

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035240.D
 Acq On : 29 Jul 2020 9:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:46:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1471729	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3518186	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4114231	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2667583	8.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1475320	8.393	ppbv 100
3) Chlorodifluoromethane	2.94	51	1426015	8.753	ppbv 98
4) Chloromethane	3.10	50	822320	8.970	ppbv 99
5) Vinyl Chloride	3.21	62	847057	8.870	ppbv 98
6) Bromomethane	3.43	94	514459	8.722	ppbv 98
7) Chloroethane	3.52	64	317331	9.206	ppbv 94
8) Dichlorotetrafluoroethane	3.14	85	1896612	8.504	ppbv 99
9) Propene	2.96	41	569858	10.035	ppbv 99
10) Heptane	8.13	43	1645147	10.703	ppbv 99
11) Trichlorofluoromethane	3.92	101	2026432	8.571	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1422432	8.483	ppbv 98
13) Ethanol	3.57	45	140806	6.092	ppbv 91
14) Bromoethene	3.70	108	636795	9.306	ppbv 99
15) Acetone	3.82	43	1539060	7.840	ppbv 99
16) 1,3-Butadiene	3.29	39	754877	9.858	ppbv 96
17) tert-Butyl alcohol	4.26	59	1769270	9.338	ppbv 99
18) 1,1-Dichloroethene	4.26	96	672267	9.030	ppbv 93
19) Isopropyl Alcohol	3.93	45	1153983	8.913	ppbv 99
20) Methylene Chloride	4.32	84	632522	7.078	ppbv 97
21) Allyl Chloride	4.38	41	1074952	9.615	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	660501	9.233	ppbv 98
23) Vinyl Acetate	5.05	43	2035969	10.322	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1693269	9.205	ppbv 100
25) Ethyl Acetate	5.66	43	2907079	9.483	ppbv 99
26) Hexane	5.67	57	1324482	9.577	ppbv 98
27) Carbon Disulfide	4.53	76	1751150	9.372	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2040119	10.319	ppbv 100
29) Chloroform	5.74	83	2058584	8.875	ppbv 97
30) Cyclohexane	7.13	84	1083796	10.964	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1270381	10.538	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2053585	8.650	ppbv 99
34) 2-Butanone	5.23	43	1765536	9.863	ppbv 100
35) Carbon Tetrachloride	7.02	117	2103442	8.929	ppbv 100
36) Benzene	6.90	78	2535793	10.371	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1604511	9.387	ppbv 99
38) Trichloroethene	7.85	130	1040755	10.270	ppbv 92
39) 1,2-Dichloropropane	7.62	63	994776	10.197	ppbv 99
40) 1,4-Dioxane	7.84	88	392994	10.230	ppbv 90
41) Tetrahydrofuran	6.04	42	974456	11.107	ppbv 99
42) Bromodichloromethane	7.81	83	2205914	9.669	ppbv 98
43) Methyl Methacrylate	8.02	69	1157830	10.929	ppbv 98

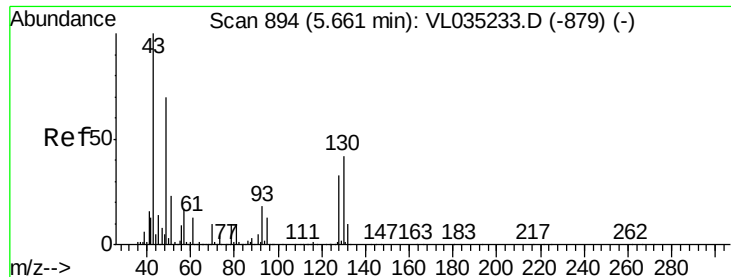
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035240.D
 Acq On : 29 Jul 2020 9:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:46:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4378173	10.163	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1283145	12.021	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1538471	11.831	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1097188	9.521	ppbv	98
48) Dibromochloromethane	10.33	129	1852528	10.207	ppbv	99
49) Bromoform	13.08	173	1665081	10.205	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2736863	10.550	ppbv	99
51) 2-Hexanone	10.15	43	2211924	11.244	ppbv #	99
52) Tetrachloroethene	11.26	164	944665	10.126	ppbv	95
53) Toluene	9.83	91	2988463	11.500	ppbv	100
54) 1,2-Dibromoethane	10.64	107	998630	5.993	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1439102	7.607	ppbv	99
57) Chlorobenzene	12.18	112	2384139	7.702	ppbv	95
58) Ethyl Benzene	12.74	91	4063448	9.326	ppbv	100
59) m/p-Xylene	13.03	91	3601264	8.878	ppbv #	37
60) o-Xylene	13.73	91	3430610	8.476	ppbv	100
61) Styrene	13.56	104	2427722	9.882	ppbv	99
62) Isopropylbenzene	14.70	105	5006740	8.311	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2476196	7.110	ppbv	100
64) n-propylbenzene	15.60	120	750441	4.685	ppbv #	1
65) tert-Butylbenzene	16.79	119	4538553	8.317	ppbv	99
66) Benzyl Chloride	17.04	91	1768167	8.272	ppbv	100
67) sec-Butylbenzene	17.34	105	6404370	8.032	ppbv	100
69) p-Isopropyltoluene	17.70	119	5376765	8.266	ppbv	100
70) n-Butylbenzene	18.60	91	5650885	8.030	ppbv	99
71) 2-Chlorotoluene	15.49	91	3945868	8.687	ppbv	100
72) 4-Ethyltoluene	15.88	105	4070916	8.936	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3815824	8.589	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	4011563	7.757	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	2376363	7.116	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2378567	7.875	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2269449	7.588	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1643023	6.711	ppbv	99
79) Naphthalene	22.27	128	3306870	8.041	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1080906	8.121	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1871570	7.476	ppbv	100

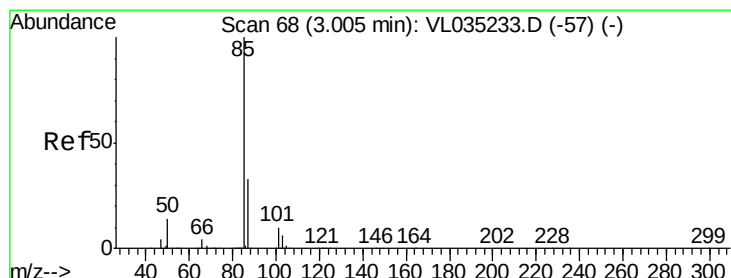
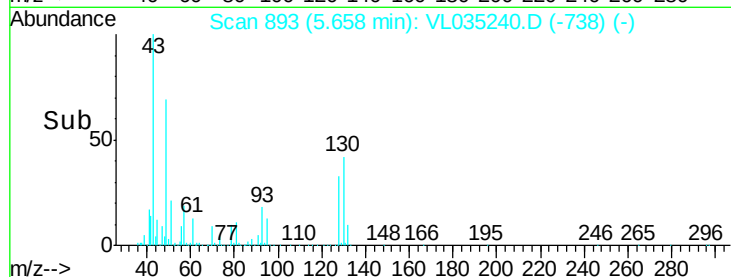
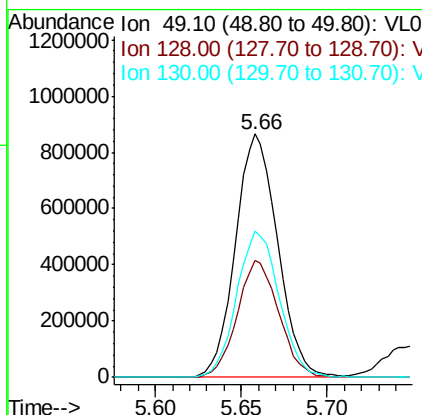
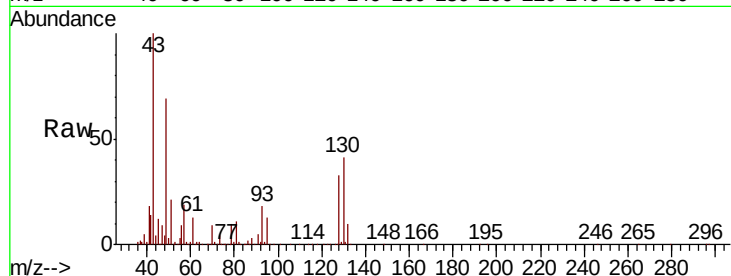
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

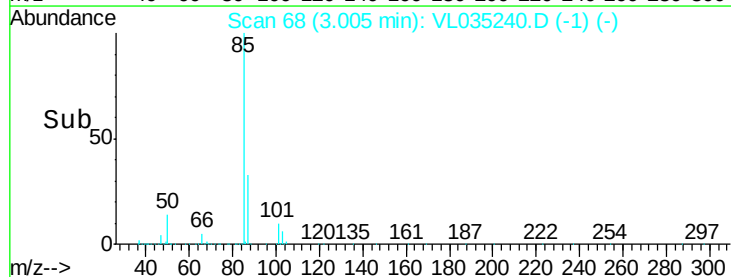
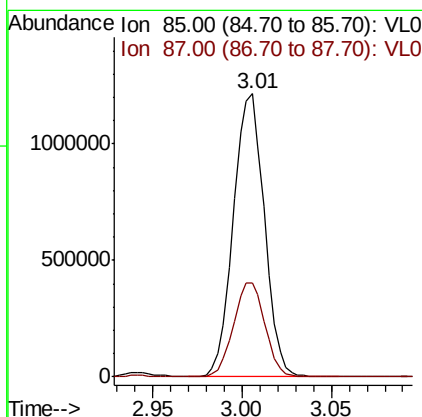
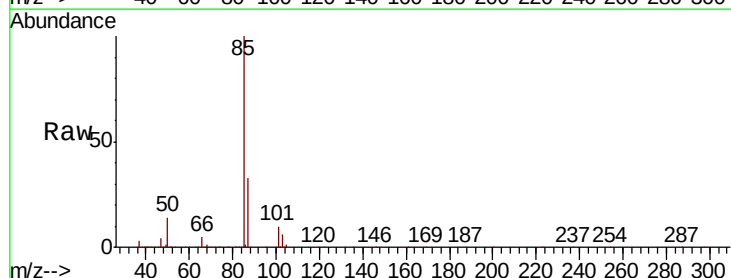
Instrument :
 MSVOA_L
 ClientSampleId :

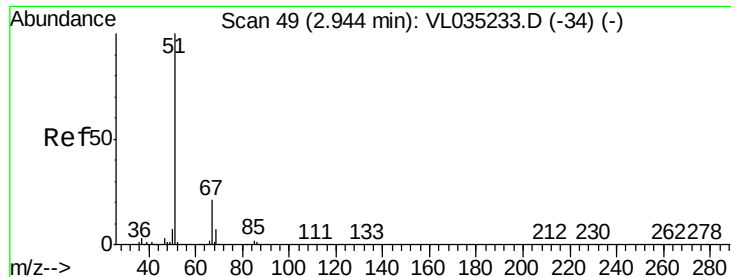
Tot Ion: 49 Resp: 1471729
 Ion Ratio Lower Upper
 49 100
 128 47.8 24.0 72.0
 130 61.5 30.7 92.1



#2
 Dichlorodifluoromethane
 Concen: 8.393 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Tgt Ion: 85 Resp: 1475320
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.7 40.1





#3

Chlorodifluoromethane

Concen: 8.753 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

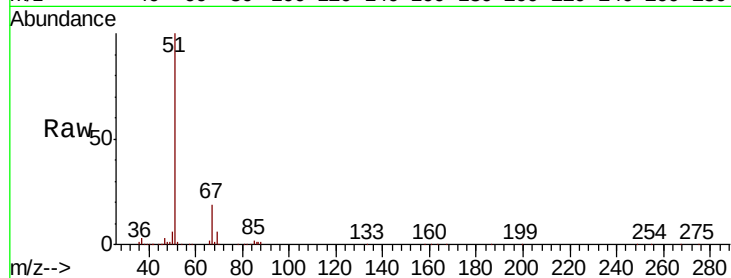
ClientSampleId :

Tot Ion: 51 Resp: 1426015

Ion Ratio Lower Upper

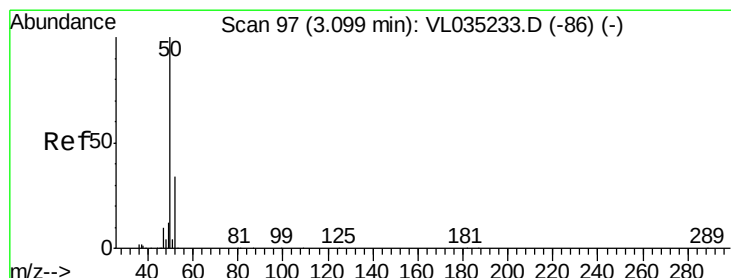
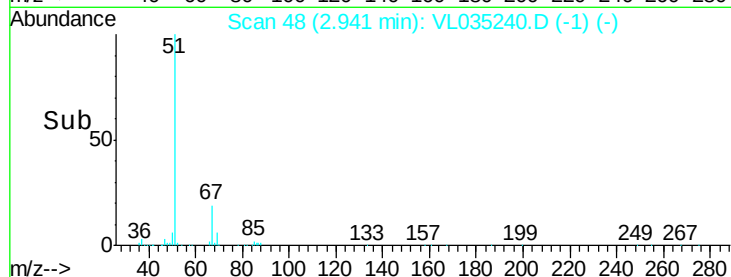
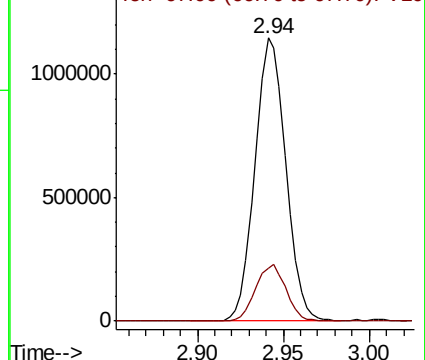
51 100

67 19.8 16.6 25.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.970 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL035240.D

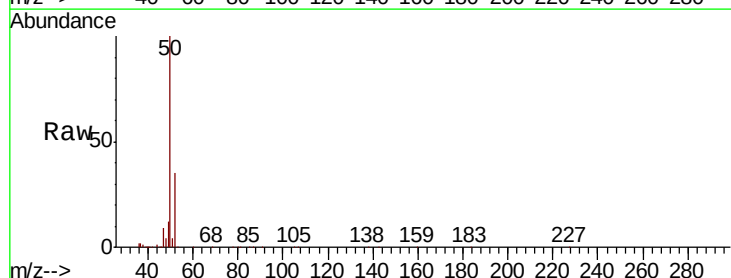
Acq: 29 Jul 2020 9:14

Tgt Ion: 50 Resp: 822320

Ion Ratio Lower Upper

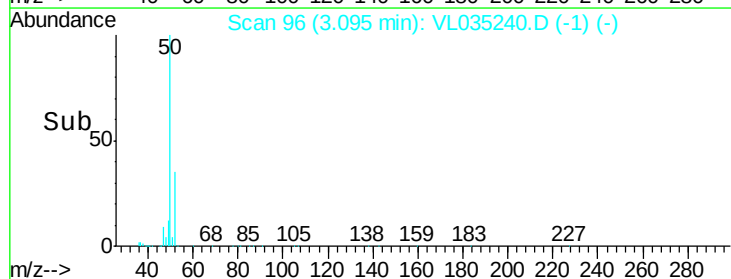
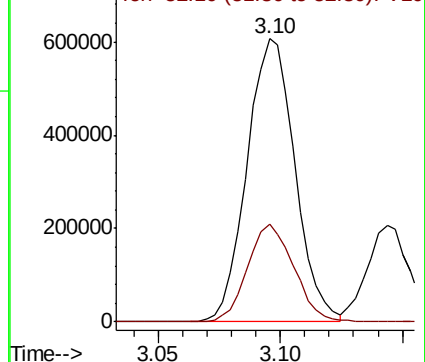
50 100

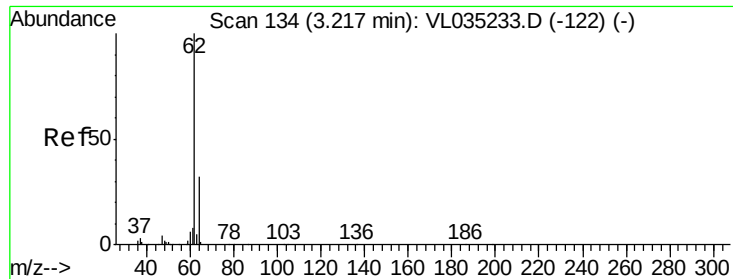
52 34.7 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.870 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

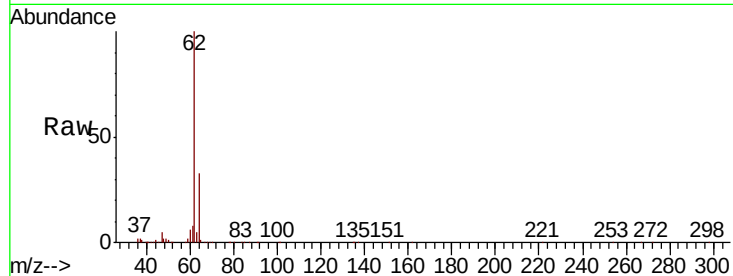
ClientSampleId :

Tot Ion: 62 Resp: 847057

Ion Ratio Lower Upper

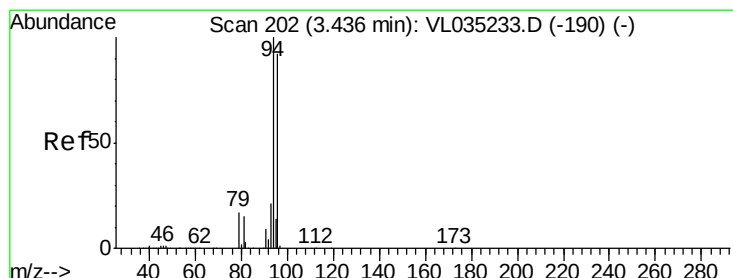
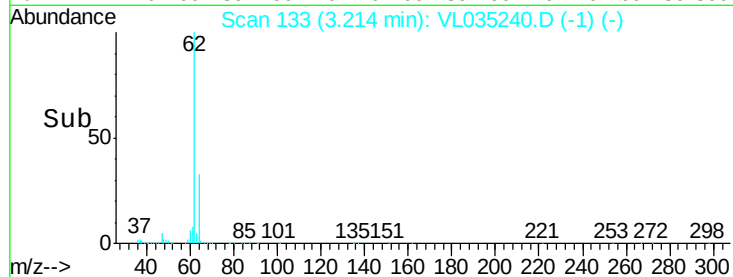
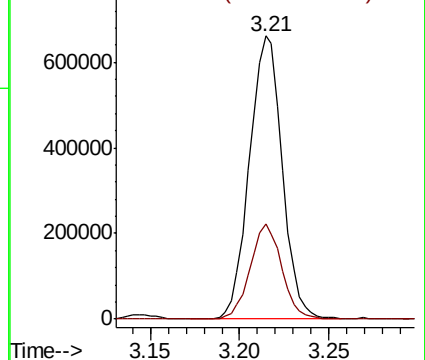
62 100

64 33.4 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.722 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035240.D

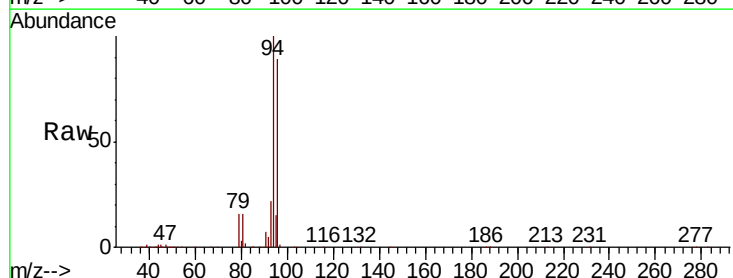
Acq: 29 Jul 2020 9:14

Tgt Ion: 94 Resp: 514459

Ion Ratio Lower Upper

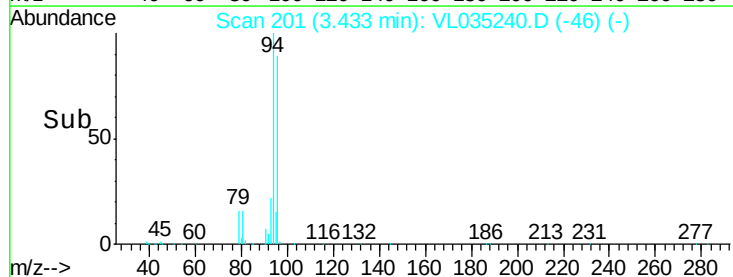
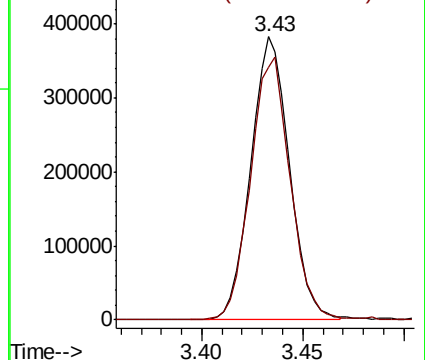
94 100

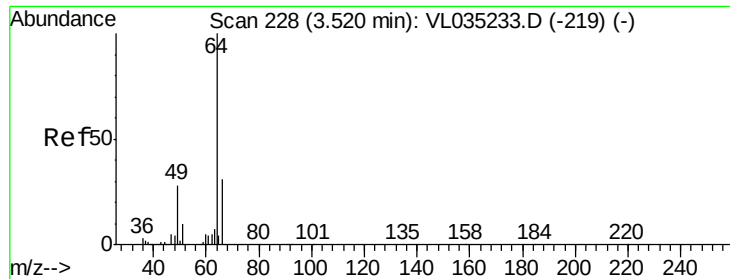
96 89.2 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.206 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

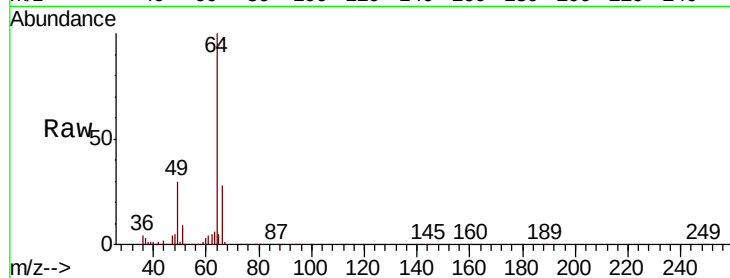
ClientSampled :

Tot Ion: 64 Resp: 317331

Ion Ratio Lower Upper

64 100

66 28.4 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

250000

200000

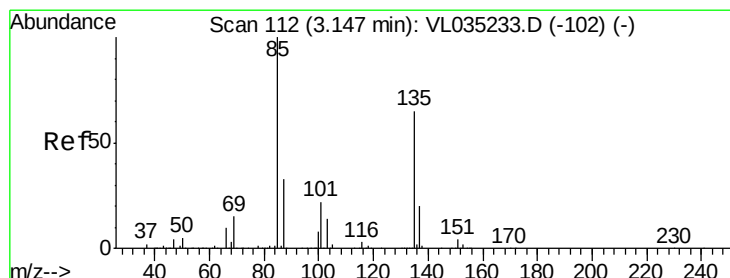
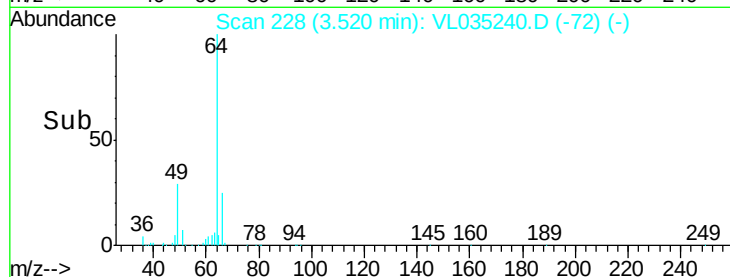
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.504 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035240.D

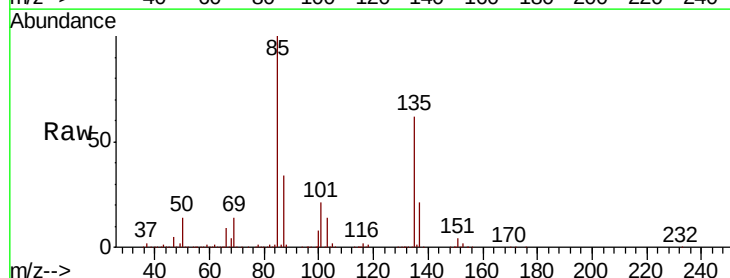
Acq: 29 Jul 2020 9:14

Tgt Ion: 85 Resp: 1896612

Ion Ratio Lower Upper

85 100

135 64.8 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.14

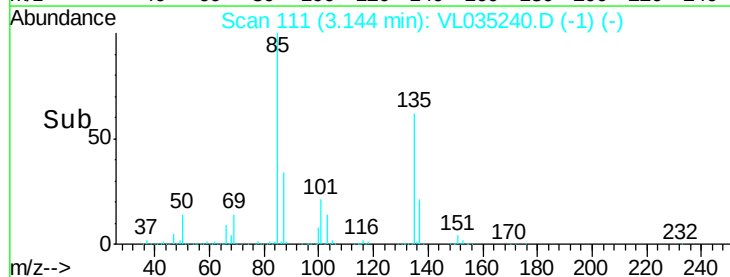
1500000

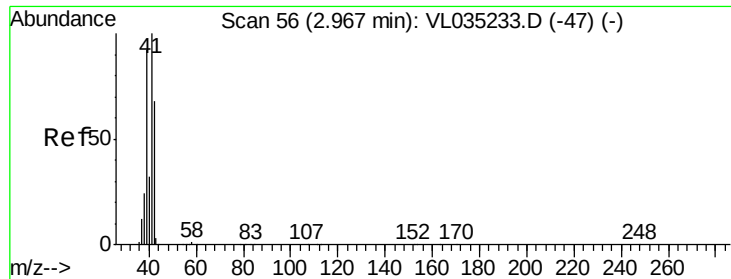
1000000

500000

0

Time-->





#9

Propene

Concen: 10.035 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

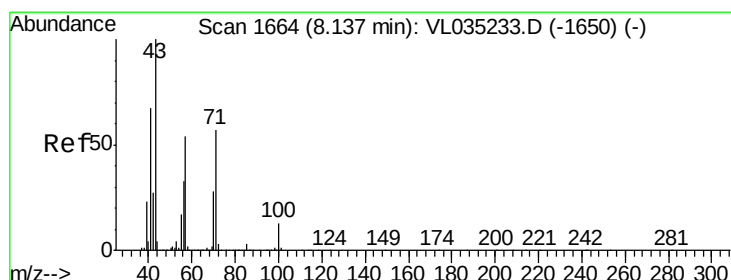
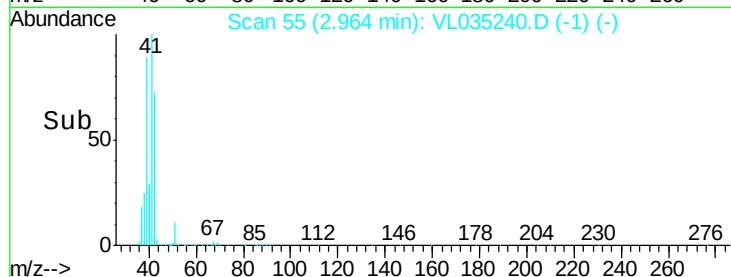
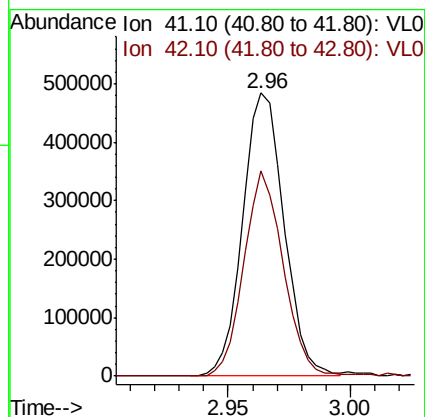
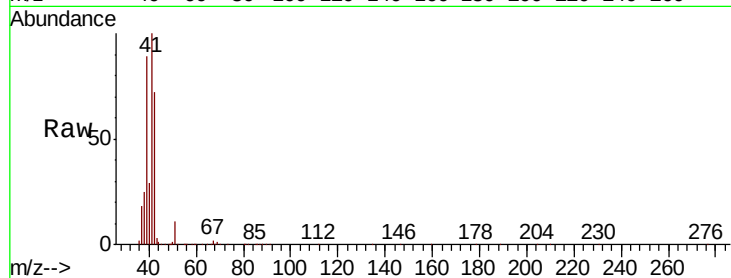
ClientSampled :

Tot Ion: 41 Resp: 569858

Ion Ratio Lower Upper

41 100

42 69.7 55.0 82.6



#10

Heptane

Concen: 10.703 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL035240.D

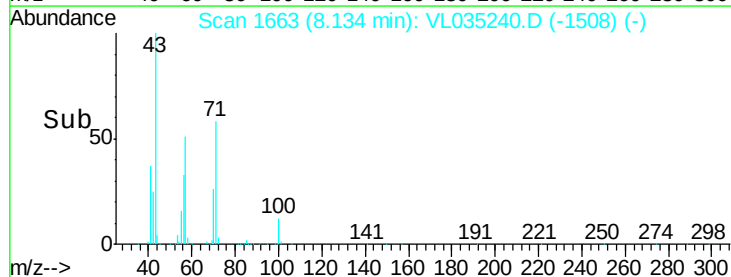
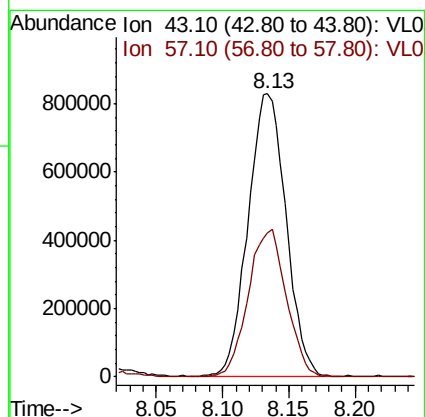
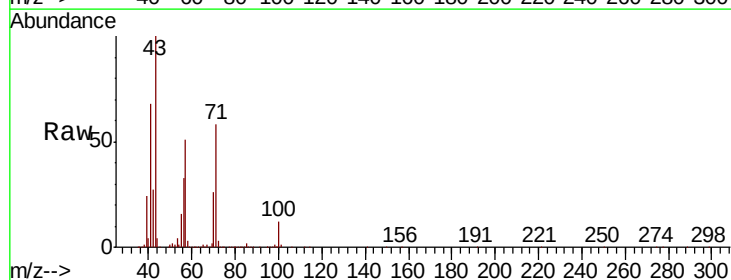
Acq: 29 Jul 2020 9:14

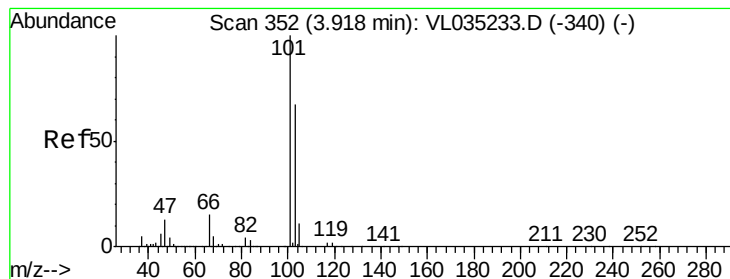
Tgt Ion: 43 Resp: 1645147

Ion Ratio Lower Upper

43 100

57 52.7 43.0 64.4





#11

Trichlorofluoromethane

Concen: 8.571 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

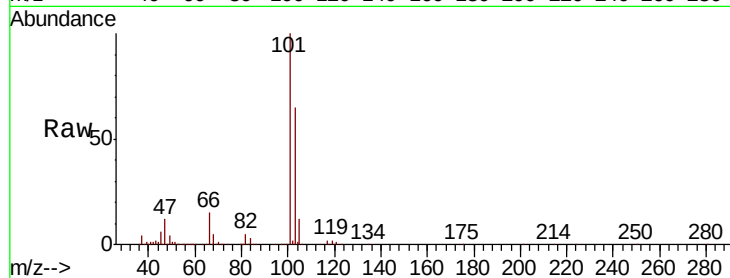
ClientSampleId :

Tot Ion:101 Resp: 2026432

Ion Ratio Lower Upper

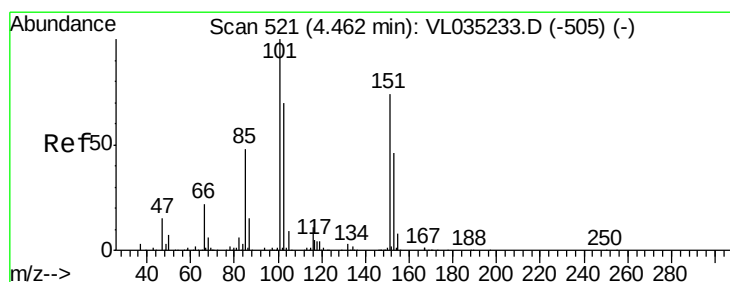
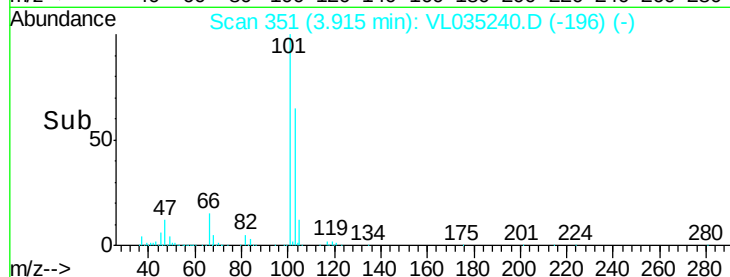
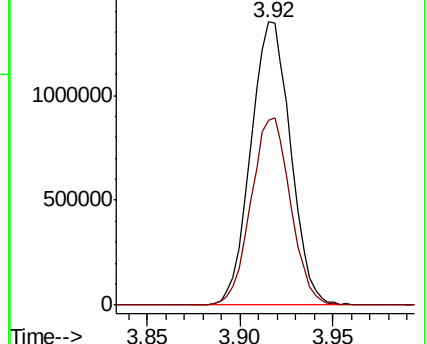
101 100

103 65.2 53.4 80.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.483 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL035240.D

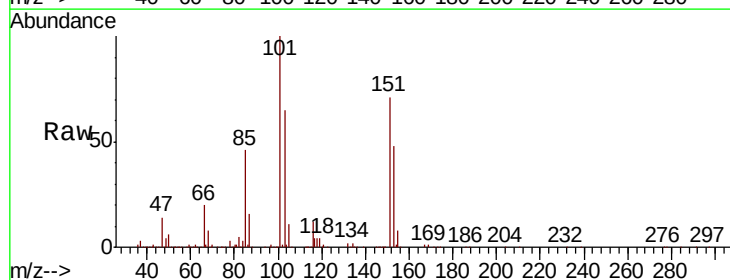
Acq: 29 Jul 2020 9:14

Tgt Ion:101 Resp: 1422432

Ion Ratio Lower Upper

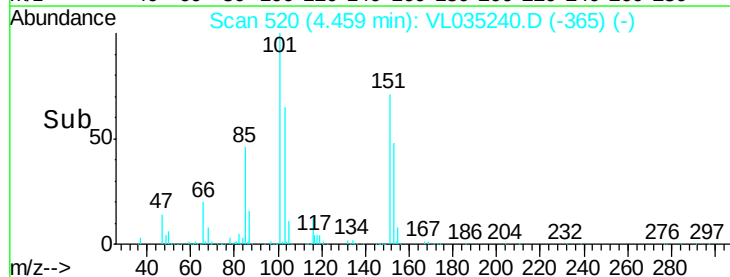
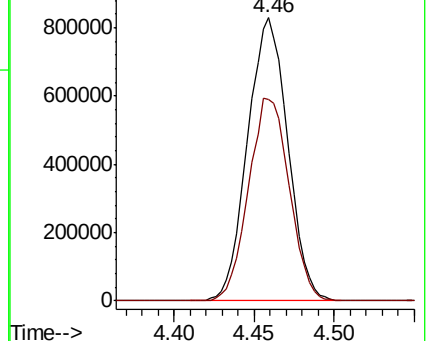
101 100

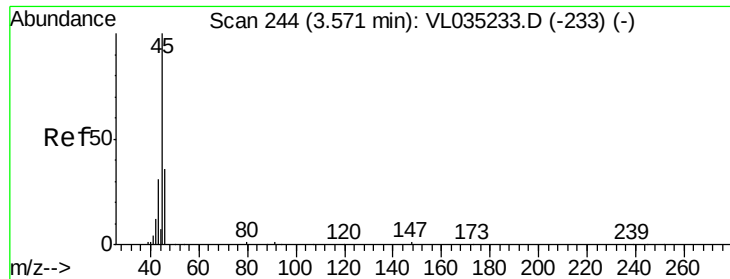
151 72.9 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.092 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

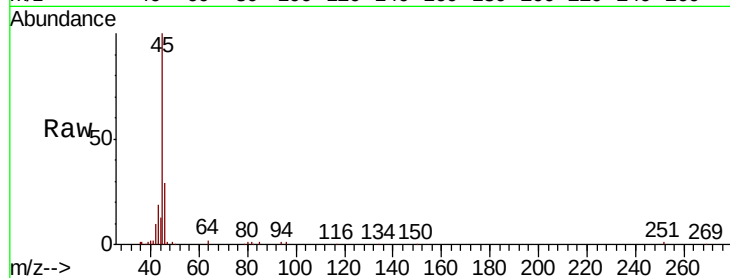
ClientSampleId :

Tot Ion: 45 Resp: 140806

Ion Ratio Lower Upper

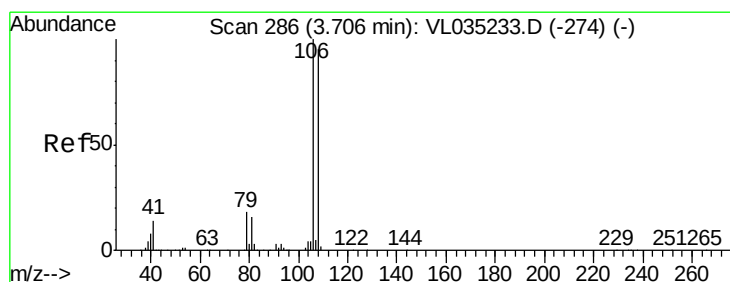
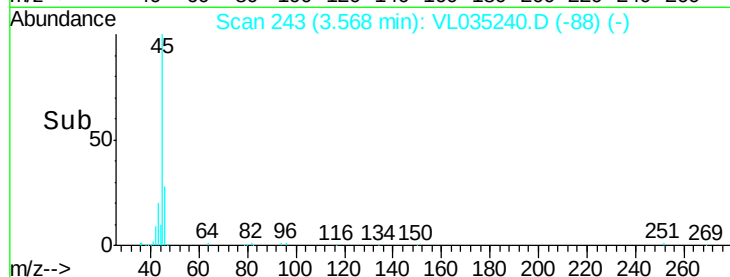
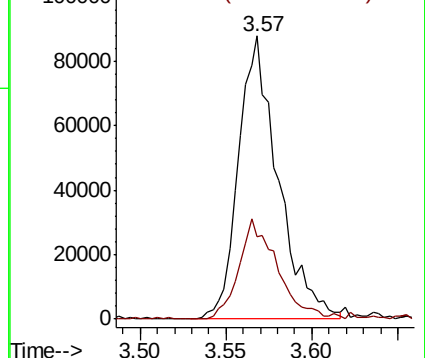
45 100

46 34.3 15.8 63.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.306 ppbv

RT: 3.70 min Scan# 285

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

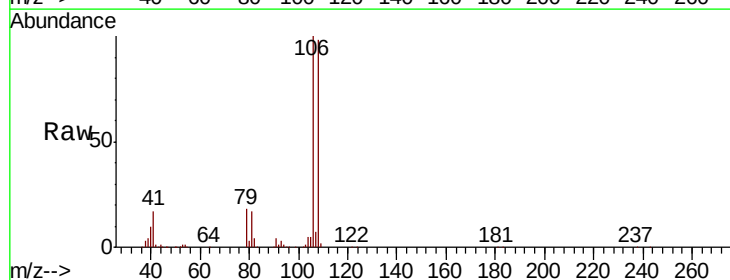
Tgt Ion: 108 Resp: 636795

Ion Ratio Lower Upper

108 100

106 107.3 85.0 127.6

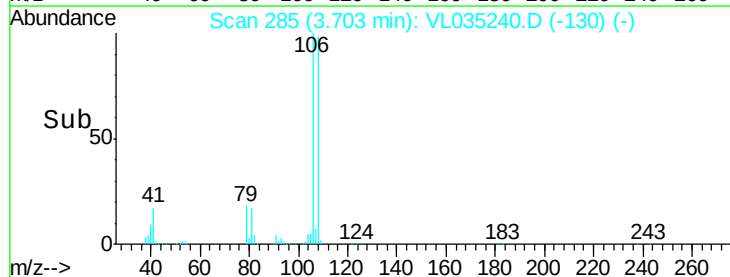
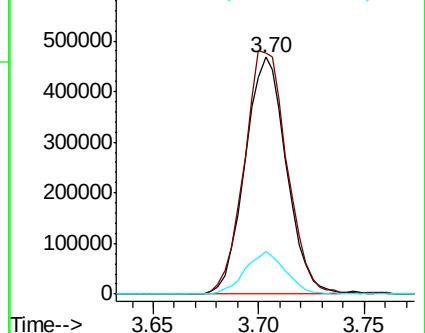
79 17.8 15.4 23.2

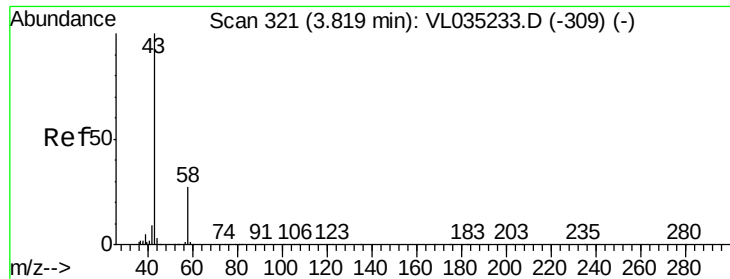


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

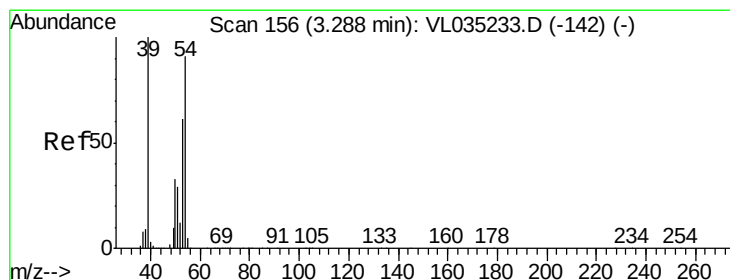
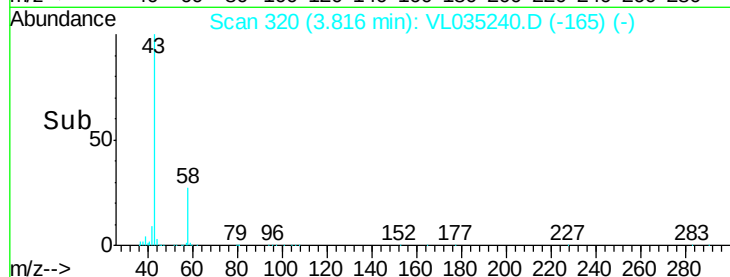
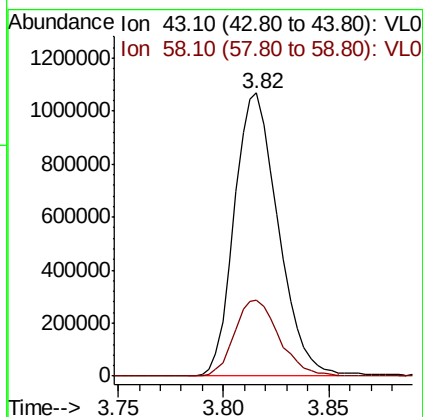
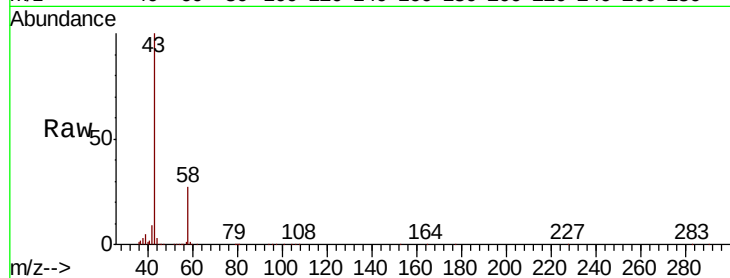




#15
Acetone
Concen: 7.840 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

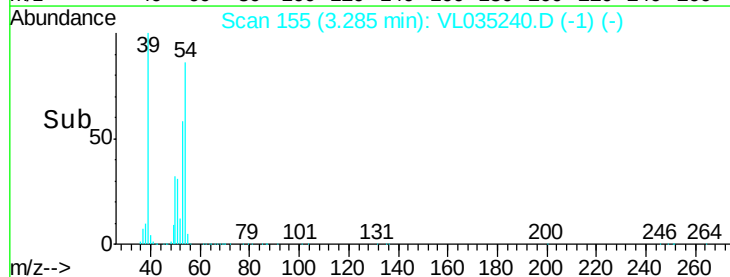
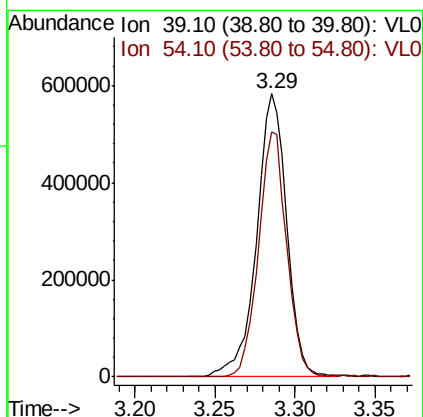
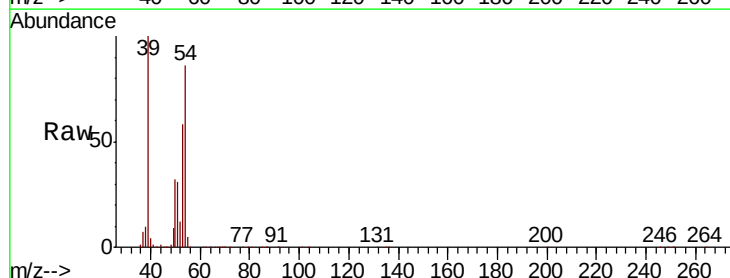
Instrument :
MSVOA_L
ClientSampleId :

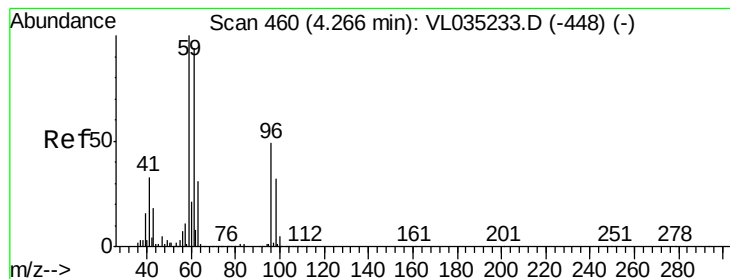
Tot Ion: 43 Resp: 1539060
Ion Ratio Lower Upper
43 100
58 27.6 21.8 32.6



#16
1,3-Butadiene
Concen: 9.858 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 39 Resp: 754877
Ion Ratio Lower Upper
39 100
54 81.5 68.2 102.2



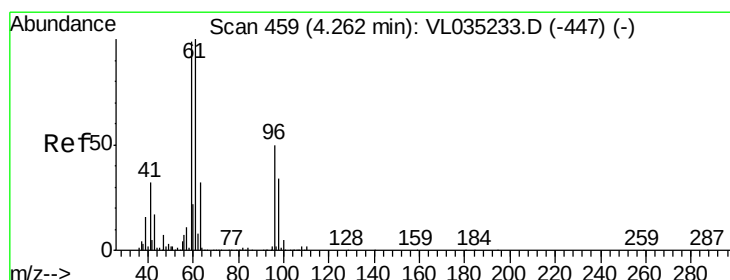
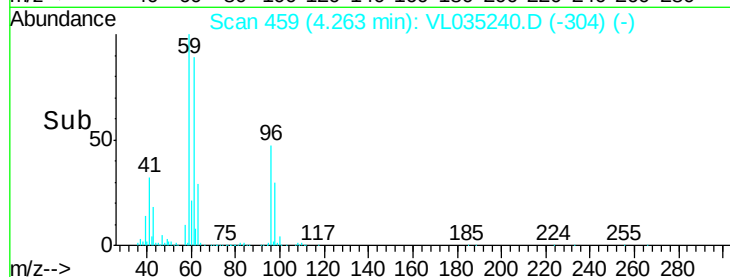
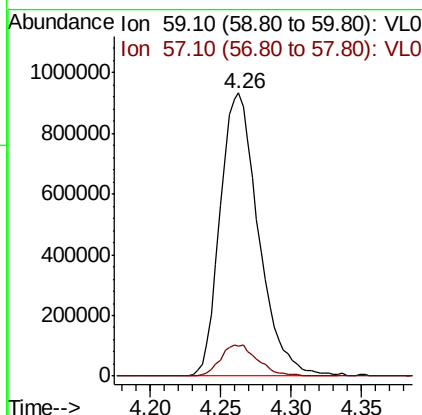
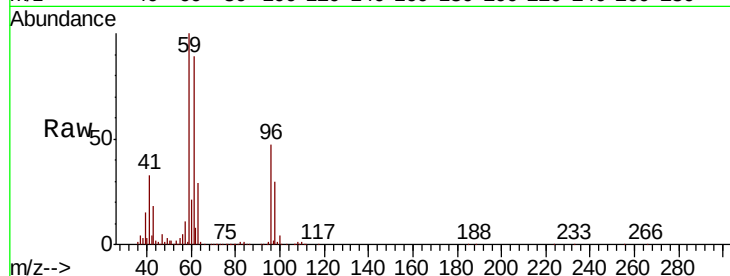


#17

tert-Butyl alcohol
Concen: 9.338 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Instrument :
MSVOA_L
ClientSampled :

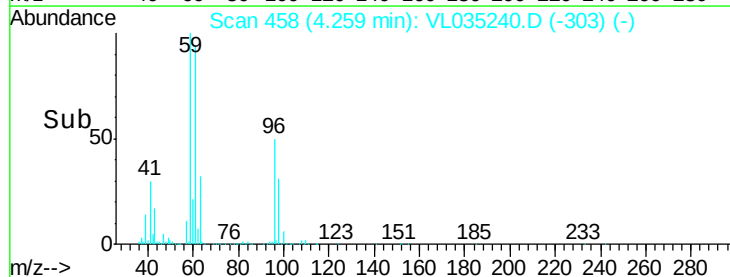
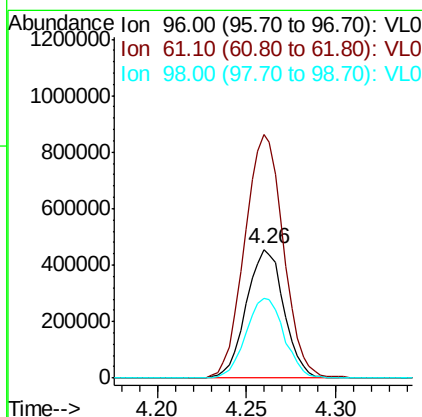
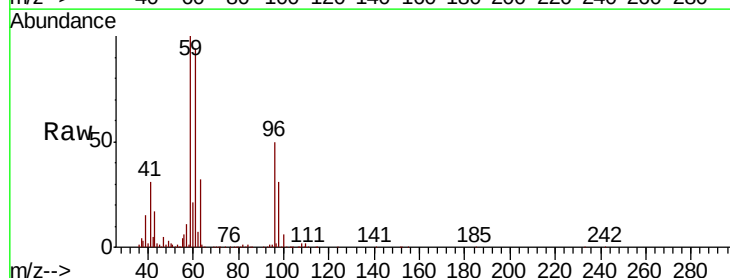
Tot Ion: 59 Resp: 1769270
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

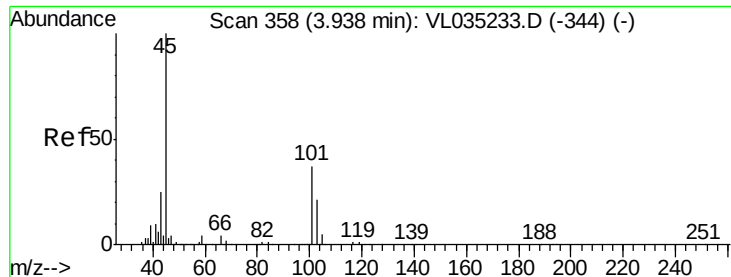


#18

1,1-Dichloroethene
Concen: 9.030 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 96 Resp: 672267
Ion Ratio Lower Upper
96 100
61 188.8 159.4 239.2
98 62.1 53.9 80.9





#19

Isopropyl Alcohol

Concen: 8.913 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

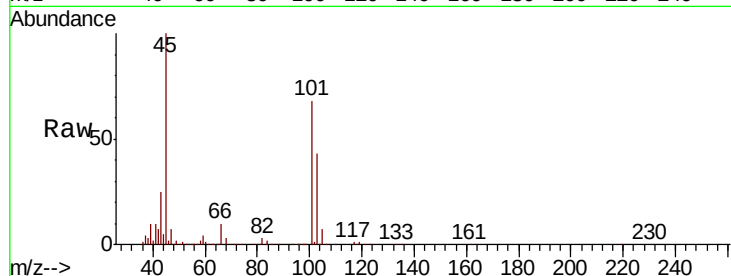
ClientSampleId :

Tot Ion: 45 Resp: 1153983

Ion Ratio Lower Upper

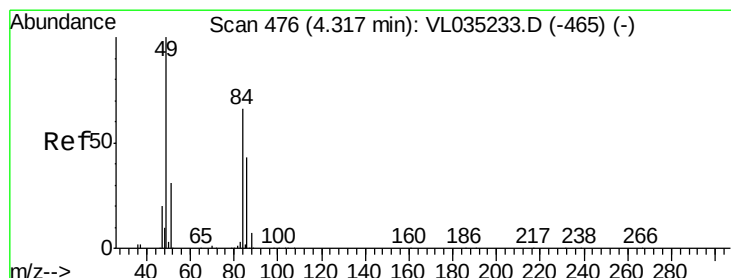
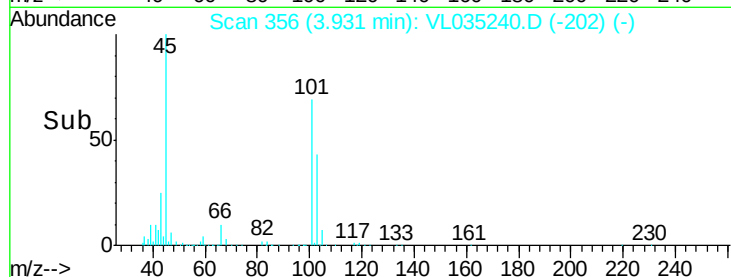
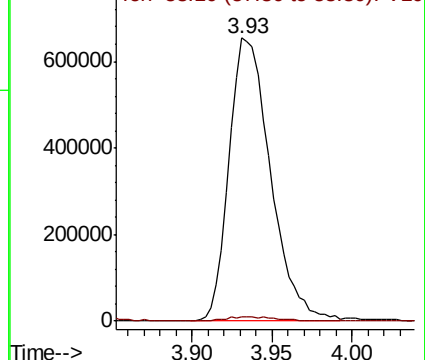
45 100

58 2.2 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.078 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Tgt Ion: 84 Resp: 632522

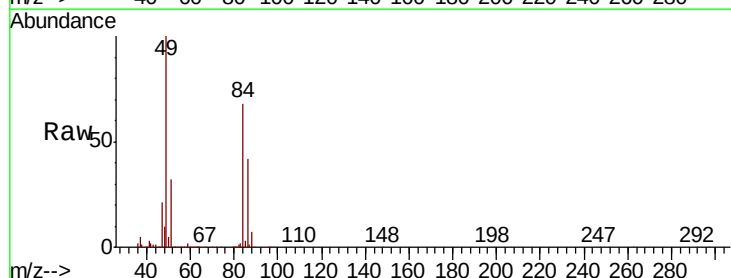
Ion Ratio Lower Upper

84 100

49 146.7 121.0 181.4

51 45.9 37.7 56.5

86 61.7 52.2 78.4

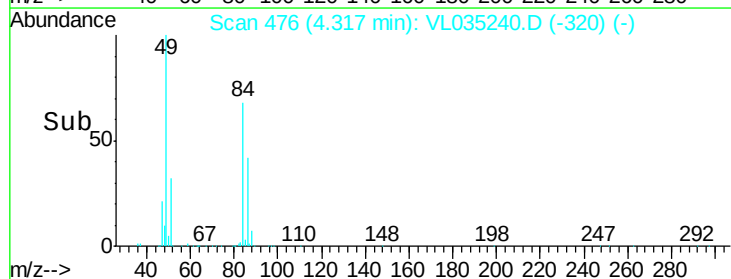
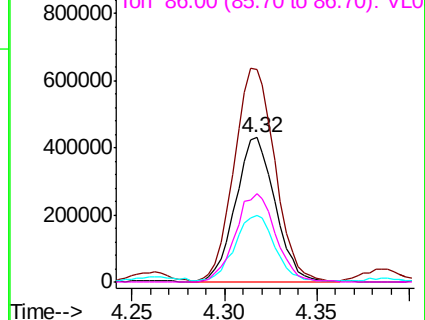


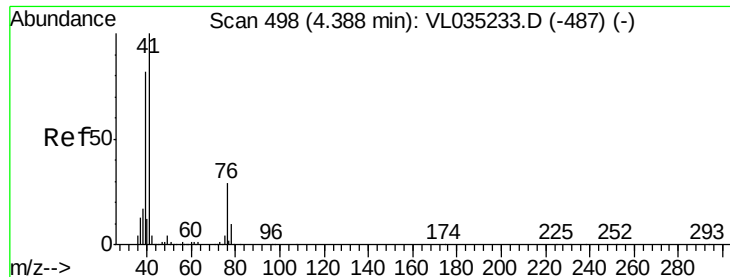
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

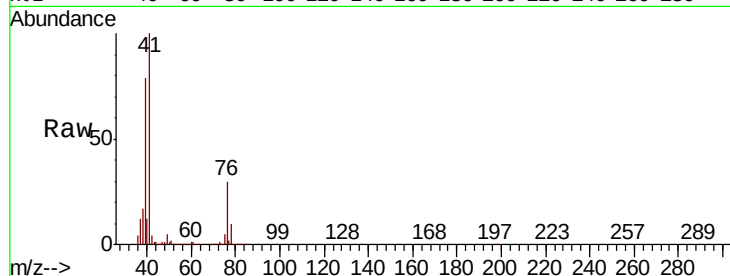




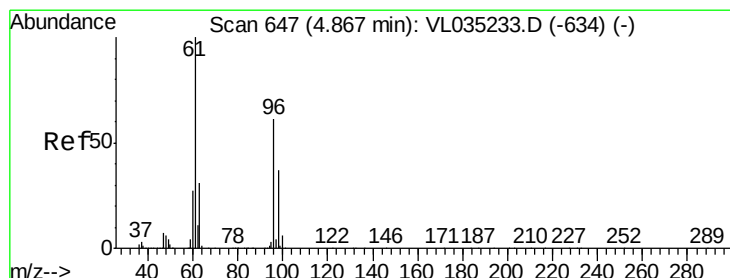
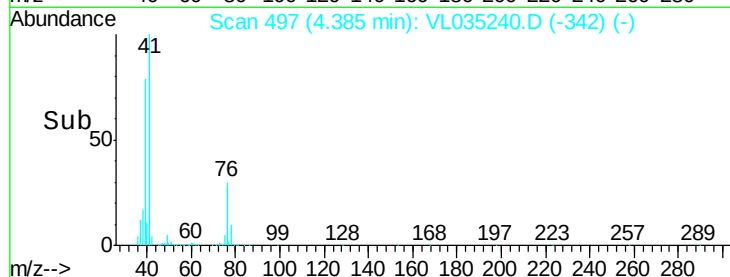
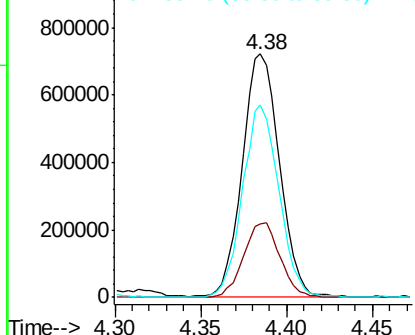
#21
Allvl Chloride
Concen: 9.615 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1074952
Ion Ratio Lower Upper
41 100
76 30.3 24.4 36.6
39 78.1 63.8 95.8

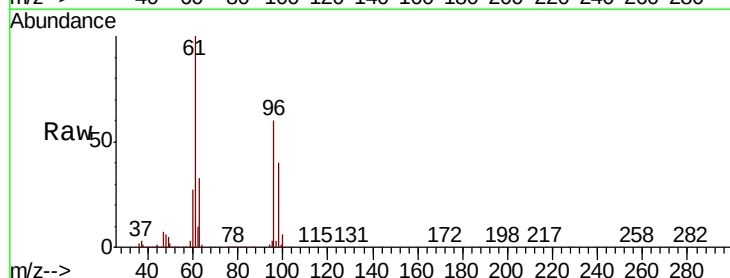


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

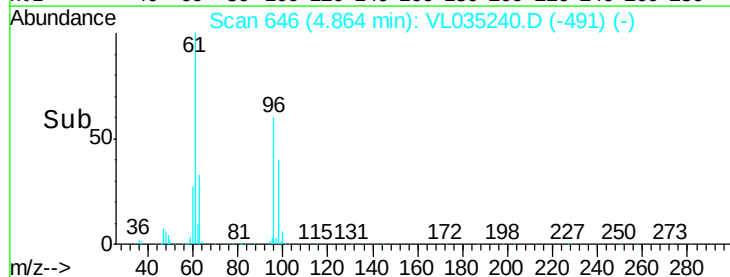
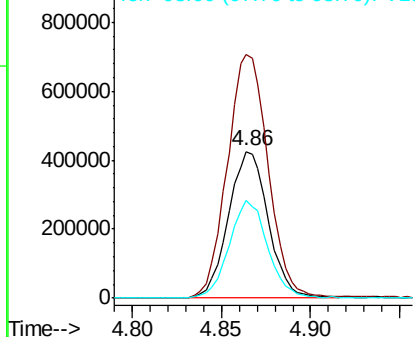


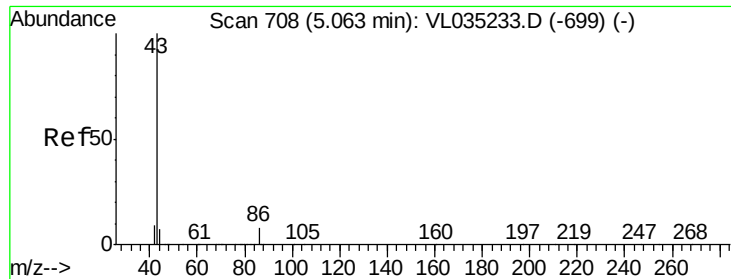
#22
trans-1,2-Dichloroethene
Concen: 9.233 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 96 Resp: 660501
Ion Ratio Lower Upper
96 100
61 165.8 131.6 197.4
98 66.2 49.0 73.4



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



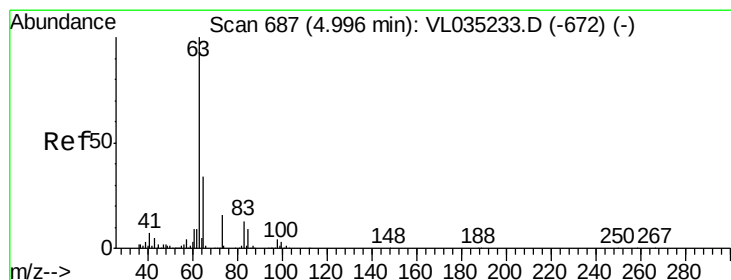
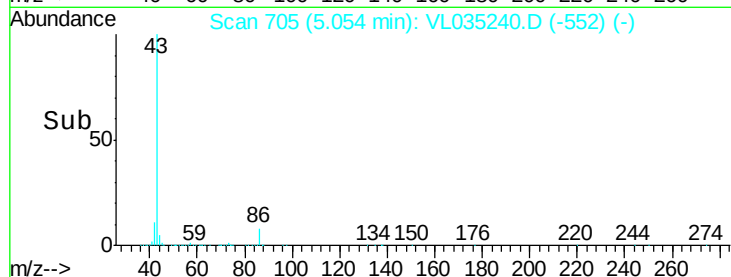
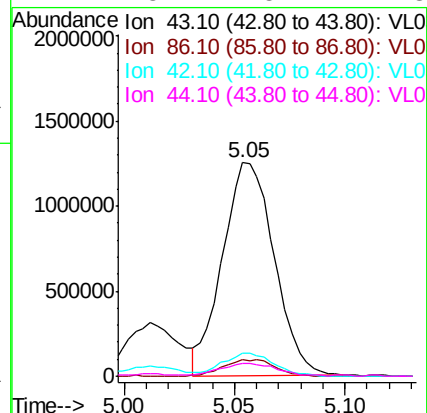
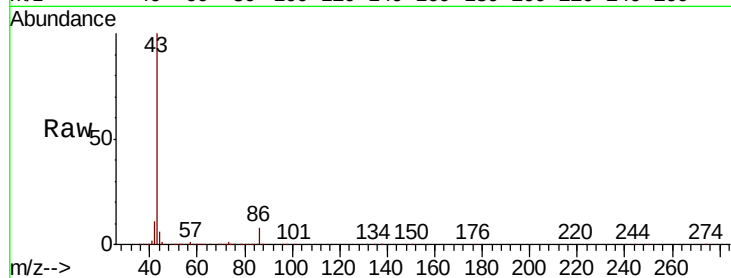


#23
 Vinyl Acetate
 Concen: 10.322 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2035969

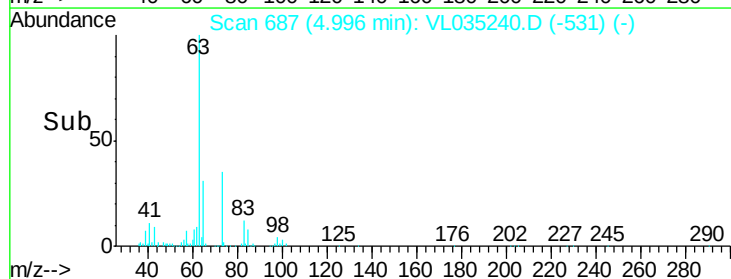
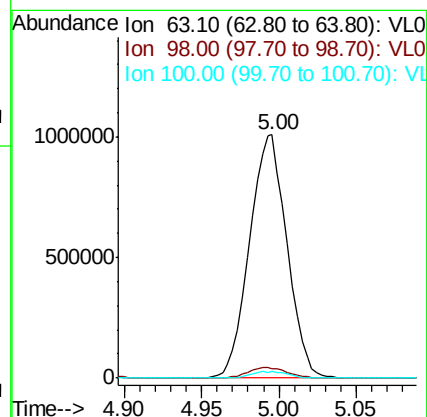
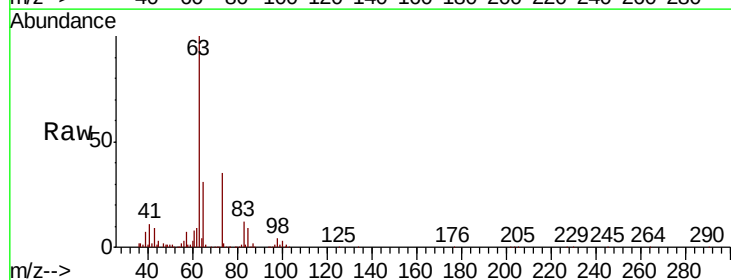
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.9	8.0	12.0
44	5.4	5.2	7.8

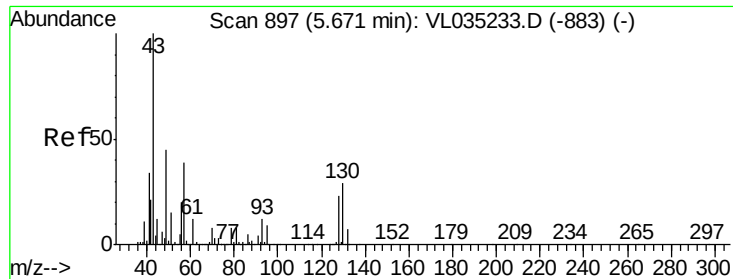


#24
 1,1-Dichloroethane
 Concen: 9.205 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Tgt Ion: 63 Resp: 1693269

Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.9	5.7
100	2.9	1.4	4.2



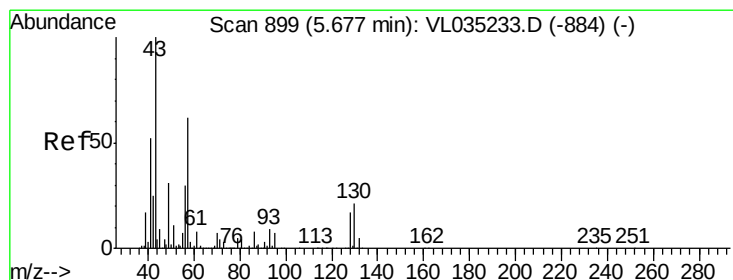
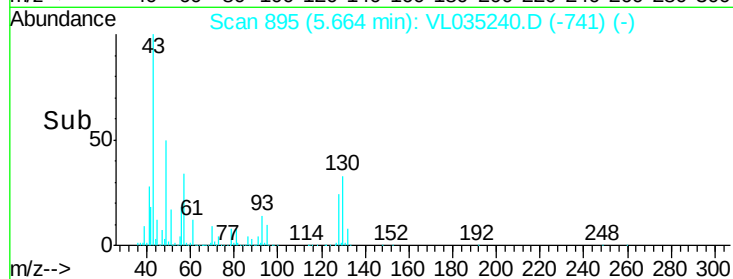
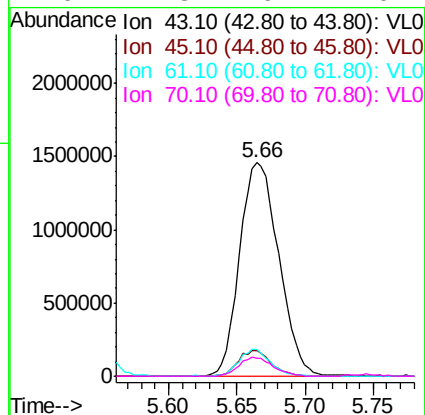
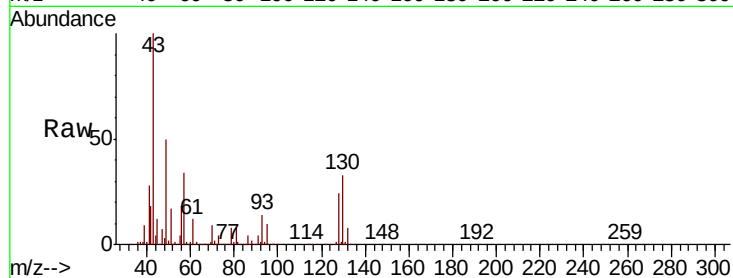


#25
Ethyl Acetate
Concen: 9.483 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2907079

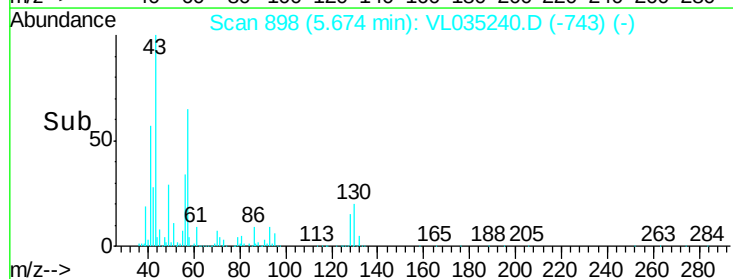
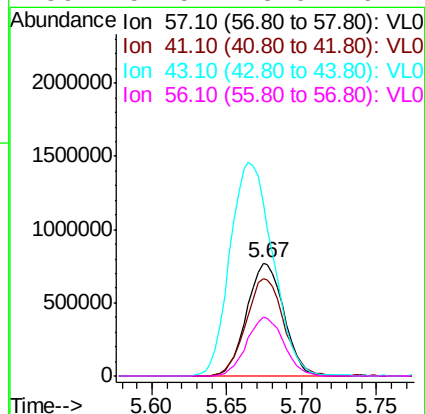
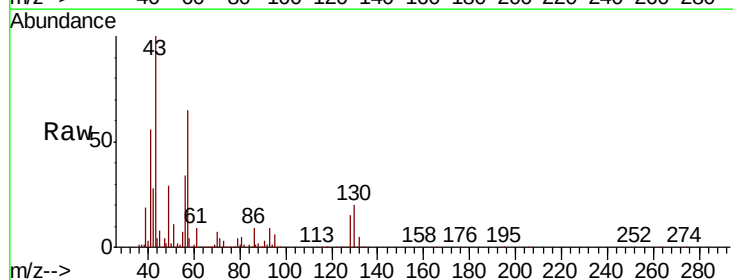
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	10.4	8.1	12.1
70	7.8	6.2	9.4

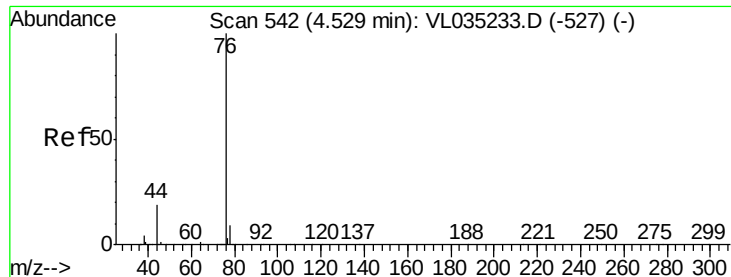


#26
Hexane
Concen: 9.577 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 57 Resp: 1324482

Ion	Ratio	Lower	Upper
57	100		
41	90.3	73.9	110.9
43	219.9	177.6	266.4
56	52.5	43.0	64.4





#27

Carbon Disulfide

Concen: 9.372 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

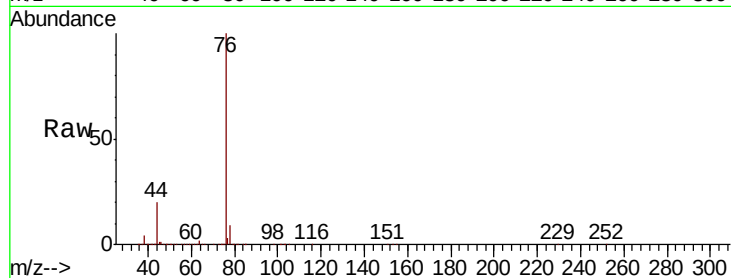
Tot Ion: 76 Resp: 1751150

Ion	Ratio	Lower	Upper
76	100		
44	18.9	14.7	22.1
78	9.5	7.6	11.4

76 100

44 18.9 14.7 22.1

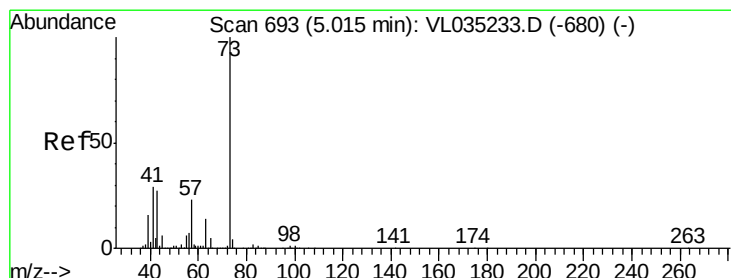
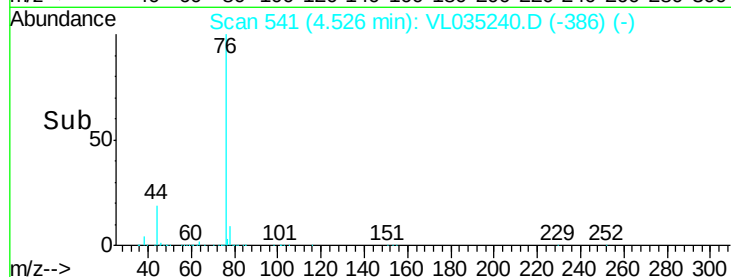
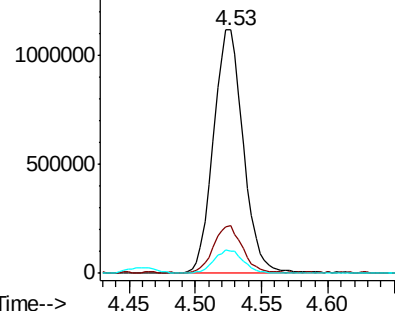
78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0

1500000 Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.319 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL035240.D

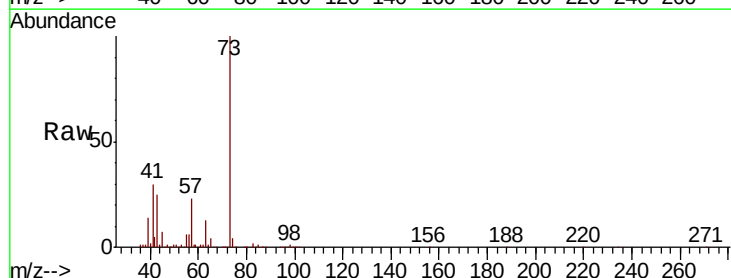
Acq: 29 Jul 2020 9:14

Tgt Ion: 73 Resp: 2040119

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4

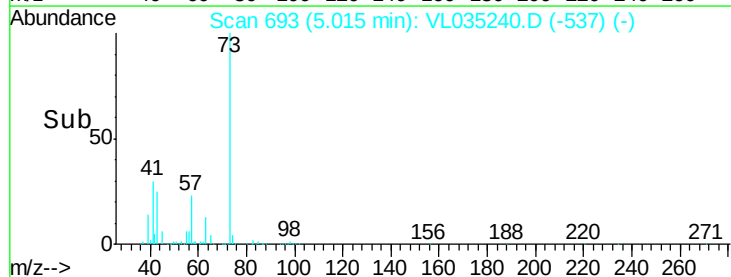
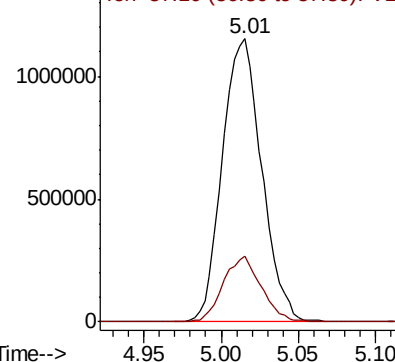
73 100

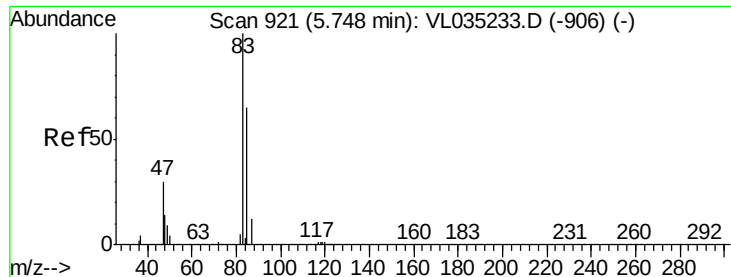
57 22.6 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

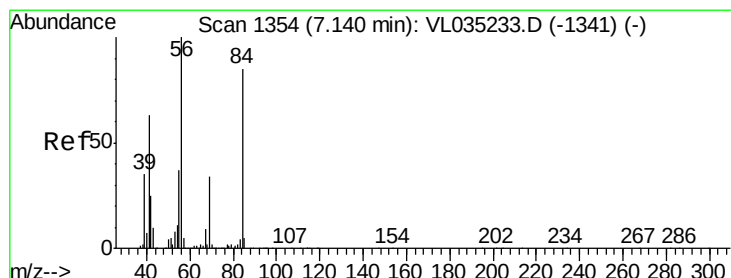
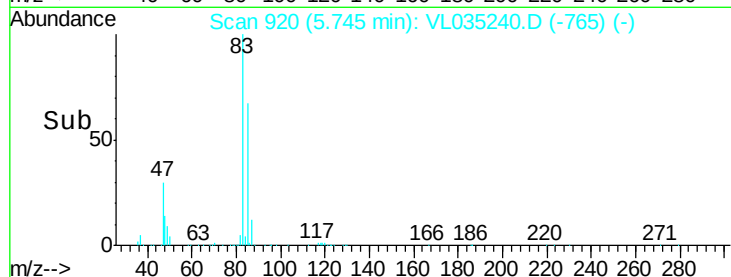
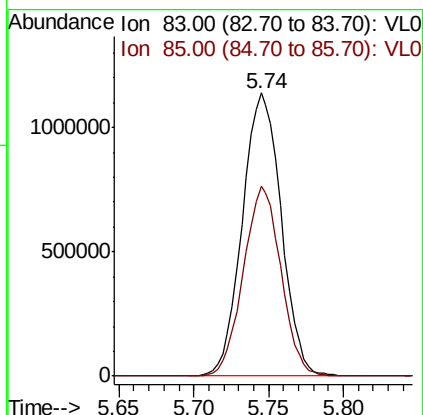
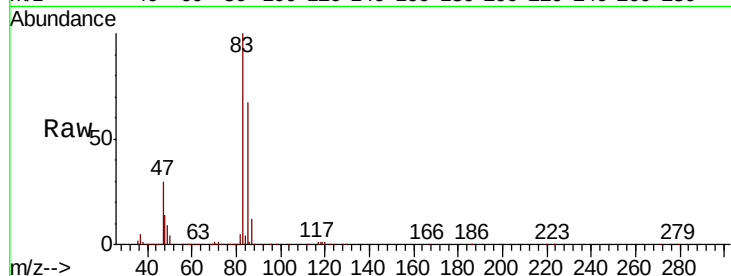




#29
Chloroform
Concen: 8.875 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

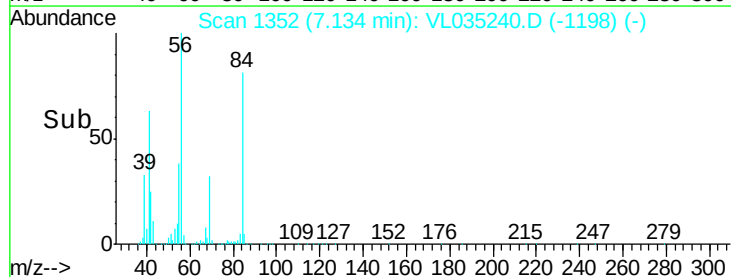
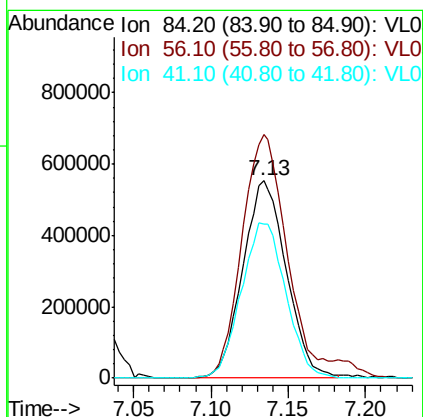
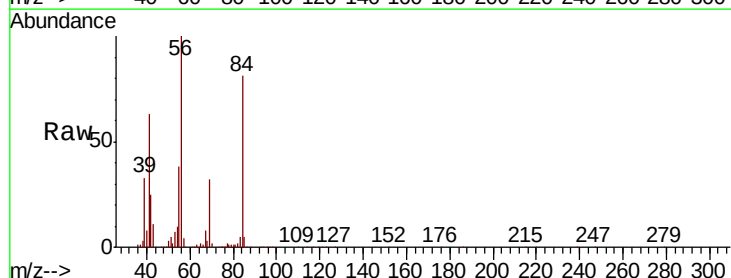
Instrument :
MSVOA_L
ClientSampleId :

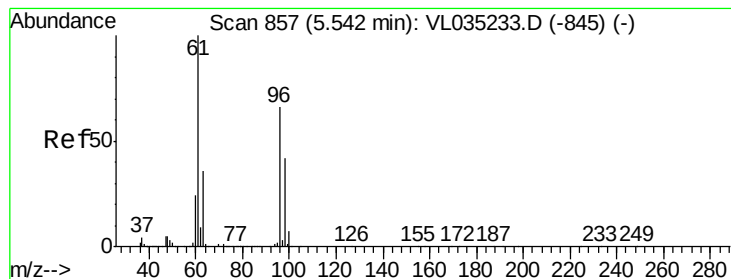
Tot Ion: 83 Resp: 2058584
Ion Ratio Lower Upper
83 100
85 67.1 51.7 77.5



#30
Cyclohexane
Concen: 10.964 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 84 Resp: 1083796
Ion Ratio Lower Upper
84 100
56 132.6 104.2 156.2
41 80.5 63.7 95.5





#31

cis-1,2-Dichloroethene

Concen: 10.538 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

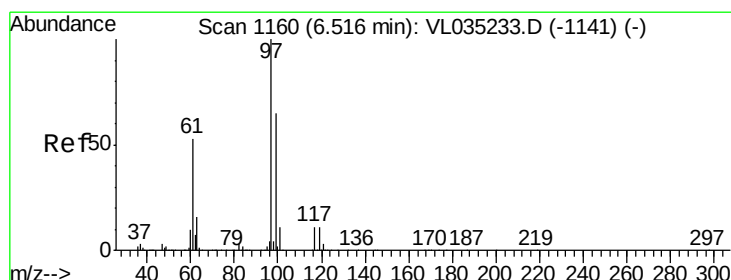
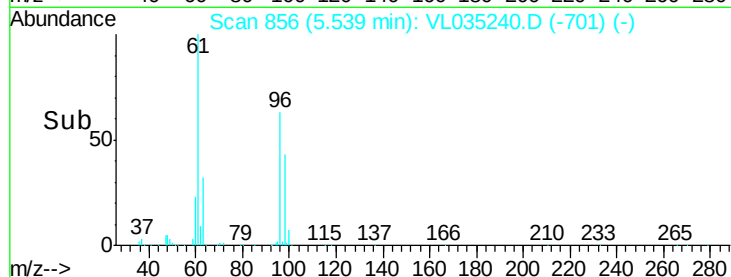
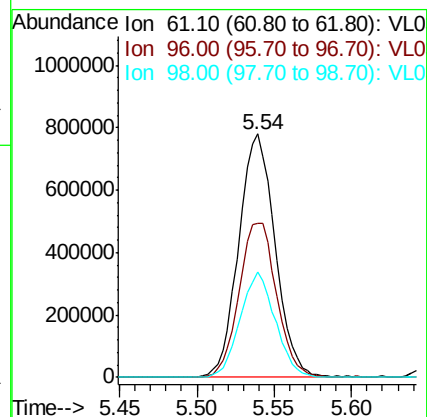
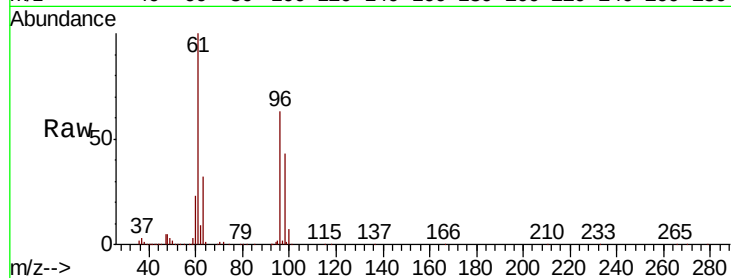
Tot Ion: 61 Resp: 1270381

Ion Ratio Lower Upper

61 100

96 63.2 52.6 78.8

98 43.2 33.7 50.5



#32

1,1,1-Trichloroethane

Concen: 8.650 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

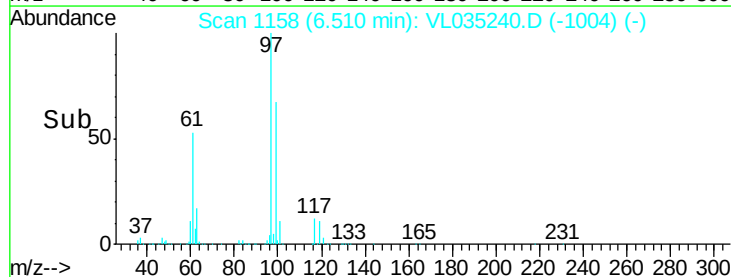
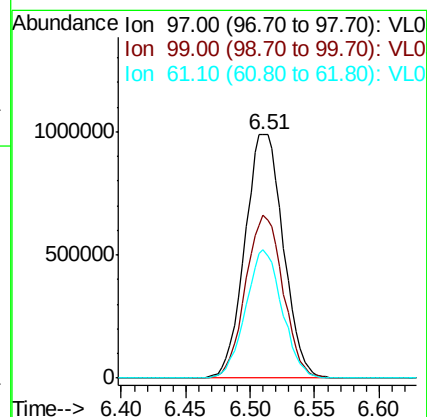
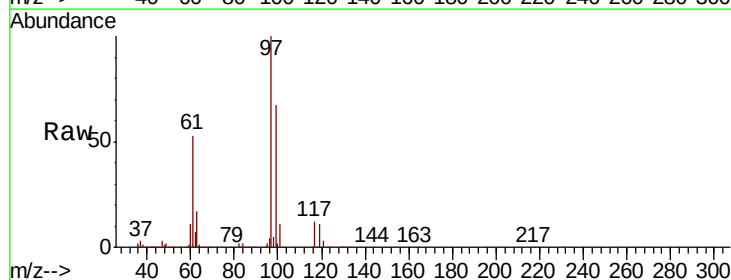
Tgt Ion: 97 Resp: 2053585

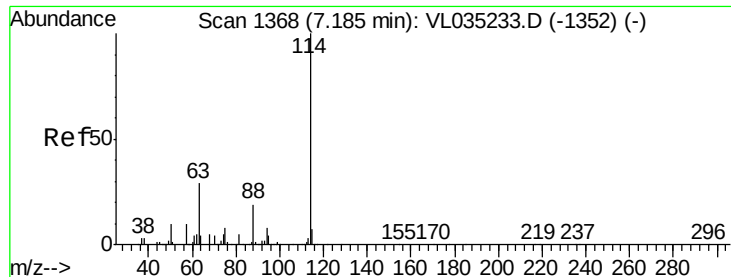
Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.0

61 49.9 40.4 60.6



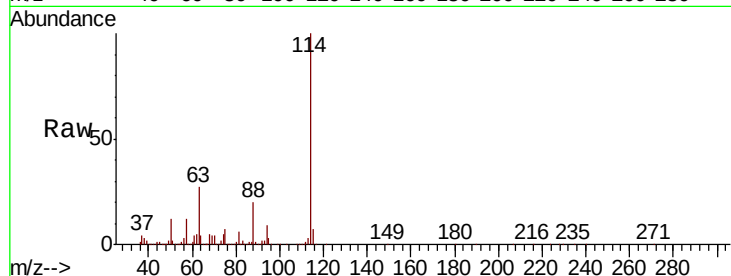


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

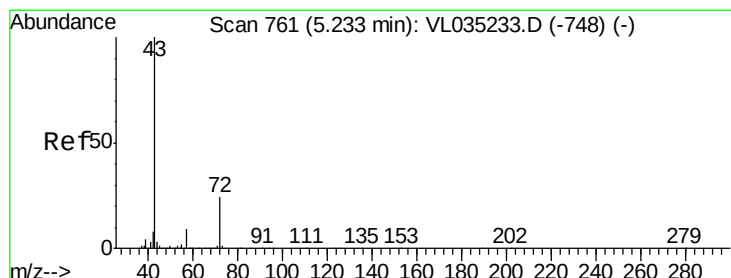
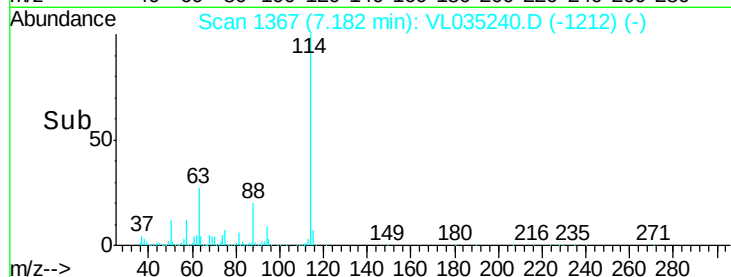
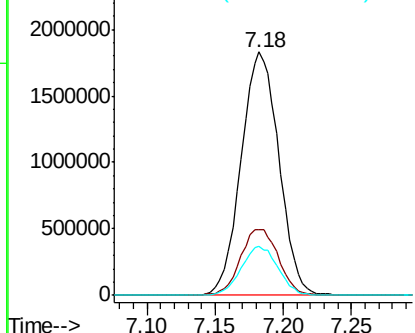
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3518186

Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.2	33.2
88	19.6	15.4	23.0



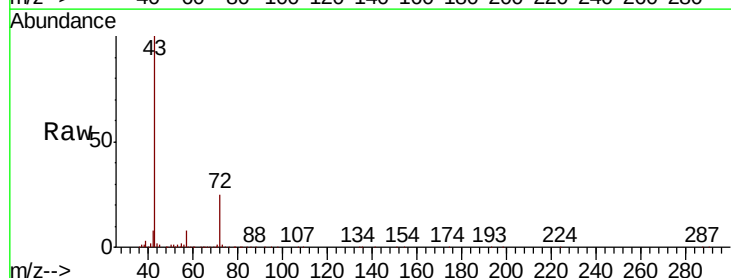
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



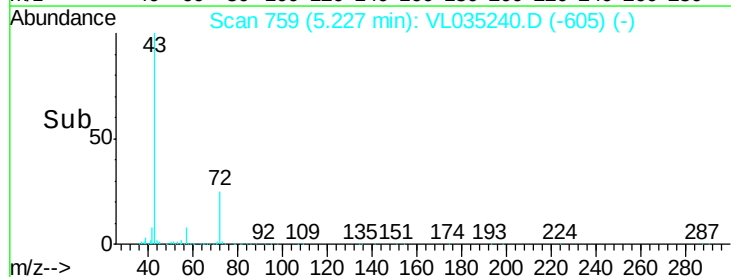
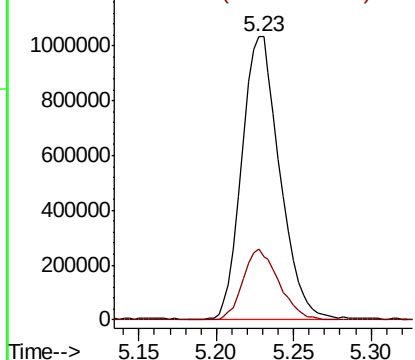
#34
 2-Butanone
 Concen: 9.863 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

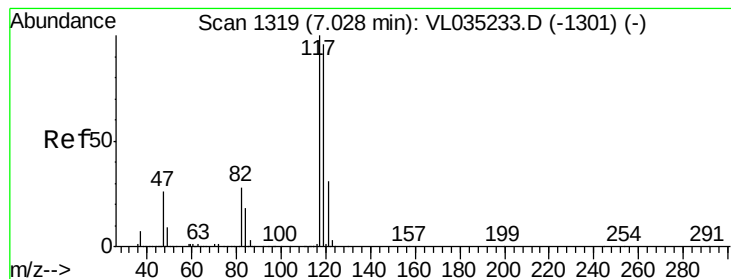
Tgt Ion: 43 Resp: 1765536

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.2	28.8



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





#35

Carbon Tetrachloride

Concen: 8.929 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

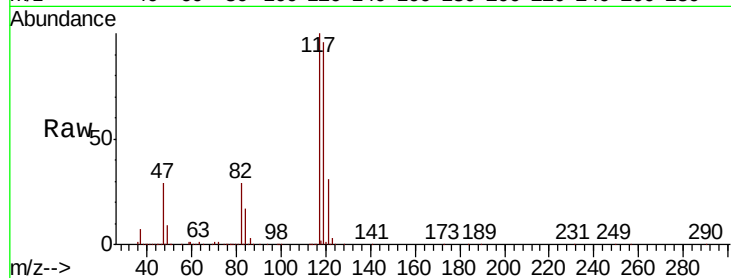
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:117 Resp: 2103442

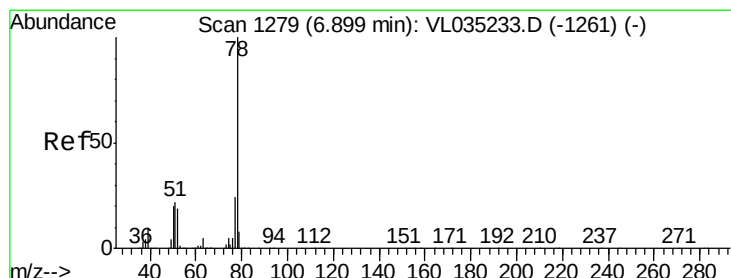
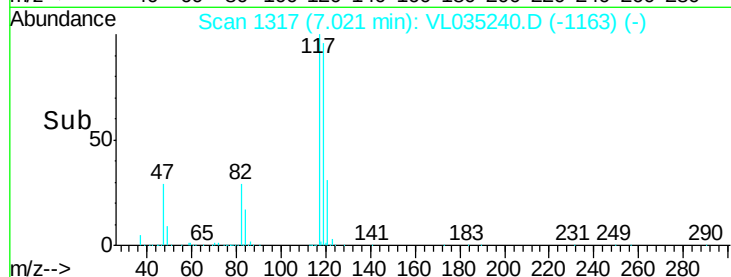
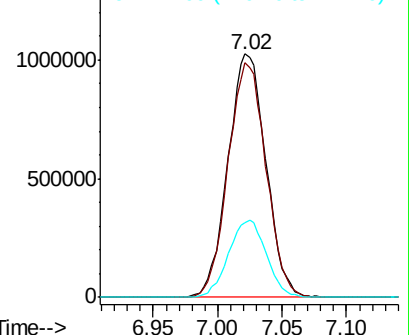
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.8	115.2
121	30.9	24.5	36.7



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: 10.371 ppbv

RT: 6.90 min Scan# 1278

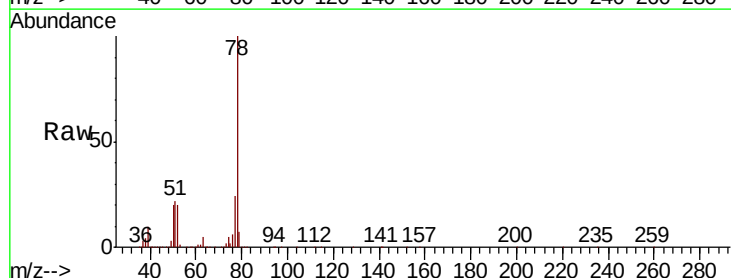
Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Tgt Ion: 78 Resp: 2535793

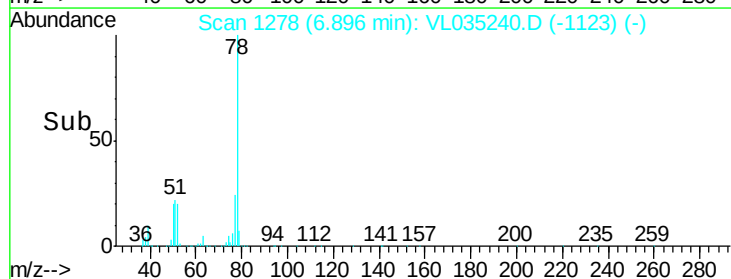
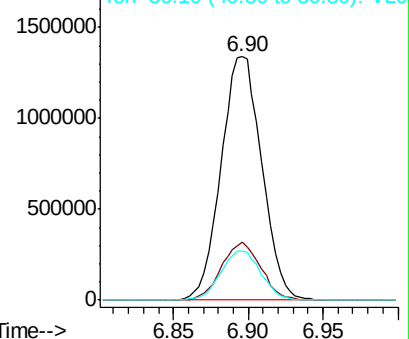
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3
50	20.1	16.1	24.1

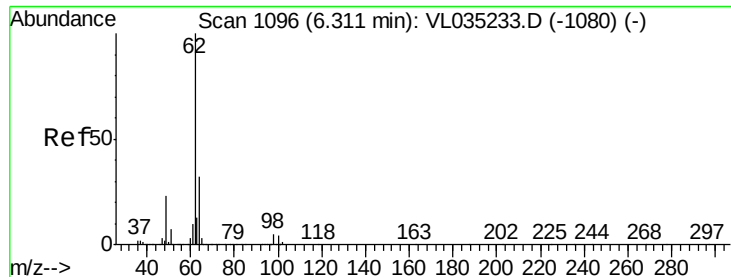


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

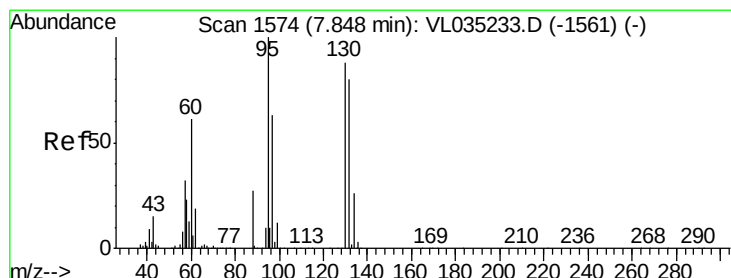
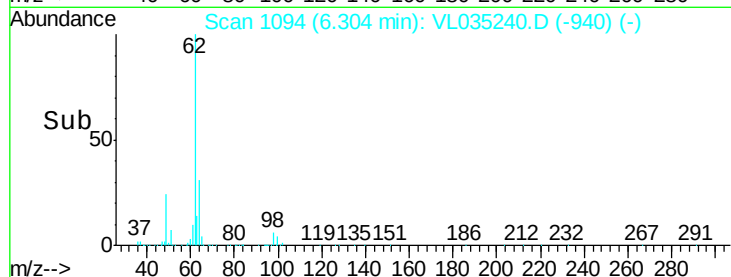
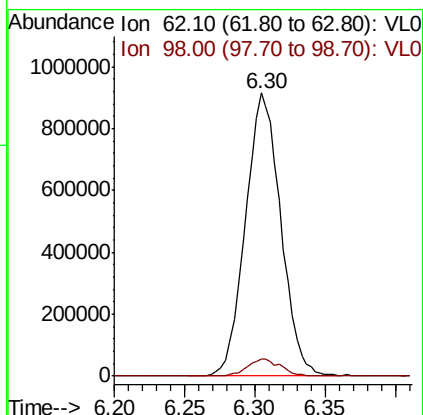
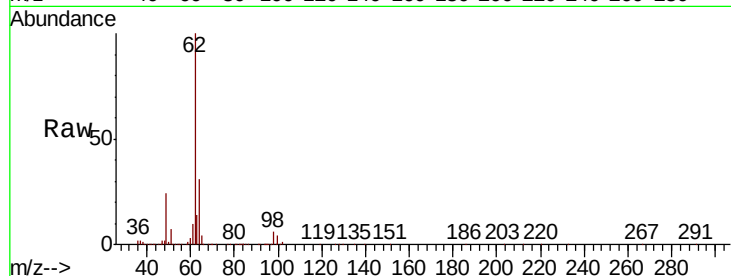




#37
 1,2-Dichloroethane
 Concen: 9.387 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

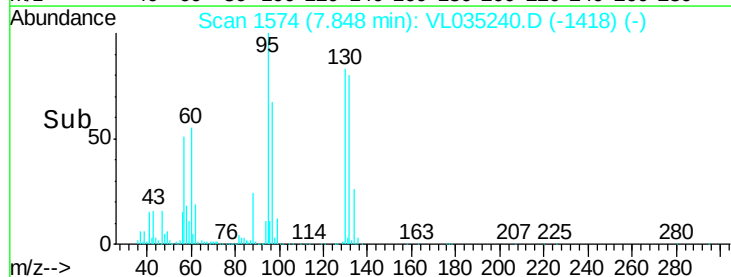
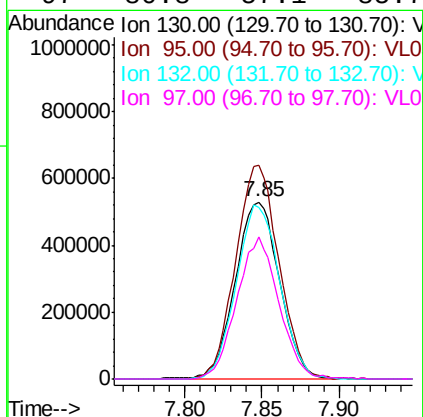
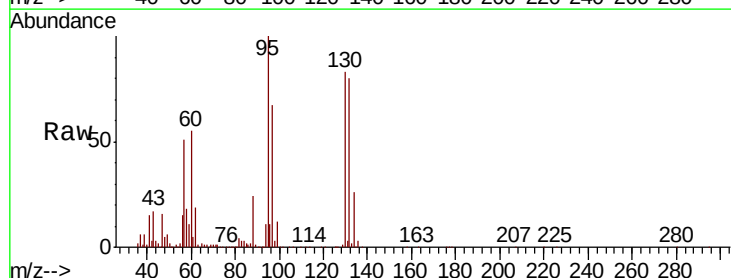
Instrument :
 MSVOA_L
 ClientSampleId :

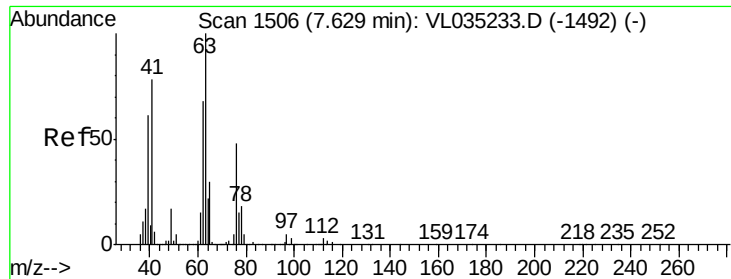
Tot Ion: 62 Resp: 1604511
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7



#38
 Trichloroethene
 Concen: 10.270 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Tgt Ion: 130 Resp: 1040755
 Ion Ratio Lower Upper
 130 100
 95 120.9 90.7 136.1
 132 96.9 72.9 109.3
 97 80.8 57.1 85.7





#39

1,2-Dichloropropane

Concen: 10.197 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

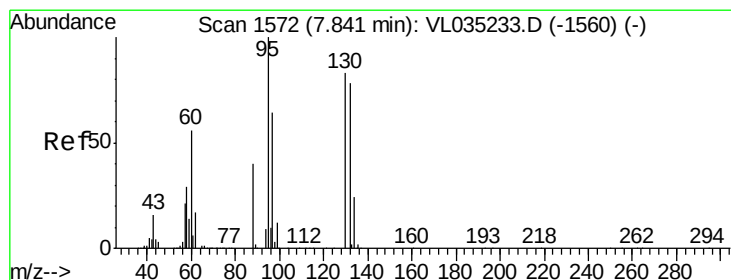
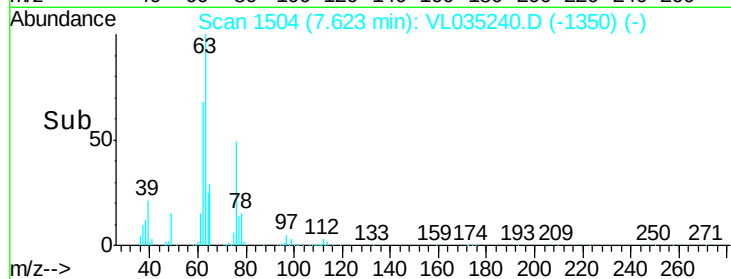
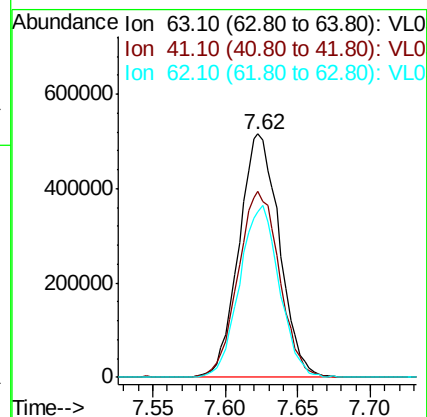
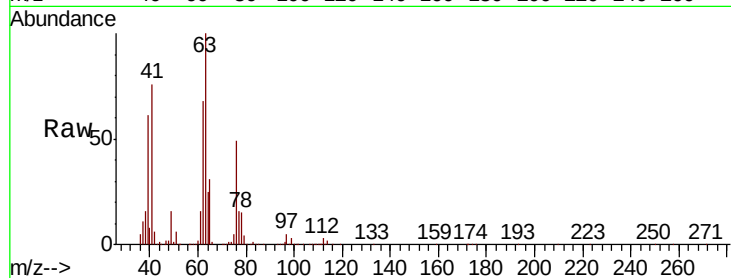
Tot Ion: 63 Resp: 994776

Ion Ratio Lower Upper

63 100

41 76.1 62.2 93.4

62 67.8 54.2 81.2



#40

1,4-Dioxane

Concen: 10.230 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Tgt Ion: 88 Resp: 392994

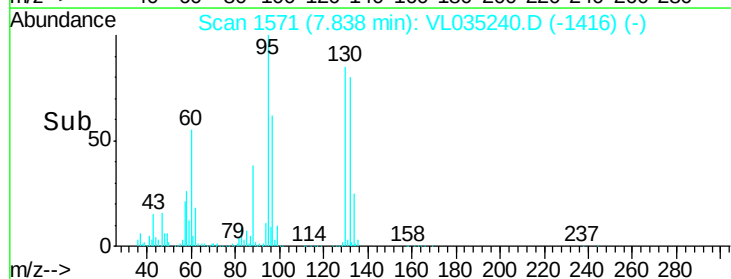
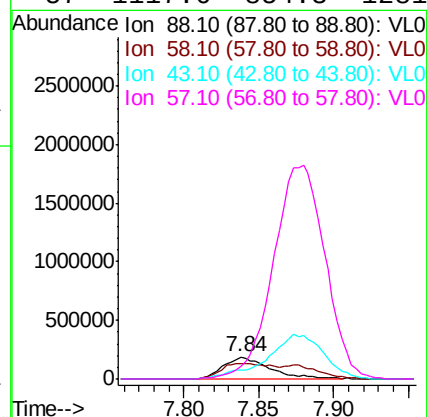
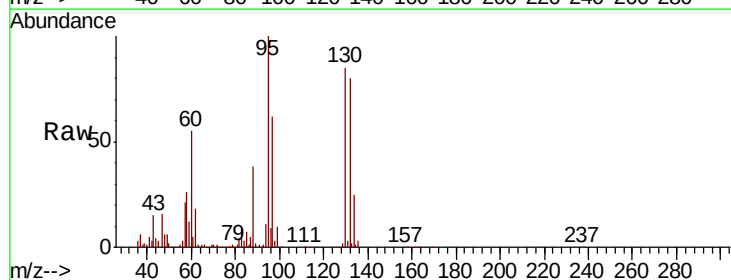
Ion Ratio Lower Upper

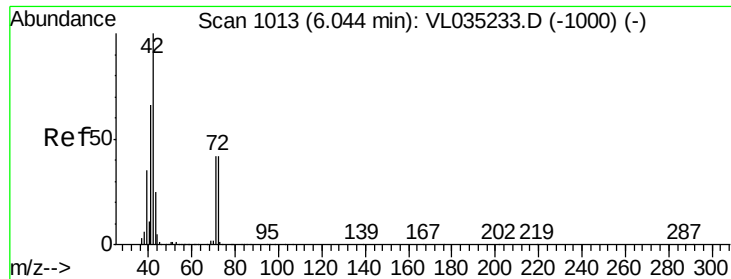
88 100

58 132.3 99.3 148.9

43 255.5 195.6 293.4

57 1117.6 854.3 1281.5

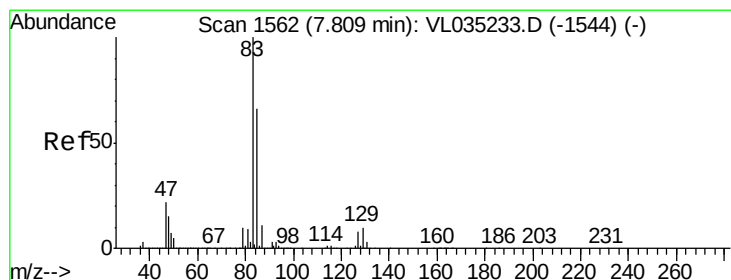
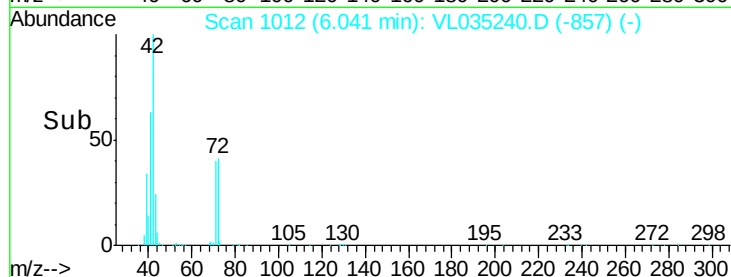
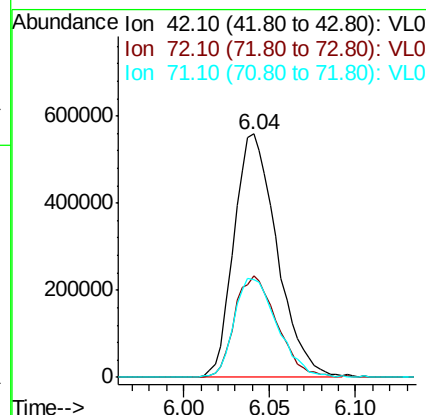
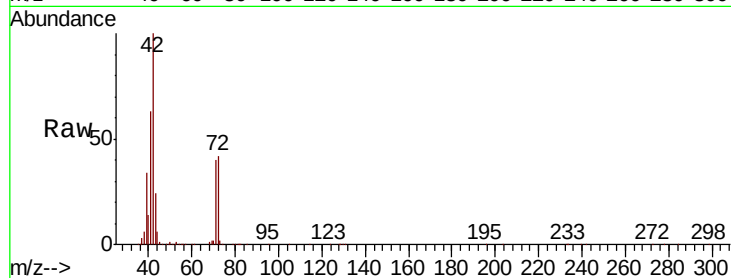




#41
Tetrahydrofuran
Concen: 11.107 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

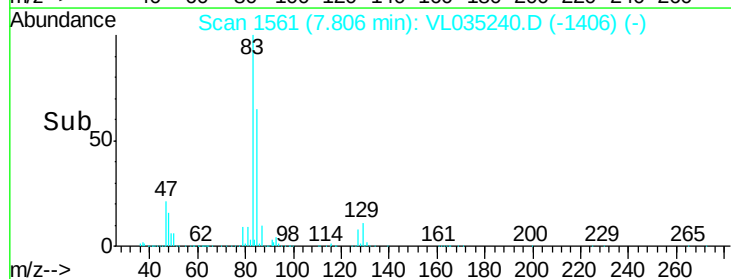
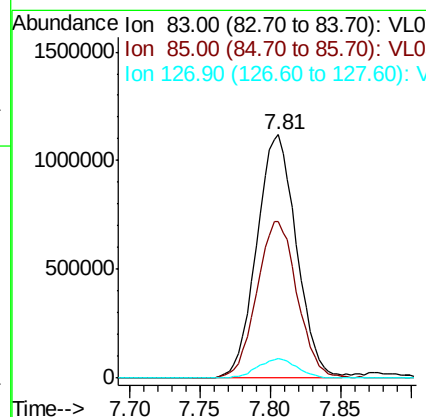
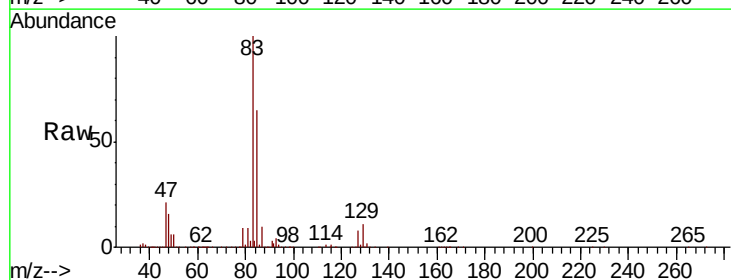
Instrument :
MSVOA_L
ClientSampleId :

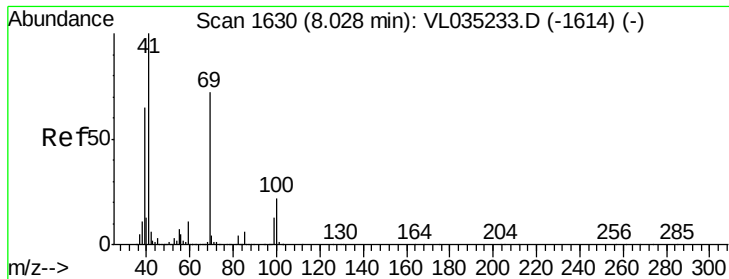
Tot Ion: 42 Resp: 974456
Ion Ratio Lower Upper
42 100
72 41.8 34.2 51.2
71 41.0 33.2 49.8



#42
Bromodichloromethane
Concen: 9.669 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 83 Resp: 2205914
Ion Ratio Lower Upper
83 100
85 64.5 52.9 79.3
127 7.9 6.5 9.7





#43

Methyl Methacrylate

Concen: 10.929 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. -0.01 min

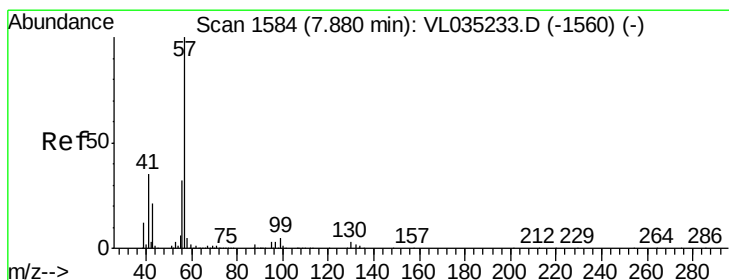
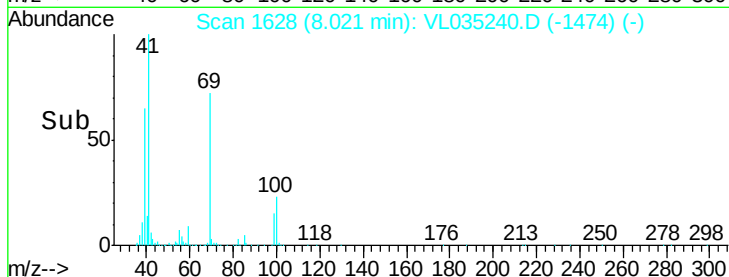
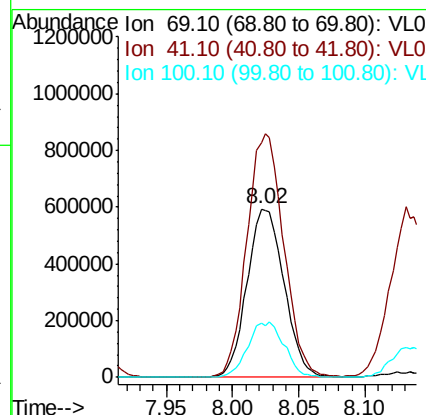
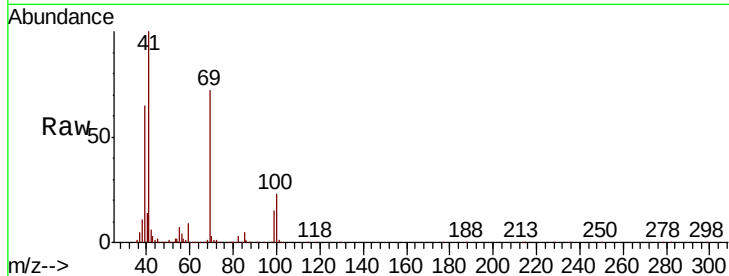
Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1157830

Ion	Ratio	Lower	Upper
69	100		
41	143.5	113.0	169.4
100	32.3	25.3	37.9



#44

2,2,4-Trimethylpentane

Concen: 10.163 ppbv

RT: 7.88 min Scan# 1584

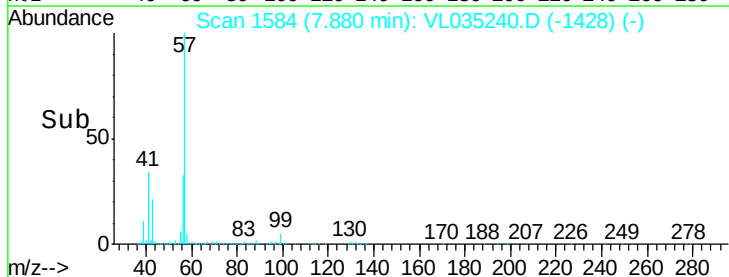
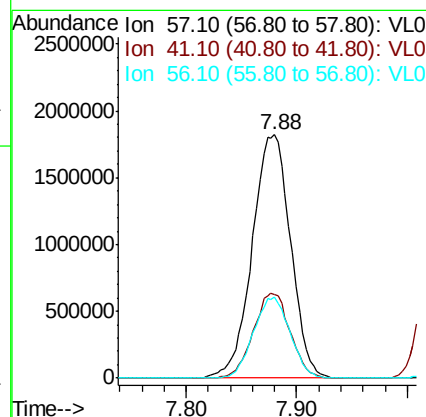
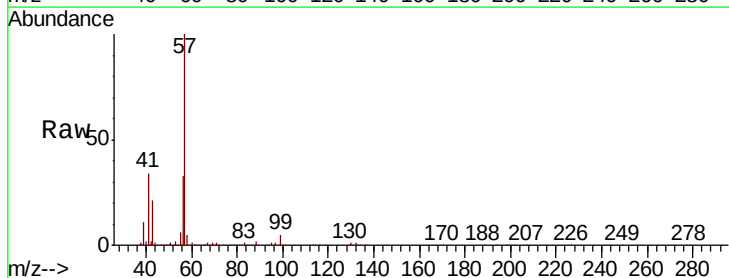
Delta R.T. 0.00 min

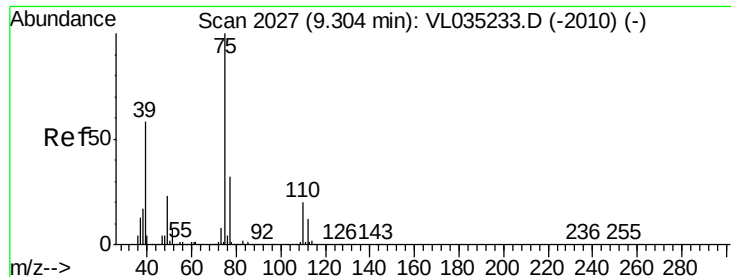
Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Tgt Ion: 57 Resp: 4378173

Ion	Ratio	Lower	Upper
57	100		
41	33.6	27.0	40.4
56	31.9	25.6	38.4

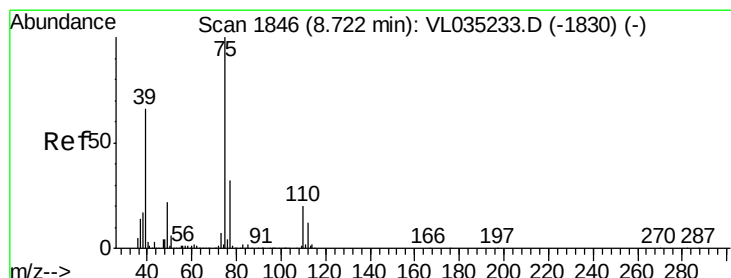
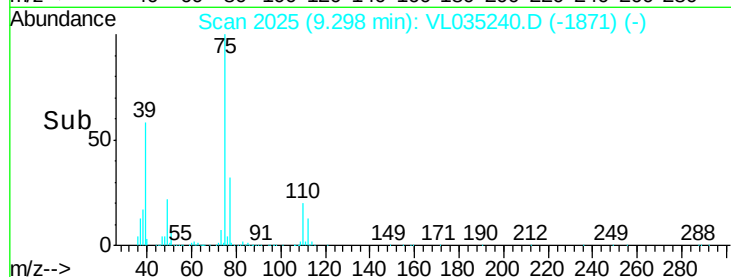
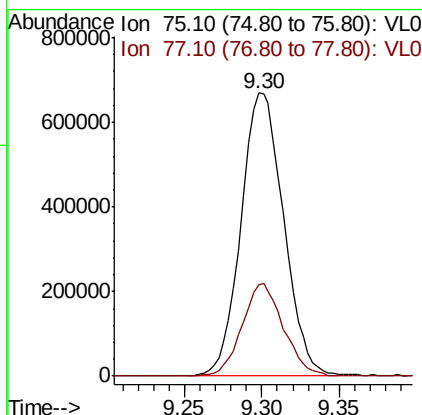
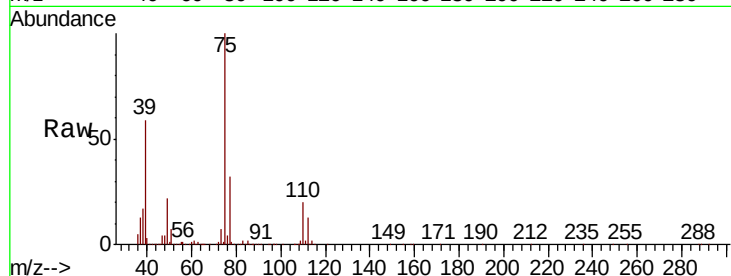




#45
t-1,3-Dichloropropene
Concen: 12.021 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.01 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

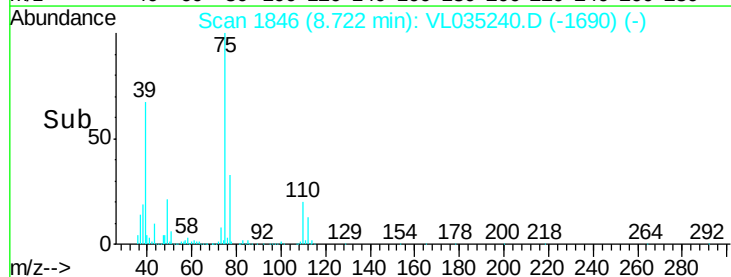
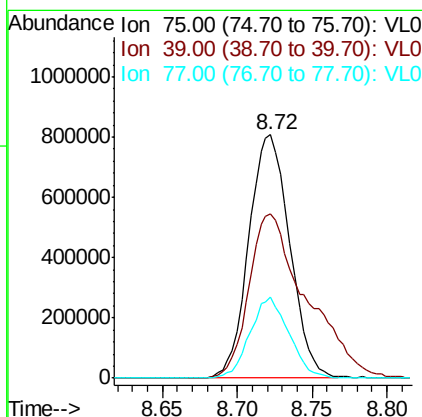
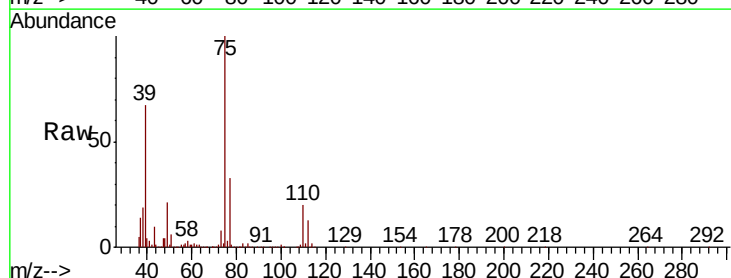
Instrument :
MSVOA_L
ClientSampleId :

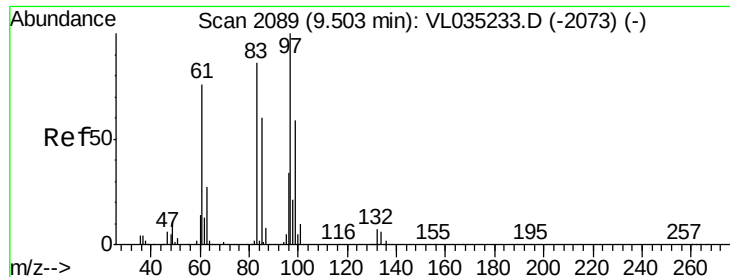
Tot Ion: 75 Resp: 1283145
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4



#46
cis-1,3-Dichloropropene
Concen: 11.831 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 75 Resp: 1538471
Ion Ratio Lower Upper
75 100
39 67.3 53.0 79.4
77 33.1 25.8 38.8



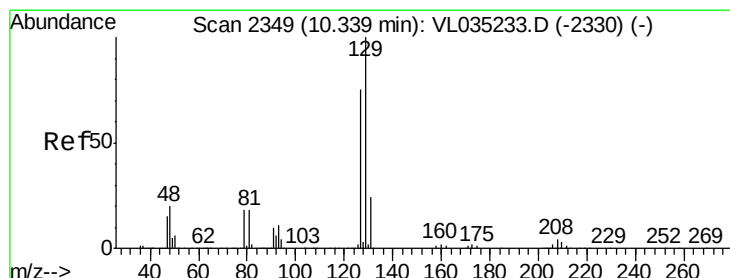
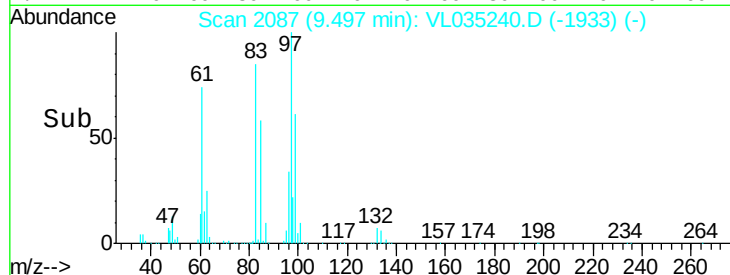
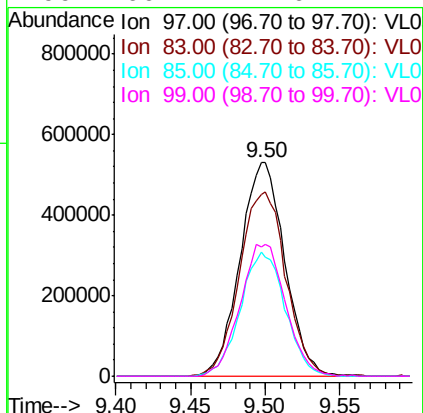
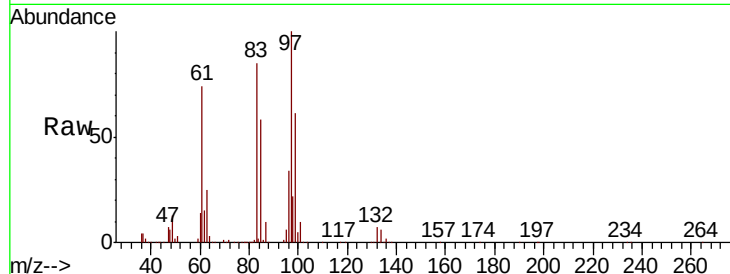


#47
 1,1,2-Trichloroethane
 Concen: 9.521 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1097188

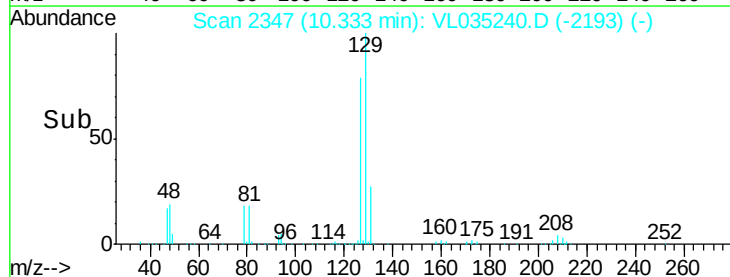
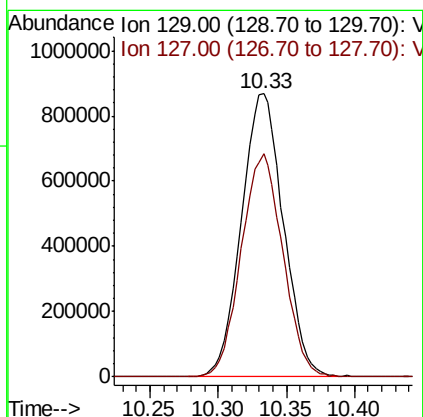
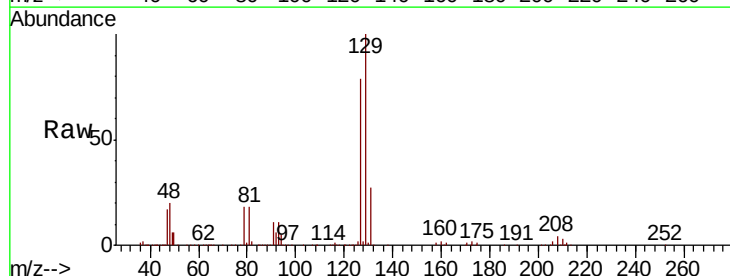
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.0	103.4
85	57.9	47.8	71.8
99	60.7	47.6	71.4

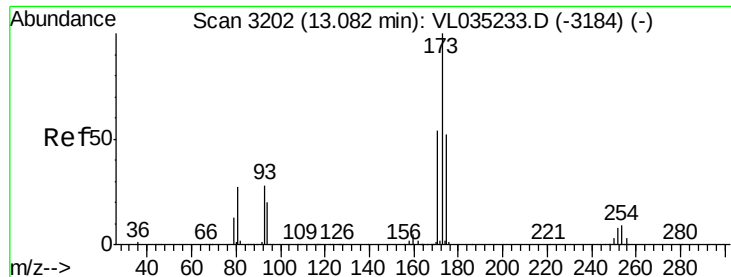


#48
 Dibromochloromethane
 Concen: 10.207 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. -0.01 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Tgt Ion: 129 Resp: 1852528

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.6	119.0





#49

Bromoform

Concen: 10.205 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampled :

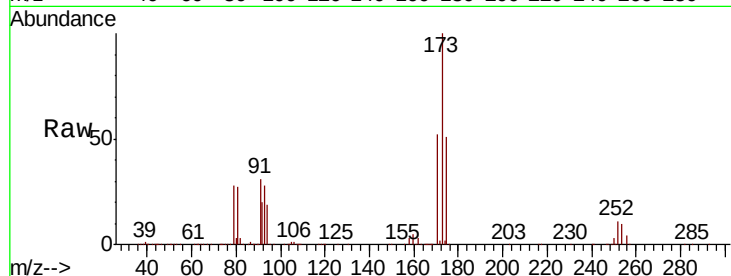
Tot Ion:173 Resp: 1665081

Ion Ratio Lower Upper

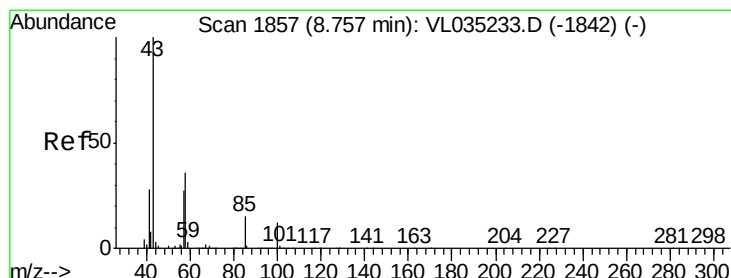
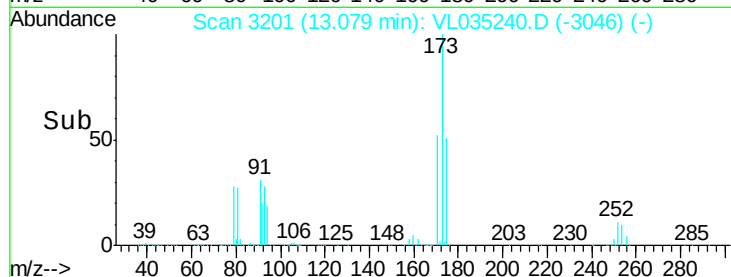
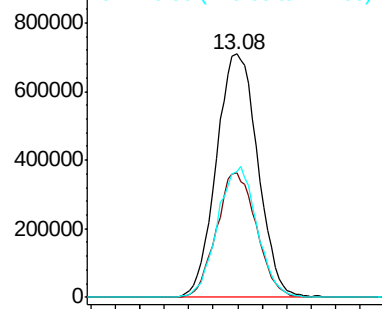
173 100

175 49.1 40.0 60.0

171 51.1 41.8 62.8



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: 10.550 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.01 min

Lab File: VL035240.D

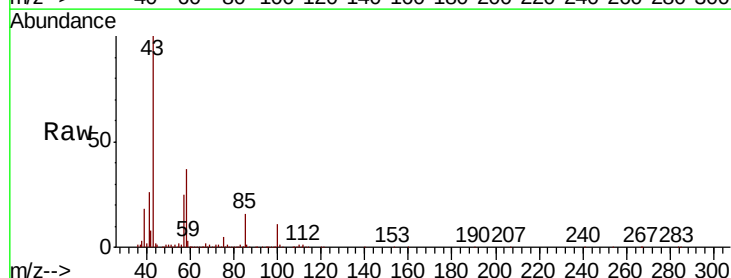
Acq: 29 Jul 2020 9:14

Tgt Ion: 43 Resp: 2736863

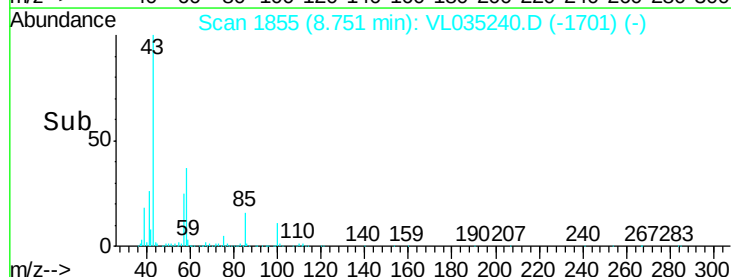
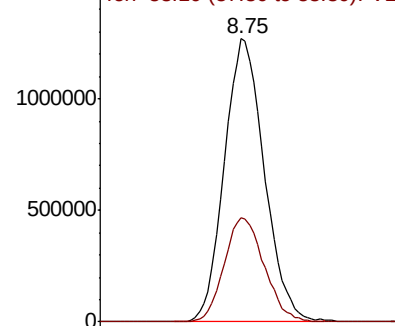
Ion Ratio Lower Upper

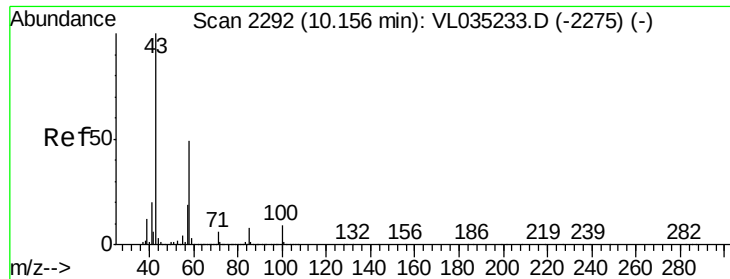
43 100

58 36.9 30.0 45.0



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

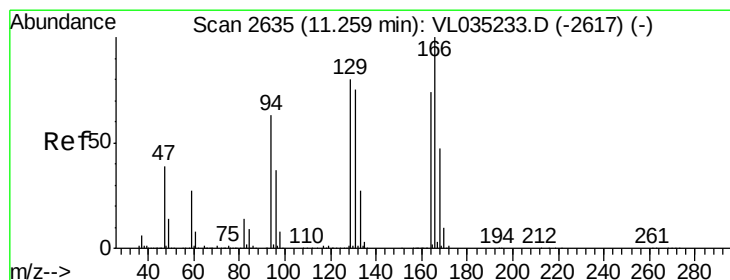
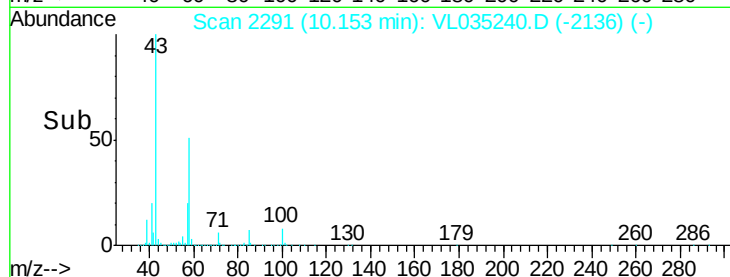
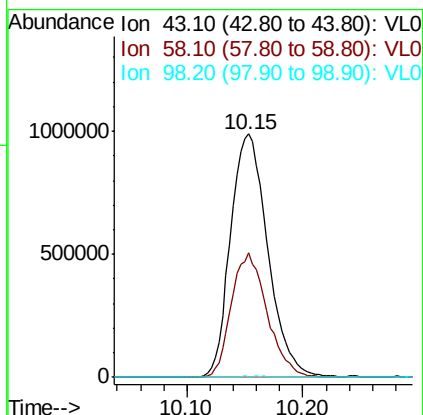
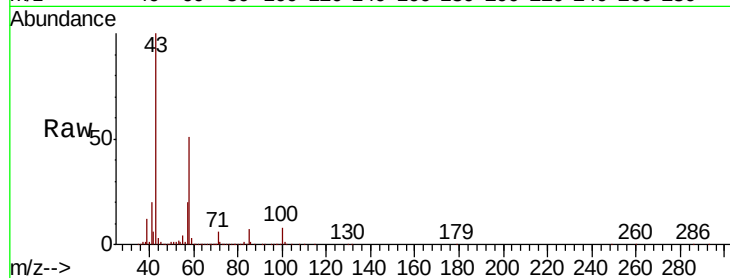




#51
2-Hexanone
Concen: 11.244 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

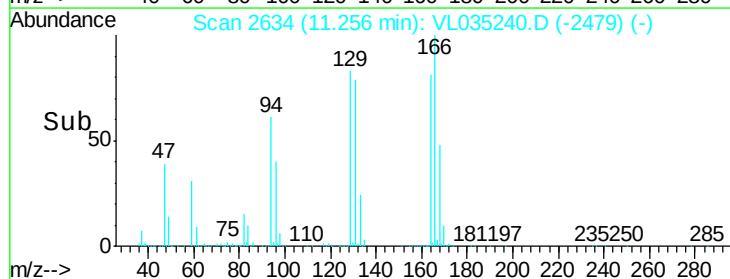
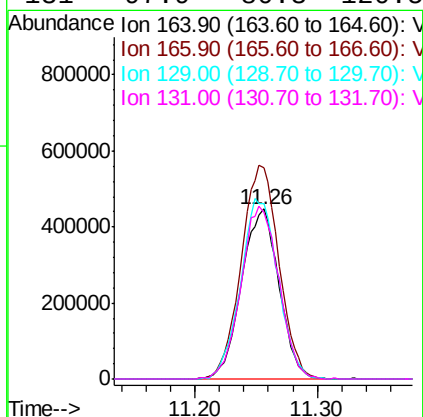
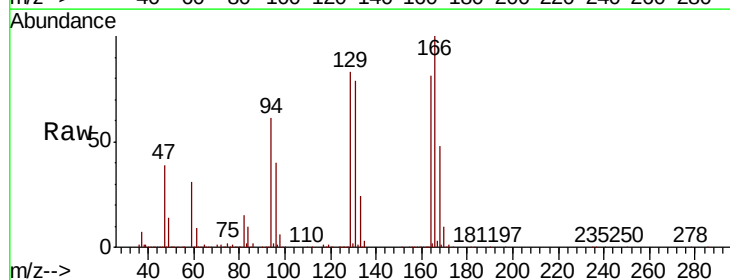
Instrument :
MSVOA_L
ClientSampled :

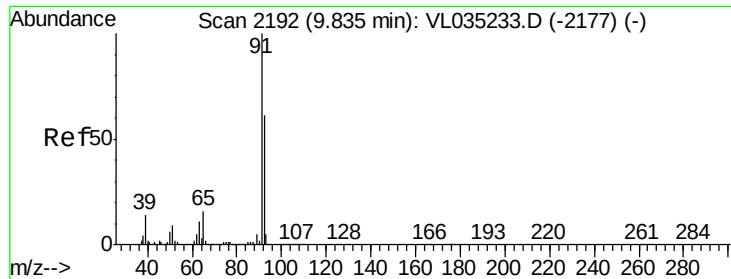
Tot Ion: 43 Resp: 2211924
Ion Ratio Lower Upper
43 100
58 49.2 38.8 58.2
98 0.4 0.6 0.8#



#52
Tetrachloroethene
Concen: 10.126 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 164 Resp: 944665
Ion Ratio Lower Upper
164 100
166 124.1 107.5 161.3
129 103.2 86.0 129.0
131 97.9 80.3 120.5





#53

Toluene

Concen: 11.500 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

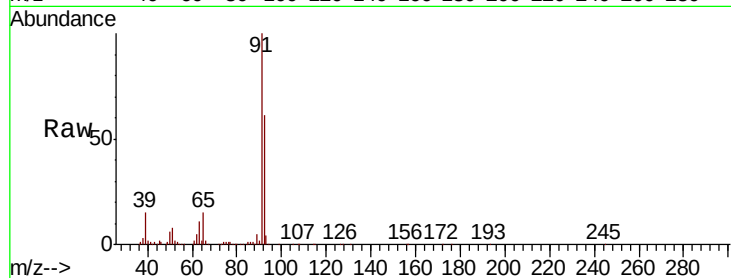
ClientSampleId :

Tot Ion: 91 Resp: 2988463

Ion Ratio Lower Upper

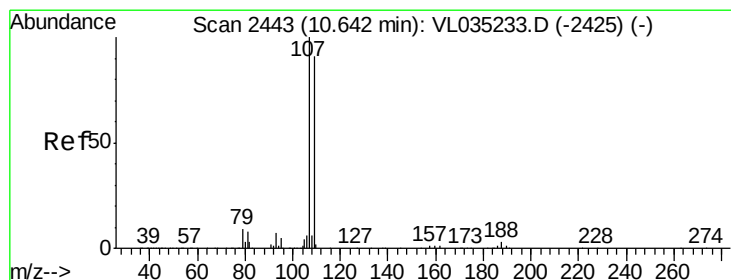
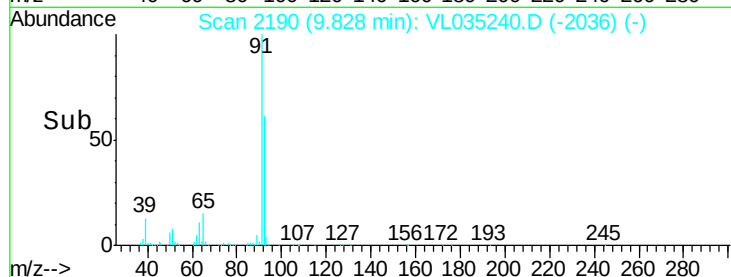
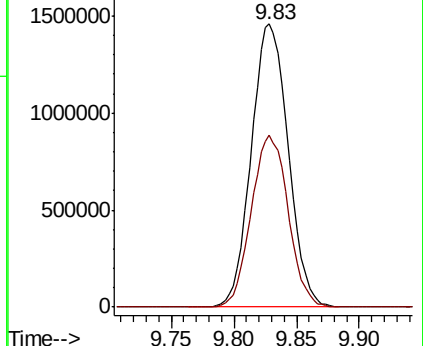
91 100

92 60.6 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 5.993 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL035240.D

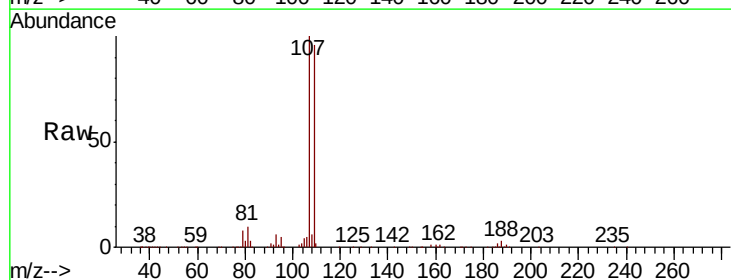
Acq: 29 Jul 2020 9:14

Tgt Ion: 107 Resp: 998630

Ion Ratio Lower Upper

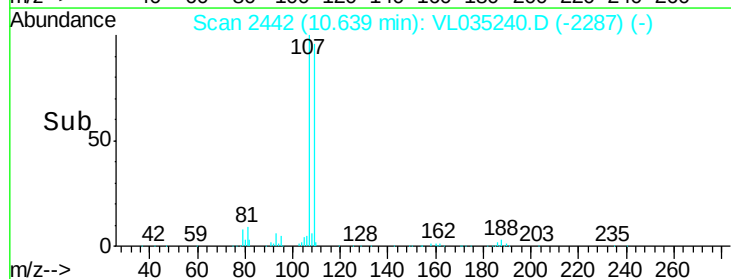
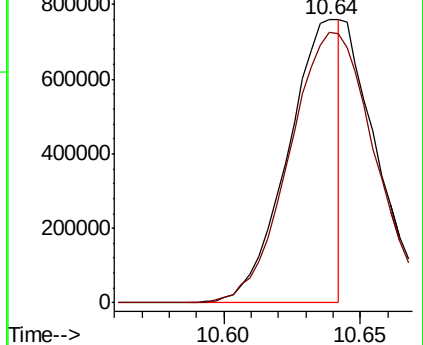
107 100

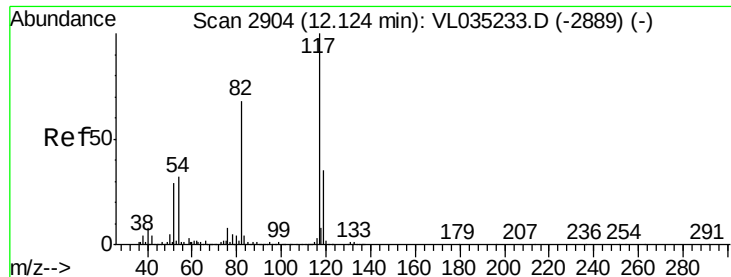
109 95.6 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

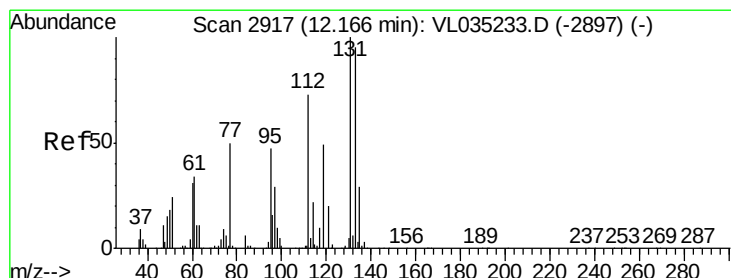
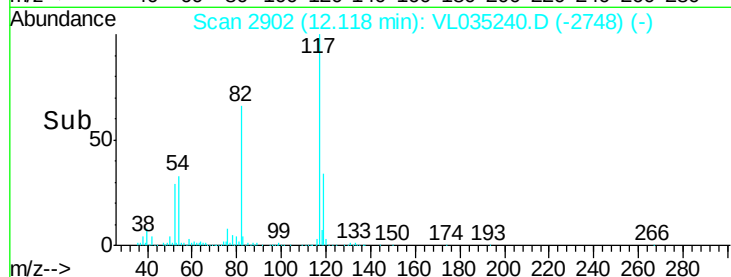
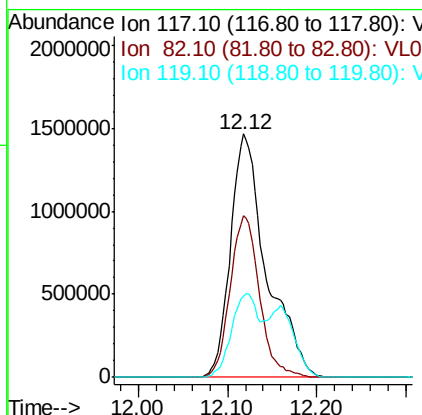
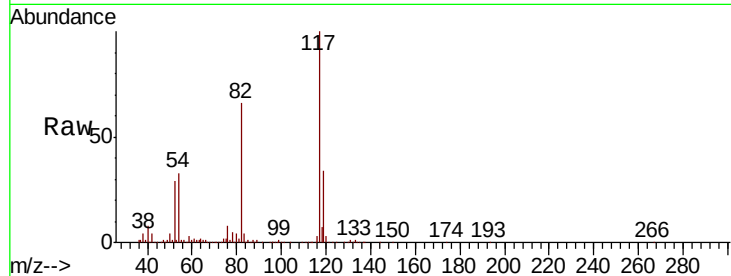




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

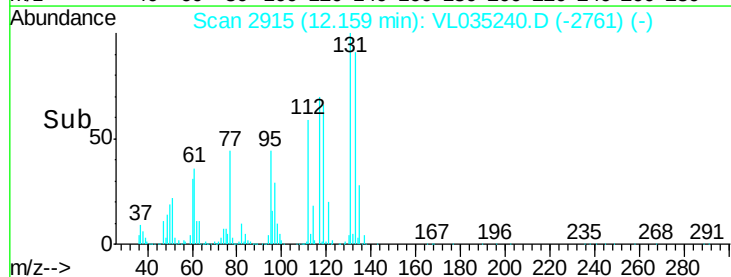
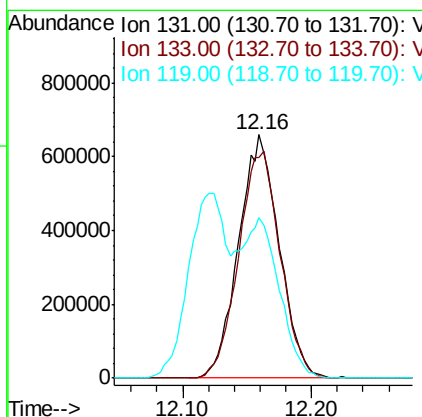
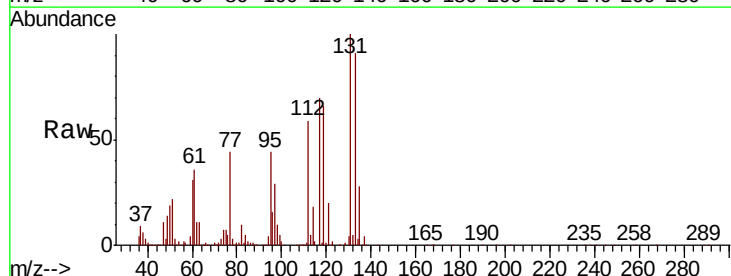
Instrument :
MSVOA_L
ClientSampleId :

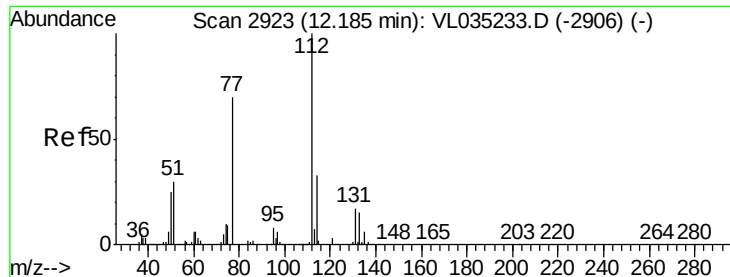
Tot Ion:117 Resp: 4114231
Ion Ratio Lower Upper
117 100
82 54.0 52.4 78.6
119 26.4 24.6 36.8



#56
1,1,1,2-Tetrachloroethane
Concen: 7.607 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion:131 Resp: 1439102
Ion Ratio Lower Upper
131 100
133 95.8 76.1 114.1
119 57.0 44.3 66.5

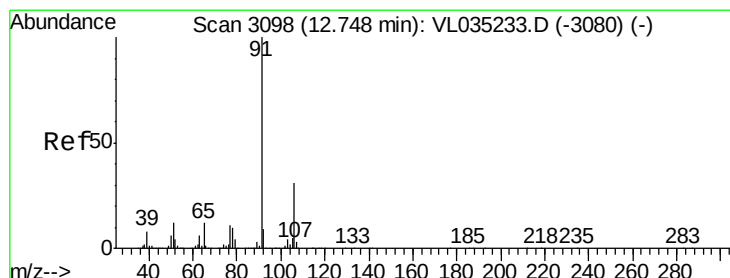
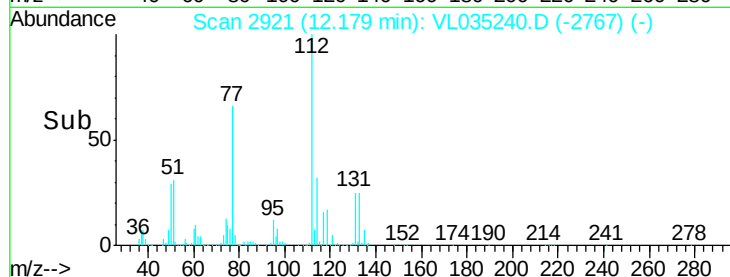
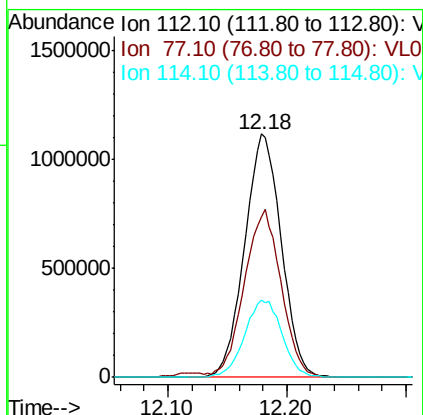
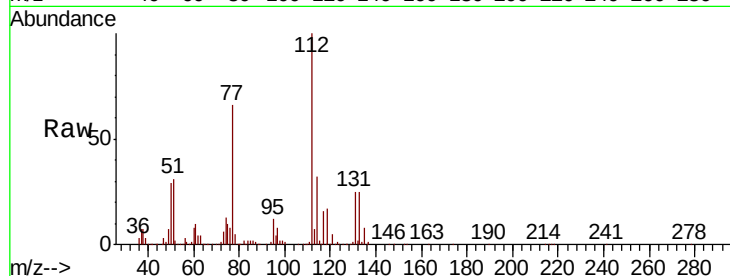




#57
Chlorobenzene
Concen: 7.702 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

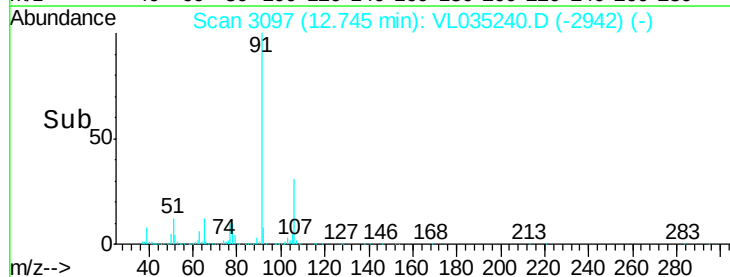
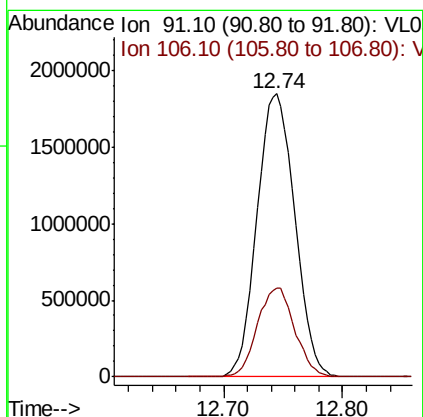
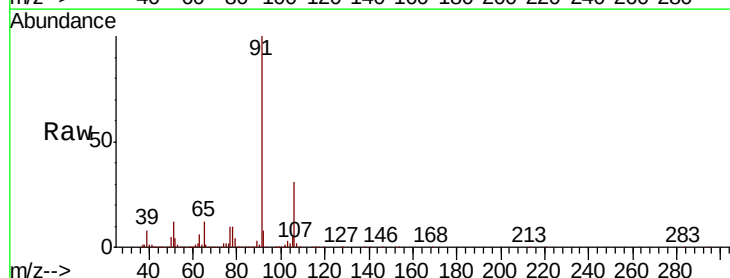
Instrument :
MSVOA_L
ClientSampled :

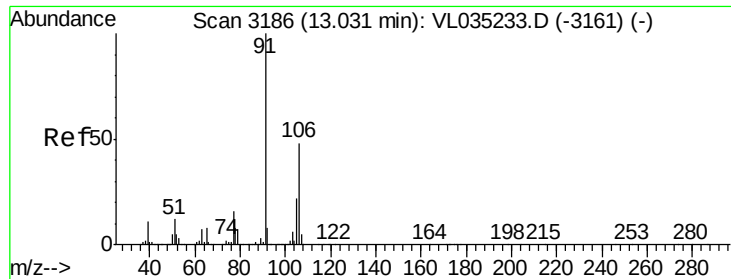
Tot Ion:112 Resp: 2384139
Ion Ratio Lower Upper
112 100
77 65.7 57.3 85.9
114 31.9 29.3 35.8



#58
Ethyl Benzene
Concen: 9.326 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 91 Resp: 4063448
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

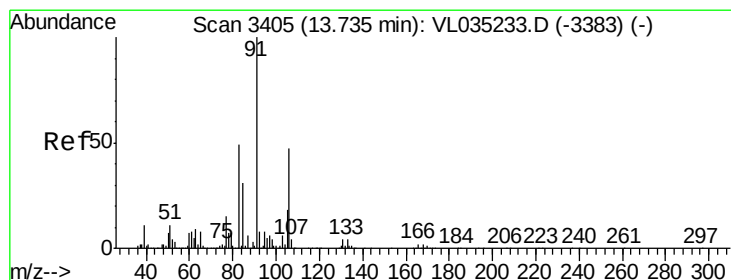
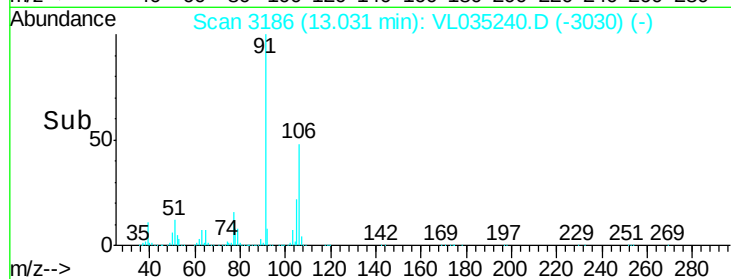
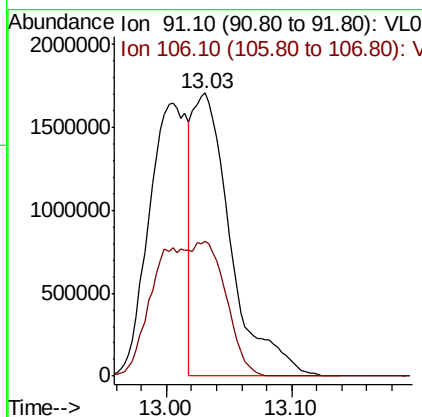
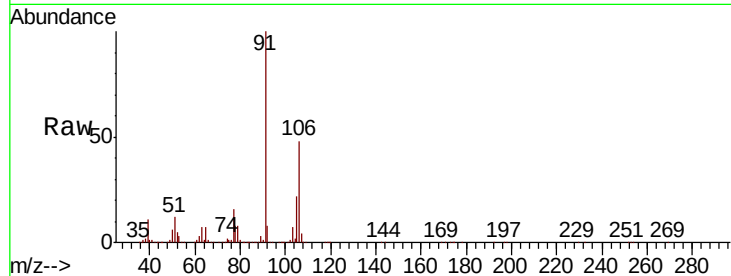




#59
m/p-Xylene
Concen: 8.878 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

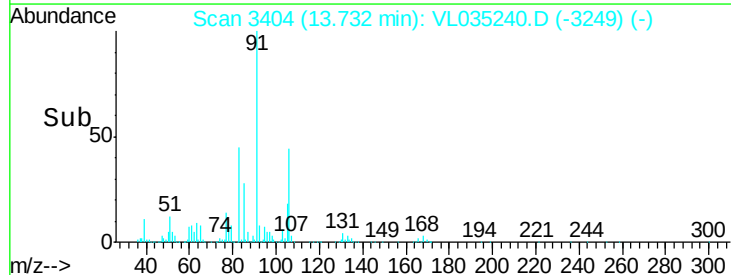
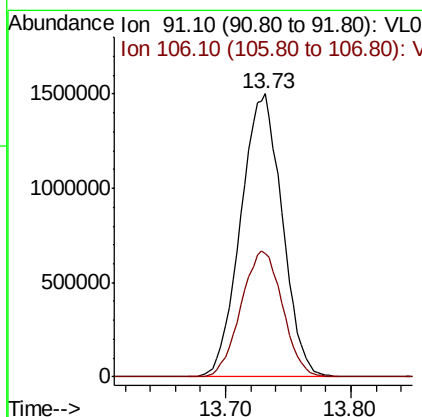
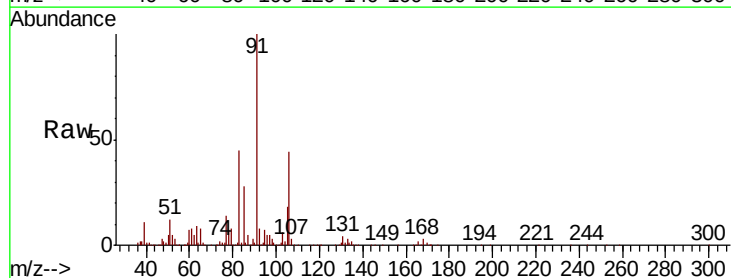
Instrument :
MSVOA_L
ClientSampleId :

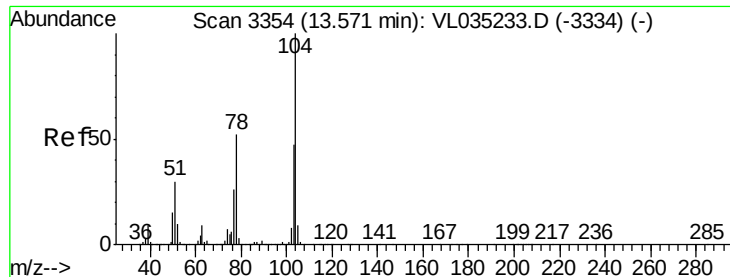
Tot Ion: 91 Resp: 3601264
Ion Ratio Lower Upper
91 100
106 88.0 37.2 55.8#



#60
o-Xylene
Concen: 8.476 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.00 min
Lab File: VL035240.D
Acq: 29 Jul 2020 9:14

Tgt Ion: 91 Resp: 3430610
Ion Ratio Lower Upper
91 100
106 44.6 22.4 67.0





#61

Stvrene

Concen: 9.882 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampled :

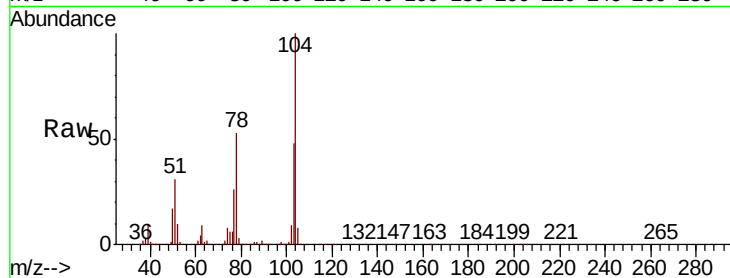
Tot Ion:104 Resp: 2427722

Ion Ratio Lower Upper

104 100

78 54.7 43.3 64.9

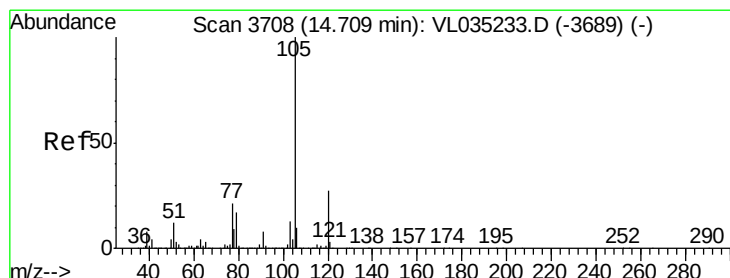
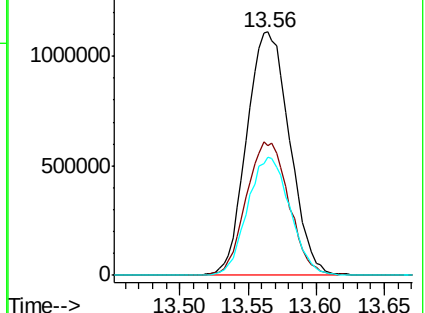
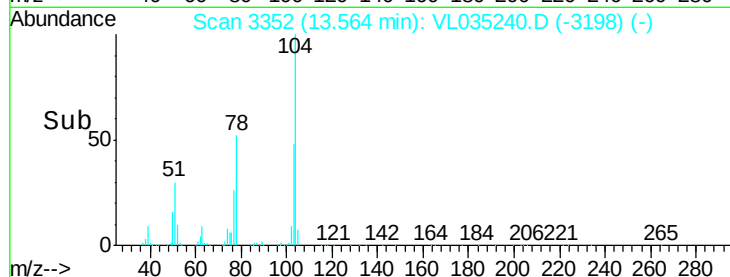
103 48.1 38.2 57.2



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: 8.311 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.01 min

Lab File: VL035240.D

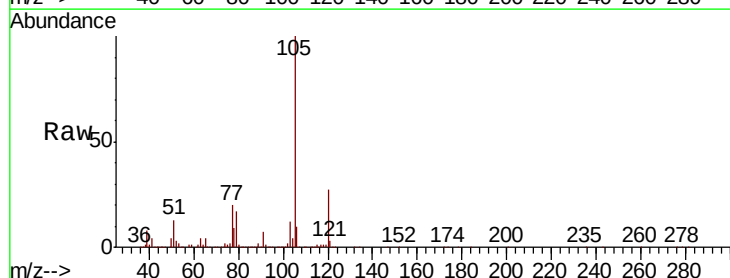
Acq: 29 Jul 2020 9:14

Tgt Ion:105 Resp: 5006740

Ion Ratio Lower Upper

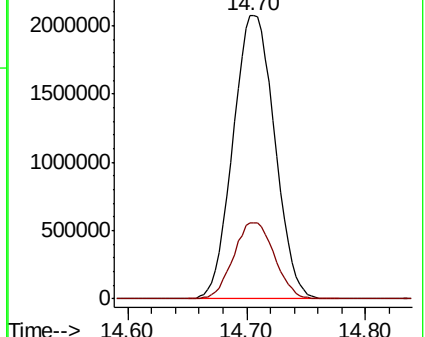
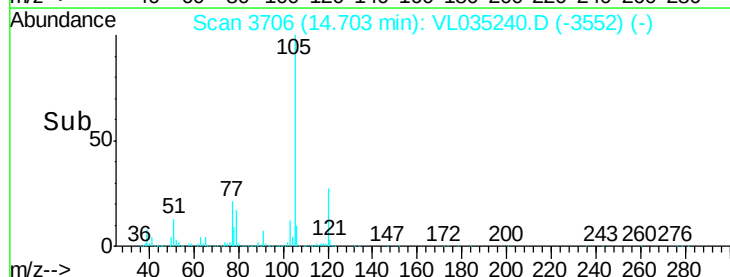
105 100

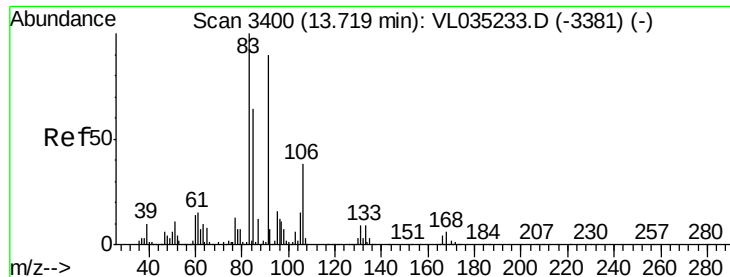
120 26.5 20.8 31.2



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: 7.110 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

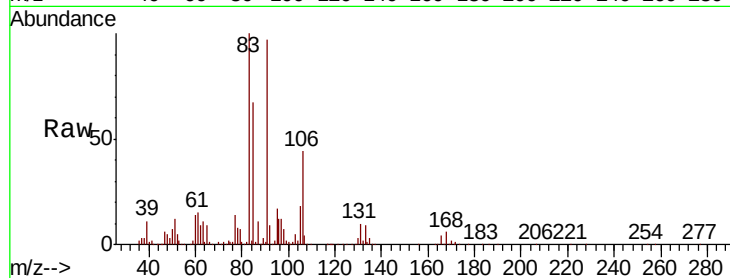
Tot Ion: 83 Resp: 2476196

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

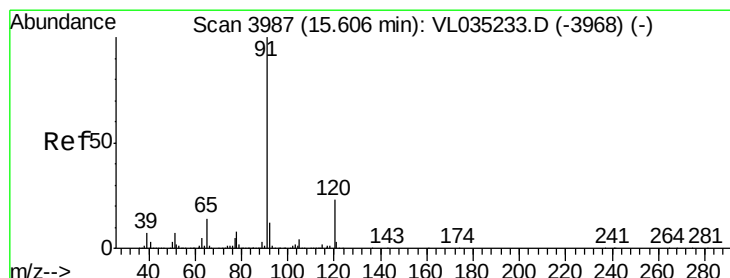
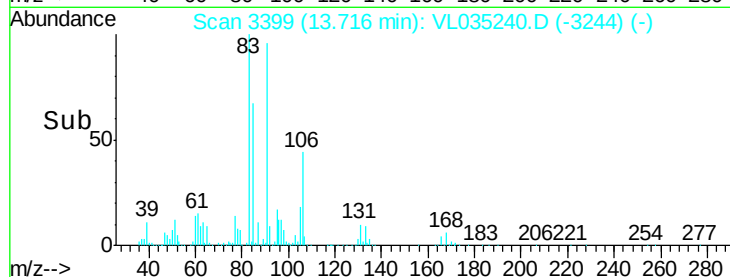
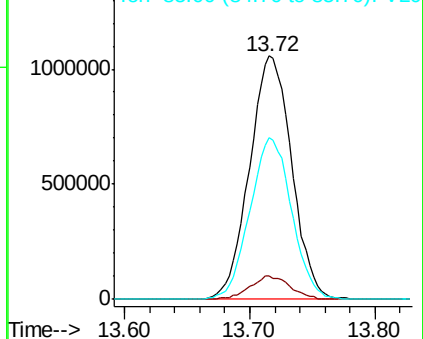
85 65.7 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 4.685 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. -0.01 min

Lab File: VL035240.D

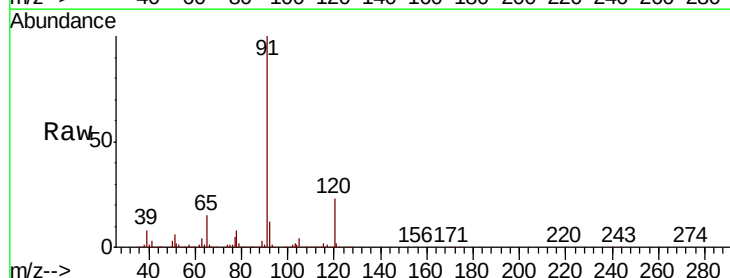
Acq: 29 Jul 2020 9:14

Tgt Ion: 120 Resp: 750441

Ion Ratio Lower Upper

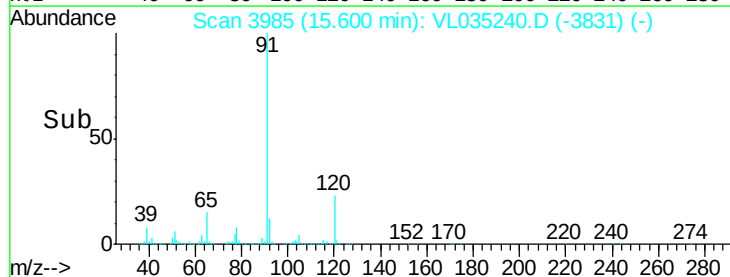
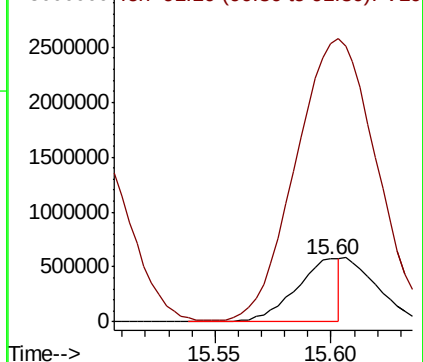
120 100

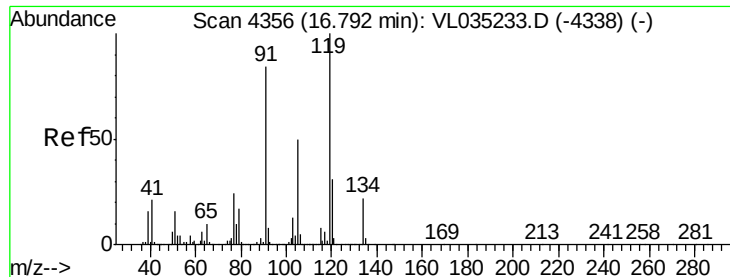
91 830.1 367.5 551.3#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.317 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

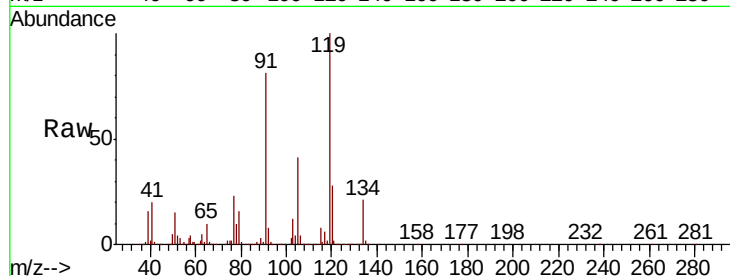
Tot Ion:119 Resp: 4538553

Ion	Ratio	Lower	Upper
119	100		
91	84.1	68.0	102.0
134	20.2	16.3	24.5

119 100

91 84.1 68.0 102.0

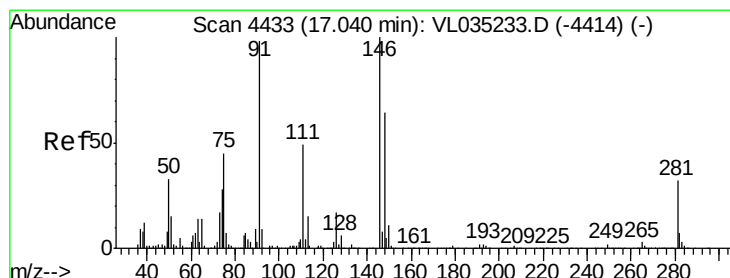
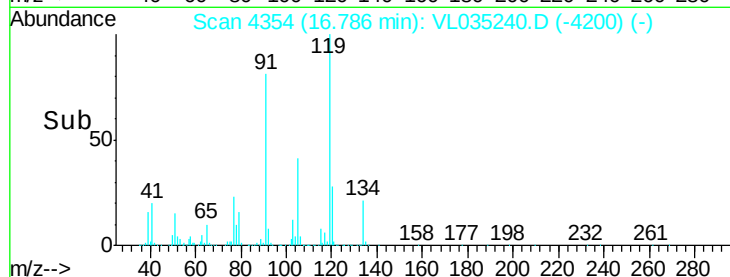
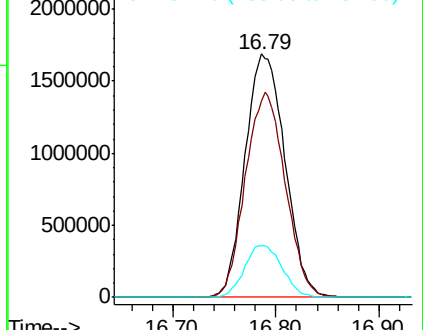
134 20.2 16.3 24.5



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.272 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

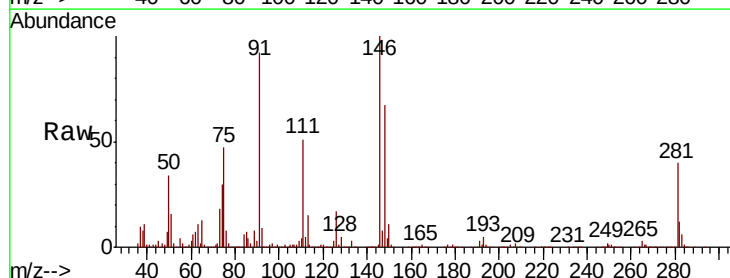
Tgt Ion: 91 Resp: 1768167

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.1	21.1
128	5.3	4.4	6.6

91 100

126 17.7 14.1 21.1

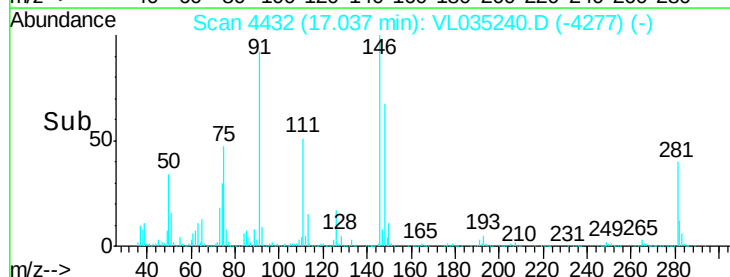
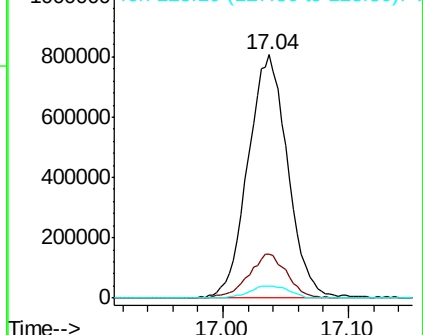
128 5.3 4.4 6.6

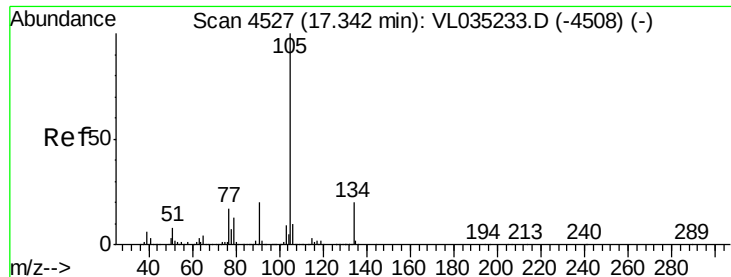


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.032 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

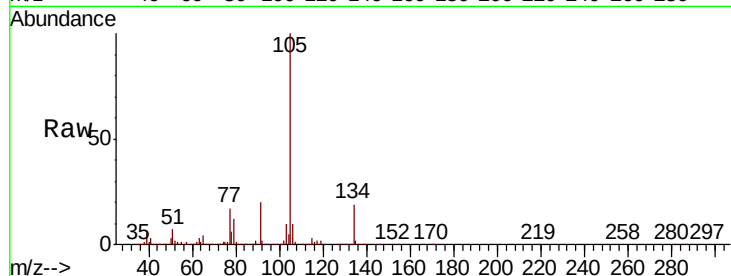
ClientSampleId :

Tot Ion:105 Resp: 6404370

Ion Ratio Lower Upper

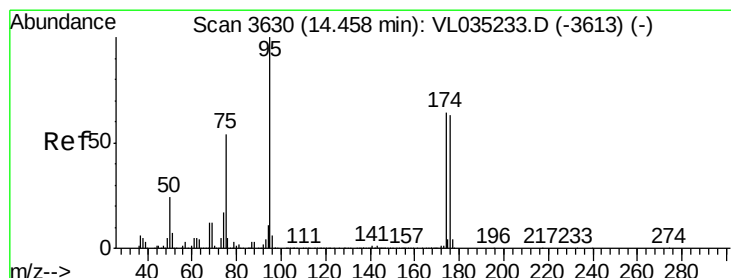
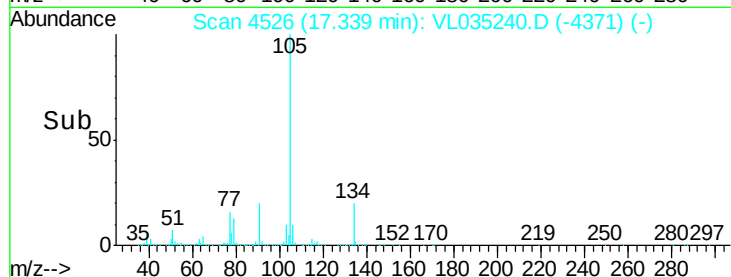
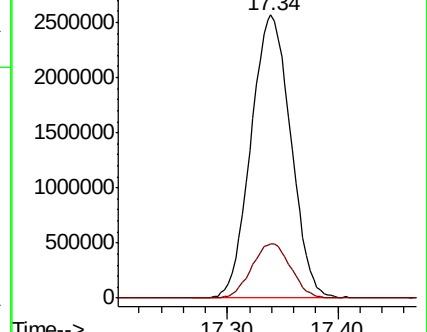
105 100

134 18.8 15.0 22.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.114 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

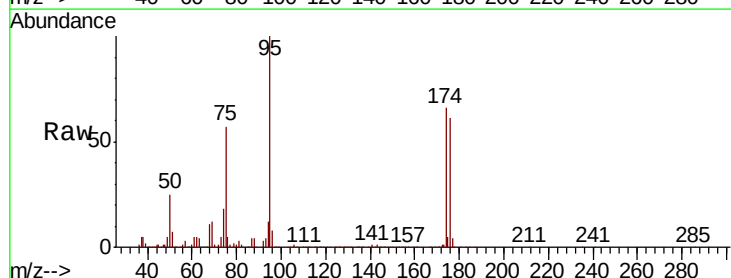
Tgt Ion: 95 Resp: 2667583

Ion Ratio Lower Upper

95 100

174 66.2 52.7 79.1

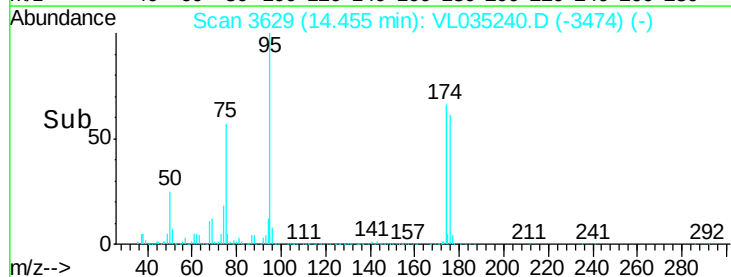
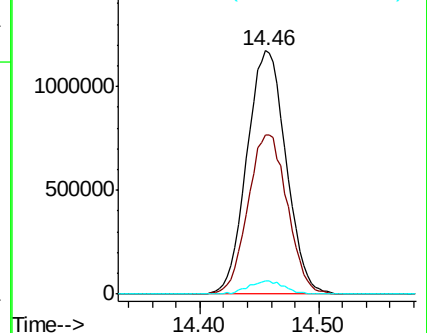
175 5.1 3.9 5.9

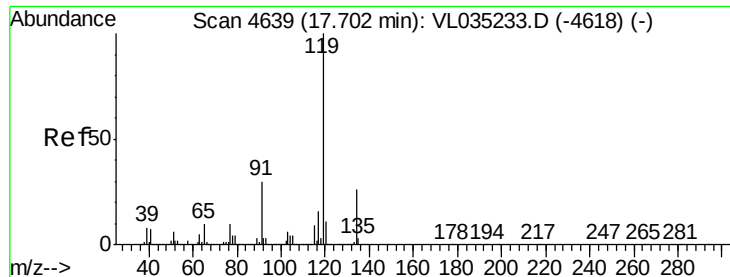


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

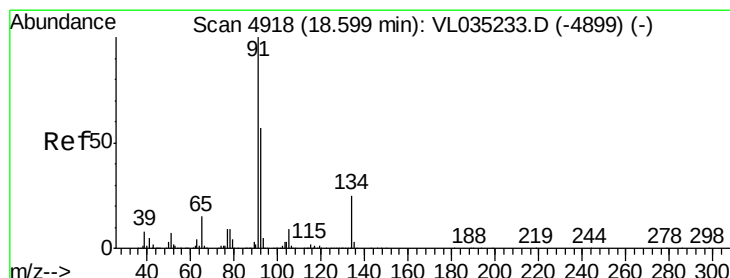
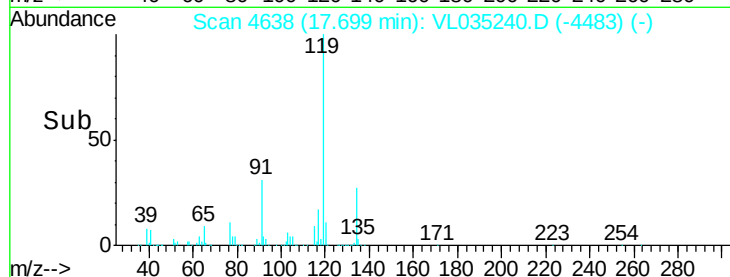
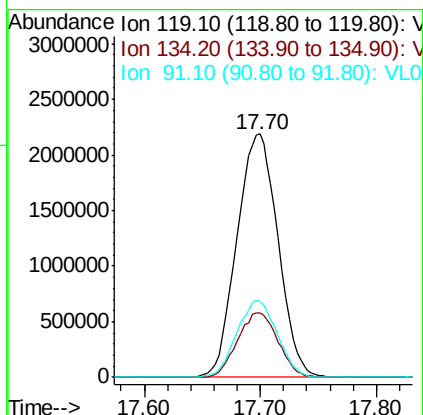
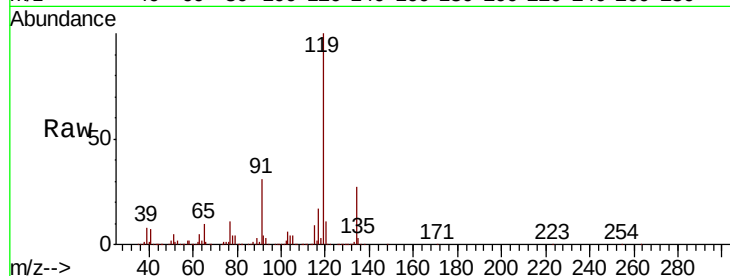




#69
 p-Isopropyltoluene
 Concen: 8.266 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. -0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

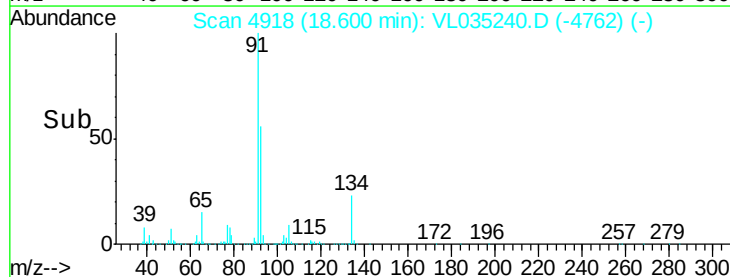
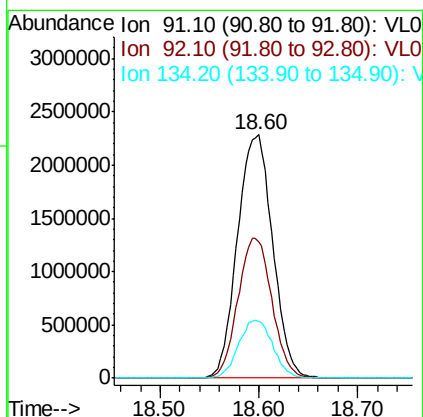
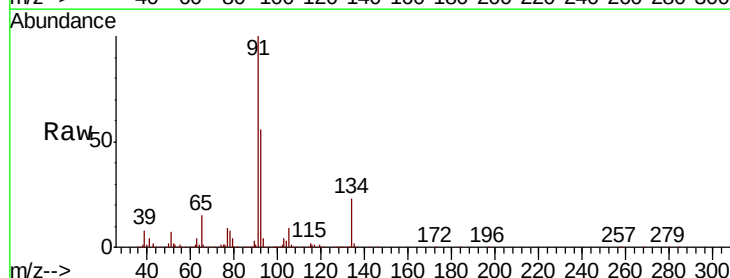
Instrument :
 MSVOA_L
 ClientSampleID :

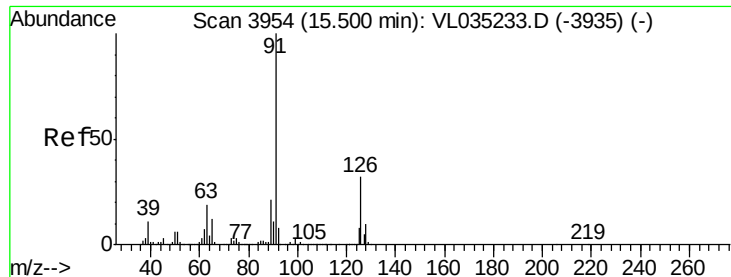
Tot Ion:119 Resp: 5376765
 Ion Ratio Lower Upper
 119 100
 134 26.2 20.8 31.2
 91 31.1 24.7 37.1



#70
 n-Butylbenzene
 Concen: 8.030 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Tgt Ion: 91 Resp: 5650885
 Ion Ratio Lower Upper
 91 100
 92 55.6 44.9 67.3
 134 23.1 18.6 28.0





#71

2-Chlorotoluene

Concen: 8.687 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

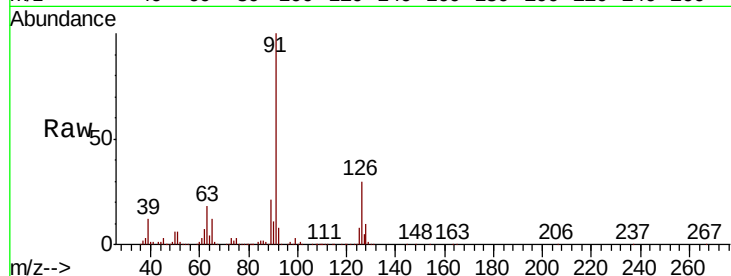
ClientSampled :

Tot Ion: 91 Resp: 3945868

Ion Ratio Lower Upper

91 100

126 30.6 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL035233.D (-3935) (-)

Ion 126.10 (125.80 to 126.80): VL035233.D (-3935) (-)

3000000

2500000

2000000

1500000

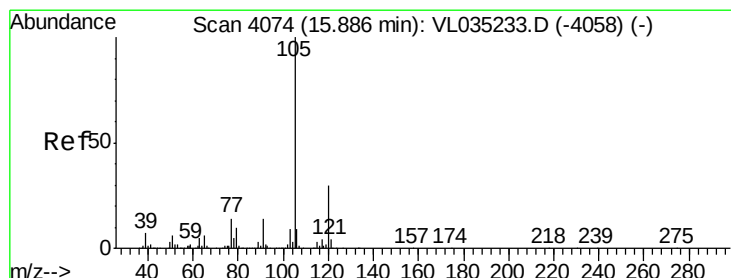
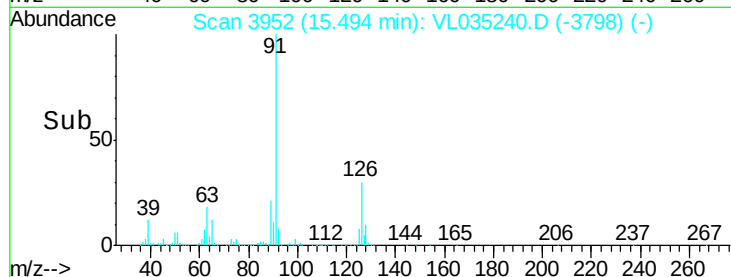
1000000

500000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 8.936 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Tgt Ion:105 Resp: 4070916

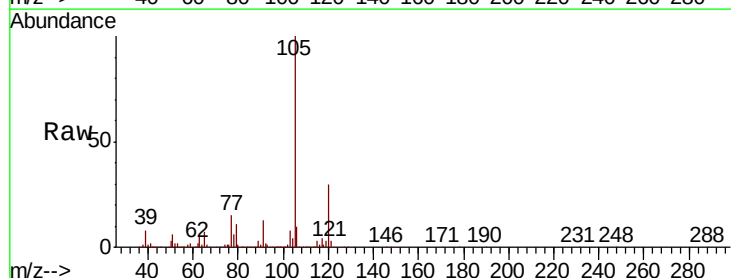
Ion Ratio Lower Upper

105 100

120 29.3 23.6 35.4

91 13.4 11.0 16.6

77 14.7 11.7 17.5



Abundance Ion 105.10 (104.80 to 105.80): VL035233.D (-4058) (-)

Ion 120.20 (119.90 to 120.90): VL035233.D (-4058) (-)

Ion 91.10 (90.80 to 91.80): VL035233.D (-4058) (-)

Ion 77.10 (76.80 to 77.80): VL035233.D (-4058) (-)

2500000

2000000

1500000

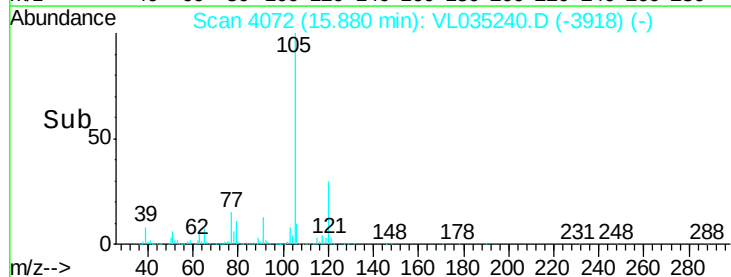
1000000

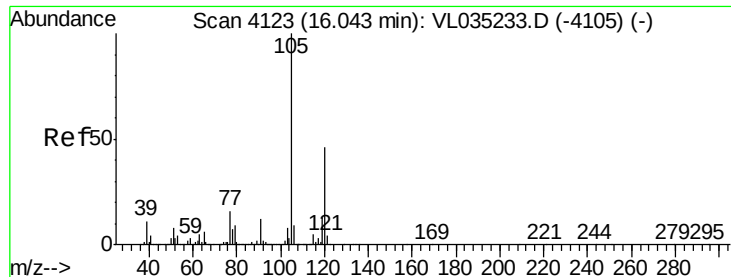
500000

0

15.80 15.85 15.90 15.95

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 8.589 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

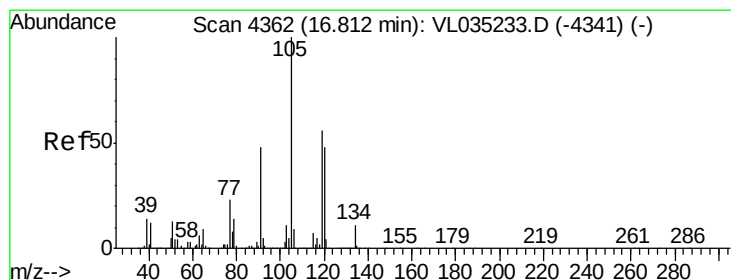
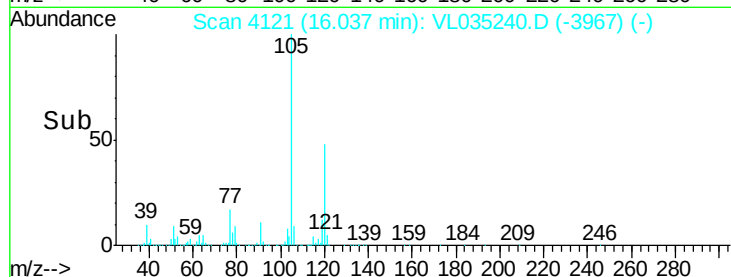
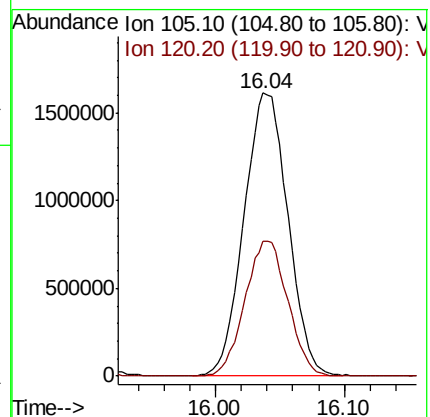
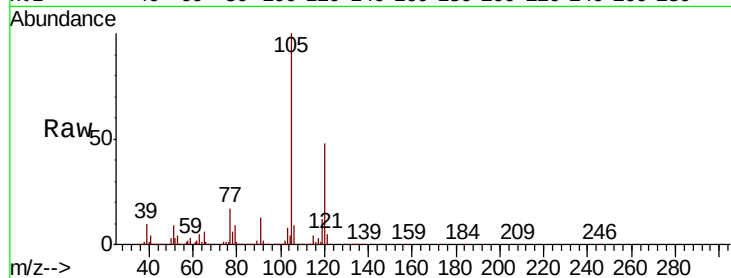
ClientSampleId :

Tot Ion:105 Resp: 3815824

Ion Ratio Lower Upper

105 100

120 47.6 36.8 55.2



#74

1,2,4-Trimethylbenzene

Concen: 7.757 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Tgt Ion:105 Resp: 4011563

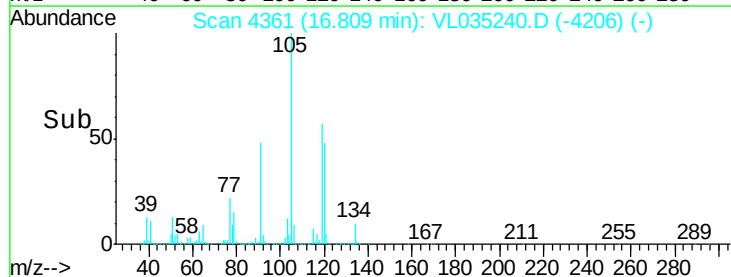
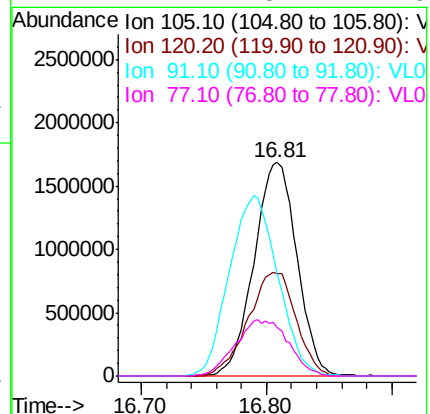
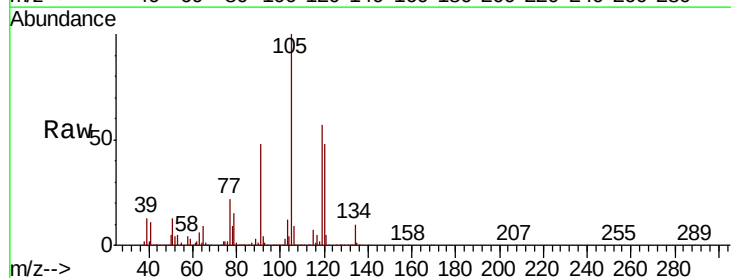
Ion Ratio Lower Upper

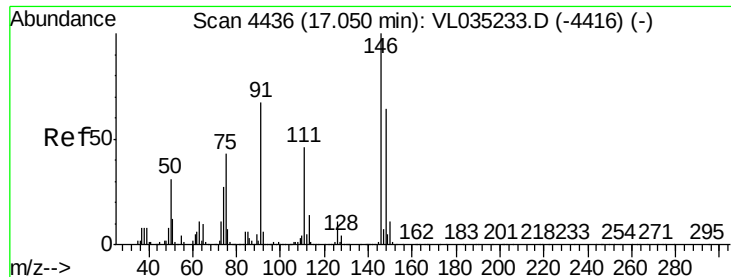
105 100

120 47.7 38.8 58.2

91 47.6 38.9 58.3

77 22.4 18.4 27.6

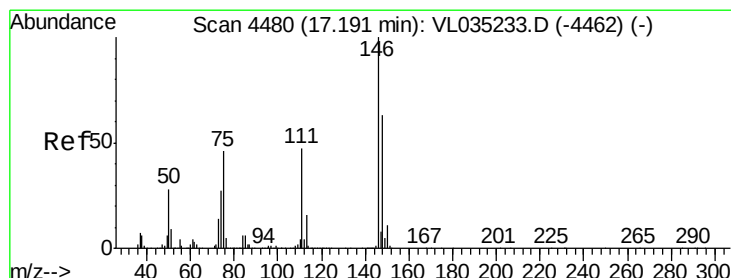
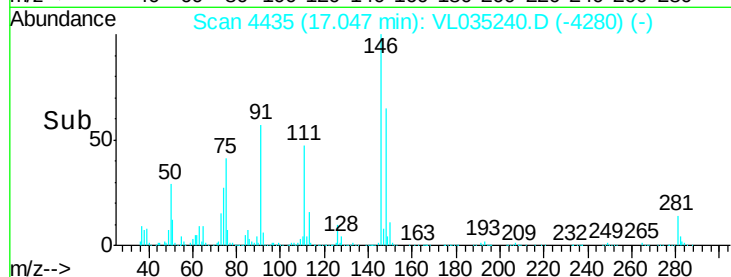
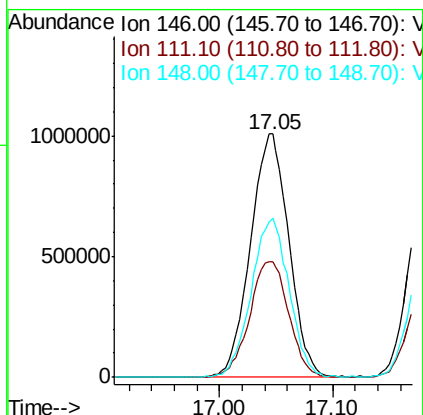
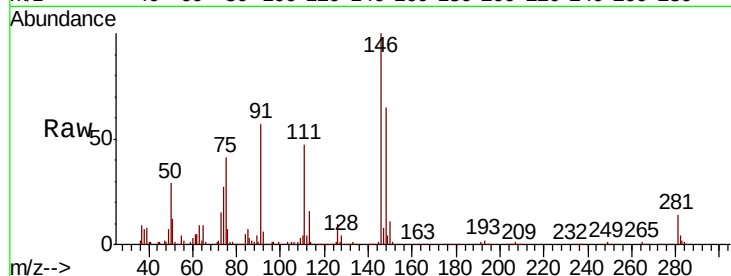




#75
 1,3-Dichlorobenzene
 Concen: 7.116 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. -0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

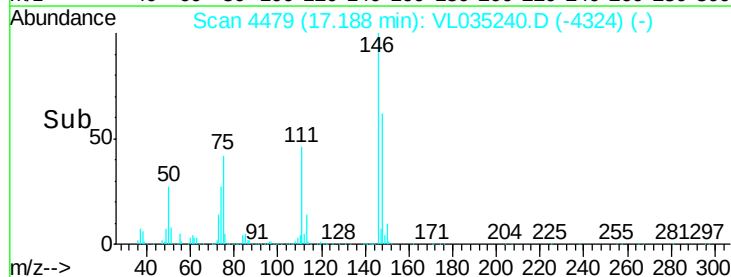
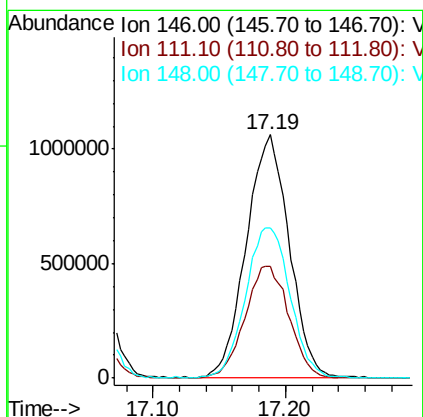
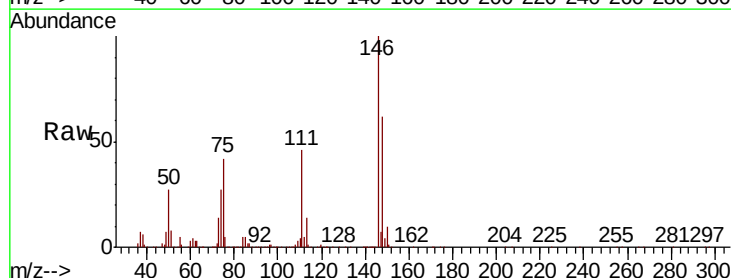
Instrument :
 MSVOA_L
 ClientSampleId :

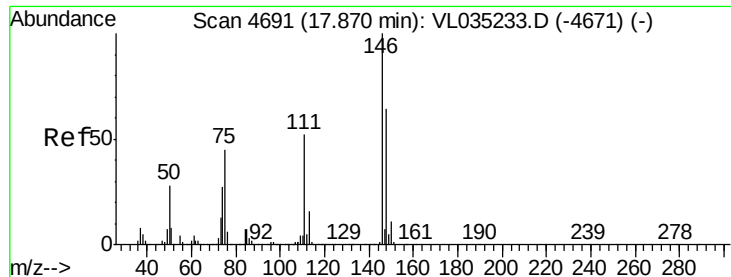
Tot Ion:146 Resp: 2376363
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.4 73.4
 148 64.5 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.875 ppbv
 RT: 17.19 min Scan# 4479
 Delta R.T. -0.00 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Tgt Ion:146 Resp: 2378567
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.4 70.2
 148 65.0 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 7.588 ppbv

RT: 17.87 min Scan# 4690

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

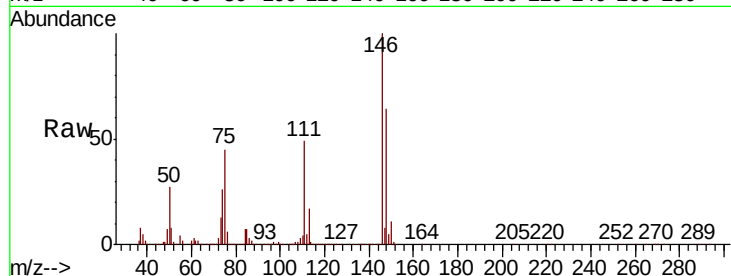
Tot Ion:146 Resp: 2269449

Ion Ratio Lower Upper

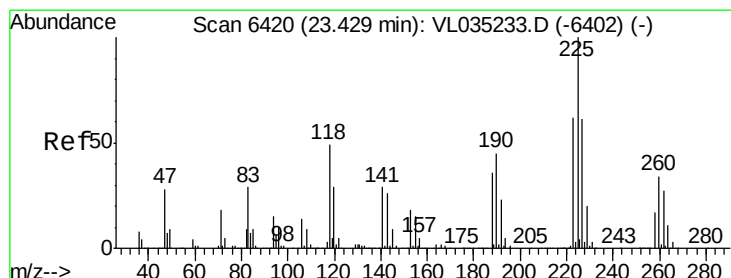
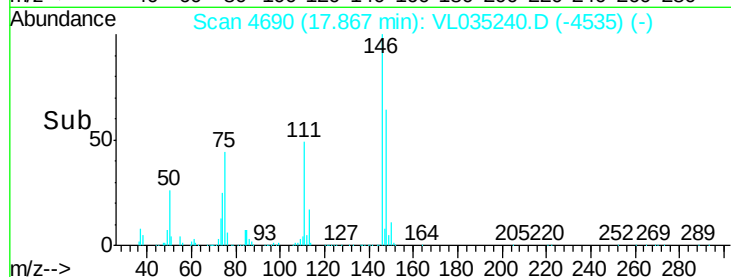
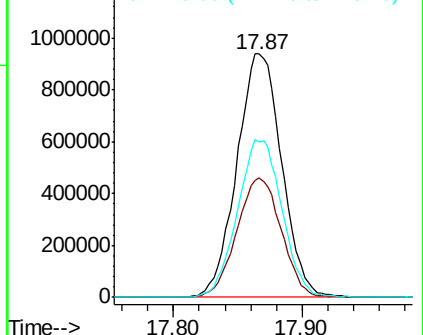
146 100

111 48.9 24.6 73.8

148 64.5 32.0 96.0



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: 6.711 ppbv

RT: 23.43 min Scan# 6420

Delta R.T. 0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

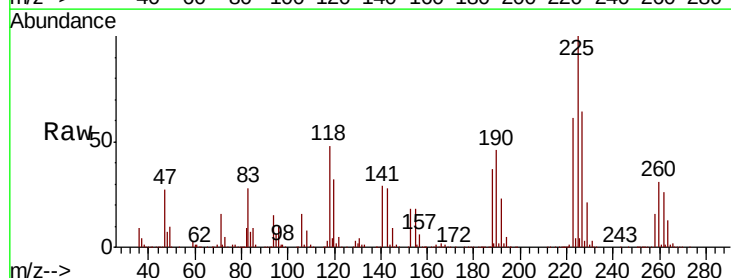
Tgt Ion:225 Resp: 1643023

Ion Ratio Lower Upper

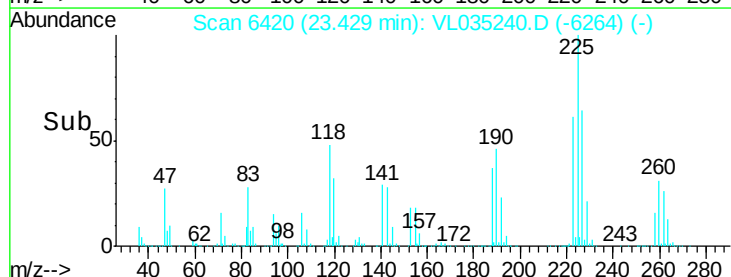
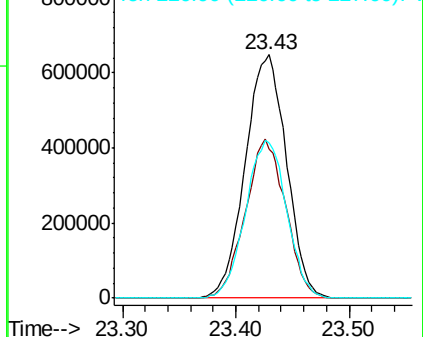
225 100

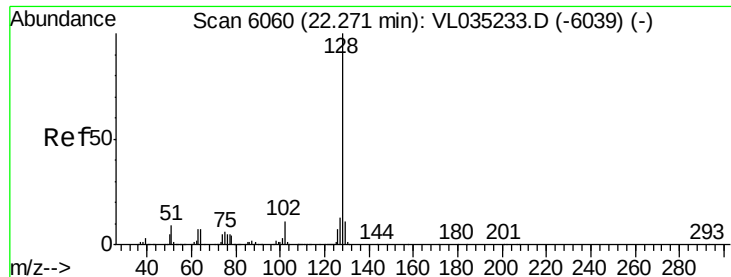
223 63.7 51.3 76.9

227 64.7 51.4 77.2



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: 8.041 ppbv

RT: 22.27 min Scan# 6058

Delta R.T. -0.01 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

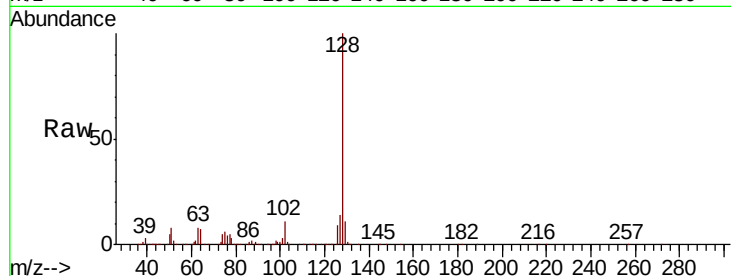
Tot Ion:128 Resp: 3306870

Ion Ratio Lower Upper

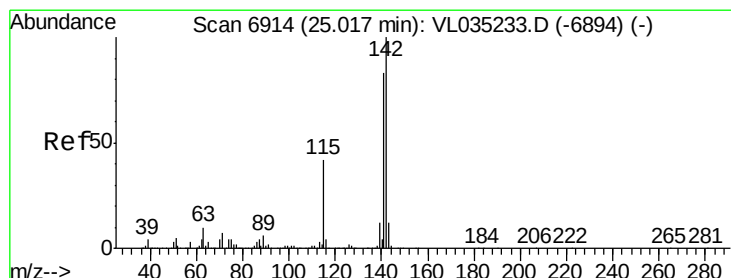
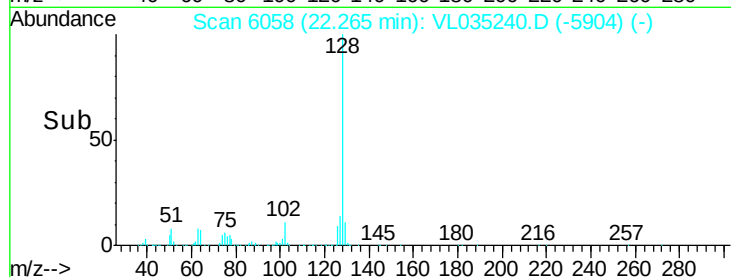
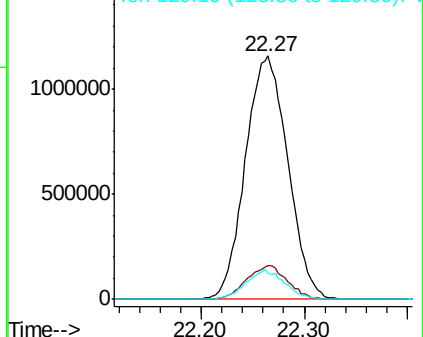
128 100

127 14.0 10.4 15.6

129 10.7 8.5 12.7



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: 8.121 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. -0.00 min

Lab File: VL035240.D

Acq: 29 Jul 2020 9:14

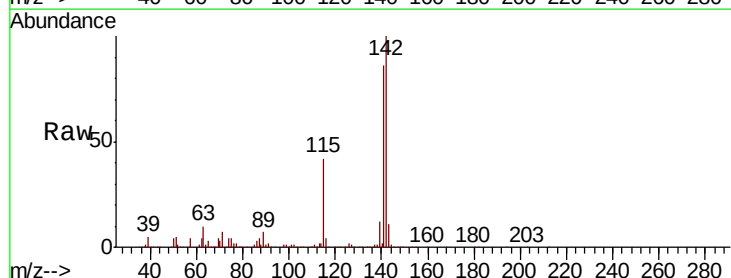
Tgt Ion:142 Resp: 1080906

Ion Ratio Lower Upper

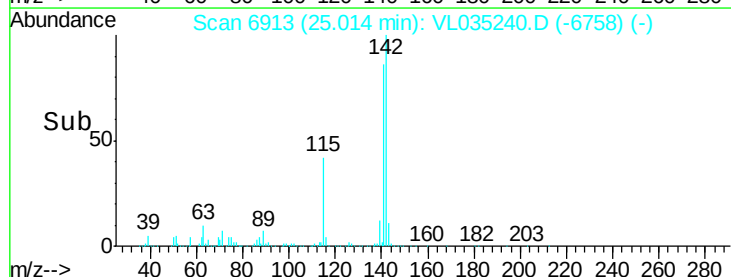
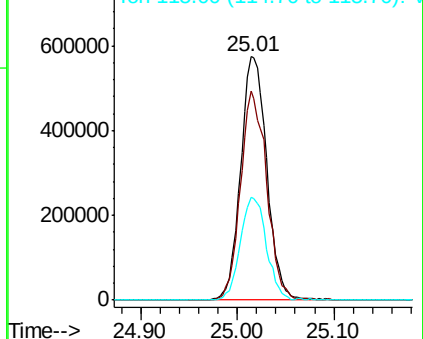
142 100

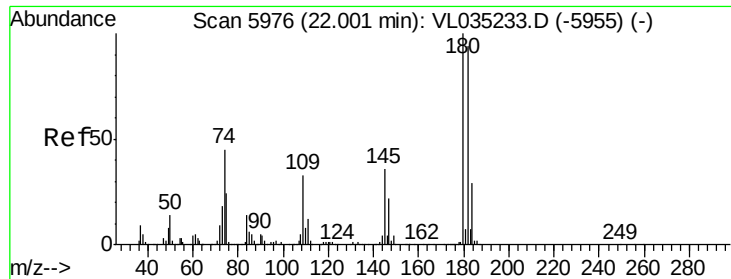
141 86.0 68.6 103.0

115 42.4 34.5 51.7



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

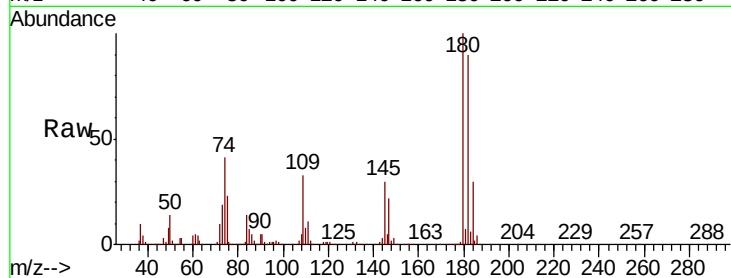




#81
 1,2,4-Trichlorobenzene
 Concen: 7.476 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. -0.01 min
 Lab File: VL035240.D
 Acq: 29 Jul 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1871570
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.7 115.1
 184 30.9 24.7 37.1



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

