

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035236.D
 Acq On : 29 Jul 2020 4:39
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 29 06:01:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1384692	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3388260	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3057019	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2536697	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	106592	0.560	ppbv 89
3) Chlorodifluoromethane	2.94	51	86776	0.566	ppbv 97
4) Chloromethane	3.10	50	47490	0.549	ppbv # 82
5) Vinyl Chloride	3.22	62	43833	0.473	ppbv 92
6) Bromomethane	3.44	94	31976	0.608	ppbv # 73
7) Chloroethane	3.53	64	17421	0.532	ppbv # 84
8) Dichlorotetrafluoroethane	3.15	85	127355	0.596	ppbv 97
9) Propene	2.97	41	25317	0.441	ppbv 91
10) Heptane	8.14	43	46475	0.312	ppbv # 72
11) Trichlorofluoromethane	3.92	101	129353	0.586	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	89495	0.577	ppbv 99
13) Ethanol	3.59	45	3894	0.206	ppbv # 1
14) Bromoethene	3.71	108	13653	0.214	ppbv # 1
15) Acetone	3.83	43	111049	0.590	ppbv 92
16) 1,3-Butadiene	3.29	39	22133	0.307	ppbv # 51
17) tert-Butyl alcohol	4.27	59	34118	0.203	ppbv # 72
18) 1,1-Dichloroethene	4.26	96	21966	0.320	ppbv 88
19) Isopropyl Alcohol	3.95	45	67739	0.590	ppbv # 90
20) Methylene Chloride	4.32	84	54440	0.662	ppbv 91
21) Allyl Chloride	4.39	41	53029	0.484	ppbv 96
22) trans-1,2-Dichloroethene	4.87	96	36829	0.540	ppbv # 85
23) Vinyl Acetate	5.06	43	89867	0.447	ppbv # 92
24) 1,1-Dichloroethane	4.99	63	93880	0.537	ppbv # 95
25) Ethyl Acetate	5.68	43	144588	0.496	ppbv # 96
26) Hexane	5.67	57	23123	0.179	ppbv # 1
27) Carbon Disulfide	4.53	76	94524	0.527	ppbv # 82
28) Methyl tert-Butyl Ether	5.03	73	84640	0.433	ppbv 97
29) Chloroform	5.74	83	123252	0.569	ppbv 100
30) Cyclohexane	7.14	84	26682	0.280	ppbv # 16
31) cis-1,2-Dichloroethene	5.54	61	27220	0.225	ppbv # 85
32) 1,1,1-Trichloroethane	6.51	97	111315	0.514	ppbv 97
34) 2-Butanone	5.24	43	80737	0.447	ppbv 96
35) Carbon Tetrachloride	7.02	117	65672	0.297	ppbv 90
36) Benzene	6.90	78	42804	0.174	ppbv 94
37) 1,2-Dichloroethane	6.31	62	45383	0.274	ppbv # 83
38) Trichloroethene	7.85	130	43564	0.433	ppbv 90
39) 1,2-Dichloropropane	7.63	63	43153	0.439	ppbv 92
41) Tetrahydrofuran	6.06	42	22958	0.255	ppbv # 54
42) Bromodichloromethane	7.80	83	106715	0.482	ppbv 91
43) Methyl Methacrylate	8.02	69	14316	0.137	ppbv # 1
44) 2,2,4-Trimethylpentane	7.89	57	172457	0.405	ppbv # 89

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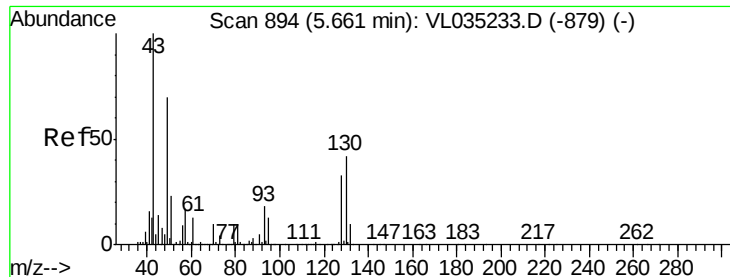
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 29 06:01:03 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) cis-1,3-Dichloropropene	8.73	75	42630	0.328	ppbv	93
47) 1,1,2-Trichloroethane	9.50	97	39390	0.365	ppbv #	76
48) Dibromochloromethane	10.34	129	28934	0.165	ppbv #	10
49) Bromoform	13.08	173	52867	0.342	ppbv #	78
51) 2-Hexanone	10.17	43	58560	0.294	ppbv #	99
52) Tetrachloroethene	11.26	164	22893	0.248	ppbv #	77
53) Toluene	9.83	91	49647	0.191	ppbv #	53
54) 1,2-Dibromoethane	10.63	107	31806	0.199	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	35030	0.255	ppbv #	10
57) Chlorobenzene	12.18	112	75640	0.331	ppbv	90
58) Ethyl Benzene	12.75	91	79565	0.233	ppbv	94
59) m/p-Xylene	13.02	91	40220	0.132	ppbv #	30
60) o-Xylene	13.73	91	130101	0.427	ppbv	95
61) Styrene	13.56	104	58137	0.309	ppbv	99
62) Isopropylbenzene	14.71	105	198227	0.439	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	131915	0.518	ppbv	96
64) n-propylbenzene	15.61	120	28792	0.246	ppbv #	1
65) tert-Butylbenzene	16.78	119	69492	0.171	ppbv #	16
66) Benzyl Chloride	17.04	91	36622	0.251	ppbv #	42
67) sec-Butylbenzene	17.34	105	271664	0.460	ppbv	97
69) p-Isopropyltoluene	17.70	119	207517	0.445	ppbv	95
70) n-Butylbenzene	18.60	91	146587	0.296	ppbv #	64
71) 2-Chlorotoluene	15.49	91	140686	0.411	ppbv	97
72) 4-Ethyltoluene	15.88	105	131961	0.383	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.04	105	137563	0.415	ppbv	93
74) 1,2,4-Trimethylbenzene	16.80	105	184192	0.500	ppbv	99
75) 1,3-Dichlorobenzene	17.04	146	142248	0.608	ppbv	93
76) 1,4-Dichlorobenzene	17.18	146	105313	0.485	ppbv	94
77) 1,2-Dichlorobenzene	17.86	146	52446	0.248	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.43	225	77864	0.471	ppbv #	70
79) Naphthalene	22.27	128	98186	0.401	ppbv #	92
80) Naphthalene,2-methyl-	25.03	142	32060	0.550	ppbv	93
81) 1,2,4-Trichlorobenzene	22.00	180	66121	0.428	ppbv #	74

(#) = 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

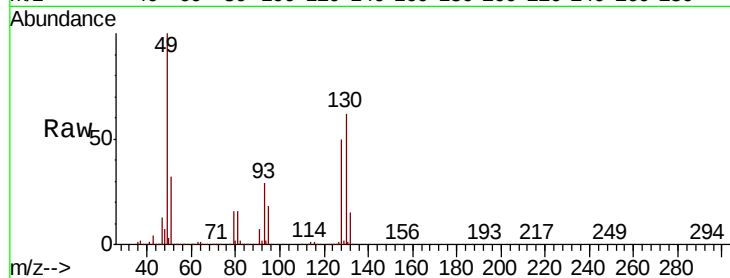
Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1384692

Ion	Ratio	Lower	Upper
49	100		
128	50.0	24.0	72.0
130	62.9	30.7	92.1

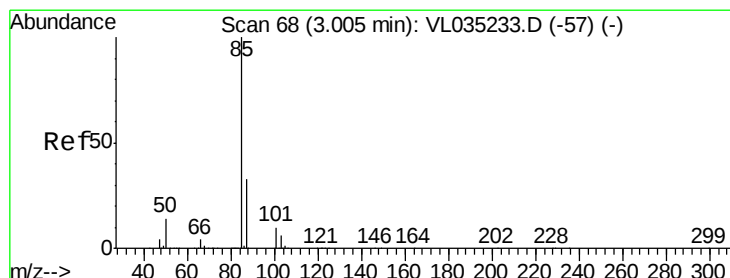
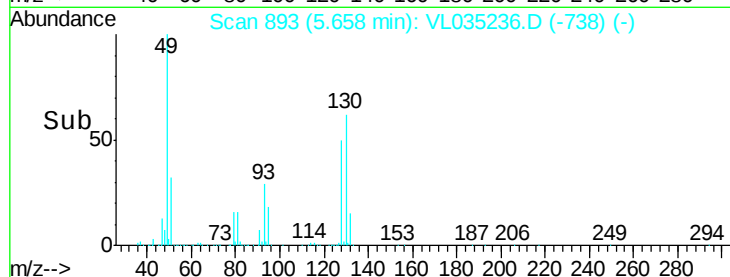


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#2

Dichlorodifluoromethane

Concen: 0.560 ppbv

RT: 3.01 min Scan# 68

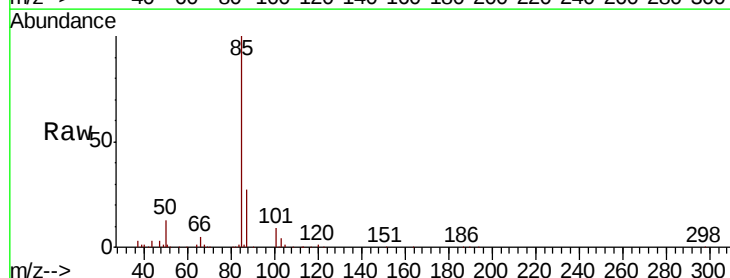
Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion: 85 Resp: 106592

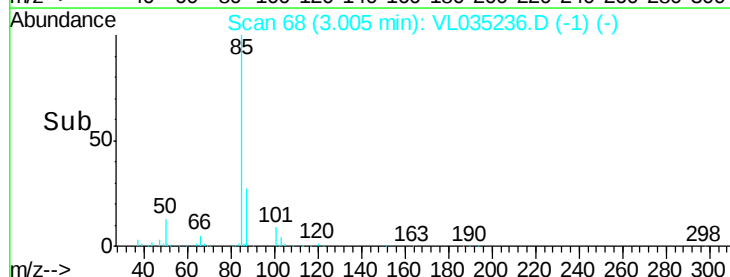
Ion	Ratio	Lower	Upper
85	100		
87	27.4	26.7	40.1

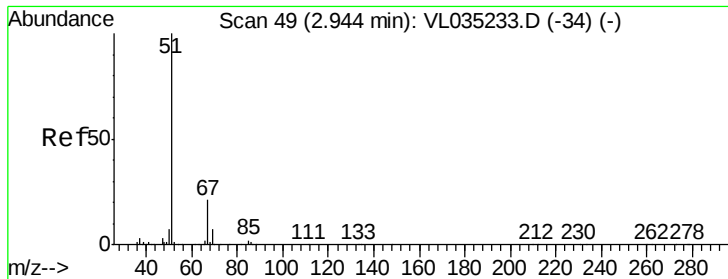


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->

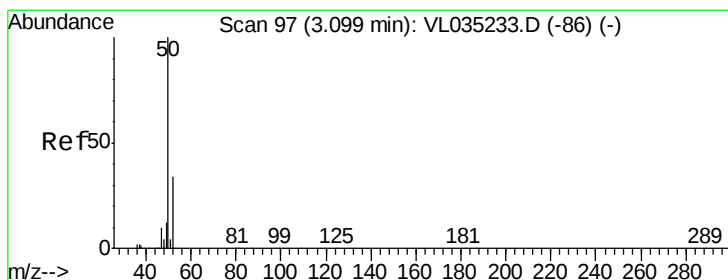
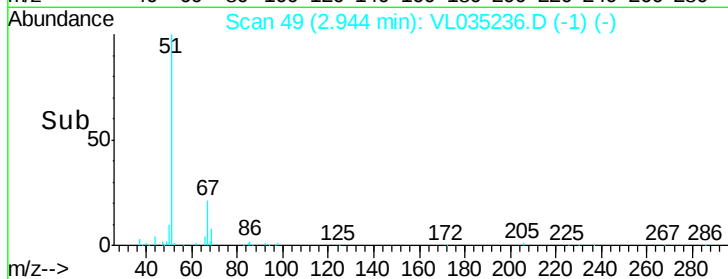
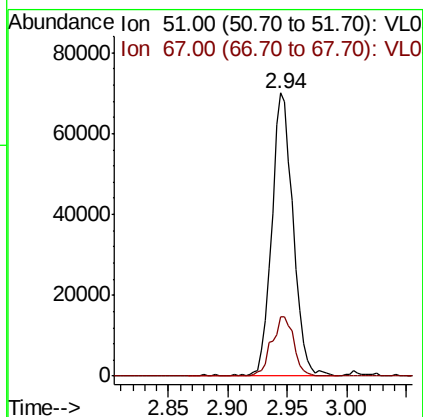
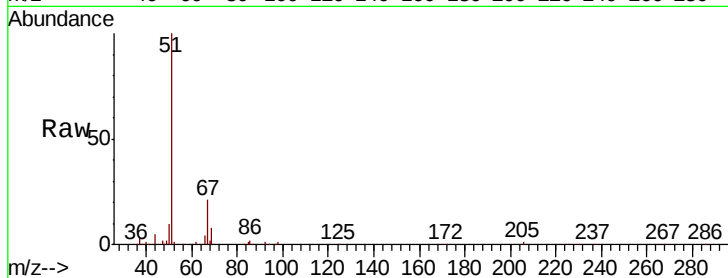




#3
 Chlorodifluoromethane
 Concen: 0.566 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

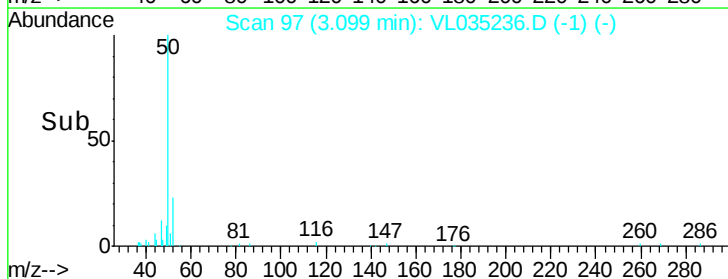
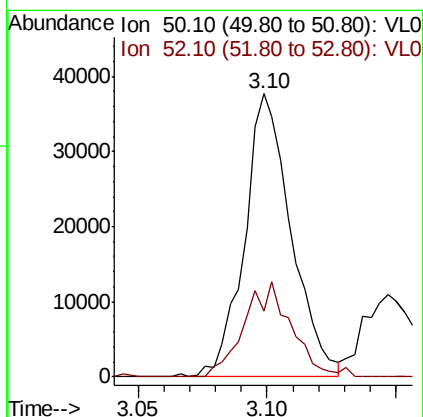
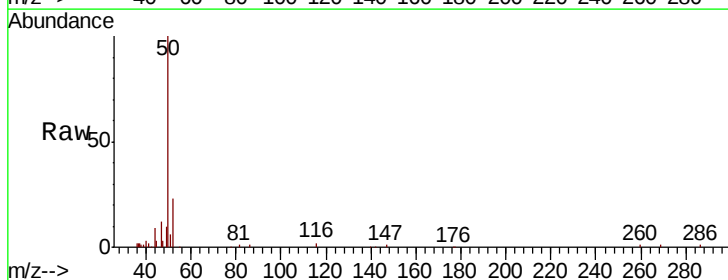
Instrument :
 MSVOA_L
 ClientSampleId :

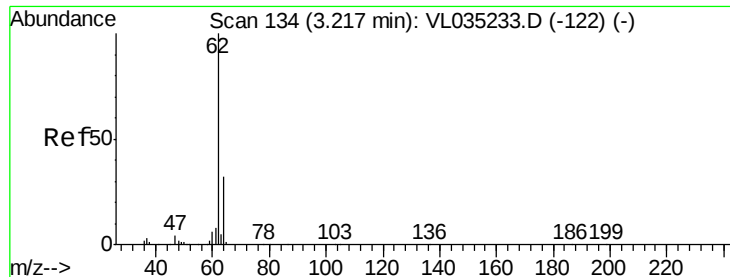
Tot Ion: 51 Resp: 86776
 Ion Ratio Lower Upper
 51 100
 67 22.0 16.6 25.0



#4
 Chloromethane
 Concen: 0.549 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion: 50 Resp: 47490
 Ion Ratio Lower Upper
 50 100
 52 23.4 27.1 40.7#





#5

Vinyl Chloride

Concen: 0.473 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

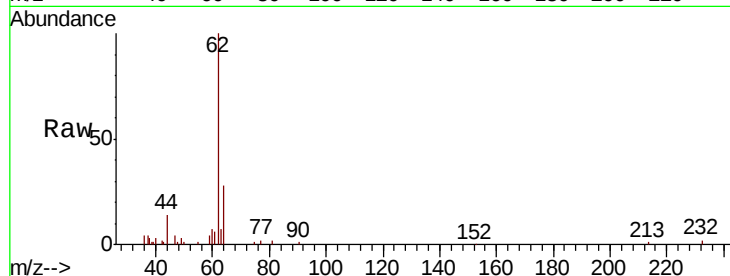
ClientSampleId :

Tot Ion: 62 Resp: 43833

Ion Ratio Lower Upper

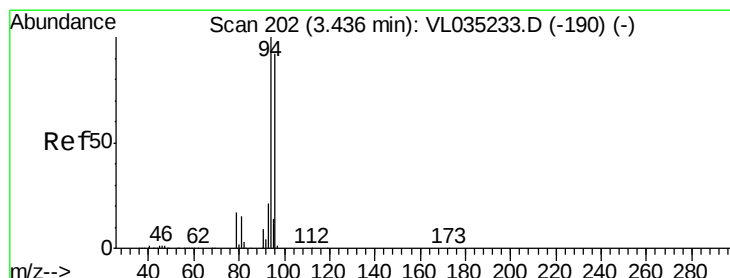
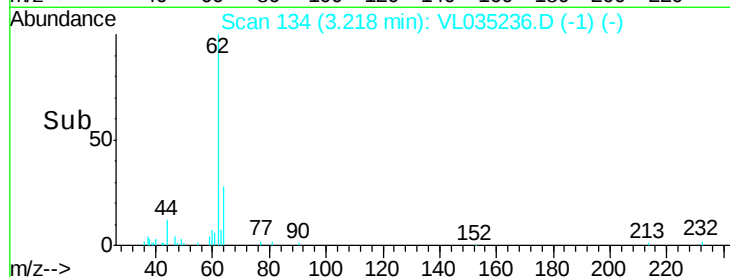
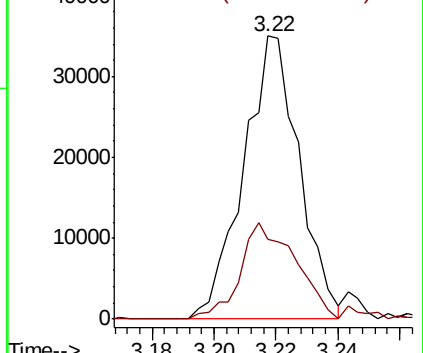
62 100

64 28.0 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: 0.608 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035236.D

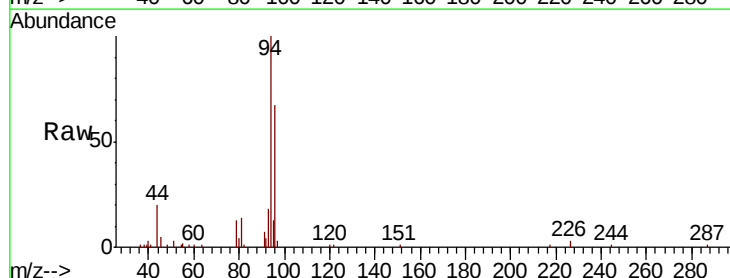
Acq: 29 Jul 2020 4:39

Tgt Ion: 94 Resp: 31976

Ion Ratio Lower Upper

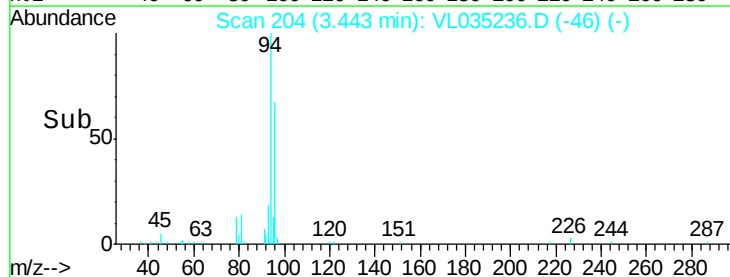
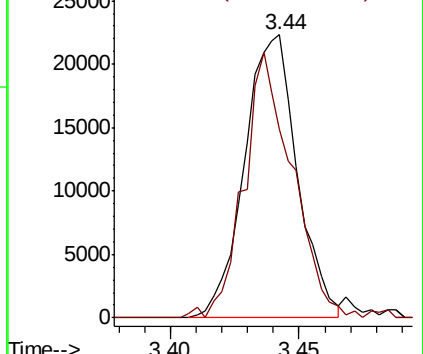
94 100

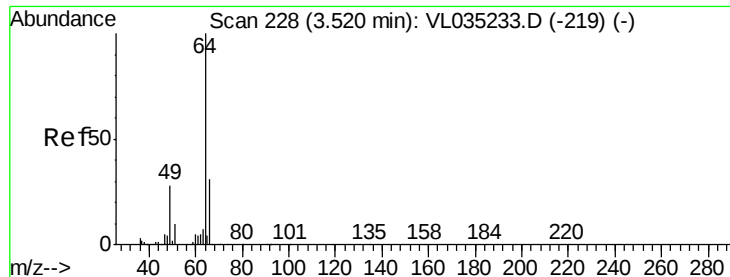
96 65.4 73.2 109.8#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.532 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

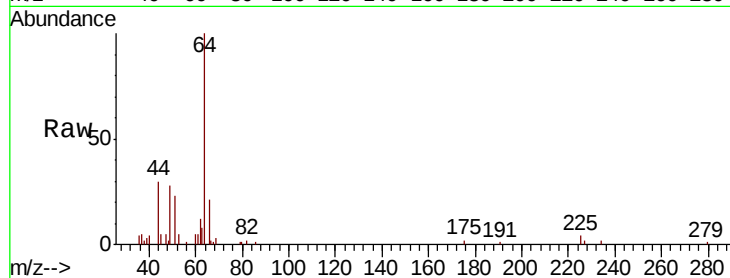
ClientSampleId :

Tot Ion: 64 Resp: 17421

Ion Ratio Lower Upper

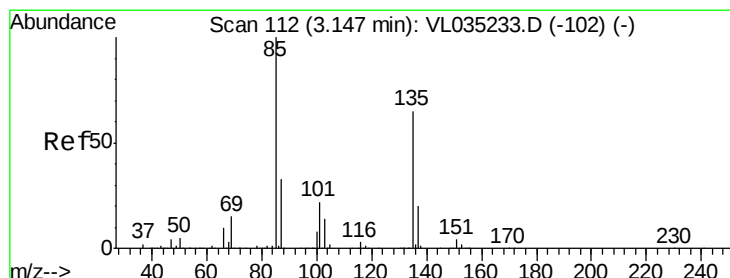
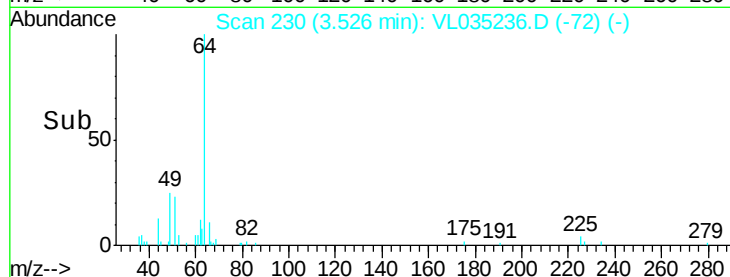
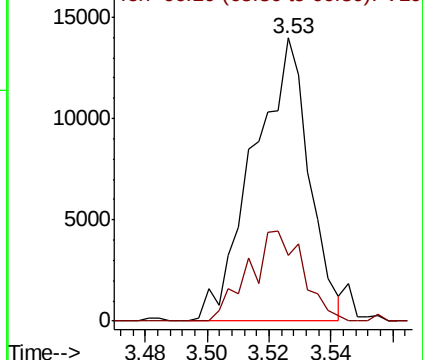
64 100

66 23.1 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: 0.596 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035236.D

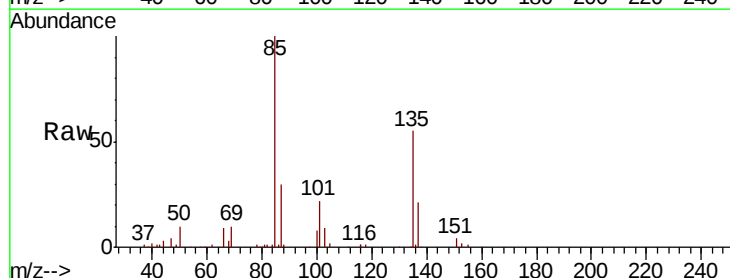
Acq: 29 Jul 2020 4:39

Tgt Ion: 85 Resp: 127355

Ion Ratio Lower Upper

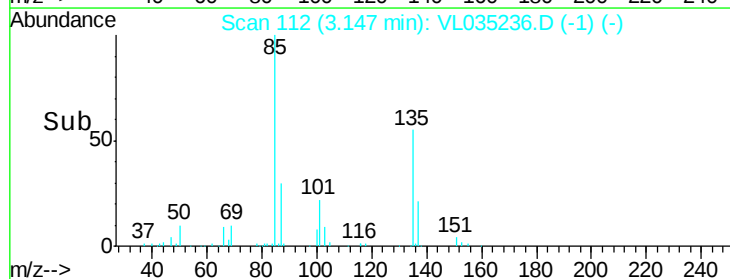
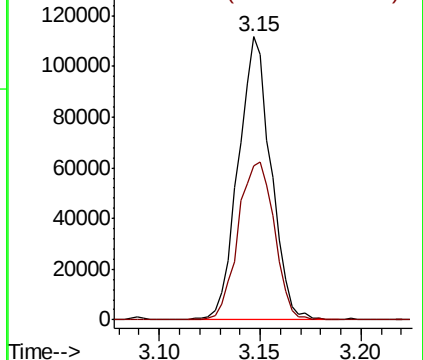
85 100

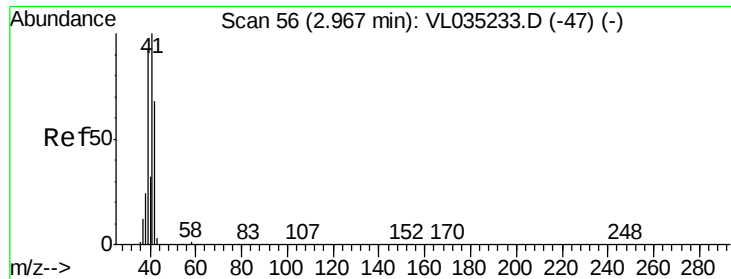
135 61.5 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.441 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

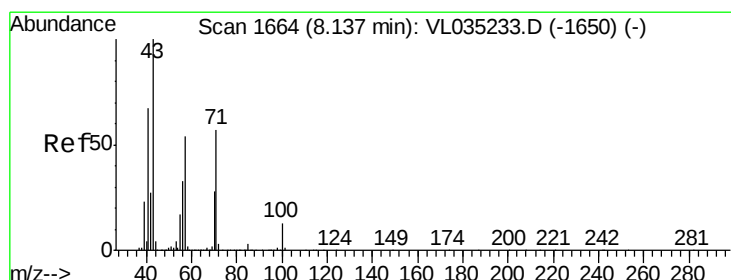
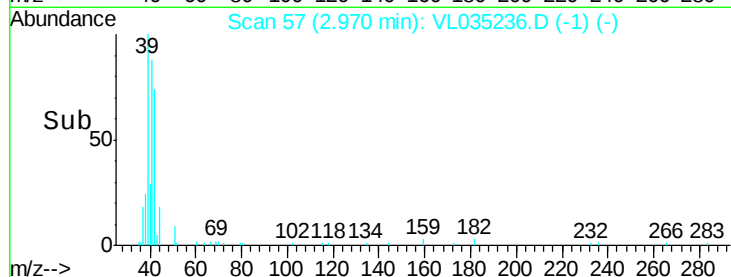
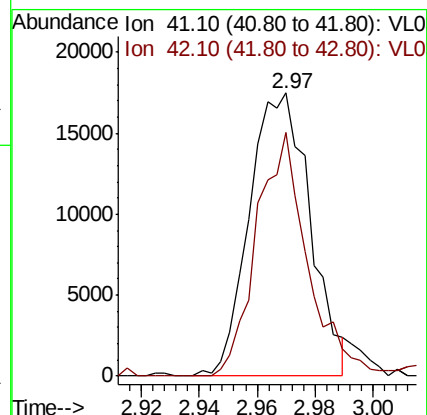
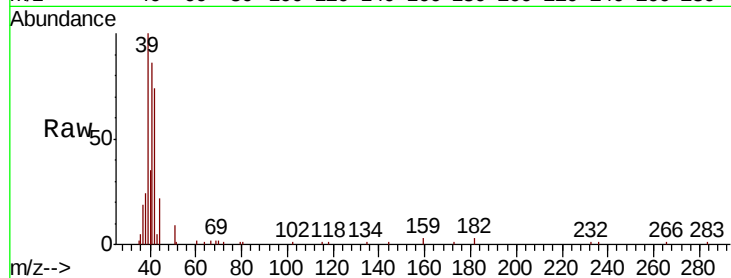
ClientSampleId :

Tot Ion: 41 Resp: 25317

Ion Ratio Lower Upper

41 100

42 76.4 55.0 82.6



#10

Heptane

Concen: 0.312 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL035236.D

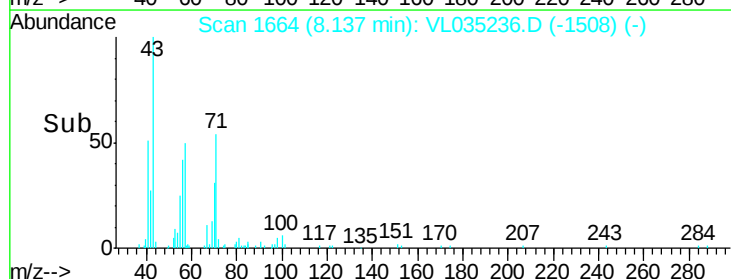
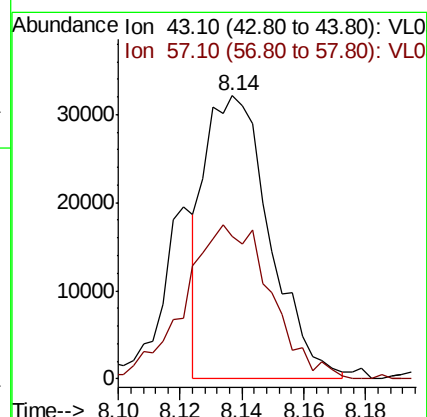
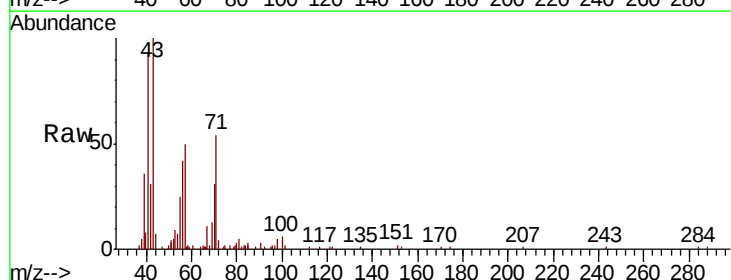
Acq: 29 Jul 2020 4:39

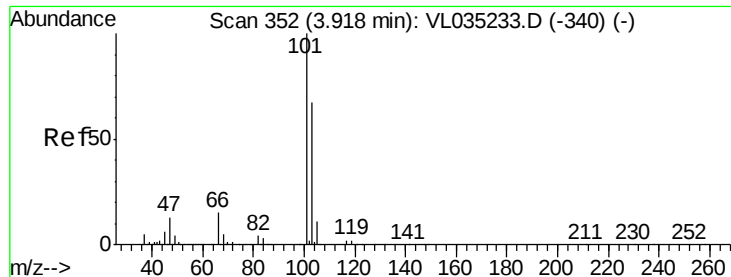
Tgt Ion: 43 Resp: 46475

Ion Ratio Lower Upper

43 100

57 73.5 43.0 64.4#





#11

Trichlorofluoromethane

Concen: 0.586 ppbv

RT: 3.92 min Scan# 353

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

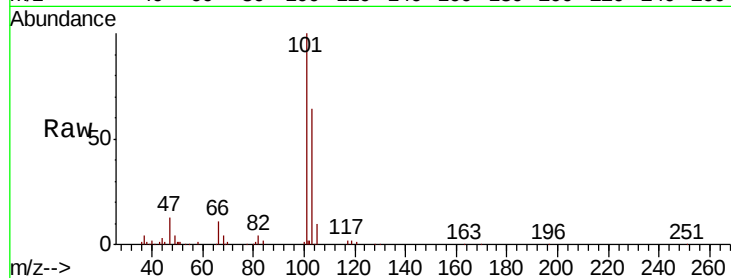
ClientSampleId :

Tot Ion:101 Resp: 129353

Ion Ratio Lower Upper

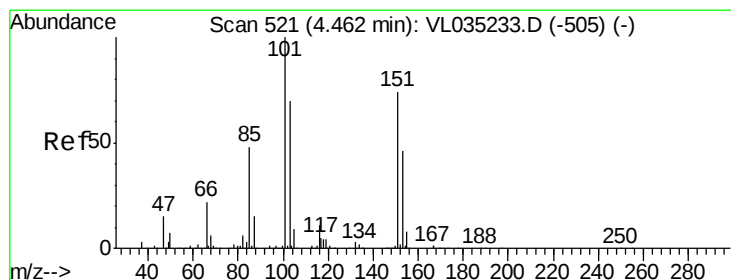
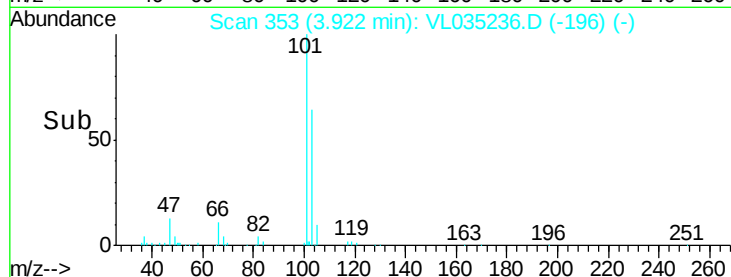
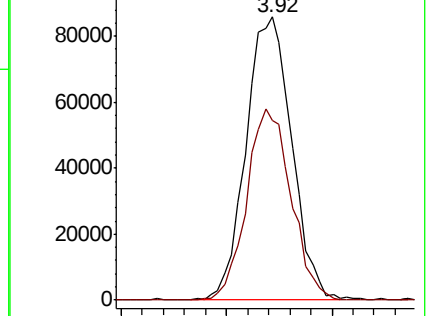
101 100

103 63.7 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: 0.577 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL035236.D

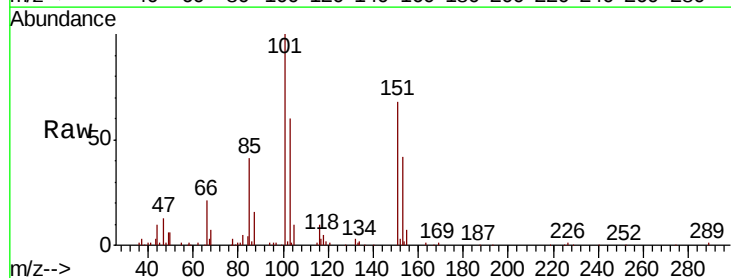
Acq: 29 Jul 2020 4:39

Tgt Ion:101 Resp: 89495

Ion Ratio Lower Upper

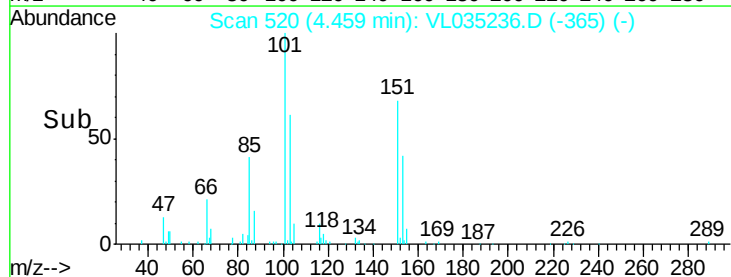
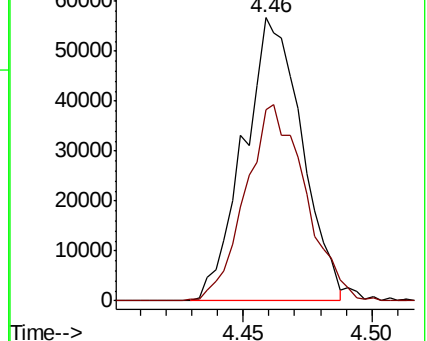
101 100

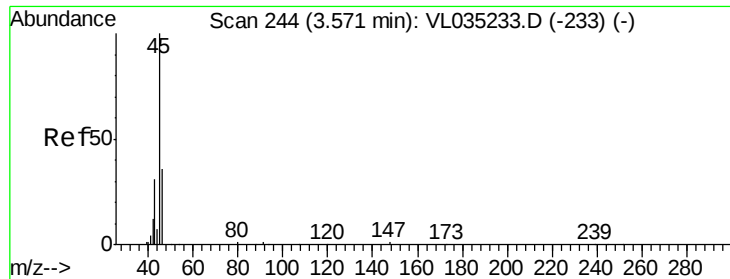
151 71.4 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.206 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

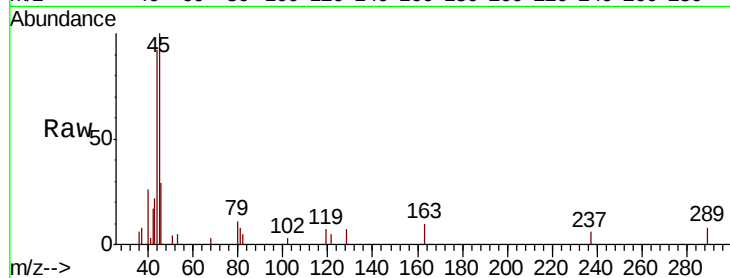
ClientSampleId :

Tot Ion: 45 Resp: 3894

Ion Ratio Lower Upper

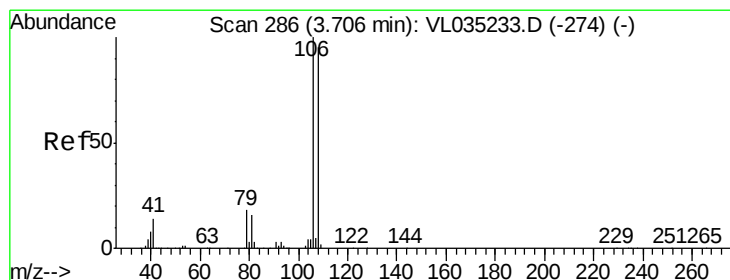
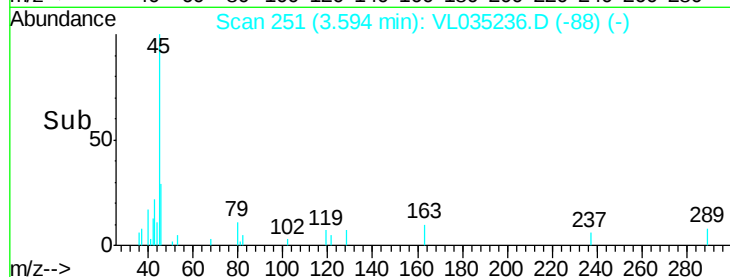
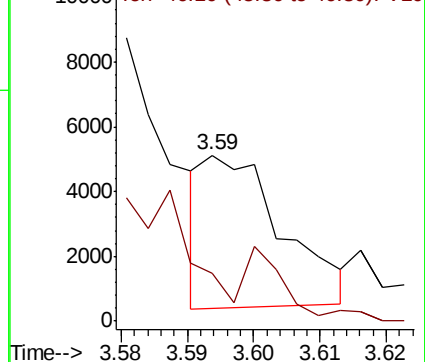
45 100

46 136.9 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: 0.214 ppbv

RT: 3.71 min Scan# 288

Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

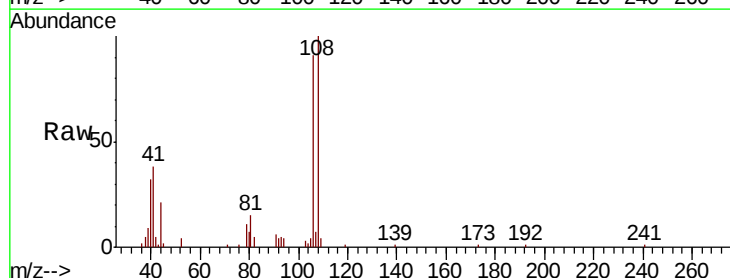
Tgt Ion: 108 Resp: 13653

Ion Ratio Lower Upper

108 100

106 262.1 85.0 127.6#

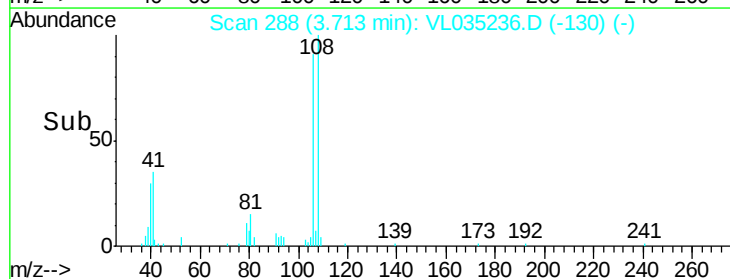
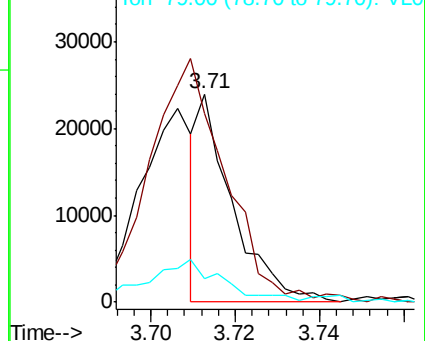
79 50.8 15.4 23.2#

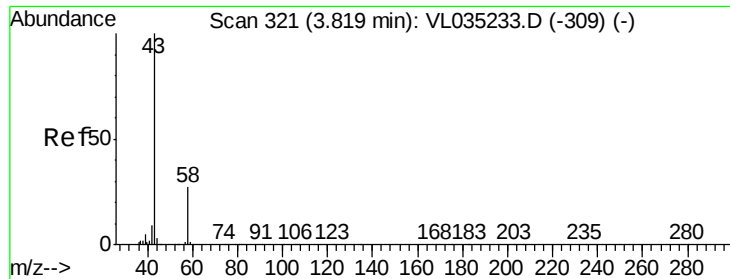


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

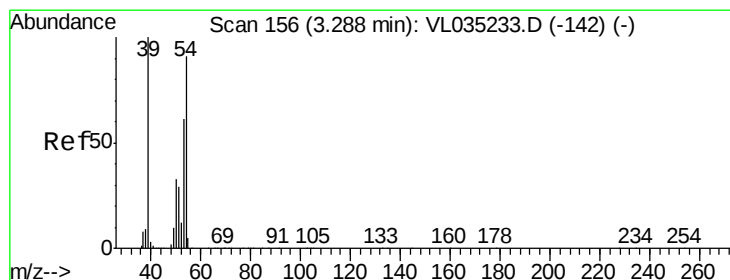
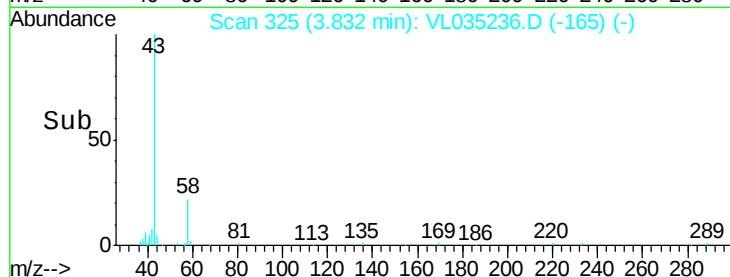
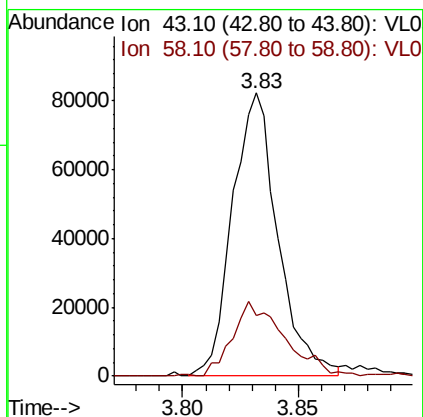
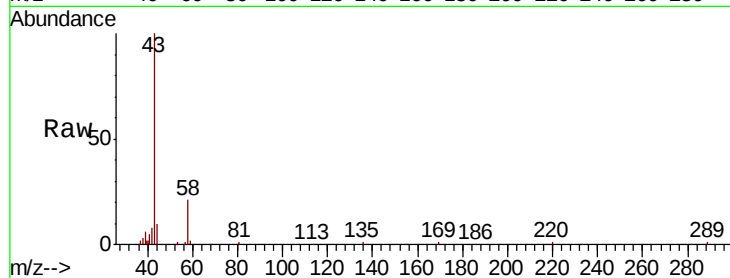




#15
Acetone
Concen: 0.590 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

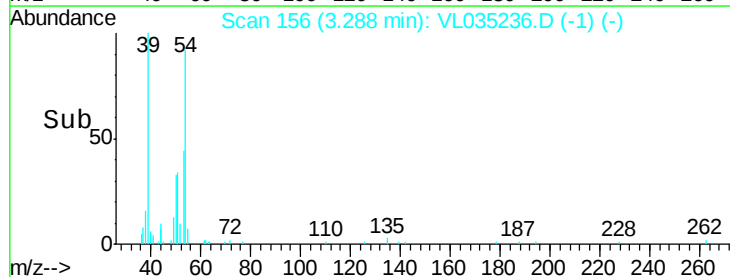
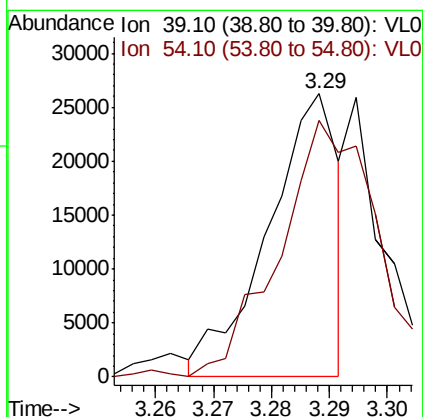
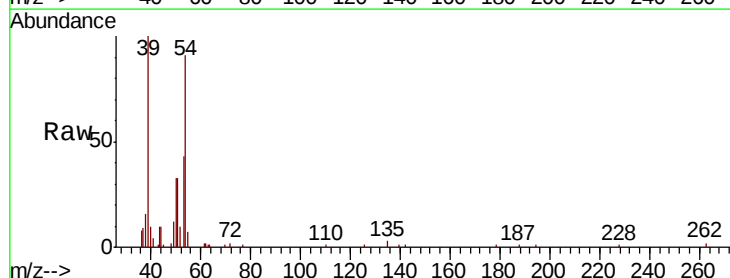
Instrument :
MSVOA_L
ClientSampleId :

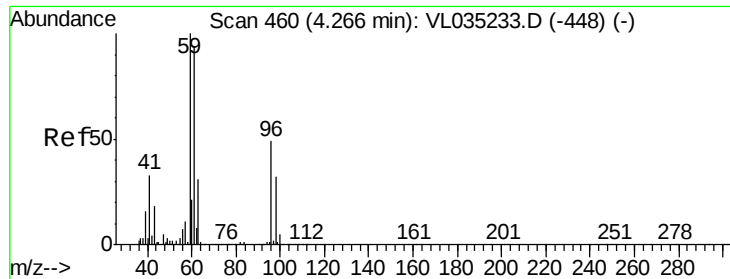
Tot Ion: 43 Resp: 111049
Ion Ratio Lower Upper
43 100
58 31.1 21.8 32.6



#16
1,3-Butadiene
Concen: 0.307 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion: 39 Resp: 22133
Ion Ratio Lower Upper
39 100
54 130.2 68.2 102.2#



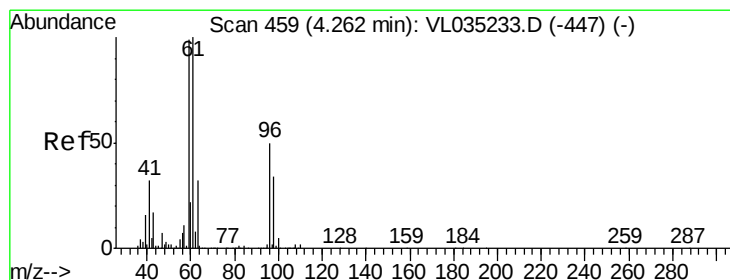
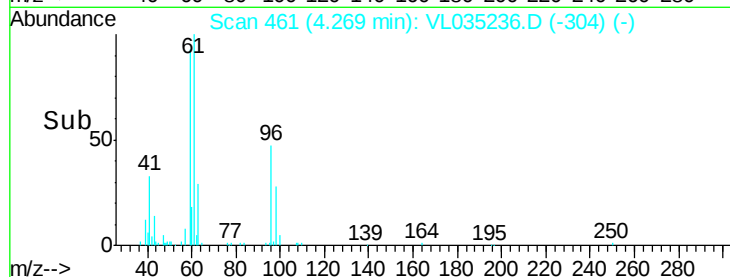
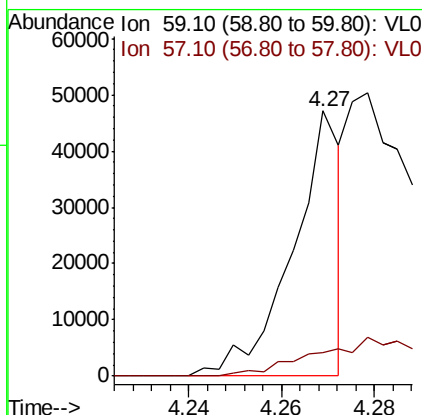
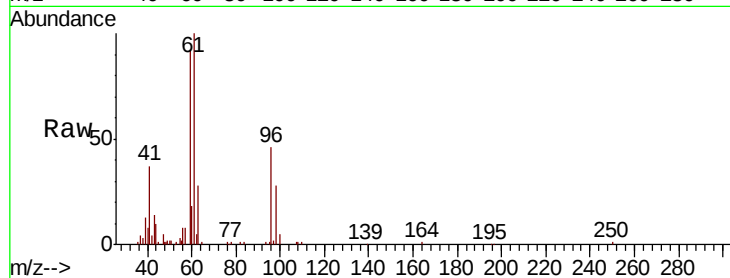


#17

tert-Butyl alcohol
Concen: 0.203 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampled :

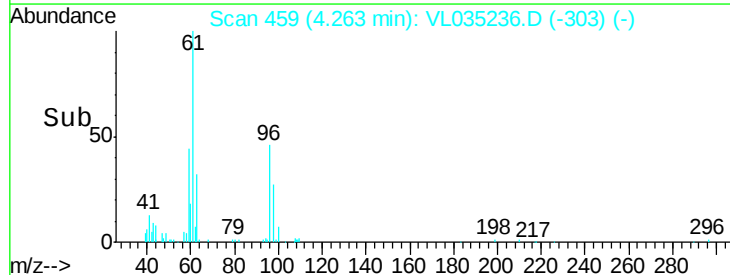
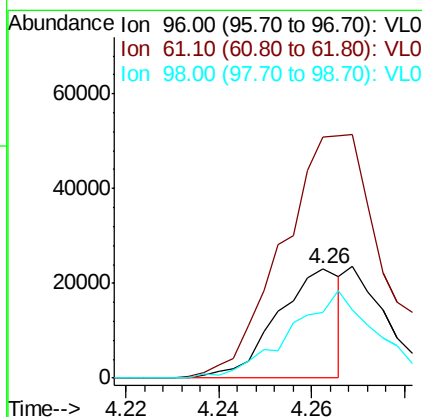
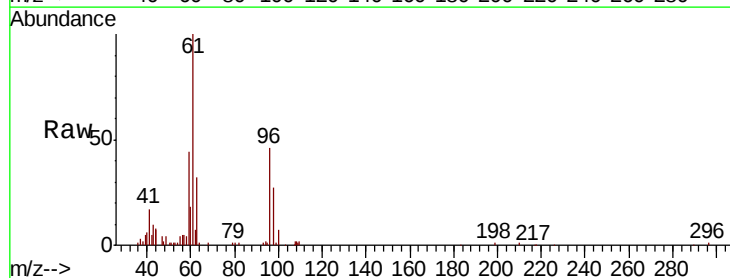
Tot Ion: 59 Resp: 34118
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

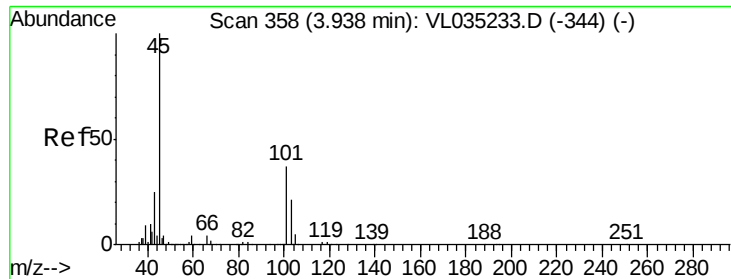


#18

1,1-Dichloroethene
Concen: 0.320 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion: 96 Resp: 21966
Ion Ratio Lower Upper
96 100
61 218.1 159.4 239.2
98 60.3 53.9 80.9





#19

Isopropyl Alcohol

Concen: 0.590 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

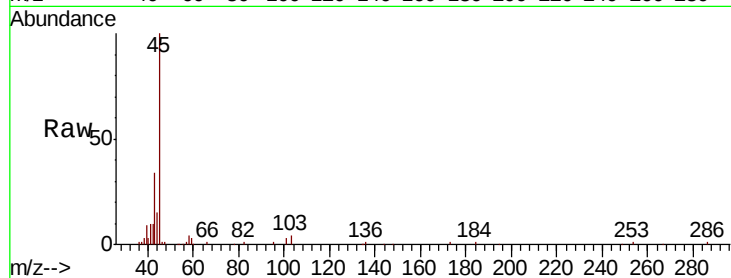
ClientSampled :

Tot Ion: 45 Resp: 67739

Ion Ratio Lower Upper

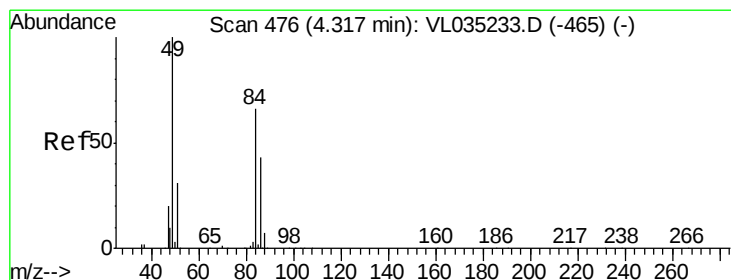
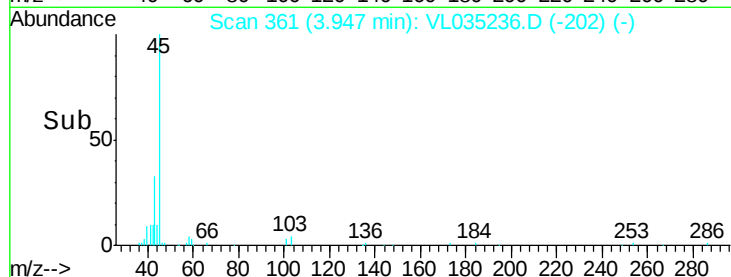
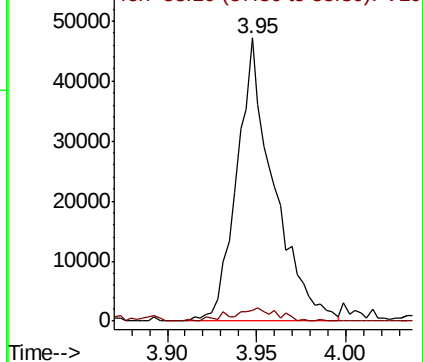
45 100

58 5.7 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: 0.662 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion: 84 Resp: 54440

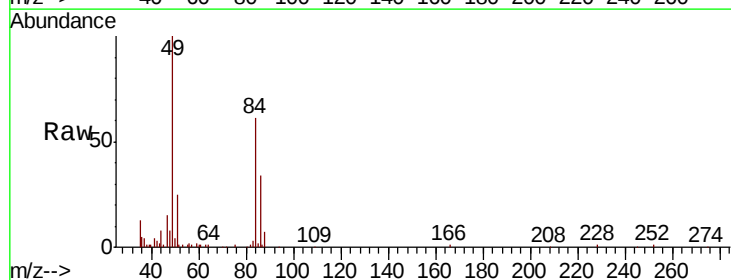
Ion Ratio Lower Upper

84 100

49 163.7 121.0 181.4

51 43.3 37.7 56.5

86 57.1 52.2 78.4

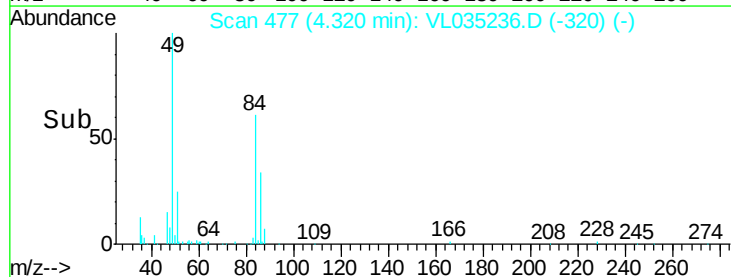
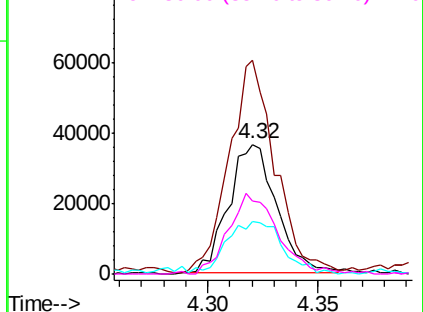


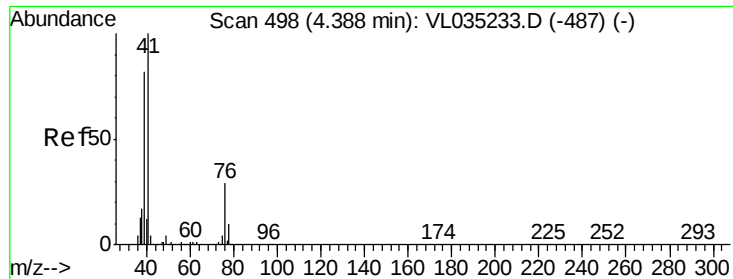
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.484 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

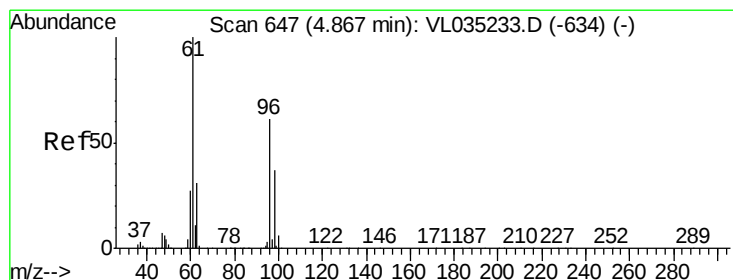
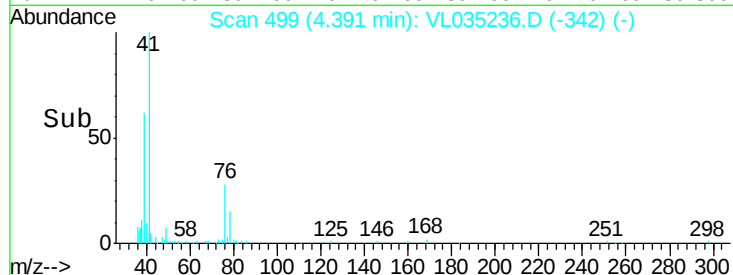
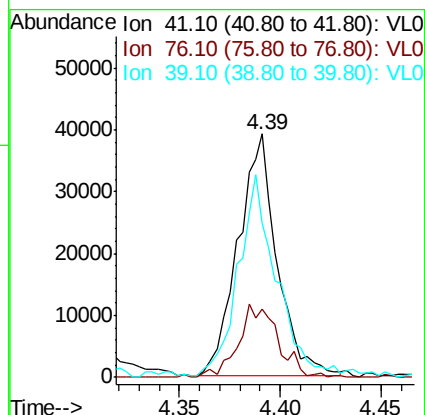
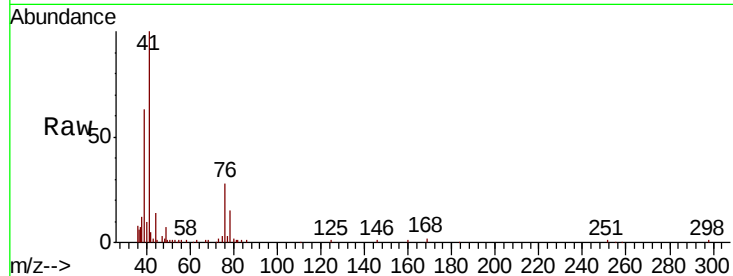
Tot Ion: 41 Resp: 53029

Ion Ratio Lower Upper

41 100

76 30.9 24.4 36.6

39 85.1 63.8 95.8



#22

trans-1,2-Dichloroethene

Concen: 0.540 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

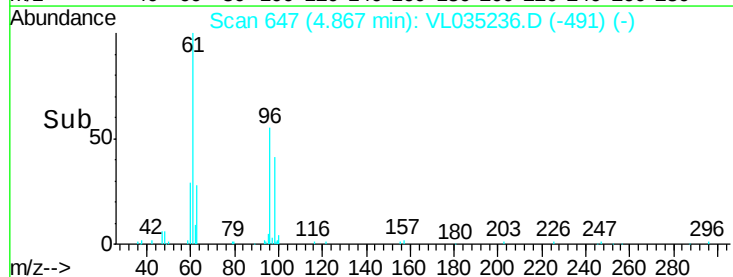
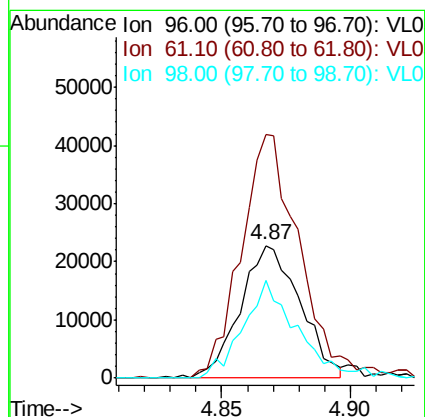
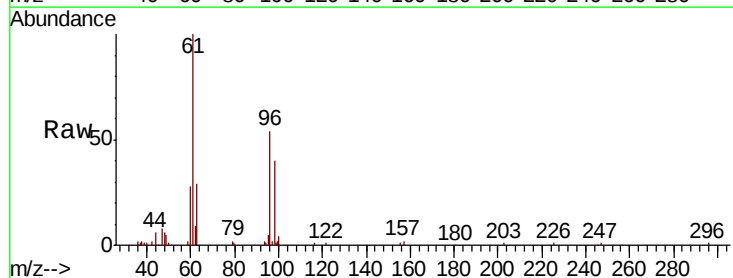
Tgt Ion: 96 Resp: 36829

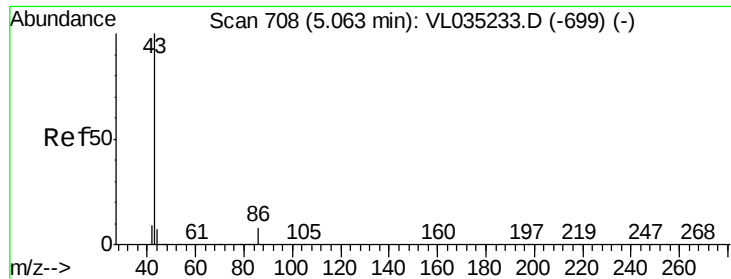
Ion Ratio Lower Upper

96 100

61 183.7 131.6 197.4

98 74.2 49.0 73.4#





#23

Vinyl Acetate

Concen: 0.447 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL035236.D

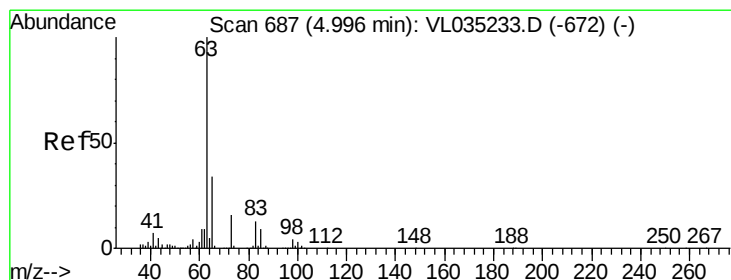
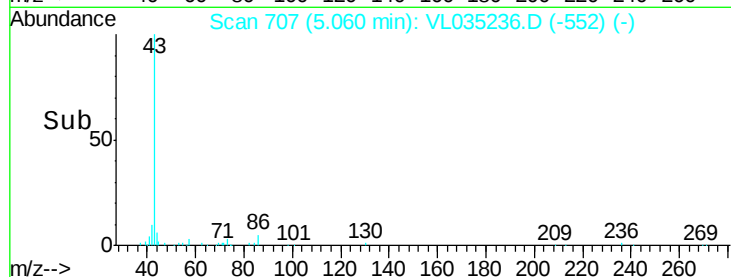
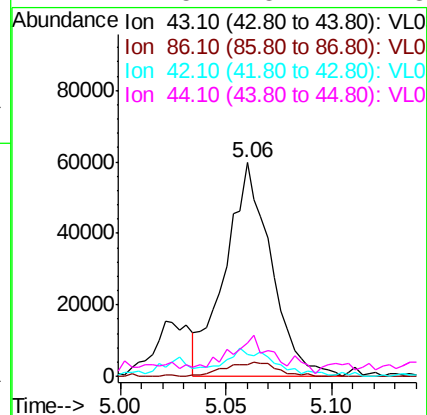
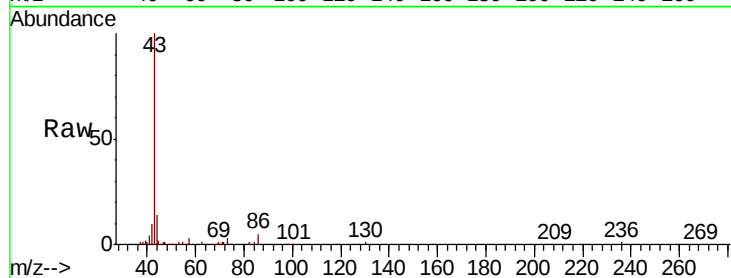
Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	43	Resp:	89867
Ion	Ratio	Lower	Upper
43	100		
86	5.2	6.2	9.2#
42	8.0	8.0	12.0
44	11.5	5.2	7.8#



#24

1,1-Dichloroethane

Concen: 0.537 ppbv

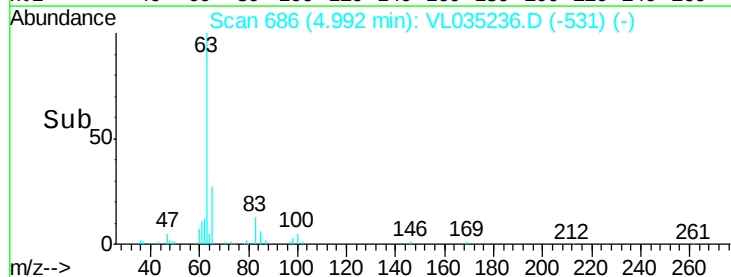
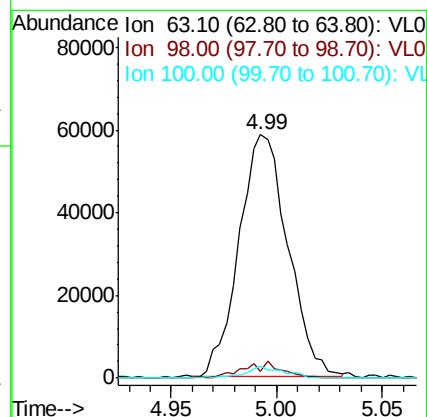
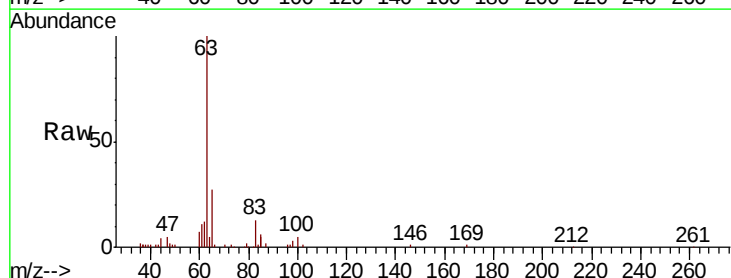
RT: 4.99 min Scan# 686

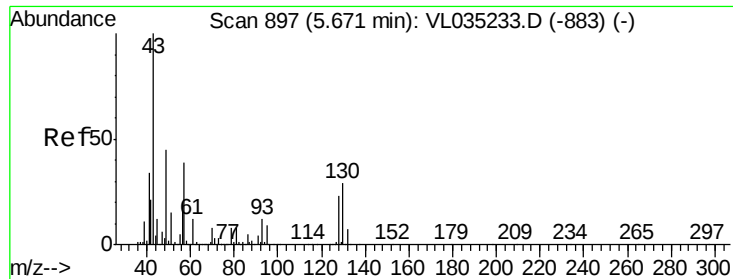
Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion:	63	Resp:	93880
Ion	Ratio	Lower	Upper
63	100		
98	2.7	1.9	5.7
100	5.2	1.4	4.2#

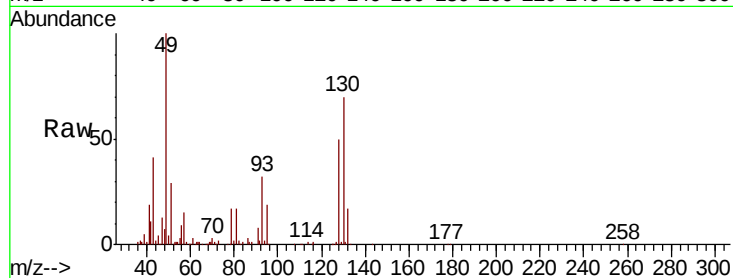




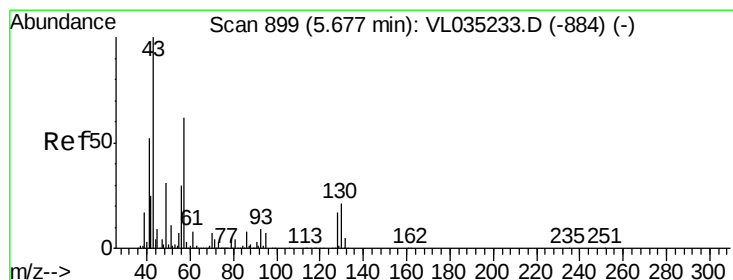
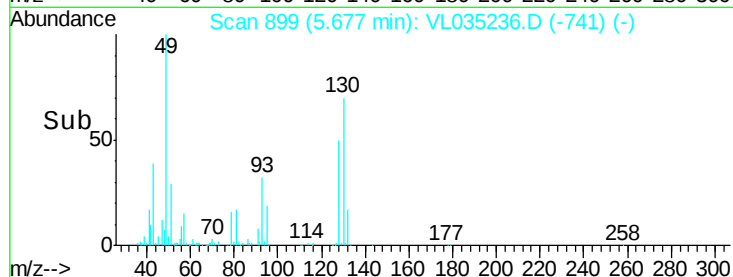
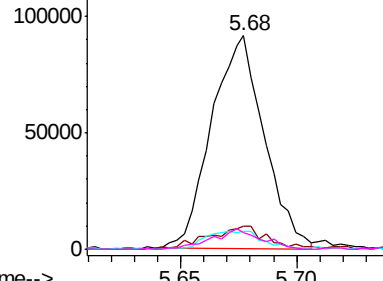
#25
Ethyl Acetate
Concen: 0.496 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	144588
Ion	Ratio	Lower	Upper
43	100		
45	13.3	8.5	12.7#
61	10.0	8.1	12.1
70	9.0	6.2	9.4

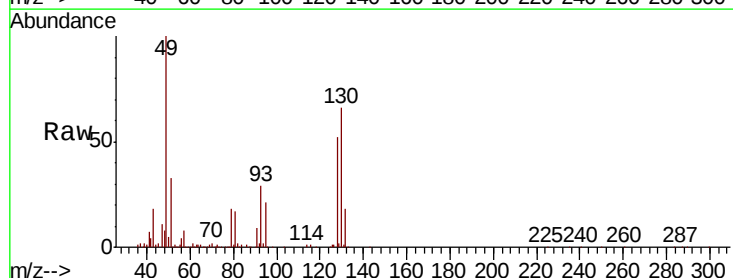


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

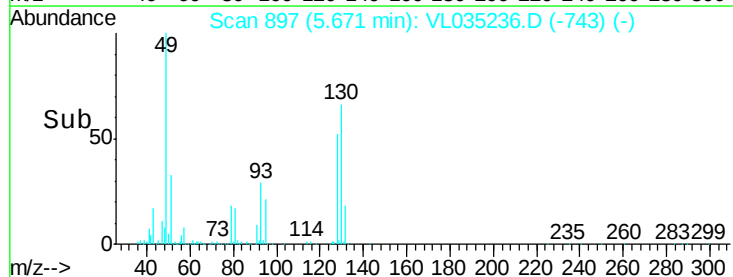
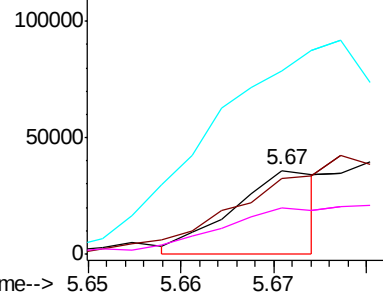


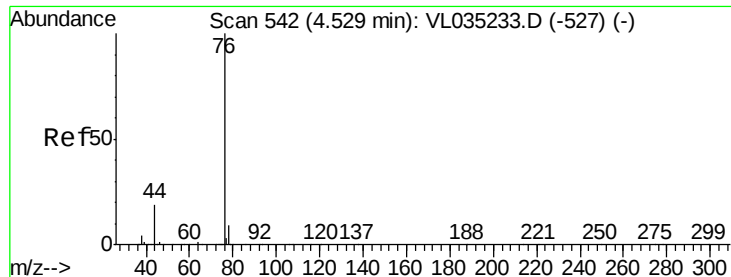
#26
Hexane
Concen: 0.179 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion:	57	Resp:	23123
Ion	Ratio	Lower	Upper
57	100		
41	0.0	73.9	110.9#
43	0.0	177.6	266.4#
56	0.0	43.0	64.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

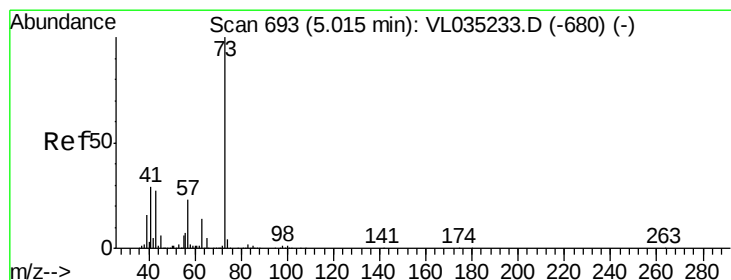
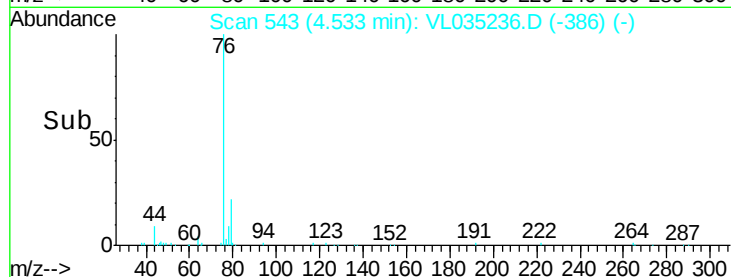
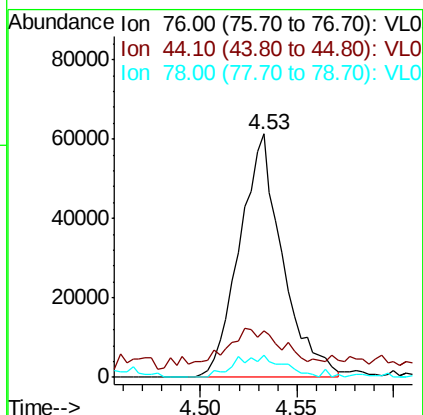
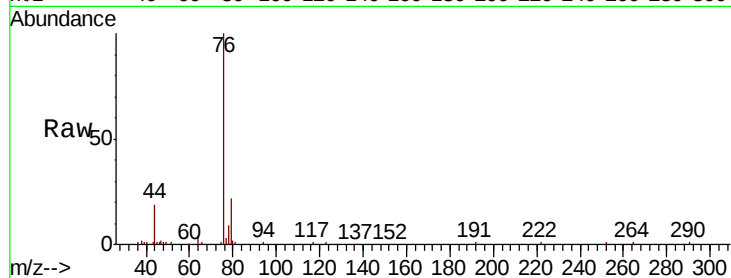




#27
Carbon Disulfide
Concen: 0.527 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

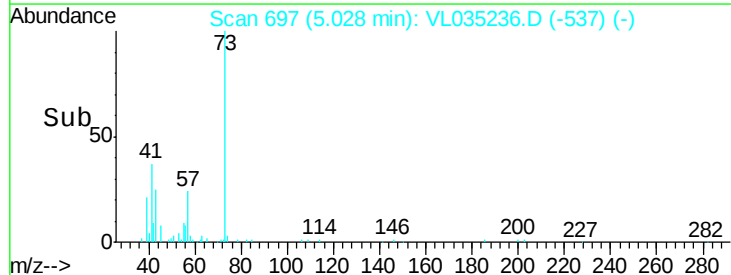
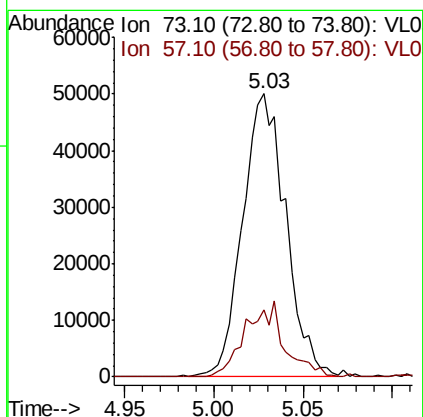
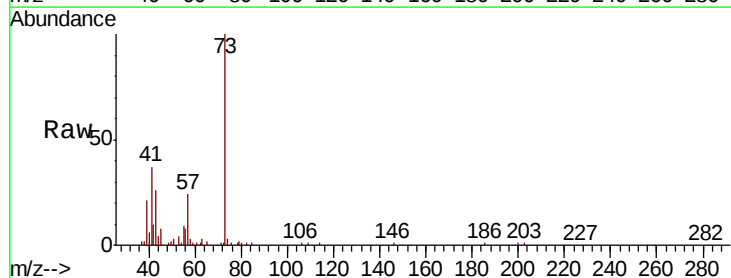
Instrument :
MSVOA_L
ClientSampleId :

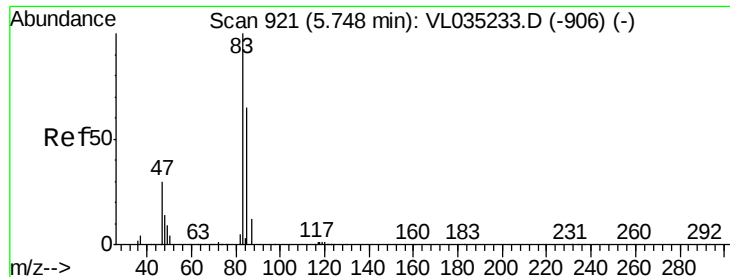
Tot Ion: 76 Resp: 94524
Ion Ratio Lower Upper
76 100
44 30.0 14.7 22.1#
78 10.5 7.6 11.4



#28
Methyl tert-Butyl Ether
Concen: 0.433 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion: 73 Resp: 84640
Ion Ratio Lower Upper
73 100
57 24.2 18.2 27.4





#29

Chloroform

Concen: 0.569 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

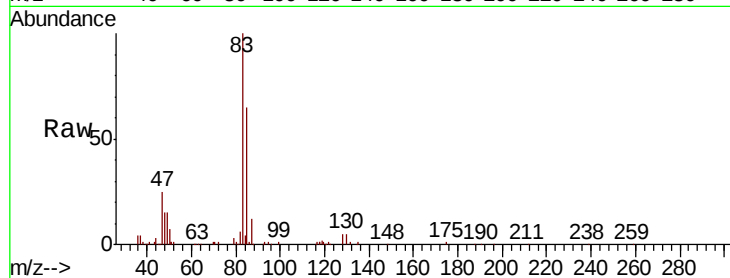
ClientSampleId :

Tot Ion: 83 Resp: 123252

Ion Ratio Lower Upper

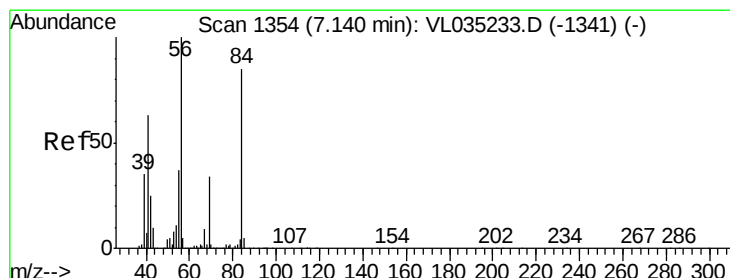
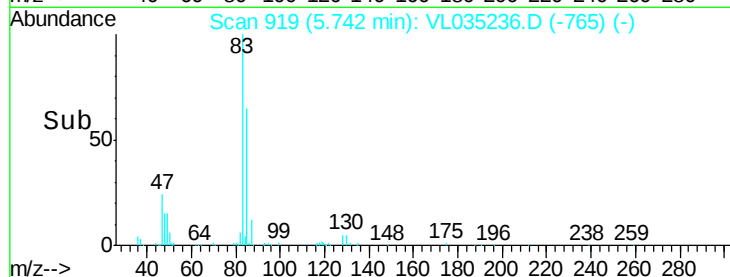
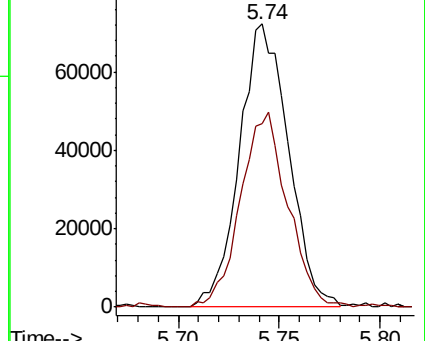
83 100

85 64.7 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.280 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

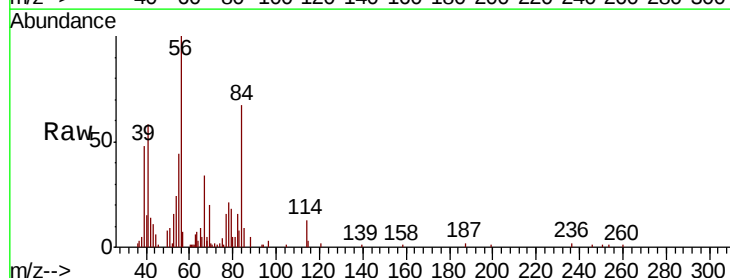
Tgt Ion: 84 Resp: 26682

Ion Ratio Lower Upper

84 100

56 0.0 104.2 156.2#

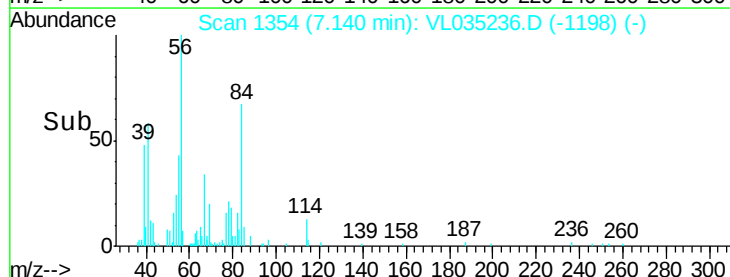
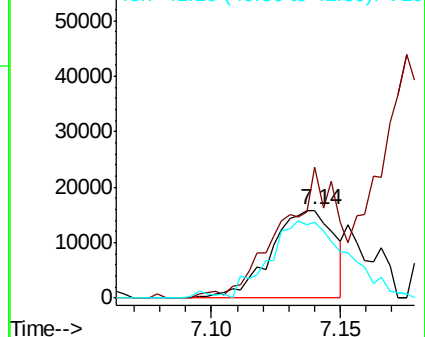
41 113.6 63.7 95.5#

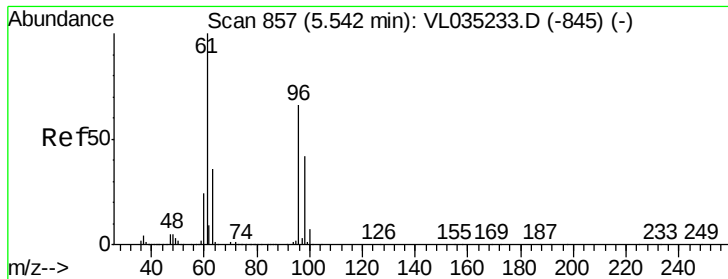


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.225 ppbv

RT: 5.54 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

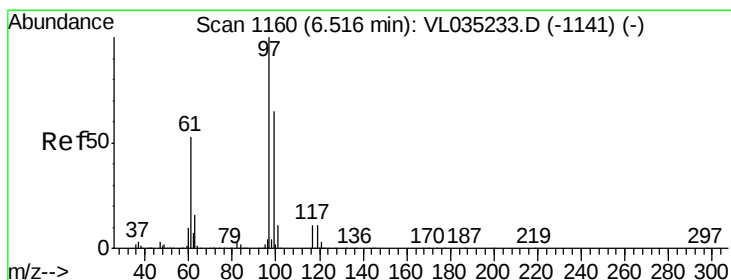
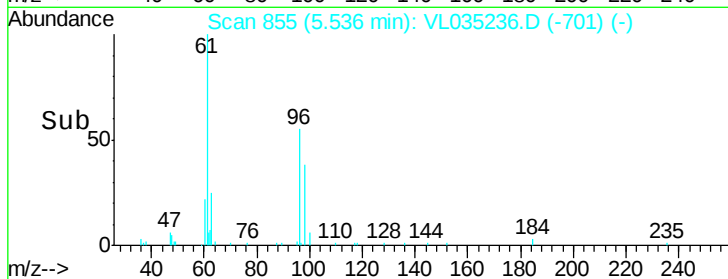
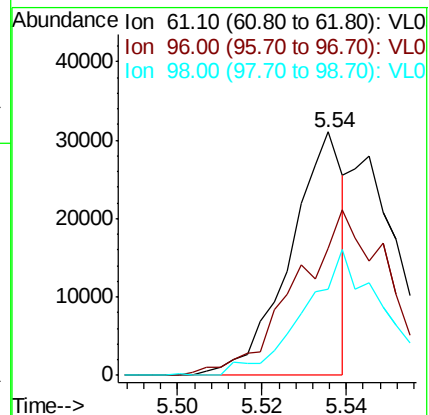
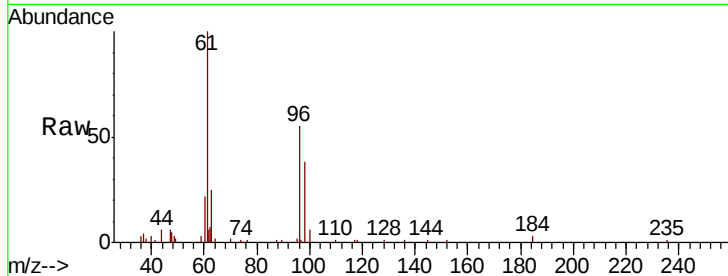
Tot Ion: 61 Resp: 27220

Ion Ratio Lower Upper

61 100

96 51.1 52.6 78.8#

98 35.3 33.7 50.5



#32

1,1,1-Trichloroethane

Concen: 0.514 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

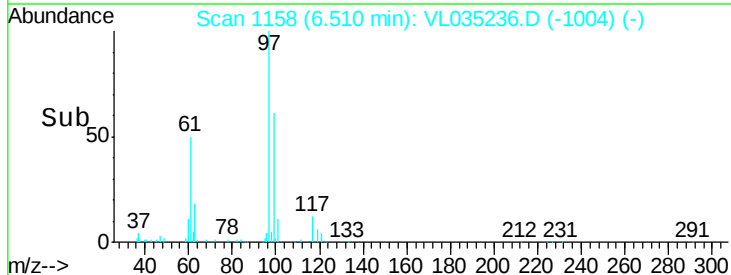
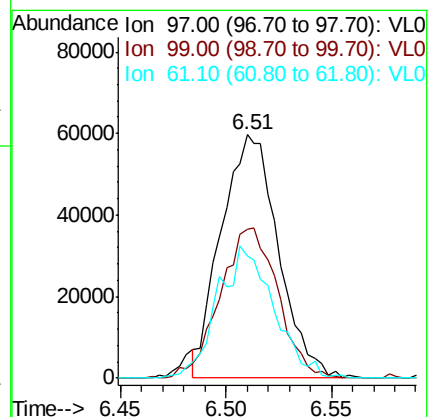
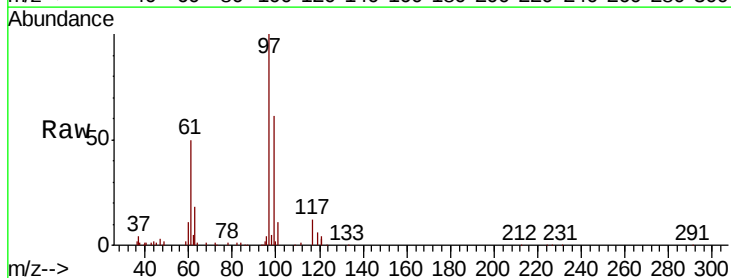
Tgt Ion: 97 Resp: 111315

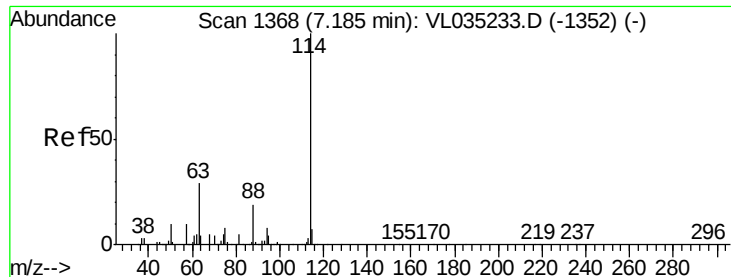
Ion Ratio Lower Upper

97 100

99 62.8 51.4 77.0

61 53.9 40.4 60.6



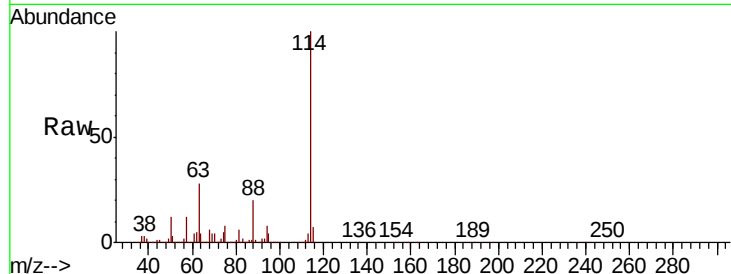


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

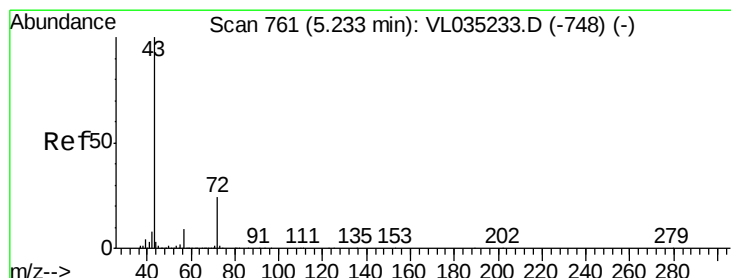
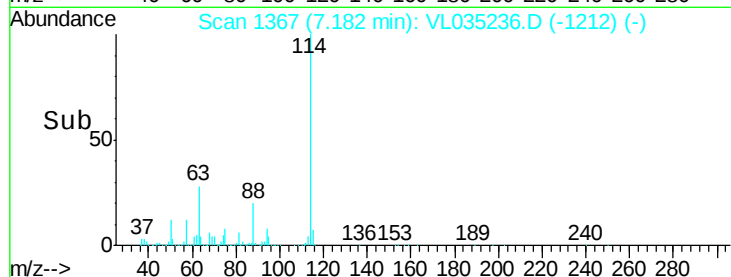
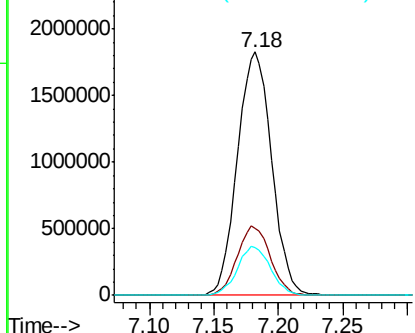
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3388260

Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.2
88	19.4	15.4	23.0



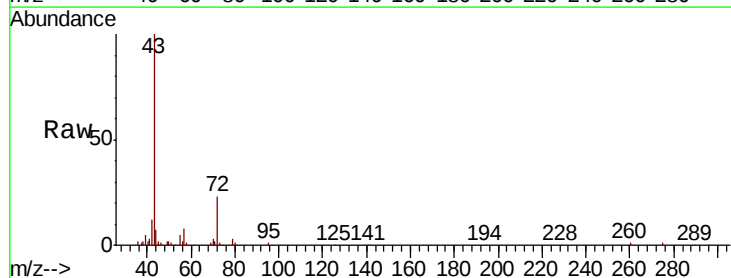
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



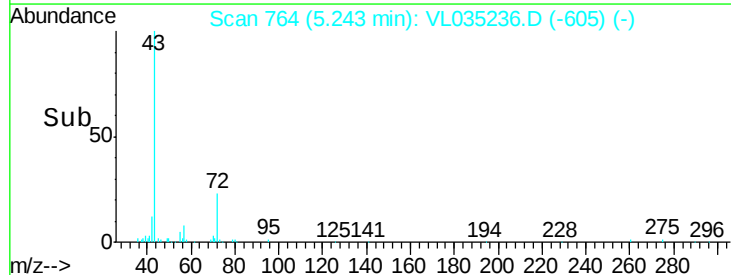
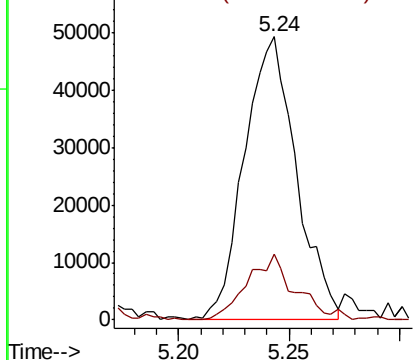
#34
 2-Butanone
 Concen: 0.447 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

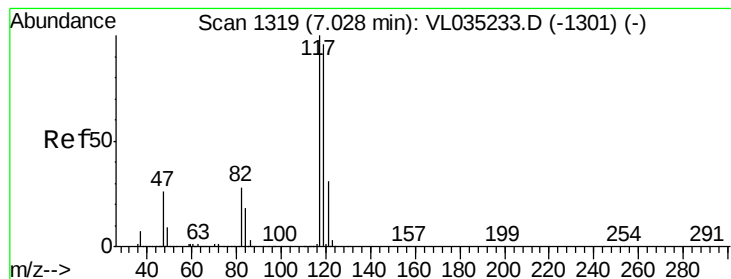
Tgt Ion: 43 Resp: 80737

Ion	Ratio	Lower	Upper
43	100		
72	21.9	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: 0.297 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

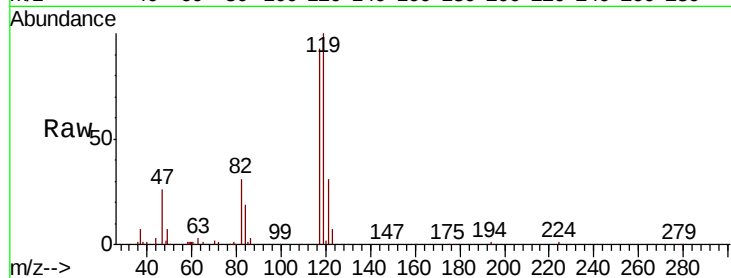
Tot Ion:117 Resp: 65672

Ion Ratio Lower Upper

117 100

119 107.1 76.8 115.2

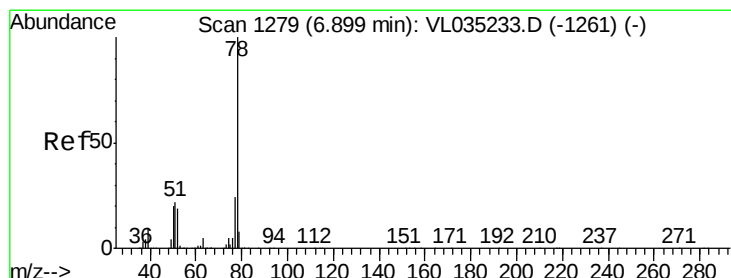
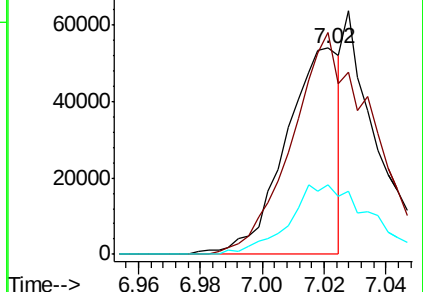
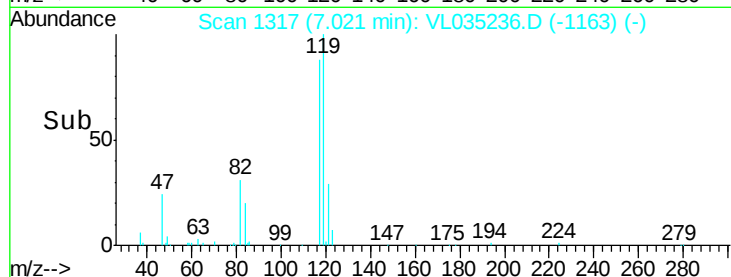
121 33.7 24.5 36.7



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: 0.174 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

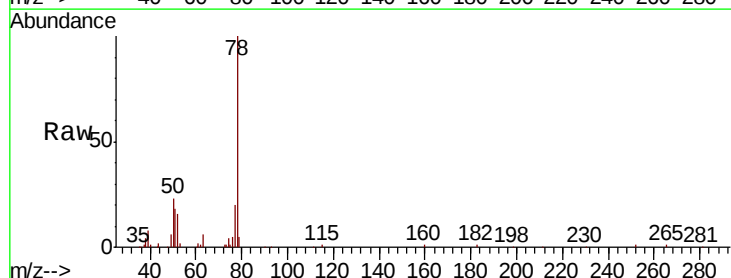
Tgt Ion: 78 Resp: 42804

Ion Ratio Lower Upper

78 100

77 20.7 18.9 28.3

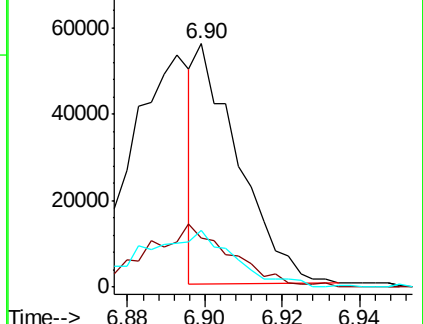
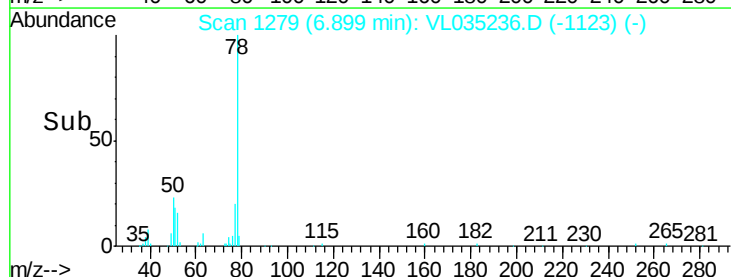
50 23.0 16.1 24.1

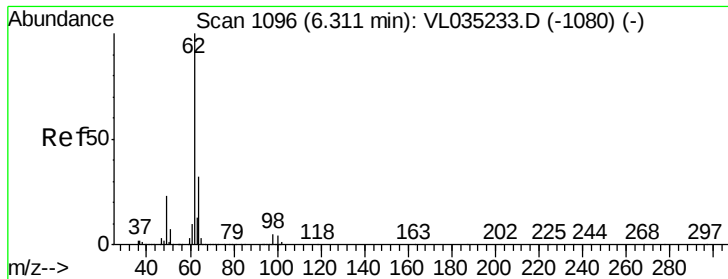


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.274 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

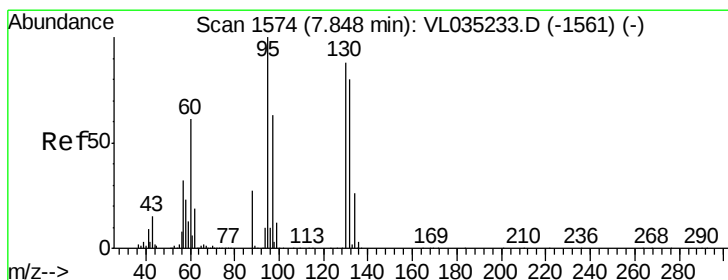
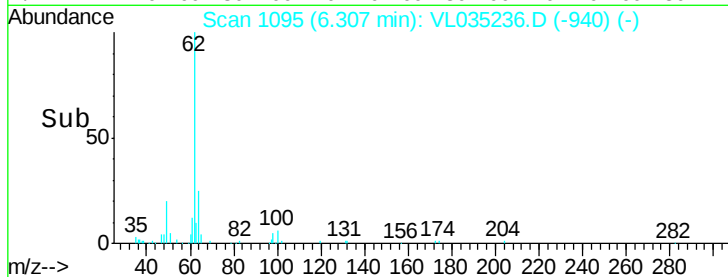
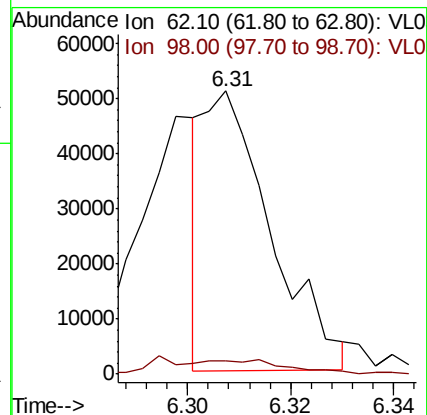
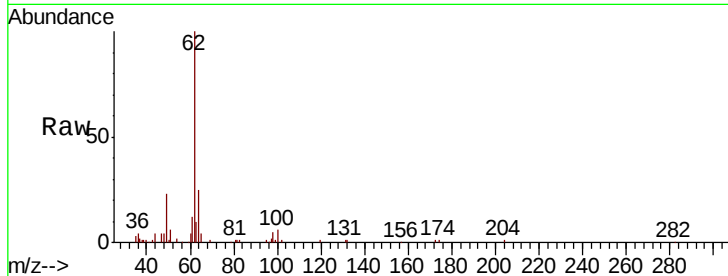
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 45383

Ion Ratio Lower Upper

62 100

98 0.0 4.5 6.7#



#38

Trichloroethene

Concen: 0.433 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion: 130 Resp: 43564

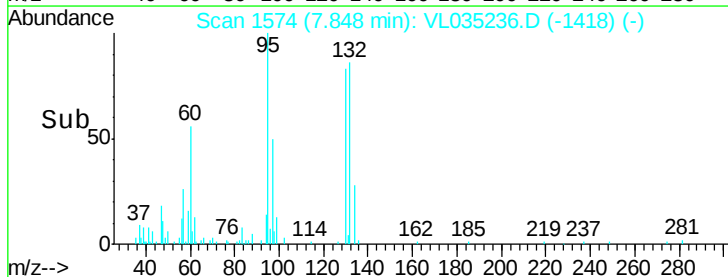
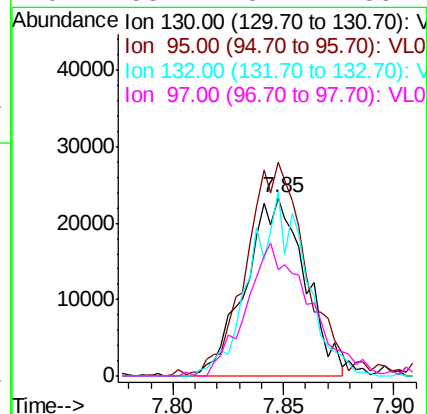
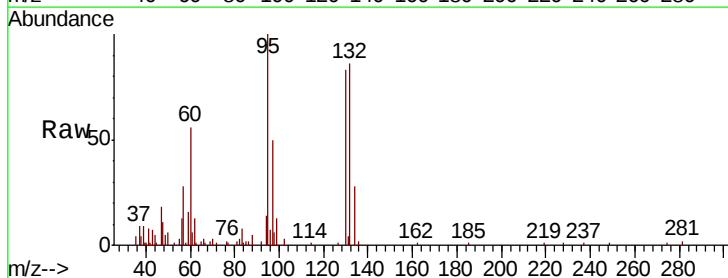
Ion Ratio Lower Upper

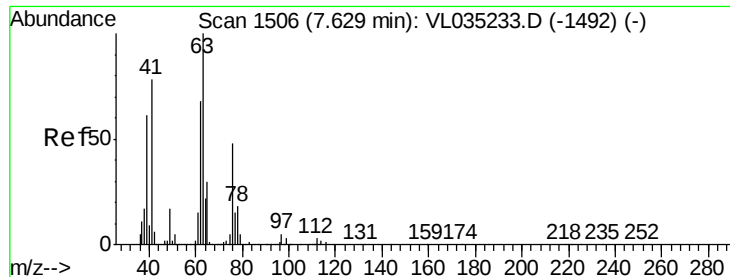
130 100

95 118.1 90.7 136.1

132 103.7 72.9 109.3

97 58.7 57.1 85.7

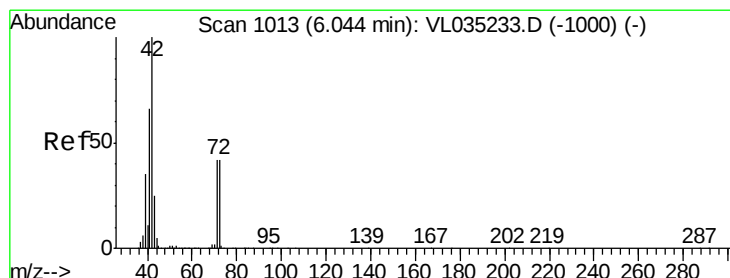
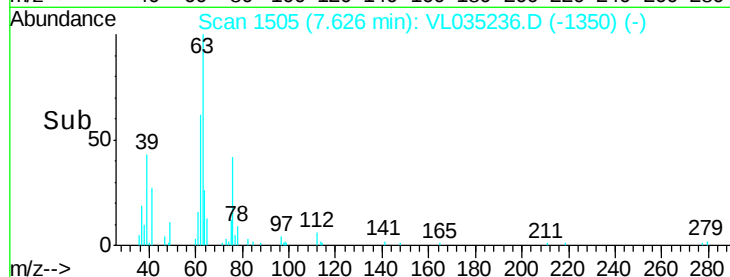
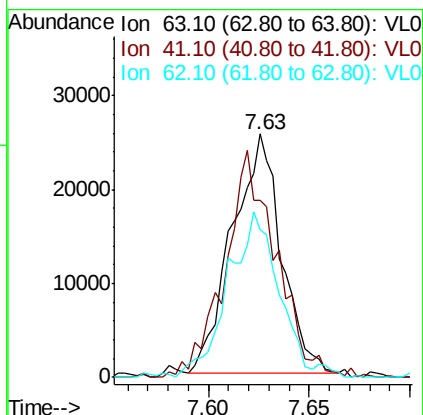
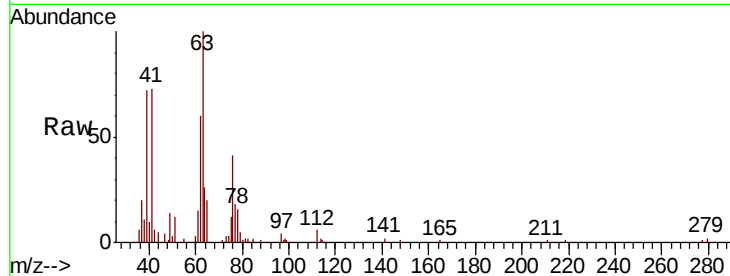




#39
 1,2-Dichloropropane
 Concen: 0.439 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

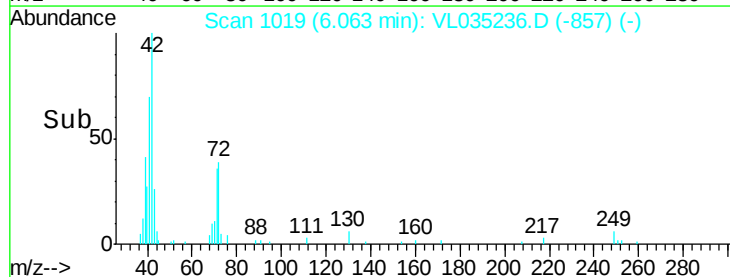
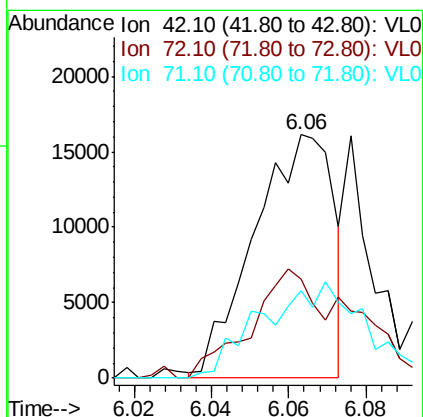
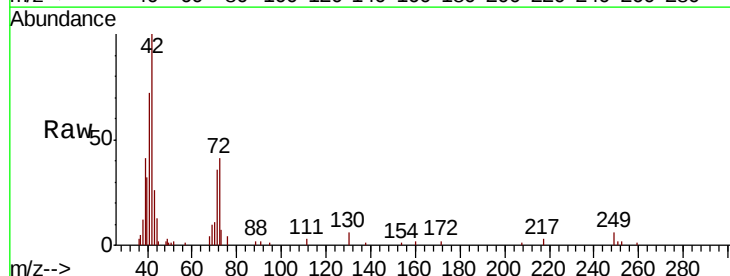
Instrument :
 MSVOA_L
 ClientSampleId :

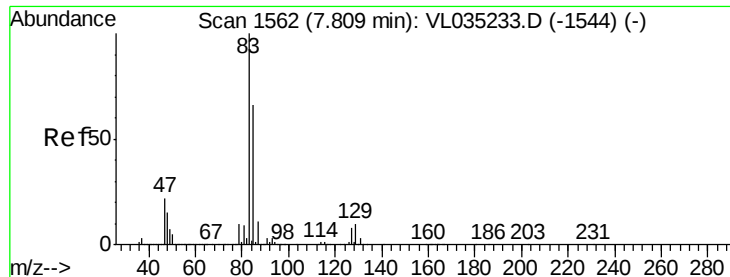
Tot Ion	Ratio	Lower	Upper
63	100		
41	72.1	62.2	93.4
62	59.6	54.2	81.2



#41
 Tetrahydrofuran
 Concen: 0.255 ppbv
 RT: 6.06 min Scan# 1019
 Delta R.T. 0.02 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
42	100		
72	60.2	34.2	51.2#
71	0.0	33.2	49.8#





#42

Bromodichloromethane

Concen: 0.482 ppbv

RT: 7.80 min Scan# 1560

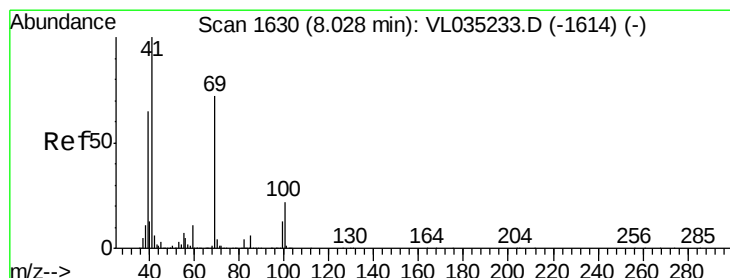
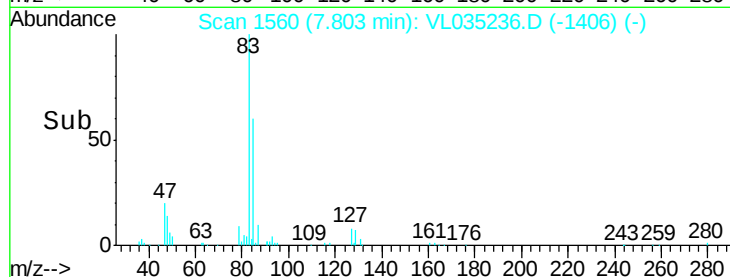
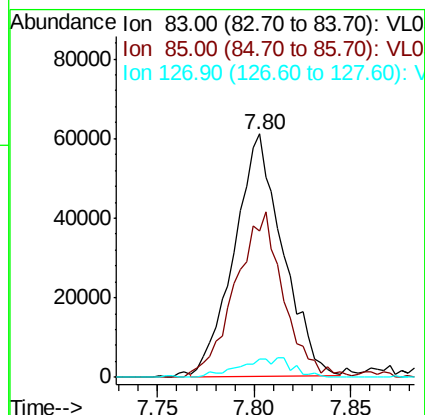
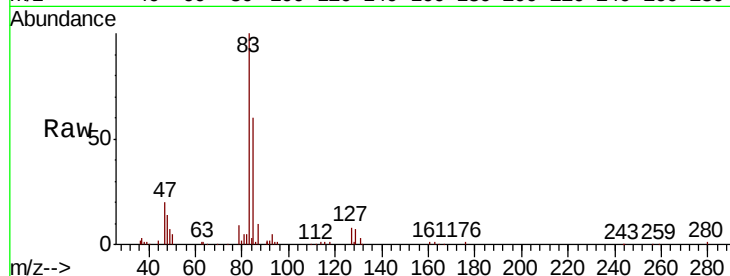
Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	83	Resp:	106715
Ion	Ratio	Lower	Upper
83	100		
85	58.6	52.9	79.3
127	7.8	6.5	9.7



#43

Methyl Methacrylate

Concen: 0.137 ppbv

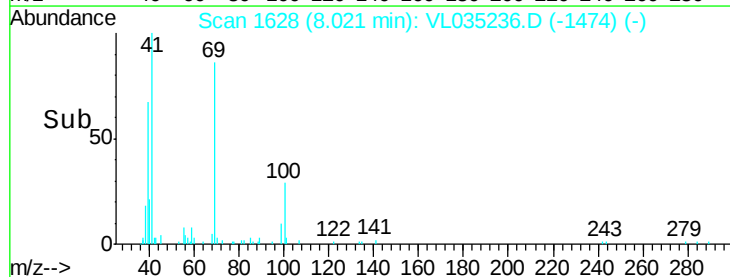
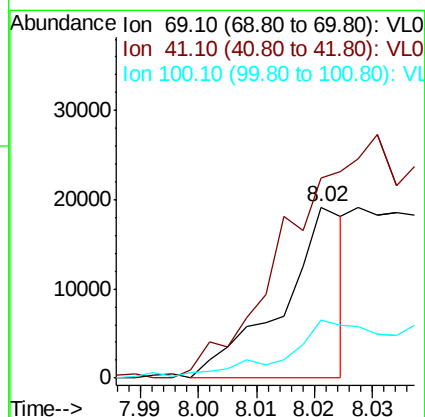
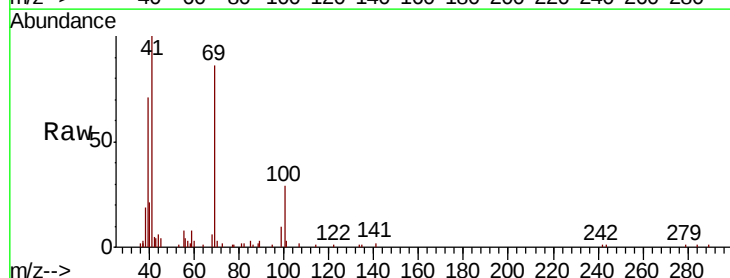
RT: 8.02 min Scan# 1628

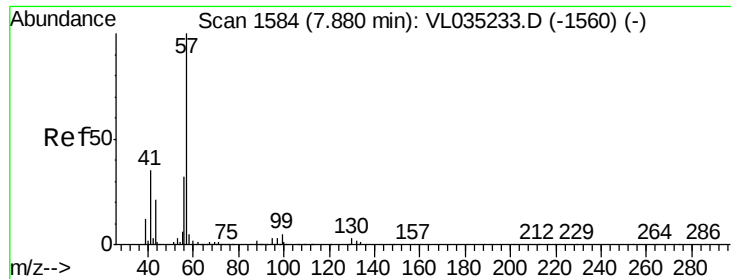
Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion:	69	Resp:	14316
Ion	Ratio	Lower	Upper
69	100		
41	0.0	113.0	169.4#
100	89.2	25.3	37.9#

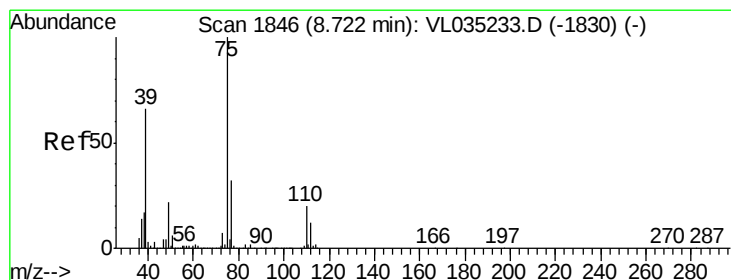
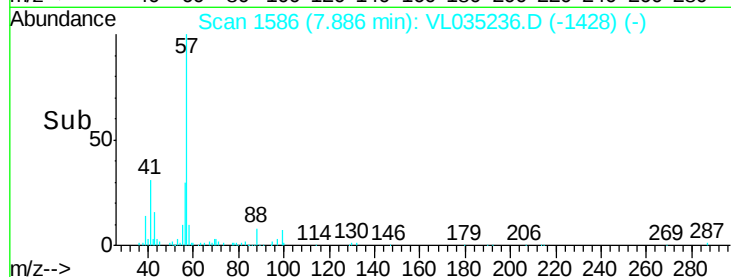
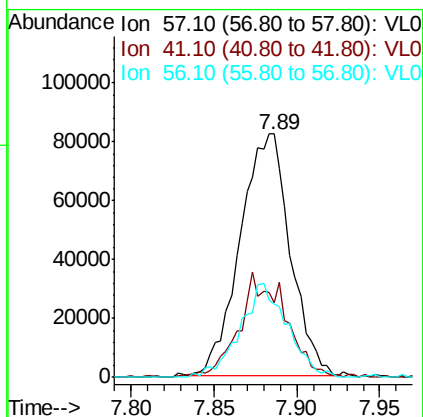
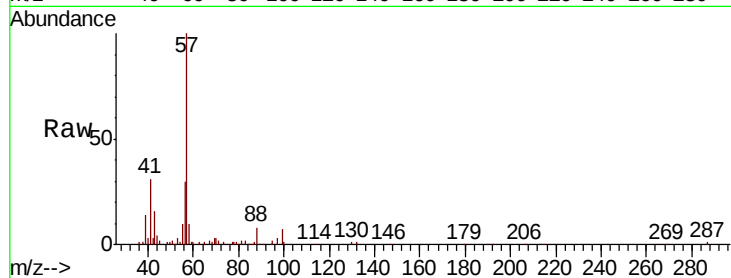




#44
 2,2,4-Trimethylpentane
 Concen: 0.405 ppbv
 RT: 7.89 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

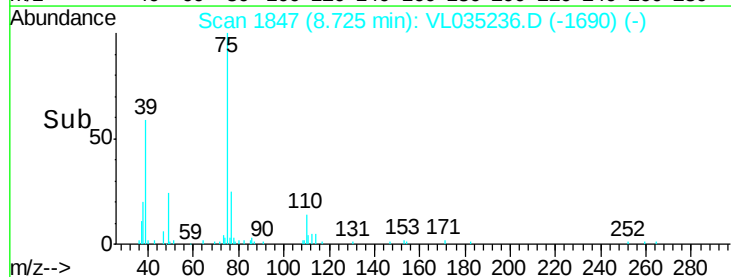
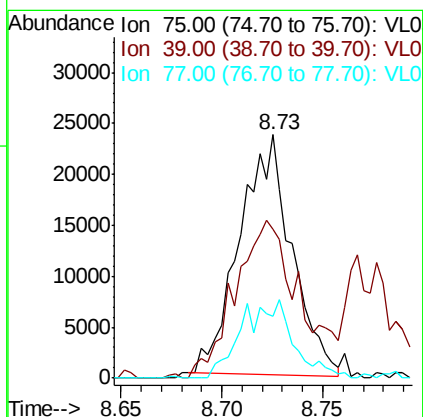
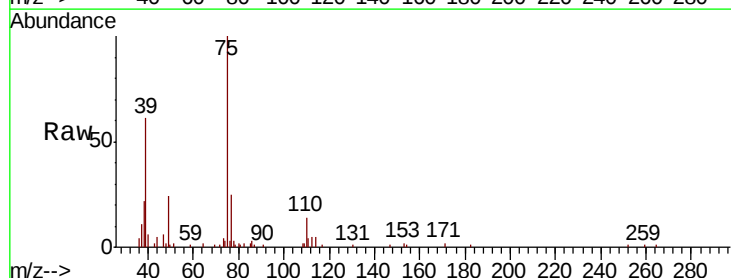
Instrument :
 MSVOA_L
 ClientSampled :

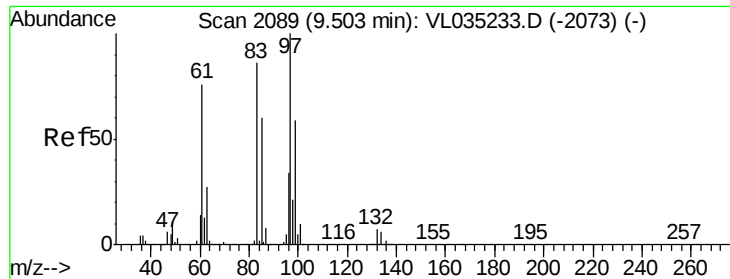
Tot Ion	57	Resp	172457
Ion Ratio	100	Lower	Upper
41	40.8	27.0	40.4#
56	36.8	25.6	38.4



#46
 cis-1,3-Dichloropropene
 Concen: 0.328 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	75	Resp	42630
Ion Ratio	100	Lower	Upper
39	62.4	53.0	79.4
77	25.9	25.8	38.8

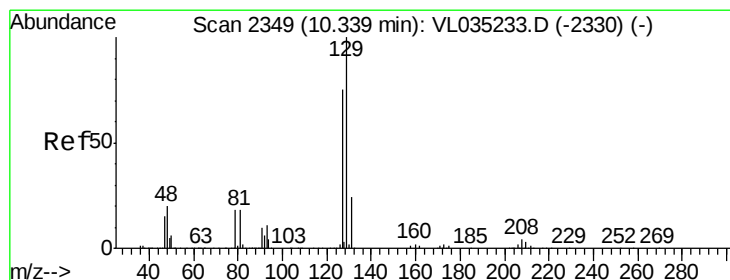
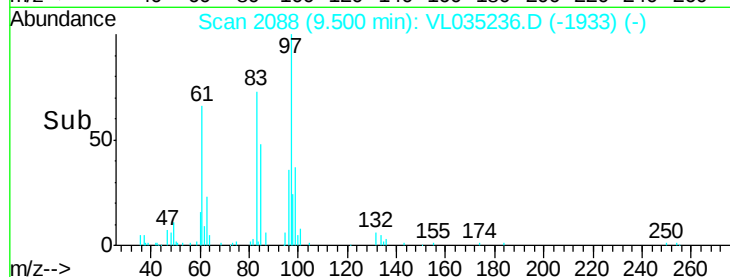
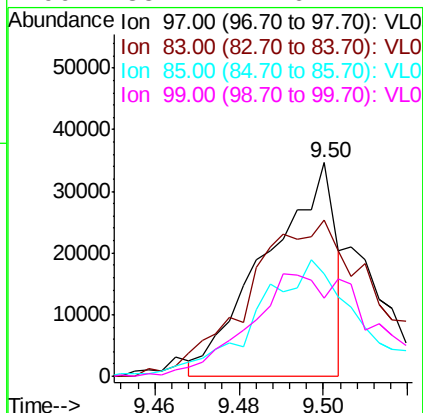
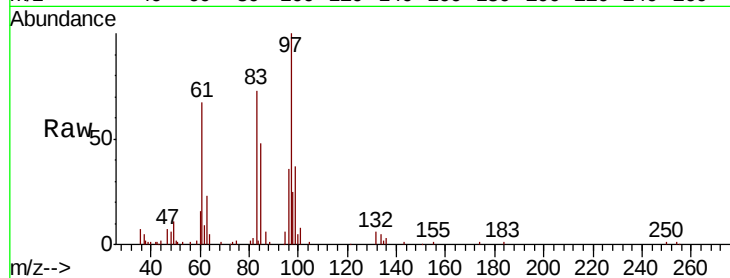




#47
 1,1,2-Trichloroethane
 Concen: 0.365 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

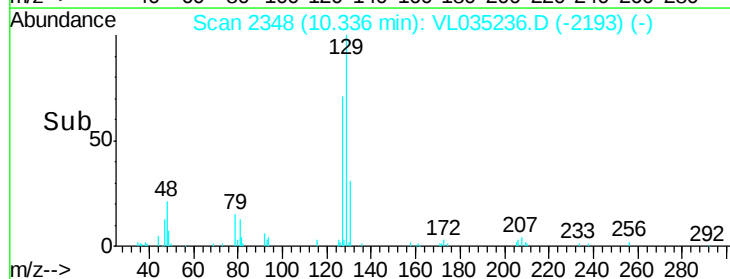
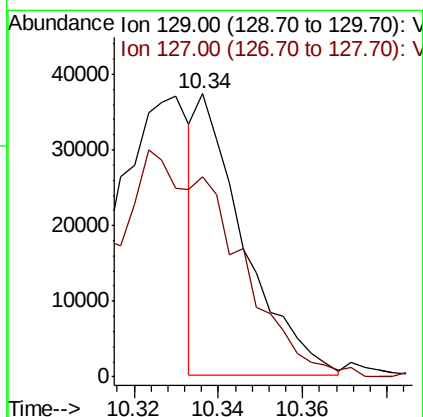
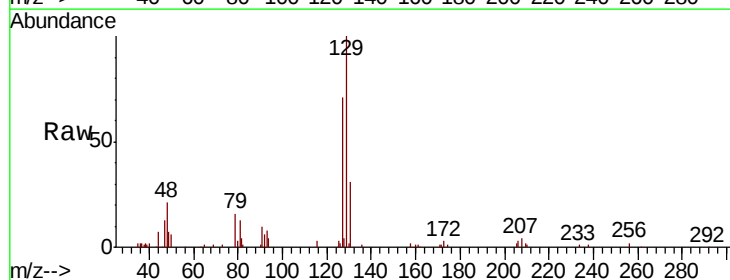
Instrument :
 MSVOA_L
 ClientSampleId :

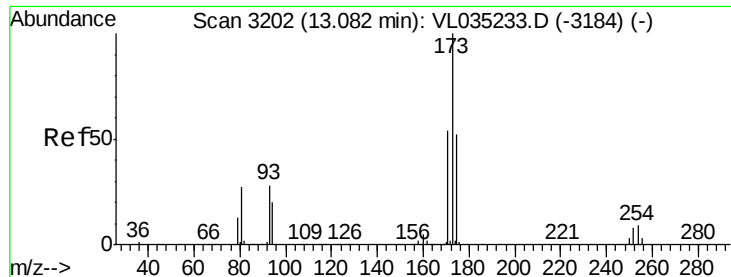
Tot Ion	97.00	Resp:	39390
Ion	Ratio	Lower	Upper
97	100		
83	67.6	69.0	103.4#
85	44.3	47.8	71.8#
99	35.2	47.6	71.4#



#48
 Dibromochloromethane
 Concen: 0.165 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	129.00	Resp:	28934
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.6	119.0#





#49

Bromoform

Concen: 0.342 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampled :

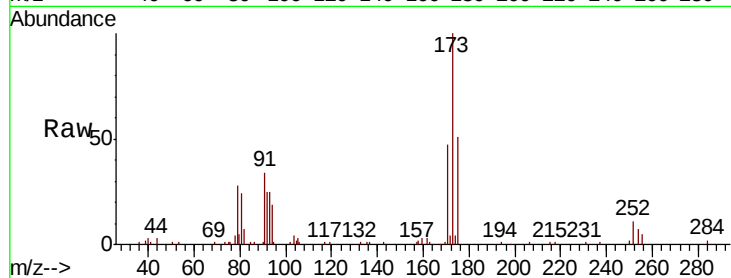
Tot Ion:173 Resp: 52867

Ion Ratio Lower Upper

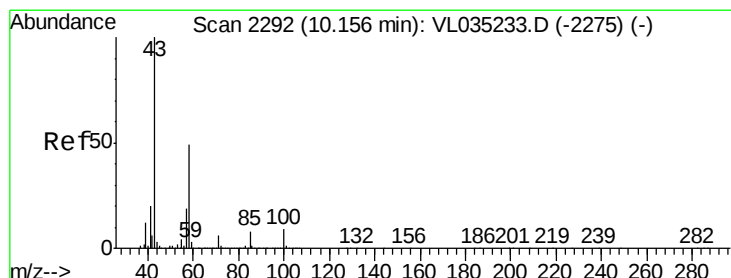
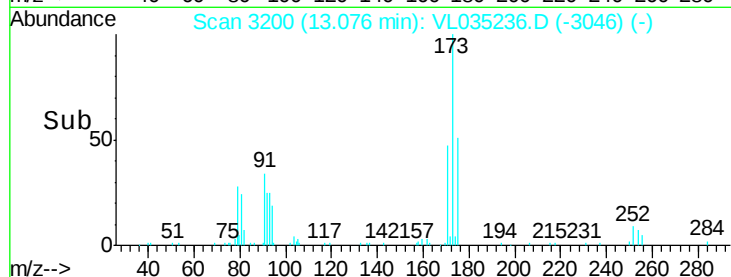
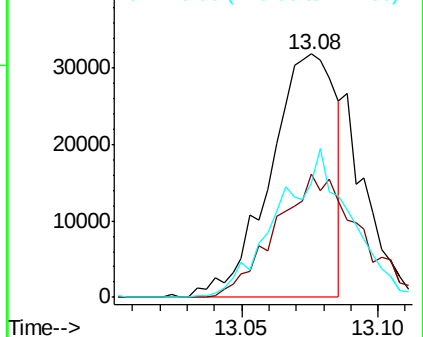
173 100

175 64.6 40.0 60.0#

171 68.8 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



#51

2-Hexanone

Concen: 0.294 ppbv

RT: 10.17 min Scan# 2297

Delta R.T. 0.02 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

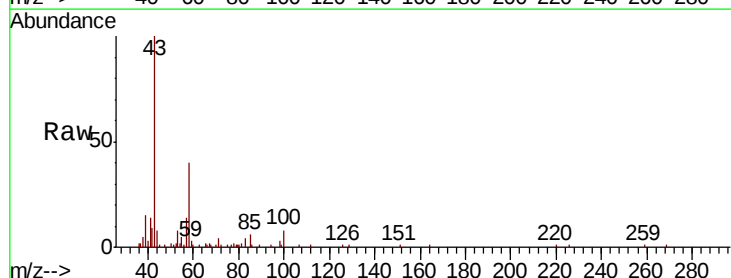
Tgt Ion: 43 Resp: 58560

Ion Ratio Lower Upper

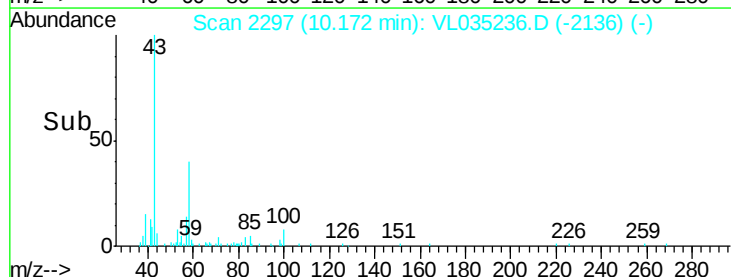
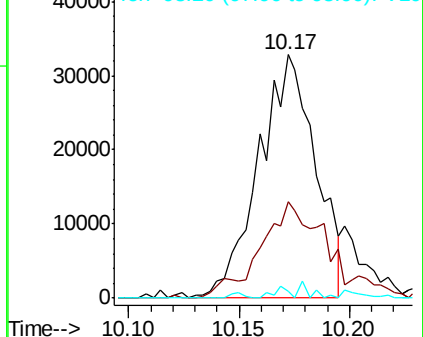
43 100

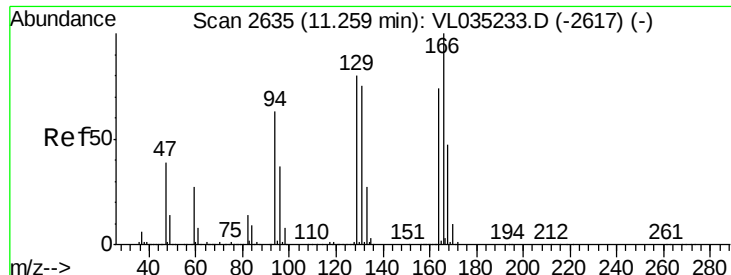
58 48.1 38.8 58.2

98 2.5 0.6 0.8#



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

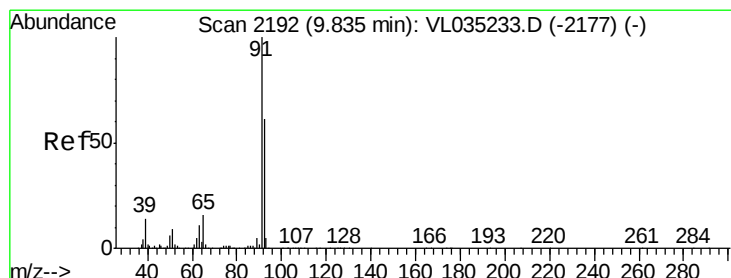
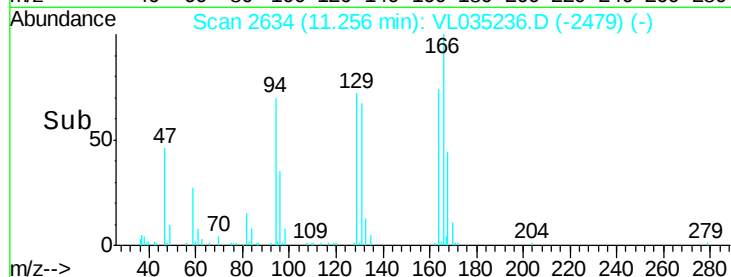
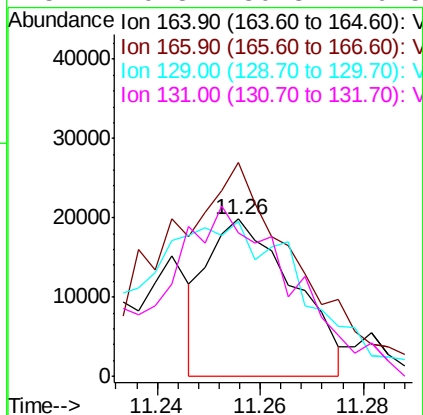
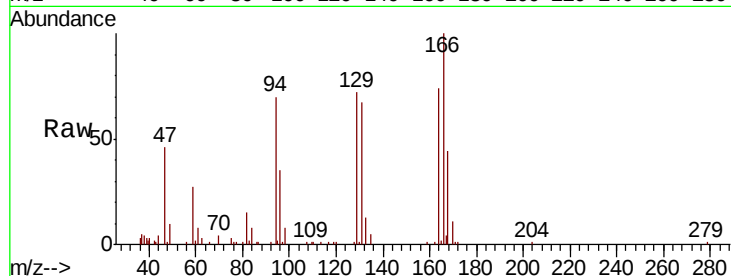




#52
Tetrachloroethene
Concen: 0.248 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

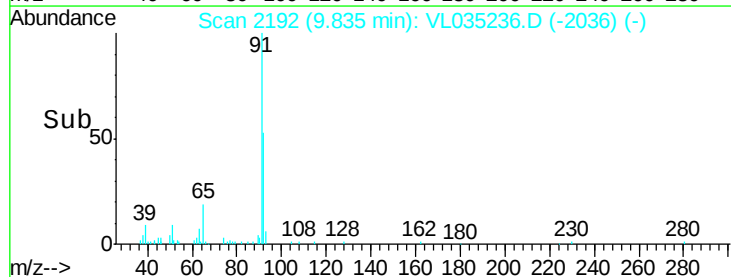
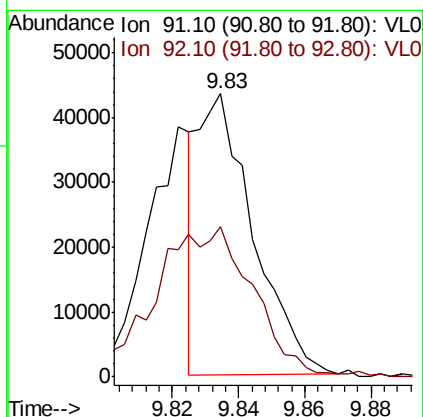
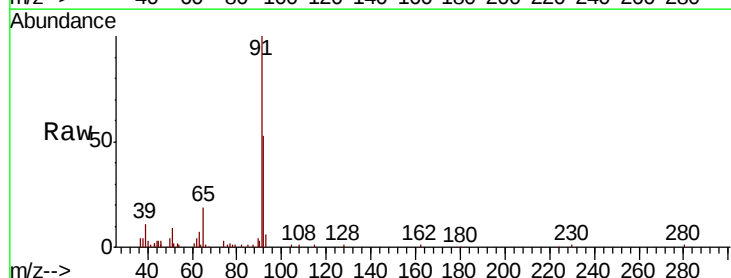
Instrument :
MSVOA_L
ClientSampleId :

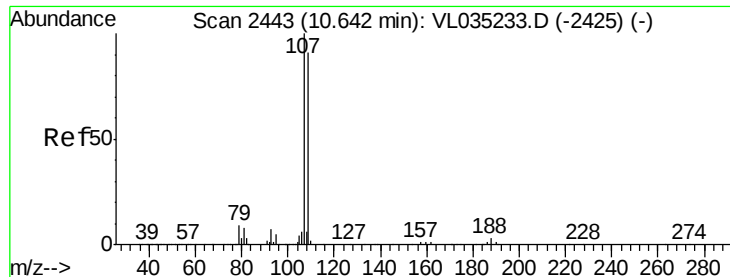
Tot Ion:164 Resp: 22893
Ion Ratio Lower Upper
164 100
166 106.3 107.5 161.3#
129 83.2 86.0 129.0#
131 79.8 80.3 120.5#



#53
Toluene
Concen: 0.191 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion: 91 Resp: 49647
Ion Ratio Lower Upper
91 100
92 96.6 48.5 72.7#





#54

1,2-Dibromoethane

Concen: 0.199 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

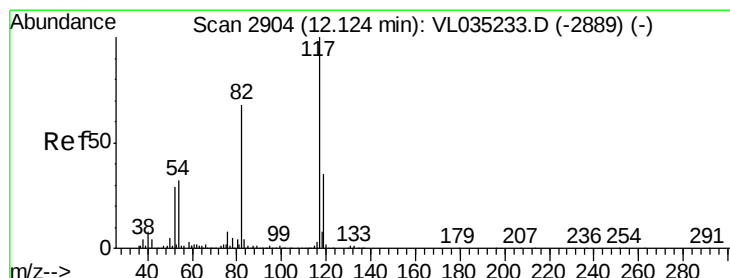
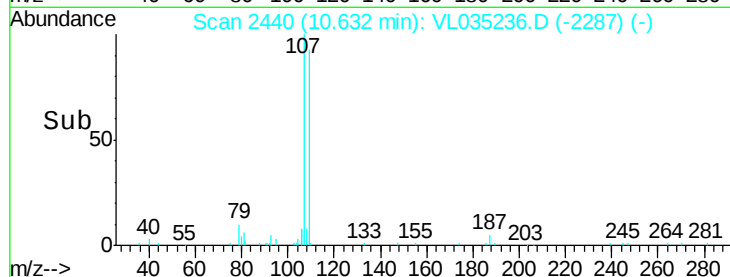
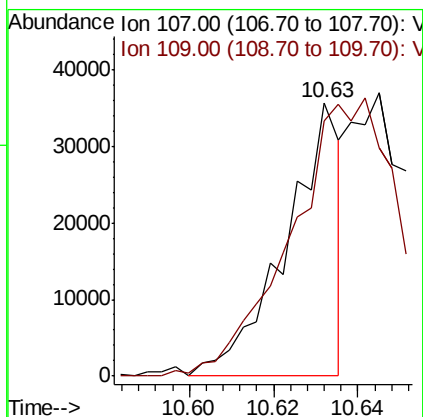
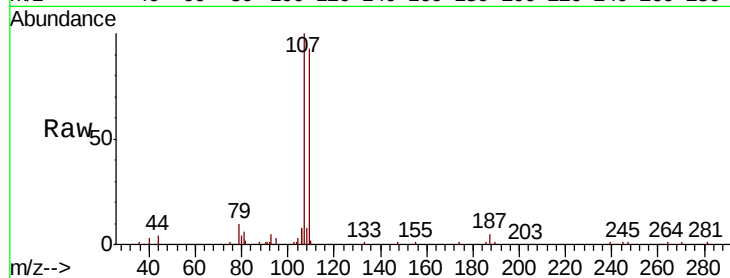
ClientSampleId :

Tot Ion:107 Resp: 31806

Ion Ratio Lower Upper

107 100

109 92.4 73.0 109.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

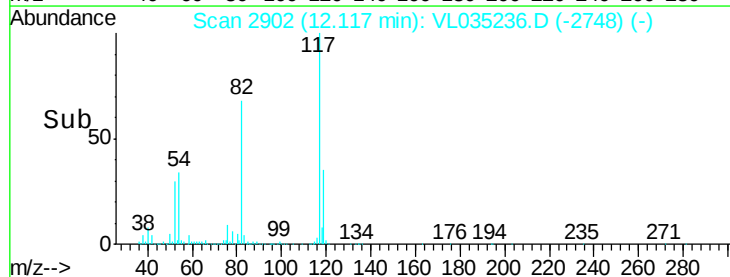
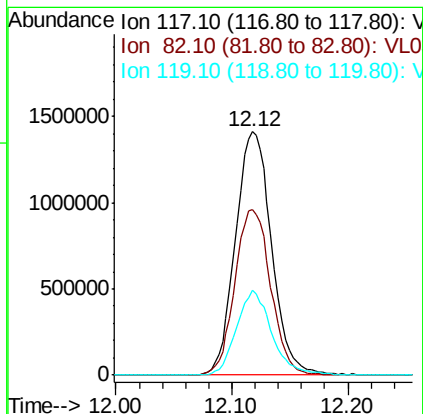
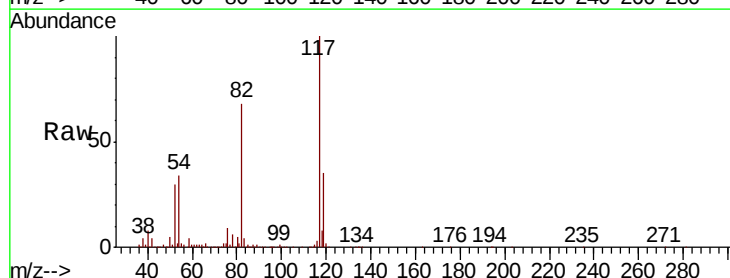
Tgt Ion:117 Resp: 3057019

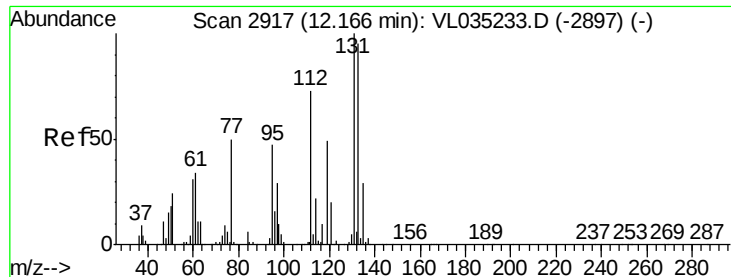
Ion Ratio Lower Upper

117 100

82 67.8 52.4 78.6

119 34.1 24.6 36.8

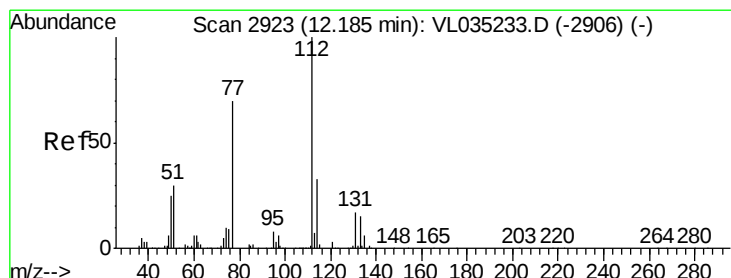
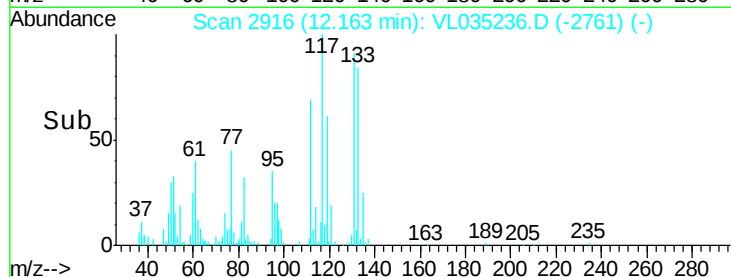
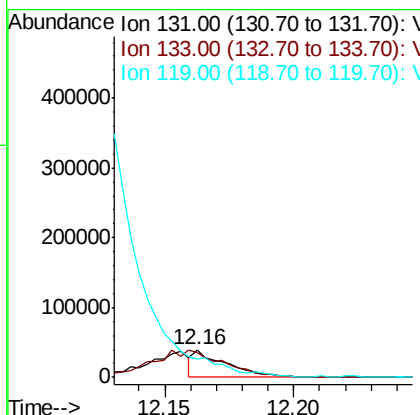
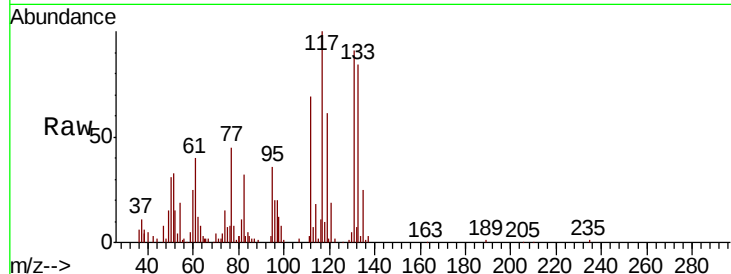




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.255 ppbv
 RT: 12.16 min Scan# 2916
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

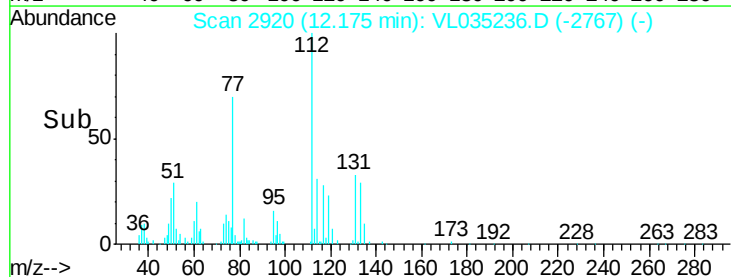
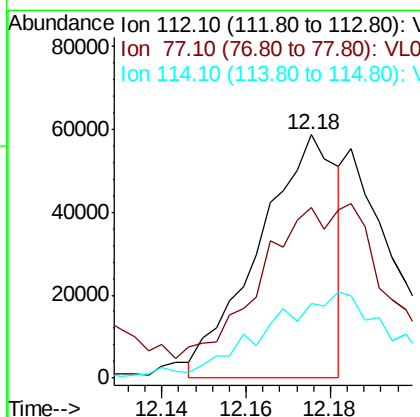
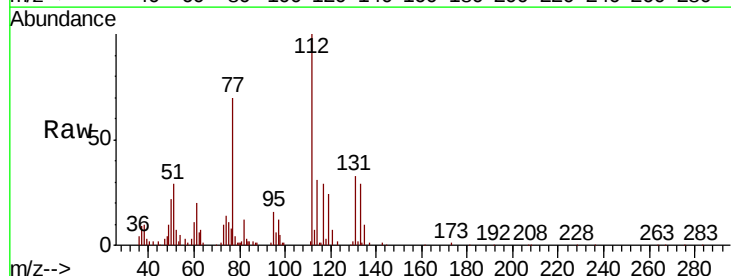
Instrument :
 MSVOA_L
 ClientSampleId :

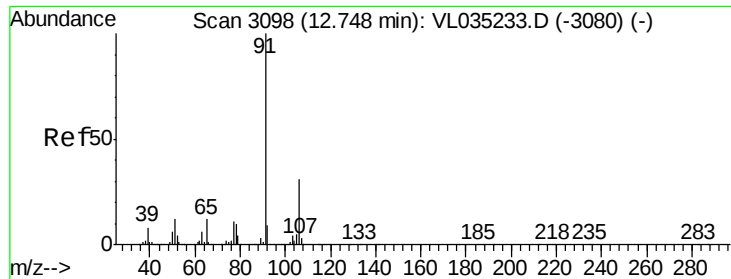
Tot Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.1	114.1#
119	0.0	44.3	66.5#



#57
 Chlorobenzene
 Concen: 0.331 ppbv
 RT: 12.18 min Scan# 2920
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.9	57.3	85.9
114	30.0	29.3	35.8





#58

Ethyl Benzene

Concen: 0.233 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

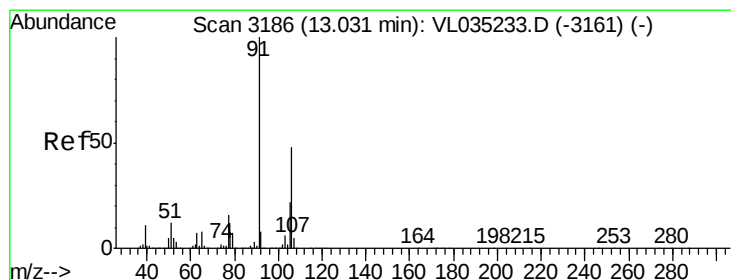
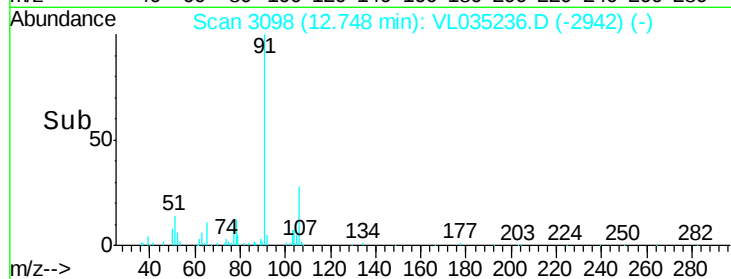
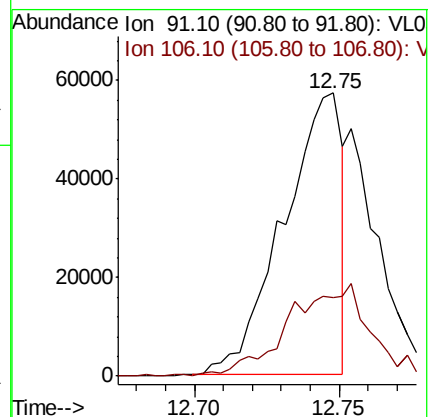
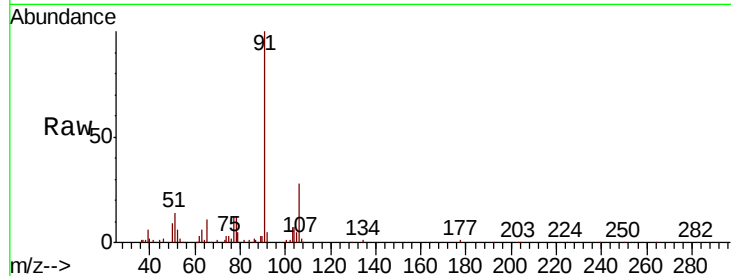
ClientSampleId :

Tot Ion: 91 Resp: 79565

Ion Ratio Lower Upper

91 100

106 28.0 25.0 37.6



#59

m/p-Xylene

Concen: 0.132 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.01 min

Lab File: VL035236.D

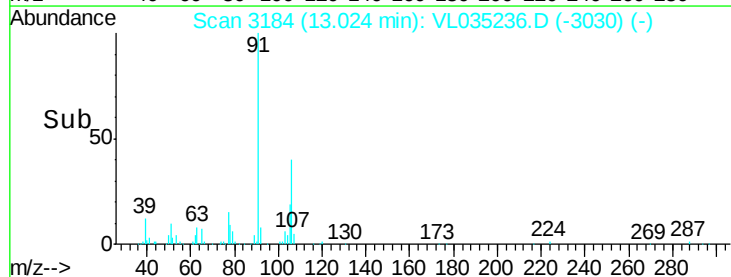
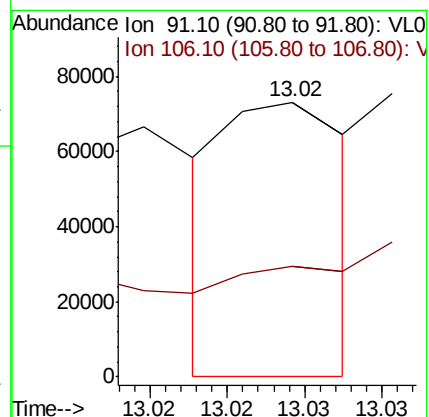
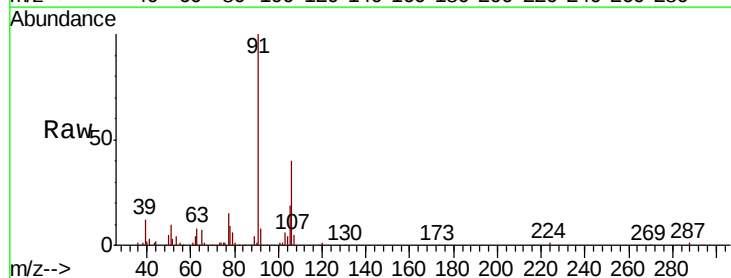
Acq: 29 Jul 2020 4:39

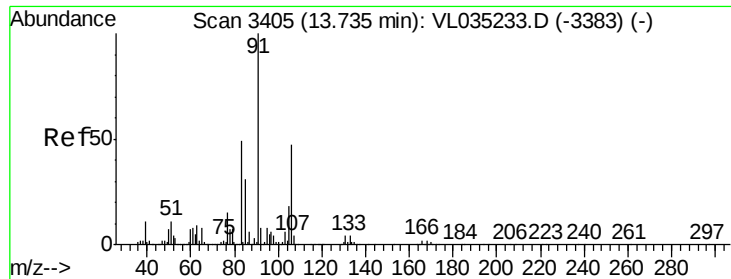
Tgt Ion: 91 Resp: 40220

Ion Ratio Lower Upper

91 100

106 0.0 37.2 55.8#

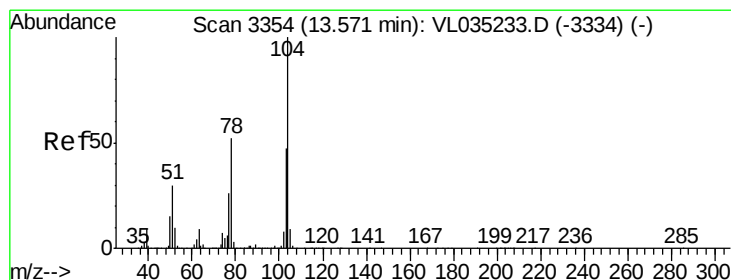
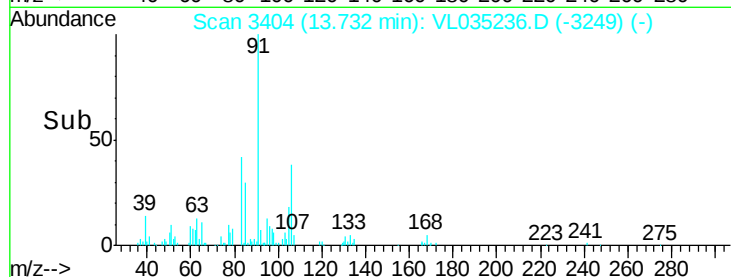
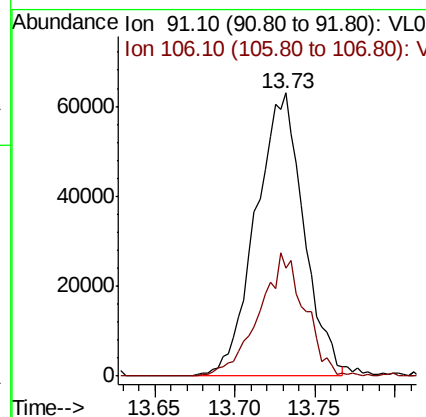
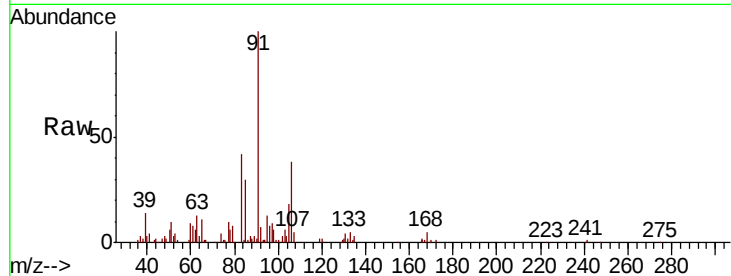




#60
o-Xylene
Concen: 0.427 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

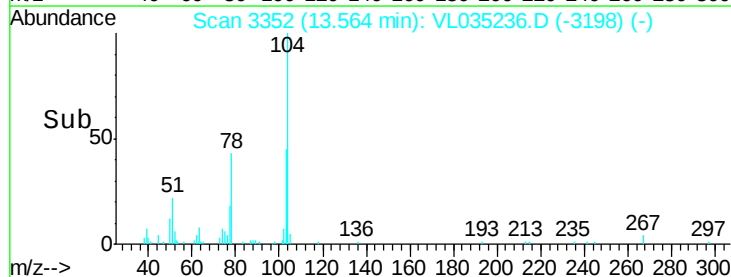
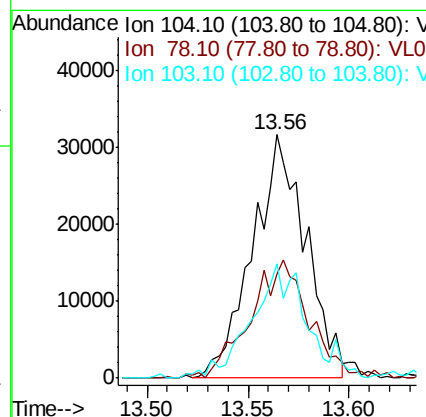
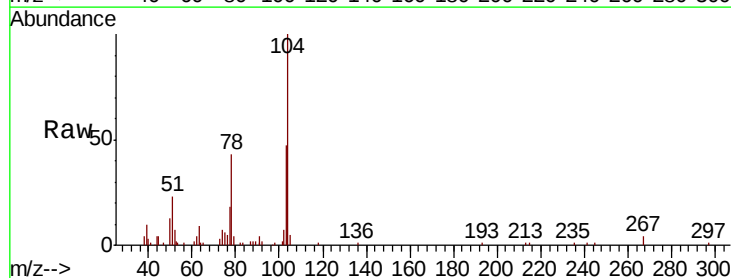
Instrument :
MSVOA_L
ClientSampleId :

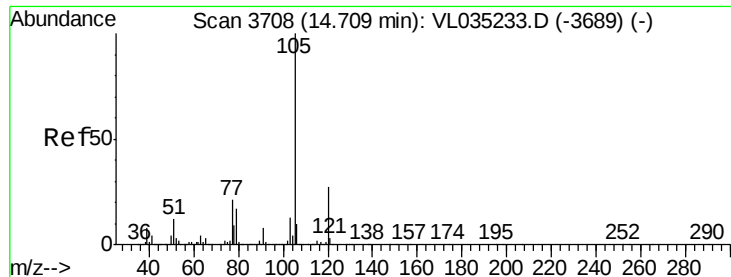
Tot Ion: 91 Resp: 130101
Ion Ratio Lower Upper
91 100
106 41.7 22.4 67.0



#61
Styrene
Concen: 0.309 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. -0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion:104 Resp: 58137
Ion Ratio Lower Upper
104 100
78 54.2 43.3 64.9
103 49.3 38.2 57.2





#62

Isopropylbenzene

Concen: 0.439 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

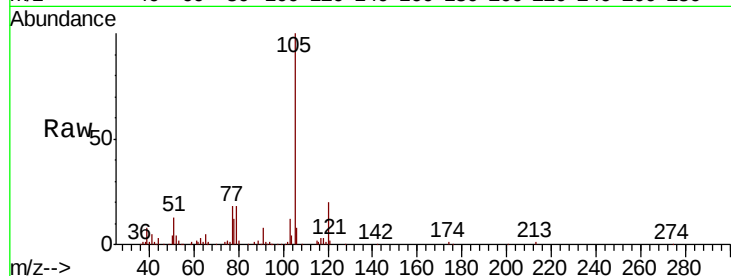
ClientSampleId :

Tot Ion:105 Resp: 198227

Ion Ratio Lower Upper

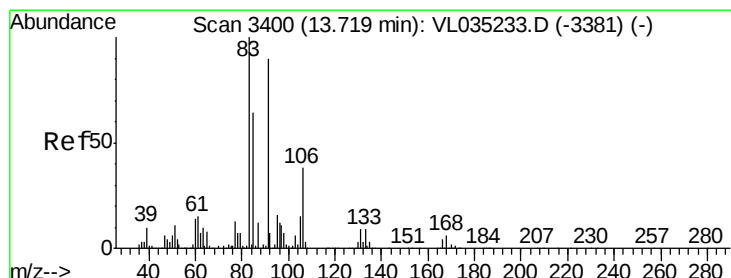
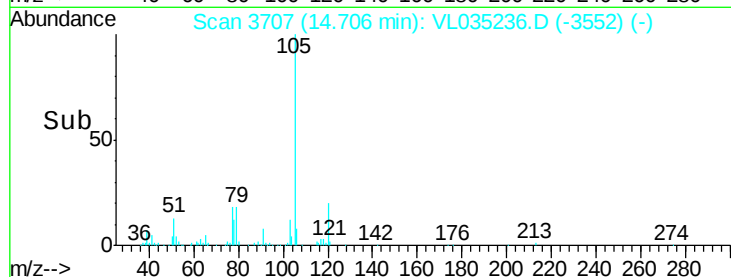
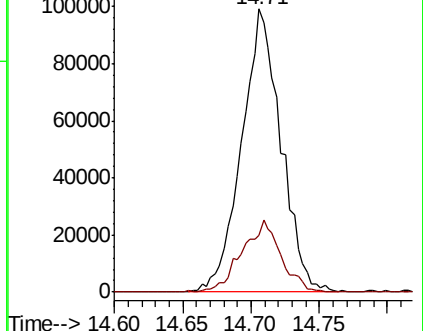
105 100

120 25.2 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: 0.518 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

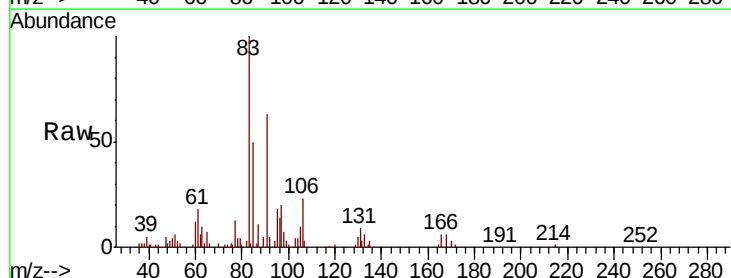
Tgt Ion: 83 Resp: 131915

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

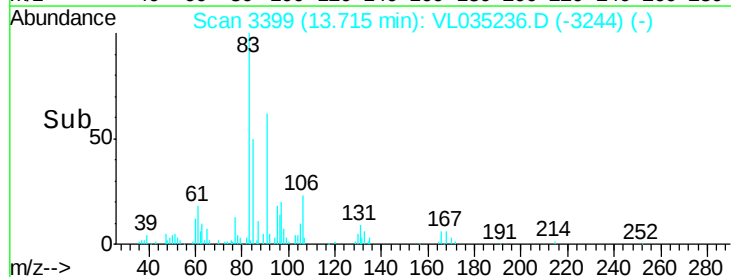
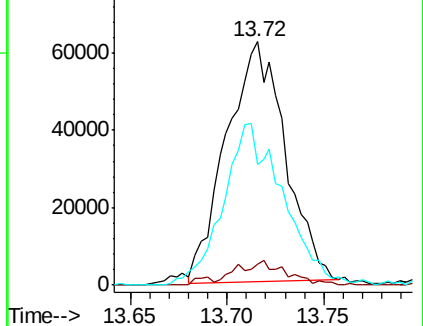
85 68.8 32.7 98.1

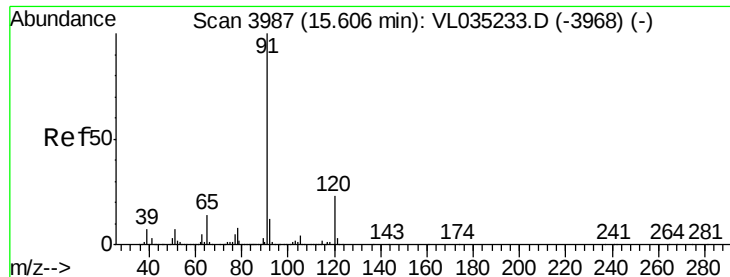


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.246 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

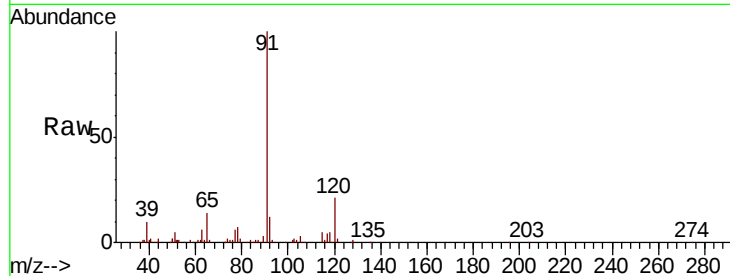
ClientSampled :

Tot Ion:120 Resp: 28792

Ion Ratio Lower Upper

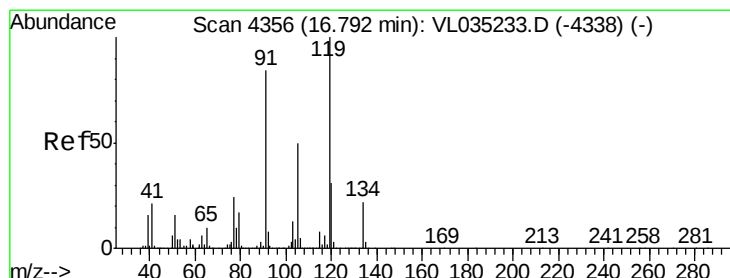
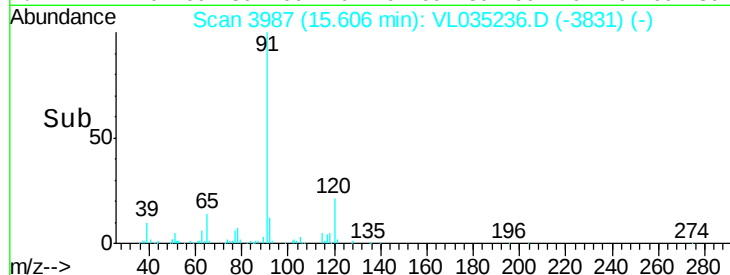
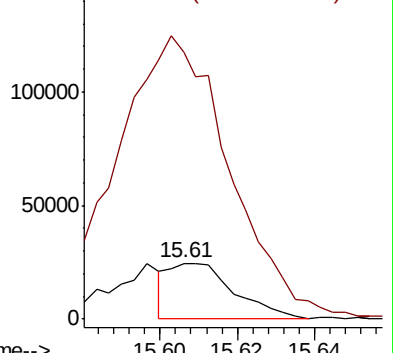
120 100

91 904.4 367.5 551.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.171 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

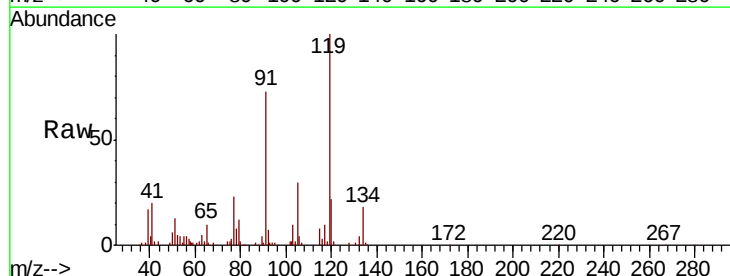
Tgt Ion:119 Resp: 69492

Ion Ratio Lower Upper

119 100

91 0.0 68.0 102.0#

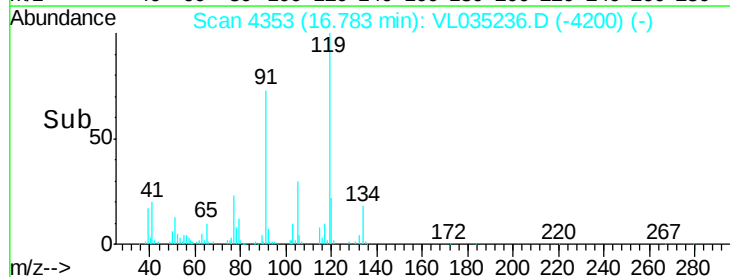
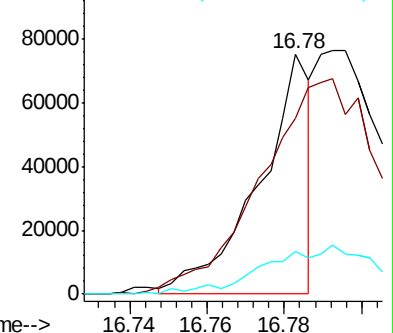
134 0.0 16.3 24.5#

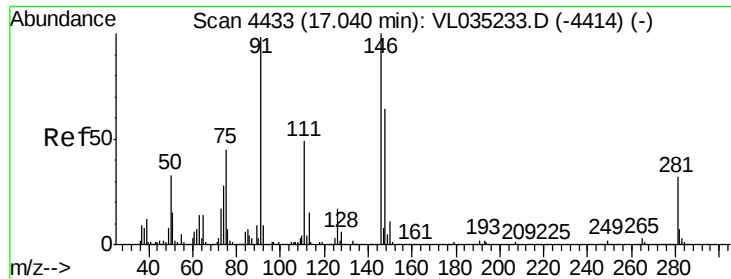


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

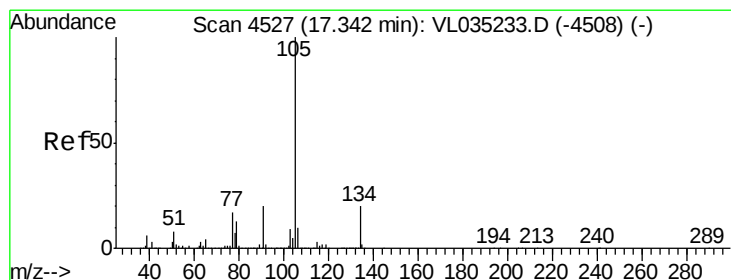
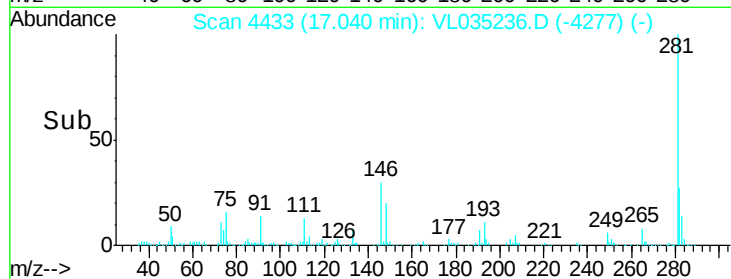
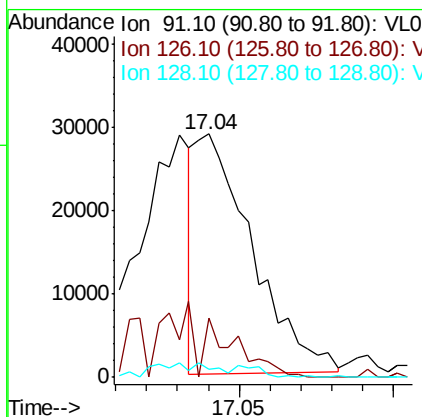
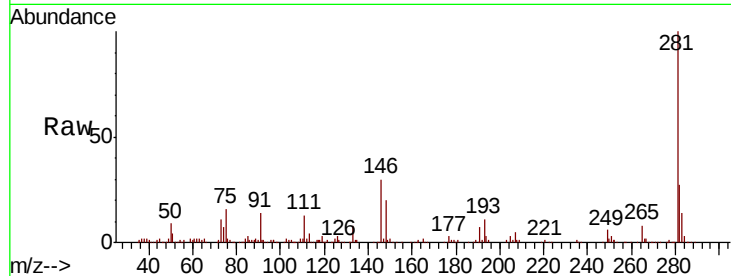




#66
Benzyl Chloride
Concen: 0.251 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

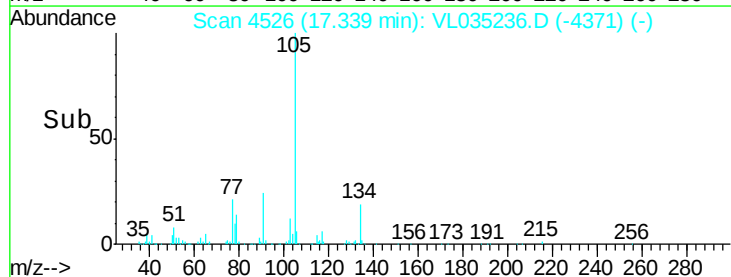
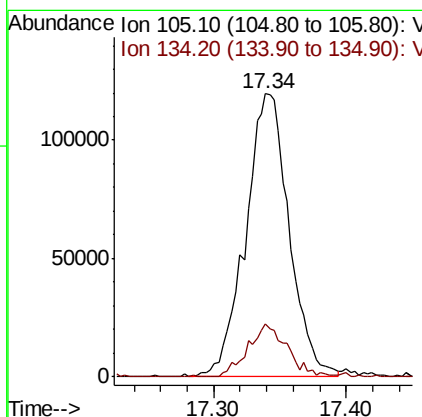
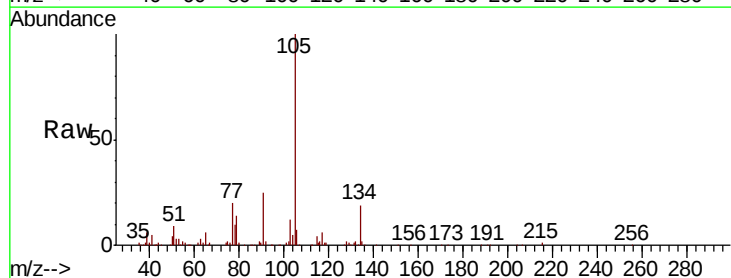
Instrument :
MSVOA_L
ClientSampleId :

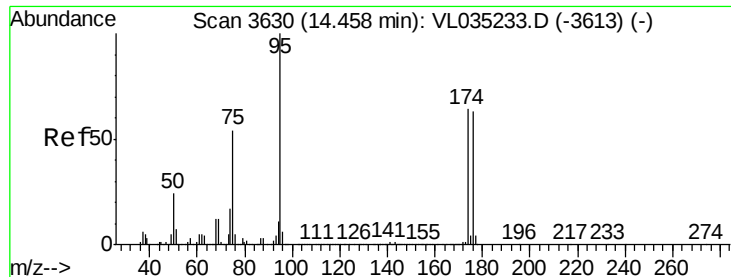
Tot Ion: 91 Resp: 36622
Ion Ratio Lower Upper
91 100
126 49.6 14.1 21.1#
128 8.9 4.4 6.6#



#67
sec-Butylbenzene
Concen: 0.460 ppbv
RT: 17.34 min Scan# 4526
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion: 105 Resp: 271664
Ion Ratio Lower Upper
105 100
134 17.5 15.0 22.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.194 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

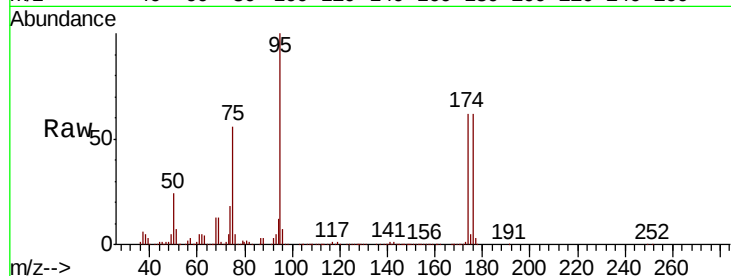
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 253697

Ion	Ratio	Lower	Upper
95	100		
174	65.3	52.7	79.1
175	4.9	3.9	5.9

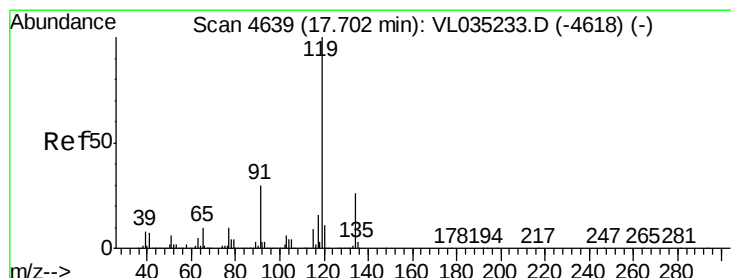
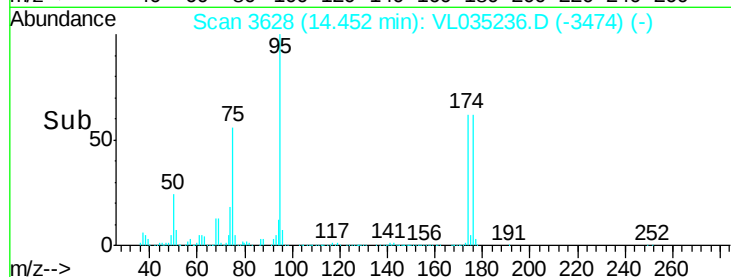
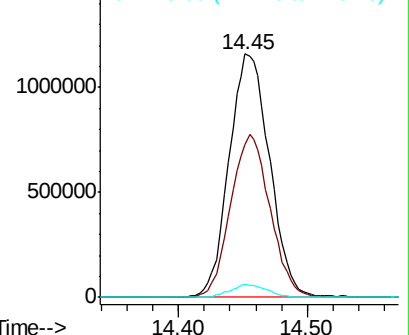


Abundance

Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 0.445 ppbv

RT: 17.70 min Scan# 4637

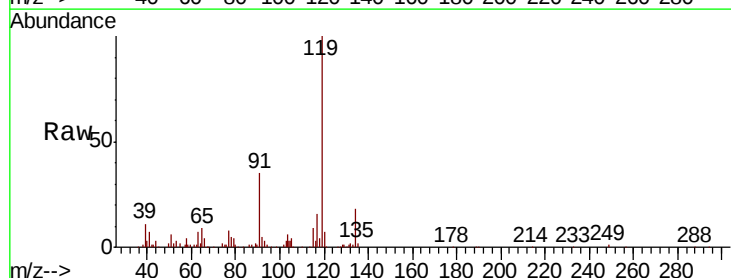
Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion: 119 Resp: 207517

Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.8	31.2
91	34.4	24.7	37.1

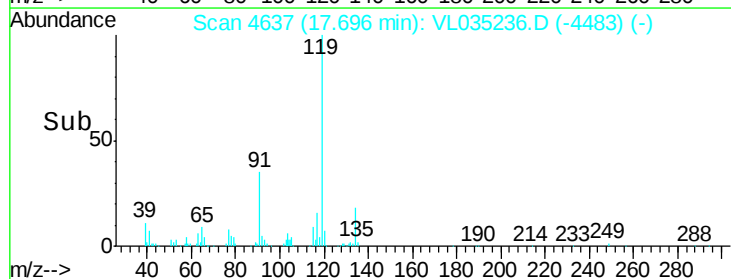
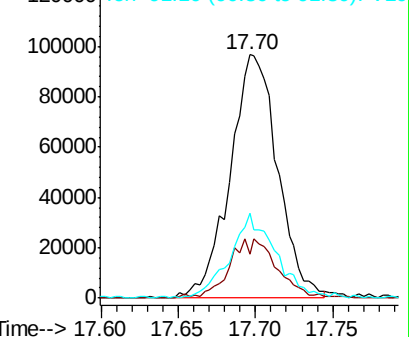


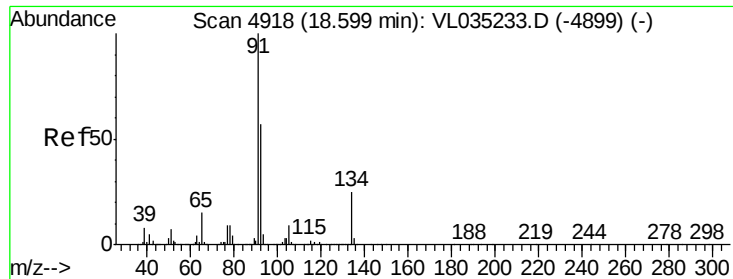
Abundance

Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0

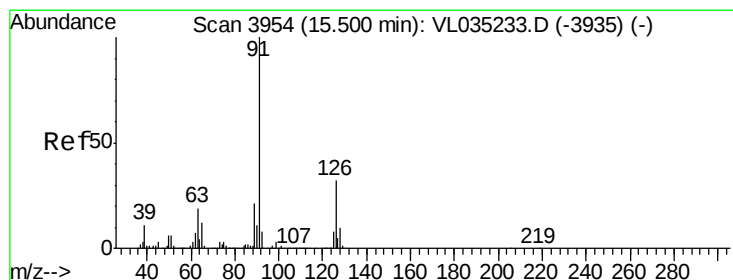
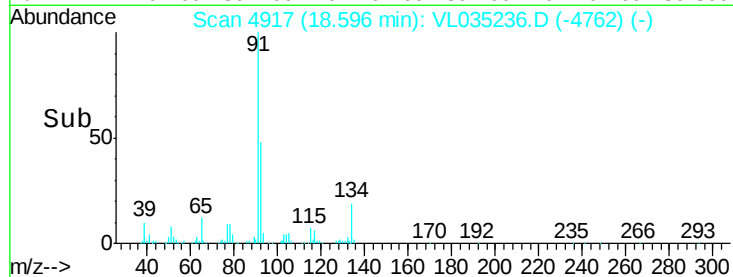
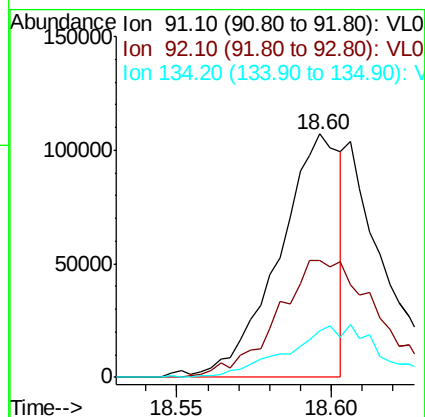
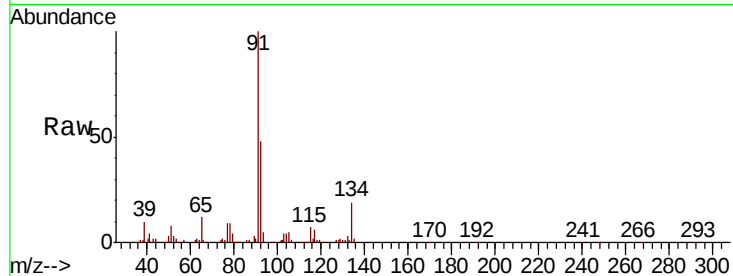




#70
n-Butylbenzene
Concen: 0.296 ppbv
RT: 18.60 min Scan# 4917
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

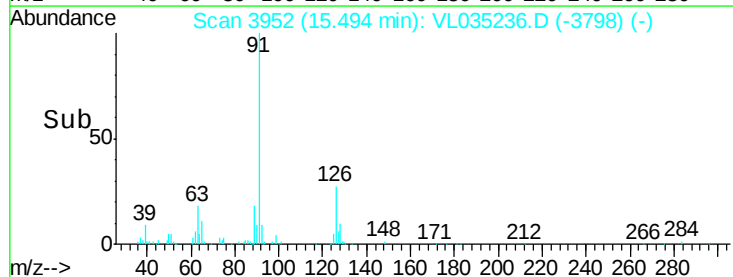
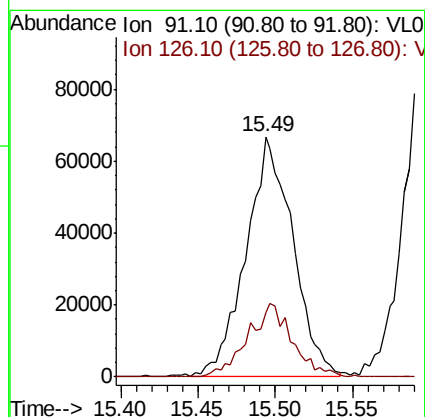
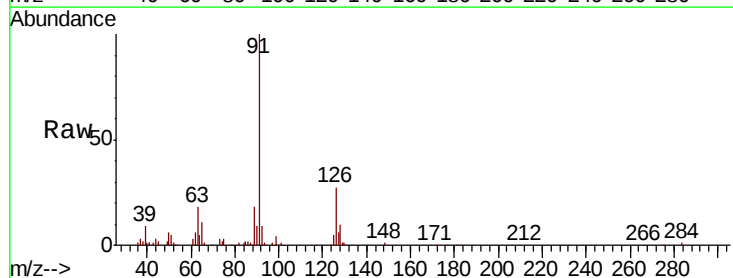
Instrument :
MSVOA_L
ClientSampleId :

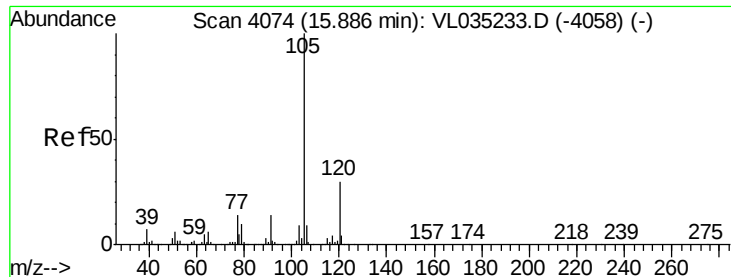
Tot Ion: 91 Resp: 146587
Ion Ratio Lower Upper
91 100
92 79.0 44.9 67.3#
134 0.0 18.6 28.0#



#71
2-Chlorotoluene
Concen: 0.411 ppbv
RT: 15.49 min Scan# 3952
Delta R.T. -0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion: 91 Resp: 140686
Ion Ratio Lower Upper
91 100
126 29.0 12.3 49.1





#72

4-Ethyltoluene

Concen: 0.383 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. -0.00 min

Lab File: VL035236.D

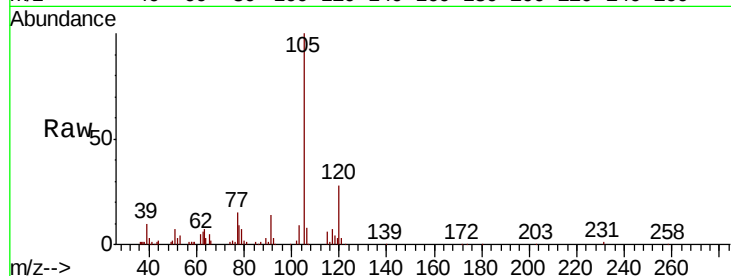
Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	131961
Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.6	35.4
91	17.4	11.0	16.6
77	16.2	11.7	17.5

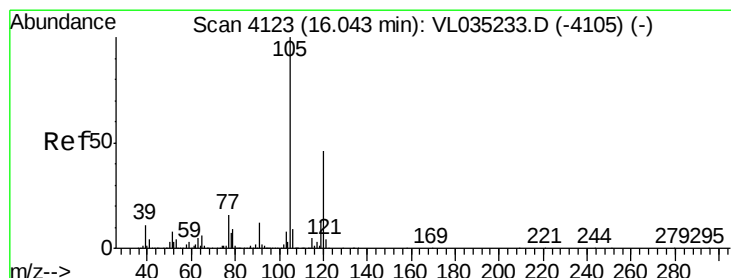
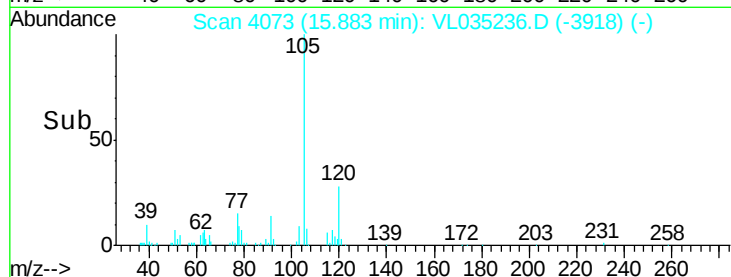
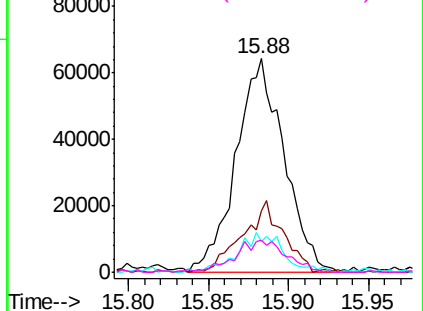


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.415 ppbv

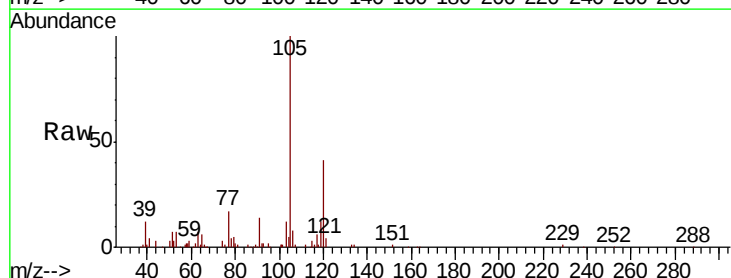
RT: 16.04 min Scan# 4121

Delta R.T. -0.01 min

Lab File: VL035236.D

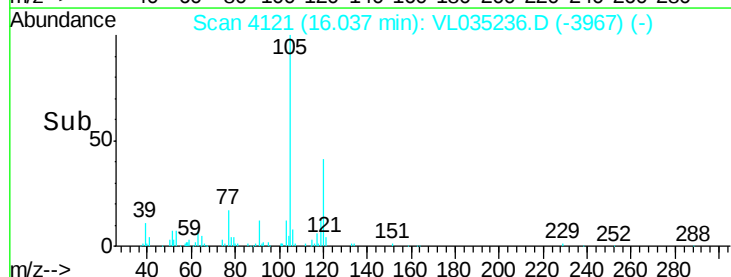
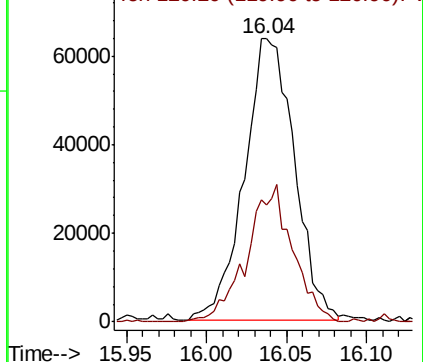
Acq: 29 Jul 2020 4:39

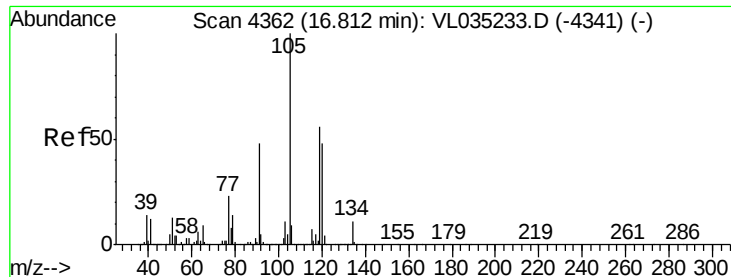
Tgt Ion:	105	Resp:	137563
Ion	Ratio	Lower	Upper
105	100		
120	41.6	36.8	55.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

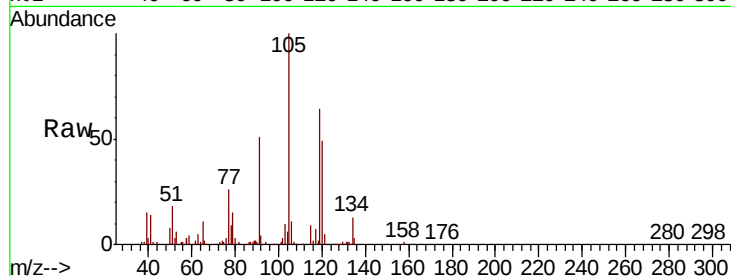




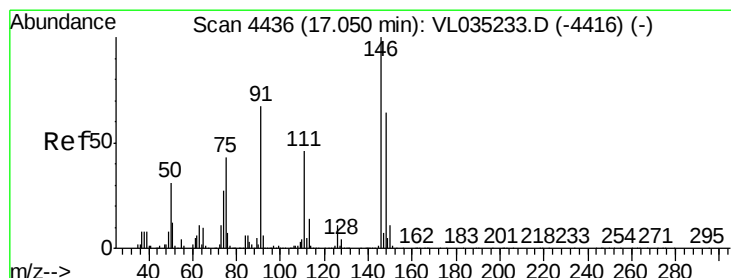
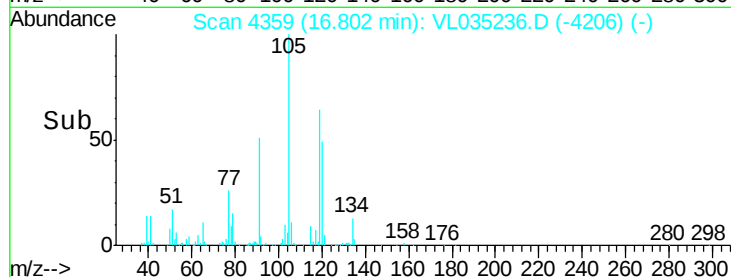
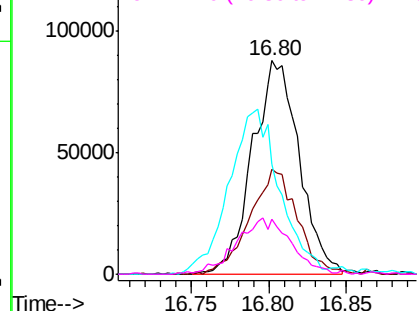
#74
 1,2,4-Trimethylbenzene
 Concen: 0.500 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	105	Resp:	184192
Ion	Ratio	Lower	Upper
105	100		
120	48.2	38.8	58.2
91	48.0	38.9	58.3
77	25.1	18.4	27.6

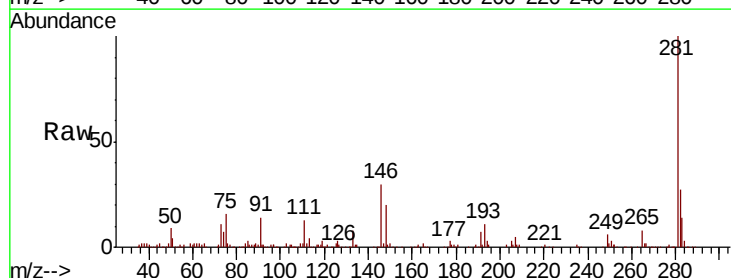


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

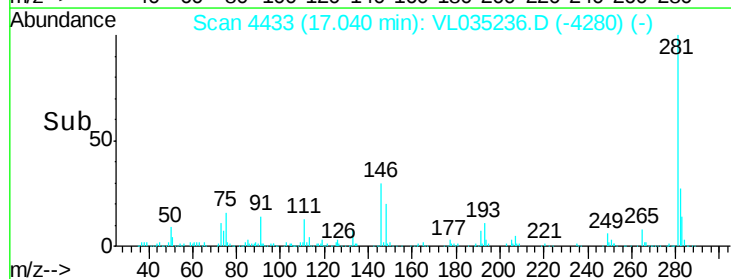
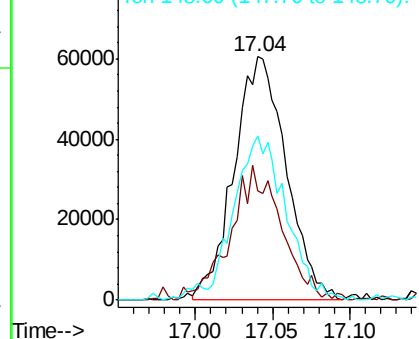


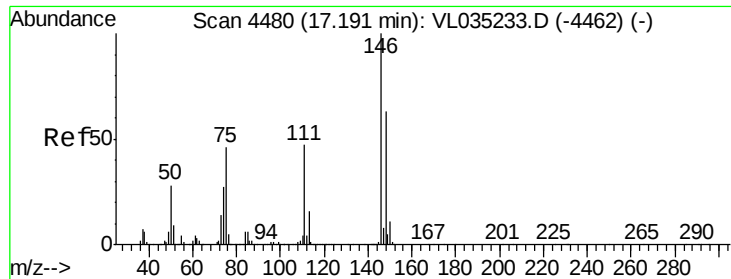
#75
 1,3-Dichlorobenzene
 Concen: 0.608 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion:	146	Resp:	142248
Ion	Ratio	Lower	Upper
146	100		
111	54.6	24.4	73.4
148	69.2	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: 0.485 ppbv

RT: 17.18 min Scan# 4478

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

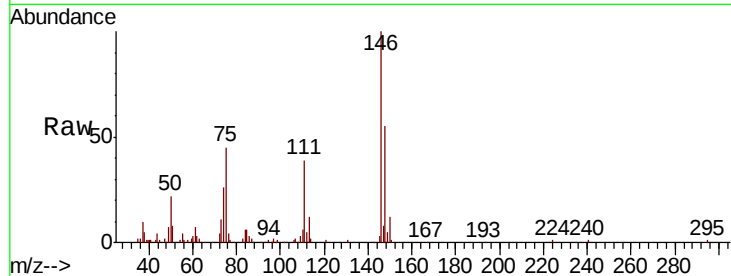
Tot Ion:146 Resp: 105313

Ion Ratio Lower Upper

146 100

111 49.4 23.4 70.2

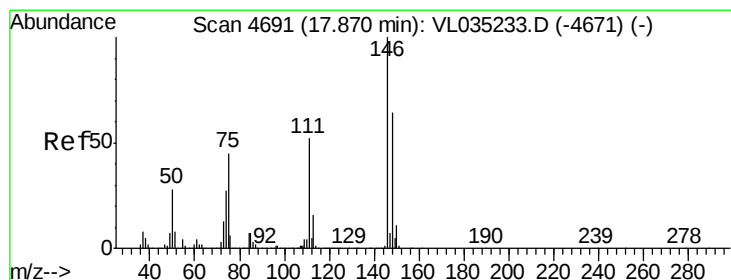
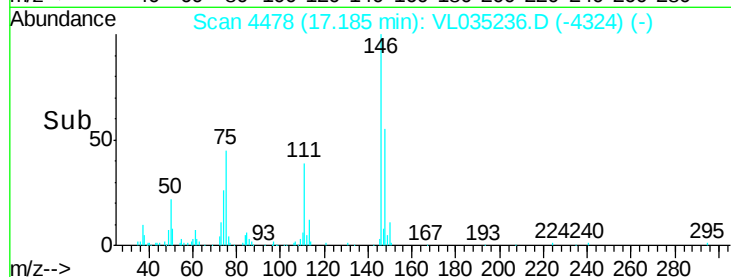
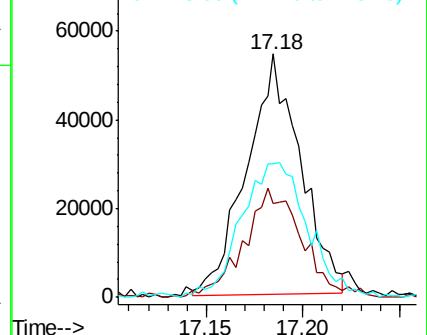
148 70.2 32.2 96.6



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: 0.248 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

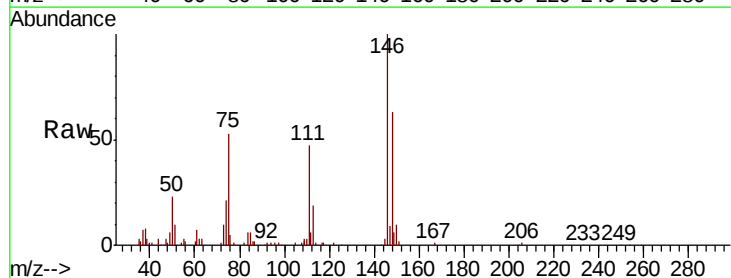
Tgt Ion:146 Resp: 52446

Ion Ratio Lower Upper

146 100

111 0.0 24.6 73.8#

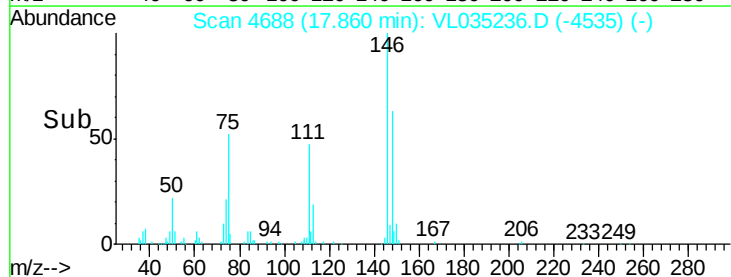
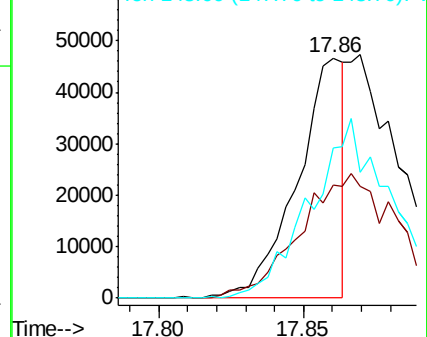
148 0.0 32.0 96.0#

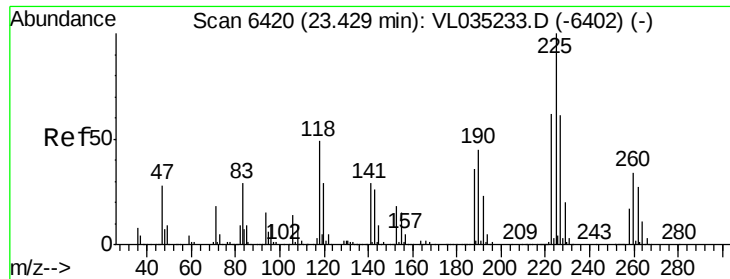


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

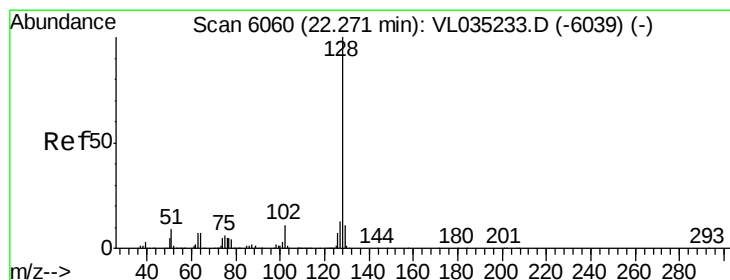
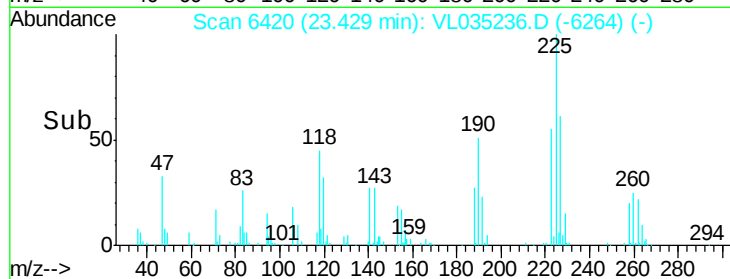
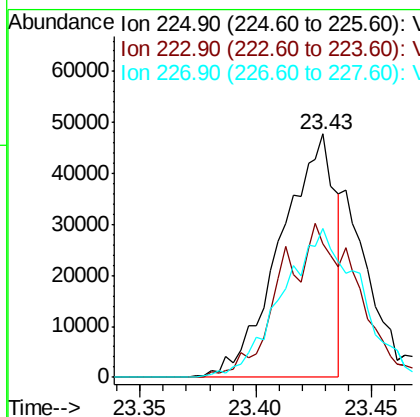
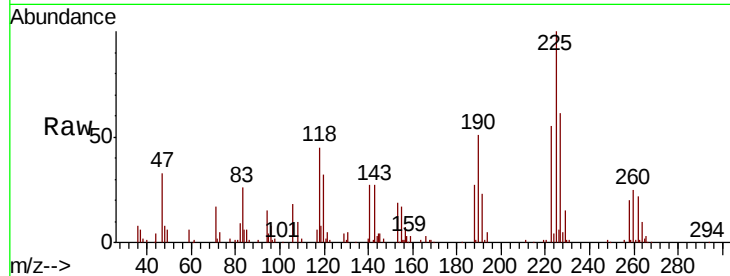




#78
Hexachloro-1,3-Butadiene
Concen: 0.471 ppbv
RT: 23.43 min Scan# 6420
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

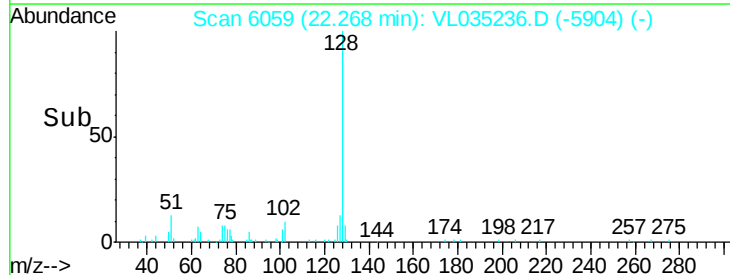
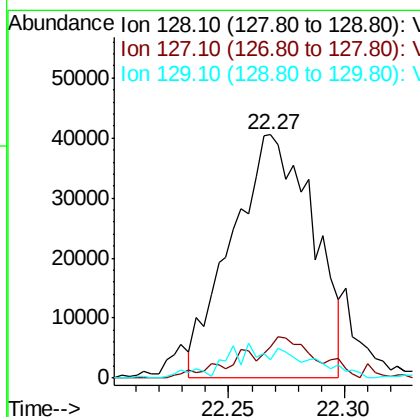
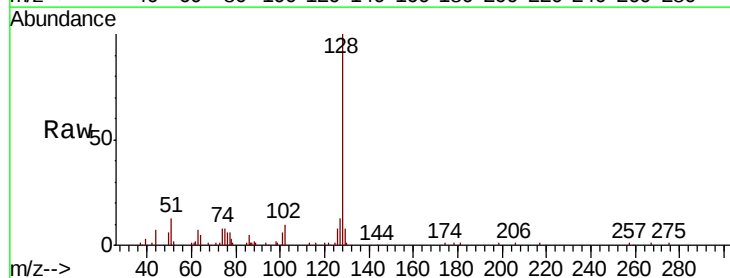
Instrument :
MSVOA_L
ClientSampleId :

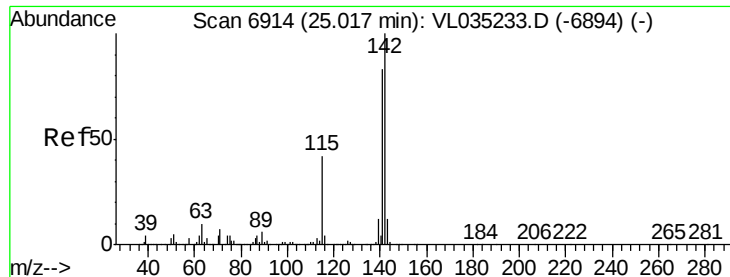
Tot Ion:225 Resp: 77864
Ion Ratio Lower Upper
225 100
223 88.7 51.3 76.9#
227 87.0 51.4 77.2#



#79
Naphthalene
Concen: 0.401 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion:128 Resp: 98186
Ion Ratio Lower Upper
128 100
127 10.9 10.4 15.6
129 6.3 8.5 12.7#

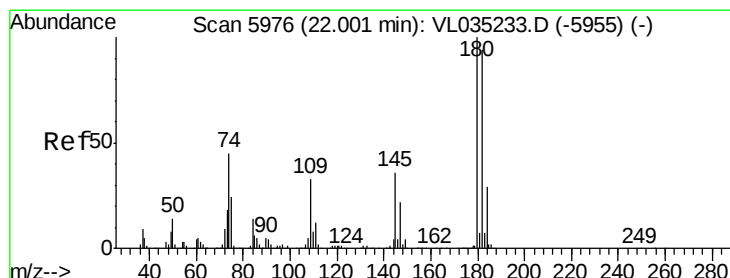
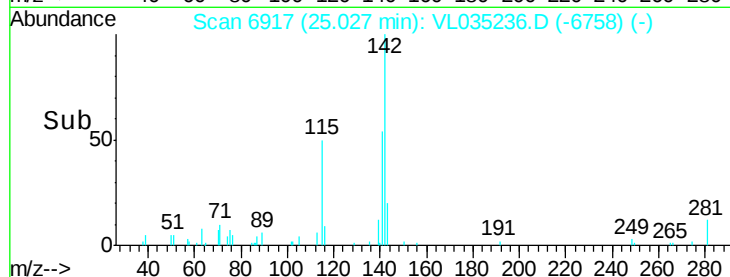
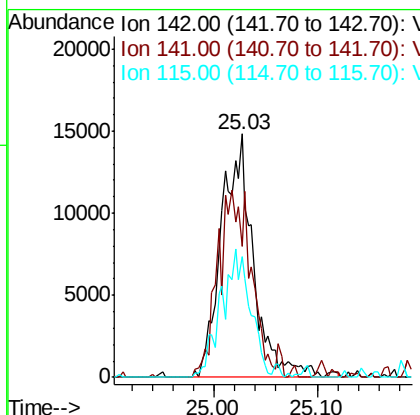
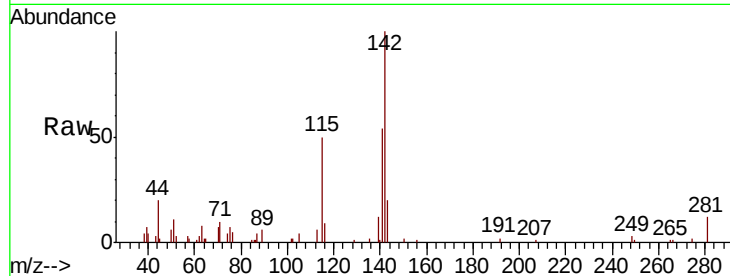




#80
Naphthalene, 2-methyl-
Concen: 0.550 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:142 Resp: 32060
Ion Ratio Lower Upper
142 100
141 81.2 68.6 103.0
115 49.3 34.5 51.7



#81
1,2,4-Trichlorobenzene
Concen: 0.428 ppbv
RT: 22.00 min Scan# 5975
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion:180 Resp: 66121
Ion Ratio Lower Upper
180 100
182 123.2 76.7 115.1#
184 41.5 24.7 37.1#

