

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035175.D
 Acq On : 8 Jul 2020 7:45
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL070820

Quant Time: Jul 08 08:53:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1353465	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3217417	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3075963	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2441712	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.00	85	1626638	8.576	ppbv	99
3) Chlorodifluoromethane	2.94	51	1344270	8.992	ppbv	96
4) Chloromethane	3.10	50	766225	9.094	ppbv	99
5) Vinyl Chloride	3.21	62	754985	8.385	ppbv	99
6) Bromomethane	3.43	94	471371	9.224	ppbv	96
7) Chloroethane	3.52	64	285890	8.981	ppbv	94
8) Dichlorotetrafluoroethane	3.14	85	1752469	8.430	ppbv	100
9) Propene	2.96	41	579177	10.251	ppbv	100
10) Heptane	8.13	43	1510786	10.416	ppbv	99
11) Trichlorofluoromethane	3.91	101	1820605	8.499	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1296477	8.618	ppbv	99
13) Ethanol	3.57	45	57099	3.174	ppbv #	12
14) Bromoethene	3.70	108	572885	9.253	ppbv	99
15) Acetone	3.81	43	1405609	7.671	ppbv	99
16) 1,3-Butadiene	3.28	39	693561	9.861	ppbv	100
17) tert-Butyl alcohol	4.26	59	1626018	10.029	ppbv	99
18) 1,1-Dichloroethene	4.26	96	601779	9.035	ppbv	97
19) Isopropyl Alcohol	3.93	45	1109693	10.038	ppbv #	97
20) Methylene Chloride	4.31	84	582740	7.309	ppbv	97
21) Allyl Chloride	4.38	41	1012332	9.492	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	601498	9.045	ppbv	97
23) Vinyl Acetate	5.05	43	2062589	10.399	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1574712	9.245	ppbv	98
25) Ethyl Acetate	5.66	43	2686954	9.449	ppbv	100
26) Hexane	5.67	57	1201239	9.581	ppbv	99
27) Carbon Disulfide	4.52	76	1594050	9.105	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1907783	9.987	ppbv	99
29) Chloroform	5.74	83	1849591	8.799	ppbv	96
30) Cyclohexane	7.13	84	993834	10.713	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1227548	10.351	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1847767	8.771	ppbv	99
34) 2-Butanone	5.22	43	1715293	9.988	ppbv	99
35) Carbon Tetrachloride	7.02	117	1895306	9.075	ppbv	96
36) Benzene	6.89	78	2374635	10.198	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1448614	9.270	ppbv	99
38) Trichloroethene	7.84	130	911251	9.604	ppbv	97
39) 1,2-Dichloropropane	7.62	63	928387	10.025	ppbv	93
40) 1,4-Dioxane	7.83	88	372503	10.104	ppbv #	1
41) Tetrahydrofuran	6.04	42	951220	11.070	ppbv	99
42) Bromodichloromethane	7.80	83	2001962	9.593	ppbv	99
43) Methyl Methacrylate	8.02	69	1072959	10.900	ppbv	99

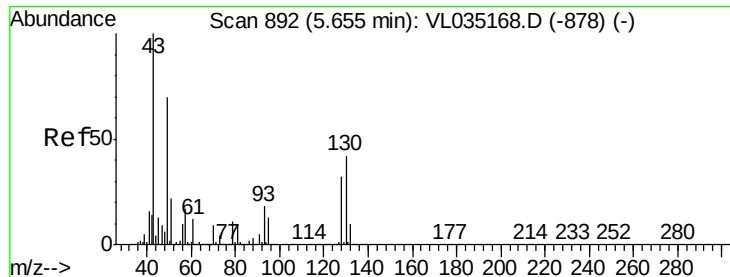
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4040828	10.053	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1202054	11.623	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1430942	11.671	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	981764	9.685	ppbv	98
48) Dibromochloromethane	10.32	129	1669219	10.121	ppbv	100
49) Bromoform	13.07	173	786017	5.448	ppbv #	33
50) 4-Methyl-2-Pentanone	8.74	43	2478880	10.058	ppbv	99
51) 2-Hexanone	10.14	43	2037813	10.843	ppbv #	99
52) Tetrachloroethene	11.24	164	848873	9.760	ppbv	96
53) Toluene	9.82	91	2734450	11.127	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1486342	9.881	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1249838	9.171	ppbv	98
57) Chlorobenzene	12.17	112	2064269	9.105	ppbv	99
58) Ethyl Benzene	12.74	91	3644542	10.720	ppbv	99
59) m/p-Xylene	13.02	91	3337831	11.015	ppbv #	43
60) o-Xylene	13.72	91	2984350	9.872	ppbv	100
61) Styrene	13.55	104	2141634	11.464	ppbv	99
62) Isopropylbenzene	14.70	105	4419835	9.863	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2120063	8.392	ppbv	99
64) n-propylbenzene	15.60	120	1172069	10.125	ppbv	97
65) tert-Butylbenzene	16.78	119	3914236	9.726	ppbv	100
66) Benzyl Chloride	17.03	91	1508153	10.518	ppbv	99
67) sec-Butylbenzene	17.33	105	5554366	9.467	ppbv	99
69) p-Isopropyltoluene	17.69	119	4580128	9.960	ppbv	100
70) n-Butylbenzene	18.59	91	4761170	9.765	ppbv	99
71) 2-Chlorotoluene	15.48	91	3400847	10.030	ppbv	100
72) 4-Ethyltoluene	15.87	105	3505734	10.292	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3297551	10.039	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3443987	9.487	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	1944353	8.458	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1946763	9.112	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1882693	9.096	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1377007	8.419	ppbv	99
79) Naphthalene	22.26	128	2942180	12.525	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	1117361	20.138	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	1606728	10.797	ppbv	99

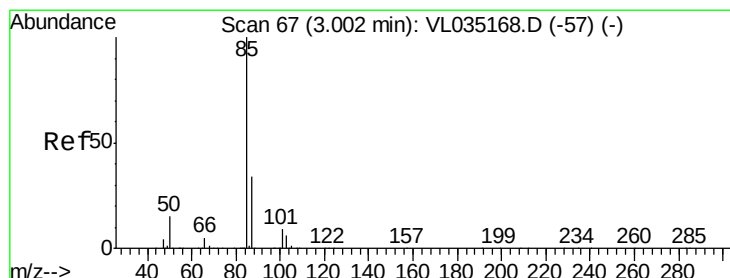
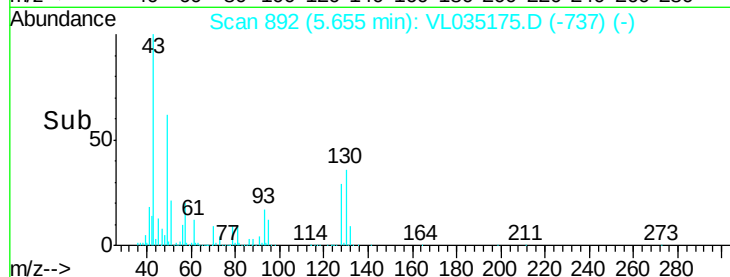
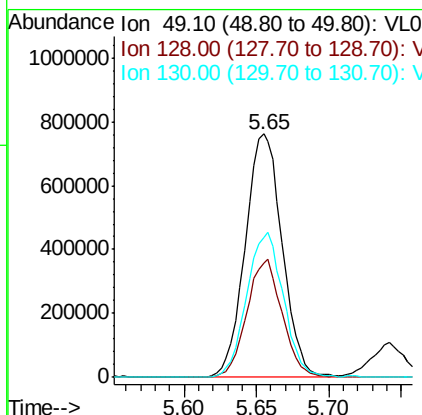
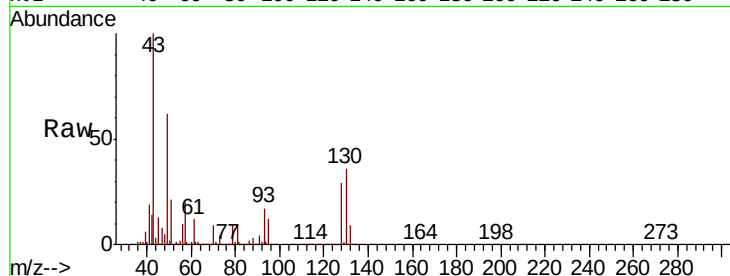
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

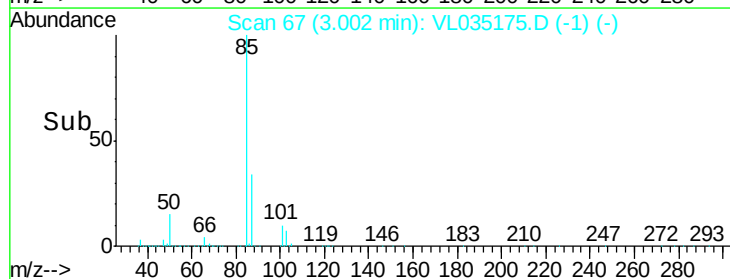
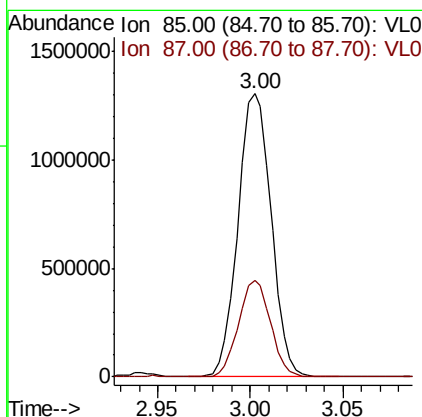
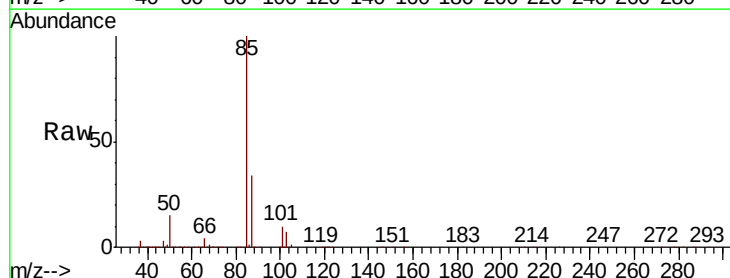
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

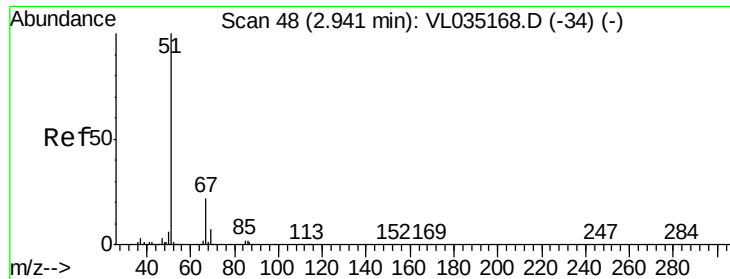
Tot Ion: 49 Resp: 1353465
Ion Ratio Lower Upper
49 100
128 46.4 23.8 71.4
130 59.4 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 8.576 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 85 Resp: 1626638
Ion Ratio Lower Upper
85 100
87 34.1 27.0 40.6





#3

Chlorodifluoromethane

Concen: 8.992 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

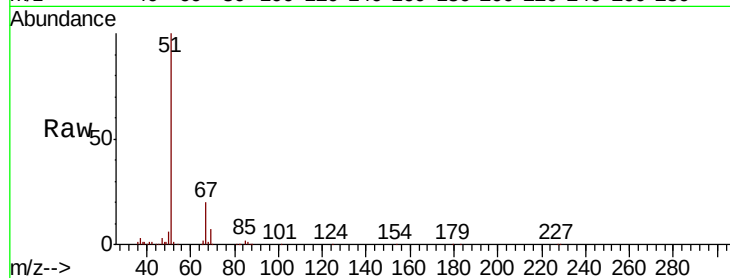
ICVVL070820

Tot Ion: 51 Resp: 1344270

Ion Ratio Lower Upper

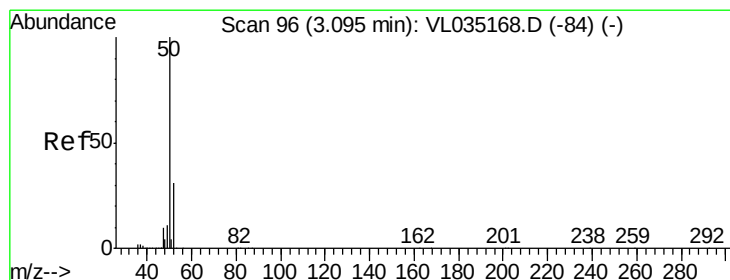
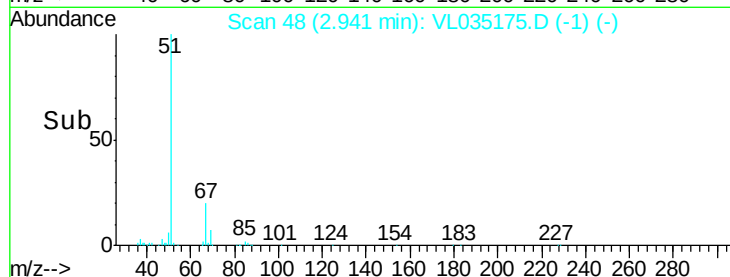
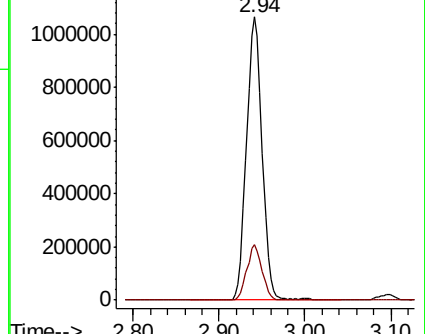
51 100

67 18.9 16.6 24.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.094 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL035175.D

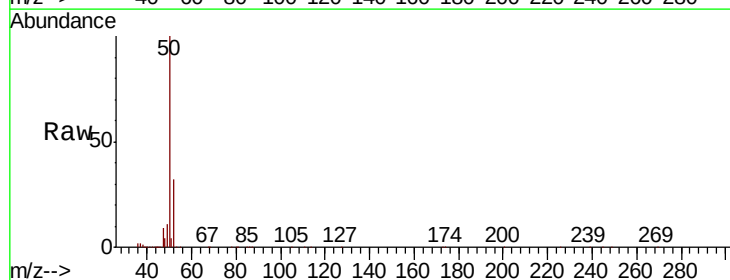
Acq: 8 Jul 2020 7:45

Tgt Ion: 50 Resp: 766225

Ion Ratio Lower Upper

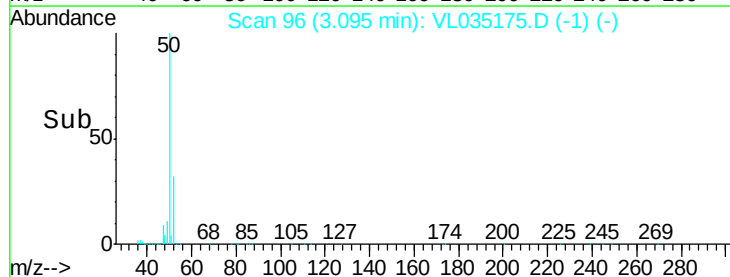
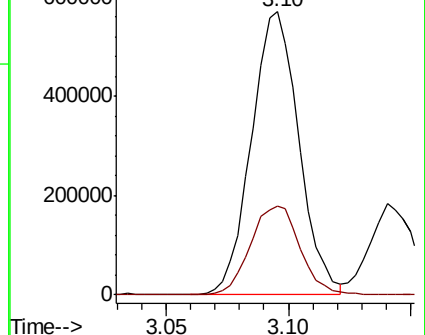
50 100

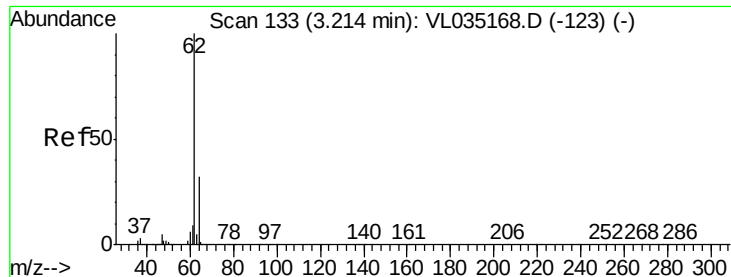
52 31.6 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.385 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

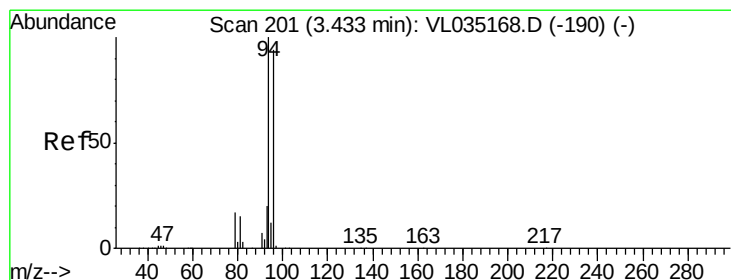
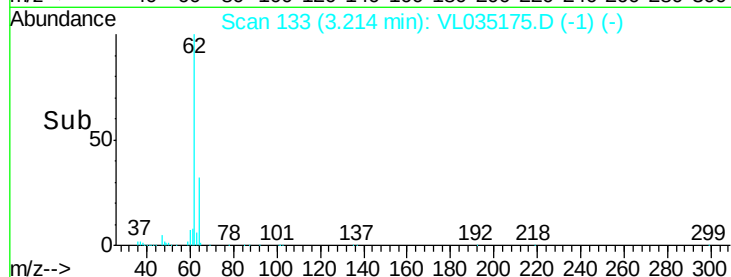
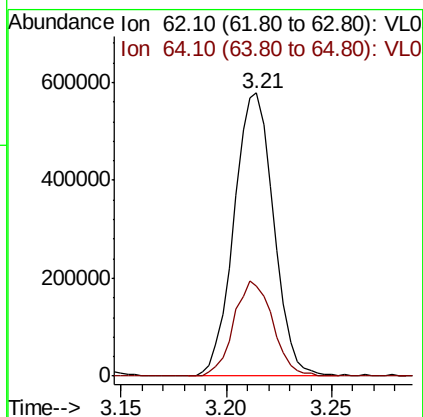
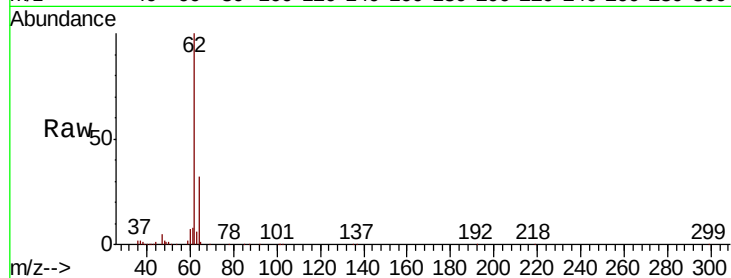
ICVVL070820

Tot Ion: 62 Resp: 754985

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9



#6

Bromomethane

Concen: 9.224 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035175.D

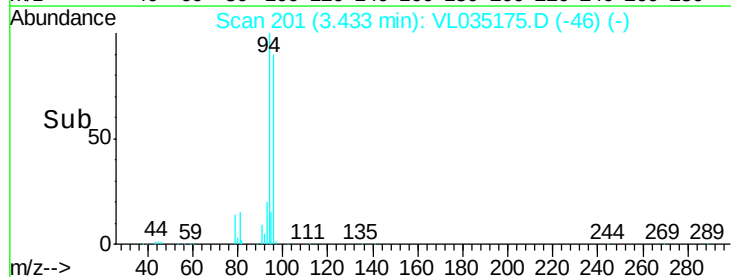
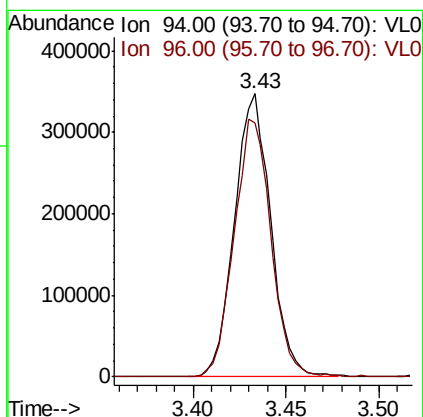
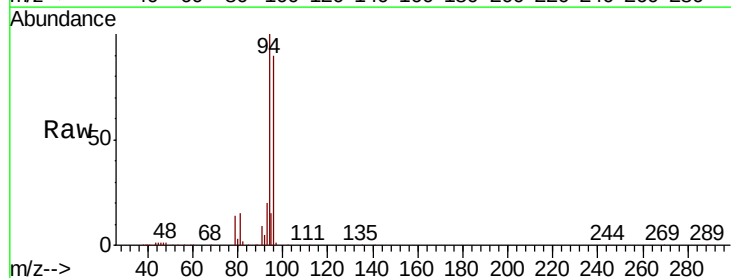
Acq: 8 Jul 2020 7:45

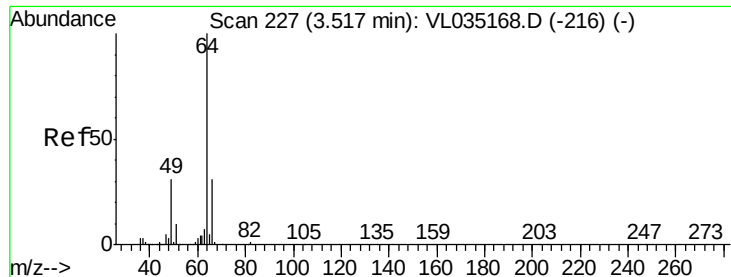
Tgt Ion: 94 Resp: 471371

Ion Ratio Lower Upper

94 100

96 89.6 74.8 112.2





#7

Chloroethane

Concen: 8.981 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

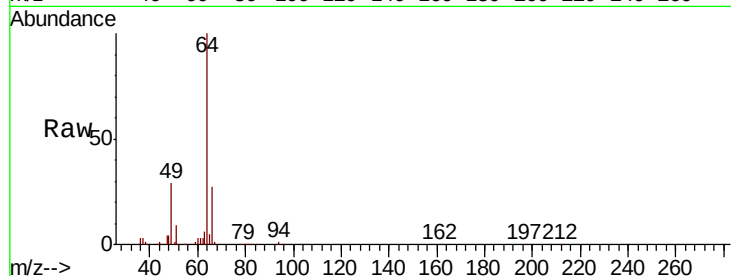
ICVVL070820

Tot Ion: 64 Resp: 285890

Ion Ratio Lower Upper

64 100

66 27.4 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

250000

200000

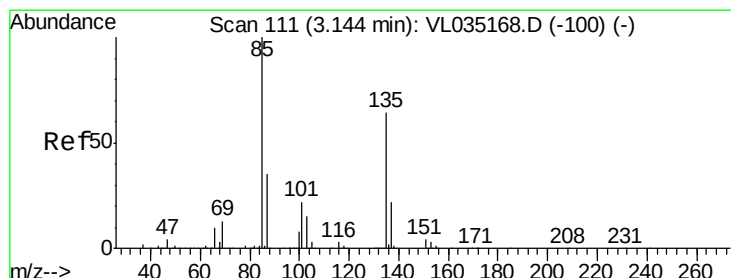
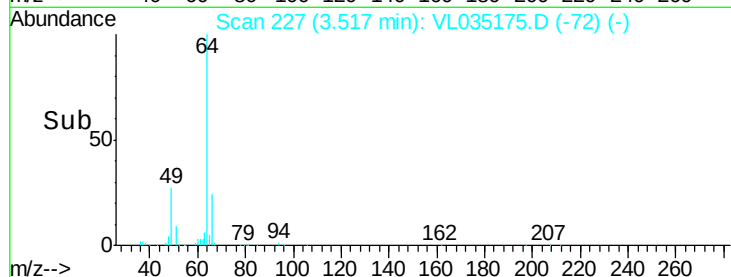
150000

100000

50000

0

Time--> 3.45 3.50 3.55



#8

Dichlorotetrafluoroethane

Concen: 8.430 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035175.D

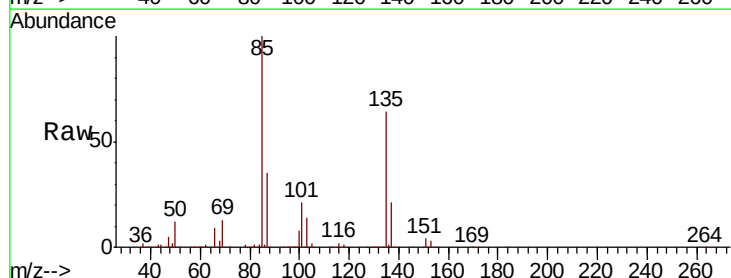
Acq: 8 Jul 2020 7:45

Tgt Ion: 85 Resp: 1752469

Ion Ratio Lower Upper

85 100

135 65.2 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.14

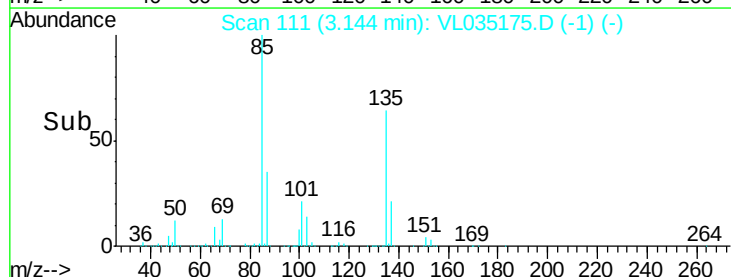
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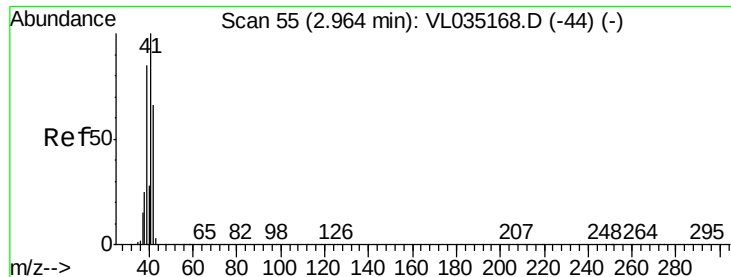
1000000

500000

0

Time--> 3.10 3.15 3.20





#9

Propene

Concen: 10.251 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

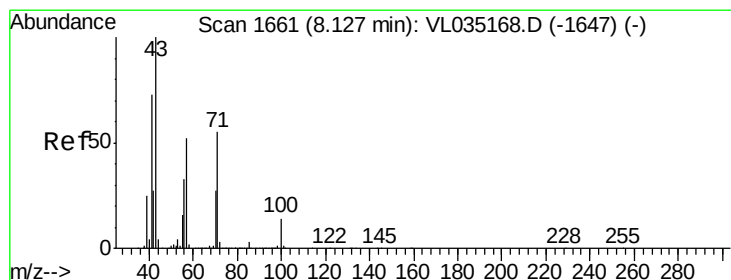
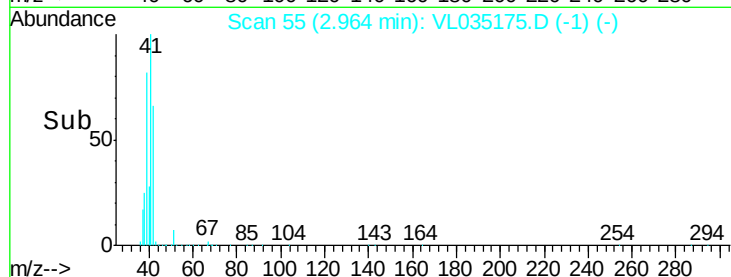
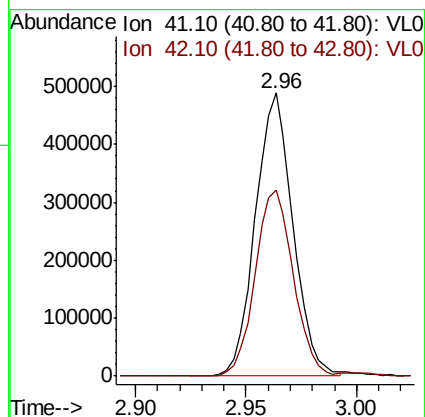
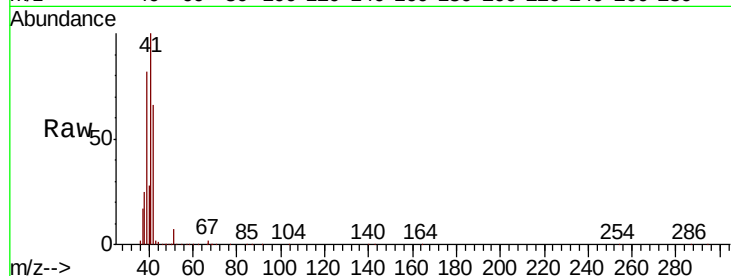
ICVVL070820

Tot Ion: 41 Resp: 579177

Ion Ratio Lower Upper

41 100

42 67.9 54.6 81.8



#10

Heptane

Concen: 10.416 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL035175.D

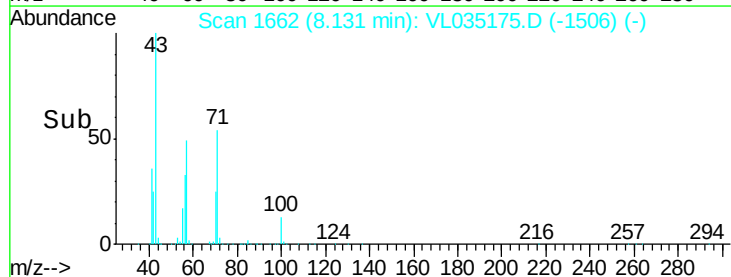
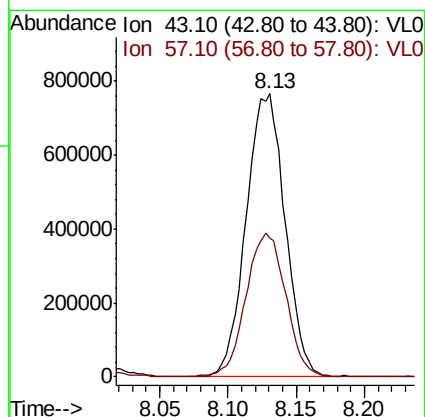
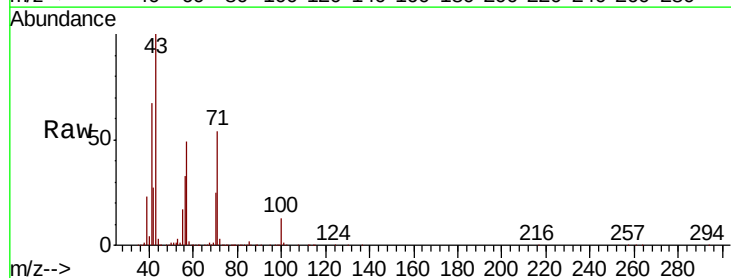
Acq: 8 Jul 2020 7:45

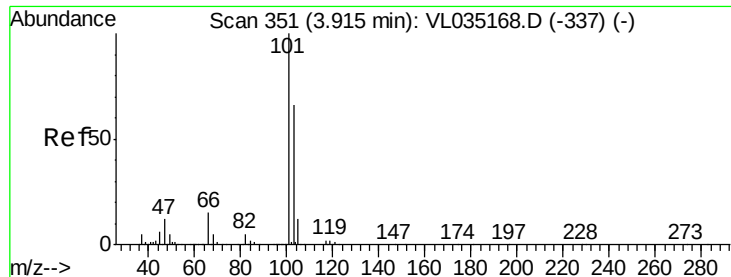
Tgt Ion: 43 Resp: 1510786

Ion Ratio Lower Upper

43 100

57 51.7 41.8 62.6





#11

Trichlorofluoromethane

Concen: 8.499 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

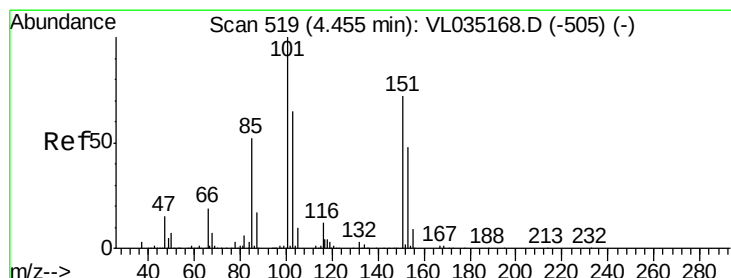
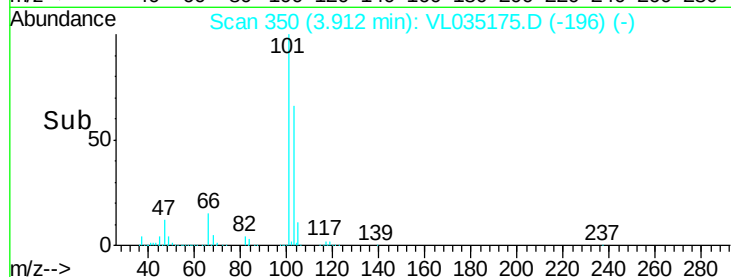
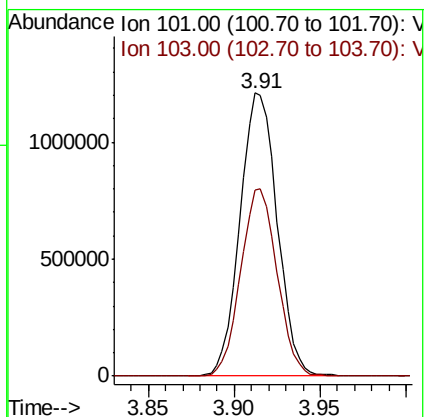
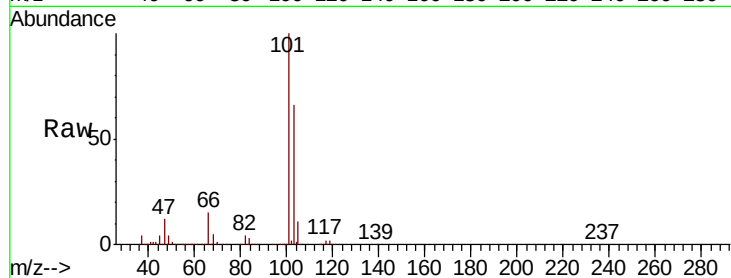
ICVVL070820

Tot Ion:101 Resp: 1820605

Ion Ratio Lower Upper

101 100

103 65.8 53.1 79.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.618 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.00 min

Lab File: VL035175.D

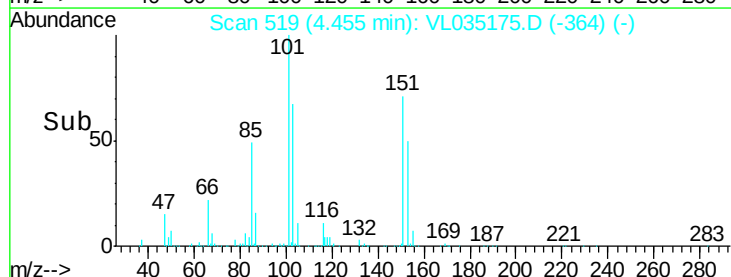
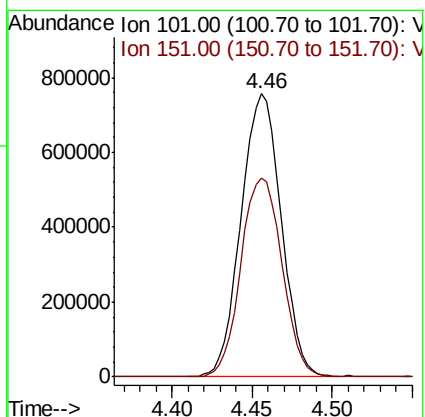
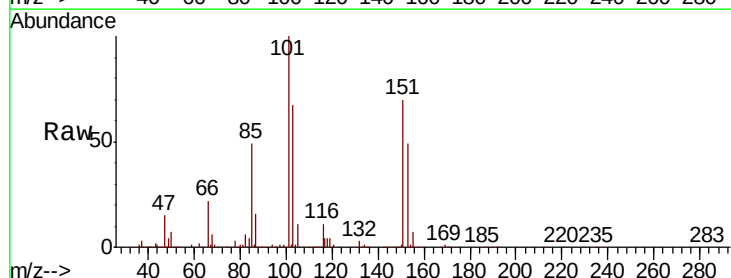
Acq: 8 Jul 2020 7:45

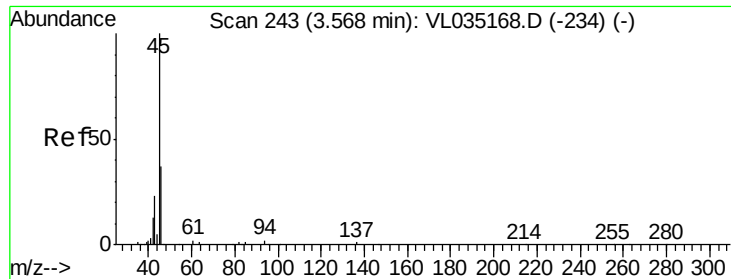
Tgt Ion:101 Resp: 1296477

Ion Ratio Lower Upper

101 100

151 72.2 57.0 85.4





#13

Ethanol

Concen: 3.174 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

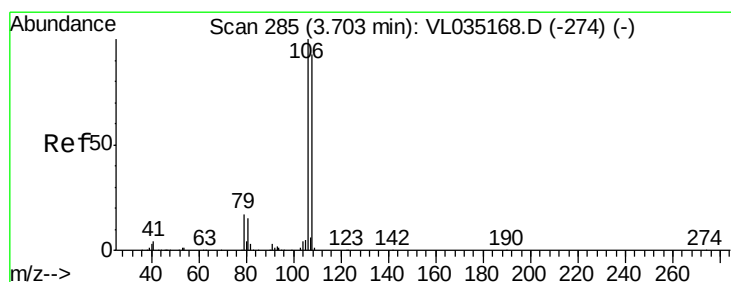
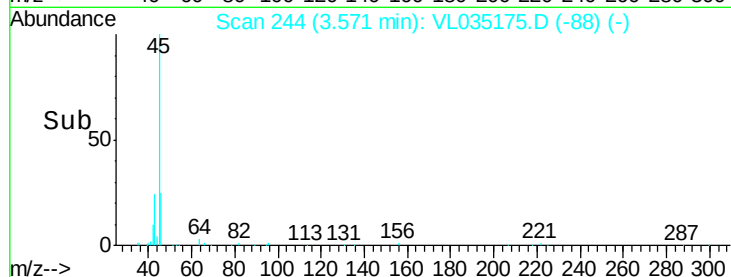
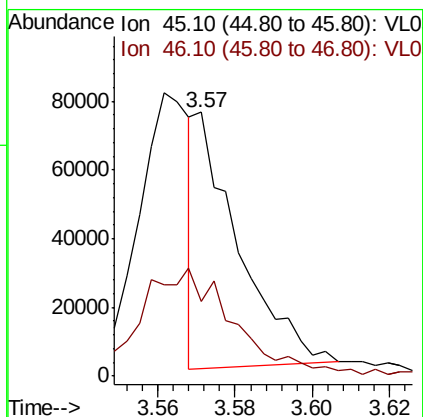
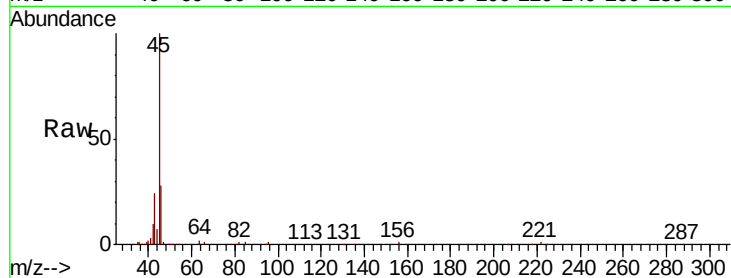
ICVVL070820

Tot Ion: 45 Resp: 57099

Ion Ratio Lower Upper

45 100

46 95.3 16.2 65.0#



#14

Bromoethene

Concen: 9.253 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

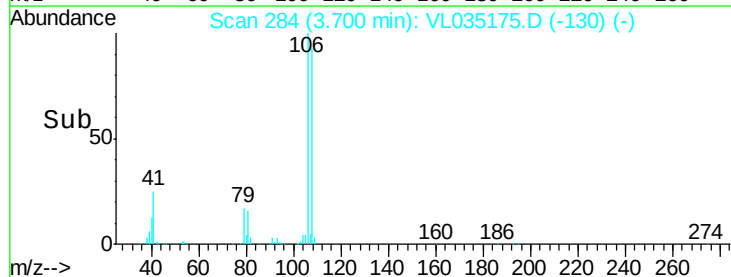
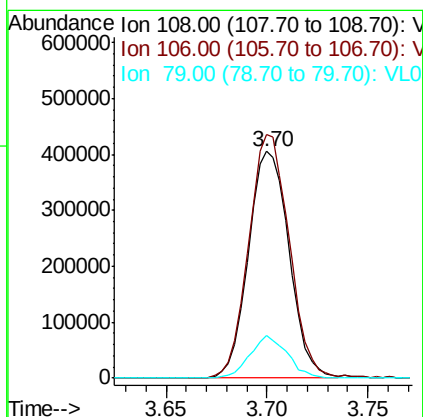
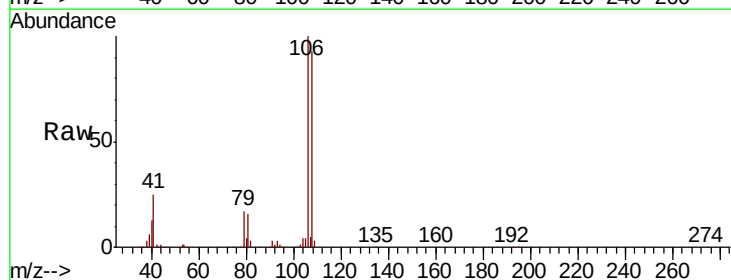
Tgt Ion: 108 Resp: 572885

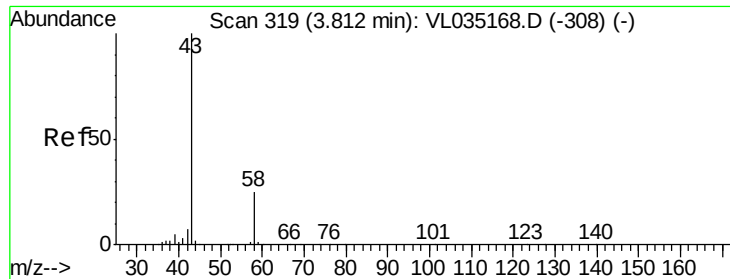
Ion Ratio Lower Upper

108 100

106 108.3 86.2 129.2

79 17.5 15.0 22.6





#15

Acetone

Concen: 7.671 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

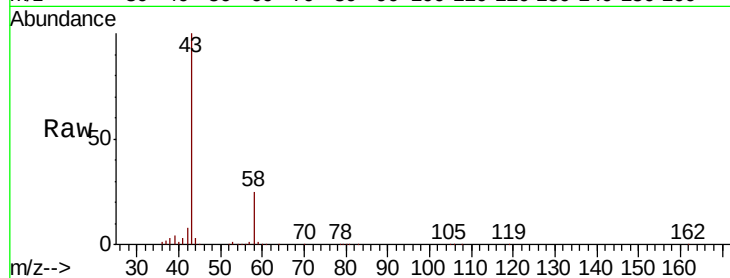
ICVVL070820

Tot Ion: 43 Resp: 1405609

Ion Ratio Lower Upper

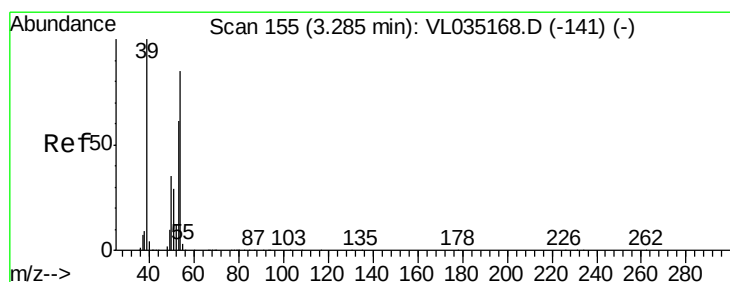
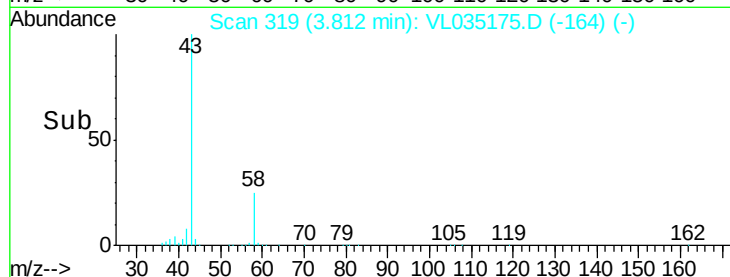
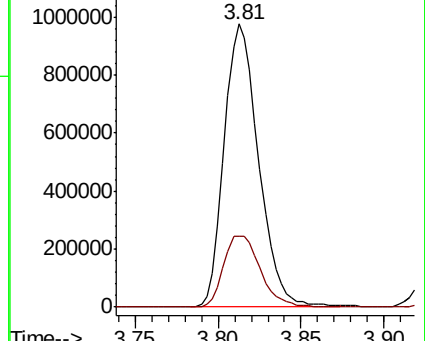
43 100

58 27.2 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.861 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035175.D

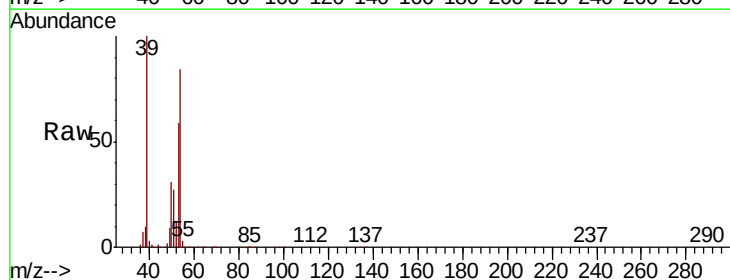
Acq: 8 Jul 2020 7:45

Tgt Ion: 39 Resp: 693561

Ion Ratio Lower Upper

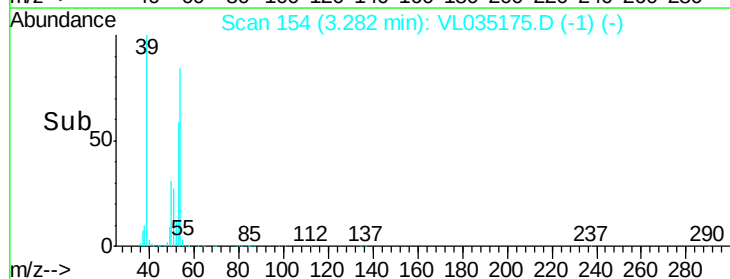
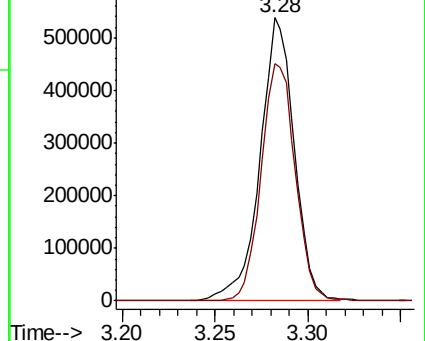
39 100

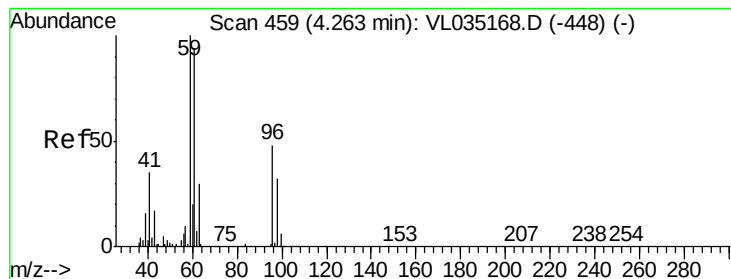
54 84.0 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.029 ppbv

RT: 4.26 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

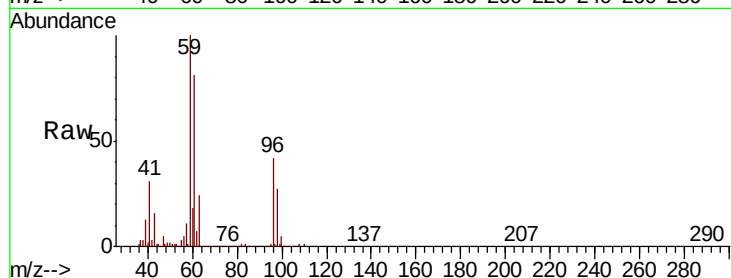
ICVVL070820

Tot Ion: 59 Resp: 1626018

Ion Ratio Lower Upper

59 100

57 10.9 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.26

800000

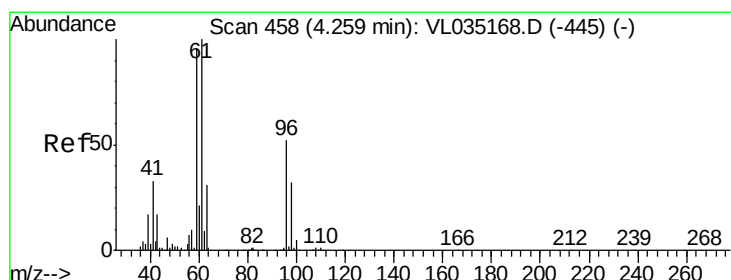
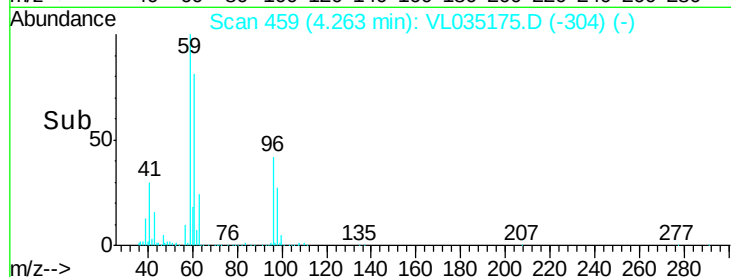
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.035 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

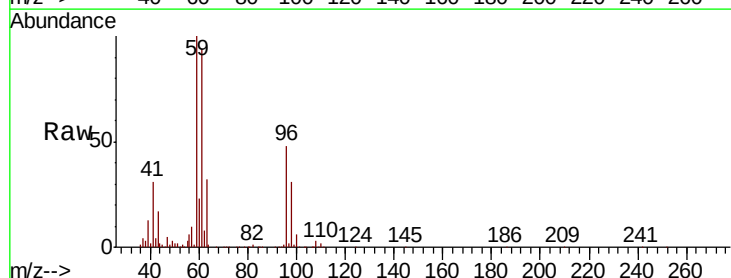
Tgt Ion: 96 Resp: 601779

Ion Ratio Lower Upper

96 100

61 194.7 152.9 229.3

98 63.9 48.7 73.1



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

1000000

800000

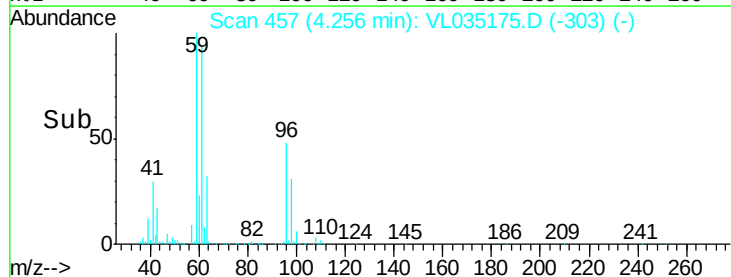
600000

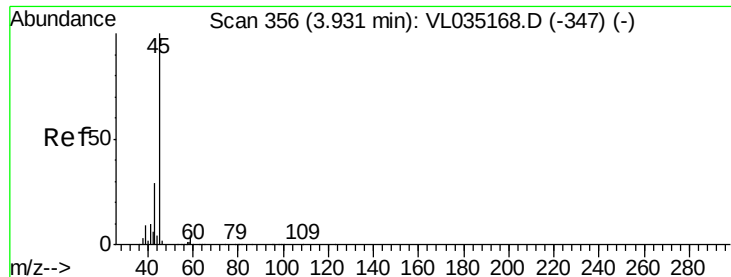
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.038 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

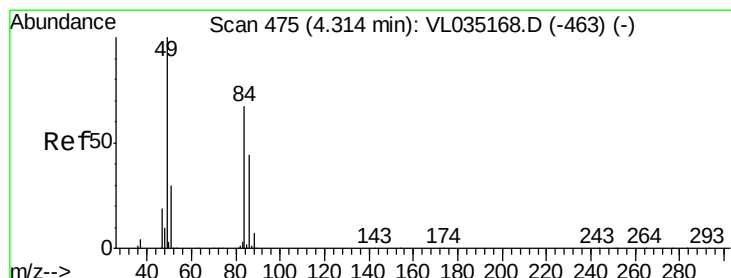
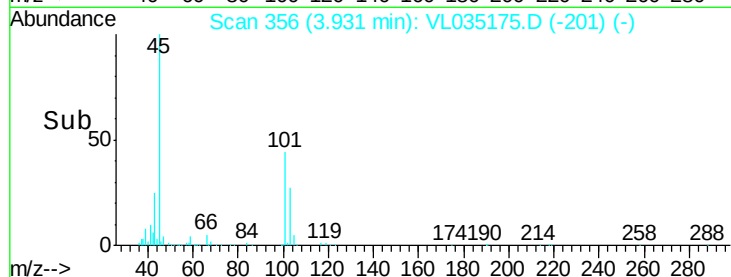
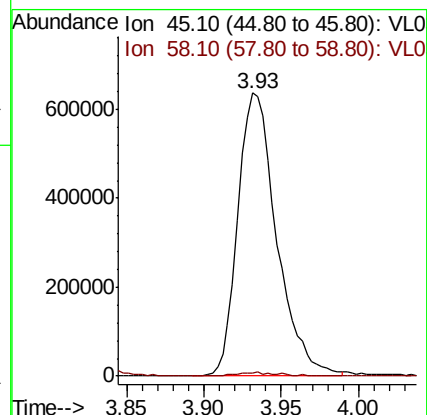
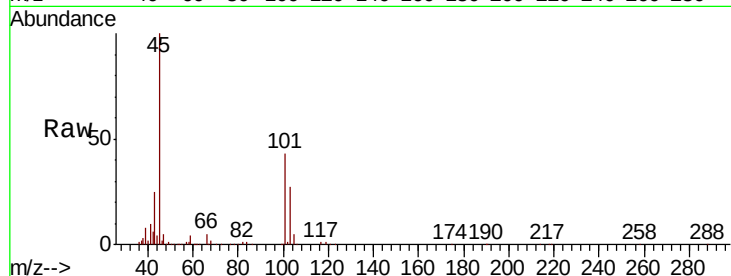
ICVVL070820

Tot Ion: 45 Resp: 1109693

Ion Ratio Lower Upper

45 100

58 1.7 2.1 3.1#



#20

Methylene Chloride

Concen: 7.309 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion: 84 Resp: 582740

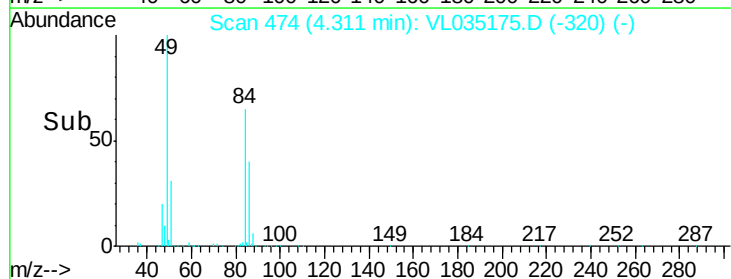
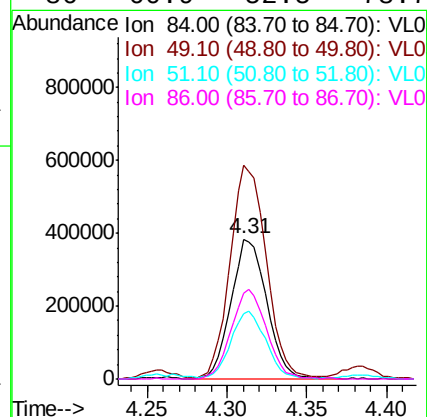
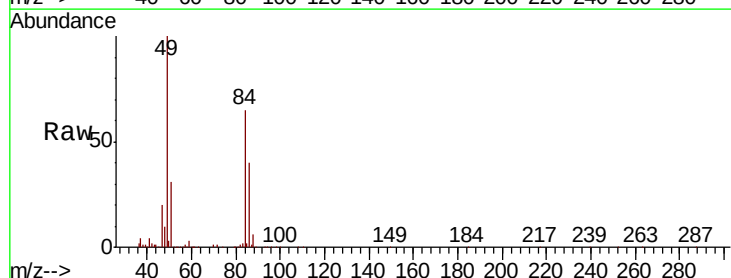
Ion Ratio Lower Upper

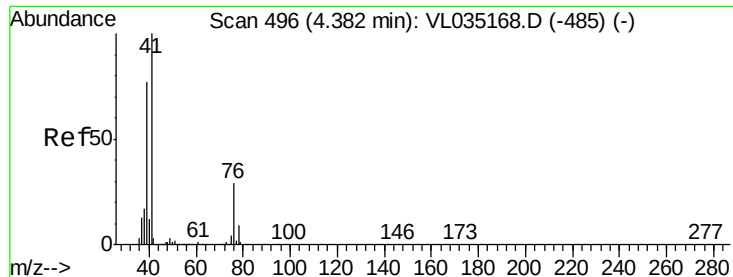
84 100

49 152.0 119.4 179.0

51 45.5 36.6 55.0

86 60.9 52.5 78.7





#21

Allvl Chloride

Concen: 9.492 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

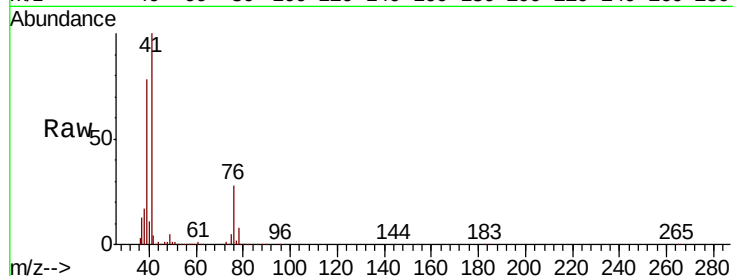
Tot Ion: 41 Resp: 1012332

Ion Ratio Lower Upper

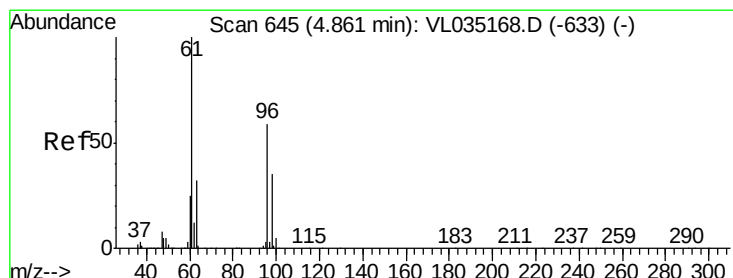
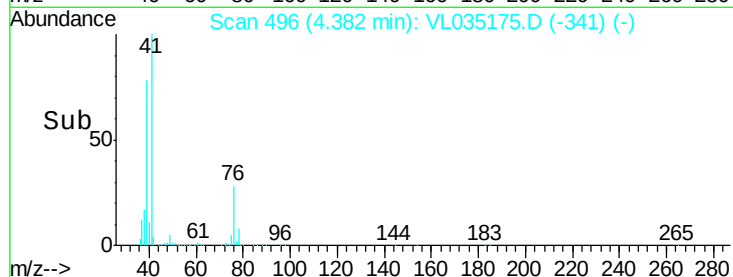
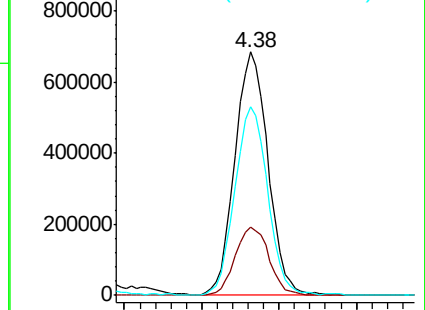
41 100

76 28.8 23.5 35.3

39 77.9 63.4 95.0



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



#22

trans-1,2-Dichloroethene

Concen: 9.045 ppbv

RT: 4.86 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

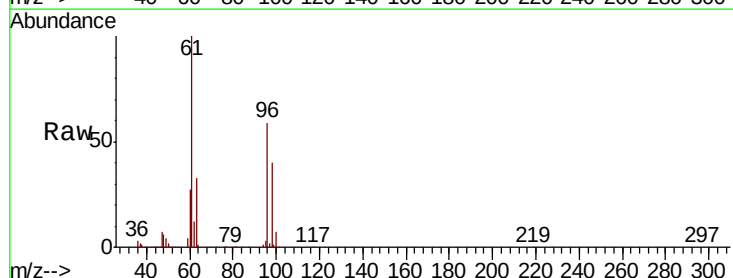
Tgt Ion: 96 Resp: 601498

Ion Ratio Lower Upper

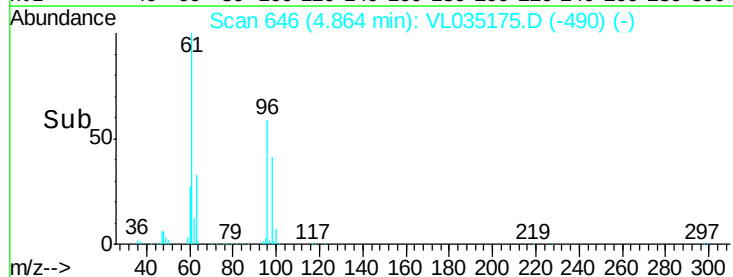
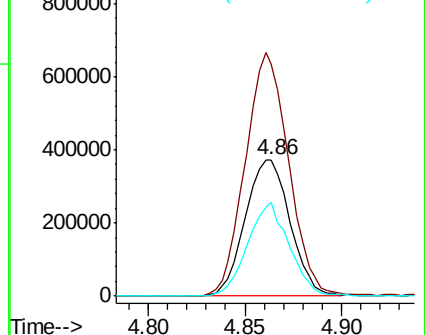
96 100

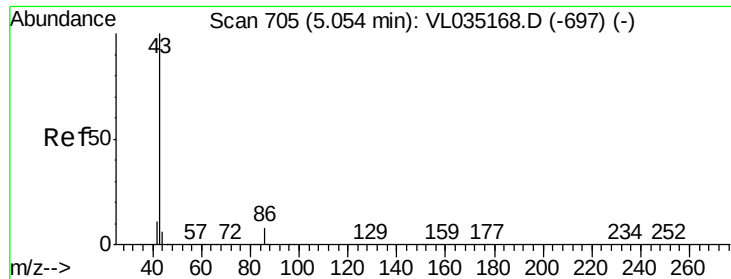
61 170.1 136.5 204.7

98 68.6 47.5 71.3



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





#23

Vinyl Acetate

Concen: 10.399 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 43 Resp: 2062589

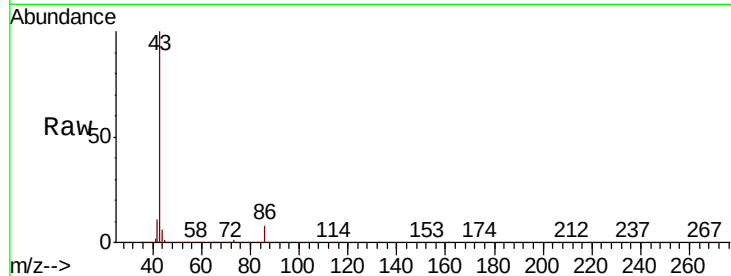
Ion Ratio Lower Upper

43 100

86 7.8 6.2 9.2

42 10.5 9.1 13.7

44 5.9 4.6 6.8

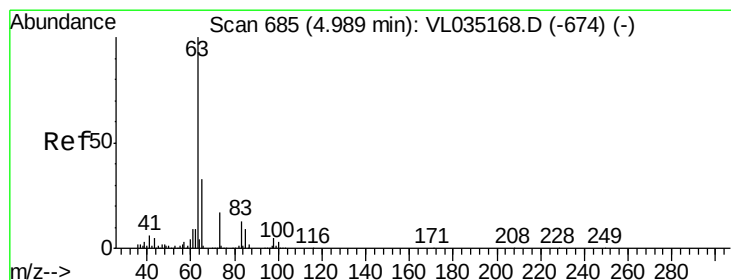
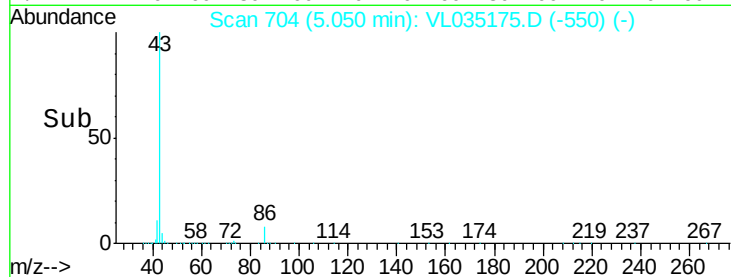
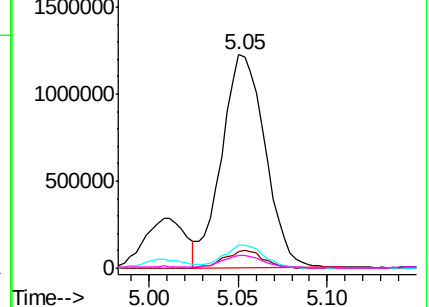


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.245 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

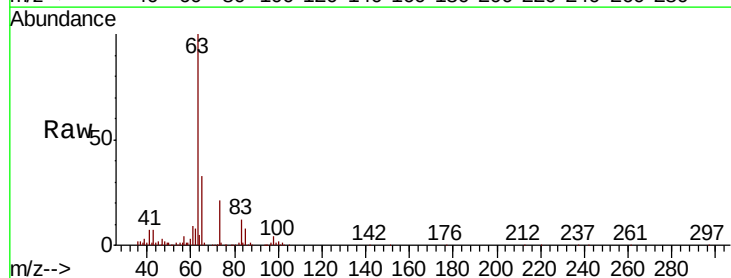
Tgt Ion: 63 Resp: 1574712

Ion Ratio Lower Upper

63 100

98 3.8 2.4 7.1

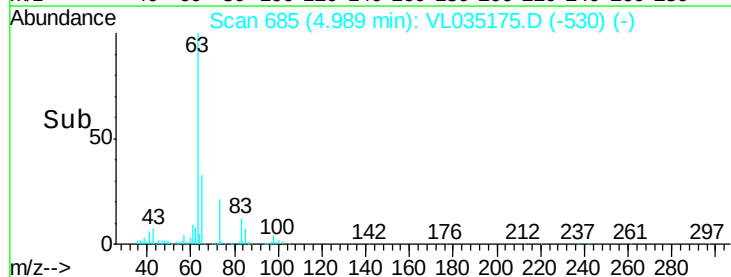
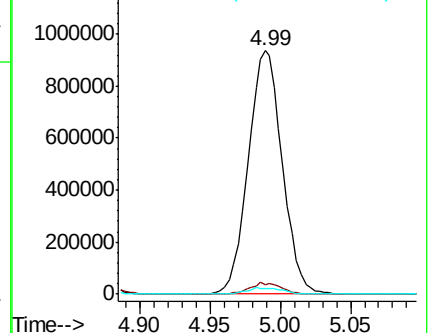
100 2.5 1.4 4.0

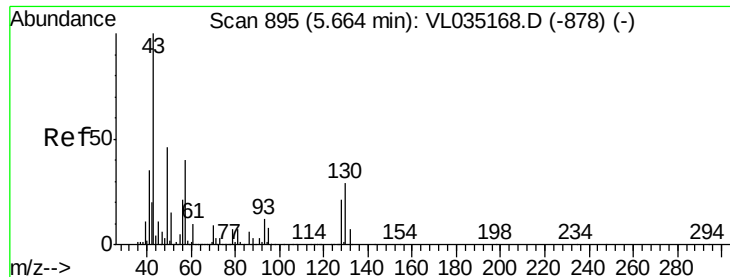


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.449 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 43 Resp: 2686954

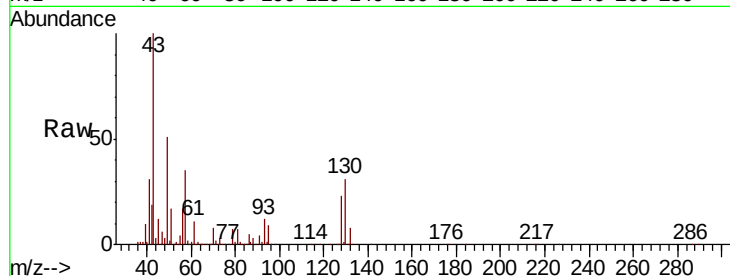
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	9.8	8.1	12.1
70	7.9	6.3	9.5

43 100

45 10.5 8.5 12.7

61 9.8 8.1 12.1

70 7.9 6.3 9.5



Abundance

Ion 43.10 (42.80 to 43.80): VL0

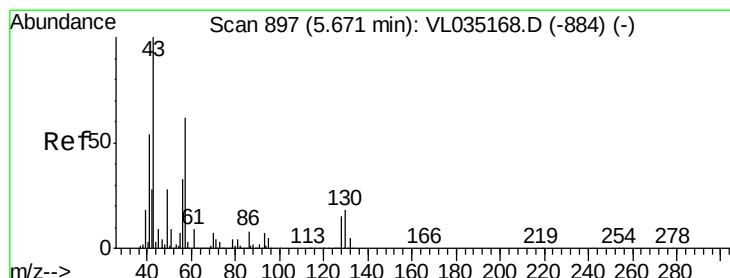
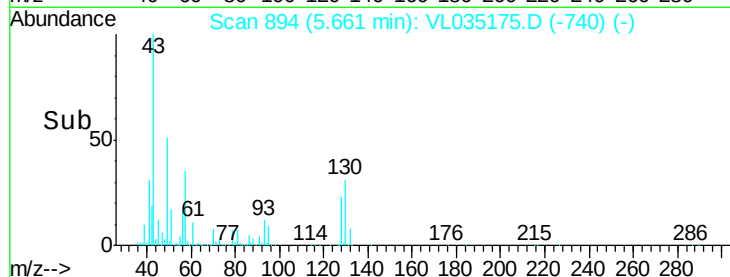
Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

5.66

Time-->



#26

Hexane

Concen: 9.581 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion: 57 Resp: 1201239

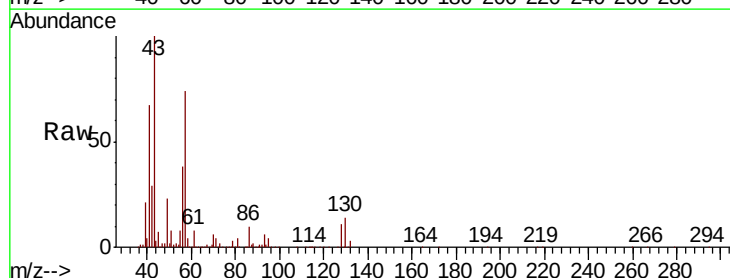
Ion	Ratio	Lower	Upper
57	100		
41	91.5	72.9	109.3
43	225.3	179.5	269.3
56	52.8	42.9	64.3

57 100

41 91.5 72.9 109.3

43 225.3 179.5 269.3

56 52.8 42.9 64.3



Abundance

Ion 57.10 (56.80 to 57.80): VL0

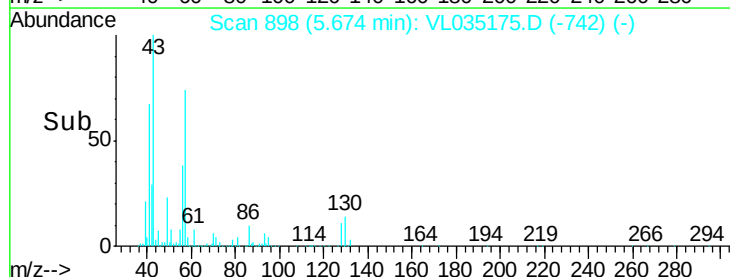
Ion 41.10 (40.80 to 41.80): VL0

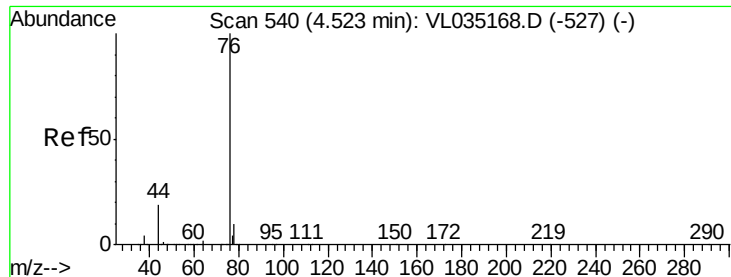
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

5.67

Time-->





#27

Carbon Disulfide

Concen: 9.105 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

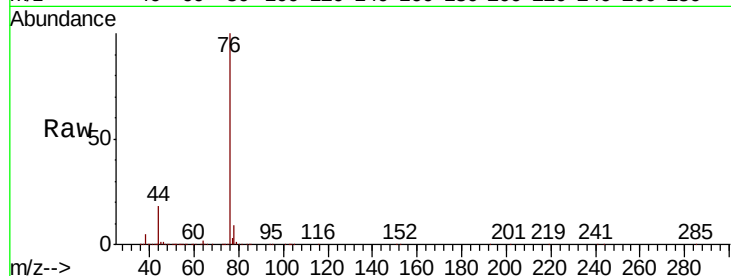
Tot Ion: 76 Resp: 1594050

Ion	Ratio	Lower	Upper
76	100		
44	18.6	14.9	22.3
78	9.5	7.5	11.3

76 100

44 18.6 14.9 22.3

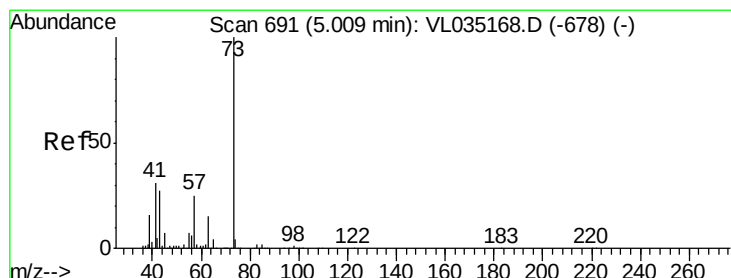
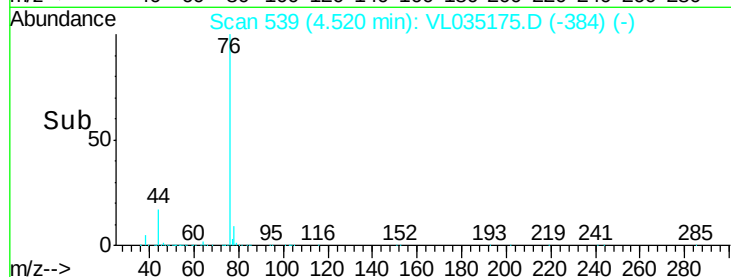
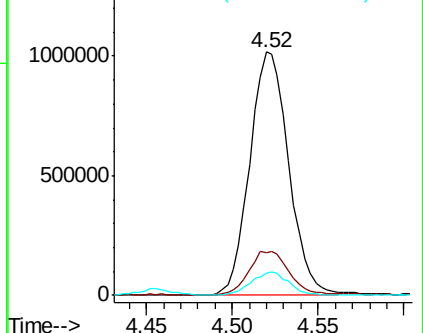
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.987 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL035175.D

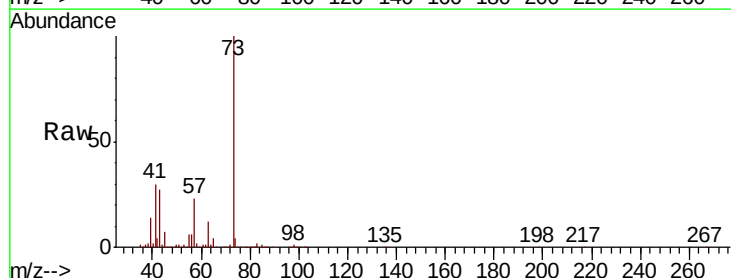
Acq: 8 Jul 2020 7:45

Tgt Ion: 73 Resp: 1907783

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.1	27.1

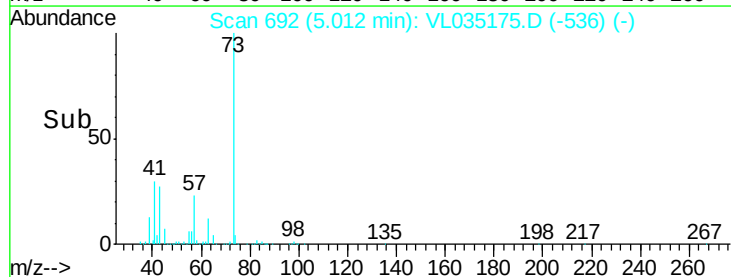
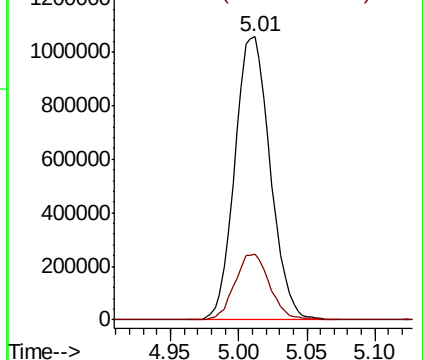
73 100

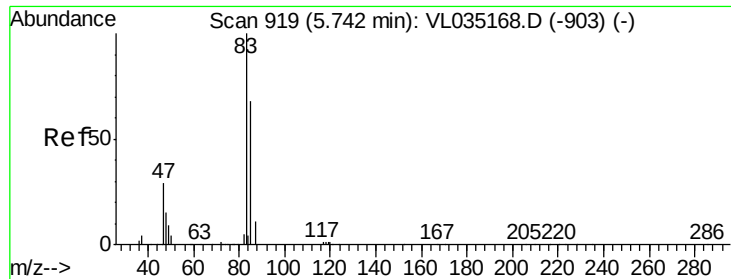
57 23.0 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

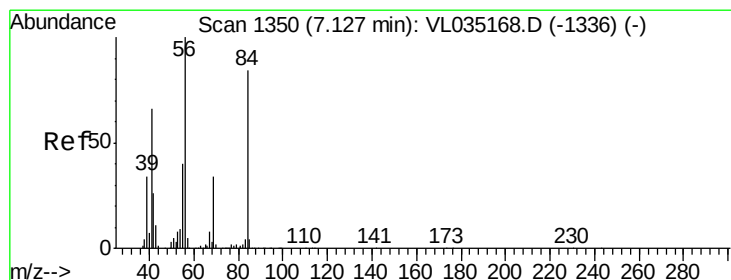
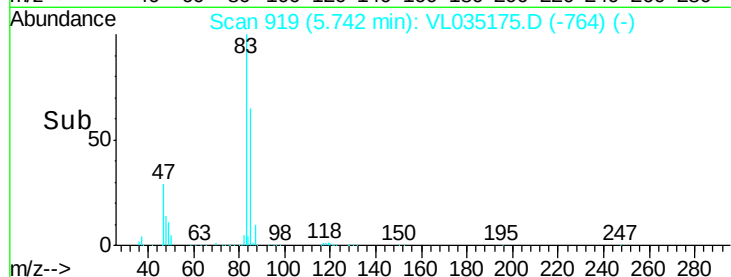
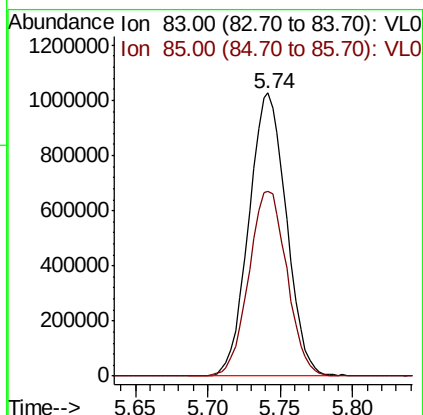
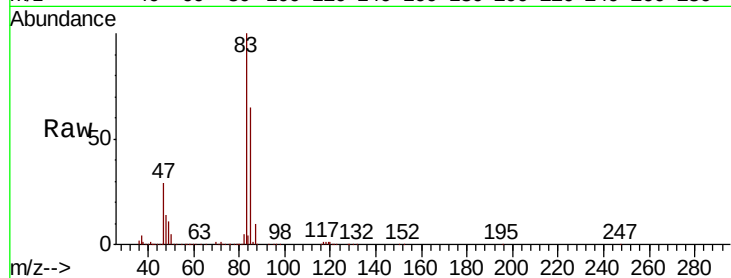




#29
Chloroform
Concen: 8.799 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

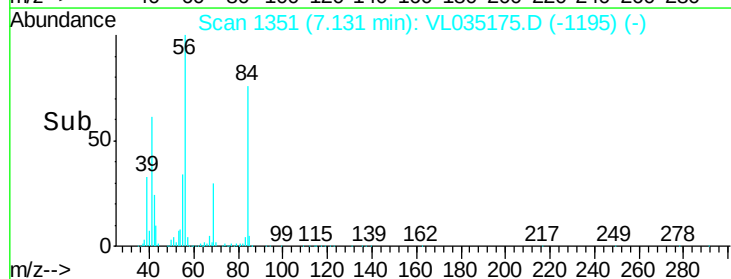
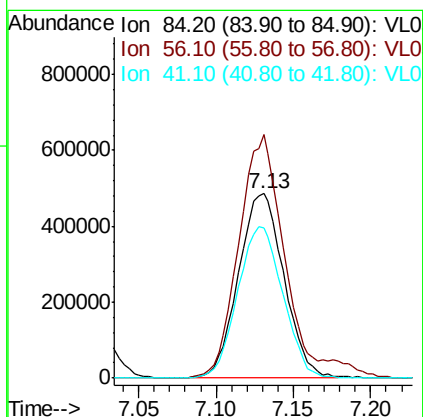
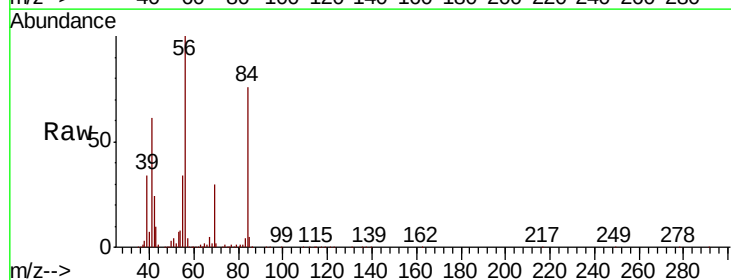
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

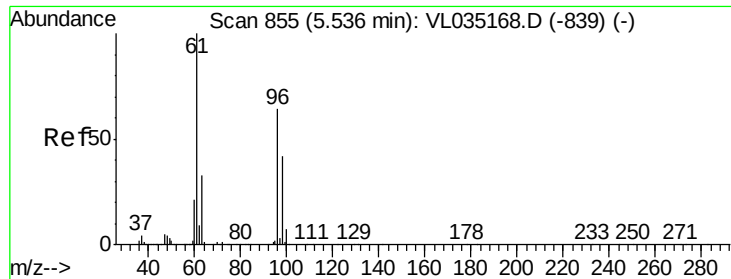
Tot Ion: 83 Resp: 1849591
Ion Ratio Lower Upper
83 100
85 65.0 54.3 81.5



#30
Cyclohexane
Concen: 10.713 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 84 Resp: 993834
Ion Ratio Lower Upper
84 100
56 135.4 105.6 158.4
41 81.6 64.9 97.3





#31

cis-1,2-Dichloroethene

Concen: 10.351 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

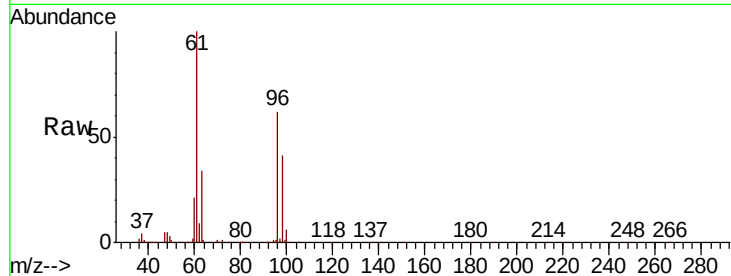
MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 61 Resp: 1227548

Ion	Ratio	Lower	Upper
61	100		
96	62.4	51.3	76.9
98	41.3	33.8	50.8

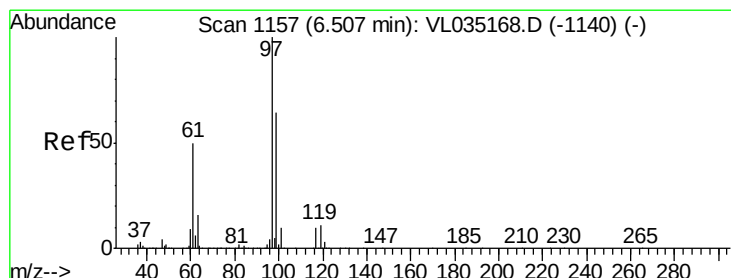
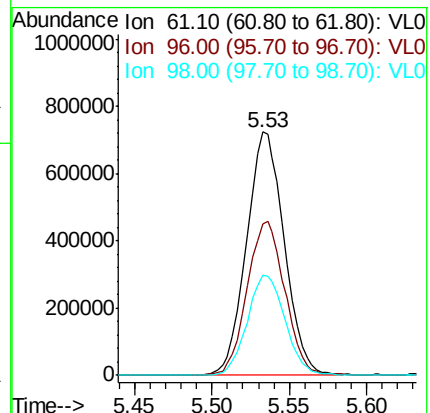
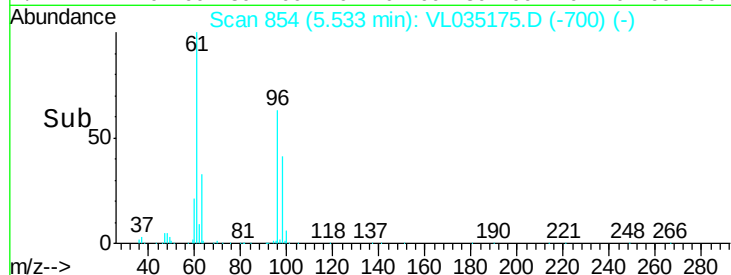


Abundance

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: 8.771 ppbv

RT: 6.51 min Scan# 1157

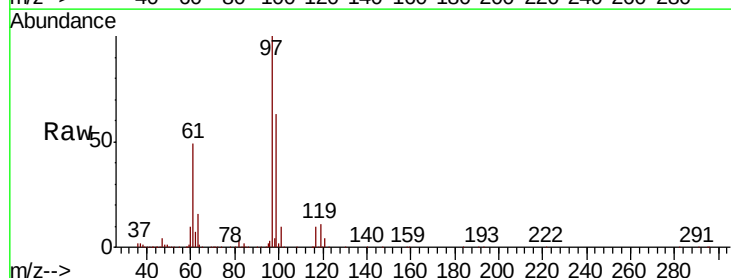
Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion: 97 Resp: 1847767

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	50.2	40.9	61.3

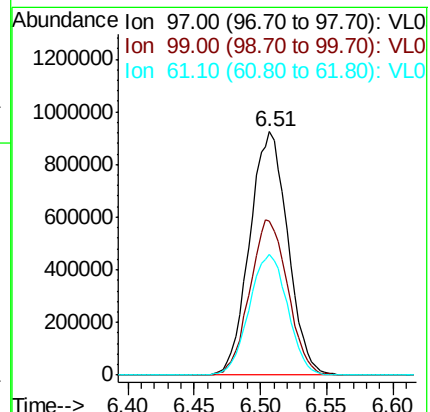
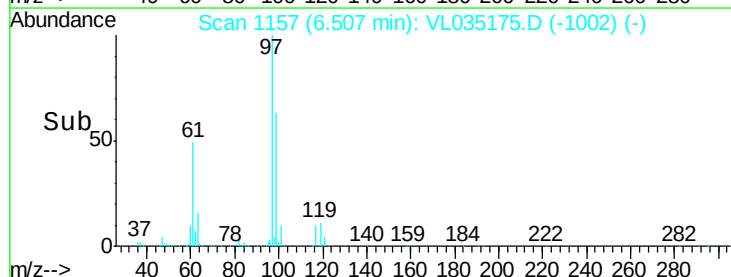


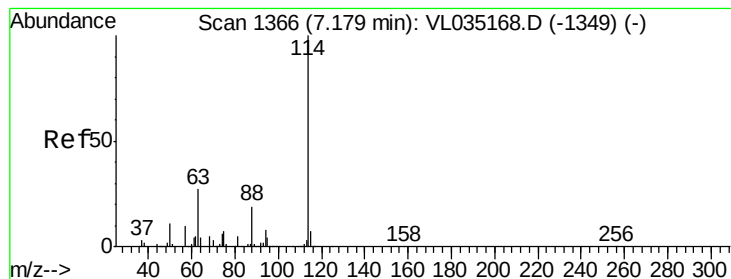
Abundance

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: 7.18 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

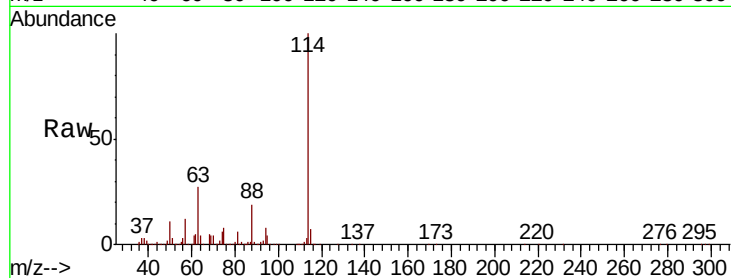
Tot Ion:114 Resp: 3217417

Ion Ratio Lower Upper

114 100

63 27.1 22.0 33.0

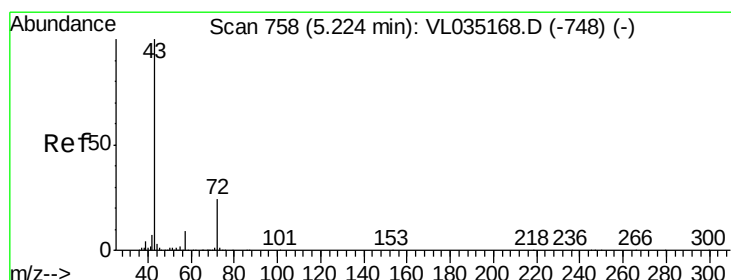
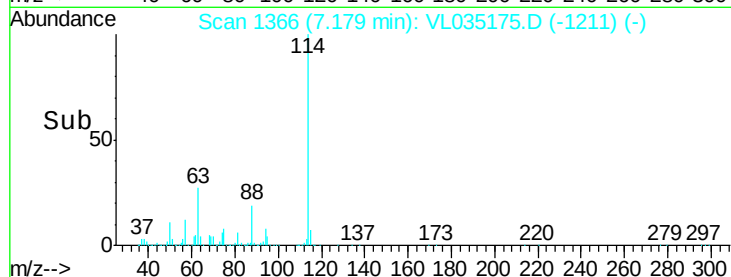
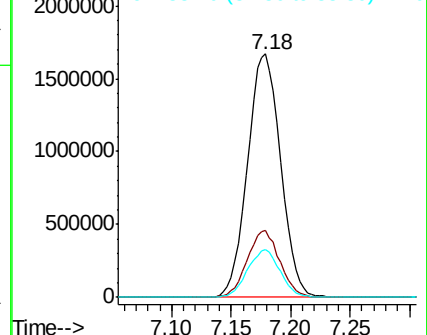
88 19.3 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.988 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.00 min

Lab File: VL035175.D

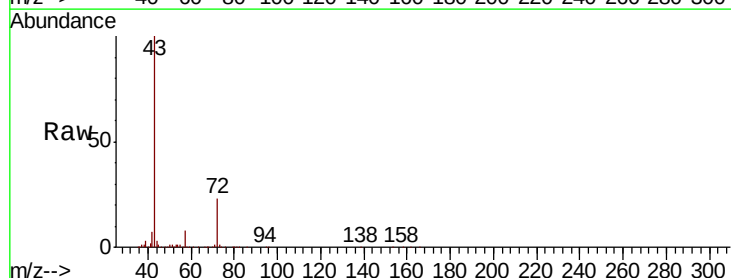
Acq: 8 Jul 2020 7:45

Tgt Ion: 43 Resp: 1715293

Ion Ratio Lower Upper

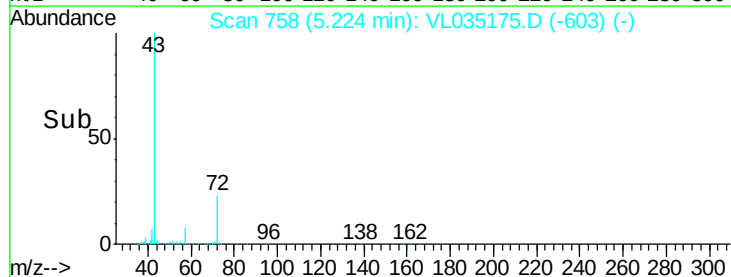
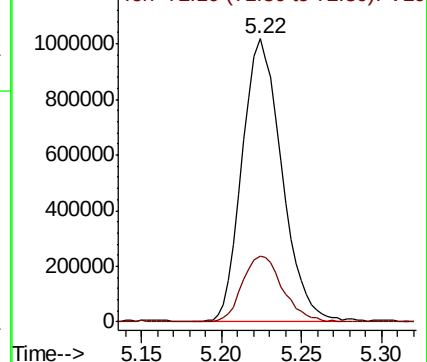
43 100

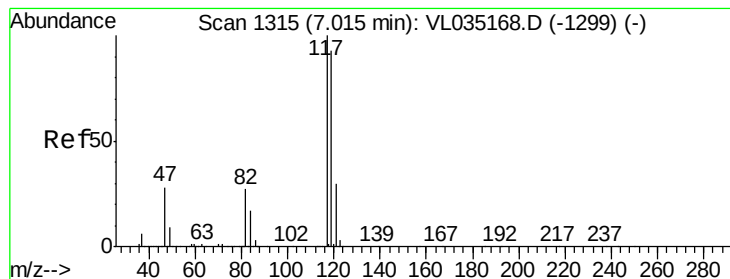
72 23.9 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.075 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

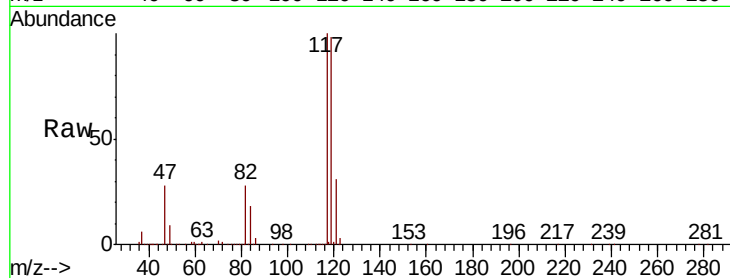
Tot Ion:117 Resp: 1895306

Ion Ratio Lower Upper

117 100

119 97.7 74.8 112.2

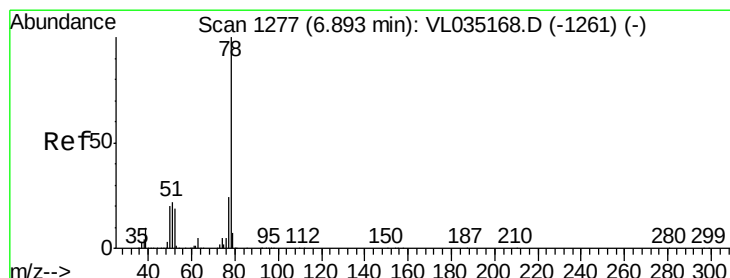
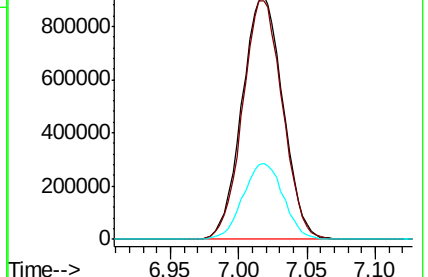
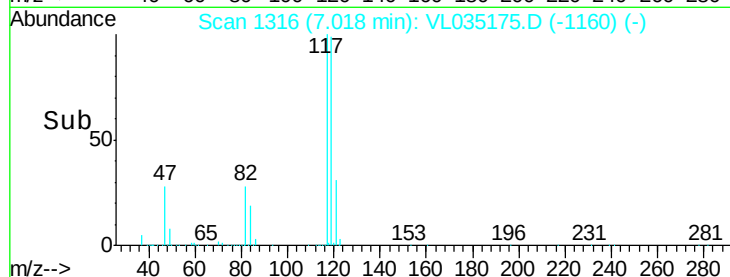
121 31.3 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.198 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

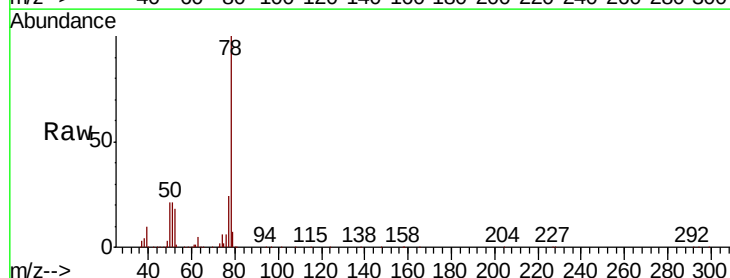
Tgt Ion: 78 Resp: 2374635

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

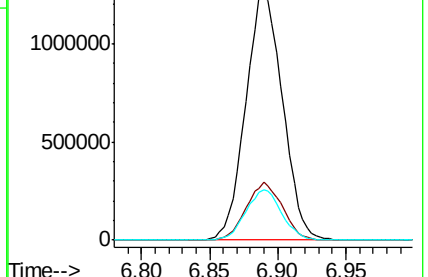
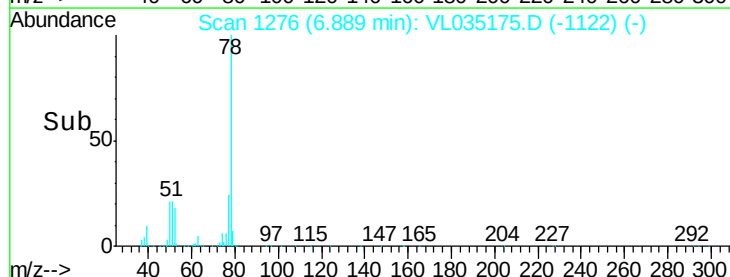
50 20.9 16.0 24.0

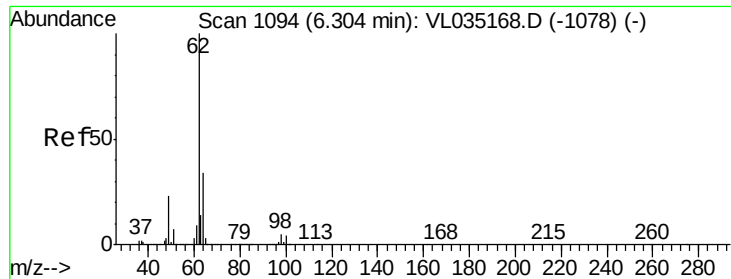


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

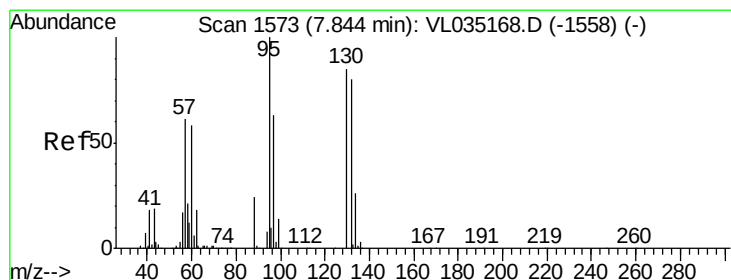
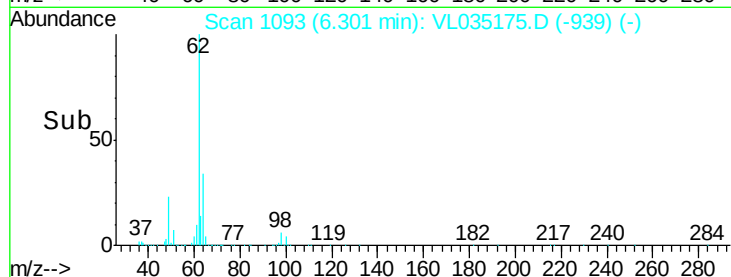
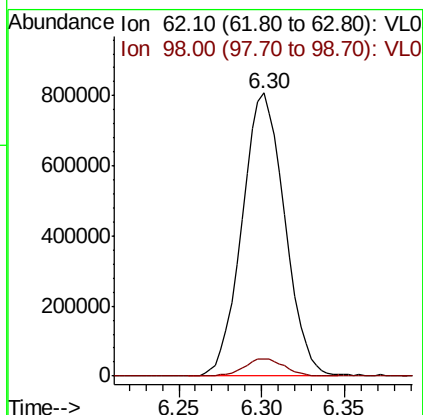
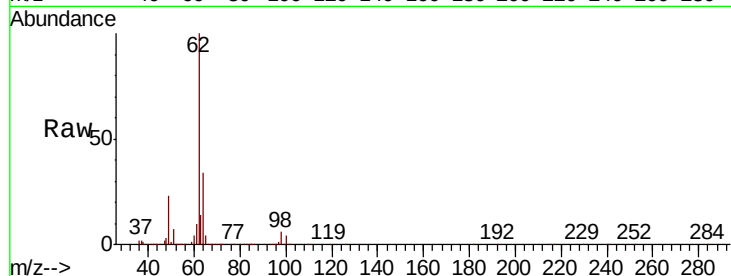




#37
 1,2-Dichloroethane
 Concen: 9.270 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

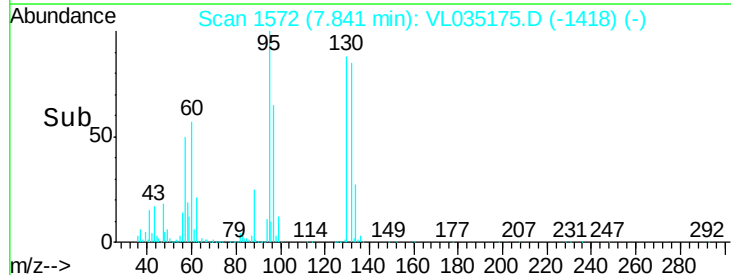
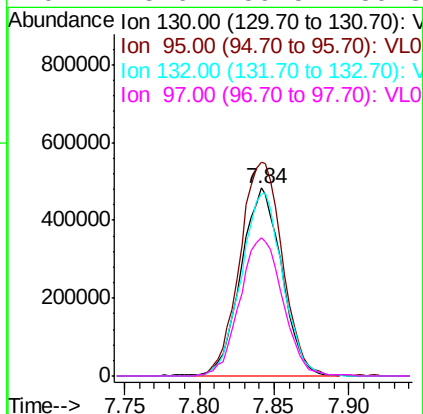
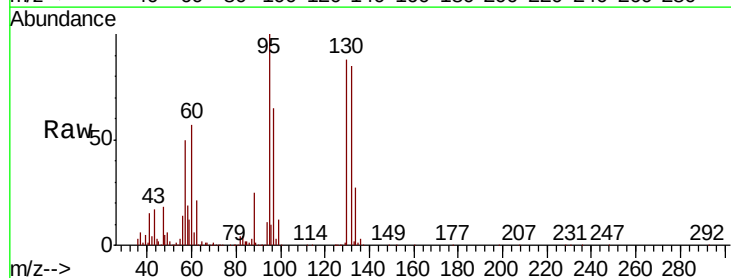
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

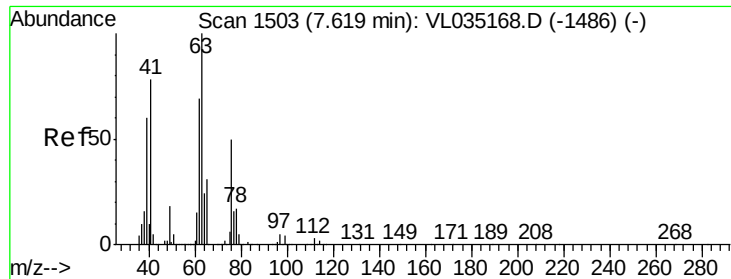
Tot Ion: 62 Resp: 1448614
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.6 6.8



#38
 Trichloroethene
 Concen: 9.604 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion: 130 Resp: 911251
 Ion Ratio Lower Upper
 130 100
 95 114.0 93.8 140.8
 132 96.8 75.0 112.4
 97 73.6 59.5 89.3





#39

1,2-Dichloropropane

Concen: 10.025 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

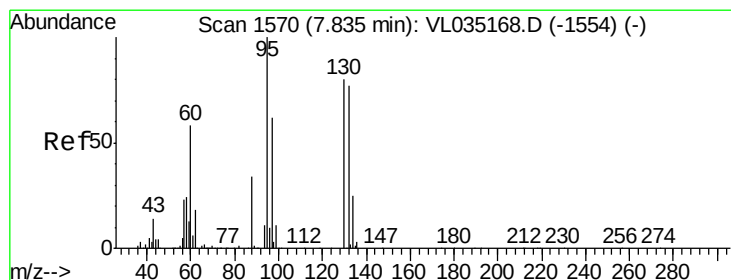
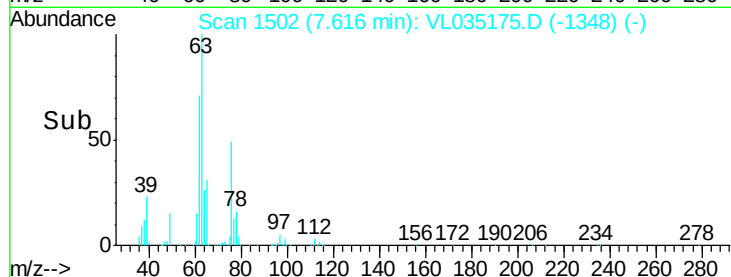
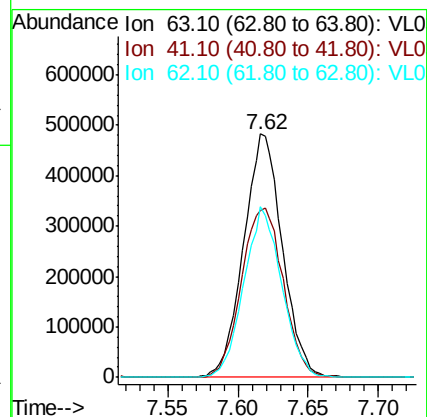
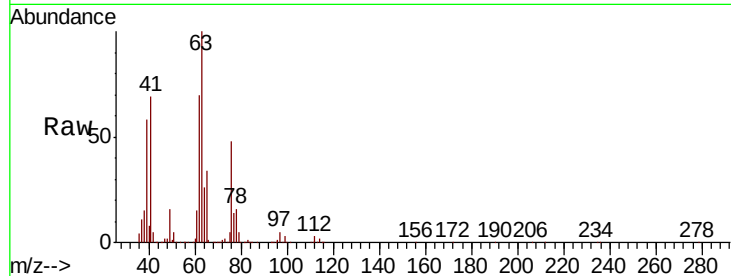
Tot Ion: 63 Resp: 928387

Ion Ratio Lower Upper

63 100

41 68.4 62.6 94.0

62 70.0 55.0 82.6



#40

1,4-Dioxane

Concen: 10.104 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion: 88 Resp: 372503

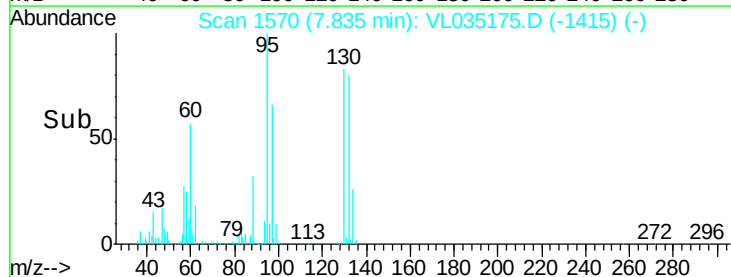
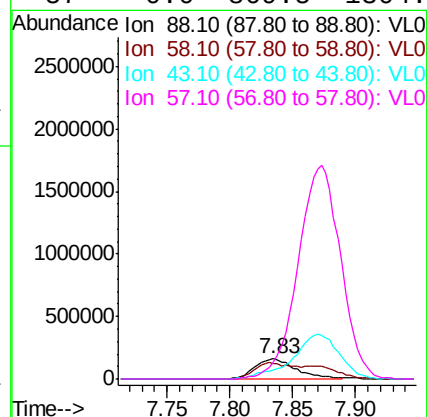
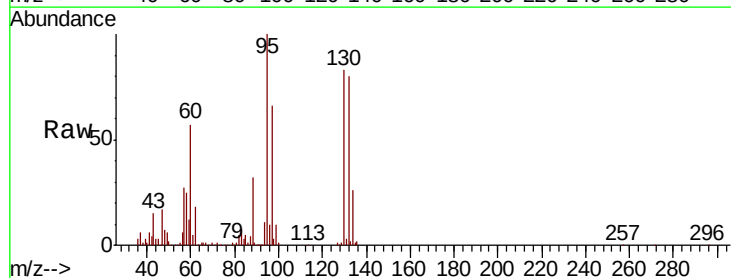
Ion Ratio Lower Upper

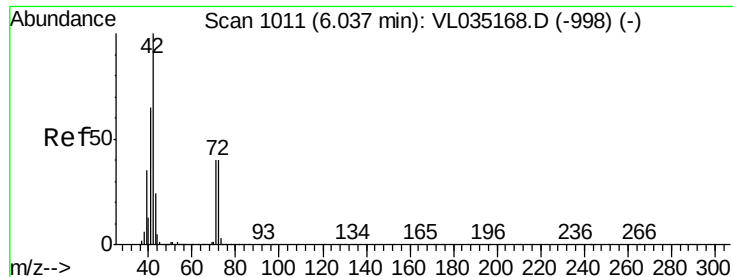
88 100

58 129.5 100.2 150.4

43 0.0 199.8 299.8#

57 0.0 869.5 1304.3#





#41

Tetrahydrofuran

Concen: 11.070 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

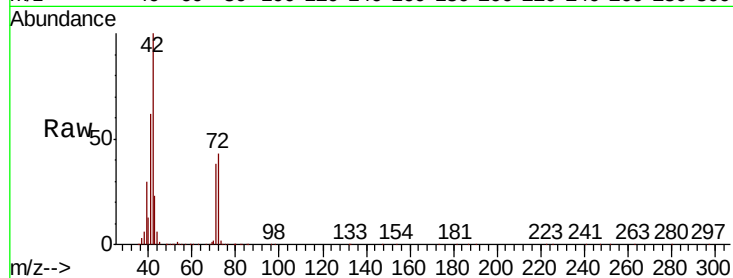
Tot Ion: 42 Resp: 951220

Ion Ratio Lower Upper

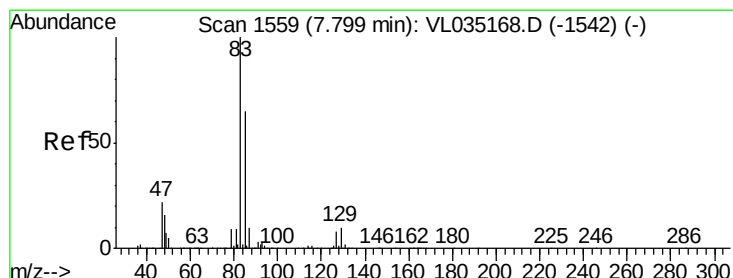
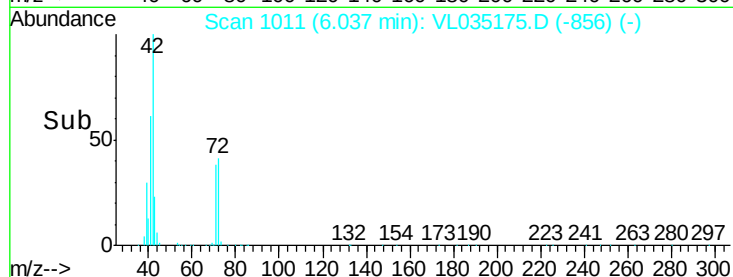
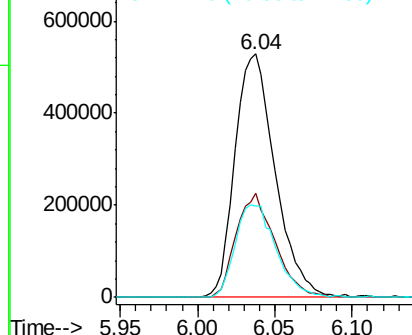
42 100

72 41.5 33.4 50.2

71 38.9 31.9 47.9



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: 9.593 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

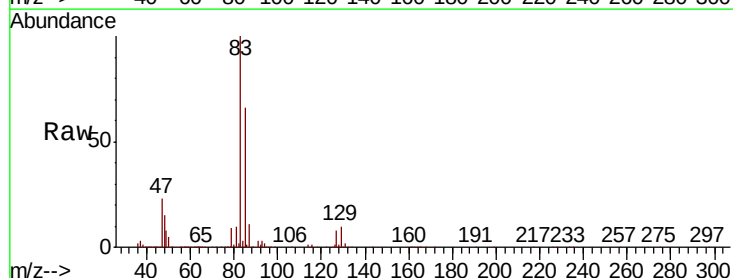
Tgt Ion: 83 Resp: 2001962

Ion Ratio Lower Upper

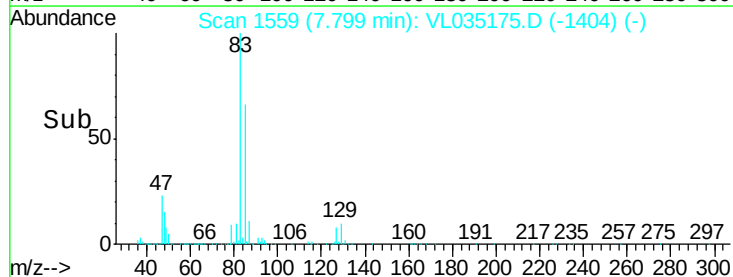
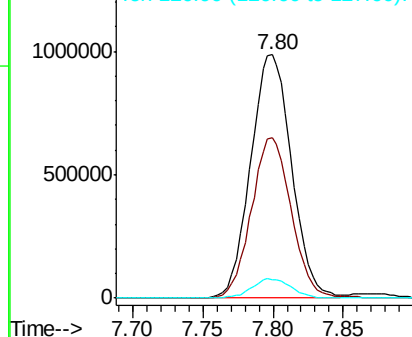
83 100

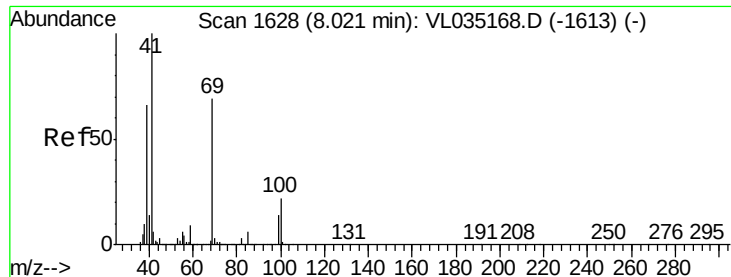
85 65.9 52.2 78.4

127 7.6 6.3 9.5



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

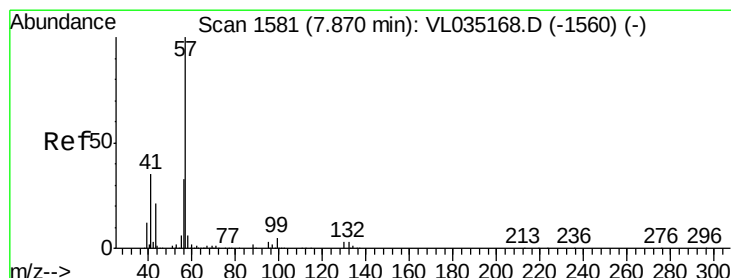
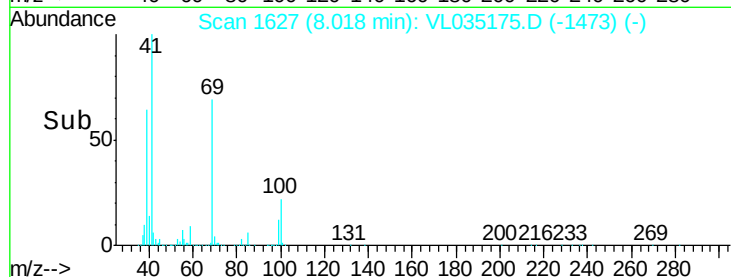
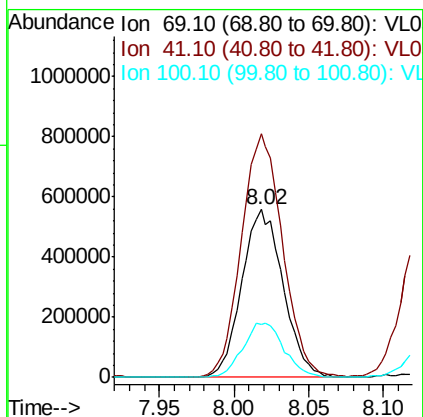
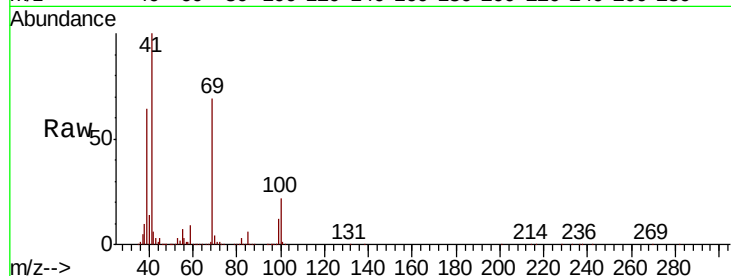




#43
Methyl Methacrylate
Concen: 10.900 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

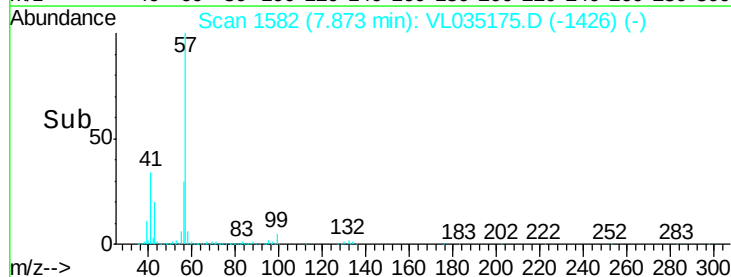
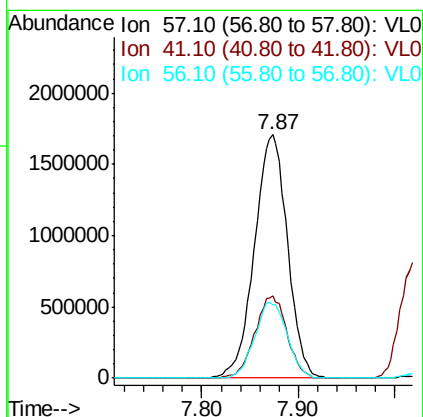
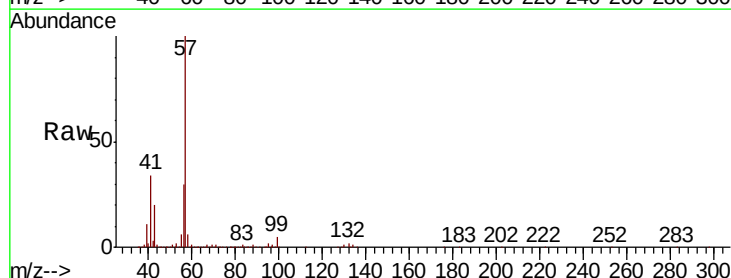
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

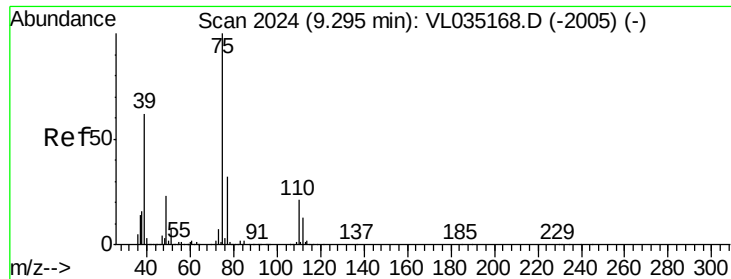
Tot Ion: 69 Resp: 1072959
Ion Ratio Lower Upper
69 100
41 144.8 116.3 174.5
100 32.3 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.053 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 57 Resp: 4040828
Ion Ratio Lower Upper
57 100
41 32.9 27.0 40.6
56 30.8 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.623 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

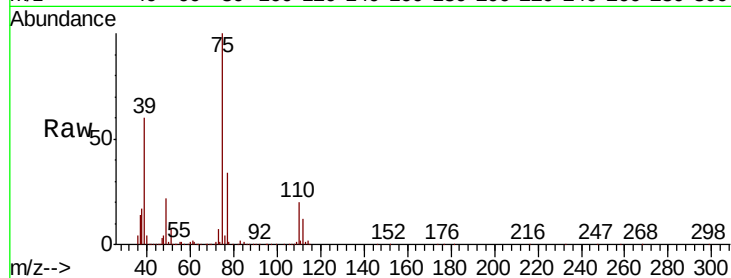
ICVVL070820

Tot Ion: 75 Resp: 1202054

Ion Ratio Lower Upper

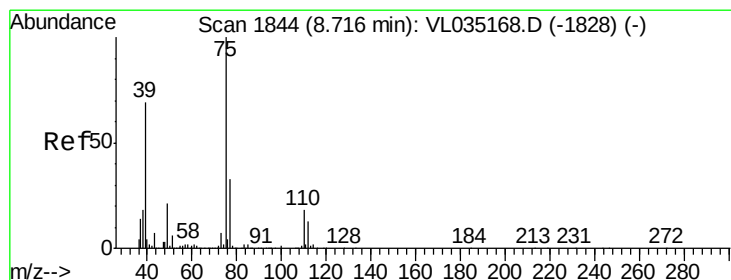
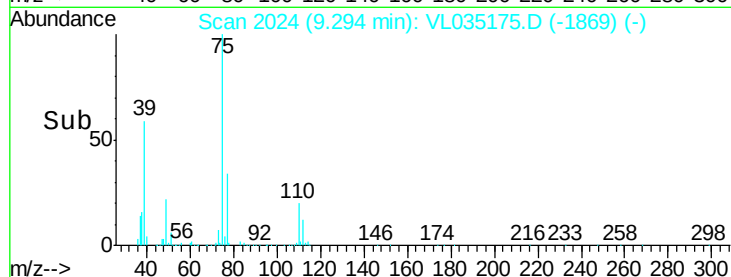
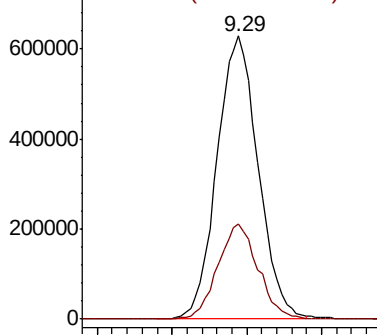
75 100

77 33.8 25.8 38.8



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: 11.671 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

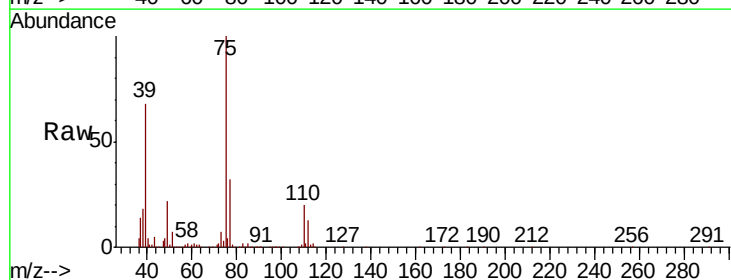
Tgt Ion: 75 Resp: 1430942

Ion Ratio Lower Upper

75 100

39 68.1 55.2 82.8

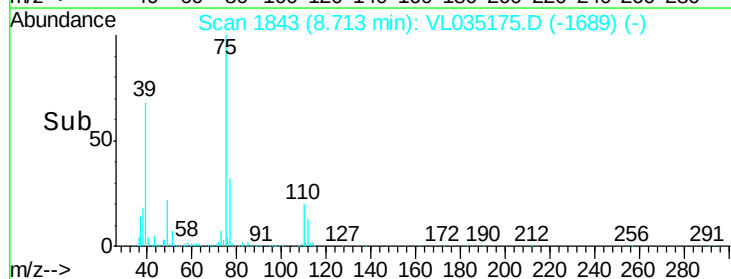
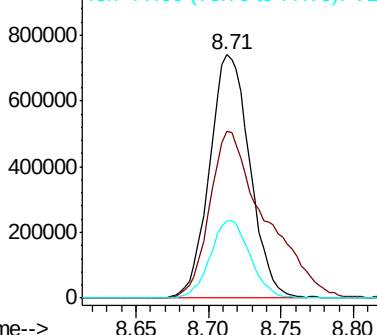
77 31.9 26.0 39.0

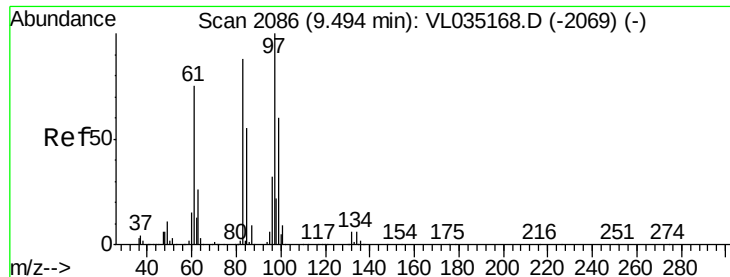


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

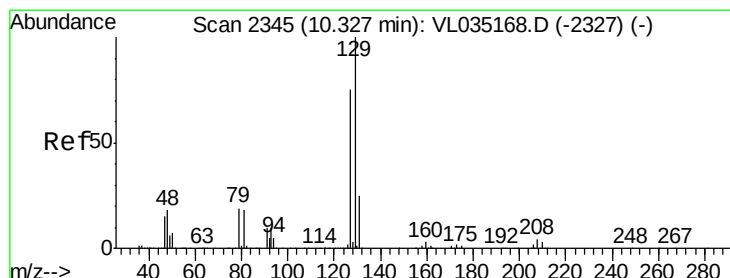
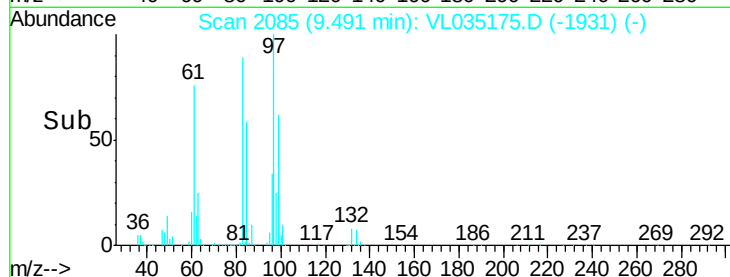
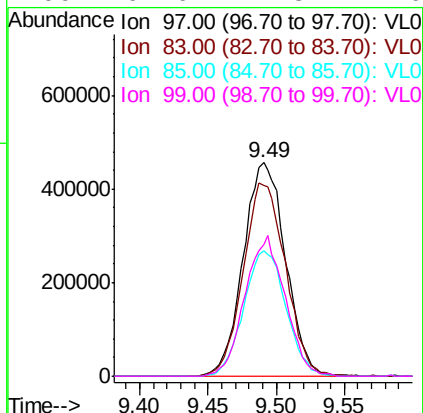
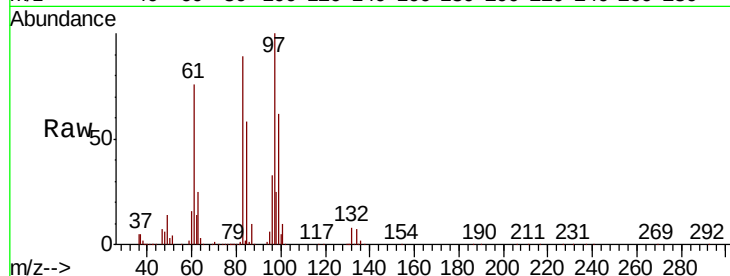




#47
 1,1,2-Trichloroethane
 Concen: 9.685 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

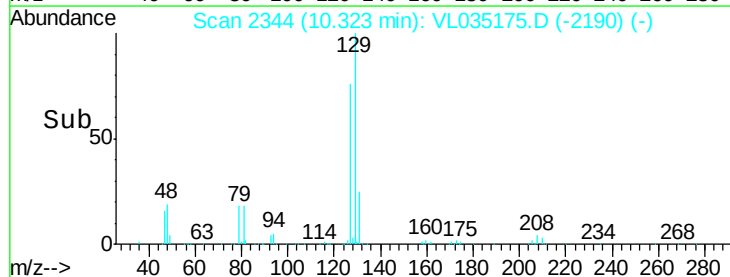
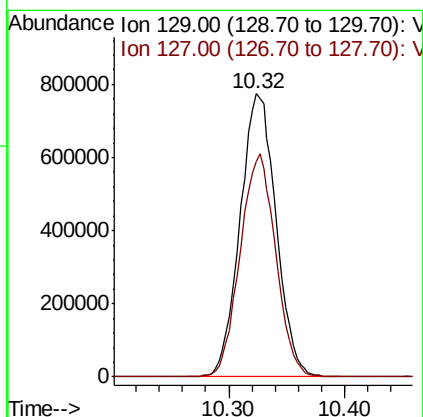
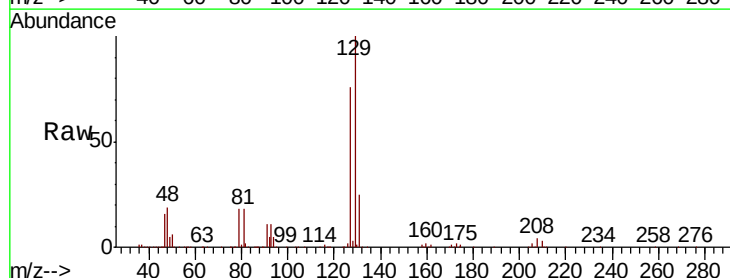
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV070820

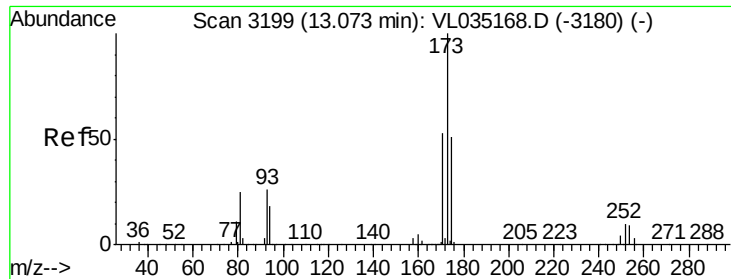
Tot Ion: 97 Resp: 981764
 Ion Ratio Lower Upper
 97 100
 83 89.2 70.3 105.5
 85 58.5 44.3 66.5
 99 61.6 47.8 71.6



#48
 Dibromochloromethane
 Concen: 10.121 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion: 129 Resp: 1669219
 Ion Ratio Lower Upper
 129 100
 127 77.8 38.8 116.3





#49

Bromoform

Concen: 5.448 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

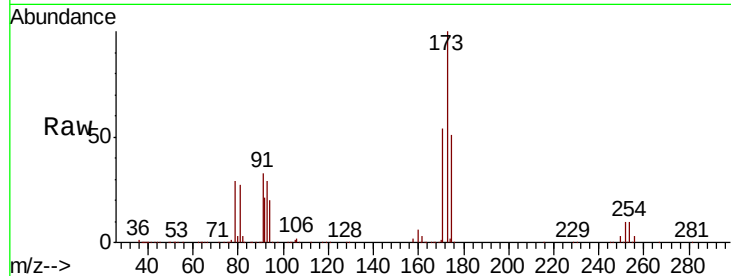
Tot Ion:173 Resp: 786017

Ion Ratio Lower Upper

173 100

175 90.7 39.7 59.5#

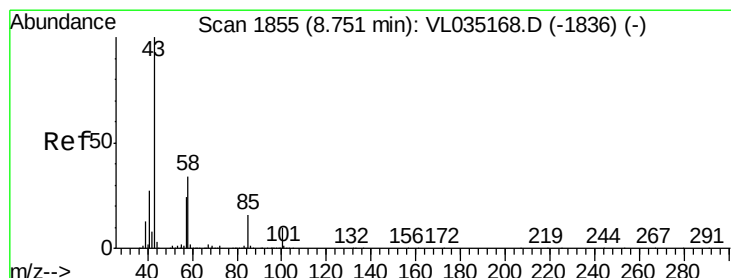
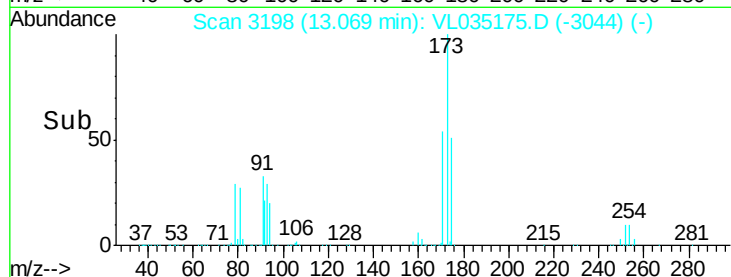
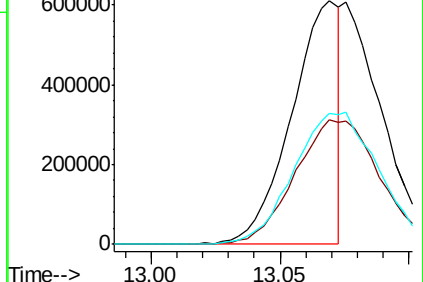
171 0.0 41.6 62.4#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.058 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035175.D

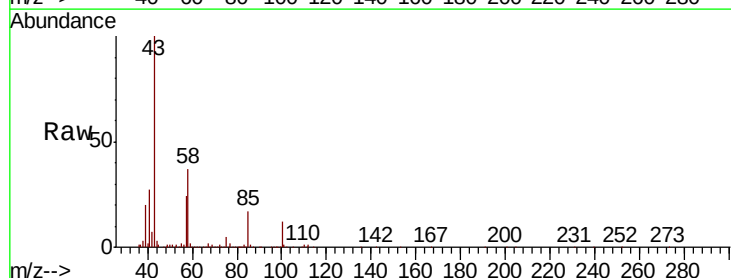
Acq: 8 Jul 2020 7:45

Tgt Ion: 43 Resp: 2478880

Ion Ratio Lower Upper

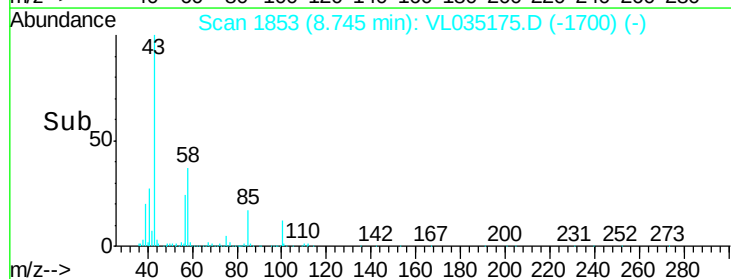
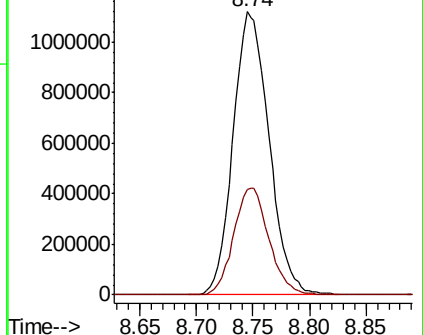
43 100

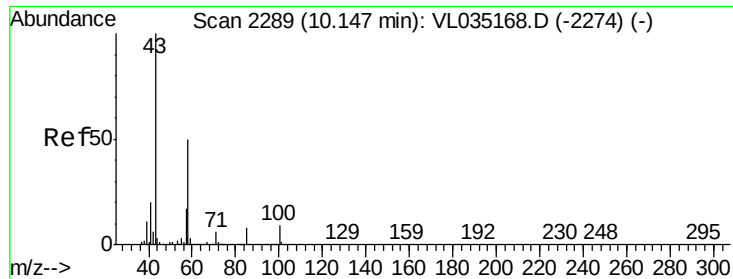
58 37.1 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

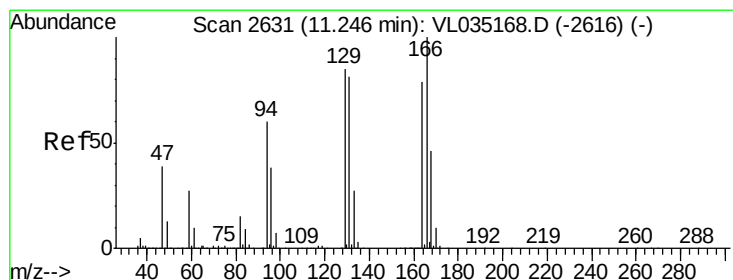
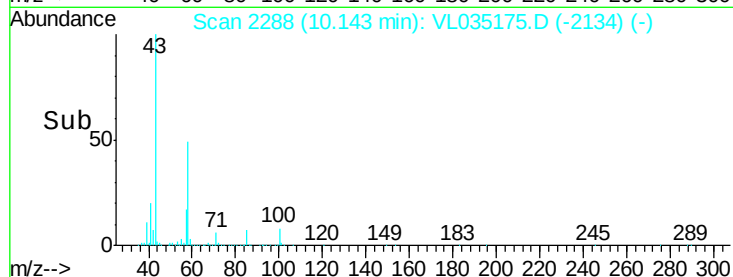
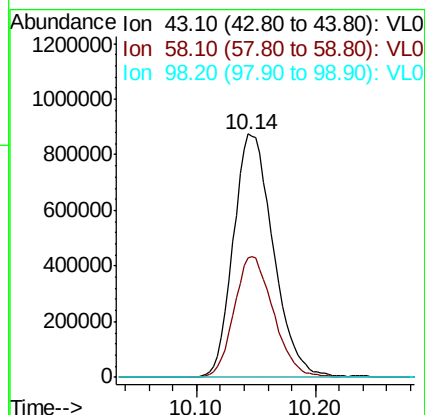
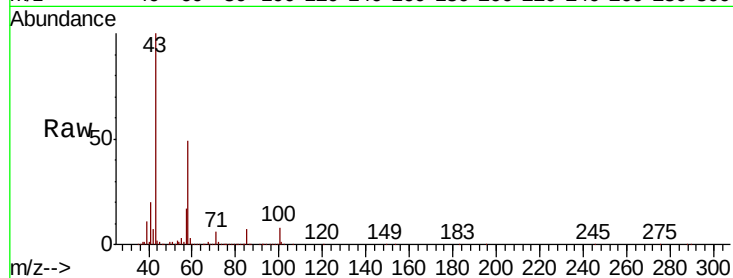




#51
2-Hexanone
Concen: 10.843 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

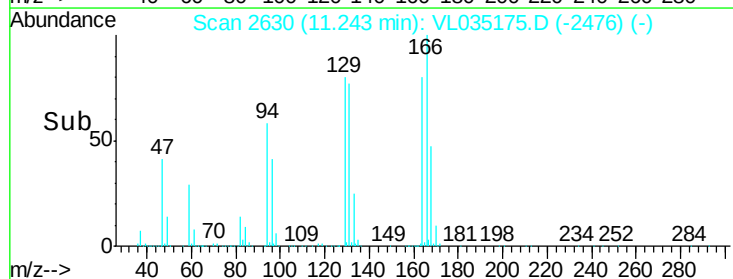
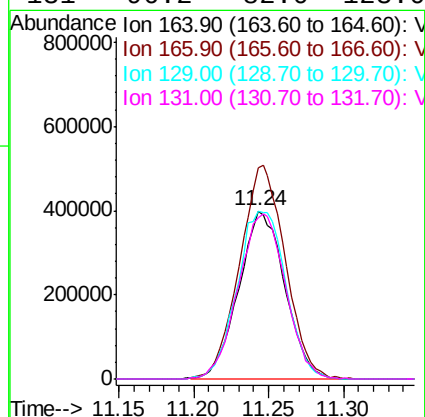
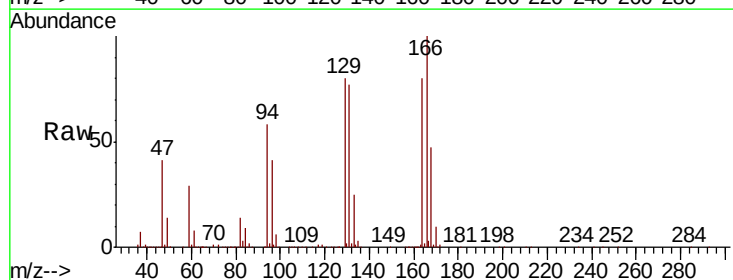
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

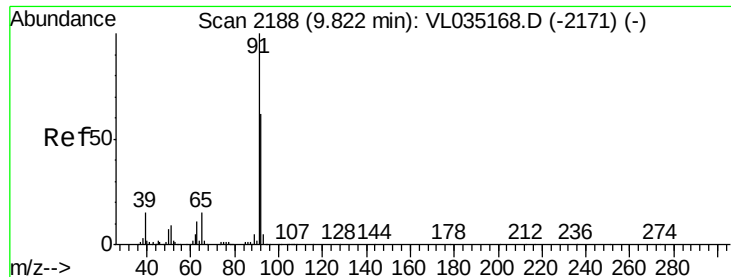
Tot Ion: 43 Resp: 2037813
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.760 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion: 164 Resp: 848873
Ion Ratio Lower Upper
164 100
166 125.3 100.7 151.1
129 99.7 85.8 128.6
131 96.2 82.0 123.0





#53

Toluene

Concen: 11.127 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

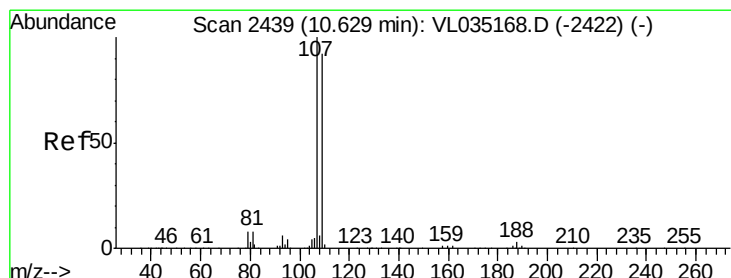
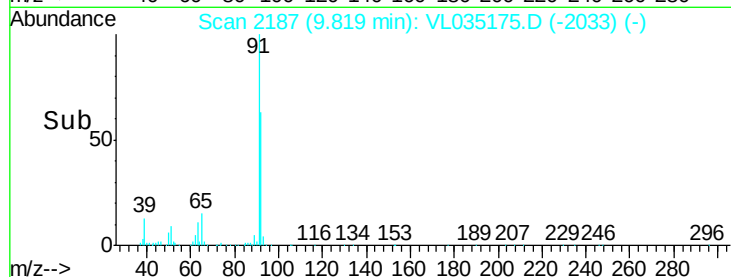
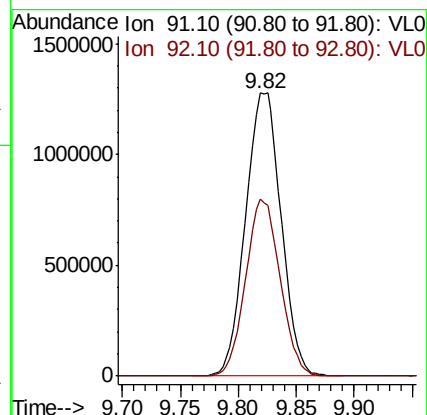
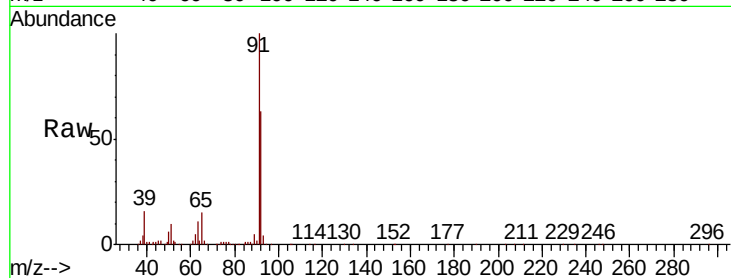
ICVVL070820

Tot Ion: 91 Resp: 2734450

Ion Ratio Lower Upper

91 100

92 60.5 48.4 72.6



#54

1,2-Dibromoethane

Concen: 9.881 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035175.D

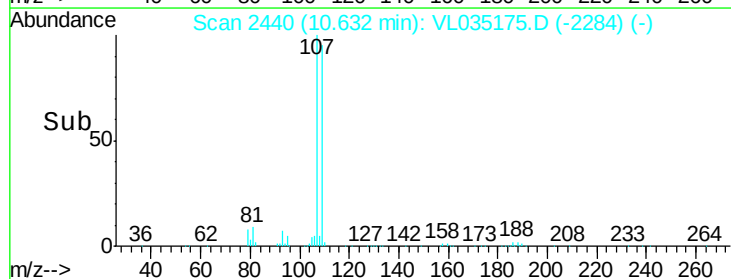
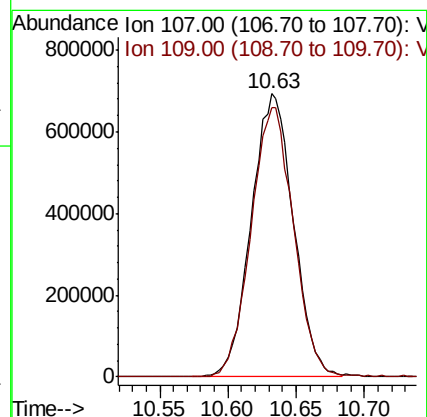
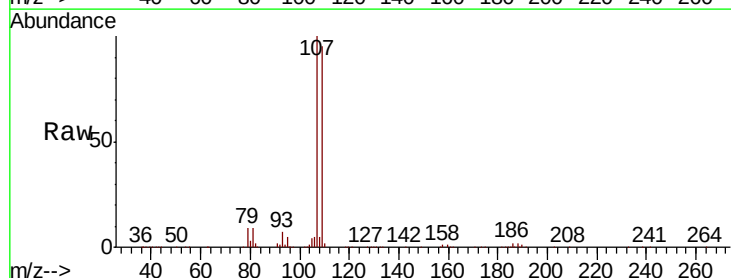
Acq: 8 Jul 2020 7:45

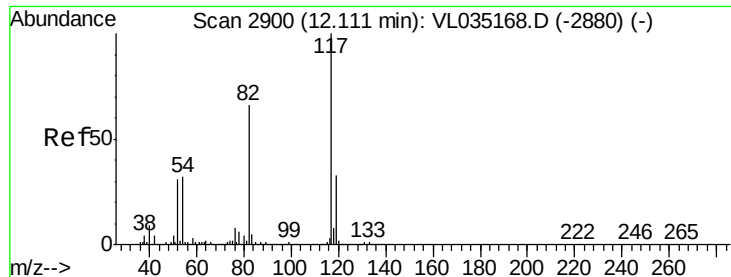
Tgt Ion: 107 Resp: 1486342

Ion Ratio Lower Upper

107 100

109 95.1 74.0 111.0

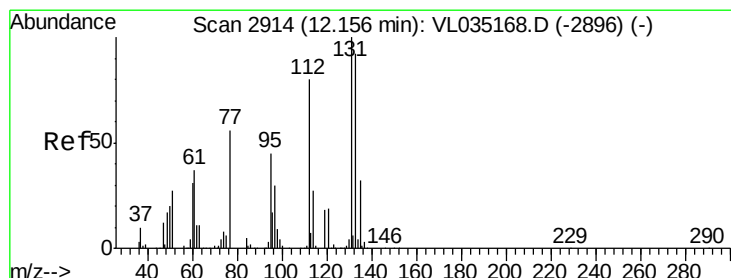
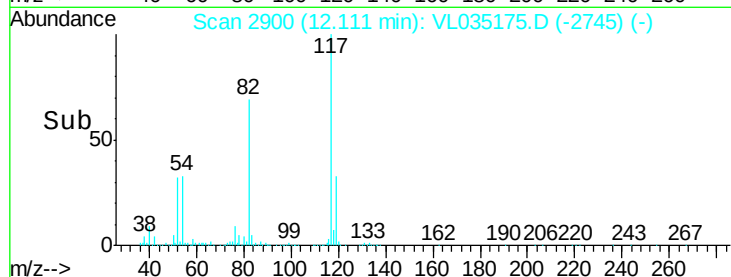
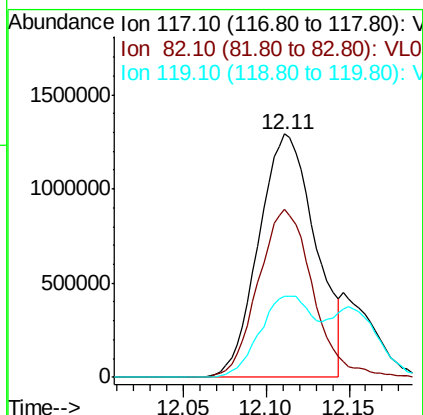
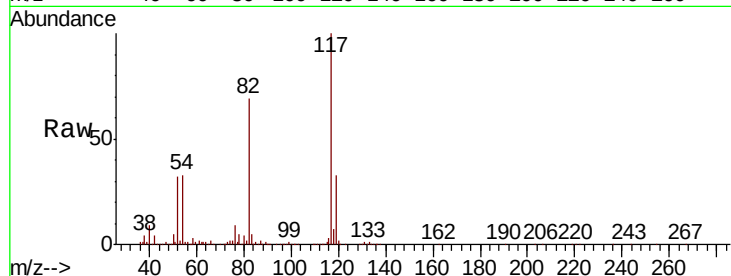




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

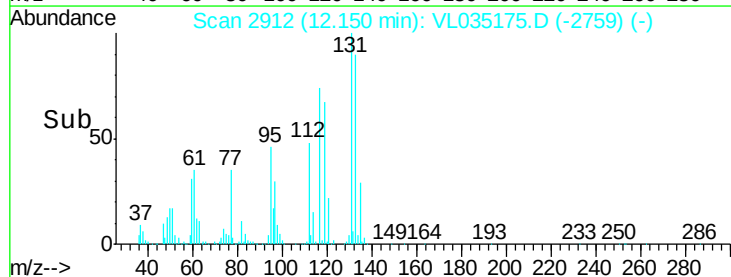
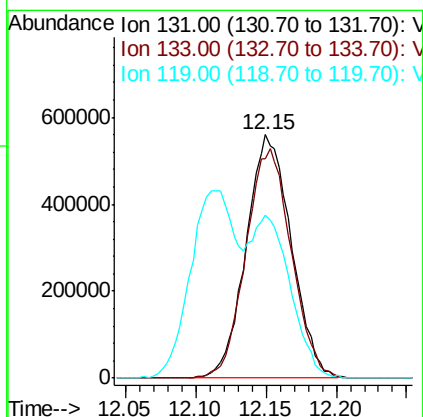
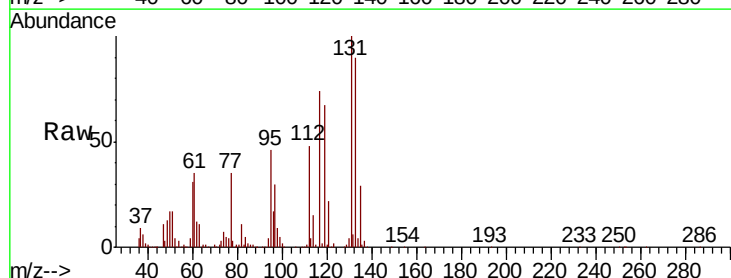
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

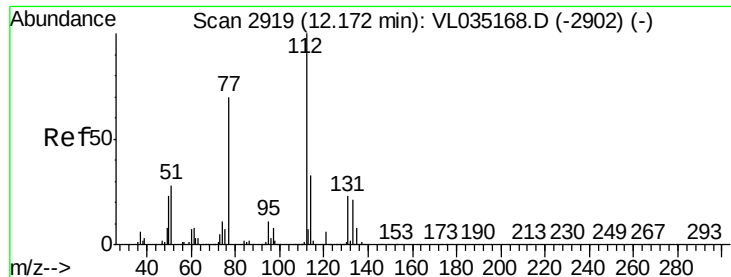
Tot Ion:117 Resp: 3075963
Ion Ratio Lower Upper
117 100
82 67.1 52.3 78.5
119 56.9 24.9 37.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.171 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion:131 Resp: 1249838
Ion Ratio Lower Upper
131 100
133 95.2 75.4 113.2
119 55.5 42.4 63.6





#57

Chlorobenzene

Concen: 9.105 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

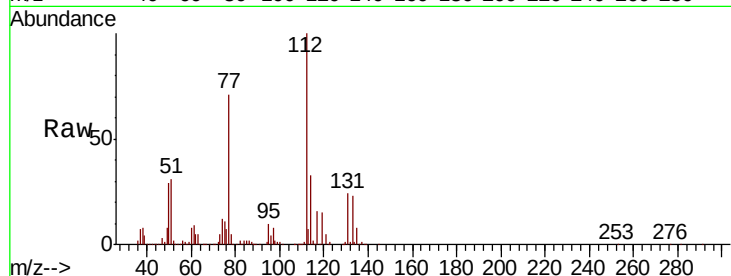
MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion:112 Resp: 2064269

Ion	Ratio	Lower	Upper
112	100		
77	70.6	57.0	85.4
114	32.9	30.2	37.0



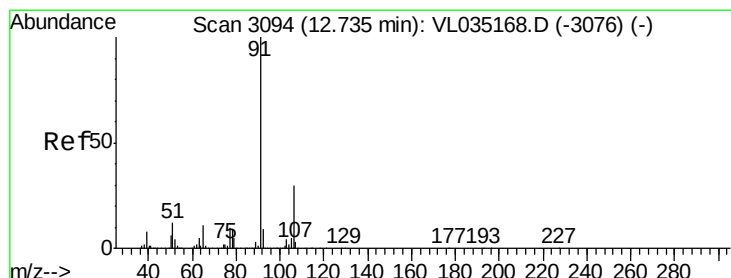
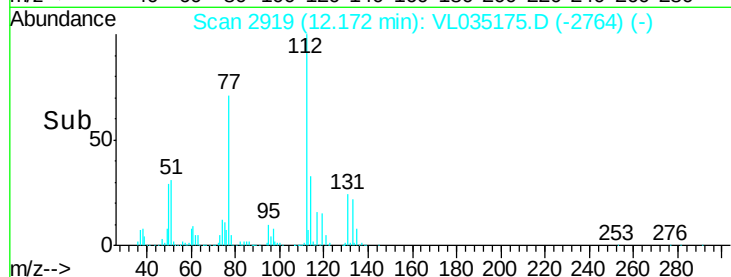
Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V

12.17

Time-->



#58

Ethyl Benzene

Concen: 10.720 ppbv

RT: 12.74 min Scan# 3095

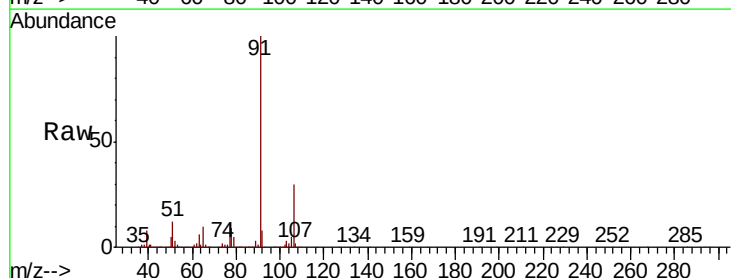
Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion: 91 Resp: 3644542

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.2	36.2

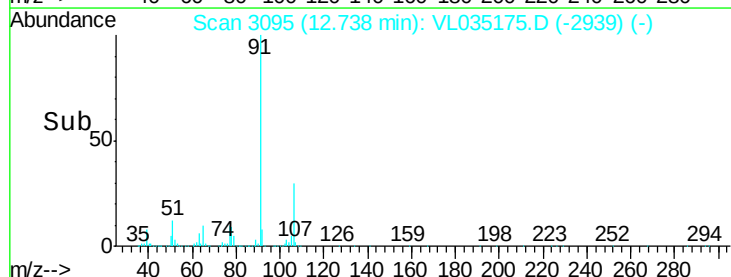


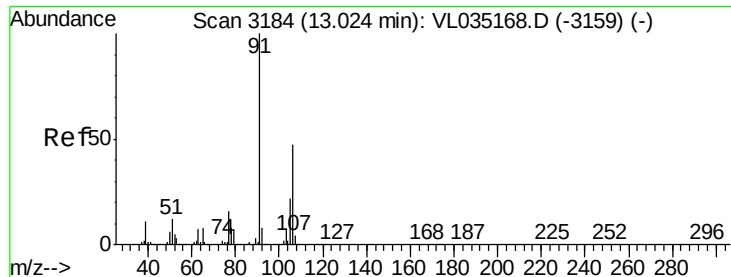
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.74

Time-->





#59

m/p-Xylene

Concen: 11.015 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

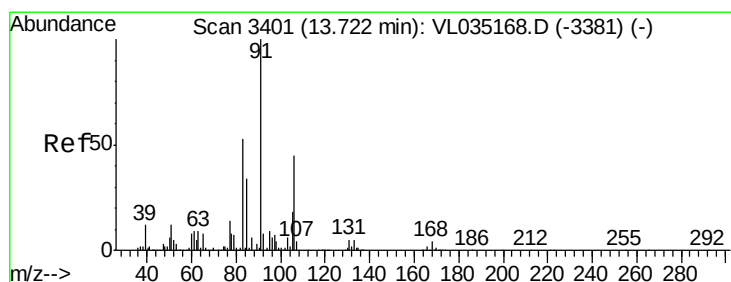
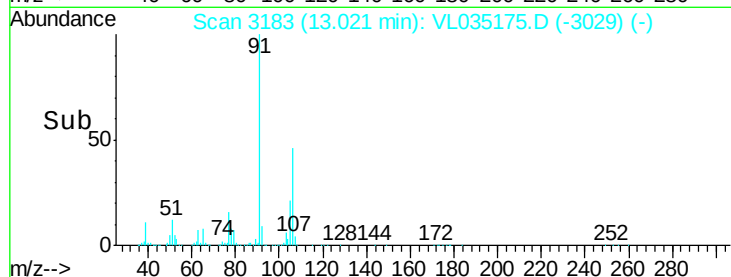
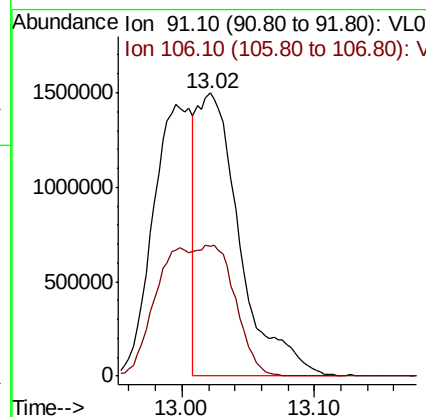
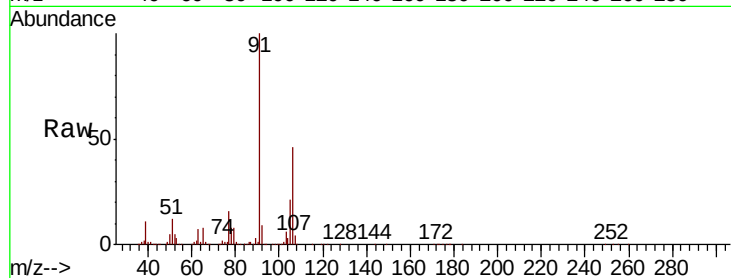
ICVVL070820

Tot Ion: 91 Resp: 3337831

Ion Ratio Lower Upper

91 100

106 82.5 36.2 54.2#



#60

o-Xylene

Concen: 9.872 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VL035175.D

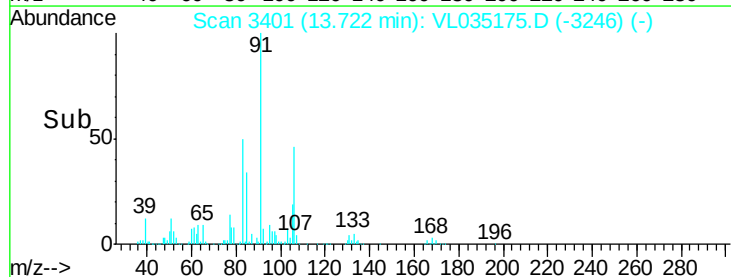
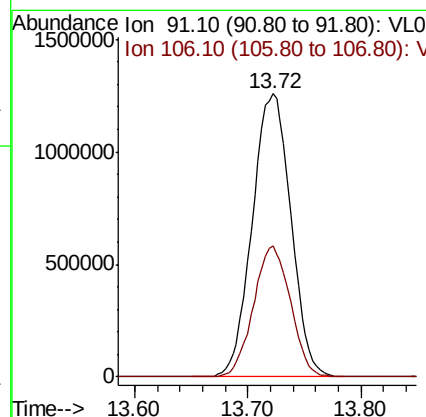
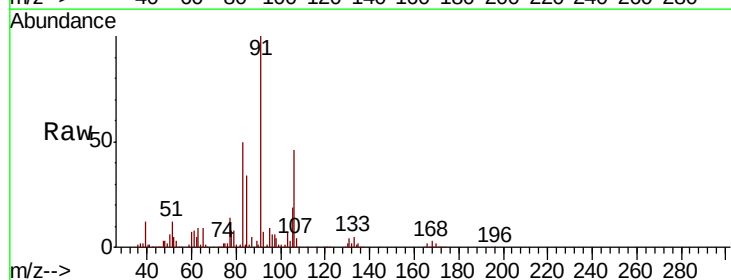
Acq: 8 Jul 2020 7:45

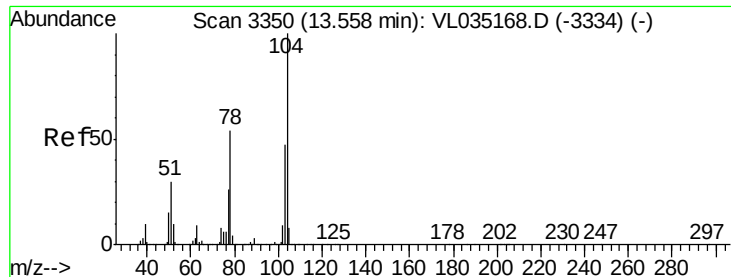
Tgt Ion: 91 Resp: 2984350

Ion Ratio Lower Upper

91 100

106 44.3 22.1 66.3





#61

Stvrene

Concen: 11.464 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

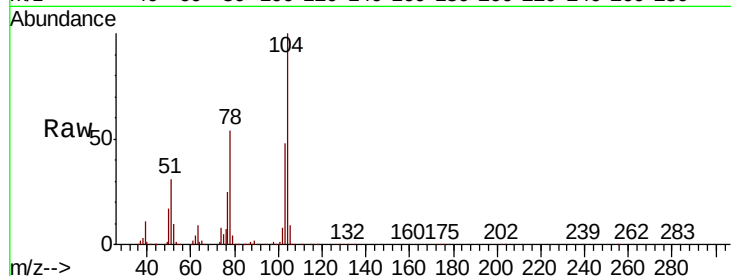
Tot Ion:104 Resp: 2141634

Ion Ratio Lower Upper

104 100

78 54.7 43.4 65.0

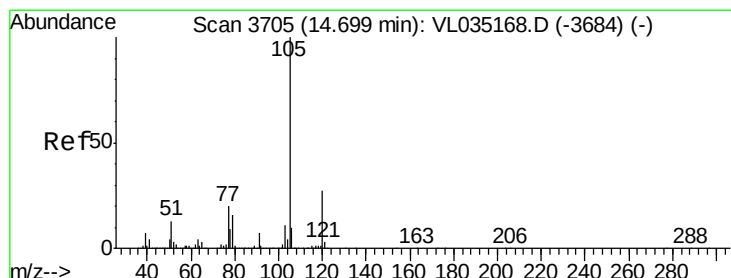
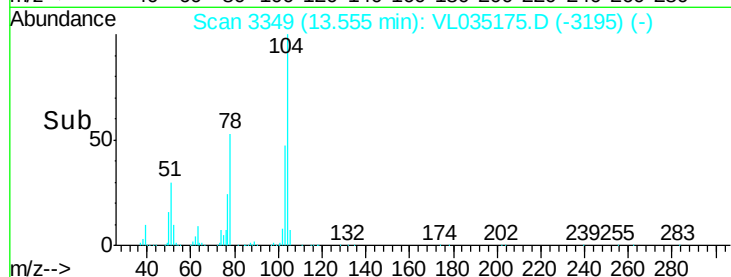
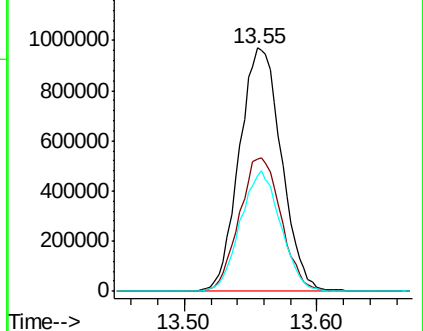
103 47.5 37.4 56.0



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: 9.863 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035175.D

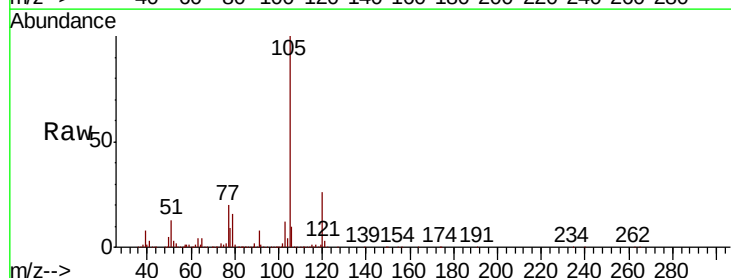
Acq: 8 Jul 2020 7:45

Tgt Ion:105 Resp: 4419835

Ion Ratio Lower Upper

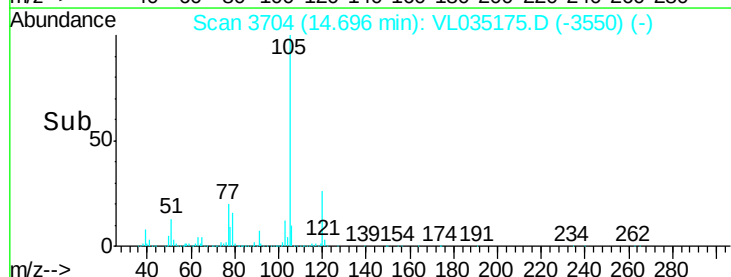
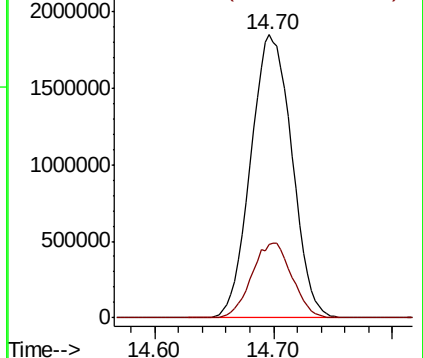
105 100

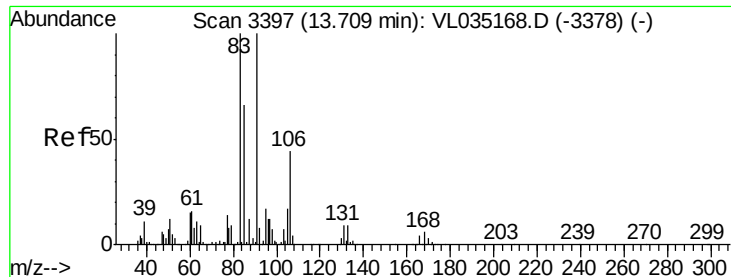
120 25.9 20.7 31.1



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: 8.392 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

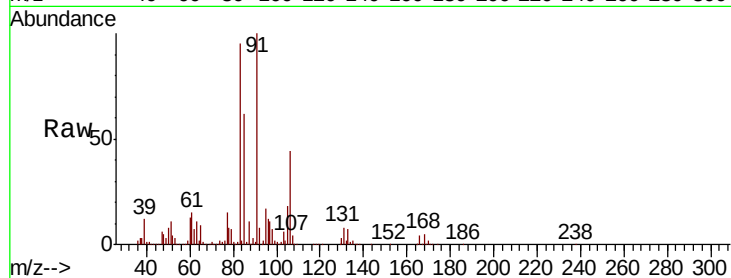
MSVOA_L

ClientSampleId :

ICVVL070820

Tot Ion: 83 Resp: 2120063

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.2	33.0	99.0



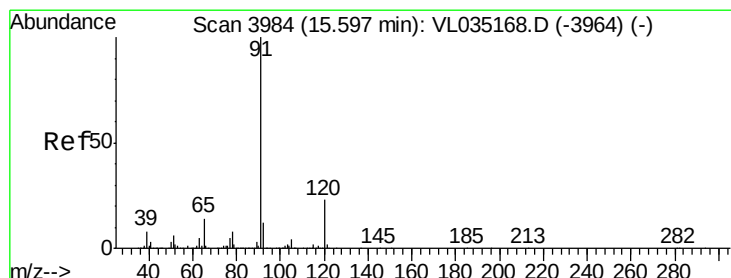
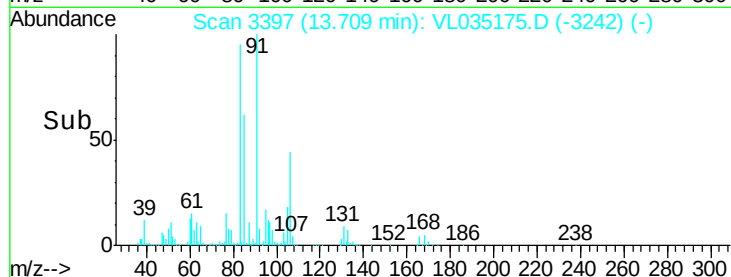
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

13.71

Time--> 13.60 13.70 13.80



#64

n-propylbenzene

Concen: 10.125 ppbv

RT: 15.60 min Scan# 3984

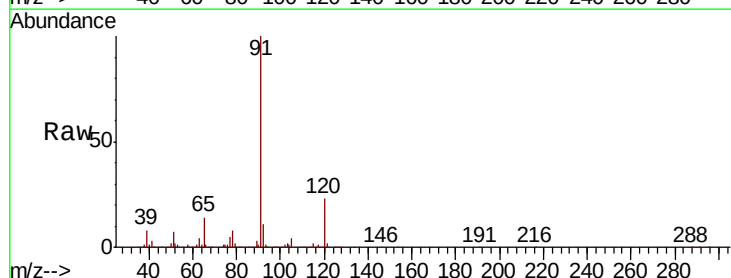
Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion: 120 Resp: 1172069

Ion	Ratio	Lower	Upper
120	100		
91	457.5	372.4	558.6

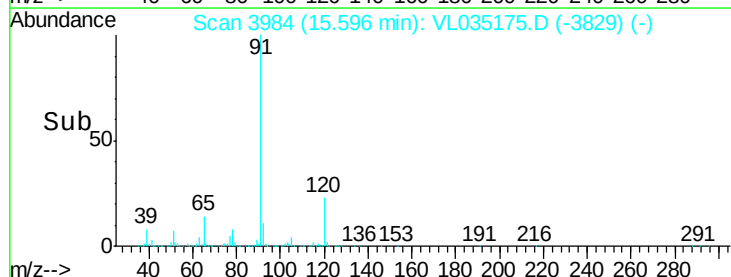


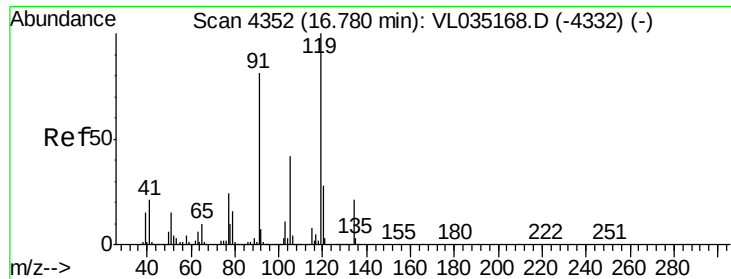
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

15.60

Time--> 15.50 15.60





#65

tert-Butylbenzene

Concen: 9.726 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

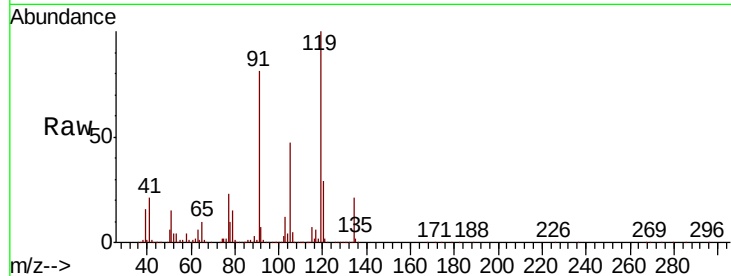
Tot Ion:119 Resp: 3914236

Ion Ratio Lower Upper

119 100

91 84.1 67.5 101.3

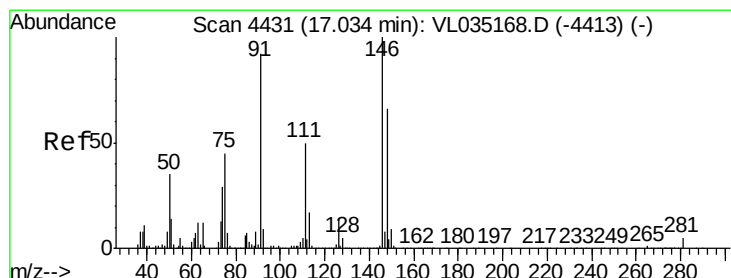
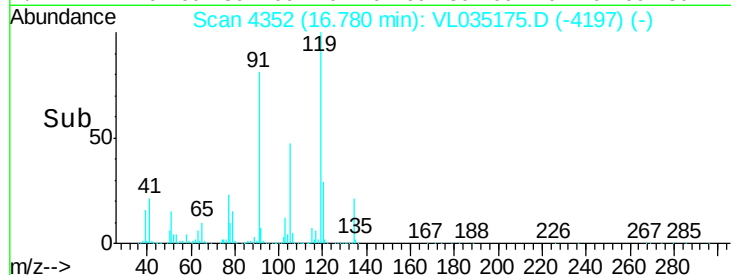
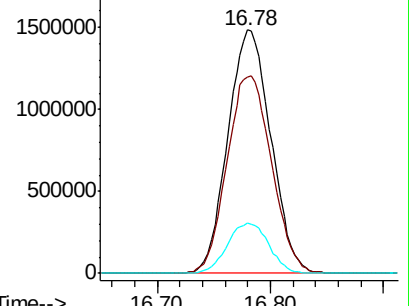
134 20.0 16.0 24.0



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: 10.518 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

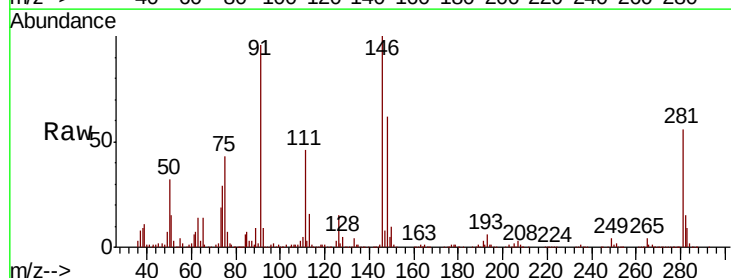
Tgt Ion: 91 Resp: 1508153

Ion Ratio Lower Upper

91 100

126 16.9 13.9 20.9

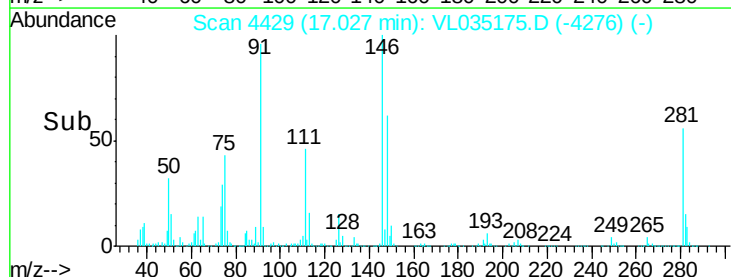
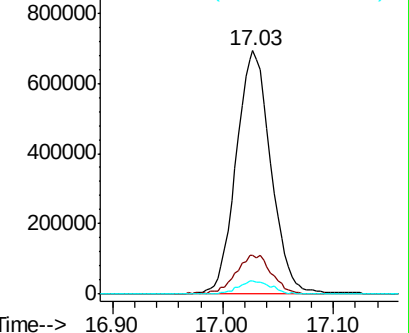
128 5.3 4.2 6.4

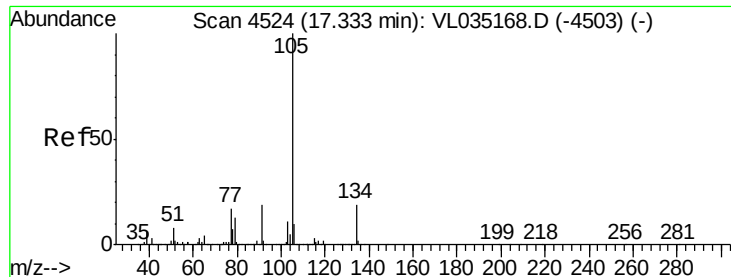


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.467 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

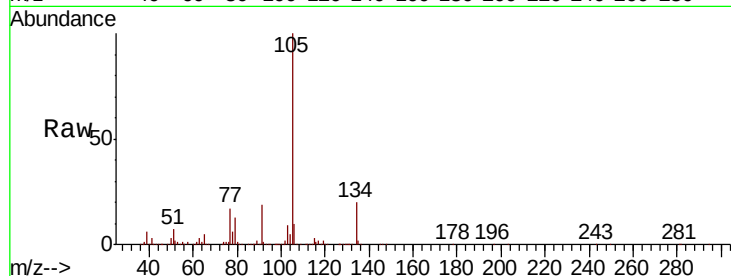
ICVVL070820

Tot Ion:105 Resp: 5554366

Ion Ratio Lower Upper

105 100

134 18.5 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

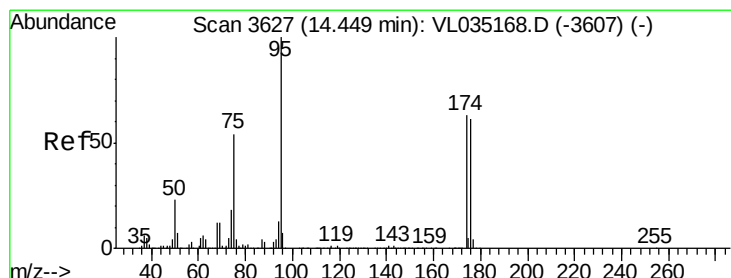
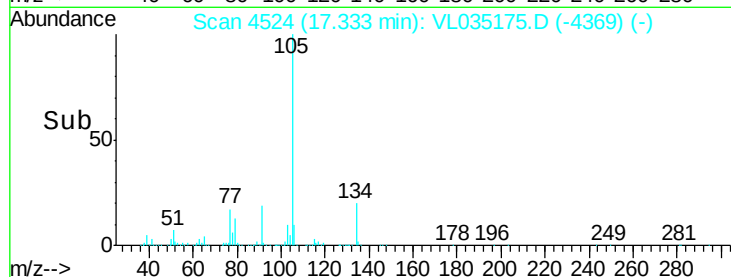
1000000

500000

0

17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.772 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

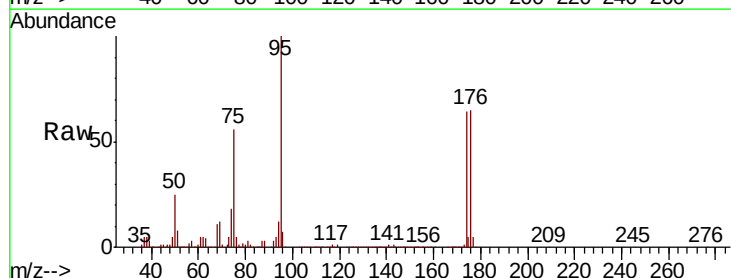
Tgt Ion: 95 Resp: 2441712

Ion Ratio Lower Upper

95 100

174 65.1 52.2 78.2

175 4.9 4.0 6.0



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

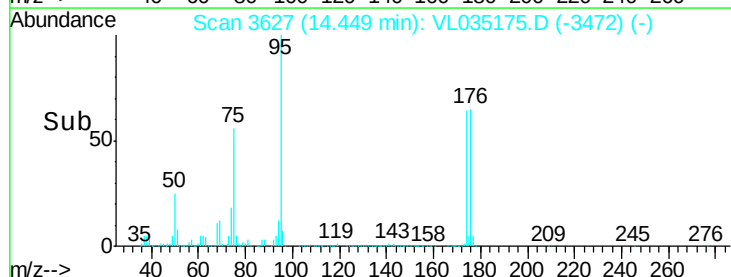
1000000

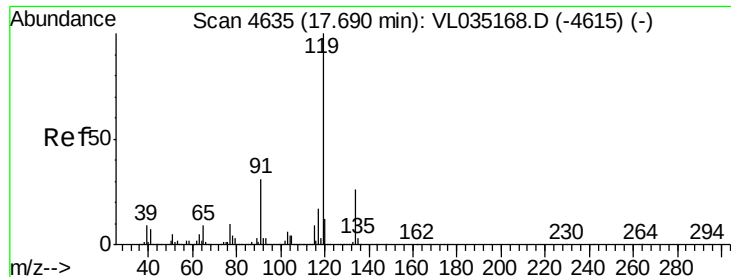
500000

0

14.35 14.40 14.45 14.50

Time-->

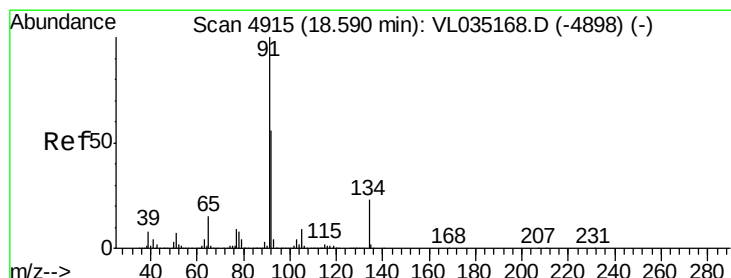
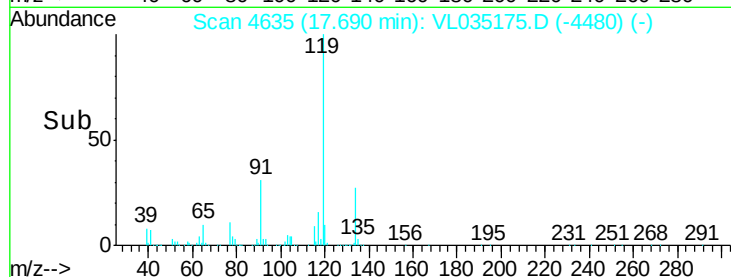
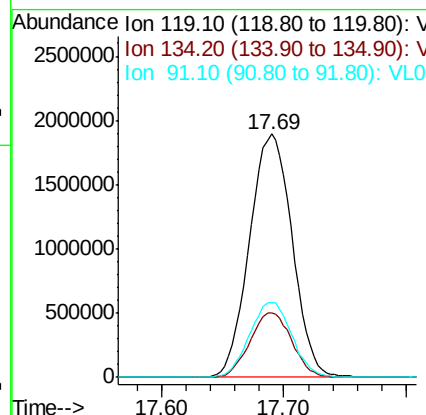
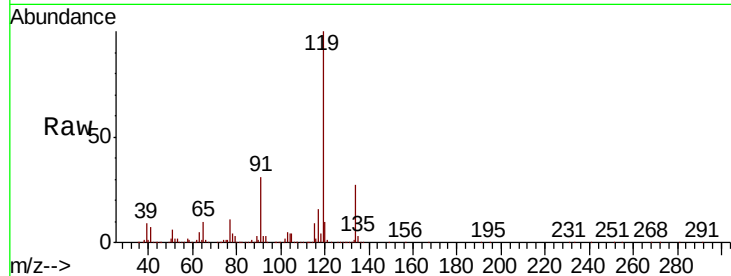




#69
 p-Isopropyltoluene
 Concen: 9.960 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

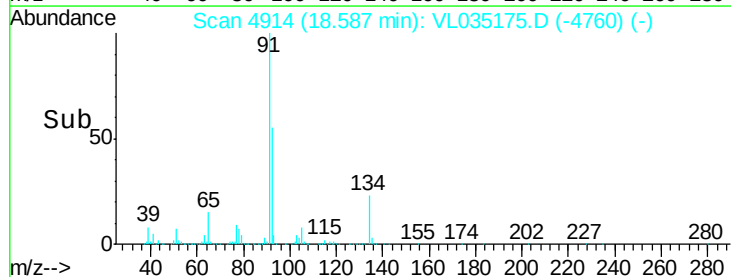
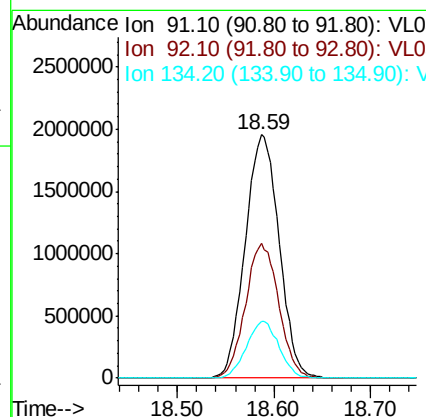
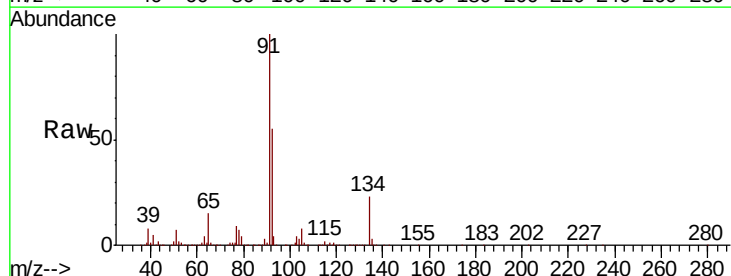
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

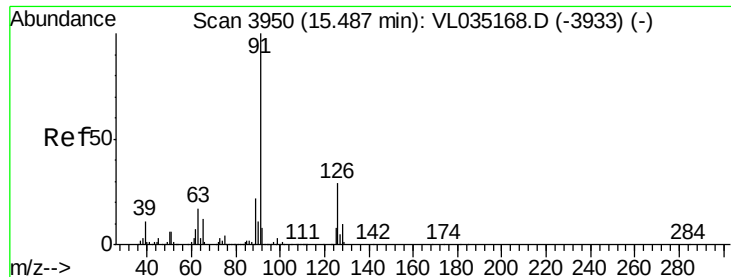
Tot Ion:119 Resp: 4580128
 Ion Ratio Lower Upper
 119 100
 134 26.1 20.8 31.2
 91 30.8 24.9 37.3



#70
 n-Butylbenzene
 Concen: 9.765 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion: 91 Resp: 4761170
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.0 66.0
 134 22.5 18.0 27.0

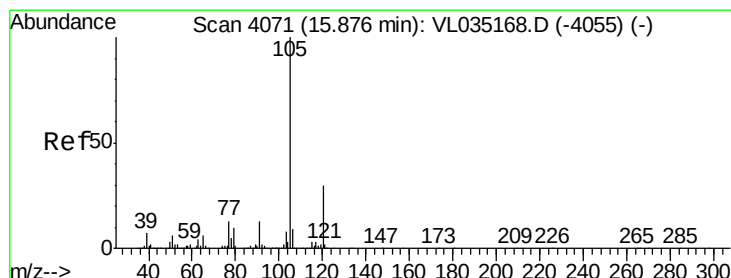
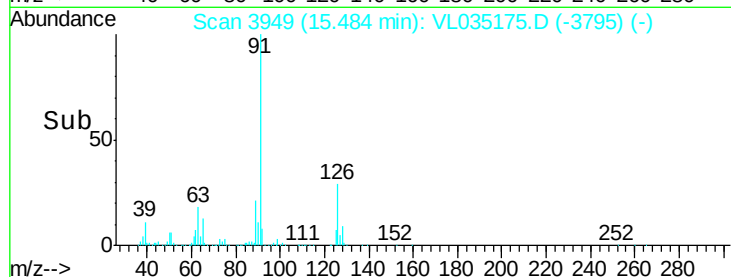
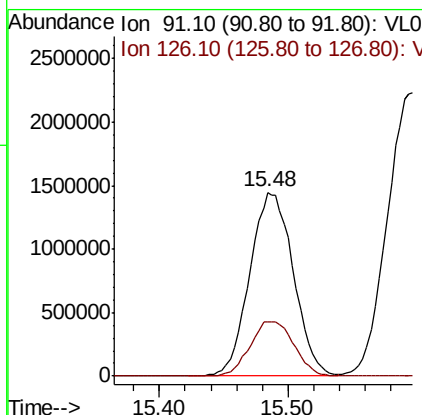
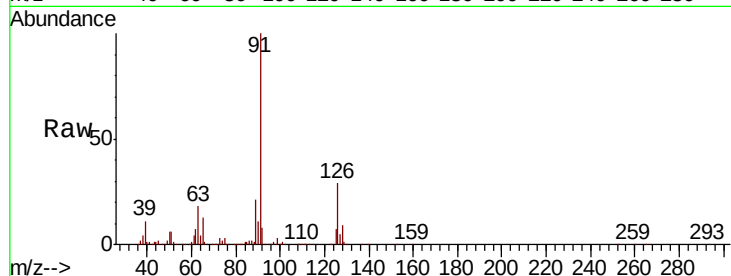




#71
2-Chlorotoluene
Concen: 10.030 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

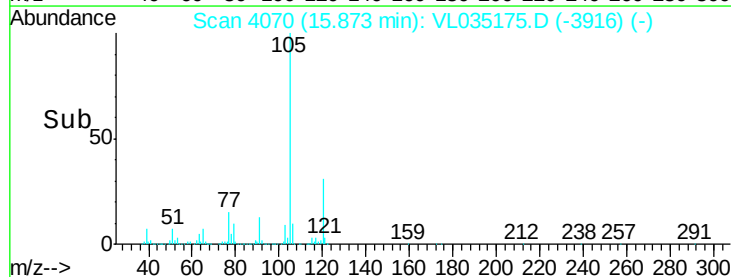
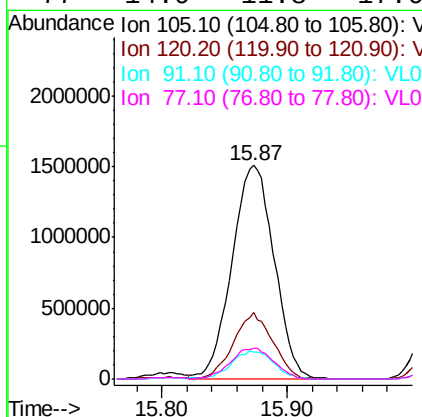
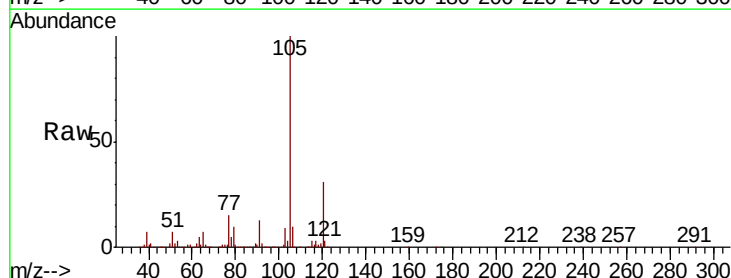
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070820

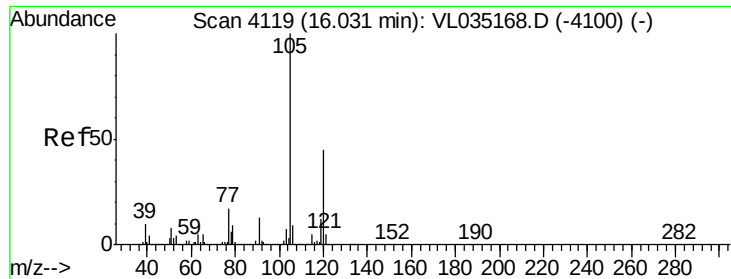
Tot Ion: 91 Resp: 3400847
Ion Ratio Lower Upper
91 100
126 30.1 12.0 48.0



#72
4-Ethyltoluene
Concen: 10.292 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. -0.00 min
Lab File: VL035175.D
Acq: 8 Jul 2020 7:45

Tgt Ion:105 Resp: 3505734
Ion Ratio Lower Upper
105 100
120 29.1 23.2 34.8
91 13.3 10.9 16.3
77 14.9 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.039 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

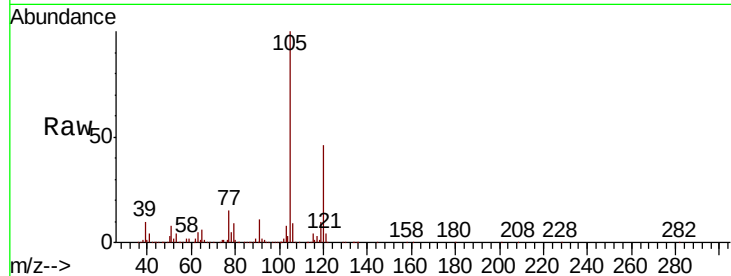
ICVVL070820

Tot Ion:105 Resp: 3297551

Ion Ratio Lower Upper

105 100

120 45.9 36.2 54.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

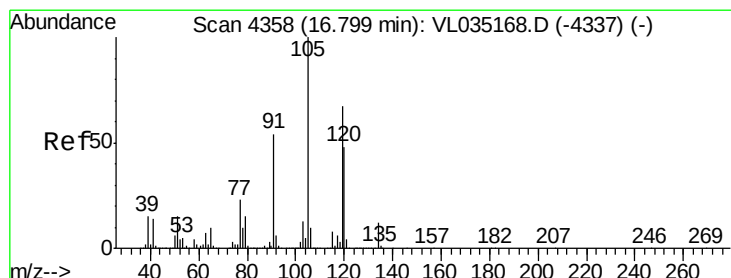
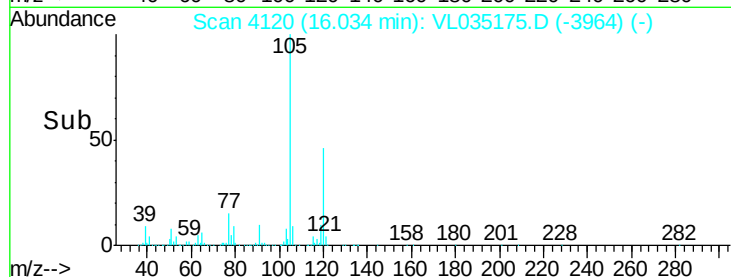
1000000

500000

0

16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.487 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Tgt Ion:105 Resp: 3443987

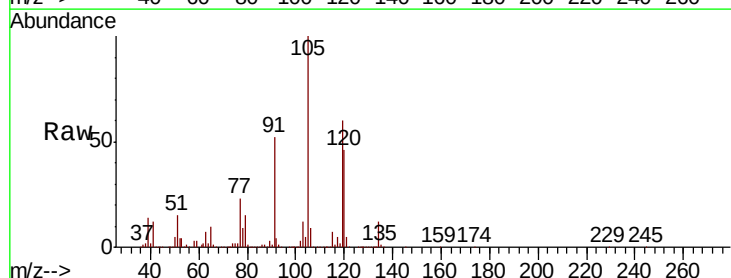
Ion Ratio Lower Upper

105 100

120 45.9 38.6 57.8

91 51.8 43.6 65.4

77 23.2 18.3 27.5



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

2000000

1500000

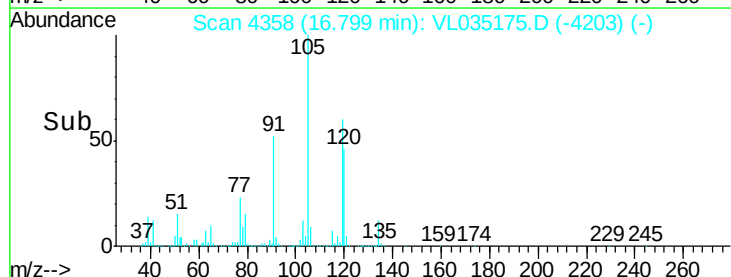
1000000

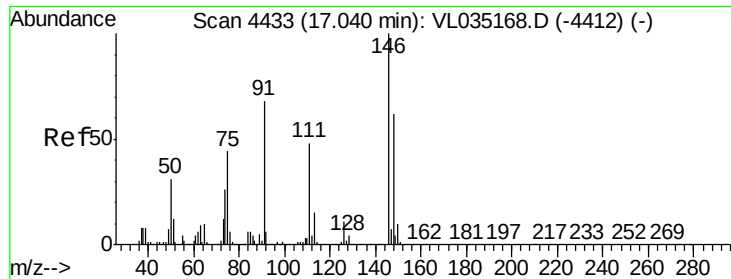
500000

0

16.70 16.80 16.90

Time-->

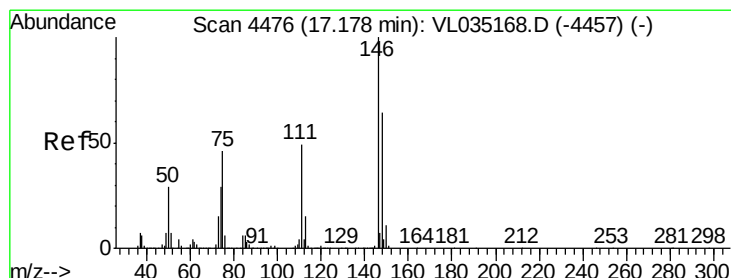
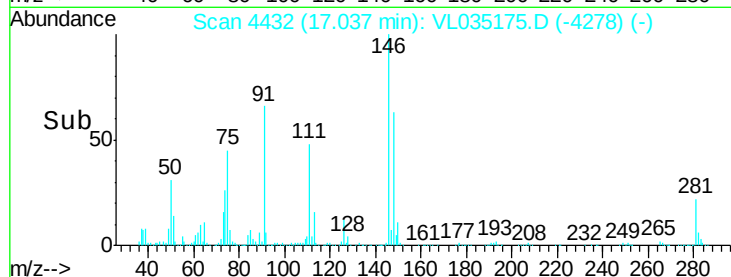
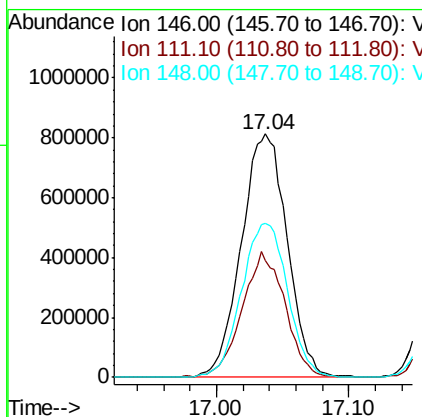
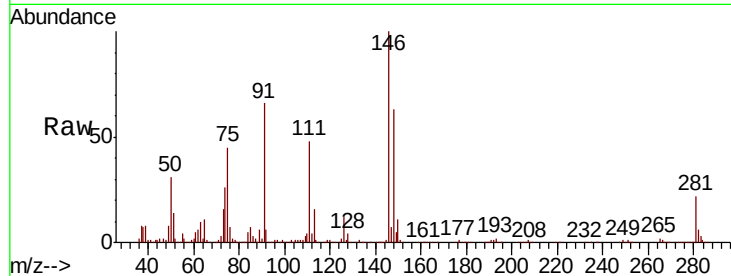




#75
 1,3-Dichlorobenzene
 Concen: 8.458 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

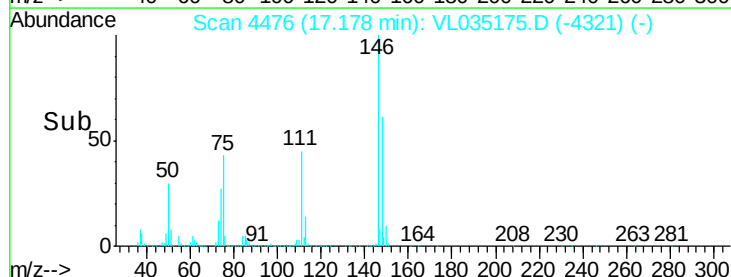
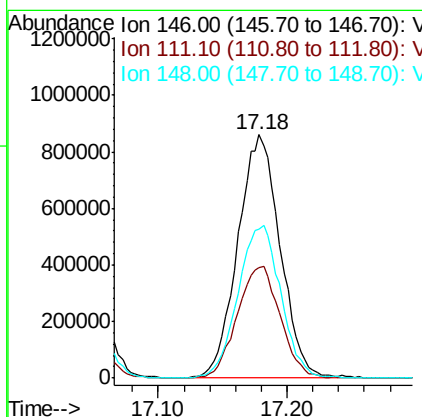
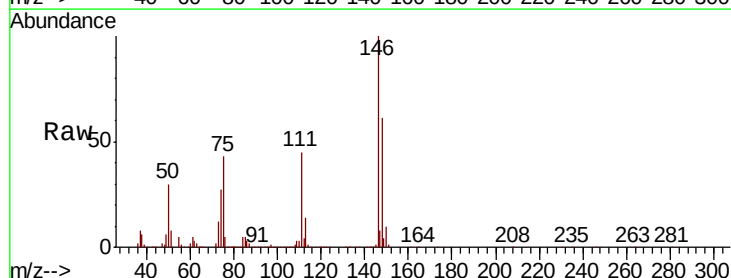
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

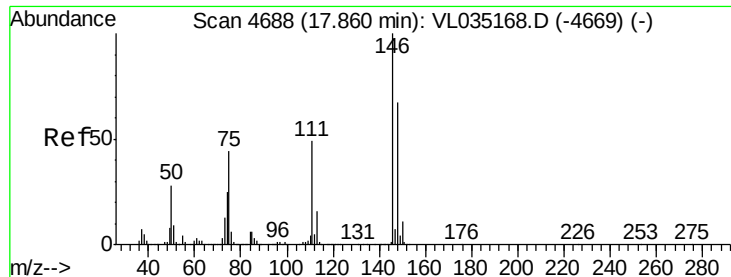
Tot Ion:146 Resp: 1944353
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.7 74.1
 148 64.1 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 9.112 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion:146 Resp: 1946763
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.8 71.2
 148 64.4 32.3 96.9

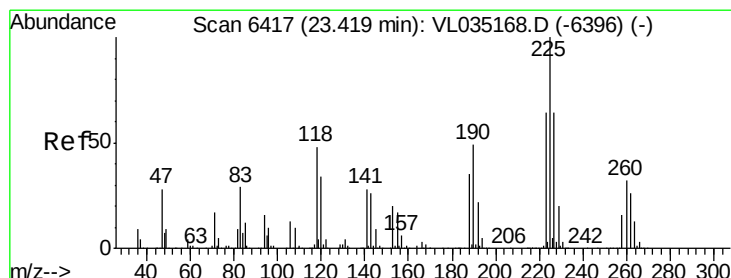
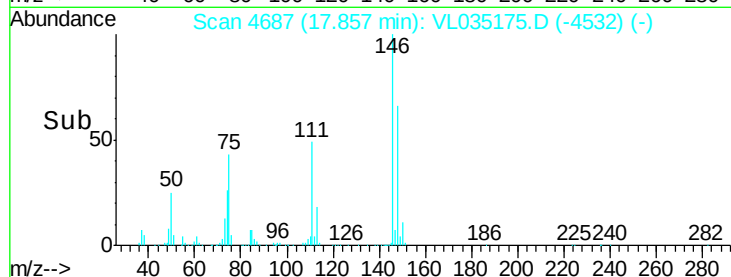
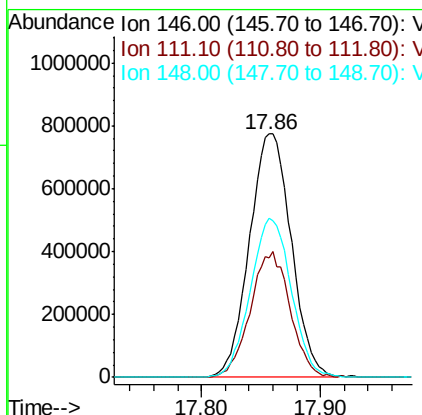
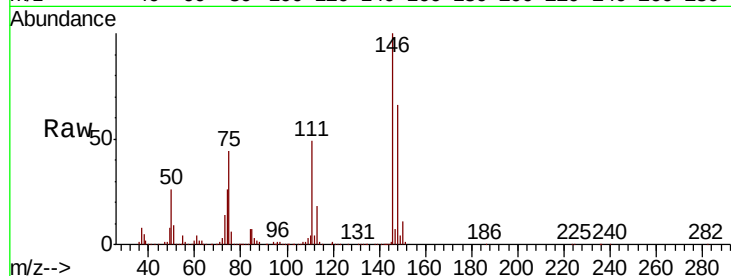




#77
 1,2-Dichlorobenzene
 Concen: 9.096 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

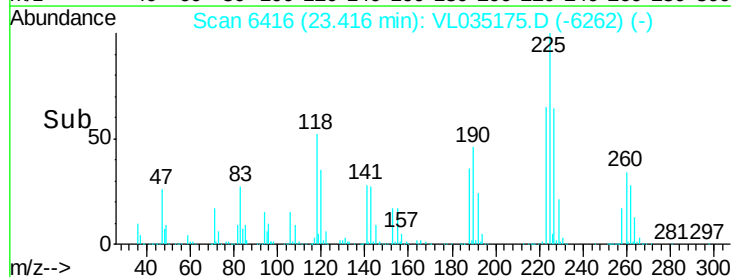
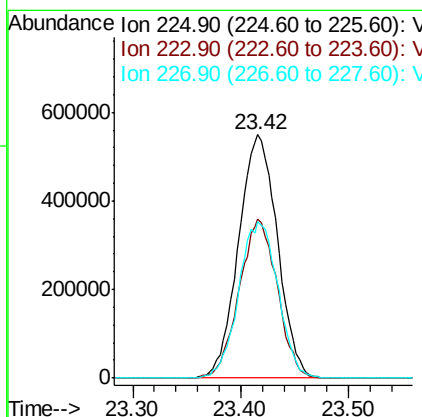
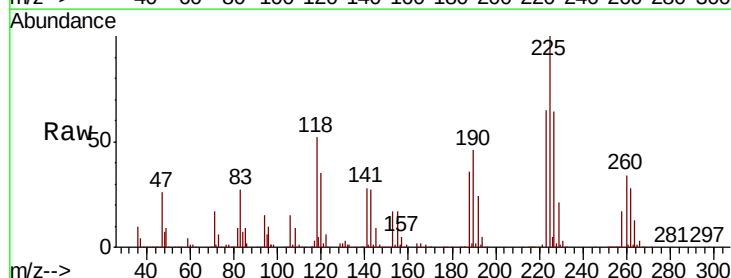
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070820

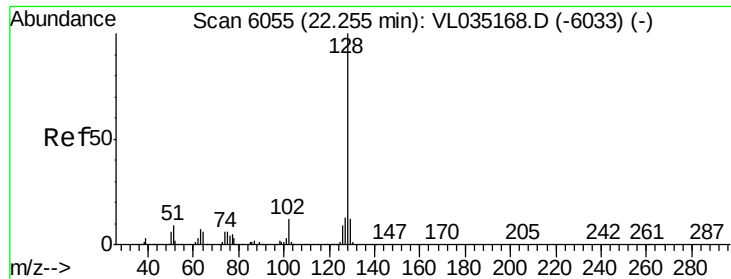
Tot Ion:146 Resp: 1882693
 Ion Ratio Lower Upper
 146 100
 111 49.2 25.1 75.2
 148 64.3 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.419 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035175.D
 Acq: 8 Jul 2020 7:45

Tgt Ion:225 Resp: 1377007
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.2 75.2
 227 64.9 51.2 76.8





#79

Naphthalene

Concen: 12.525 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

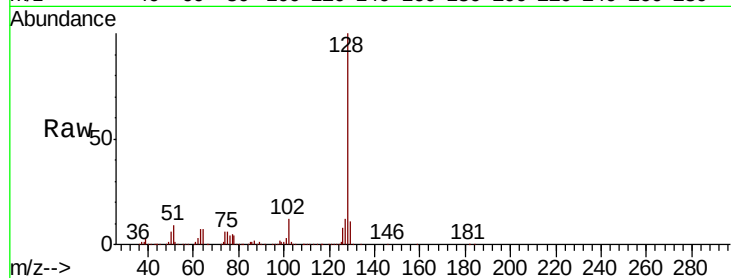
Tot Ion:128 Resp: 2942180

Ion Ratio Lower Upper

128 100

127 12.3 10.8 16.2

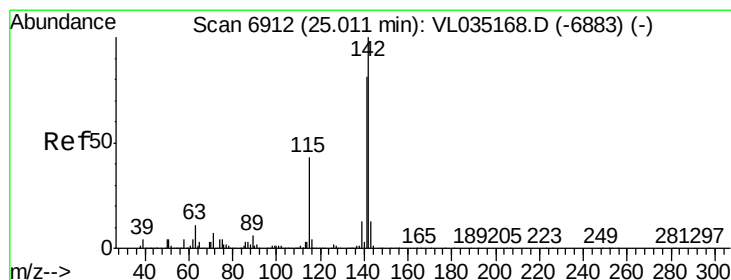
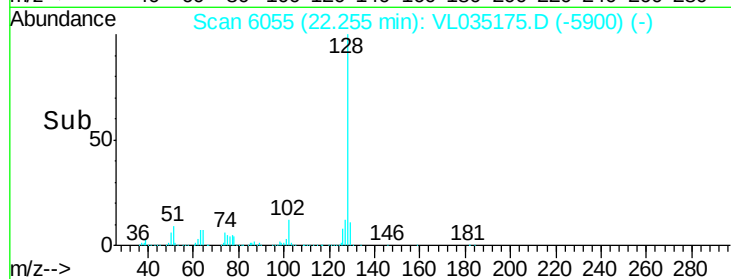
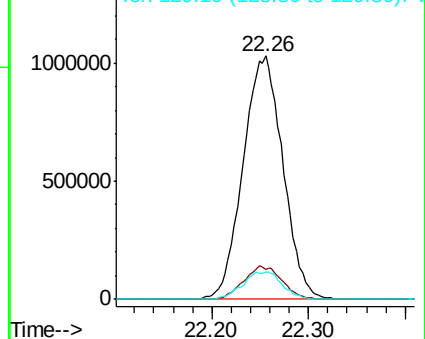
129 11.0 9.4 14.2



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: 20.138 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

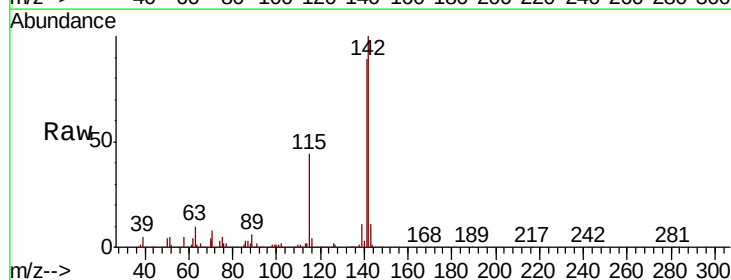
Tgt Ion:142 Resp: 1117361

Ion Ratio Lower Upper

142 100

141 85.5 68.2 102.4

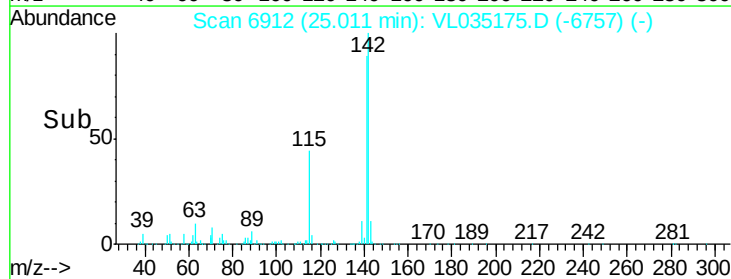
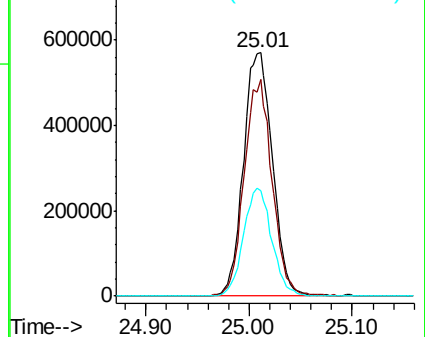
115 43.3 34.4 51.6

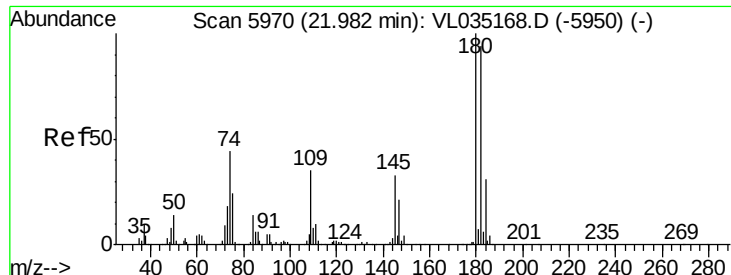


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.797 ppbv

RT: 21.98 min Scan# 5970

Delta R.T. -0.00 min

Lab File: VL035175.D

Acq: 8 Jul 2020 7:45

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070820

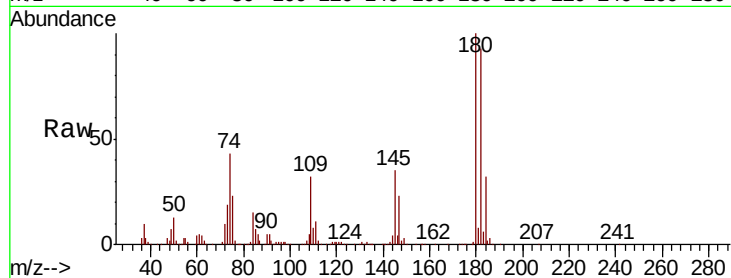
Tot Ion:180 Resp: 1606728

Ion Ratio Lower Upper

180 100

182 96.9 76.7 115.1

184 31.4 25.0 37.6



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

