

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036538.D
 Acq On : 29 Mar 2021 13:12
 Operator : SY/AP
 Sample : VL0329ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 06:39:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1590776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3856836	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4503905	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3048638	8.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2465079	9.501	ppbv 97
3) Chlorodifluoromethane	2.98	51	2771287	9.324	ppbv 99
4) Chloromethane	3.14	50	995399	9.482	ppbv 96
5) Vinyl Chloride	3.25	62	989929	9.171	ppbv 96
6) Bromomethane	3.47	94	581413	9.783	ppbv 96
7) Chloroethane	3.56	64	361868	9.756	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	2381244	9.616	ppbv 99
9) Propene	3.01	41	917360	9.682	ppbv 99
10) Heptane	8.12	43	2379746	9.859	ppbv 99
11) Trichlorofluoromethane	3.95	101	2605053	9.852	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1645918	9.736	ppbv 97
13) Ethanol	3.60	45	92228	8.174	ppbv 99
14) Bromoethene	3.74	108	688676	9.799	ppbv 100
15) Acetone	3.85	43	1430672	9.138	ppbv 100
16) 1,3-Butadiene	3.32	39	1009258	9.259	ppbv 95
17) tert-Butyl alcohol	4.29	59	1230664	9.029	ppbv 99
18) 1,1-Dichloroethene	4.29	96	707163	9.404	ppbv 97
19) Isopropyl Alcohol	3.97	45	666075	7.734	ppbv 99
20) Methylene Chloride	4.34	84	607607	8.289	ppbv 95
21) Allyl Chloride	4.41	41	1227357	9.834	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	687740	9.865	ppbv 87
23) Vinyl Acetate	5.08	43	2661489	9.938	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1910969	9.789	ppbv 99
25) Ethyl Acetate	5.68	43	3521709	9.461	ppbv 100
26) Hexane	5.69	57	1682602	9.741	ppbv 99
27) Carbon Disulfide	4.55	76	1830275	10.756	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1987854	9.758	ppbv 99
29) Chloroform	5.75	83	2661559	9.634	ppbv 100
30) Cyclohexane	7.13	84	1406766	10.042	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	1652128	9.888	ppbv 95
32) 1,1,1-Trichloroethane	6.51	97	2651159	9.522	ppbv 98
34) 2-Butanone	5.24	43	1790336	9.510	ppbv 99
35) Carbon Tetrachloride	7.02	117	2790184	9.419	ppbv 96
36) Benzene	6.89	78	3423233	9.624	ppbv 98
37) 1,2-Dichloroethane	6.31	62	2002526	9.565	ppbv 99
38) Trichloroethene	7.83	130	1210690	8.746	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1379136	9.558	ppbv 97
40) 1,4-Dioxane	7.83	88	277588	8.266	ppbv # 1
41) Tetrahydrofuran	6.05	42	843992	9.723	ppbv 99
42) Bromodichloromethane	7.79	83	2868238	10.072	ppbv 99
43) Methyl Methacrylate	8.01	69	1256260	10.518	ppbv 99

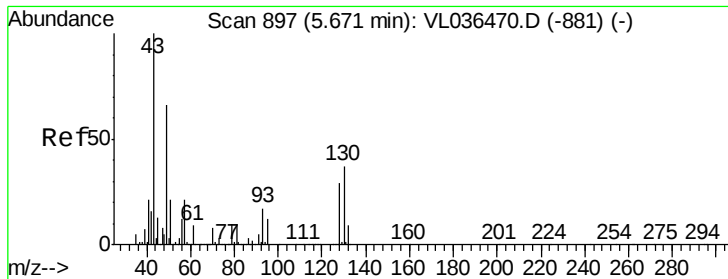
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036538.D
 Acq On : 29 Mar 2021 13:12
 Operator : SY/AP
 Sample : VL0329ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 06:39:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5825497	9.305	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1516100	11.116	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1880854	10.788	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1402122	9.594	ppbv	98
48) Dibromochloromethane	10.30	129	2318430	10.406	ppbv	100
49) Bromoform	13.04	173	1896963	10.567	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2745349	10.078	ppbv	100
51) 2-Hexanone	10.14	43	1514575	11.018	ppbv #	99
52) Tetrachloroethene	11.23	164	1154264	8.812	ppbv	98
53) Toluene	9.81	91	3852434	10.170	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2029909	9.835	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1551535	7.616	ppbv	99
57) Chlorobenzene	12.15	112	2827844	7.379	ppbv	99
58) Ethyl Benzene	12.71	91	5191875	7.923	ppbv	100
59) m/p-Xylene	13.00	91	4419988	7.734	ppbv #	33
60) o-Xylene	13.70	91	4165416	7.538	ppbv	100
61) Styrene	13.53	104	2455813	8.833	ppbv	100
62) Isopropylbenzene	14.67	105	5554398	7.464	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3007028	7.133	ppbv	100
64) n-propylbenzene	15.56	120	1472262	8.092	ppbv	99
65) tert-Butylbenzene	16.75	119	4797544	7.435	ppbv	99
66) Benzyl Chloride	16.99	91	701050	9.829	ppbv	99
67) sec-Butylbenzene	17.30	105	6745477	7.405	ppbv	100
69) p-Isopropyltoluene	17.66	119	5564026	7.822	ppbv	100
70) n-Butylbenzene	18.55	91	5745721	7.791	ppbv	100
71) 2-Chlorotoluene	15.46	91	4327905	7.761	ppbv	100
72) 4-Ethyltoluene	15.84	105	4832140	7.980	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4368433	7.729	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	4503771	7.447	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2556861	7.511	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2469237	7.305	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2449598	7.655	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1856584	6.478	ppbv	99
79) Naphthalene	22.20	128	3143656	8.908	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	645308	9.272	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	1803484	8.277	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampled :

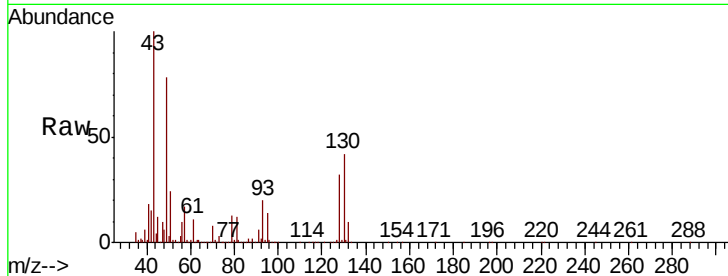
Tot Ion: 49 Resp: 1590776

Ion Ratio Lower Upper

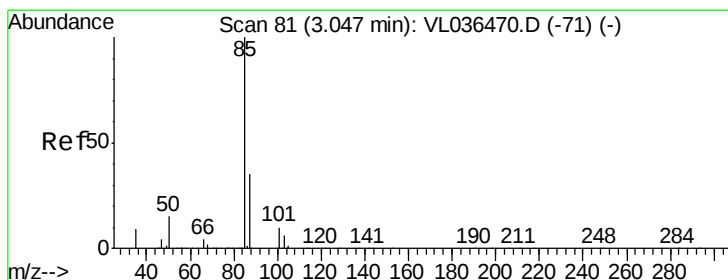
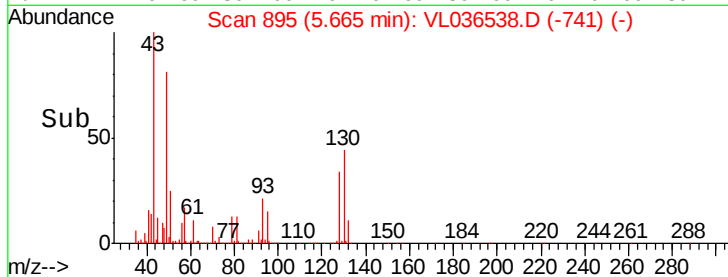
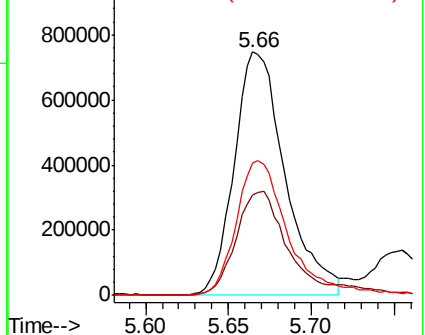
49 100

128 46.7 23.5 70.6

130 58.0 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0
1000000 Ion 128.00 (127.70 to 128.70): V
800000 Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.501 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036538.D

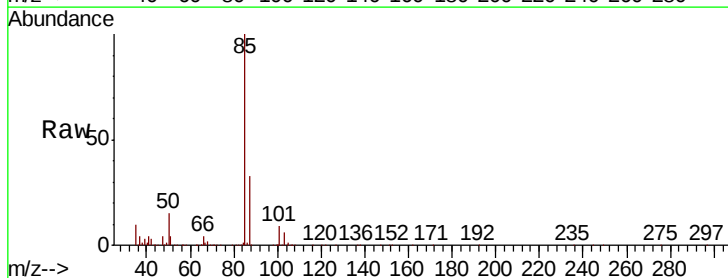
Acq: 29 Mar 2021 13:12

Tgt Ion: 85 Resp: 2465079

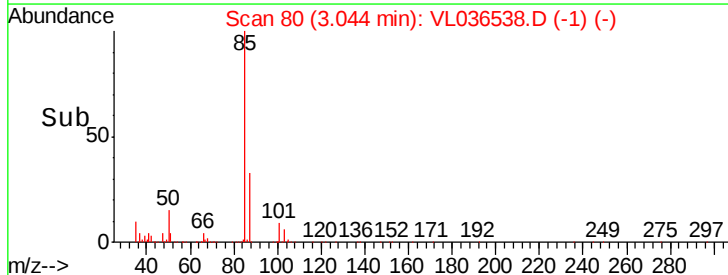
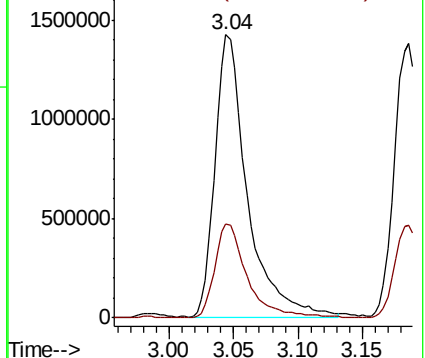
Ion Ratio Lower Upper

85 100

87 33.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
1500000 Ion 87.00 (86.70 to 87.70): VL0

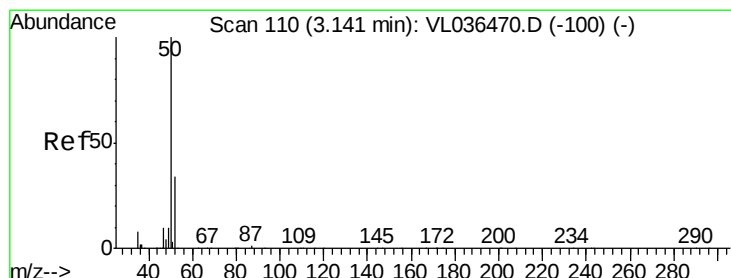
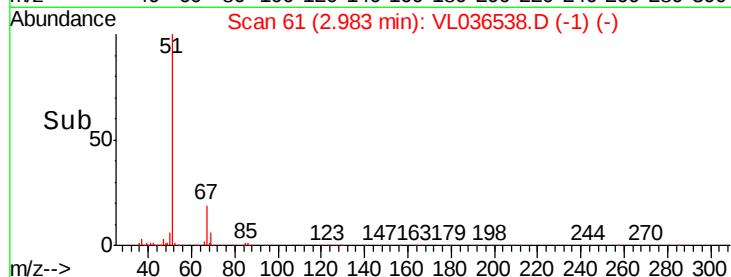
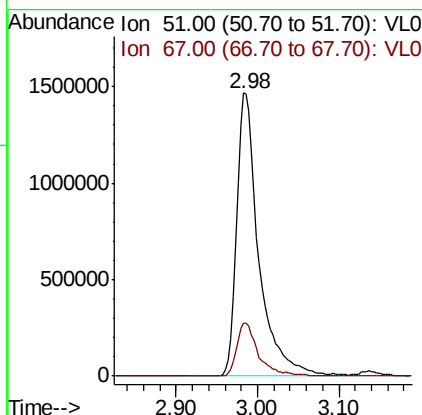
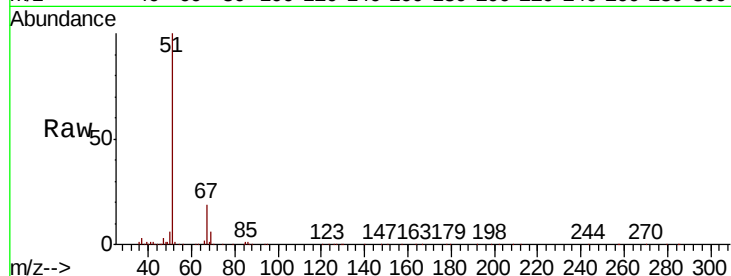




#3
 Chlorodifluoromethane
 Concen: 9.324 ppbv
 RT: 2.98 min Scan# 61
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

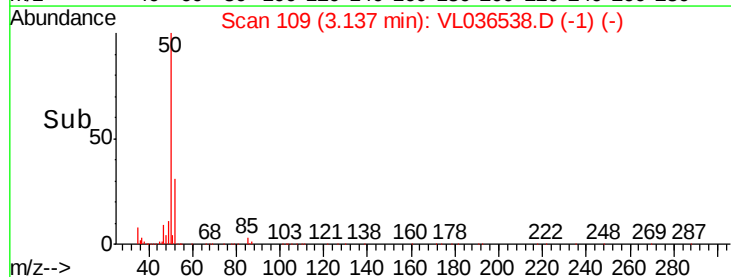
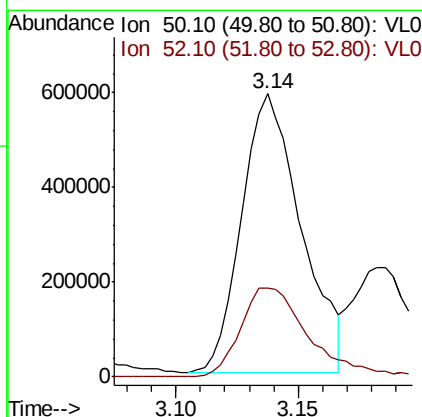
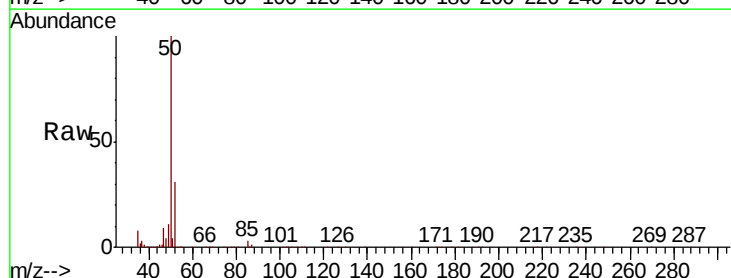
Instrument :
 MSVOA_L
 ClientSampleId :

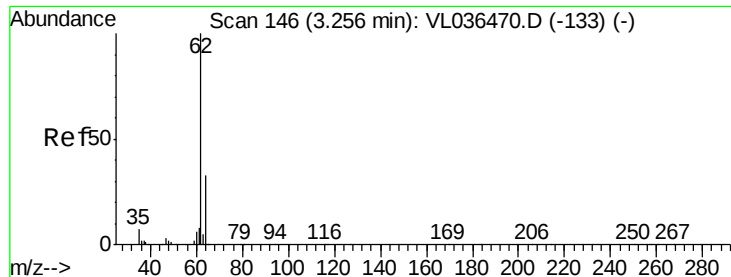
Tot Ion: 51 Resp: 2771287
 Ion Ratio Lower Upper
 51 100
 67 18.8 14.7 22.1



#4
 Chloromethane
 Concen: 9.482 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion: 50 Resp: 995399
 Ion Ratio Lower Upper
 50 100
 52 31.5 27.0 40.6





#5

Vinyl Chloride

Concen: 9.171 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

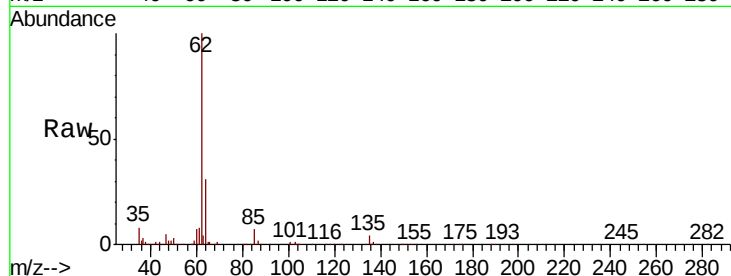
ClientSampleId :

Tot Ion: 62 Resp: 989929

Ion Ratio Lower Upper

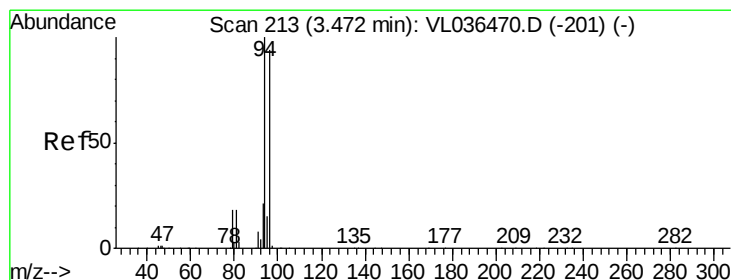
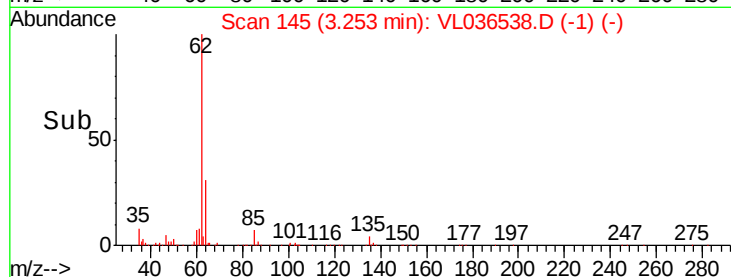
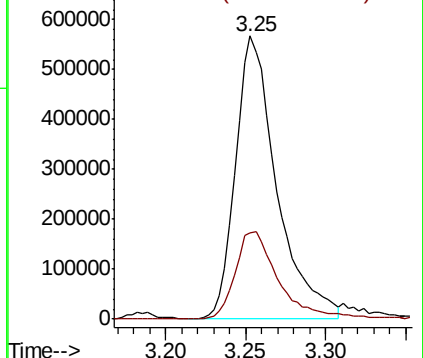
62 100

64 30.7 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.783 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL036538.D

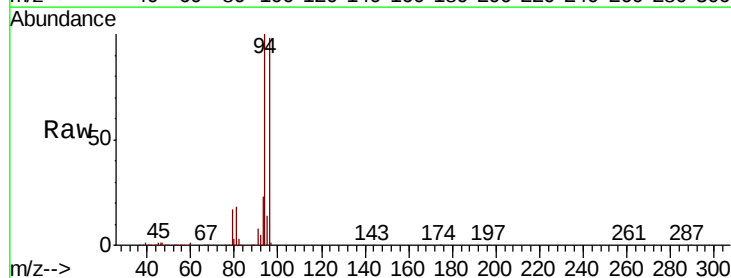
Acq: 29 Mar 2021 13:12

Tgt Ion: 94 Resp: 581413

Ion Ratio Lower Upper

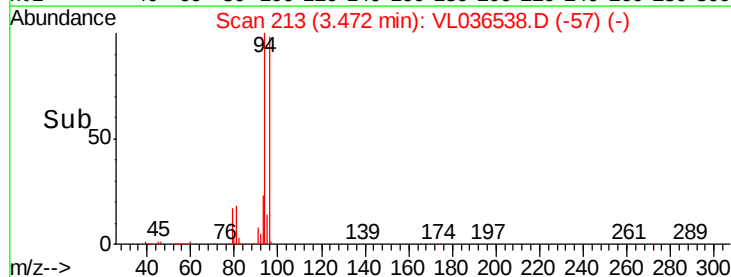
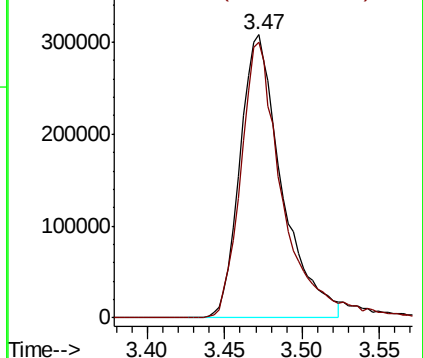
94 100

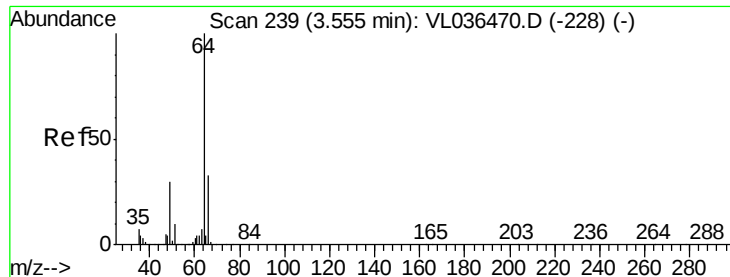
96 97.6 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.756 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

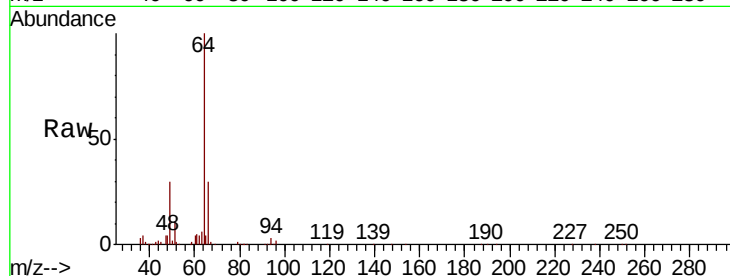
ClientSampleId :

Tot Ion: 64 Resp: 361868

Ion Ratio Lower Upper

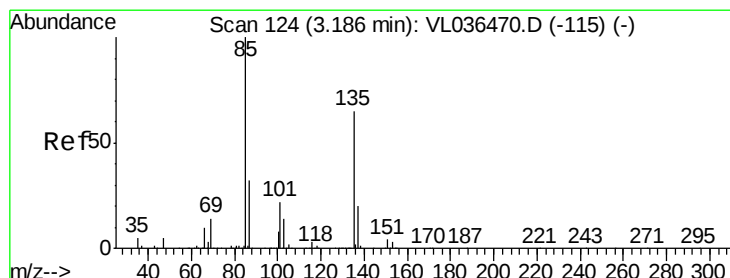
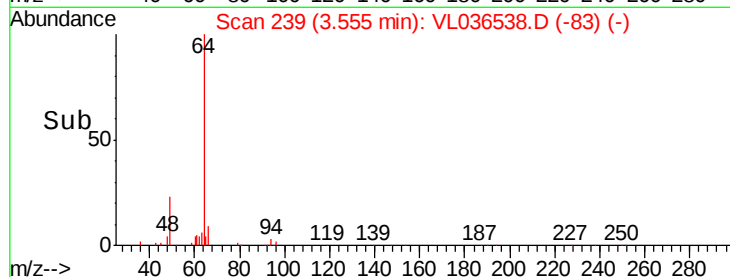
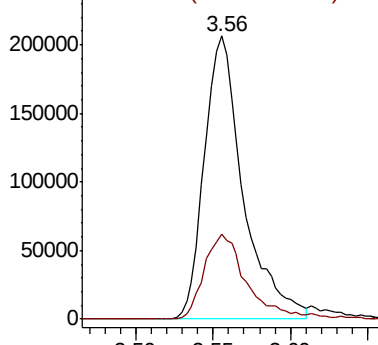
64 100

66 30.1 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.616 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL036538.D

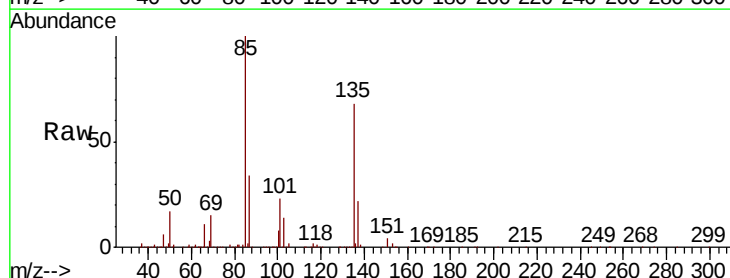
Acq: 29 Mar 2021 13:12

Tgt Ion: 85 Resp: 2381244

Ion Ratio Lower Upper

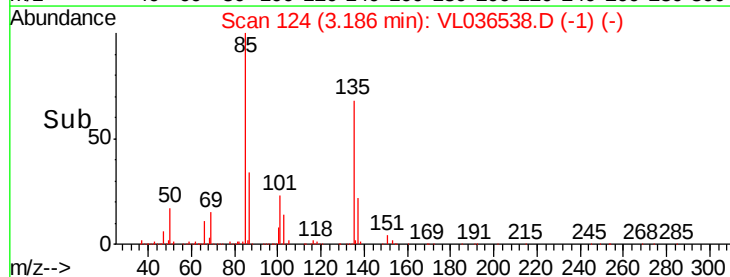
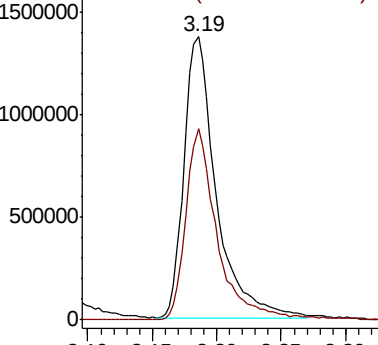
85 100

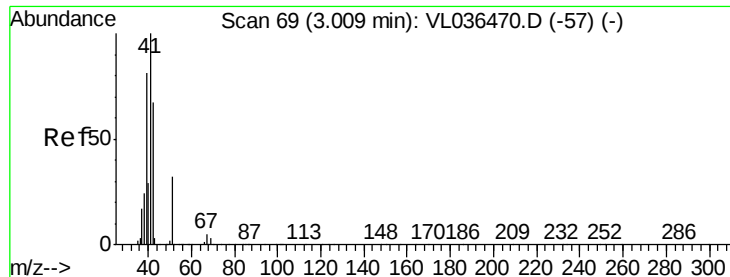
135 67.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.682 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

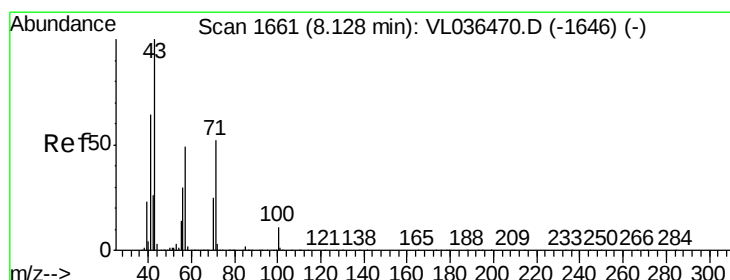
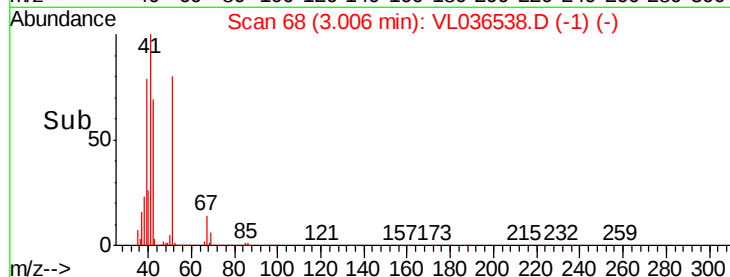
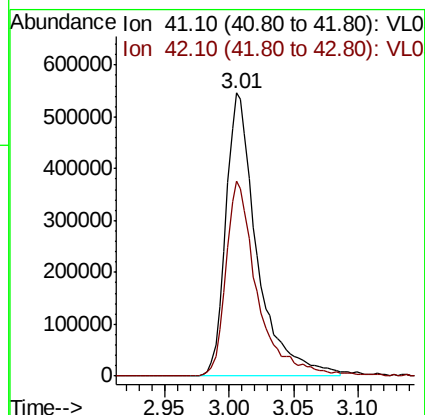
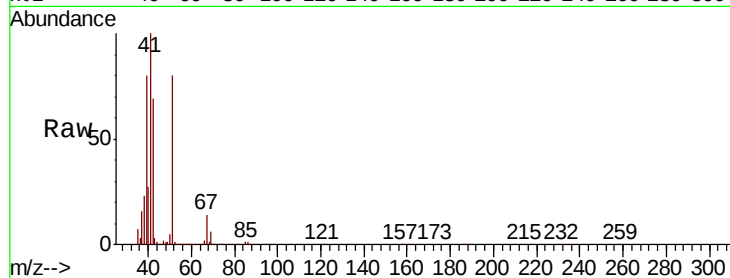
ClientSampleId :

Tot Ion: 41 Resp: 917360

Ion Ratio Lower Upper

41 100

42 70.0 57.0 85.4



#10

Heptane

Concen: 9.859 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL036538.D

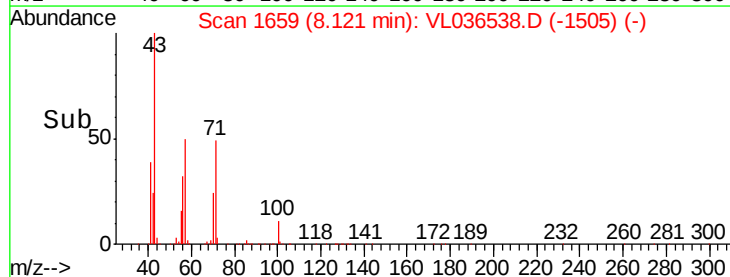
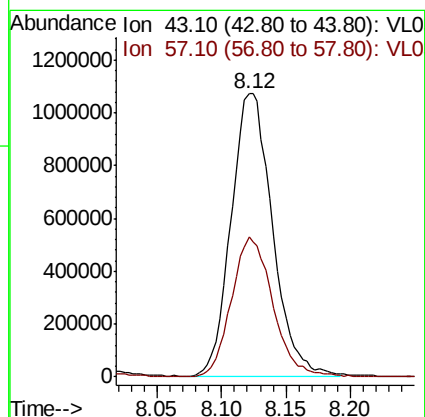
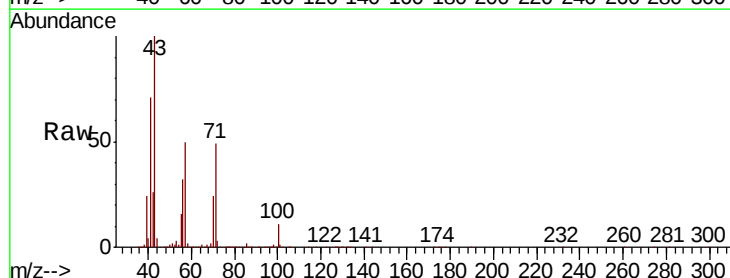
Acq: 29 Mar 2021 13:12

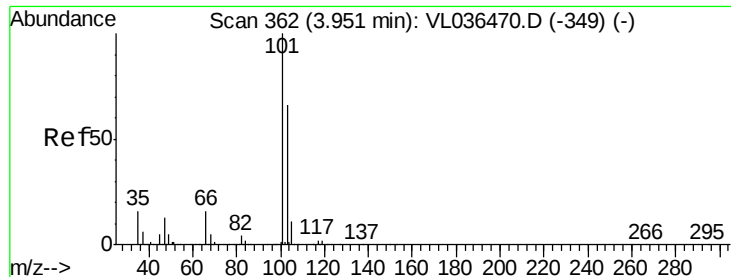
Tgt Ion: 43 Resp: 2379746

Ion Ratio Lower Upper

43 100

57 49.8 39.0 58.6





#11

Trichlorofluoromethane

Concen: 9.852 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

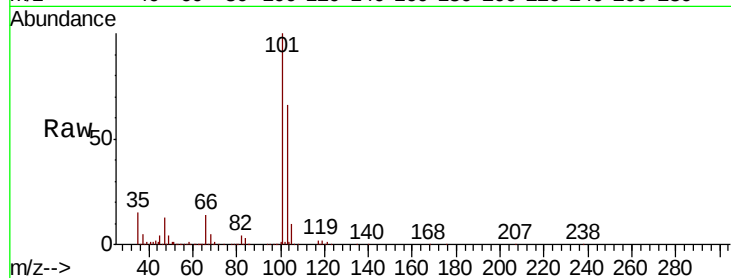
ClientSampleId :

Tot Ion:101 Resp: 2605053

Ion Ratio Lower Upper

101 100

103 66.4 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.95

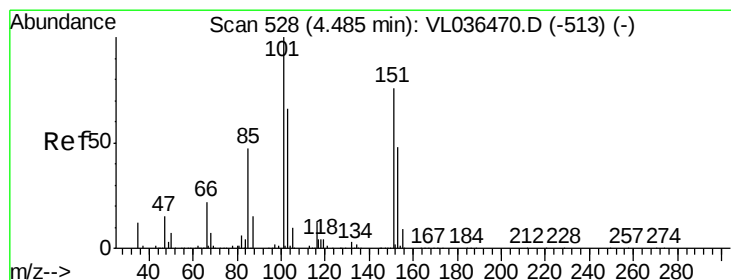
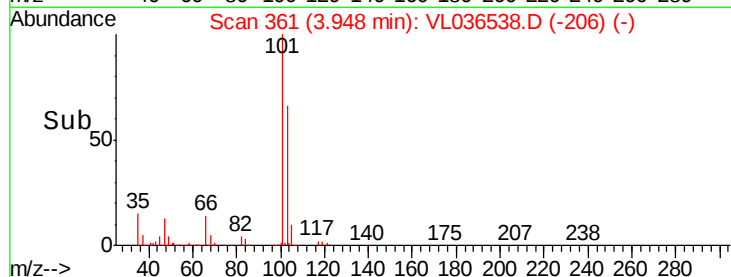
1500000

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.736 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL036538.D

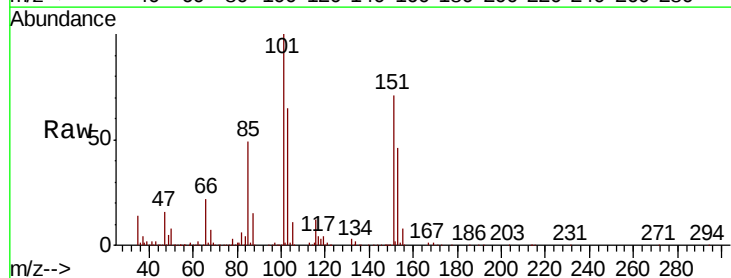
Acq: 29 Mar 2021 13:12

Tgt Ion:101 Resp: 1645918

Ion Ratio Lower Upper

101 100

151 73.9 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.48

800000

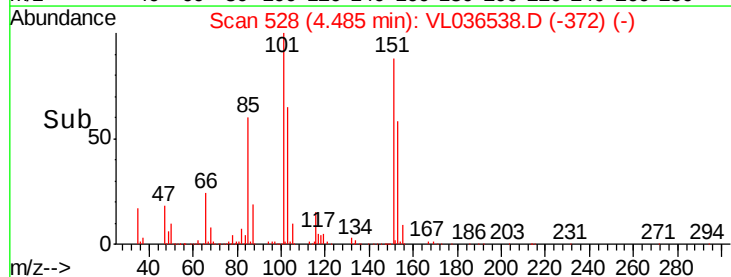
600000

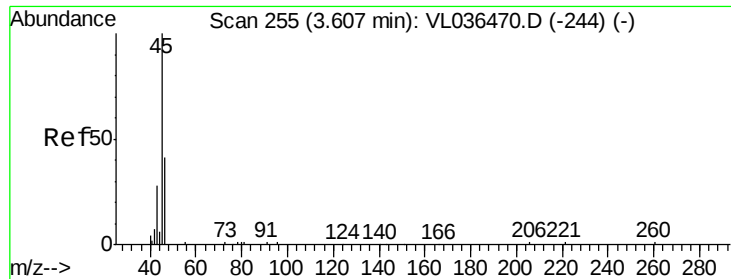
400000

200000

0

Time-->





#13

Ethanol

Concen: 8.174 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

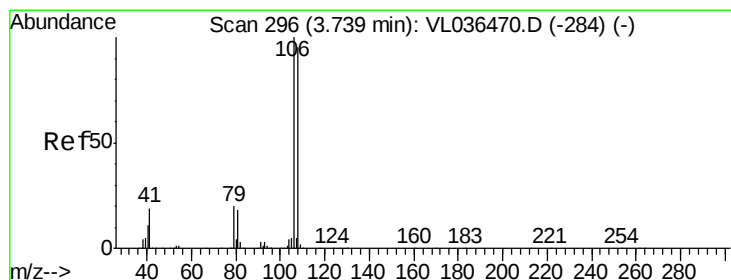
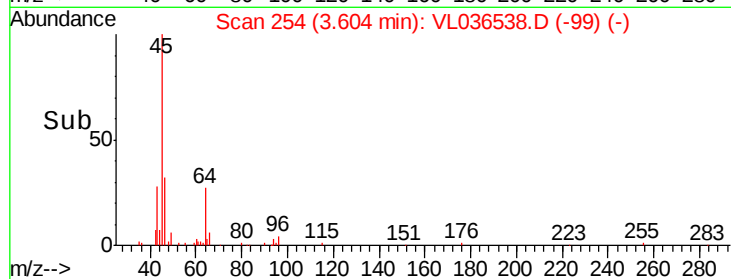
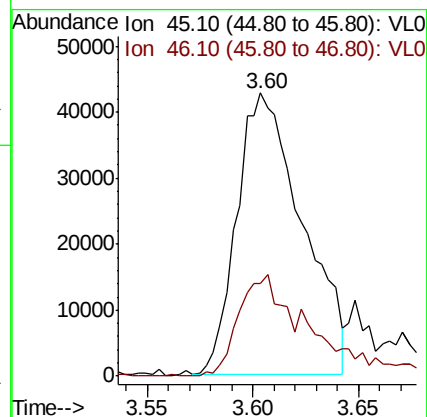
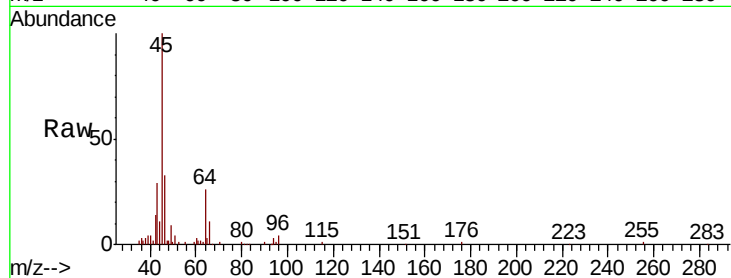
ClientSampleId :

Tot Ion: 45 Resp: 92228

Ion Ratio Lower Upper

45 100

46 42.2 16.6 66.2



#14

Bromoethene

Concen: 9.799 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

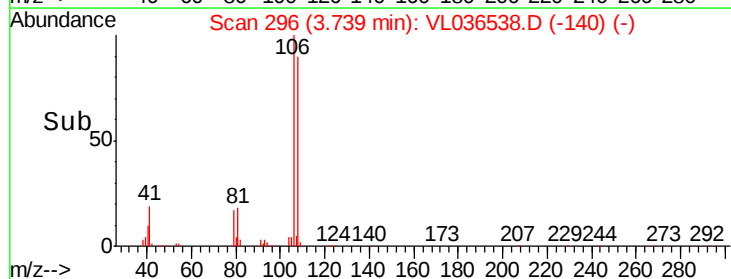
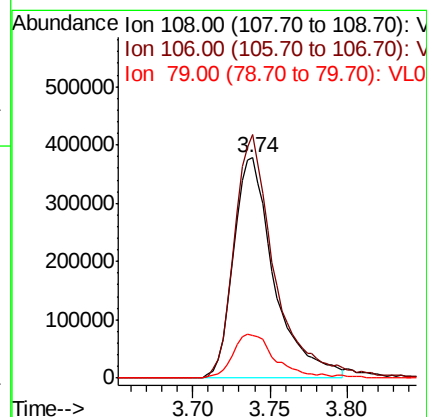
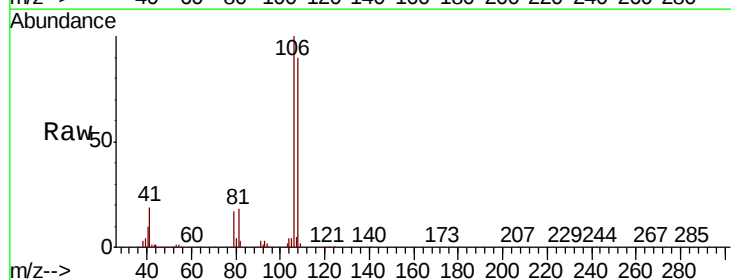
Tgt Ion: 108 Resp: 688676

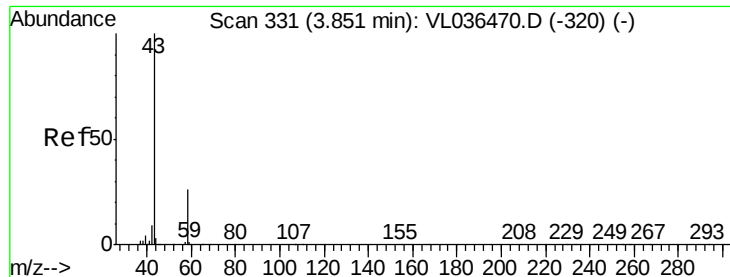
Ion Ratio Lower Upper

108 100

106 111.4 89.0 133.6

79 21.7 16.6 25.0





#15

Acetone

Concen: 9.138 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

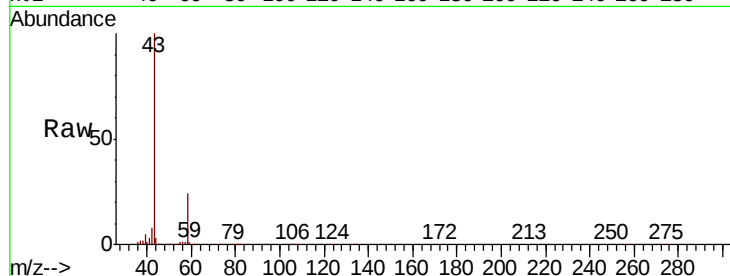
ClientSampleId :

Tot Ion: 43 Resp: 1430672

Ion Ratio Lower Upper

43 100

58 26.7 21.2 31.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

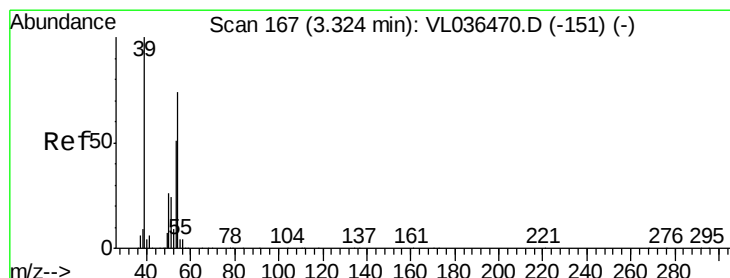
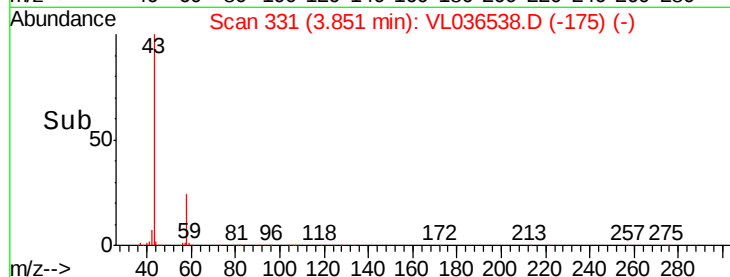
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.259 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL036538.D

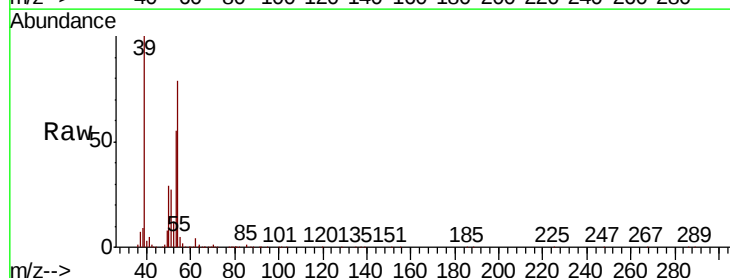
Acq: 29 Mar 2021 13:12

Tgt Ion: 39 Resp: 1009258

Ion Ratio Lower Upper

39 100

54 77.5 58.8 88.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

600000

500000

400000

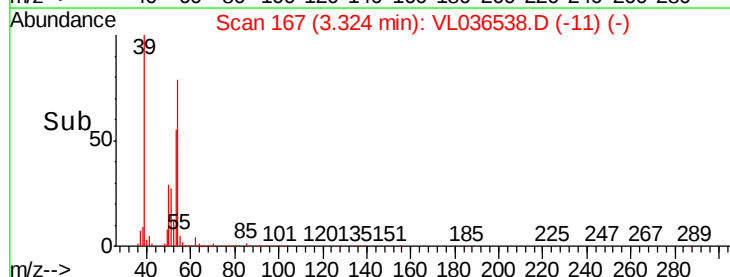
300000

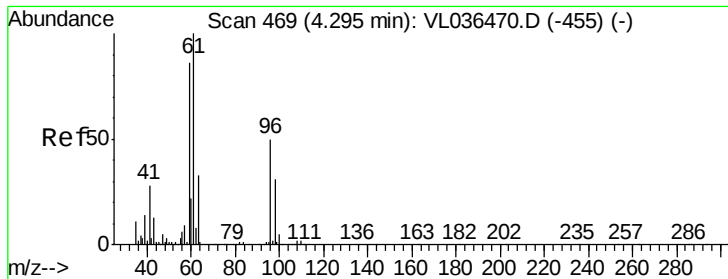
200000

100000

0

Time-->



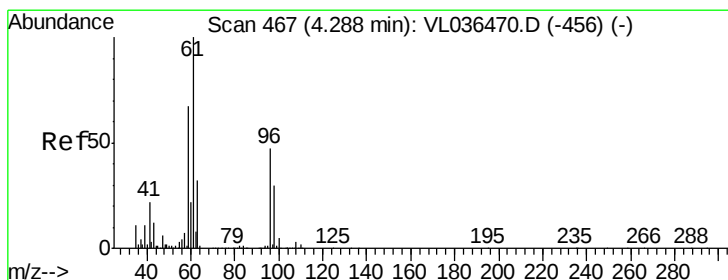
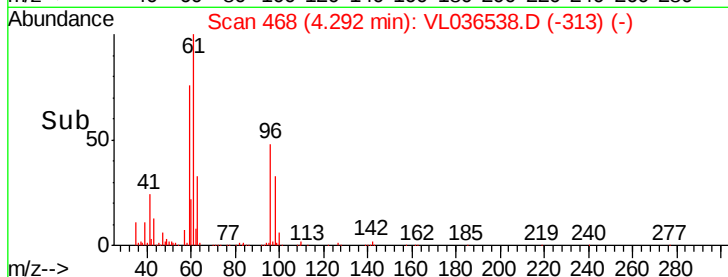
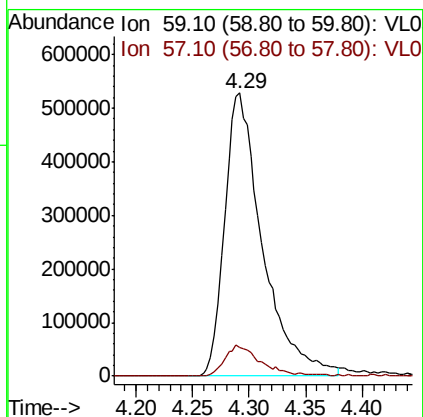
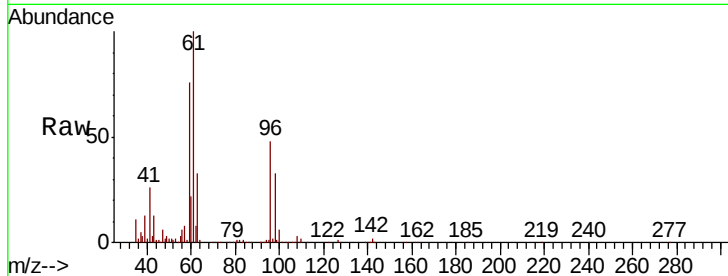


#17

tert-Butyl alcohol
Concen: 9.029 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :

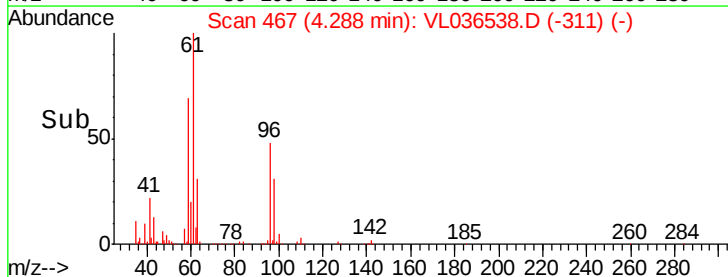
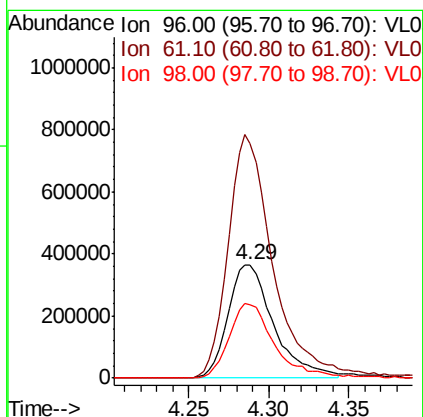
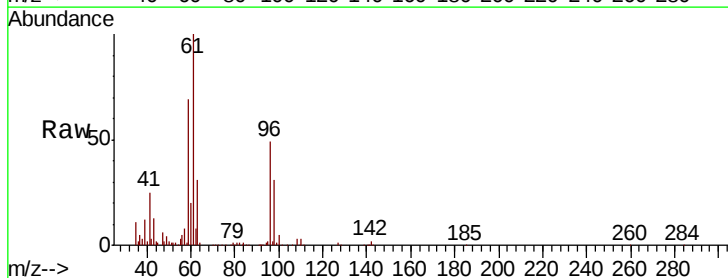
Tot Ion: 59 Resp: 1230664
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8

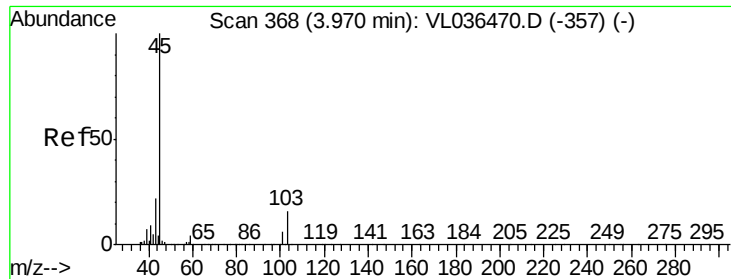


#18

1,1-Dichloroethene
Concen: 9.404 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 96 Resp: 707163
Ion Ratio Lower Upper
96 100
61 206.0 168.6 253.0
98 64.5 50.8 76.2





#19

Isopropyl Alcohol

Concen: 7.734 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

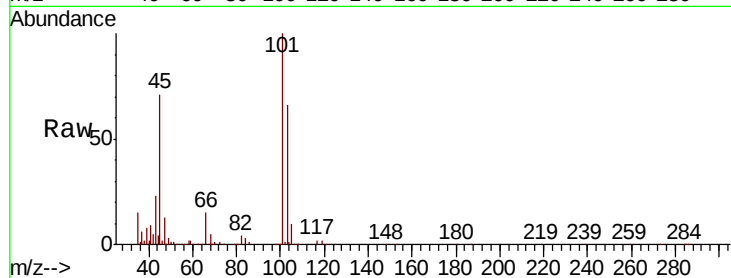
ClientSampleId :

Tot Ion: 45 Resp: 666075

Ion Ratio Lower Upper

45 100

58 4.0 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

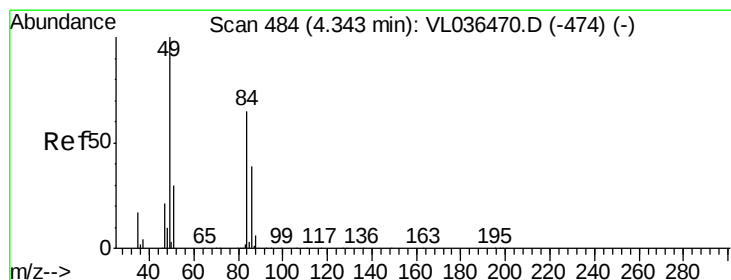
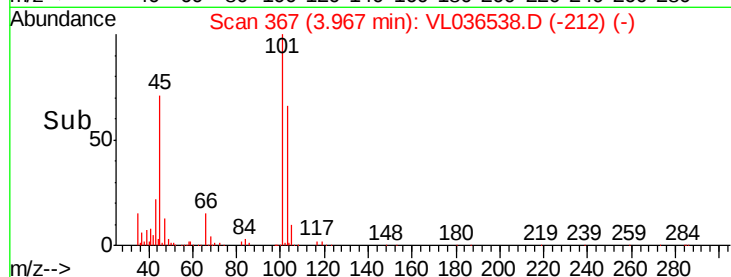
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.289 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Tgt Ion: 84 Resp: 607607

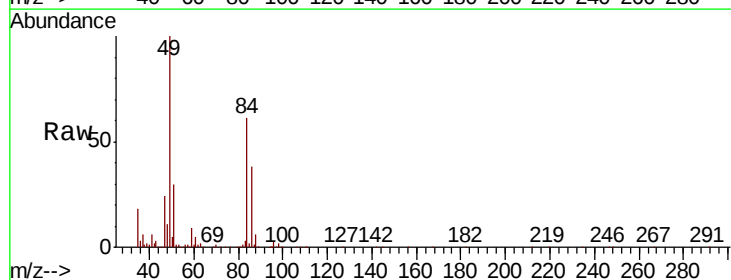
Ion Ratio Lower Upper

84 100

49 161.5 122.9 184.3

51 47.9 36.9 55.3

86 63.0 48.2 72.4



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

800000

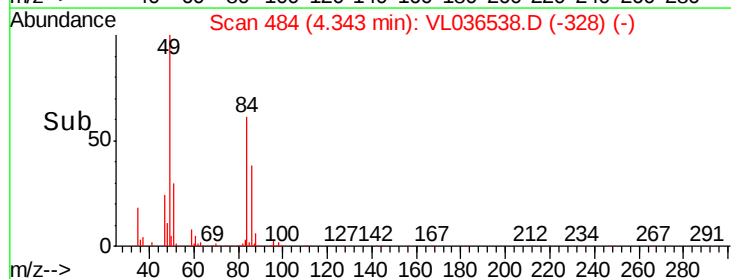
600000

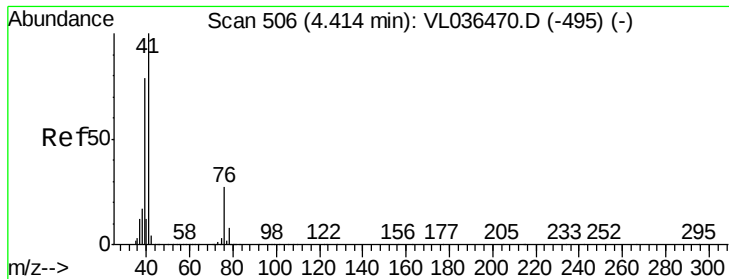
400000

200000

0

Time-->

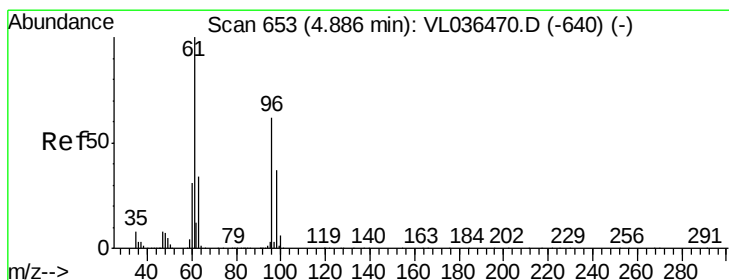
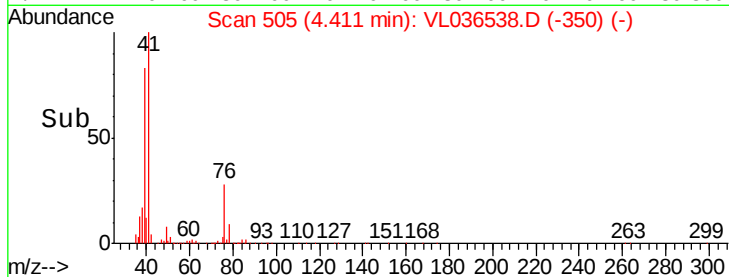
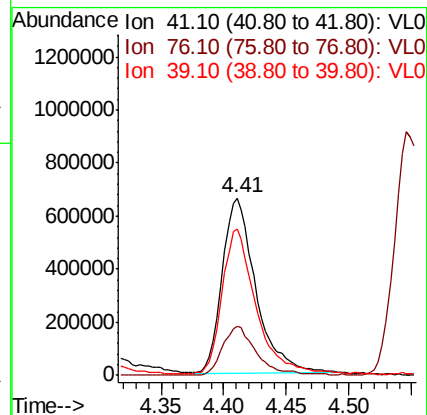
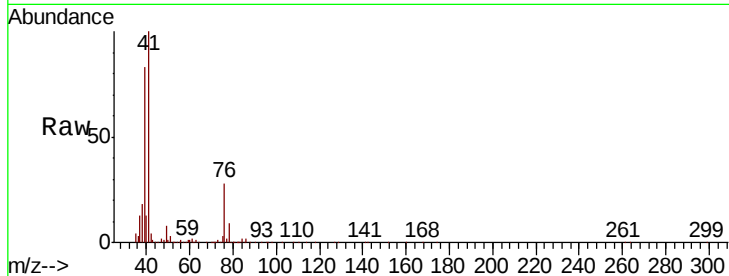




#21
Allvl Chloride
Concen: 9.834 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

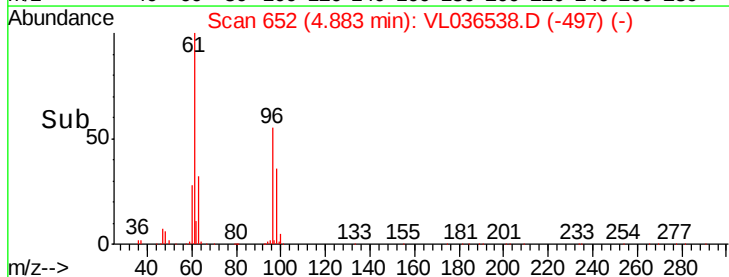
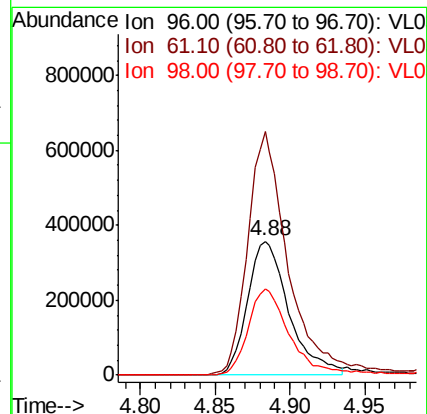
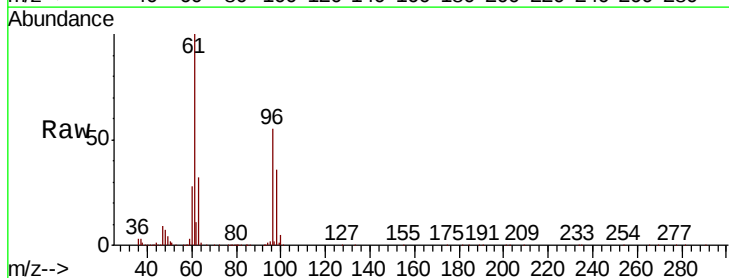
Instrument :
MSVOA_L
ClientSampleId :

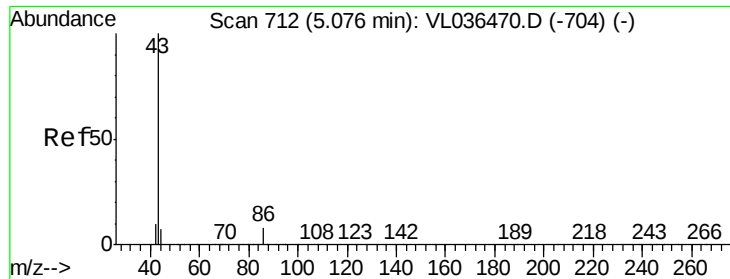
Tot Ion: 41 Resp: 1227357
Ion Ratio Lower Upper
41 100
76 28.4 22.9 34.3
39 87.1 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 9.865 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 96 Resp: 687740
Ion Ratio Lower Upper
96 100
61 182.3 129.4 194.0
98 64.8 48.2 72.4



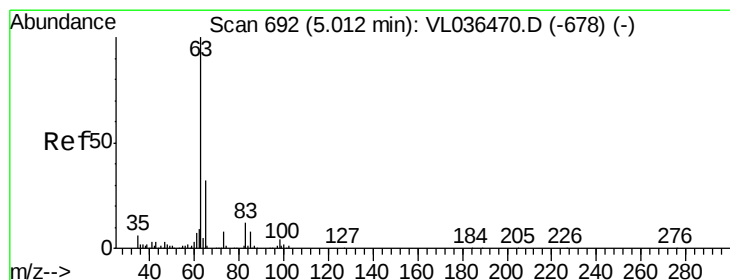
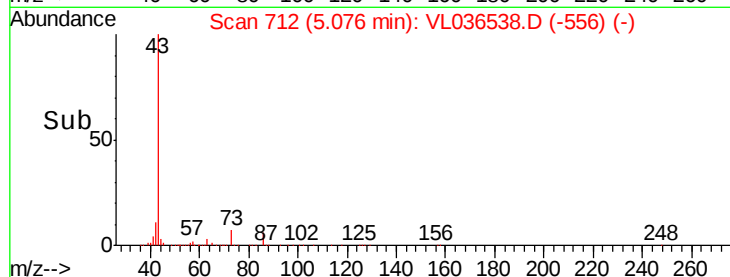
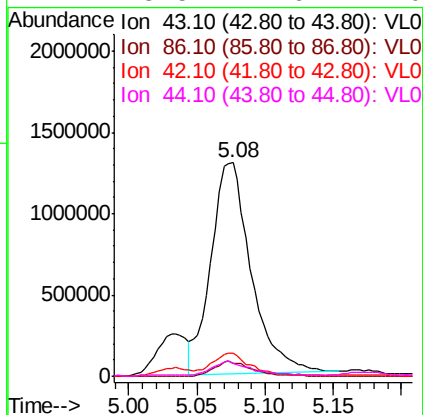
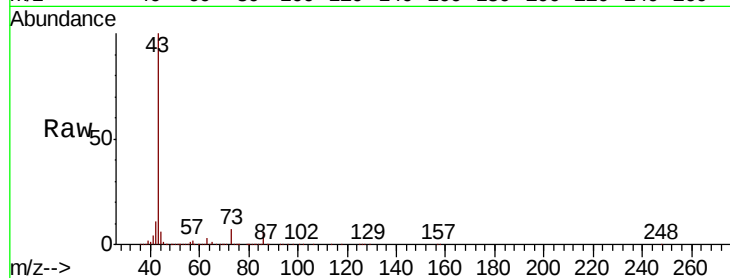


#23
 Vinyl Acetate
 Concen: 9.938 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2661489

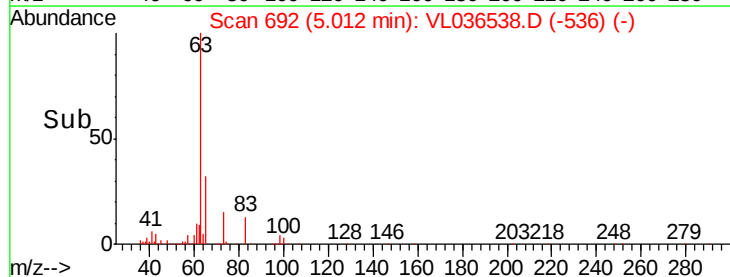
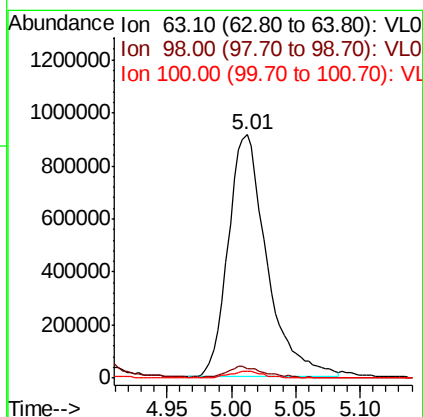
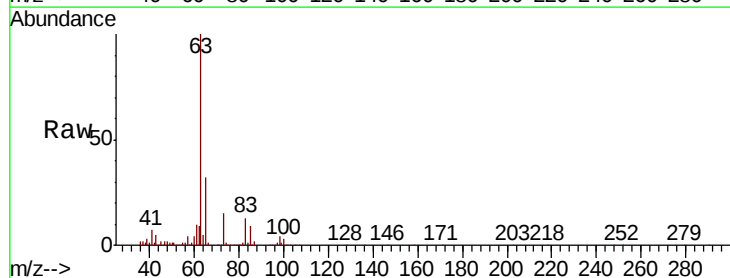
Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.4	8.0
42	10.2	8.5	12.7
44	5.5	4.6	7.0

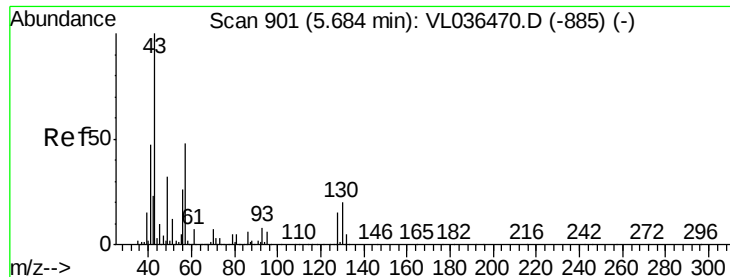


#24
 1,1-Dichloroethane
 Concen: 9.789 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion: 63 Resp: 1910969

Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.1	6.2
100	2.7	0.9	2.8



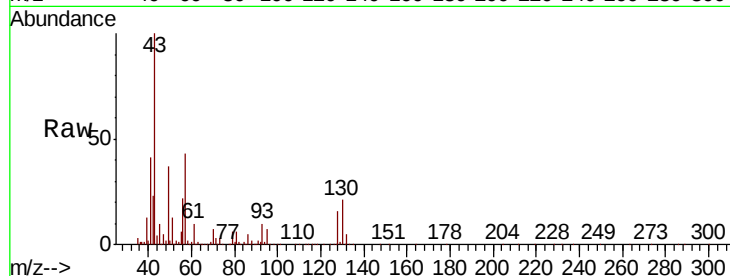


#25
Ethyl Acetate
Concen: 9.461 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleID :

Tot Ion: 43 Resp: 3521709

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.2	7.4	11.2
70	6.6	5.1	7.7



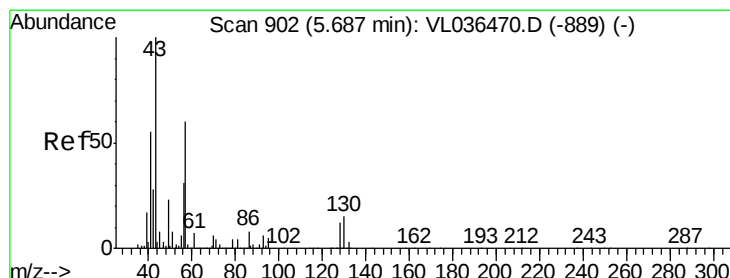
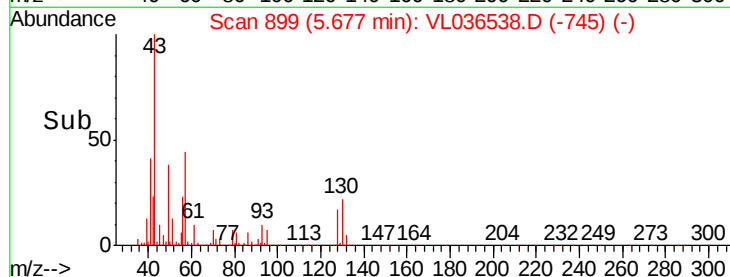
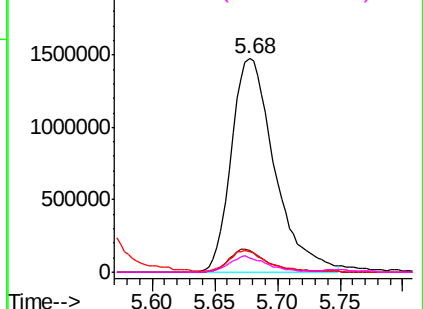
Abundance

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

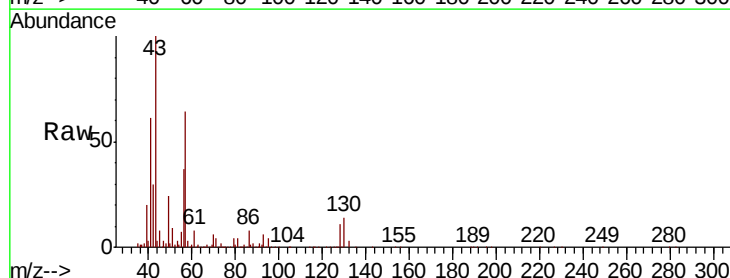
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.741 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 57 Resp: 1682602

Ion	Ratio	Lower	Upper
57	100		
41	97.6	77.2	115.8
43	214.5	173.8	260.6
56	55.1	43.8	65.6



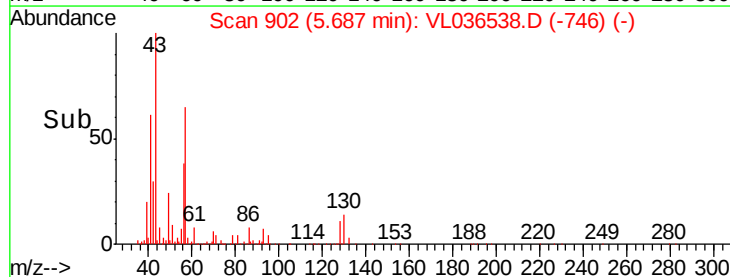
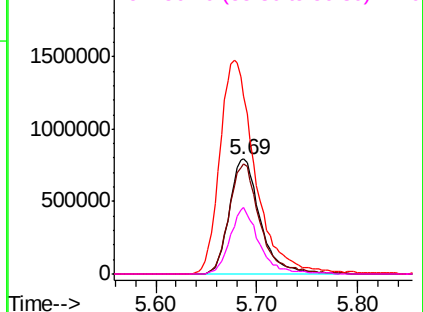
Abundance

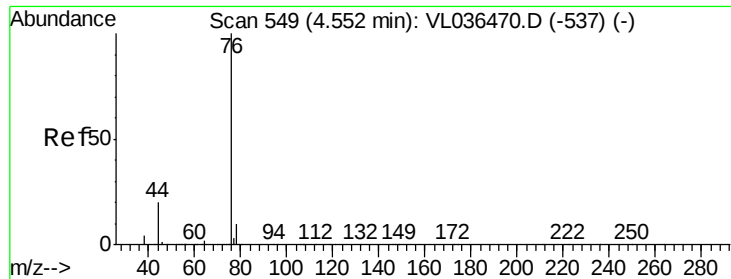
Ion 57.10 (56.80 to 57.80): VL0

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: 10.756 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

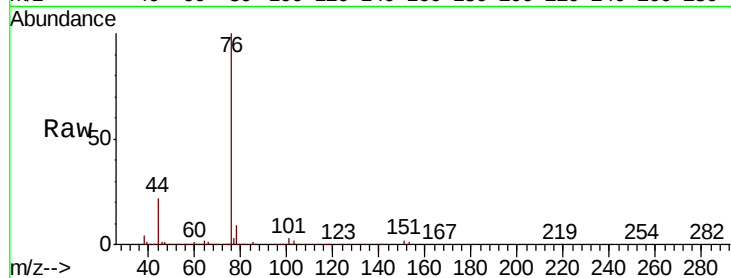
Tot Ion: 76 Resp: 1830275

Ion Ratio Lower Upper

76 100

44 21.4 17.5 26.3

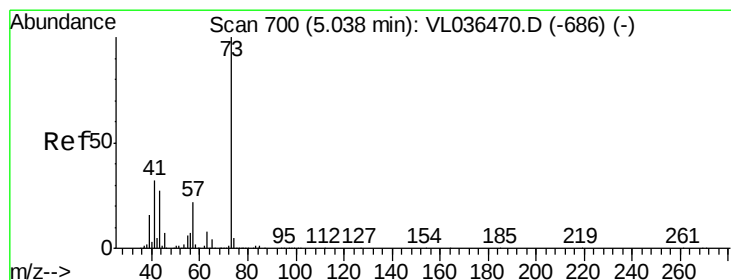
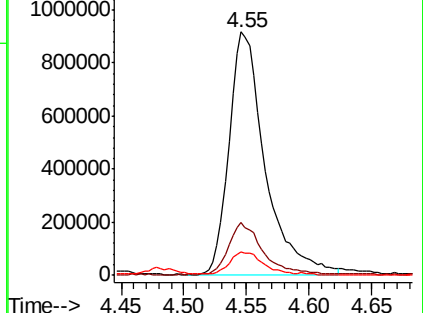
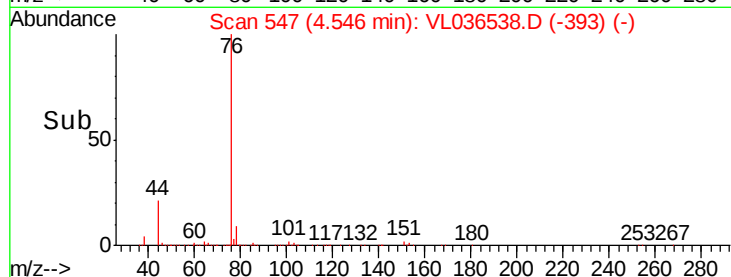
78 9.7 8.6 13.0



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: 9.758 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL036538.D

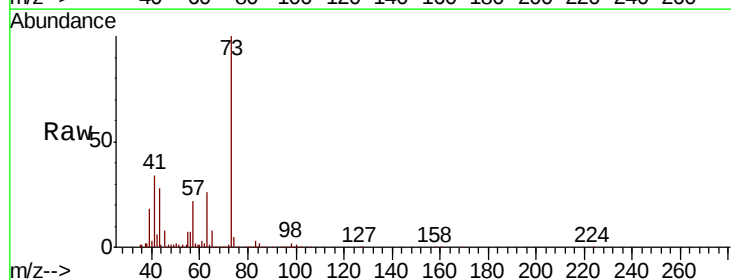
Acq: 29 Mar 2021 13:12

Tgt Ion: 73 Resp: 1987854

Ion Ratio Lower Upper

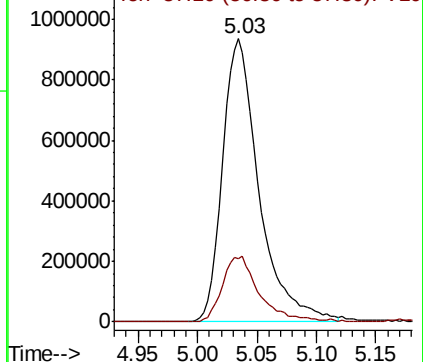
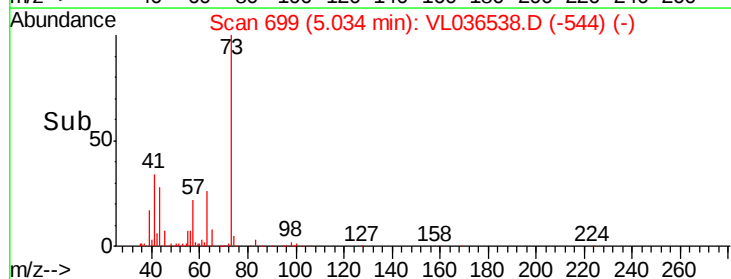
73 100

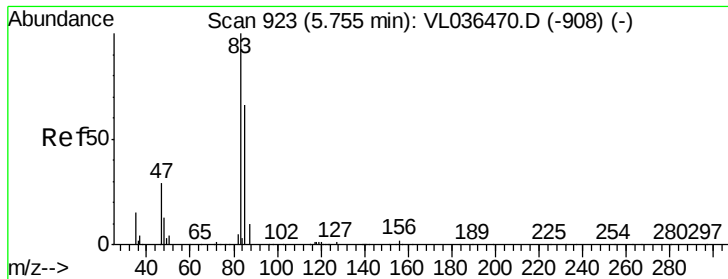
57 23.8 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

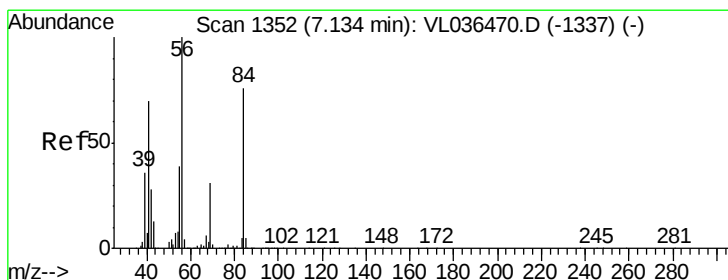
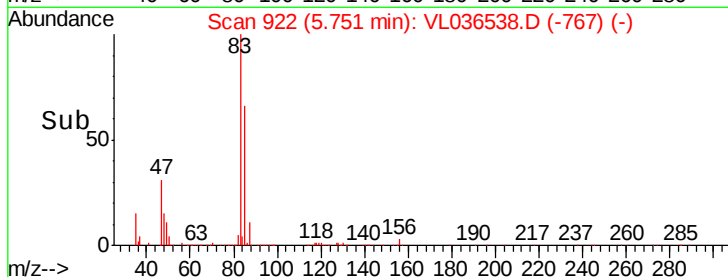
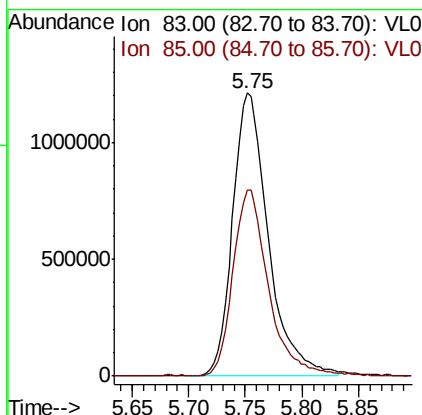
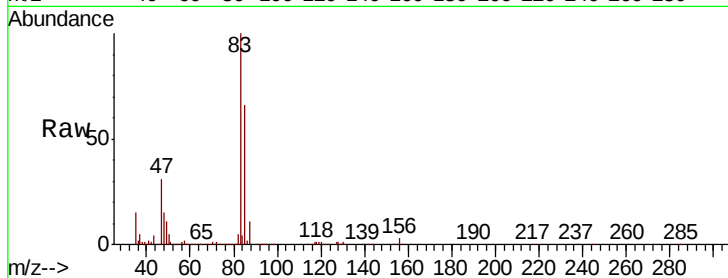




#29
Chloroform
Concen: 9.634 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

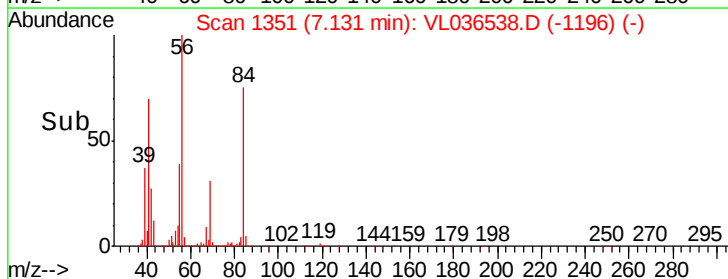
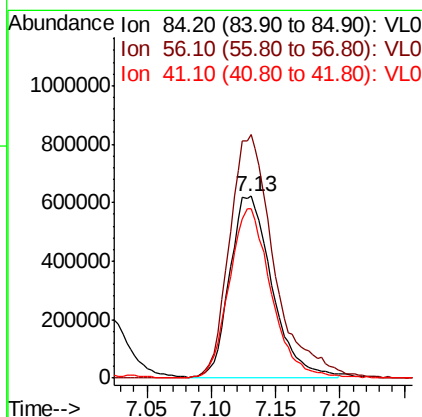
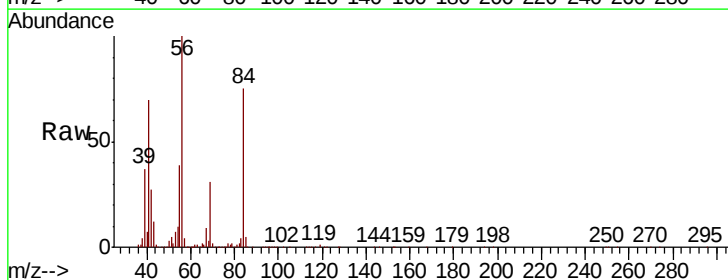
Instrument :
MSVOA_L
ClientSampleId :

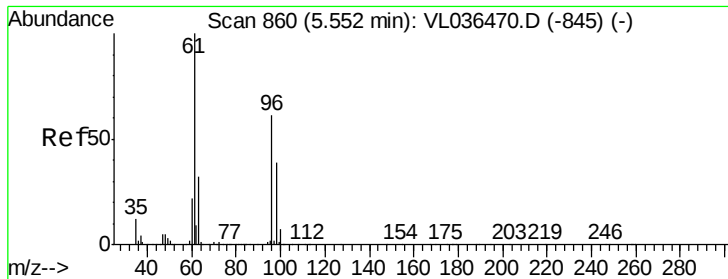
Tot Ion: 83 Resp: 2661559
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8



#30
Cyclohexane
Concen: 10.042 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 84 Resp: 1406766
Ion Ratio Lower Upper
84 100
56 143.4 114.6 171.8
41 93.9 75.3 112.9



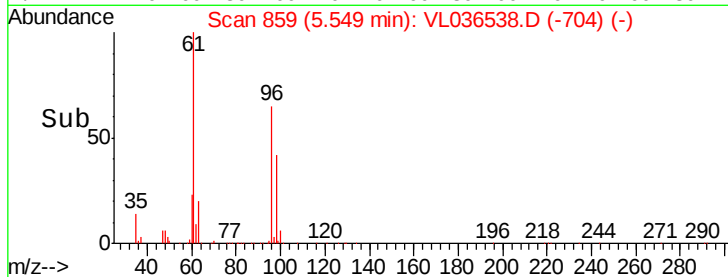
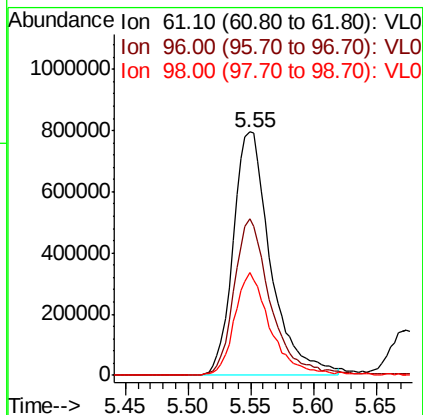
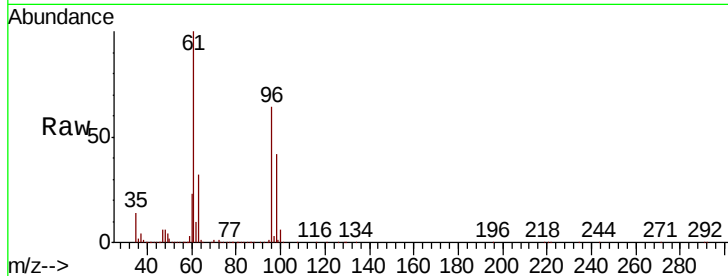


#31

cis-1,2-Dichloroethene
 Concen: 9.888 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :

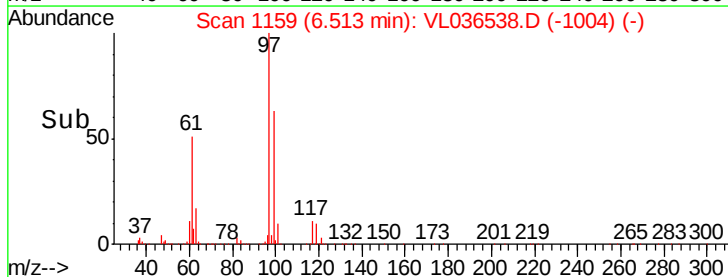
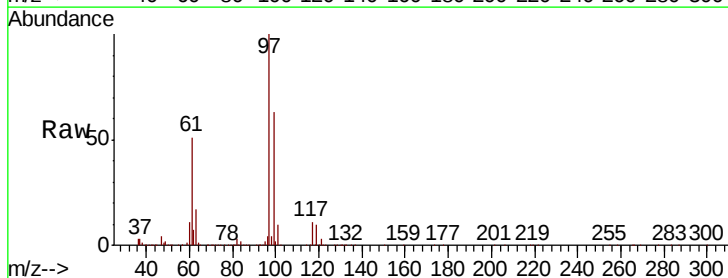
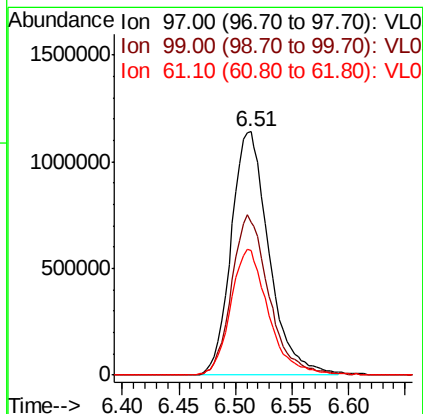
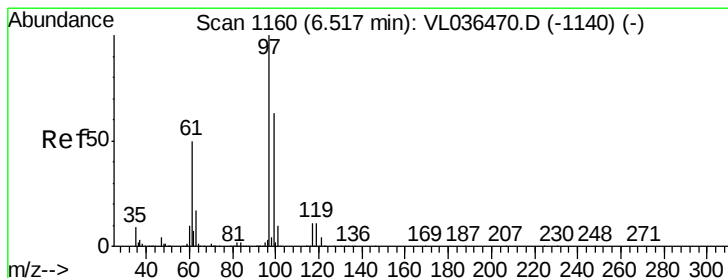
Tot Ion: 61 Resp: 1652128
 Ion Ratio Lower Upper
 61 100
 96 64.4 48.7 73.1
 98 42.0 31.4 47.0

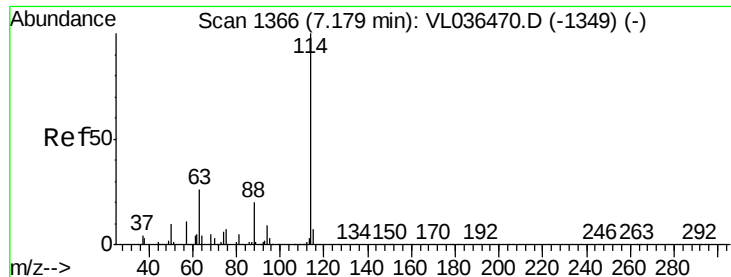


#32

1,1,1-Trichloroethane
 Concen: 9.522 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion: 97 Resp: 2651159
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.4 77.0
 61 52.3 40.6 60.8

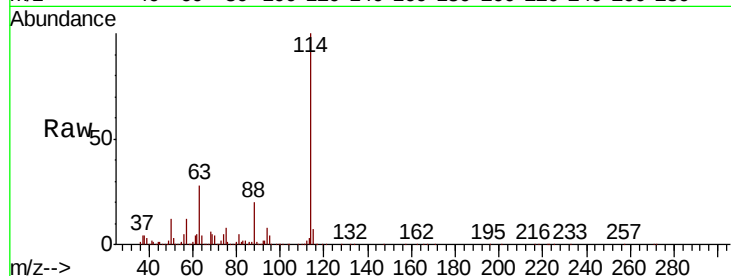




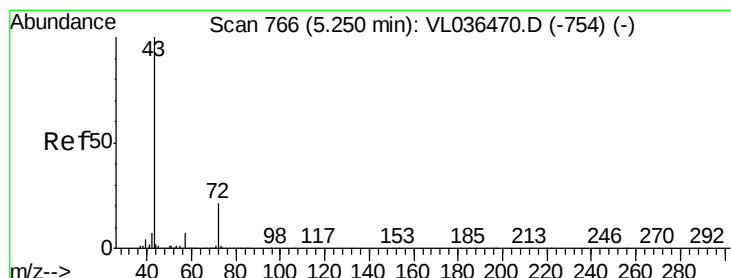
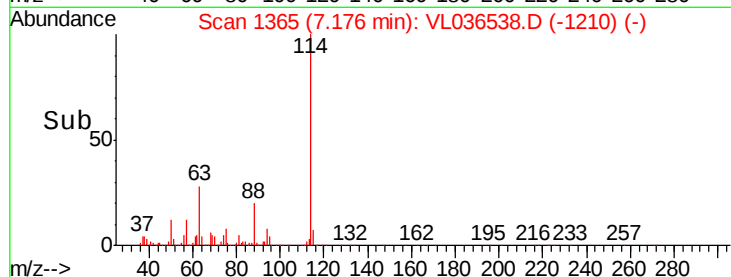
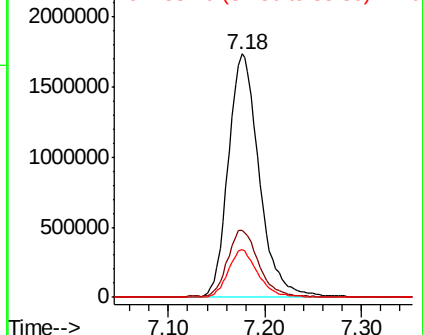
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3856836
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.4 33.6
 88 19.0 15.4 23.0

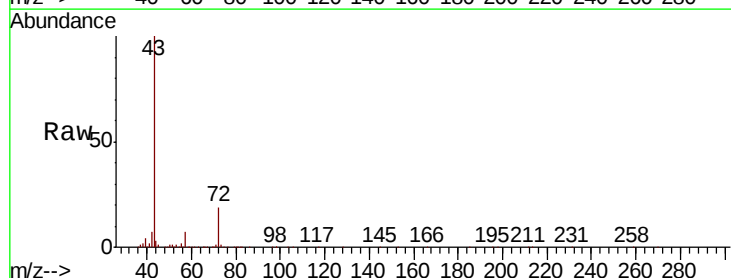


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

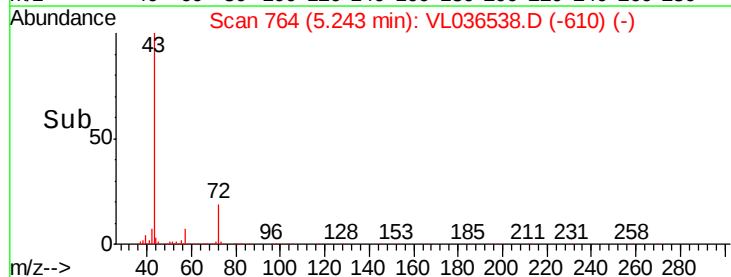
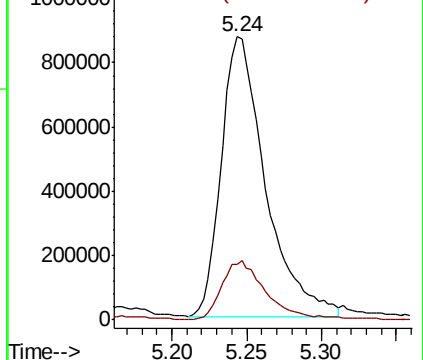


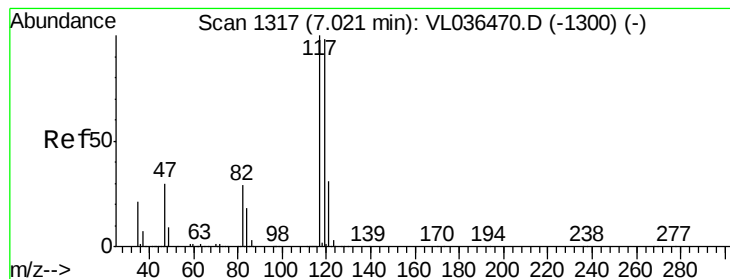
#34
 2-Butanone
 Concen: 9.510 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion: 43 Resp: 1790336
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.419 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

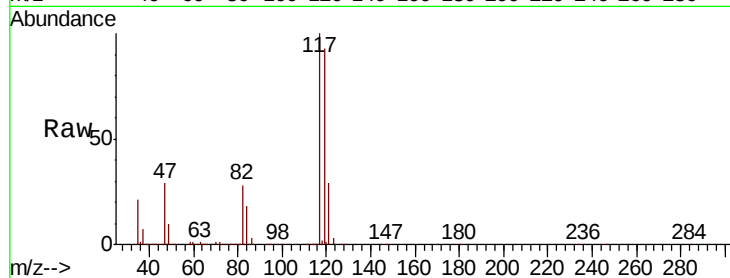
Tot Ion:117 Resp: 2790184

Ion Ratio Lower Upper

117 100

119 92.7 78.2 117.2

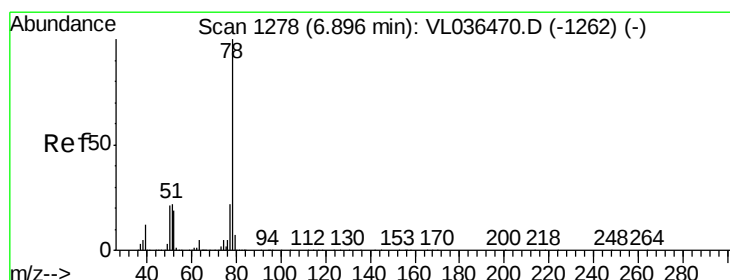
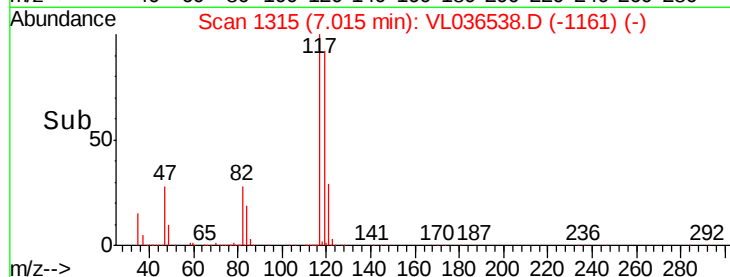
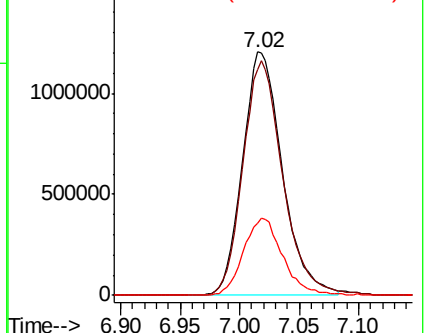
121 29.4 24.5 36.7



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: 9.624 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

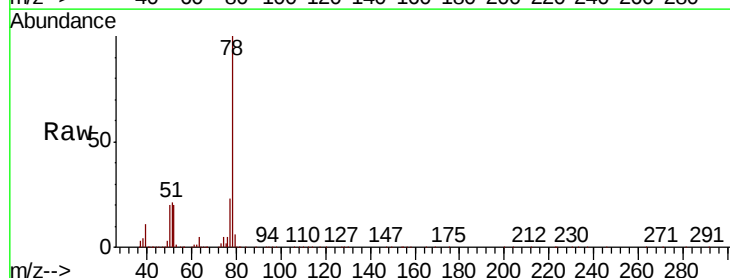
Tgt Ion: 78 Resp: 3423233

Ion Ratio Lower Upper

78 100

77 23.1 18.0 27.0

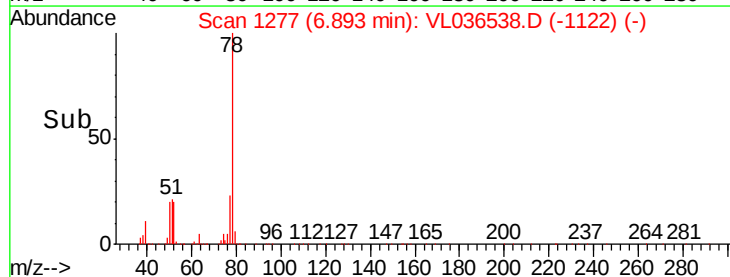
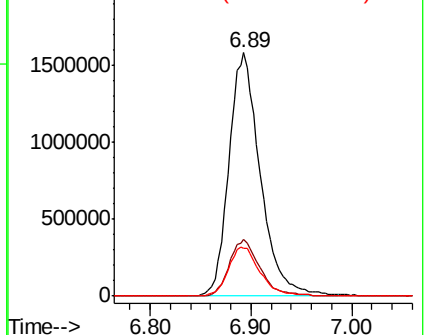
50 19.7 16.5 24.7

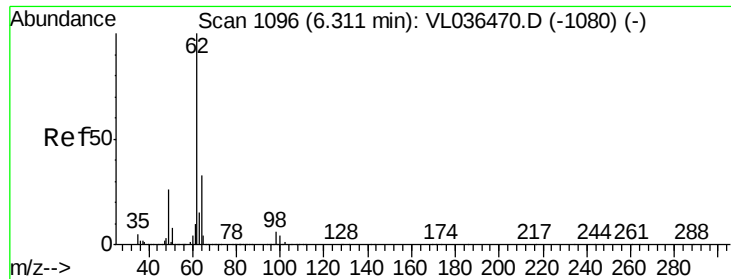


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

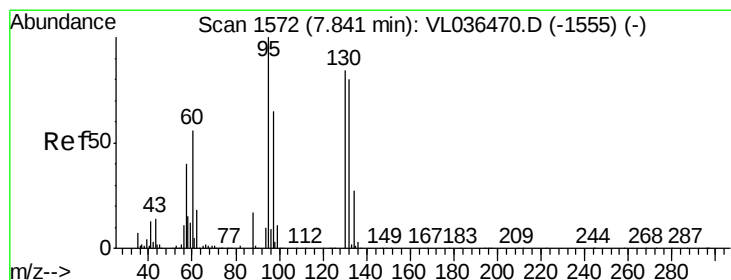
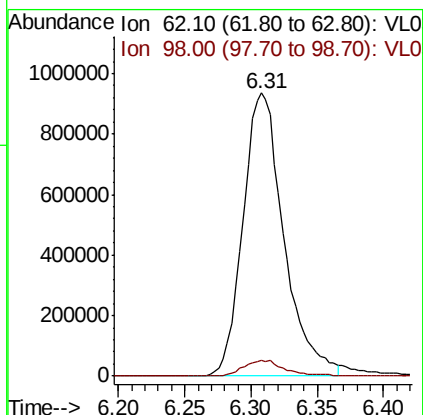
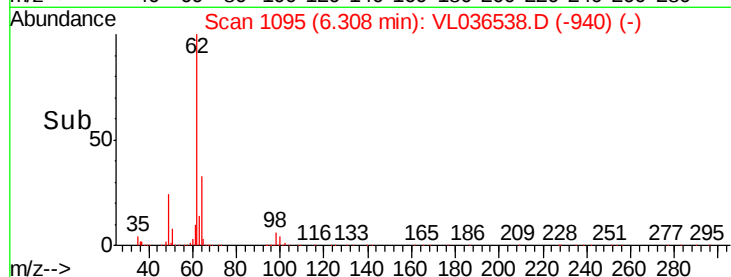
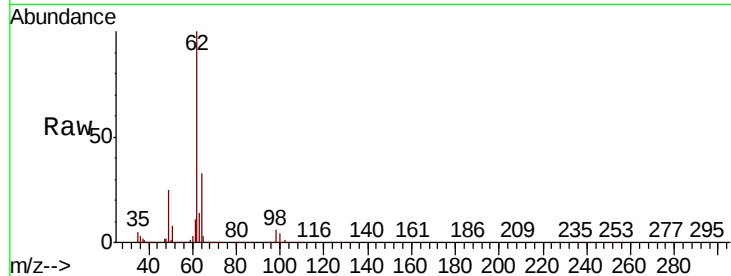




#37
 1,2-Dichloroethane
 Concen: 9.565 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

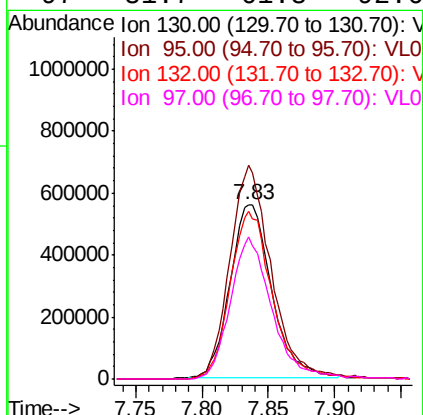
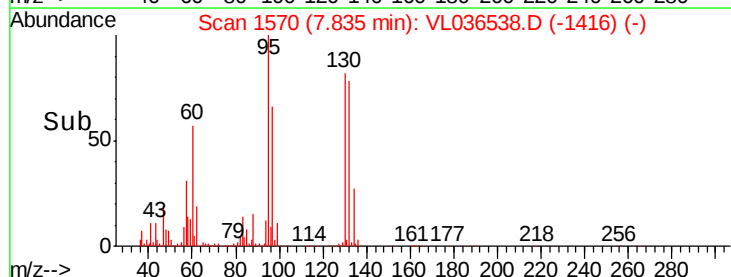
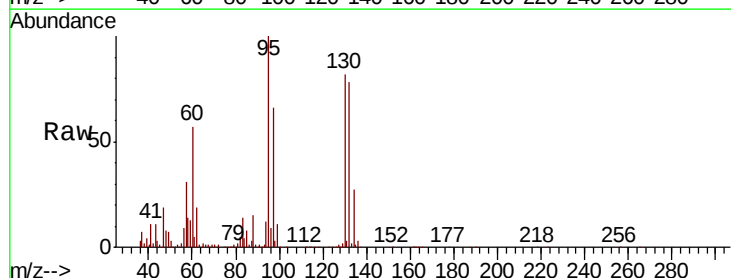
Instrument :
 MSVOA_L
 ClientSampleId :

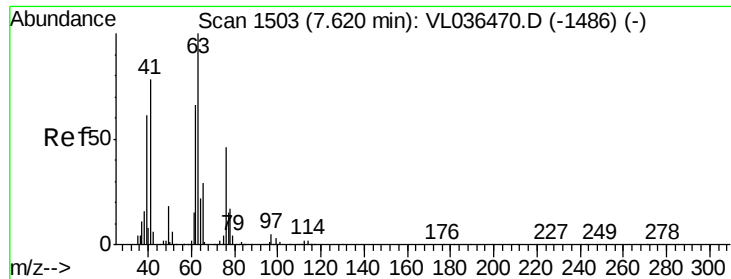
Tot Ion: 62 Resp: 2002526
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.9 7.3



#38
 Trichloroethene
 Concen: 8.746 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion:130 Resp: 1210690
 Ion Ratio Lower Upper
 130 100
 95 123.0 95.7 143.5
 132 96.6 76.2 114.4
 97 81.7 61.8 92.6



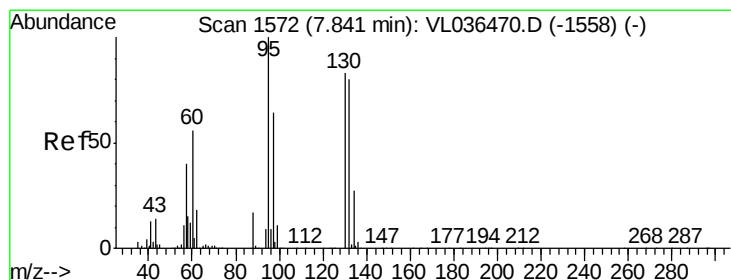
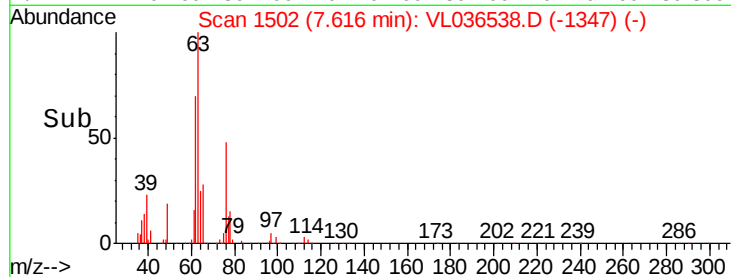
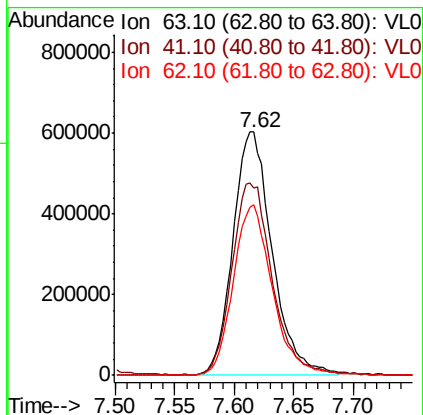
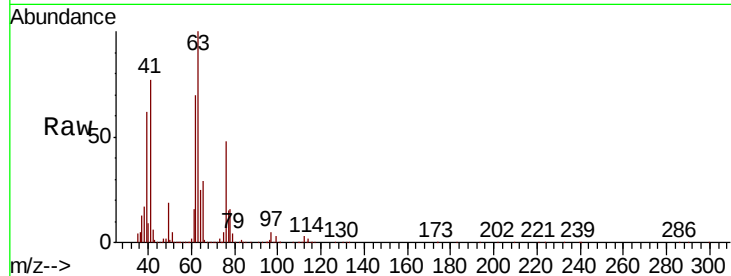


#39
 1,2-Dichloropropane
 Concen: 9.558 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1379136

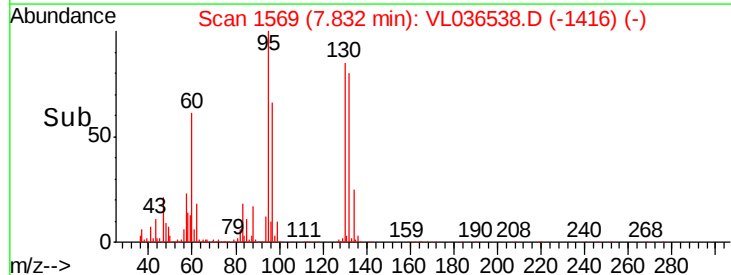
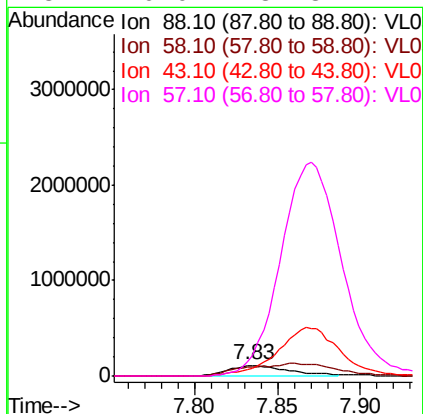
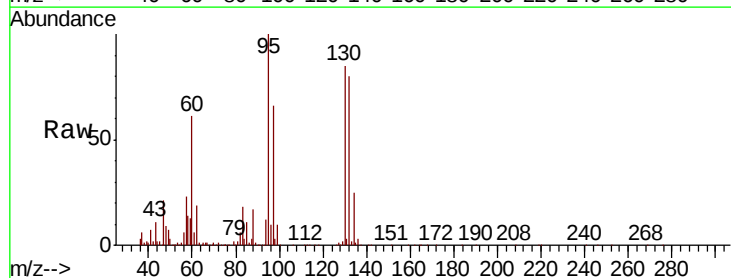
Ion	Ratio	Lower	Upper
63	100		
41	76.5	62.4	93.6
62	69.9	52.8	79.2

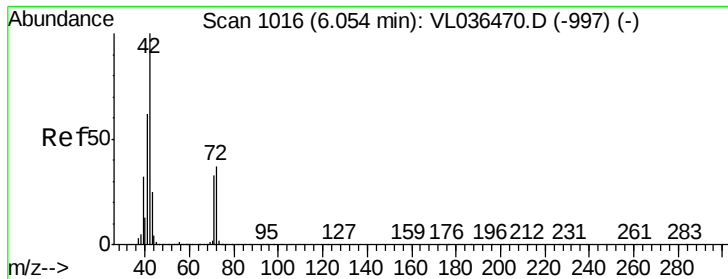


#40
 1,4-Dioxane
 Concen: 8.266 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion: 88 Resp: 277588

Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#

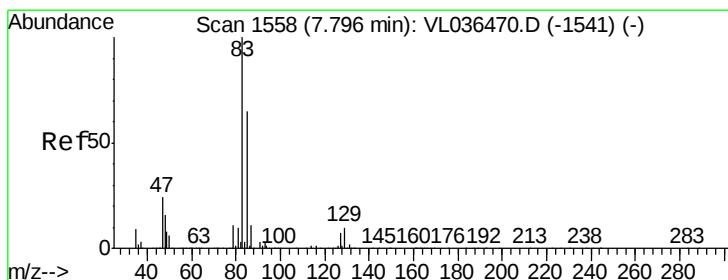
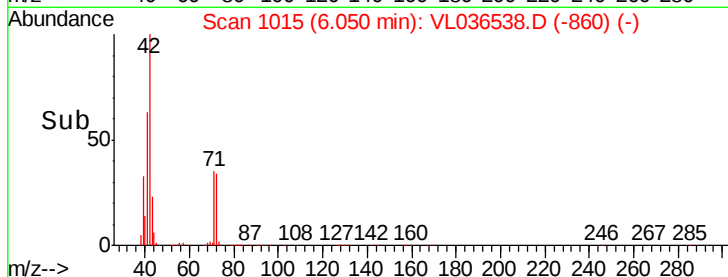
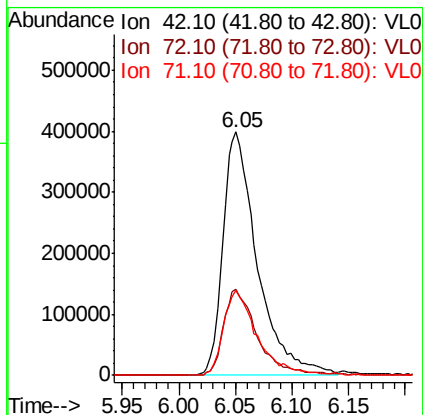
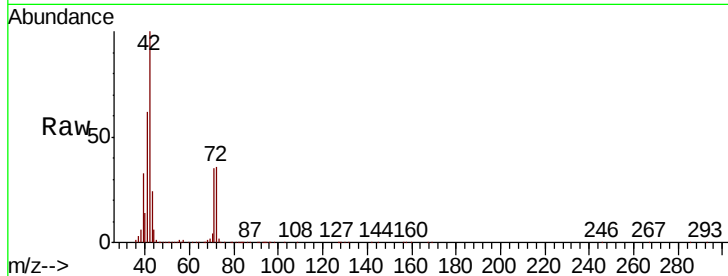




#41
Tetrahydrofuran
Concen: 9.723 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

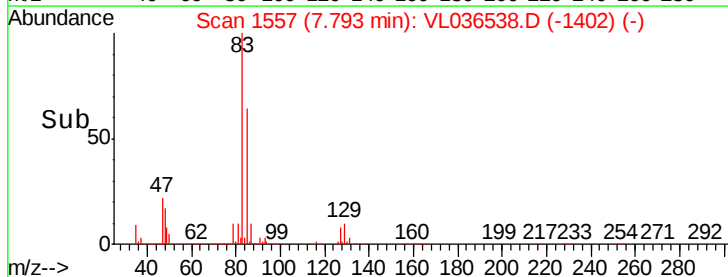
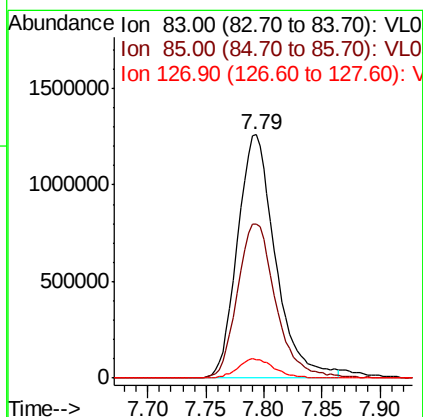
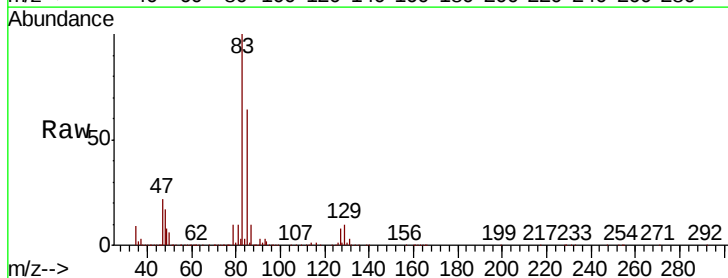
Instrument :
MSVOA_L
ClientSampled :

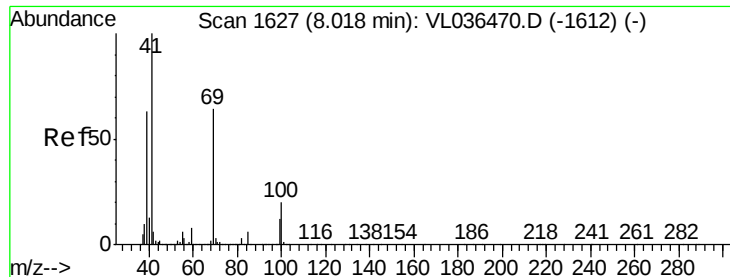
Tot Ion: 42 Resp: 843992
Ion Ratio Lower Upper
42 100
72 35.2 27.6 41.4
71 34.7 27.0 40.4



#42
Bromodichloromethane
Concen: 10.072 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 83 Resp: 2868238
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.6
127 7.7 5.8 8.8





#43

Methyl Methacrylate

Concen: 10.518 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.01 min

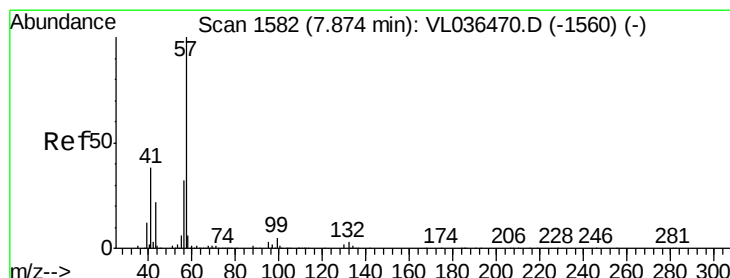
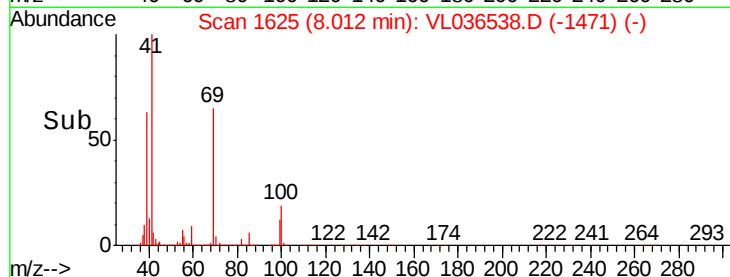
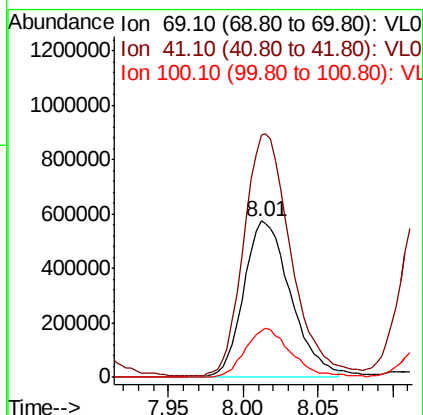
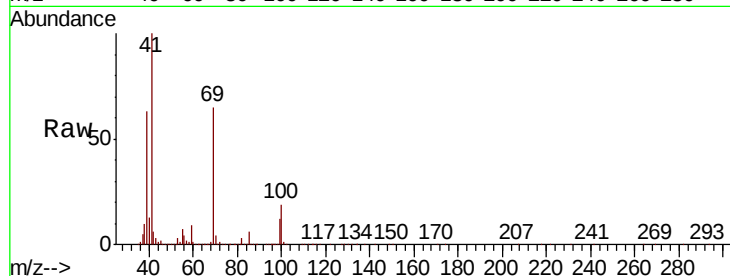
Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1256260

Ion	Ratio	Lower	Upper
69	100		
41	157.6	126.8	190.2
100	30.8	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 9.305 ppbv

RT: 7.87 min Scan# 1581

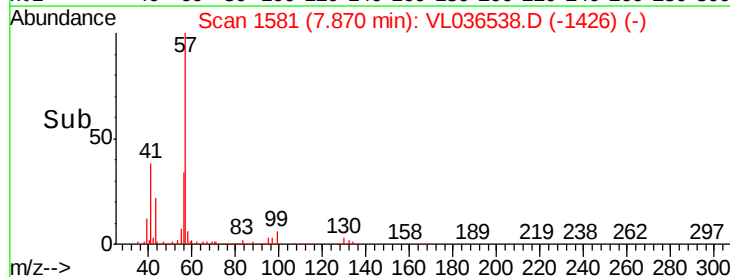
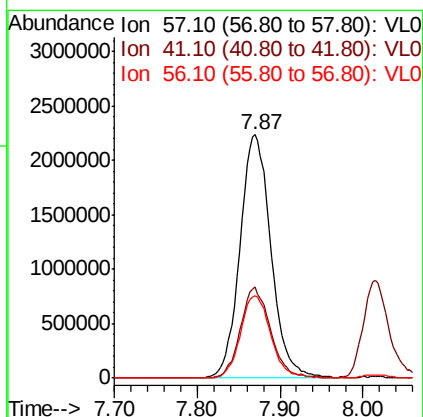
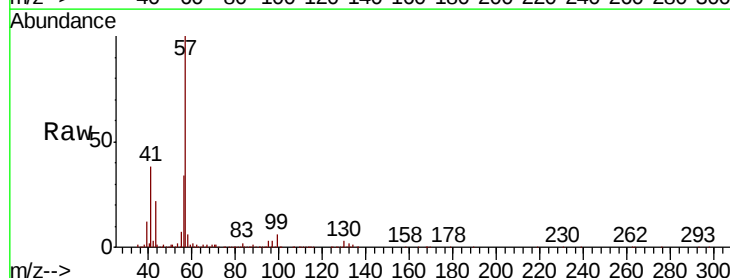
Delta R.T. -0.00 min

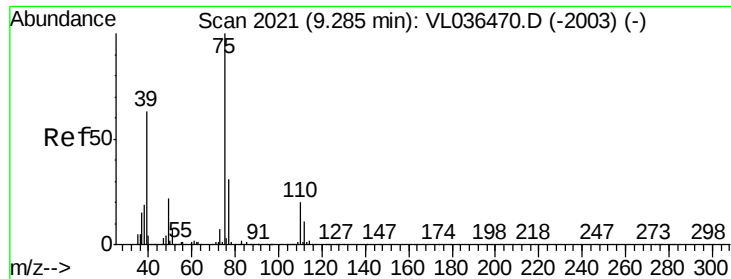
Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Tgt Ion: 57 Resp: 5825497

Ion	Ratio	Lower	Upper
57	100		
41	36.1	28.8	43.2
56	33.1	26.1	39.1

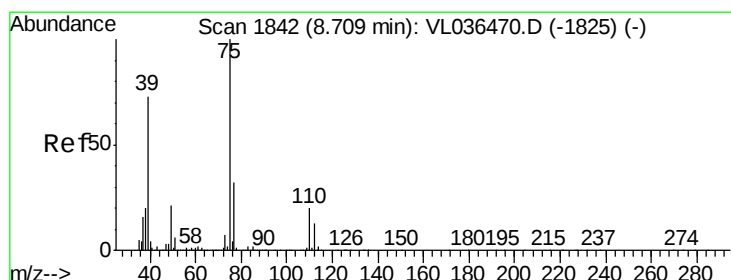
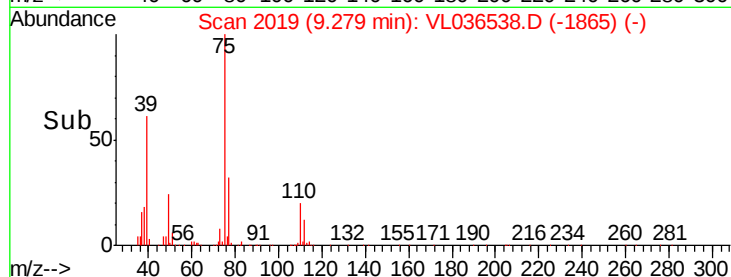
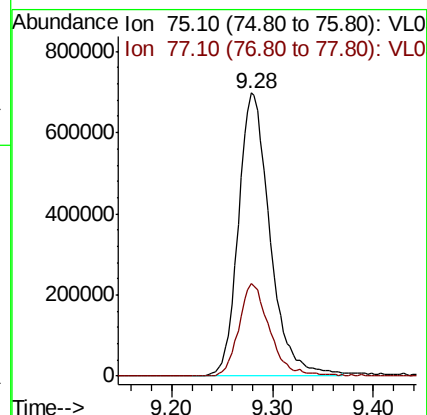
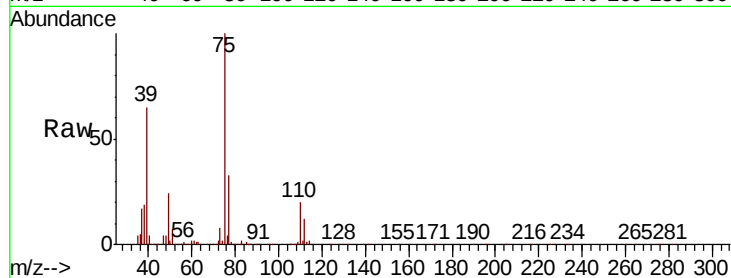




#45
t-1,3-Dichloropropene
Concen: 11.116 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

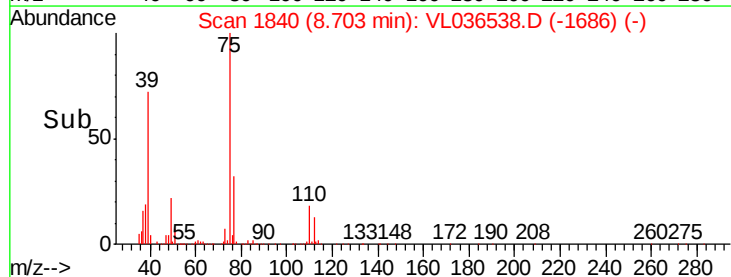
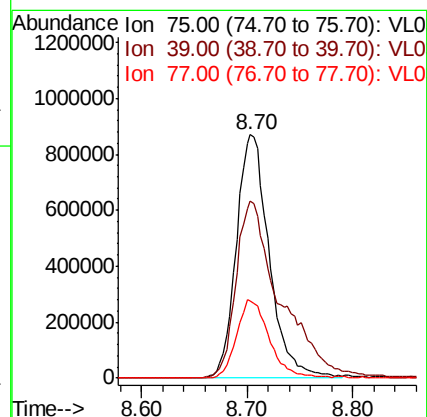
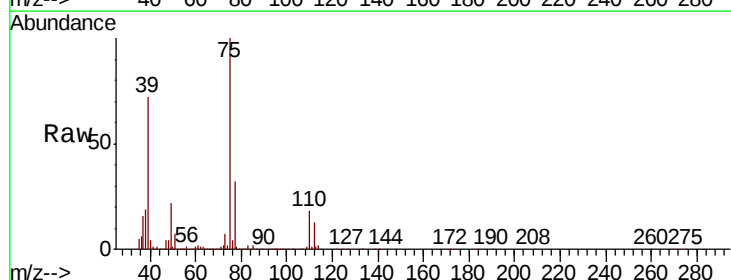
Instrument :
MSVOA_L
ClientSampleId :

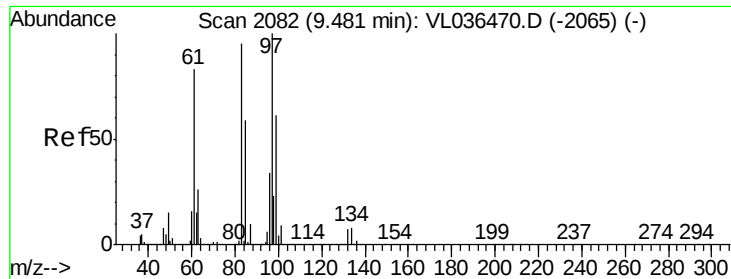
Tot Ion: 75 Resp: 1516100
Ion Ratio Lower Upper
75 100
77 32.6 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 10.788 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 75 Resp: 1880854
Ion Ratio Lower Upper
75 100
39 72.3 58.2 87.2
77 31.7 25.2 37.8

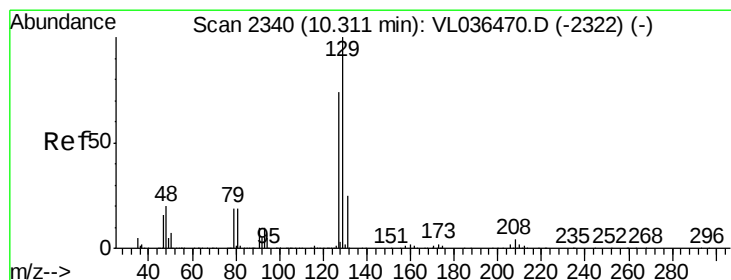
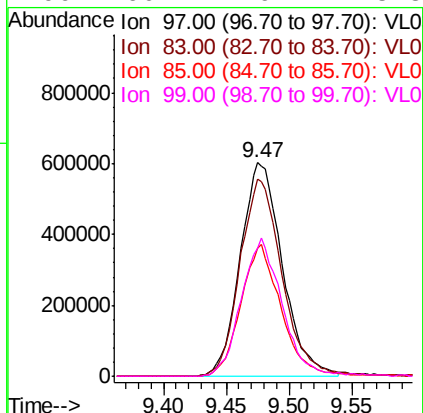
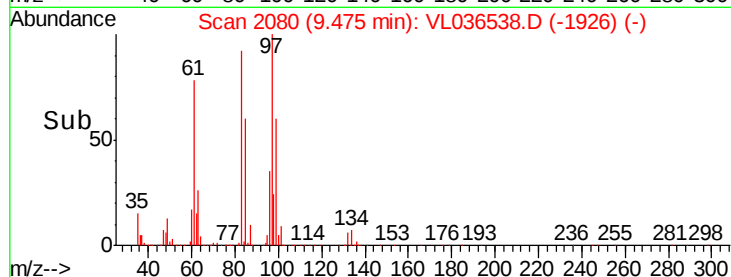
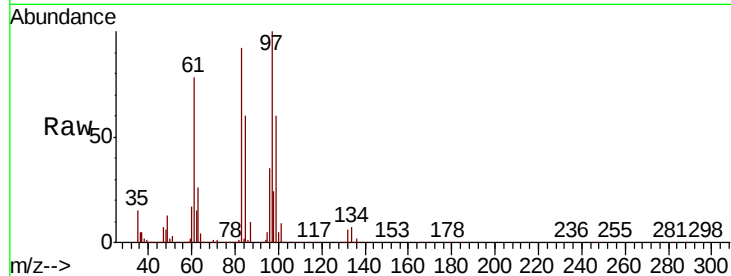




#47
 1,1,2-Trichloroethane
 Concen: 9.594 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

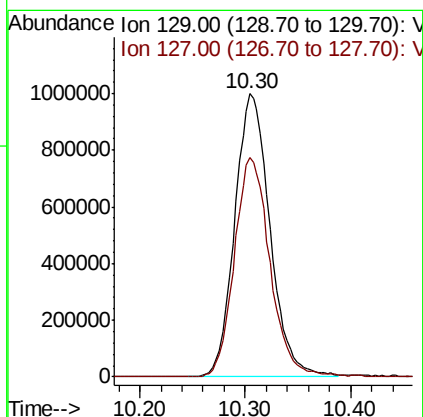
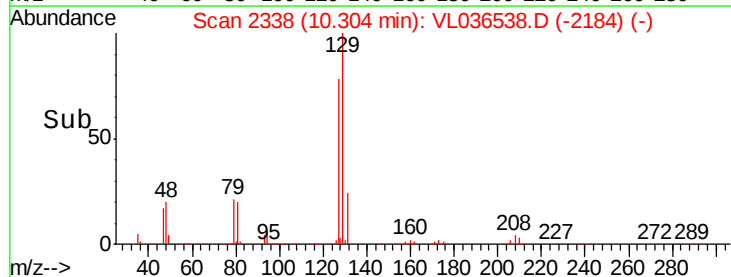
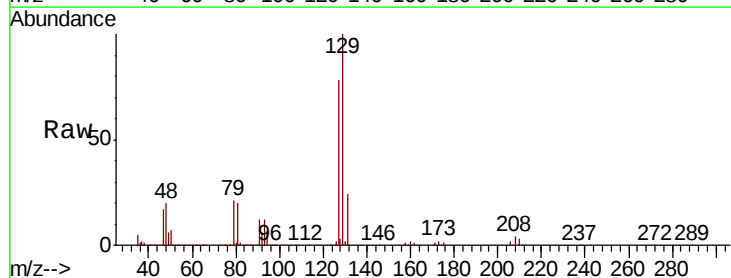
Instrument :
 MSVOA_L
 ClientSampleID :

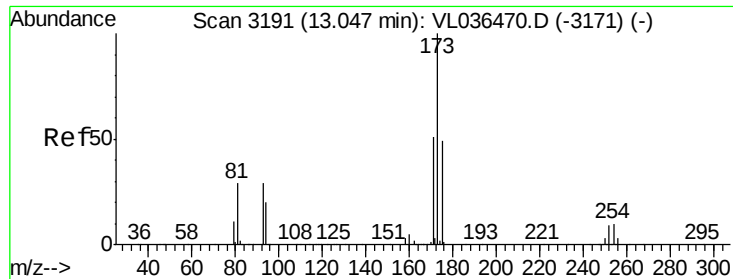
Tot Ion: 97 Resp: 1402122
 Ion Ratio Lower Upper
 97 100
 83 92.2 75.8 113.8
 85 60.0 47.1 70.7
 99 60.1 49.2 73.8



#48
 Dibromochloromethane
 Concen: 10.406 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion: 129 Resp: 2318430
 Ion Ratio Lower Upper
 129 100
 127 78.8 39.6 118.8





#49

Bromoform

Concen: 10.567 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

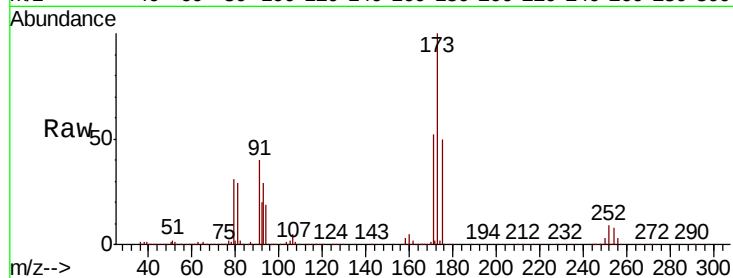
Tot Ion:173 Resp: 1896963

Ion Ratio Lower Upper

173 100

175 50.4 39.6 59.4

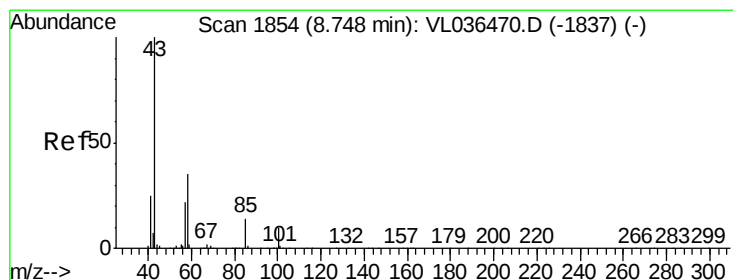
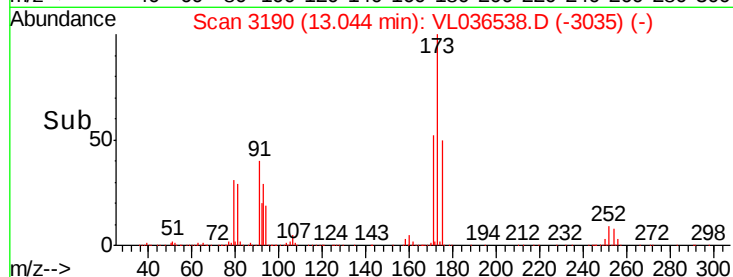
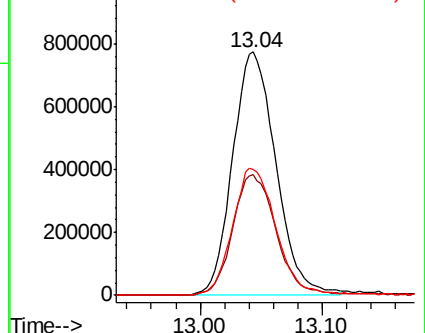
171 53.2 41.4 62.0



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: 10.078 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL036538.D

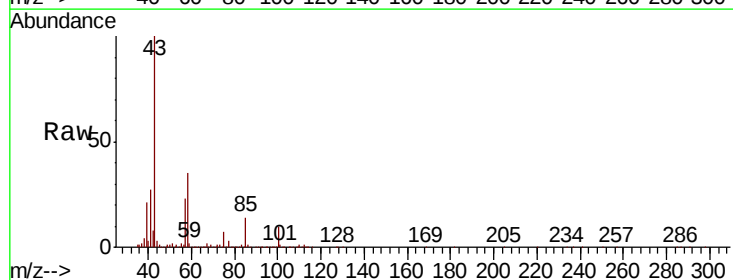
Acq: 29 Mar 2021 13:12

Tgt Ion: 43 Resp: 2745349

Ion Ratio Lower Upper

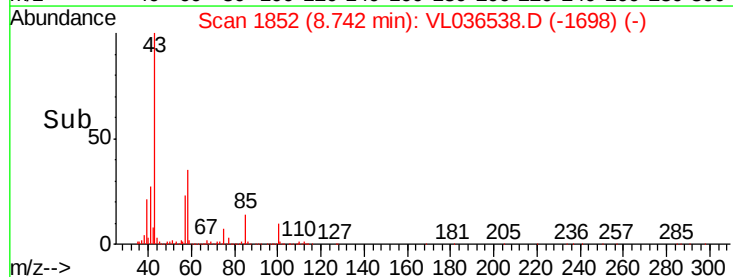
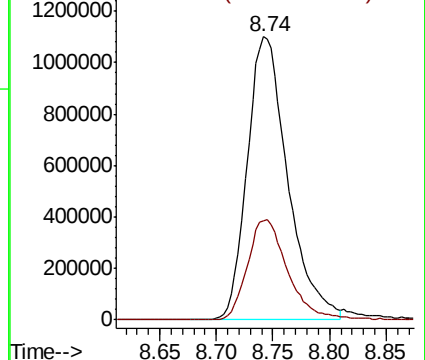
43 100

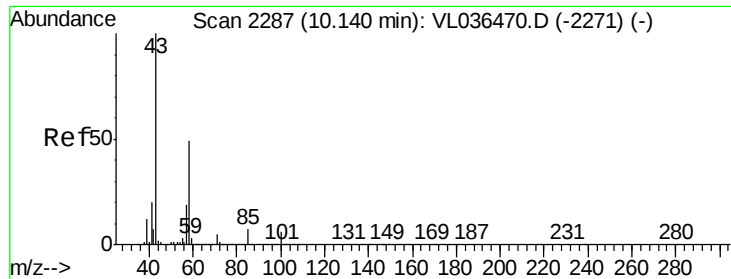
58 35.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

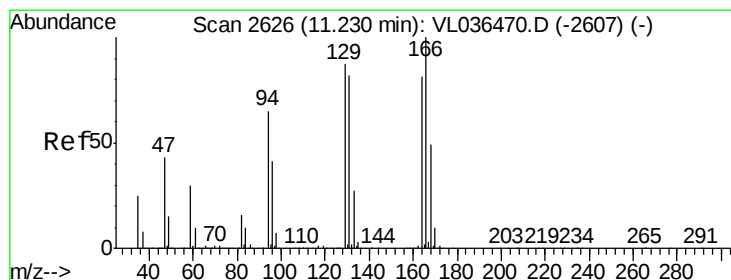
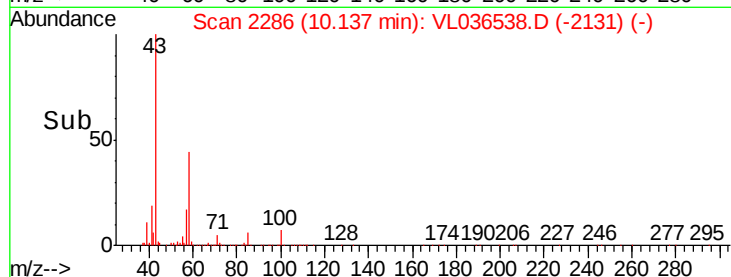
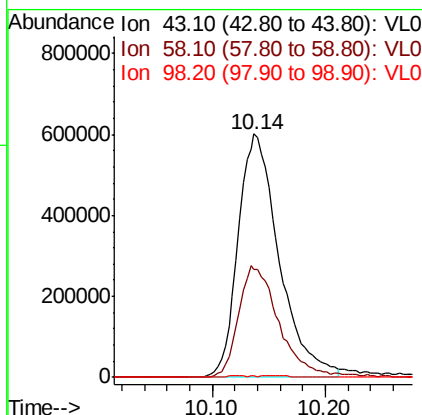
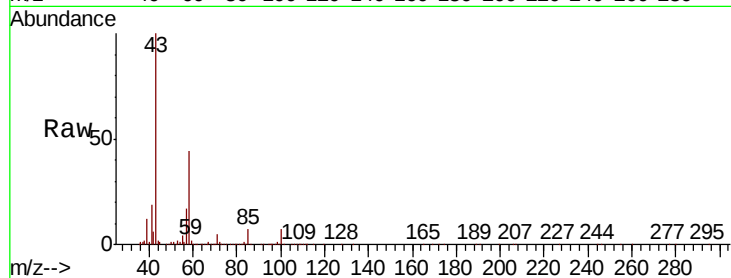




#51
2-Hexanone
Concen: 11.018 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

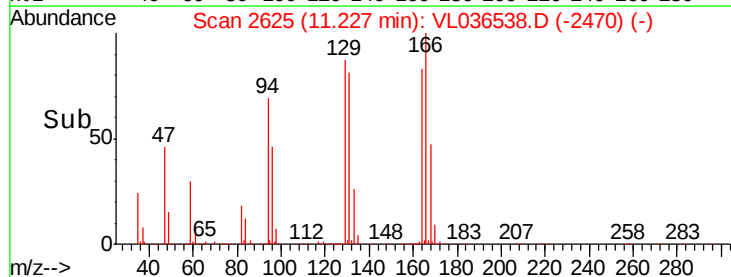
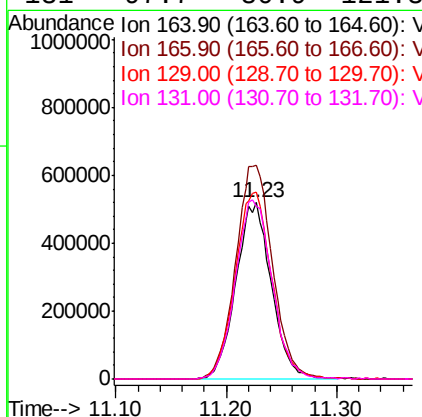
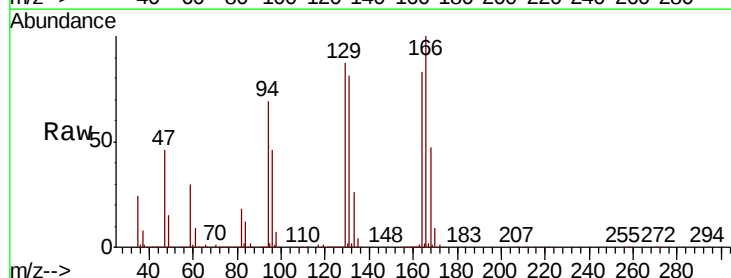
Instrument :
MSVOA_L
ClientSampleId :

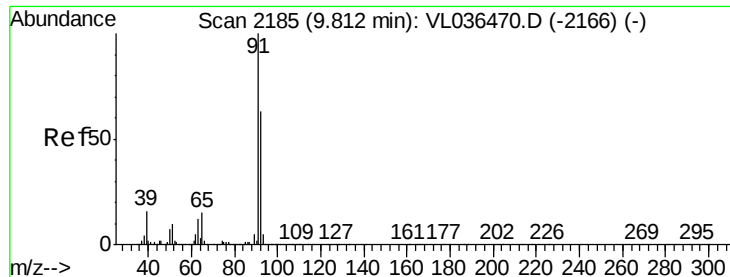
Tot Ion: 43 Resp: 1514575
Ion Ratio Lower Upper
43 100
58 46.2 37.7 56.5
98 0.5 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.812 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 164 Resp: 1154264
Ion Ratio Lower Upper
164 100
166 121.1 98.3 147.5
129 105.7 85.8 128.8
131 97.7 80.9 121.3





#53

Toluene

Concen: 10.170 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

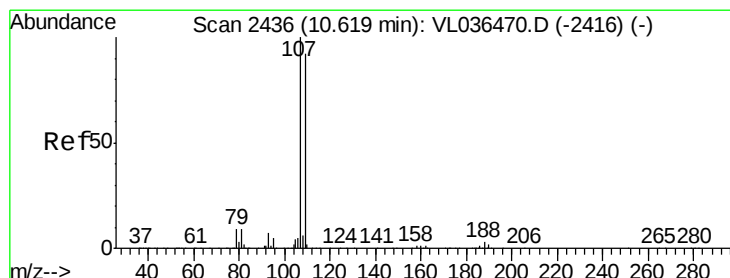
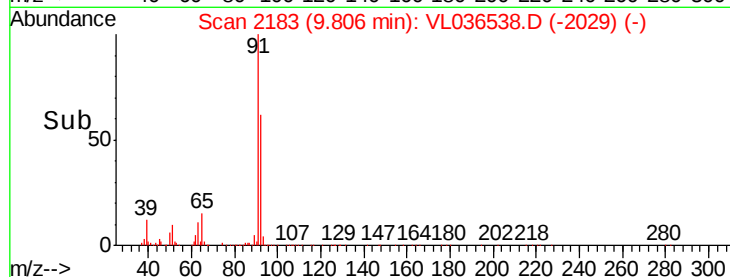
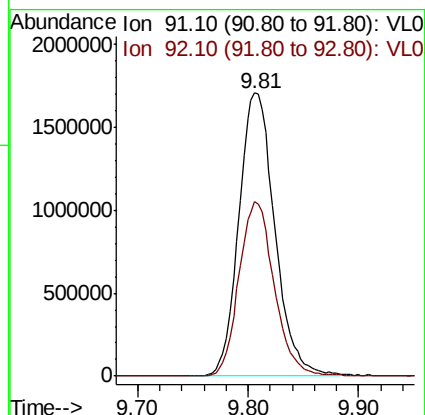
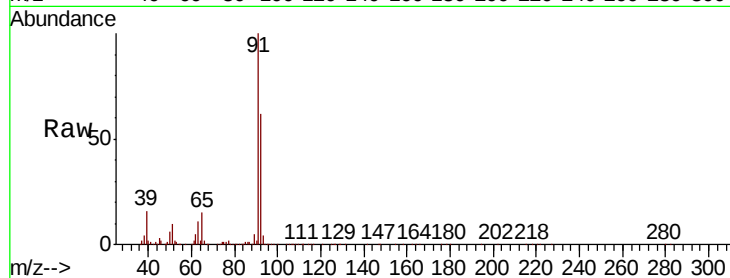
ClientSampleId :

Tot Ion: 91 Resp: 3852434

Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.835 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL036538.D

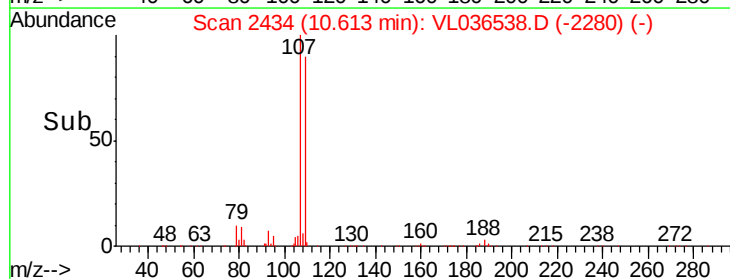
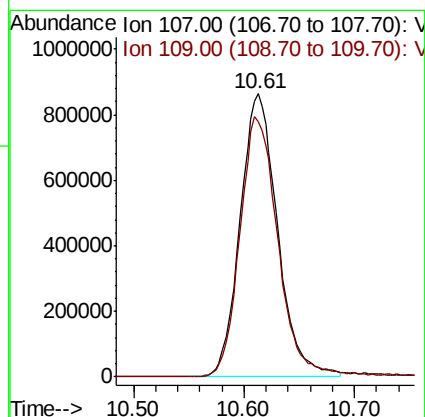
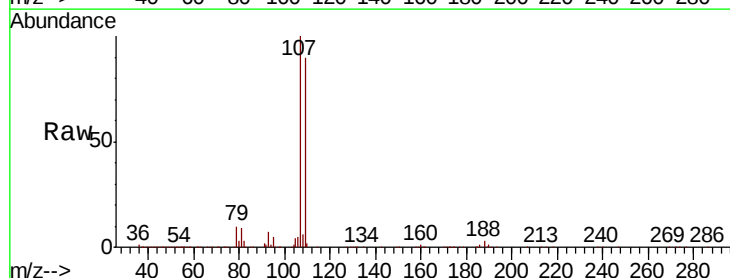
Acq: 29 Mar 2021 13:12

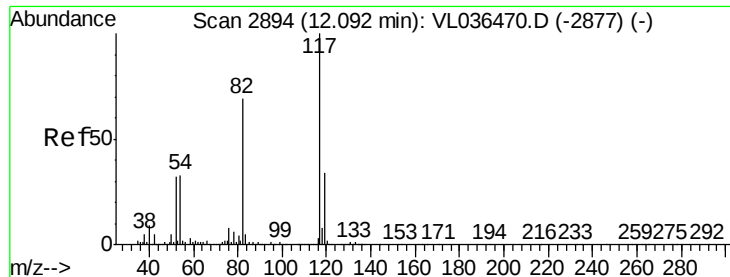
Tgt Ion: 107 Resp: 2029909

Ion Ratio Lower Upper

107 100

109 90.0 73.9 110.9

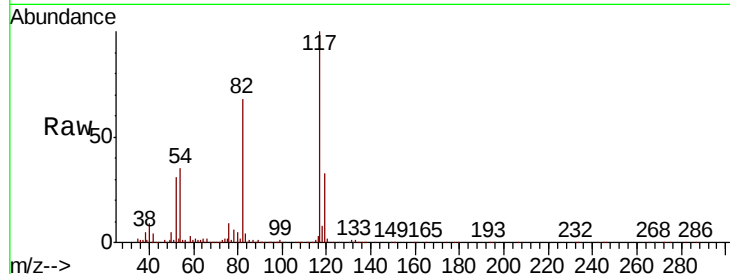




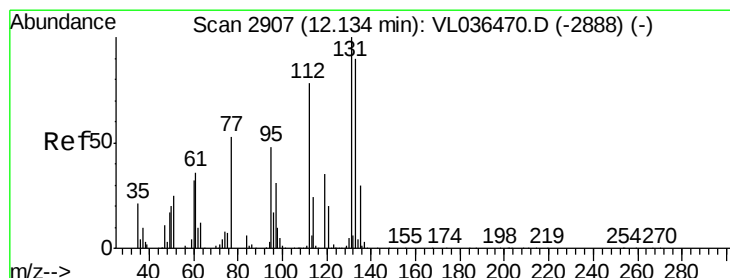
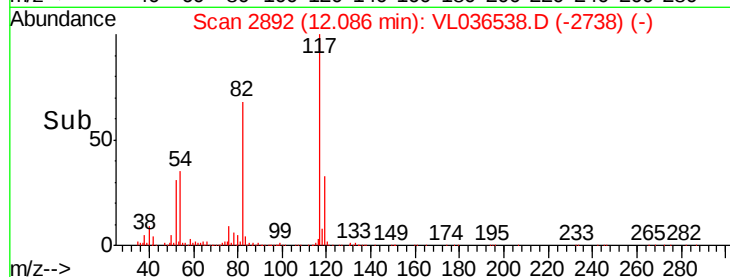
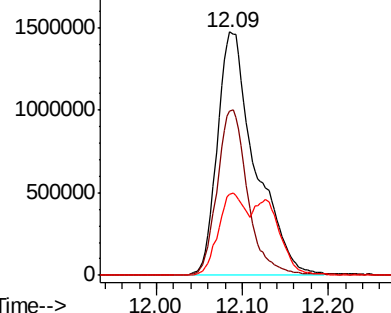
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 4503905
Ion Ratio Lower Upper
117 100
82 55.4 57.4 86.0#
119 24.7 47.4 71.0#

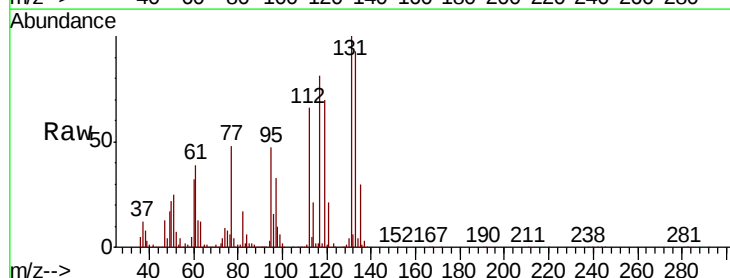


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

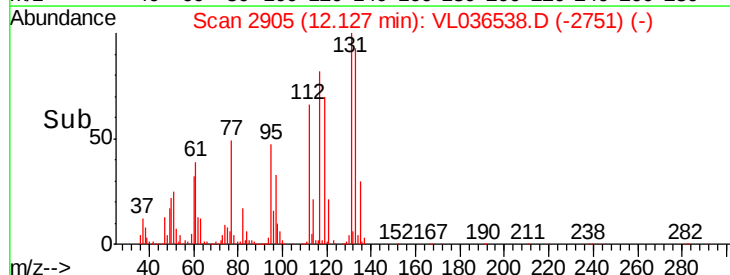
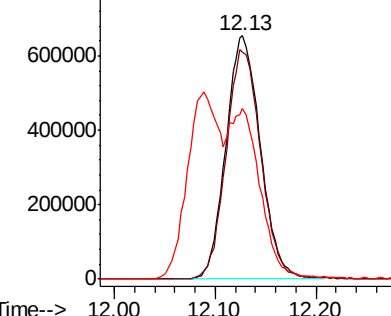


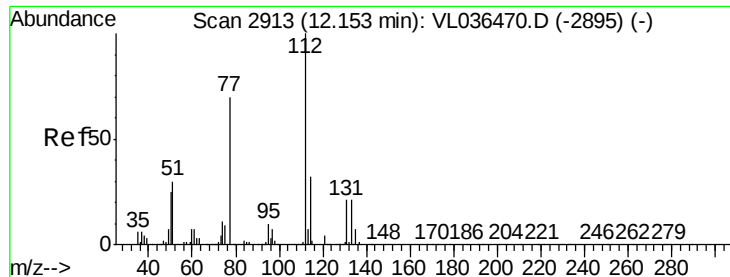
#56
1,1,1,2-Tetrachloroethane
Concen: 7.616 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion:131 Resp: 1551535
Ion Ratio Lower Upper
131 100
133 95.3 75.8 113.6
119 60.6 48.7 73.1



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: 7.379 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

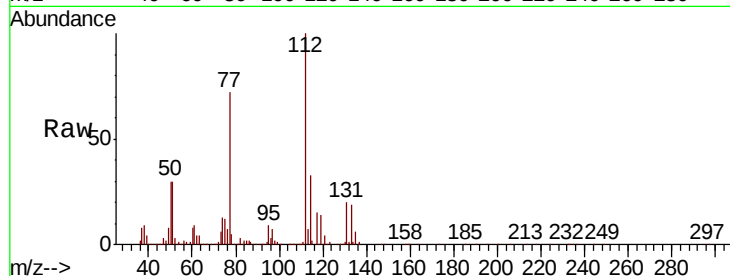
Tot Ion:112 Resp: 2827844

Ion Ratio Lower Upper

112 100

77 70.9 56.0 84.0

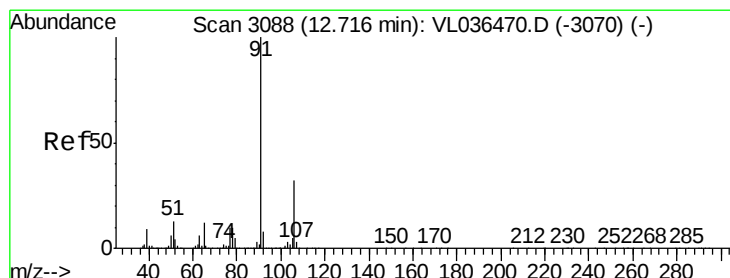
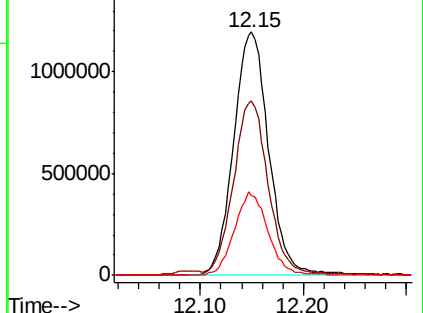
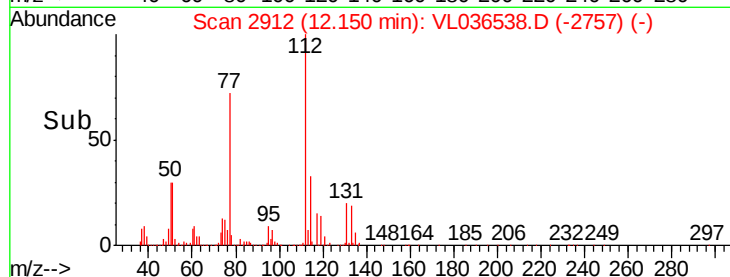
114 32.5 29.0 35.4



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: 7.923 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL036538.D

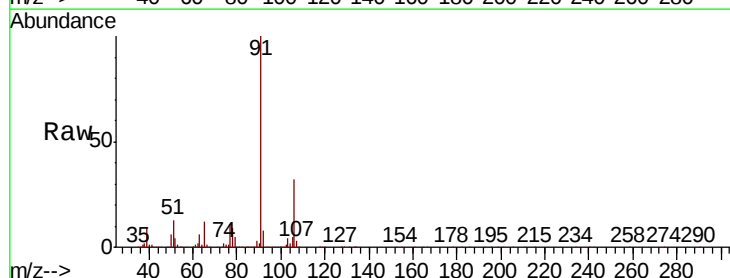
Acq: 29 Mar 2021 13:12

Tgt Ion: 91 Resp: 5191875

Ion Ratio Lower Upper

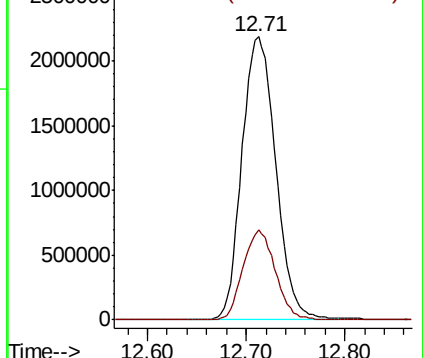
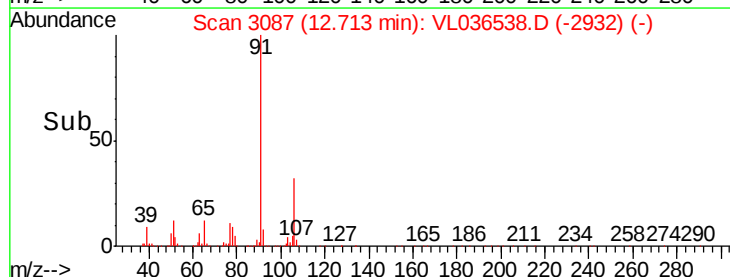
91 100

106 31.7 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

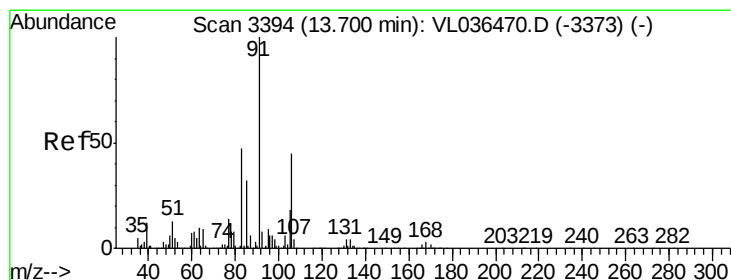
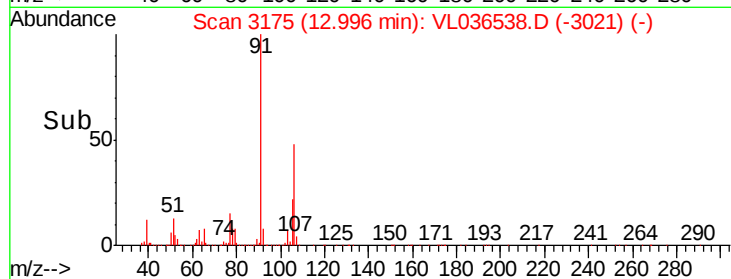
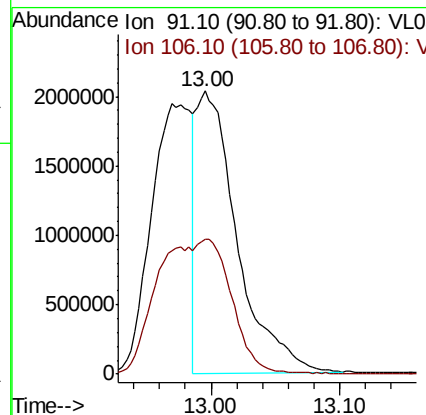
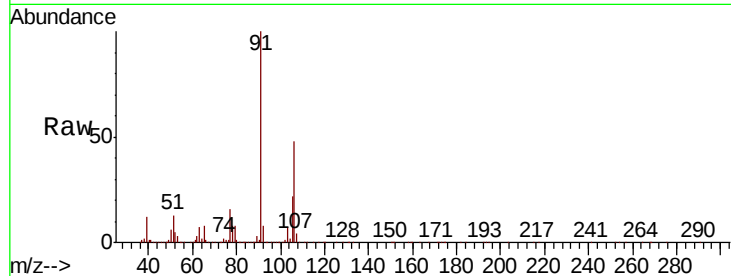




#59
m/p-Xylene
Concen: 7.734 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

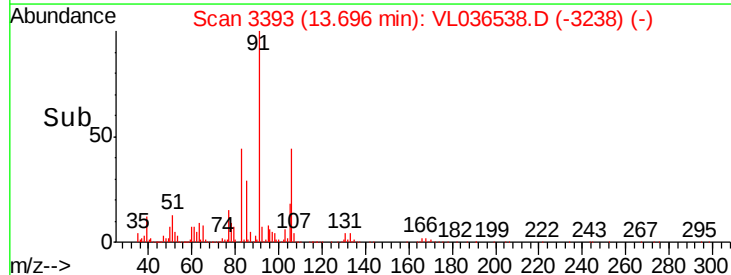
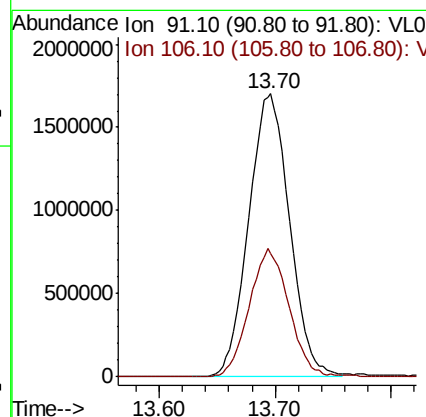
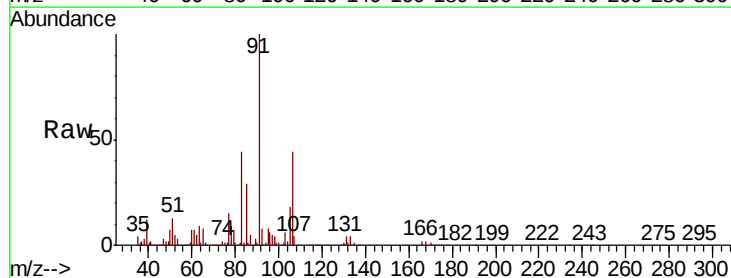
Instrument :
MSVOA_L
ClientSampleId :

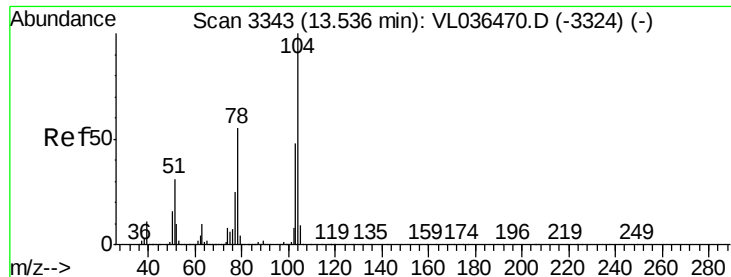
Tot Ion: 91 Resp: 4419988
Ion Ratio Lower Upper
91 100
106 87.7 35.3 52.9#



#60
o-Xylene
Concen: 7.538 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 91 Resp: 4165416
Ion Ratio Lower Upper
91 100
106 44.4 22.3 66.9





#61

Stvrene

Concen: 8.833 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampled :

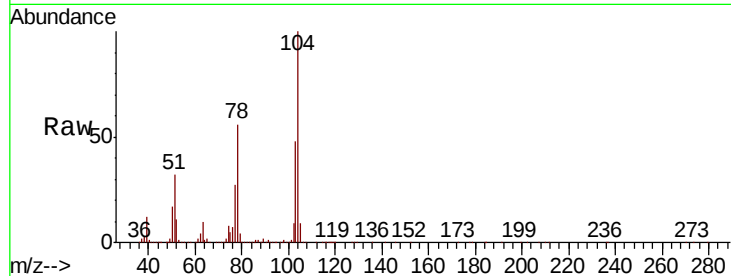
Tot Ion:104 Resp: 2455813

Ion Ratio Lower Upper

104 100

78 55.2 43.8 65.8

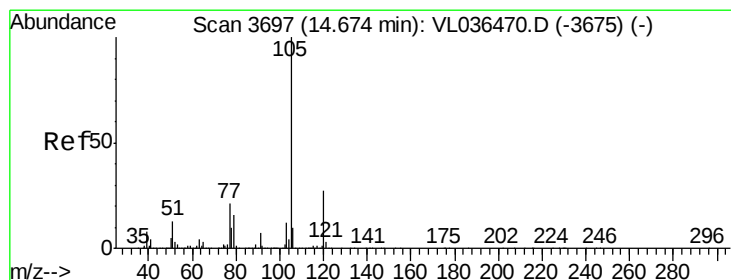
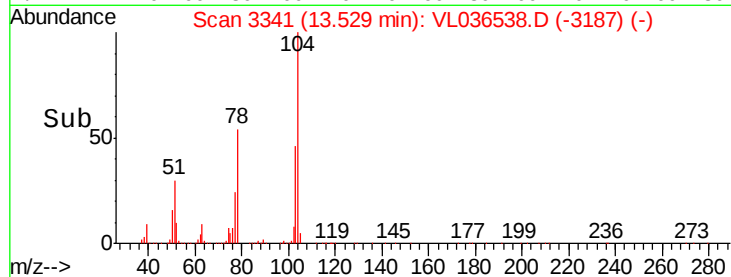
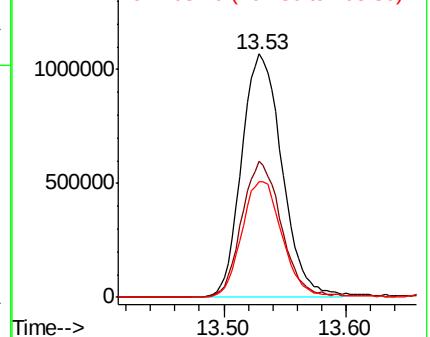
103 47.9 38.3 57.5



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: 7.464 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL036538.D

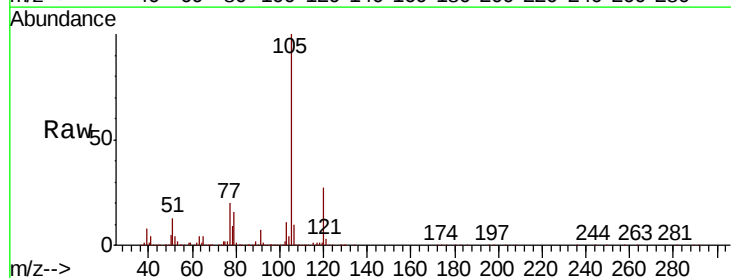
Acq: 29 Mar 2021 13:12

Tgt Ion:105 Resp: 5554398

Ion Ratio Lower Upper

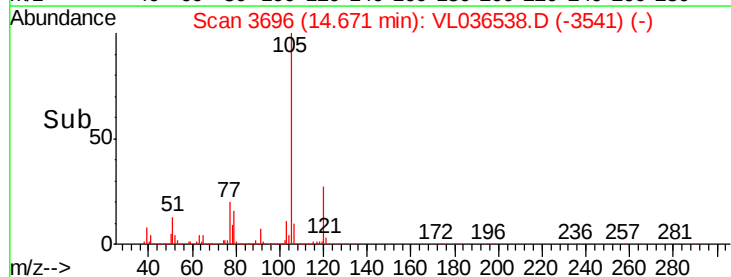
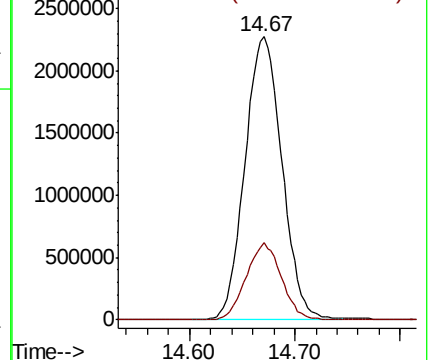
105 100

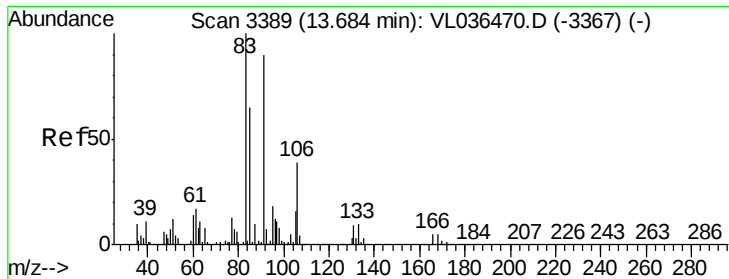
120 26.1 20.6 31.0



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: 7.133 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

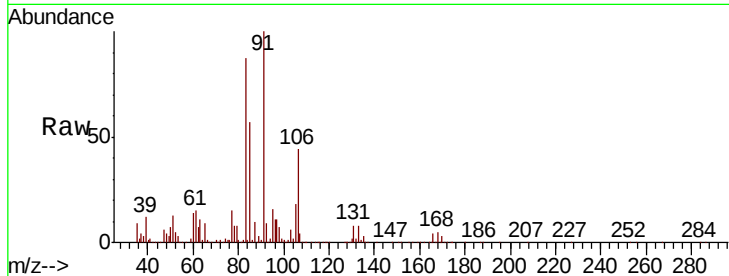
Tot Ion: 83 Resp: 3007028

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

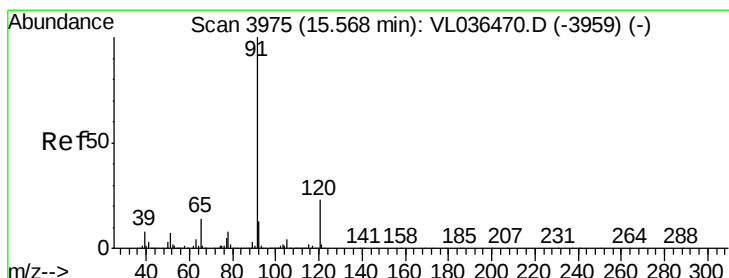
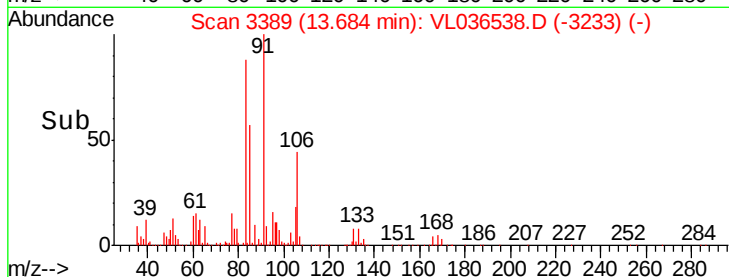
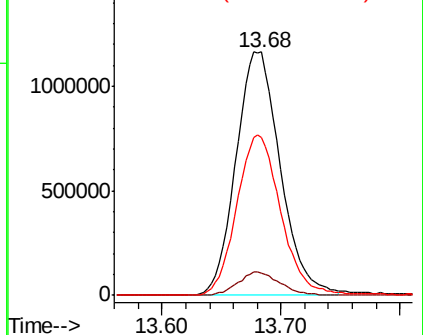
85 66.4 33.1 99.3



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: 8.092 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VL036538.D

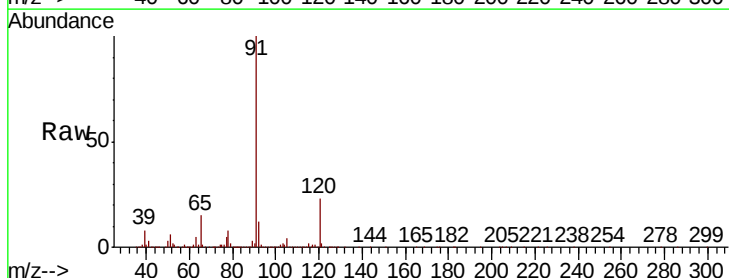
Acq: 29 Mar 2021 13:12

Tgt Ion:120 Resp: 1472262

Ion Ratio Lower Upper

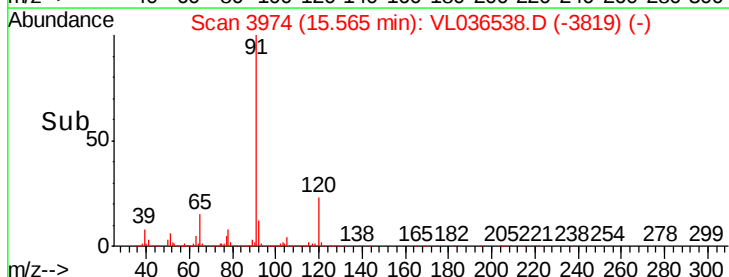
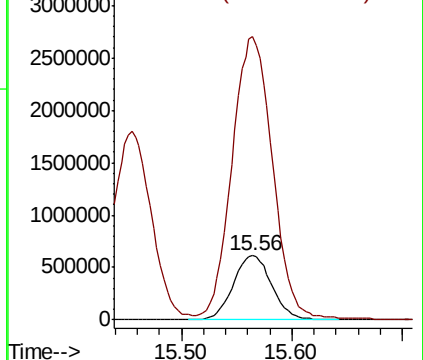
120 100

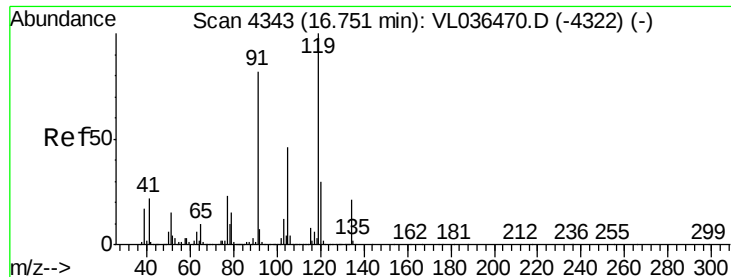
91 469.4 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

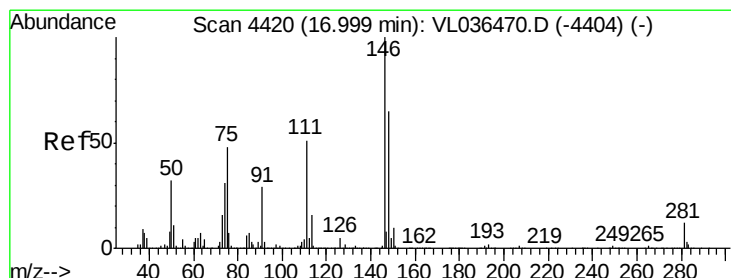
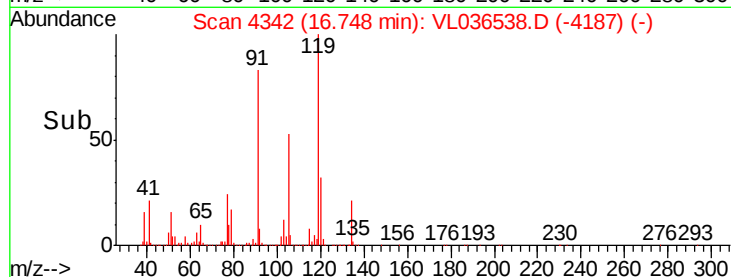
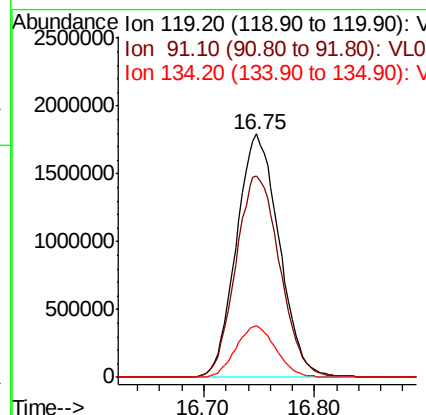
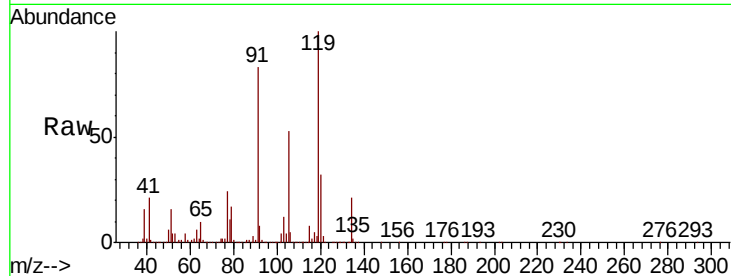




#65
tert-Butylbenzene
Concen: 7.435 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

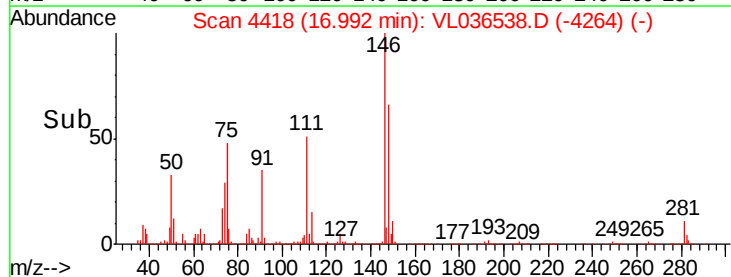
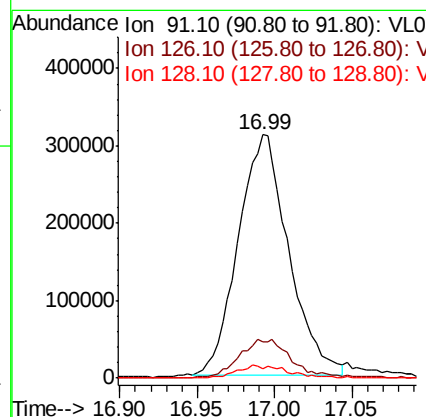
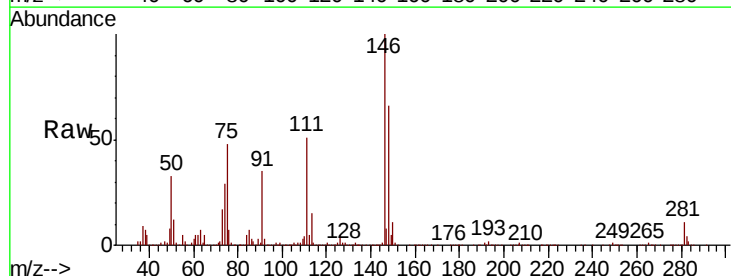
Instrument :
MSVOA_L
ClientSampleId :

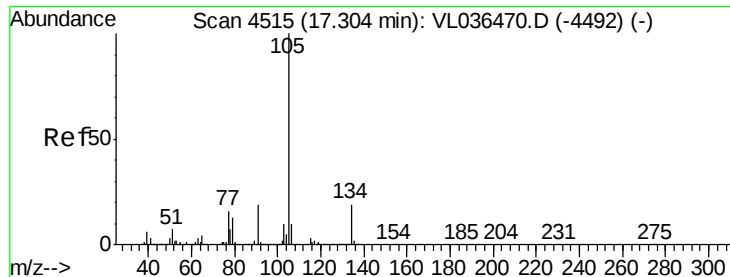
Tot Ion:119 Resp: 4797544
Ion Ratio Lower Upper
119 100
91 85.9 67.5 101.3
134 20.0 15.8 23.8



#66
Benzyl Chloride
Concen: 9.829 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 91 Resp: 701050
Ion Ratio Lower Upper
91 100
126 17.2 13.5 20.3
128 5.5 4.2 6.4





#67

sec-Butylbenzene

Concen: 7.405 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

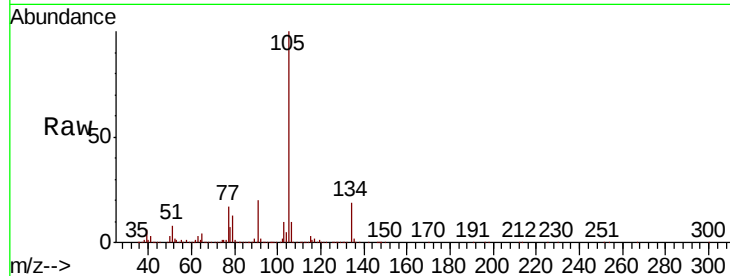
ClientSampleId :

Tot Ion:105 Resp: 6745477

Ion Ratio Lower Upper

105 100

134 18.4 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.30

2500000

2000000

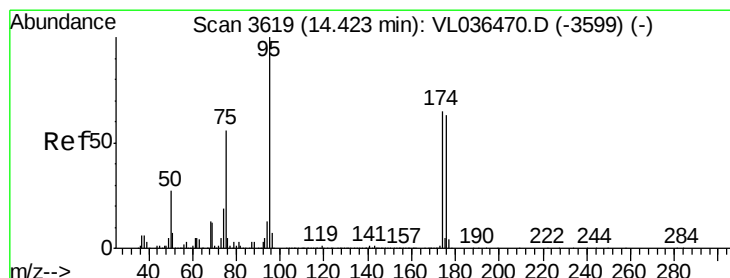
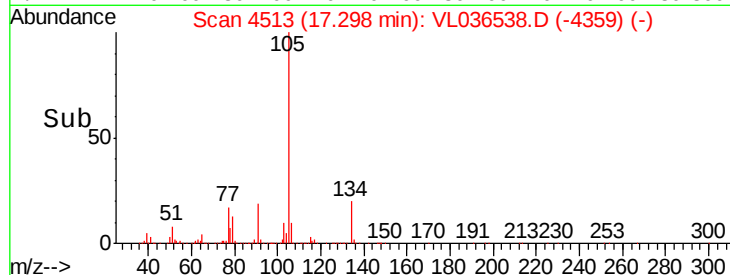
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.493 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

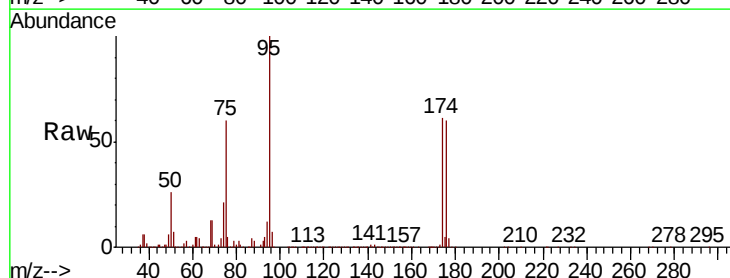
Tgt Ion: 95 Resp: 3048638

Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

175 4.9 3.9 5.9



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

14.42

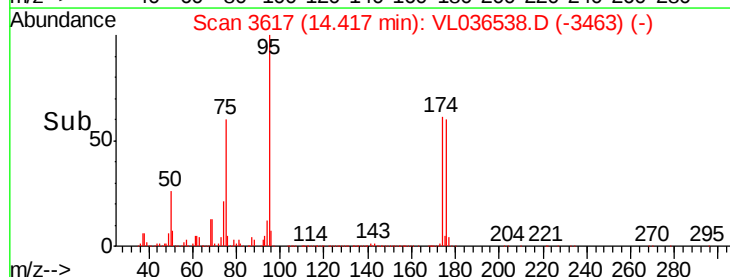
1500000

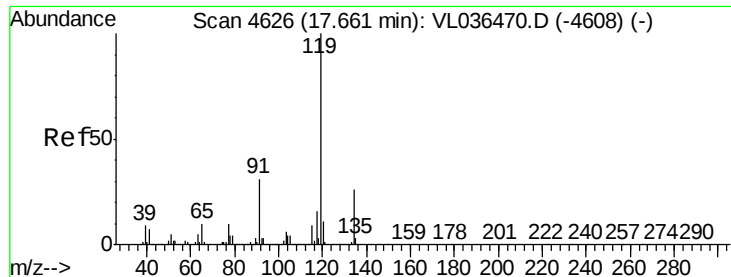
1000000

500000

0

Time-->



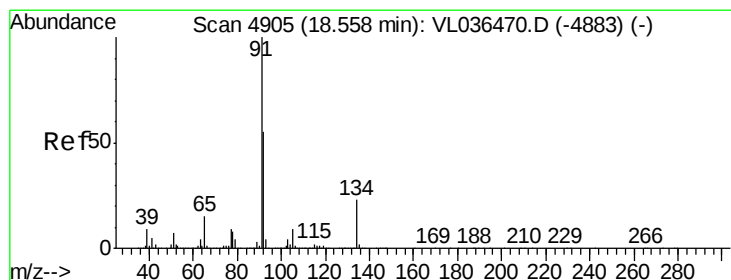
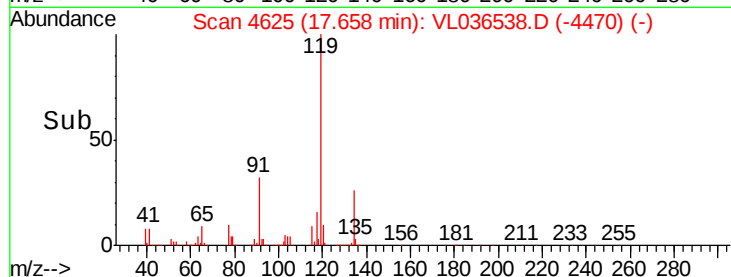
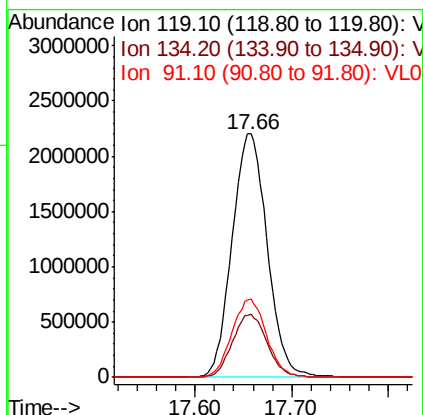
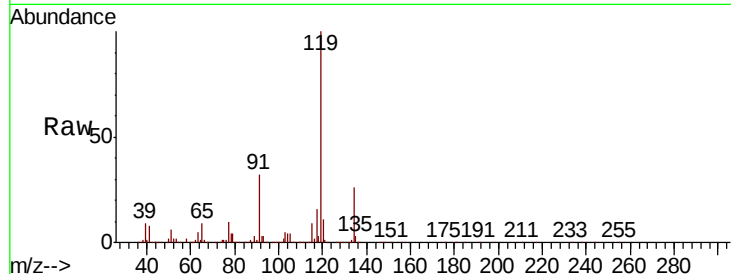


#69
 p-Isopropyltoluene
 Concen: 7.822 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 119 Resp: 5564026

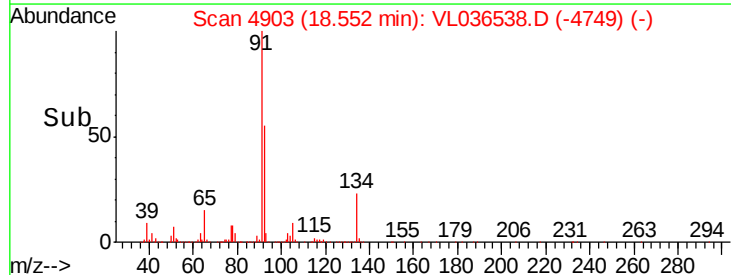
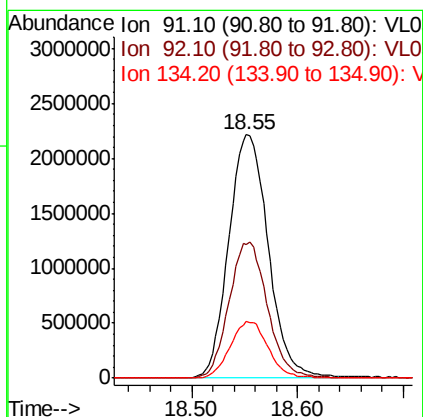
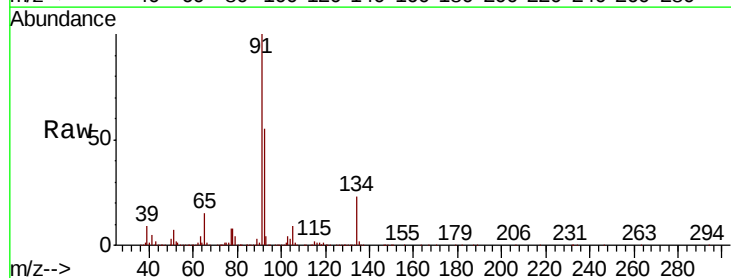
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	31.5	25.0	37.6

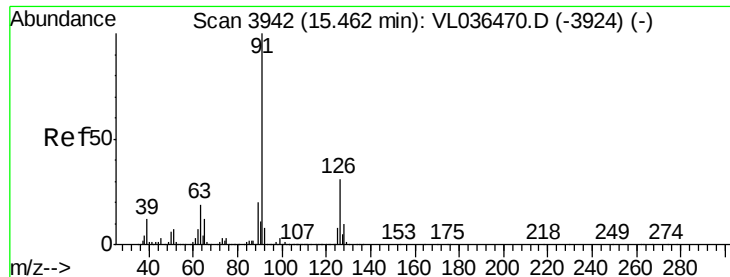


#70
 n-Butylbenzene
 Concen: 7.791 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion: 91 Resp: 5745721

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.8	65.8
134	22.5	18.0	27.0

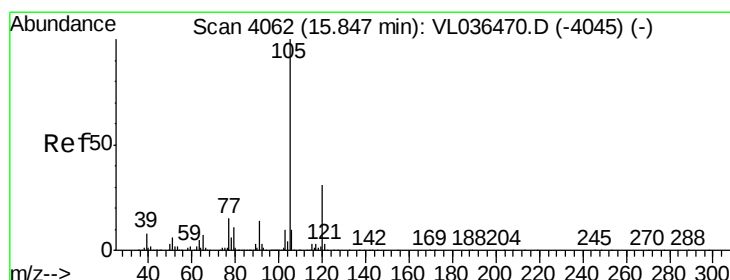
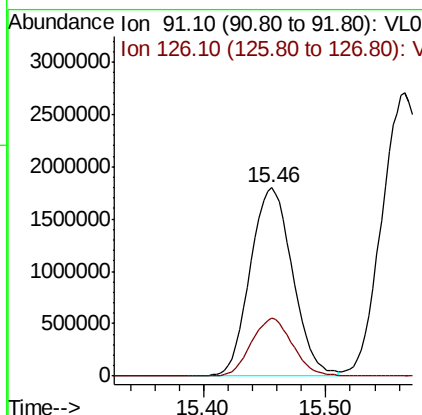
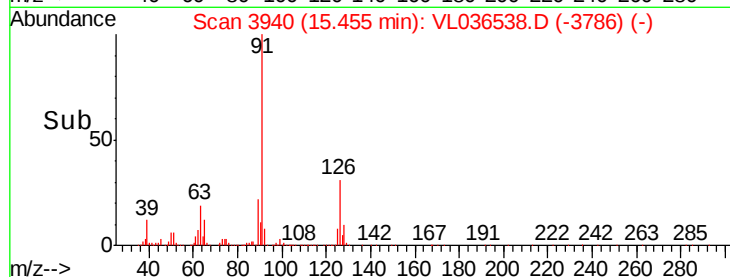
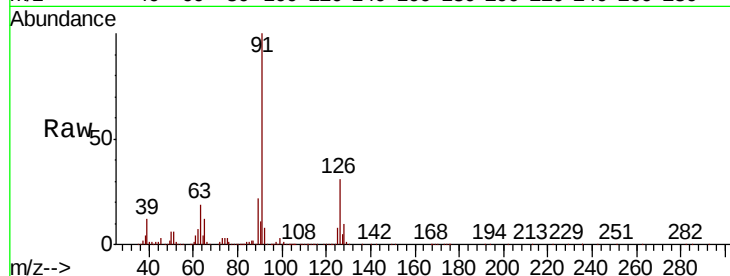




#71
 2-Chlorotoluene
 Concen: 7.761 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

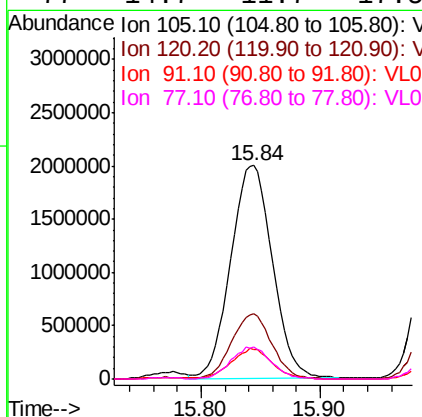
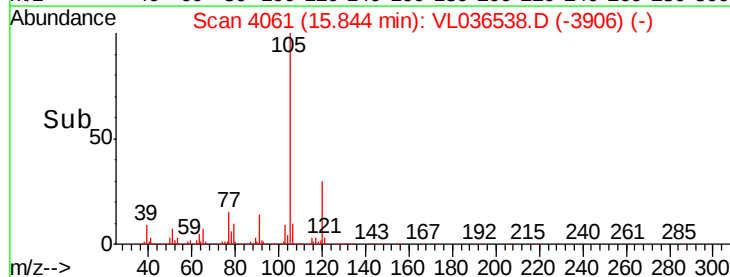
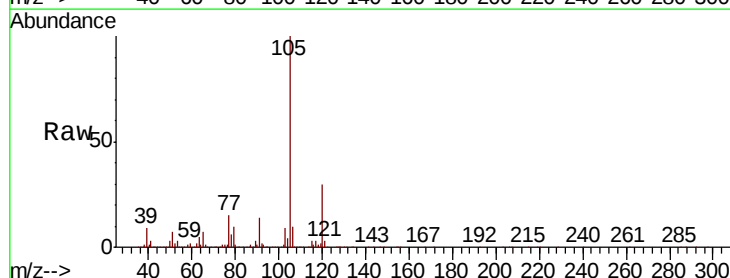
Instrument :
 MSVOA_L
 ClientSampleId :

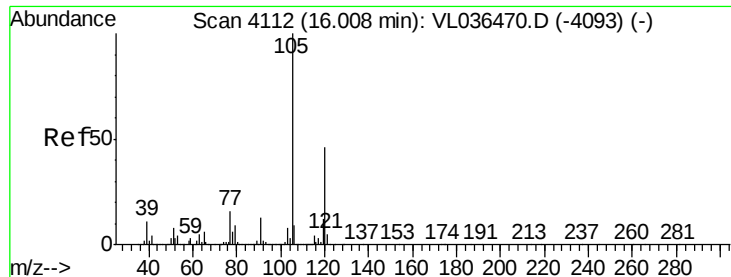
Tot Ion: 91 Resp: 4327905
 Ion Ratio Lower Upper
 91 100
 126 30.1 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 7.980 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion:105 Resp: 4832140
 Ion Ratio Lower Upper
 105 100
 120 29.8 24.0 36.0
 91 14.9 11.0 16.4
 77 14.7 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.729 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

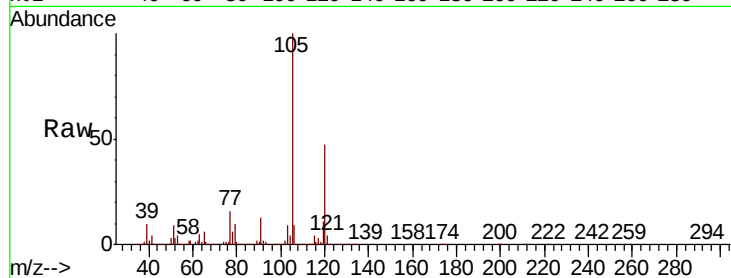
ClientSampleId :

Tot Ion:105 Resp: 4368433

Ion Ratio Lower Upper

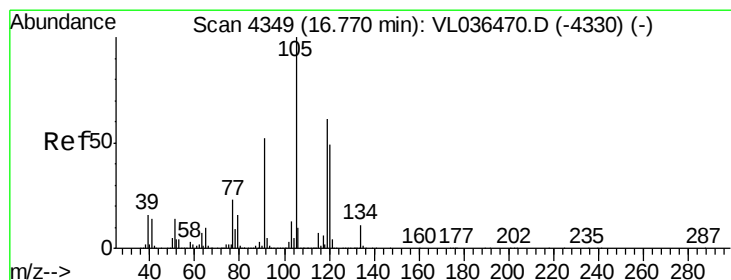
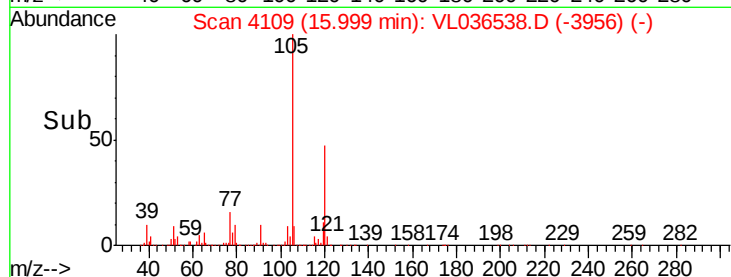
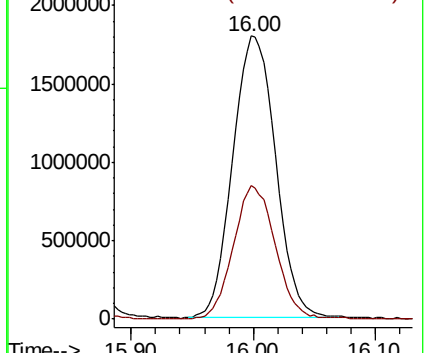
105 100

120 47.5 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.447 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Tgt Ion:105 Resp: 4503771

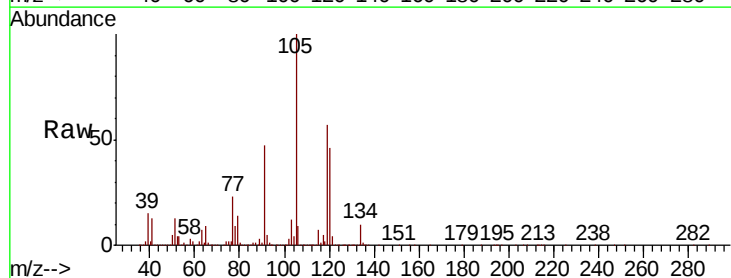
Ion Ratio Lower Upper

105 100

120 46.3 39.2 58.8

91 46.6 42.6 64.0

77 22.9 18.6 28.0

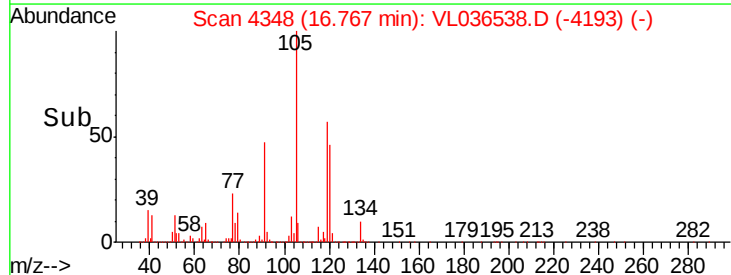
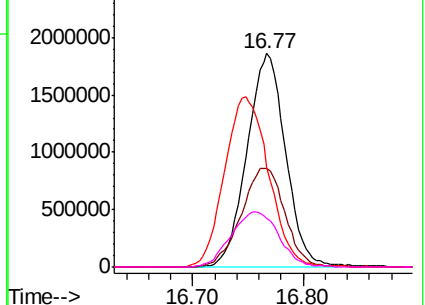


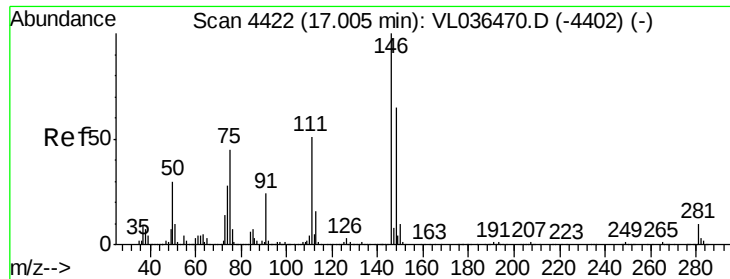
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.511 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

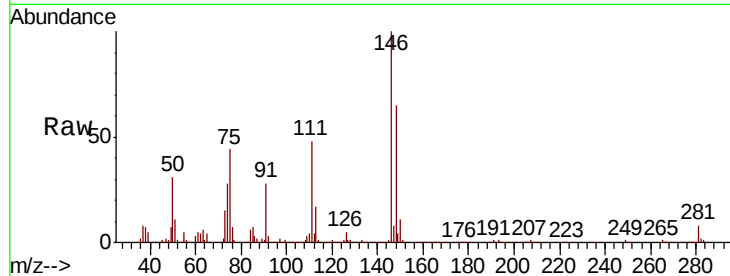
Tot Ion:146 Resp: 2556861

Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.5	73.5
148	64.6	32.3	96.9

146 100

111 49.0 24.5 73.5

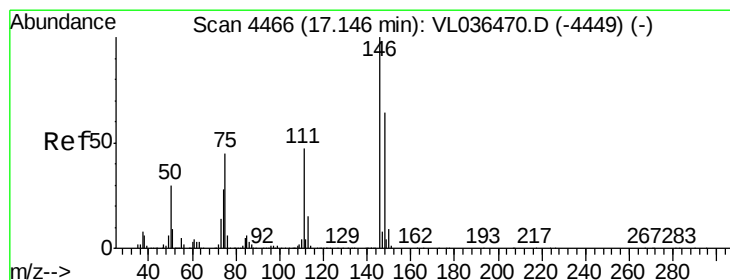
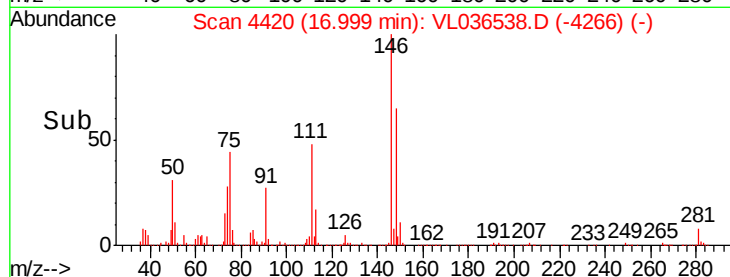
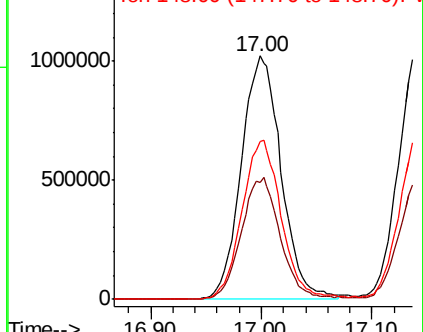
148 64.6 32.3 96.9



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



#76

1,4-Dichlorobenzene

Concen: 7.305 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

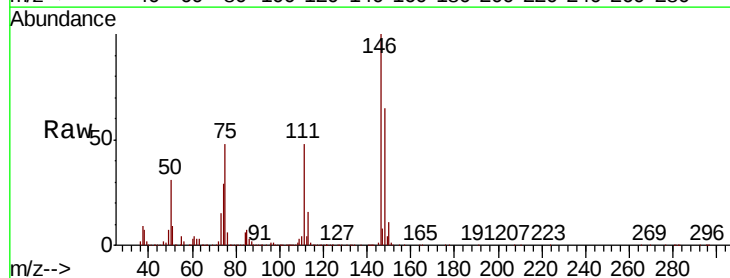
Tgt Ion:146 Resp: 2469237

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.3	72.8
148	66.6	33.0	98.9

146 100

111 48.8 24.3 72.8

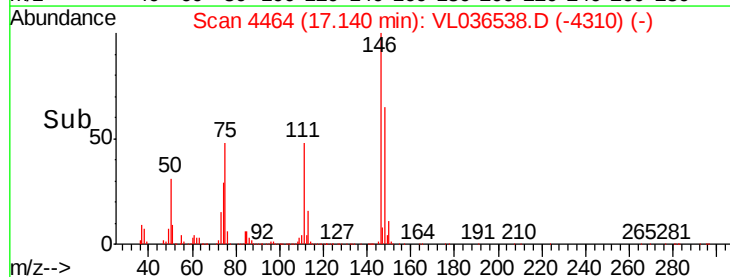
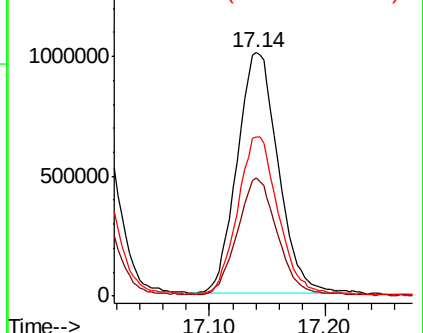
148 66.6 33.0 98.9

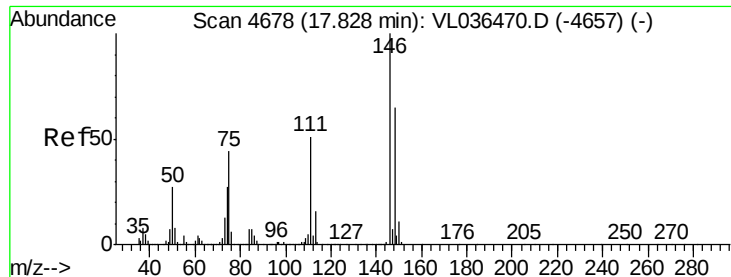


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

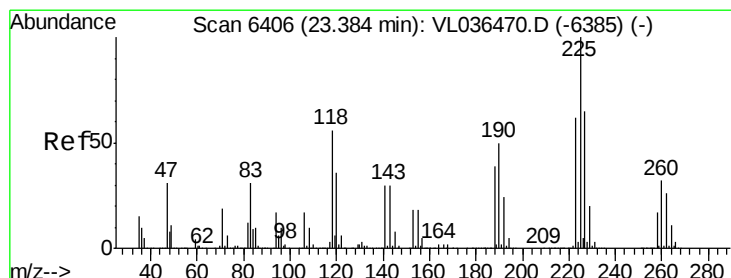
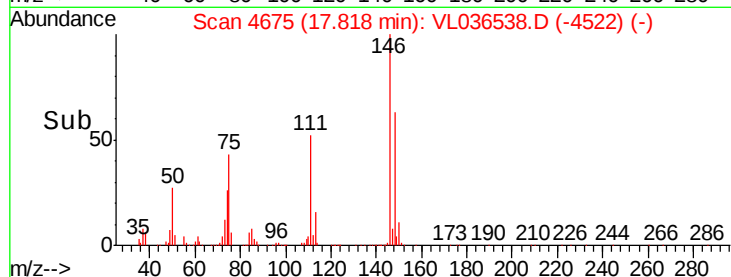
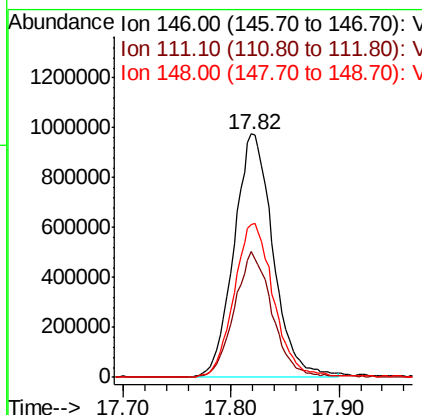
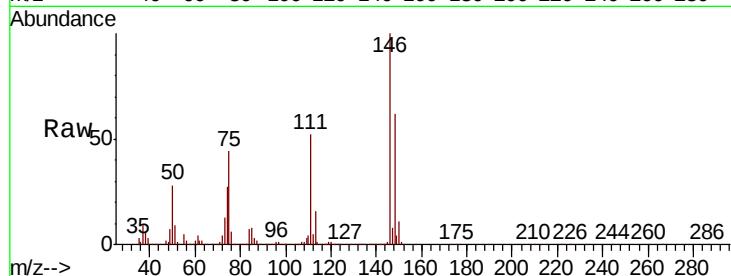




#77
 1,2-Dichlorobenzene
 Concen: 7.655 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

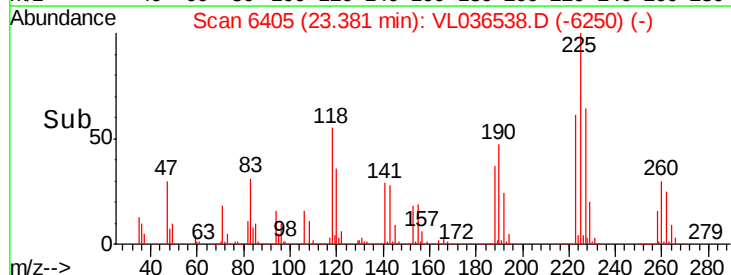
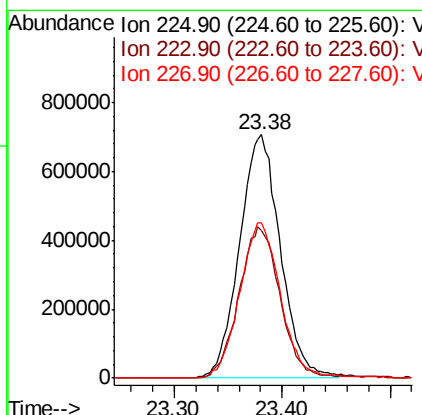
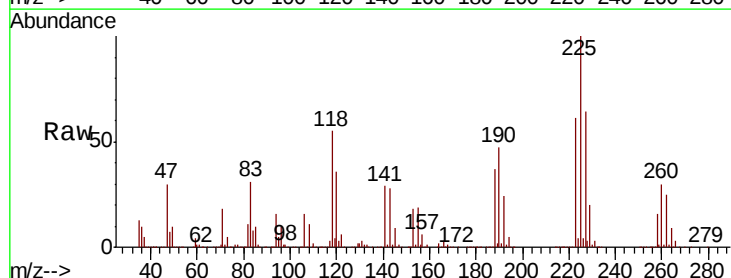
Instrument :
 MSVOA_L
 ClientSampleId :

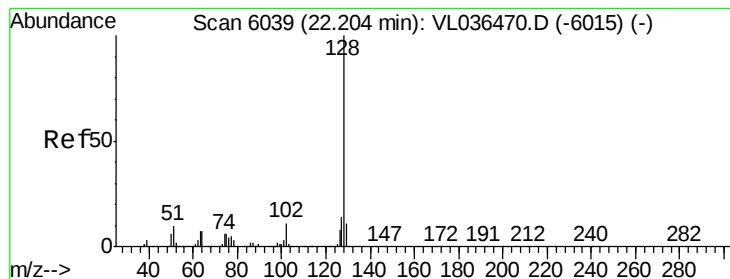
Tot Ion:146 Resp: 2449598
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.5 76.5
 148 64.2 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.478 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion:225 Resp: 1856584
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.6 75.8
 227 64.3 52.2 78.2





#79

Naphthalene

Concen: 8.908 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampled :

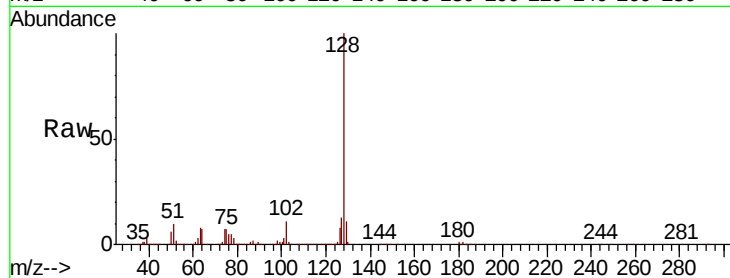
Tot Ion:128 Resp: 3143656

Ion Ratio Lower Upper

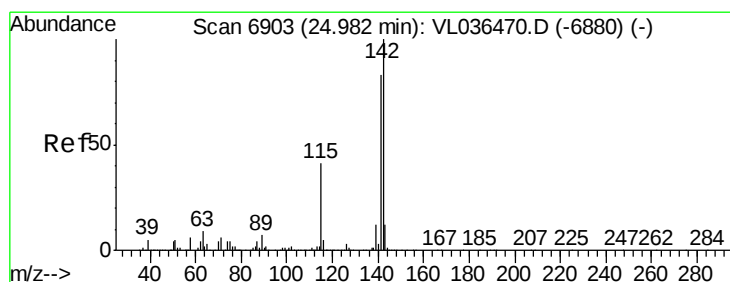
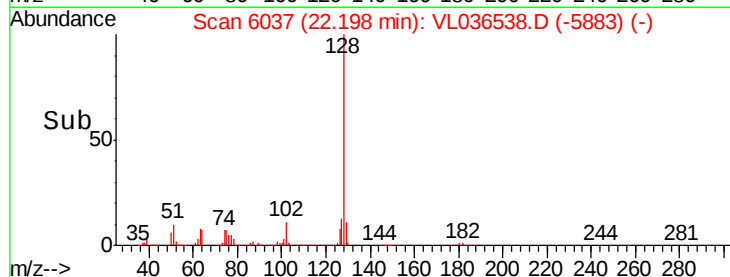
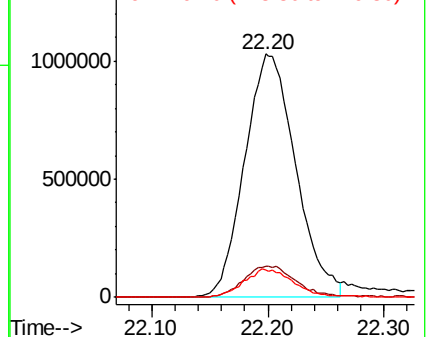
128 100

127 12.6 10.9 16.3

129 11.3 9.0 13.4



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: 9.272 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

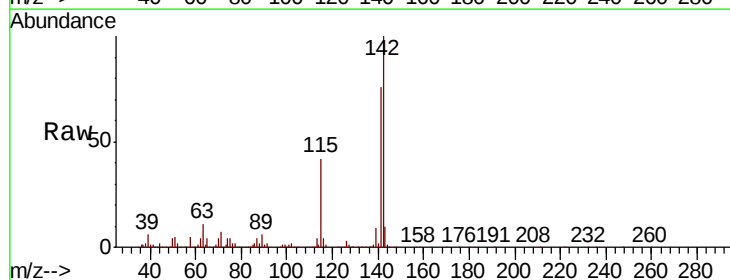
Tgt Ion:142 Resp: 645308

Ion Ratio Lower Upper

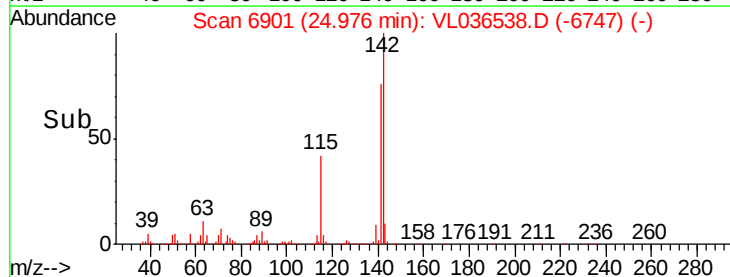
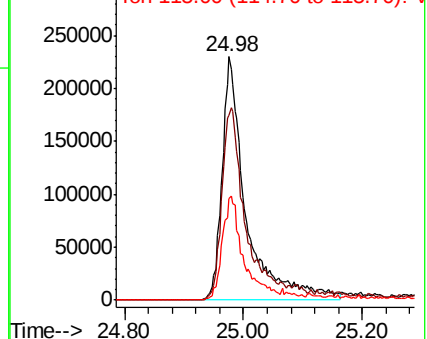
142 100

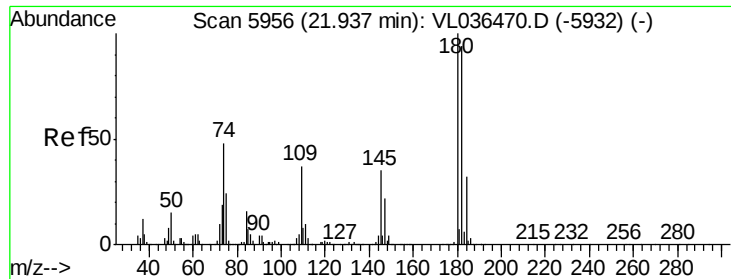
141 83.1 67.8 101.8

115 37.7 34.0 51.0



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

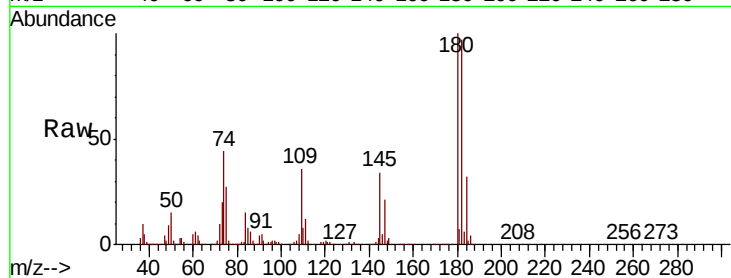




#81
 1,2,4-Trichlorobenzene
 Concen: 8.277 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1803484
 Ion Ratio Lower Upper
 180 100
 182 102.5 80.8 121.2
 184 32.0 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 800000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

