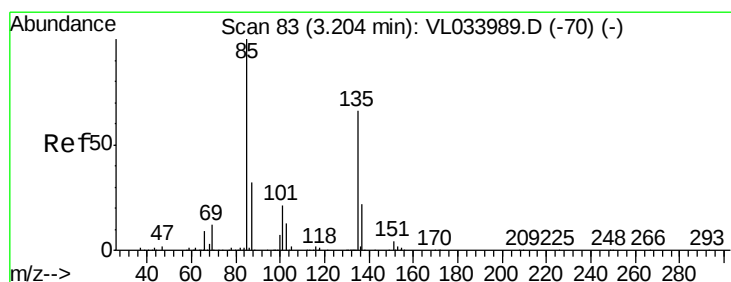
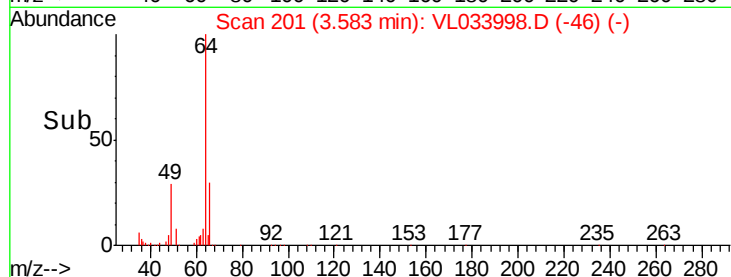
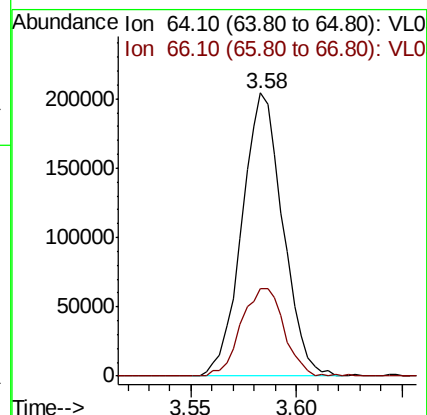
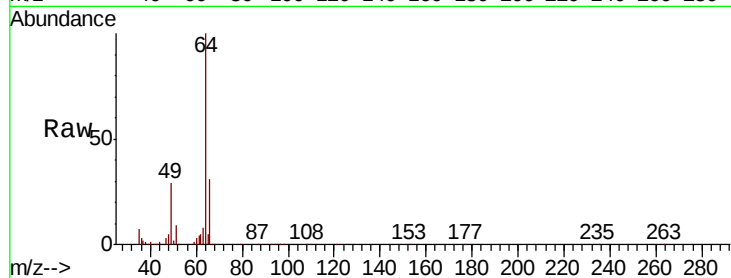
ClientSampleId :

Tot Ion: 64 Resp: 273466

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 8.768 ppbv

RT: 3.20 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL033998.D

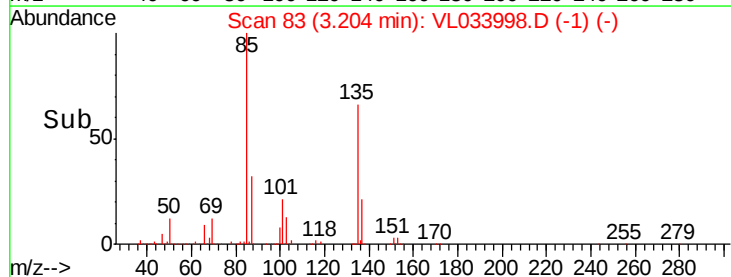
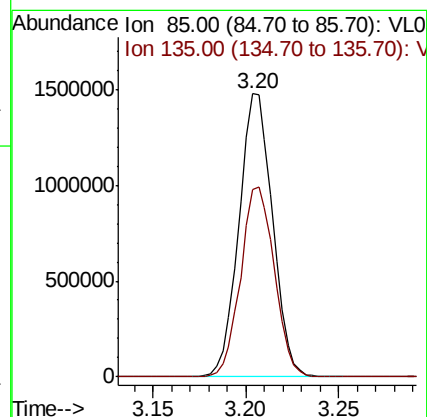
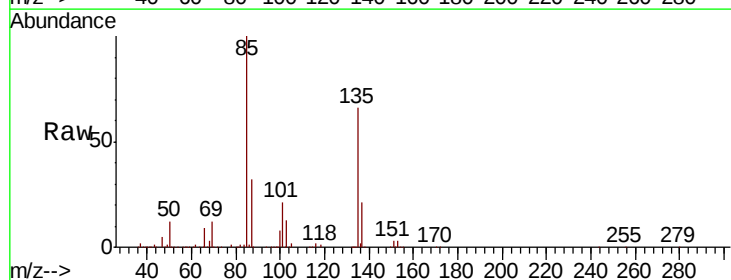
Acq: 2 Jul 2019 23:57

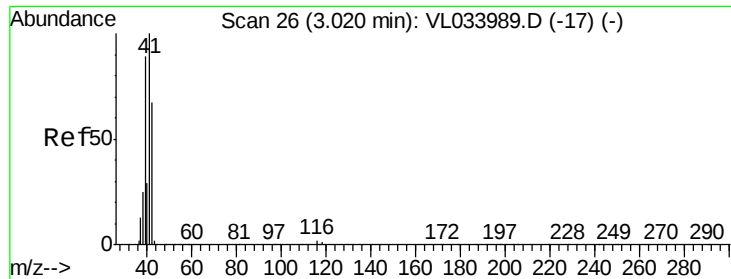
Tgt Ion: 85 Resp: 1855190

Ion Ratio Lower Upper

85 100

135 67.8 55.0 82.4





#9

Propene

Concen: 9.192 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

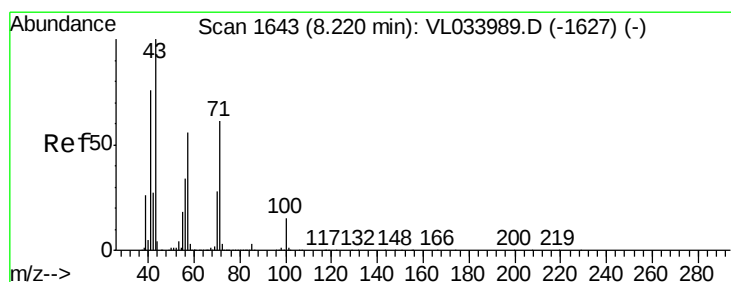
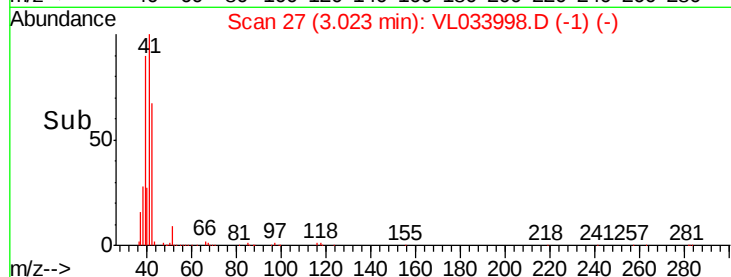
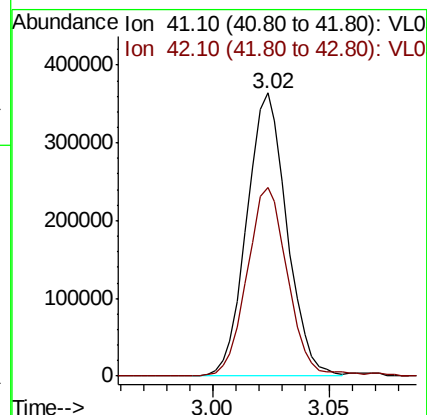
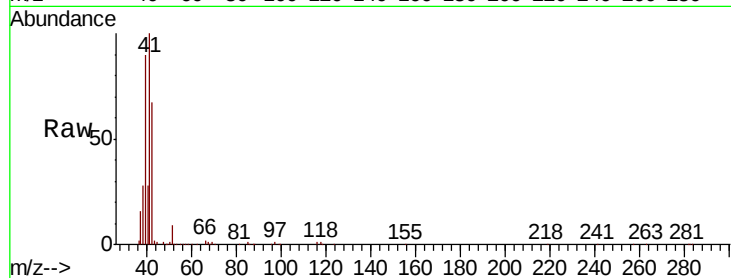
ClientSampleId :

Tot Ion: 41 Resp: 439136

Ion Ratio Lower Upper

41 100

42 68.2 57.1 85.7



#10

Heptane

Concen: 10.604 ppbv

RT: 8.22 min Scan# 1642

Delta R.T. -0.00 min

Lab File: VL033998.D

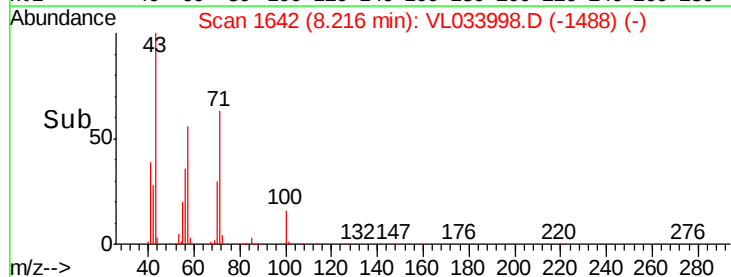
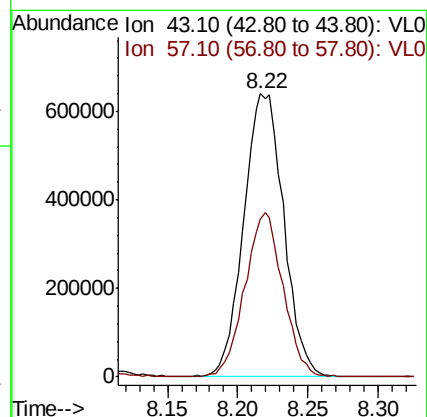
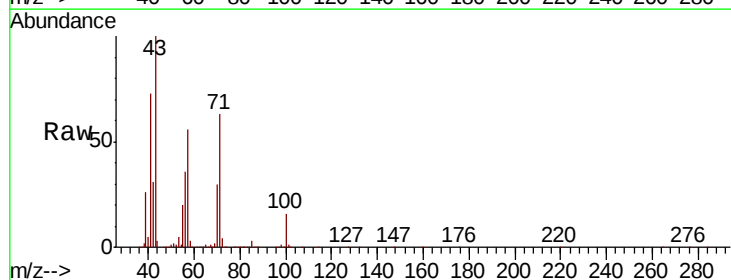
Acq: 2 Jul 2019 23:57

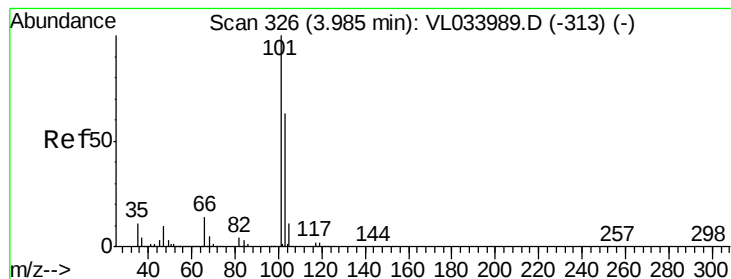
Tgt Ion: 43 Resp: 1268462

Ion Ratio Lower Upper

43 100

57 55.3 44.6 66.8





#11

Trichlorofluoromethane

Concen: 8.192 ppbv

RT: 3.99 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

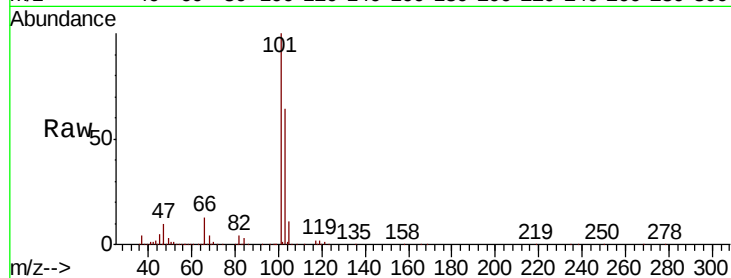
ClientSampled :

Tot Ion:101 Resp: 1999059

Ion Ratio Lower Upper

101 100

103 64.1 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

1500000 Ion 103.00 (102.70 to 103.70): V

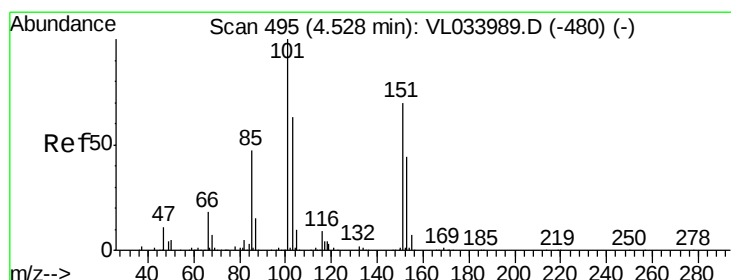
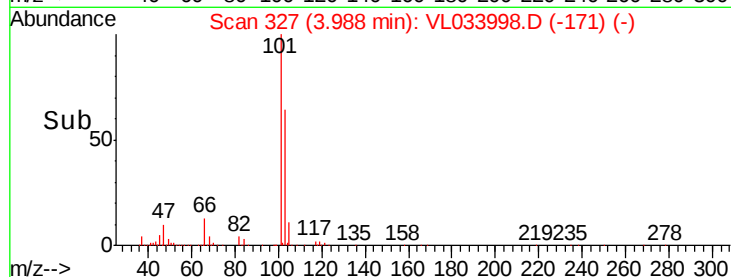
3.99

1000000

500000

0

Time--> 3.90 3.95 4.00 4.05



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.843 ppbv

RT: 4.53 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL033998.D

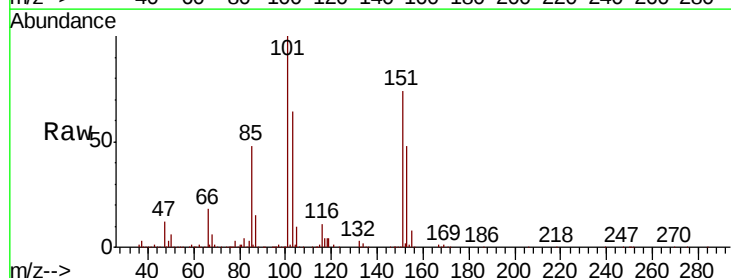
Acq: 2 Jul 2019 23:57

Tgt Ion:101 Resp: 1527503

Ion Ratio Lower Upper

101 100

151 73.5 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): V

1000000 Ion 151.00 (150.70 to 151.70): V

4.53

800000

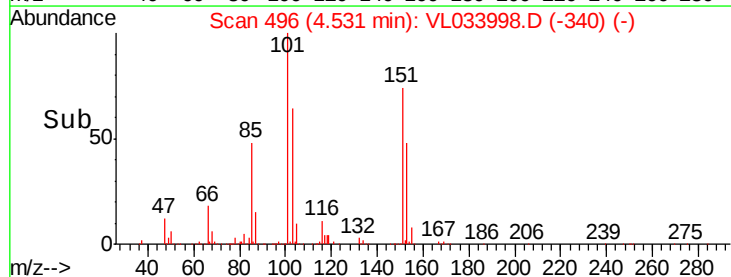
600000

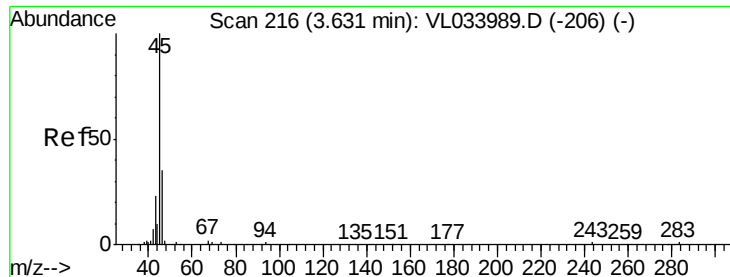
400000

200000

0

Time--> 4.45 4.50 4.55 4.60

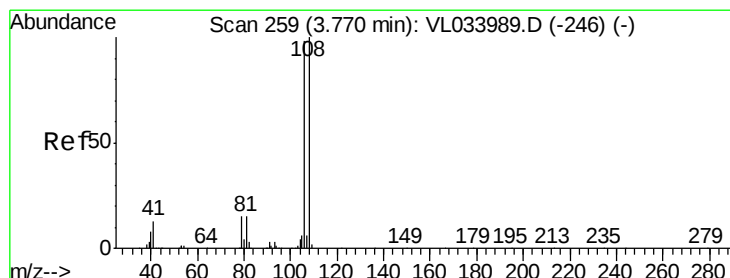
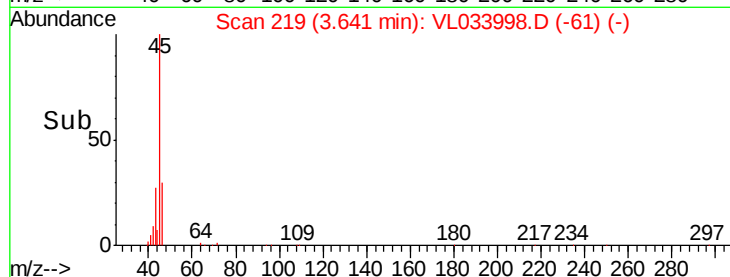
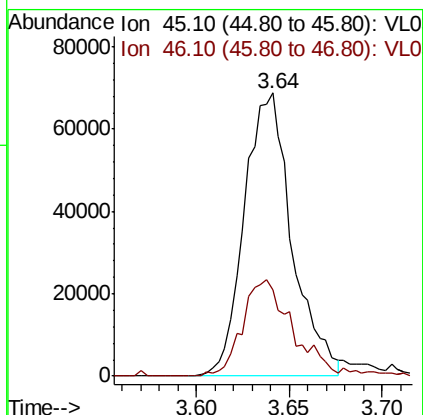
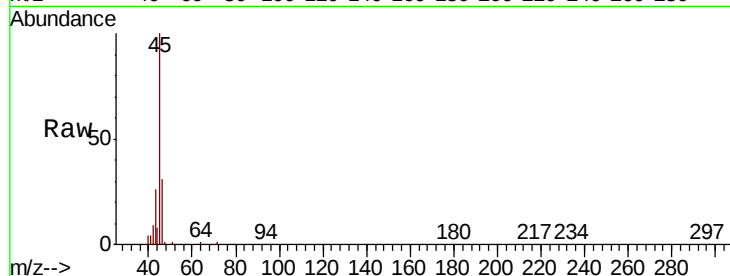




#13
Ethanol
Concen: 8.337 ppbv
RT: 3.64 min Scan# 219
Delta R.T. 0.01 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

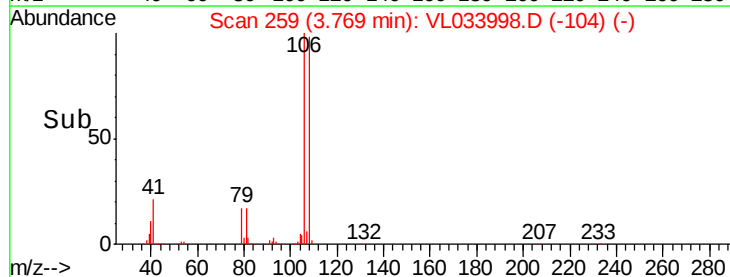
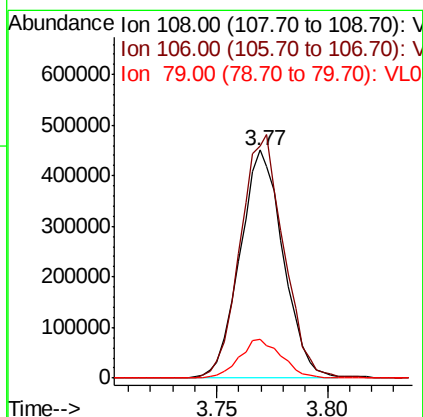
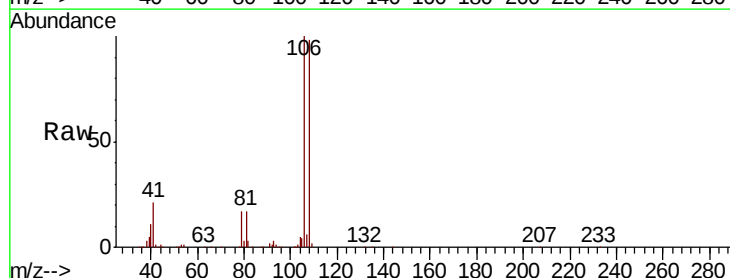
Instrument :
MSVOA_L
ClientSampleId :

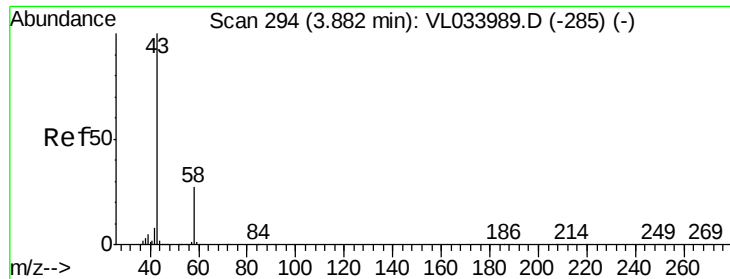
Tot Ion: 45 Resp: 123725
Ion Ratio Lower Upper
45 100
46 37.4 16.2 64.6



#14
Bromoethene
Concen: 9.517 ppbv
RT: 3.77 min Scan# 259
Delta R.T. -0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Tgt Ion: 108 Resp: 613901
Ion Ratio Lower Upper
108 100
106 107.8 85.6 128.4
79 16.9 14.0 21.0





#15

Acetone

Concen: 7.566 ppbv

RT: 3.89 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

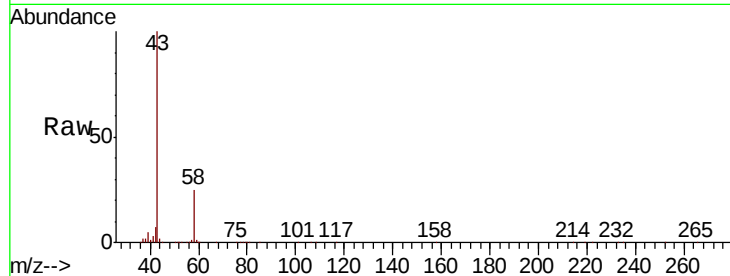
ClientSampleId :

Tot Ion: 43 Resp: 1337798

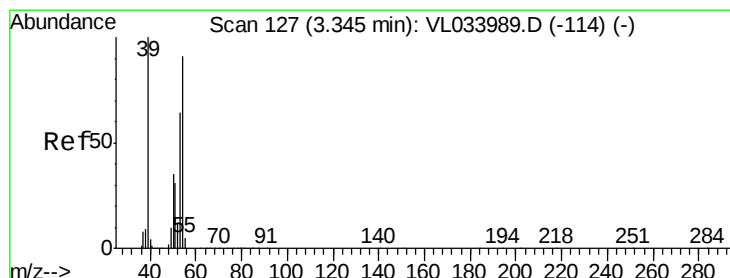
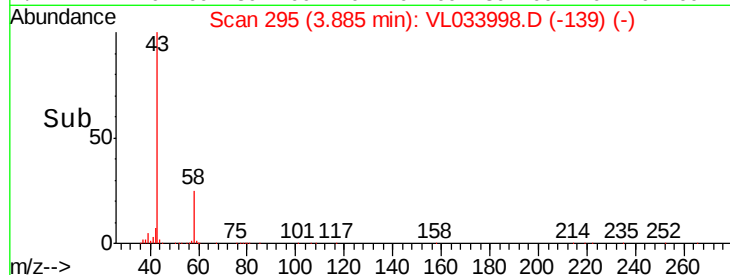
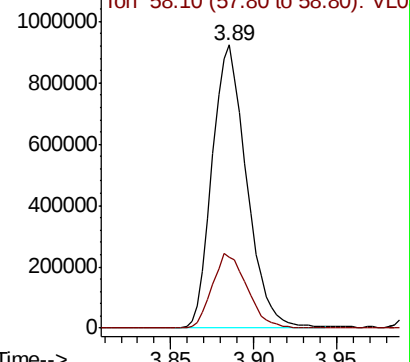
Ion Ratio Lower Upper

43 100

58 26.9 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0



#16

1,3-Butadiene

Concen: 9.683 ppbv

RT: 3.35 min Scan# 128

Delta R.T. 0.00 min

Lab File: VL033998.D

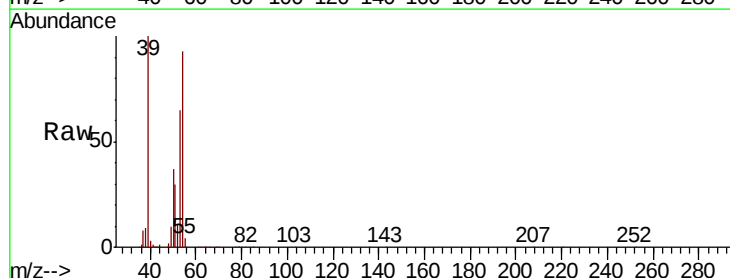
Acq: 2 Jul 2019 23:57

Tgt Ion: 39 Resp: 604574

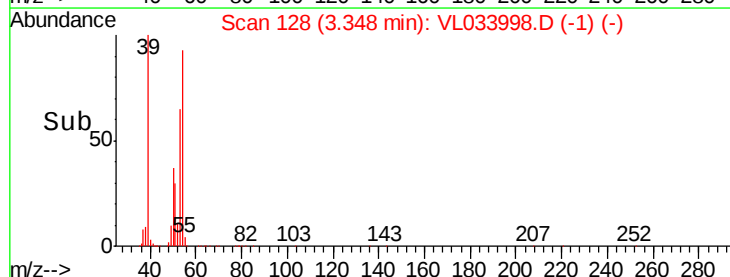
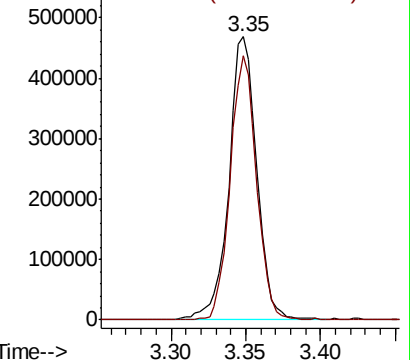
Ion Ratio Lower Upper

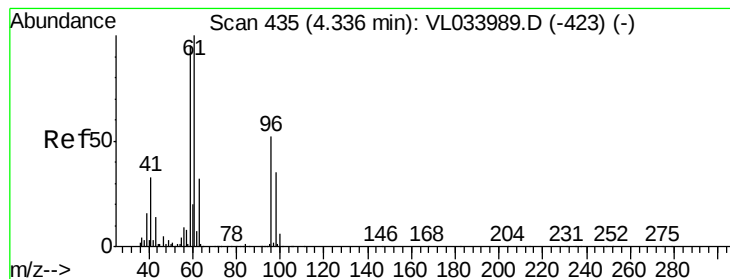
39 100

54 88.6 71.4 107.2



Abundance Ion 39.10 (38.80 to 39.80): VL0



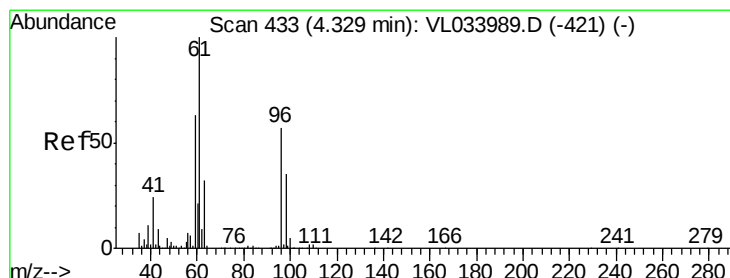
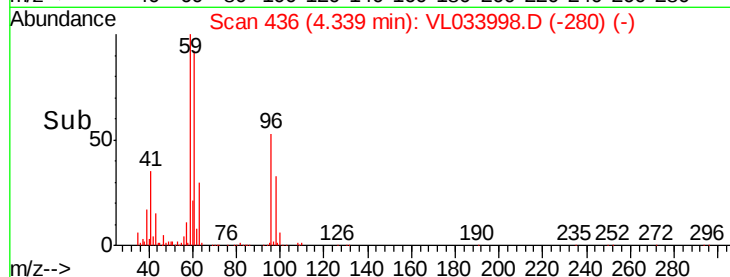
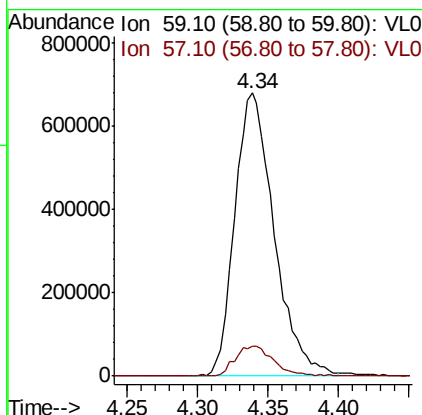
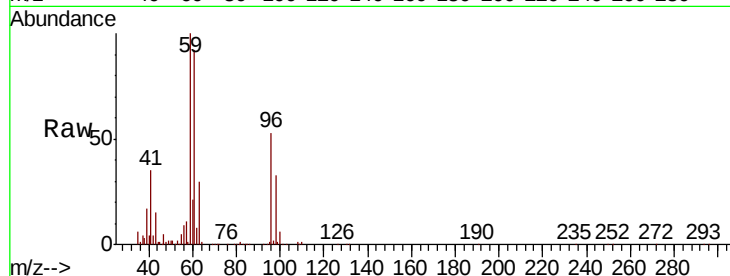


#17

tert-Butyl alcohol
Concen: 9.410 ppbv
RT: 4.34 min Scan# 436
Delta R.T. 0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Instrument :
MSVOA_L
ClientSampleId :

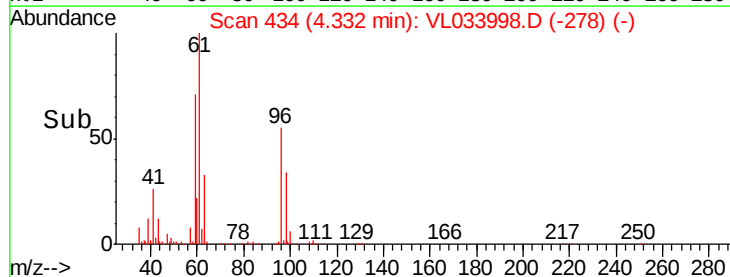
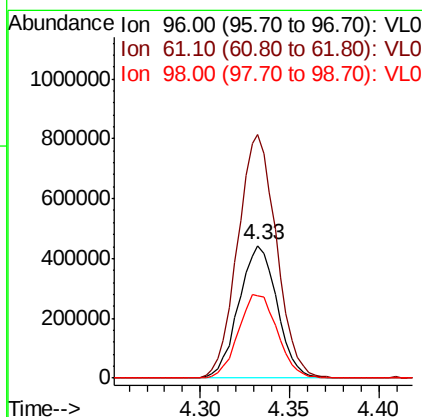
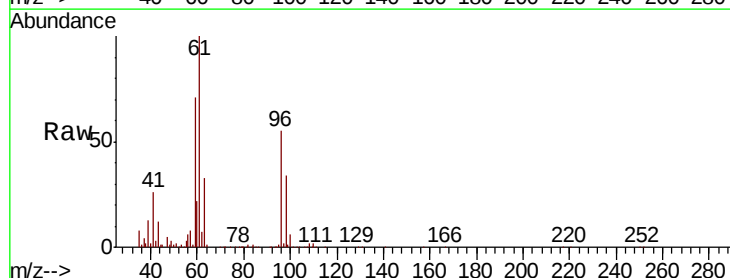
Tot Ion: 59 Resp: 1326483
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.2

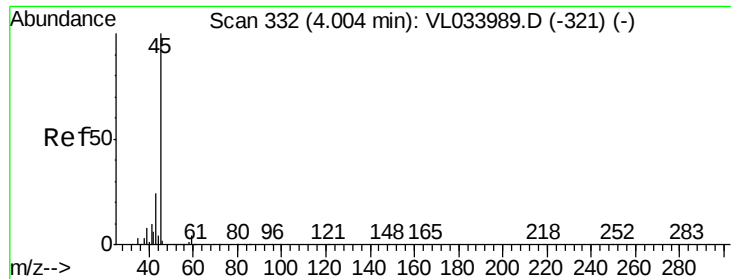


#18

1,1-Dichloroethene
Concen: 8.630 ppbv
RT: 4.33 min Scan# 434
Delta R.T. 0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Tgt Ion: 96 Resp: 663904
Ion Ratio Lower Upper
96 100
61 183.2 139.4 209.0
98 61.9 49.4 74.0





#19

Isopropyl Alcohol

Concen: 8.466 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

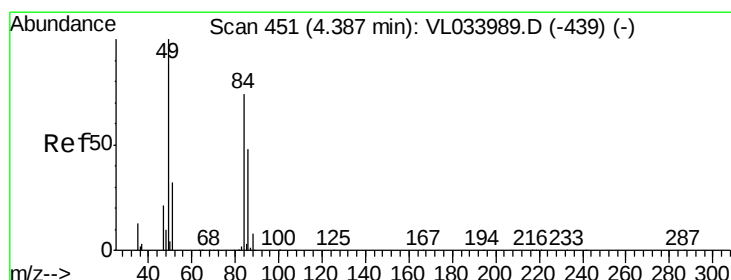
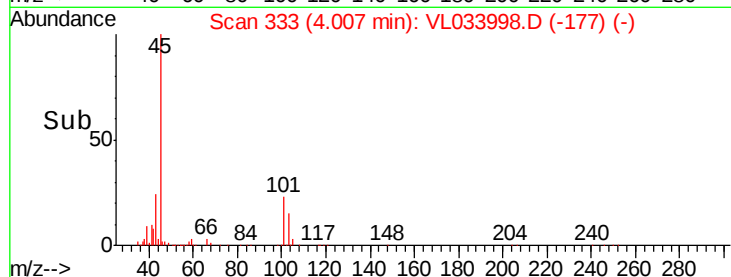
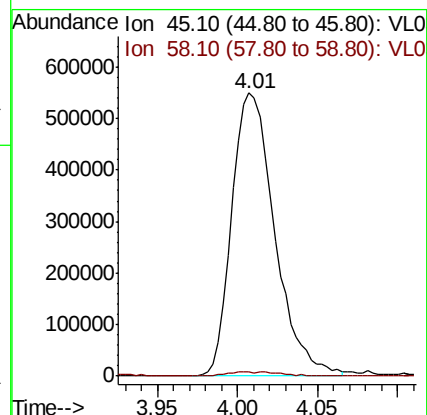
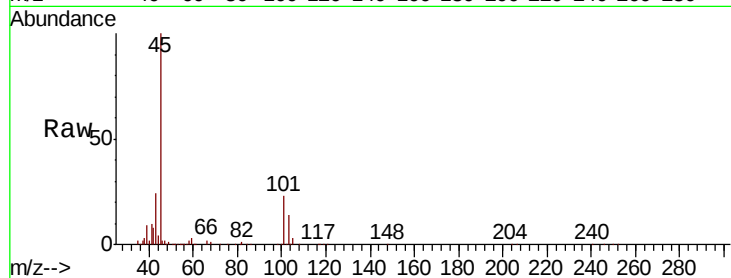
ClientSampleId :

Tot Ion: 45 Resp: 1004756

Ion Ratio Lower Upper

45 100

58 2.3 1.7 2.5



#20

Methylene Chloride

Concen: 7.904 ppbv

RT: 4.39 min Scan# 451

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Tgt Ion: 84 Resp: 609481

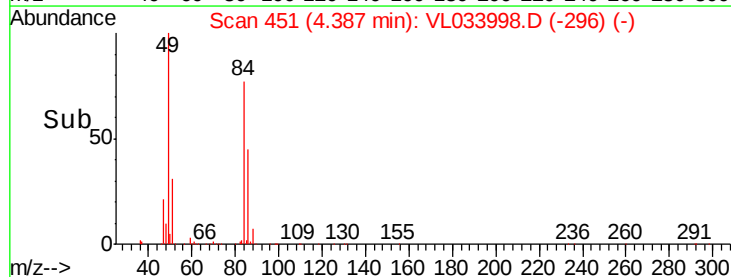
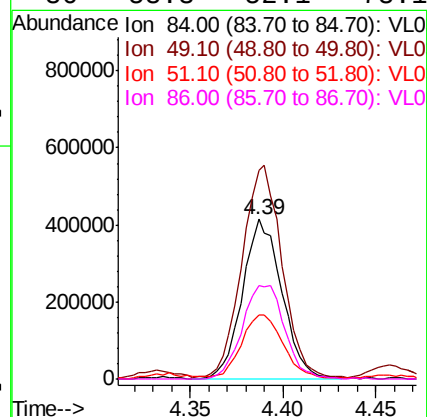
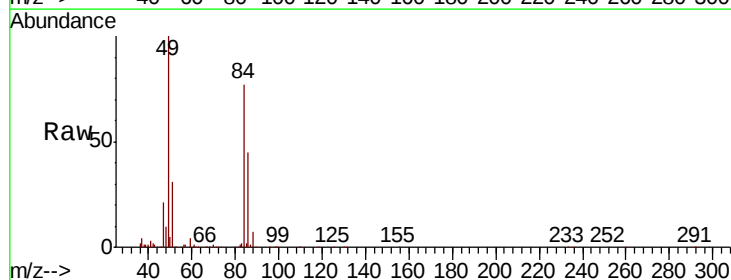
Ion Ratio Lower Upper

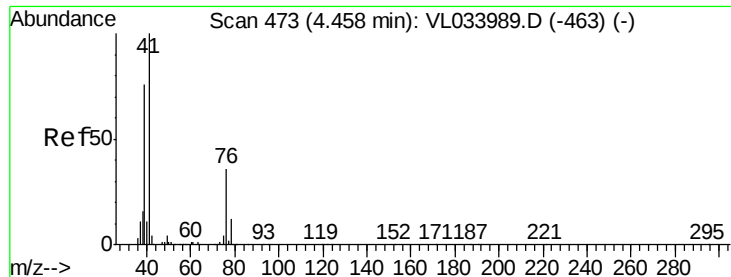
84 100

49 129.8 107.6 161.4

51 39.8 35.0 52.6

86 58.3 52.1 78.1





#21

Allvl Chloride

Concen: 9.203 ppbv

RT: 4.46 min Scan# 473

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampleId :

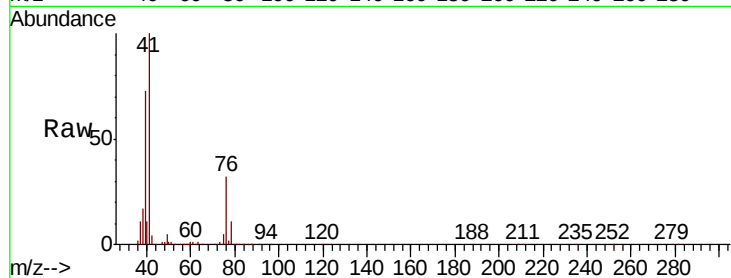
Tot Ion: 41 Resp: 1014646

Ion Ratio Lower Upper

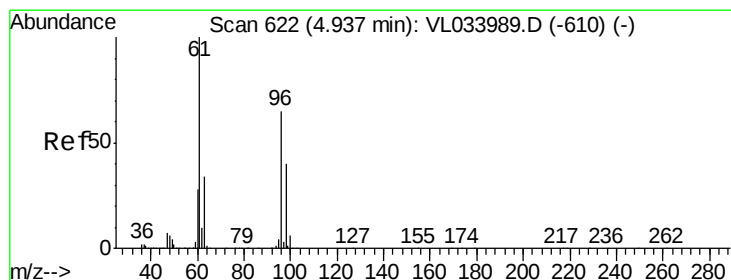
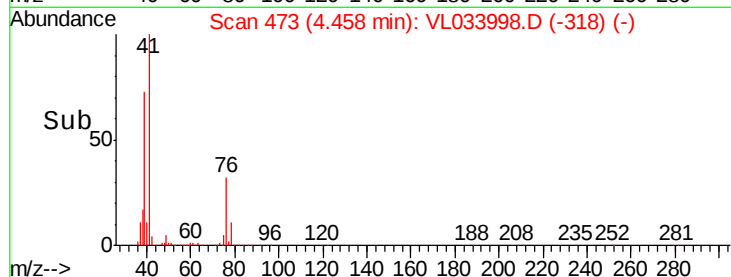
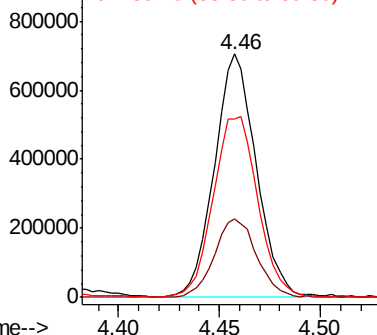
41 100

76 33.0 26.8 40.2

39 80.3 63.1 94.7



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.393 ppbv

RT: 4.94 min Scan# 623

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

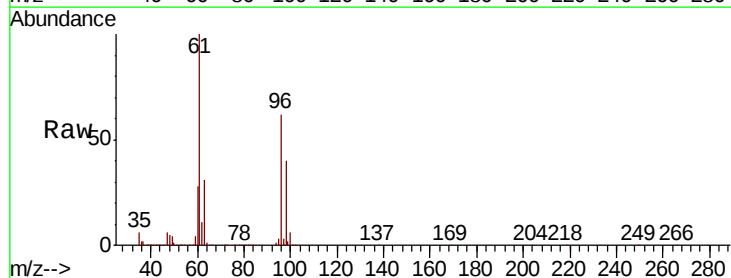
Tgt Ion: 96 Resp: 688542

Ion Ratio Lower Upper

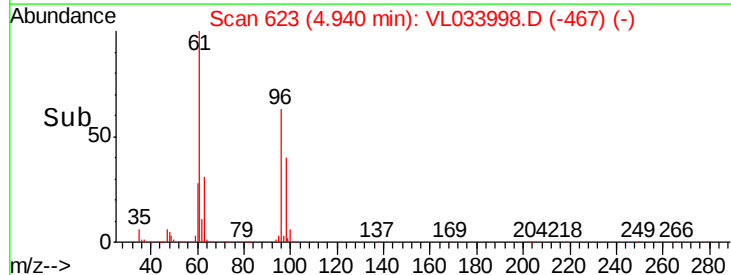
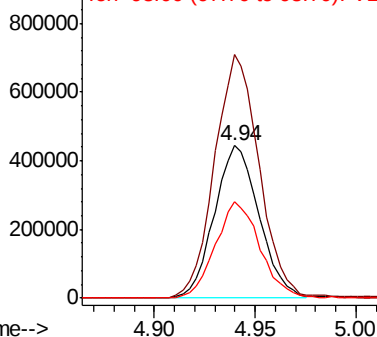
96 100

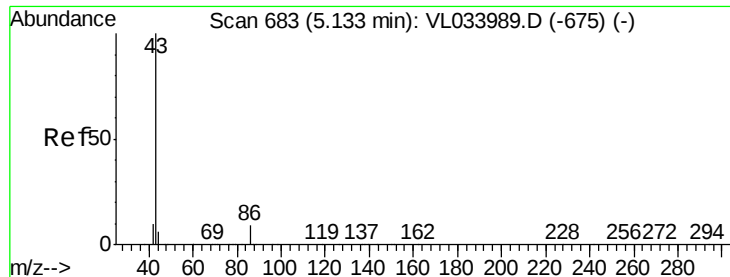
61 159.9 122.9 184.3

98 63.2 49.6 74.4



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.080 ppbv

RT: 5.13 min Scan# 683

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

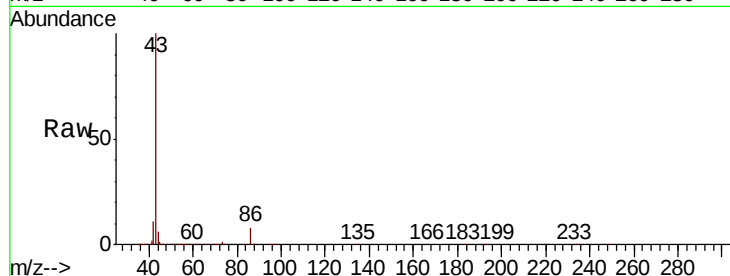
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1778860

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	9.8
42	11.1	8.3	12.5
44	6.0	4.3	6.5

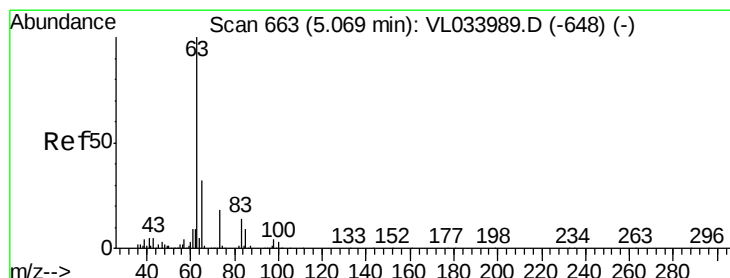
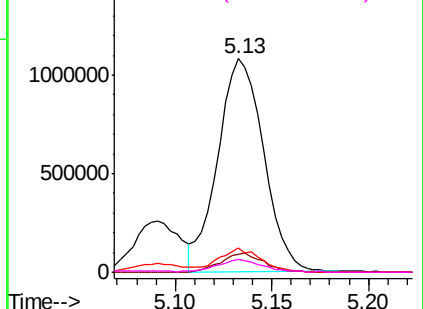
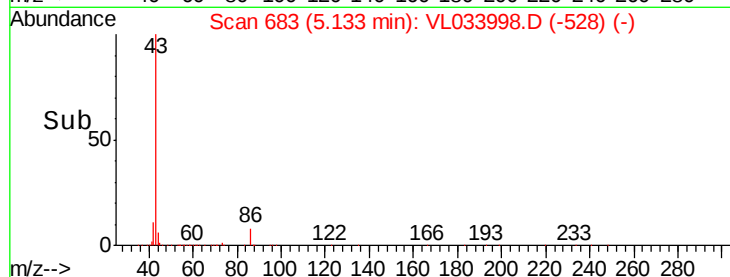


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.052 ppbv

RT: 5.07 min Scan# 663

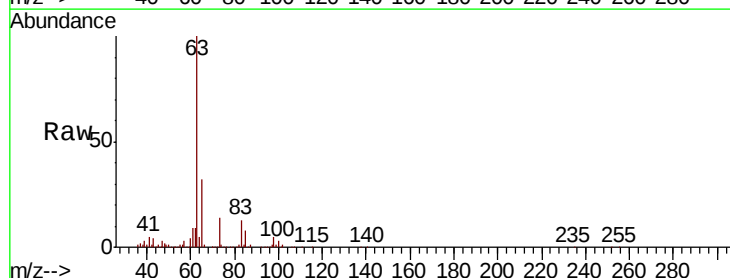
Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Tgt Ion: 63 Resp: 1415738

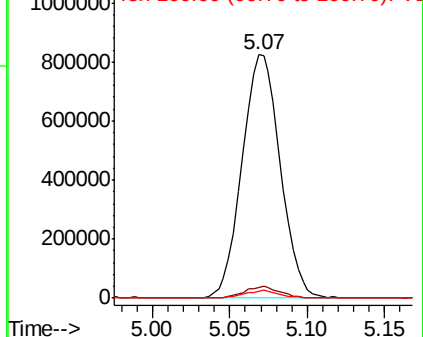
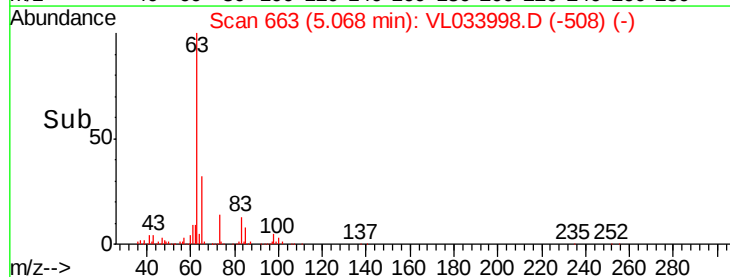
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	2.6	1.4	4.2

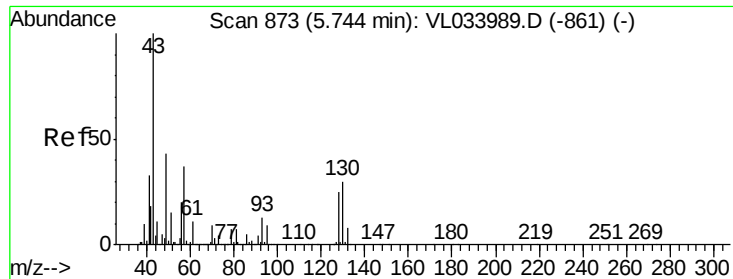


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



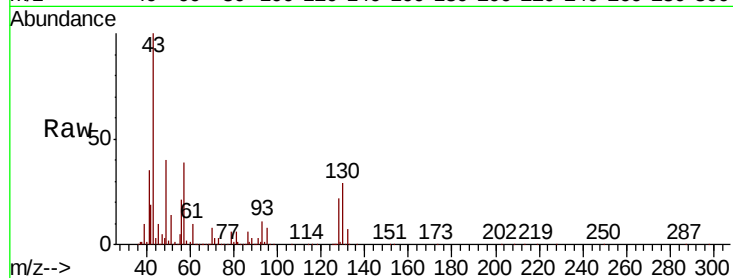


#25
Ethyl Acetate
Concen: 10.247 ppbv
RT: 5.75 min Scan# 874
Delta R.T. 0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2478146

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	10.2	8.1	12.1
70	8.1	6.3	9.5



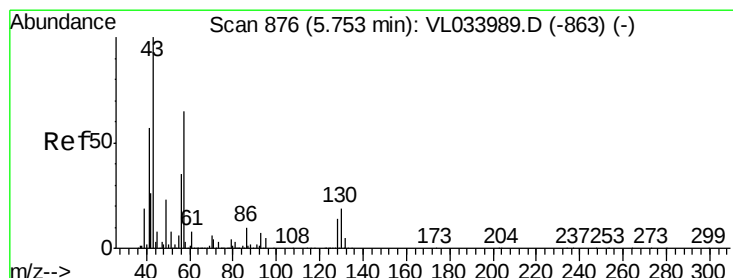
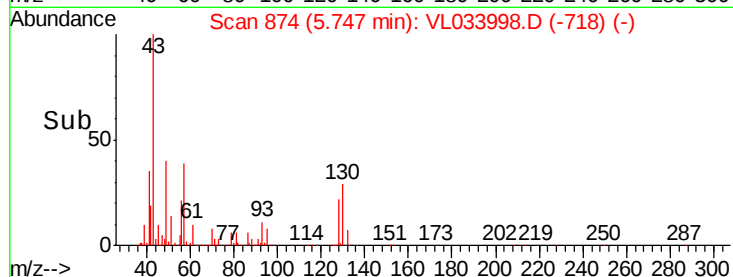
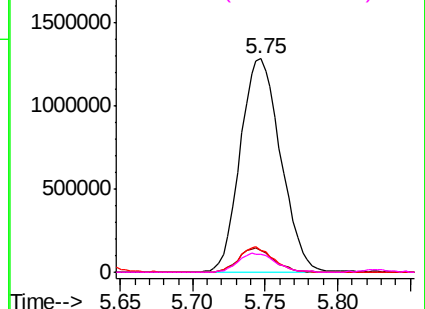
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

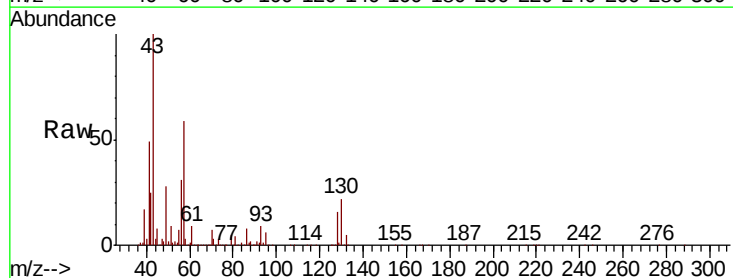
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.326 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Tgt Ion: 57 Resp: 1142726

Ion	Ratio	Lower	Upper
57	100		
41	87.9	70.6	105.8
43	218.7	177.6	266.4
56	53.3	42.6	64.0



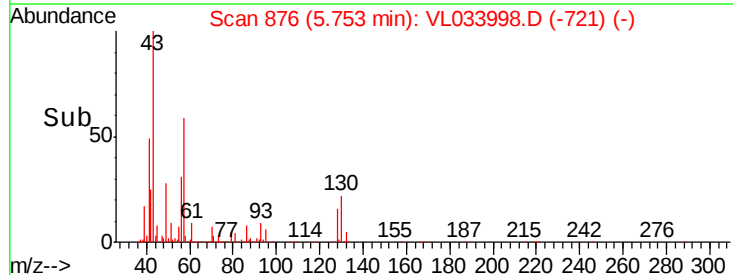
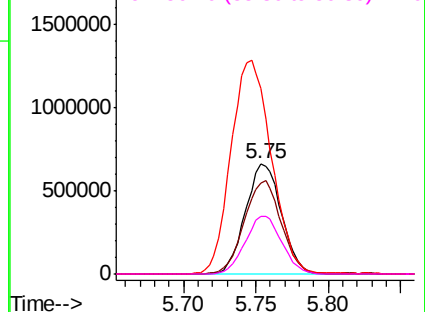
Abundance

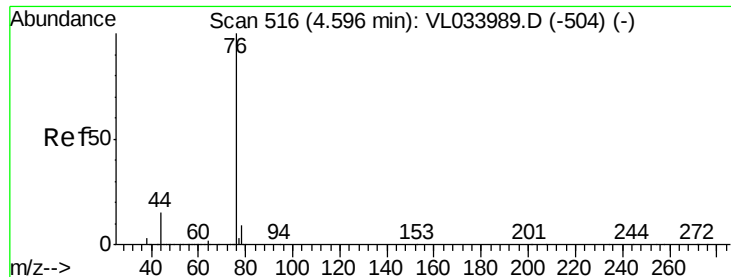
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.302 ppbv

RT: 4.60 min Scan# 517

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampled :

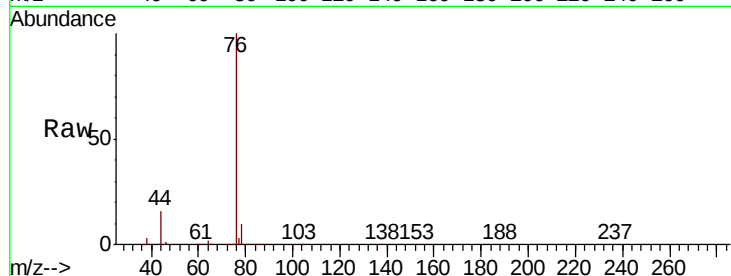
Tot Ion: 76 Resp: 1750110

Ion Ratio Lower Upper

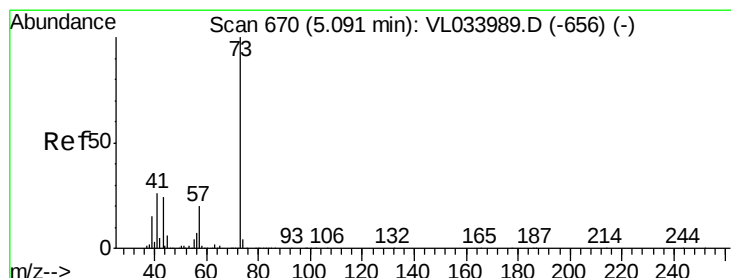
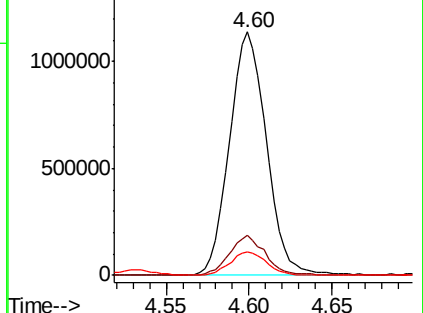
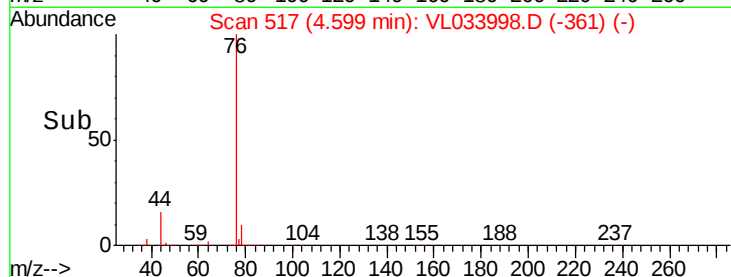
76 100

44 15.6 12.6 18.8

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.970 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033998.D

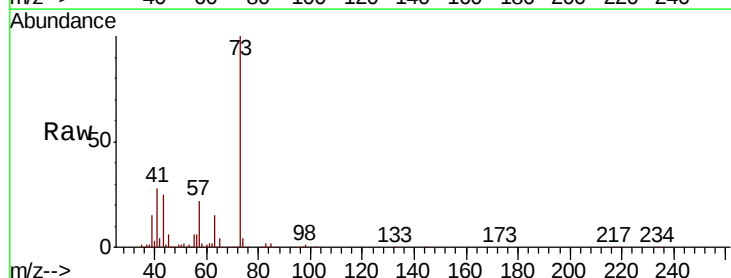
Acq: 2 Jul 2019 23:57

Tgt Ion: 73 Resp: 1868564

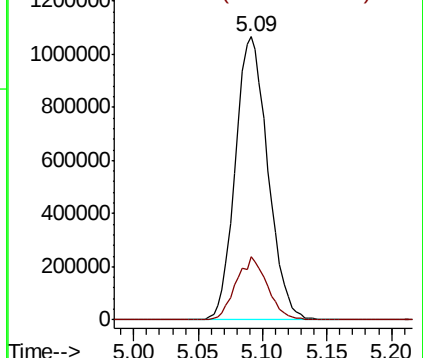
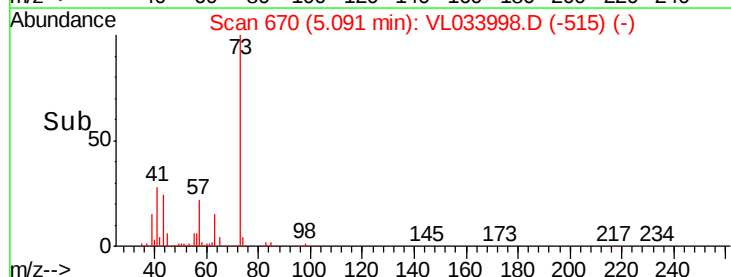
Ion Ratio Lower Upper

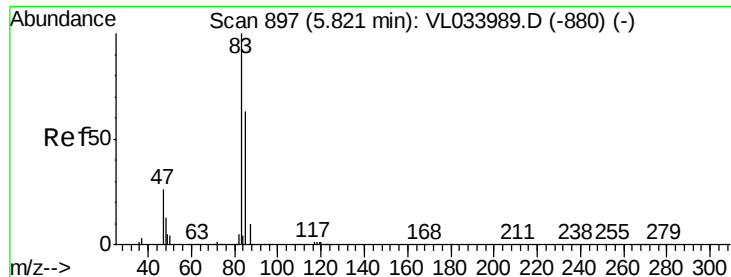
73 100

57 21.6 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

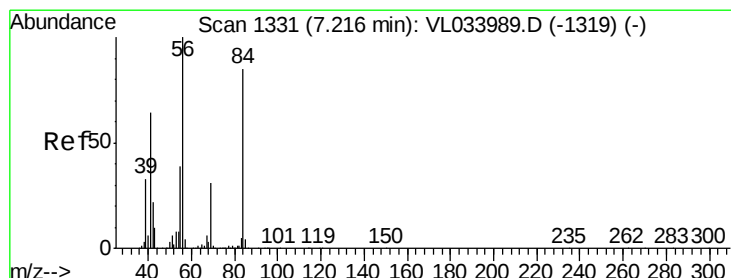
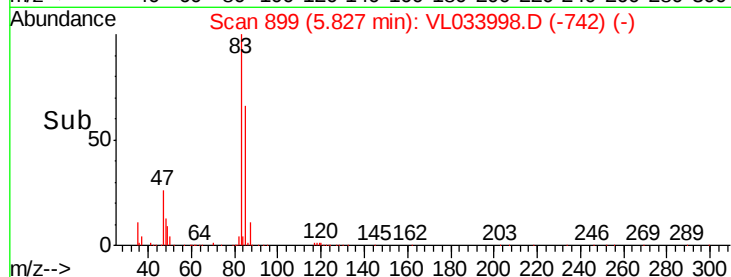
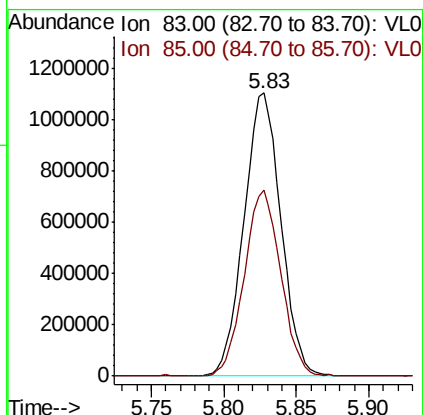
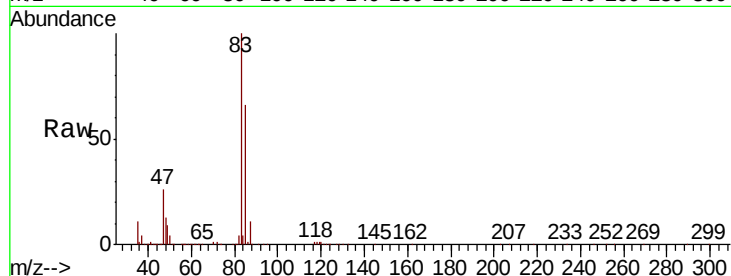




#29
Chloroform
Concen: 9.438 ppbv
RT: 5.83 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

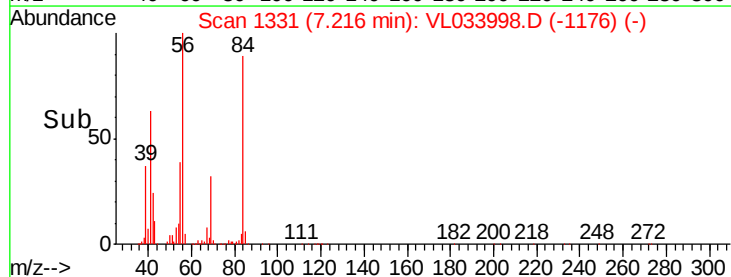
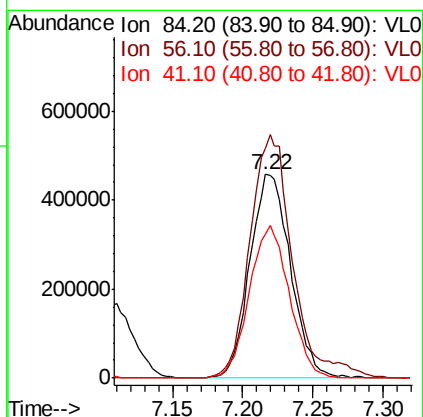
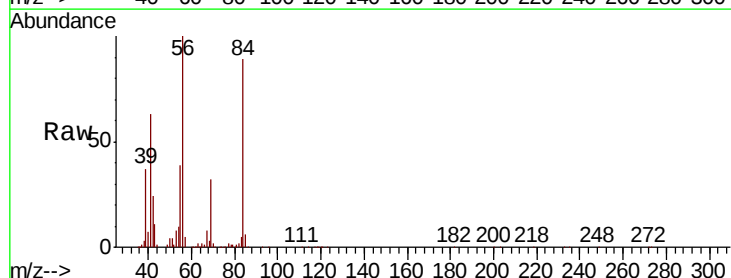
Instrument :
MSVOA_L
ClientSampleId :

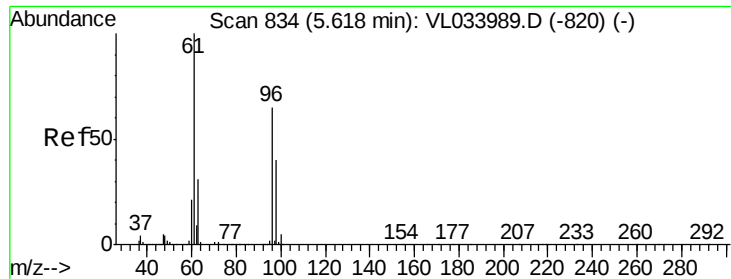
Tot Ion: 83 Resp: 1962841
Ion Ratio Lower Upper
83 100
85 65.9 50.6 75.8



#30
Cyclohexane
Concen: 10.766 ppbv
RT: 7.22 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Tgt Ion: 84 Resp: 920125
Ion Ratio Lower Upper
84 100
56 125.9 103.7 155.5
41 74.1 62.6 94.0



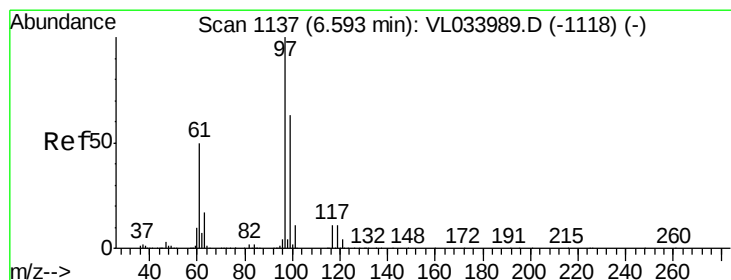
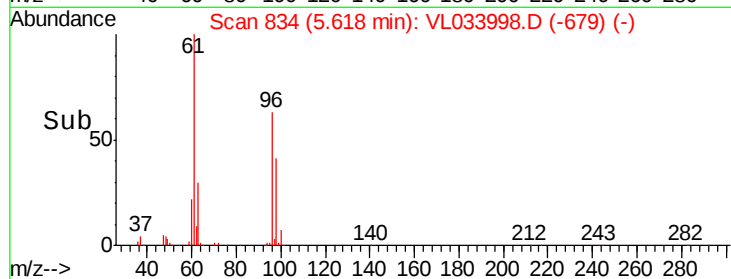
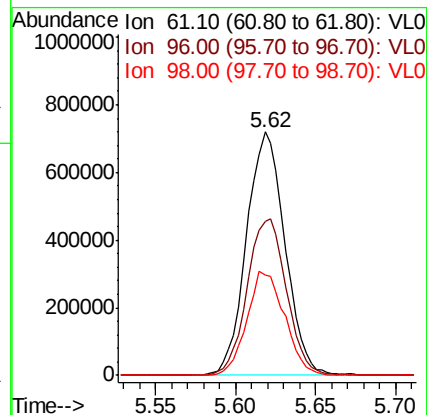
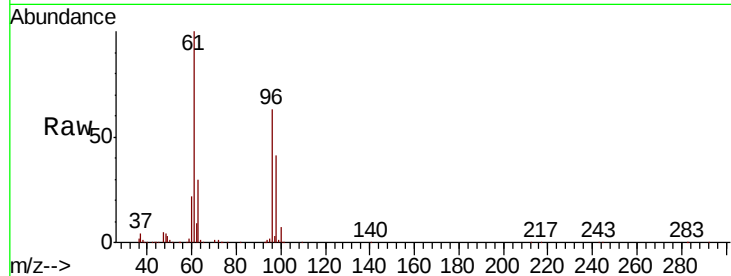


#31

cis-1,2-Dichloroethene
 Concen: 10.986 ppbv
 RT: 5.62 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Instrument :
 MSVOA_L
 ClientSampleId :

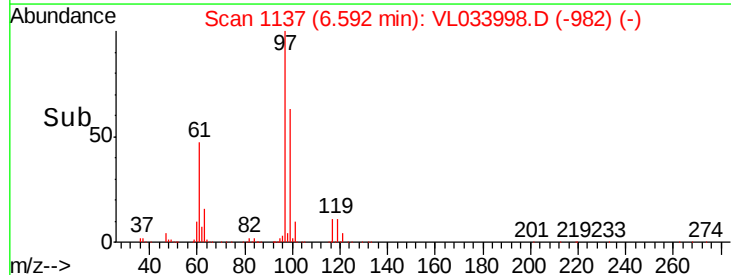
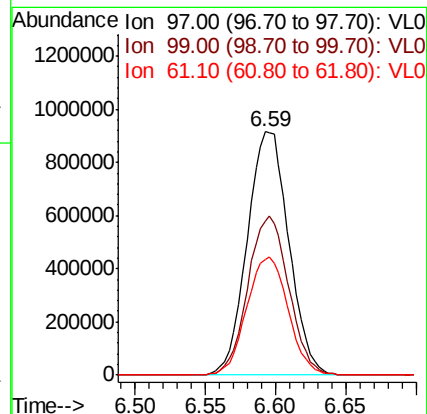
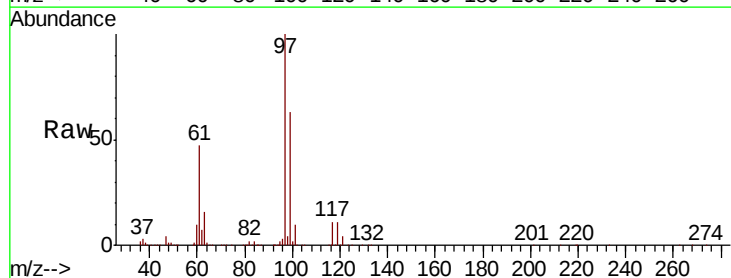
Tot Ion: 61 Resp: 1174673
 Ion Ratio Lower Upper
 61 100
 96 63.2 51.8 77.6
 98 41.3 32.1 48.1

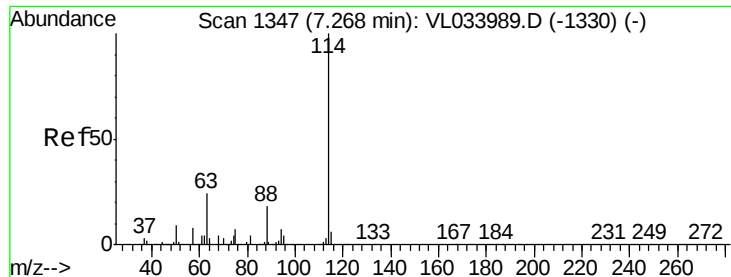


#32

1,1,1-Trichloroethane
 Concen: 8.982 ppbv
 RT: 6.59 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Tgt Ion: 97 Resp: 1893318
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.9 77.9
 61 48.5 39.8 59.8



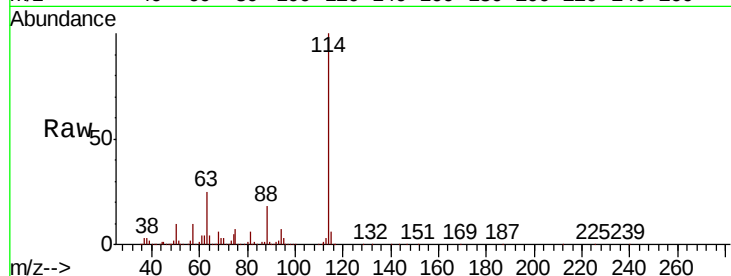


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

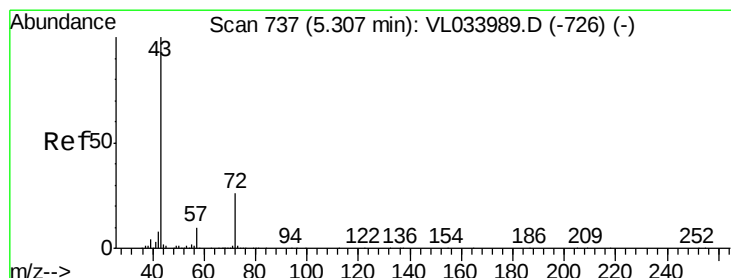
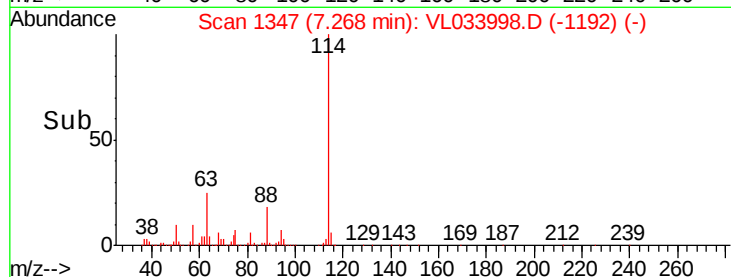
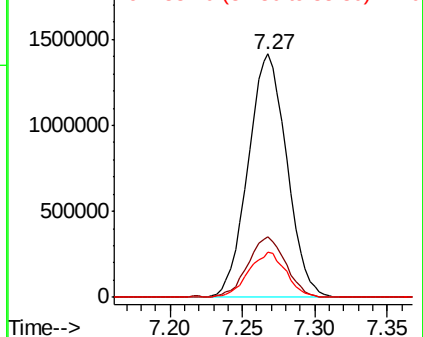
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2632921

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.2	30.2
88	17.9	14.1	21.1



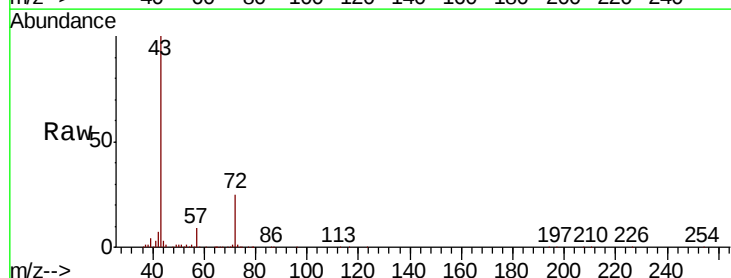
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



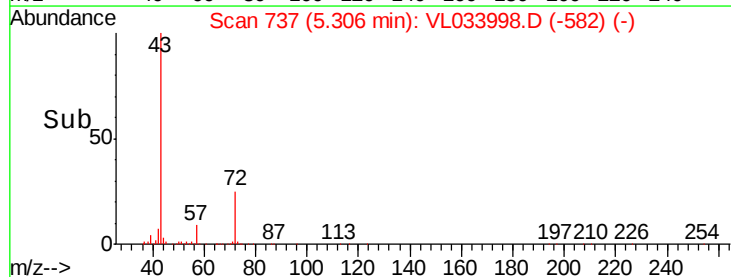
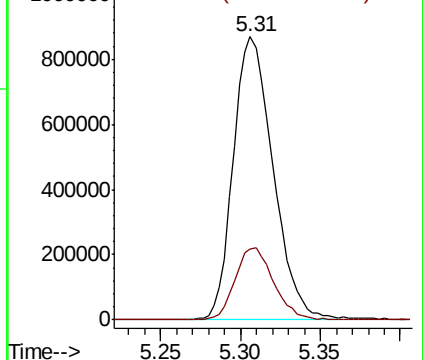
#34
 2-Butanone
 Concen: 10.539 ppbv
 RT: 5.31 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

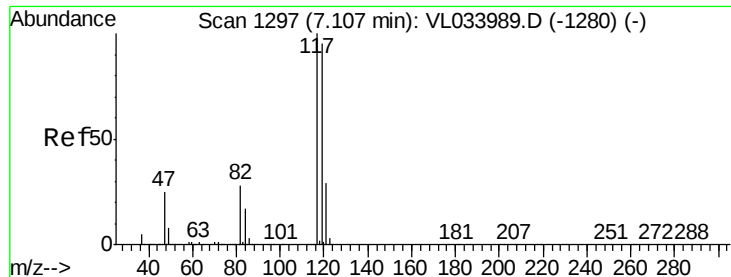
Tgt Ion: 43 Resp: 1468555

Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.9	29.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.817 ppbv

RT: 7.11 min Scan# 1298

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

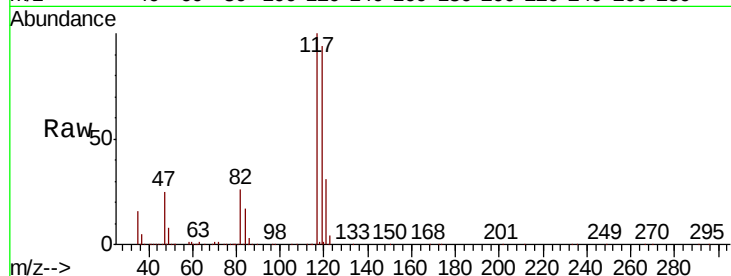
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2046201

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.8	113.6
121	31.1	23.4	35.2

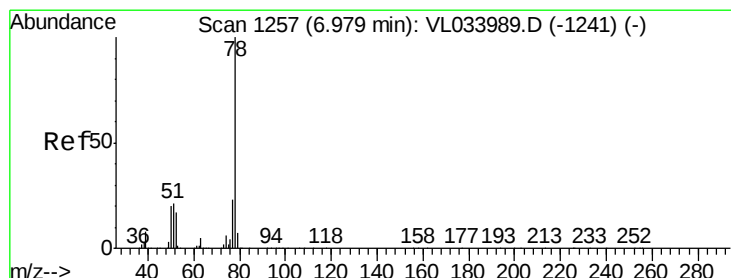
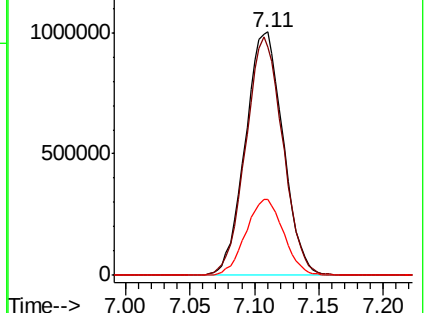
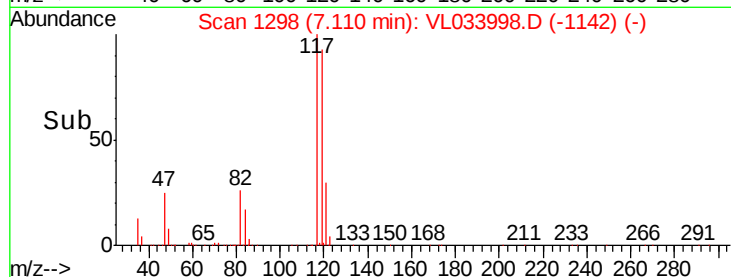


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.752 ppbv

RT: 6.98 min Scan# 1257

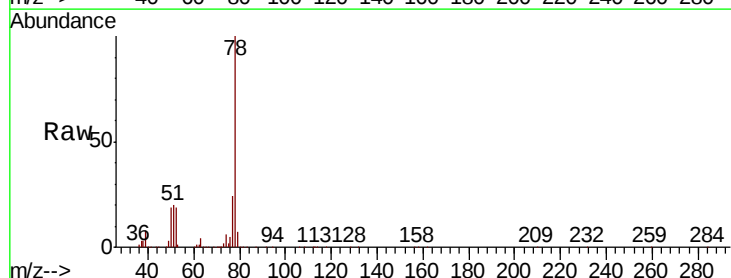
Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Tgt Ion: 78 Resp: 2215202

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1
50	19.1	16.2	24.2

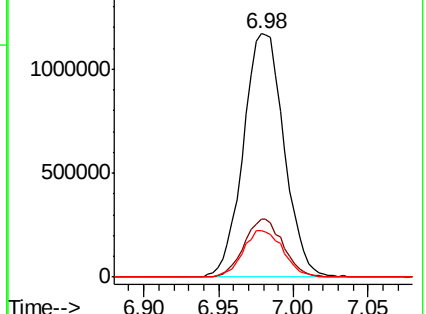
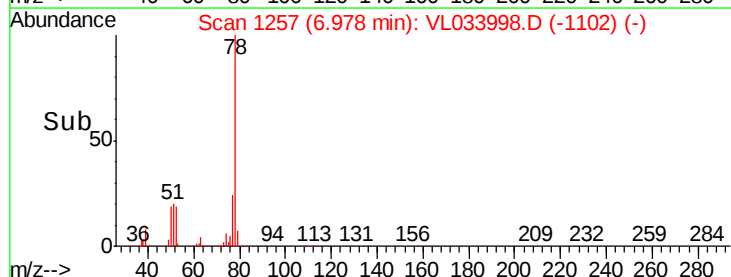


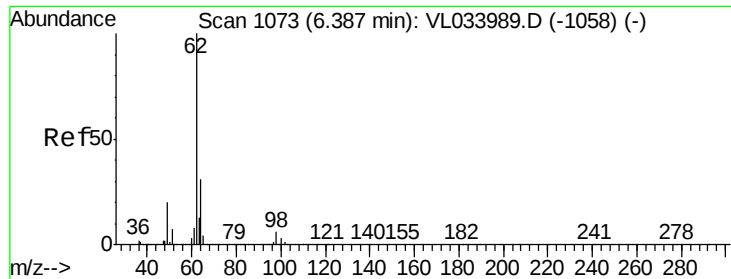
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

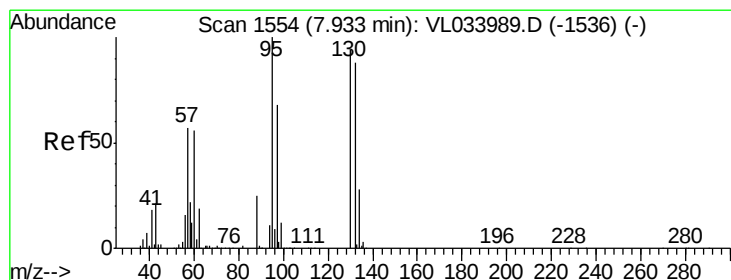
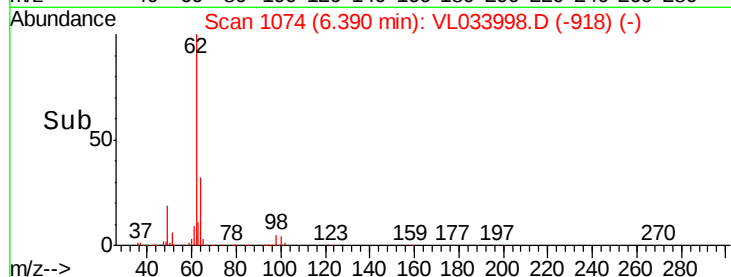
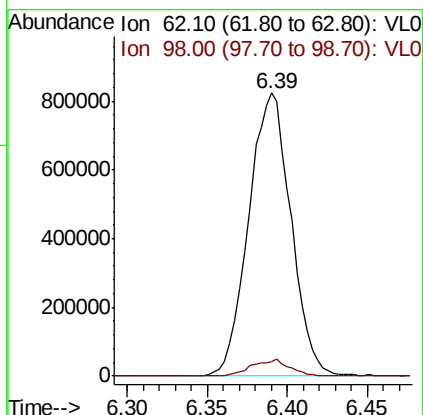
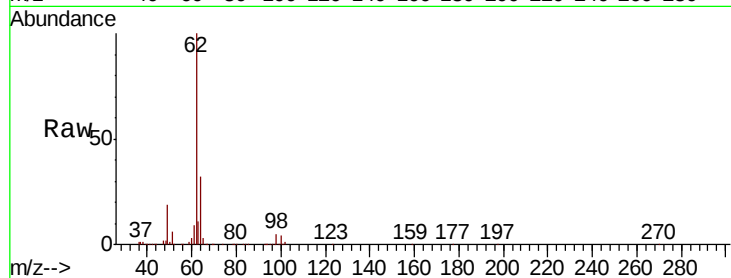




#37
 1,2-Dichloroethane
 Concen: 9.807 ppbv
 RT: 6.39 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

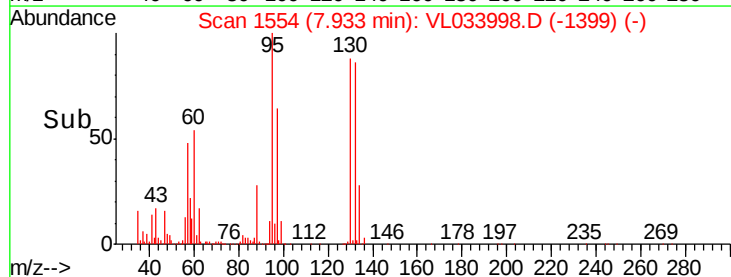
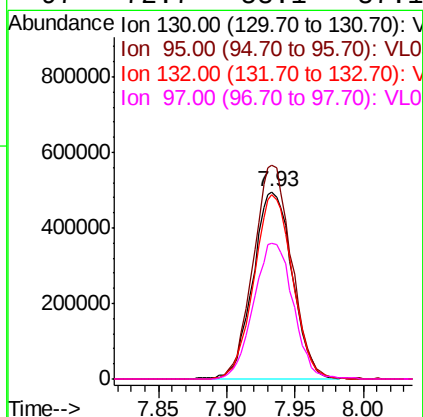
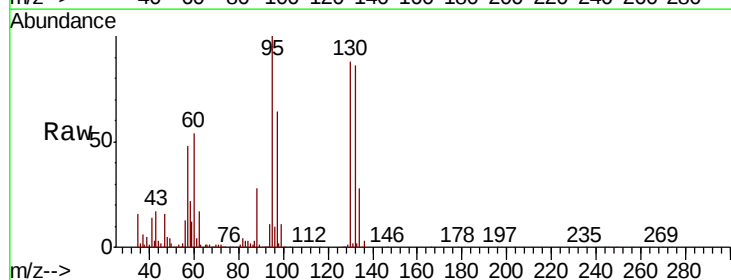
Instrument :
 MSVOA_L
 ClientSampleId :

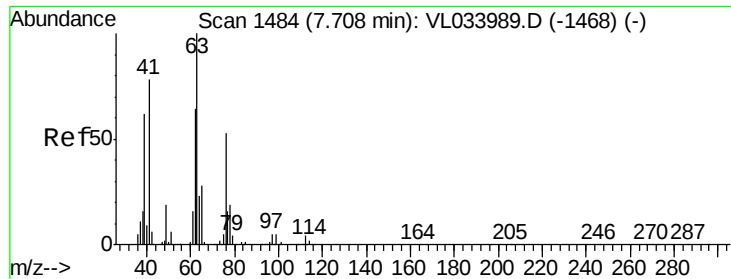
Tot Ion: 62 Resp: 1488512
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.4 6.6



#38
 Trichloroethene
 Concen: 10.743 ppbv
 RT: 7.93 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Tgt Ion:130 Resp: 984816
 Ion Ratio Lower Upper
 130 100
 95 114.2 85.5 128.3
 132 98.5 75.1 112.7
 97 72.7 58.1 87.1



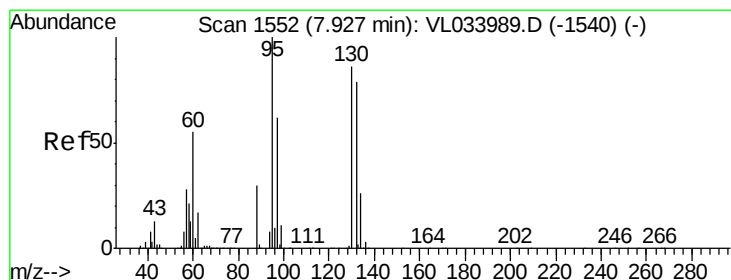
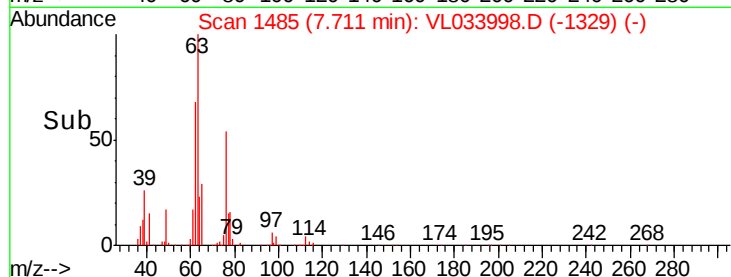
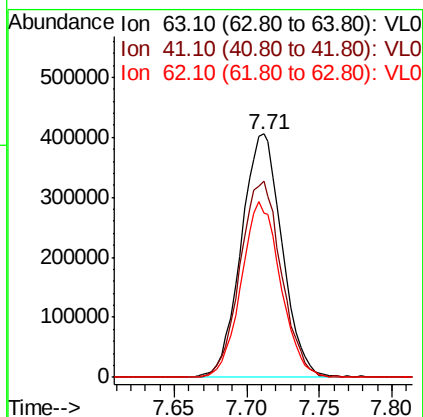
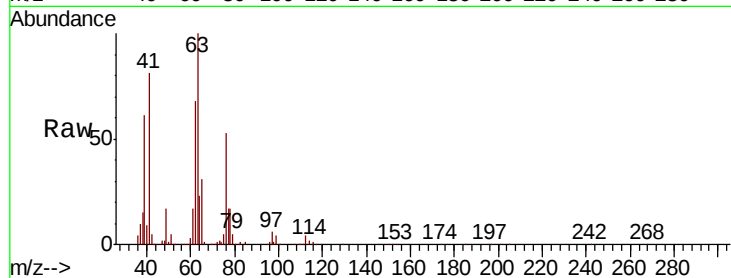


#39
 1,2-Dichloropropane
 Concen: 10.356 ppbv
 RT: 7.71 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion: 63 Resp: 793372

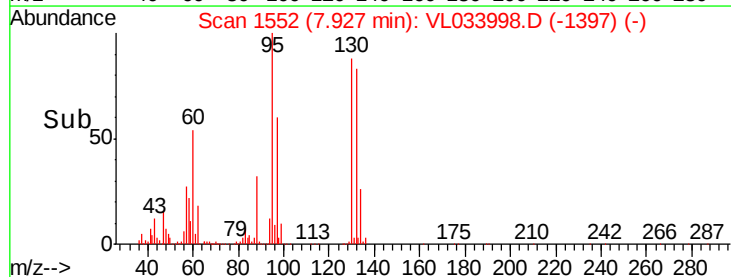
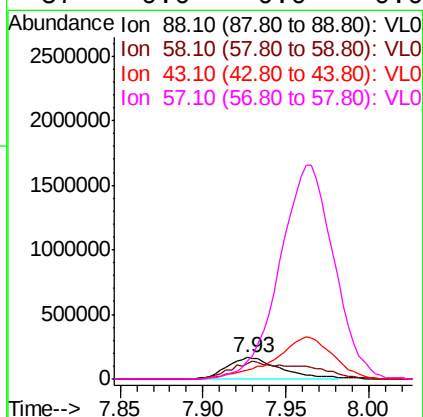
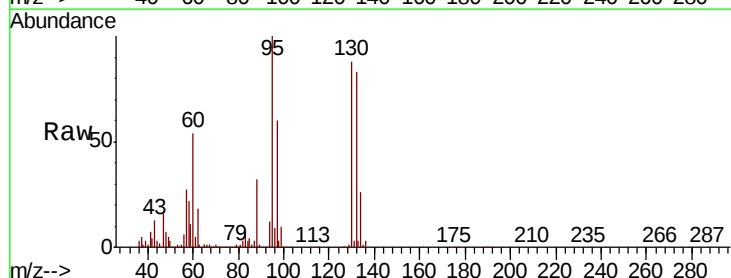
Ion	Ratio	Lower	Upper
63	100		
41	80.3	62.3	93.5
62	67.4	51.4	77.2

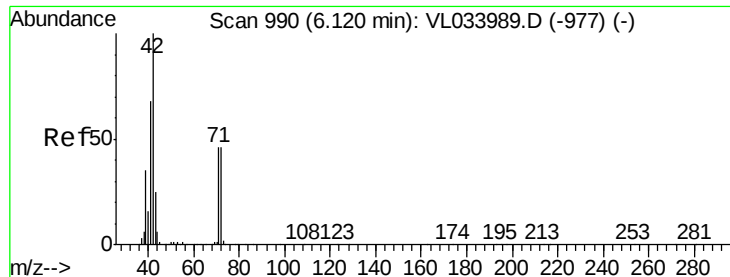


#40
 1,4-Dioxane
 Concen: 10.353 ppbv
 RT: 7.93 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Tgt Ion: 88 Resp: 366185

Ion	Ratio	Lower	Upper
88	100		
58	120.2	99.1	148.7
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.472 ppbv

RT: 6.12 min Scan# 990

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampleId :

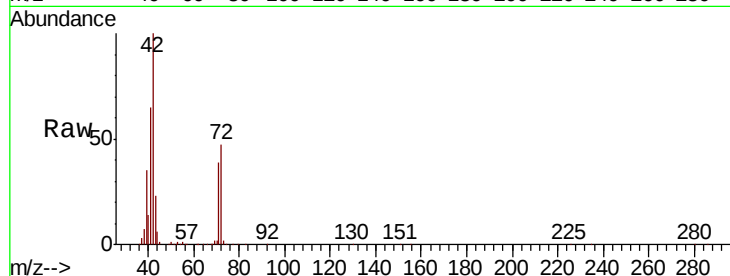
Tot Ion: 42 Resp: 783983

Ion Ratio Lower Upper

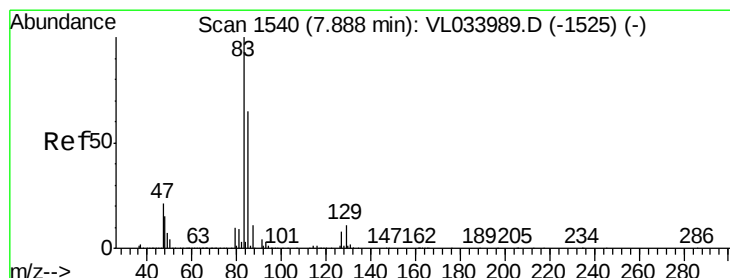
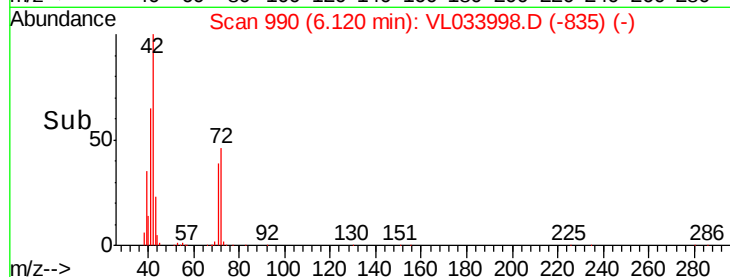
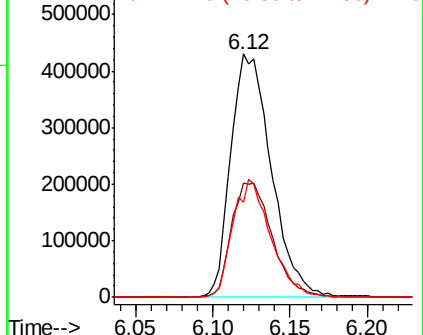
42 100

72 47.1 37.3 55.9

71 45.5 36.2 54.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.174 ppbv

RT: 7.89 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

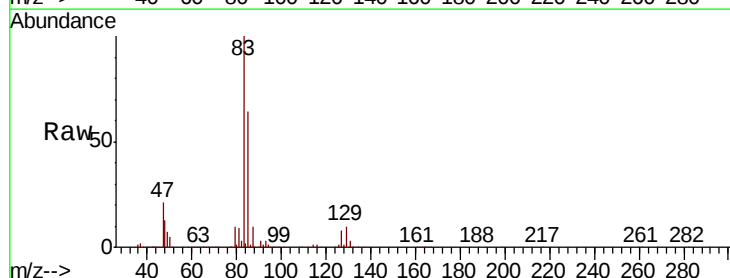
Tgt Ion: 83 Resp: 2071945

Ion Ratio Lower Upper

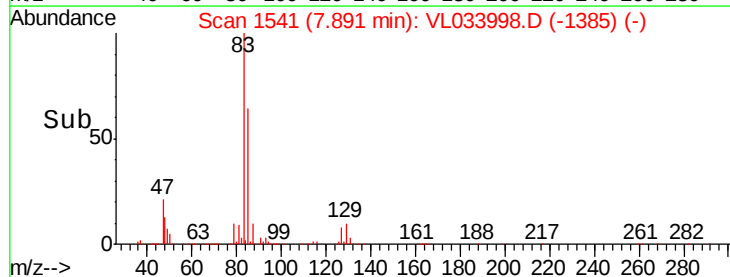
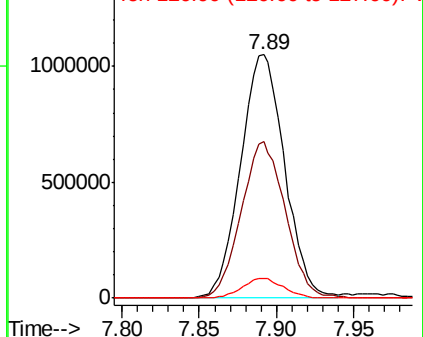
83 100

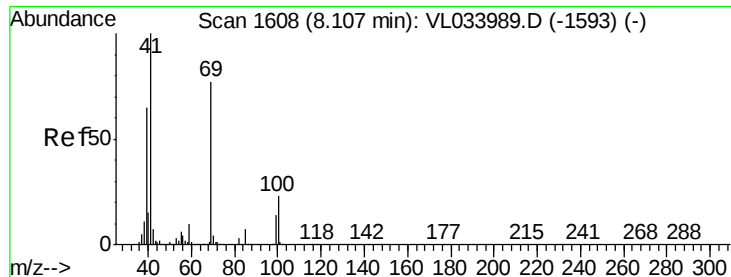
85 64.3 51.8 77.8

127 8.0 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.618 ppbv

RT: 8.11 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampleId :

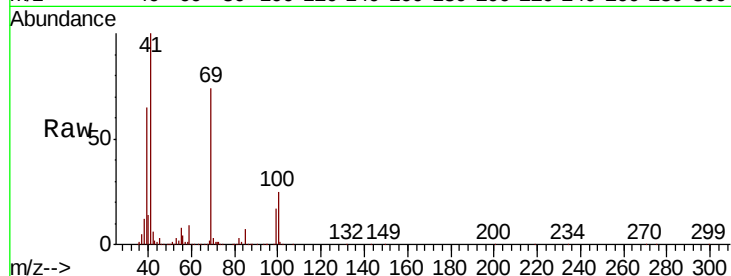
Tot Ion: 69 Resp: 908145

Ion Ratio Lower Upper

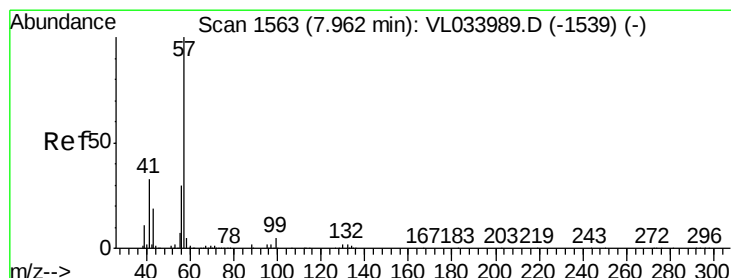
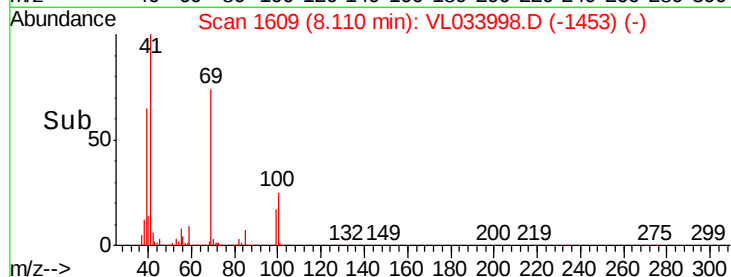
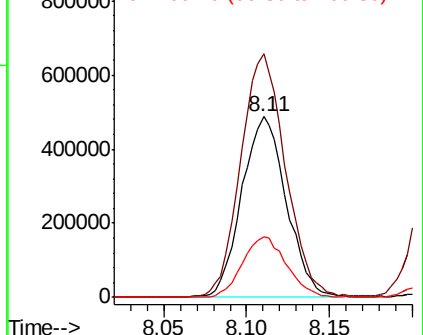
69 100

41 135.9 109.1 163.7

100 33.3 25.3 37.9



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.613 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

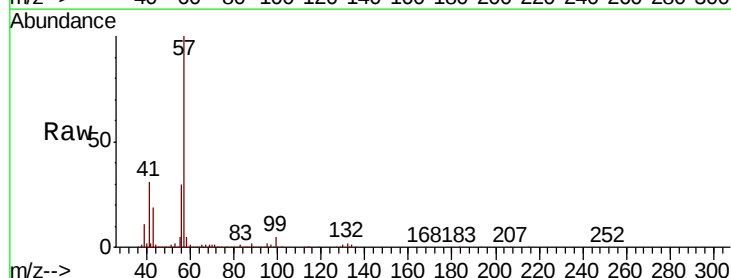
Tgt Ion: 57 Resp: 3774042

Ion Ratio Lower Upper

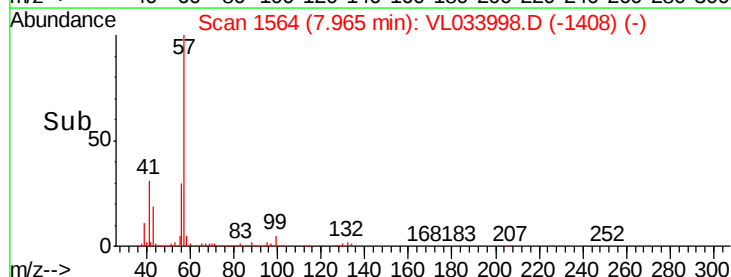
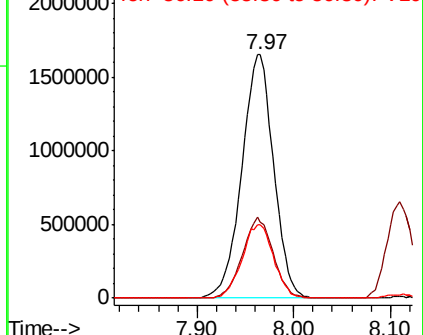
57 100

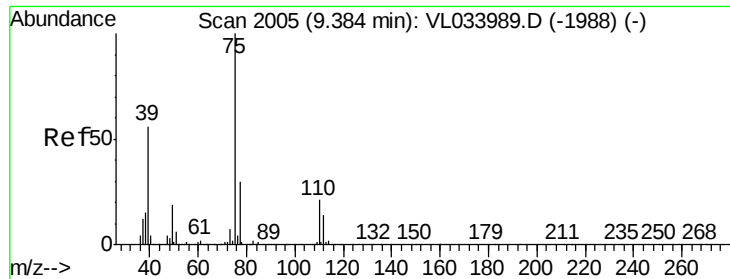
41 32.0 26.1 39.1

56 30.0 24.4 36.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.892 ppbv

RT: 9.39 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

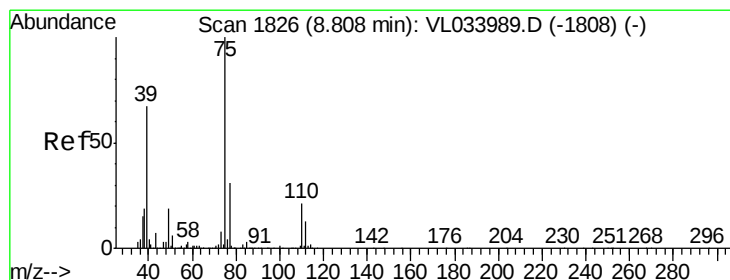
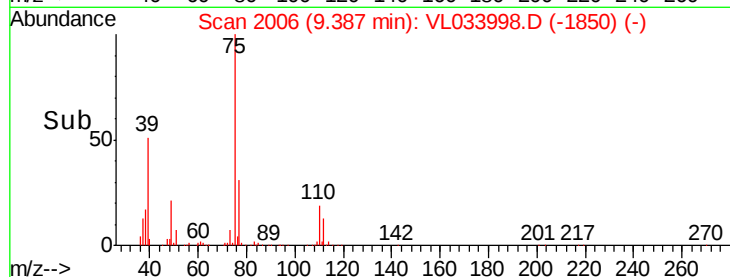
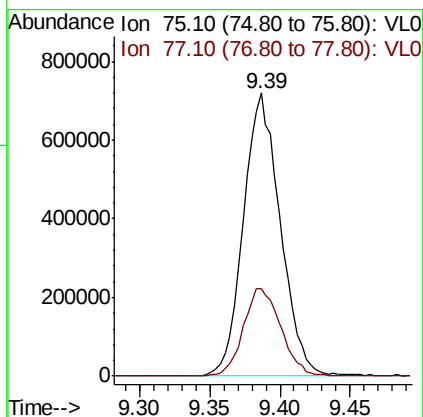
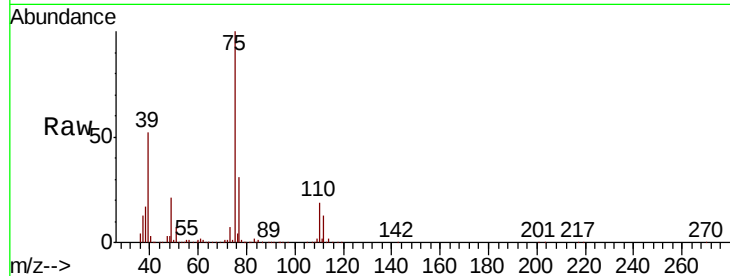
ClientSampleId :

Tot Ion: 75 Resp: 1317728

Ion Ratio Lower Upper

75 100

77 31.1 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 11.852 ppbv

RT: 8.81 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

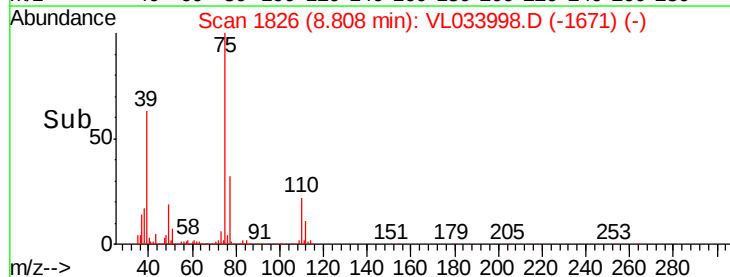
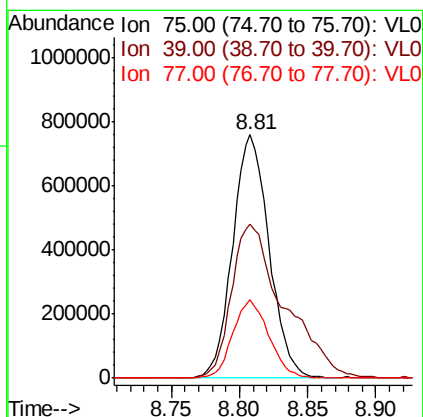
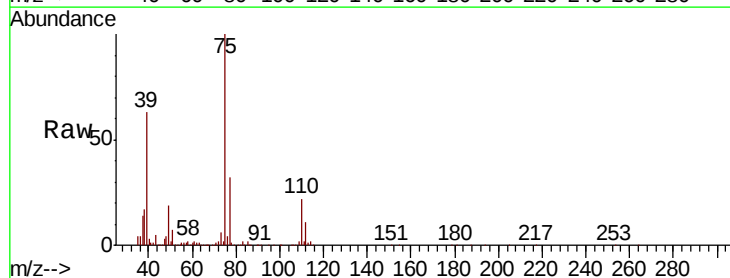
Tgt Ion: 75 Resp: 1403058

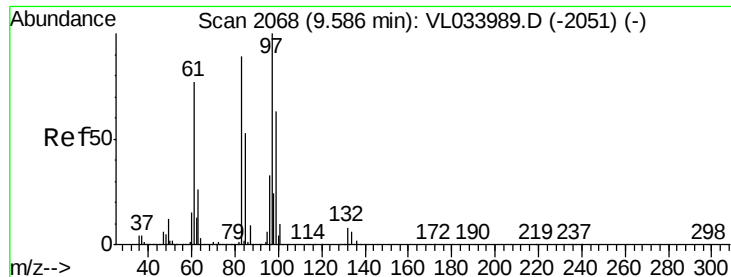
Ion Ratio Lower Upper

75 100

39 63.1 53.8 80.6

77 32.4 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 10.398 ppbv

RT: 9.59 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1001503

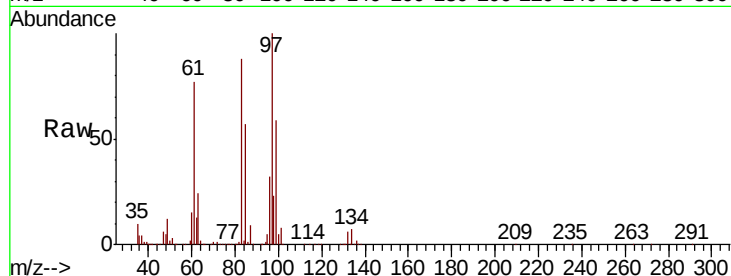
Ion Ratio Lower Upper

97 100

83 88.3 71.1 106.7

85 56.8 42.6 64.0

99 58.9 50.3 75.5

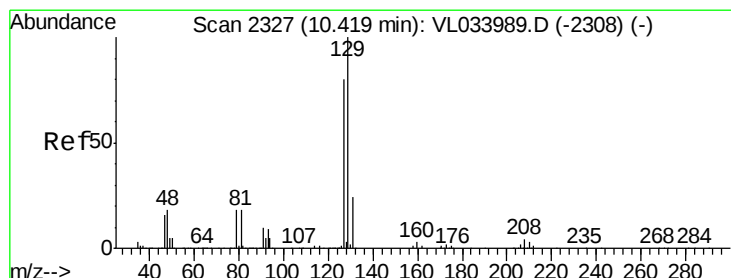
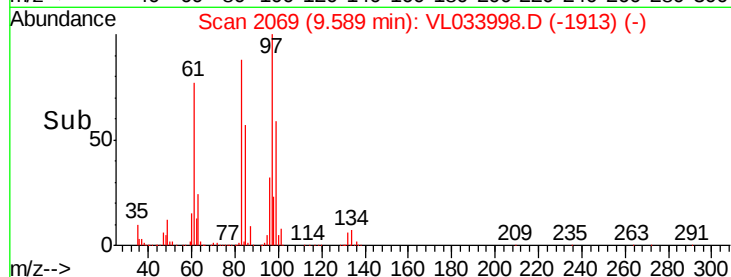
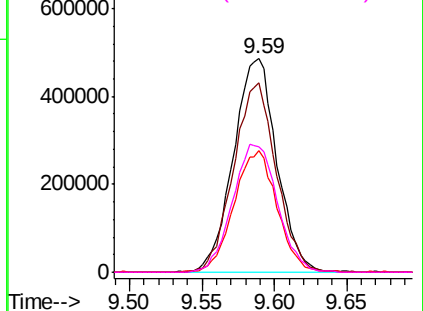


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.158 ppbv

RT: 10.43 min Scan# 2329

Delta R.T. 0.01 min

Lab File: VL033998.D

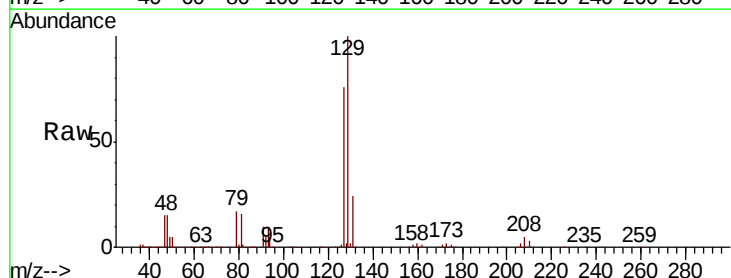
Acq: 2 Jul 2019 23:57

Tgt Ion:129 Resp: 1866950

Ion Ratio Lower Upper

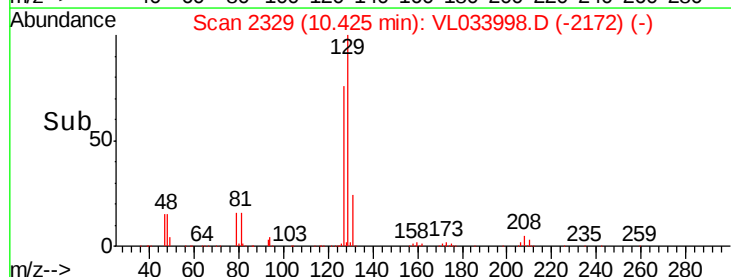
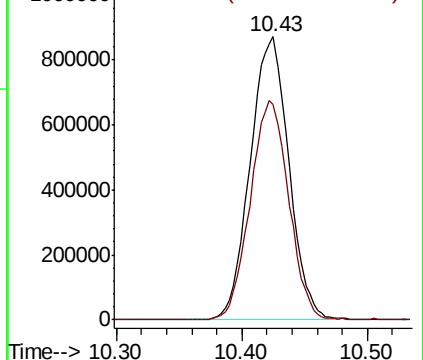
129 100

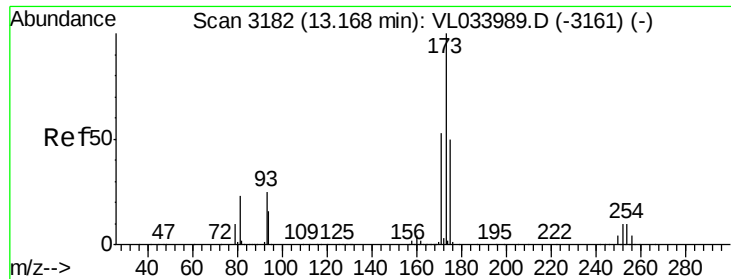
127 77.4 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.438 ppbv

RT: 13.17 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampled :

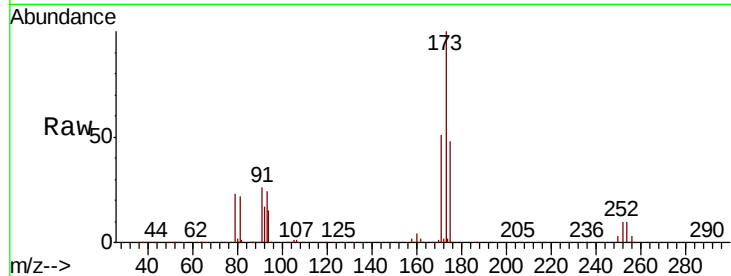
Tot Ion:173 Resp: 1795879

Ion Ratio Lower Upper

173 100

175 49.2 39.3 58.9

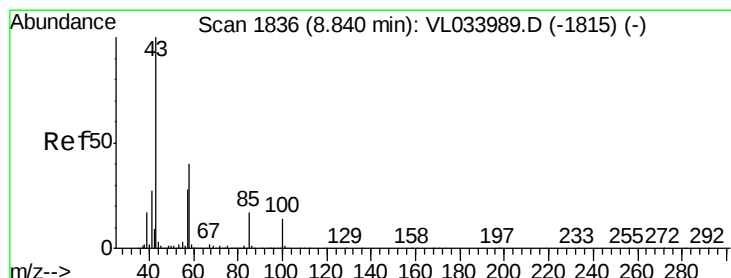
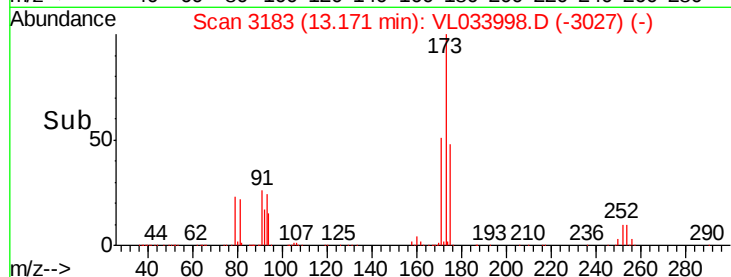
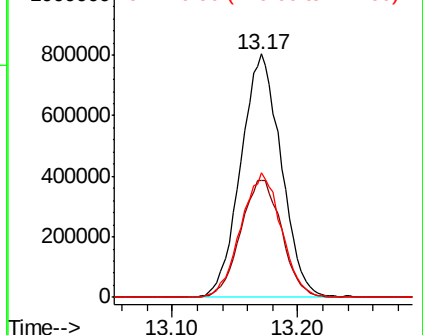
171 51.3 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.682 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL033998.D

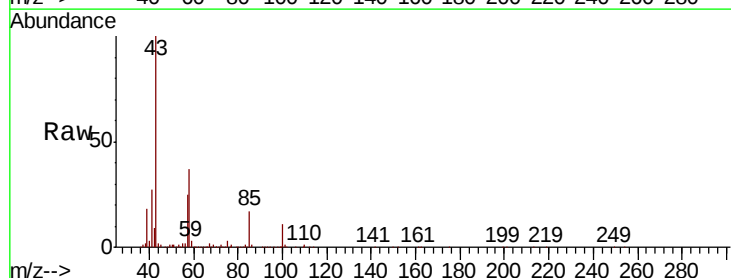
Acq: 2 Jul 2019 23:57

Tgt Ion: 43 Resp: 2208749

Ion Ratio Lower Upper

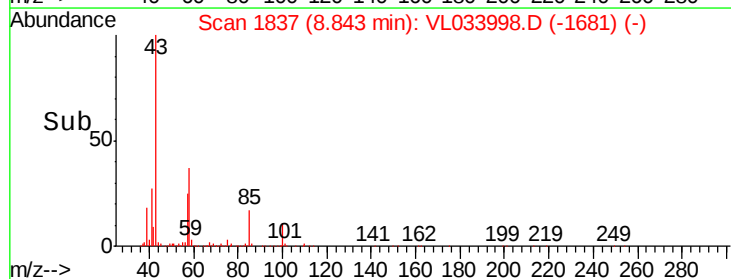
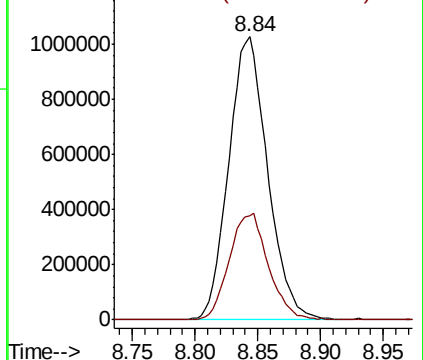
43 100

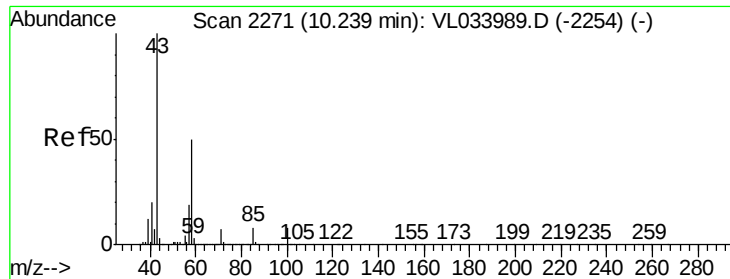
58 37.9 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

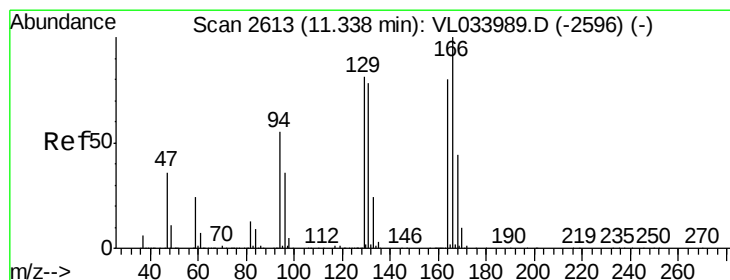
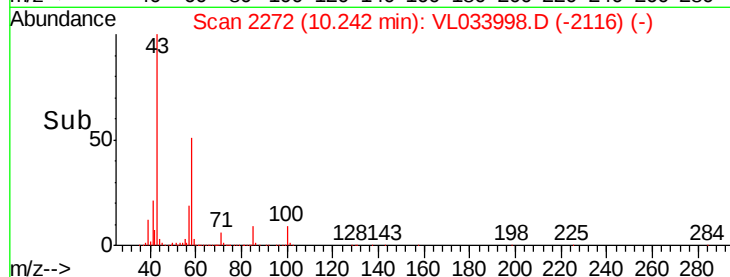
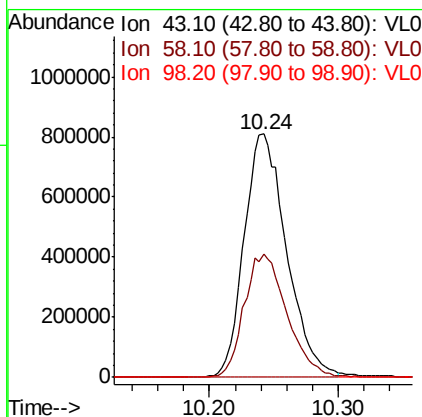
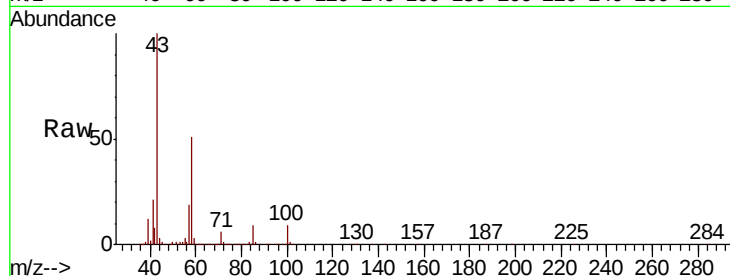




#51
2-Hexanone
Concen: 11.125 ppbv
RT: 10.24 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

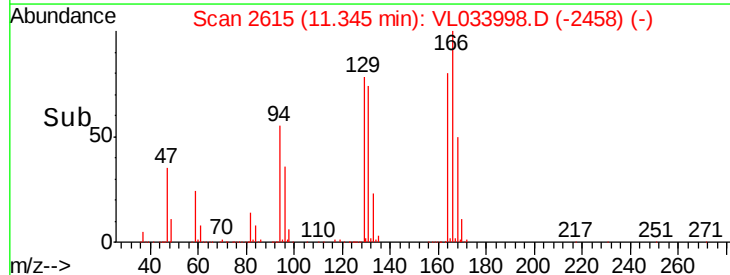
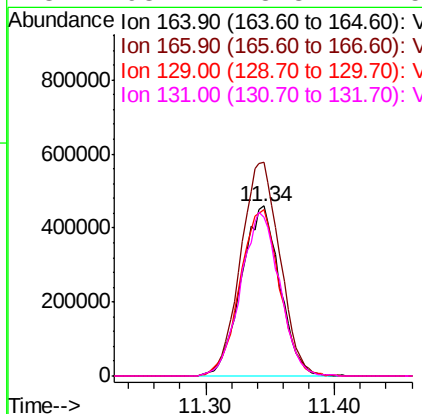
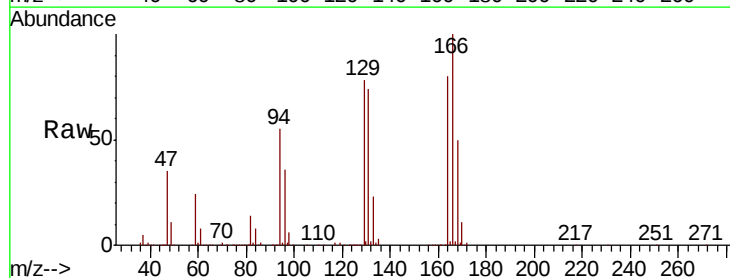
Instrument :
MSVOA_L
ClientSampled :

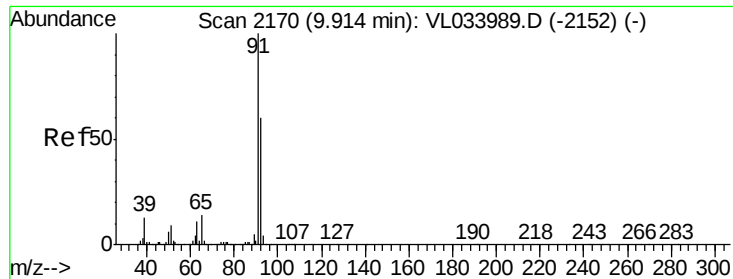
Tot Ion: 43 Resp: 1855255
Ion Ratio Lower Upper
43 100
58 51.0 41.0 61.4
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.820 ppbv
RT: 11.34 min Scan# 2615
Delta R.T. 0.01 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Tgt Ion: 164 Resp: 959423
Ion Ratio Lower Upper
164 100
166 125.5 100.2 150.2
129 97.5 81.0 121.6
131 93.1 78.3 117.5





#53

Toluene

Concen: 11.833 ppbv

RT: 9.92 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

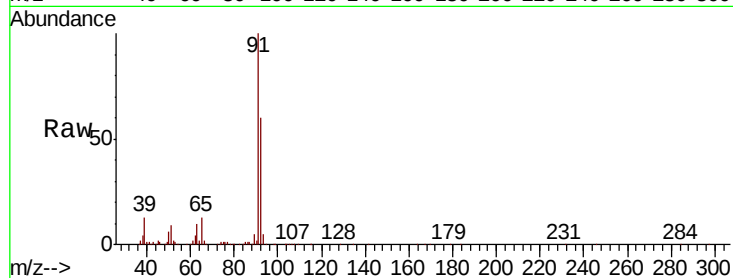
ClientSampleId :

Tot Ion: 91 Resp: 2790563

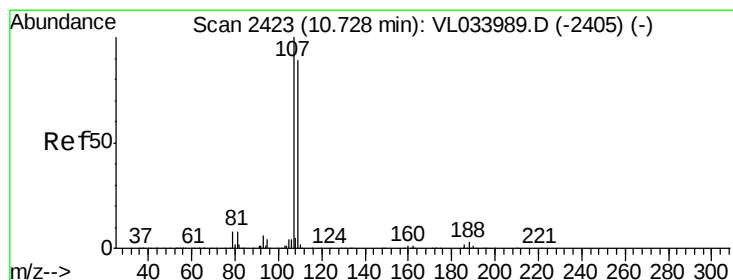
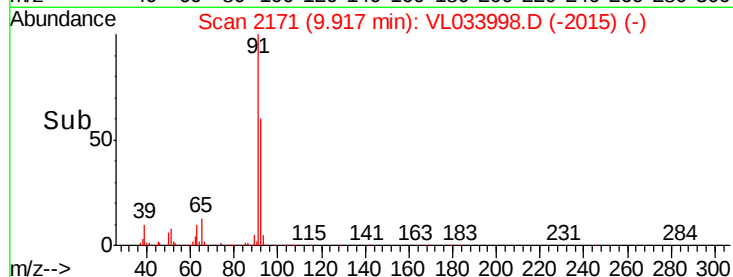
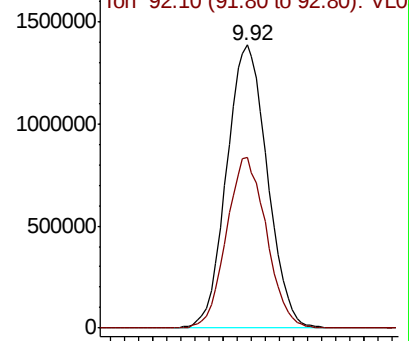
Ion Ratio Lower Upper

91 100

92 59.5 47.7 71.5



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 11.428 ppbv

RT: 10.73 min Scan# 2424

Delta R.T. 0.00 min

Lab File: VL033998.D

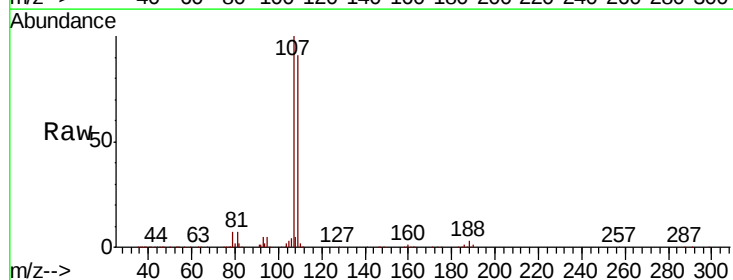
Acq: 2 Jul 2019 23:57

Tgt Ion: 107 Resp: 1624469

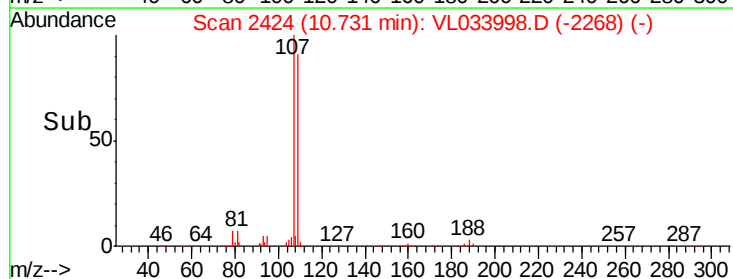
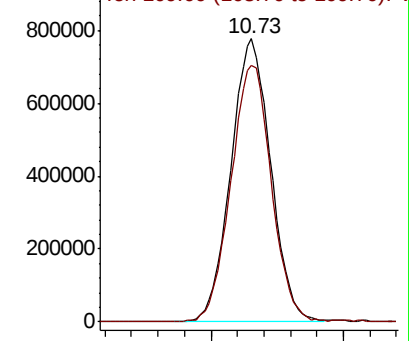
Ion Ratio Lower Upper

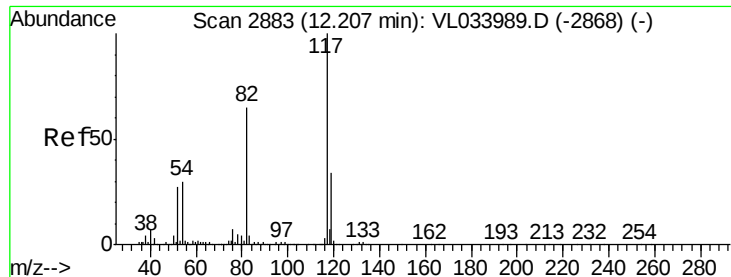
107 100

109 90.7 71.5 107.3



Abundance Ion 107.00 (106.70 to 107.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2883

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

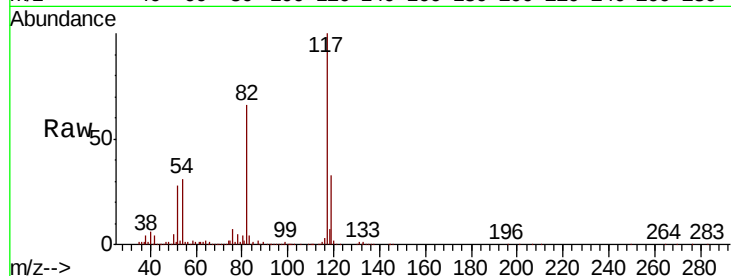
ClientSampleId :

Tot Ion:117 Resp: 3426181

Ion	Ratio	Lower	Upper
117	100		
82	52.1	50.8	76.2
119	28.6	24.0	36.0

82 52.1 50.8 76.2

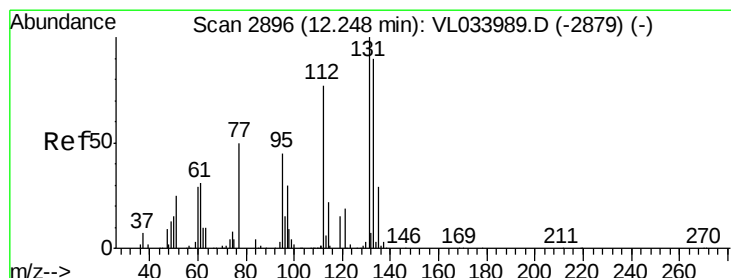
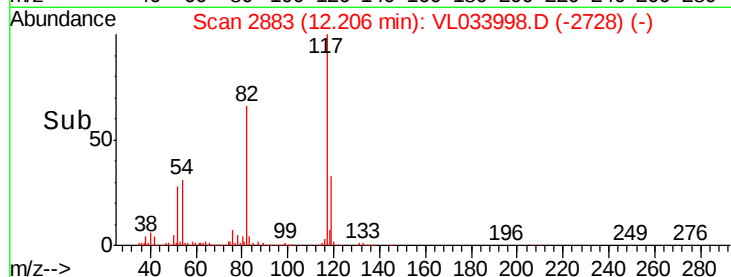
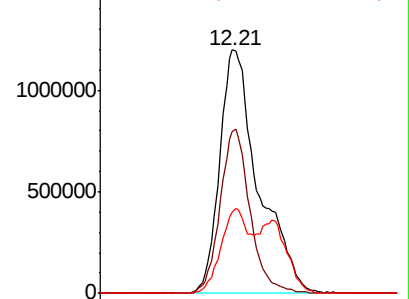
119 28.6 24.0 36.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.152 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

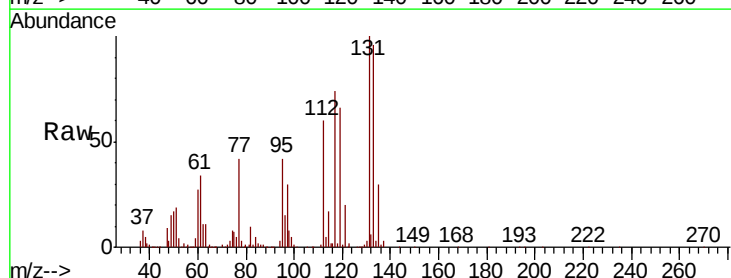
Tgt Ion:131 Resp: 1248383

Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.2	114.2
119	60.3	43.1	64.7

131 100

133 94.6 76.2 114.2

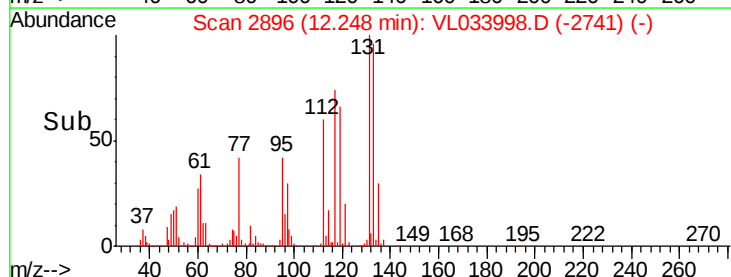
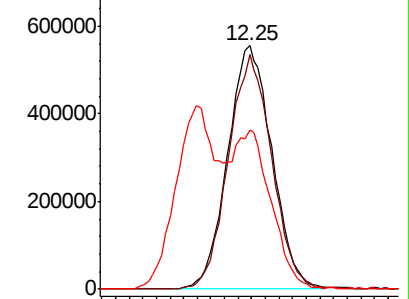
119 60.3 43.1 64.7

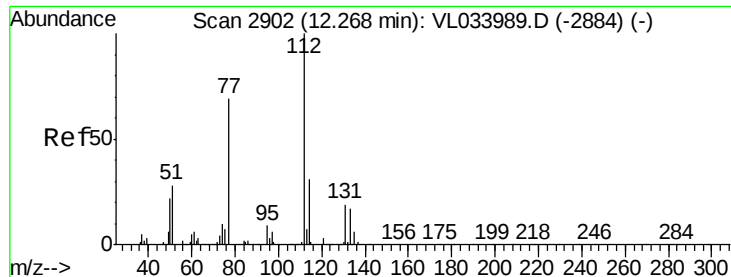


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.025 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampleId :

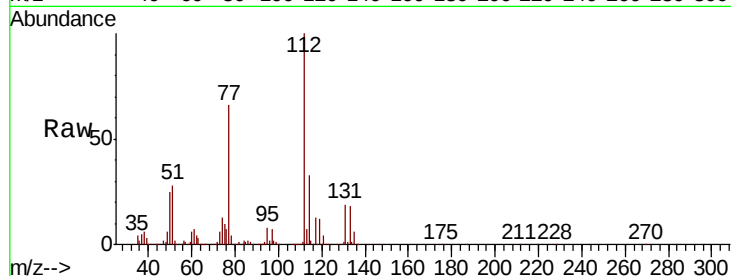
Tot Ion:112 Resp: 2189094

Ion Ratio Lower Upper

112 100

77 65.3 55.9 83.9

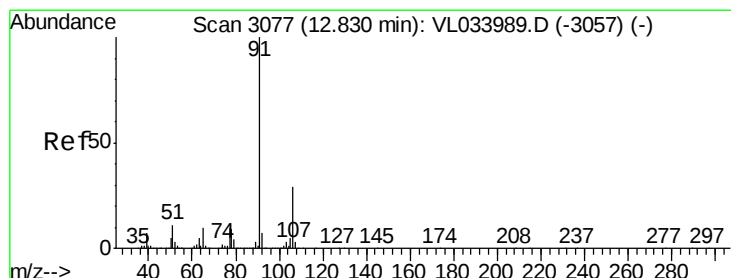
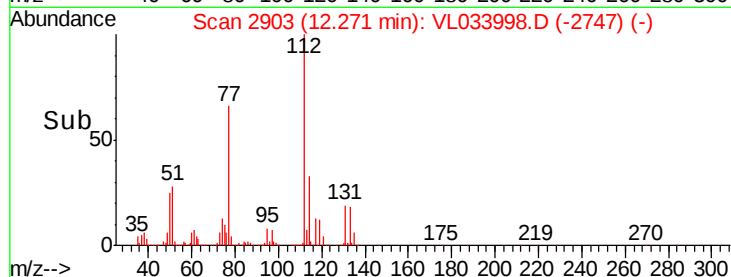
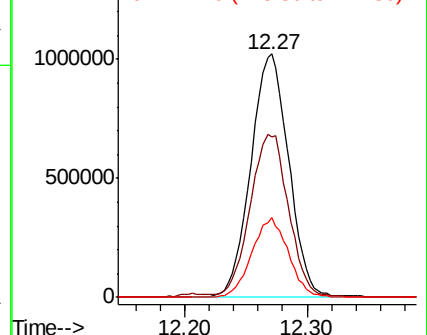
114 32.9 27.6 33.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.586 ppbv

RT: 12.83 min Scan# 3077

Delta R.T. -0.00 min

Lab File: VL033998.D

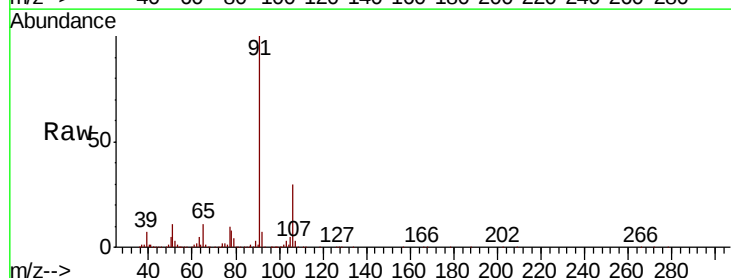
Acq: 2 Jul 2019 23:57

Tgt Ion: 91 Resp: 3949534

Ion Ratio Lower Upper

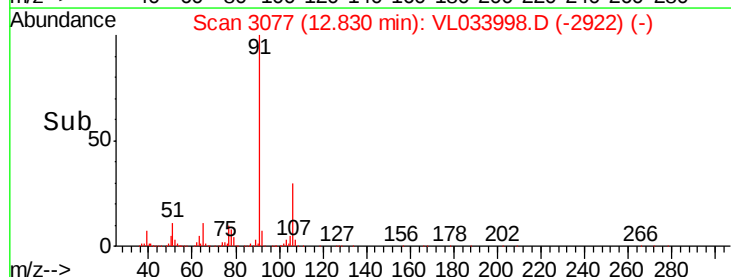
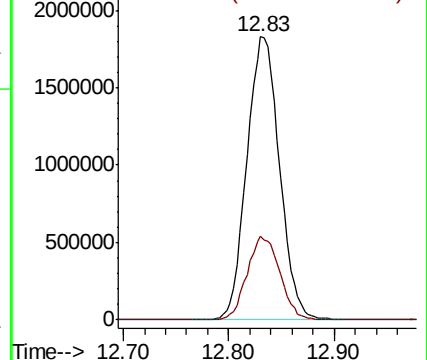
91 100

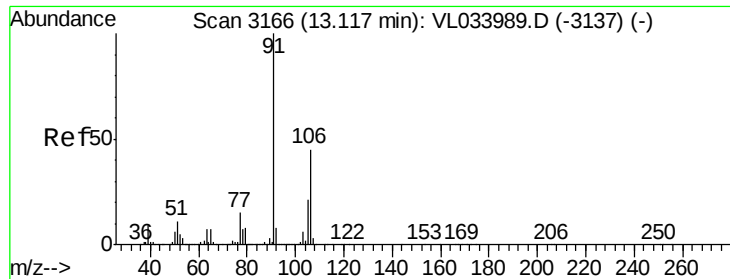
106 29.8 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

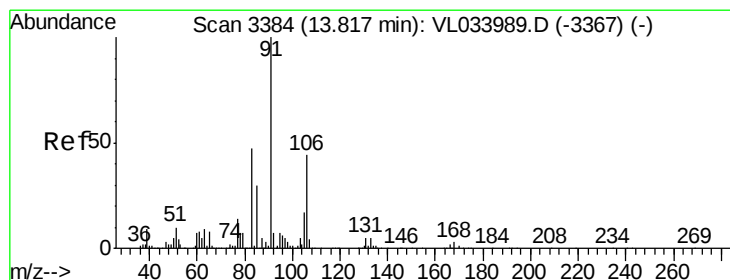
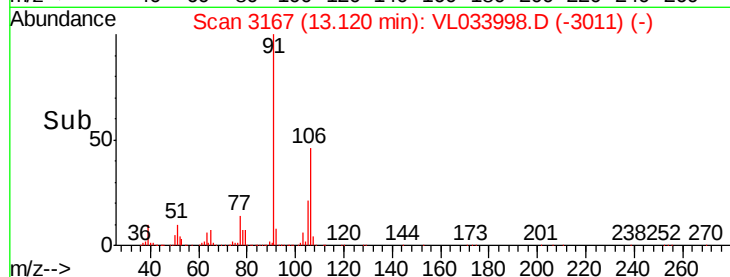
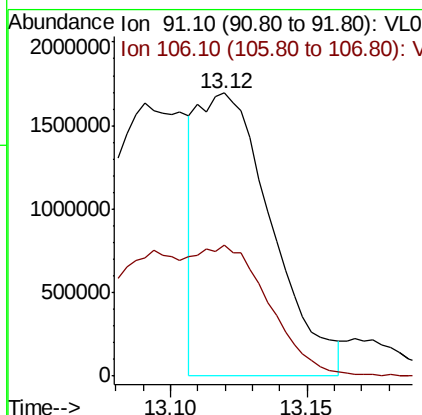
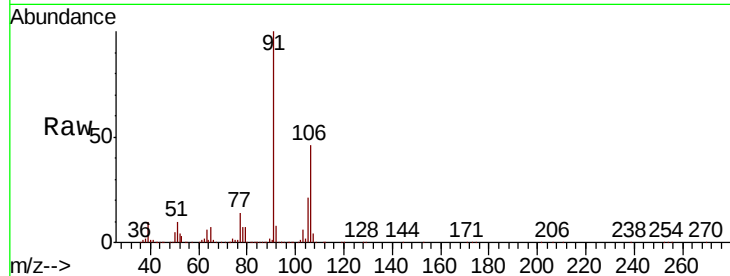




#59
m/p-Xylene
Concen: 8.543 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

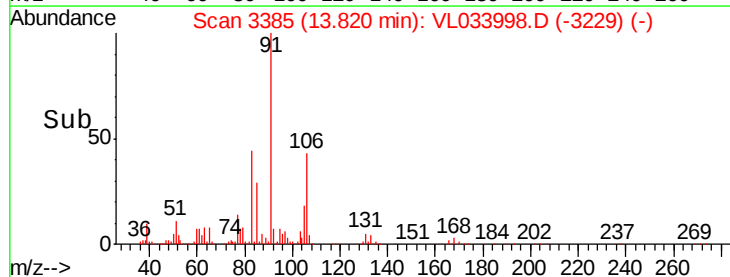
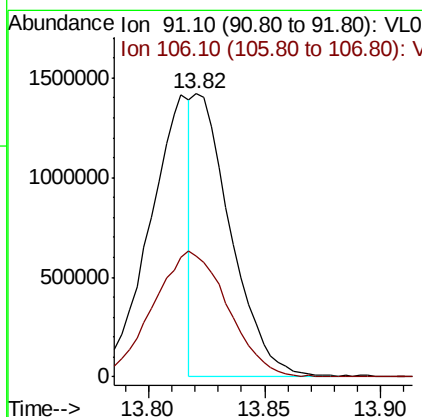
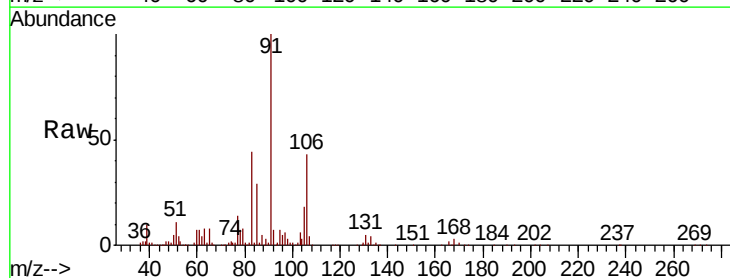
Instrument :
MSVOA_L
ClientSampled :

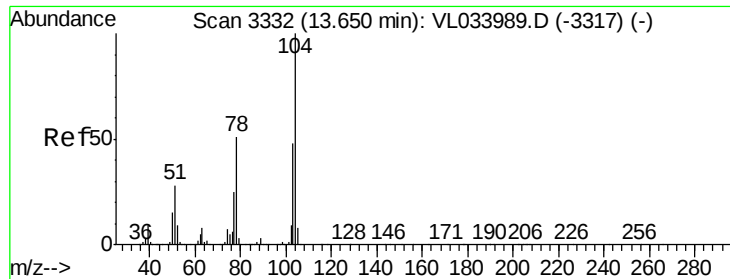
Tot Ion: 91 Resp: 3186974
Ion Ratio Lower Upper
91 100
106 93.4 35.7 53.5#



#60
o-Xylene
Concen: 4.221 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. 0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Tgt Ion: 91 Resp: 1575148
Ion Ratio Lower Upper
91 100
106 90.7 21.9 65.7#





#61

Stvrene

Concen: 10.041 ppbv

RT: 13.65 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampleId :

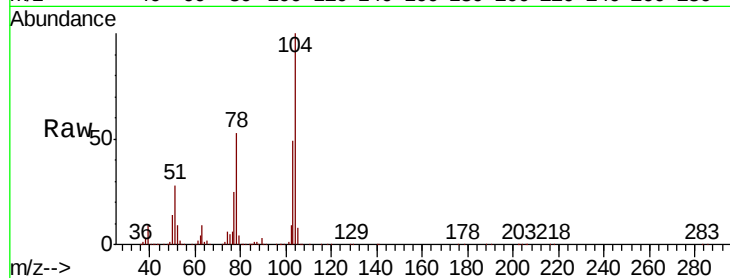
Tot Ion:104 Resp: 2479958

Ion Ratio Lower Upper

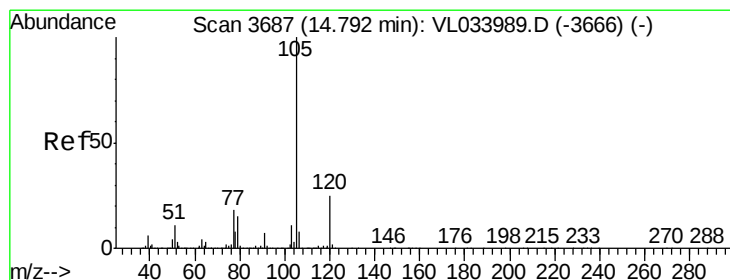
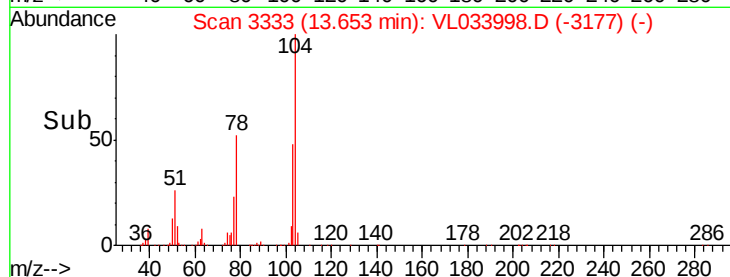
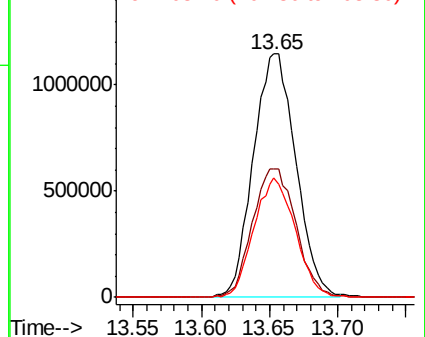
104 100

78 54.3 43.9 65.9

103 47.8 38.1 57.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.760 ppbv

RT: 14.79 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL033998.D

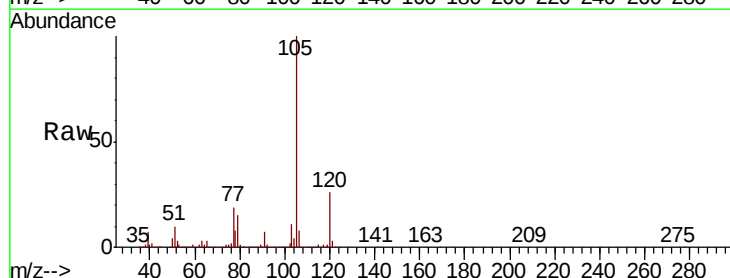
Acq: 2 Jul 2019 23:57

Tgt Ion:105 Resp: 4451876

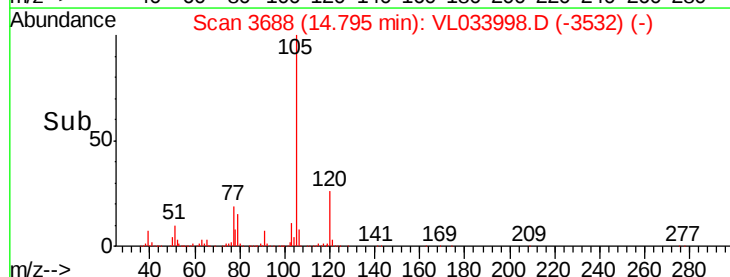
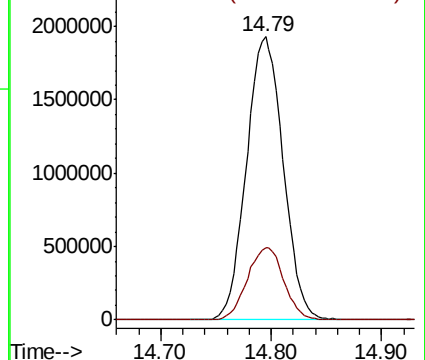
Ion Ratio Lower Upper

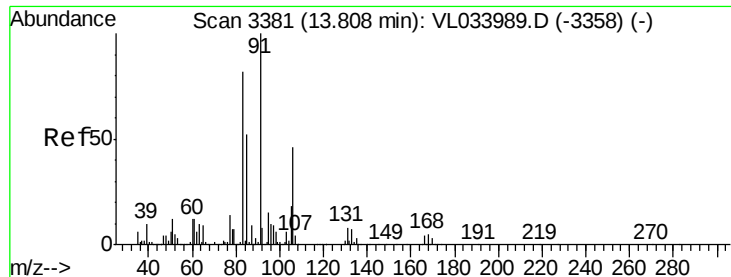
105 100

120 25.3 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.959 ppbv

RT: 13.80 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampleId :

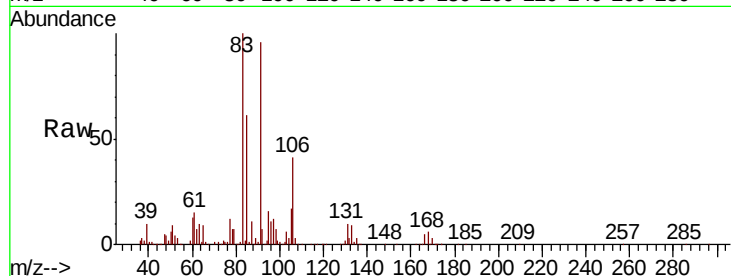
Tot Ion: 83 Resp: 2299211

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

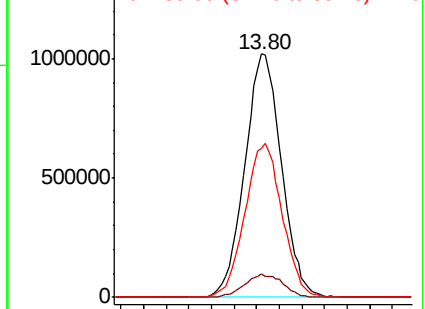
85 64.2 32.8 98.3



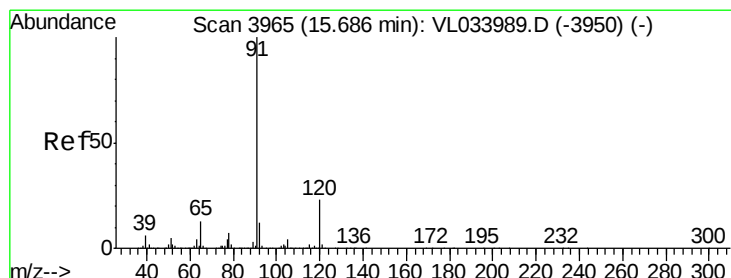
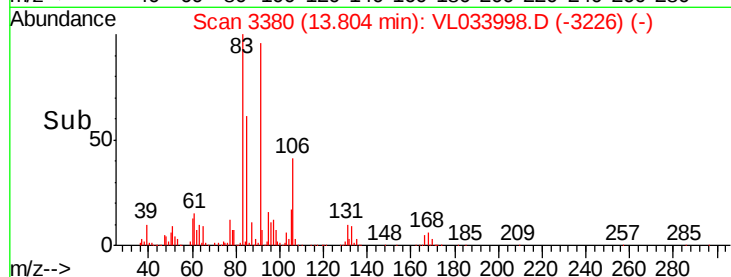
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#64

n-propylbenzene

Concen: 7.810 ppbv

RT: 15.69 min Scan# 3967

Delta R.T. 0.01 min

Lab File: VL033998.D

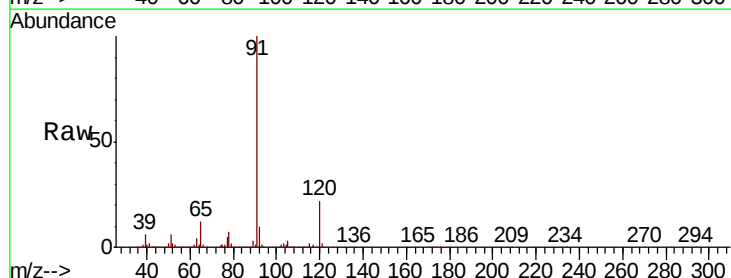
Acq: 2 Jul 2019 23:57

Tgt Ion:120 Resp: 1161903

Ion Ratio Lower Upper

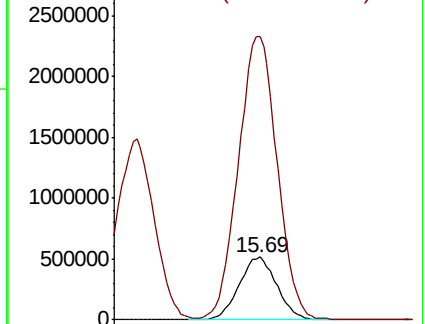
120 100

91 467.4 386.6 579.8

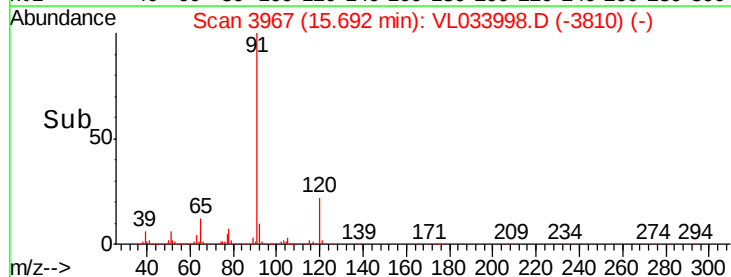


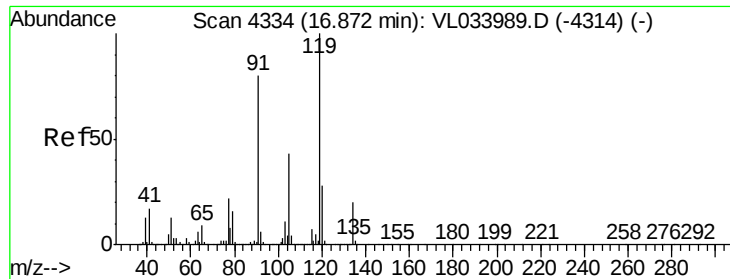
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time-->





#65

tert-Butylbenzene

Concen: 8.172 ppbv

RT: 16.88 min Scan# 4336

Delta R.T. 0.01 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

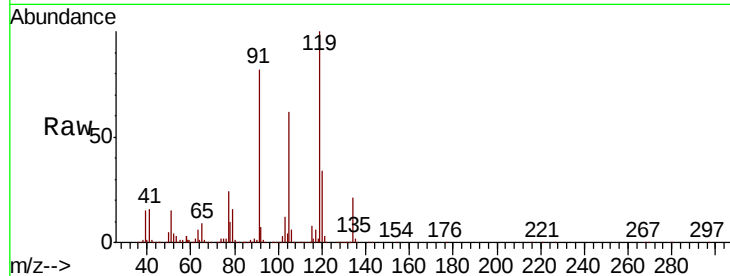
ClientSampleId :

Tot Ion: 119 Resp: 3986985

Ion	Ratio	Lower	Upper
119	100		
91	82.4	67.0	100.6
134	19.9	15.8	23.6

91 82.4 67.0 100.6

134 19.9 15.8 23.6

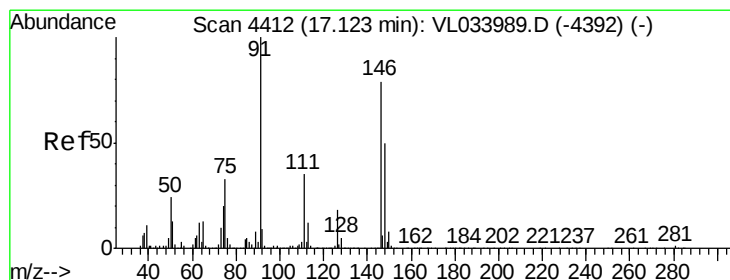
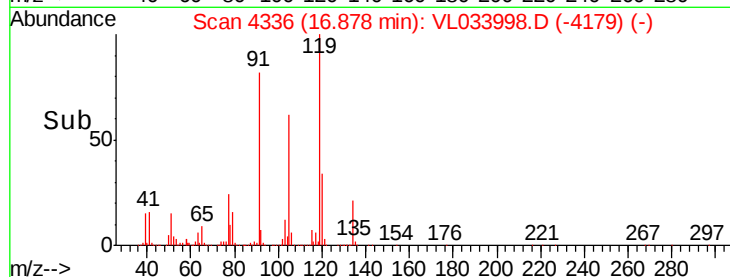
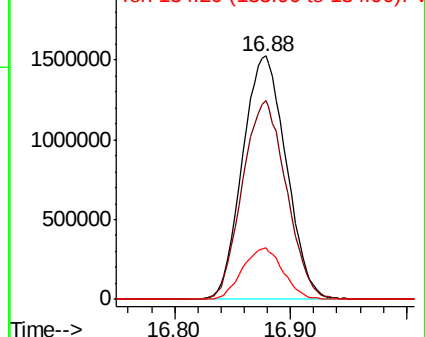


Abundance

Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.954 ppbv

RT: 17.12 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

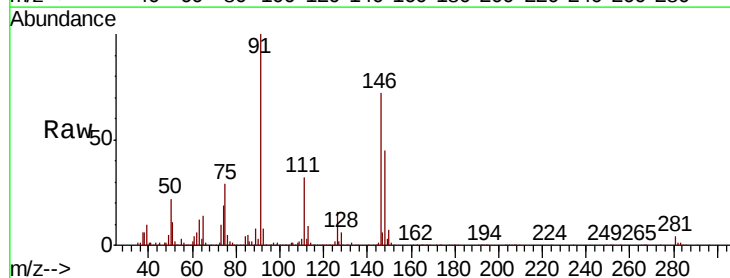
Tgt Ion: 91 Resp: 2235088

Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.9	20.9
128	5.5	4.6	7.0

91 100

126 17.4 13.9 20.9

128 5.5 4.6 7.0

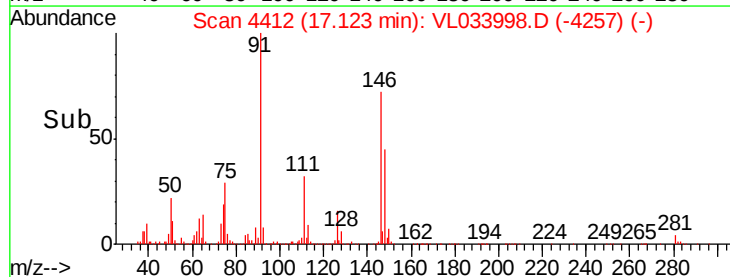
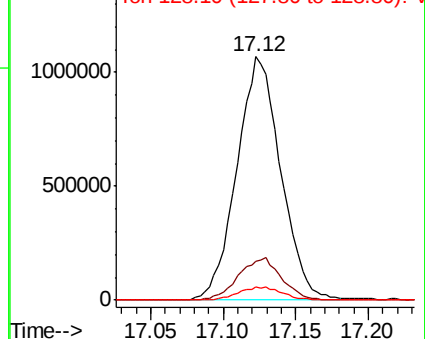


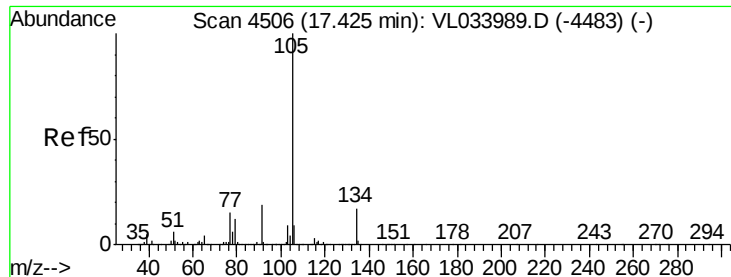
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

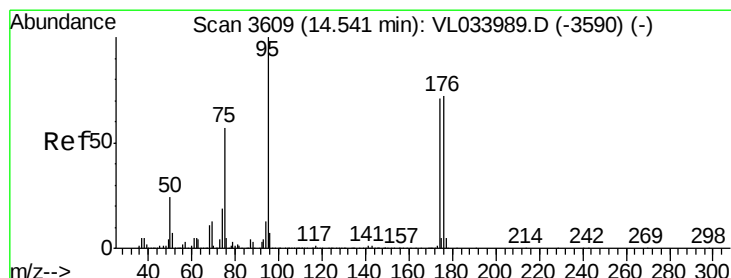
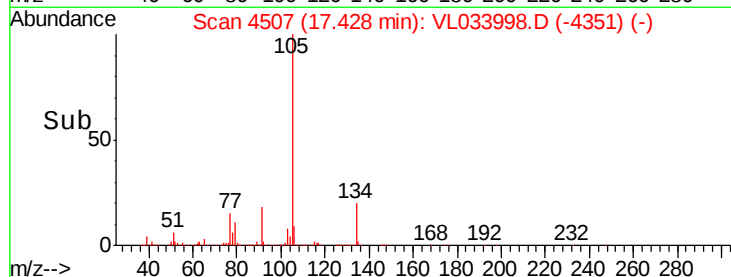
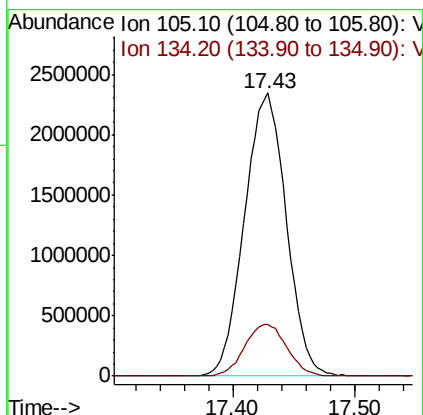
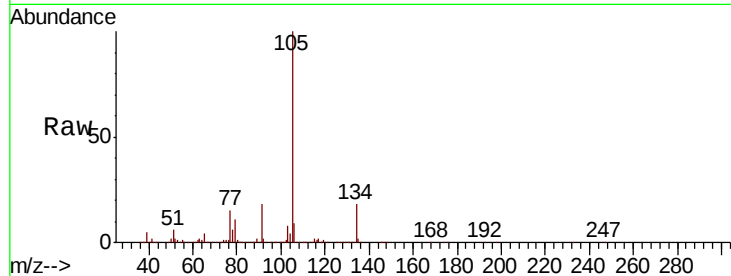




#67
 sec-Butylbenzene
 Concen: 8.103 ppbv
 RT: 17.43 min Scan# 4507
 Delta R.T. 0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

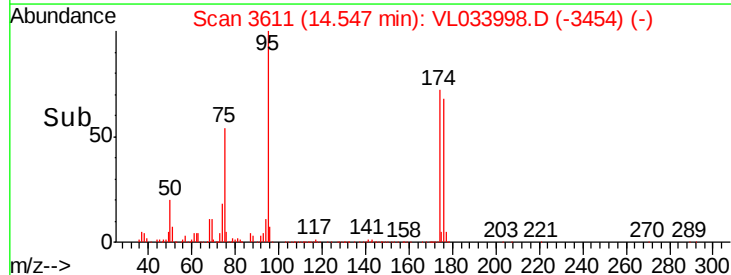
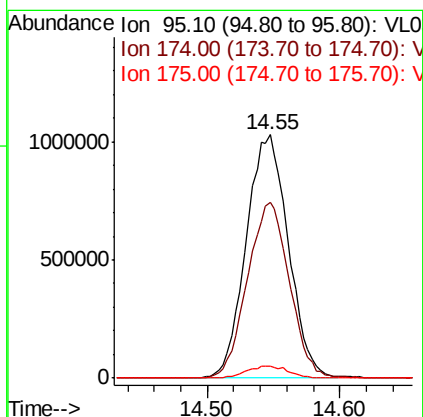
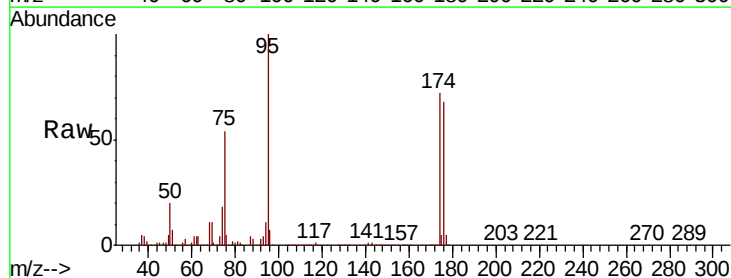
Instrument :
 MSVOA_L
 ClientSampleId :

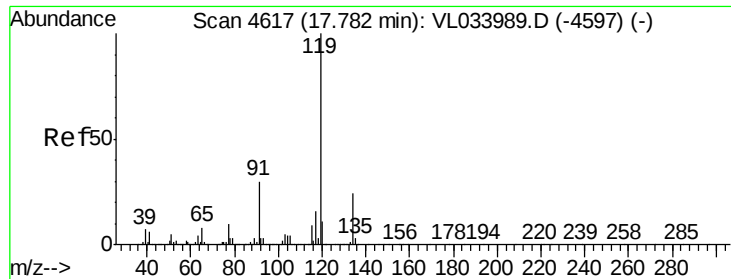
Tot Ion:105 Resp: 5548938
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.769 ppbv
 RT: 14.55 min Scan# 3611
 Delta R.T. 0.01 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Tgt Ion: 95 Resp: 2270345
 Ion Ratio Lower Upper
 95 100
 174 72.3 60.5 90.7
 175 5.1 4.0 6.0

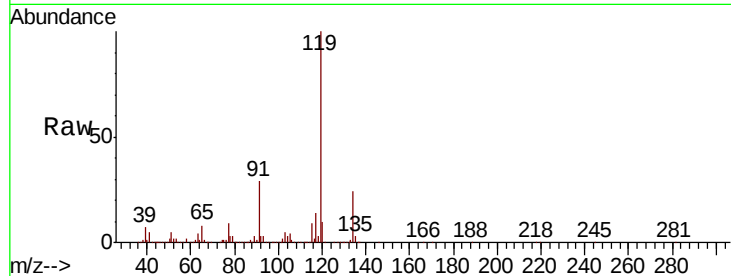




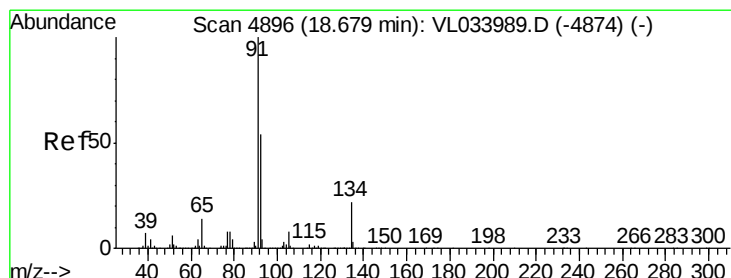
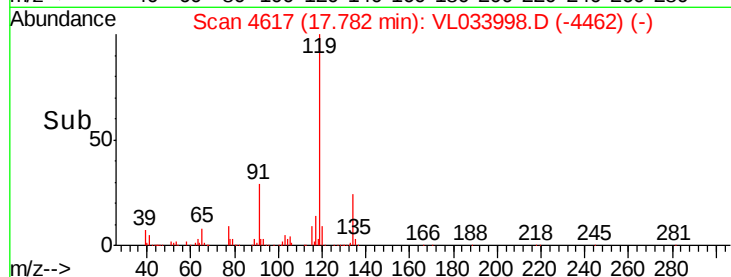
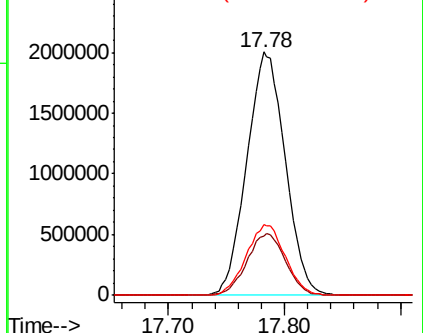
#69
 p-Isopropyltoluene
 Concen: 8.162 ppbv
 RT: 17.78 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 4608372
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.1 30.1
 91 29.5 23.6 35.4

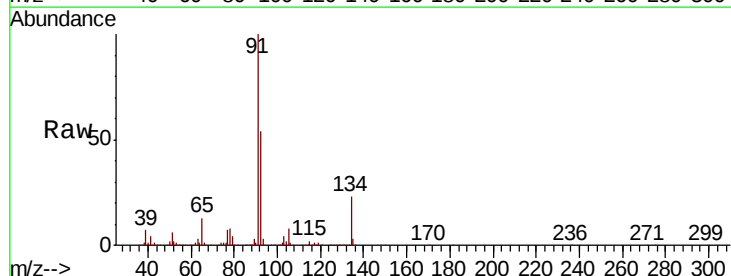


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

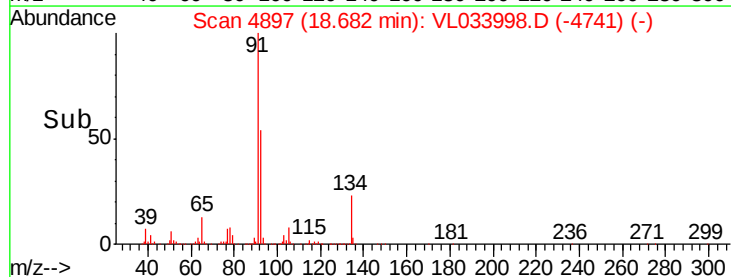
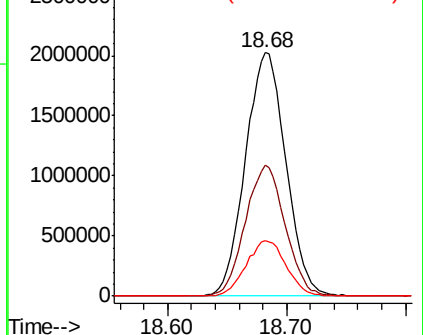


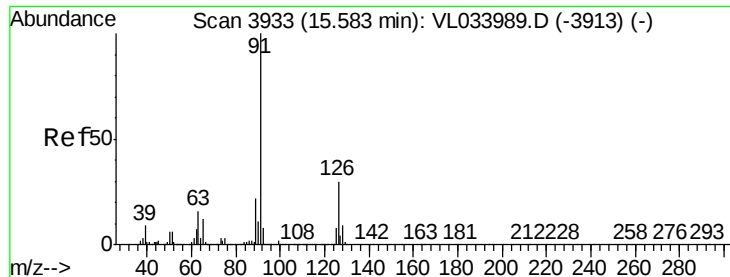
#70
 n-Butylbenzene
 Concen: 8.027 ppbv
 RT: 18.68 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Tgt Ion: 91 Resp: 4760981
 Ion Ratio Lower Upper
 91 100
 92 52.9 42.0 63.0
 134 22.7 17.9 26.9



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V

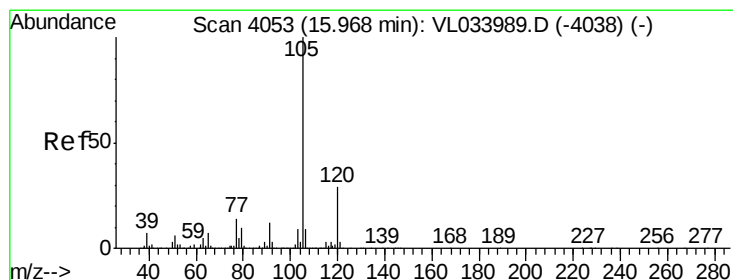
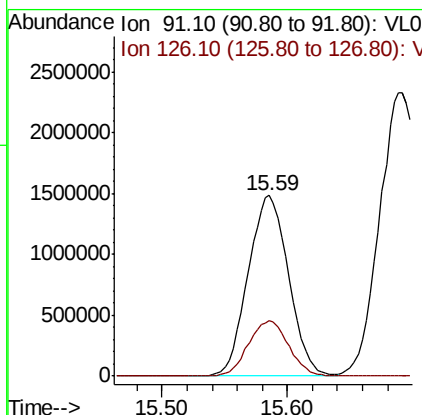
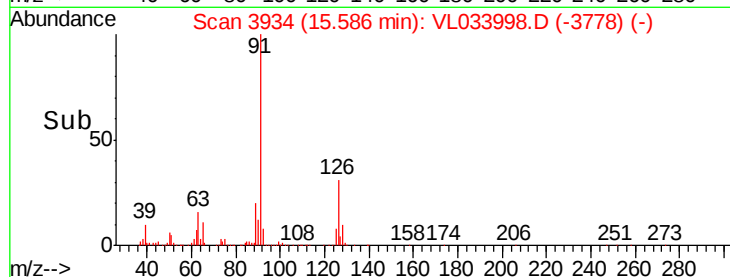
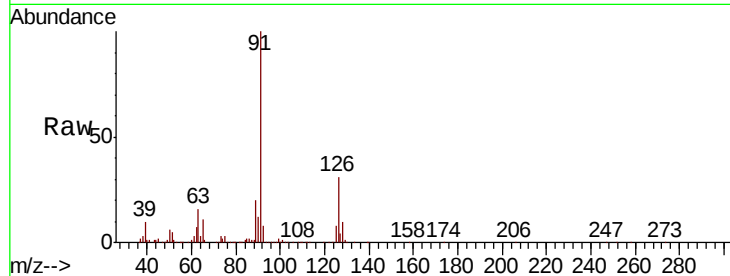




#71
2-Chlorotoluene
Concen: 7.933 ppbv
RT: 15.59 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

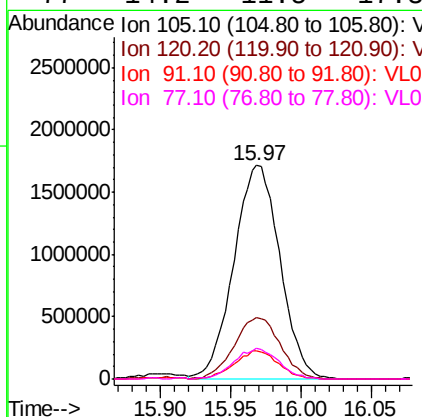
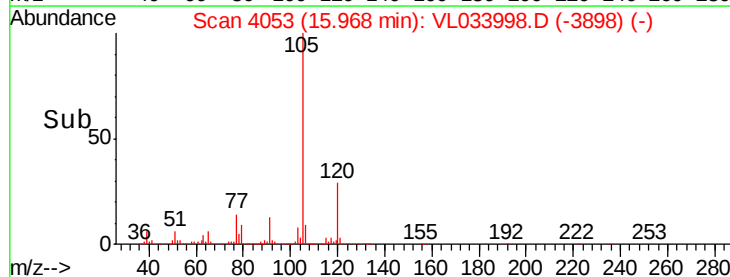
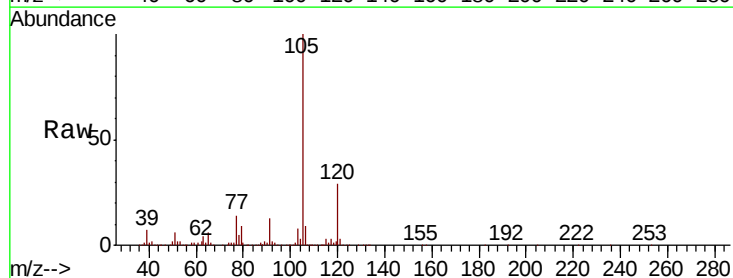
Instrument :
MSVOA_L
ClientSampleId :

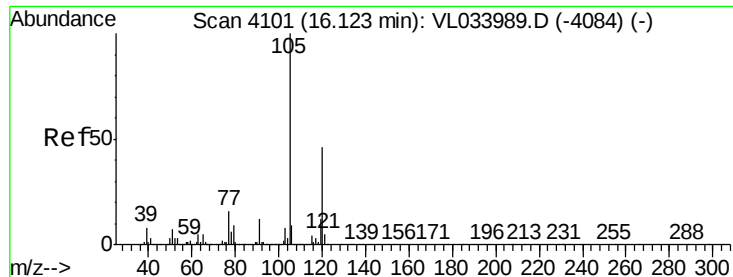
Tot Ion: 91 Resp: 3330658
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.3



#72
4-Ethyltoluene
Concen: 8.140 ppbv
RT: 15.97 min Scan# 4053
Delta R.T. -0.00 min
Lab File: VL033998.D
Acq: 2 Jul 2019 23:57

Tgt Ion:105 Resp: 3901297
Ion Ratio Lower Upper
105 100
120 29.1 24.1 36.1
91 12.8 10.6 16.0
77 14.2 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 8.375 ppbv

RT: 16.13 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

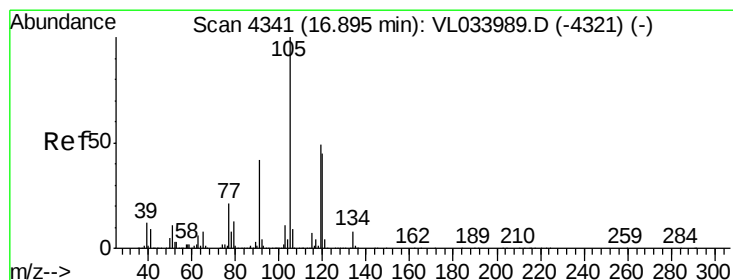
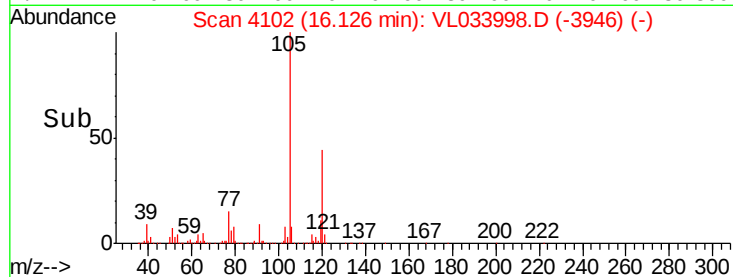
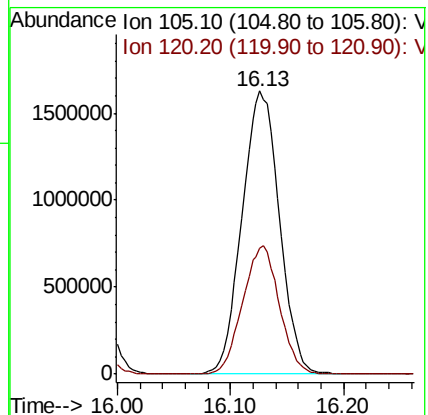
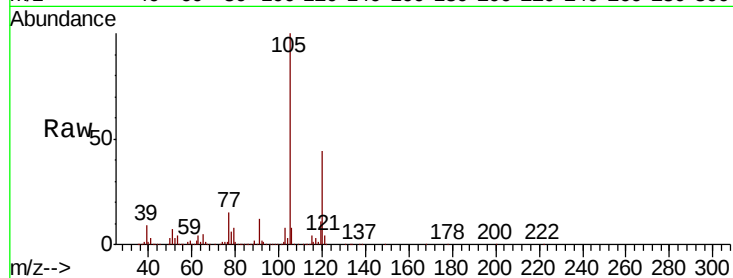
ClientSampleId :

Tot Ion:105 Resp: 3734875

Ion Ratio Lower Upper

105 100

120 44.4 36.4 54.6



#74

1,2,4-Trimethylbenzene

Concen: 7.845 ppbv

RT: 16.89 min Scan# 4341

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Tgt Ion:105 Resp: 3874943

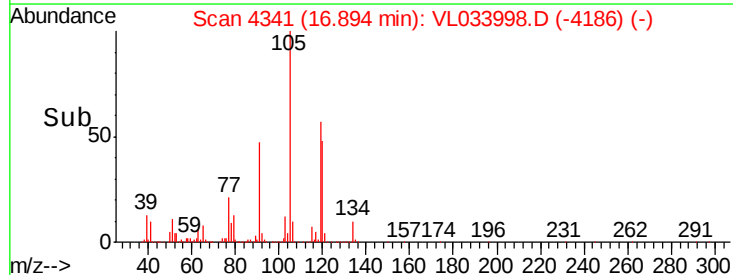
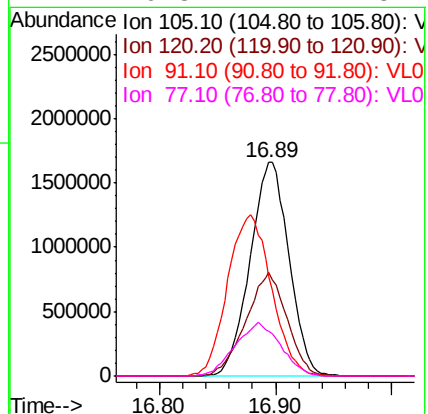
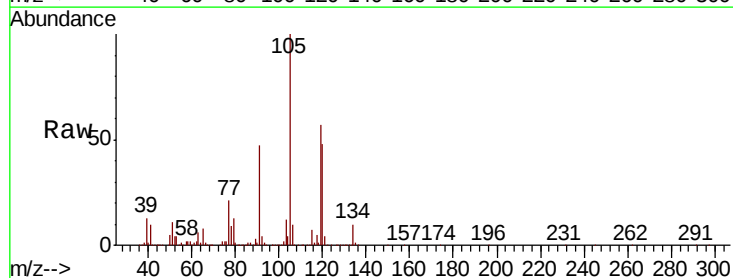
Ion Ratio Lower Upper

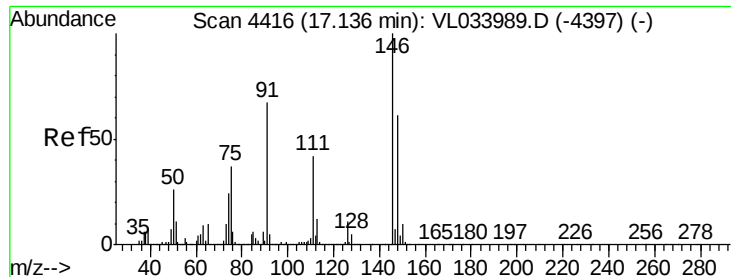
105 100

120 48.3 36.2 54.2

91 46.6 34.3 51.5

77 20.8 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 7.375 ppbv

RT: 17.13 min Scan# 4415

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

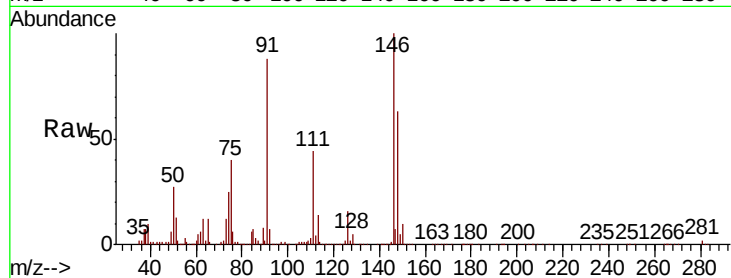
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2313932

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.3	66.9
148	64.5	32.0	96.2

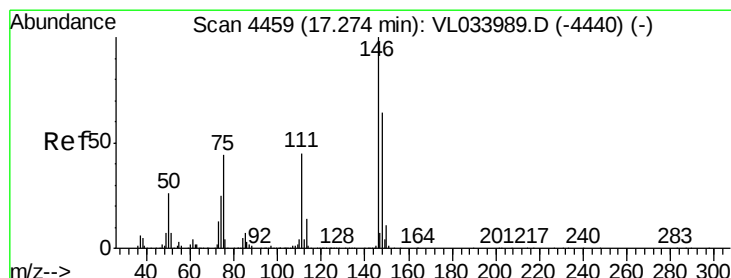
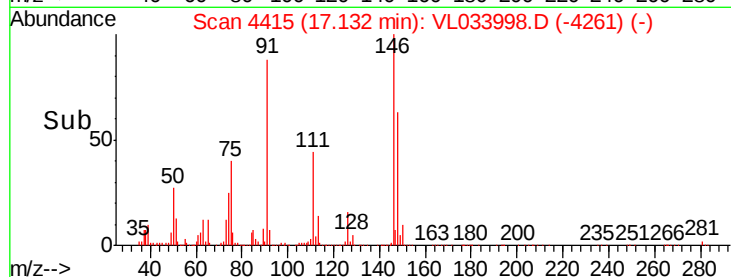
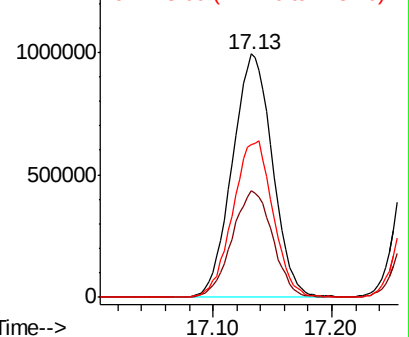


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.774 ppbv

RT: 17.28 min Scan# 4460

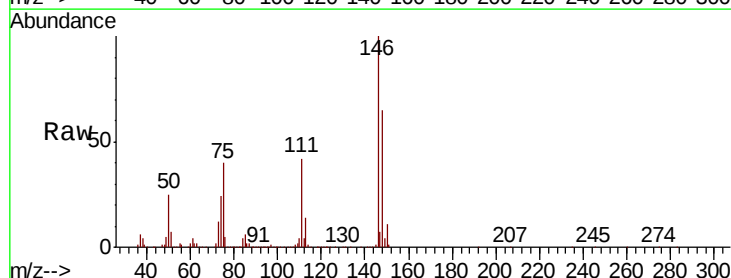
Delta R.T. 0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Tgt Ion:146 Resp: 2297301

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.5
148	64.5	32.5	97.5

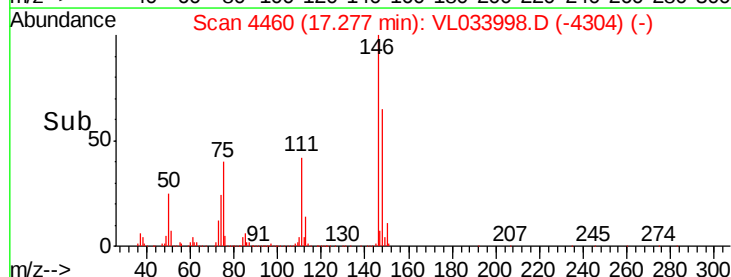
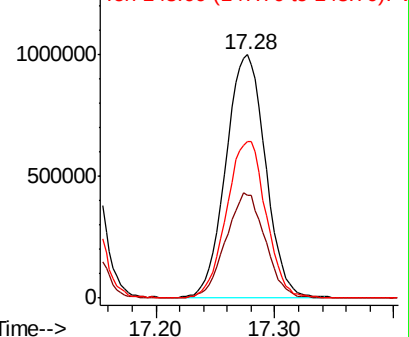


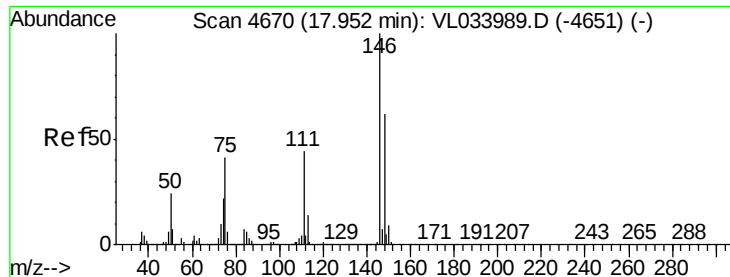
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

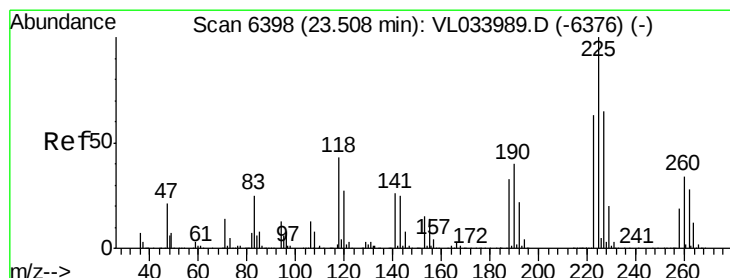
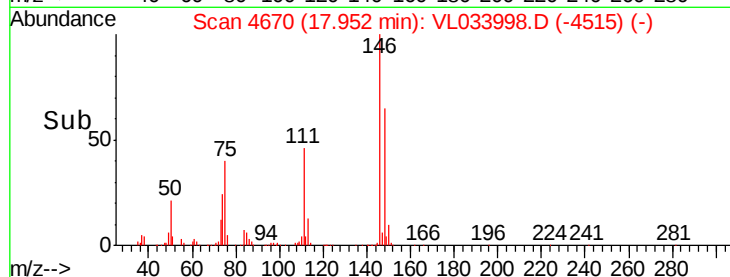
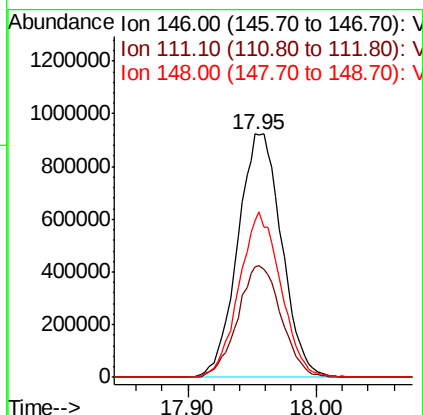
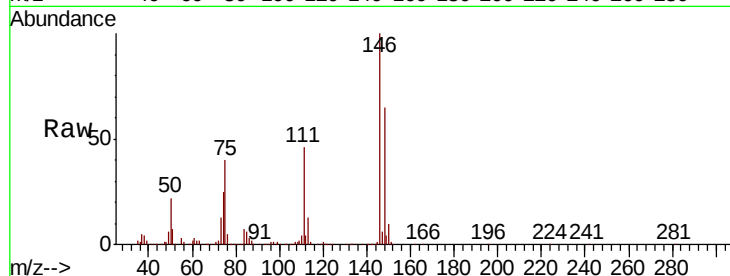




#77
 1,2-Dichlorobenzene
 Concen: 7.540 ppbv
 RT: 17.95 min Scan# 4670
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

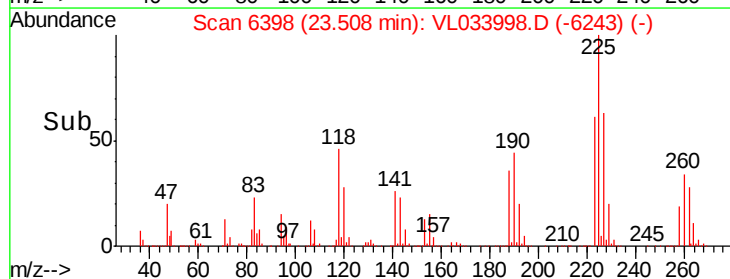
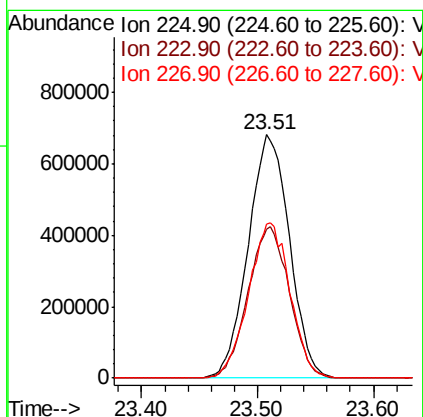
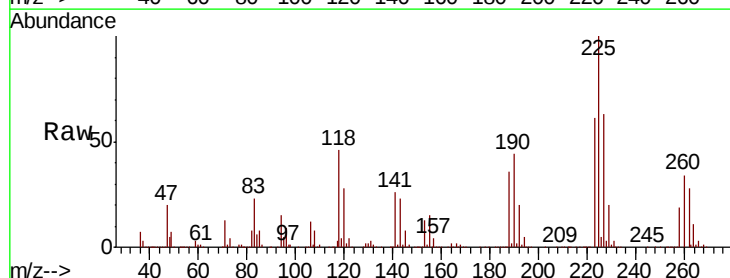
Instrument :
 MSVOA_L
 ClientSampled :

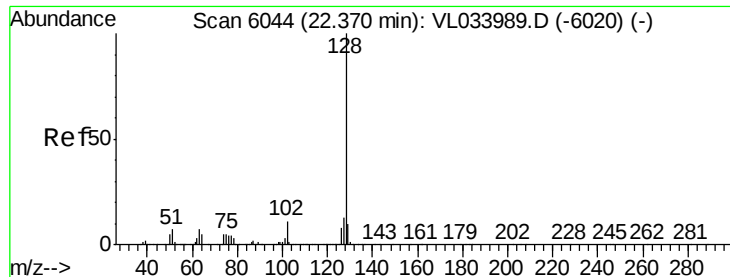
Tot Ion:146 Resp: 2190656
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.7 68.1
 148 64.8 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.826 ppbv
 RT: 23.51 min Scan# 6398
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Tgt Ion:225 Resp: 1687394
 Ion Ratio Lower Upper
 225 100
 223 62.5 51.5 77.3
 227 64.0 52.1 78.1





#79

Naphthalene

Concen: 8.802 ppbv

RT: 22.37 min Scan# 6043

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

Instrument :

MSVOA_L

ClientSampleId :

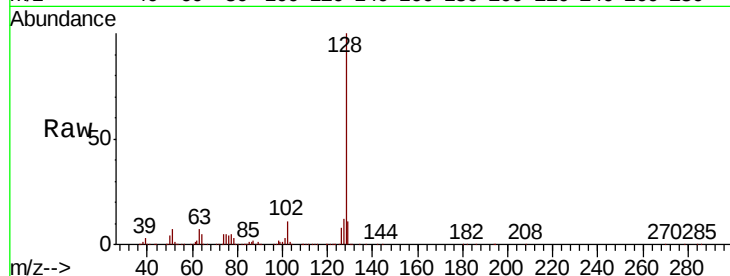
Tot Ion:128 Resp: 3655156

Ion Ratio Lower Upper

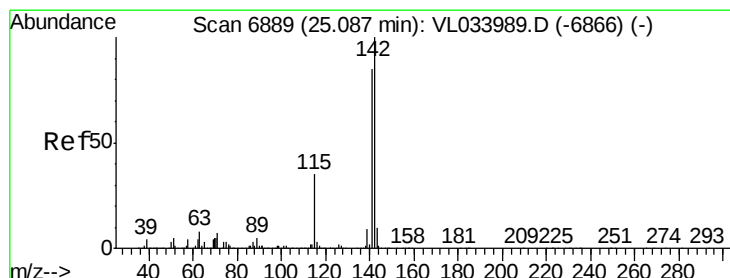
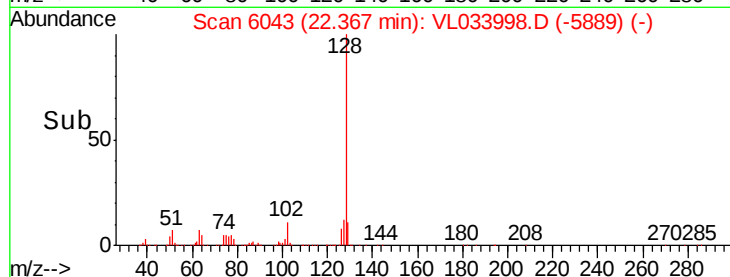
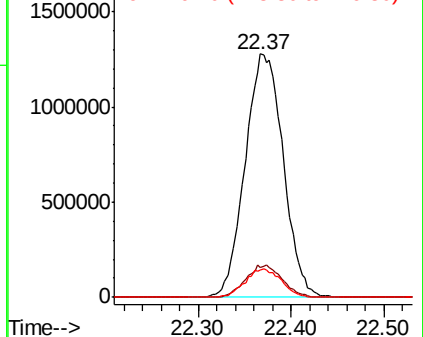
128 100

127 12.1 10.6 15.8

129 11.4 8.3 12.5



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.862 ppbv

RT: 25.09 min Scan# 6889

Delta R.T. -0.00 min

Lab File: VL033998.D

Acq: 2 Jul 2019 23:57

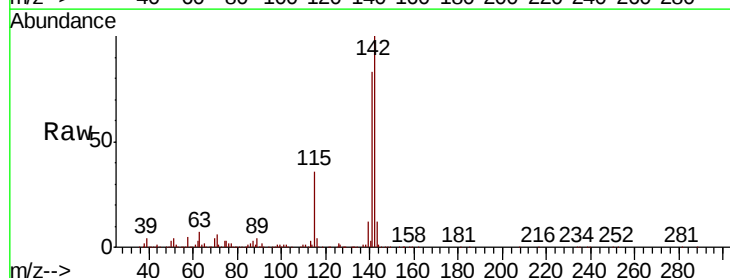
Tgt Ion:142 Resp: 1188057

Ion Ratio Lower Upper

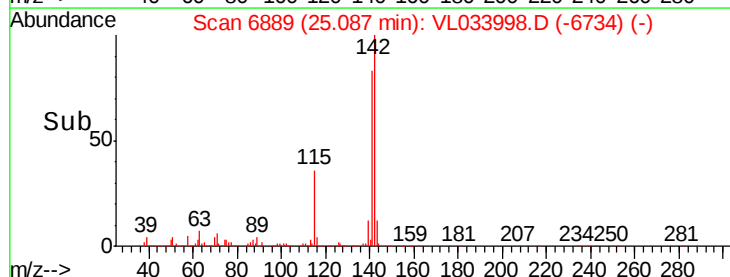
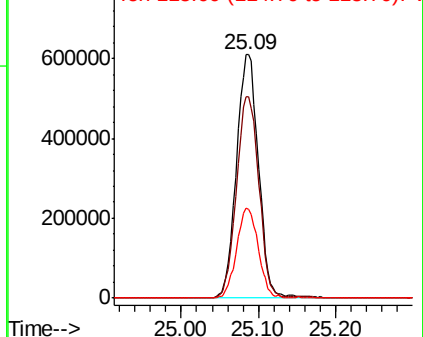
142 100

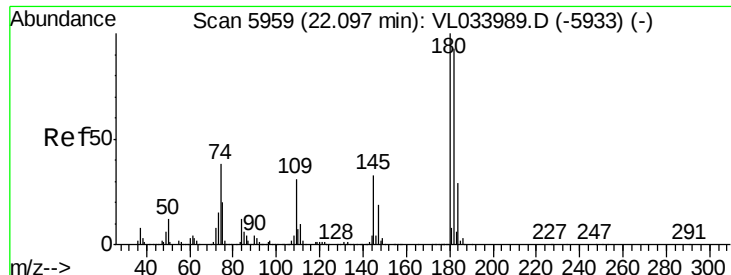
141 85.0 68.2 102.2

115 36.5 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

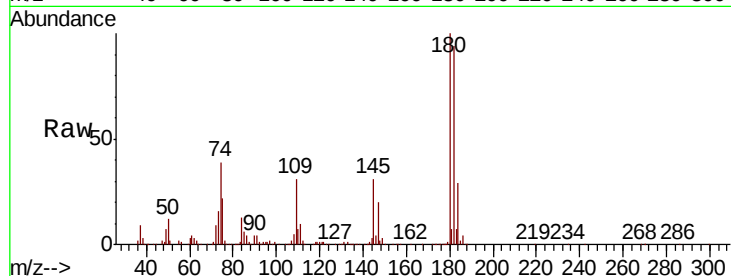




#81
 1,2,4-Trichlorobenzene
 Concen: 8.197 ppbv
 RT: 22.10 min Scan# 5959
 Delta R.T. -0.00 min
 Lab File: VL033998.D
 Acq: 2 Jul 2019 23:57

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2186086
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.6 114.8
 184 30.9 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

