

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020321\
 Data File : VL036294.D
 Acq On : 3 Feb 2021 14:24
 Operator : SY/AP
 Sample : VL0203ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 01:46:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1633617	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.21	114	3714873	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.13	117	4336726	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	3012826	8.39	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	2216330	10.121	ppbv 100
3) Chlorodifluoromethane	3.01	51	1908797	9.514	ppbv 98
4) Chloromethane	3.16	50	917732	9.255	ppbv 91
5) Vinyl Chloride	3.28	62	898356	9.574	ppbv 95
6) Bromomethane	3.50	94	515115	9.819	ppbv 96
7) Chloroethane	3.58	64	315692	9.770	ppbv 96
8) Dichlorotetrafluoroethane	3.21	85	2093971	9.870	ppbv 99
9) Propene	3.03	41	839983	8.792	ppbv 97
10) Heptane	8.16	43	2137577	9.013	ppbv 98
11) Trichlorofluoromethane	3.98	101	2234536	10.037	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1393284	10.323	ppbv 96
13) Ethanol	3.63	45	97897	6.526	ppbv 93
14) Bromoethene	3.76	108	606624	9.870	ppbv 96
15) Acetone	3.88	43	1735523	8.674	ppbv 98
16) 1,3-Butadiene	3.35	39	892428	9.156	ppbv 97
17) tert-Butyl alcohol	4.32	59	1640056	9.934	ppbv 98
18) 1,1-Dichloroethene	4.32	96	602627	9.631	ppbv 91
19) Isopropyl Alcohol	4.00	45	1020597	8.461	ppbv 100
20) Methylene Chloride	4.37	84	544203	8.522	ppbv 96
21) Allyl Chloride	4.44	41	1048888	9.631	ppbv 96
22) trans-1,2-Dichloroethene	4.91	96	572012	9.894	ppbv 99
23) Vinyl Acetate	5.11	43	2399832	9.899	ppbv 99
24) 1,1-Dichloroethane	5.04	63	1747417	9.950	ppbv 98
25) Ethyl Acetate	5.71	43	3661970	9.117	ppbv 99
26) Hexane	5.72	57	1492113	8.922	ppbv 97
27) Carbon Disulfide	4.58	76	1578787	11.806	ppbv 98
28) Methyl tert-Butyl Ether	5.07	73	2185672	9.664	ppbv 97
29) Chloroform	5.79	83	2381223	9.945	ppbv 96
30) Cyclohexane	7.17	84	1242621	9.723	ppbv 99
31) cis-1,2-Dichloroethene	5.58	61	1577384	9.868	ppbv 94
32) 1,1,1-Trichloroethane	6.55	97	2367535	10.223	ppbv 99
34) 2-Butanone	5.28	43	2352799	8.600	ppbv 97
35) Carbon Tetrachloride	7.06	117	2375595	10.121	ppbv 99
36) Benzene	6.93	78	3096378	9.097	ppbv 99
37) 1,2-Dichloroethane	6.35	62	1953520	9.537	ppbv 99
38) Trichloroethene	7.87	130	1055482	8.372	ppbv 96
39) 1,2-Dichloropropane	7.65	63	1262733	9.137	ppbv 98
40) 1,4-Dioxane	7.87	88	401733	8.036	ppbv # 93
41) Tetrahydrofuran	6.08	42	1360208	8.603	ppbv 100
42) Bromodichloromethane	7.83	83	2590507	10.063	ppbv 98
43) Methyl Methacrylate	8.05	69	1378694	9.531	ppbv 96

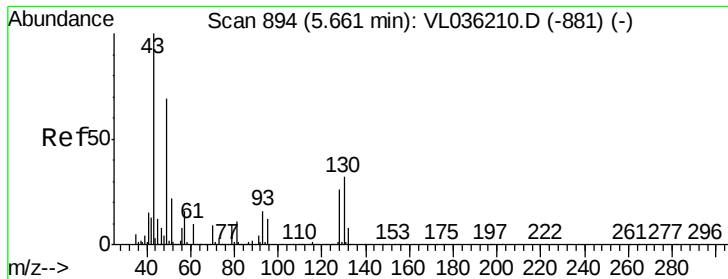
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020321\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	5339074	8.540	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1520889	11.069	ppbv	100
46) cis-1,3-Dichloropropene	8.74	75	1794781	10.165	ppbv	96
47) 1,1,2-Trichloroethane	9.52	97	648122	4.902	ppbv	95
48) Dibromochloromethane	10.35	129	1976789	10.219	ppbv	99
49) Bromoform	13.09	173	1574978	9.755	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	3582472	8.782	ppbv	99
51) 2-Hexanone	10.18	43	2931301	9.109	ppbv #	100
52) Tetrachloroethene	11.27	164	986928	7.868	ppbv	96
53) Toluene	9.85	91	3437729	9.028	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1796849	9.168	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	1470626	7.599	ppbv	99
57) Chlorobenzene	12.19	112	2351104	6.910	ppbv	97
58) Ethyl Benzene	12.76	91	4568919	7.100	ppbv	99
59) m/p-Xylene	13.04	91	3309178	5.984	ppbv #	14
60) o-Xylene	13.74	91	3595766	6.746	ppbv	100
61) Styrene	13.57	104	2506148	7.446	ppbv	100
62) Isopropylbenzene	14.71	105	5286840	6.671	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2492434	6.280	ppbv	99
64) n-propylbenzene	15.61	120	1340494	6.884	ppbv	99
65) tert-Butylbenzene	16.79	119	4352760	6.482	ppbv	99
66) Benzyl Chloride	17.03	91	1438324	8.384	ppbv	99
67) sec-Butylbenzene	17.34	105	6158549	6.178	ppbv	100
69) p-Isopropyltoluene	17.70	119	4940577	6.249	ppbv	100
70) n-Butylbenzene	18.59	91	5126562	6.086	ppbv	99
71) 2-Chlorotoluene	15.50	91	4102857	6.587	ppbv	99
72) 4-Ethyltoluene	15.89	105	3976623	6.611	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	3729368	6.504	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	3757512	6.389	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	1969569	6.244	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1921592	6.166	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1864089	6.050	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1453327	5.898	ppbv	100
79) Naphthalene	22.25	128	2710283	7.883	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	864191	11.780	ppbv	96
81) 1,2,4-Trichlorobenzene	21.98	180	1444173	7.195	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.04 min

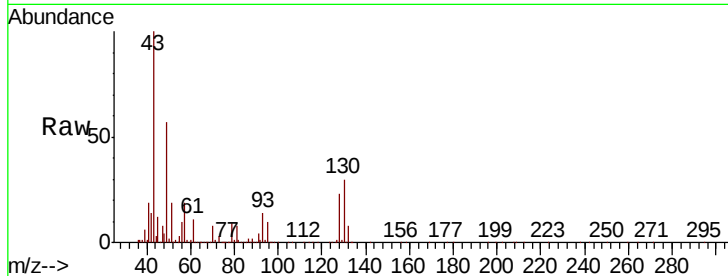
Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1633617

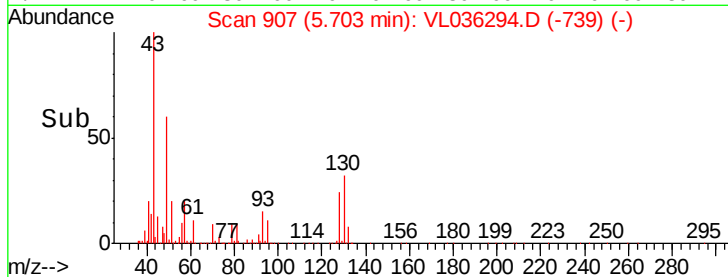
Ion	Ratio	Lower	Upper
49	100		
128	41.6	20.1	60.2
130	53.2	25.3	75.9



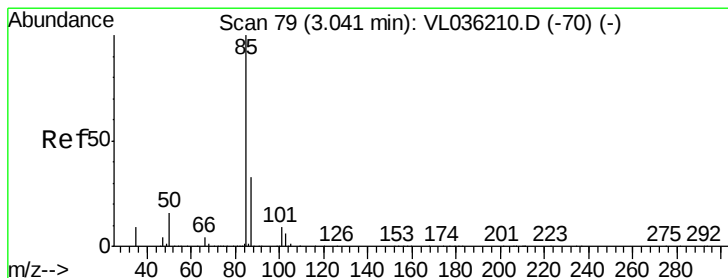
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 10.121 ppbv

RT: 3.07 min Scan# 88

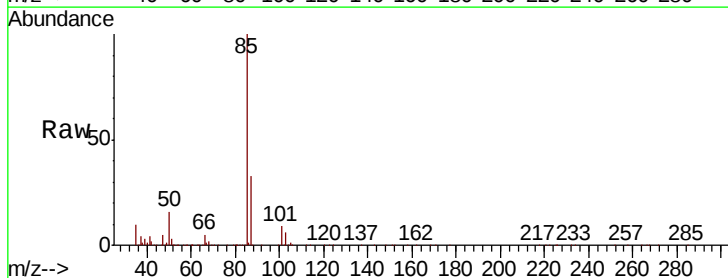
Delta R.T. 0.03 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

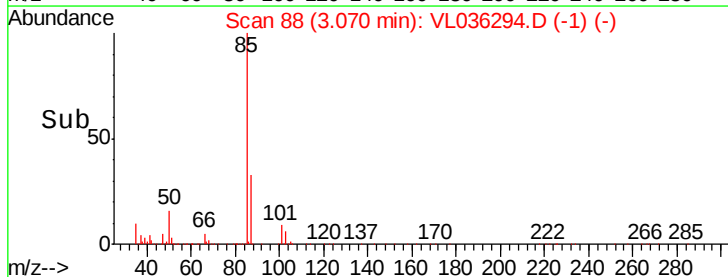
Tgt Ion: 85 Resp: 2216330

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.4	39.6

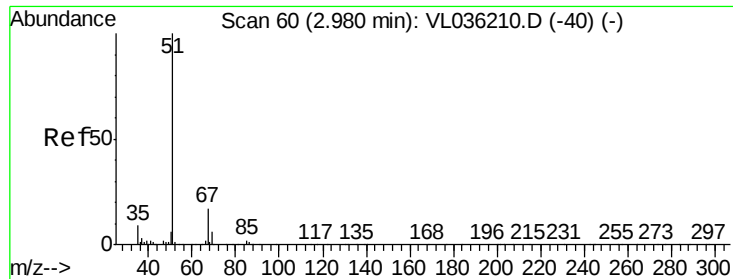


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



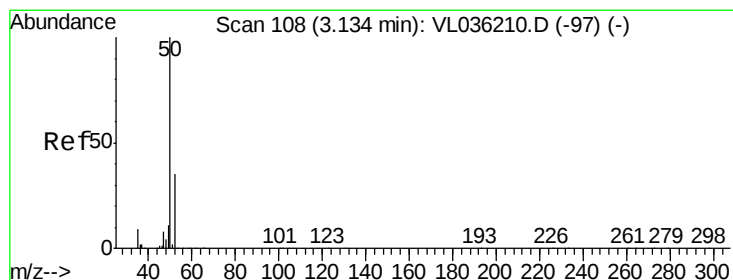
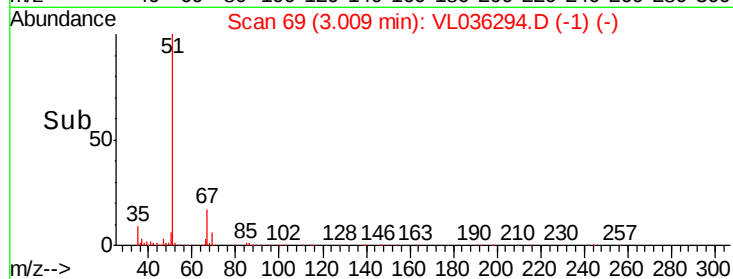
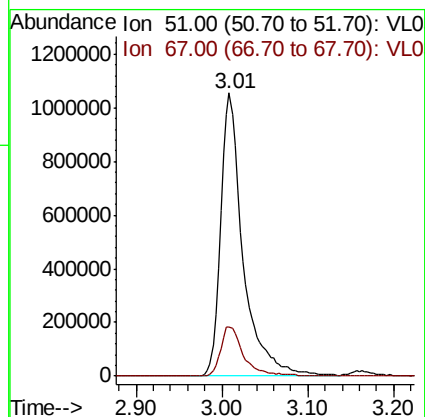
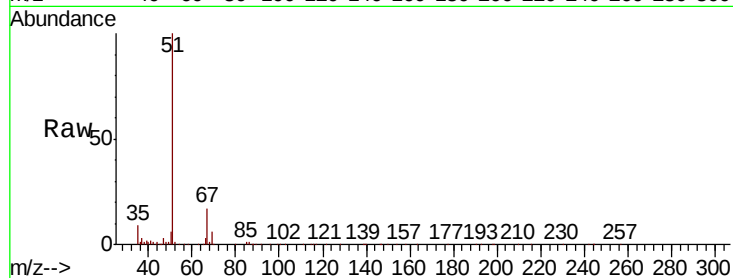
Time-->



#3
Chlorodifluoromethane
Concen: 9.514 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.03 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

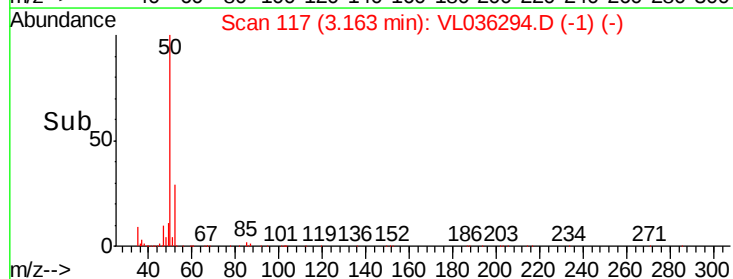
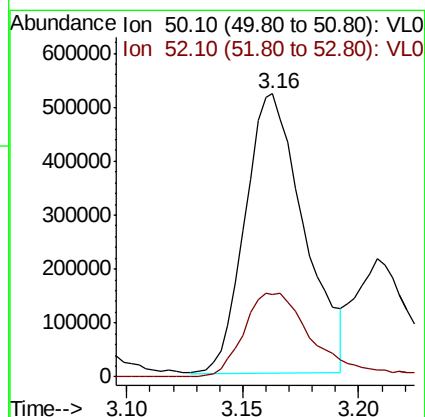
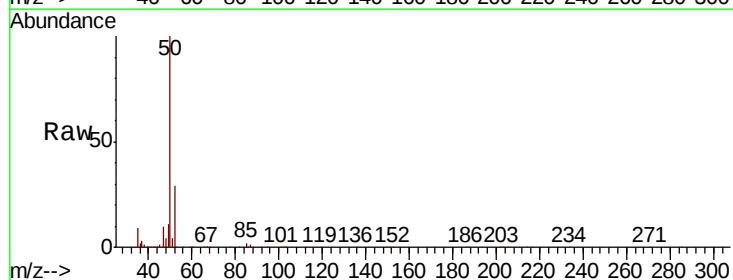
Instrument :
MSVOA_L
ClientSampled :

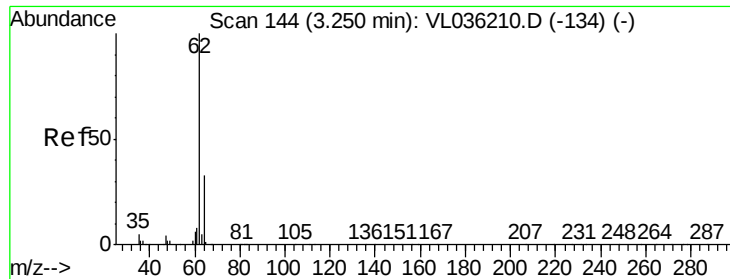
Tot Ion: 51 Resp: 1908797
Ion Ratio Lower Upper
51 100
67 18.4 14.0 21.0



#4
Chloromethane
Concen: 9.255 ppbv
RT: 3.16 min Scan# 117
Delta R.T. 0.03 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion: 50 Resp: 917732
Ion Ratio Lower Upper
50 100
52 29.3 27.8 41.8





#5

Vinyl Chloride

Concen: 9.574 ppbv

RT: 3.28 min Scan# 153

Delta R.T. 0.03 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

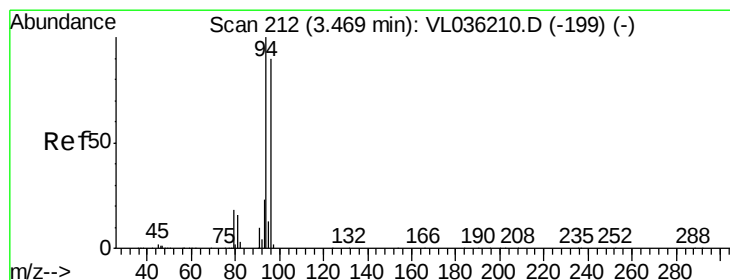
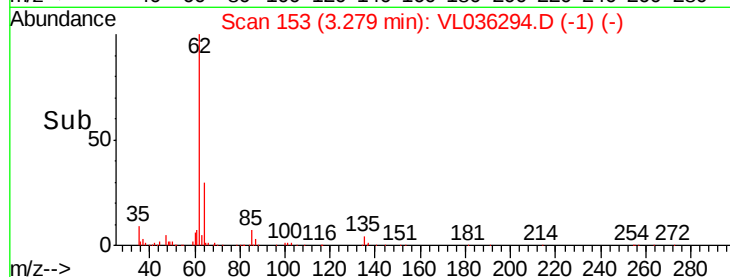
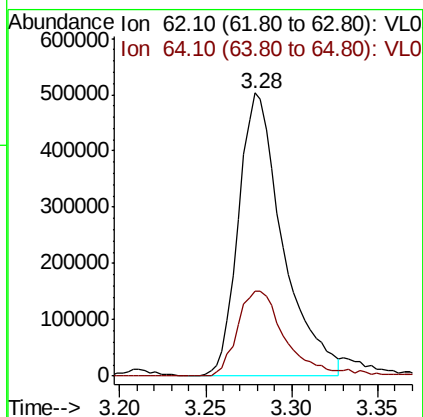
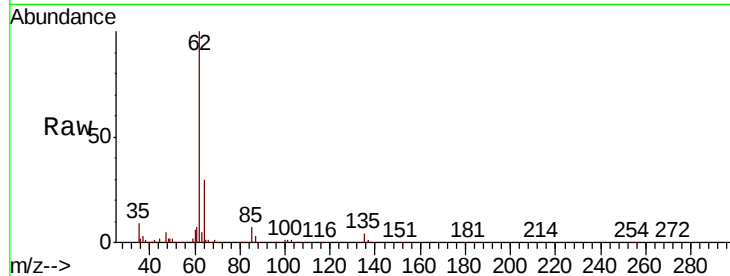
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 898356

Ion Ratio Lower Upper

62 100

64 29.9 26.2 39.2



#6

Bromomethane

Concen: 9.819 ppbv

RT: 3.50 min Scan# 221

Delta R.T. 0.03 min

Lab File: VL036294.D

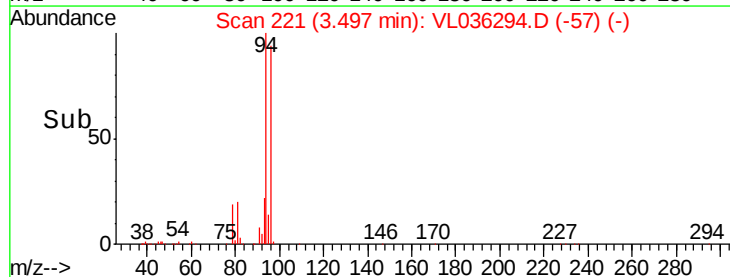
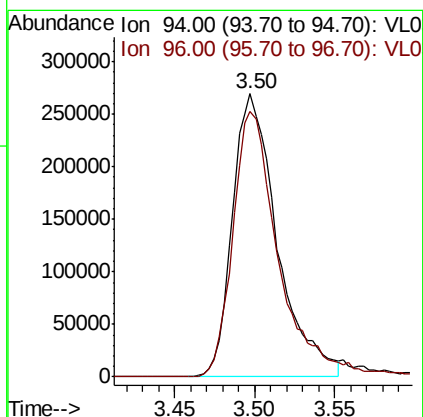
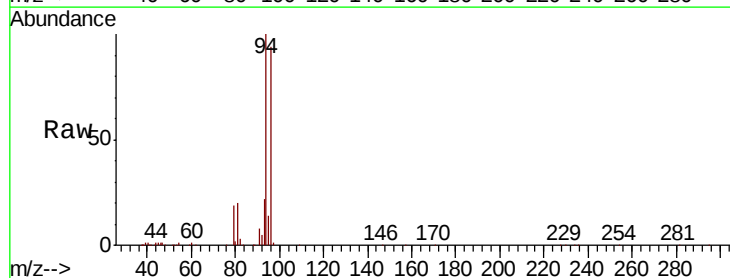
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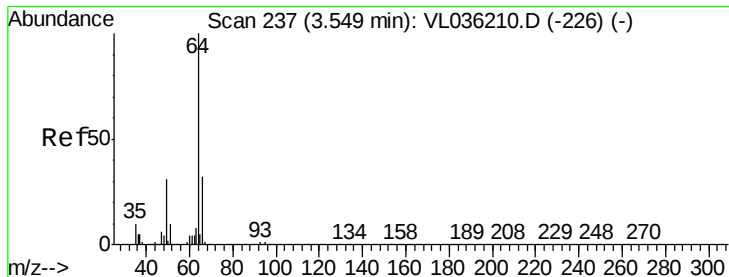
Tgt Ion: 94 Resp: 515115

Ion Ratio Lower Upper

94 100

96 93.8 71.9 107.9





#7

Chloroethane

Concen: 9.770 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.03 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

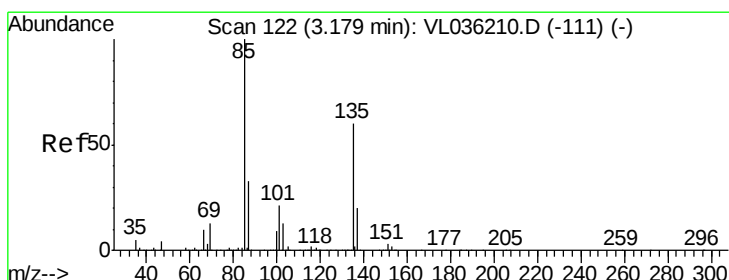
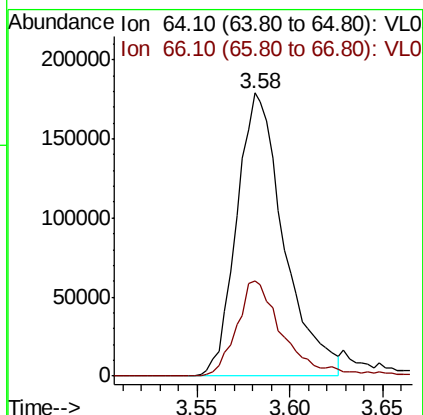
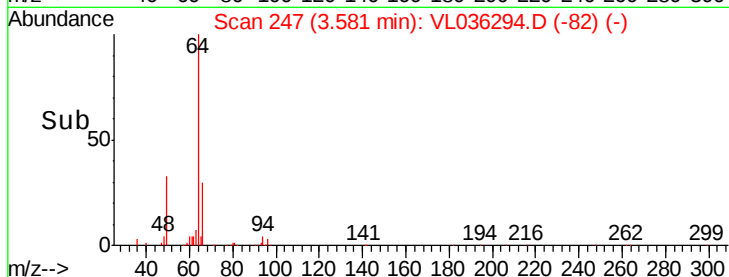
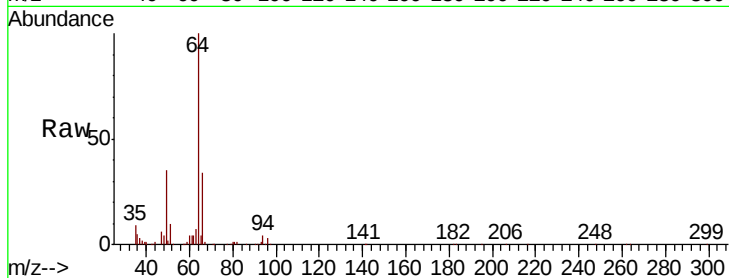
ClientSampleId :

Tot Ion: 64 Resp: 315692

Ion Ratio Lower Upper

64 100

66 33.6 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 9.870 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.03 min

Lab File: VL036294.D

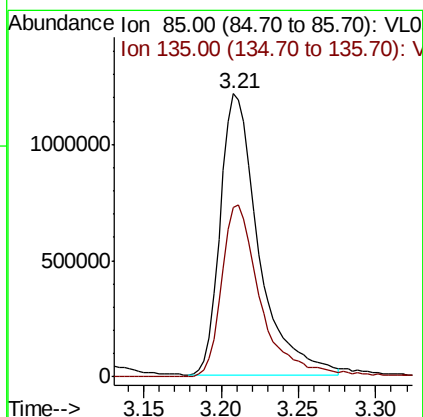
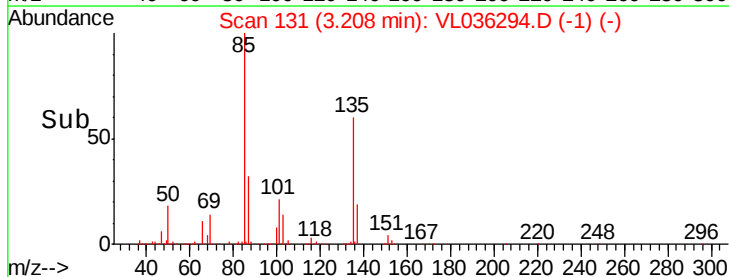
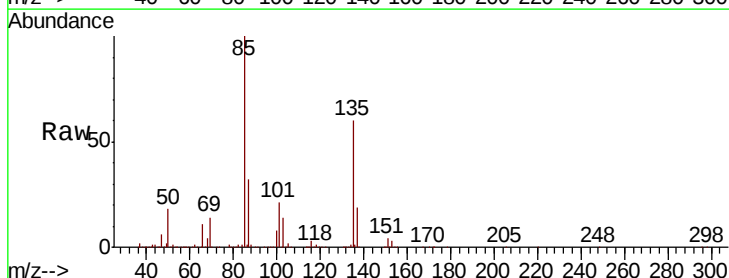
Acq: 3 Feb 2021 14:24

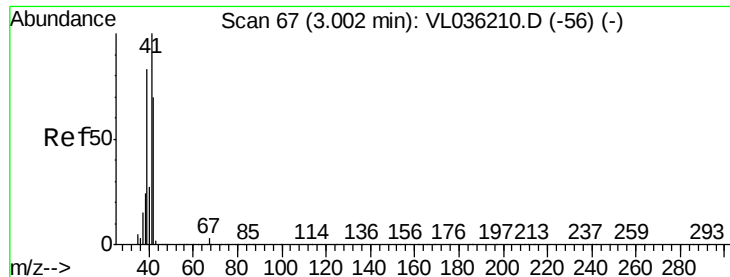
Tgt Ion: 85 Resp: 2093971

Ion Ratio Lower Upper

85 100

135 63.3 51.5 77.3

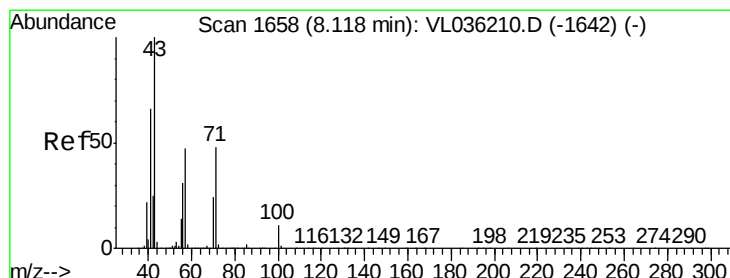
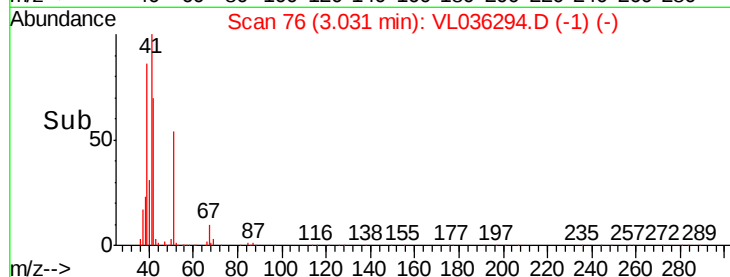
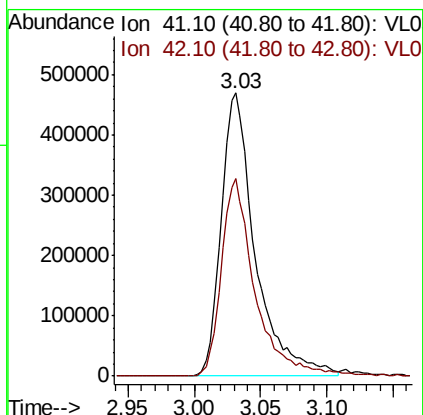
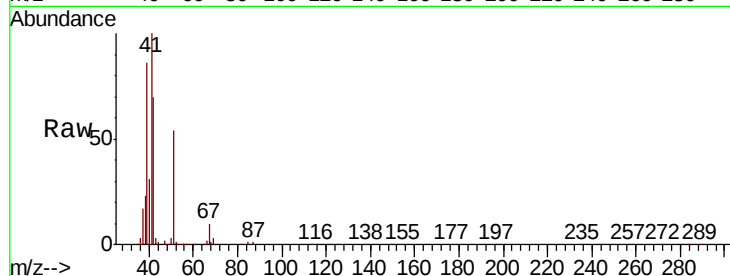




#9
 Propene
 Concen: 8.792 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. 0.03 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

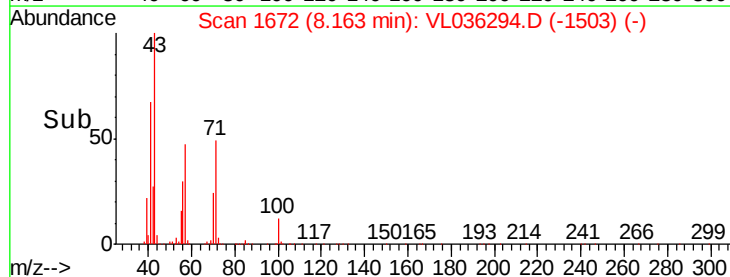
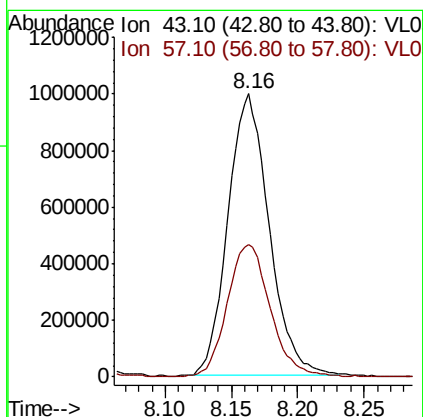
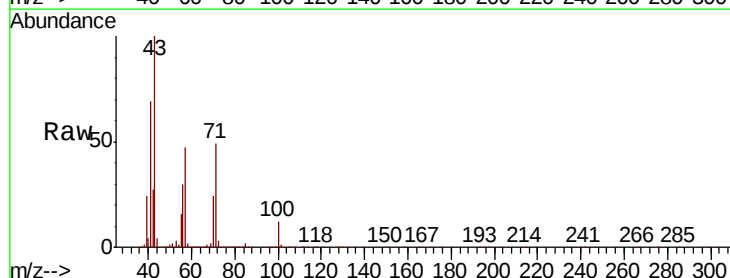
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 MSVOA_L
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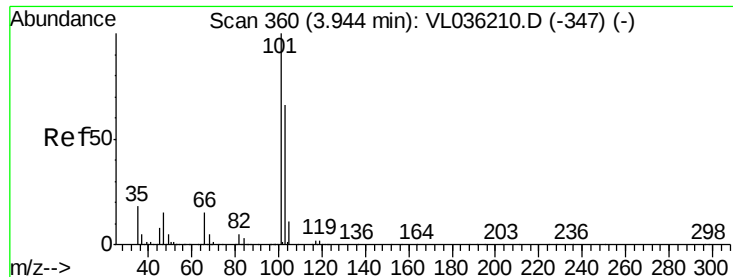
Tot Ion: 41 Resp: 839983
 Ion Ratio Lower Upper
 41 100
 42 69.2 57.1 85.7



#10
 Heptane
 Concen: 9.013 ppbv
 RT: 8.16 min Scan# 1672
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Tgt Ion: 43 Resp: 2137577
 Ion Ratio Lower Upper
 43 100
 57 49.3 38.1 57.1

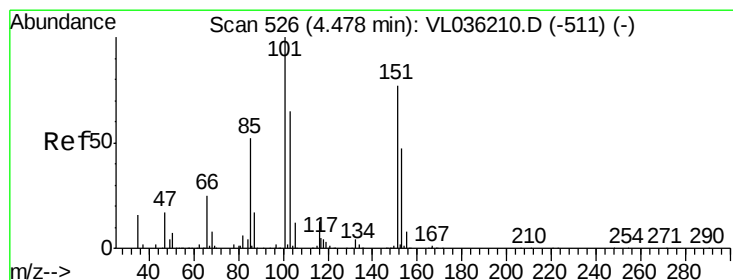
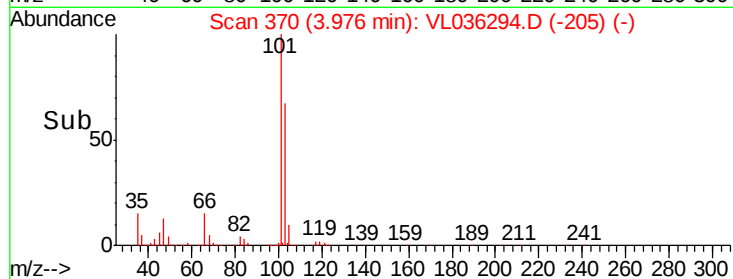
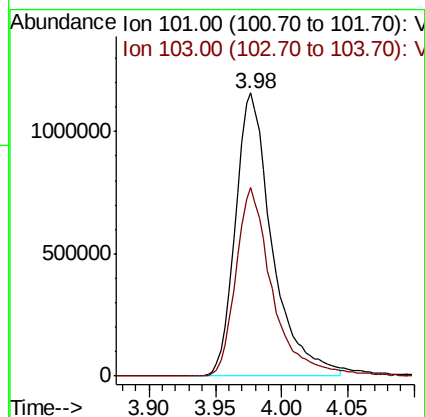
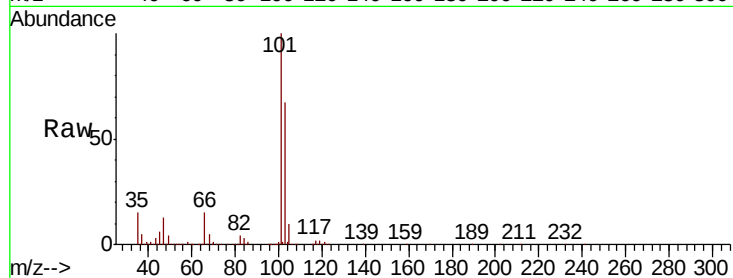




#11
 Trichlorofluoromethane
 Concen: 10.037 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.03 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

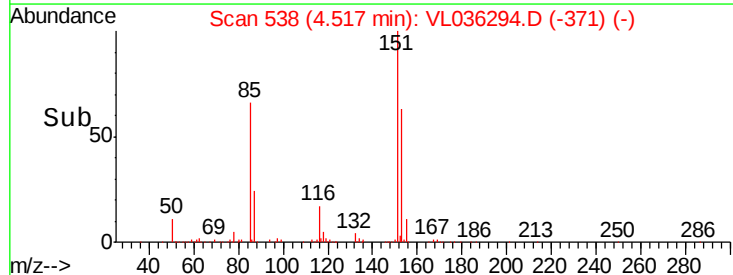
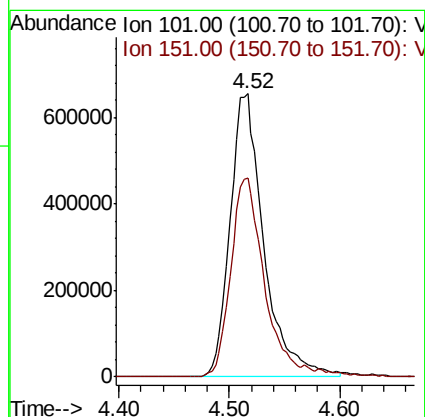
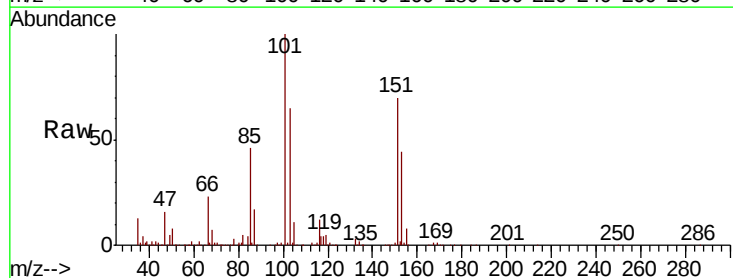
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 MSVOA_L
 ClientSampleId :

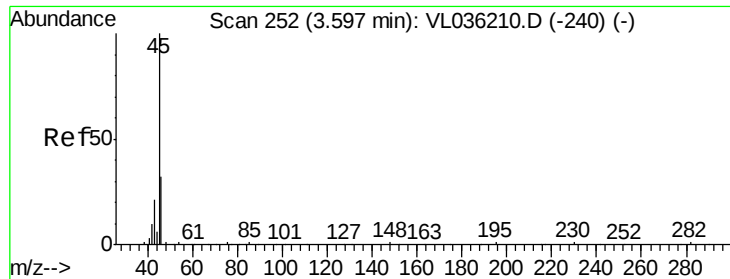
Tot Ion:101 Resp: 2234536
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.323 ppbv
 RT: 4.52 min Scan# 538
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Tgt Ion:101 Resp: 1393284
 Ion Ratio Lower Upper
 101 100
 151 71.2 59.8 89.6

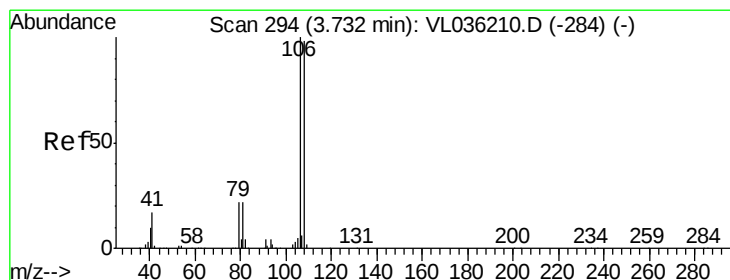
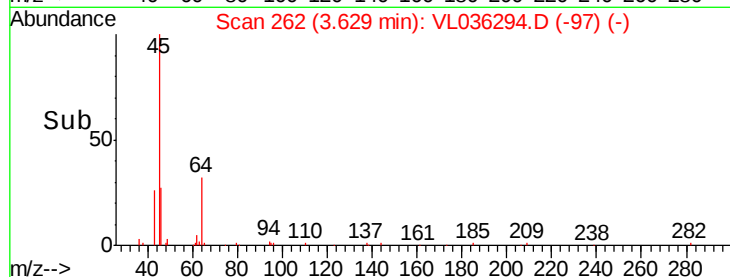
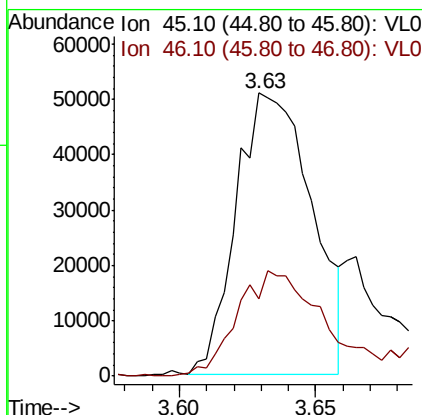
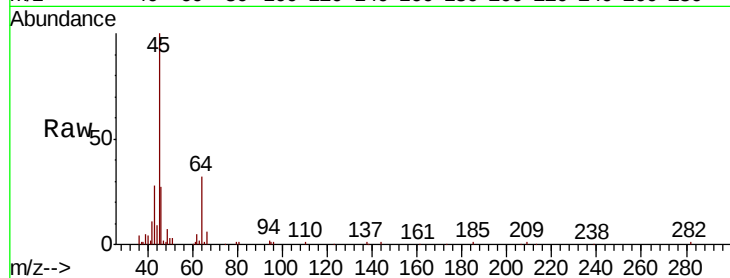




#13
Ethanol
Concen: 6.526 ppbv
RT: 3.63 min Scan# 262
Delta R.T. 0.03 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

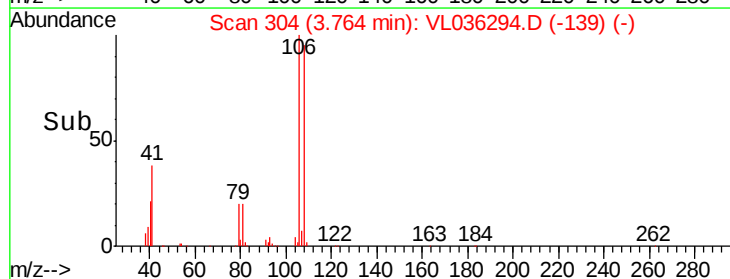
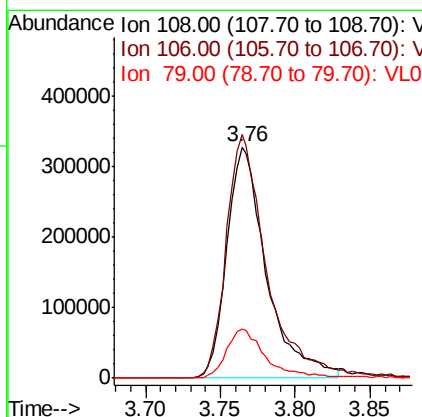
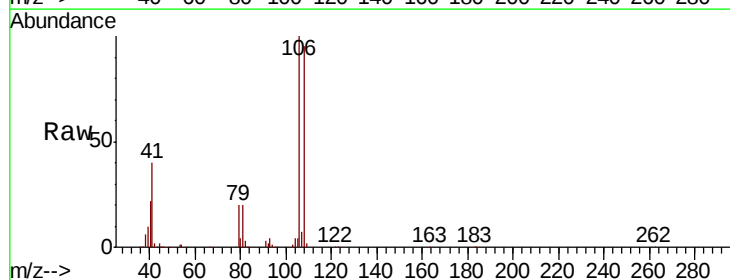
Instrument :
MSVOA_L
ClientSampled :

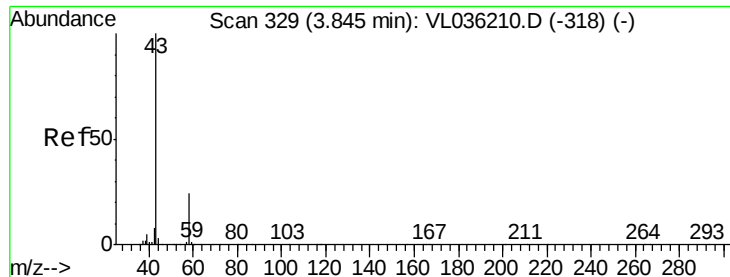
Tot Ion: 45 Resp: 97897
Ion Ratio Lower Upper
45 100
46 52.5 19.2 77.0



#14
Bromoethene
Concen: 9.870 ppbv
RT: 3.76 min Scan# 304
Delta R.T. 0.03 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion: 108 Resp: 606624
Ion Ratio Lower Upper
108 100
106 109.1 91.4 137.2
79 21.9 18.3 27.5





#15

Acetone

Concen: 8.674 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.03 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

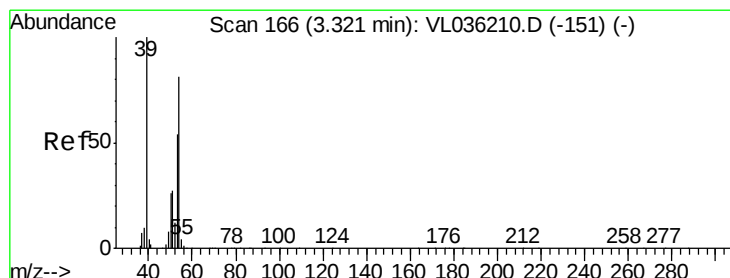
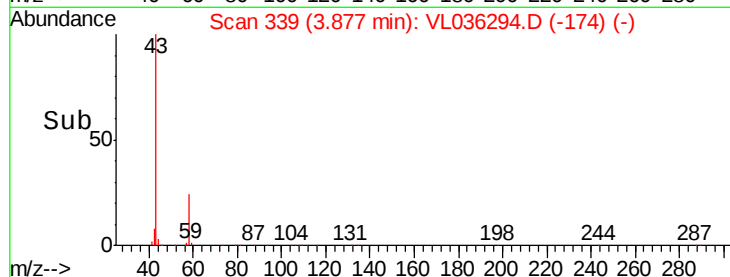
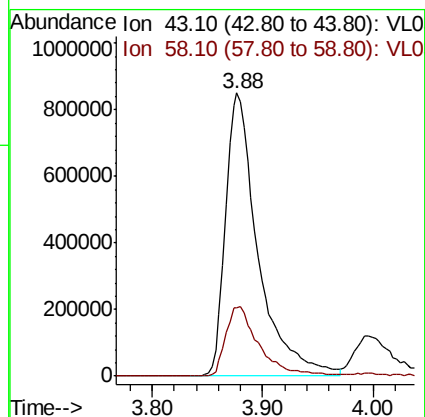
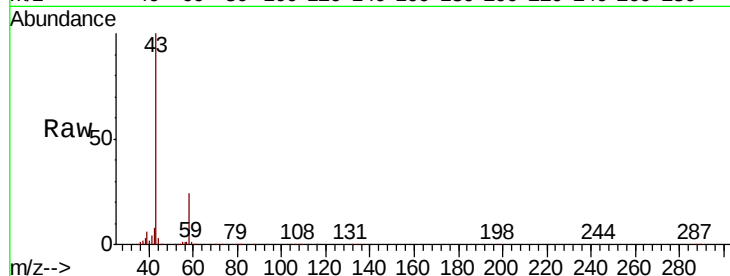
ClientSampleId :

Tot Ion: 43 Resp: 1735523

Ion Ratio Lower Upper

43 100

58 25.2 20.9 31.3



#16

1,3-Butadiene

Concen: 9.156 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.03 min

Lab File: VL036294.D

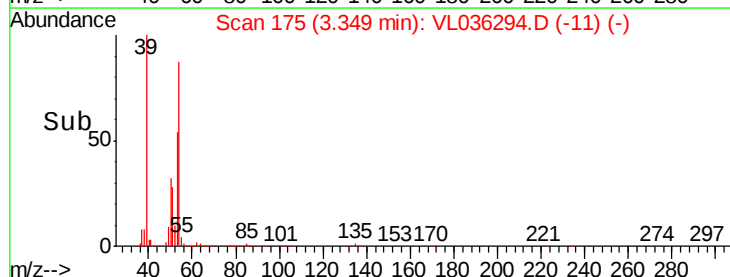
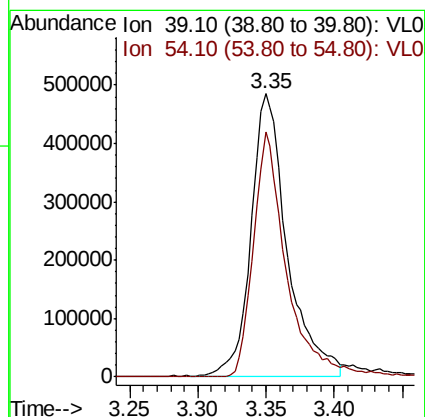
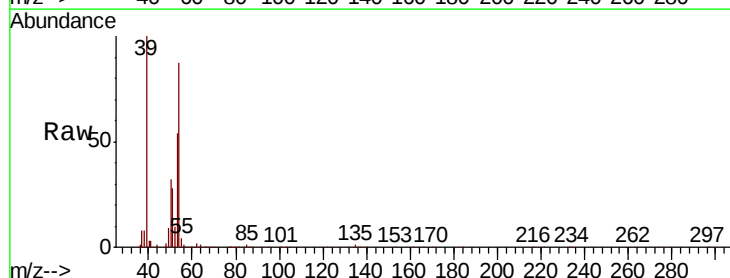
Acq: 3 Feb 2021 14:24

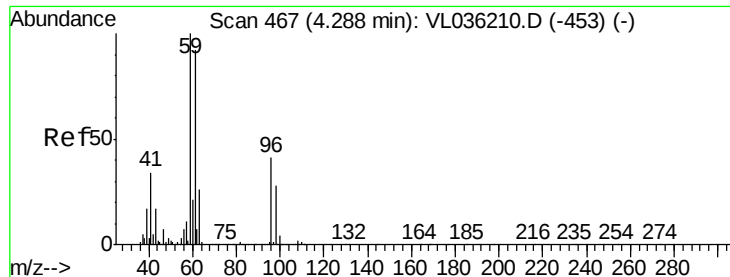
Tgt Ion: 39 Resp: 892428

Ion Ratio Lower Upper

39 100

54 80.5 62.5 93.7



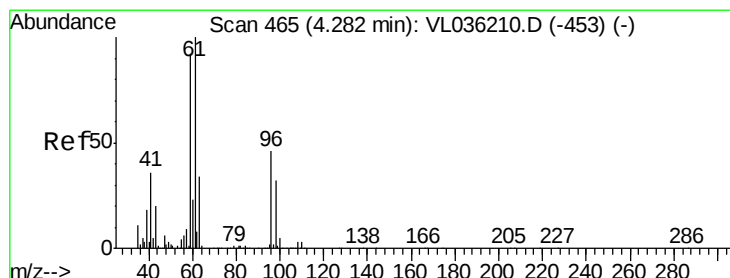
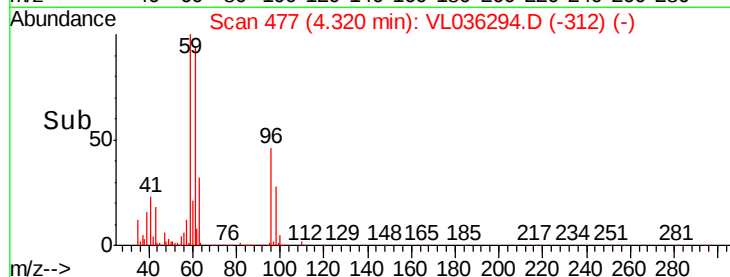
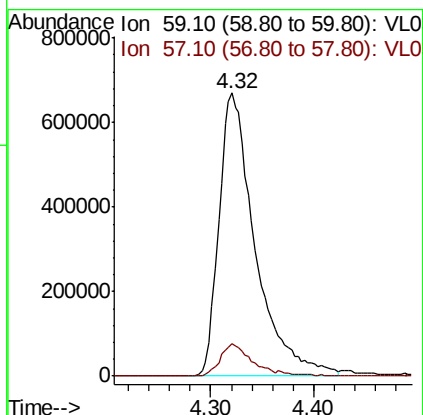
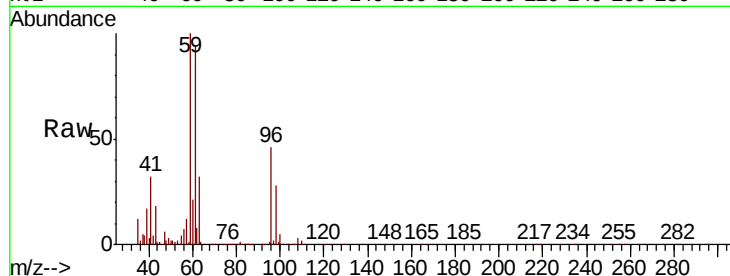


#17

tert-Butyl alcohol
Concen: 9.934 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Instrument :
MSVOA_L
ClientSampleId :

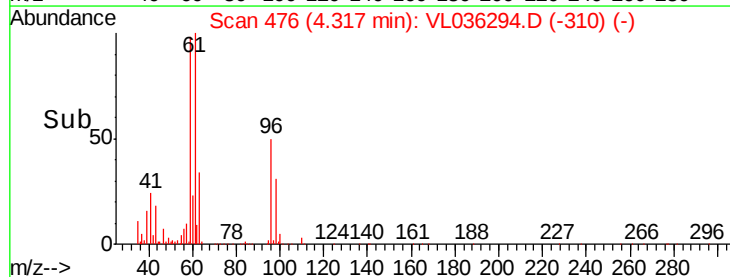
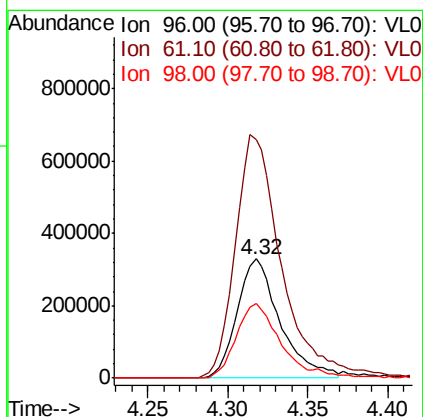
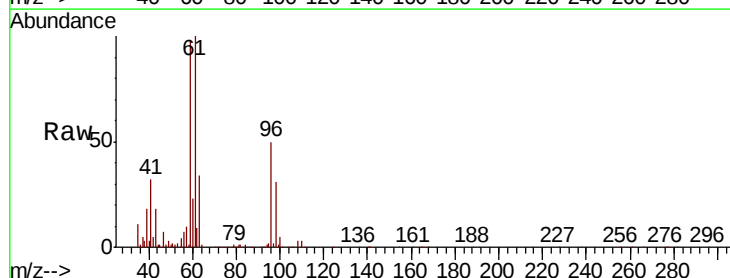
Tot Ion: 59 Resp: 1640056
Ion Ratio Lower Upper
59 100
57 10.6 9.2 13.8

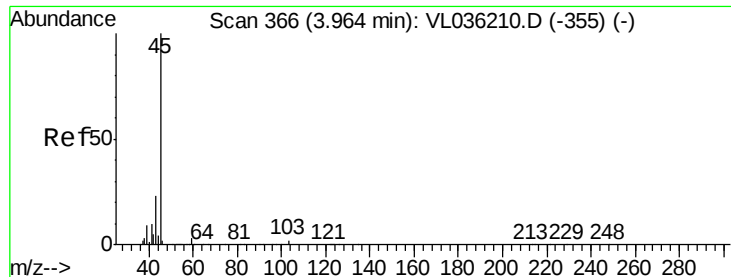


#18

1,1-Dichloroethene
Concen: 9.631 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion: 96 Resp: 602627
Ion Ratio Lower Upper
96 100
61 200.9 173.4 260.0
98 62.6 54.9 82.3





#19

Isopropyl Alcohol

Concen: 8.461 ppbv

RT: 4.00 min Scan# 376

Delta R.T. 0.03 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

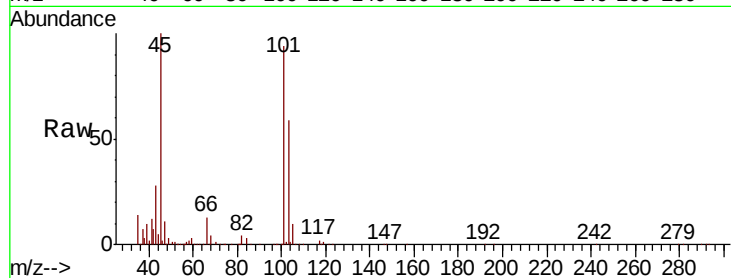
ClientSampleId :

Tot Ion: 45 Resp: 1020597

Ion Ratio Lower Upper

45 100

58 2.5 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.00

500000

400000

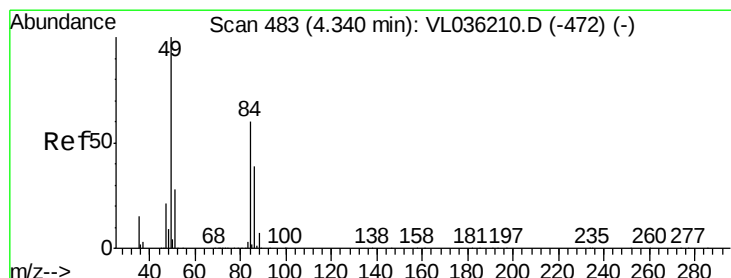
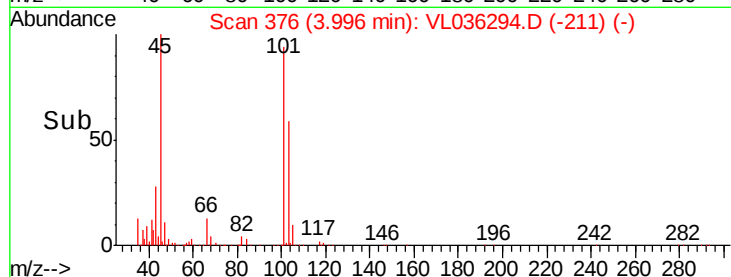
300000

200000

100000

0

Time--> 3.90 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 8.522 ppbv

RT: 4.37 min Scan# 493

Delta R.T. 0.03 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Tgt Ion: 84 Resp: 544203

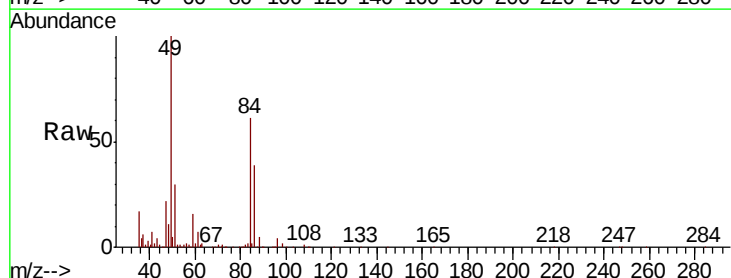
Ion Ratio Lower Upper

84 100

49 160.9 134.1 201.1

51 46.0 37.4 56.0

86 64.2 52.6 78.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

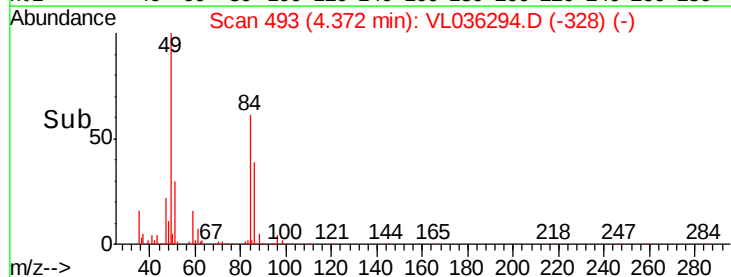
600000

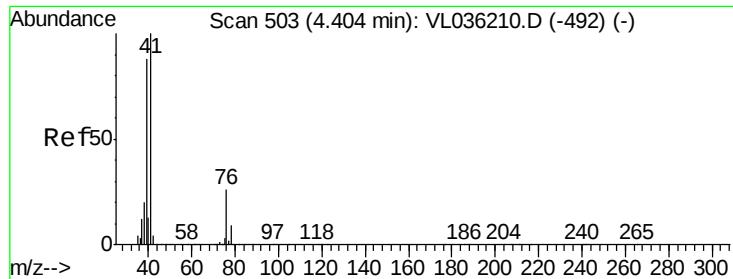
400000

200000

0

Time--> 4.30 4.35 4.40 4.45

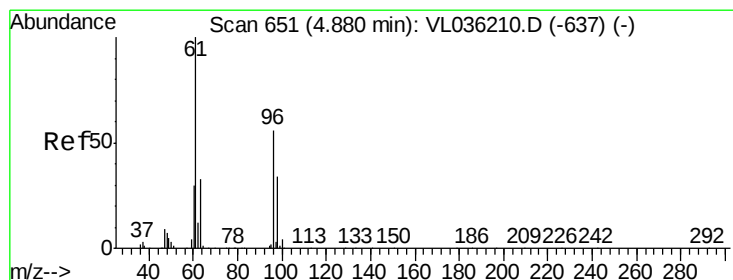
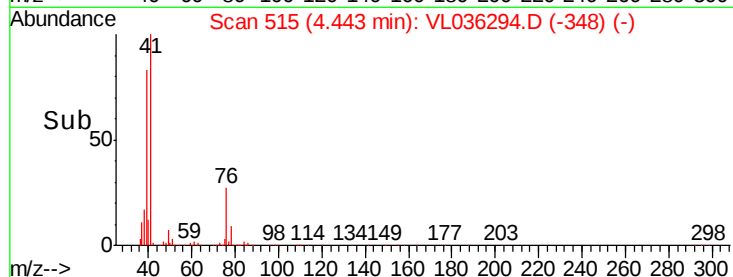
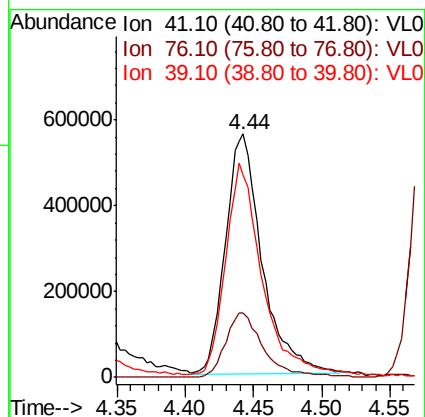
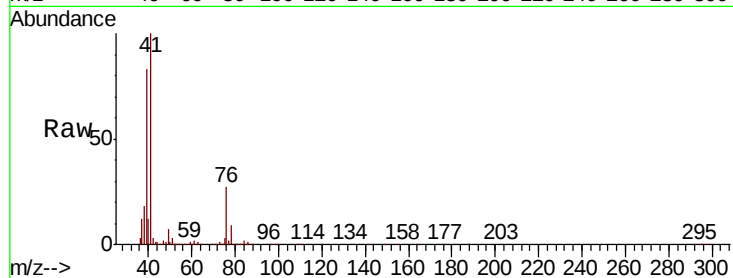




#21
Allvl Chloride
Concen: 9.631 ppbv
RT: 4.44 min Scan# 515
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

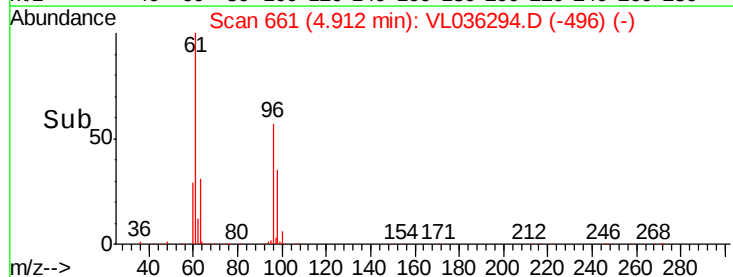
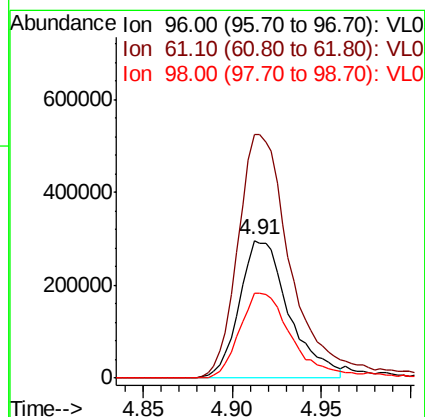
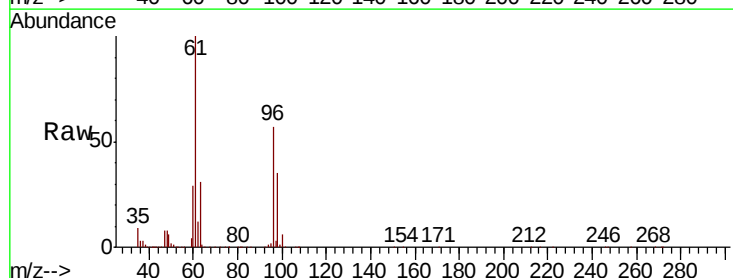
Instrument :
MSVOA_L
ClientSampleId :

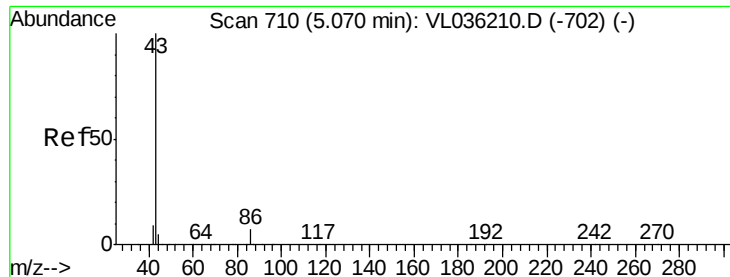
Tot Ion: 41 Resp: 1048888
Ion Ratio Lower Upper
41 100
76 27.8 20.5 30.7
39 88.7 67.8 101.8



#22
trans-1,2-Dichloroethene
Concen: 9.894 ppbv
RT: 4.91 min Scan# 661
Delta R.T. 0.03 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion: 96 Resp: 572012
Ion Ratio Lower Upper
96 100
61 176.3 142.7 214.1
98 61.2 48.7 73.1





#23

Vinyl Acetate

Concen: 9.899 ppbv

RT: 5.11 min Scan# 721

Delta R.T. 0.04 min

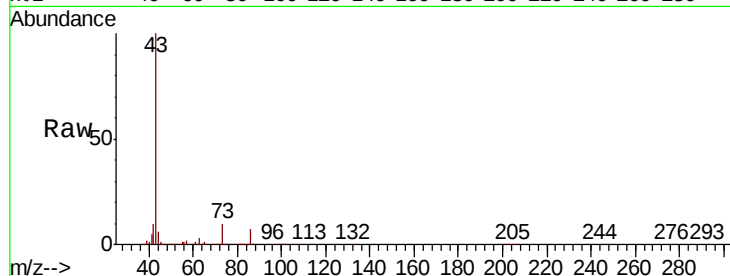
Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2399832

Ion	Ratio	Lower	Upper
43	100		
86	6.5	4.9	7.3
42	10.0	7.8	11.6
44	5.4	3.7	5.5

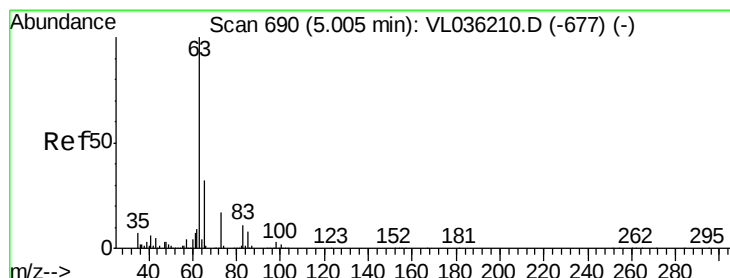
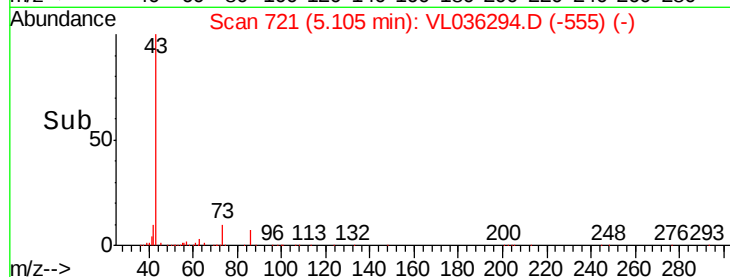
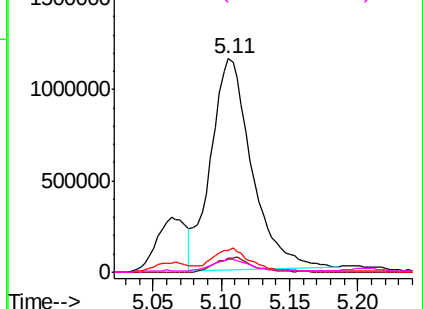


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.950 ppbv

RT: 5.04 min Scan# 702

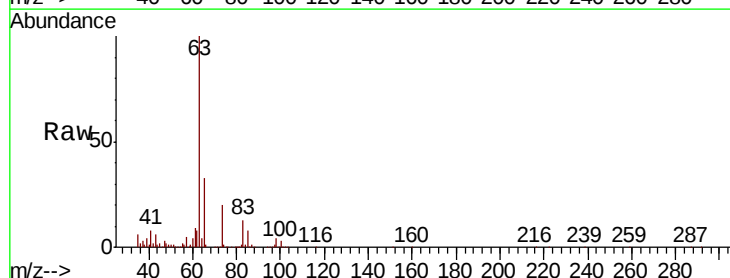
Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Tgt Ion: 63 Resp: 1747417

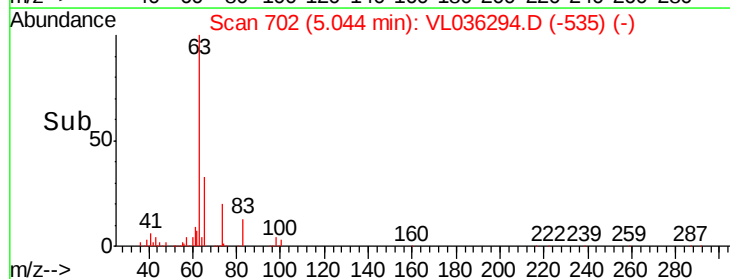
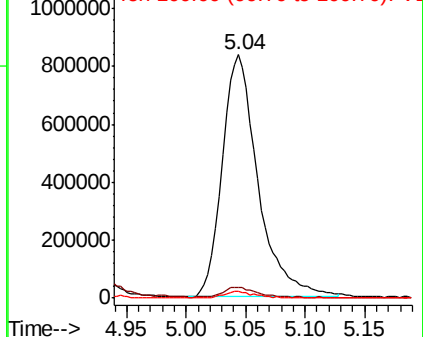
Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.7	5.1
100	2.7	1.1	3.1

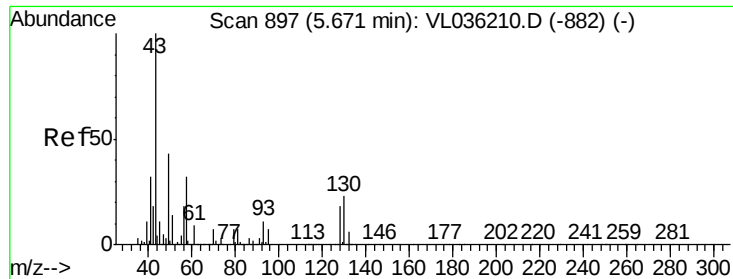


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



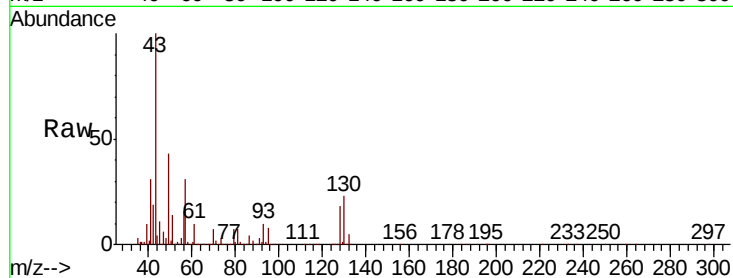


#25
Ethyl Acetate
Concen: 9.117 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3661970

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.3	12.5
61	9.7	7.4	11.2
70	6.9	5.5	8.3



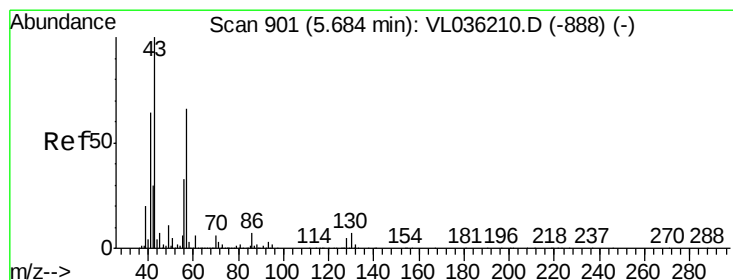
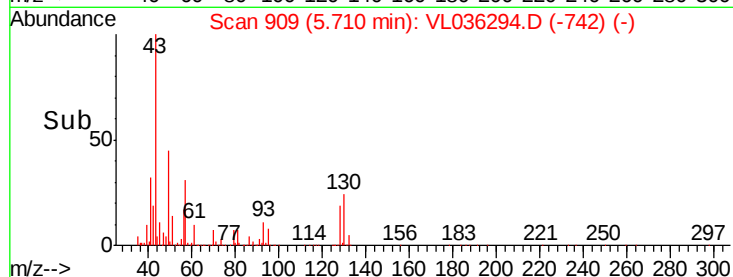
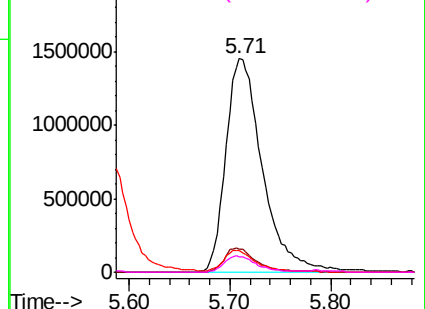
Abundance

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

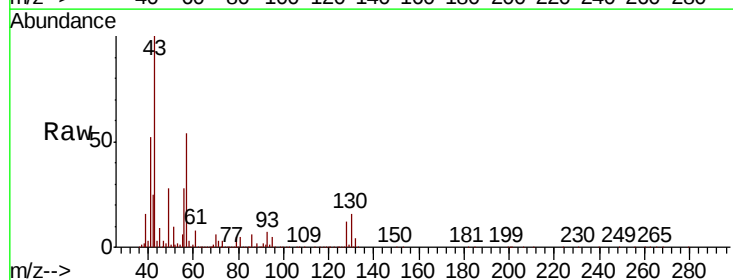
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.922 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion: 57 Resp: 1492113

Ion	Ratio	Lower	Upper
57	100		
41	100.7	83.0	124.6
43	247.7	202.4	303.6
56	53.8	43.4	65.0



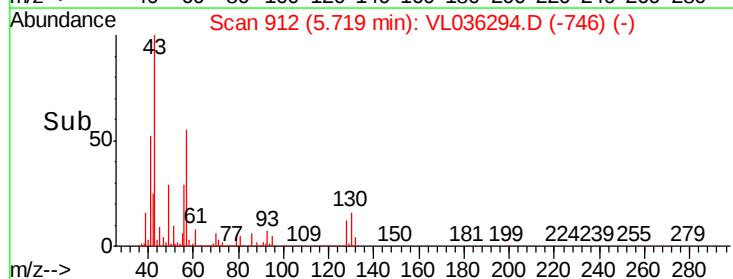
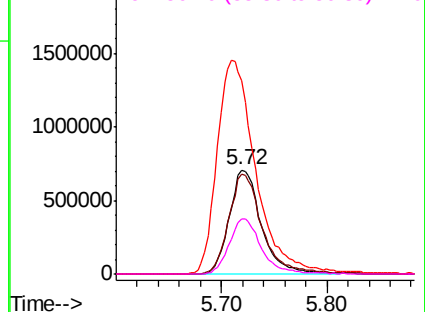
Abundance

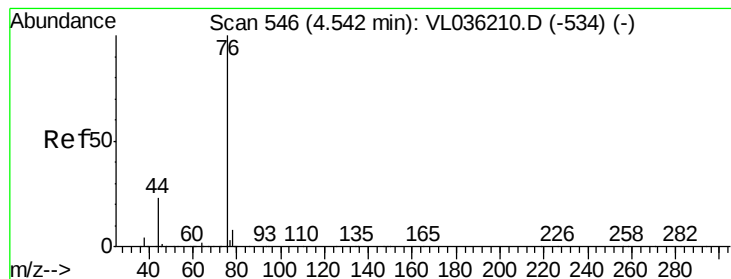
Ion 57.10 (56.80 to 57.80): VL0

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: 11.806 ppbv

RT: 4.58 min Scan# 558

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

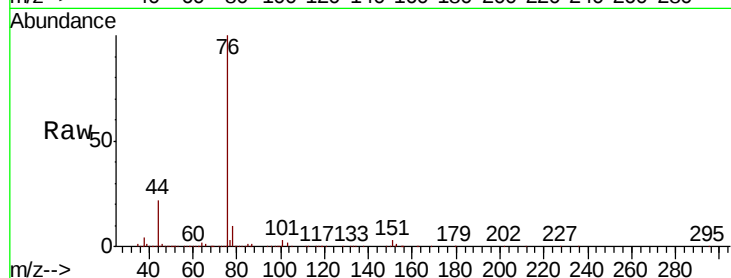
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1578787

Ion	Ratio	Lower	Upper
76	100		
44	22.4	19.0	28.6
78	9.6	8.0	12.0

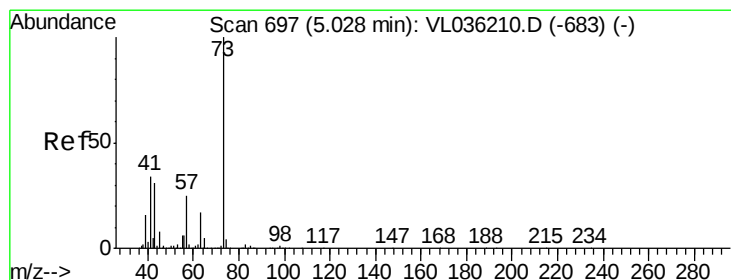
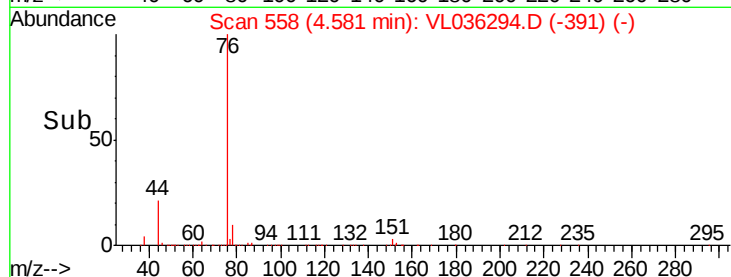
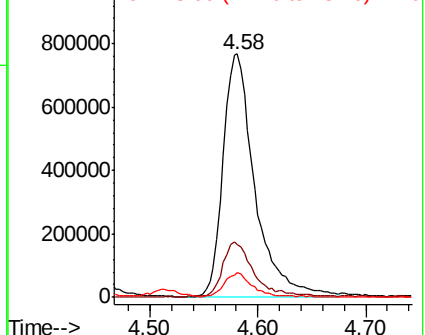


Abundance

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: 9.664 ppbv

RT: 5.07 min Scan# 709

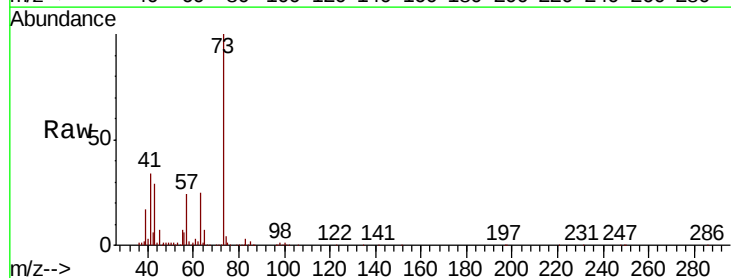
Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Tgt Ion: 73 Resp: 2185672

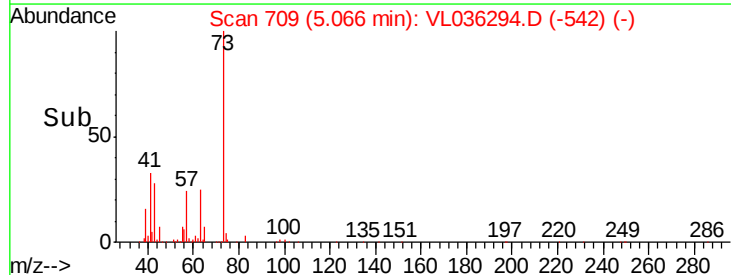
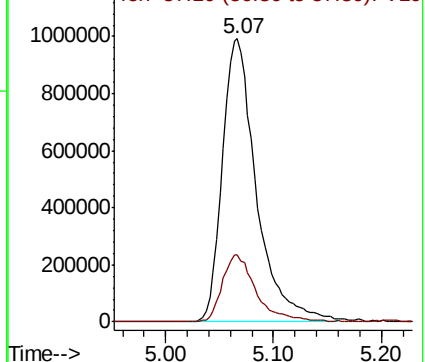
Ion	Ratio	Lower	Upper
73	100		
57	23.8	20.4	30.6

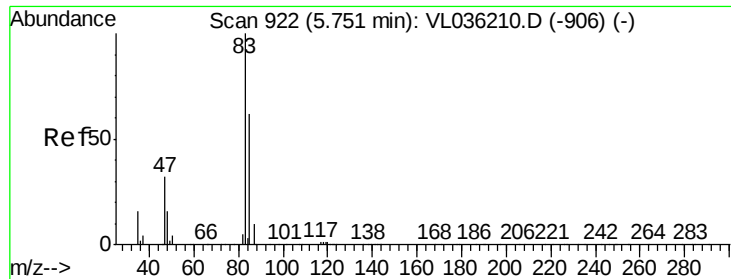


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.945 ppbv

RT: 5.79 min Scan# 933

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

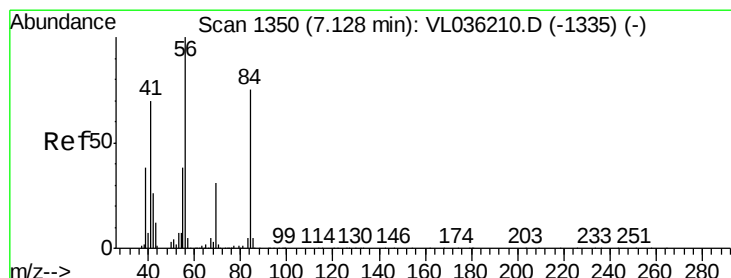
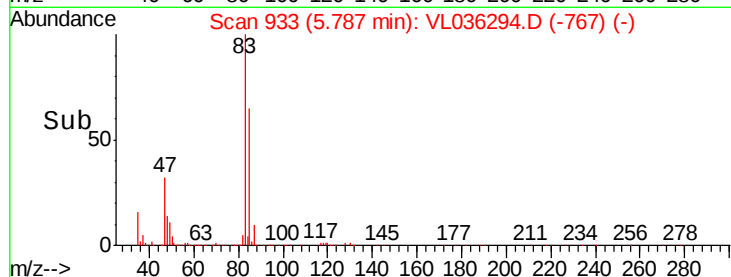
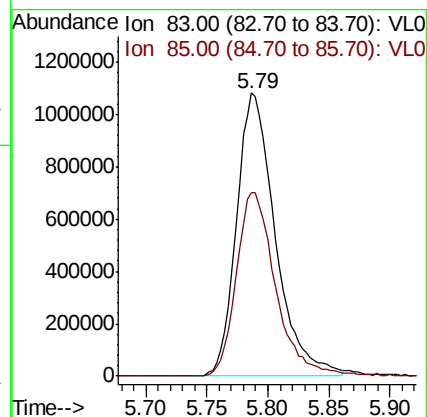
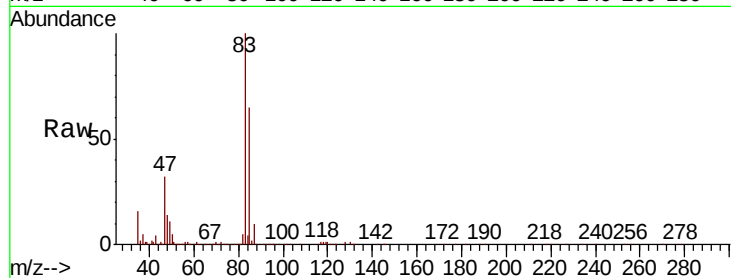
ClientSampleId :

Tot Ion: 83 Resp: 2381223

Ion Ratio Lower Upper

83 100

85 64.8 49.3 73.9



#30

Cyclohexane

Concen: 9.723 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

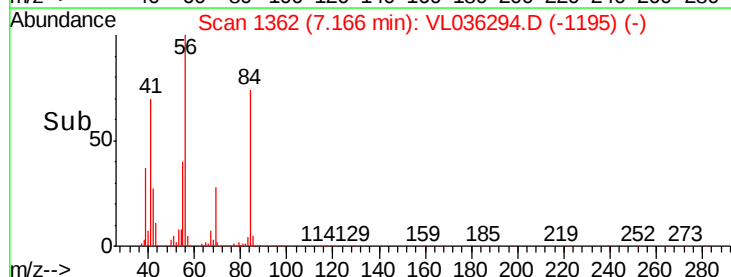
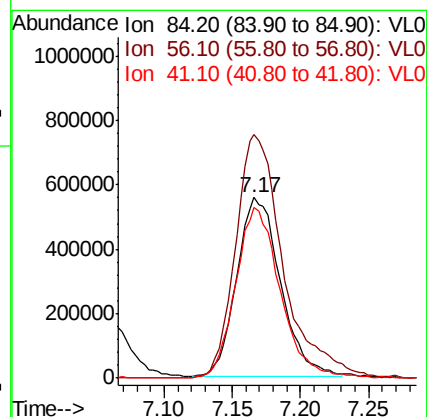
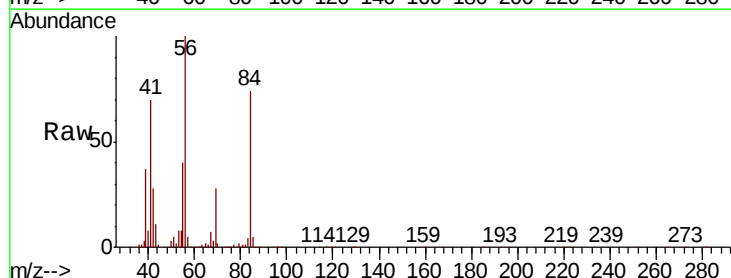
Tgt Ion: 84 Resp: 1242621

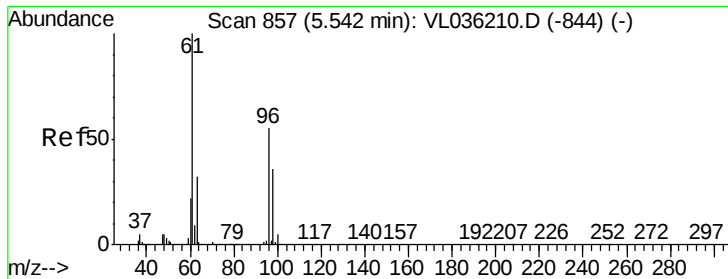
Ion Ratio Lower Upper

84 100

56 149.2 119.4 179.0

41 97.0 79.4 119.0



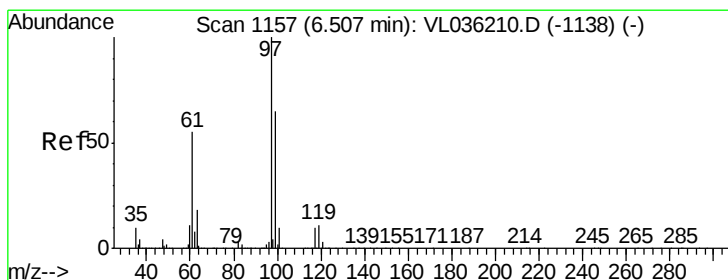
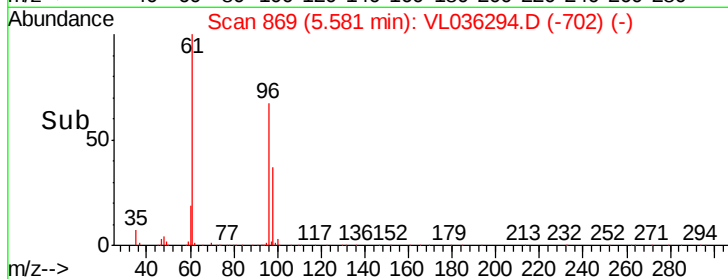
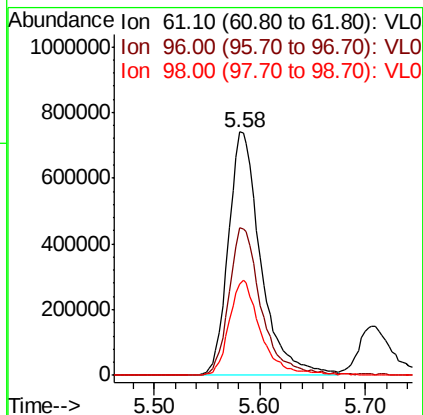
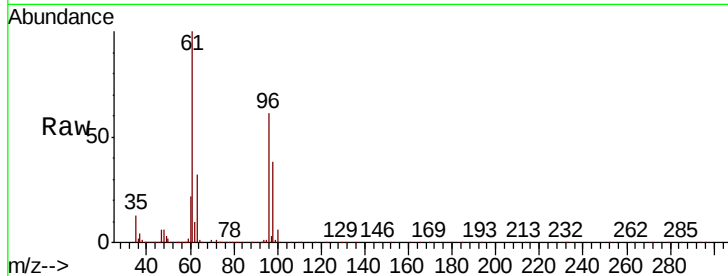


#31
 cis-1,2-Dichloroethene
 Concen: 9.868 ppbv
 RT: 5.58 min Scan# 869
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1577384

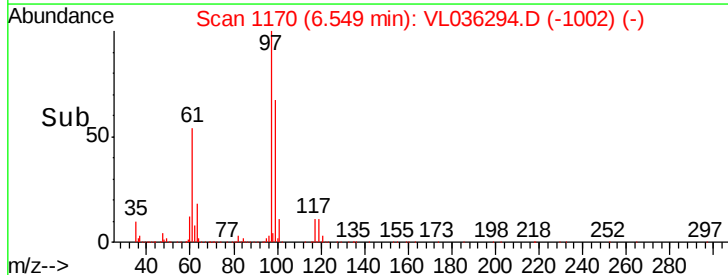
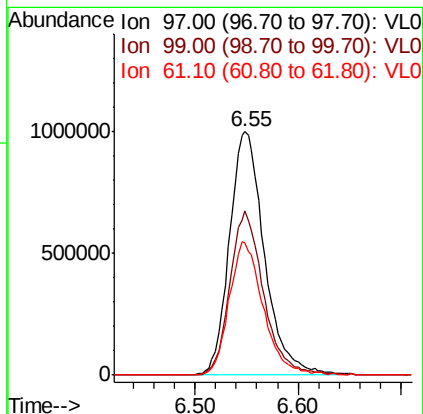
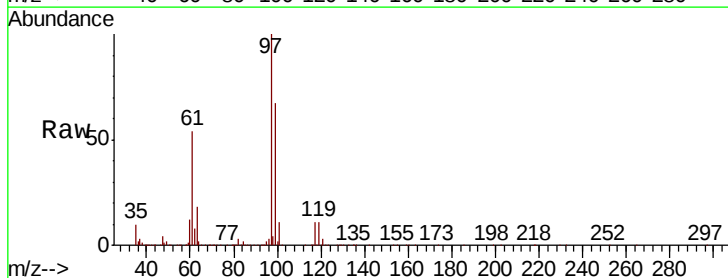
Ion	Ratio	Lower	Upper
61	100		
96	60.7	44.1	66.1
98	37.7	28.6	42.8

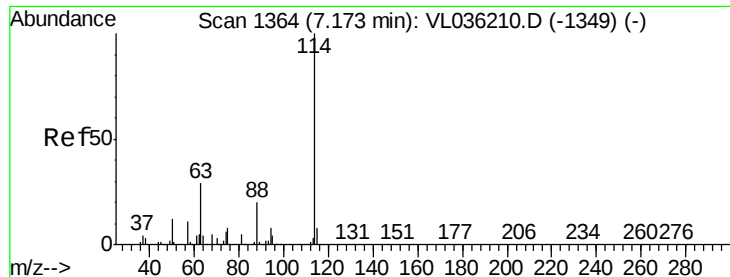


#32
 1,1,1-Trichloroethane
 Concen: 10.223 ppbv
 RT: 6.55 min Scan# 1170
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Tgt Ion: 97 Resp: 2367535

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.0	78.0
61	53.6	43.6	65.4

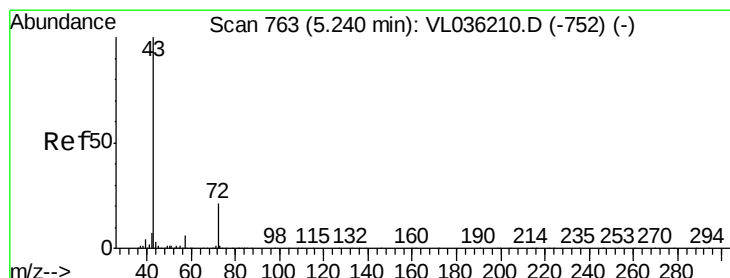
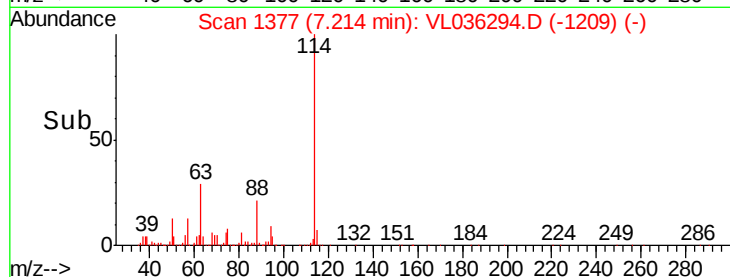
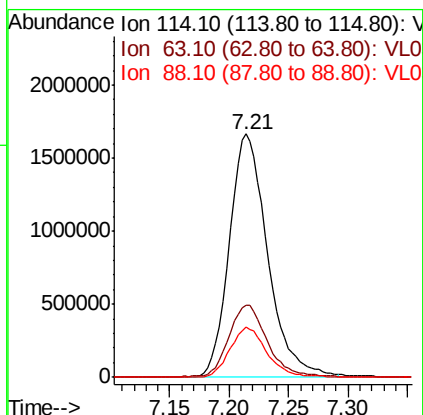
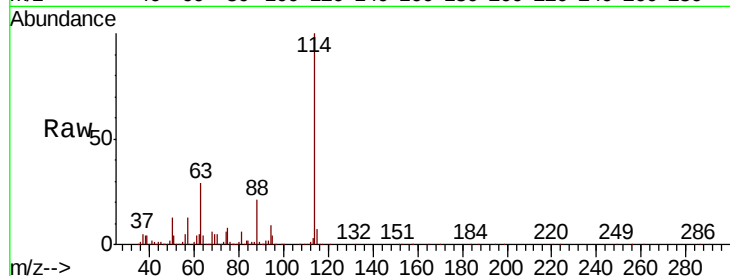




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

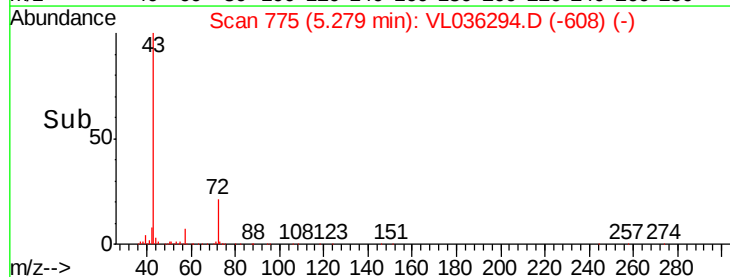
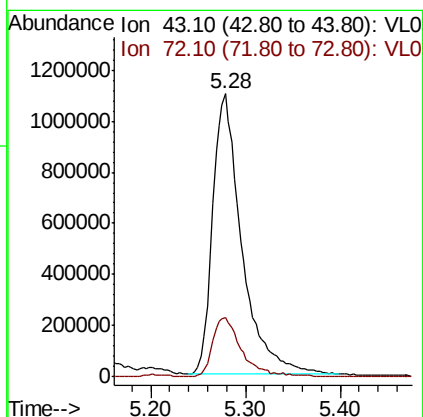
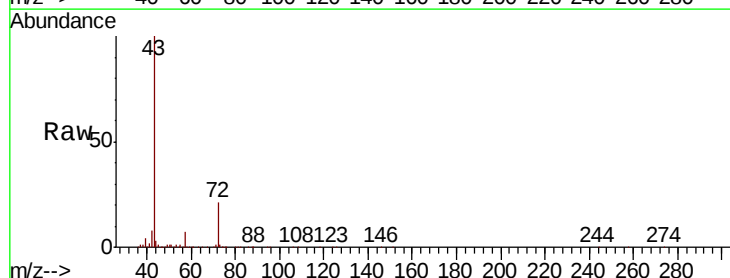
Instrument :
 MSVOA_L
 ClientSampleId :

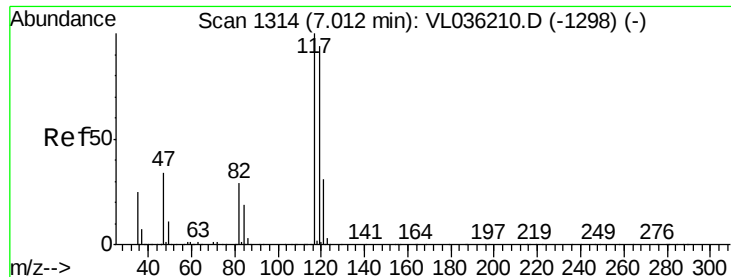
Tot Ion:114 Resp: 3714873
 Ion Ratio Lower Upper
 114 100
 63 30.5 24.7 37.1
 88 20.2 16.6 24.8



#34
 2-Butanone
 Concen: 8.600 ppbv
 RT: 5.28 min Scan# 775
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Tgt Ion: 43 Resp: 2352799
 Ion Ratio Lower Upper
 43 100
 72 21.4 16.1 24.1





#35

Carbon Tetrachloride

Concen: 10.121 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

ClientSampled :

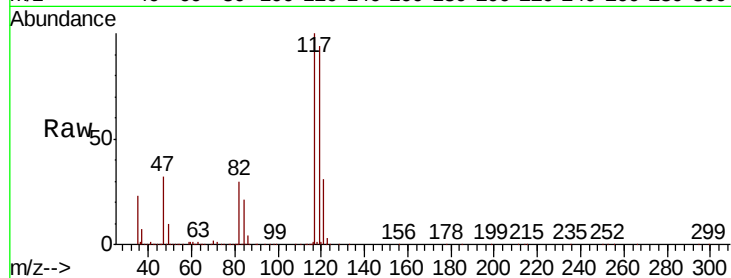
Tot Ion:117 Resp: 2375595

Ion Ratio Lower Upper

117 100

119 94.2 74.9 112.3

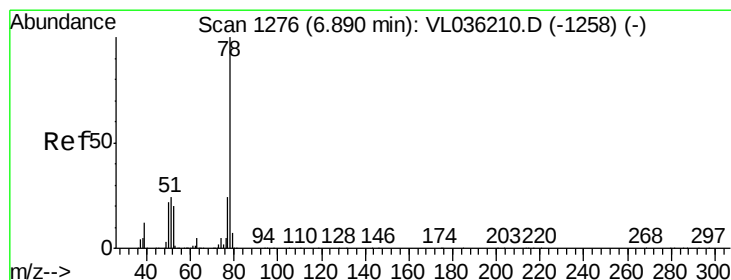
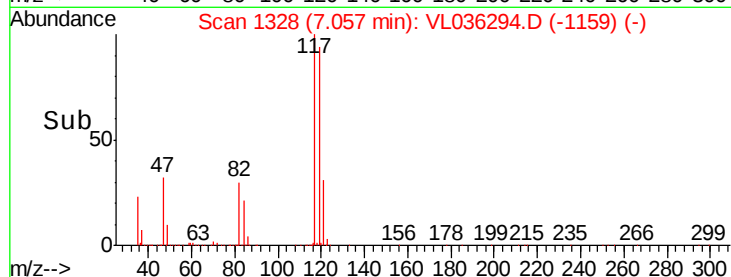
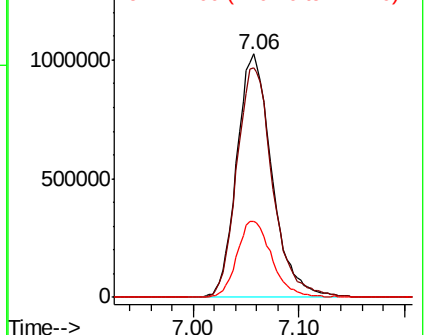
121 31.3 25.0 37.6



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: 9.097 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

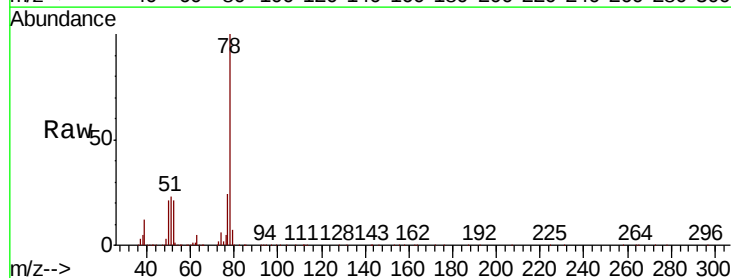
Tgt Ion: 78 Resp: 3096378

Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.0

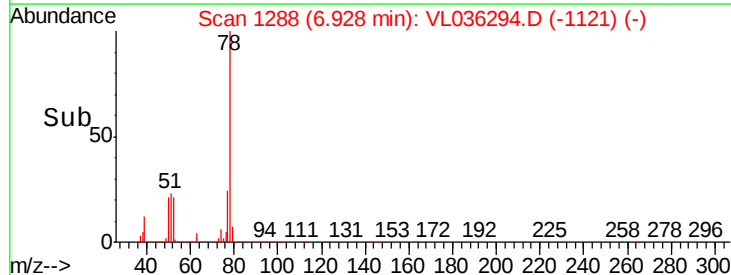
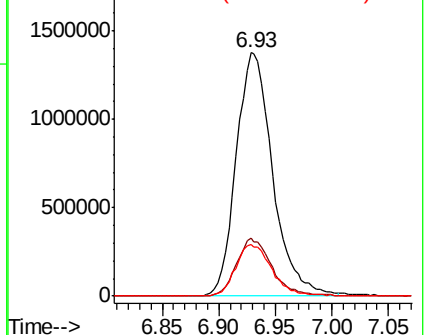
50 21.3 17.4 26.2

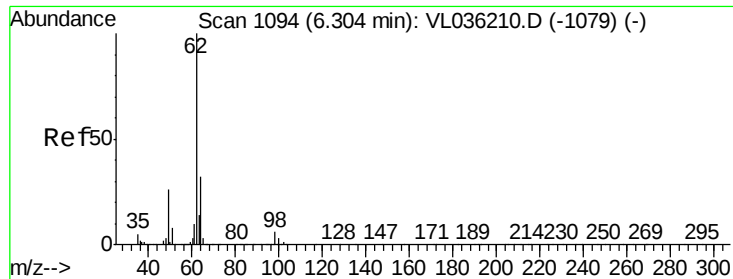


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

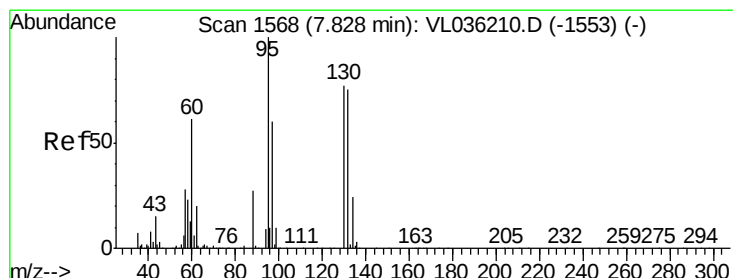
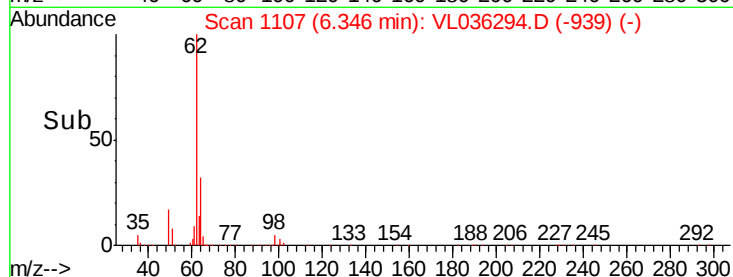
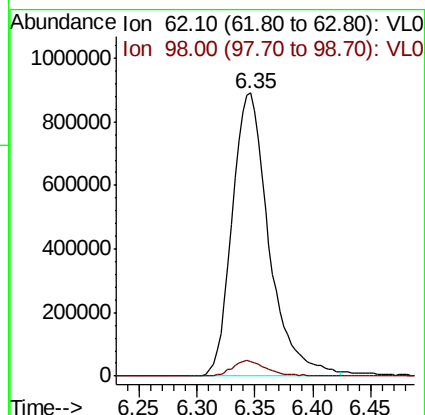
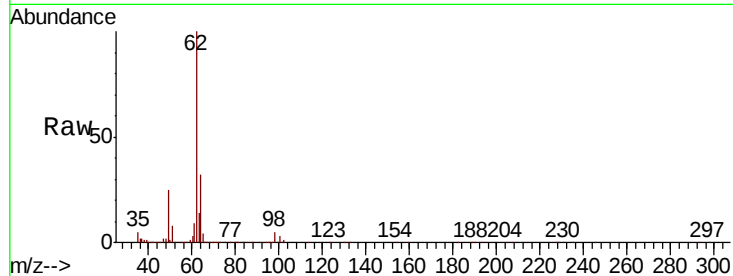




#37
 1,2-Dichloroethane
 Concen: 9.537 ppbv
 RT: 6.35 min Scan# 1107
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

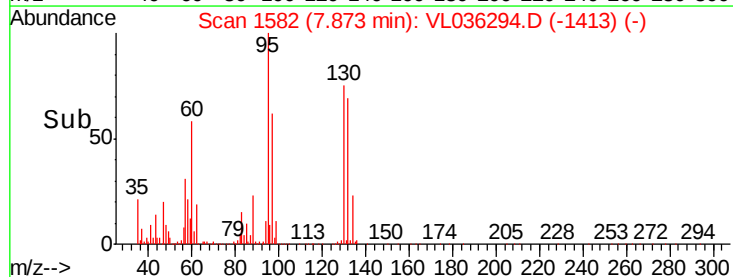
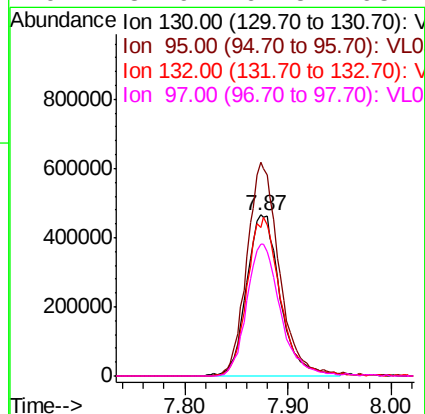
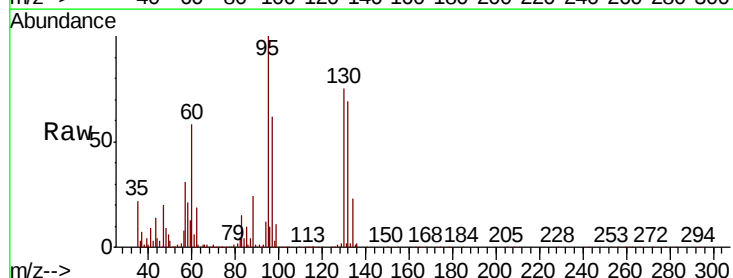
Instrument :
 MSVOA_L
 ClientSampled :

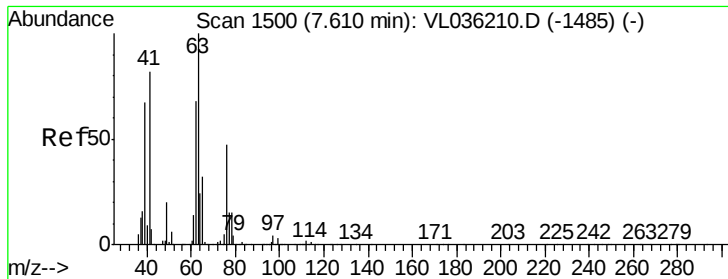
Tot Ion: 62 Resp: 1953520
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.4 6.6



#38
 Trichloroethene
 Concen: 8.372 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Tgt Ion: 130 Resp: 1055482
 Ion Ratio Lower Upper
 130 100
 95 132.4 103.9 155.9
 132 91.8 77.4 116.2
 97 81.9 62.5 93.7

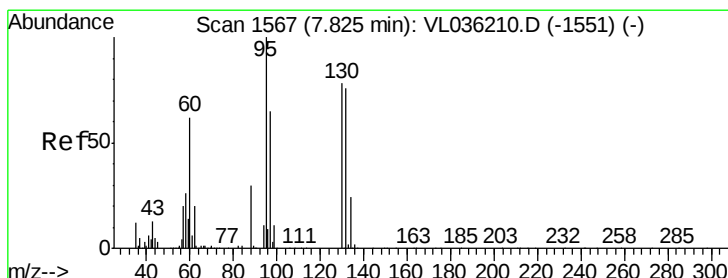
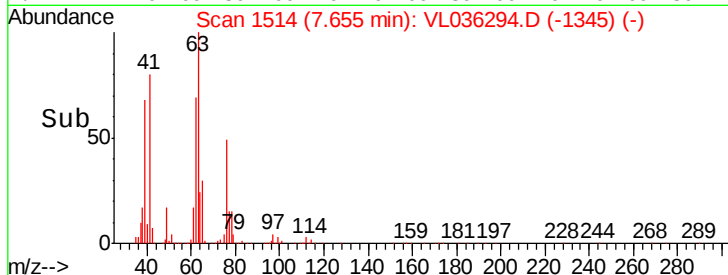
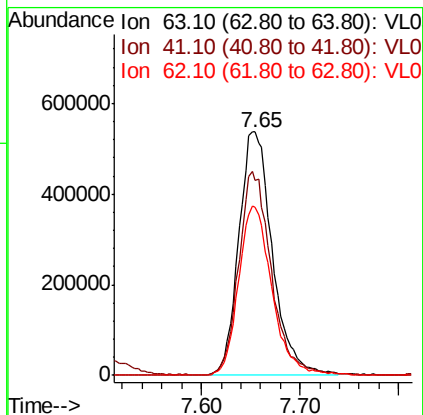
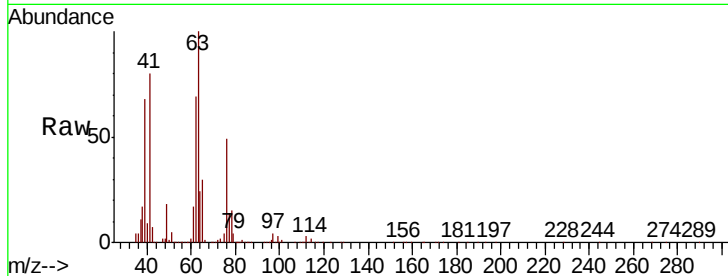




#39
 1,2-Dichloropropane
 Concen: 9.137 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

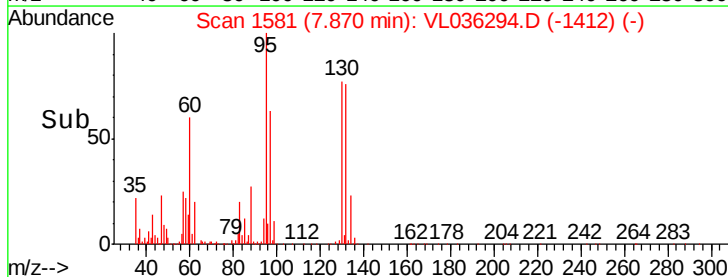
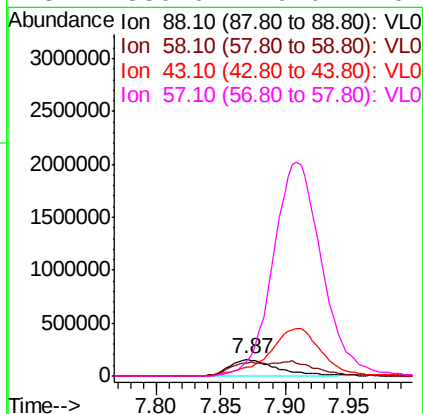
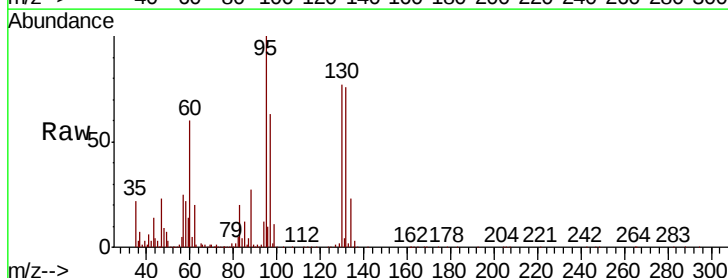
Instrument :
 MSVOA_L
 ClientSampleId :

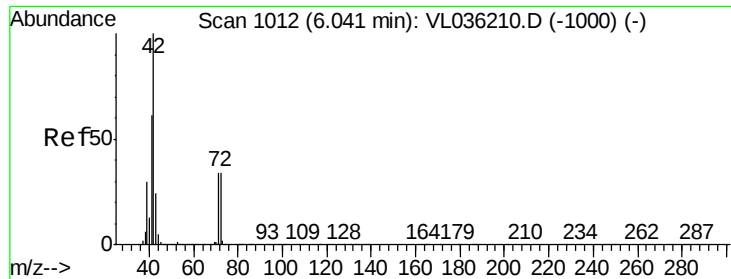
Tot Ion: 63 Resp: 1262733
 Ion Ratio Lower Upper
 63 100
 41 79.9 66.1 99.1
 62 69.0 54.8 82.2



#40
 1,4-Dioxane
 Concen: 8.036 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Tgt Ion: 88 Resp: 401733
 Ion Ratio Lower Upper
 88 100
 58 144.9 123.0 184.6
 43 318.9 0.0 0.0#
 57 1330.0 0.0 0.0#

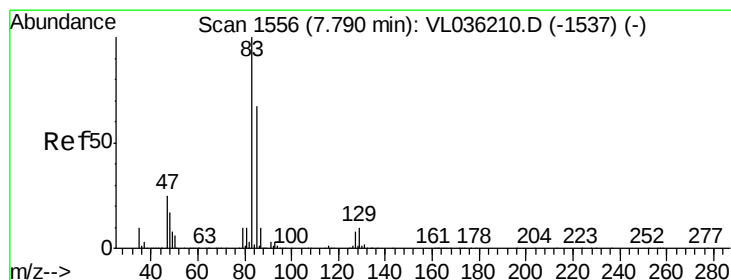
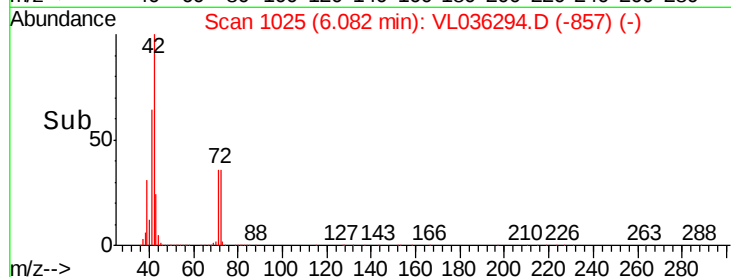
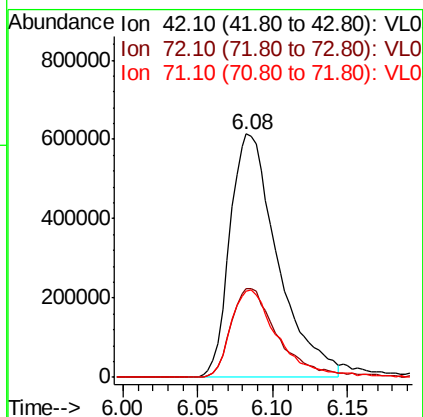
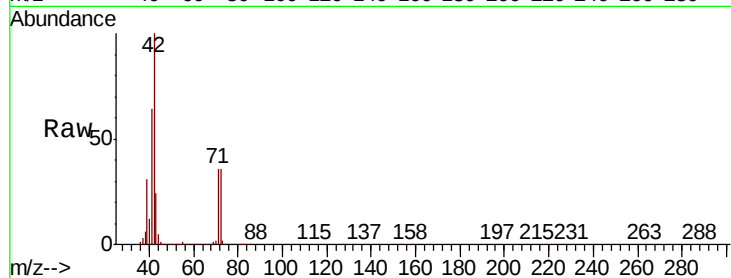




#41
Tetrahydrofuran
Concen: 8.603 ppbv
RT: 6.08 min Scan# 1025
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

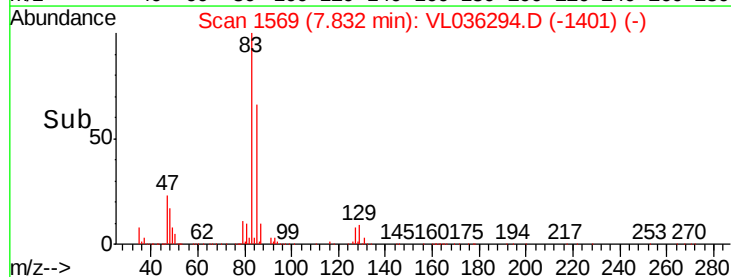
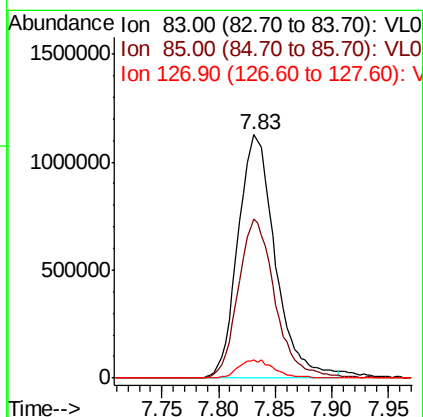
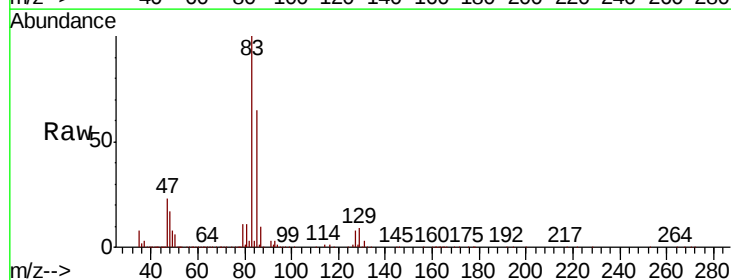
Instrument :
MSVOA_L
ClientSampleId :

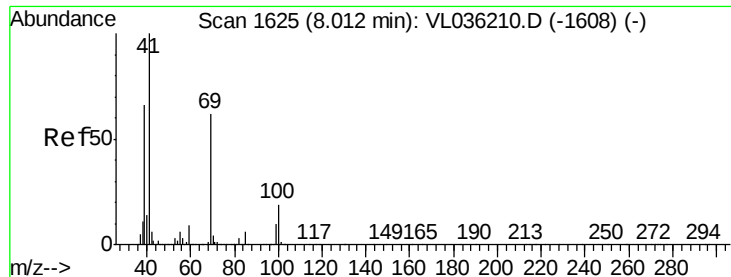
Tot Ion: 42 Resp: 1360208
Ion Ratio Lower Upper
42 100
72 36.9 29.5 44.3
71 36.4 29.1 43.7



#42
Bromodichloromethane
Concen: 10.063 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion: 83 Resp: 2590507
Ion Ratio Lower Upper
83 100
85 65.5 53.4 80.2
127 7.8 6.2 9.2

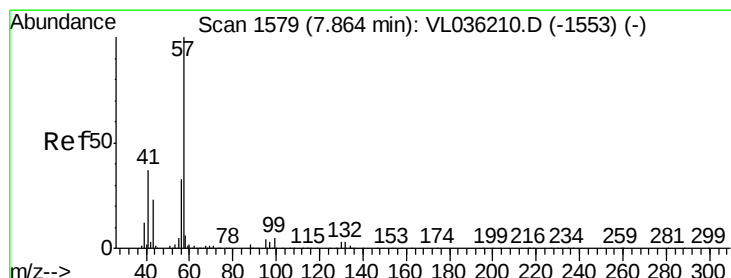
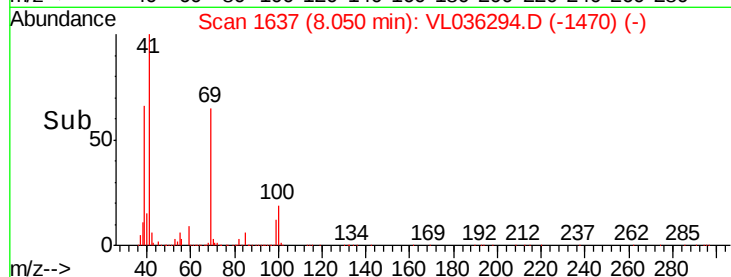
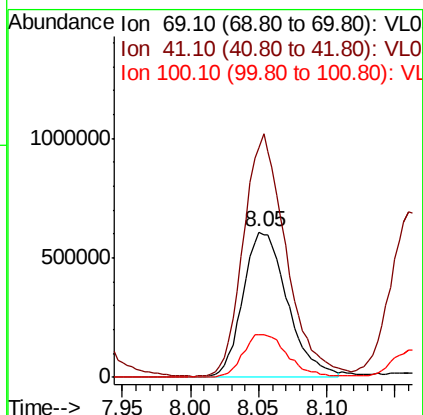
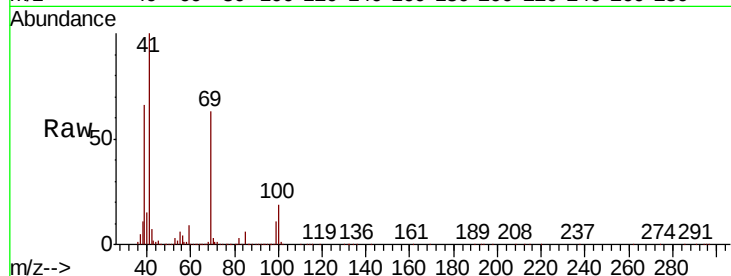




#43
Methvl Methacrvlate
Concen: 9.531 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

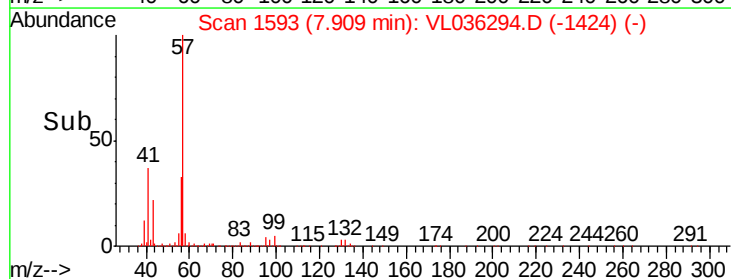
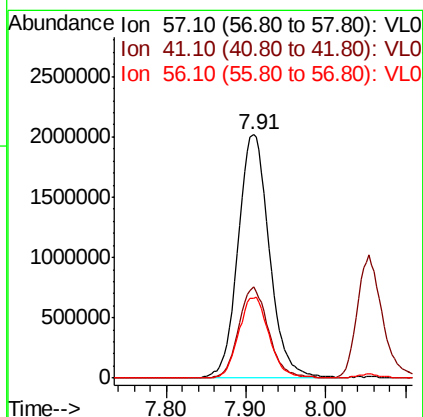
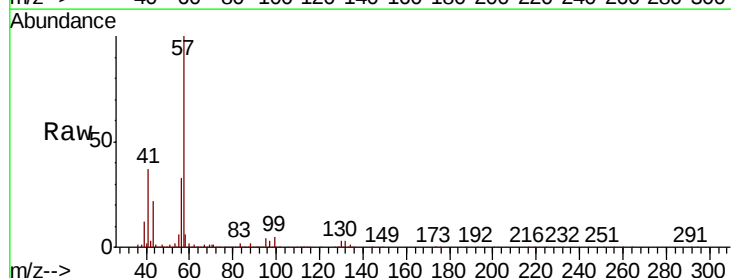
Instrument :
MSVOA_L
ClientSampleId :

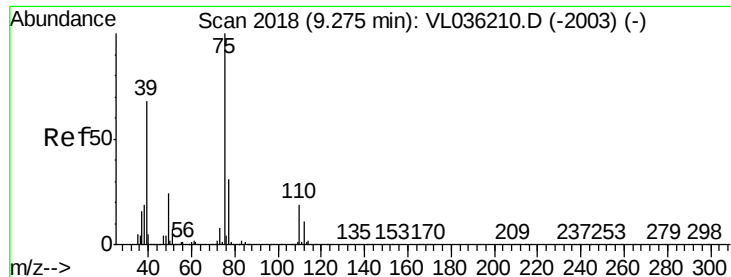
Tot Ion: 69 Resp: 1378694
Ion Ratio Lower Upper
69 100
41 160.9 133.4 200.2
100 29.8 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 8.540 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion: 57 Resp: 5339074
Ion Ratio Lower Upper
57 100
41 35.4 28.5 42.7
56 32.2 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.069 ppbv

RT: 9.32 min Scan# 2032

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

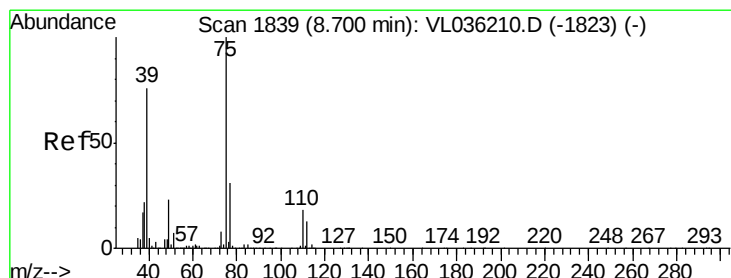
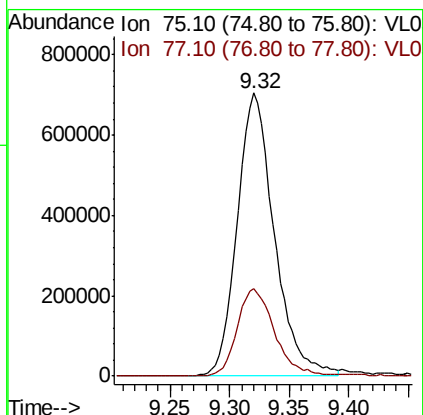
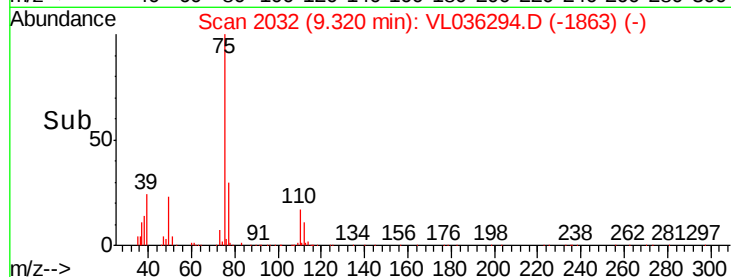
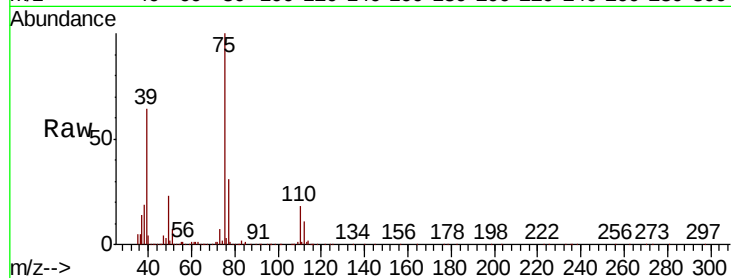
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1520889

Ion Ratio Lower Upper

75 100

77 31.1 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.165 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

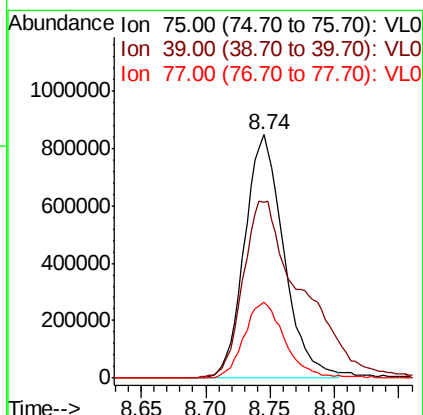
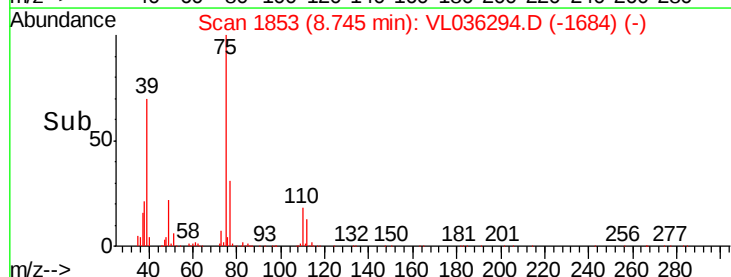
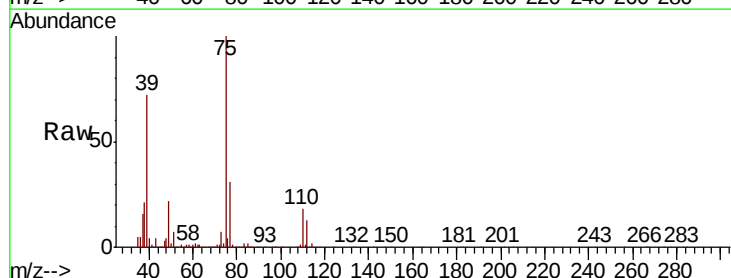
Tgt Ion: 75 Resp: 1794781

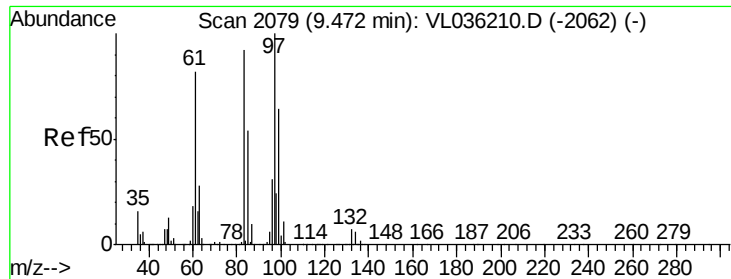
Ion Ratio Lower Upper

75 100

39 72.2 61.2 91.8

77 31.3 24.6 37.0



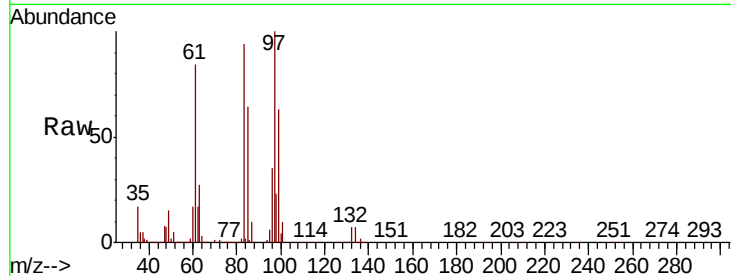


#47
 1,1,2-Trichloroethane
 Concen: 4.902 ppbv
 RT: 9.52 min Scan# 2094
 Delta R.T. 0.05 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

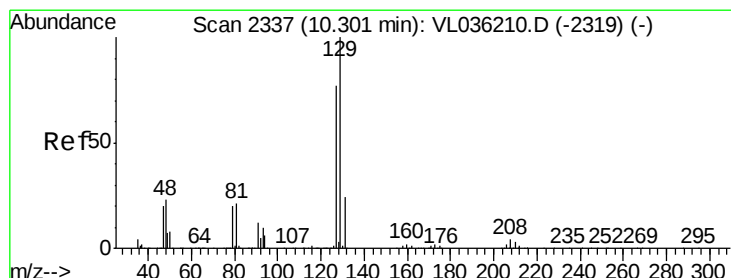
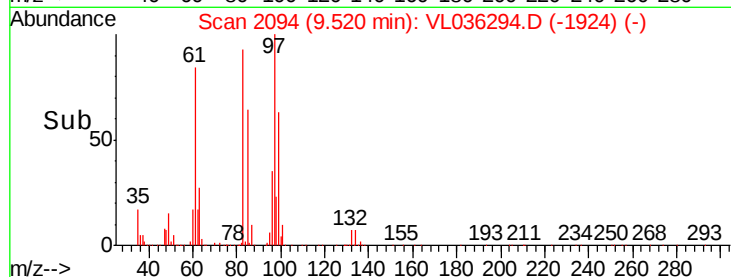
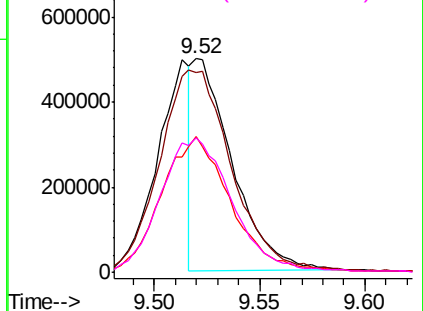
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 648122

Ion	Ratio	Lower	Upper
97	100		
83	92.9	73.3	109.9
85	63.4	43.2	64.8
99	62.5	51.5	77.3



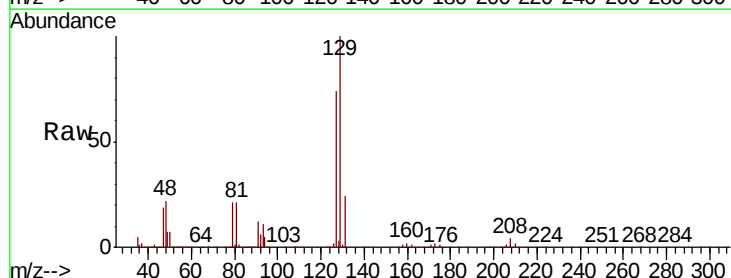
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



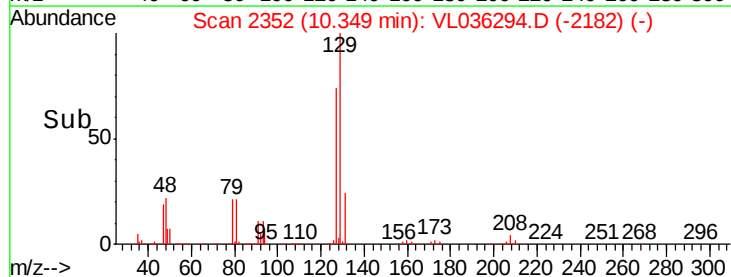
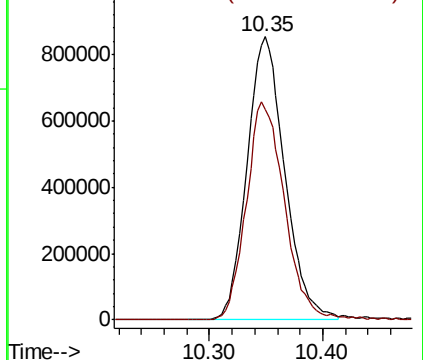
#48
 Dibromochloromethane
 Concen: 10.219 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. 0.05 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

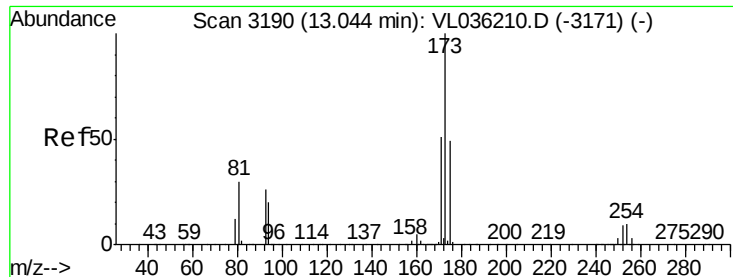
Tgt Ion: 129 Resp: 1976789

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.6	118.8



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





#49

Bromoform

Concen: 9.755 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

ClientSampleId :

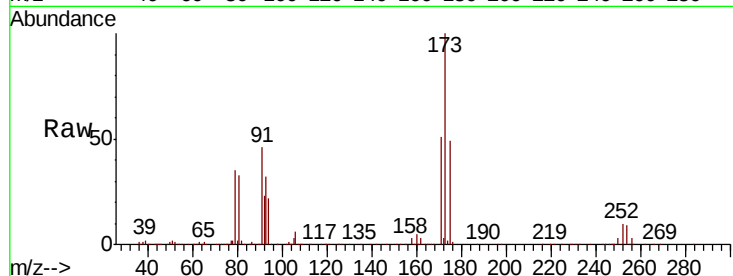
Tot Ion:173 Resp: 1574978

Ion Ratio Lower Upper

173 100

175 50.8 40.7 61.1

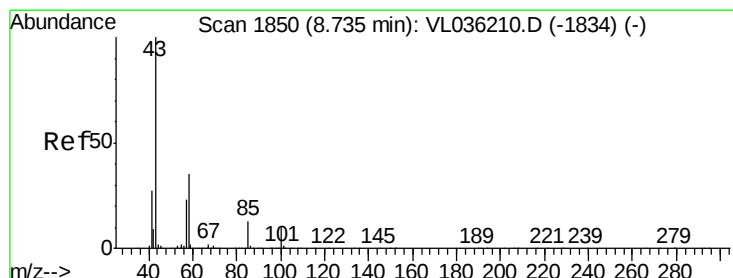
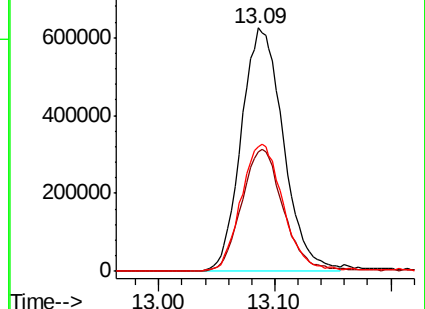
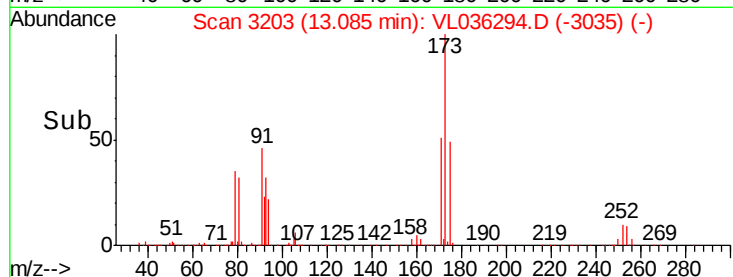
171 53.7 43.0 64.6



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: 8.782 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.04 min

Lab File: VL036294.D

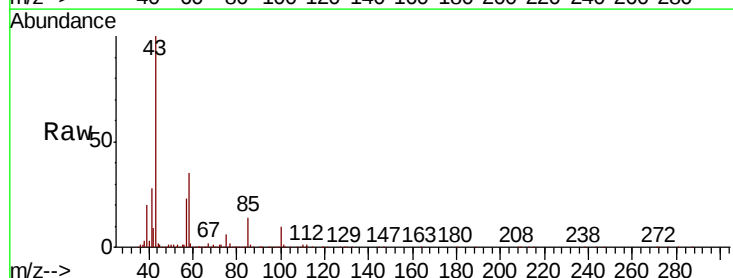
Acq: 3 Feb 2021 14:24

Tgt Ion: 43 Resp: 3582472

Ion Ratio Lower Upper

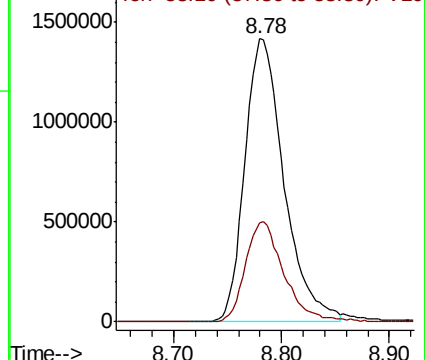
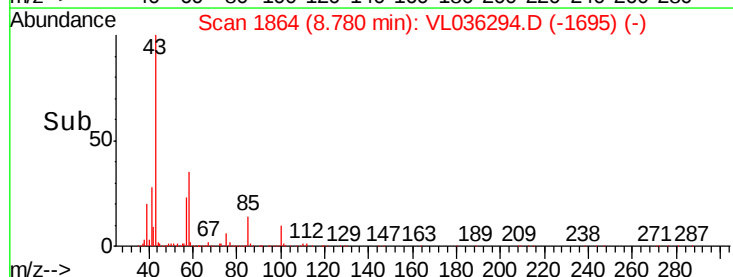
43 100

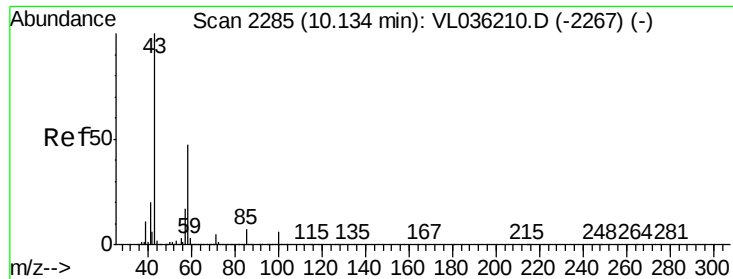
58 35.0 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

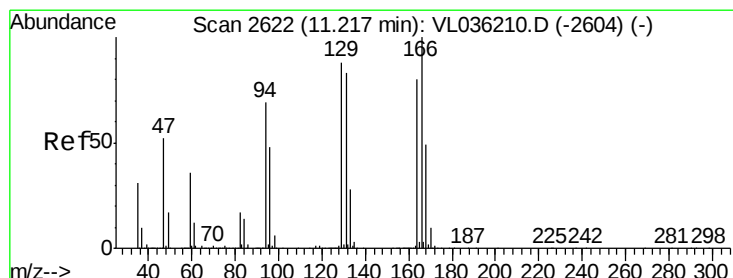
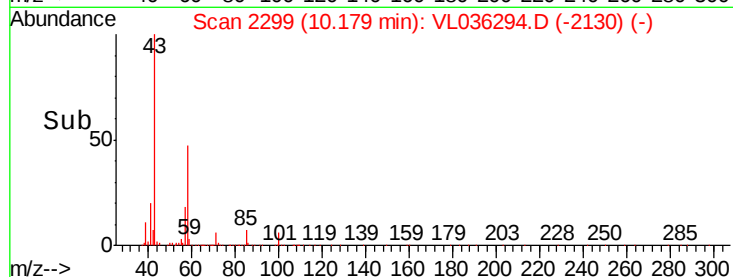
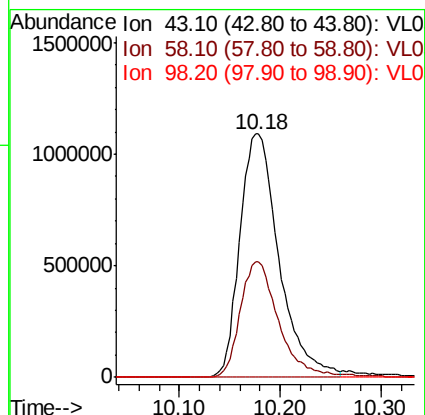
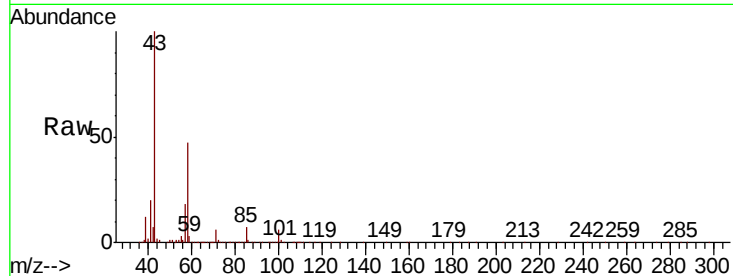




#51
2-Hexanone
Concen: 9.109 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

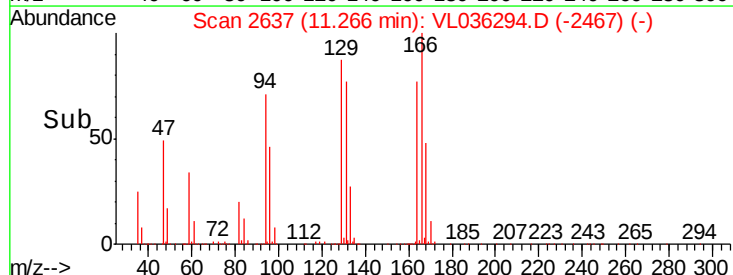
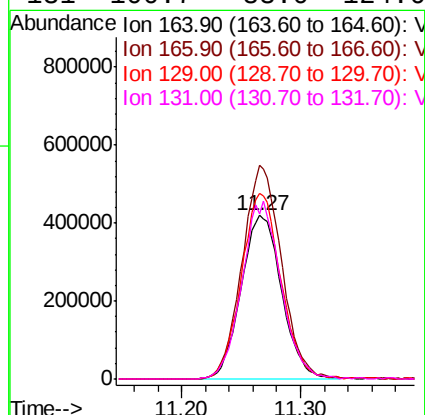
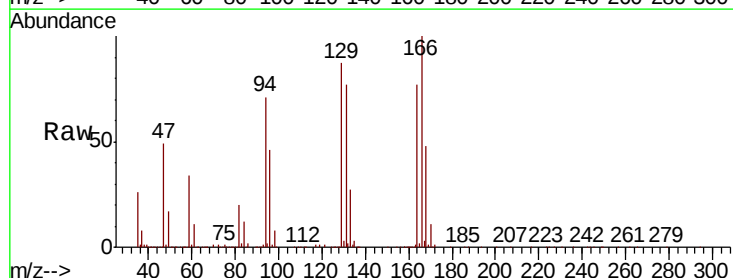
Instrument :
MSVOA_L
ClientSampled :

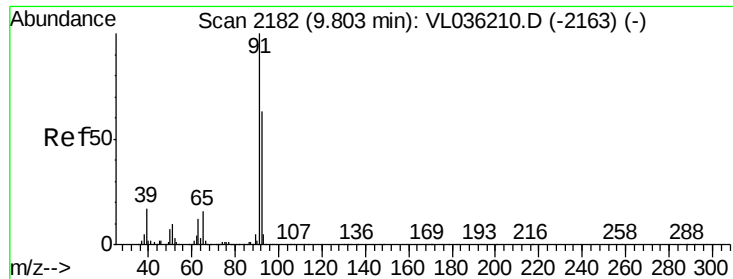
Tot Ion: 43 Resp: 2931301
Ion Ratio Lower Upper
43 100
58 47.0 37.4 56.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 7.868 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.05 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion:164 Resp: 986928
Ion Ratio Lower Upper
164 100
166 130.6 99.9 149.9
129 113.7 88.2 132.4
131 100.7 83.0 124.6





#53

Toluene

Concen: 9.028 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

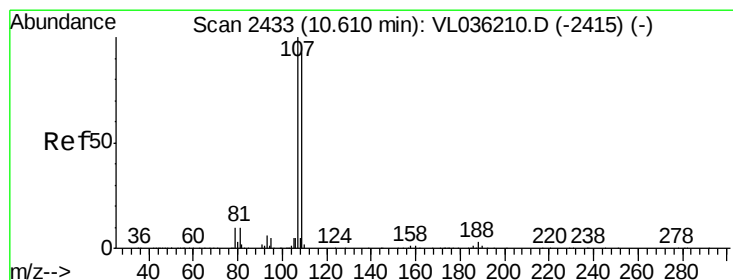
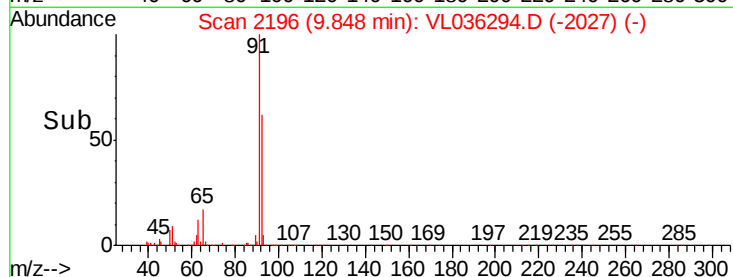
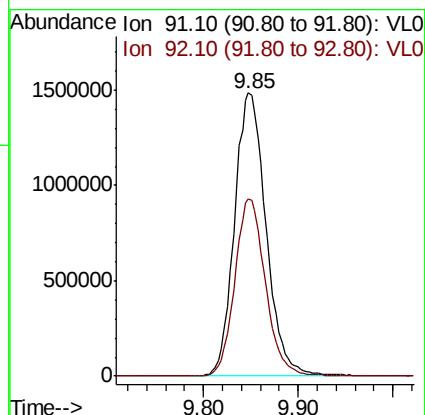
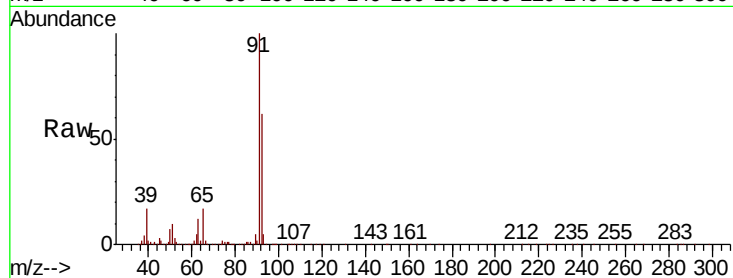
ClientSampleId :

Tot Ion: 91 Resp: 3437729

Ion Ratio Lower Upper

91 100

92 61.1 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.168 ppbv

RT: 10.65 min Scan# 2447

Delta R.T. 0.04 min

Lab File: VL036294.D

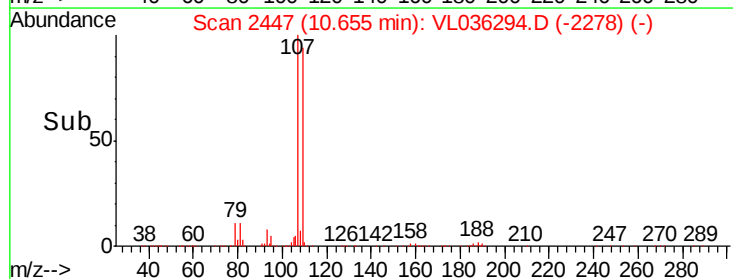
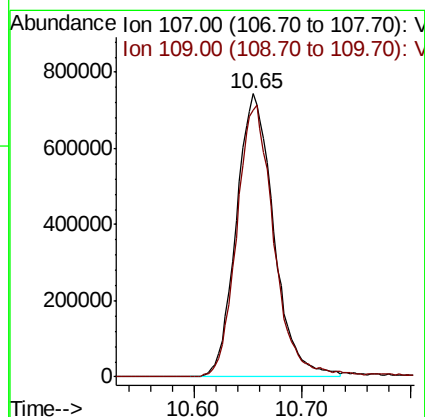
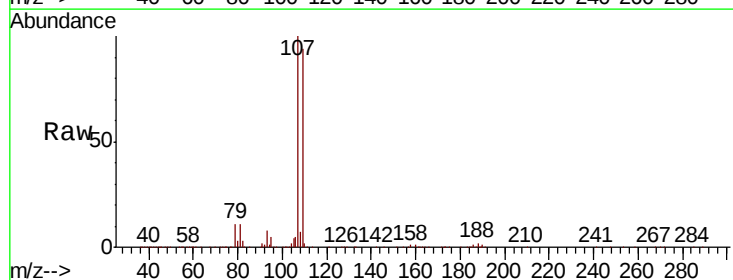
Acq: 3 Feb 2021 14:24

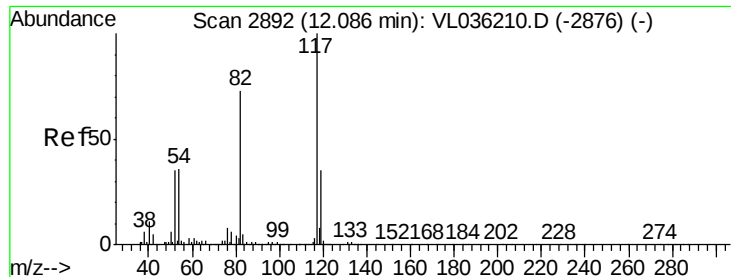
Tgt Ion: 107 Resp: 1796849

Ion Ratio Lower Upper

107 100

109 94.3 74.5 111.7

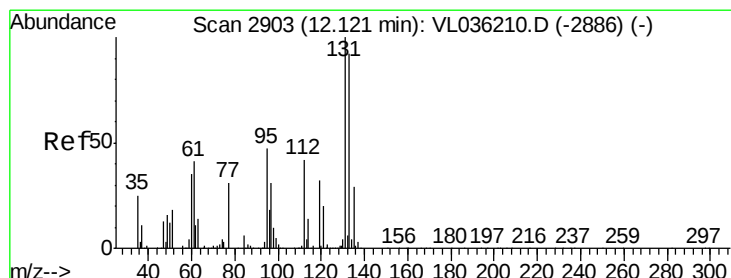
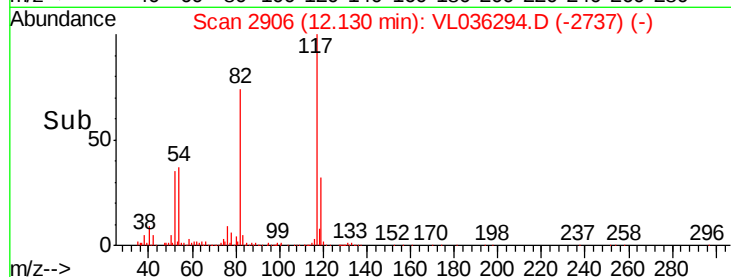
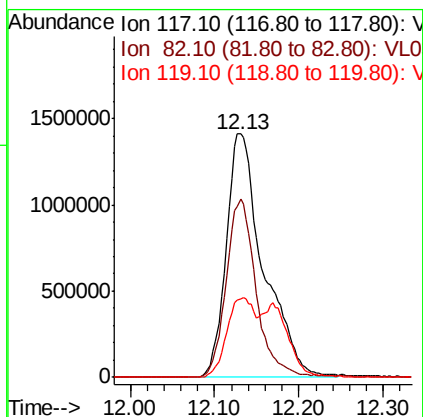
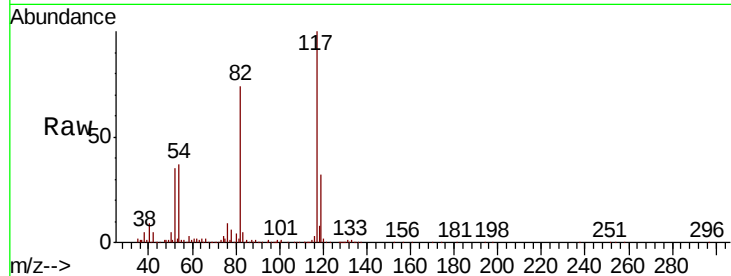




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

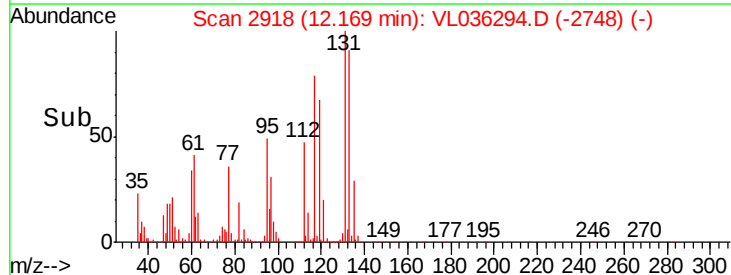
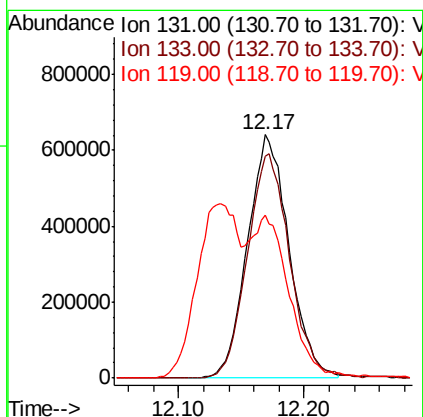
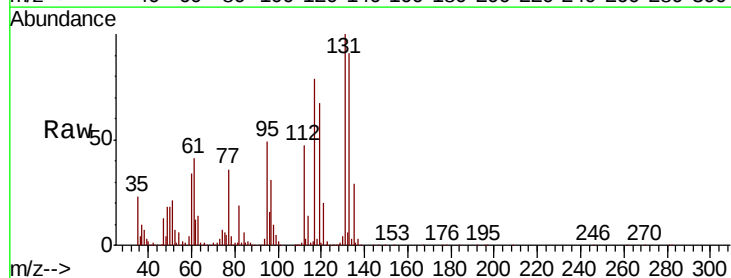
Instrument :
MSVOA_L
ClientSampleId :

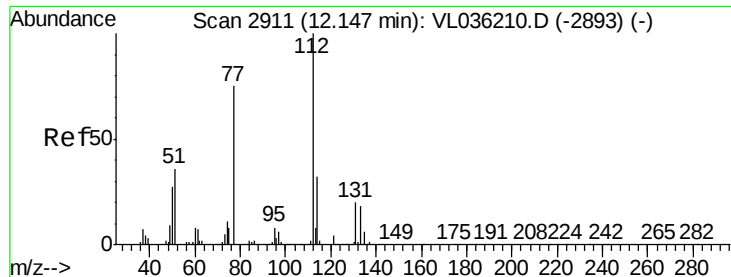
Tot Ion:117 Resp: 4336726
Ion Ratio Lower Upper
117 100
82 59.8 59.7 89.5
119 46.8 28.6 43.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.599 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.05 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion:131 Resp: 1470626
Ion Ratio Lower Upper
131 100
133 95.1 76.5 114.7
119 57.5 45.4 68.0

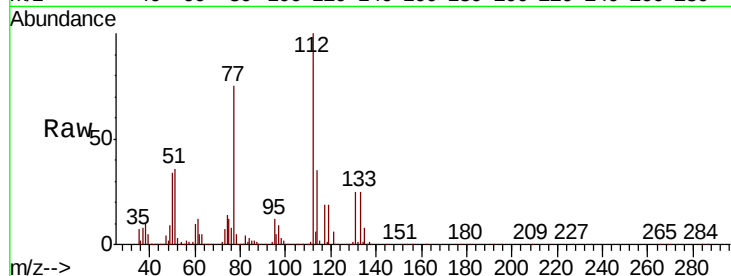




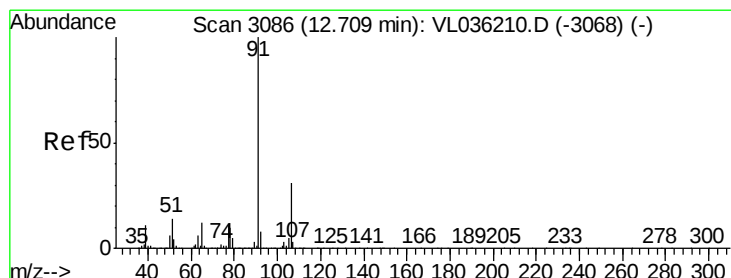
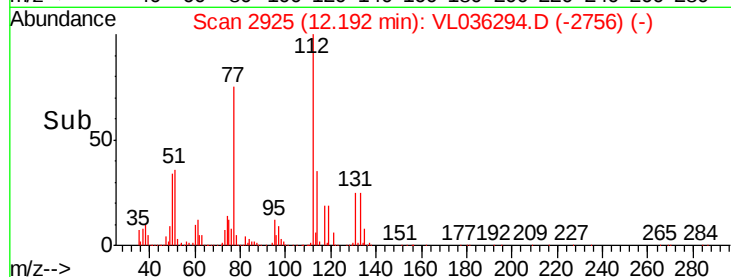
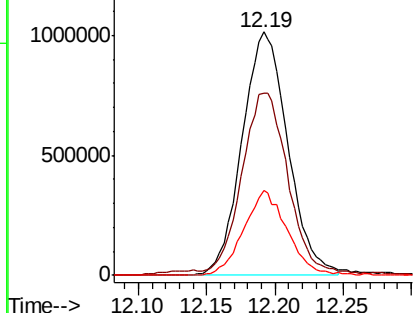
#57
Chlorobenzene
Concen: 6.910 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.04 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 2351104
Ion Ratio Lower Upper
112 100
77 73.1 59.6 89.4
114 34.7 28.7 35.1

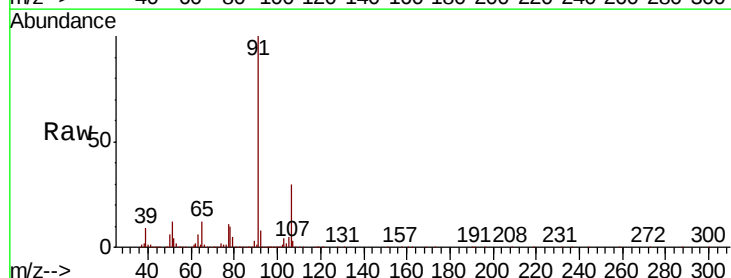


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

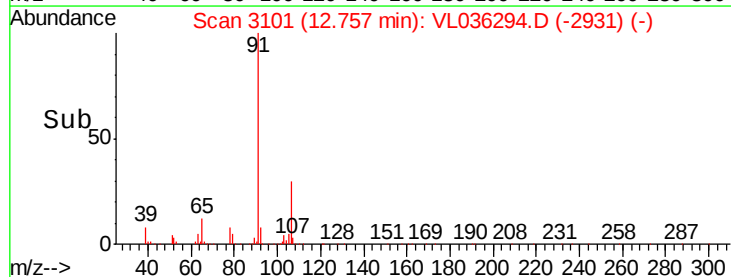
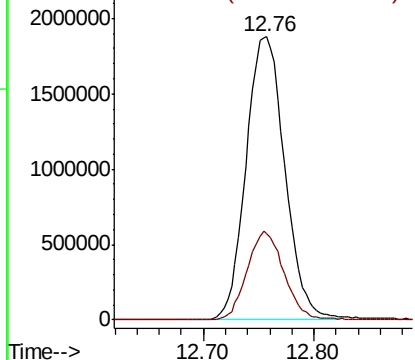


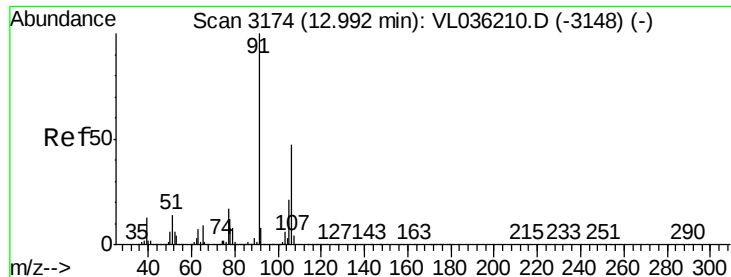
#58
Ethyl Benzene
Concen: 7.100 ppbv
RT: 12.76 min Scan# 3101
Delta R.T. 0.05 min
Lab File: VL036294.D
Acq: 3 Feb 2021 14:24

Tgt Ion: 91 Resp: 4568919
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 5.984 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.05 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

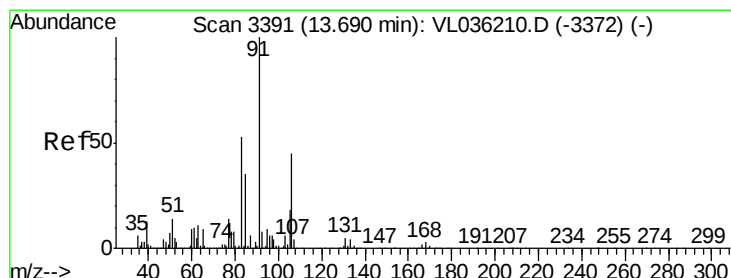
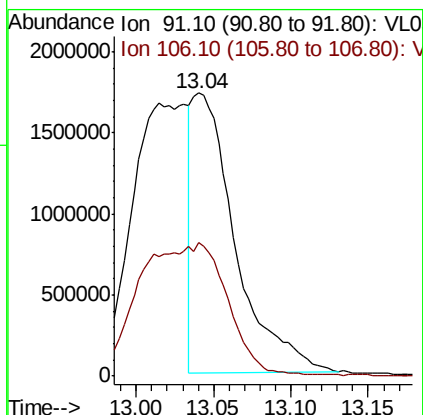
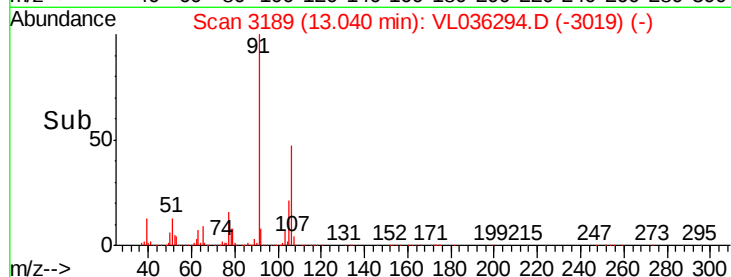
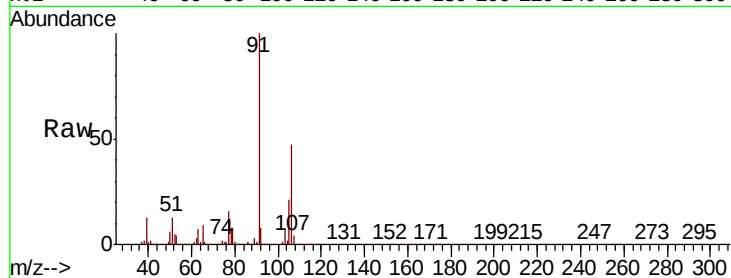
ClientSampleId :

Tot Ion: 91 Resp: 3309178

Ion Ratio Lower Upper

91 100

106 98.6 34.6 51.8#



#60

o-Xylene

Concen: 6.746 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. 0.05 min

Lab File: VL036294.D

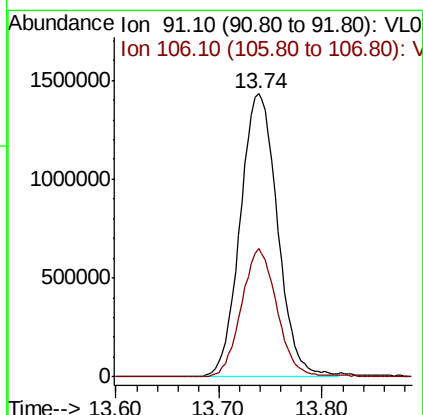
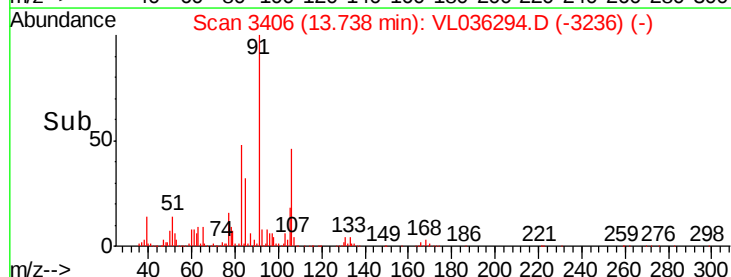
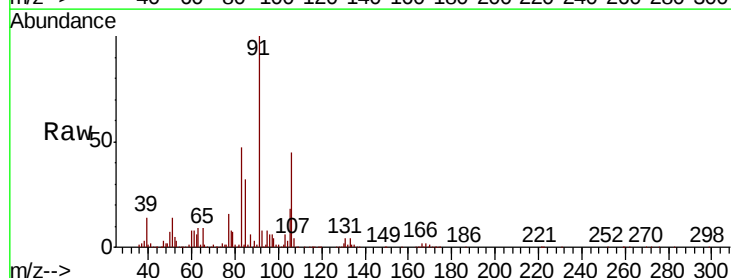
Acq: 3 Feb 2021 14:24

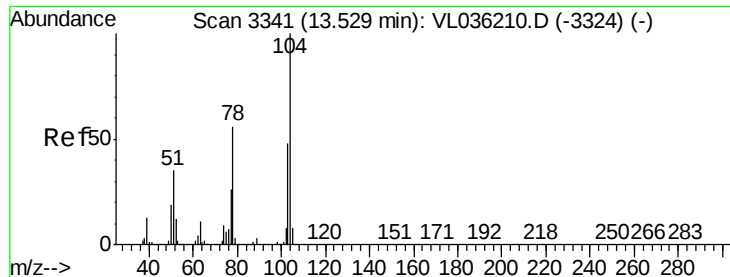
Tgt Ion: 91 Resp: 3595766

Ion Ratio Lower Upper

91 100

106 43.7 21.9 65.8





#61

Stvrene

Concen: 7.446 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

ClientSampled :

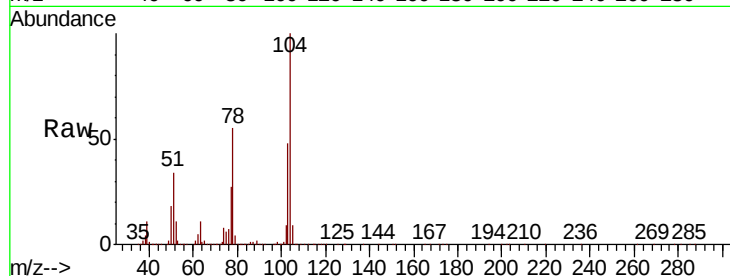
Tot Ion:104 Resp: 2506148

Ion Ratio Lower Upper

104 100

78 58.0 46.8 70.2

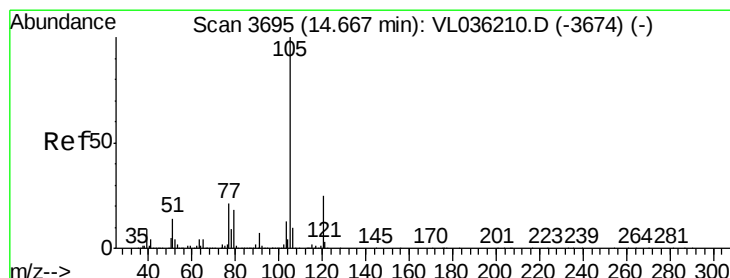
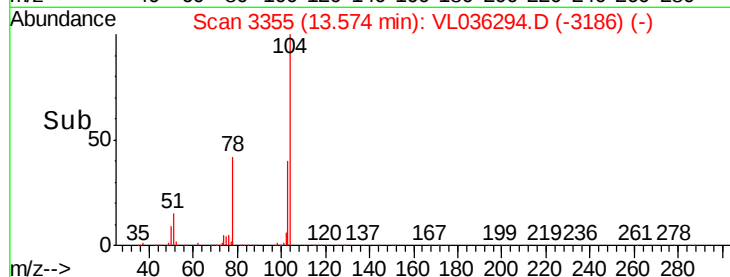
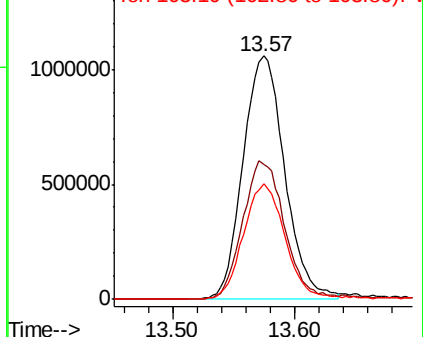
103 48.0 38.4 57.6



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: 6.671 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.04 min

Lab File: VL036294.D

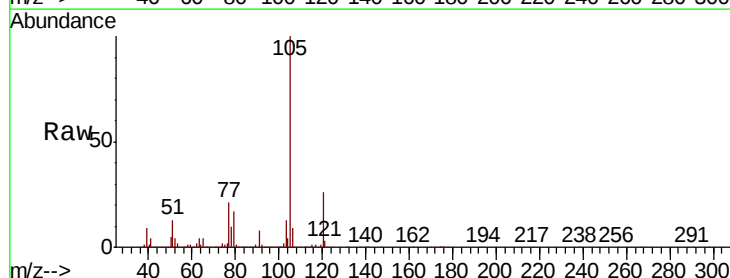
Acq: 3 Feb 2021 14:24

Tgt Ion:105 Resp: 5286840

Ion Ratio Lower Upper

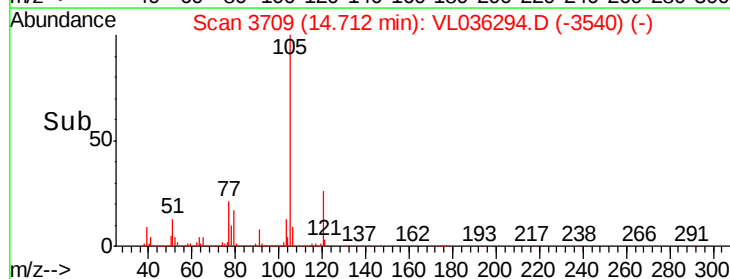
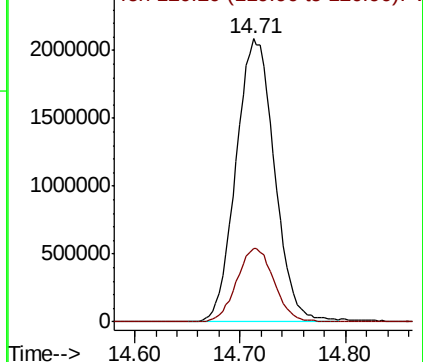
105 100

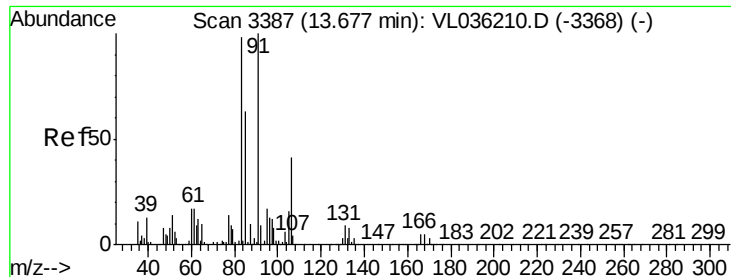
120 25.6 20.3 30.5



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: 6.280 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.05 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

ClientSampleId :

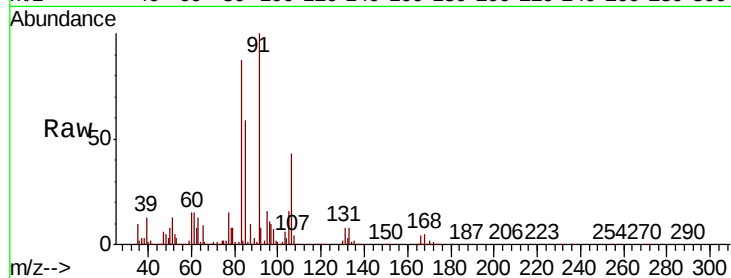
Tot Ion: 83 Resp: 2492434

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.5

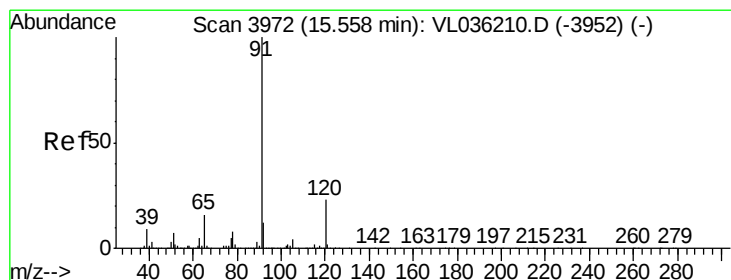
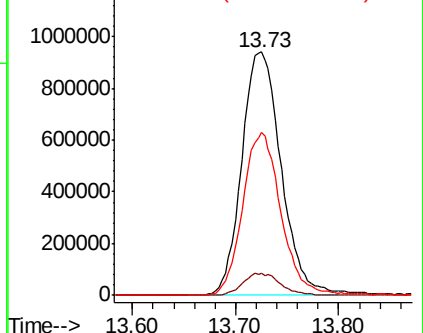
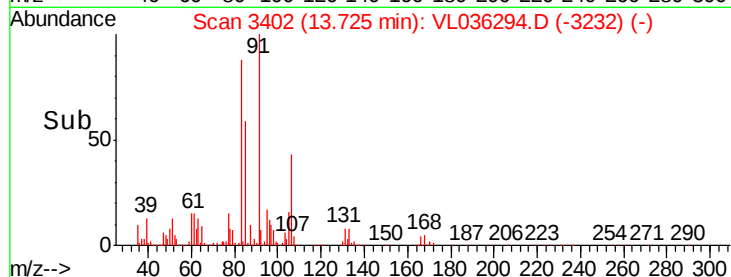
85 65.4 33.1 99.3



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



#64

n-propylbenzene

Concen: 6.884 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.05 min

Lab File: VL036294.D

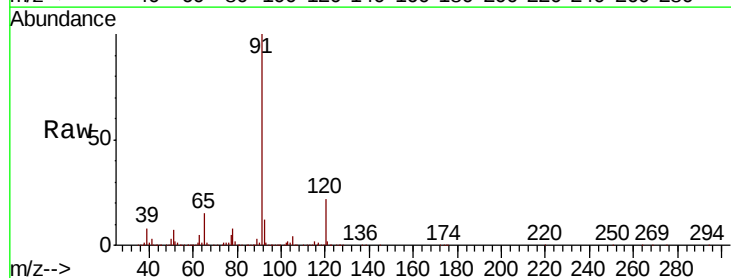
Acq: 3 Feb 2021 14:24

Tgt Ion:120 Resp: 1340494

Ion Ratio Lower Upper

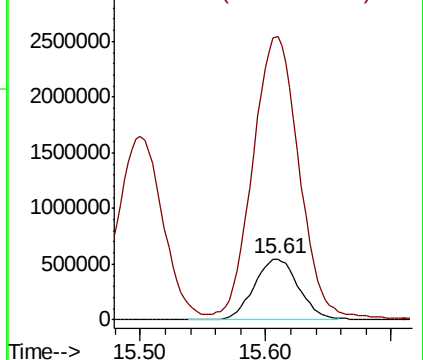
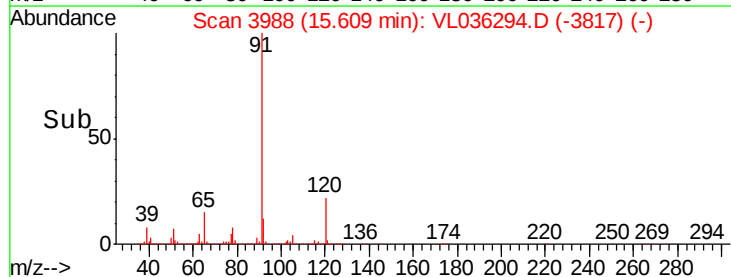
120 100

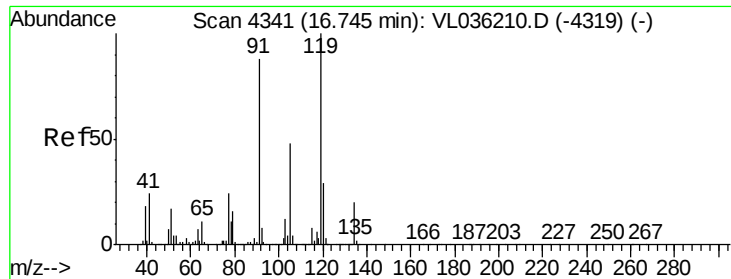
91 492.6 391.8 587.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.482 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.05 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

ClientSampleId :

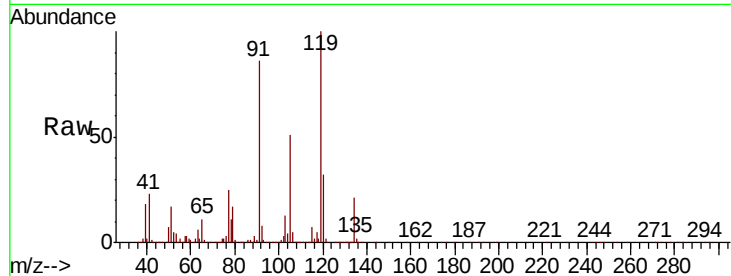
Tot Ion:119 Resp: 4352760

Ion Ratio Lower Upper

119 100

91 88.2 71.0 106.6

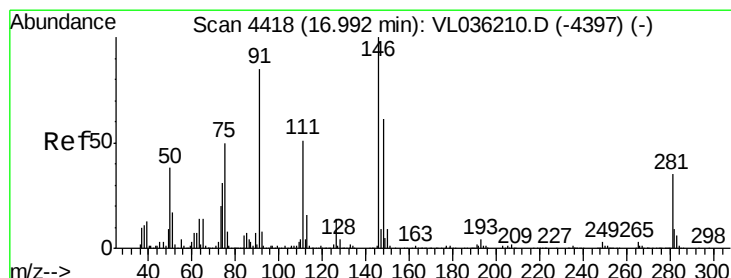
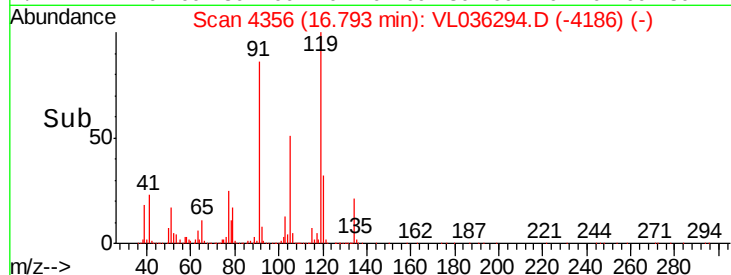
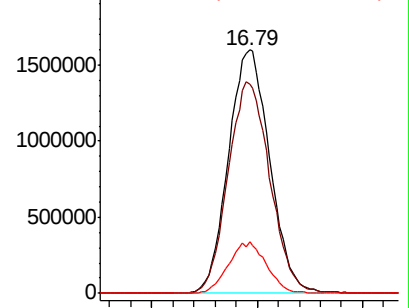
134 19.6 15.8 23.6



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: 8.384 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

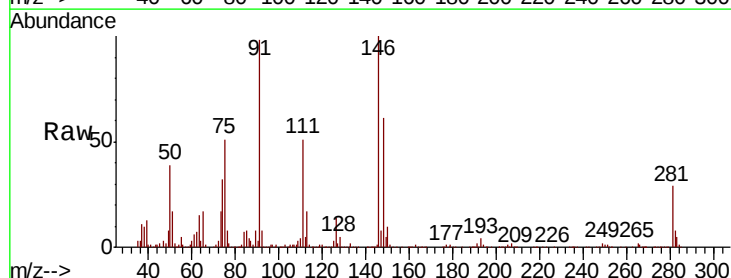
Tgt Ion: 91 Resp: 1438324

Ion Ratio Lower Upper

91 100

126 16.0 12.6 19.0

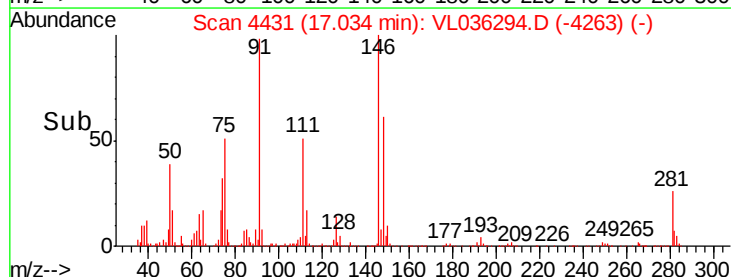
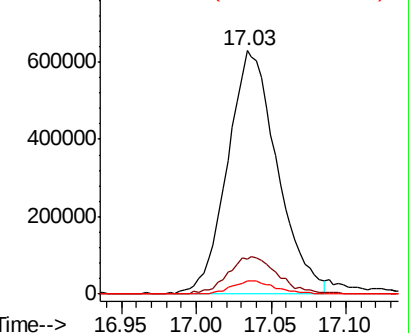
128 5.2 3.8 5.6

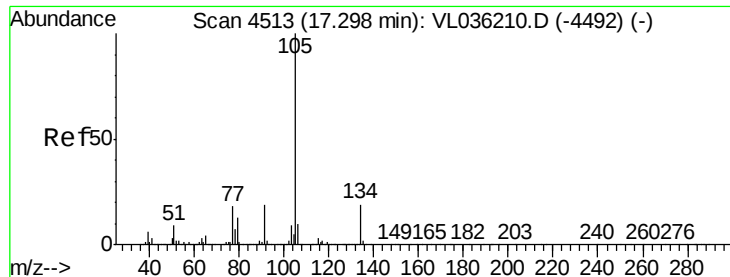


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.178 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

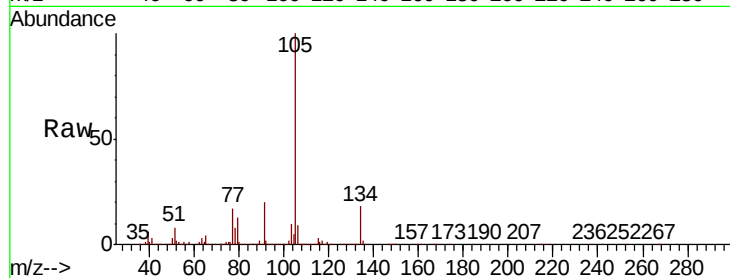
ClientSampleId :

Tot Ion:105 Resp: 6158549

Ion Ratio Lower Upper

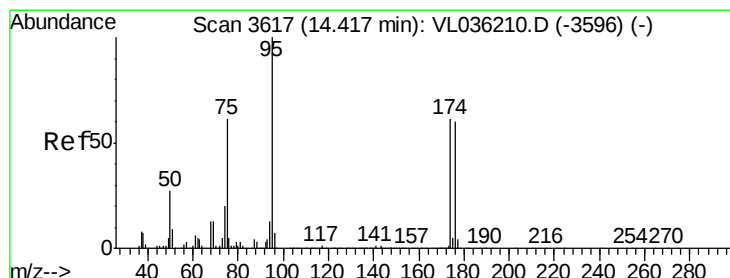
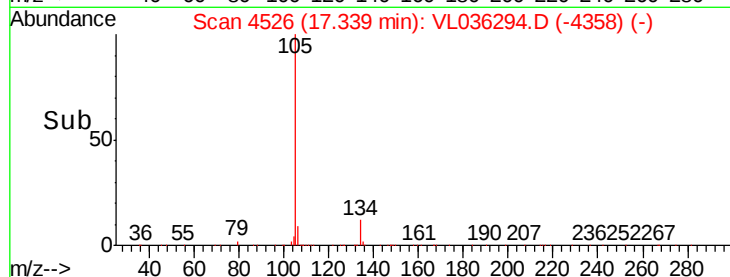
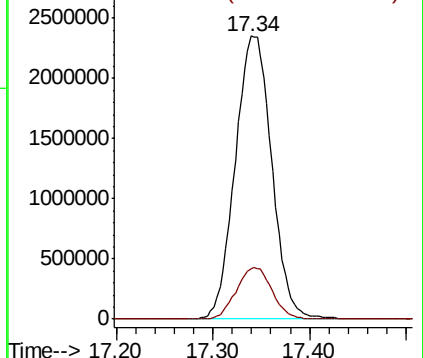
105 100

134 17.8 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.393 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

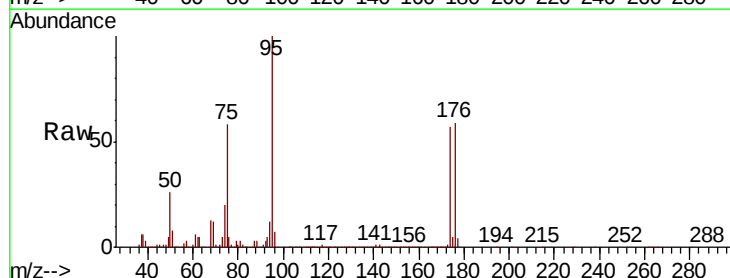
Tgt Ion: 95 Resp: 3012826

Ion Ratio Lower Upper

95 100

174 61.2 49.4 74.0

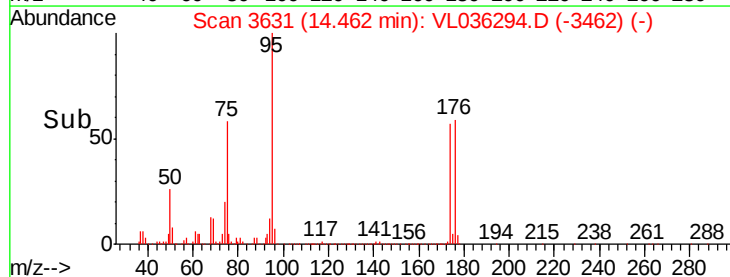
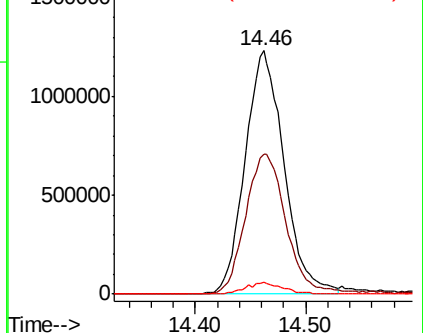
175 4.6 3.8 5.8

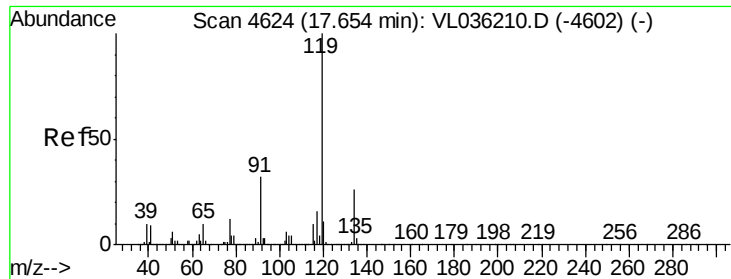


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 6.249 ppbv

RT: 17.70 min Scan# 4638

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

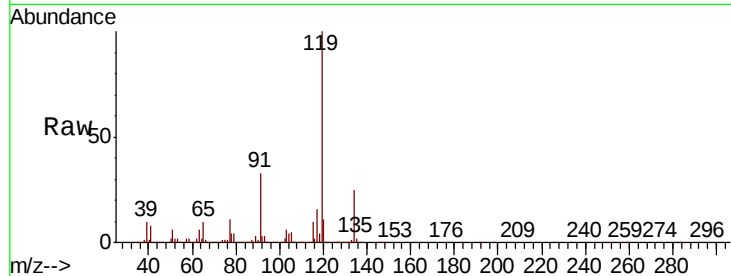
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 4940577

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.4
91	32.4	26.0	39.0

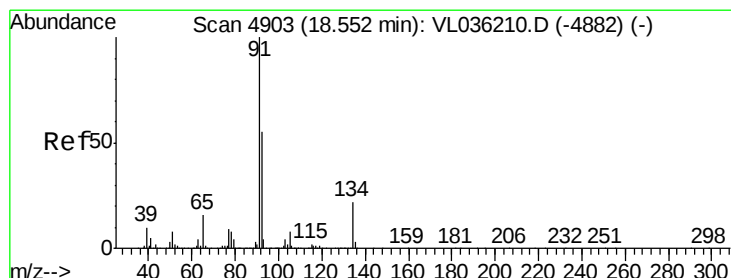
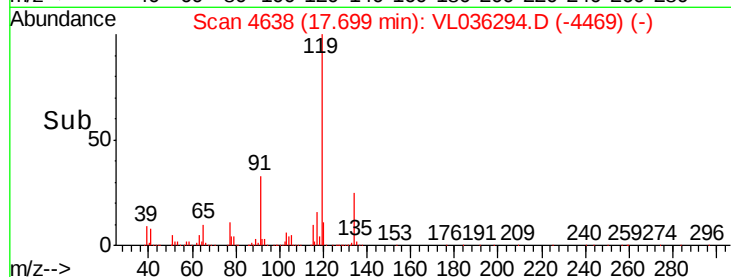
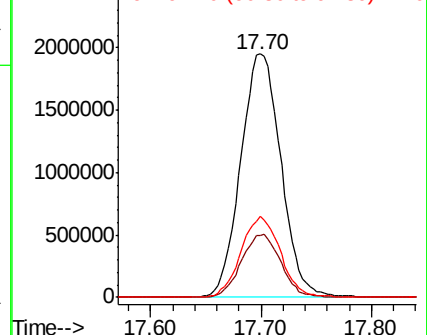


Abundance

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: 6.086 ppbv

RT: 18.59 min Scan# 4916

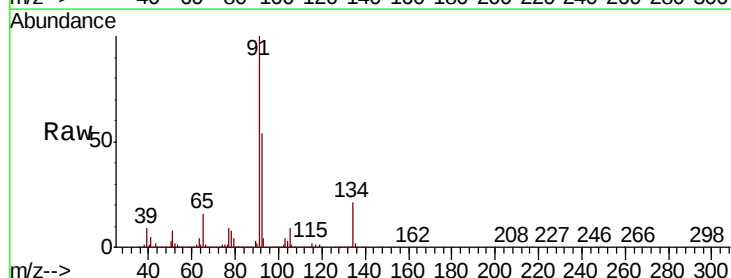
Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Tgt Ion: 91 Resp: 5126562

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	21.5	17.0	25.4

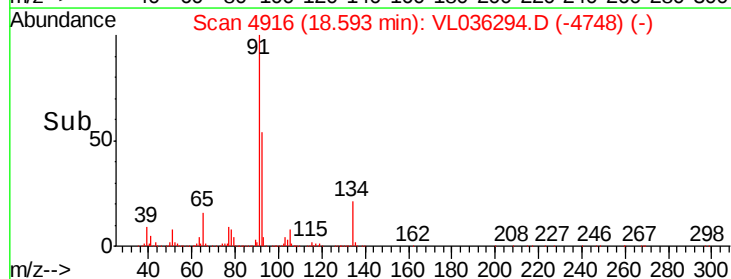
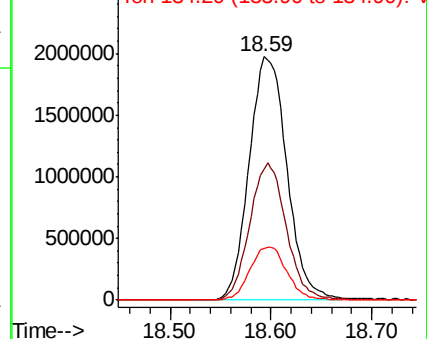


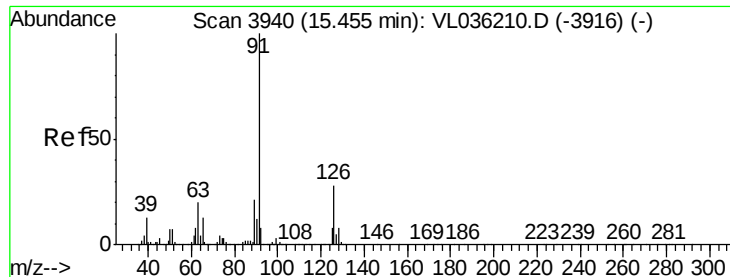
Abundance

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

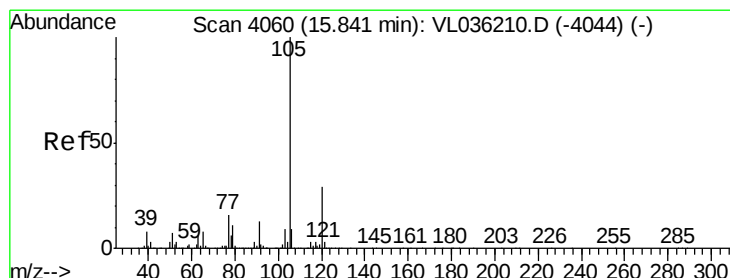
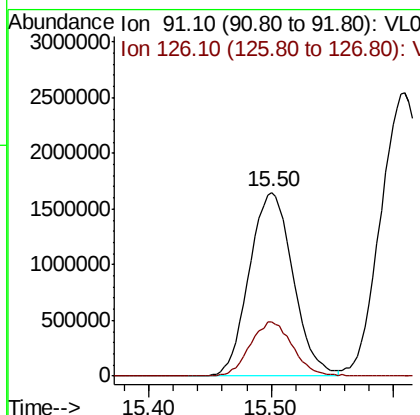
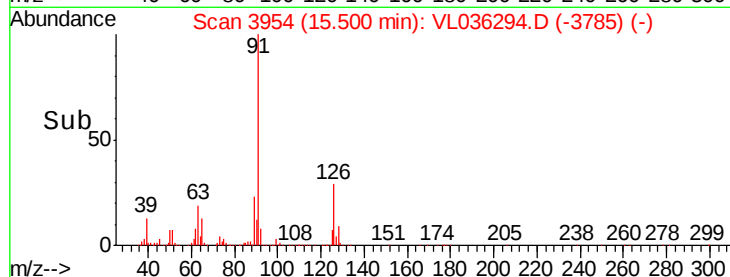
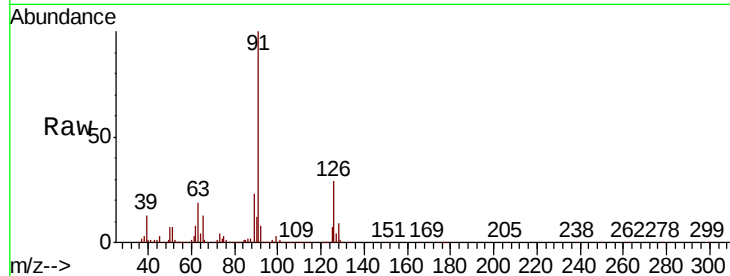




#71
 2-Chlorotoluene
 Concen: 6.587 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

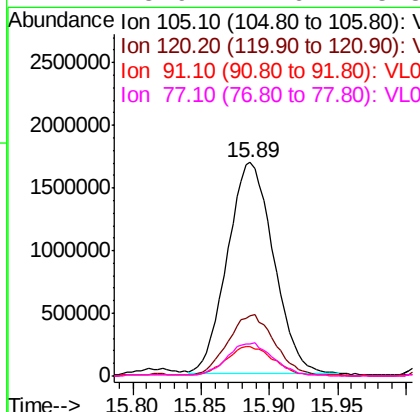
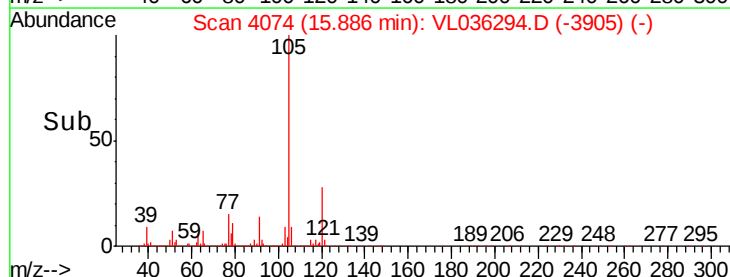
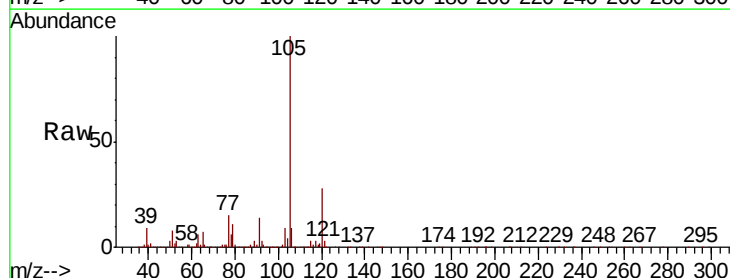
Instrument :
 MSVOA_L
 ClientSampleId :

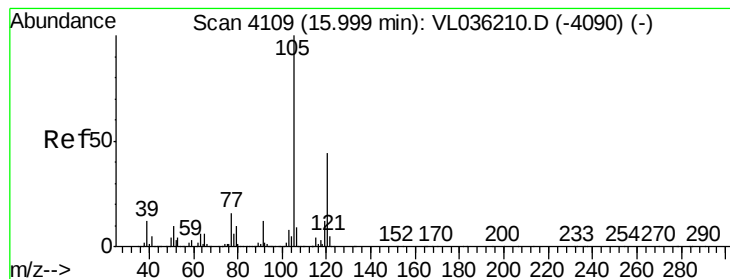
Tot Ion: 91 Resp: 4102857
 Ion Ratio Lower Upper
 91 100
 126 29.2 11.5 45.9



#72
 4-Ethyltoluene
 Concen: 6.611 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Tgt Ion:105 Resp: 3976623
 Ion Ratio Lower Upper
 105 100
 120 30.7 23.7 35.5
 91 14.1 11.9 17.9
 77 15.9 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 6.504 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

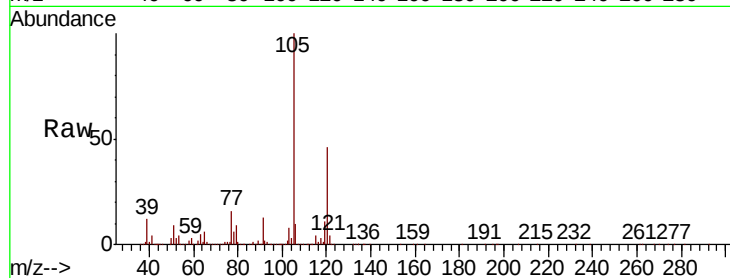
ClientSampleId :

Tot Ion:105 Resp: 3729368

Ion Ratio Lower Upper

105 100

120 46.0 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.04

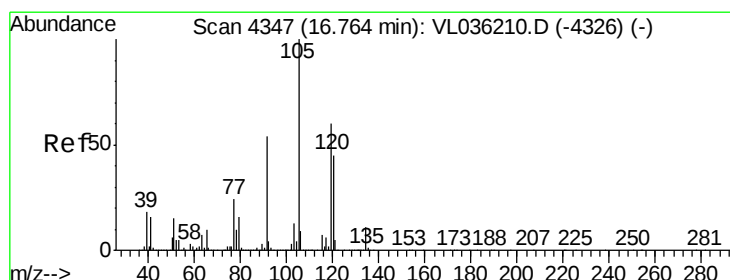
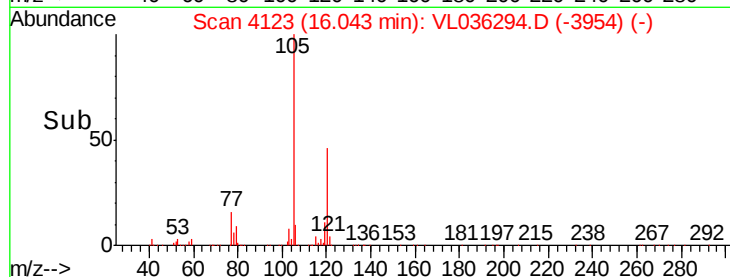
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.389 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.05 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Tgt Ion:105 Resp: 3757512

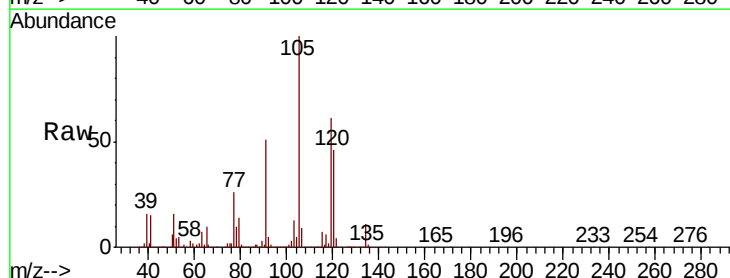
Ion Ratio Lower Upper

105 100

120 45.9 36.2 54.2

91 51.0 43.3 64.9

77 25.5 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

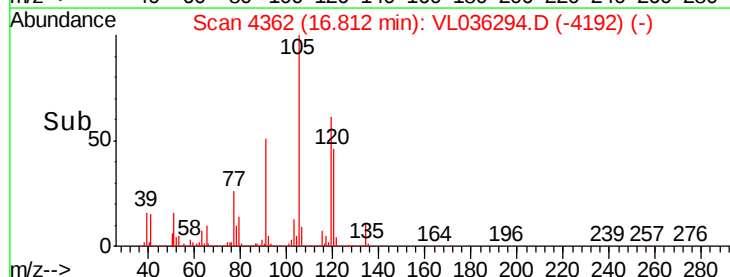
1500000

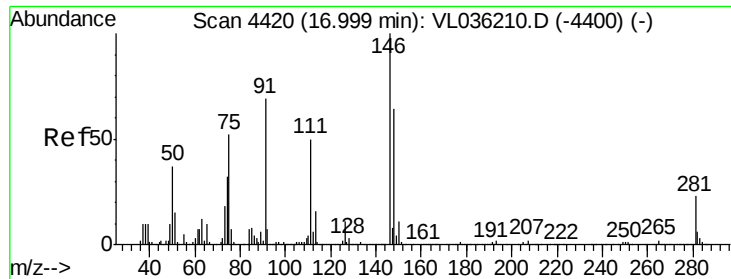
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 6.244 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

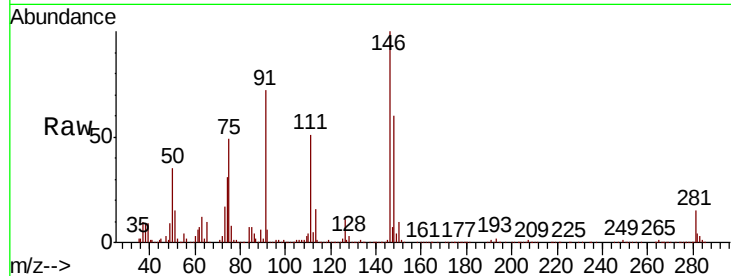
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 1969569

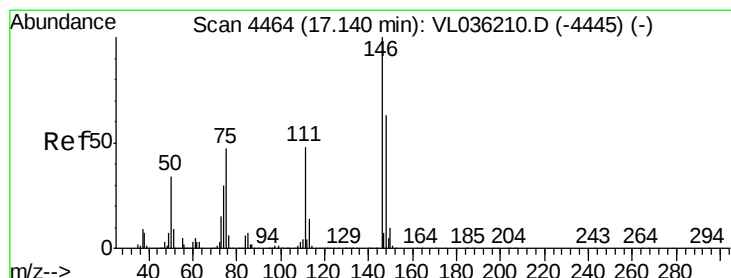
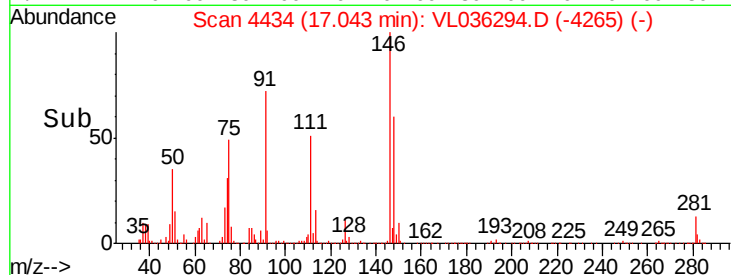
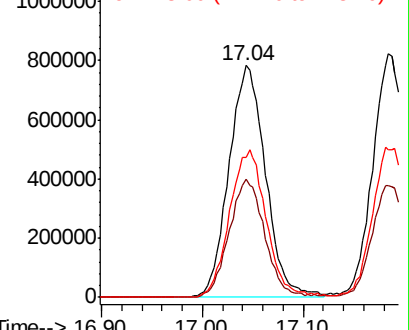
Ion	Ratio	Lower	Upper
146	100		
111	49.9	25.5	76.5
148	64.0	32.4	97.2



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: 6.166 ppbv

RT: 17.18 min Scan# 4478

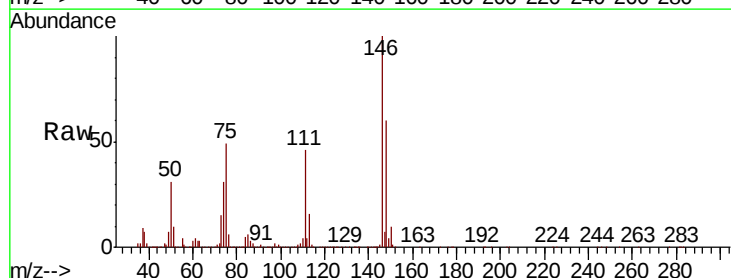
Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Tgt Ion:146 Resp: 1921592

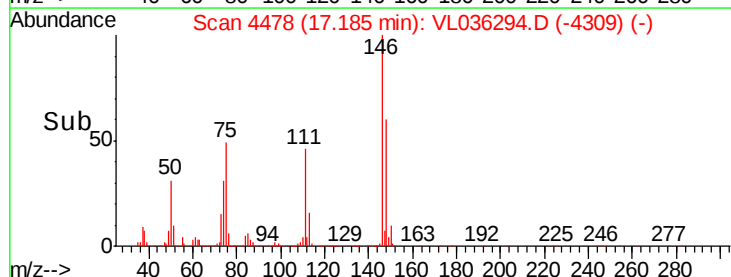
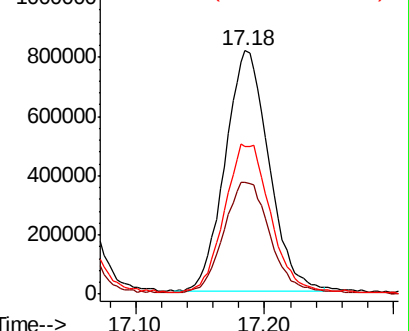
Ion	Ratio	Lower	Upper
146	100		
111	50.0	25.4	76.0
148	67.2	33.3	99.9

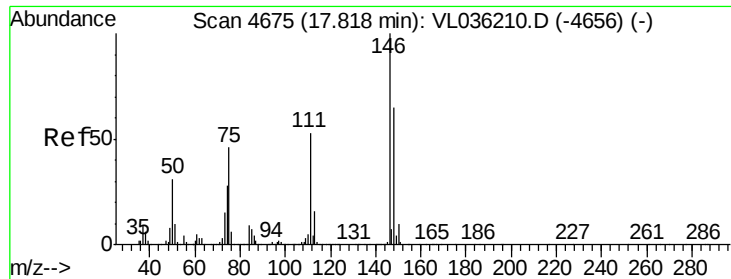


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

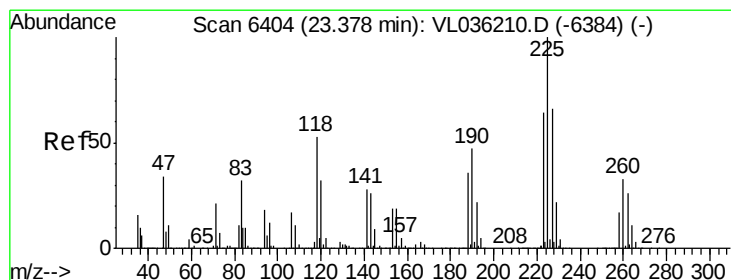
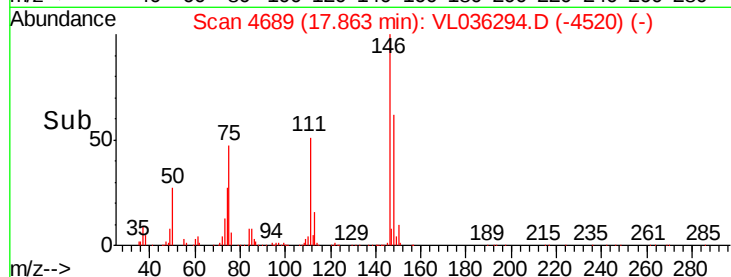
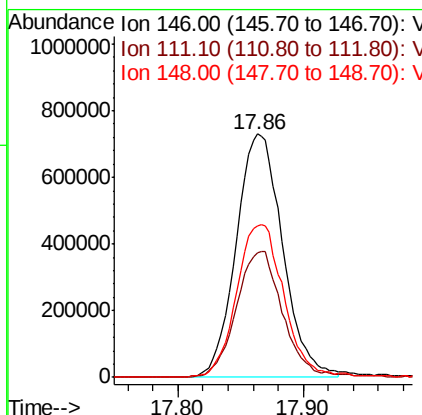
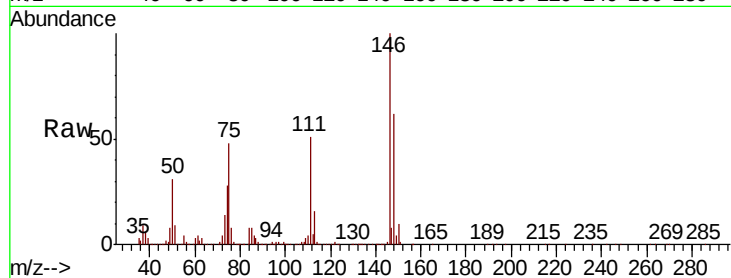




#77
 1,2-Dichlorobenzene
 Concen: 6.050 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

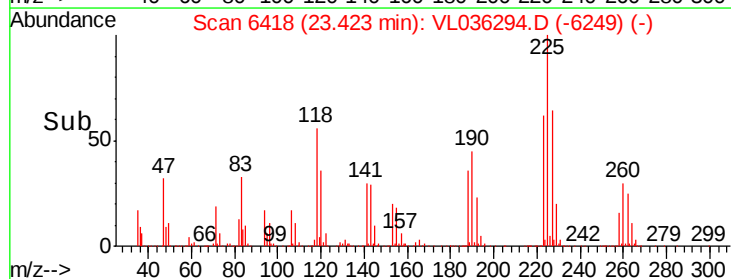
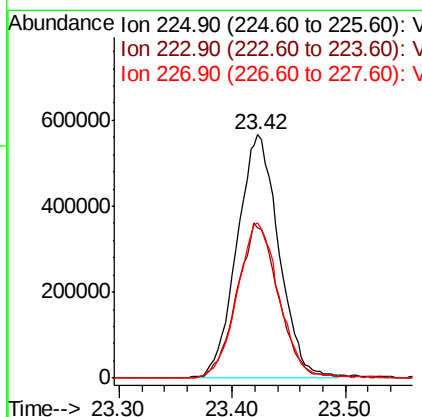
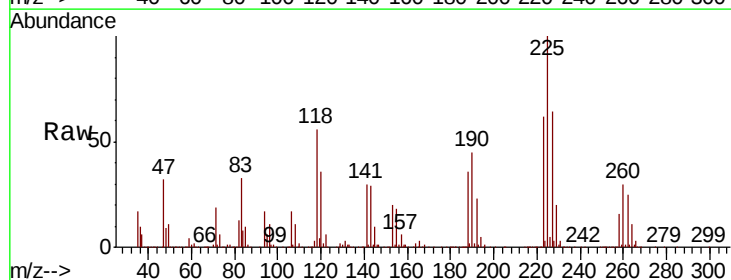
Instrument :
 MSVOA_L
 ClientSampled :

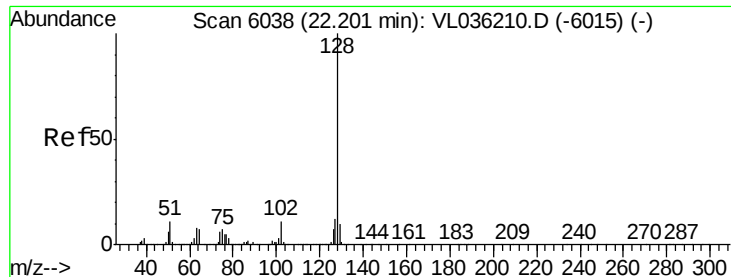
Tot Ion:146 Resp: 1864089
 Ion Ratio Lower Upper
 146 100
 111 52.6 26.5 79.4
 148 64.3 32.8 98.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.898 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.04 min
 Lab File: VL036294.D
 Acq: 3 Feb 2021 14:24

Tgt Ion:225 Resp: 1453327
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.5 75.7
 227 64.4 51.7 77.5





#79

Naphthalene

Concen: 7.883 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.05 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

ClientSampled :

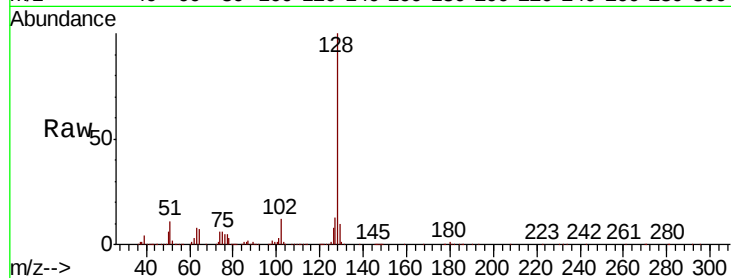
Tot Ion:128 Resp: 2710283

Ion Ratio Lower Upper

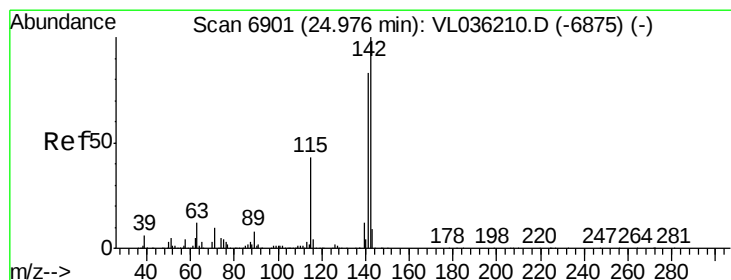
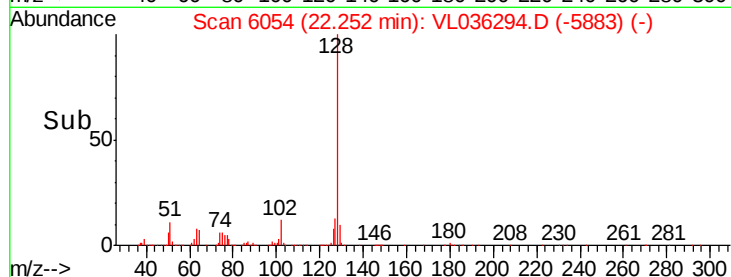
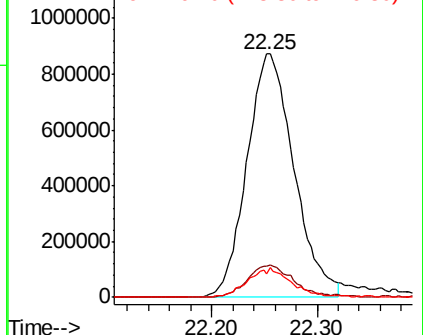
128 100

127 12.9 9.9 14.9

129 9.8 8.4 12.6



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: 11.780 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. 0.04 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

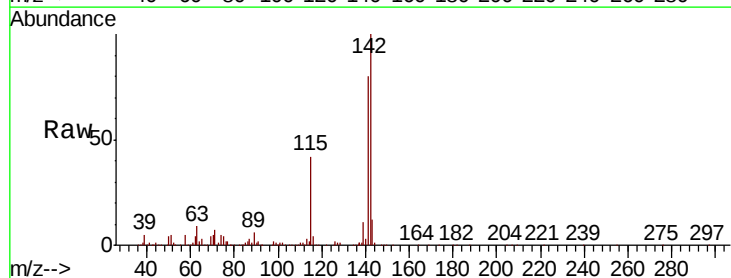
Tgt Ion:142 Resp: 864191

Ion Ratio Lower Upper

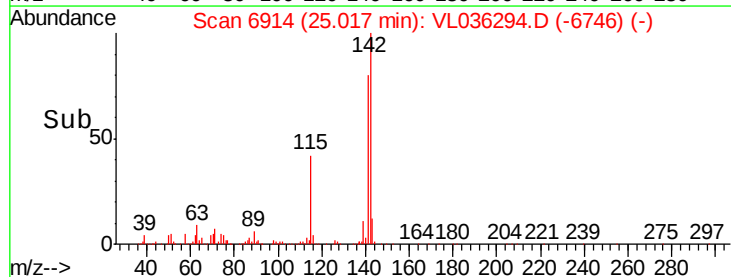
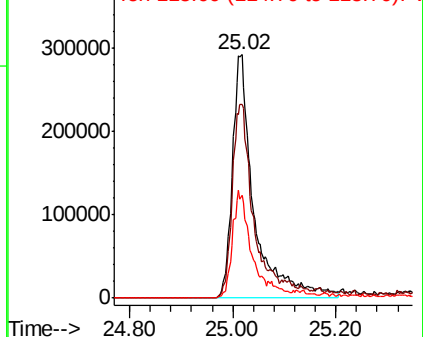
142 100

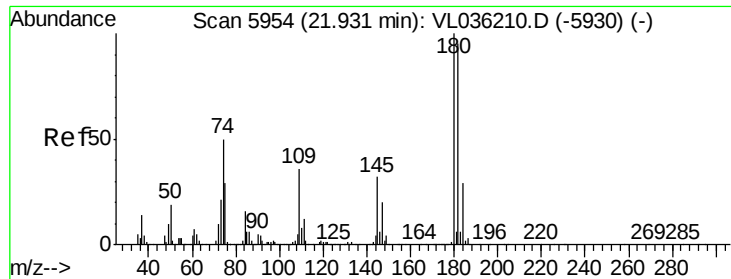
141 80.9 68.6 102.8

115 42.4 32.9 49.3



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: 7.195 ppbv

RT: 21.98 min Scan# 5969

Delta R.T. 0.05 min

Lab File: VL036294.D

Acq: 3 Feb 2021 14:24

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 1444173

Ion Ratio Lower Upper

180 100

182 102.3 79.9 119.9

184 33.2 25.6 38.4

