

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036071.D
 Acq On : 7 Dec 2020 17:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 08 08:37:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1259506	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2915205	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3326317	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2200785	8.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1246577	8.493	ppbv 99
3) Chlorodifluoromethane	2.99	51	1388809	9.664	ppbv 99
4) Chloromethane	3.15	50	688171	9.754	ppbv 97
5) Vinyl Chloride	3.26	62	664689	8.468	ppbv 100
6) Bromomethane	3.48	94	378694	9.351	ppbv 94
7) Chloroethane	3.56	64	241800	9.043	ppbv 91
8) Dichlorotetrafluoroethane	3.19	85	1591771	9.758	ppbv 96
9) Propene	3.01	41	681077	9.461	ppbv 97
10) Heptane	8.15	43	1727000	9.393	ppbv 100
11) Trichlorofluoromethane	3.96	101	1675451	9.709	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1127336	9.619	ppbv 100
13) Ethanol	3.62	45	97035	9.778	ppbv 97
14) Bromoethene	3.75	108	480663	9.997	ppbv 95
15) Acetone	3.86	43	1458856	9.637	ppbv 100
16) 1,3-Butadiene	3.34	39	677765	8.890	ppbv 93
17) tert-Butyl alcohol	4.30	59	1460326	9.960	ppbv 100
18) 1,1-Dichloroethene	4.30	96	490924	9.434	ppbv 92
19) Isopropyl Alcohol	3.98	45	898530	9.712	ppbv # 100
20) Methylene Chloride	4.36	84	448963	7.238	ppbv 95
21) Allyl Chloride	4.42	41	929420	9.234	ppbv 94
22) trans-1,2-Dichloroethene	4.90	96	479107	9.196	ppbv 95
23) Vinyl Acetate	5.09	43	2054049	10.192	ppbv # 99
24) 1,1-Dichloroethane	5.03	63	1339078	9.447	ppbv 97
25) Ethyl Acetate	5.70	43	2922150	9.663	ppbv 100
26) Hexane	5.71	57	1199102	8.810	ppbv 99
27) Carbon Disulfide	4.56	76	1358566	10.044	ppbv 98
28) Methyl tert-Butyl Ether	5.05	73	1852360	9.573	ppbv 99
29) Chloroform	5.77	83	1726846	9.662	ppbv 97
30) Cyclohexane	7.15	84	951972	9.522	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1219489	9.857	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	1748687	9.482	ppbv 100
34) 2-Butanone	5.26	43	1789283	9.253	ppbv 99
35) Carbon Tetrachloride	7.04	117	1722010	10.130	ppbv 99
36) Benzene	6.92	78	2382125	9.642	ppbv 96
37) 1,2-Dichloroethane	6.33	62	1416622	9.895	ppbv 100
38) Trichloroethene	7.86	130	814443	8.819	ppbv 97
39) 1,2-Dichloropropane	7.64	63	951375	9.751	ppbv 95
40) 1,4-Dioxane	7.85	88	301139	9.813	ppbv # 99
41) Tetrahydrofuran	6.06	42	1090205	9.490	ppbv 98
42) Bromodichloromethane	7.82	83	1942738	10.184	ppbv 99
43) Methyl Methacrylate	8.03	69	1079835	10.188	ppbv 99

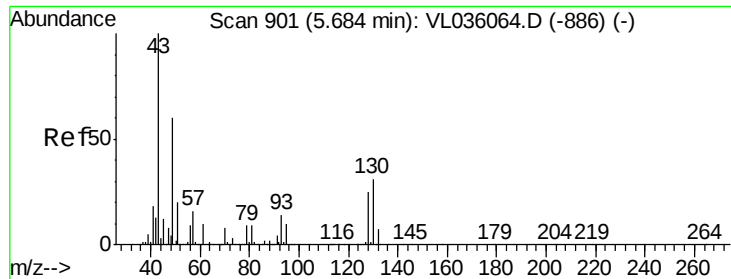
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036071.D
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Quant Time: Dec 08 08:37:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4251394	9.502	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1205177	11.068	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1401109	10.266	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	919786	9.799	ppbv	97
48) Dibromochloromethane	10.33	129	1542769	10.884	ppbv	100
49) Bromoform	13.07	173	1308997	11.733	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2866345	9.939	ppbv	100
51) 2-Hexanone	10.16	43	2332629	10.348	ppbv	99
52) Tetrachloroethene	11.25	164	787587	8.806	ppbv	95
53) Toluene	9.83	91	2731974	9.848	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1399663	9.948	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1153964	8.367	ppbv	97
57) Chlorobenzene	12.18	112	1883801	8.067	ppbv	99
58) Ethyl Benzene	12.74	91	3690505	8.096	ppbv	97
59) m/p-Xylene	13.02	91	2653357	6.911	ppbv #	10
60) o-Xylene	13.72	91	2879531	7.960	ppbv	99
61) Styrene	13.56	104	2071552	8.920	ppbv	99
62) Isopropylbenzene	14.70	105	4297638	8.015	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1944473	7.981	ppbv	100
64) n-propylbenzene	15.59	120	1084390	8.406	ppbv	99
65) tert-Butylbenzene	16.78	119	3626603	8.263	ppbv	100
66) Benzyl Chloride	17.02	91	1413075	12.930	ppbv	100
67) sec-Butylbenzene	17.33	105	5120932	8.337	ppbv	100
69) p-Isopropyltoluene	17.68	119	4178447	8.552	ppbv	99
70) n-Butylbenzene	18.58	91	4320665	8.947	ppbv	99
71) 2-Chlorotoluene	15.48	91	3400431	8.389	ppbv	99
72) 4-Ethyltoluene	15.87	105	3344617	8.535	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3126236	8.353	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3157978	8.406	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1686456	8.968	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1622826	8.476	ppbv	97
77) 1,2-Dichlorobenzene	17.85	146	1596062	8.889	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1032514	7.175	ppbv	99
79) Naphthalene	22.24	128	1740437	9.114	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	836934	19.600	ppbv	96
81) 1,2,4-Trichlorobenzene	21.97	180	1032533	8.093	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

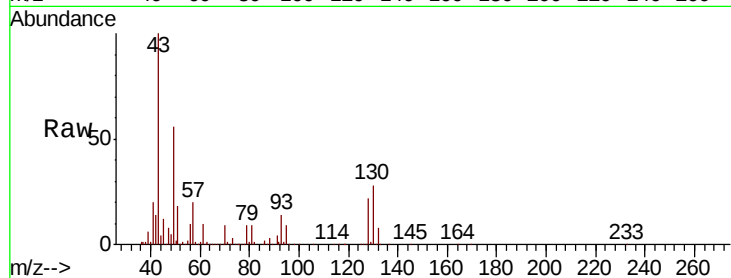
Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1259506

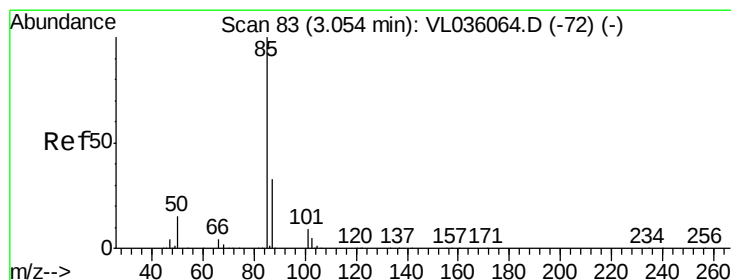
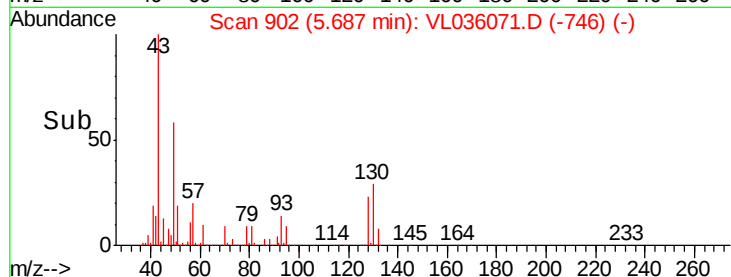
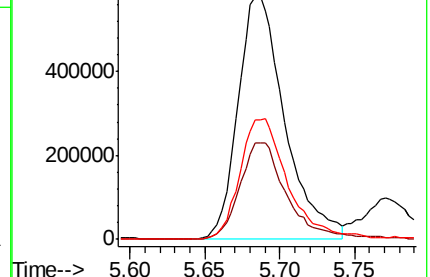
Ion	Ratio	Lower	Upper
49	100		
128	40.9	21.1	63.1
130	52.3	27.1	81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.493 ppbv

RT: 3.05 min Scan# 83

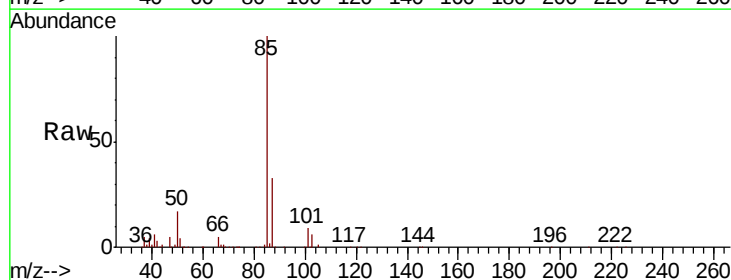
Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

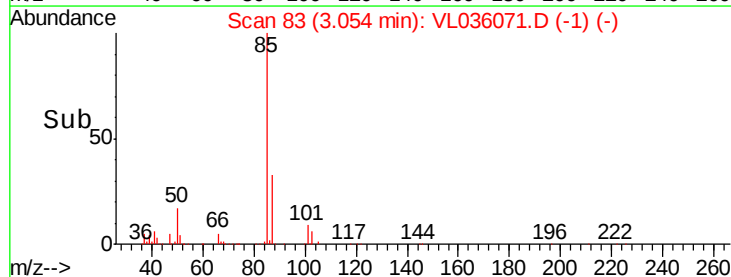
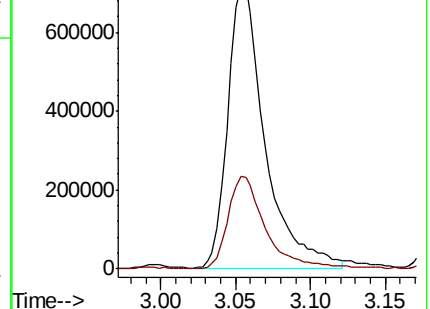
Tgt Ion: 85 Resp: 1246577

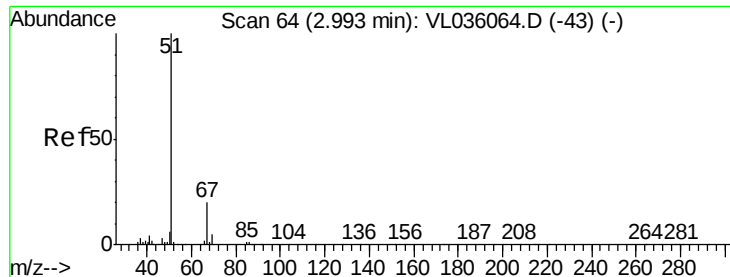
Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.5	39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

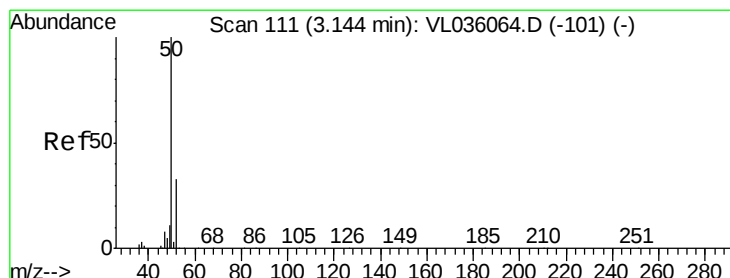
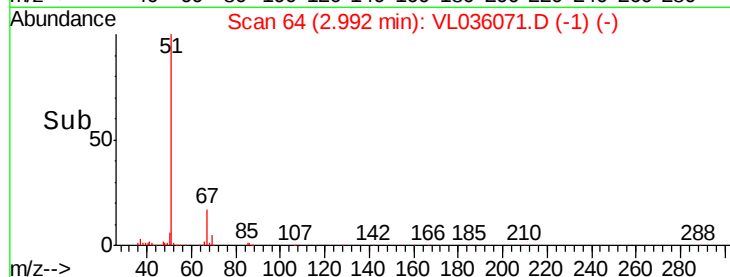
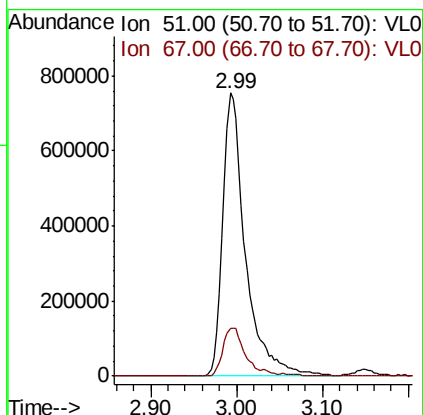
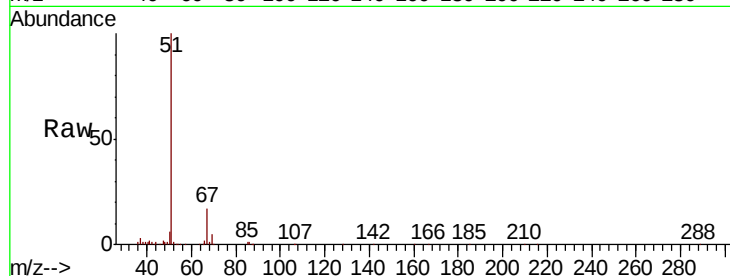




#3
Chlorodifluoromethane
Concen: 9.664 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

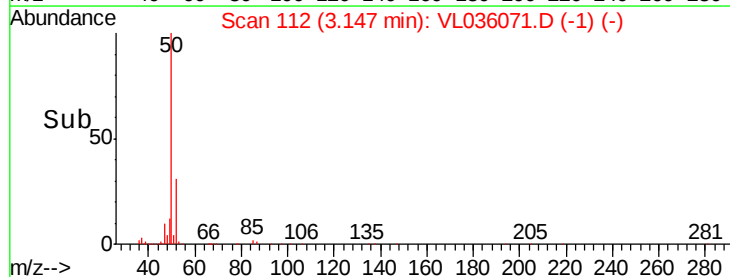
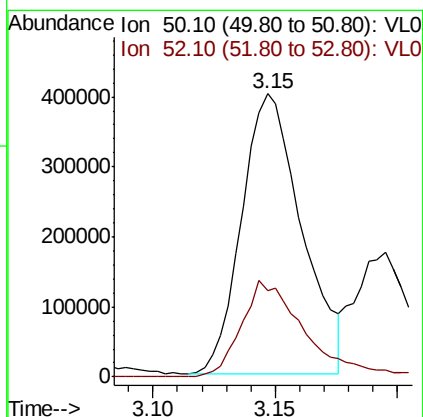
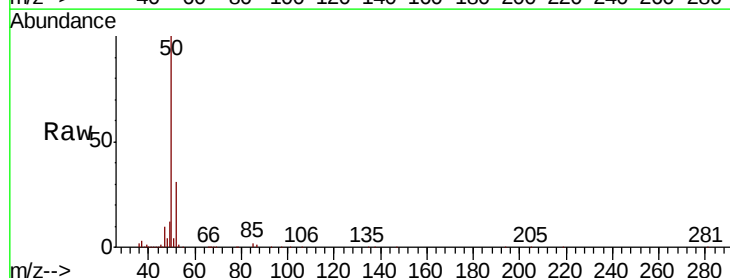
Instrument :
MSVOA_L
ClientSampleId :

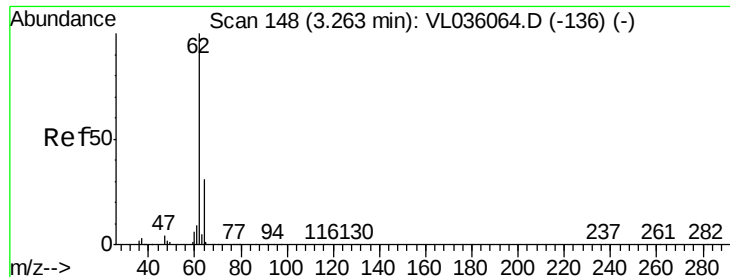
Tot Ion: 51 Resp: 1388809
Ion Ratio Lower Upper
51 100
67 17.6 14.3 21.5



#4
Chloromethane
Concen: 9.754 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 50 Resp: 688171
Ion Ratio Lower Upper
50 100
52 30.8 26.1 39.1





#5

Vinyl Chloride

Concen: 8.468 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

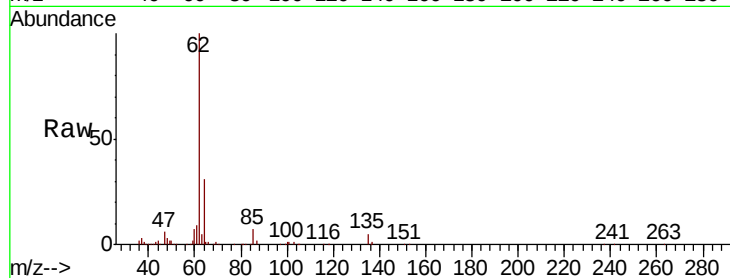
ClientSampled :

Tot Ion: 62 Resp: 664689

Ion Ratio Lower Upper

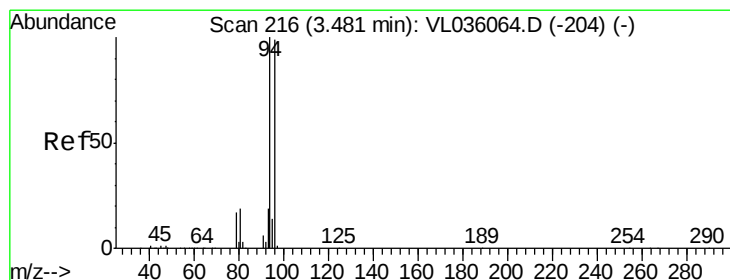
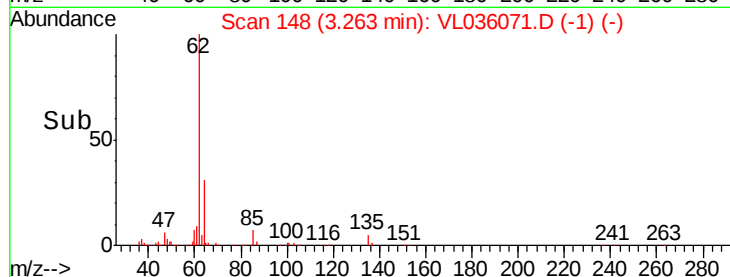
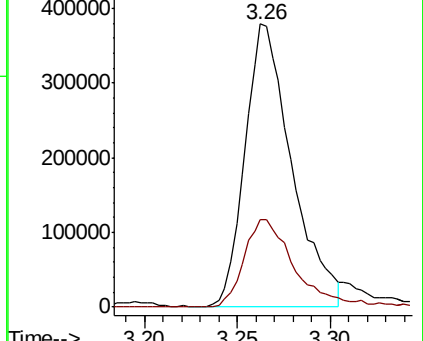
62 100

64 30.8 24.5 36.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.351 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL036071.D

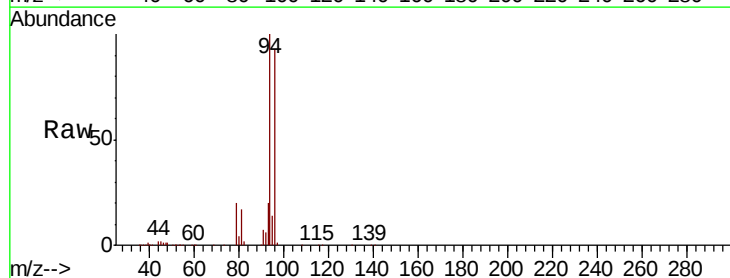
Acq: 7 Dec 2020 17:14

Tgt Ion: 94 Resp: 378694

Ion Ratio Lower Upper

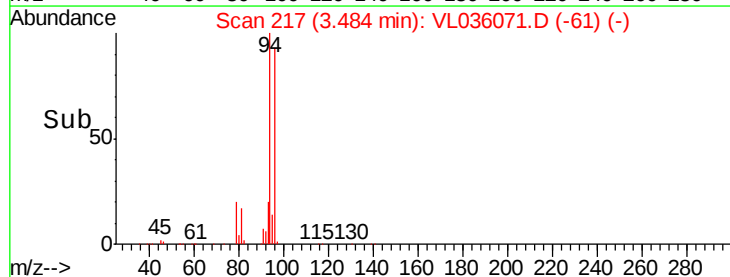
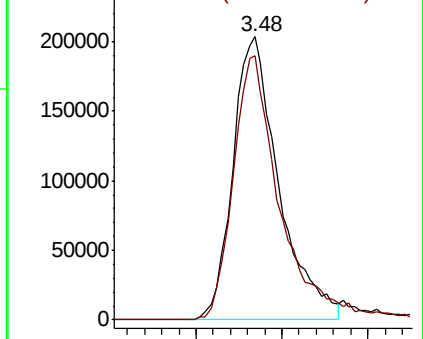
94 100

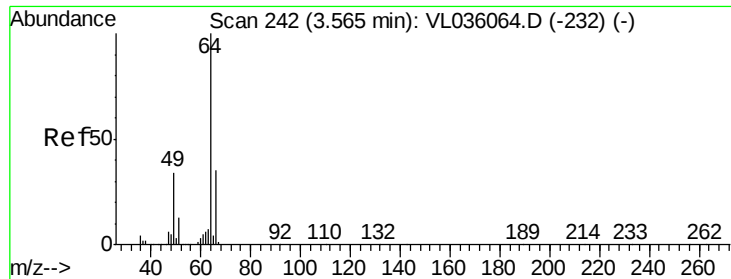
96 93.2 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.043 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

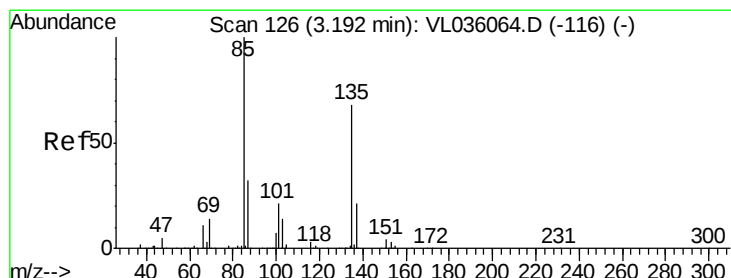
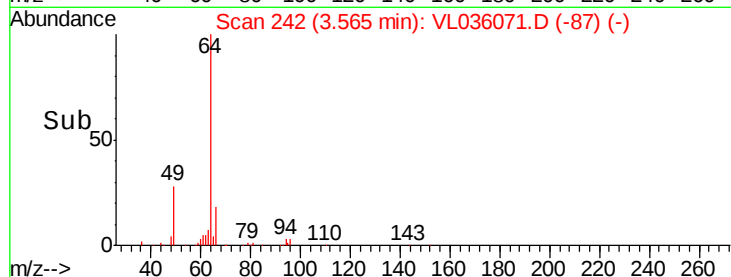
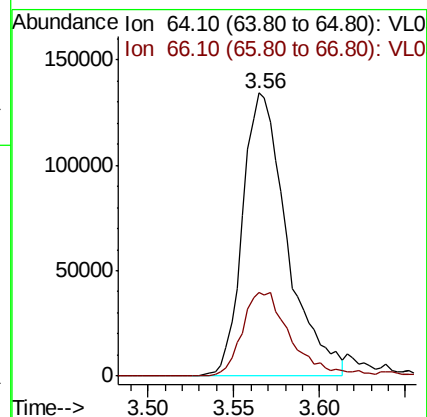
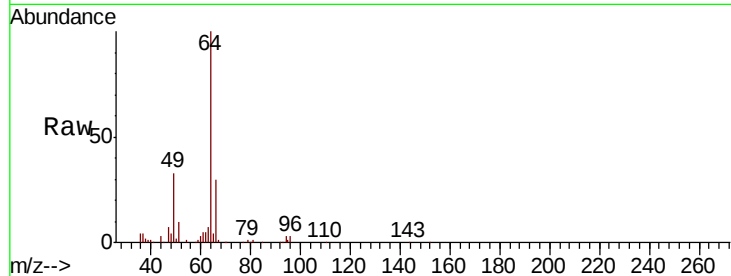
ClientSampleId :

Tot Ion: 64 Resp: 241800

Ion Ratio Lower Upper

64 100

66 29.5 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 9.758 ppbv

RT: 3.19 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL036071.D

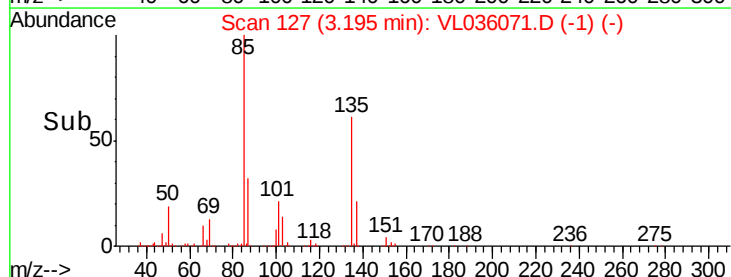
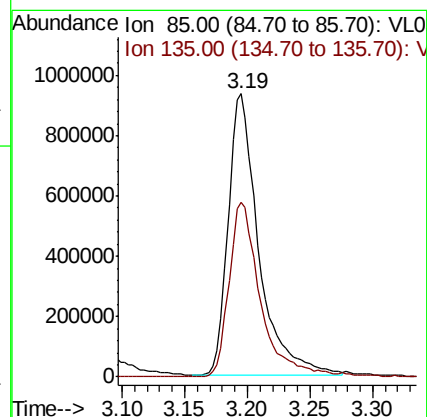
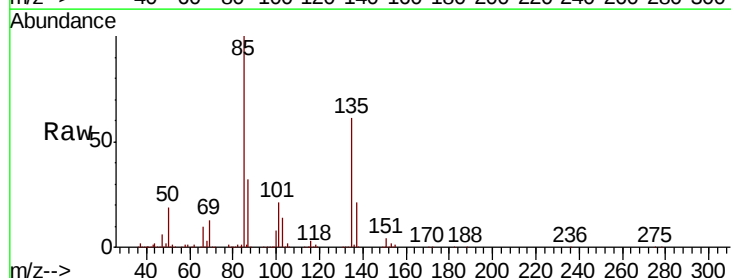
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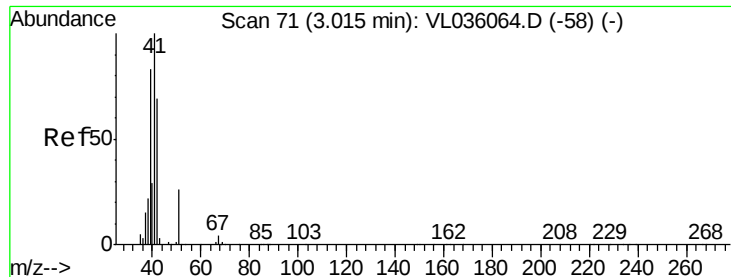
Tgt Ion: 85 Resp: 1591771

Ion Ratio Lower Upper

85 100

135 64.4 53.8 80.8





#9

Propene

Concen: 9.461 ppbv

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

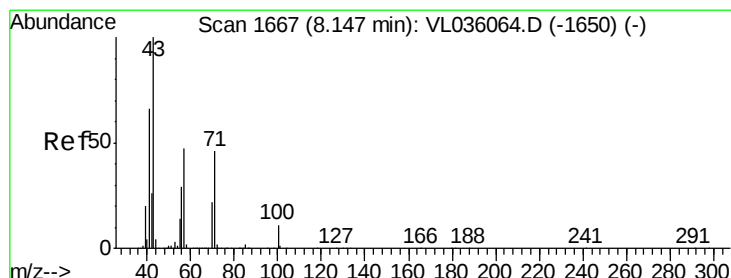
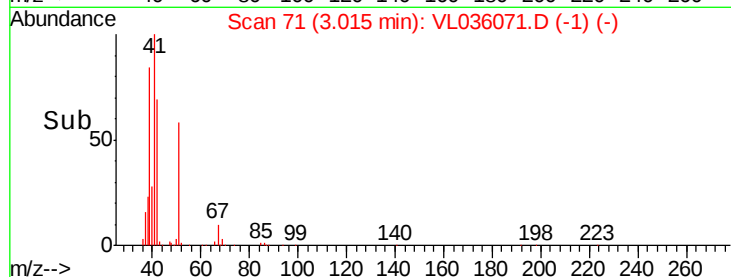
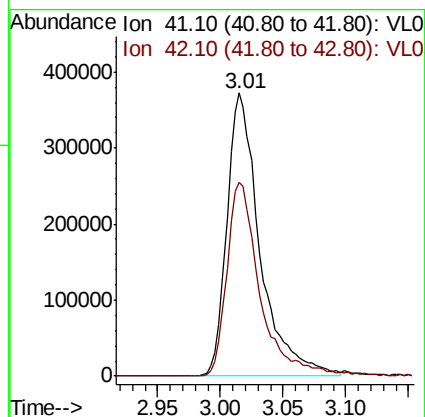
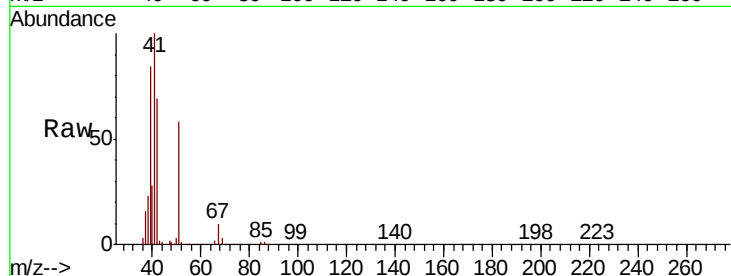
ClientSampleId :

Tot Ion: 41 Resp: 681077

Ion Ratio Lower Upper

41 100

42 69.0 57.0 85.6



#10

Heptane

Concen: 9.393 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VL036071.D

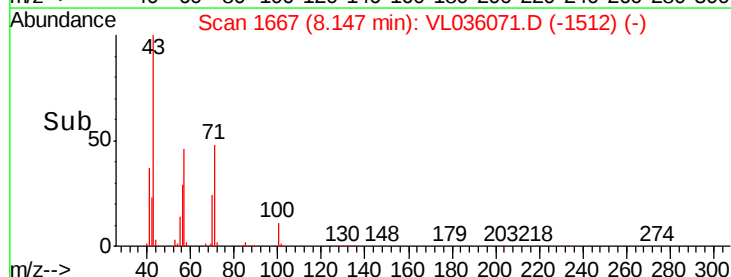
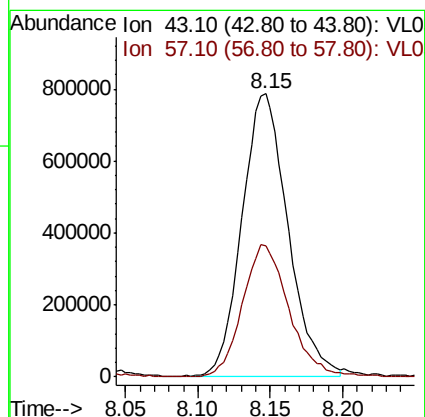
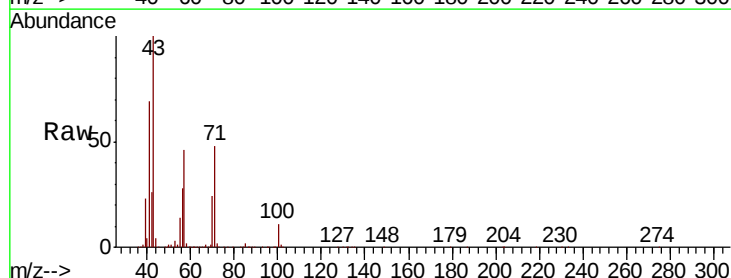
Acq: 7 Dec 2020 17:14

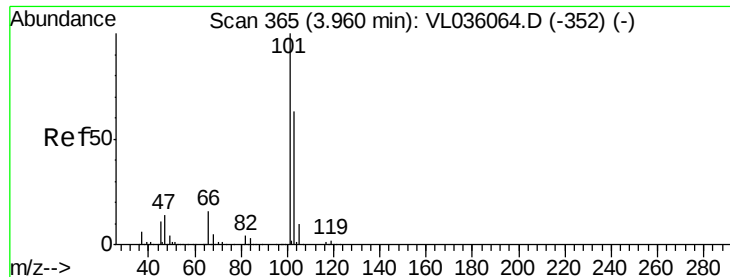
Tgt Ion: 43 Resp: 1727000

Ion Ratio Lower Upper

43 100

57 47.7 37.9 56.9

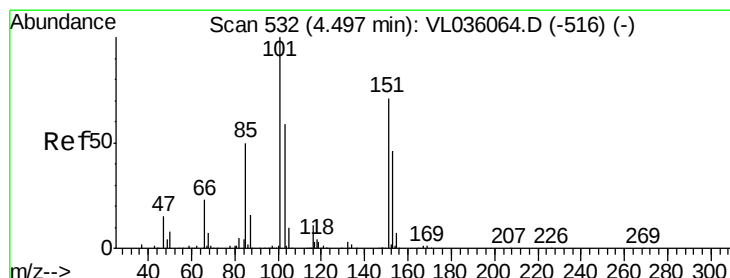
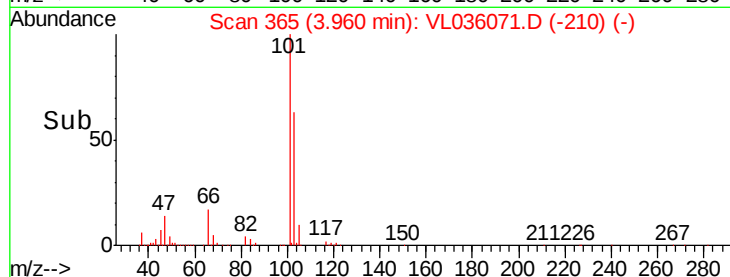
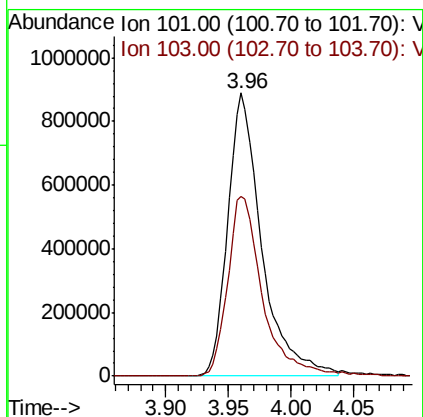
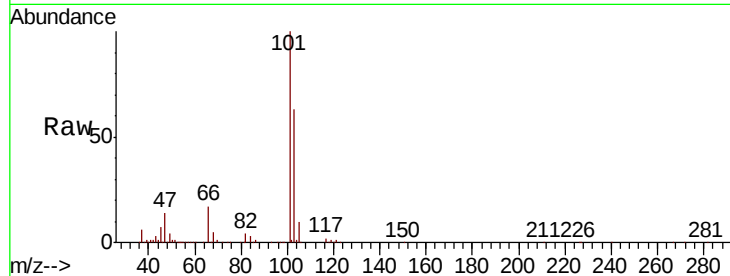




#11
 Trichlorofluoromethane
 Concen: 9.709 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

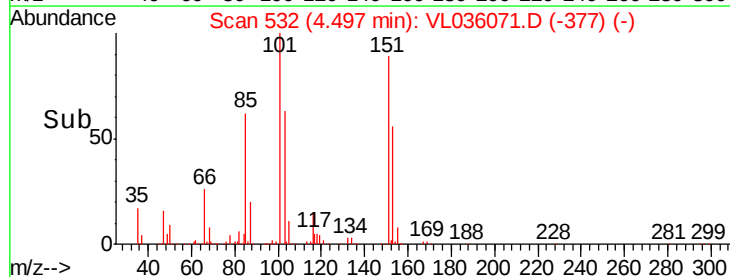
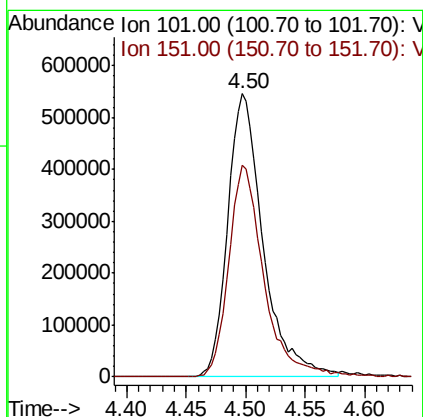
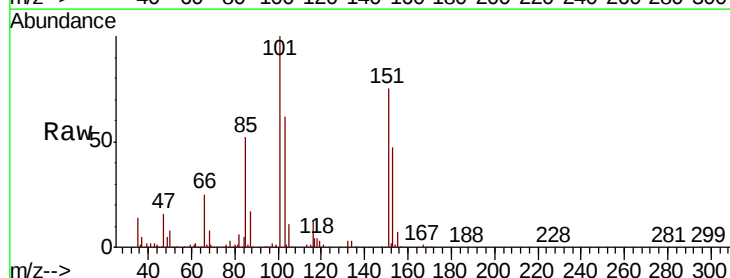
Instrument :
 MSVOA_L
 ClientSampleId :

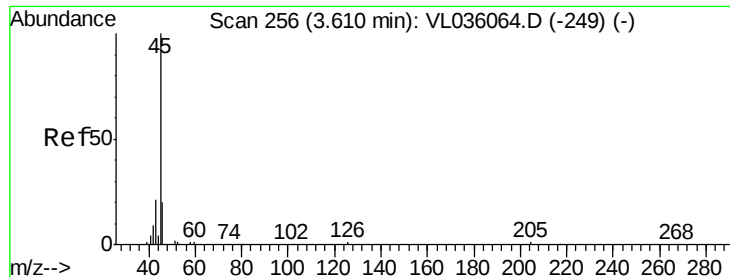
Tot Ion:101 Resp: 1675451
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.619 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion:101 Resp: 1127336
 Ion Ratio Lower Upper
 101 100
 151 74.3 59.3 88.9

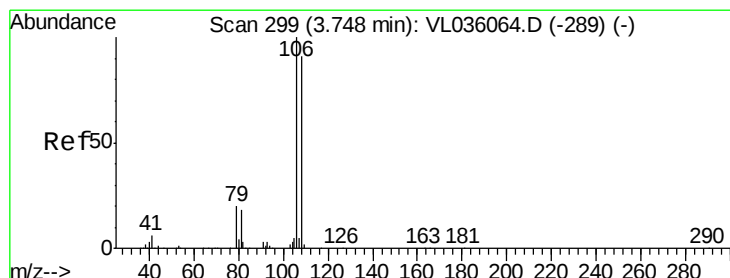
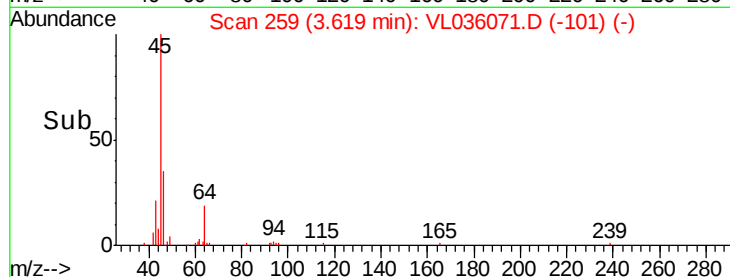
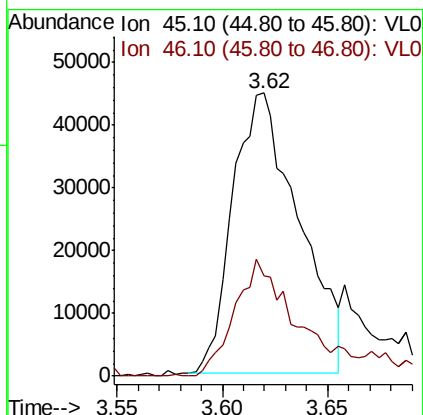
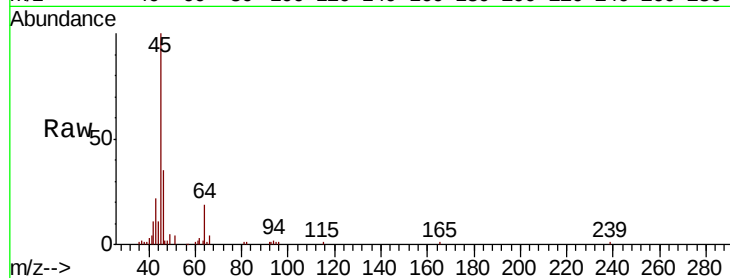




#13
Ethanol
Concen: 9.778 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

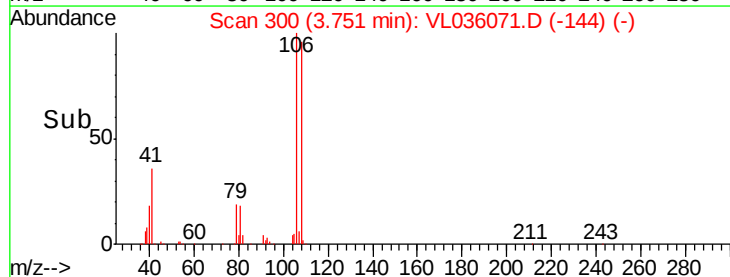
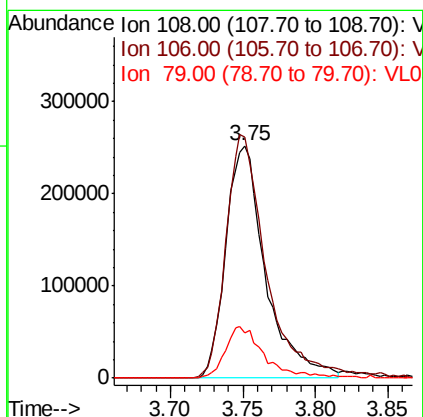
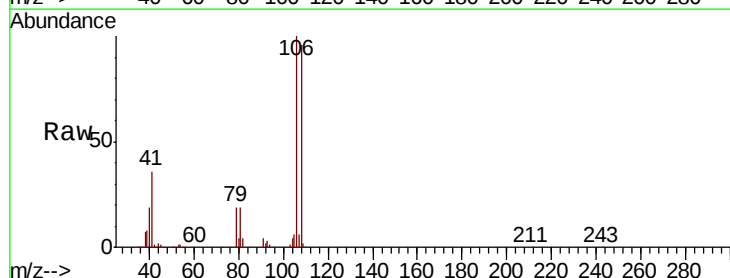
Instrument :
MSVOA_L
ClientSampled :

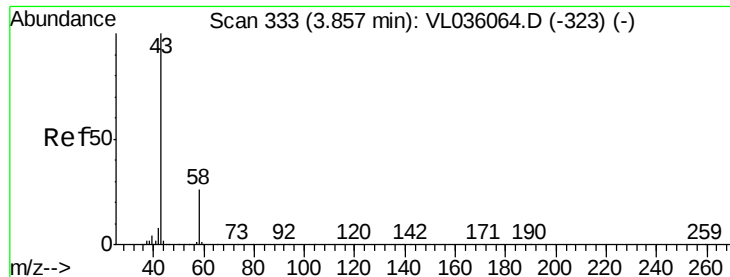
Tot Ion: 45 Resp: 97035
Ion Ratio Lower Upper
45 100
46 45.3 19.0 75.8



#14
Bromoethene
Concen: 9.997 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 108 Resp: 480663
Ion Ratio Lower Upper
108 100
106 108.2 91.0 136.4
79 21.7 19.3 28.9





#15

Acetone

Concen: 9.637 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

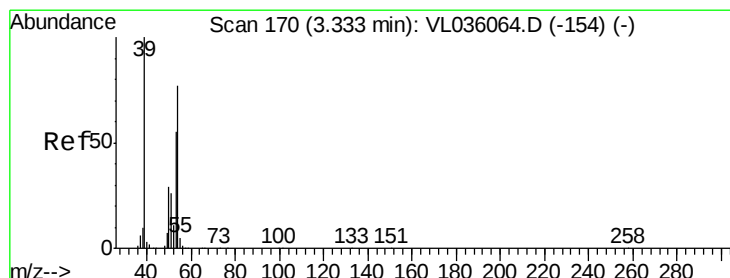
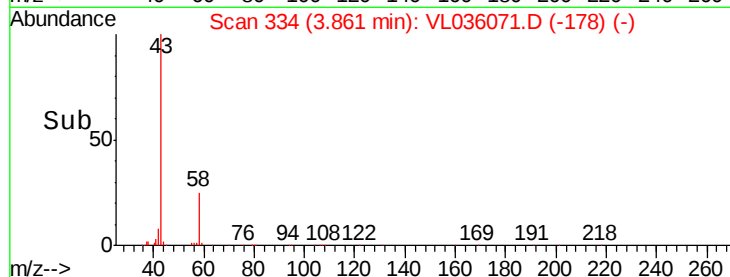
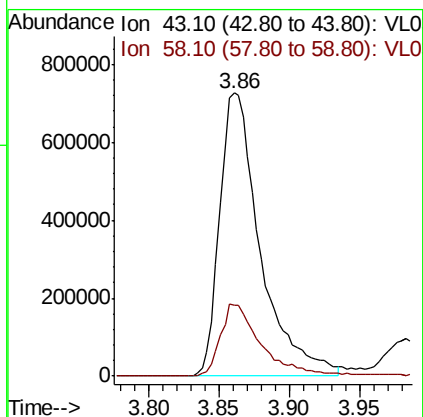
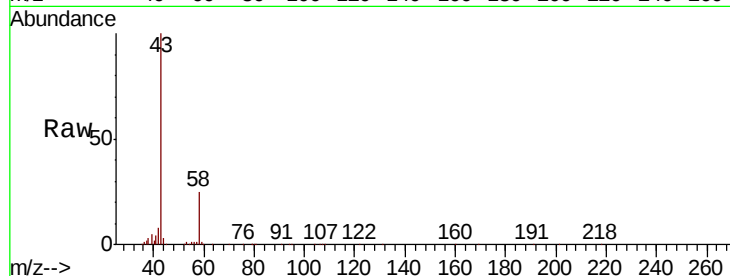
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1458856

Ion Ratio Lower Upper

43 100

58 26.0 20.9 31.3



#16

1,3-Butadiene

Concen: 8.890 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL036071.D

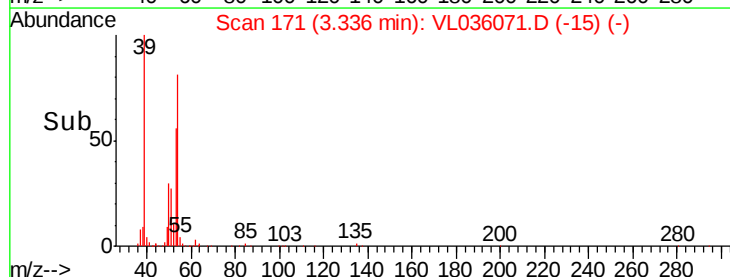
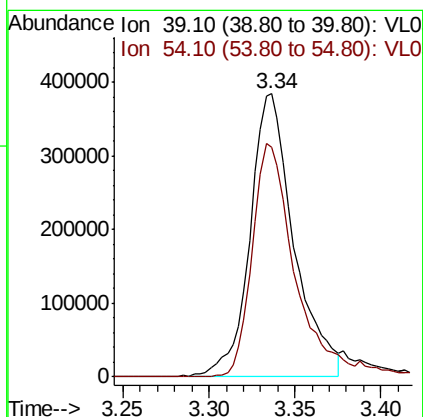
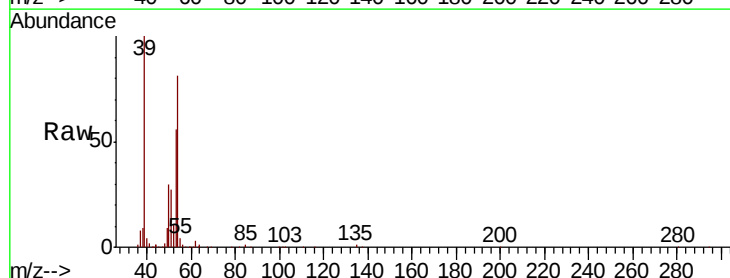
Acq: 7 Dec 2020 17:14

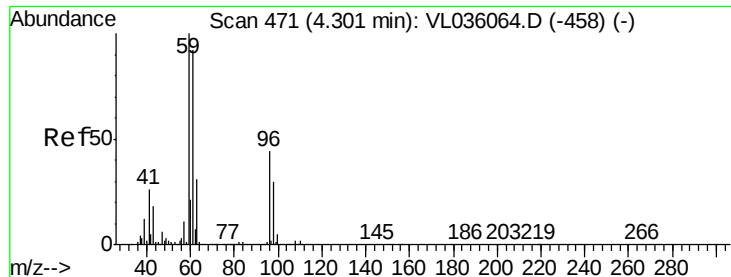
Tgt Ion: 39 Resp: 677765

Ion Ratio Lower Upper

39 100

54 83.5 62.1 93.1



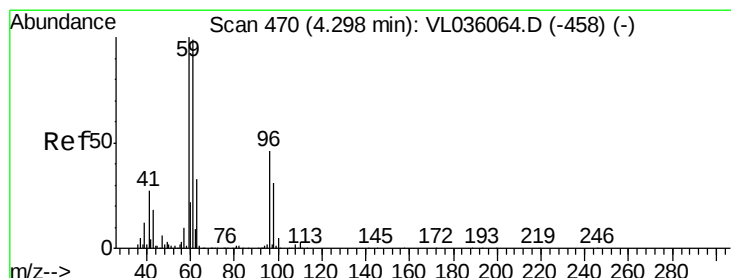
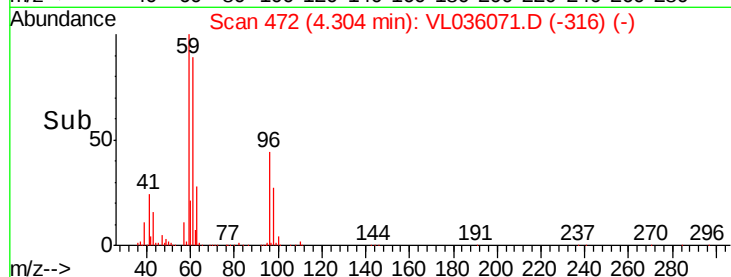
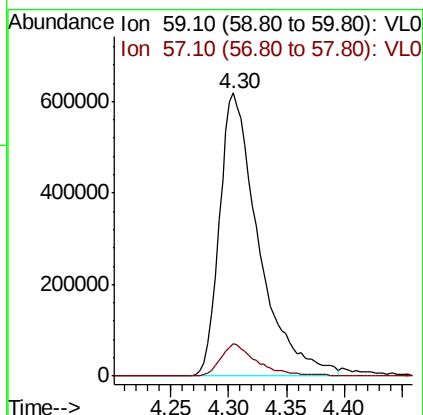
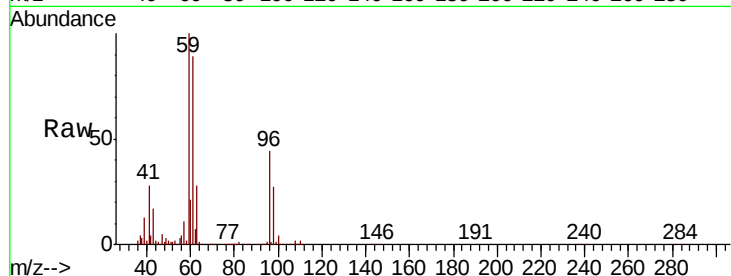


#17

tert-Butyl alcohol
Concen: 9.960 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampled :

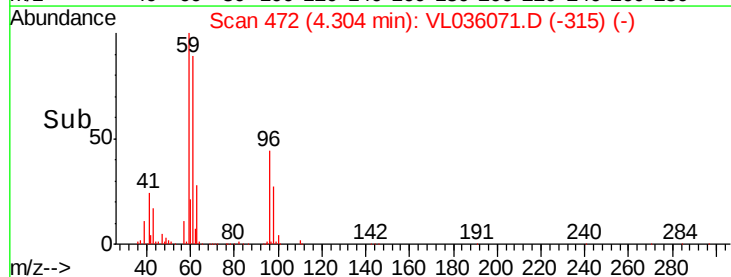
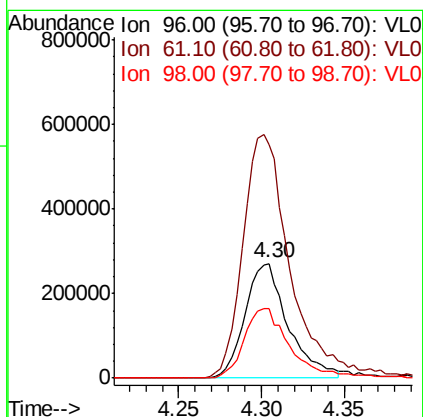
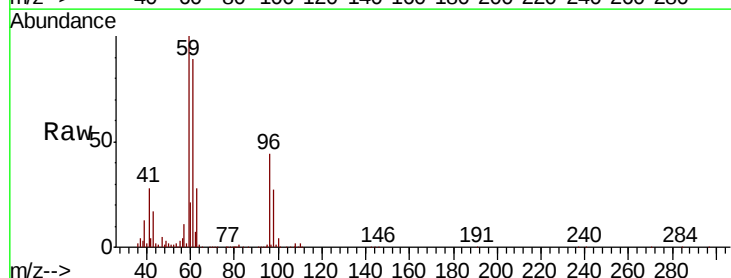
Tot Ion: 59 Resp: 1460326
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

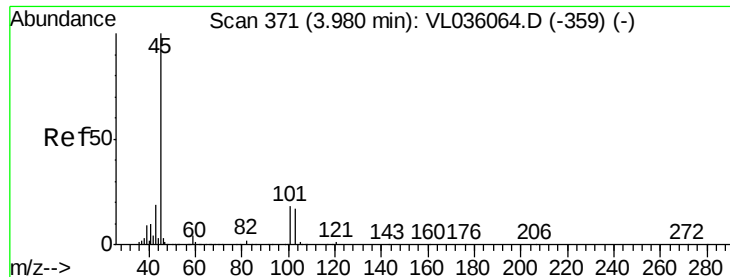


#18

1,1-Dichloroethene
Concen: 9.434 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 96 Resp: 490924
Ion Ratio Lower Upper
96 100
61 203.0 171.4 257.2
98 60.4 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.712 ppbv

RT: 3.98 min Scan# 371

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

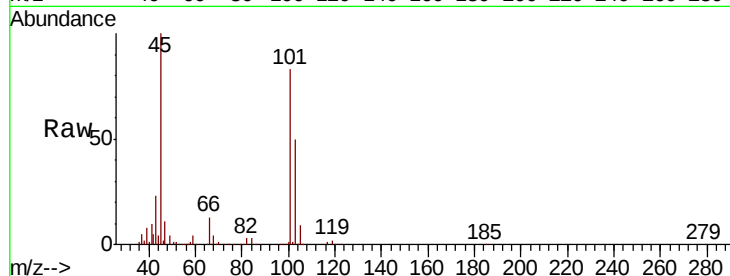
ClientSampled :

Tot Ion: 45 Resp: 898530

Ion Ratio Lower Upper

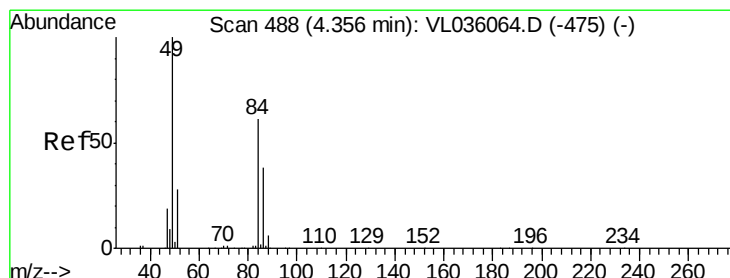
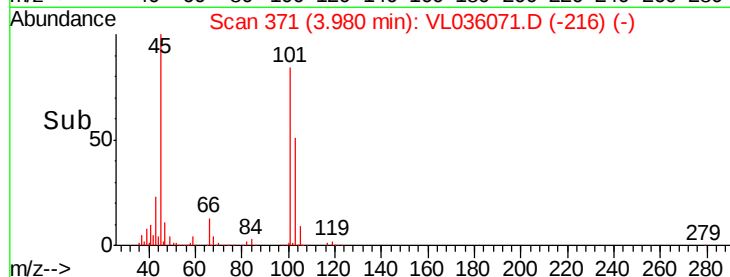
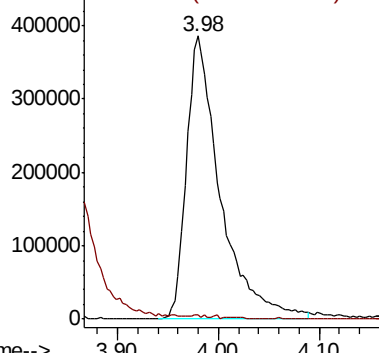
45 100

58 43.7 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.238 ppbv

RT: 4.36 min Scan# 488

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion: 84 Resp: 448963

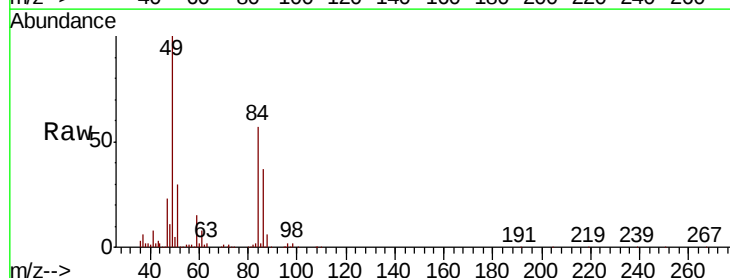
Ion Ratio Lower Upper

84 100

49 173.5 133.0 199.4

51 51.2 38.9 58.3

86 65.7 48.8 73.2

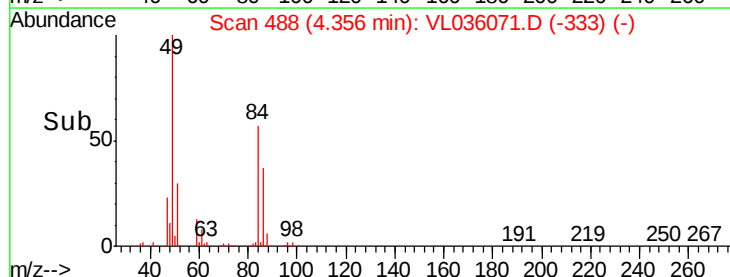
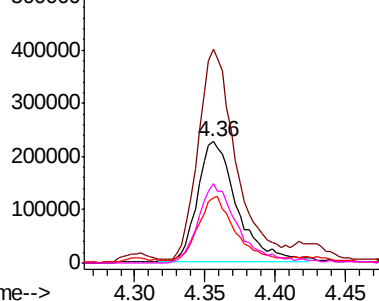


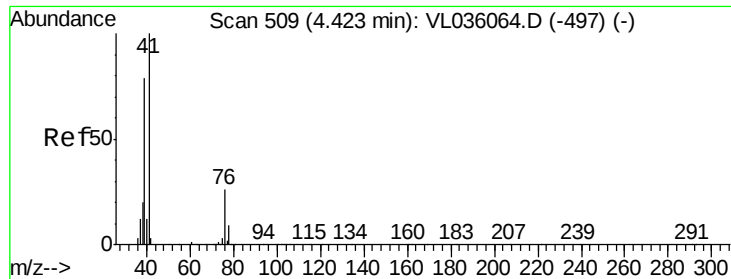
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 9.234 ppbv

RT: 4.42 min Scan# 509

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :

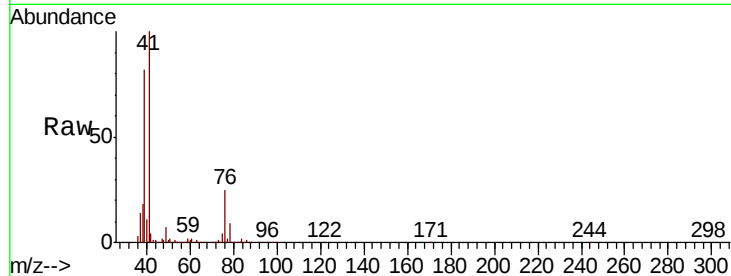
Tot Ion: 41 Resp: 929420

Ion Ratio Lower Upper

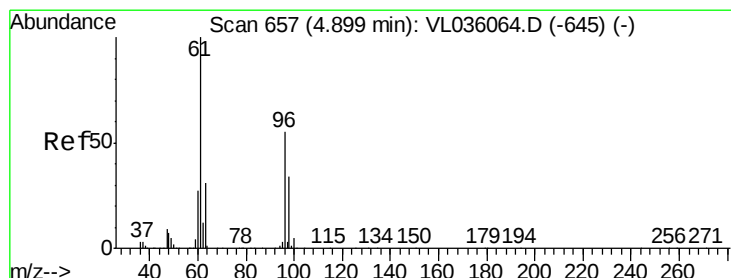
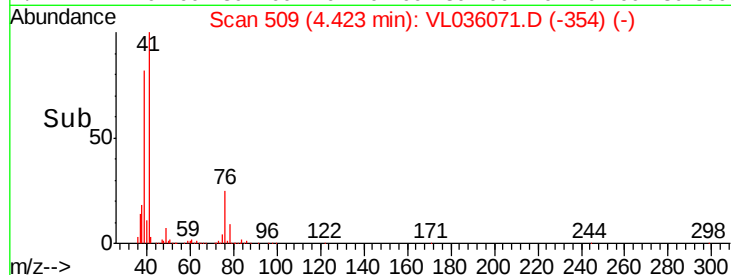
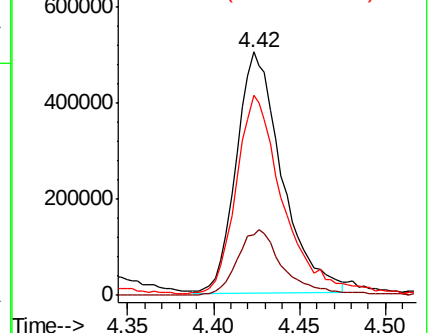
41 100

76 27.8 21.0 31.4

39 88.4 66.0 99.0



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



#22

trans-1,2-Dichloroethene

Concen: 9.196 ppbv

RT: 4.90 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

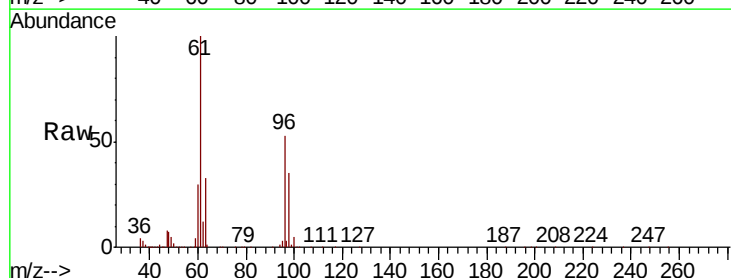
Tgt Ion: 96 Resp: 479107

Ion Ratio Lower Upper

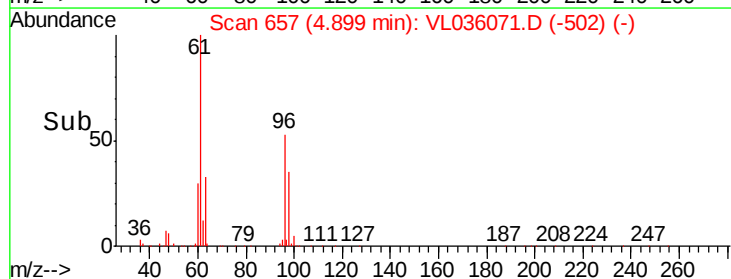
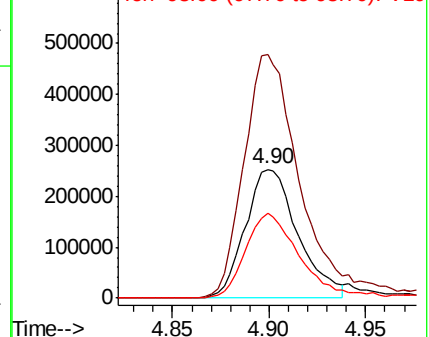
96 100

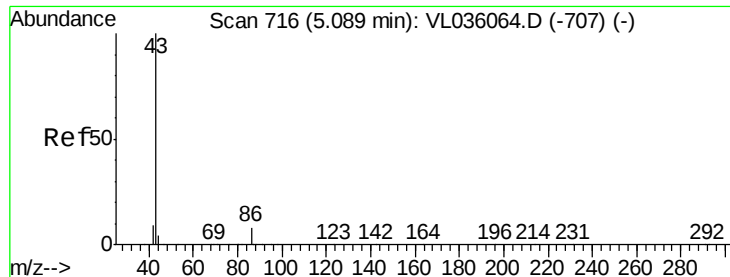
61 189.0 145.7 218.5

98 65.7 49.2 73.8



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



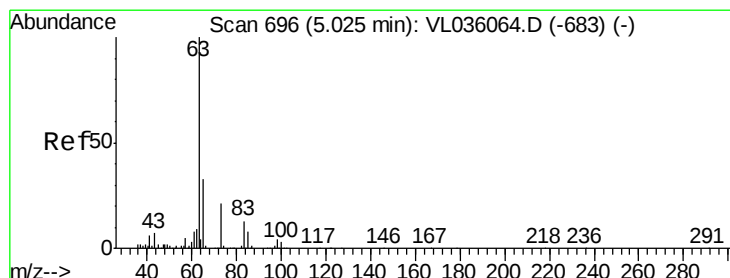
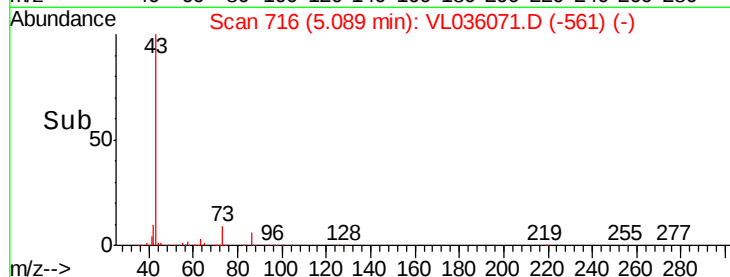
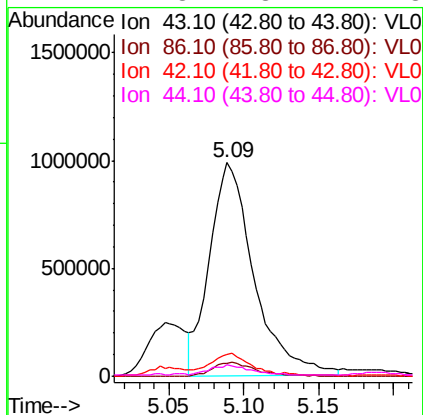
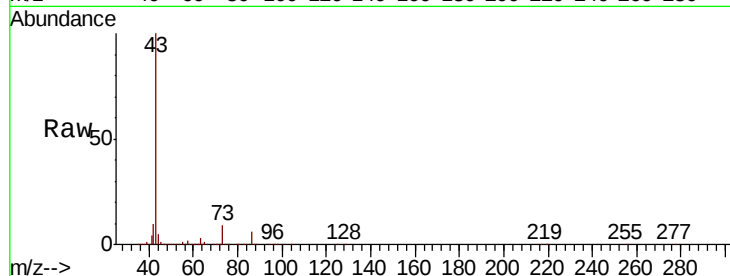


#23
 Vinyl Acetate
 Concen: 10.192 ppbv
 RT: 5.09 min Scan# 716
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion: 43 Resp: 2054049

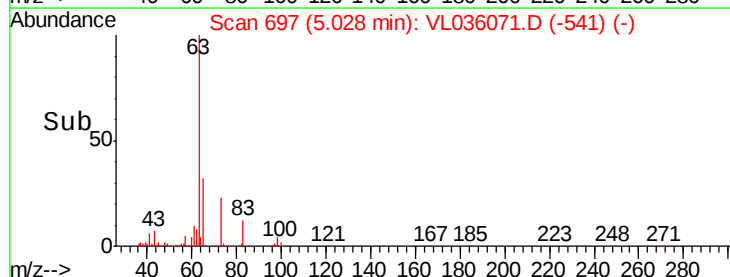
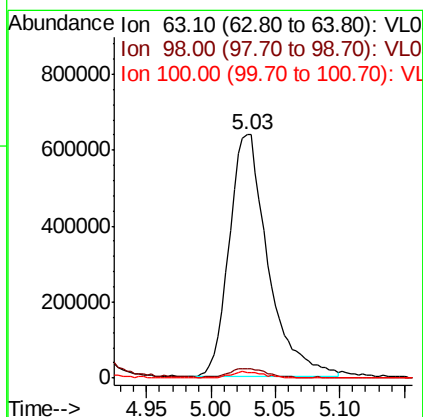
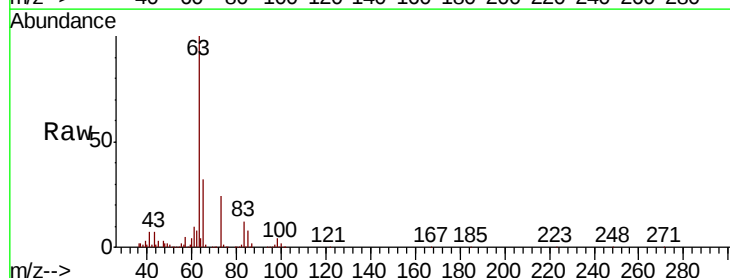
Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.0	7.4
42	10.1	7.8	11.6
44	4.8	3.2	4.8#

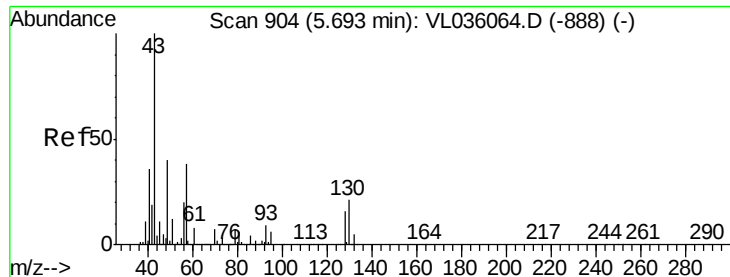


#24
 1,1-Dichloroethane
 Concen: 9.447 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 63 Resp: 1339078

Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.2	6.6
100	2.1	1.5	4.4



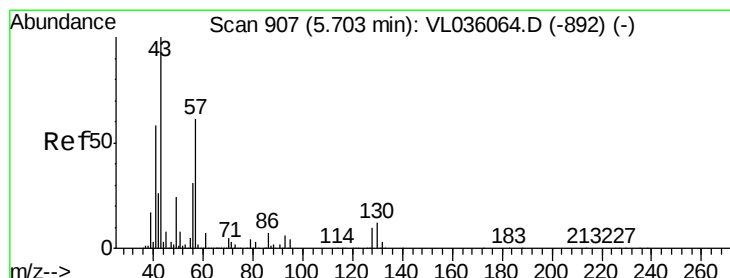
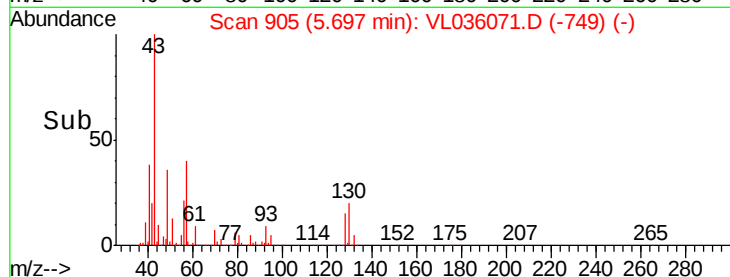
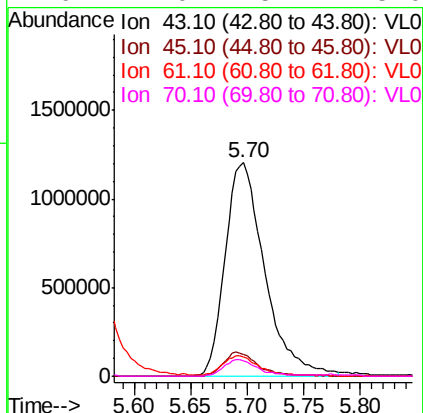
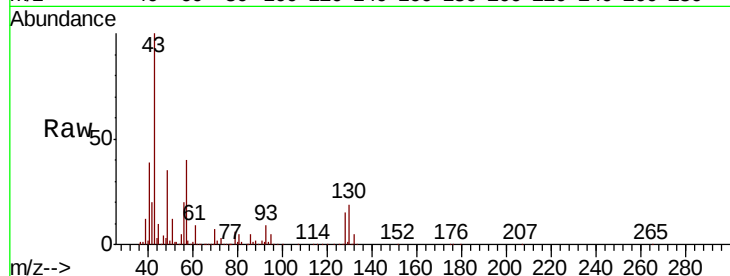


#25
Ethyl Acetate
Concen: 9.663 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2922150

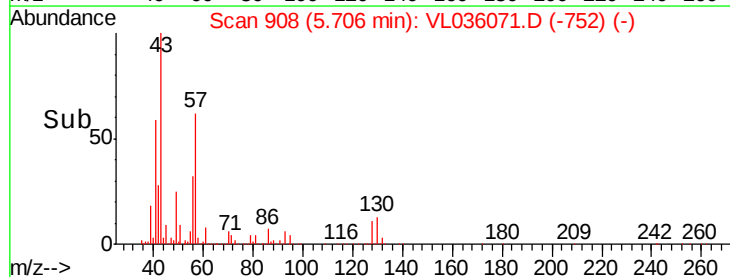
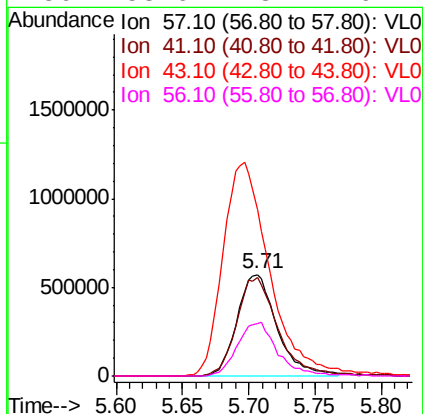
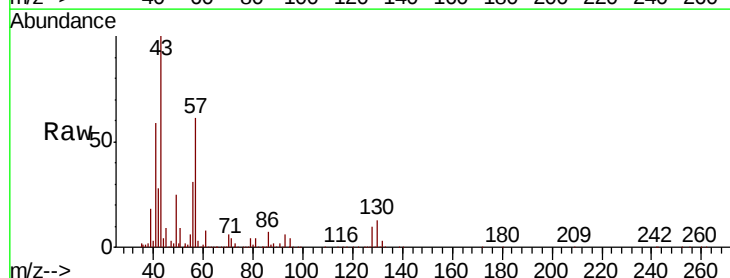
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.4	7.4	11.2
70	7.0	5.4	8.0

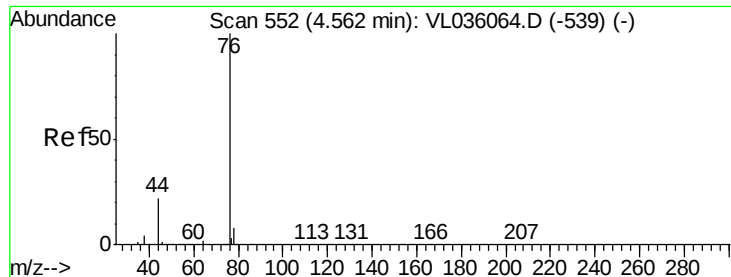


#26
Hexane
Concen: 8.810 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 57 Resp: 1199102

Ion	Ratio	Lower	Upper
57	100		
41	101.5	82.9	124.3
43	248.0	199.9	299.9
56	53.6	43.1	64.7





#27

Carbon Disulfide

Concen: 10.044 ppbv

RT: 4.56 min Scan# 552

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

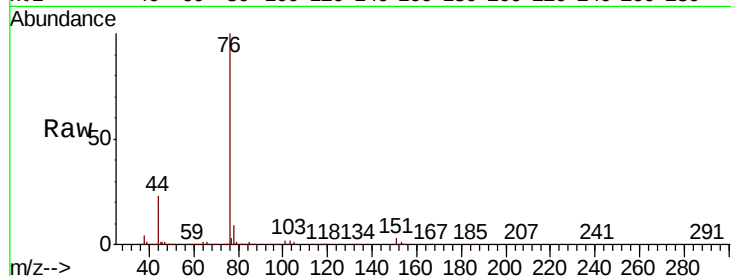
Tot Ion: 76 Resp: 1358566

Ion Ratio Lower Upper

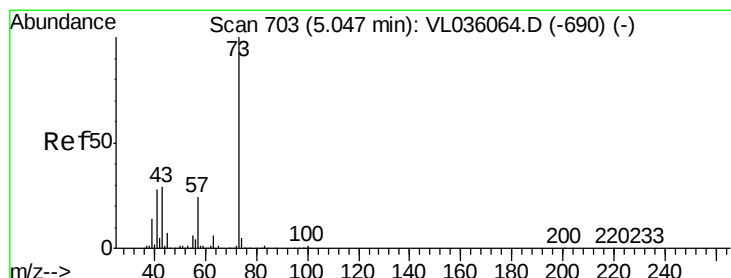
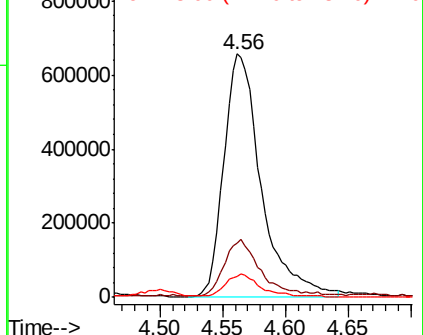
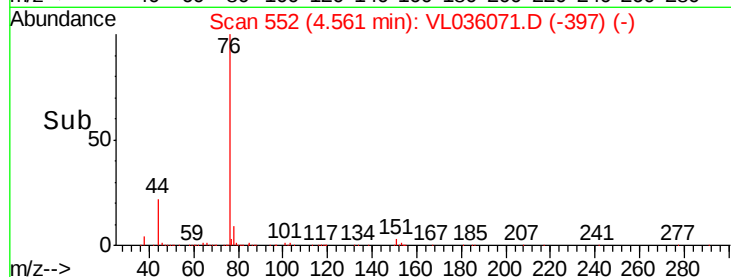
76 100

44 23.5 17.9 26.9

78 9.7 7.8 11.8



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



#28

Methyl tert-Butyl Ether

Concen: 9.573 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL036071.D

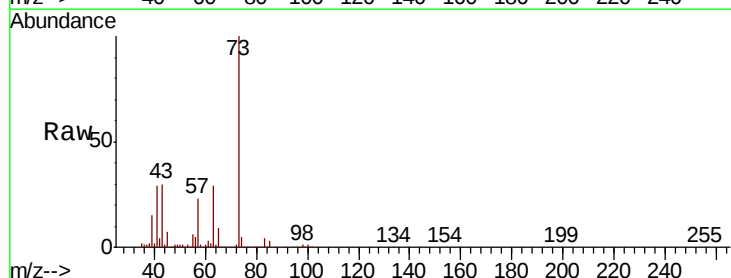
Acq: 7 Dec 2020 17:14

Tgt Ion: 73 Resp: 1852360

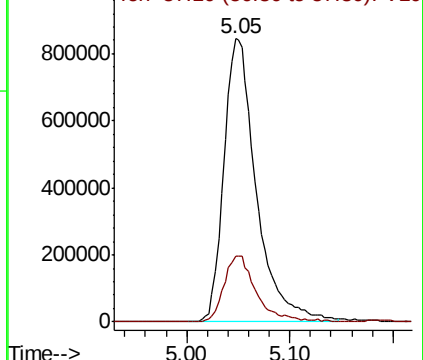
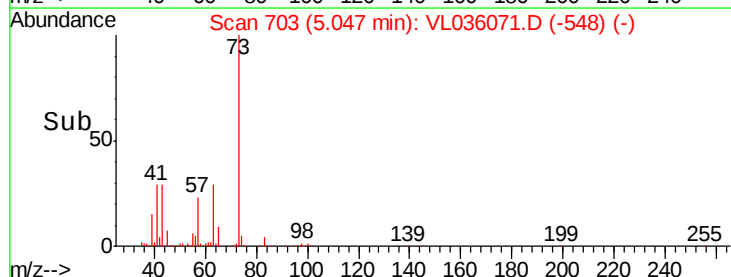
Ion Ratio Lower Upper

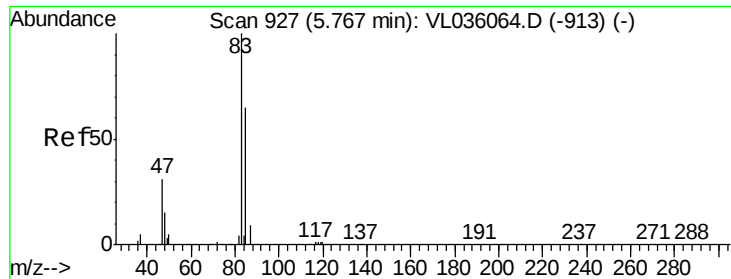
73 100

57 23.5 19.2 28.8



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





#29

Chloroform

Concen: 9.662 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

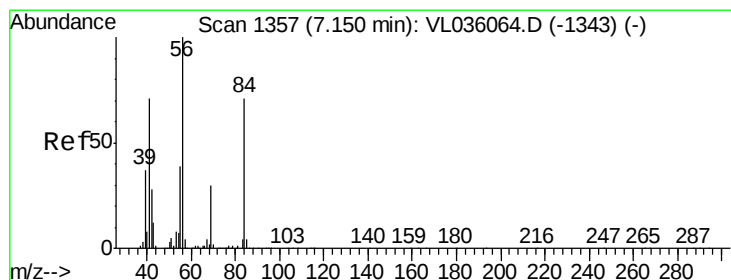
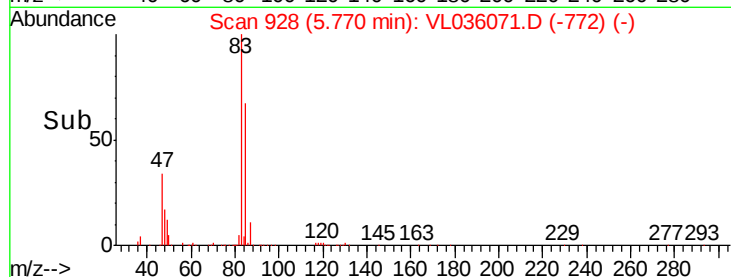
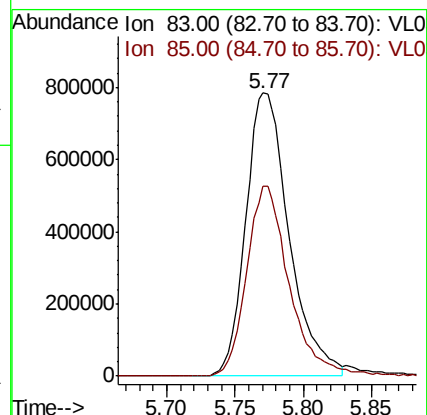
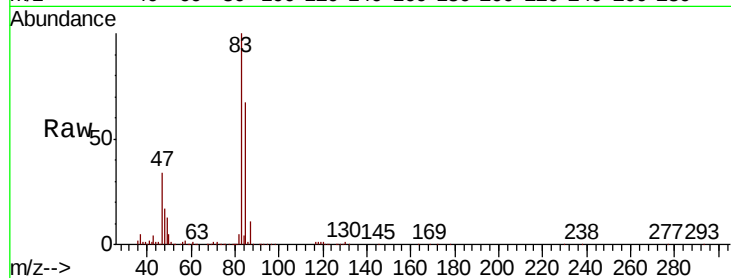
ClientSampleId :

Tot Ion: 83 Resp: 1726846

Ion Ratio Lower Upper

83 100

85 67.0 51.8 77.6



#30

Cyclohexane

Concen: 9.522 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

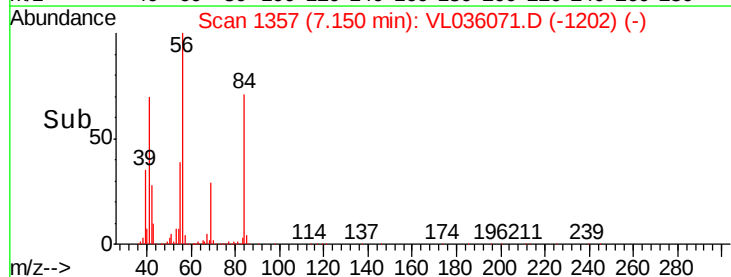
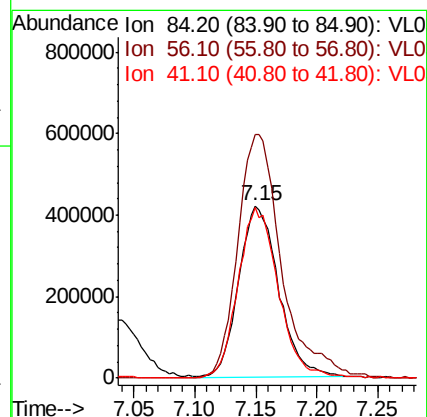
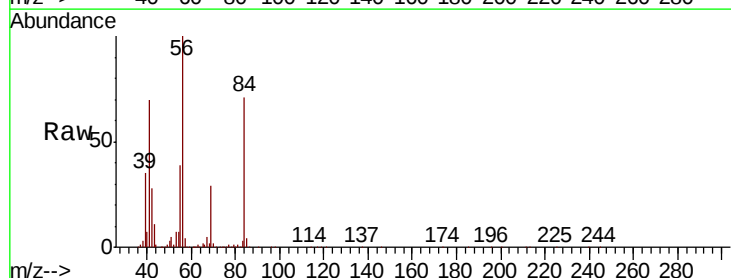
Tgt Ion: 84 Resp: 951972

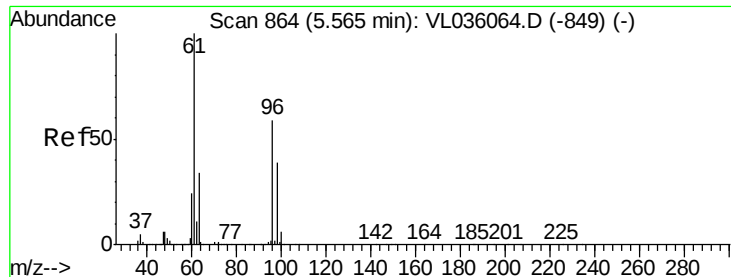
Ion Ratio Lower Upper

84 100

56 157.5 128.0 192.0

41 100.8 81.3 121.9



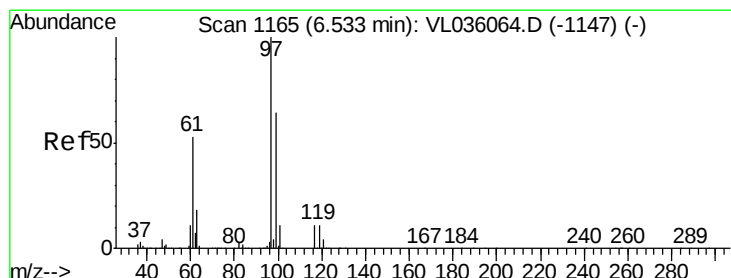
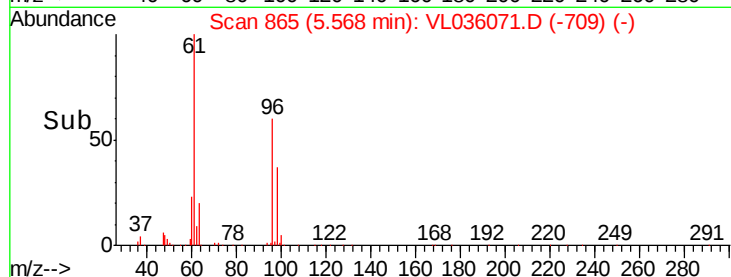
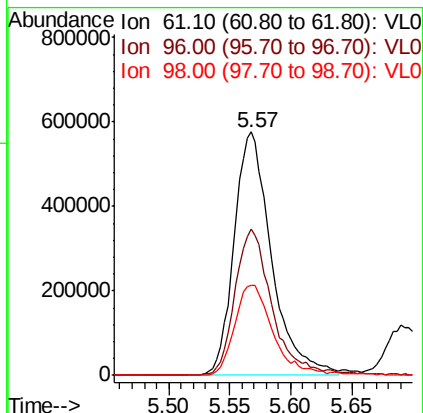
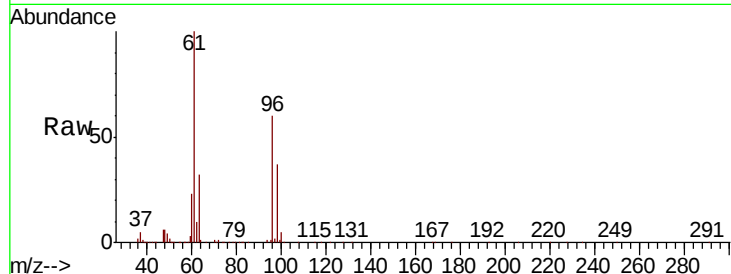


#31

cis-1,2-Dichloroethene
 Concen: 9.857 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :

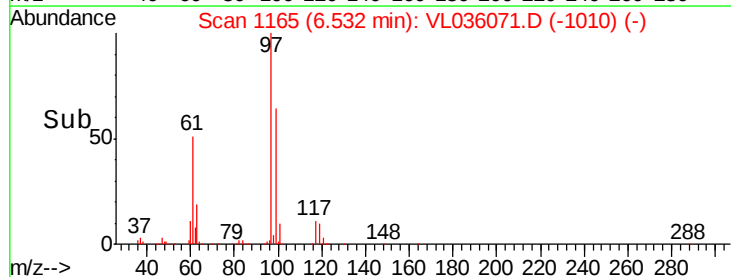
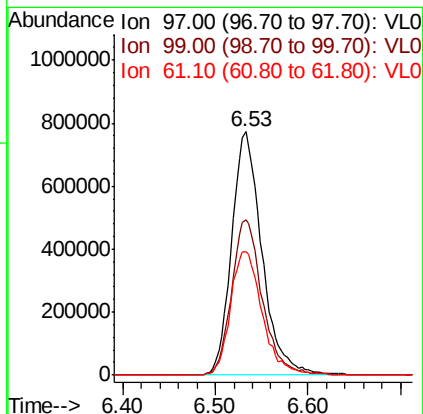
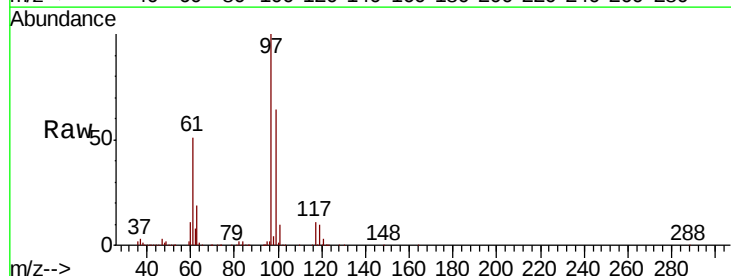
Tot Ion: 61 Resp: 1219489
 Ion Ratio Lower Upper
 61 100
 96 60.1 47.3 70.9
 98 36.8 31.4 47.0

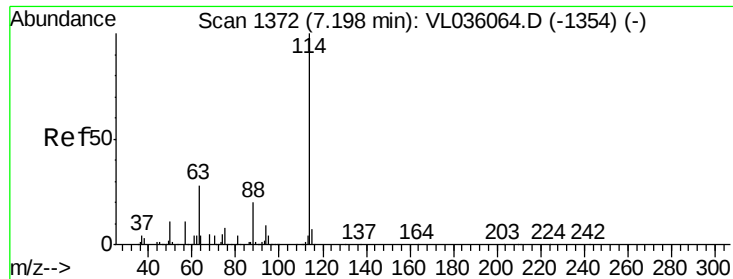


#32

1,1,1-Trichloroethane
 Concen: 9.482 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 97 Resp: 1748687
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.4 78.6
 61 53.6 43.4 65.0

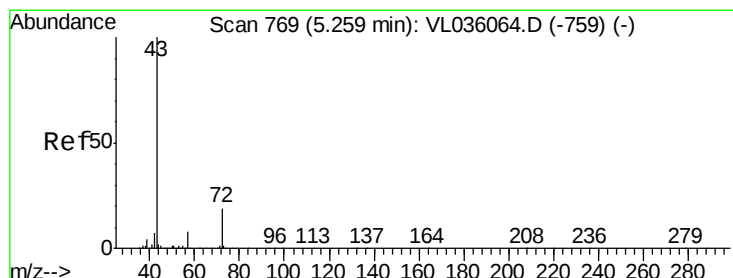
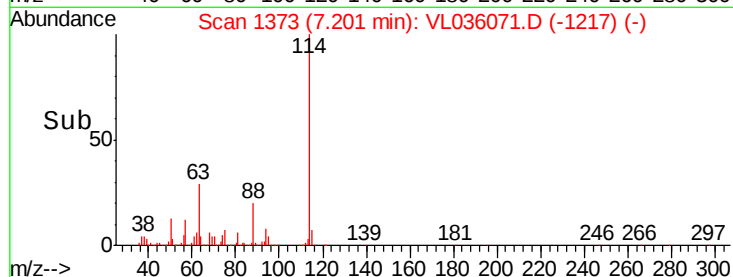
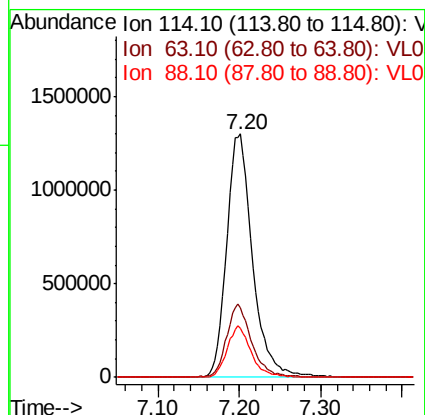
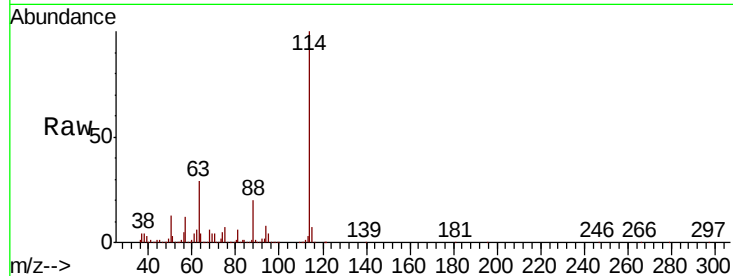




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

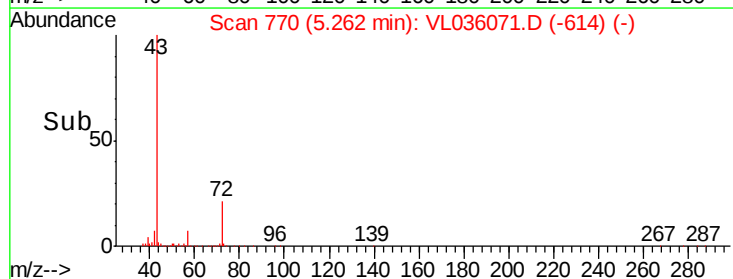
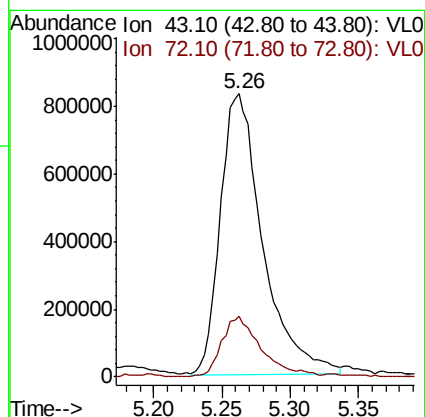
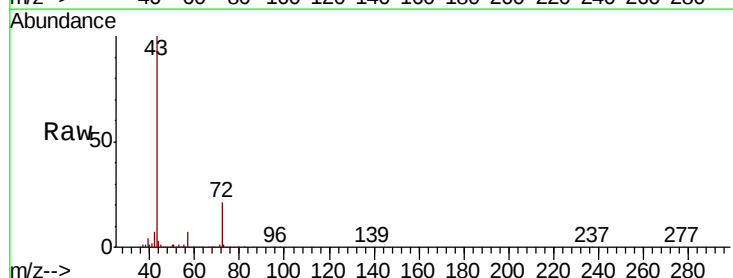
Instrument :
 MSVOA_L
 ClientSampleId :

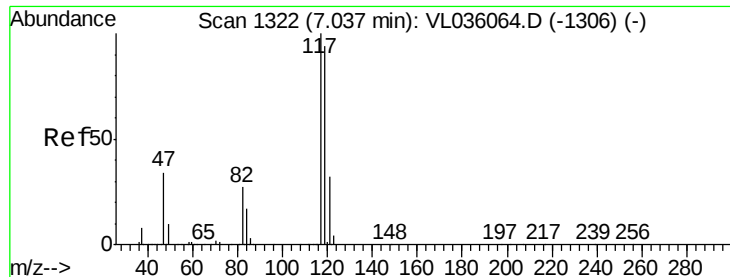
Tot Ion:114 Resp: 2915205
 Ion Ratio Lower Upper
 114 100
 63 29.5 23.6 35.4
 88 19.9 15.8 23.6



#34
 2-Butanone
 Concen: 9.253 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 43 Resp: 1789283
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.5 24.7





#35

Carbon Tetrachloride

Concen: 10.130 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

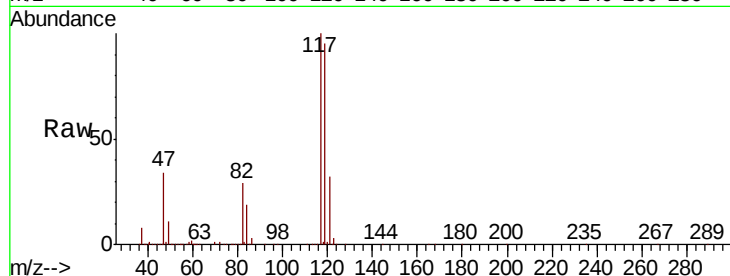
Tot Ion:117 Resp: 1722010

Ion Ratio Lower Upper

117 100

119 94.6 75.1 112.7

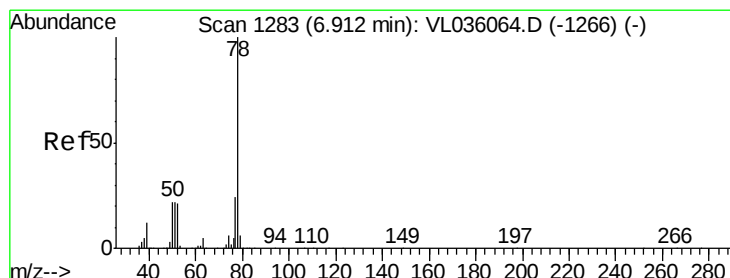
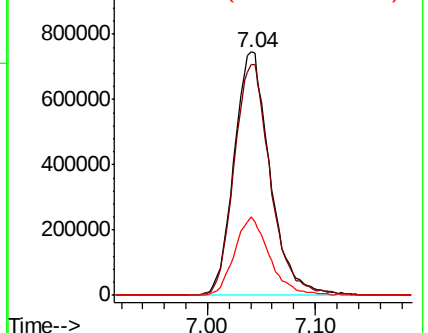
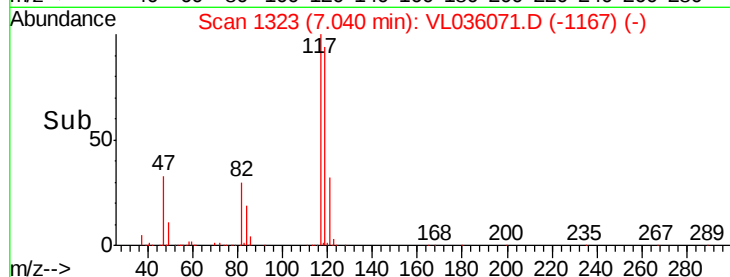
121 32.3 25.6 38.4



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: 9.642 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

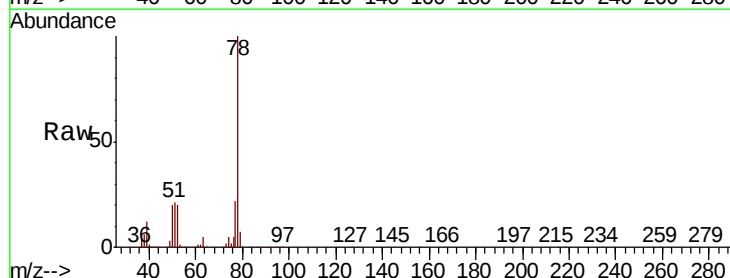
Tgt Ion: 78 Resp: 2382125

Ion Ratio Lower Upper

78 100

77 22.3 19.4 29.2

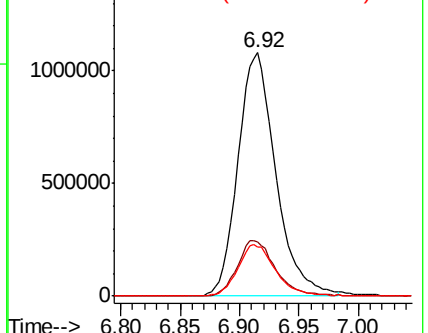
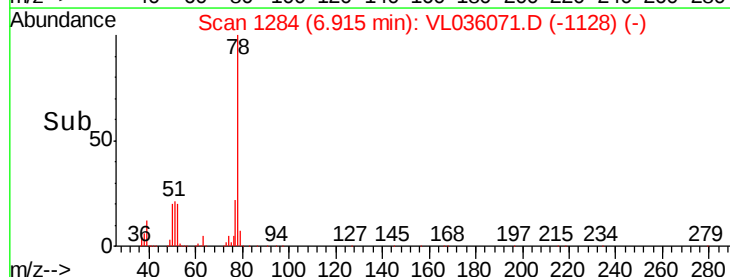
50 20.4 17.8 26.8

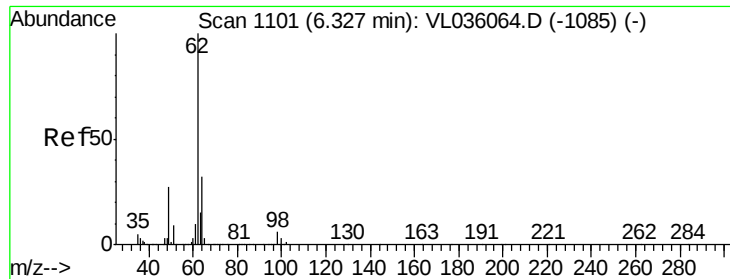


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.895 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

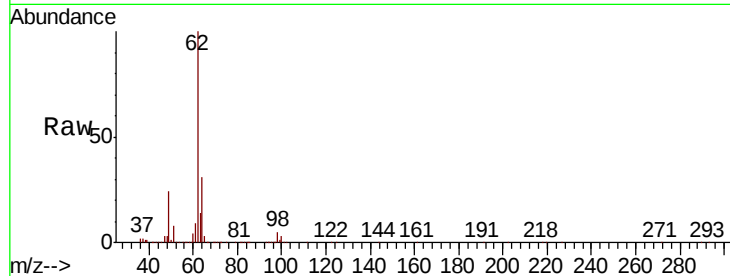
ClientSampleId :

Tot Ion: 62 Resp: 1416622

Ion Ratio Lower Upper

62 100

98 5.7 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

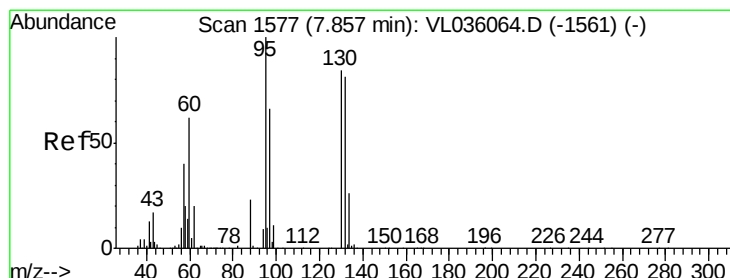
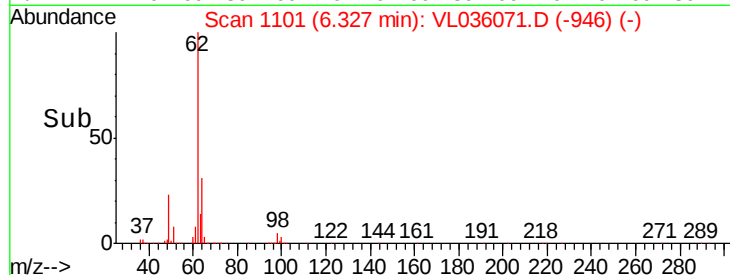
400000

200000

0

6.25 6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 8.819 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion:130 Resp: 814443

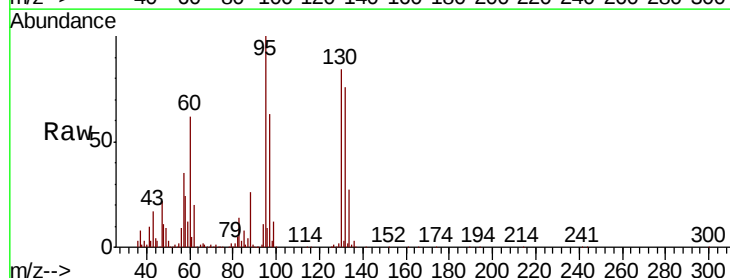
Ion Ratio Lower Upper

130 100

95 120.0 95.2 142.8

132 91.7 76.9 115.3

97 75.1 62.3 93.5



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

600000

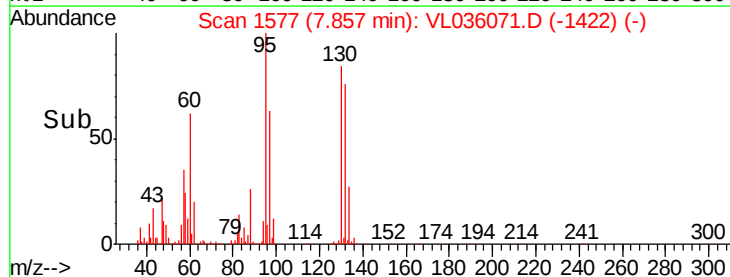
400000

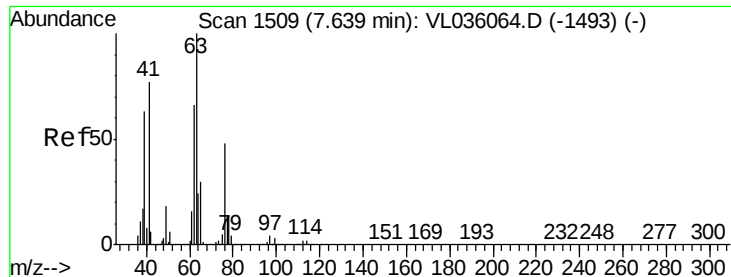
200000

0

7.80 7.85 7.90 7.95

Time-->

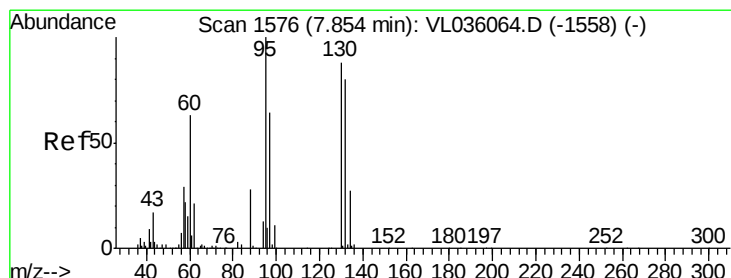
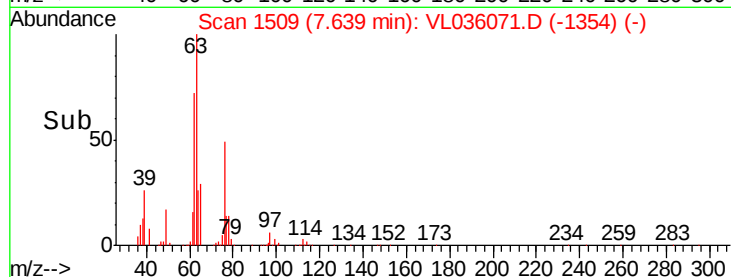
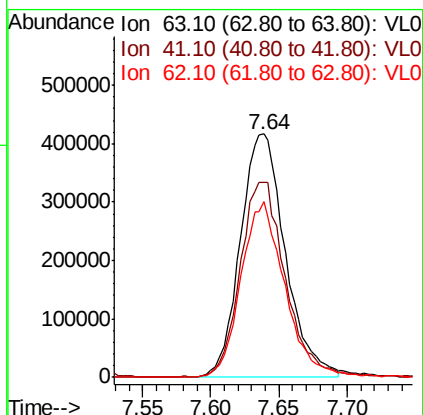
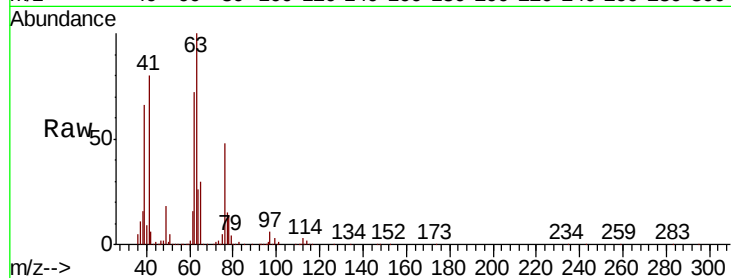




#39
 1,2-Dichloropropane
 Concen: 9.751 ppbv
 RT: 7.64 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

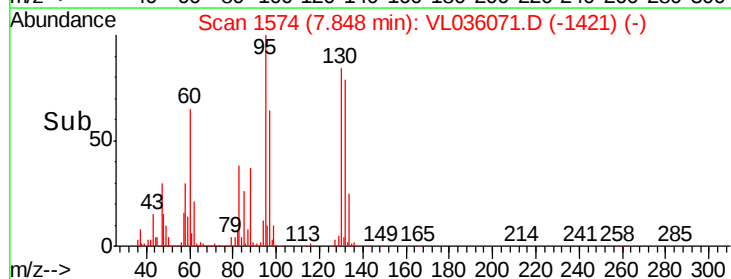
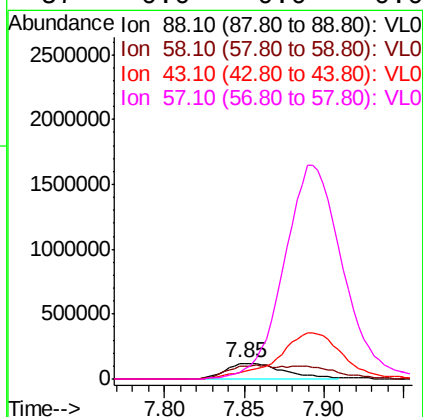
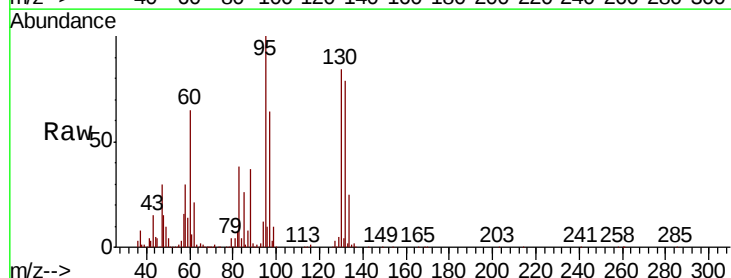
Instrument :
 MSVOA_L
 ClientSampled :

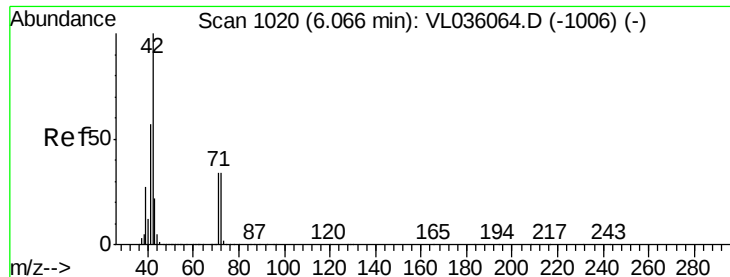
Tot Ion	Ratio	Lower	Upper
63	100		
41	79.8	61.9	92.9
62	72.0	52.5	78.7



#40
 1,4-Dioxane
 Concen: 9.813 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	151.9	122.6	184.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0

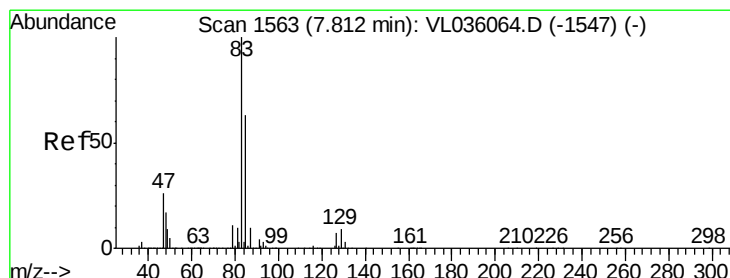
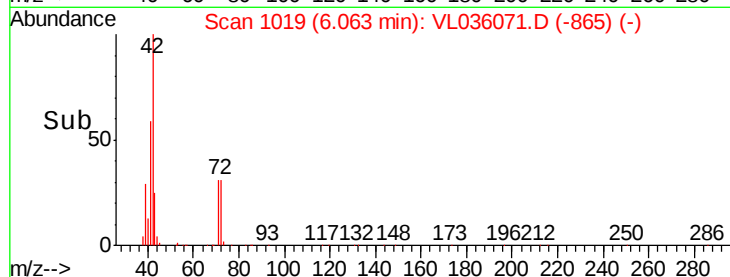
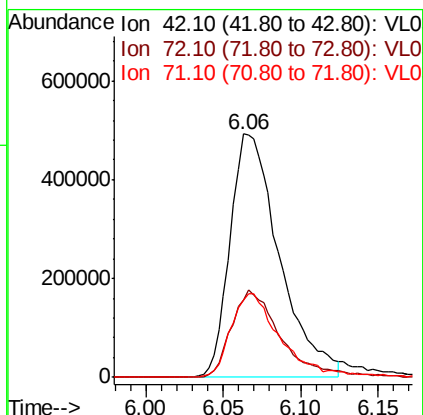
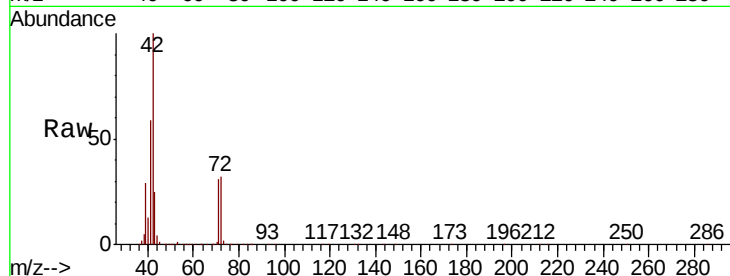




#41
Tetrahydrofuran
Concen: 9.490 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

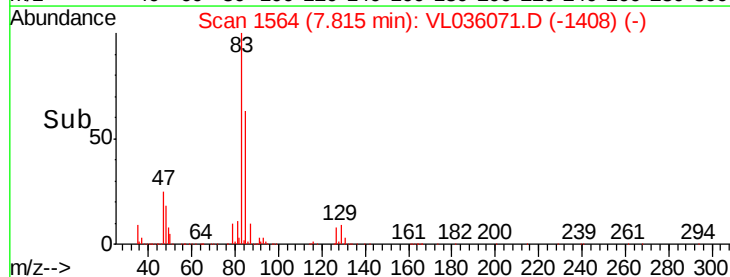
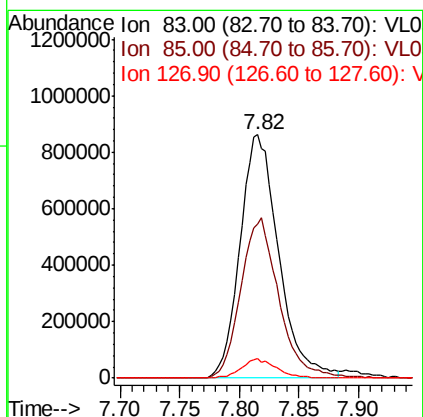
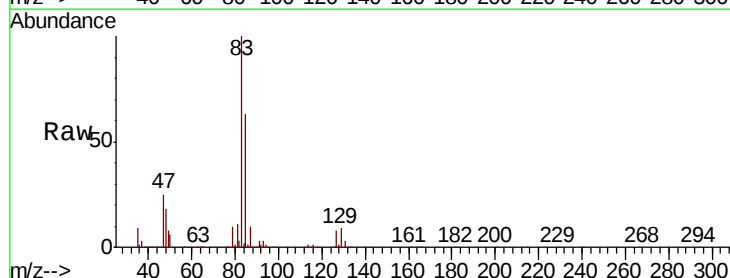
Instrument :
MSVOA_L
ClientSampleId :

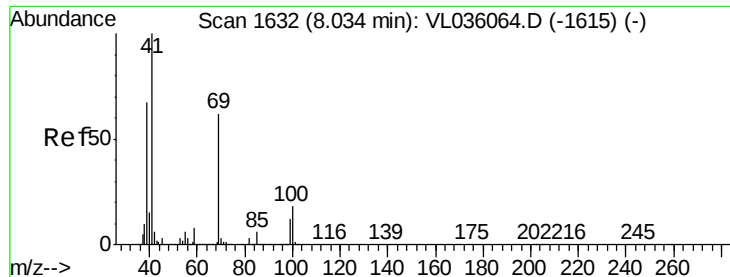
Tot Ion: 42 Resp: 1090205
Ion Ratio Lower Upper
42 100
72 36.5 28.3 42.5
71 35.4 27.3 40.9



#42
Bromodichloromethane
Concen: 10.184 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 83 Resp: 1942738
Ion Ratio Lower Upper
83 100
85 63.0 50.2 75.2
127 8.0 5.5 8.3

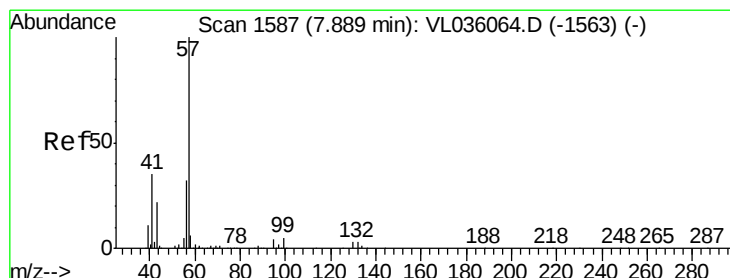
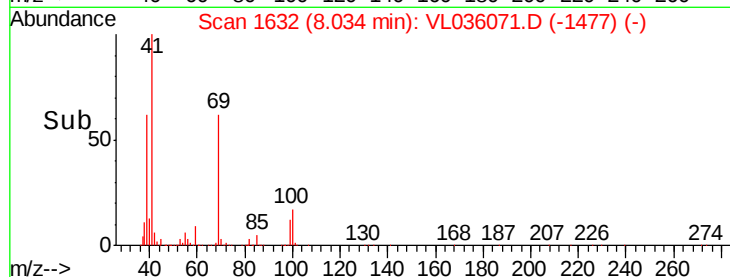
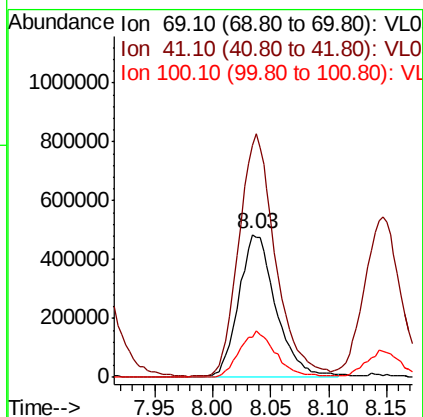
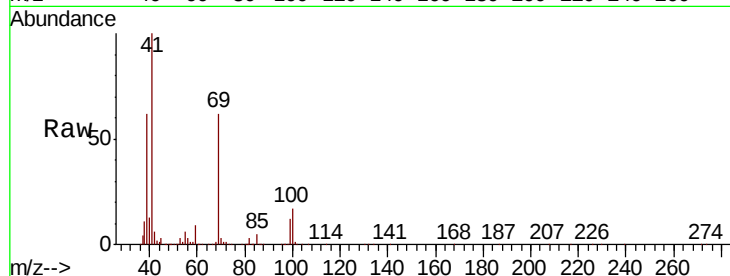




#43
Methvl Methacrvlate
Concen: 10.188 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

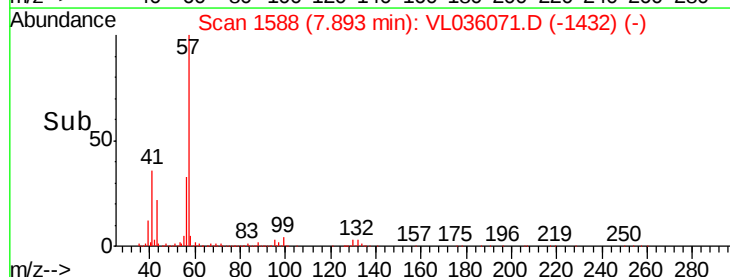
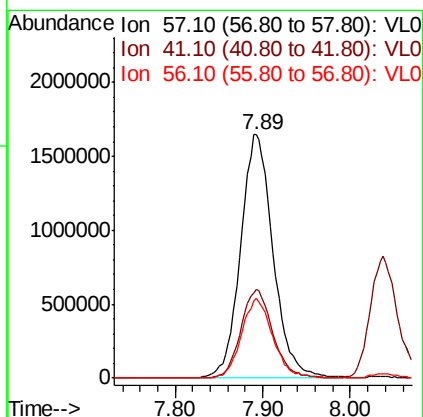
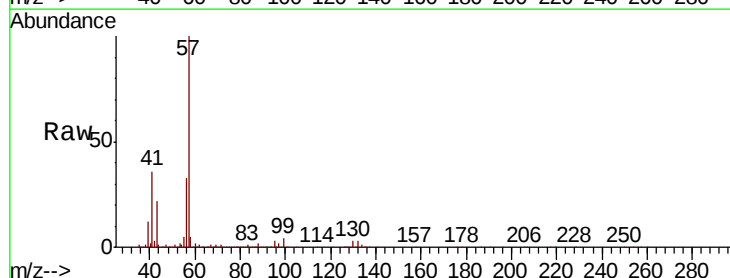
Instrument :
MSVOA_L
ClientSampled :

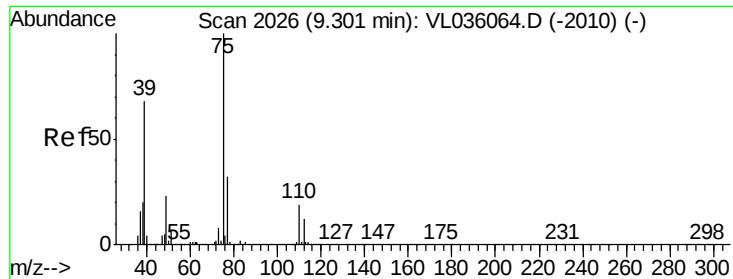
Tot Ion: 69 Resp: 1079835
Ion Ratio Lower Upper
69 100
41 168.0 133.0 199.6
100 31.5 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.502 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 57 Resp: 4251394
Ion Ratio Lower Upper
57 100
41 35.6 28.9 43.3
56 31.5 25.3 37.9

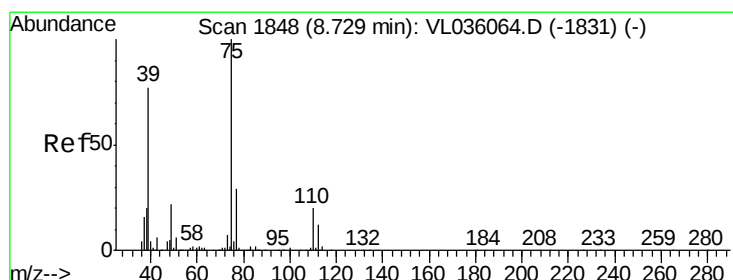
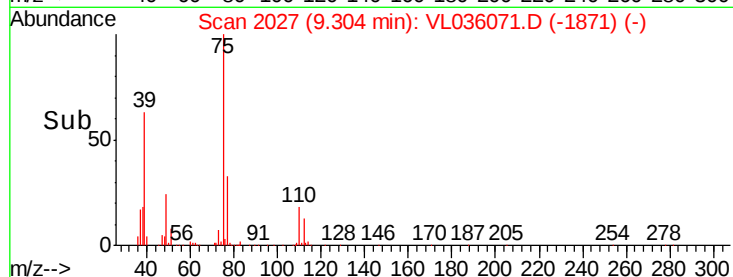
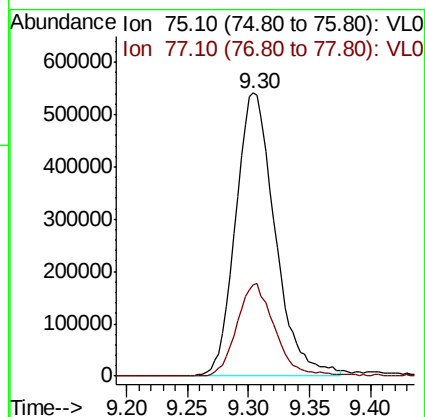
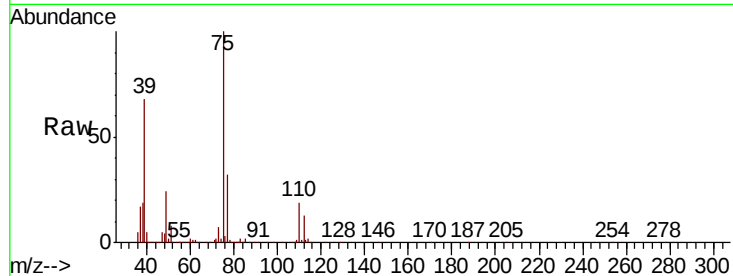




#45
 t-1,3-Dichloropropene
 Concen: 11.068 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

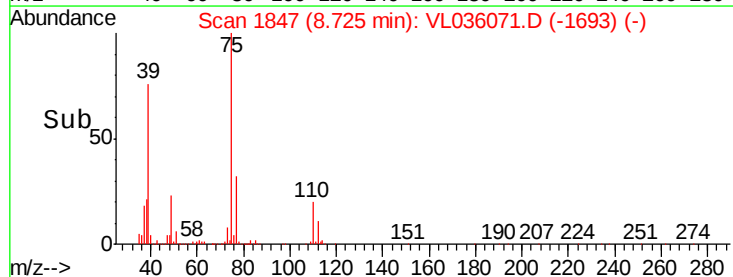
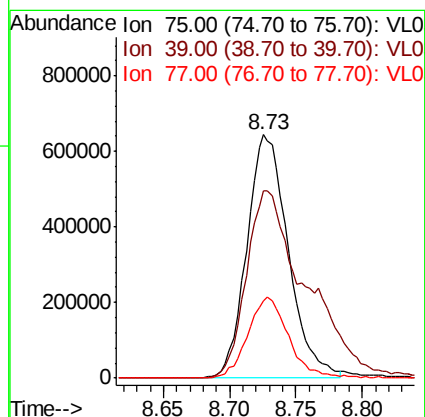
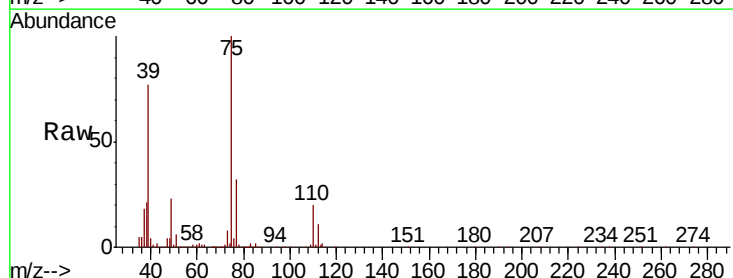
Instrument :
 MSVOA_L
 ClientSampleId :

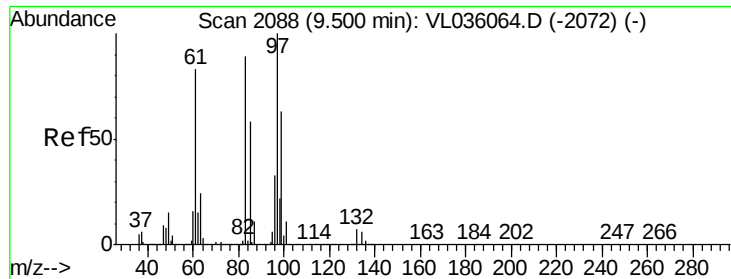
Tot Ion: 75 Resp: 1205177
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.0 39.0



#46
 cis-1,3-Dichloropropene
 Concen: 10.266 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 75 Resp: 1401109
 Ion Ratio Lower Upper
 75 100
 39 76.8 61.6 92.4
 77 31.7 23.0 34.6

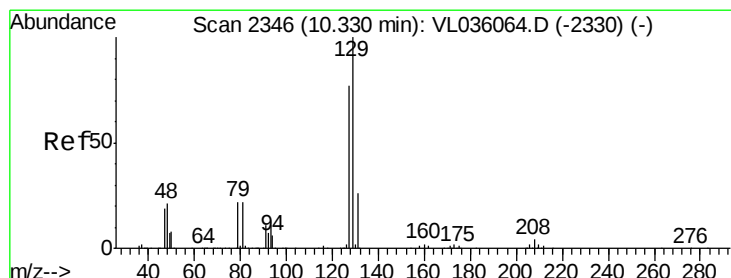
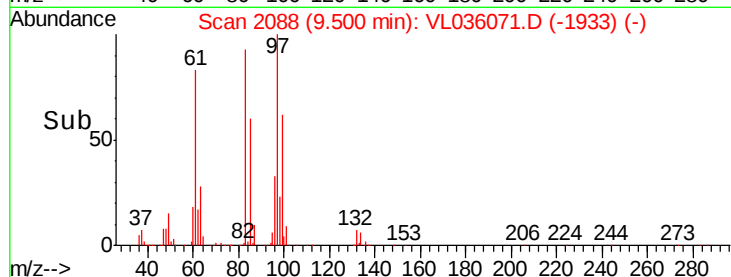
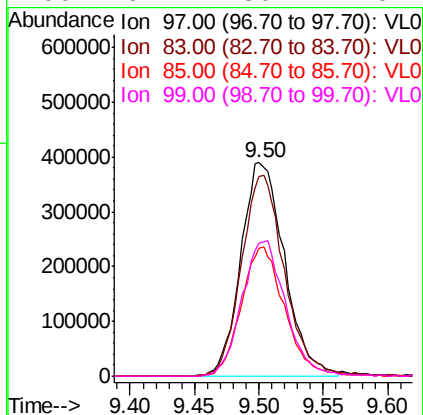
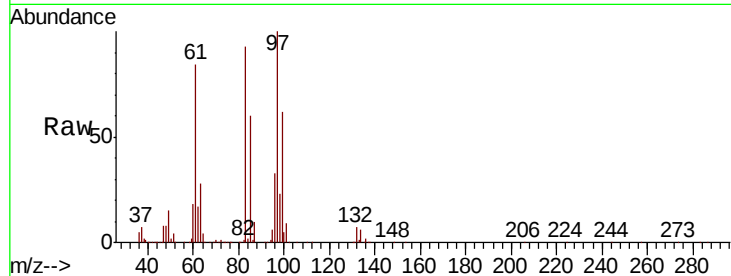




#47
 1,1,2-Trichloroethane
 Concen: 9.799 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

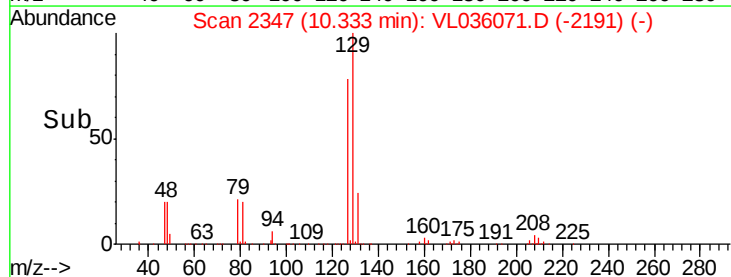
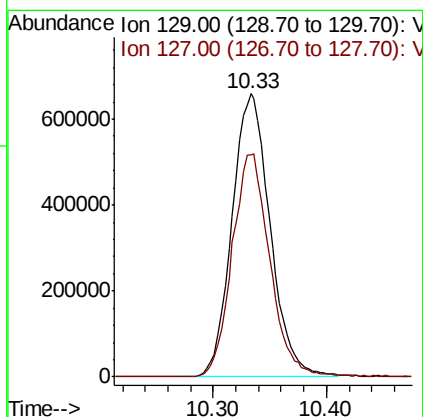
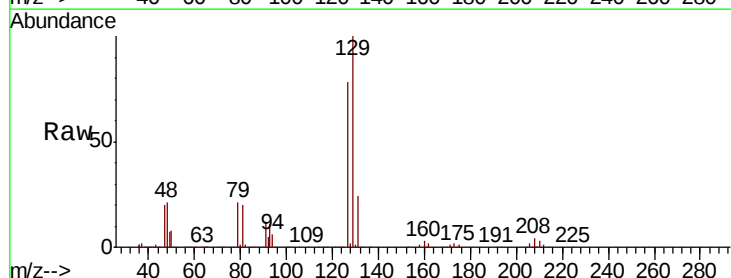
Instrument :
 MSVOA_L
 ClientSampled :

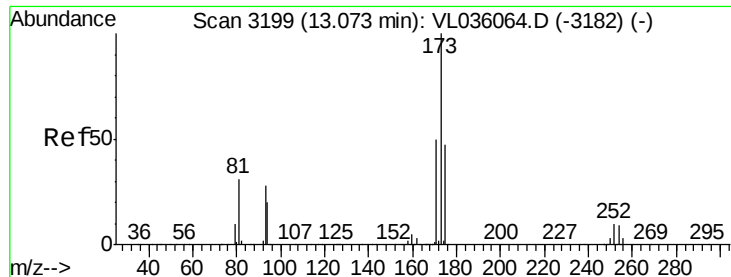
Tot Ion: 97 Resp: 919786
 Ion Ratio Lower Upper
 97 100
 83 93.2 71.4 107.2
 85 59.9 46.6 70.0
 99 62.1 50.7 76.1



#48
 Dibromochloromethane
 Concen: 10.884 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 129 Resp: 1542769
 Ion Ratio Lower Upper
 129 100
 127 78.1 39.0 117.0





#49

Bromoform

Concen: 11.733 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

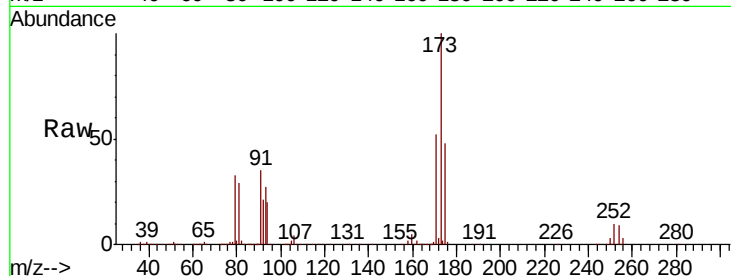
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1308997

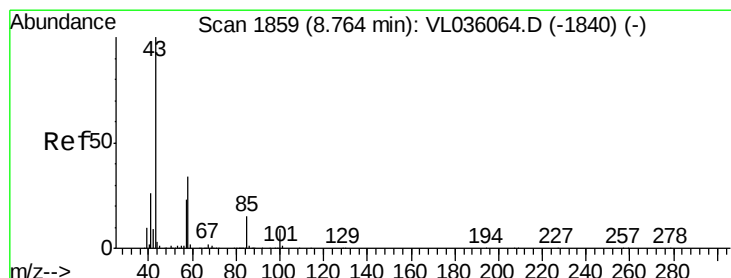
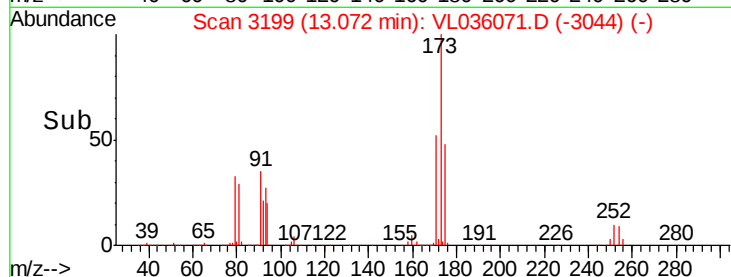
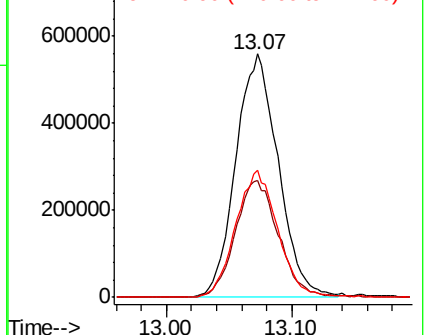
Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.8	59.6
171	52.0	42.5	63.7



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: 9.939 ppbv

RT: 8.77 min Scan# 1860

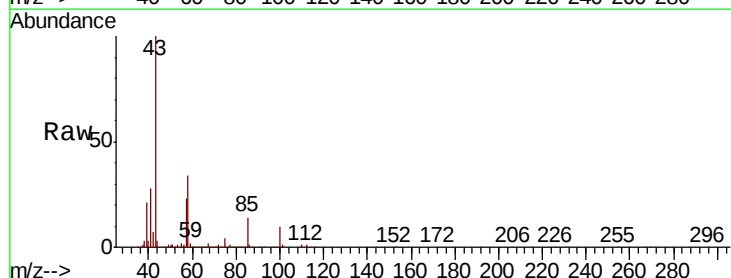
Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

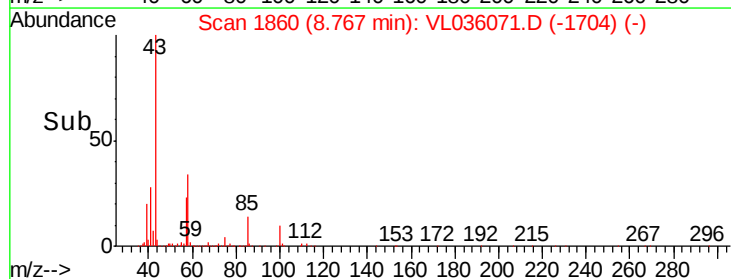
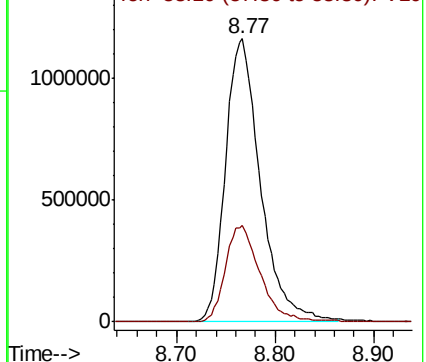
Tgt Ion: 43 Resp: 2866345

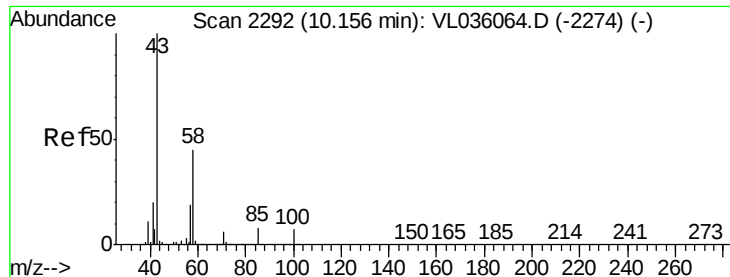
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.4	41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

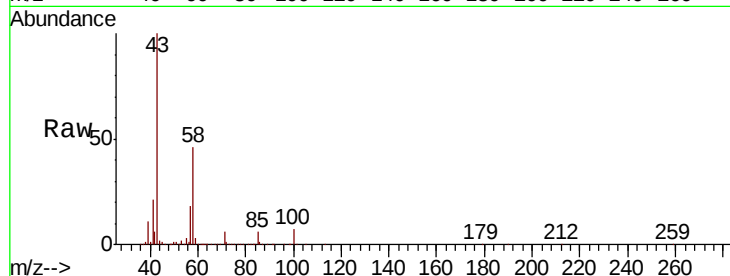




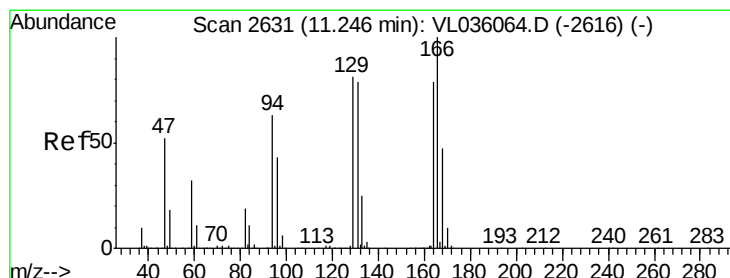
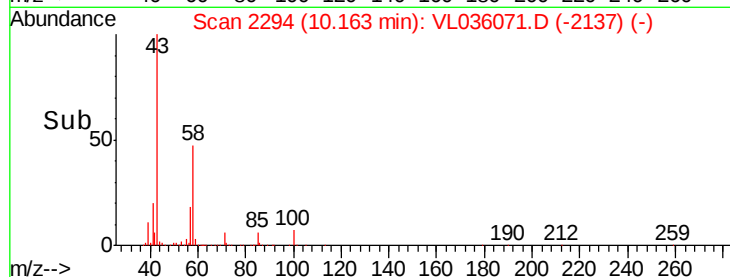
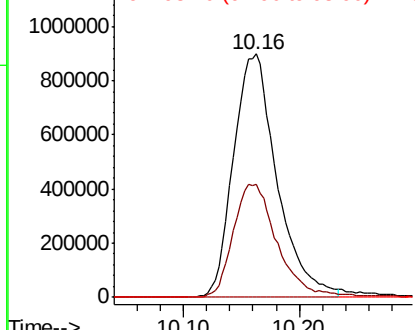
#51
2-Hexanone
Concen: 10.348 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2332629
Ion Ratio Lower Upper
43 100
58 47.8 38.7 58.1
98 0.1 0.1 0.1

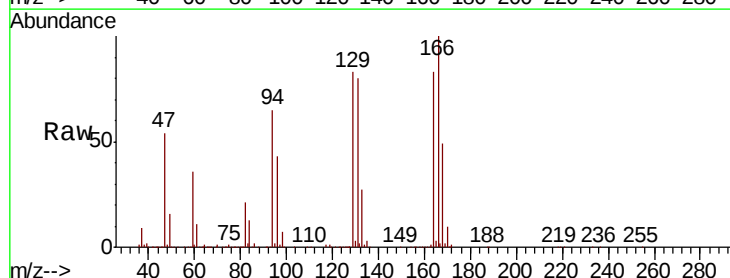


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

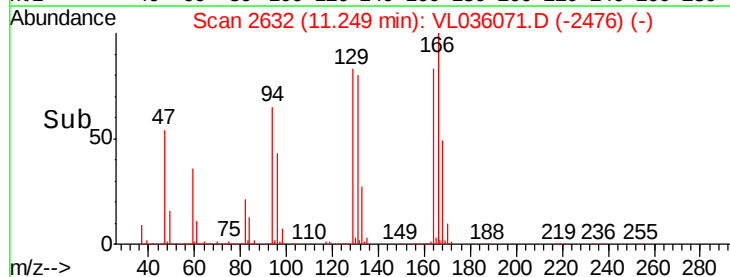
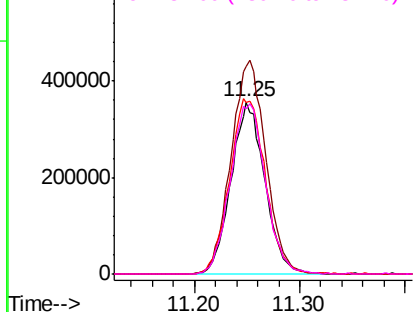


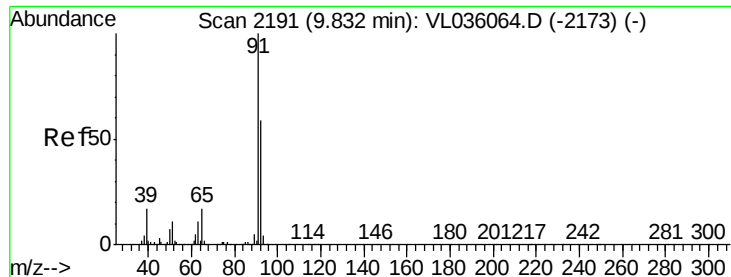
#52
Tetrachloroethene
Concen: 8.806 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion:164 Resp: 787587
Ion Ratio Lower Upper
164 100
166 120.4 101.9 152.9
129 99.5 82.1 123.1
131 96.2 80.8 121.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.848 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

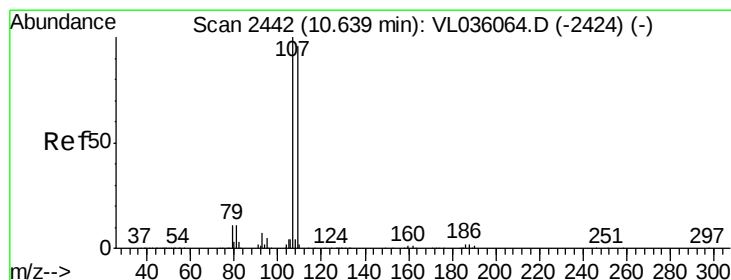
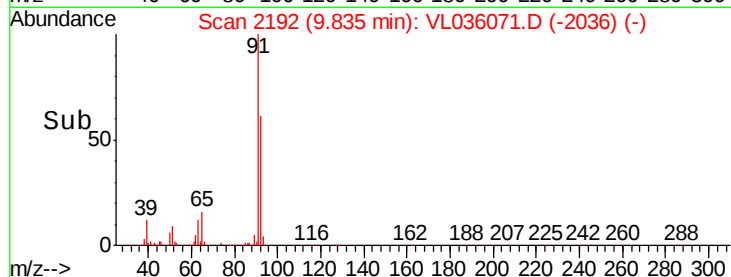
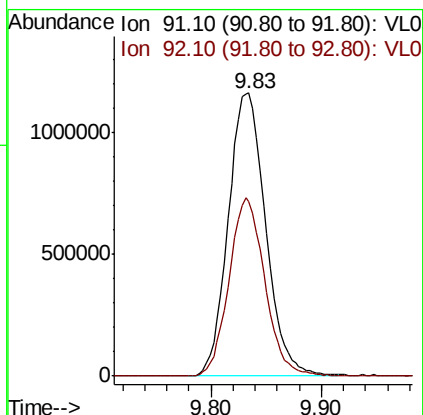
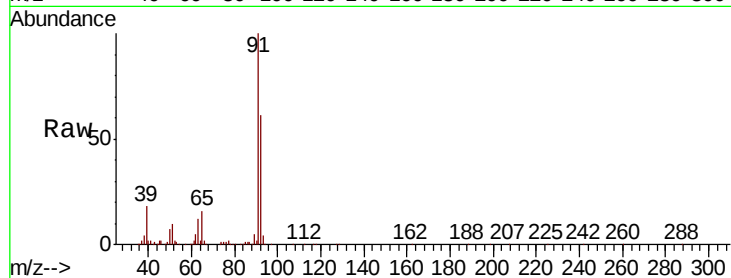
ClientSampleId :

Tot Ion: 91 Resp: 2731974

Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.948 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL036071.D

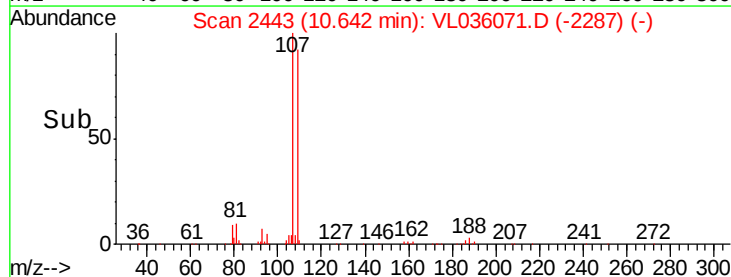
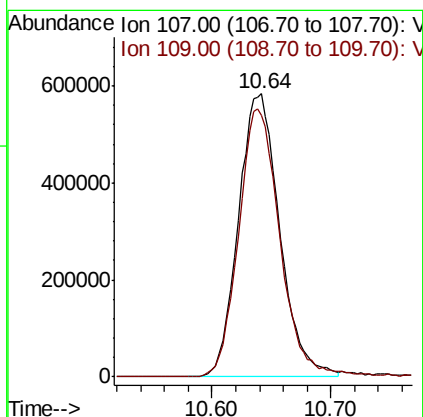
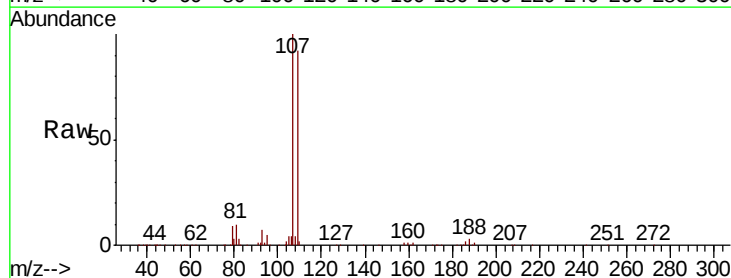
Acq: 7 Dec 2020 17:14

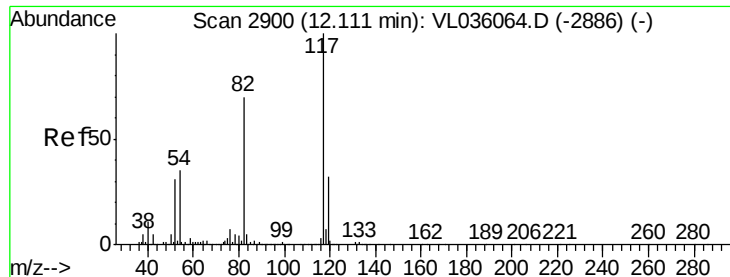
Tgt Ion: 107 Resp: 1399663

Ion Ratio Lower Upper

107 100

109 92.4 76.6 115.0

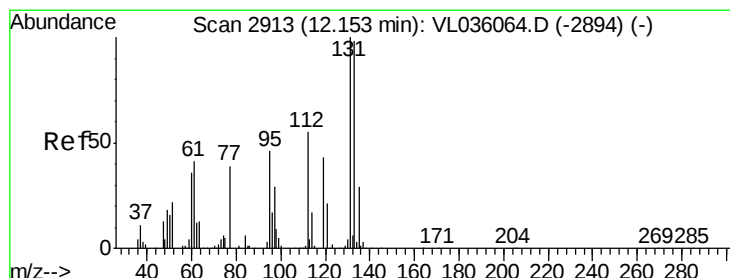
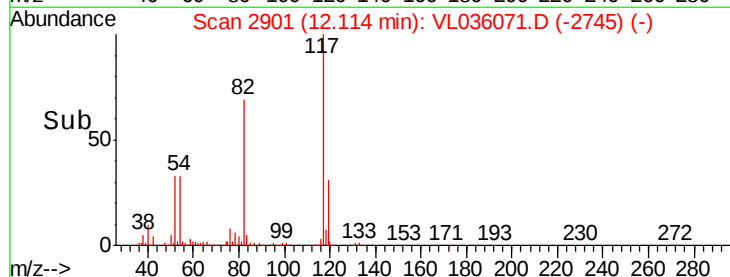
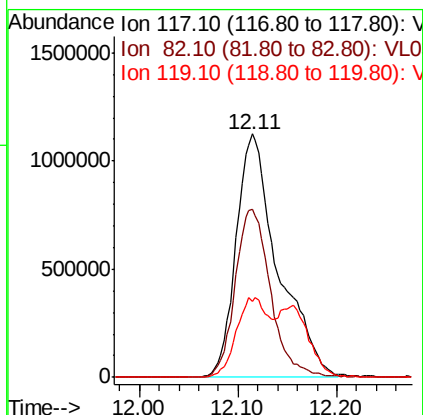
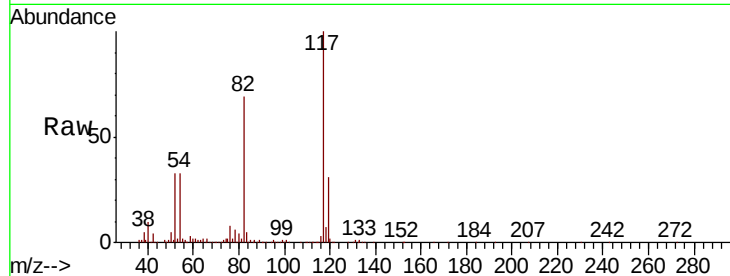




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

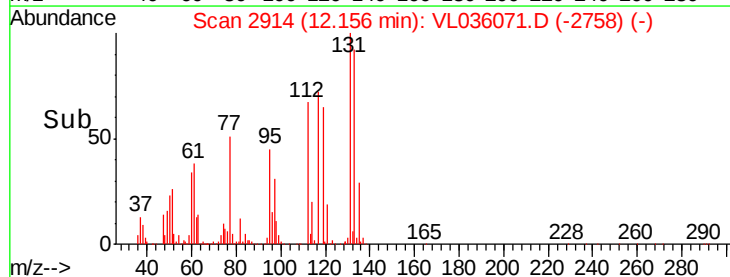
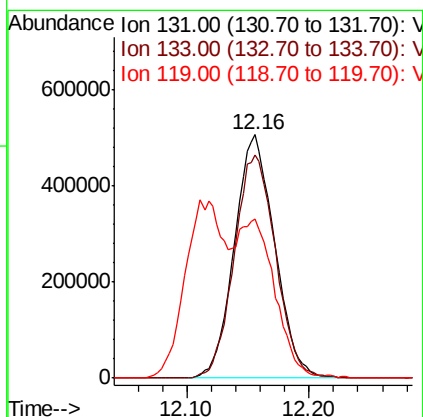
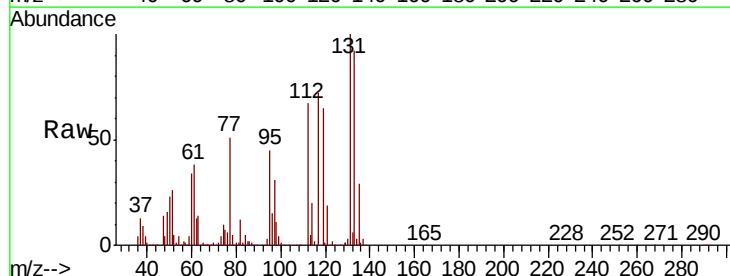
Instrument :
MSVOA_L
ClientSampled :

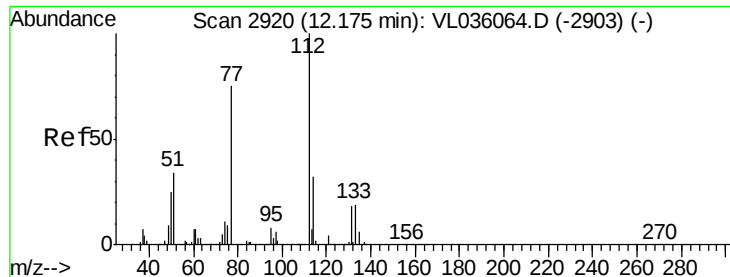
Tot Ion:117 Resp: 3326317
Ion Ratio Lower Upper
117 100
82 58.5 0.0 0.0#
119 25.9 0.0 0.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.367 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion:131 Resp: 1153964
Ion Ratio Lower Upper
131 100
133 94.9 77.7 116.5
119 60.8 51.6 77.4

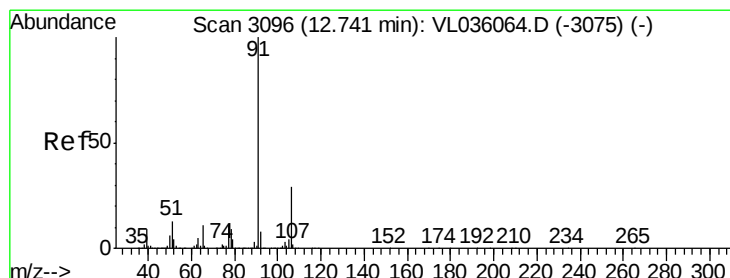
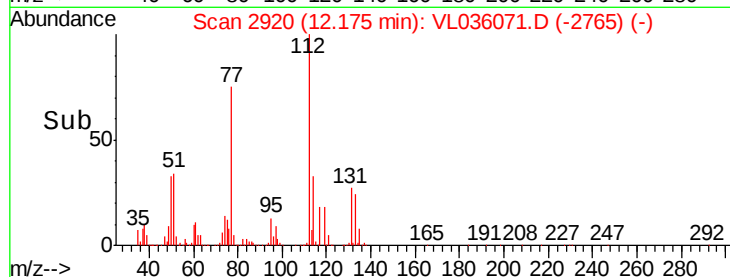
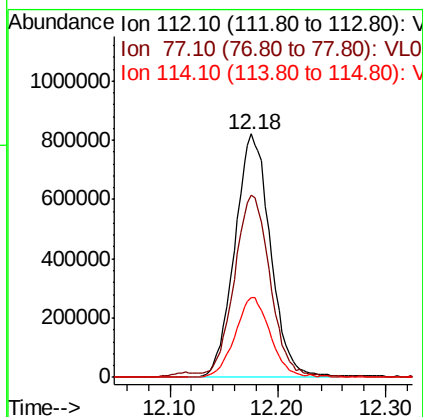
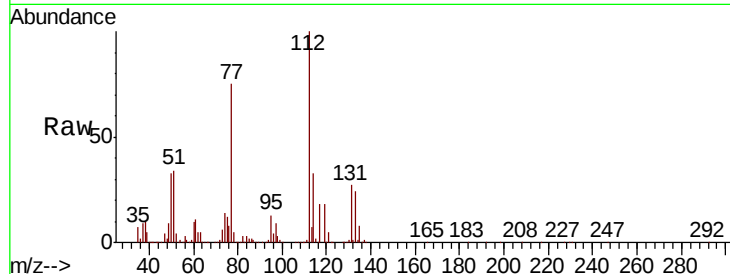




#57
Chlorobenzene
Concen: 8.067 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

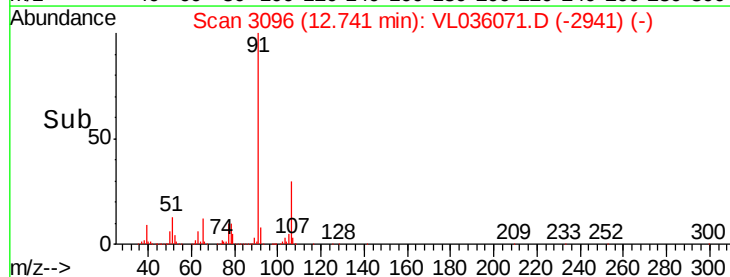
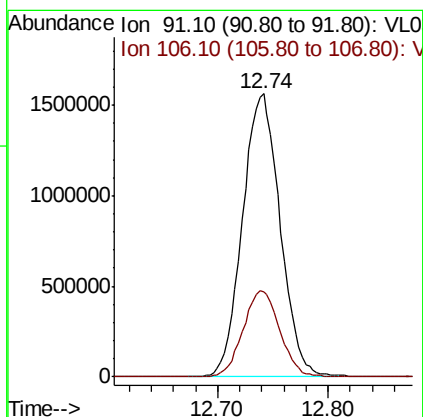
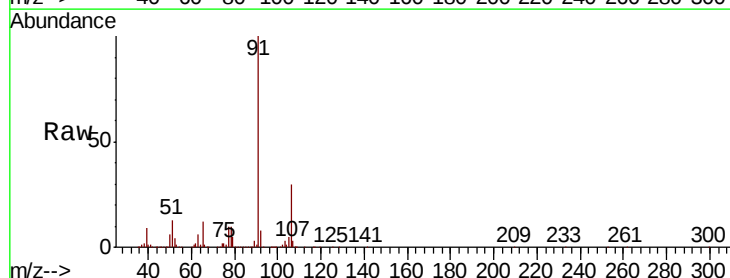
Instrument :
MSVOA_L
ClientSampled :

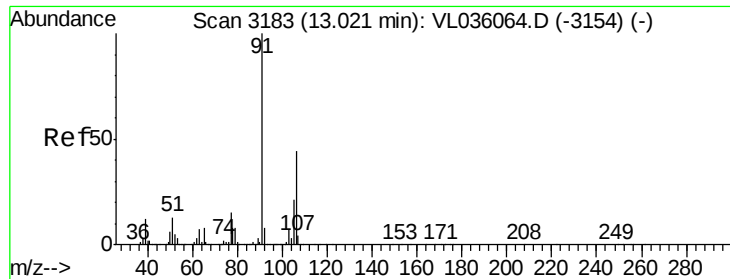
Tot Ion:112 Resp: 1883801
Ion Ratio Lower Upper
112 100
77 74.4 60.5 90.7
114 32.6 29.2 35.6



#58
Ethyl Benzene
Concen: 8.096 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 91 Resp: 3690505
Ion Ratio Lower Upper
91 100
106 30.1 23.0 34.4





#59

m/p-Xylene

Concen: 6.911 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

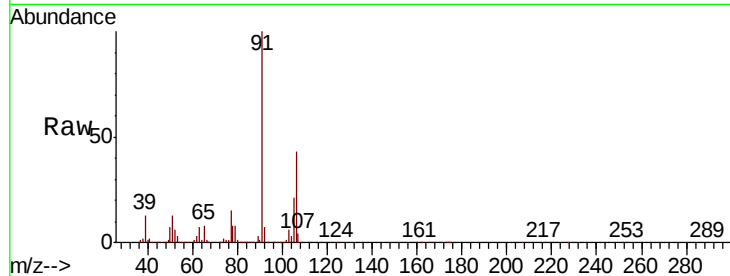
ClientSampled :

Tot Ion: 91 Resp: 2653357

Ion Ratio Lower Upper

91 100

106 98.8 33.6 50.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.02

1500000

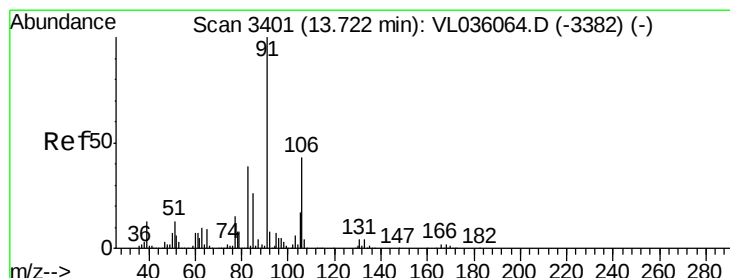
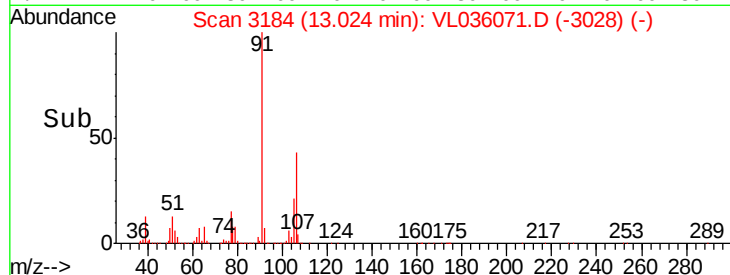
1000000

500000

0

13.00 13.05 13.10 13.15

Time-->



#60

o-Xylene

Concen: 7.960 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VL036071.D

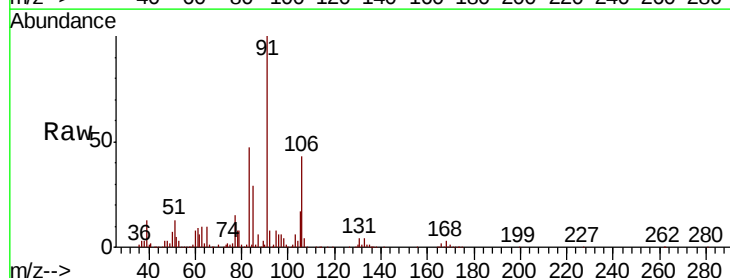
Acq: 7 Dec 2020 17:14

Tgt Ion: 91 Resp: 2879531

Ion Ratio Lower Upper

91 100

106 42.6 21.6 64.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.72

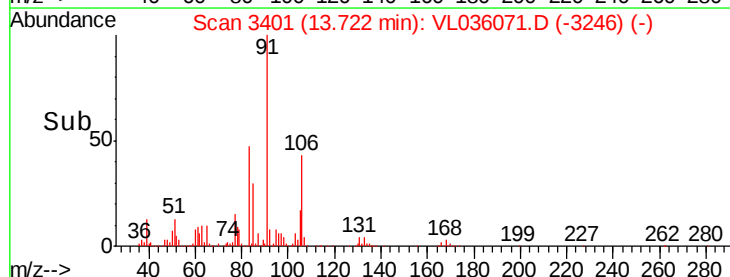
1000000

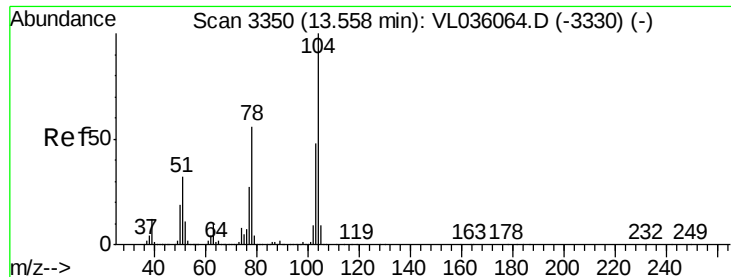
500000

0

13.60 13.70 13.80

Time-->

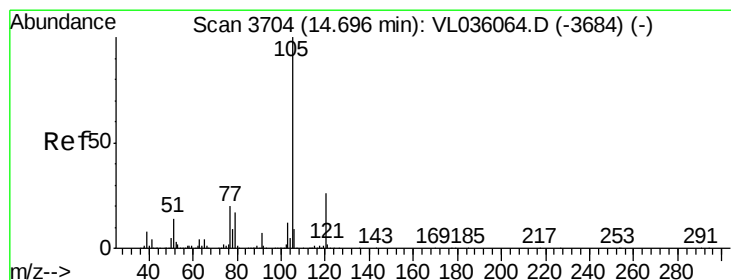
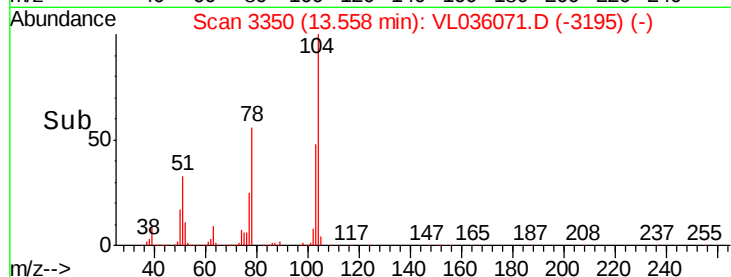
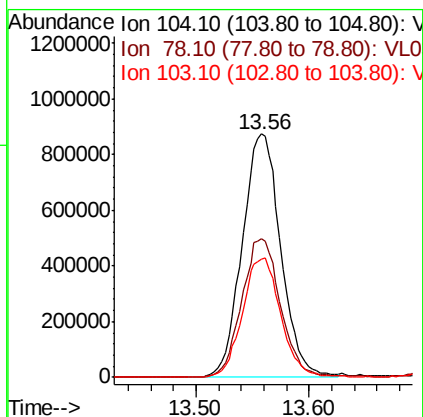
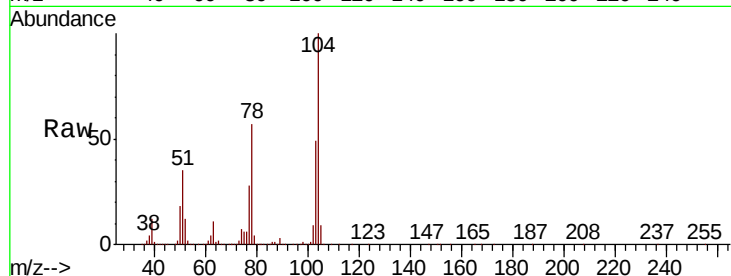




#61
Stvrene
Concen: 8.920 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

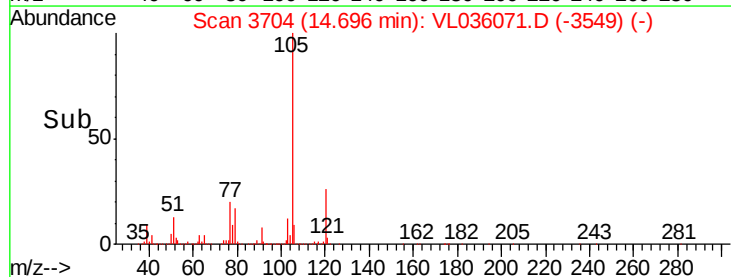
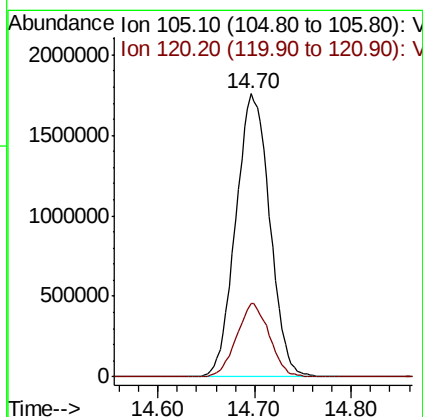
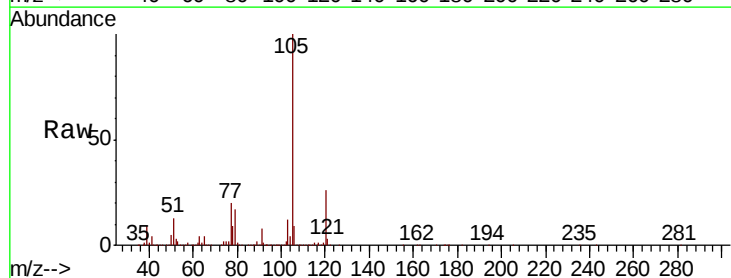
Instrument :
MSVOA_L
ClientSampleId :

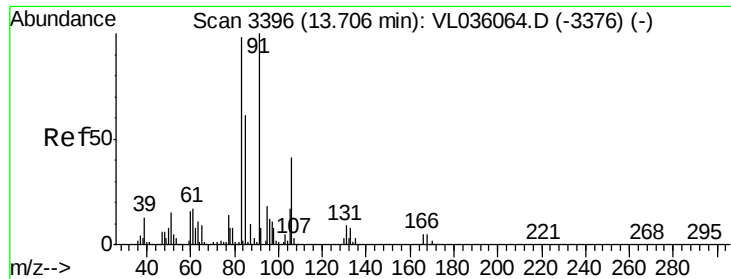
Tot Ion:104 Resp: 2071552
Ion Ratio Lower Upper
104 100
78 57.5 45.8 68.8
103 48.9 38.6 57.8



#62
Isopropylbenzene
Concen: 8.015 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion:105 Resp: 4297638
Ion Ratio Lower Upper
105 100
120 25.0 20.1 30.1

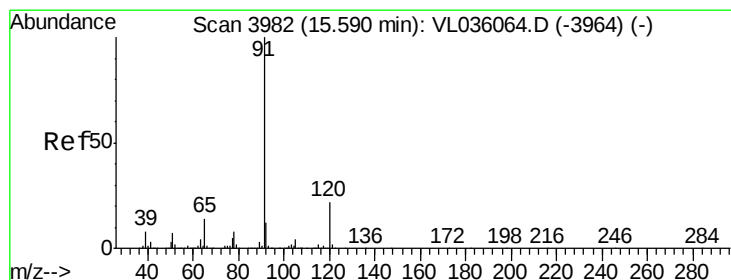
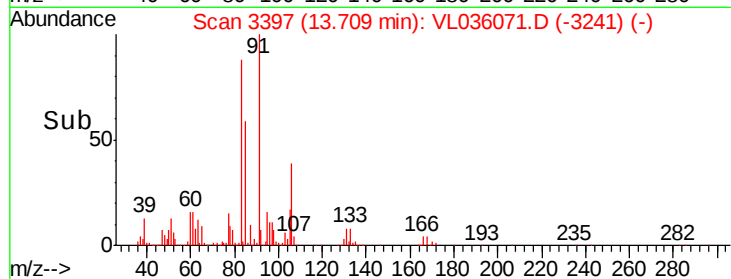
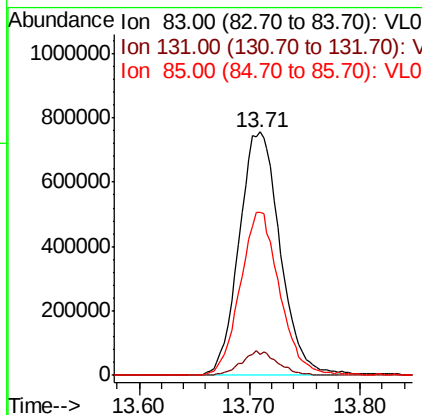
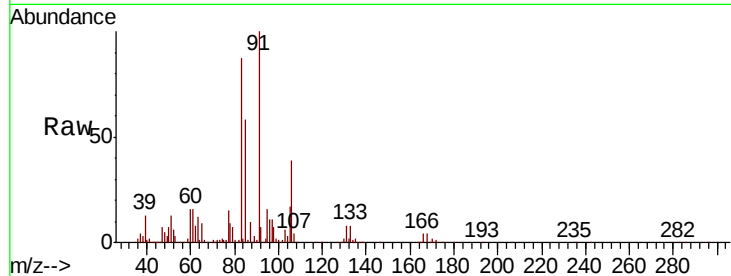




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.981 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

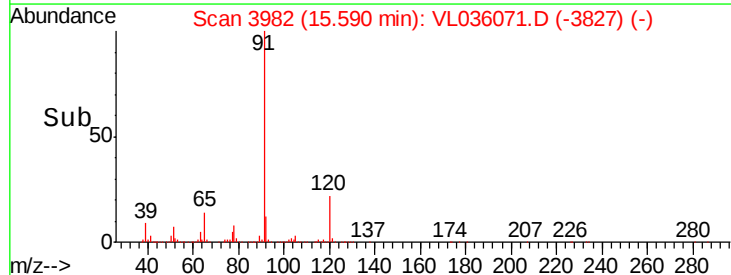
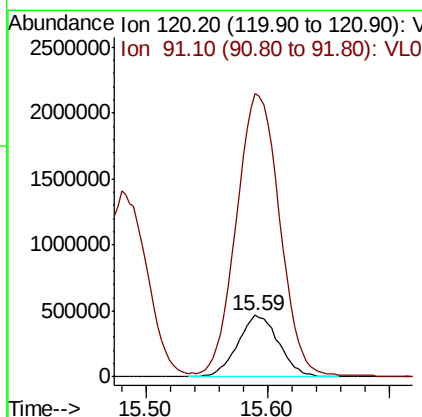
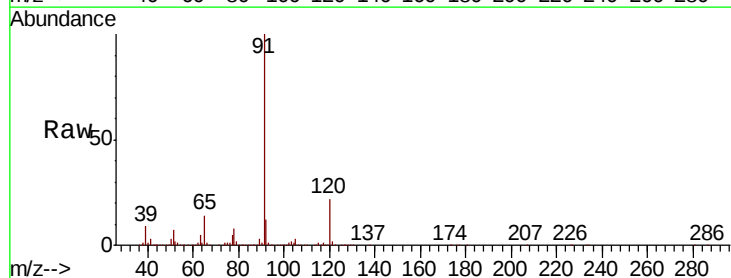
Instrument :
 MSVOA_L
 ClientSampleId :

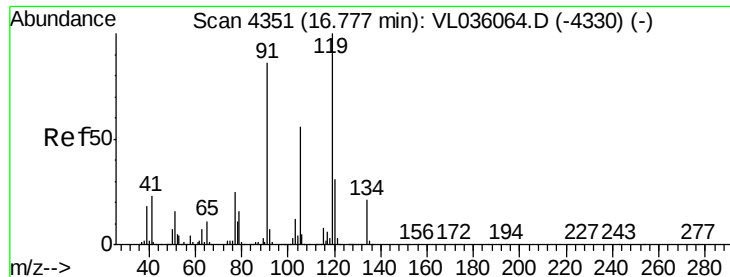
Tot Ion: 83 Resp: 1944473
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.6 13.8
 85 65.3 32.5 97.5



#64
 n-propylbenzene
 Concen: 8.406 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion:120 Resp: 1084390
 Ion Ratio Lower Upper
 120 100
 91 487.6 388.9 583.3





#65

tert-Butylbenzene

Concen: 8.263 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

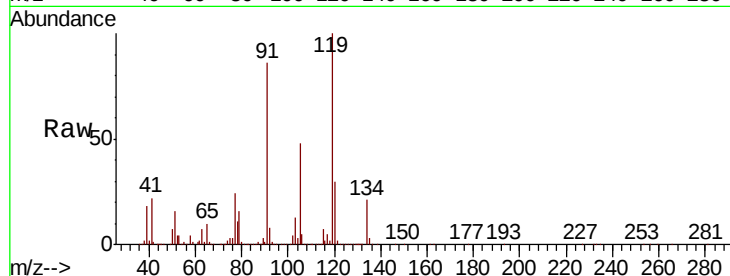
Tot Ion:119 Resp: 3626603

Ion Ratio Lower Upper

119 100

91 88.1 70.2 105.2

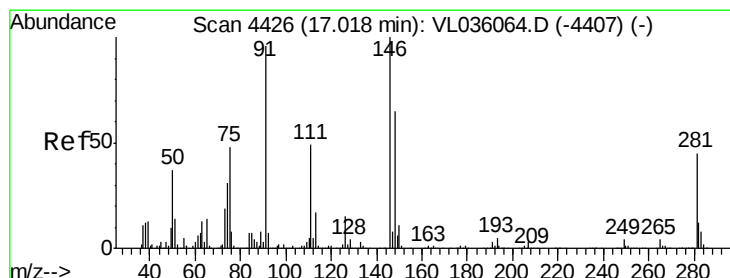
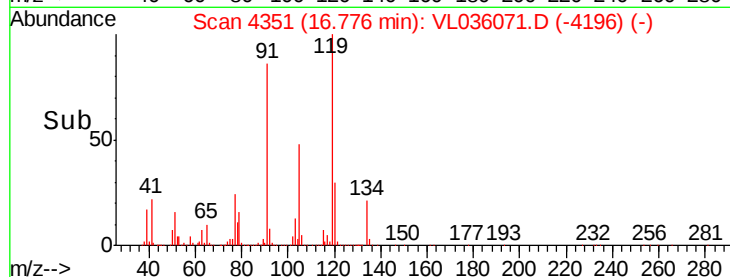
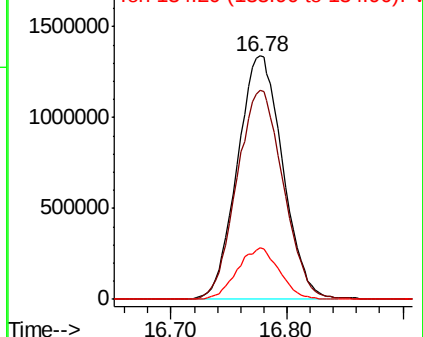
134 19.7 15.8 23.6



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: 12.930 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

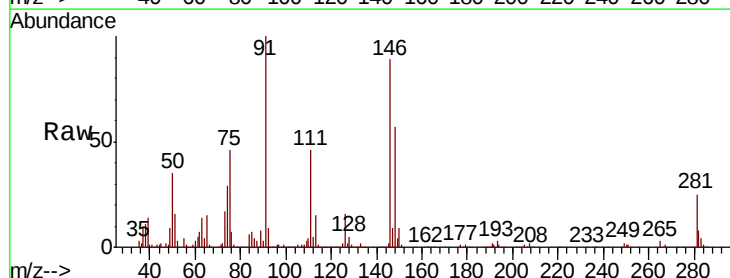
Tgt Ion: 91 Resp: 1413075

Ion Ratio Lower Upper

91 100

126 16.8 13.5 20.3

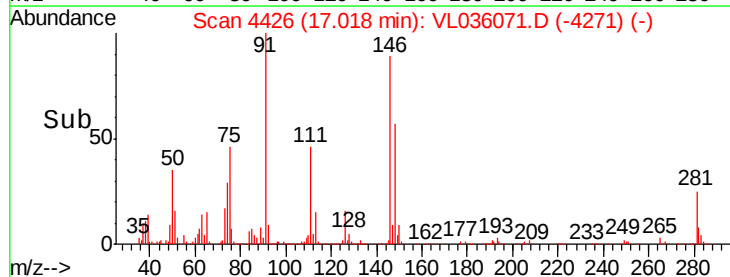
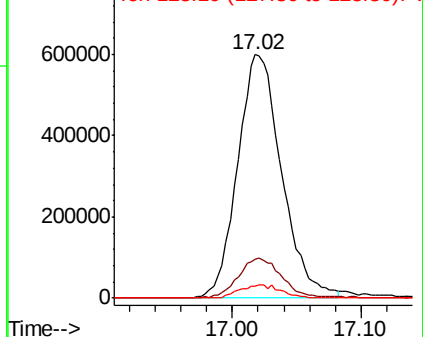
128 5.4 4.4 6.6

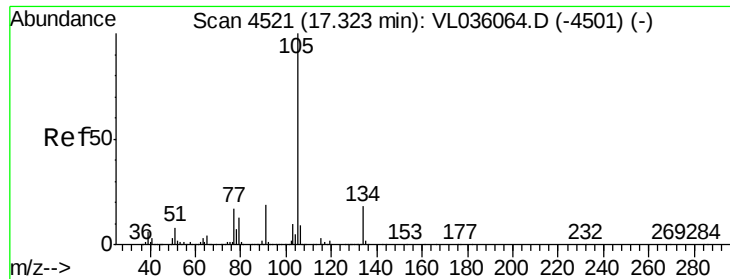


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

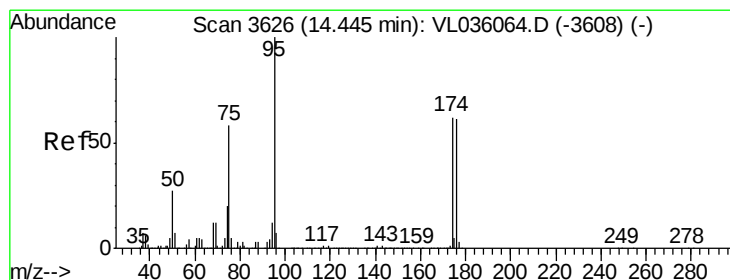
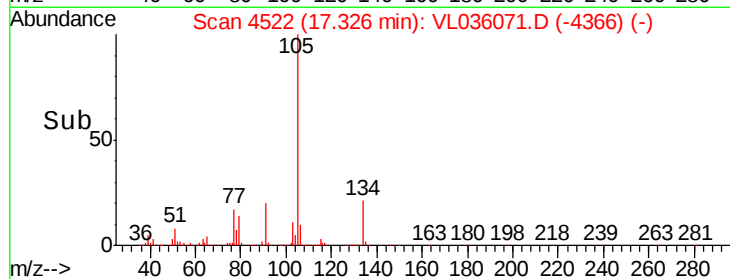
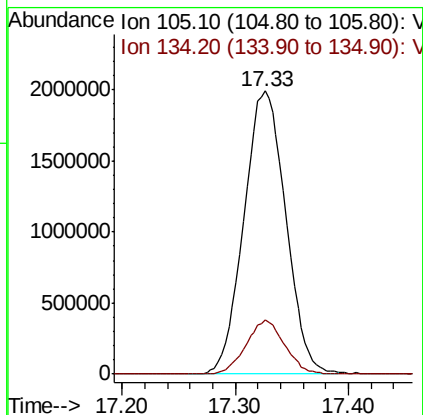
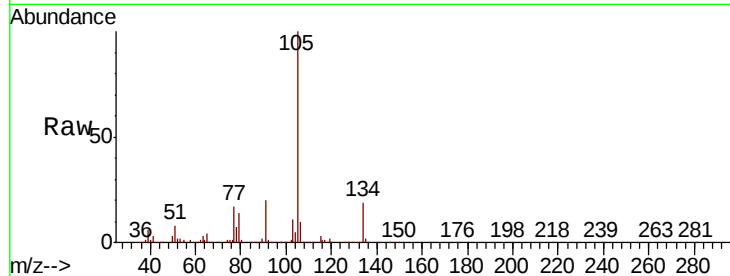




#67
 sec-Butylbenzene
 Concen: 8.337 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

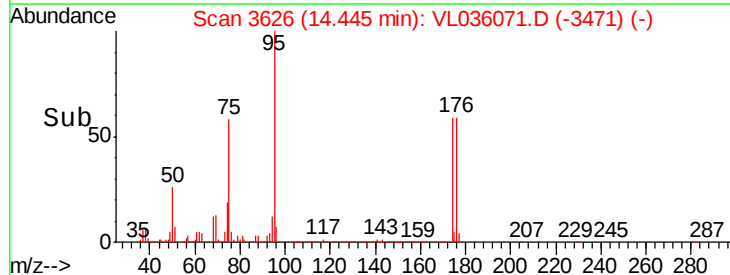
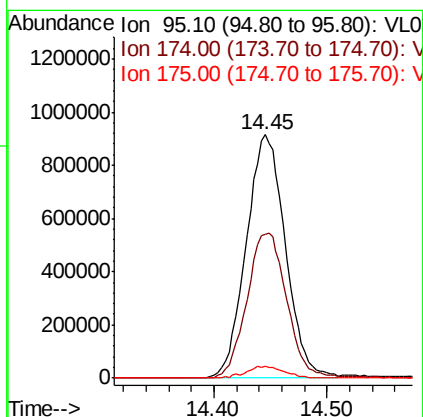
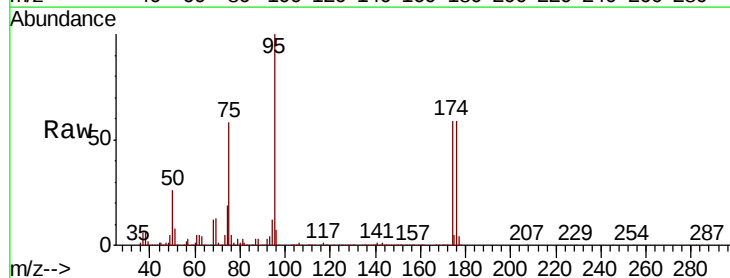
Instrument :
 MSVOA_L
 ClientSampled :

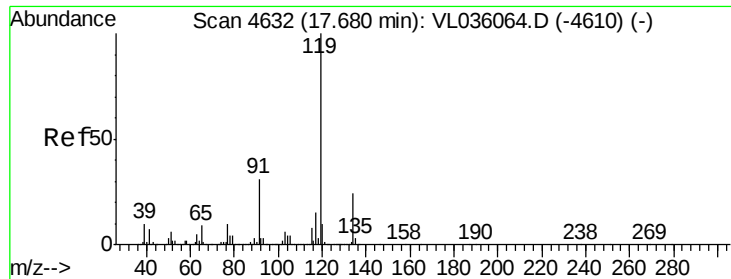
Tot Ion:105 Resp: 5120932
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.332 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 95 Resp: 2200785
 Ion Ratio Lower Upper
 95 100
 174 61.0 50.7 76.1
 175 4.7 4.0 6.0



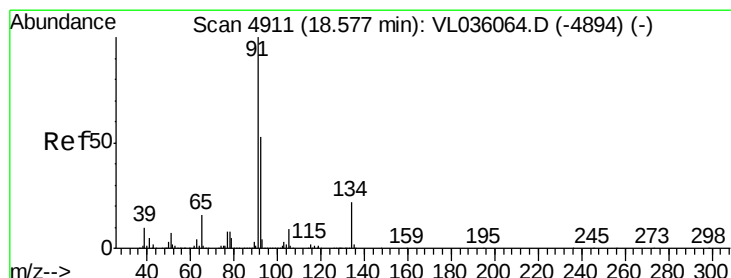
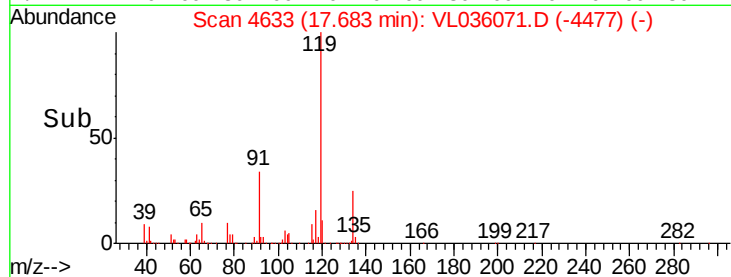
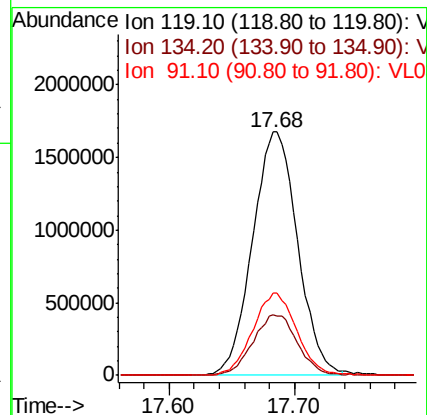
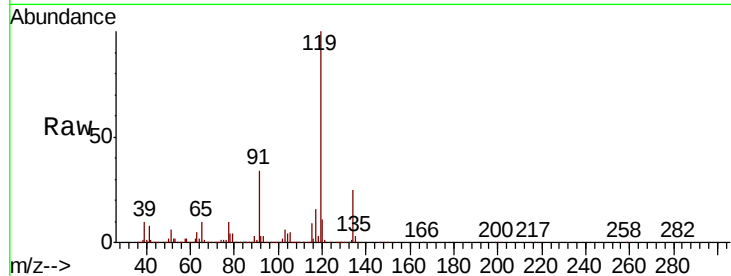


#69
 p-Isopropyltoluene
 Concen: 8.552 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 119 Resp: 4178447

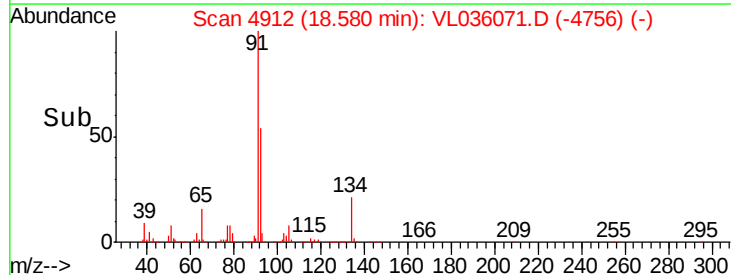
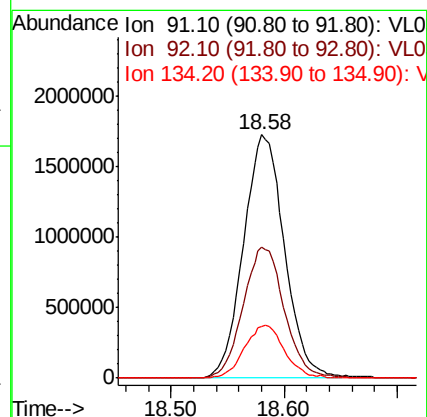
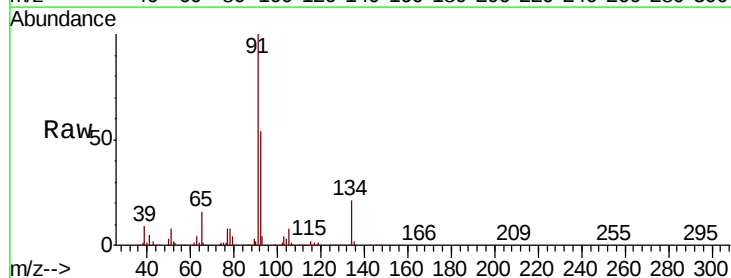
Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.8	29.6
91	33.0	25.8	38.6

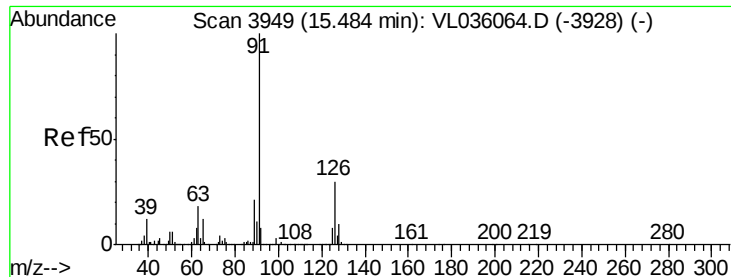


#70
 n-Butylbenzene
 Concen: 8.947 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 91 Resp: 4320665

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.3	64.9
134	21.5	17.1	25.7





#71

2-Chlorotoluene

Concen: 8.389 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

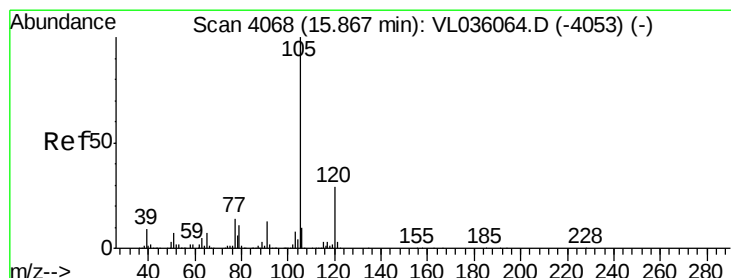
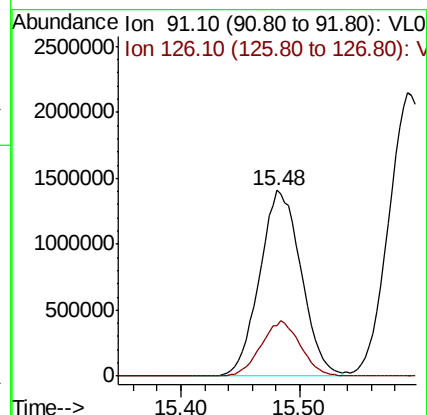
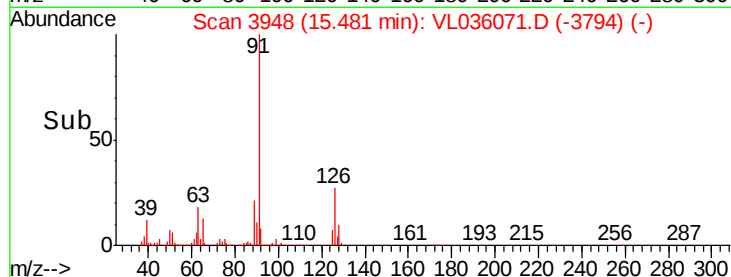
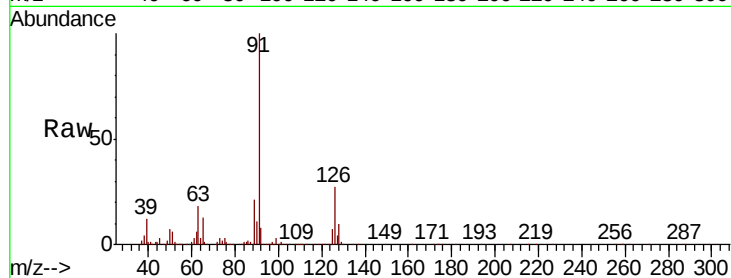
ClientSampleId :

Tot Ion: 91 Resp: 3400431

Ion Ratio Lower Upper

91 100

126 28.5 11.6 46.4



#72

4-Ethyltoluene

Concen: 8.535 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion:105 Resp: 3344617

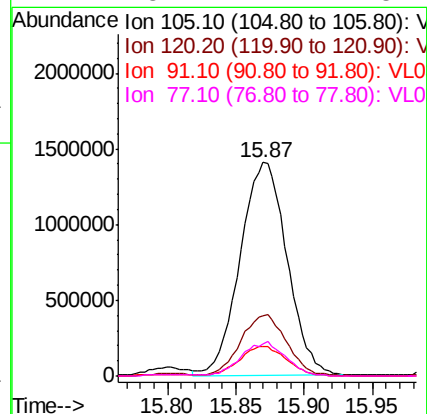
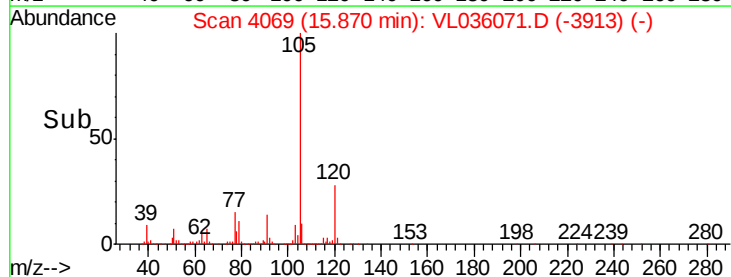
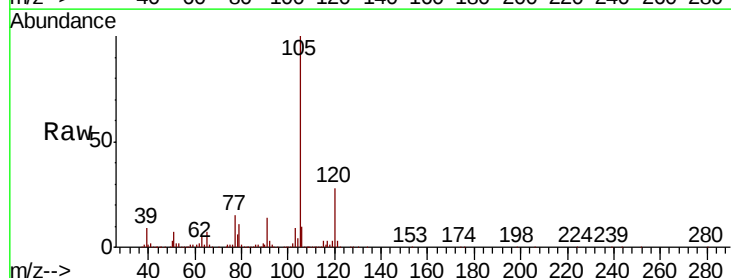
Ion Ratio Lower Upper

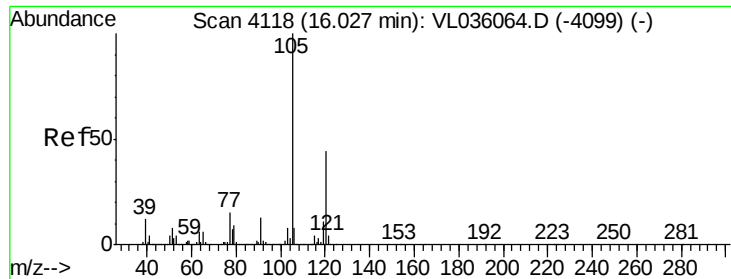
105 100

120 28.4 23.6 35.4

91 14.2 11.4 17.0

77 15.2 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 8.353 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

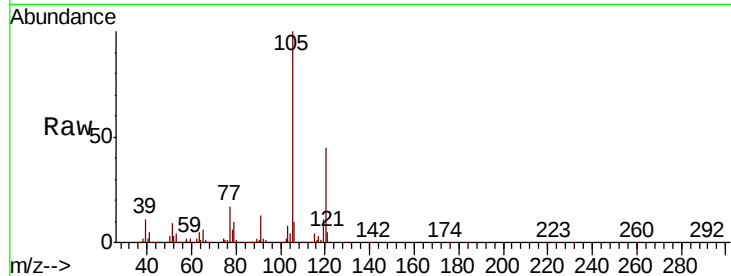
ClientSampleId :

Tot Ion:105 Resp: 3126236

Ion Ratio Lower Upper

105 100

120 45.2 35.4 53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

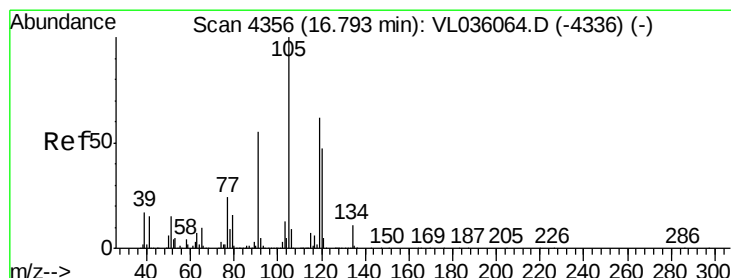
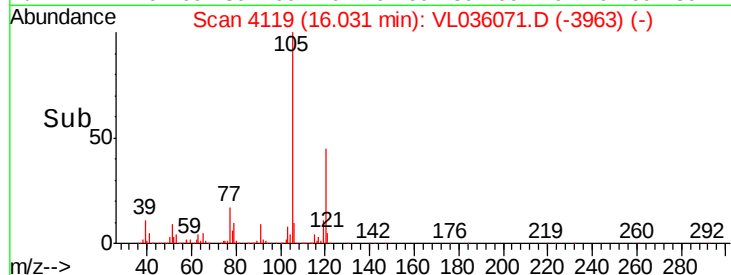
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.406 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion:105 Resp: 3157978

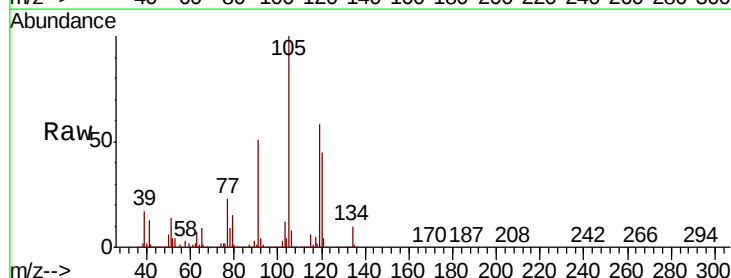
Ion Ratio Lower Upper

105 100

120 44.6 37.4 56.0

91 50.5 45.6 68.4

77 22.9 19.4 29.2



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

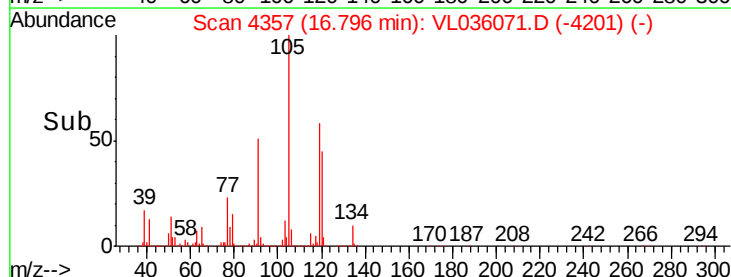
1500000

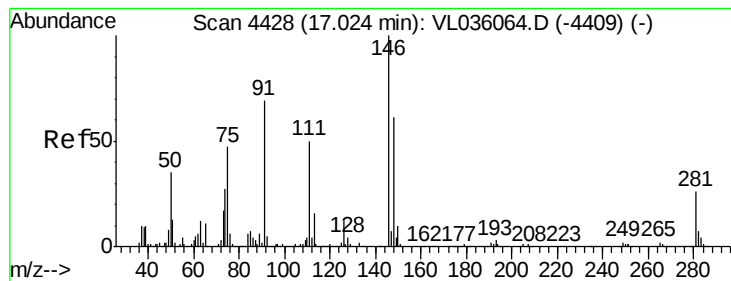
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.968 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampled :

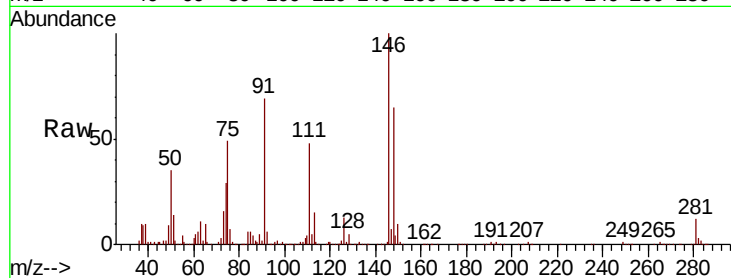
Tot Ion:146 Resp: 1686456

Ion Ratio Lower Upper

146 100

111 50.6 25.1 75.3

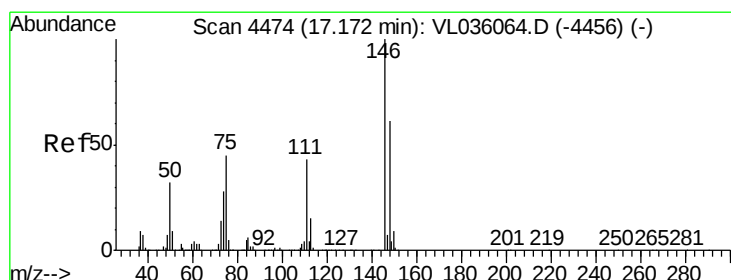
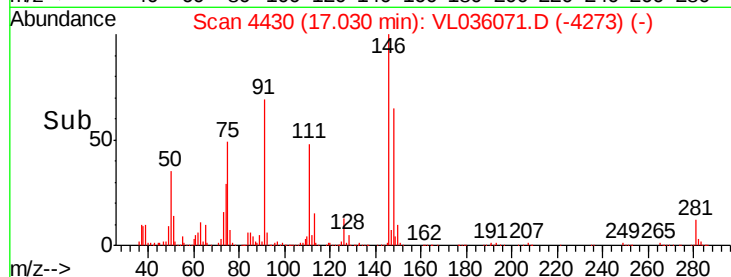
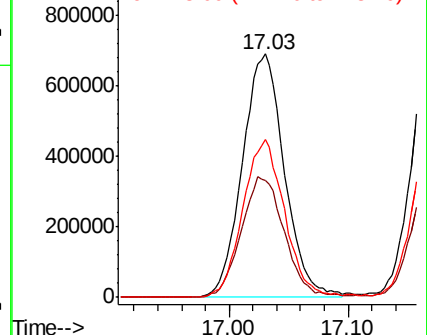
148 64.3 32.9 98.6



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: 8.476 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

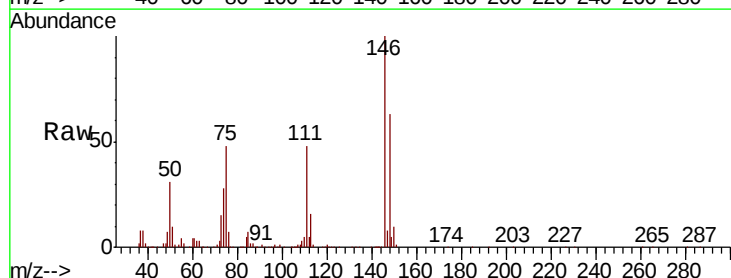
Tgt Ion:146 Resp: 1622826

Ion Ratio Lower Upper

146 100

111 50.8 24.3 72.8

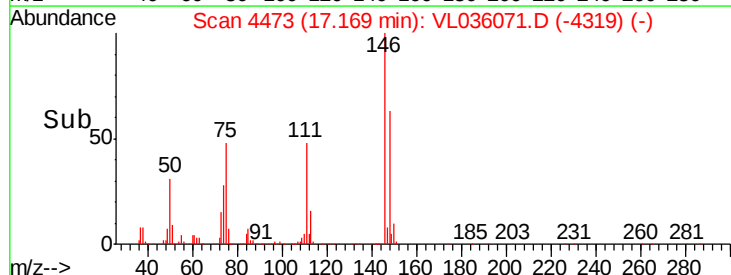
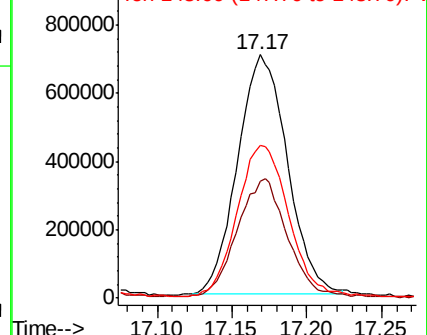
148 67.9 32.8 98.3

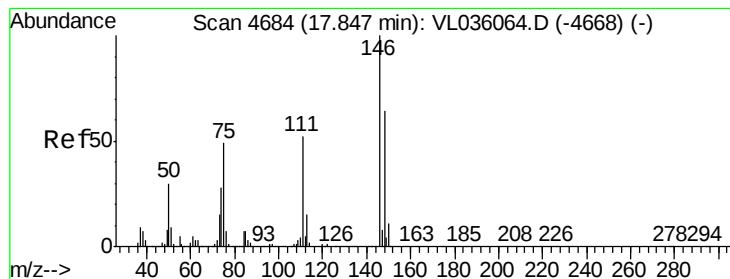


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.889 ppbv

RT: 17.85 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

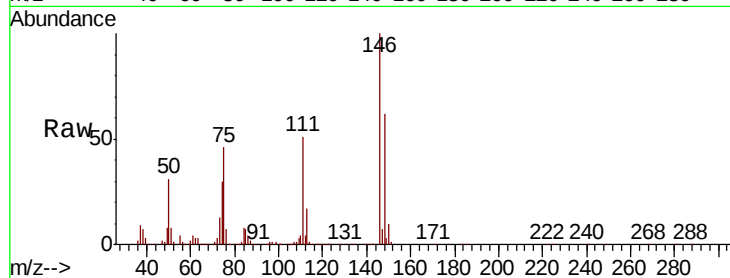
Tot Ion:146 Resp: 1596062

Ion Ratio Lower Upper

146 100

111 53.4 26.1 78.2

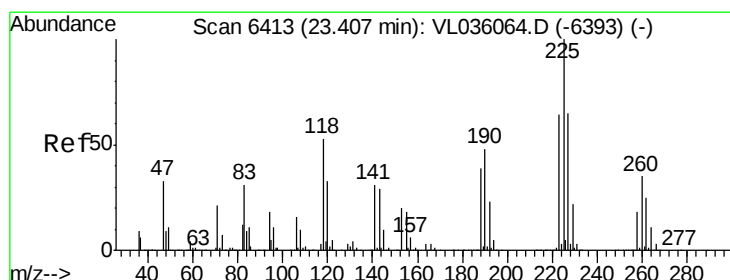
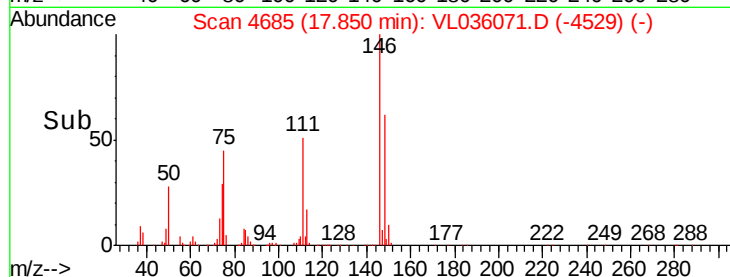
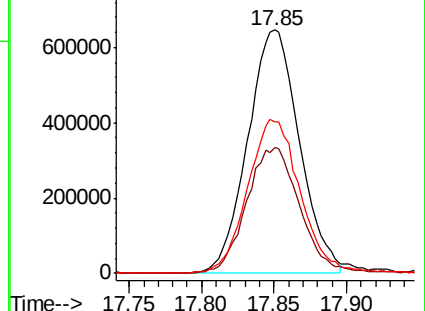
148 64.6 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.175 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

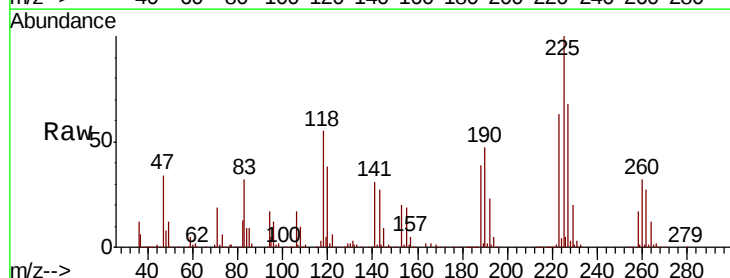
Tgt Ion:225 Resp: 1032514

Ion Ratio Lower Upper

225 100

223 64.7 51.1 76.7

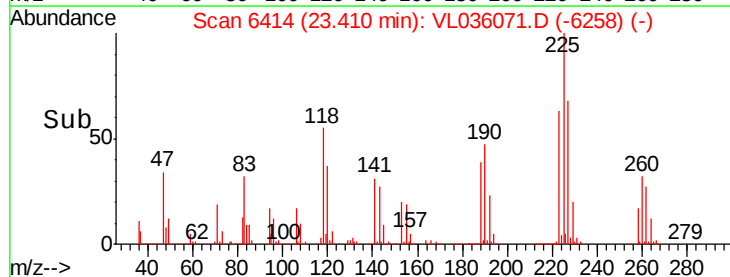
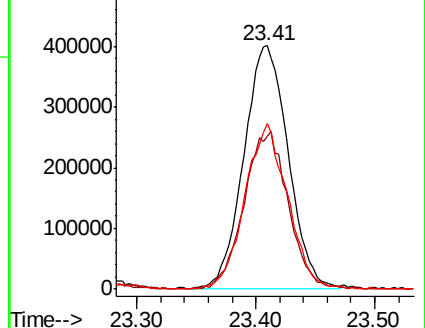
227 65.9 51.7 77.5

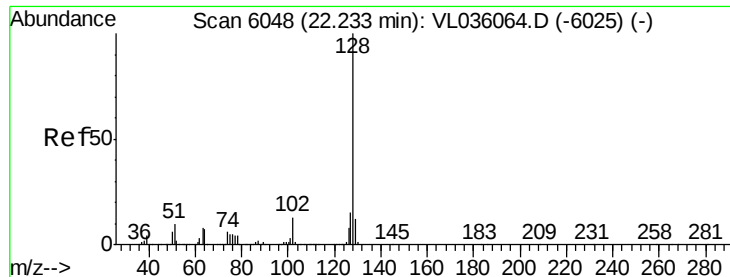


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.114 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

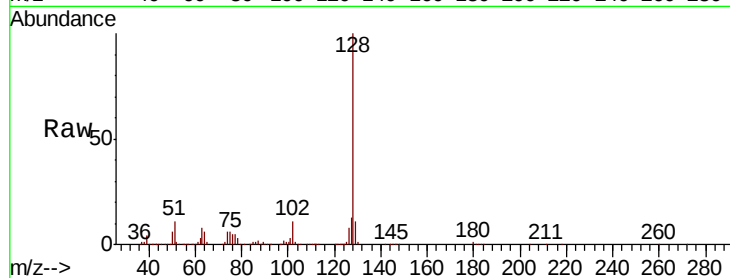
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 1740437

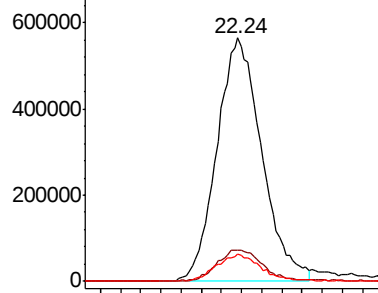
Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.7	17.5
129	11.5	9.3	13.9



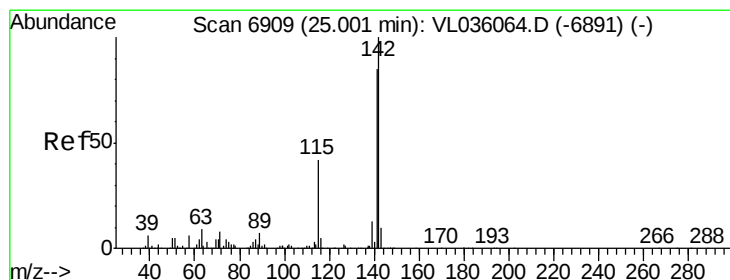
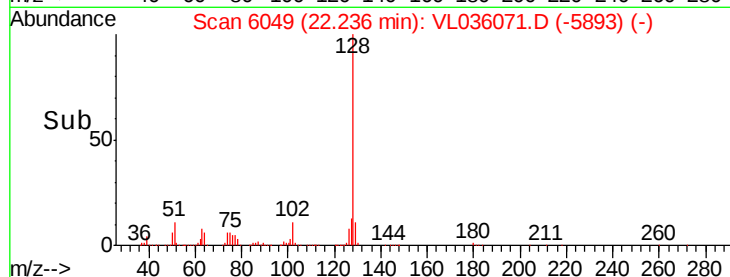
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 19.600 ppbv

RT: 25.00 min Scan# 6909

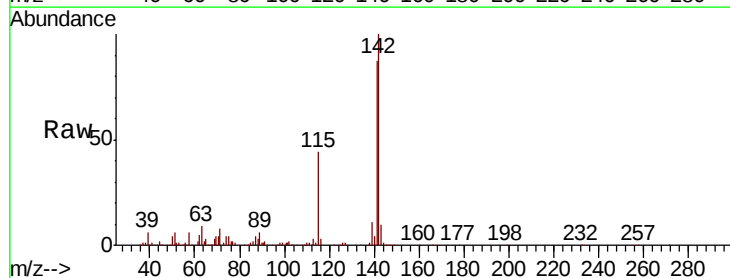
Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion:142 Resp: 836934

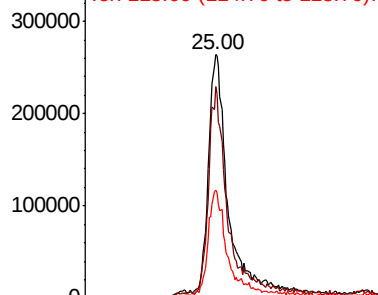
Ion	Ratio	Lower	Upper
142	100		
141	84.4	64.3	96.5
115	44.5	33.9	50.9



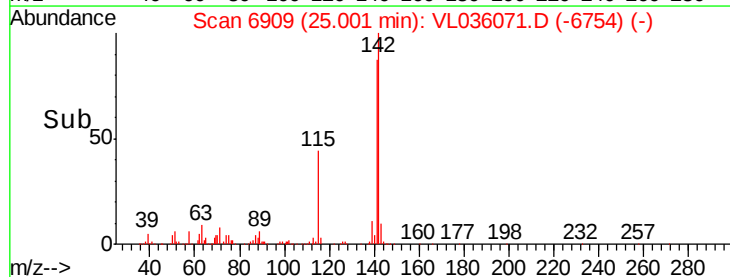
Abundance Ion 142.00 (141.70 to 142.70): V

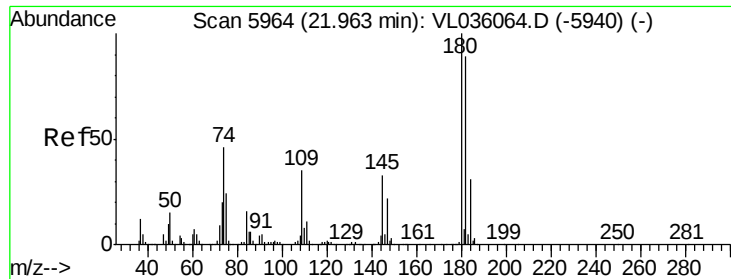
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 8.093 ppbv
 RT: 21.97 min Scan# 5965
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1032533
 Ion Ratio Lower Upper
 180 100
 182 99.6 0.0 0.0#
 184 31.5 0.0 0.0#

