

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035234.D
 Acq On : 29 Jul 2020 3:24
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 29 06:00:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 03:31:38 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1475802	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3551526	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3400561	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2687108	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	353734	1.743	ppbv	93
3) Chlorodifluoromethane	2.94	51	353255	2.161	ppbv	98
4) Chloromethane	3.10	50	196245	2.127	ppbv	98
5) Vinyl Chloride	3.22	62	200347	2.030	ppbv	95
6) Bromomethane	3.44	94	122968	2.195	ppbv	98
7) Chloroethane	3.52	64	73704	2.111	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	466500	2.049	ppbv	100
9) Propene	2.97	41	125342	2.048	ppbv	95
10) Heptane	8.13	43	200999	1.264	ppbv #	55
11) Trichlorofluoromethane	3.92	101	500459	2.128	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	355250	2.150	ppbv	100
13) Ethanol	3.57	45	36815	1.832	ppbv	73
14) Bromoethene	3.71	108	147879	2.179	ppbv	99
15) Acetone	3.82	43	434747	2.167	ppbv	94
16) 1,3-Butadiene	3.29	39	167946	2.185	ppbv	98
17) tert-Butyl alcohol	4.27	59	399311	2.229	ppbv	100
18) 1,1-Dichloroethene	4.26	96	159219	2.174	ppbv	89
19) Isopropyl Alcohol	3.94	45	282750	2.312	ppbv	99
20) Methylene Chloride	4.32	84	205856	2.347	ppbv	99
21) Allyl Chloride	4.38	41	246187	2.107	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	151419	2.082	ppbv	90
23) Vinyl Acetate	5.05	43	420185	1.959	ppbv #	97
24) 1,1-Dichloroethane	5.00	63	401550	2.156	ppbv	97
25) Ethyl Acetate	5.67	43	681396	2.192	ppbv	98
26) Hexane	5.67	57	314503	2.290	ppbv	98
27) Carbon Disulfide	4.53	76	389763	2.041	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	442983	2.125	ppbv	100
29) Chloroform	5.74	83	494343	2.142	ppbv	87
30) Cyclohexane	7.14	84	216269	2.132	ppbv #	79
31) cis-1,2-Dichloroethene	5.54	61	258017	1.999	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	471250	2.043	ppbv	99
34) 2-Butanone	5.23	43	400275	2.113	ppbv	99
35) Carbon Tetrachloride	7.03	117	478841	2.064	ppbv	93
36) Benzene	6.90	78	541112	2.103	ppbv	94
37) 1,2-Dichloroethane	6.30	62	372878	2.146	ppbv	99
38) Trichloroethene	7.85	130	232587	2.205	ppbv	97
39) 1,2-Dichloropropane	7.62	63	217423	2.112	ppbv	94
40) 1,4-Dioxane	7.86	88	74531	1.816	ppbv #	1
41) Tetrahydrofuran	6.05	42	202076	2.144	ppbv	96
42) Bromodichloromethane	7.80	83	491865	2.120	ppbv #	92
43) Methyl Methacrylate	8.02	69	228759	2.089	ppbv	99

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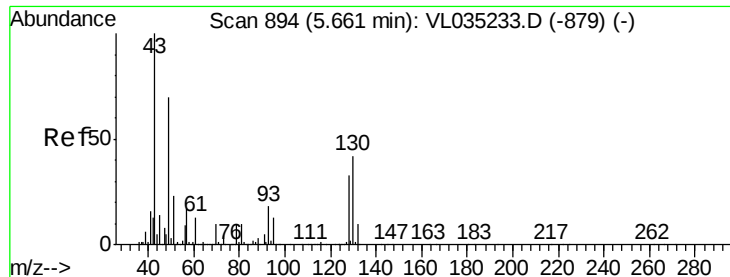
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	999329	2.241	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	215968	1.885	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	277103	2.033	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	244045	2.159	ppbv	95
48) Dibromochloromethane	10.33	129	384349	2.093	ppbv	100
49) Bromoform	13.08	173	338608	2.088	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	588307	2.157	ppbv	97
51) 2-Hexanone	10.16	43	434401	2.080	ppbv #	98
52) Tetrachloroethene	11.25	164	195381	2.018	ppbv	92
53) Toluene	9.83	91	586220	2.149	ppbv	96
54) 1,2-Dibromoethane	10.64	107	361267	2.156	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	328808	2.153	ppbv #	1
57) Chlorobenzene	12.18	112	551961	2.168	ppbv	97
58) Ethyl Benzene	12.74	91	822611	2.163	ppbv	96
59) m/p-Xylene	13.03	91	375416	1.104	ppbv #	1
60) o-Xylene	13.73	91	764338	2.254	ppbv	98
61) Styrene	13.56	104	465524	2.223	ppbv	99
62) Isopropylbenzene	14.71	105	1132093	2.252	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	596909	2.107	ppbv	100
64) n-propylbenzene	15.61	120	300483	2.308	ppbv	89
65) tert-Butylbenzene	16.79	119	1044211	2.313	ppbv	98
66) Benzyl Chloride	17.03	91	356101	2.190	ppbv	97
67) sec-Butylbenzene	17.34	105	1539071	2.341	ppbv	98
69) p-Isopropyltoluene	17.70	119	526626	1.014	ppbv #	29
70) n-Butylbenzene	18.60	91	1357793	2.466	ppbv	96
71) 2-Chlorotoluene	15.49	91	849377	2.231	ppbv	98
72) 4-Ethyltoluene	15.88	105	861989	2.248	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	841559	2.281	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	969137	2.366	ppbv #	87
75) 1,3-Dichlorobenzene	17.04	146	584953	2.246	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	555906	2.300	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	537715	2.289	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	455657	2.476	ppbv	98
79) Naphthalene	22.27	128	803909	2.952	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	220974	3.406	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	471111	2.742	ppbv	99

(#) = 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

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ClientSampleId :

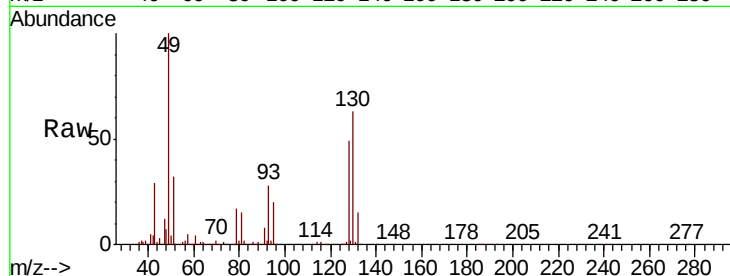
Tot Ion: 49 Resp: 1475802

Ion Ratio Lower Upper

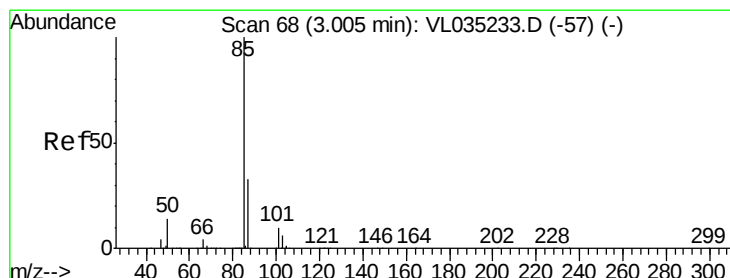
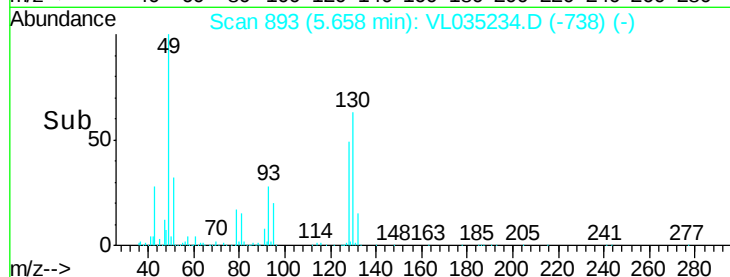
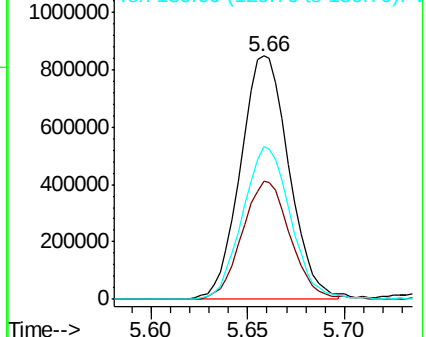
49 100

128 48.5 24.0 72.0

130 62.7 30.7 92.1



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: 1.743 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035234.D

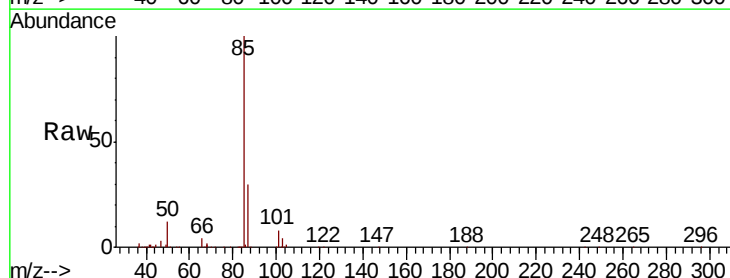
Acq: 29 Jul 2020 3:24

Tgt Ion: 85 Resp: 353734

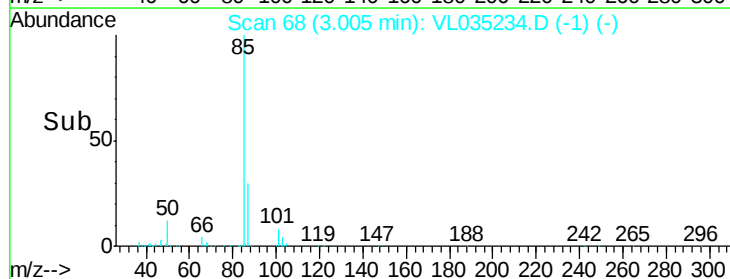
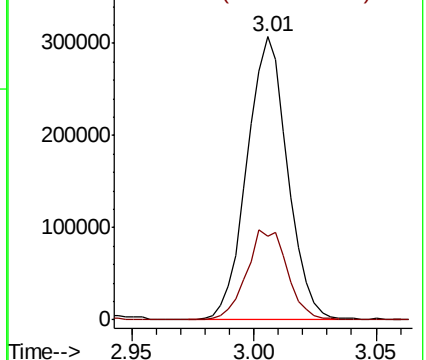
Ion Ratio Lower Upper

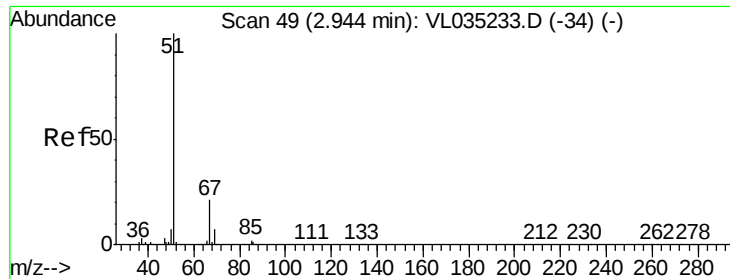
85 100

87 29.4 26.7 40.1



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

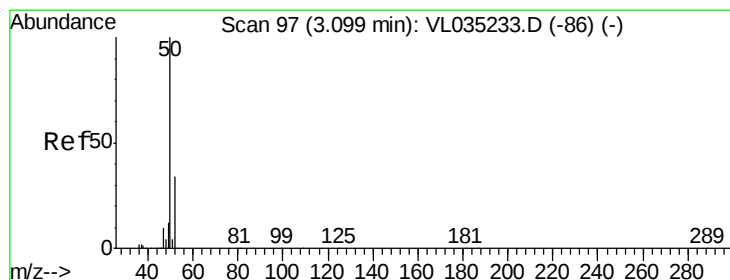
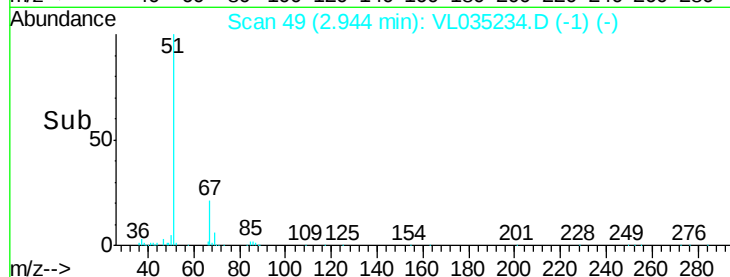
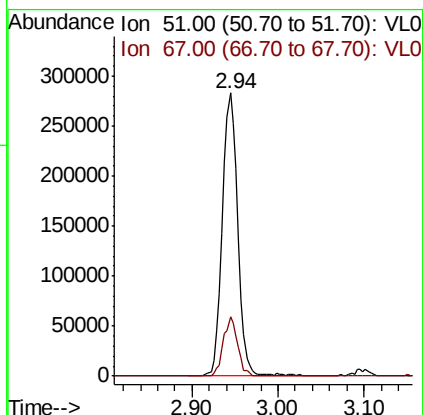
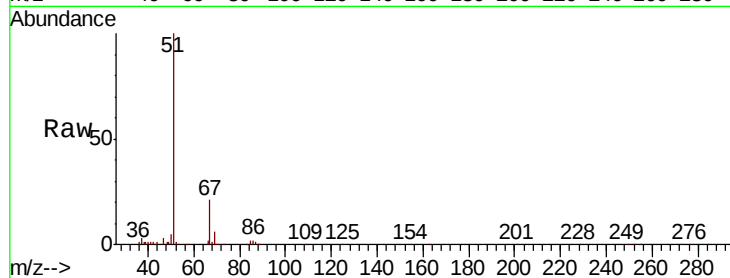




#3
 Chlorodifluoromethane
 Concen: 2.161 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

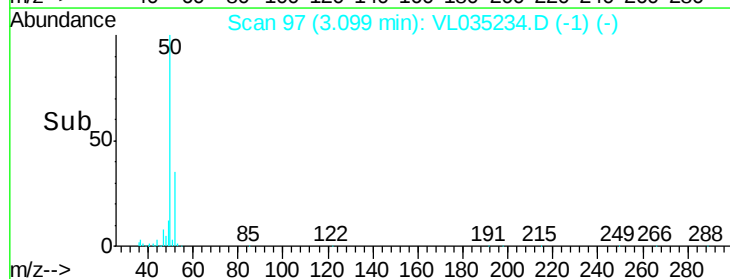
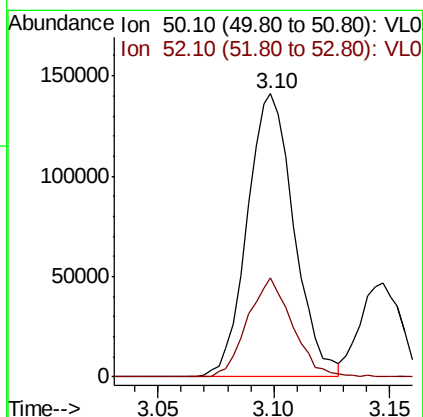
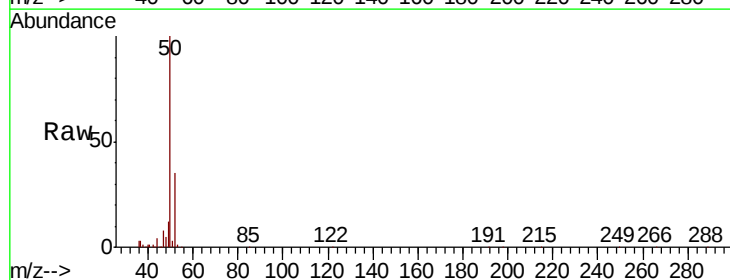
Instrument :
 MSVOA_L
 ClientSampleId :

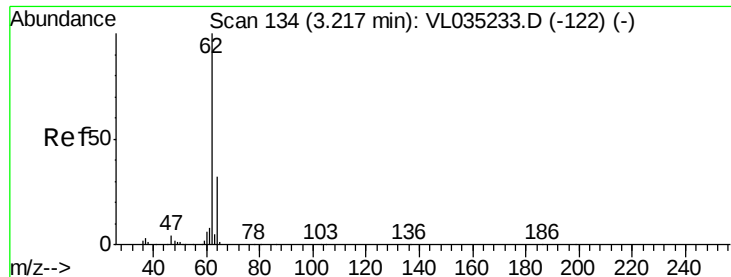
Tot Ion: 51 Resp: 353255
 Ion Ratio Lower Upper
 51 100
 67 19.7 16.6 25.0



#4
 Chloromethane
 Concen: 2.127 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion: 50 Resp: 196245
 Ion Ratio Lower Upper
 50 100
 52 35.1 27.1 40.7





#5

Vinyl Chloride

Concen: 2.030 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

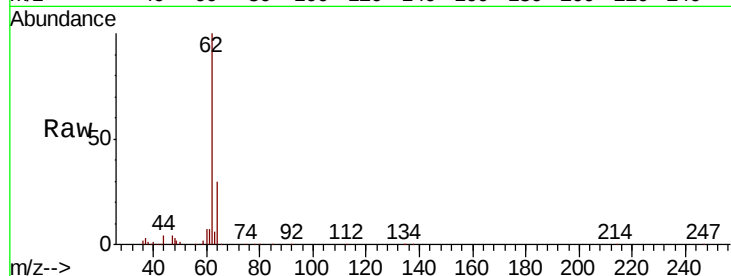
Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 200347

Ion	Ratio	Lower	Upper
62	100		
64	29.5	25.8	38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

150000

100000

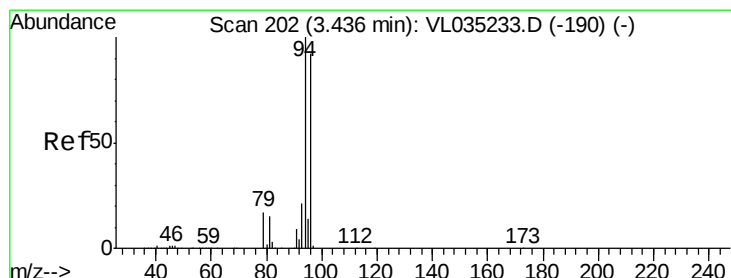
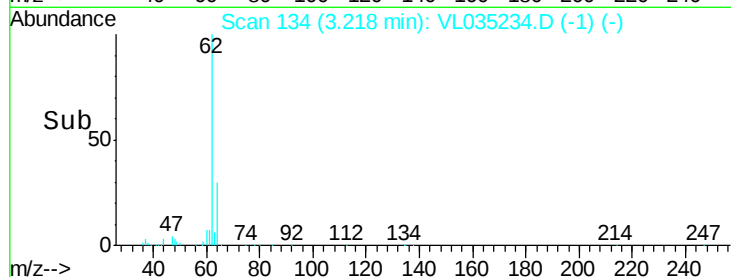
50000

0

Time-->

3.20

3.25



#6

Bromomethane

Concen: 2.195 ppbv

RT: 3.44 min Scan# 202

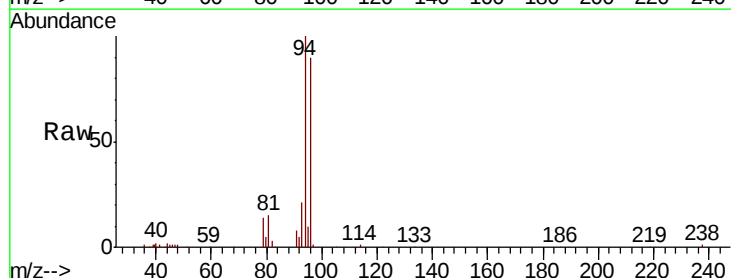
Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion: 94 Resp: 122968

Ion	Ratio	Lower	Upper
94	100		
96	89.8	73.2	109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

100000

80000

60000

40000

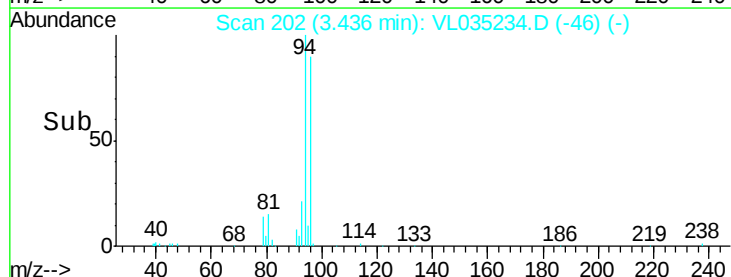
20000

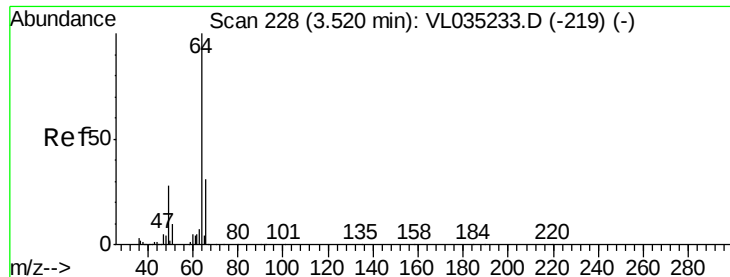
0

Time-->

3.40

3.45





#7

Chloroethane

Concen: 2.111 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

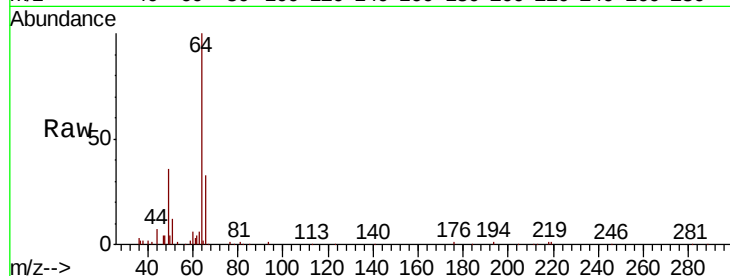
ClientSampleId :

Tot Ion: 64 Resp: 73704

Ion Ratio Lower Upper

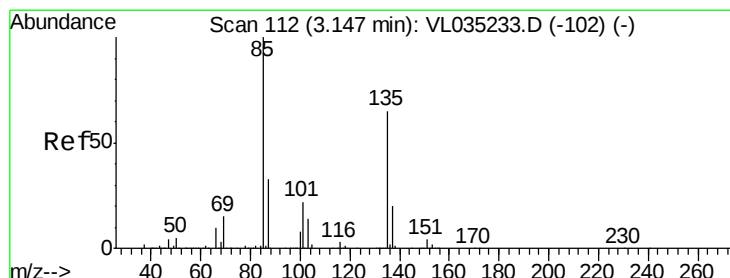
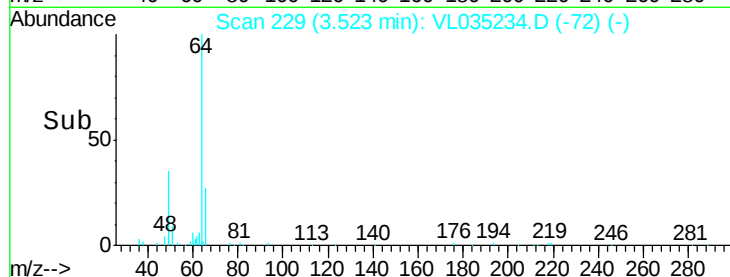
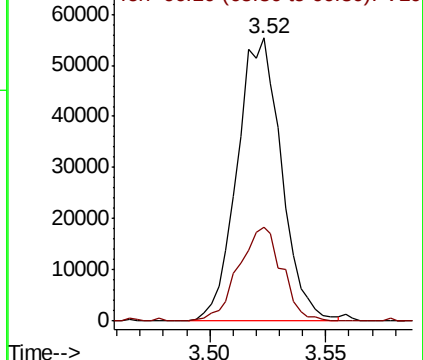
64 100

66 33.1 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.049 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035234.D

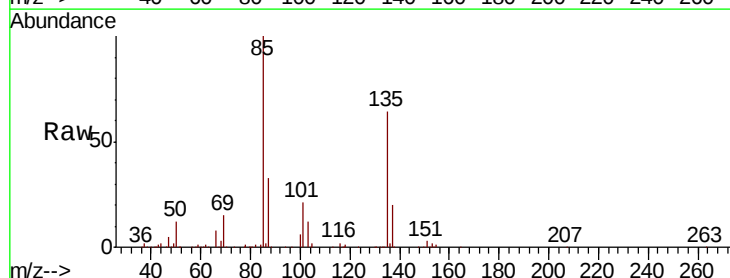
Acq: 29 Jul 2020 3:24

Tgt Ion: 85 Resp: 466500

Ion Ratio Lower Upper

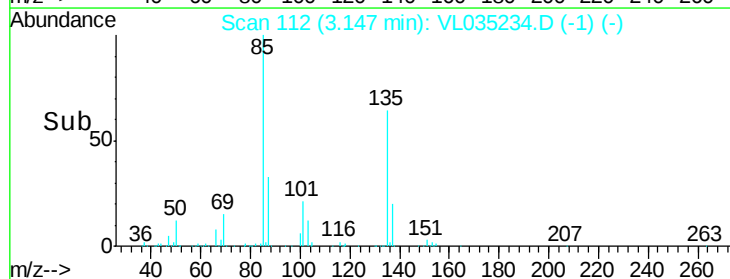
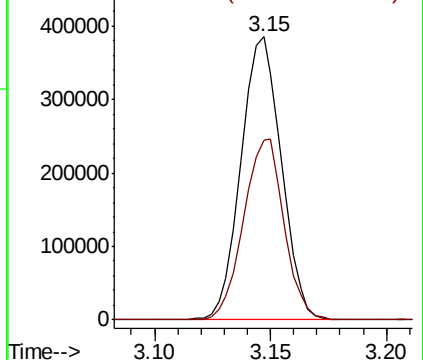
85 100

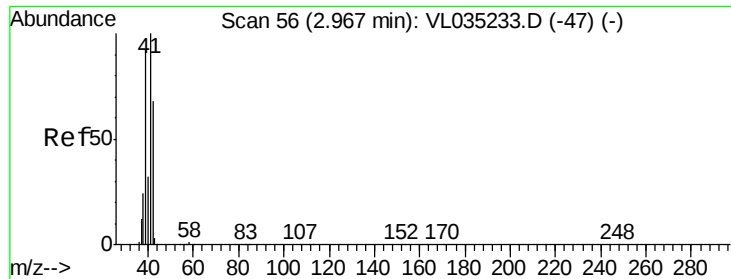
135 64.1 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.048 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

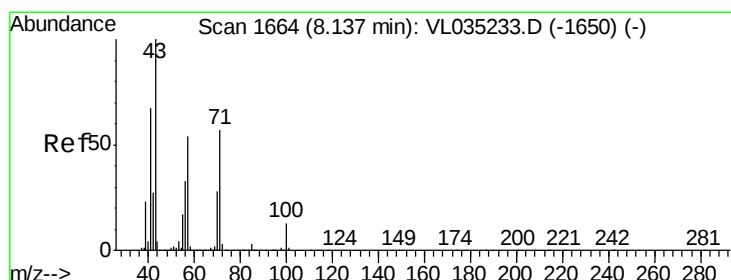
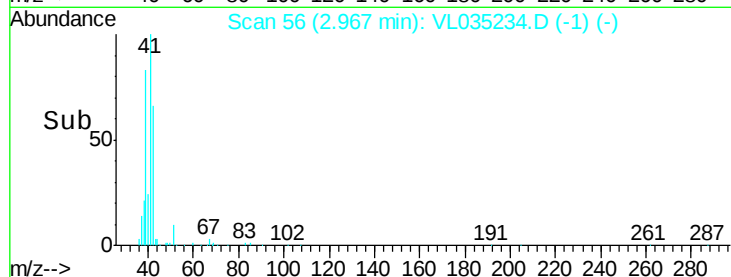
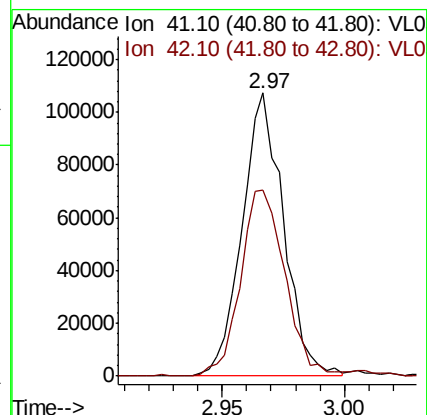
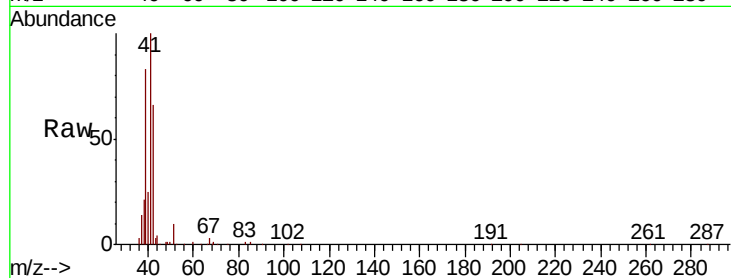
ClientSampleId :

Tot Ion: 41 Resp: 125342

Ion Ratio Lower Upper

41 100

42 72.8 55.0 82.6



#10

Heptane

Concen: 1.264 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035234.D

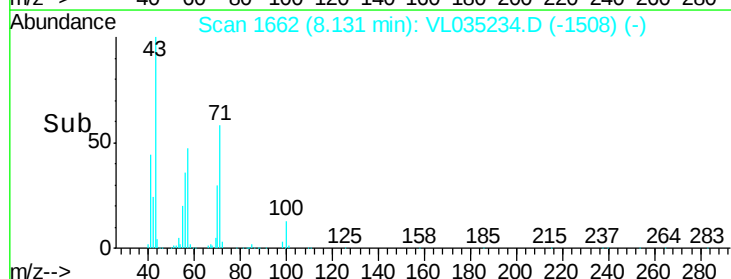
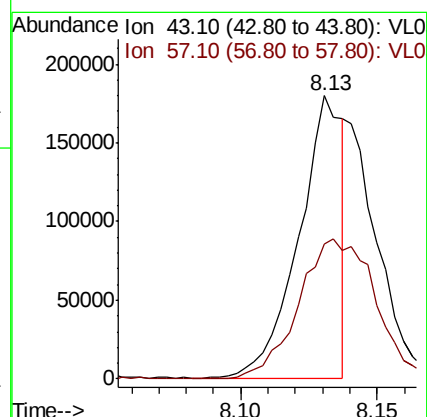
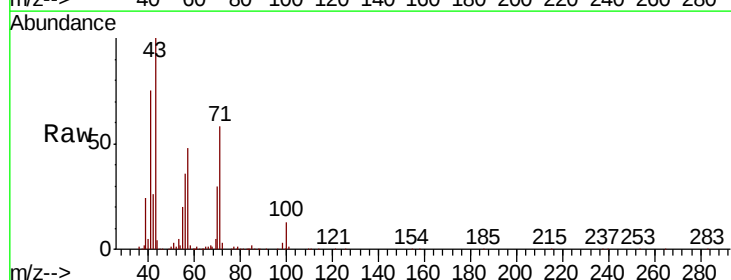
Acq: 29 Jul 2020 3:24

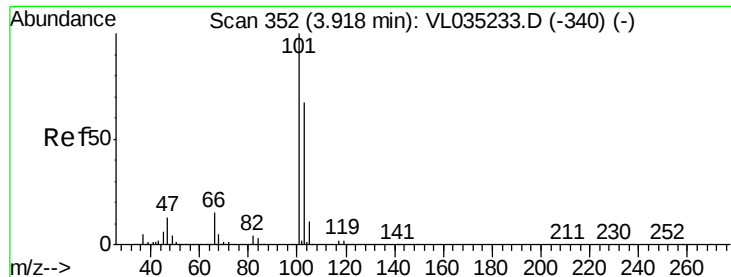
Tgt Ion: 43 Resp: 200999

Ion Ratio Lower Upper

43 100

57 86.0 43.0 64.4#





#11

Trichlorofluoromethane

Concen: 2.128 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

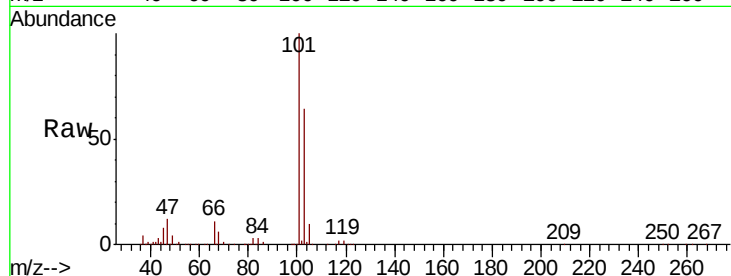
ClientSampleId :

Tot Ion:101 Resp: 500459

Ion Ratio Lower Upper

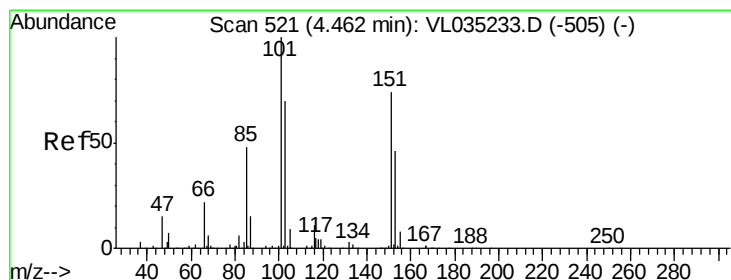
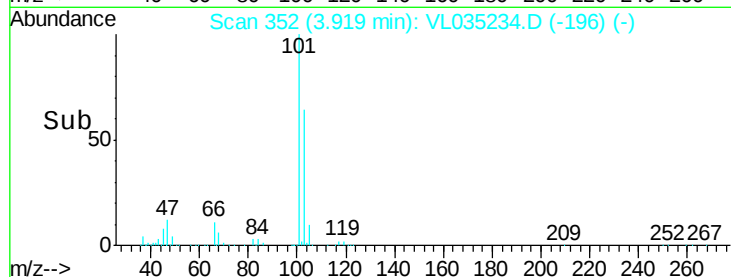
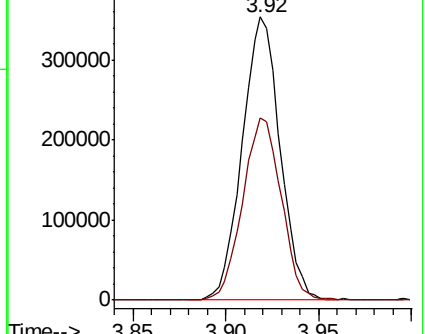
101 100

103 64.3 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: 2.150 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL035234.D

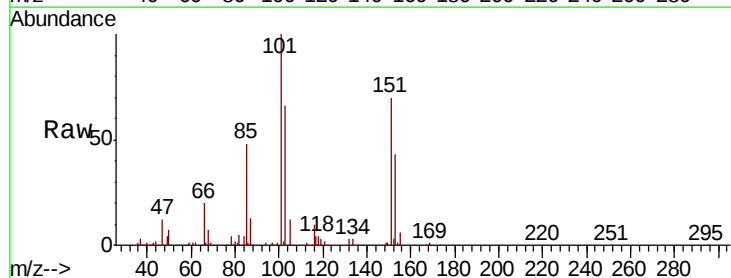
Acq: 29 Jul 2020 3:24

Tgt Ion:101 Resp: 355250

Ion Ratio Lower Upper

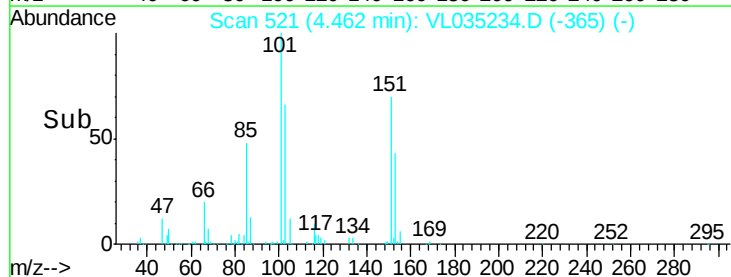
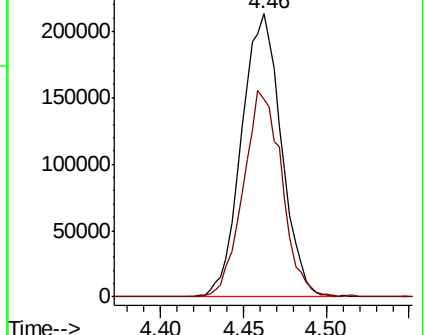
101 100

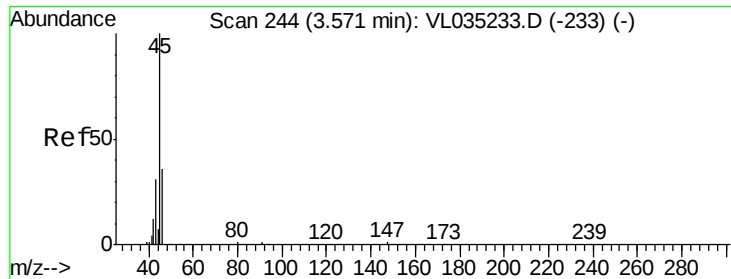
151 70.8 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 1.832 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

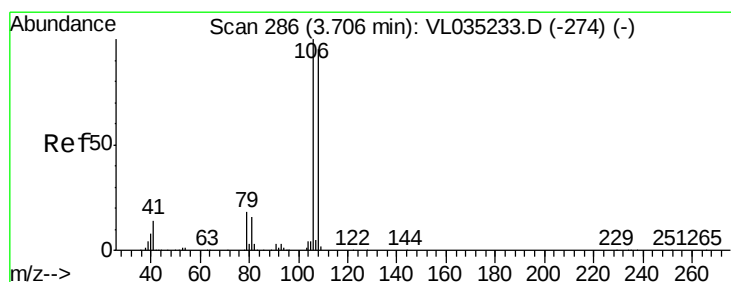
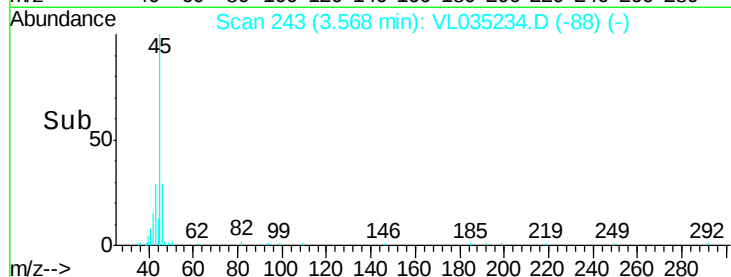
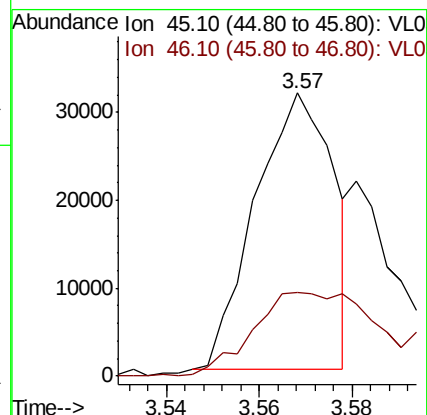
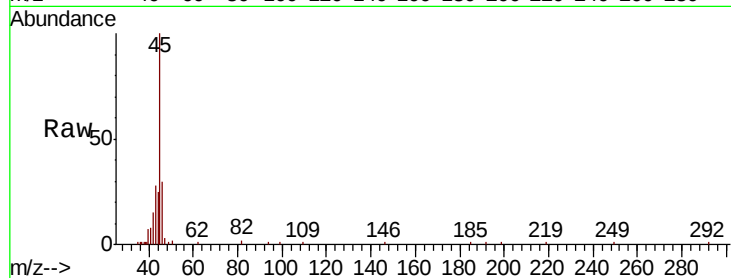
ClientSampleId :

Tot Ion: 45 Resp: 36815

Ion Ratio Lower Upper

45 100

46 56.0 15.8 63.4



#14

Bromoethene

Concen: 2.179 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

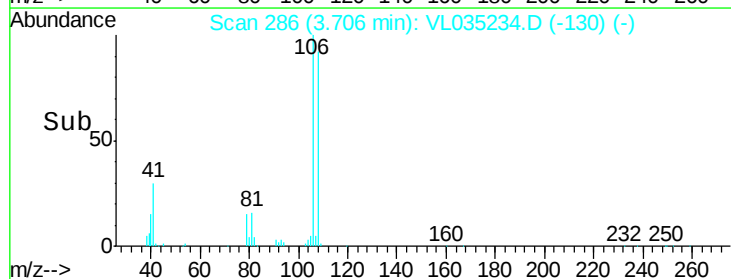
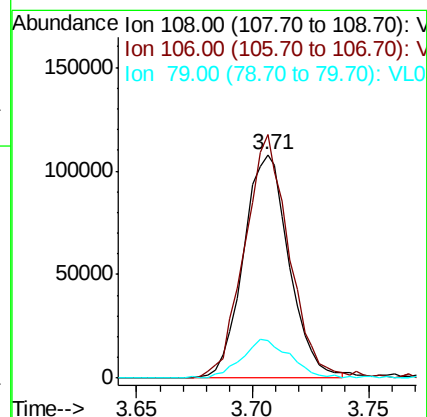
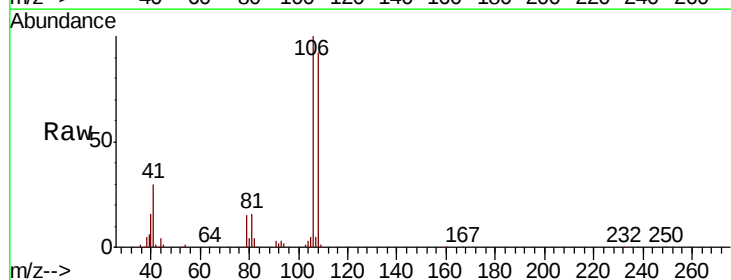
Tgt Ion: 108 Resp: 147879

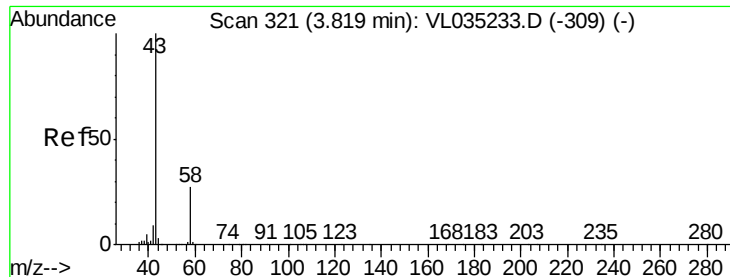
Ion Ratio Lower Upper

108 100

106 107.2 85.0 127.6

79 18.9 15.4 23.2





#15

Acetone

Concen: 2.167 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

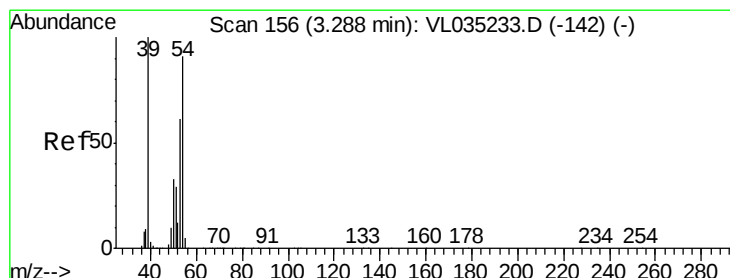
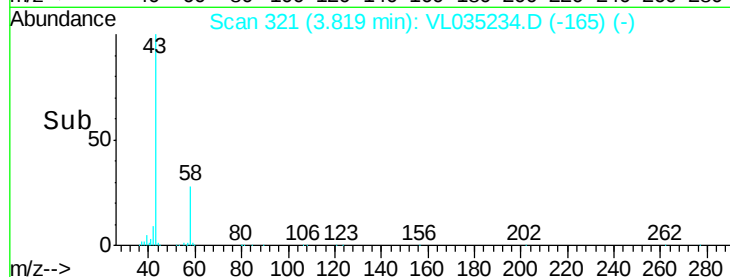
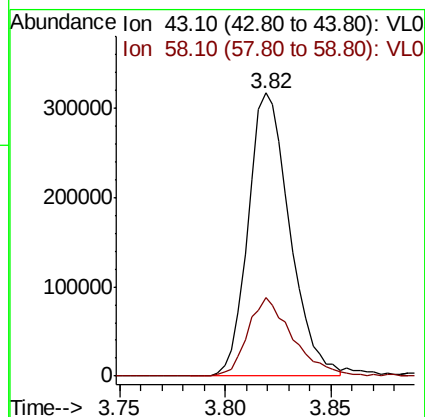
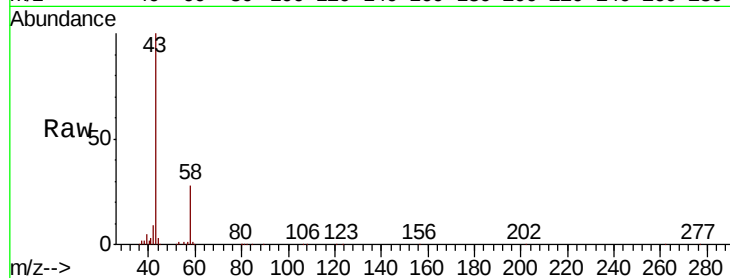
ClientSampleId :

Tot Ion: 43 Resp: 434747

Ion Ratio Lower Upper

43 100

58 30.5 21.8 32.6



#16

1,3-Butadiene

Concen: 2.185 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035234.D

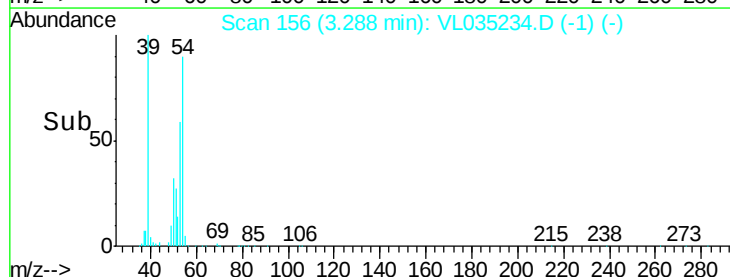
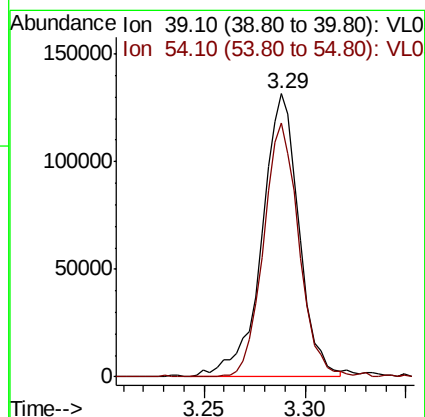
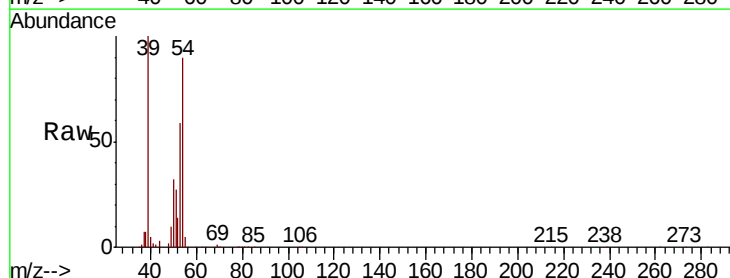
Acq: 29 Jul 2020 3:24

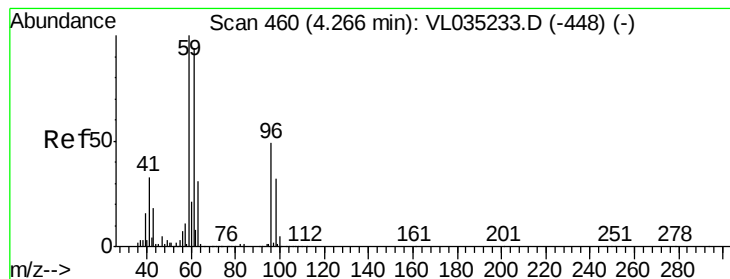
Tgt Ion: 39 Resp: 167946

Ion Ratio Lower Upper

39 100

54 86.8 68.2 102.2





#17

tert-Butyl alcohol

Concen: 2.229 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

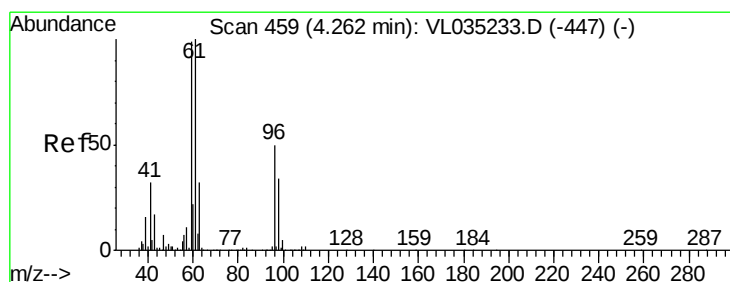
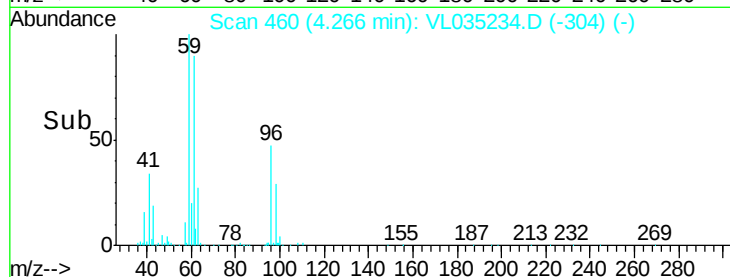
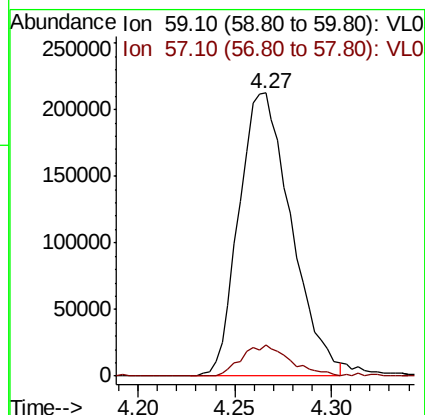
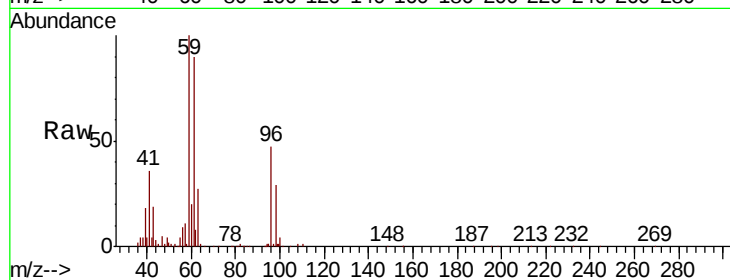
ClientSampleId :

Tot Ion: 59 Resp: 399311

Ion Ratio Lower Upper

59 100

57 10.7 8.6 12.8



#18

1,1-Dichloroethene

Concen: 2.174 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

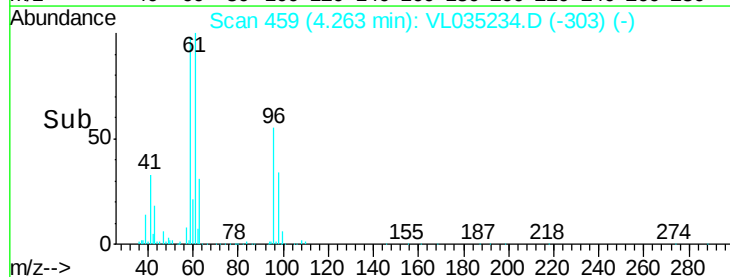
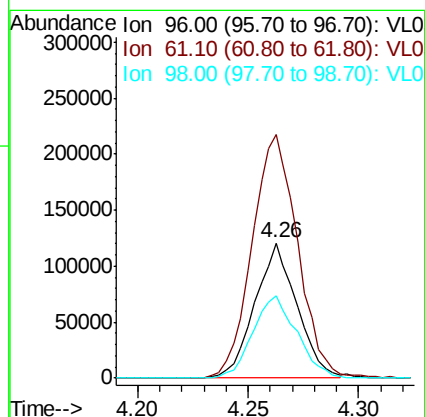
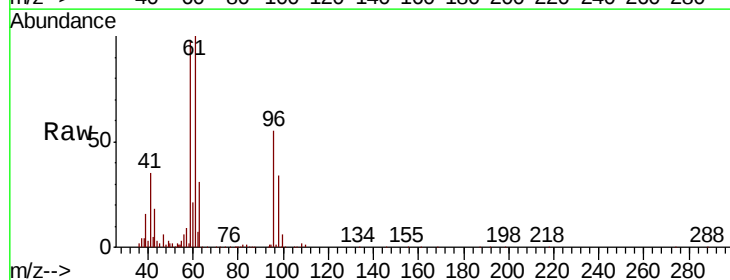
Tgt Ion: 96 Resp: 159219

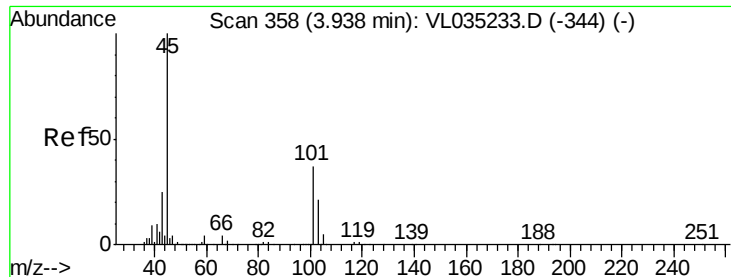
Ion Ratio Lower Upper

96 100

61 180.3 159.4 239.2

98 61.2 53.9 80.9





#19

Isopropyl Alcohol

Concen: 2.312 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

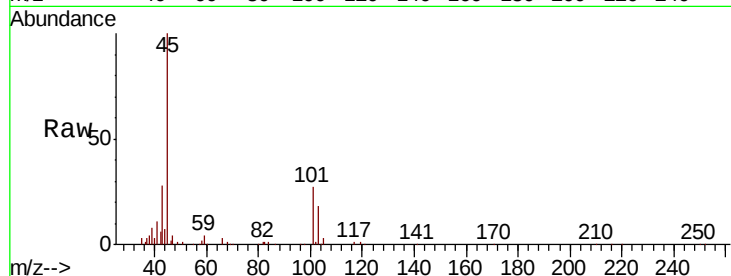
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 45 Resp: 282750

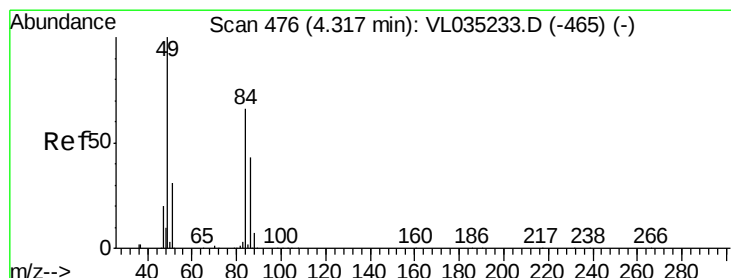
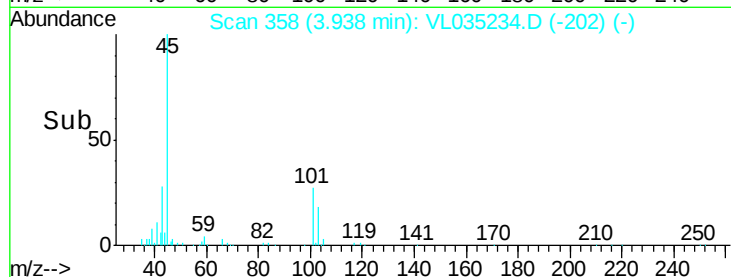
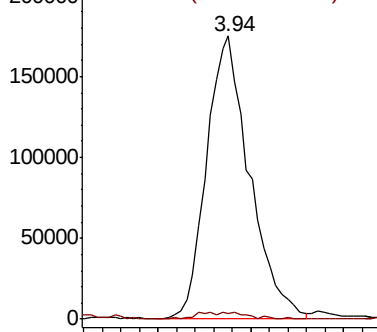
Ion Ratio Lower Upper

45 100

58 2.8 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: 2.347 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion: 84 Resp: 205856

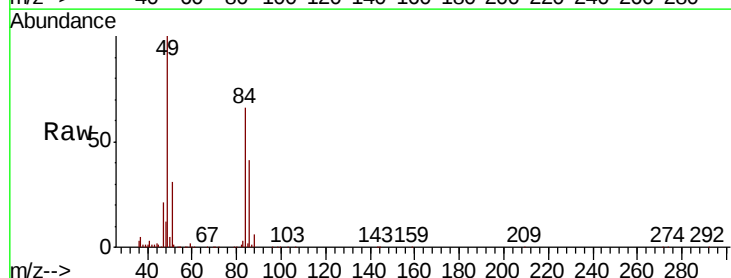
Ion Ratio Lower Upper

84 100

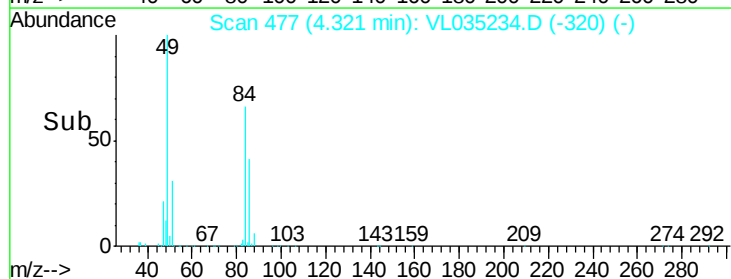
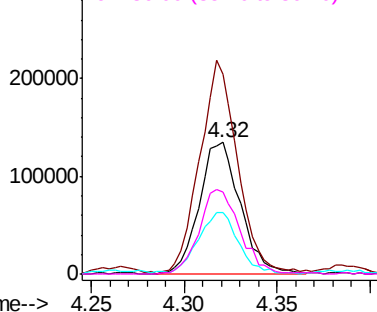
49 150.9 121.0 181.4

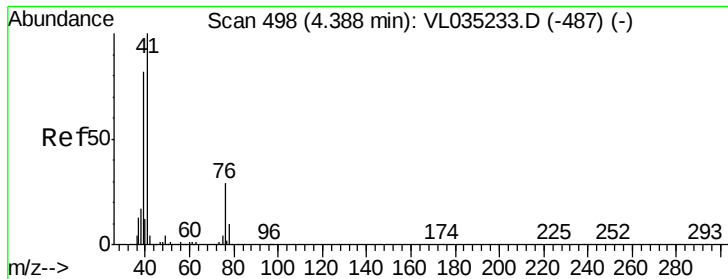
51 46.5 37.7 56.5

86 62.6 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: 2.107 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

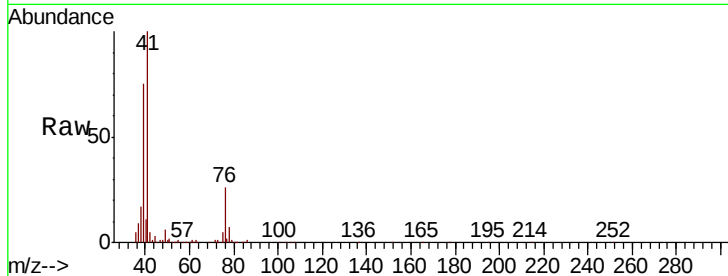
Tot Ion: 41 Resp: 246187

Ion Ratio Lower Upper

41 100

76 28.1 24.4 36.6

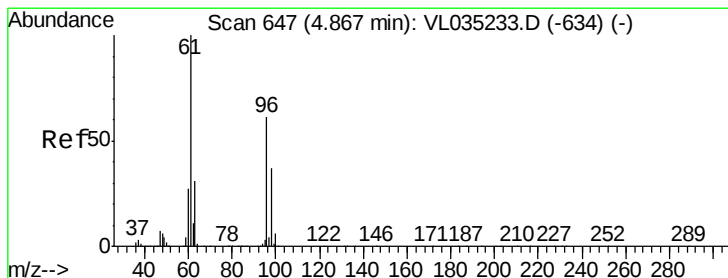
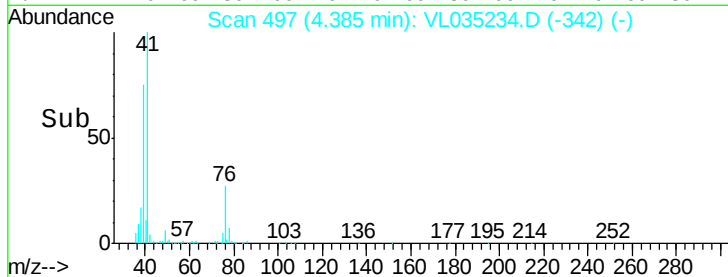
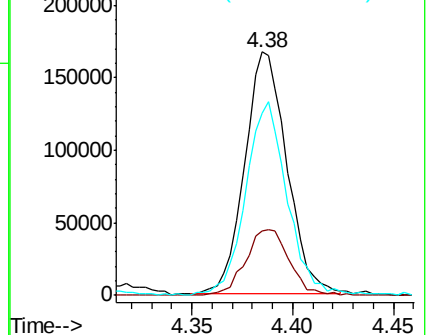
39 77.7 63.8 95.8



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: 2.082 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

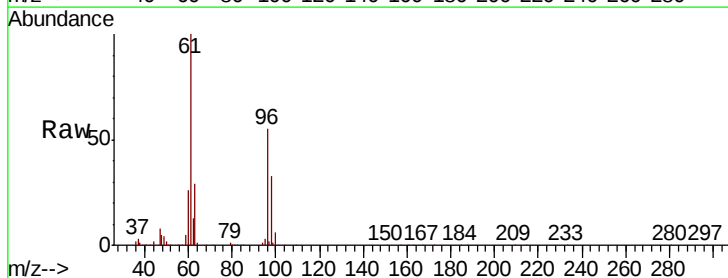
Tgt Ion: 96 Resp: 151419

Ion Ratio Lower Upper

96 100

61 182.7 131.6 197.4

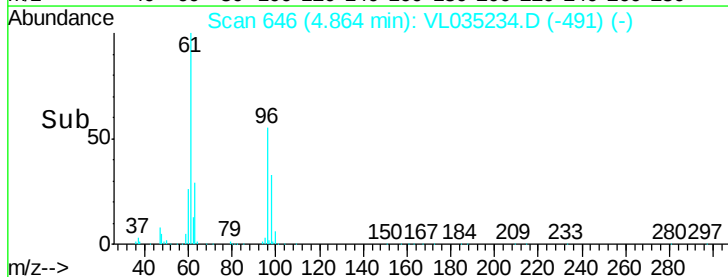
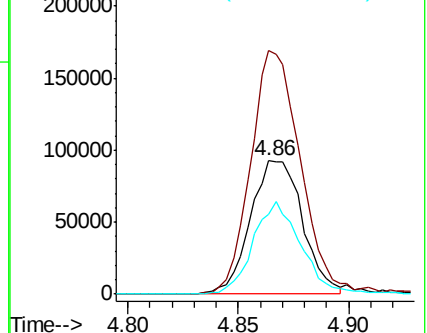
98 60.1 49.0 73.4

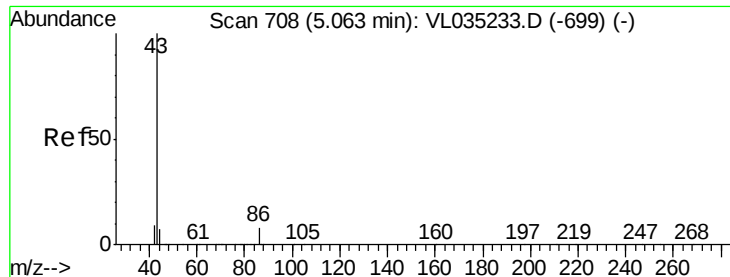


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 1.959 ppbv

RT: 5.05 min Scan# 705

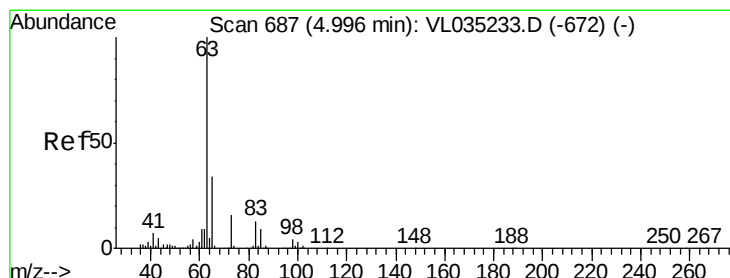
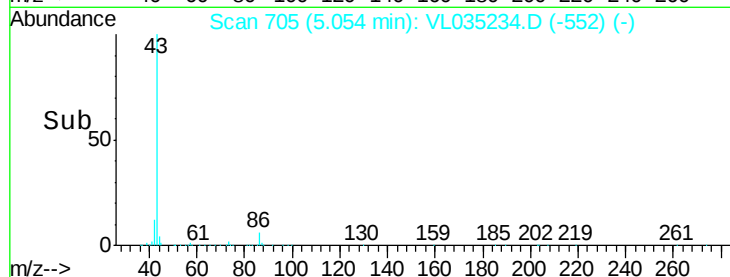
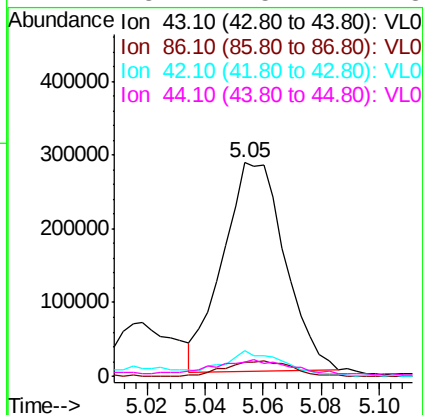
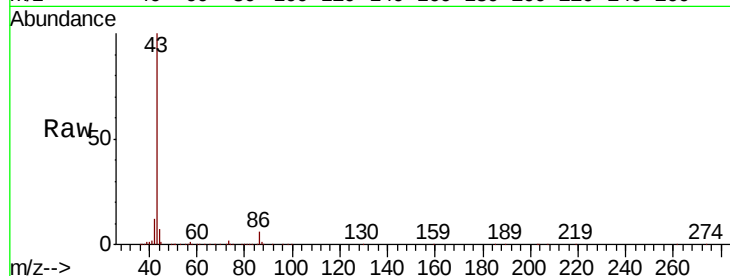
Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	420185
Ion	Ratio	Lower	Upper
43	100		
86	6.1	6.2	9.2#
42	11.2	8.0	12.0
44	5.7	5.2	7.8



#24

1,1-Dichloroethane

Concen: 2.156 ppbv

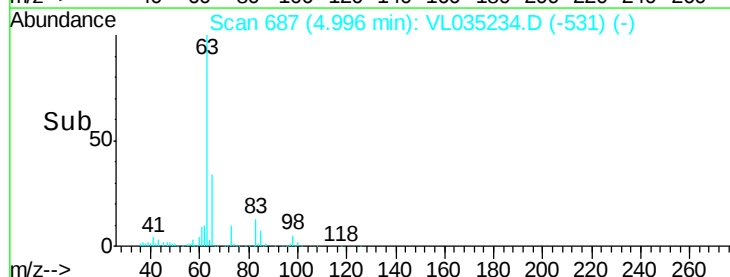
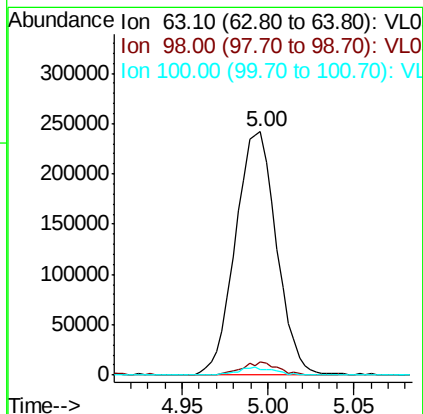
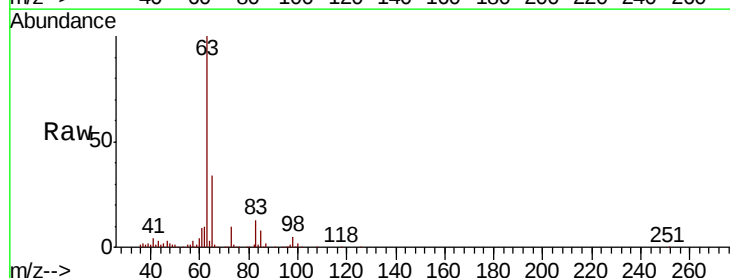
RT: 5.00 min Scan# 687

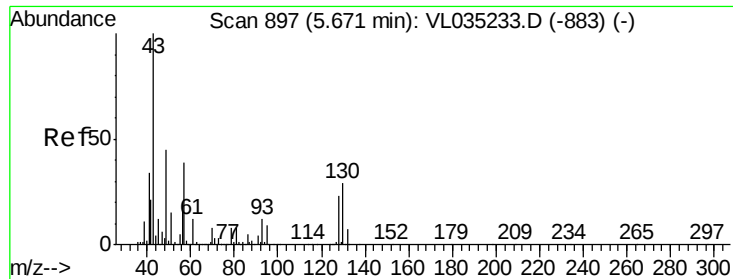
Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion:	63	Resp:	401550
Ion	Ratio	Lower	Upper
63	100		
98	5.2	1.9	5.7
100	2.4	1.4	4.2

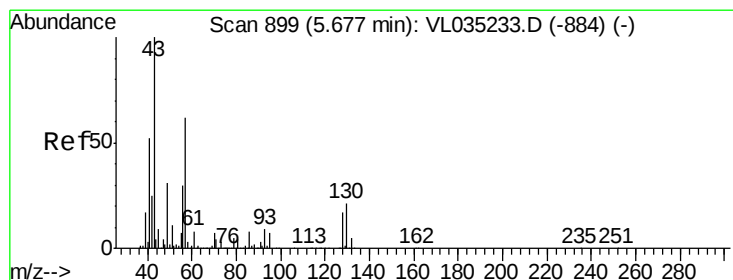
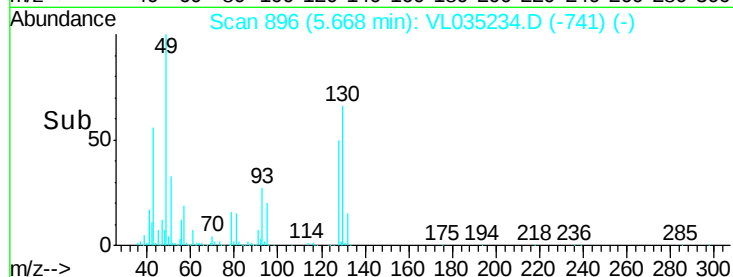
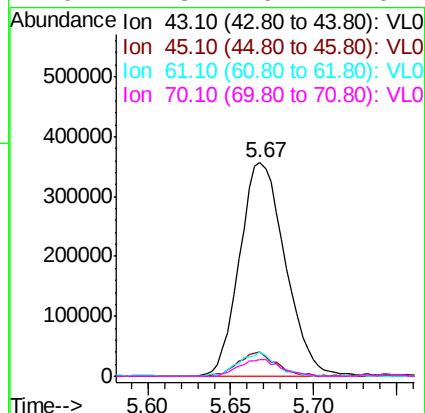
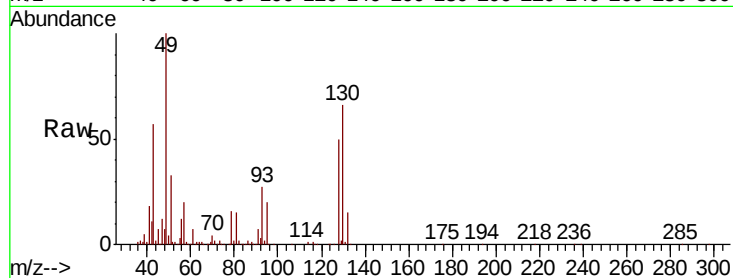




#25
Ethyl Acetate
Concen: 2.192 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

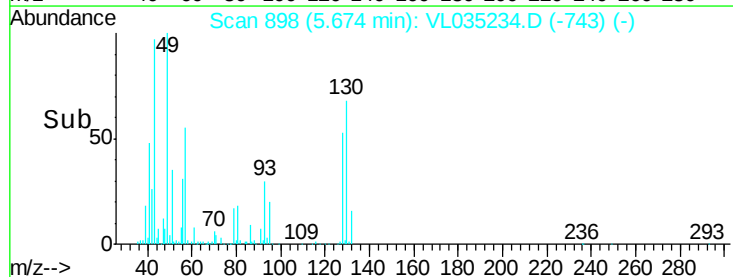
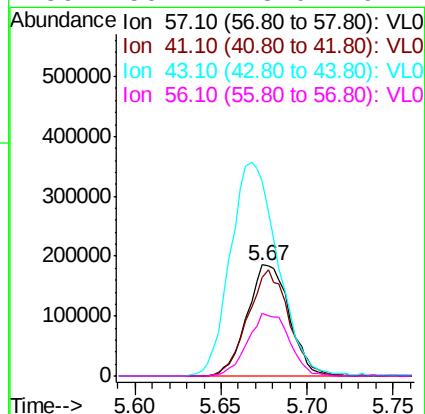
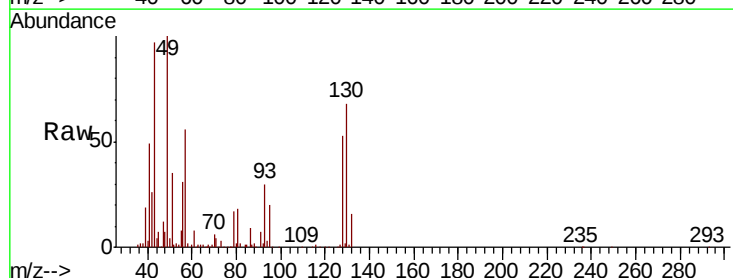
Instrument :
MSVOA_L
ClientSampleId :

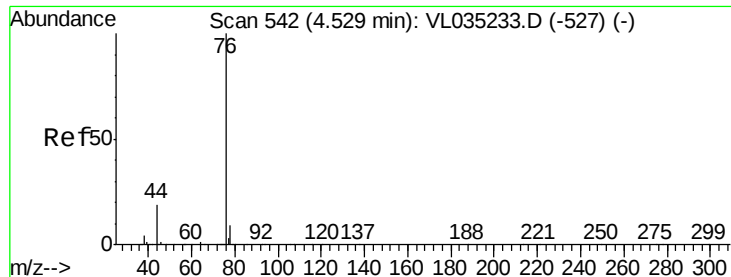
Tot Ion:	43	Resp:	681396
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.5	12.7
61	9.3	8.1	12.1
70	7.3	6.2	9.4



#26
Hexane
Concen: 2.290 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion:	57	Resp:	314503
Ion	Ratio	Lower	Upper
57	100		
41	94.9	73.9	110.9
43	220.2	177.6	266.4
56	56.1	43.0	64.4

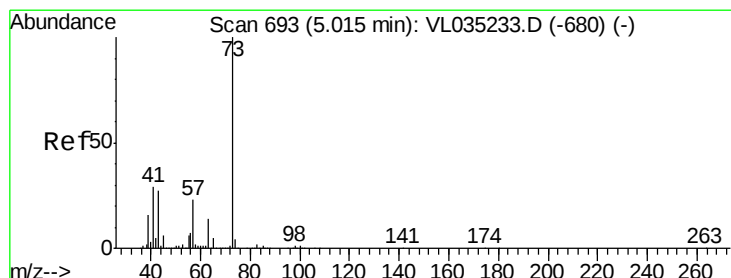
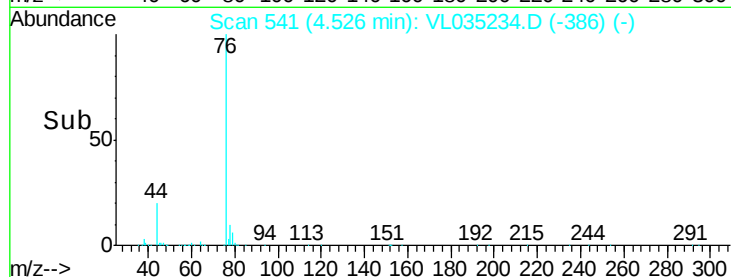
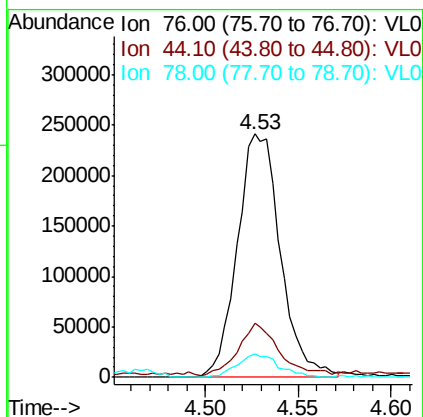
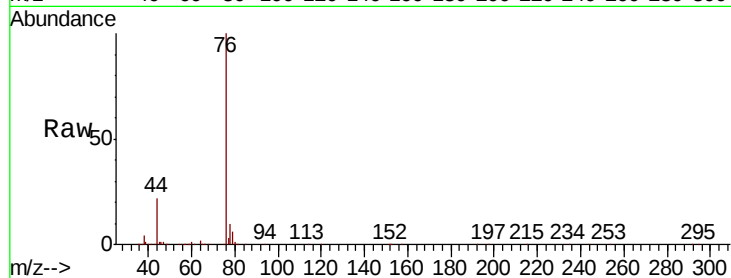




#27
Carbon Disulfide
Concen: 2.041 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

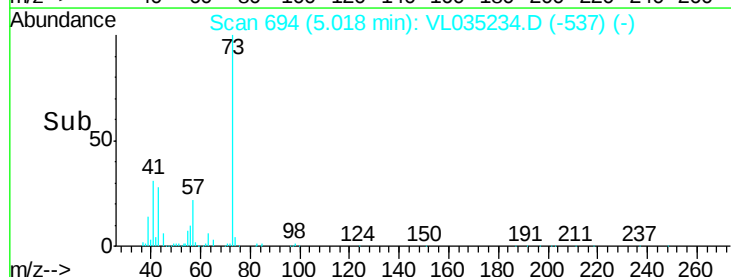
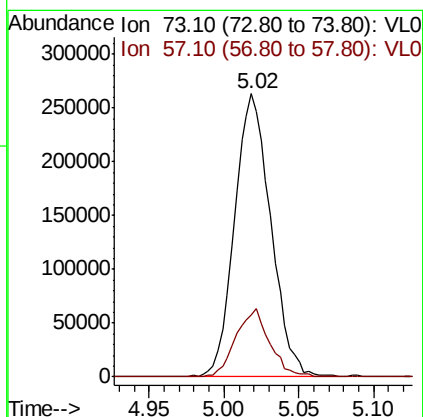
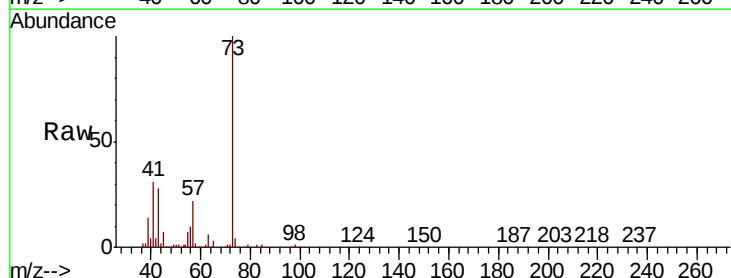
Instrument :
MSVOA_L
ClientSampleId :

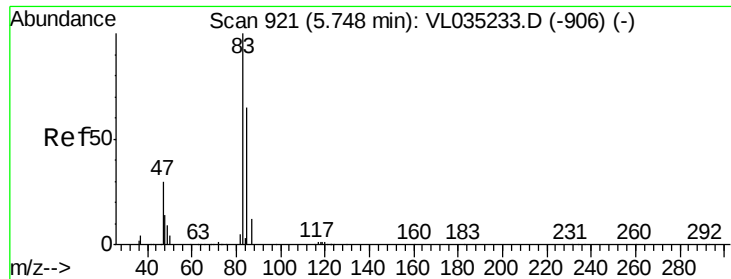
Tot Ion: 76 Resp: 389763
Ion Ratio Lower Upper
76 100
44 19.2 14.7 22.1
78 9.5 7.6 11.4



#28
Methyl tert-Butyl Ether
Concen: 2.125 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion: 73 Resp: 442983
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4





#29

Chloroform

Concen: 2.142 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

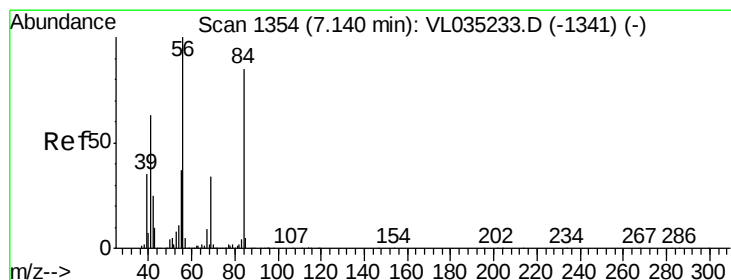
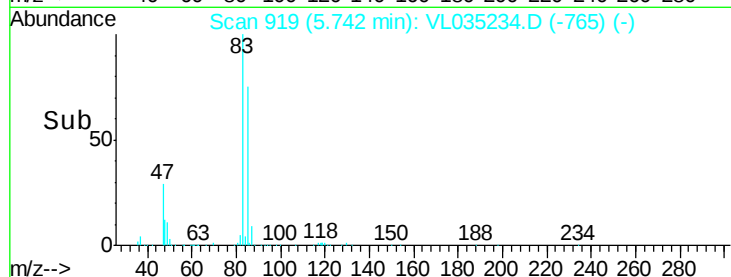
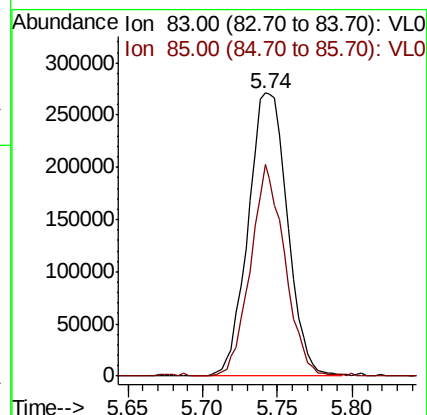
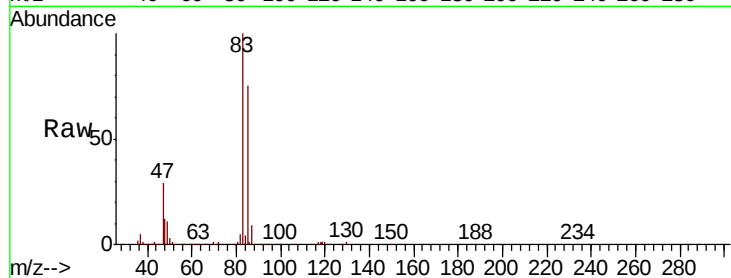
ClientSampleId :

Tot Ion: 83 Resp: 494343

Ion Ratio Lower Upper

83 100

85 74.8 51.7 77.5



#30

Cyclohexane

Concen: 2.132 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

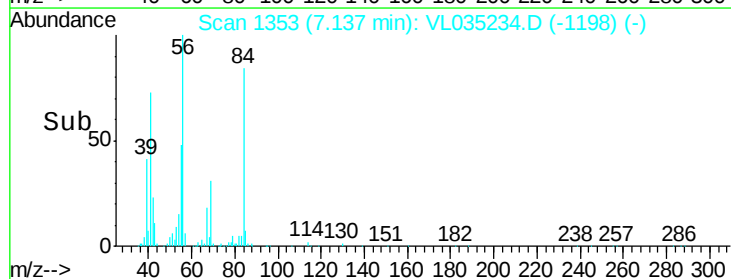
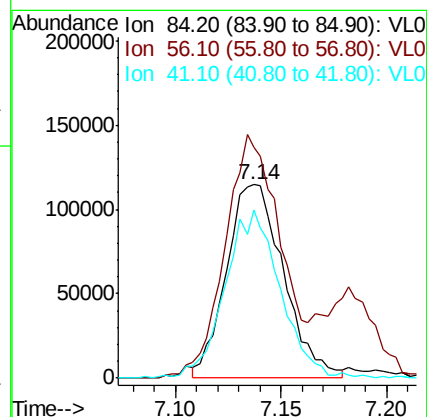
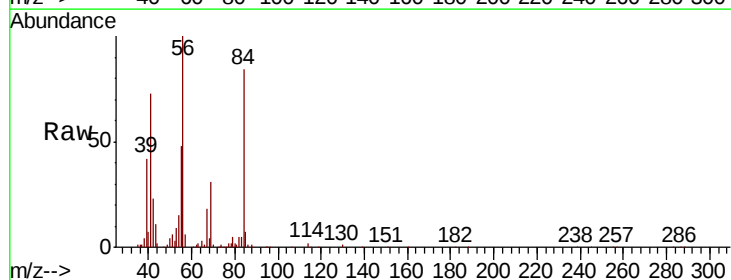
Tgt Ion: 84 Resp: 216269

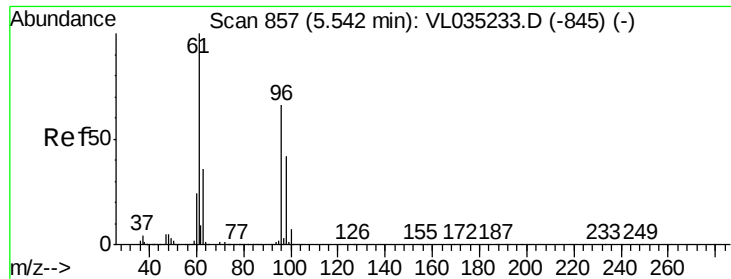
Ion Ratio Lower Upper

84 100

56 165.3 104.2 156.2#

41 84.1 63.7 95.5



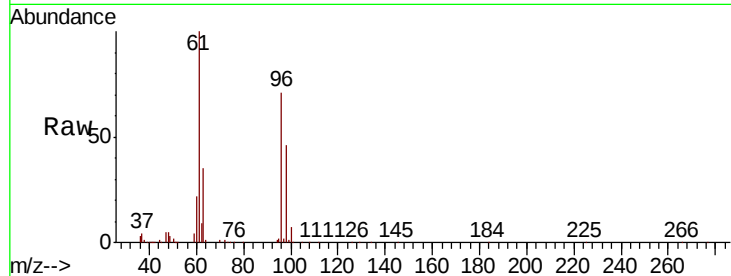


#31

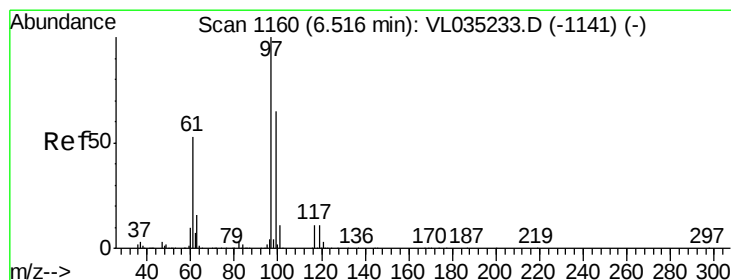
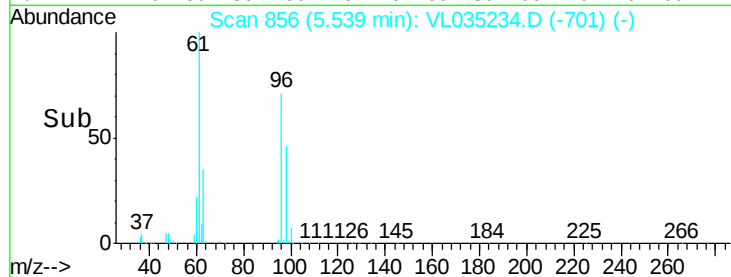
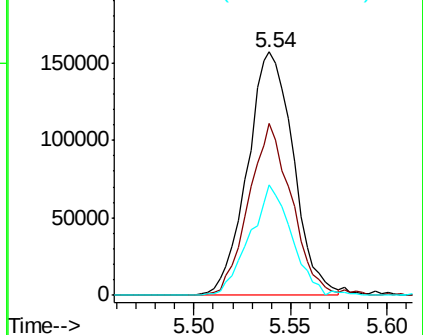
cis-1,2-Dichloroethene
 Concen: 1.999 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.7	52.6	78.8
98	45.2	33.7	50.5



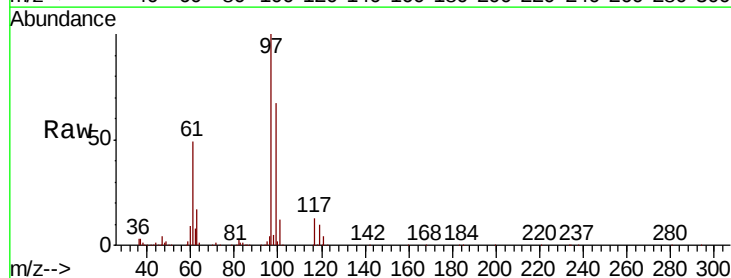
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



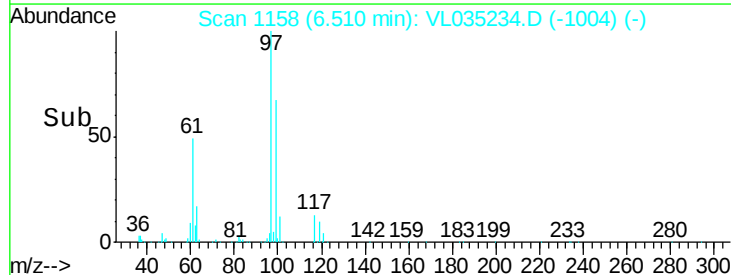
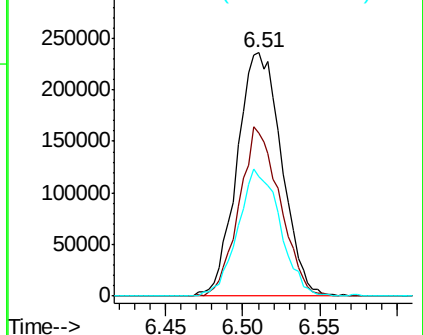
#32

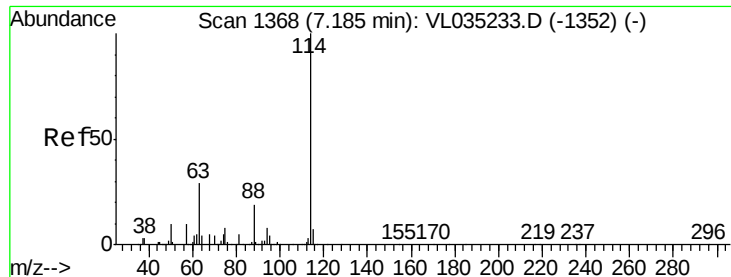
1,1,1-Trichloroethane
 Concen: 2.043 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	49.6	40.4	60.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

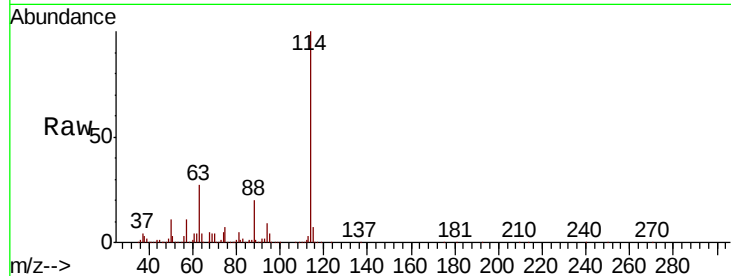




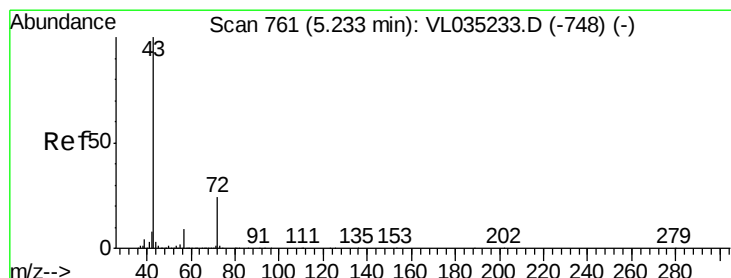
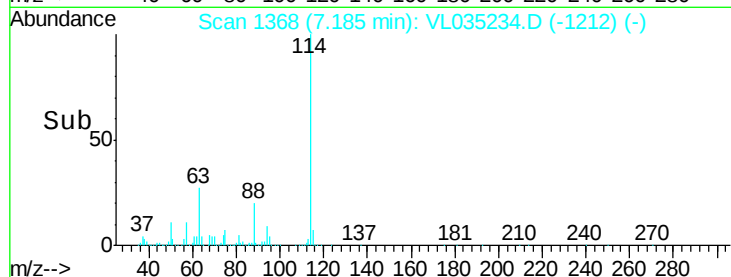
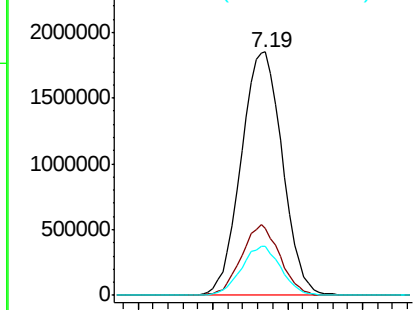
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 3551526
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.2 33.2
 88 19.5 15.4 23.0

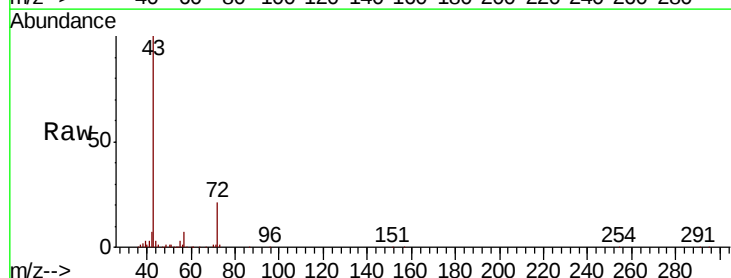


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

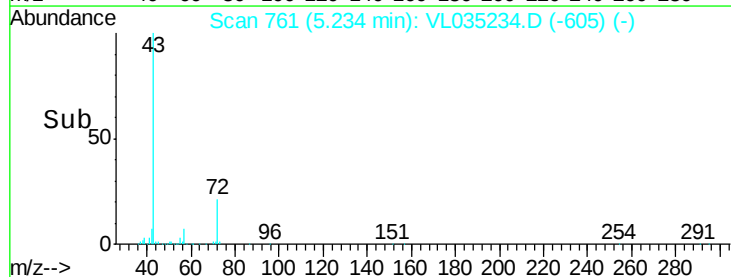
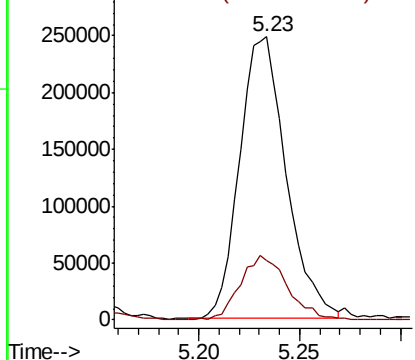


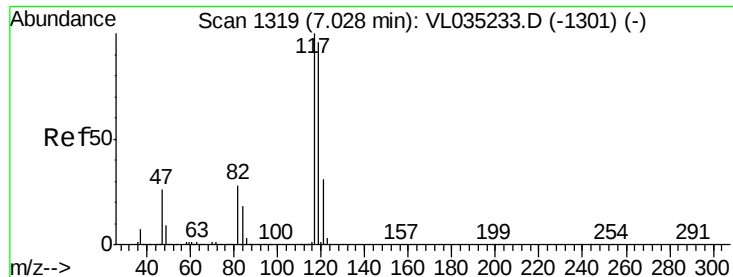
#34
 2-Butanone
 Concen: 2.113 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion: 43 Resp: 400275
 Ion Ratio Lower Upper
 43 100
 72 23.3 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: 2.064 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

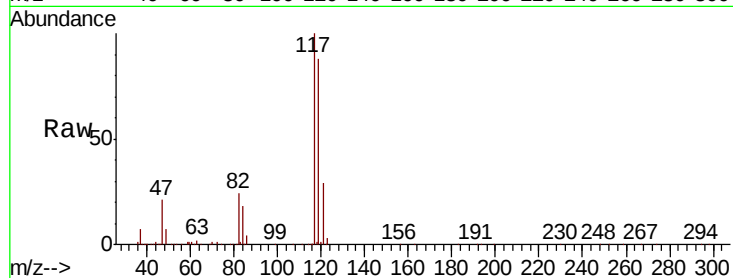
Tot Ion:117 Resp: 478841

Ion Ratio Lower Upper

117 100

119 87.8 76.8 115.2

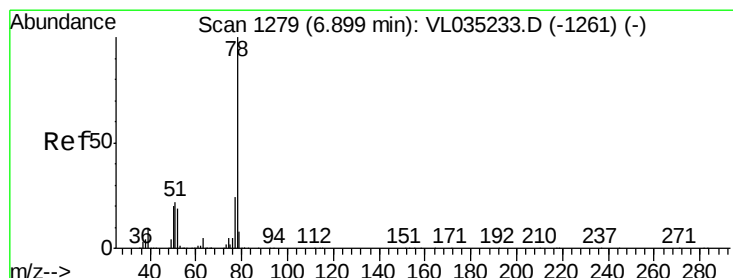
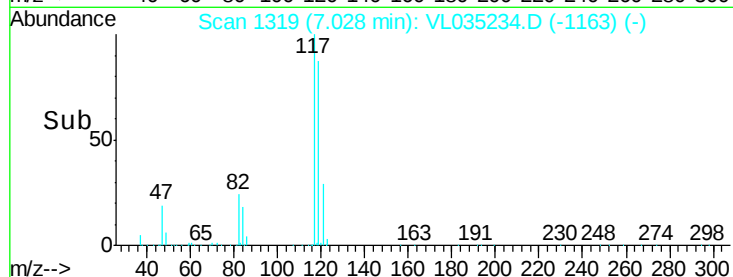
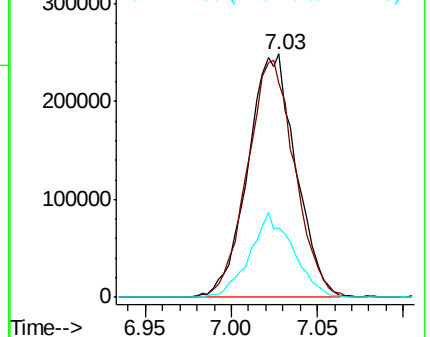
121 28.6 24.5 36.7



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: 2.103 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

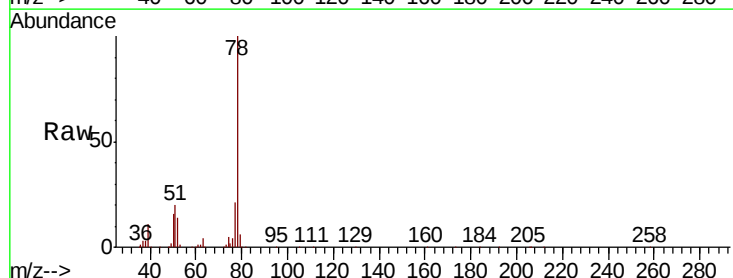
Tgt Ion: 78 Resp: 541112

Ion Ratio Lower Upper

78 100

77 21.2 18.9 28.3

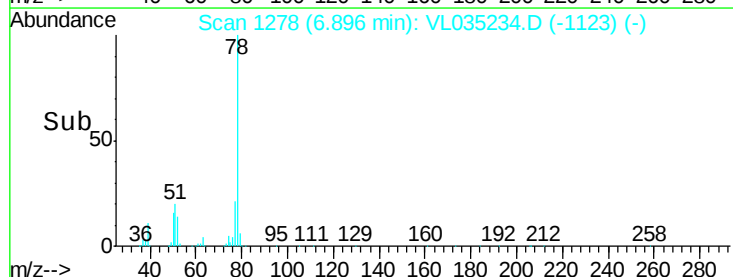
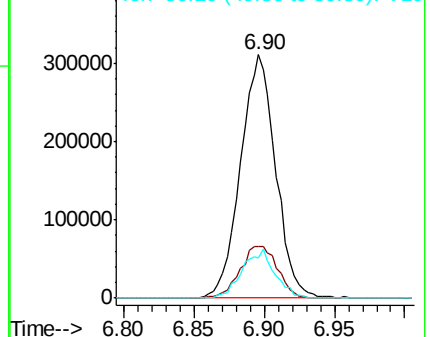
50 16.3 16.1 24.1

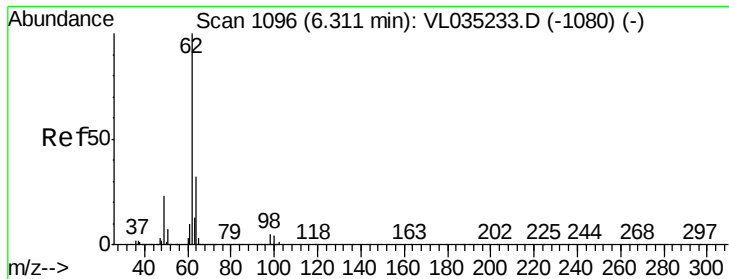


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

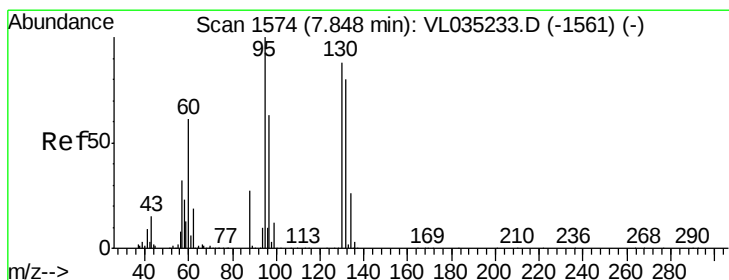
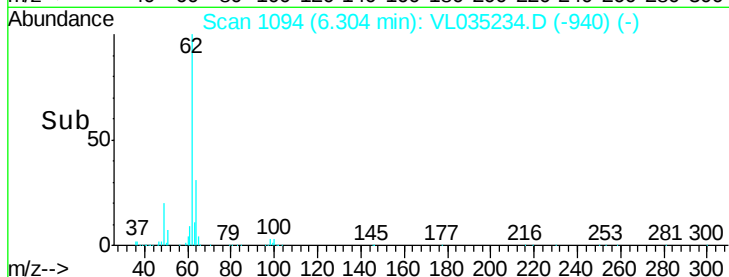
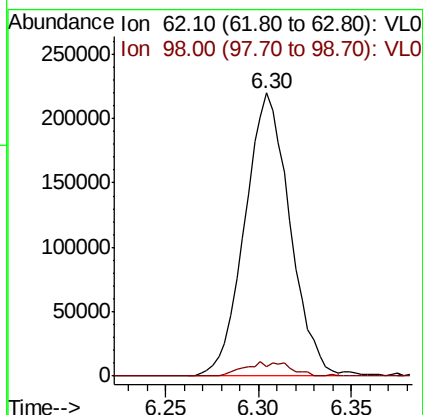
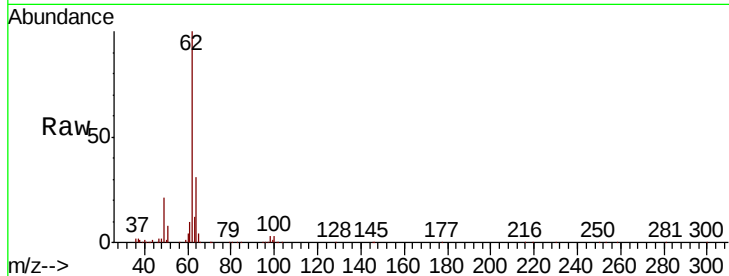




#37
 1,2-Dichloroethane
 Concen: 2.146 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

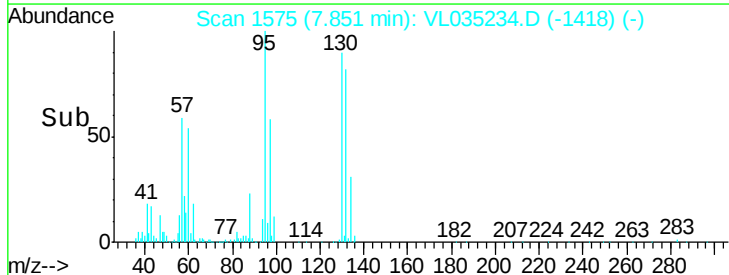
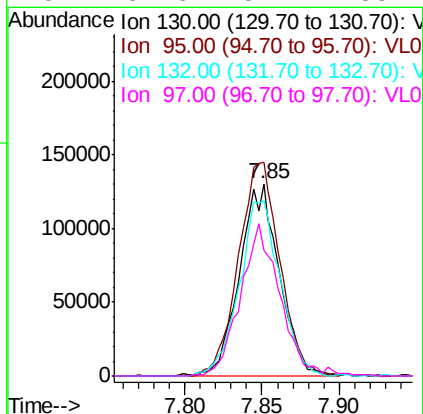
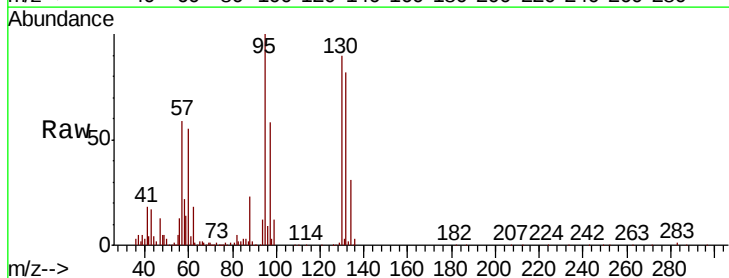
Instrument :
 MSVOA_L
 ClientSampleId :

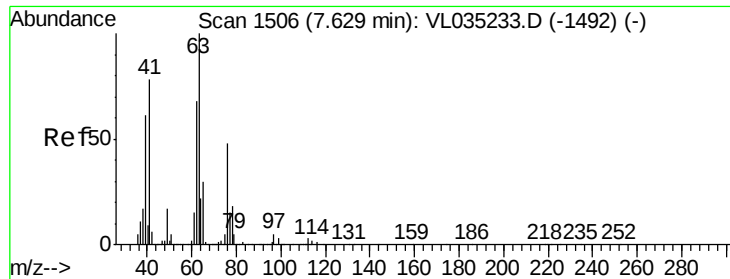
Tot Ion: 62 Resp: 372878
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.5 6.7



#38
 Trichloroethene
 Concen: 2.205 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion: 130 Resp: 232587
 Ion Ratio Lower Upper
 130 100
 95 110.6 90.7 136.1
 132 91.1 72.9 109.3
 97 64.6 57.1 85.7





#39

1,2-Dichloropropane

Concen: 2.112 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

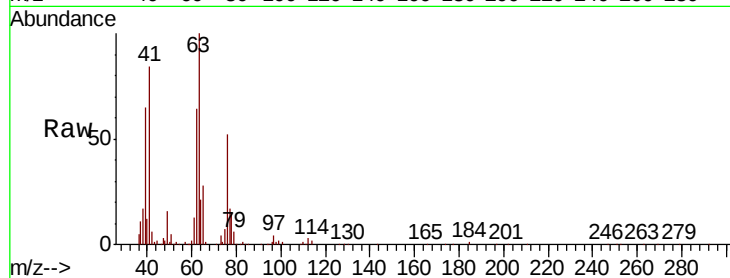
Tot Ion: 63 Resp: 217423

Ion Ratio Lower Upper

63 100

41 83.7 62.2 93.4

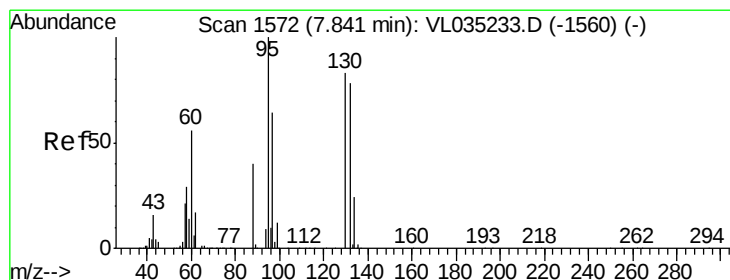
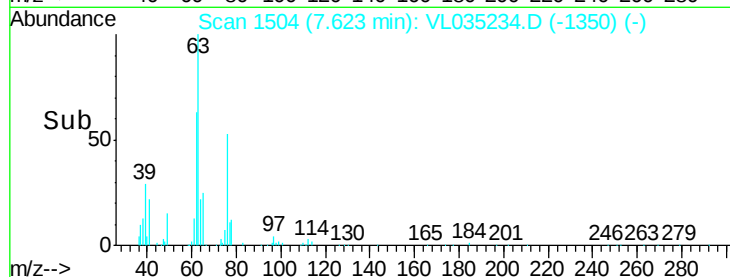
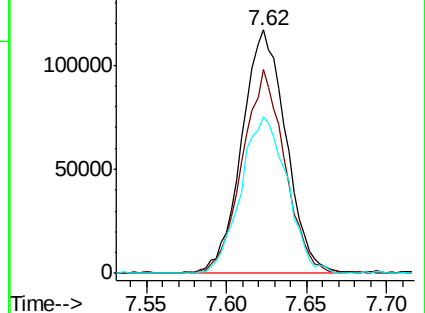
62 64.4 54.2 81.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 1.816 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.02 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion: 88 Resp: 74531

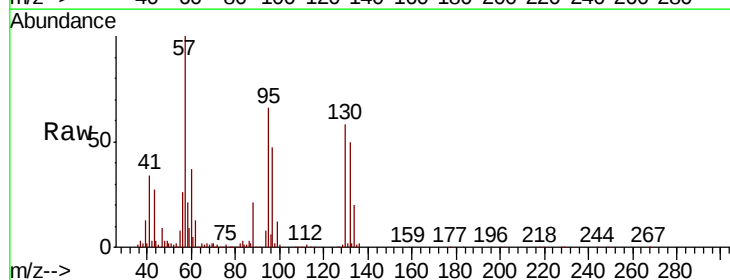
Ion Ratio Lower Upper

88 100

58 0.0 99.3 148.9#

43 0.0 195.6 293.4#

57 0.0 854.3 1281.5#

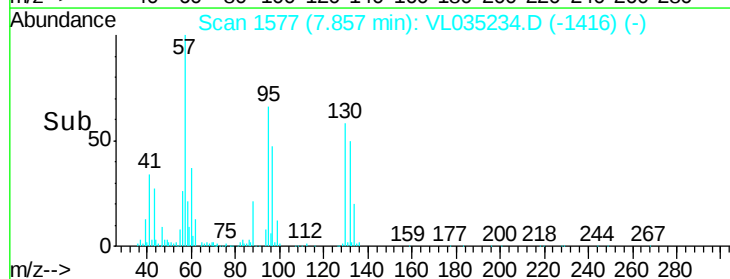
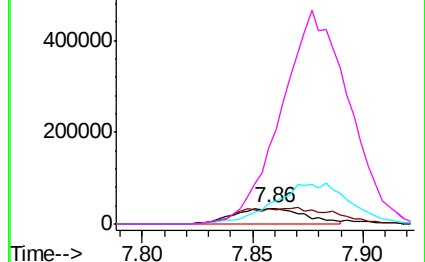


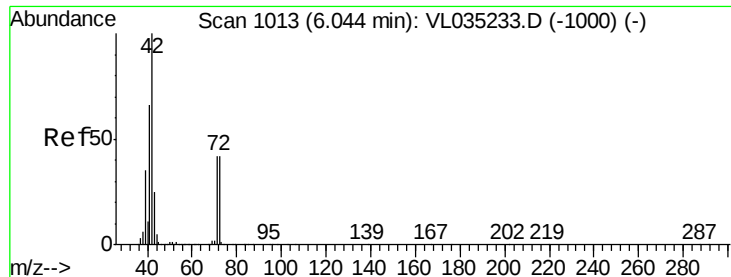
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 2.144 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampled :

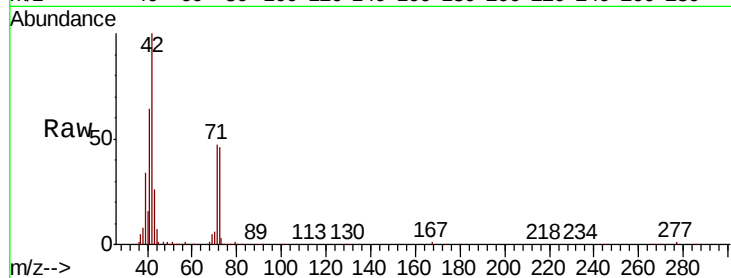
Tot Ion: 42 Resp: 202076

Ion Ratio Lower Upper

42 100

72 39.6 34.2 51.2

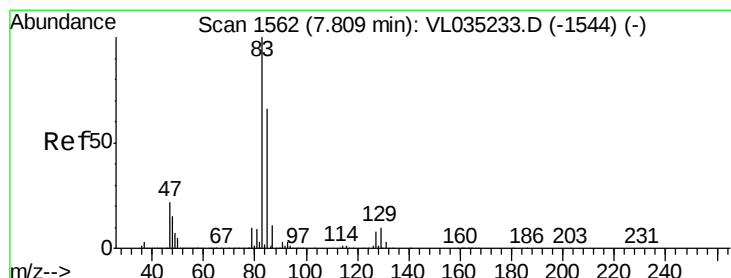
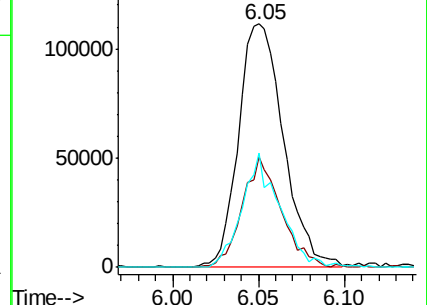
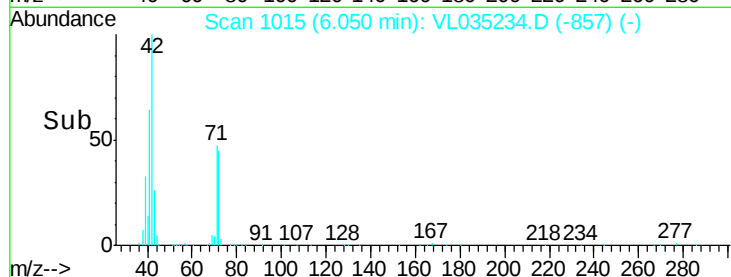
71 39.7 33.2 49.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 2.120 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

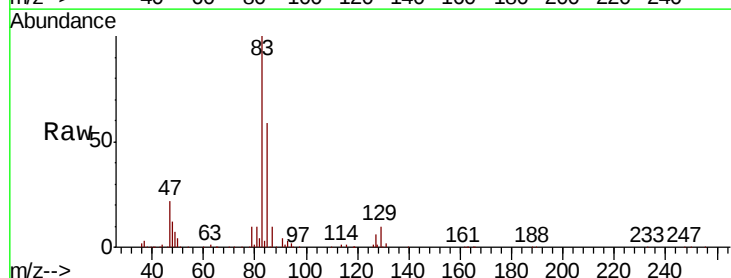
Tgt Ion: 83 Resp: 491865

Ion Ratio Lower Upper

83 100

85 59.3 52.9 79.3

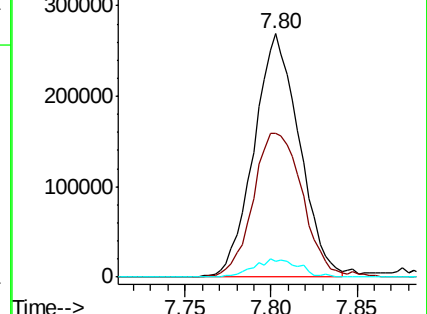
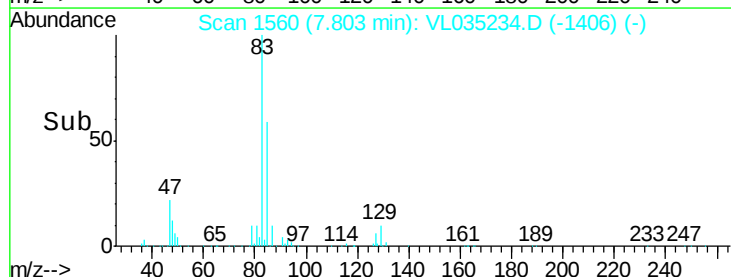
127 6.5 6.5 9.7#

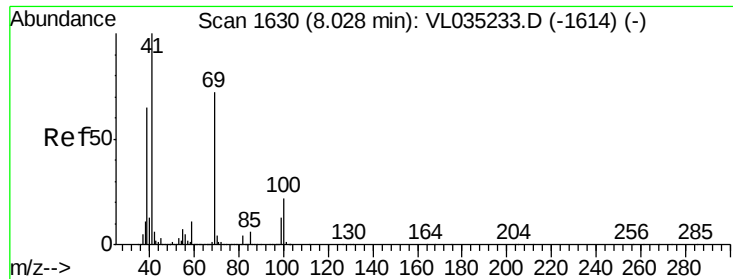


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 2.089 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

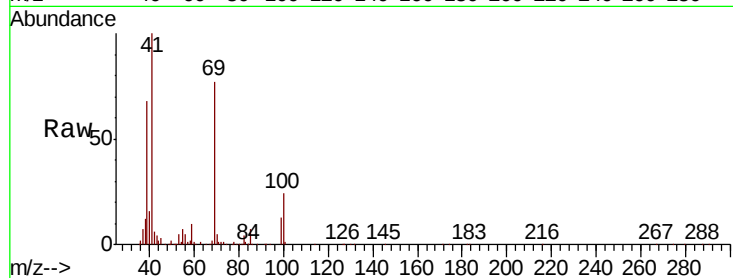
Tot Ion: 69 Resp: 228759

Ion Ratio Lower Upper

69 100

41 140.6 113.0 169.4

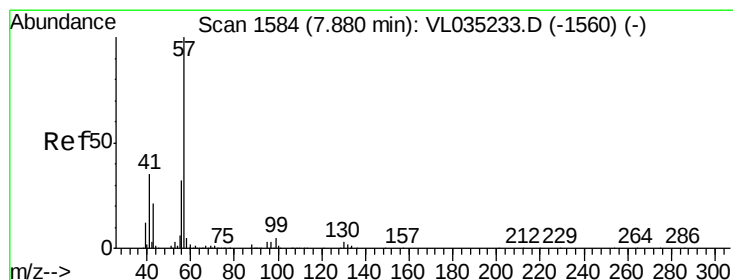
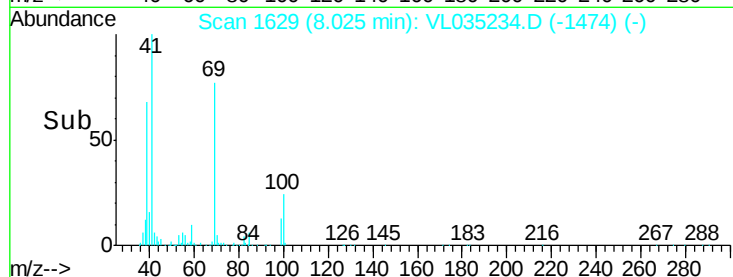
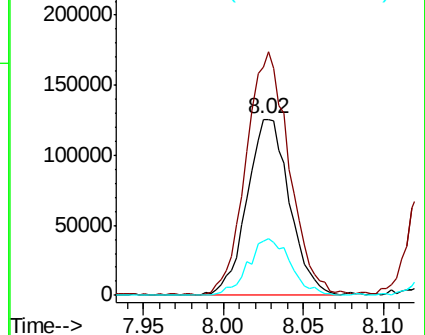
100 32.2 25.3 37.9



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 2.241 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

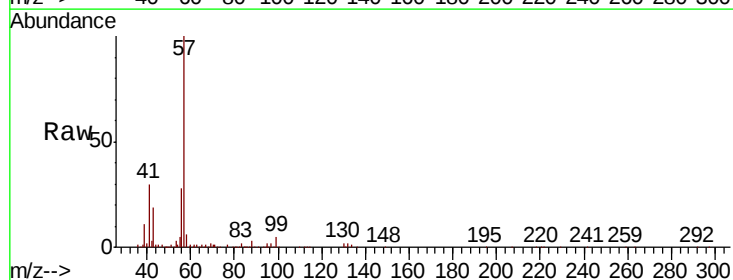
Tgt Ion: 57 Resp: 999329

Ion Ratio Lower Upper

57 100

41 33.6 27.0 40.4

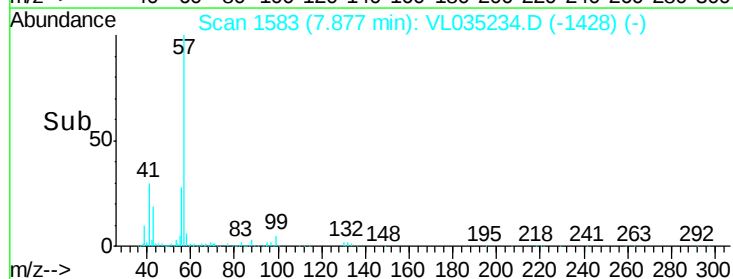
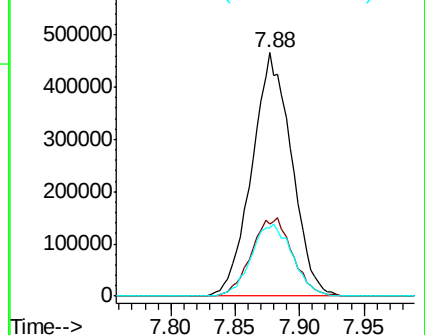
56 30.9 25.6 38.4

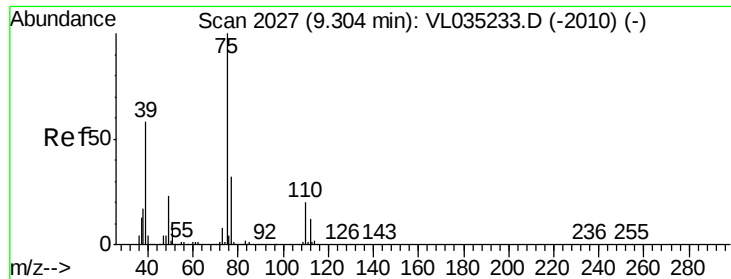


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 1.885 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

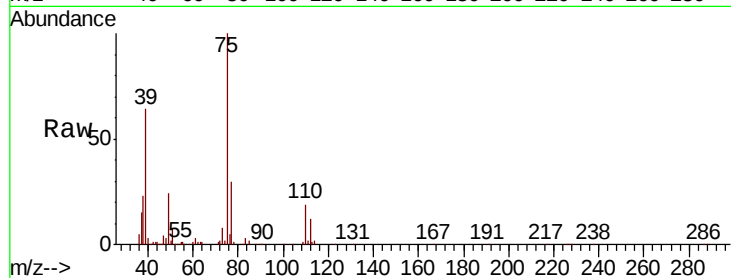
ClientSampleId :

Tot Ion: 75 Resp: 215968

Ion Ratio Lower Upper

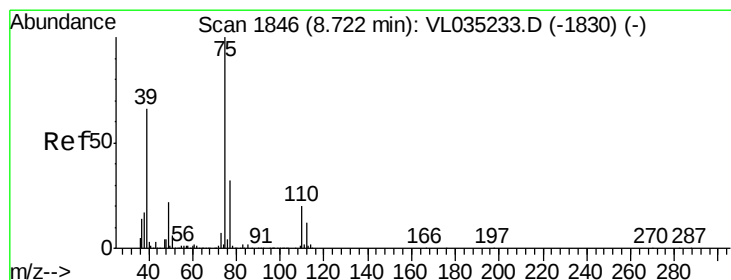
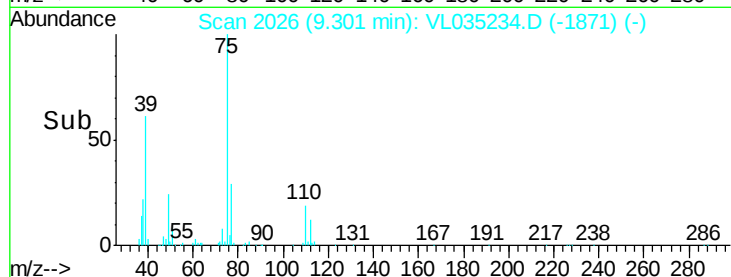
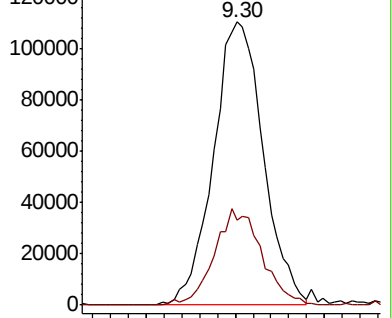
75 100

77 29.8 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 2.033 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

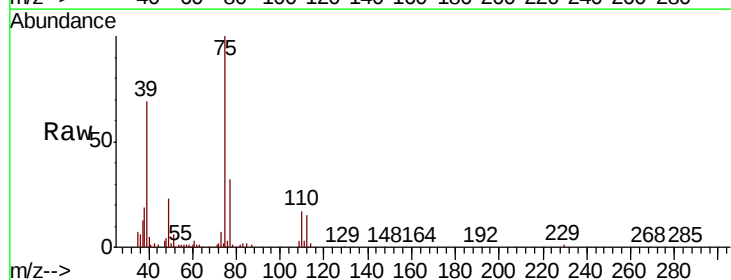
Tgt Ion: 75 Resp: 277103

Ion Ratio Lower Upper

75 100

39 68.6 53.0 79.4

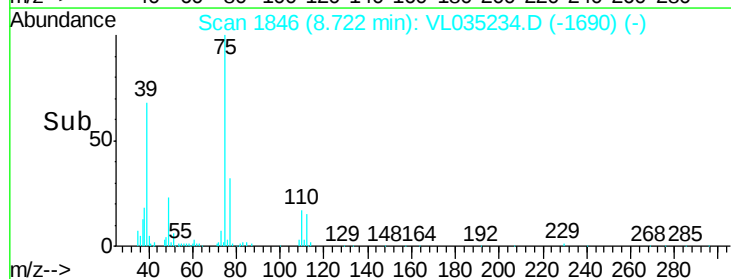
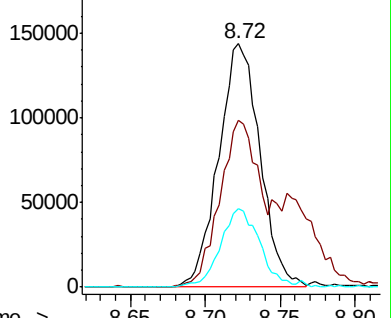
77 32.4 25.8 38.8

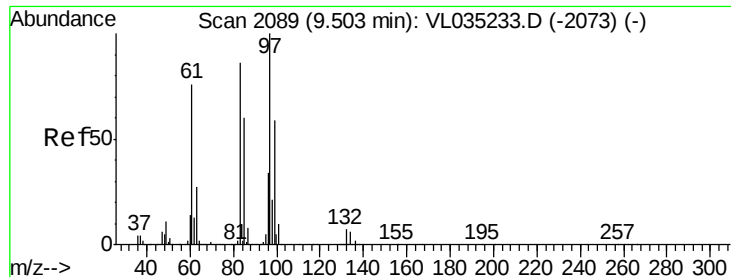


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

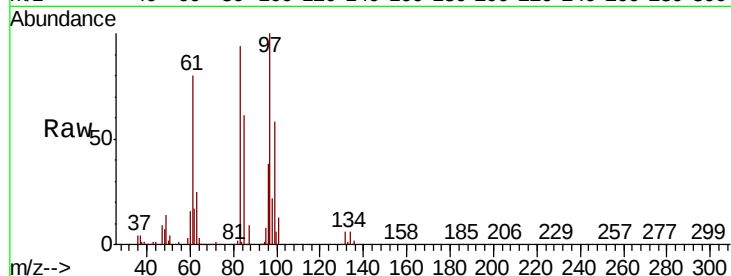




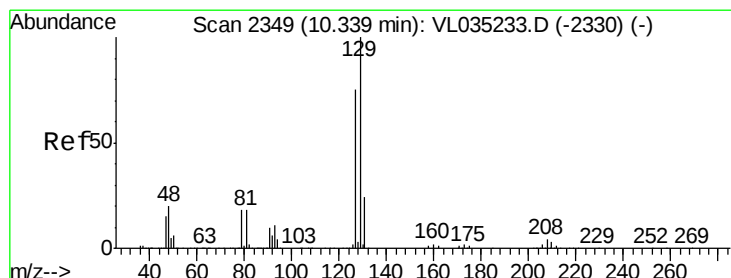
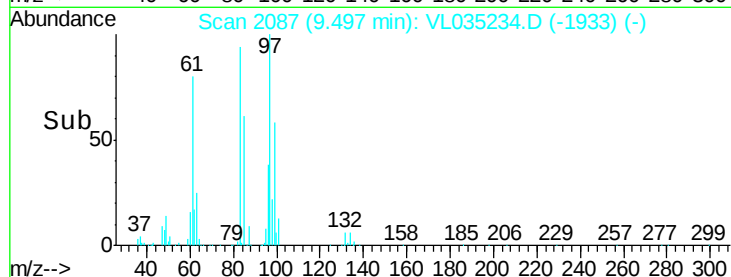
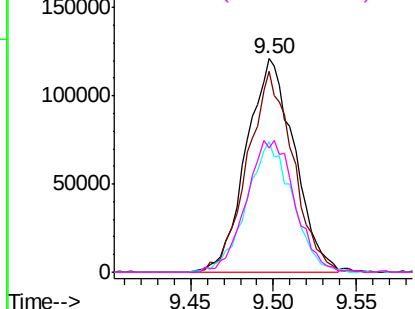
#47
 1,1,2-Trichloroethane
 Concen: 2.159 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 244045
 Ion Ratio Lower Upper
 97 100
 83 93.9 69.0 103.4
 85 61.0 47.8 71.8
 99 57.9 47.6 71.4

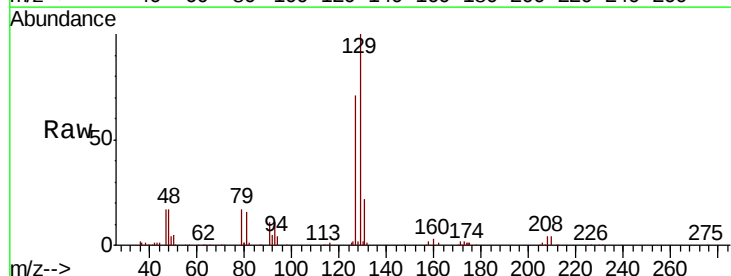


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

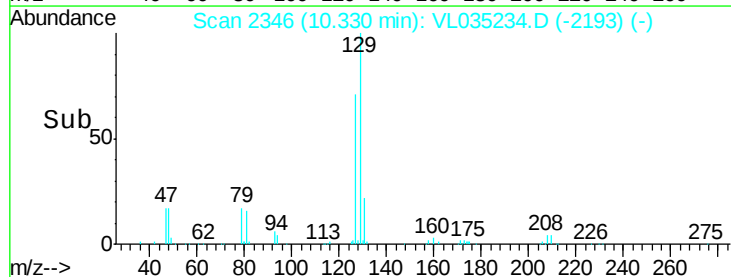
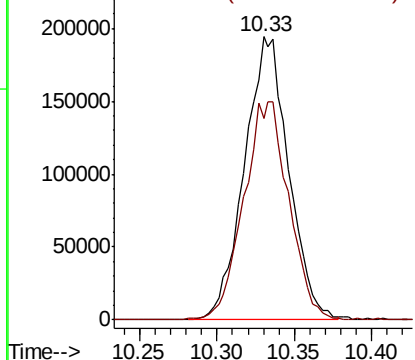


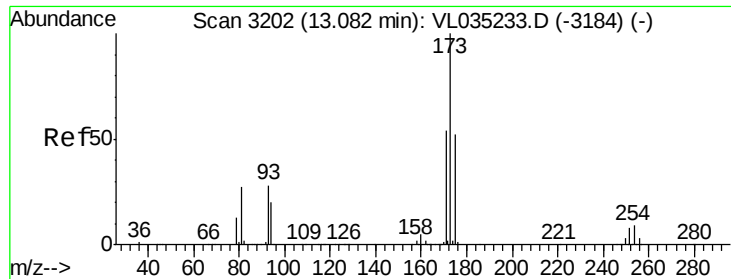
#48
 Dibromochloromethane
 Concen: 2.093 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion: 129 Resp: 384349
 Ion Ratio Lower Upper
 129 100
 127 79.6 39.6 119.0



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





#49

Bromoform

Concen: 2.088 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

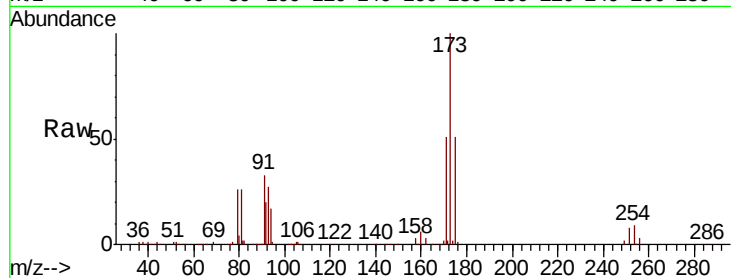
Tot Ion:173 Resp: 338608

Ion Ratio Lower Upper

173 100

175 50.5 40.0 60.0

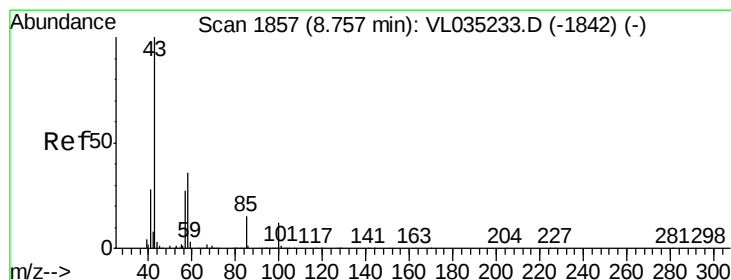
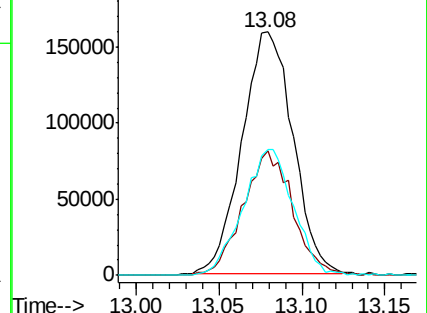
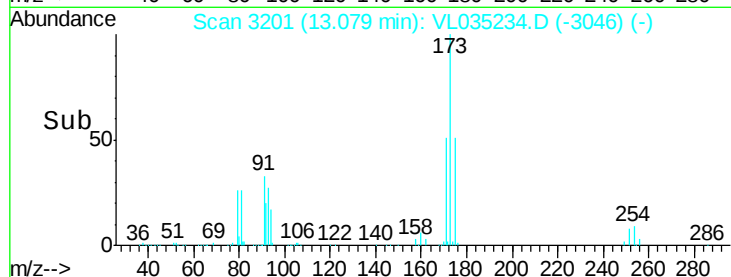
171 51.7 41.8 62.8



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: 2.157 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL035234.D

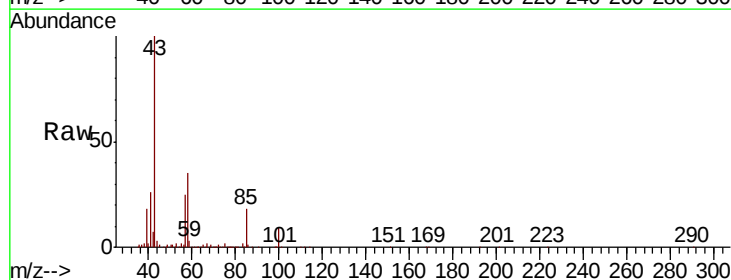
Acq: 29 Jul 2020 3:24

Tgt Ion: 43 Resp: 588307

Ion Ratio Lower Upper

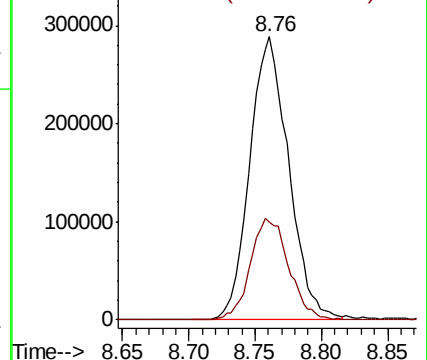
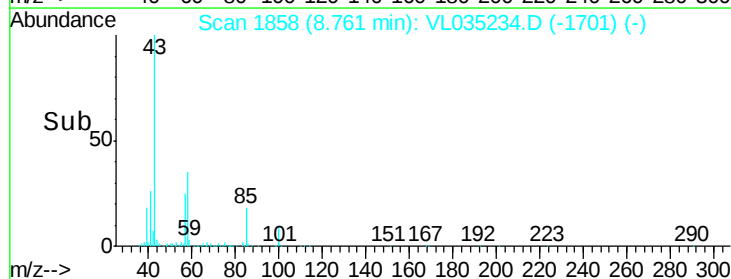
43 100

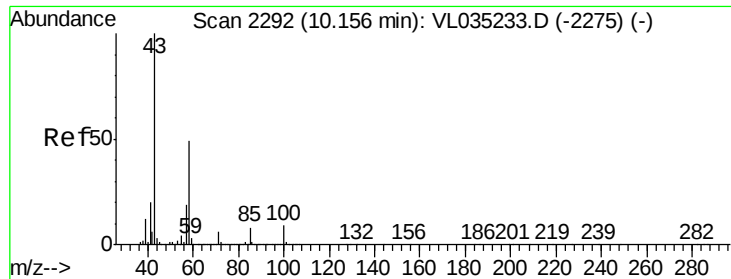
58 35.6 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

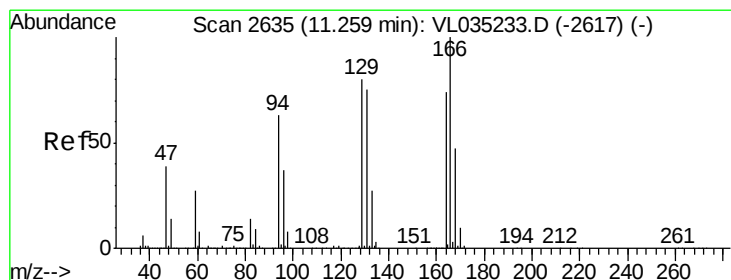
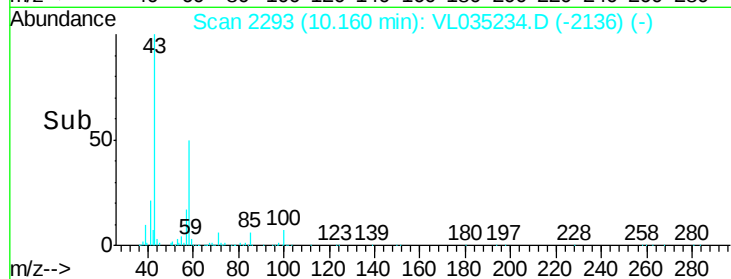
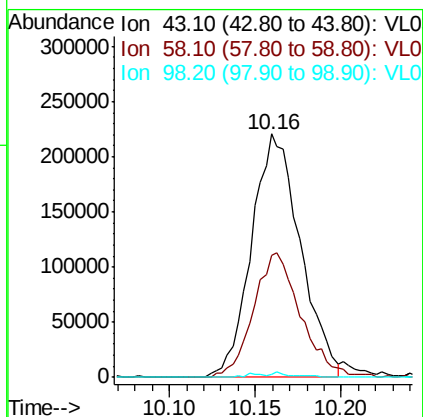
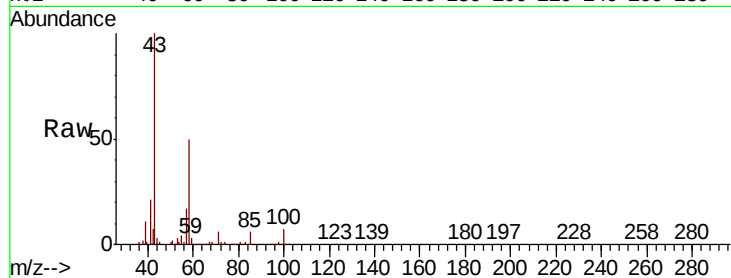




#51
2-Hexanone
Concen: 2.080 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

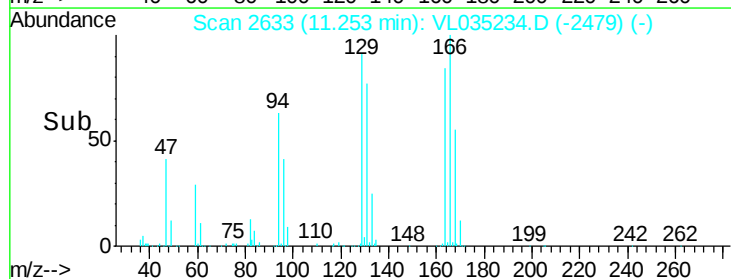
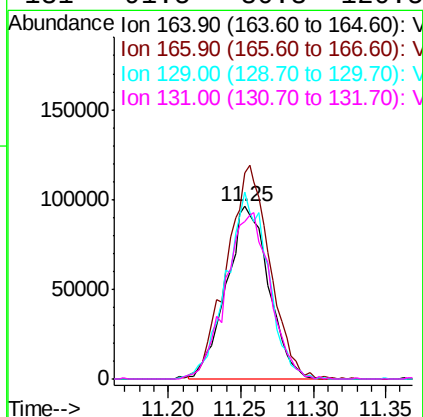
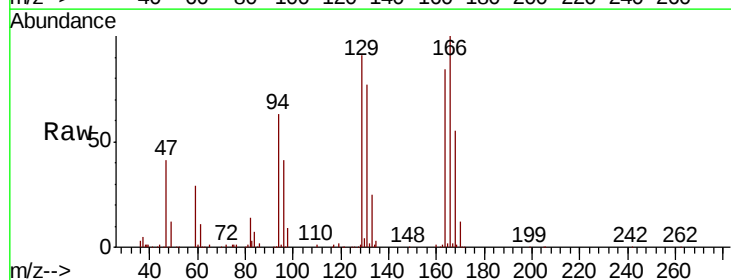
Instrument :
MSVOA_L
ClientSampleId :

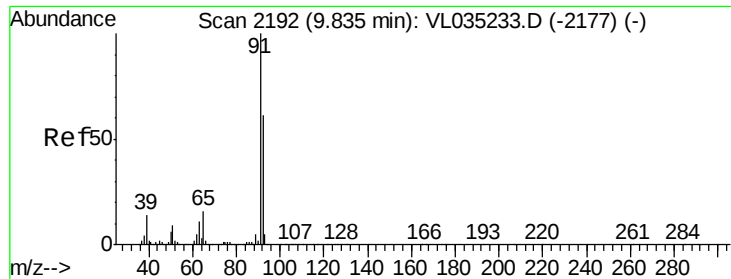
Tot Ion: 43 Resp: 434401
Ion Ratio Lower Upper
43 100
58 50.1 38.8 58.2
98 1.6 0.6 0.8#



#52
Tetrachloroethene
Concen: 2.018 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion: 164 Resp: 195381
Ion Ratio Lower Upper
164 100
166 119.2 107.5 161.3
129 108.6 86.0 129.0
131 91.5 80.3 120.5





#53

Toluene

Concen: 2.149 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

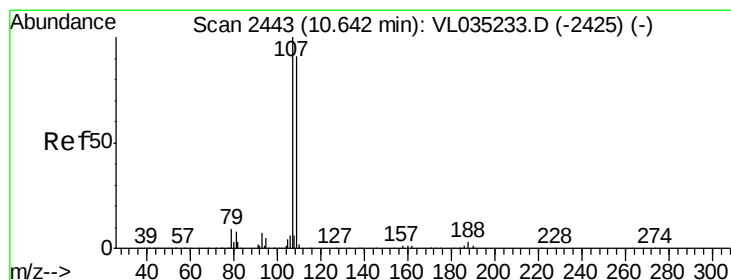
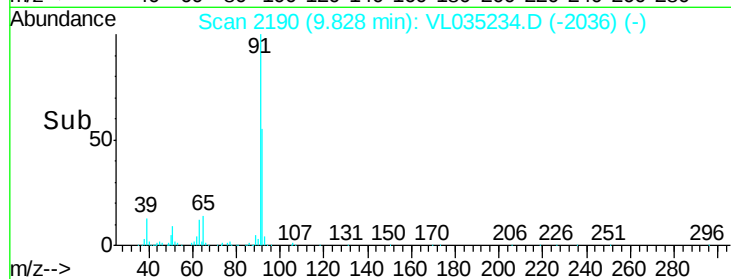
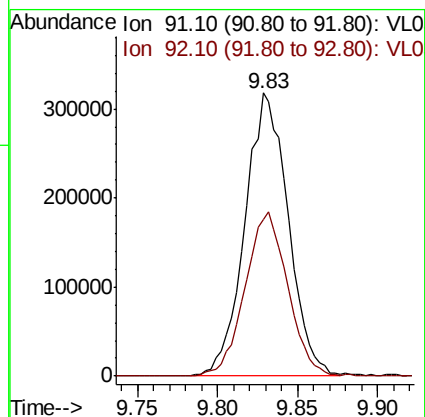
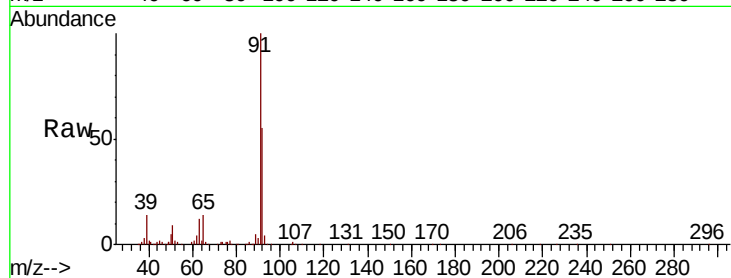
ClientSampleId :

Tot Ion: 91 Resp: 586220

Ion Ratio Lower Upper

91 100

92 57.5 48.5 72.7



#54

1,2-Dibromoethane

Concen: 2.156 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL035234.D

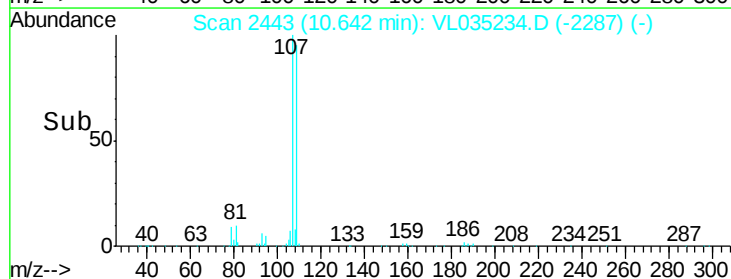
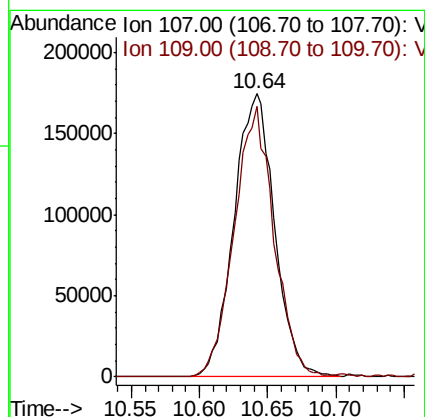
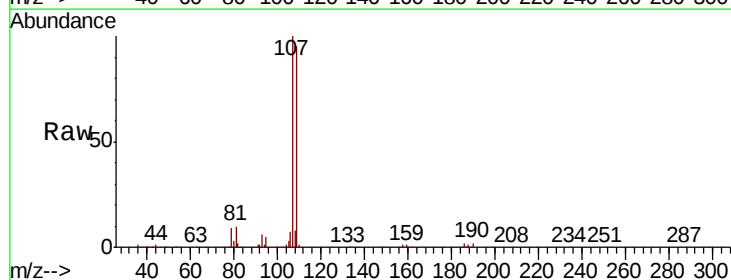
Acq: 29 Jul 2020 3:24

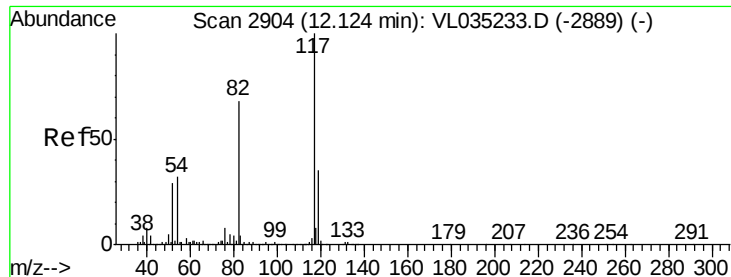
Tgt Ion: 107 Resp: 361267

Ion Ratio Lower Upper

107 100

109 95.1 73.0 109.6

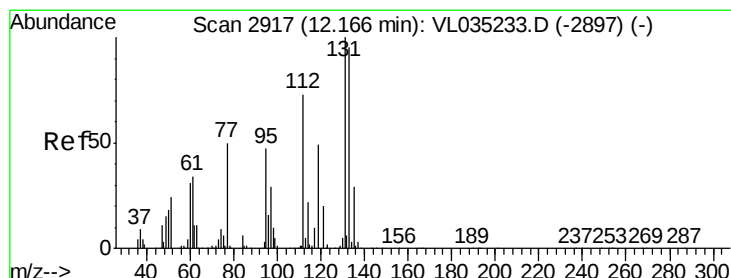
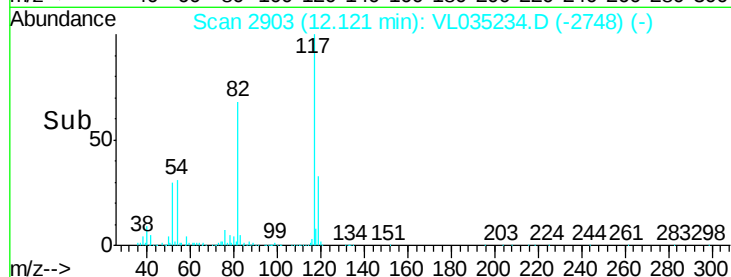
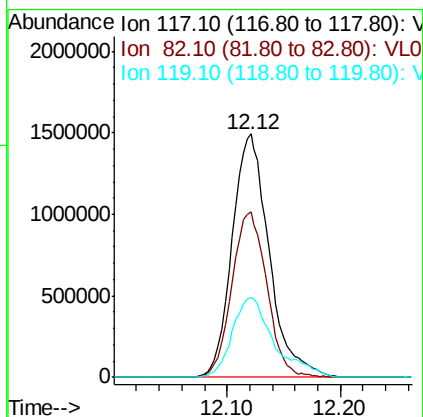
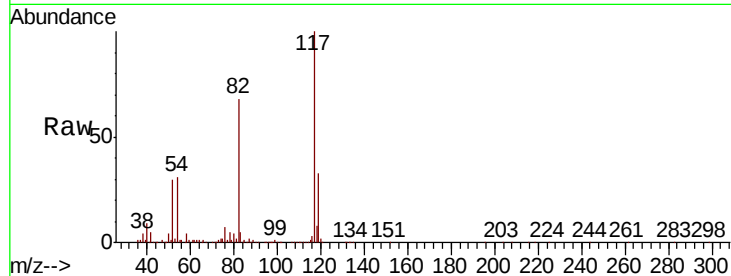




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

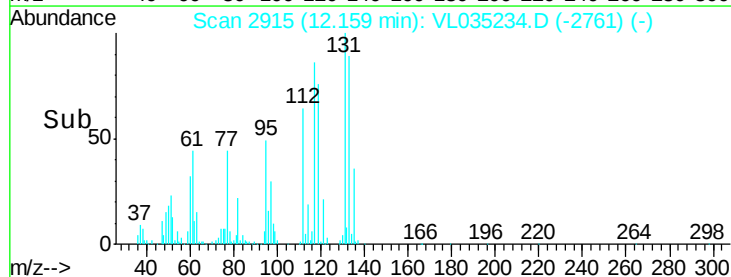
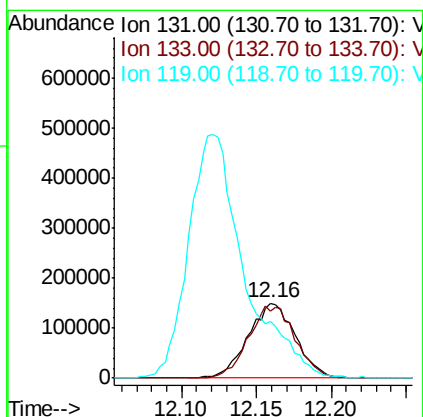
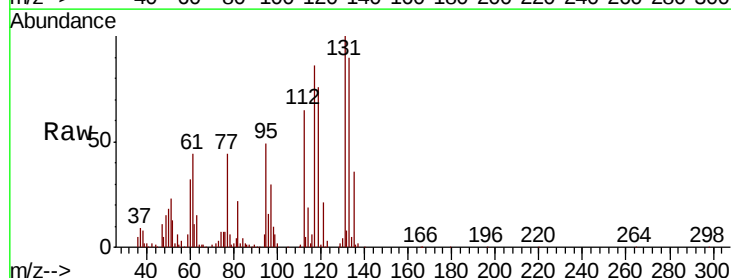
Instrument :
MSVOA_L
ClientSampleId :

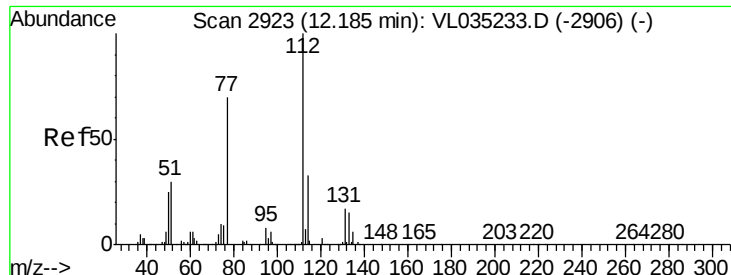
Tot Ion:117 Resp: 3400561
Ion Ratio Lower Upper
117 100
82 64.5 52.4 78.6
119 37.2 24.6 36.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.153 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion:131 Resp: 328808
Ion Ratio Lower Upper
131 100
133 95.5 76.1 114.1
119 384.4 44.3 66.5#

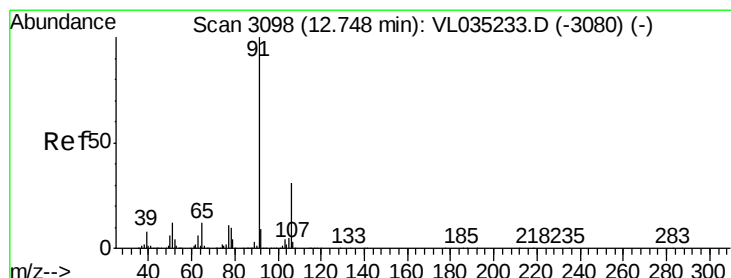
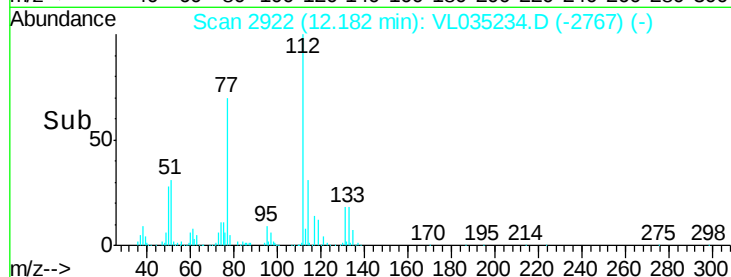
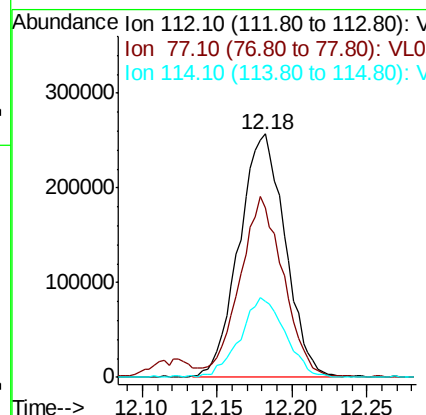
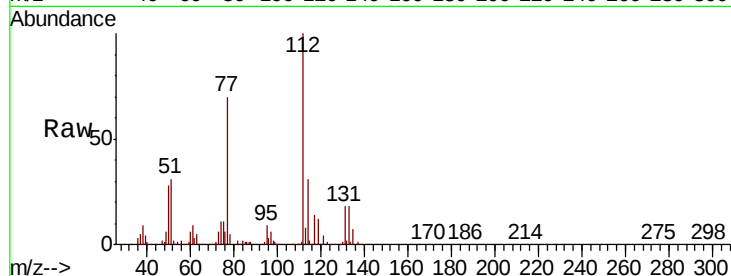




#57
Chlorobenzene
Concen: 2.168 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

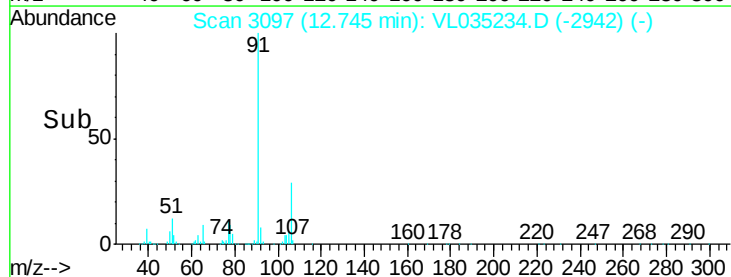
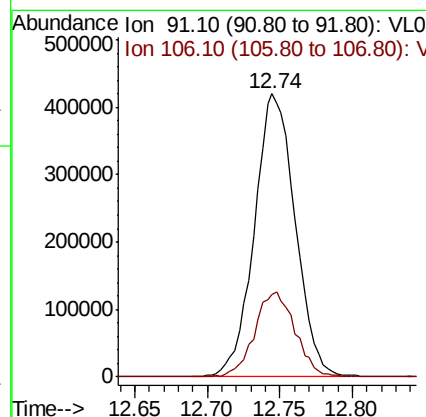
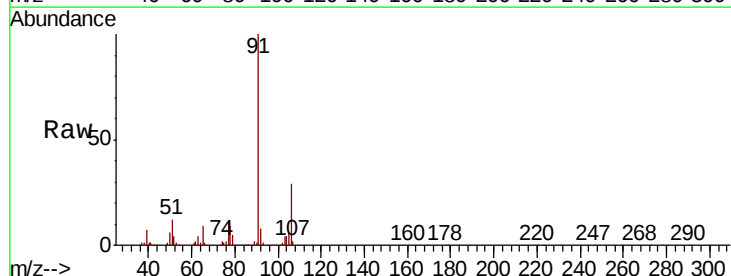
Instrument :
MSVOA_L
ClientSampleId :

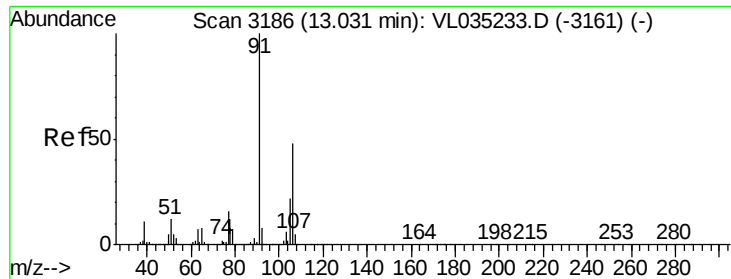
Tot Ion	Ratio	Lower	Upper
112	100		
77	69.1	57.3	85.9
114	31.2	29.3	35.8



#58
Ethyl Benzene
Concen: 2.163 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	25.0	37.6





#59

m/p-Xylene

Concen: 1.104 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

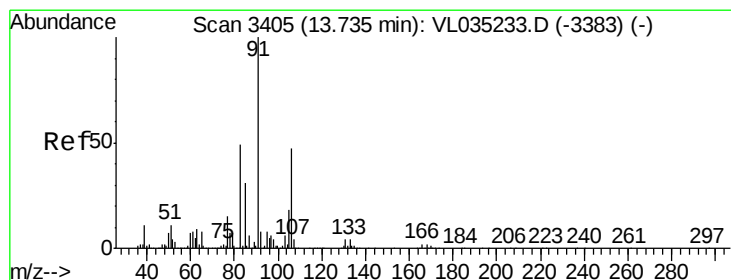
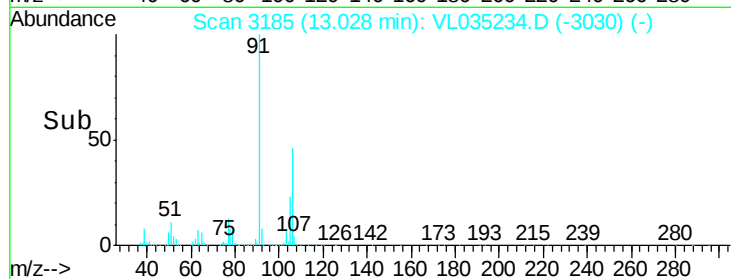
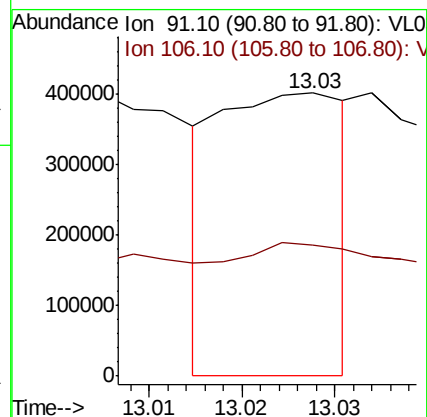
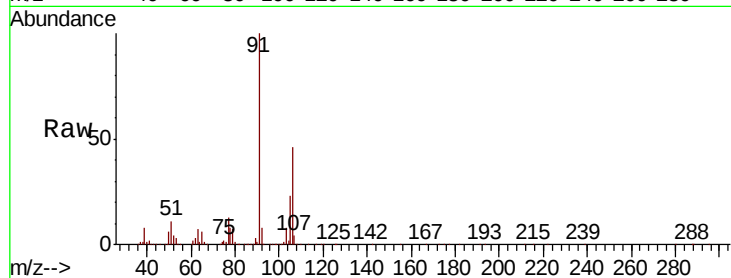
ClientSampleId :

Tot Ion: 91 Resp: 375416

Ion Ratio Lower Upper

91 100

106 177.9 37.2 55.8#



#60

o-Xylene

Concen: 2.254 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. -0.01 min

Lab File: VL035234.D

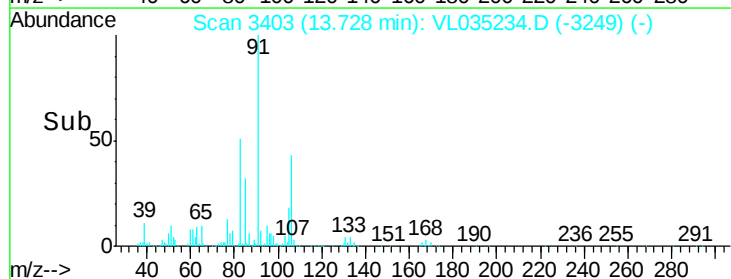
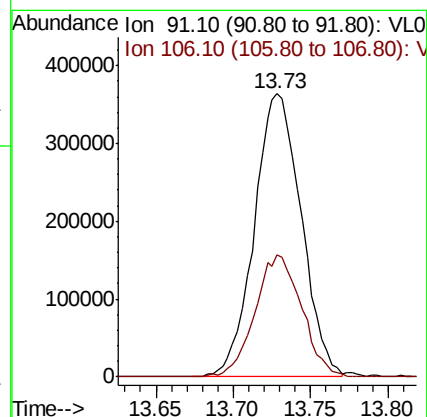
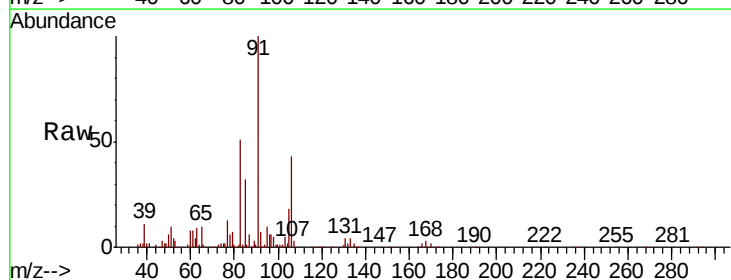
Acq: 29 Jul 2020 3:24

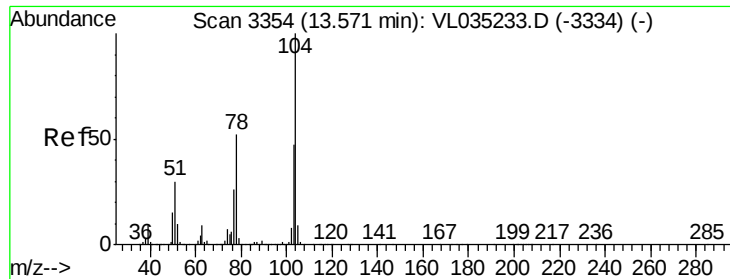
Tgt Ion: 91 Resp: 764338

Ion Ratio Lower Upper

91 100

106 43.2 22.4 67.0





#61

Stvrene

Concen: 2.223 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

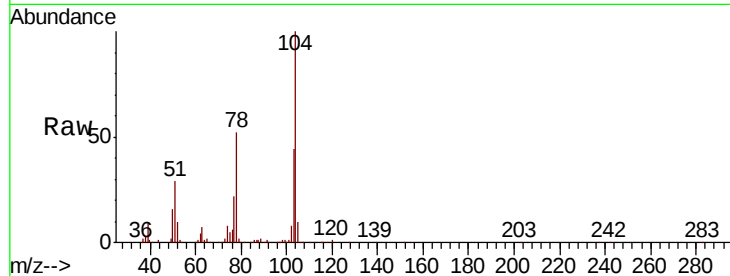
Tot Ion:104 Resp: 465524

Ion Ratio Lower Upper

104 100

78 53.6 43.3 64.9

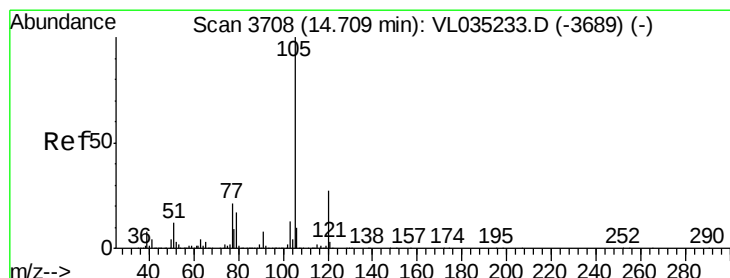
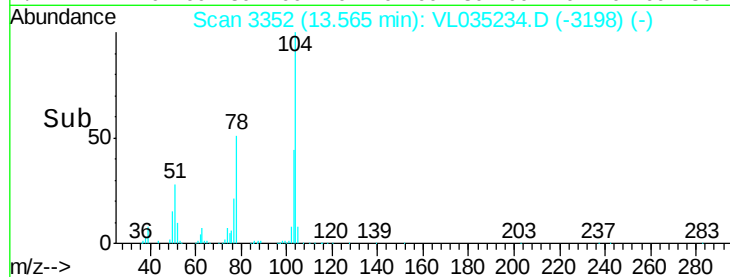
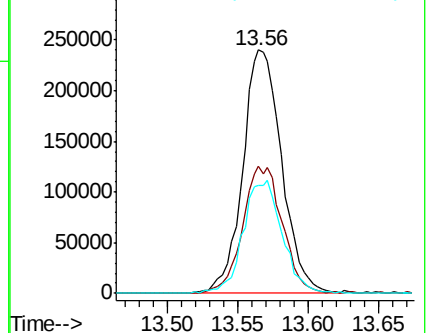
103 46.4 38.2 57.2



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: 2.252 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. -0.00 min

Lab File: VL035234.D

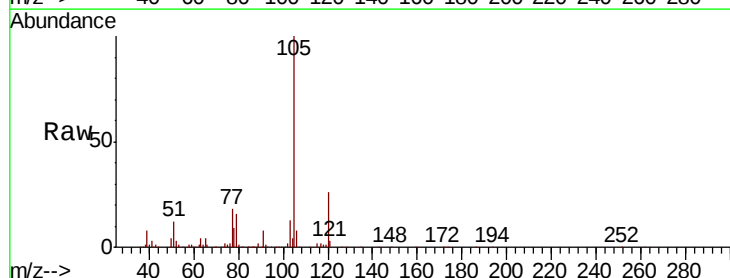
Acq: 29 Jul 2020 3:24

Tgt Ion:105 Resp: 1132093

Ion Ratio Lower Upper

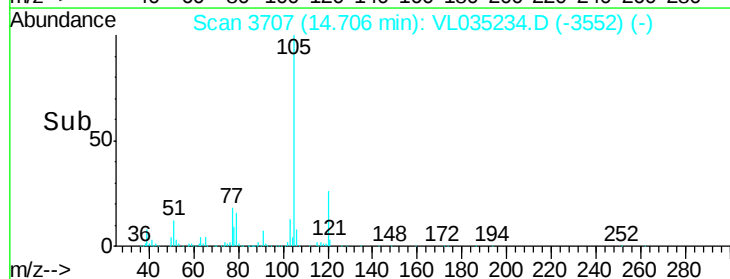
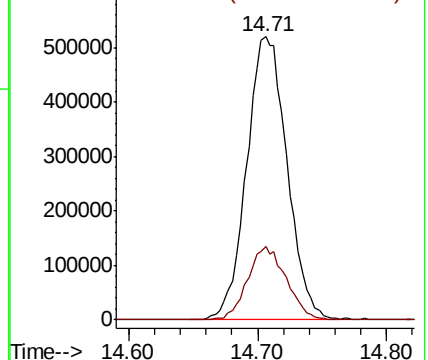
105 100

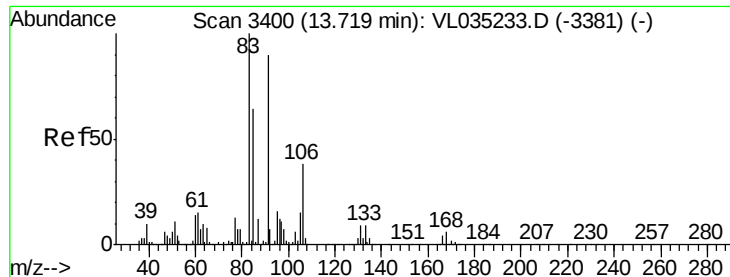
120 24.8 20.8 31.2



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: 2.107 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

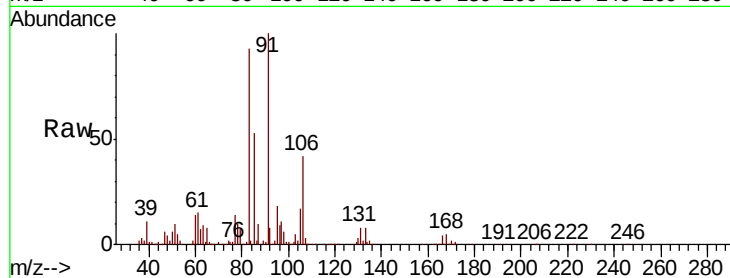
Tot Ion: 83 Resp: 596909

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

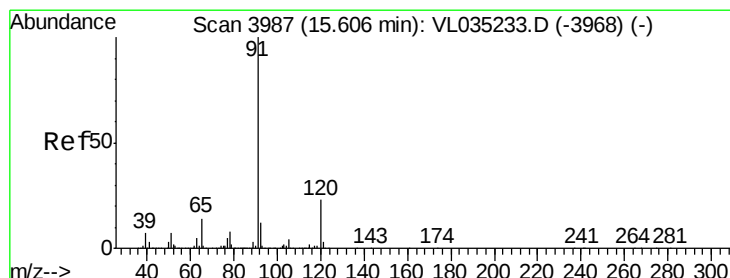
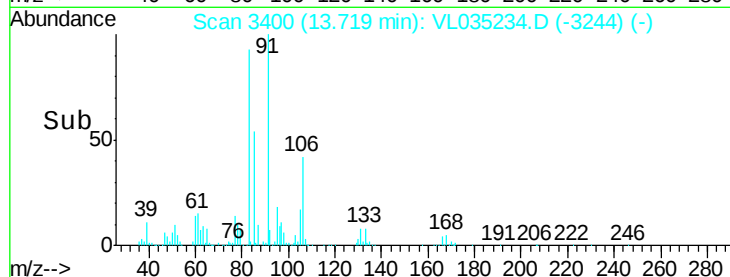
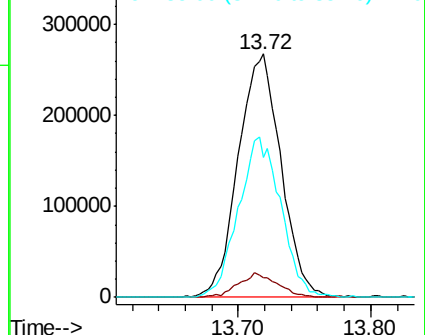
85 65.7 32.7 98.1



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: 2.308 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.00 min

Lab File: VL035234.D

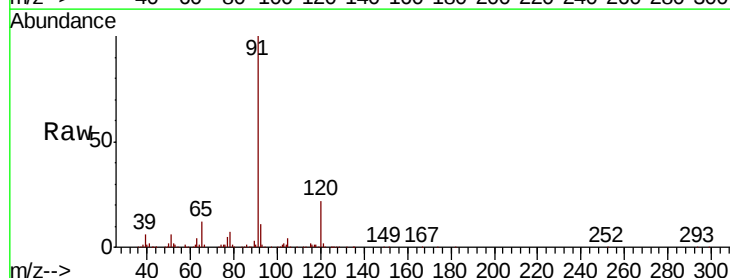
Acq: 29 Jul 2020 3:24

Tgt Ion: 120 Resp: 300483

Ion Ratio Lower Upper

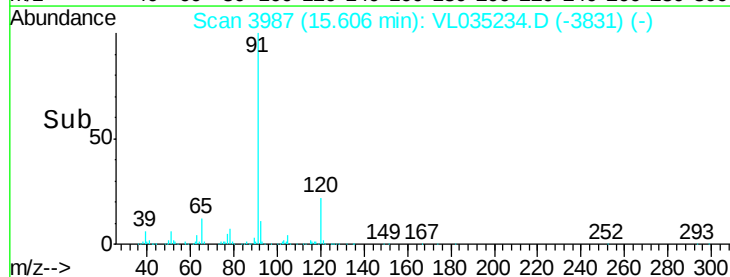
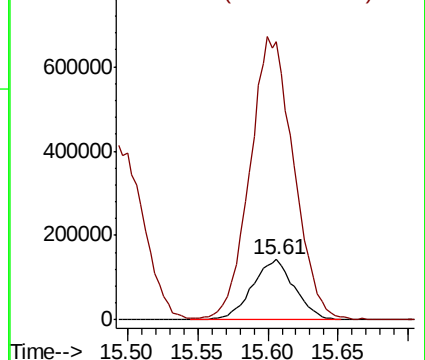
120 100

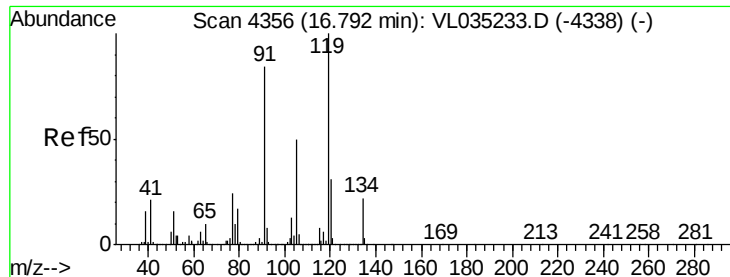
91 487.0 367.5 551.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.313 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

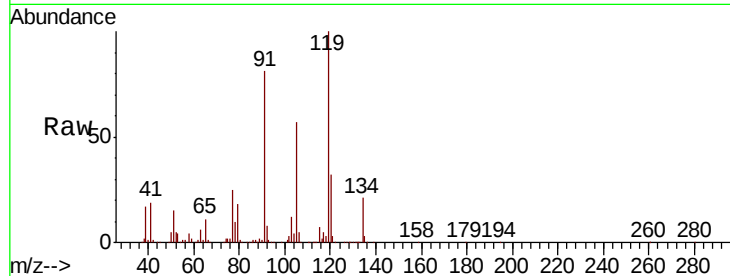
Tot Ion:119 Resp: 1044211

Ion Ratio Lower Upper

119 100

91 87.1 68.0 102.0

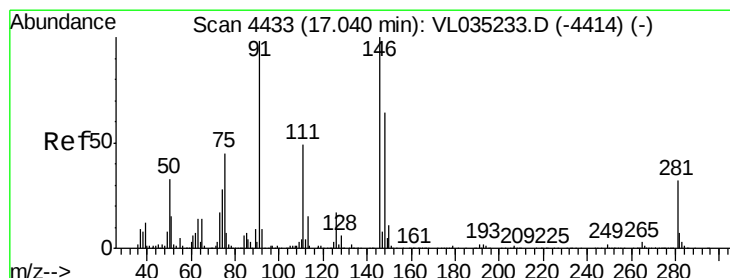
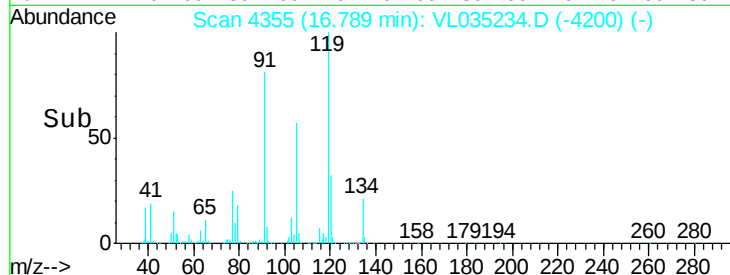
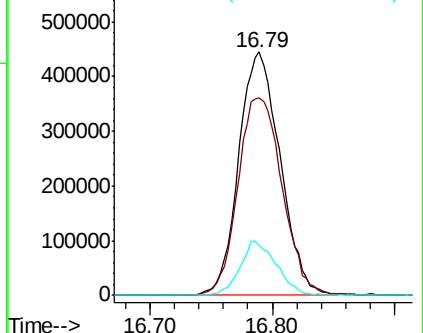
134 19.7 16.3 24.5



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: 2.190 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

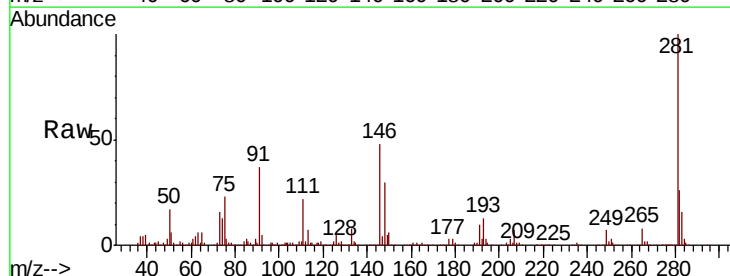
Tgt Ion: 91 Resp: 356101

Ion Ratio Lower Upper

91 100

126 19.4 14.1 21.1

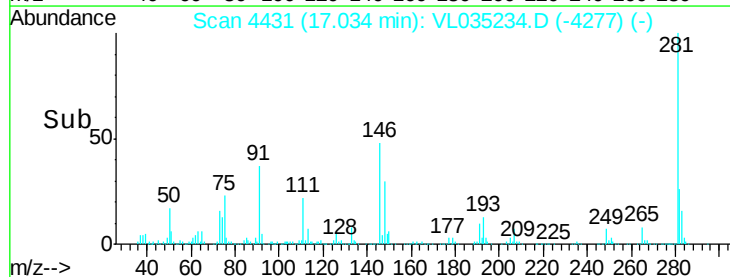
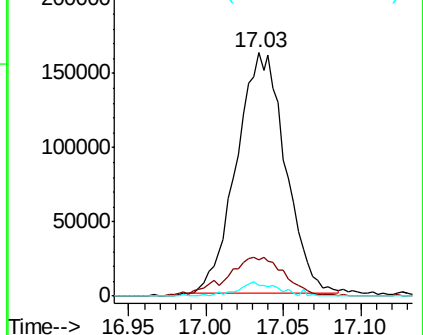
128 5.1 4.4 6.6

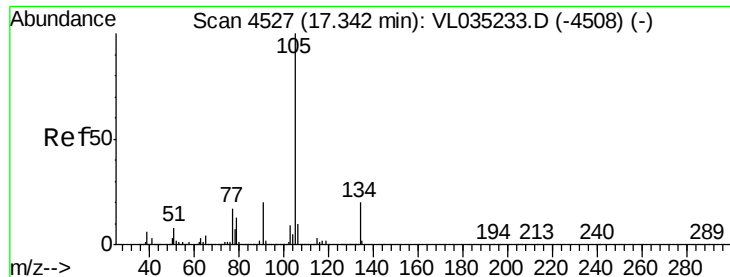


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.341 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

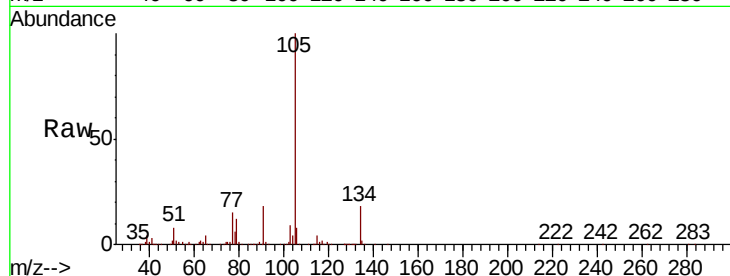
ClientSampleId :

Tot Ion:105 Resp: 1539071

Ion Ratio Lower Upper

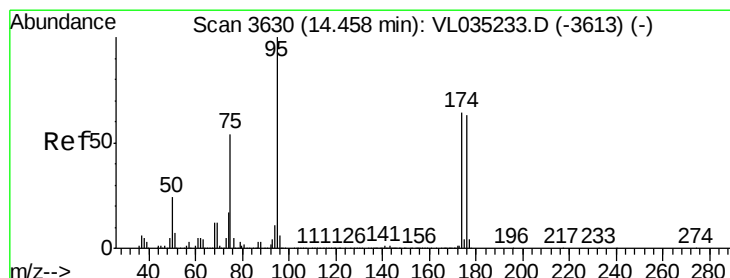
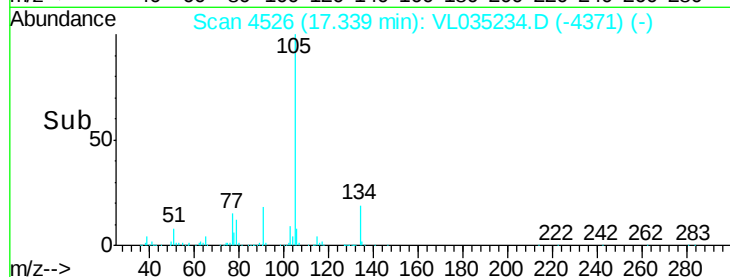
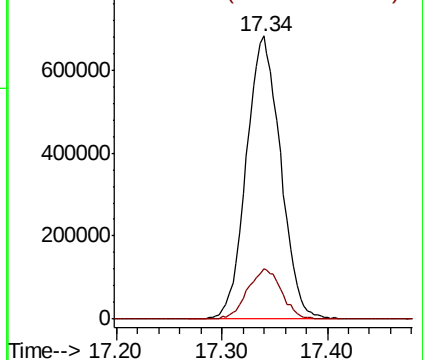
105 100

134 17.7 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: 9.707 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

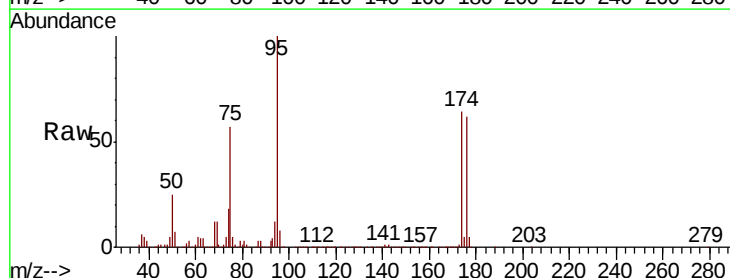
Tgt Ion: 95 Resp: 2687108

Ion Ratio Lower Upper

95 100

174 64.6 52.7 79.1

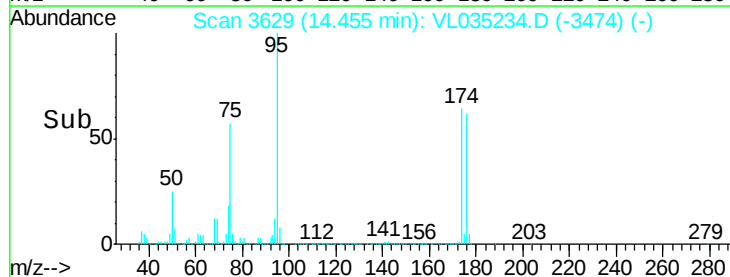
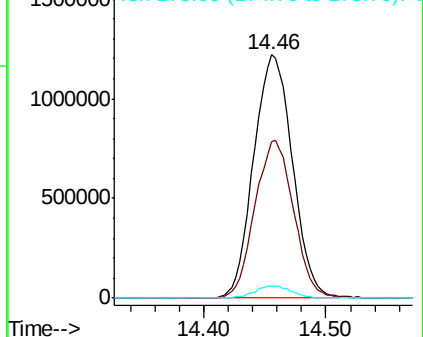
175 4.8 3.9 5.9

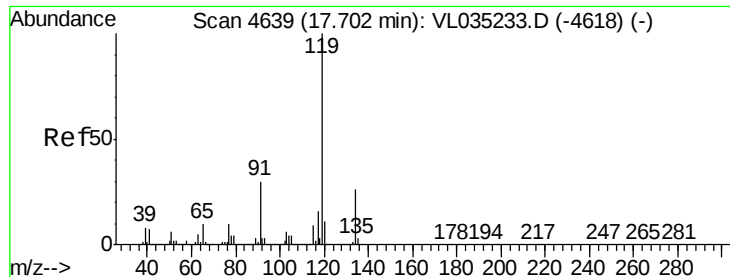


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

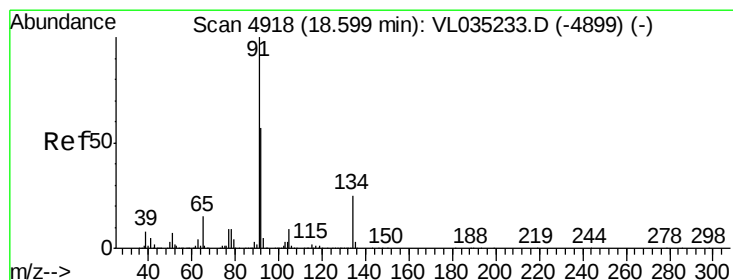
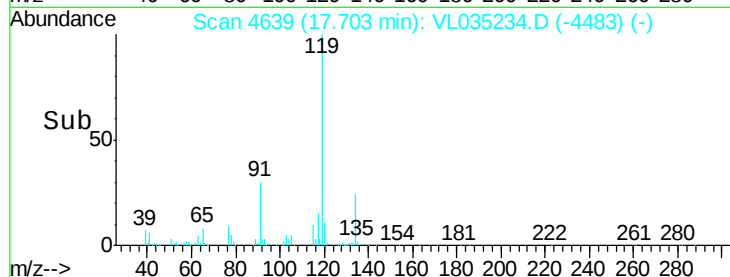
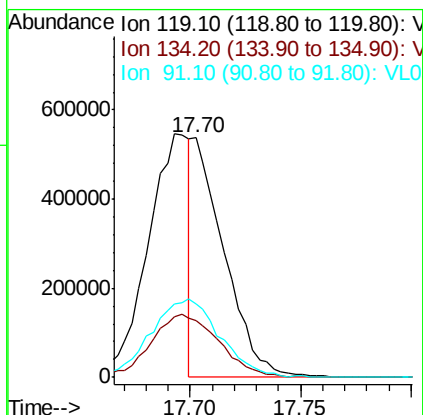
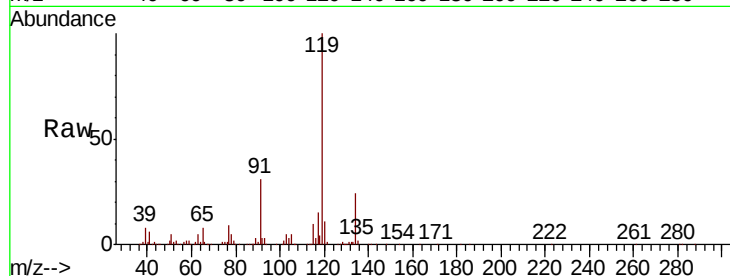




#69
 p-Isopropyltoluene
 Concen: 1.014 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

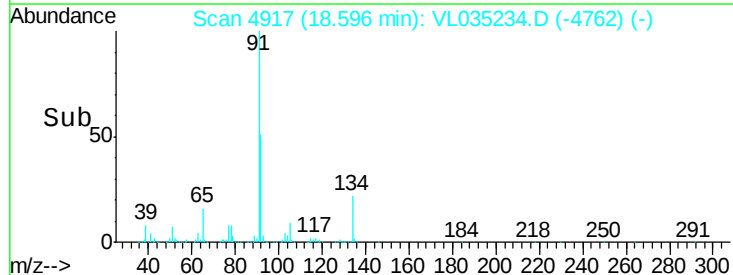
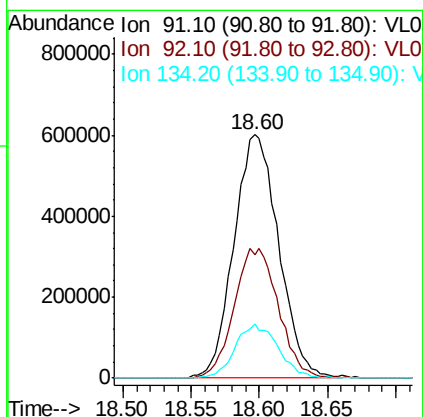
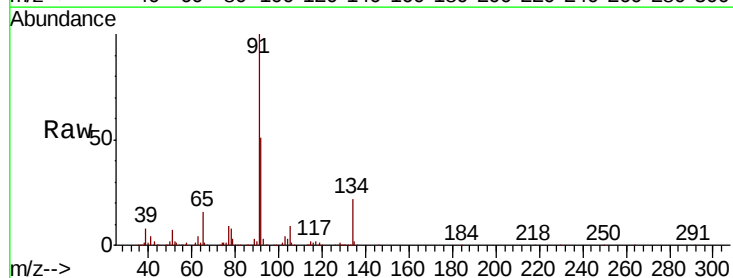
Instrument :
 MSVOA_L
 ClientSampleId :

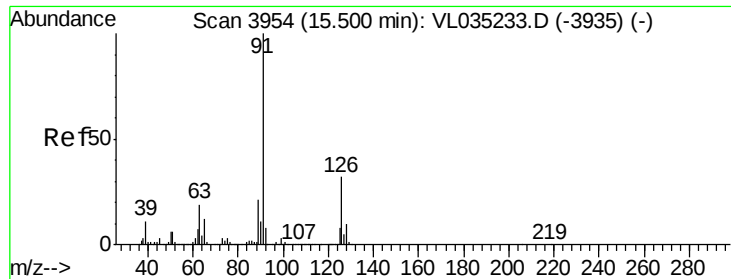
Tot Ion: 119 Resp: 526626
 Ion Ratio Lower Upper
 119 100
 134 58.1 20.8 31.2#
 91 73.7 24.7 37.1#



#70
 n-Butylbenzene
 Concen: 2.466 ppbv
 RT: 18.60 min Scan# 4917
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion: 91 Resp: 1357793
 Ion Ratio Lower Upper
 91 100
 92 53.4 44.9 67.3
 134 21.5 18.6 28.0

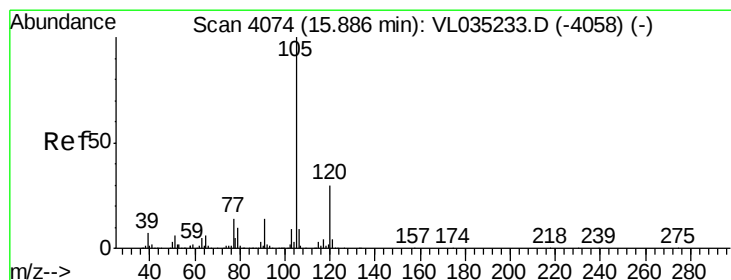
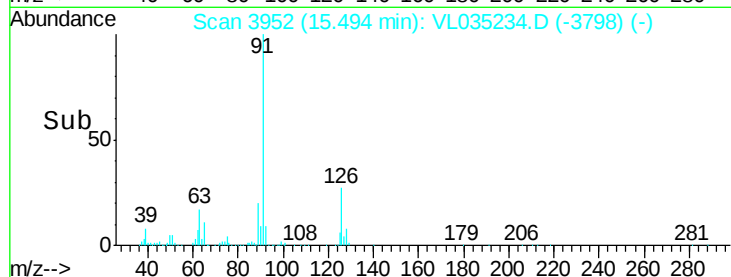
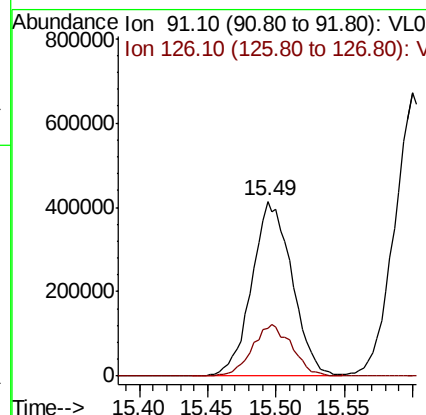
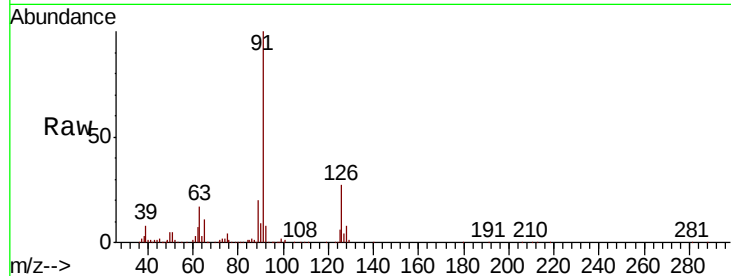




#71
 2-Chlorotoluene
 Concen: 2.231 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

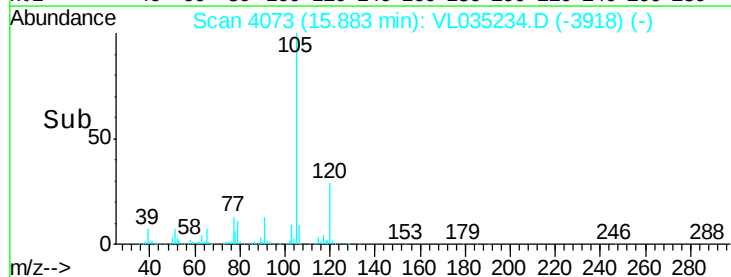
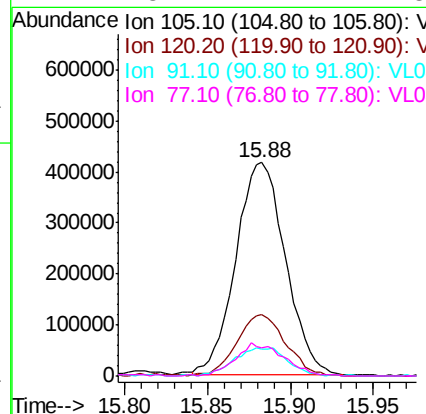
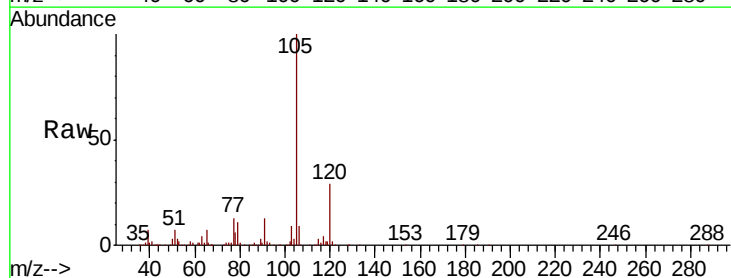
Instrument :
 MSVOA_L
 ClientSampleId :

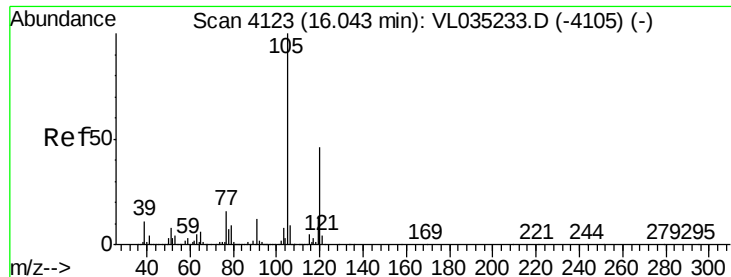
Tot Ion: 91 Resp: 849377
 Ion Ratio Lower Upper
 91 100
 126 29.4 12.3 49.1



#72
 4-Ethyltoluene
 Concen: 2.248 ppbv
 RT: 15.88 min Scan# 4073
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion: 105 Resp: 861989
 Ion Ratio Lower Upper
 105 100
 120 28.8 23.6 35.4
 91 14.9 11.0 16.6
 77 15.1 11.7 17.5

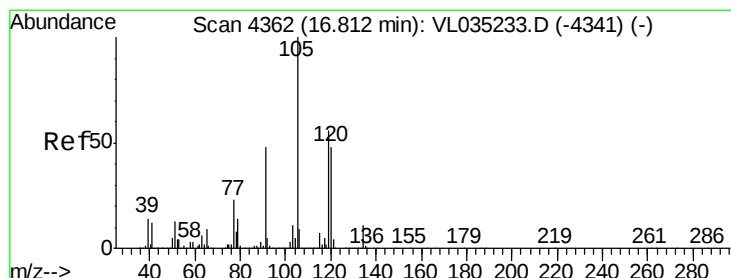
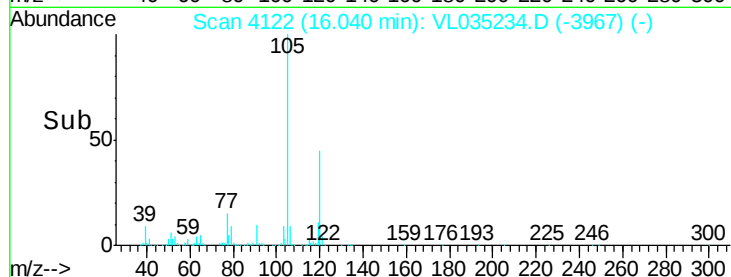
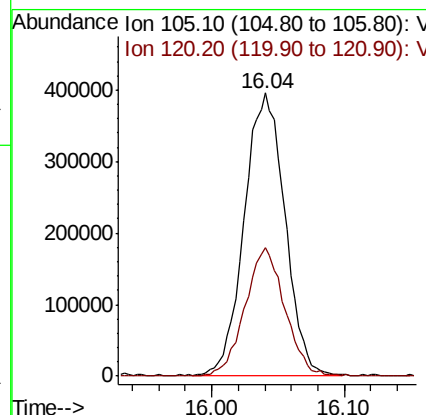
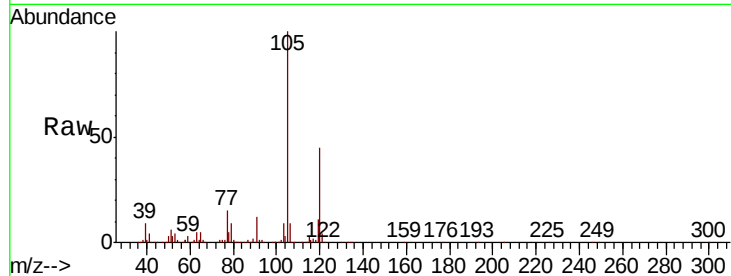




#73
 1,3,5-Trimethylbenzene
 Concen: 2.281 ppbv
 RT: 16.04 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

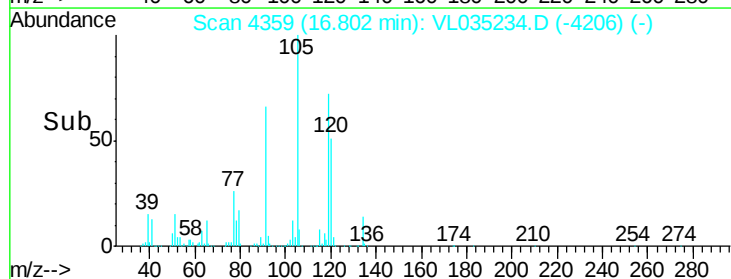
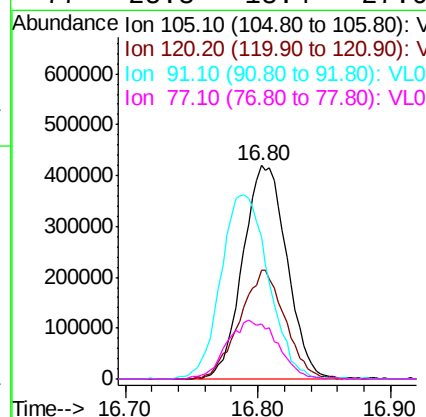
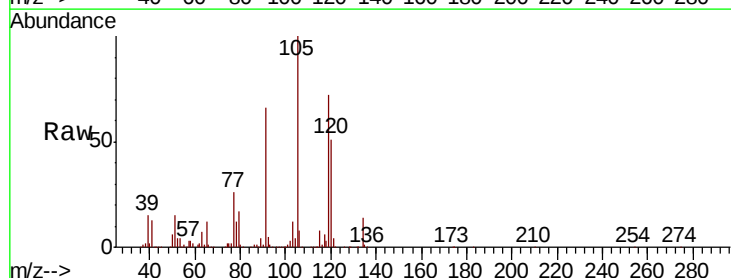
Instrument :
 MSVOA_L
 ClientSampled :

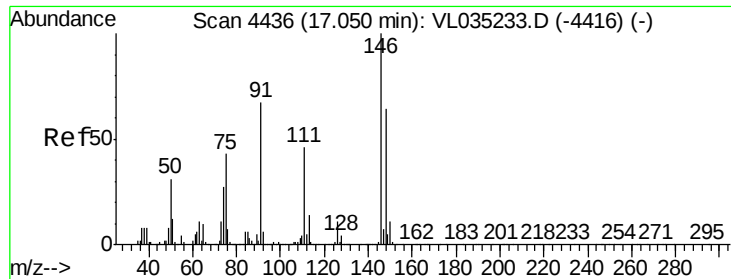
Tot Ion:105 Resp: 841559
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 2.366 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion:105 Resp: 969137
 Ion Ratio Lower Upper
 105 100
 120 51.0 38.8 58.2
 91 66.2 38.9 58.3#
 77 25.3 18.4 27.6

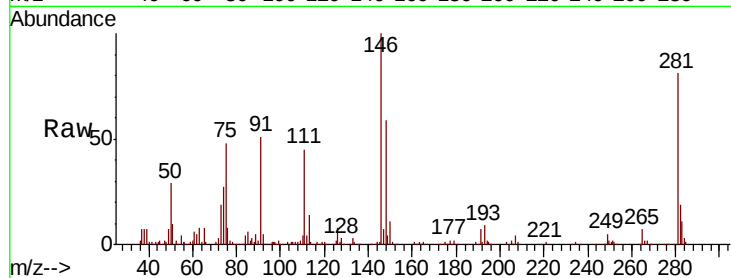




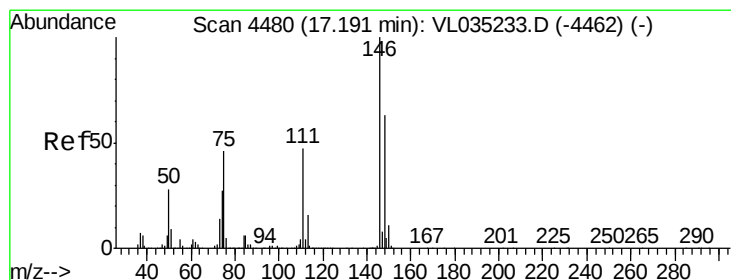
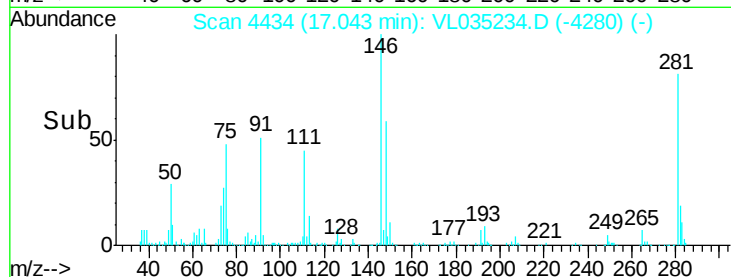
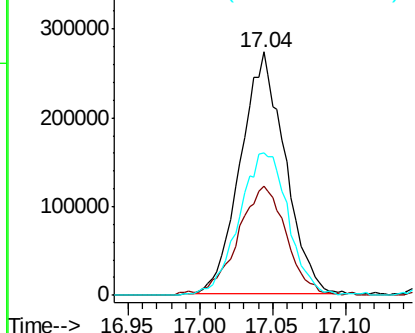
#75
 1,3-Dichlorobenzene
 Concen: 2.246 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.4	73.4
148	64.8	32.1	96.5

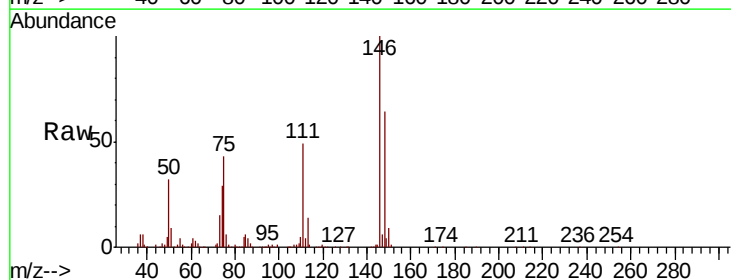


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

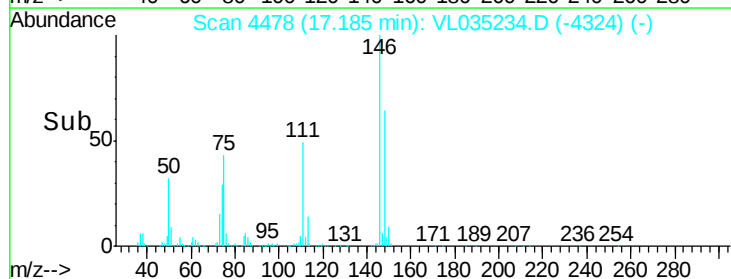
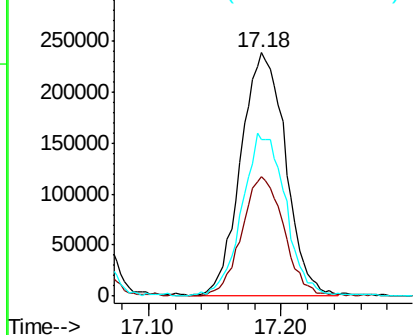


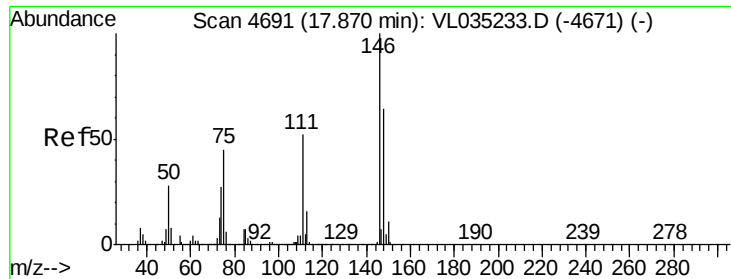
#76
 1,4-Dichlorobenzene
 Concen: 2.300 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.4	70.2
148	65.8	32.2	96.6



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





#77

1,2-Dichlorobenzene

Concen: 2.289 ppbv

RT: 17.87 min Scan# 4690

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

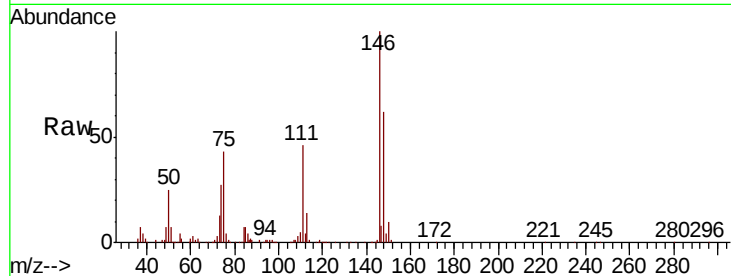
Tot Ion:146 Resp: 537715

Ion Ratio Lower Upper

146 100

111 48.7 24.6 73.8

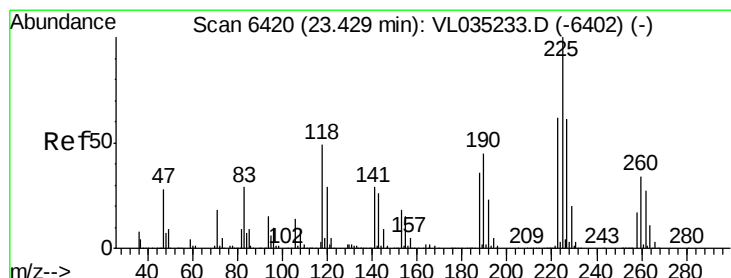
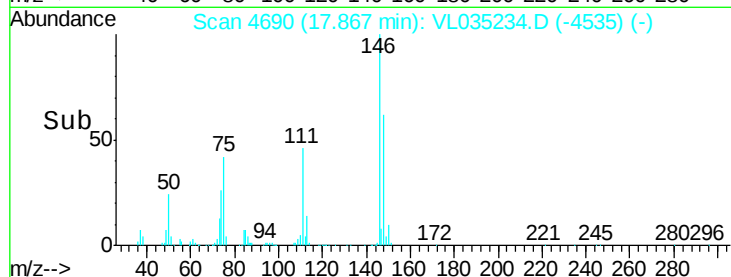
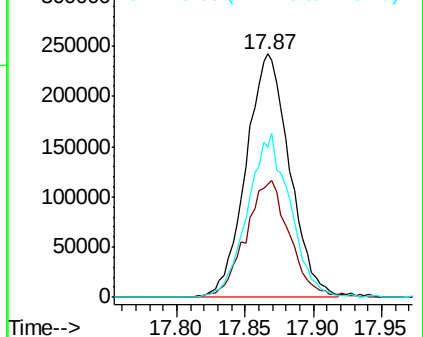
148 65.7 32.0 96.0



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: 2.476 ppbv

RT: 23.43 min Scan# 6420

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

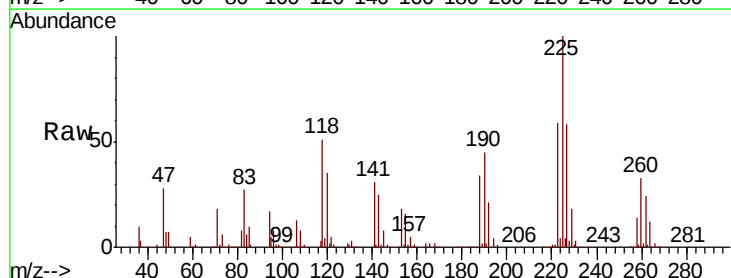
Tgt Ion:225 Resp: 455657

Ion Ratio Lower Upper

225 100

223 61.1 51.3 76.9

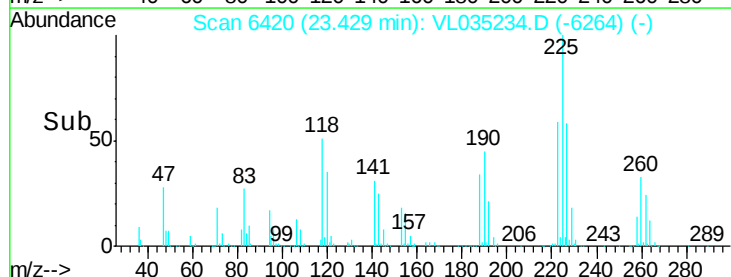
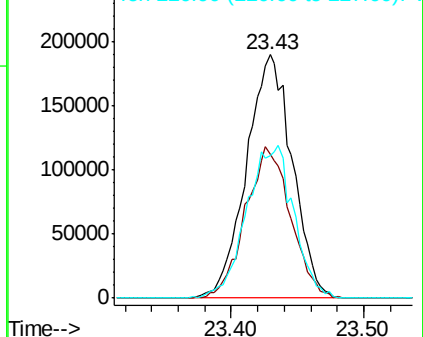
227 64.5 51.4 77.2

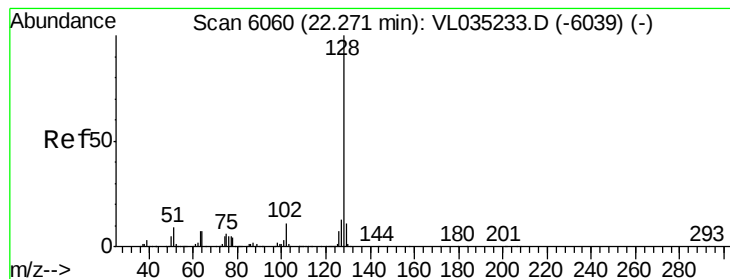


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 2.952 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

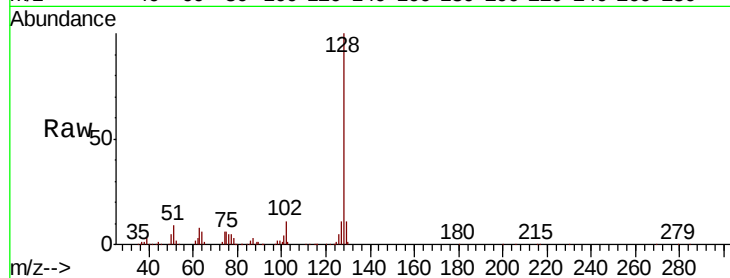
Tot Ion:128 Resp: 803909

Ion Ratio Lower Upper

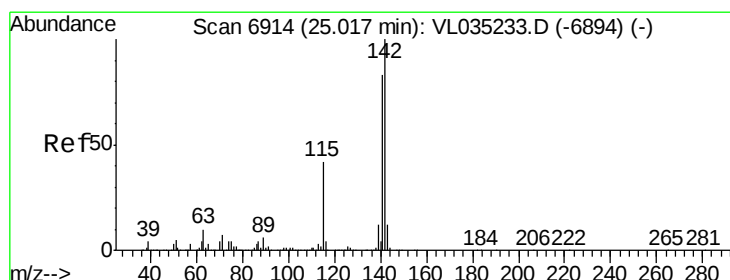
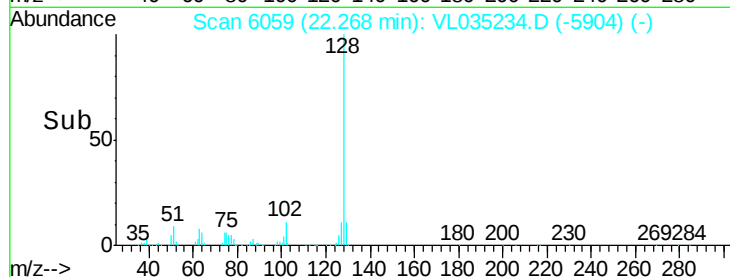
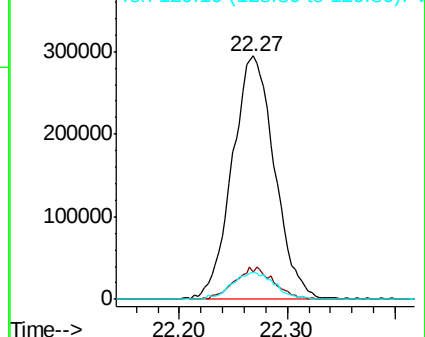
128 100

127 11.0 10.4 15.6

129 11.1 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: 3.406 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

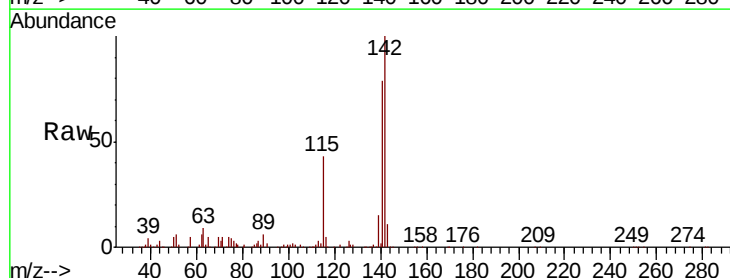
Tgt Ion:142 Resp: 220974

Ion Ratio Lower Upper

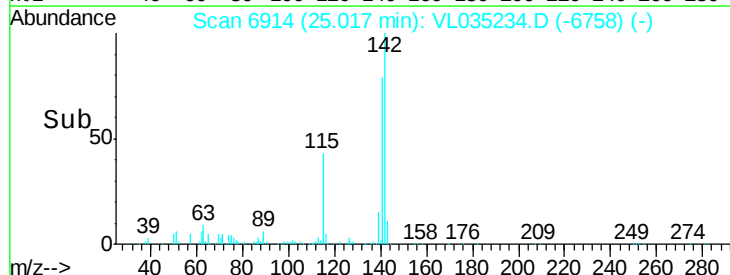
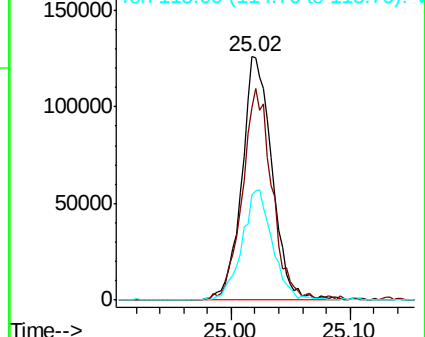
142 100

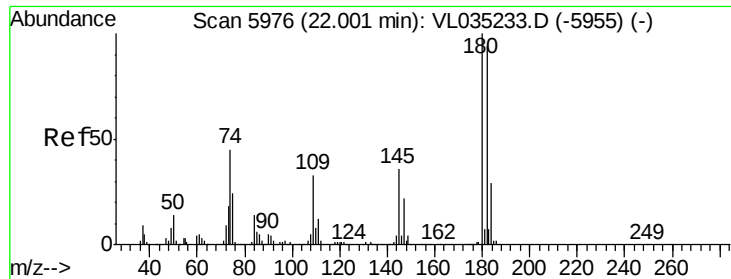
141 85.2 68.6 103.0

115 45.9 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

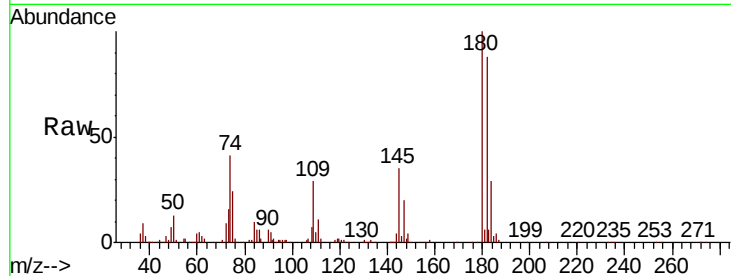




#81
 1,2,4-Trichlorobenzene
 Concen: 2.742 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 471111
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 184 30.5 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

