

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035906.D
 Acq On : 11 Nov 2020 10:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 11 14:46:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1202486	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4723130	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5600595	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3320309	8.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2001197	8.839	ppbv 99
3) Chlorodifluoromethane	2.98	51	1373401	9.537	ppbv 99
4) Chloromethane	3.13	50	685570	9.800	ppbv 98
5) Vinyl Chloride	3.25	62	857233	9.613	ppbv 97
6) Bromomethane	3.47	94	698525	9.740	ppbv 99
7) Chloroethane	3.55	64	328207	10.457	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2395313	9.245	ppbv 98
9) Propene	3.00	41	520645	9.878	ppbv 99
10) Heptane	8.12	43	1447040	9.940	ppbv 100
11) Trichlorofluoromethane	3.94	101	2725648	9.588	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2030473	9.593	ppbv 96
13) Ethanol	3.60	45	107860	9.433	ppbv 99
14) Bromoethene	3.73	108	914526	9.389	ppbv 100
15) Acetone	3.84	43	1207420	9.392	ppbv 100
16) 1,3-Butadiene	3.32	39	530962	9.593	ppbv 97
17) tert-Butyl alcohol	4.29	59	1735916	10.189	ppbv 100
18) 1,1-Dichloroethene	4.28	96	945756	9.732	ppbv 92
19) Isopropyl Alcohol	3.96	45	823198	10.420	ppbv 98
20) Methylene Chloride	4.34	84	779071	8.609	ppbv 99
21) Allyl Chloride	4.41	41	726055	10.444	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	957553	9.720	ppbv 96
23) Vinyl Acetate	5.07	43	1697562	9.420	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1656632	9.650	ppbv 100
25) Ethyl Acetate	5.67	43	2484628	9.811	ppbv 100
26) Hexane	5.69	57	1325268	9.489	ppbv 99
27) Carbon Disulfide	4.54	76	2058678	9.837	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2343029	9.342	ppbv 100
29) Chloroform	5.75	83	2579092	9.395	ppbv 100
30) Cyclohexane	7.13	84	1408710	9.260	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1407739	9.797	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	2529551	8.830	ppbv 99
34) 2-Butanone	5.24	43	1593510	10.396	ppbv 100
35) Carbon Tetrachloride	7.02	117	2505889	9.930	ppbv 100
36) Benzene	6.89	78	3339957	9.512	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1630731	10.251	ppbv 100
38) Trichloroethene	7.84	130	1518307	8.853	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1153687	9.759	ppbv 99
40) 1,4-Dioxane	7.83	88	544007	9.709	ppbv 100
41) Tetrahydrofuran	6.05	42	942453	10.822	ppbv 100
42) Bromodichloromethane	7.79	83	2675249	9.967	ppbv 97
43) Methyl Methacrylate	8.01	69	1368089	10.215	ppbv 98

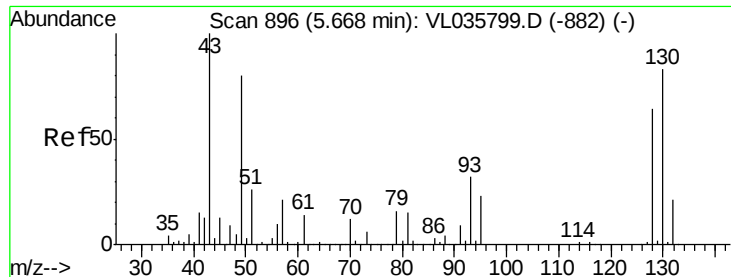
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4487302	9.657	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1469846	10.352	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1820675	10.125	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1527592	9.483	ppbv	99
48) Dibromochloromethane	10.31	129	2482343	10.087	ppbv	100
49) Bromoform	13.05	173	2102073	10.123	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2430213	10.368	ppbv	100
51) 2-Hexanone	10.14	43	1994919	10.595	ppbv #	99
52) Tetrachloroethene	11.23	164	1422922	8.553	ppbv	98
53) Toluene	9.81	91	4026051	9.502	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2349369	9.590	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1917461	7.628	ppbv #	93
57) Chlorobenzene	12.15	112	3236800	7.269	ppbv	98
58) Ethyl Benzene	12.72	91	5198255	7.621	ppbv	99
59) m/p-Xylene	13.00	91	4797478	8.313	ppbv #	41
60) o-Xylene	13.70	91	4262232	7.592	ppbv	100
61) Styrene	13.53	104	3287232	7.992	ppbv	99
62) Isopropylbenzene	14.67	105	6427043	7.284	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3040866	6.991	ppbv	100
64) n-propylbenzene	15.57	120	1931756	7.574	ppbv	99
65) tert-Butylbenzene	16.75	119	5780011	7.197	ppbv	99
66) Benzyl Chloride	17.00	91	2107993	7.940	ppbv	100
67) sec-Butylbenzene	17.30	105	7847212	7.250	ppbv	100
69) p-Isopropyltoluene	17.66	119	6571837	7.358	ppbv	100
70) n-Butylbenzene	18.56	91	6515872	7.575	ppbv	99
71) 2-Chlorotoluene	15.46	91	4922867	7.627	ppbv	99
72) 4-Ethyltoluene	15.85	105	5187333	7.618	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4774678	7.663	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4954943	7.421	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	3098367	7.288	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3072259	7.491	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3031036	7.314	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1492247	7.717	ppbv	99
79) Naphthalene	22.21	128	4143424	8.902	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1054717	13.906	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	2073200	7.973	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

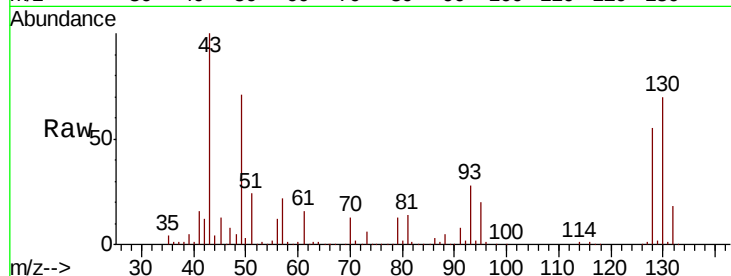
Tot Ion: 49 Resp: 1202486

Ion Ratio Lower Upper

49 100

128 82.0 41.5 124.6

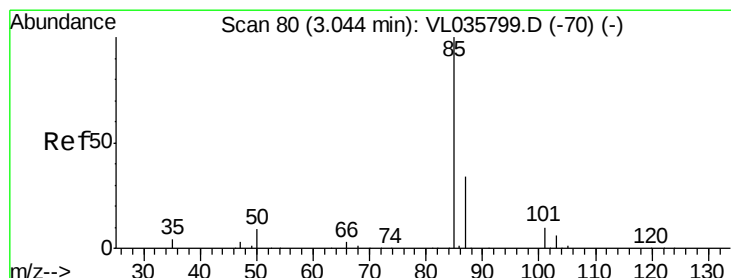
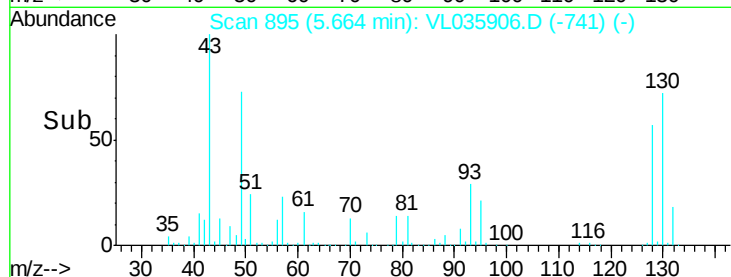
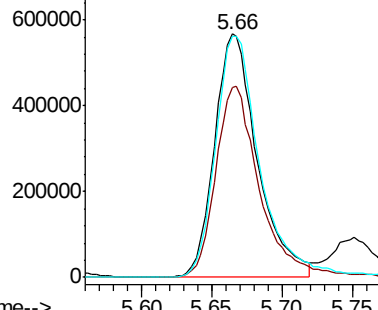
130 105.0 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.839 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035906.D

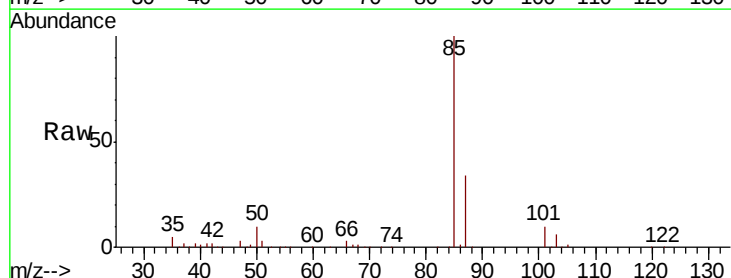
Acq: 11 Nov 2020 10:08

Tgt Ion: 85 Resp: 2001197

Ion Ratio Lower Upper

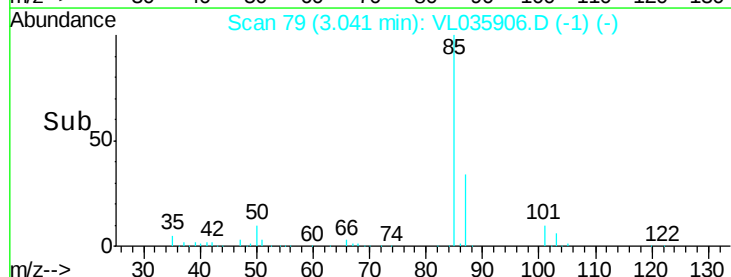
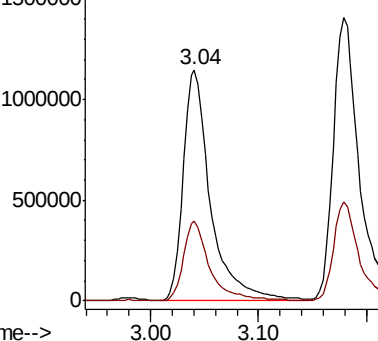
85 100

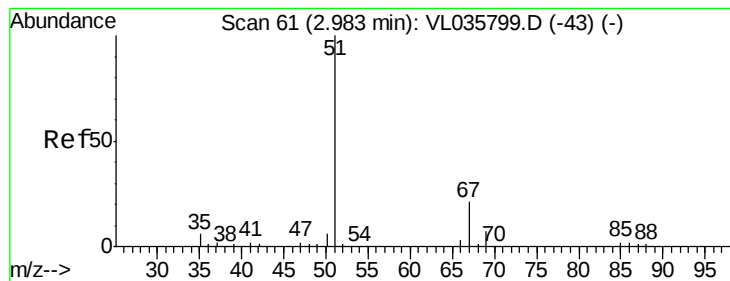
87 34.4 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.537 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

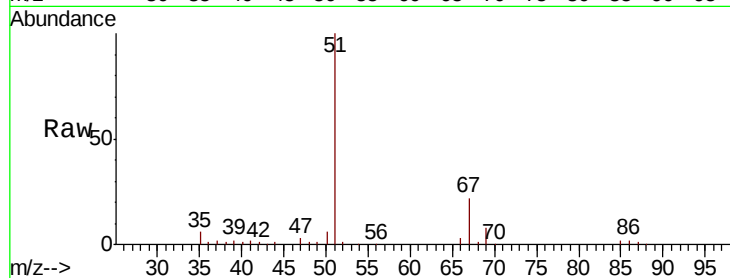
ClientSampleId :

Tot Ion: 51 Resp: 1373401

Ion Ratio Lower Upper

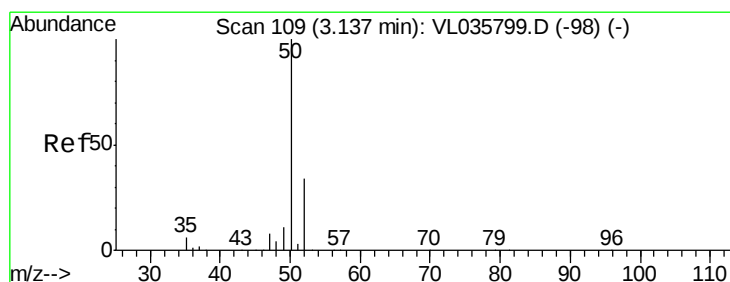
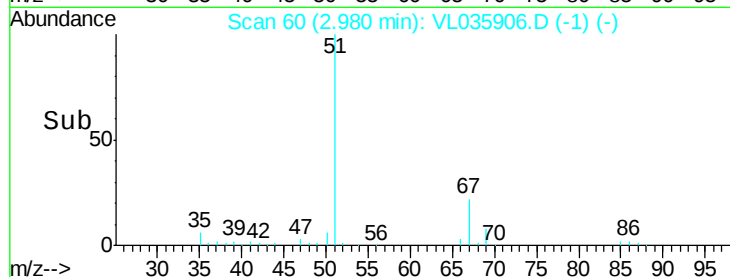
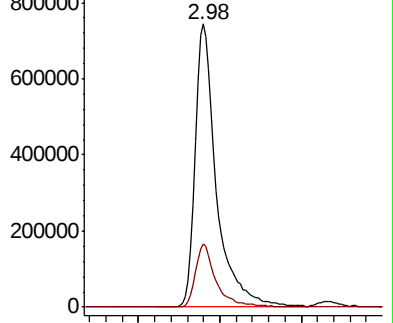
51 100

67 21.8 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.800 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035906.D

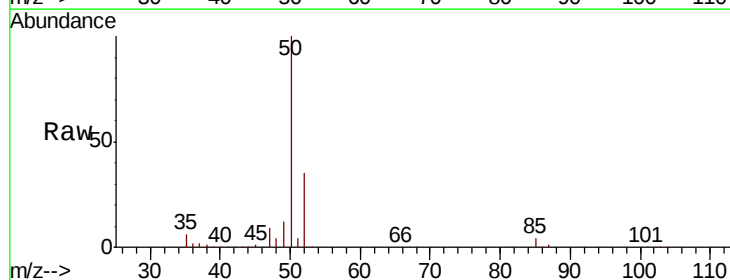
Acq: 11 Nov 2020 10:08

Tgt Ion: 50 Resp: 685570

Ion Ratio Lower Upper

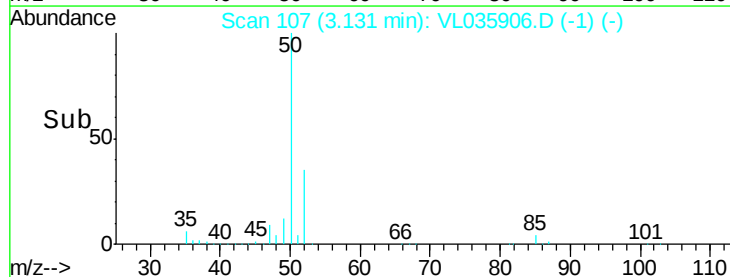
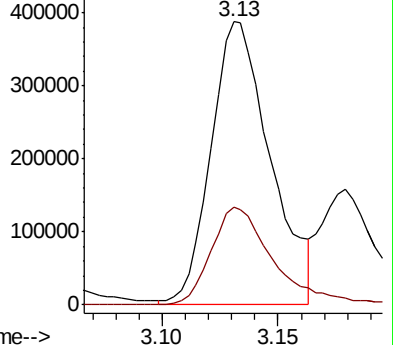
50 100

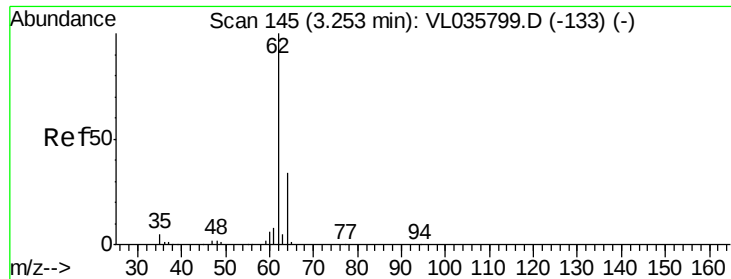
52 35.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.613 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

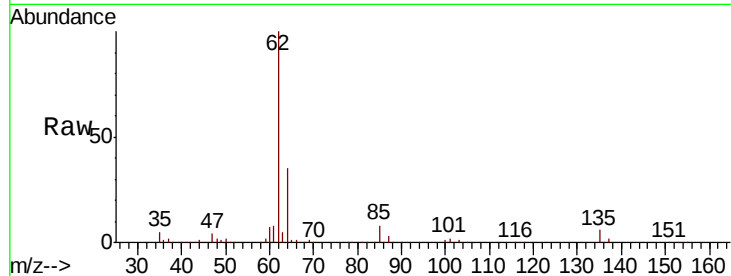
ClientSampleId :

Tot Ion: 62 Resp: 857233

Ion Ratio Lower Upper

62 100

64 35.2 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

500000

400000

300000

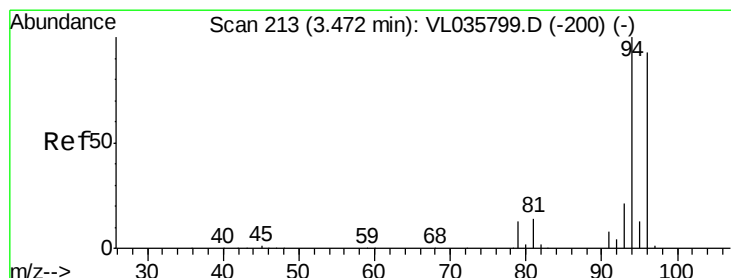
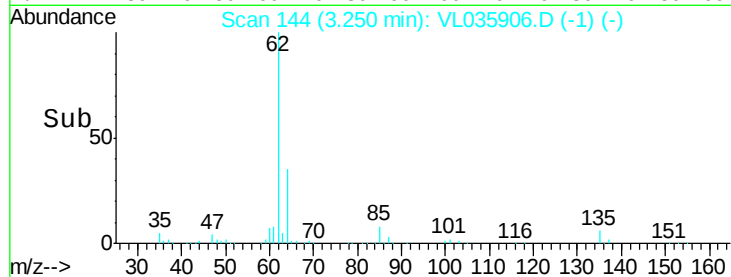
200000

100000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 9.740 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL035906.D

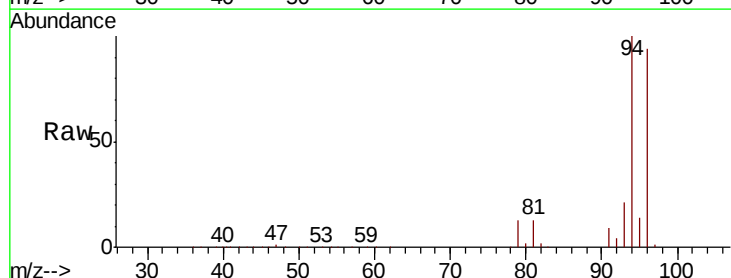
Acq: 11 Nov 2020 10:08

Tgt Ion: 94 Resp: 698525

Ion Ratio Lower Upper

94 100

96 94.4 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

400000

300000

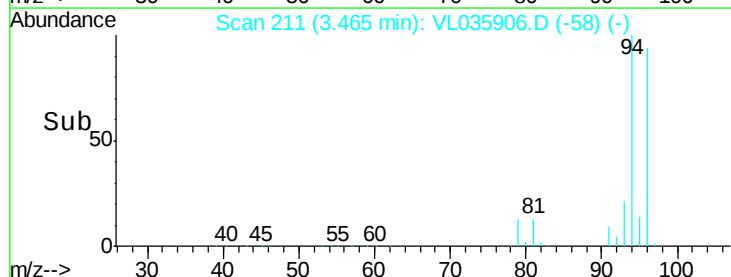
200000

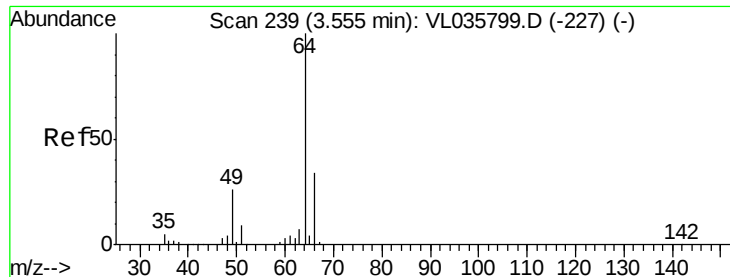
100000

0

Time-->

3.40 3.50 3.60





#7

Chloroethane

Concen: 10.457 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

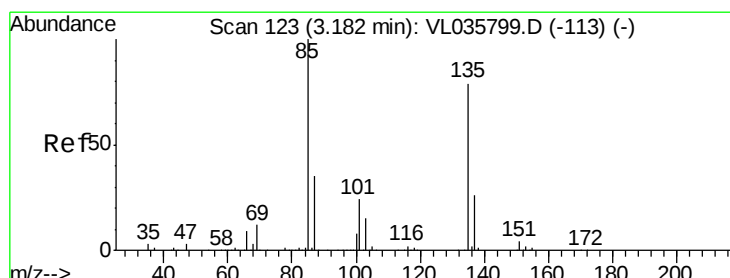
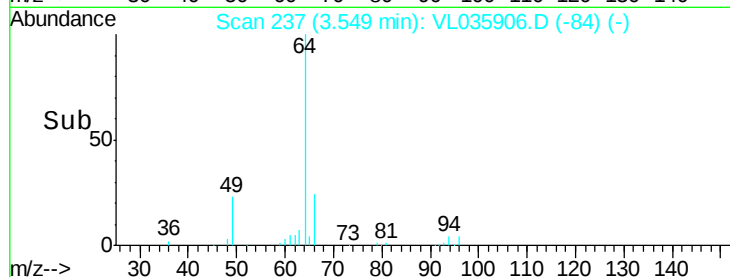
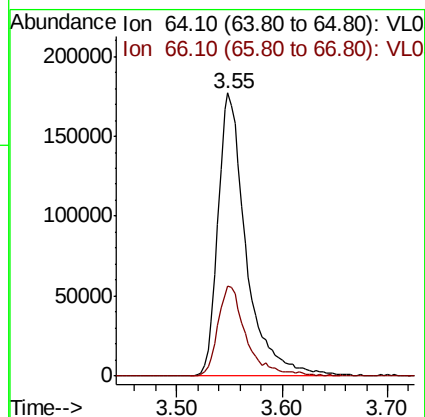
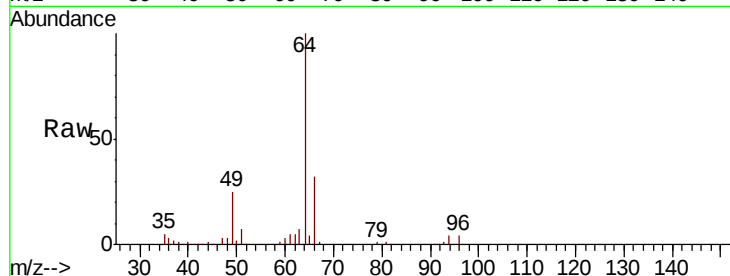
ClientSampled :

Tot Ion: 64 Resp: 328207

Ion Ratio Lower Upper

64 100

66 32.0 27.0 40.6



#8

Dichlorotetrafluoroethane

Concen: 9.245 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL035906.D

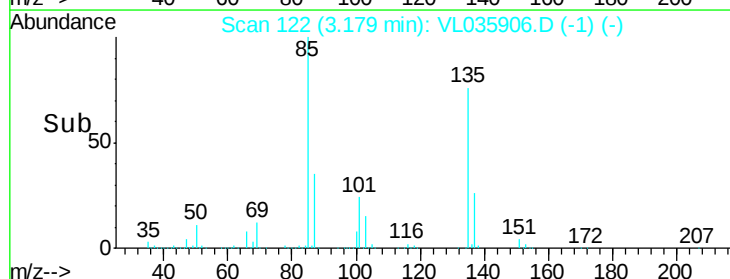
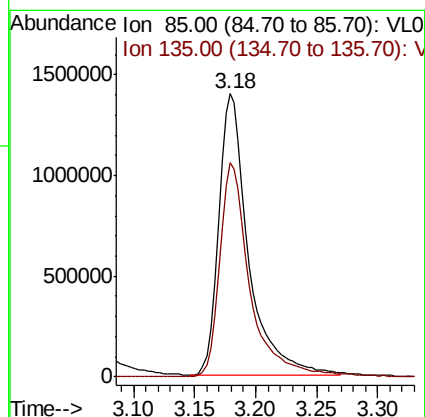
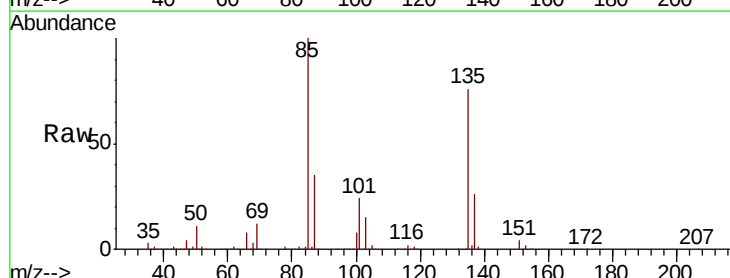
Acq: 11 Nov 2020 10:08

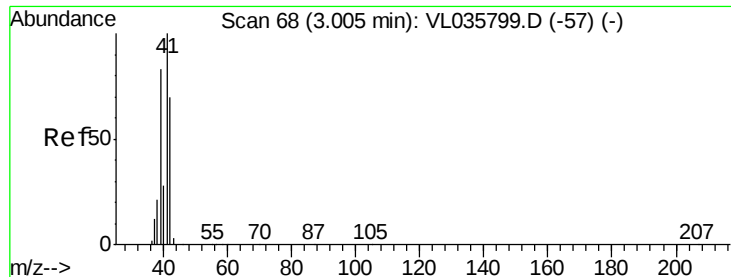
Tgt Ion: 85 Resp: 2395313

Ion Ratio Lower Upper

85 100

135 78.6 64.6 96.8





#9

Propene

Concen: 9.878 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

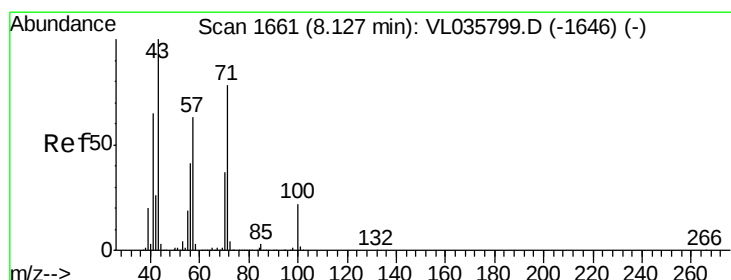
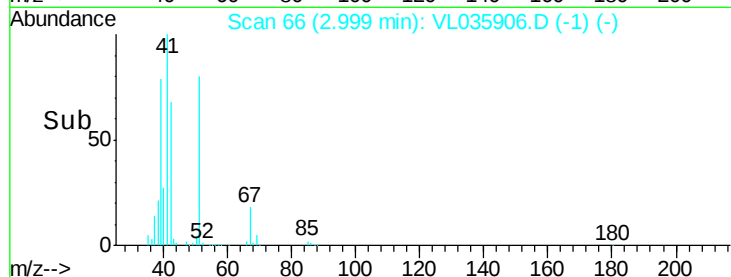
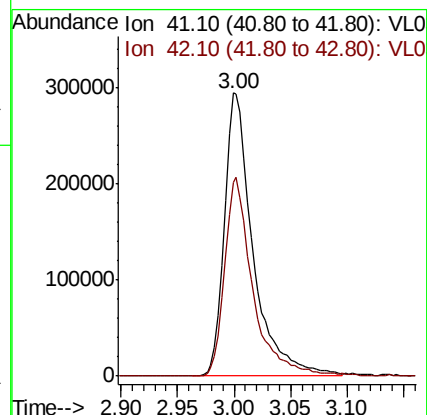
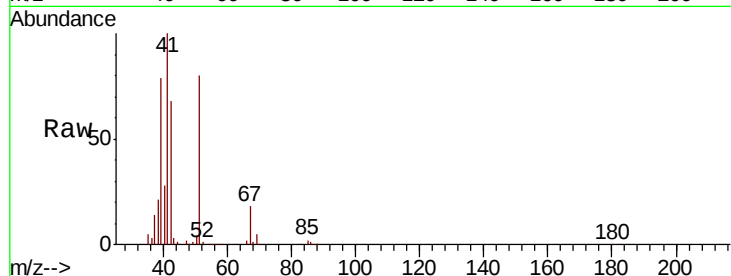
ClientSampleId :

Tot Ion: 41 Resp: 520645

Ion Ratio Lower Upper

41 100

42 69.7 56.2 84.4



#10

Heptane

Concen: 9.940 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL035906.D

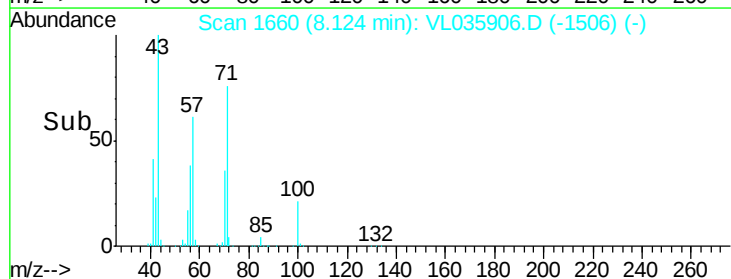
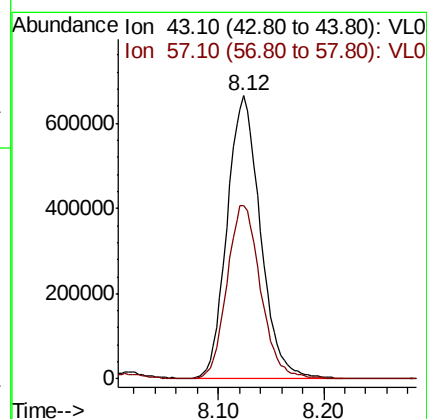
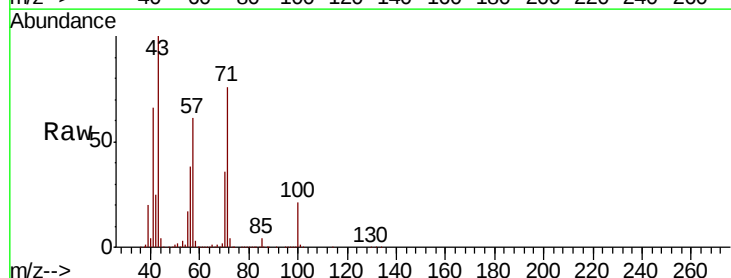
Acq: 11 Nov 2020 10:08

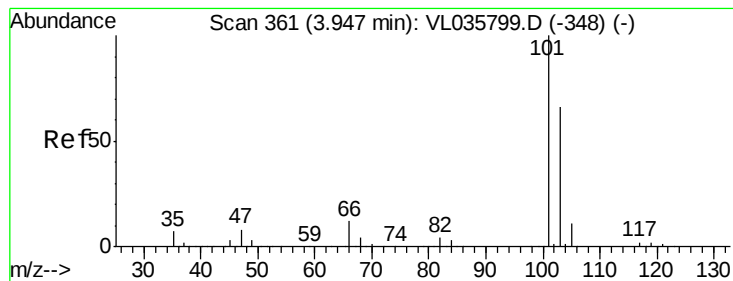
Tgt Ion: 43 Resp: 1447040

Ion Ratio Lower Upper

43 100

57 62.7 50.0 75.0





#11

Trichlorofluoromethane

Concen: 9.588 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

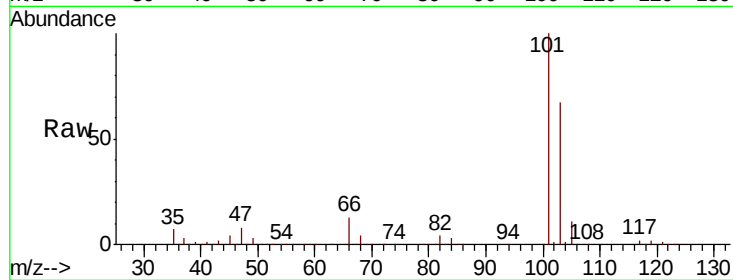
ClientSampleId :

Tot Ion:101 Resp: 2725648

Ion Ratio Lower Upper

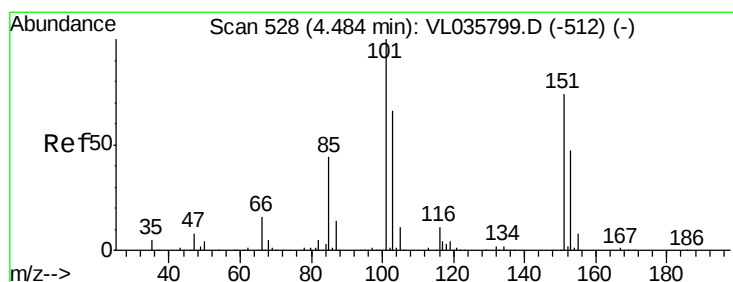
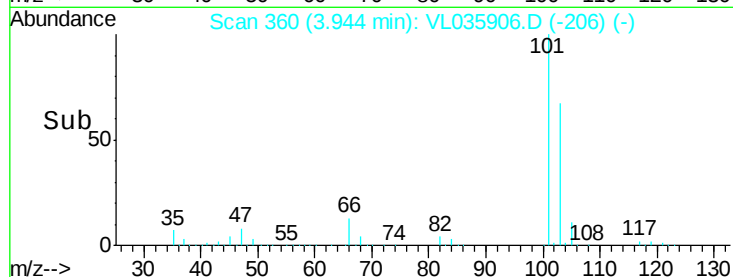
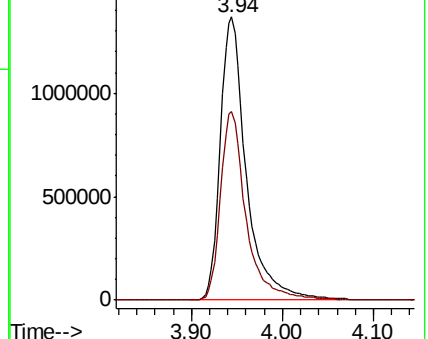
101 100

103 66.6 53.0 79.4



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: 9.593 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL035906.D

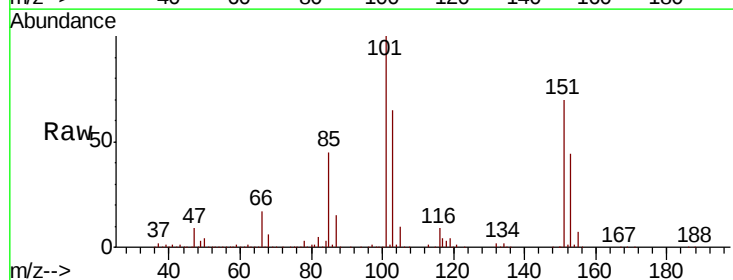
Acq: 11 Nov 2020 10:08

Tgt Ion:101 Resp: 2030473

Ion Ratio Lower Upper

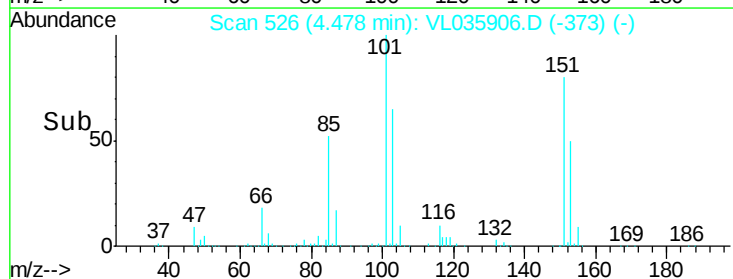
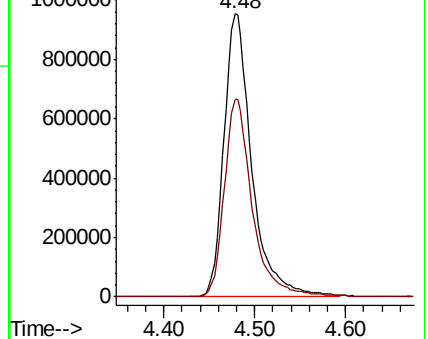
101 100

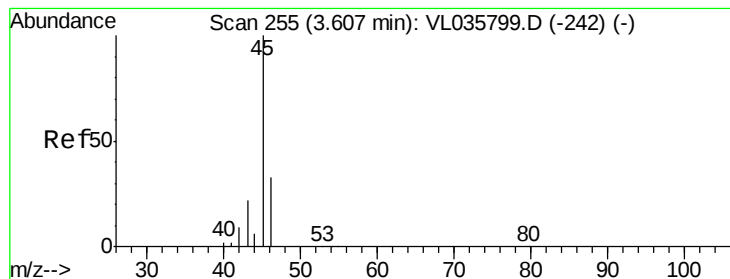
151 70.5 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.433 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

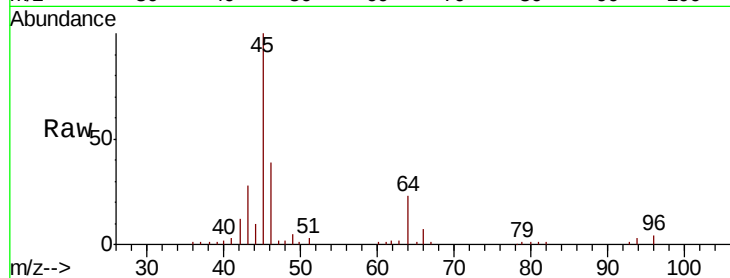
ClientSampleId :

Tot Ion: 45 Resp: 107860

Ion Ratio Lower Upper

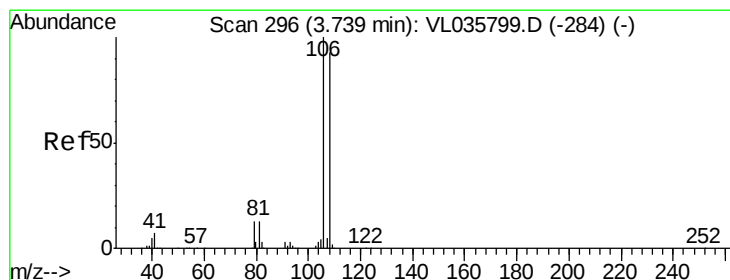
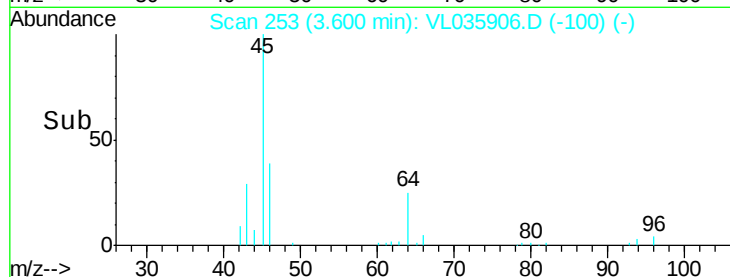
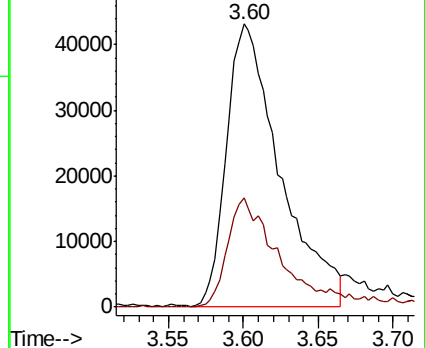
45 100

46 40.9 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.389 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

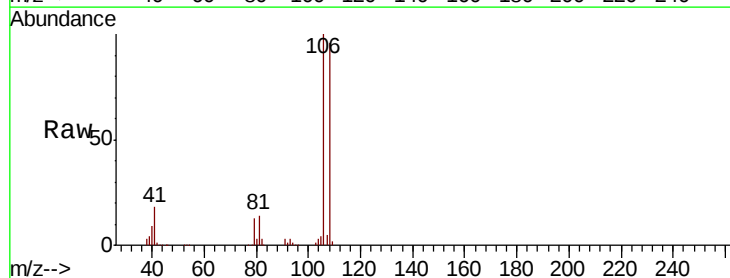
Tgt Ion: 108 Resp: 914526

Ion Ratio Lower Upper

108 100

106 106.2 85.3 127.9

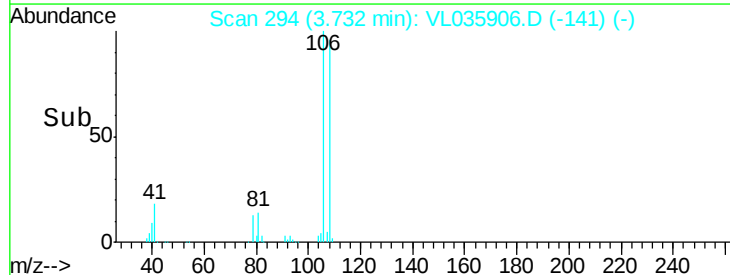
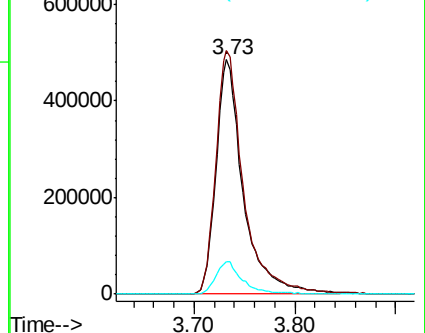
79 14.1 11.6 17.4

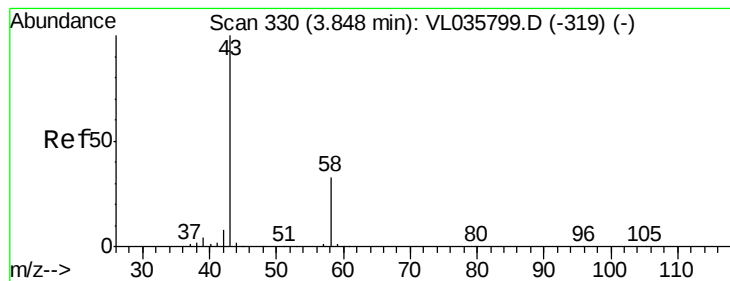


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.392 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

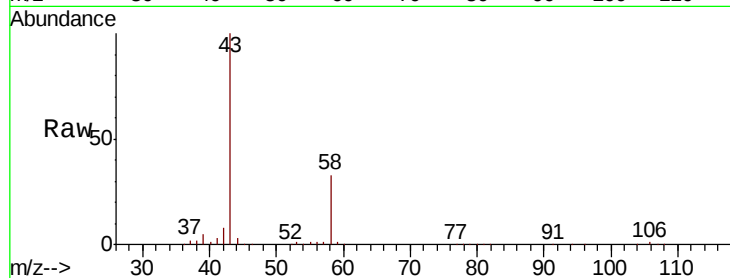
ClientSampleId :

Tot Ion: 43 Resp: 1207420

Ion Ratio Lower Upper

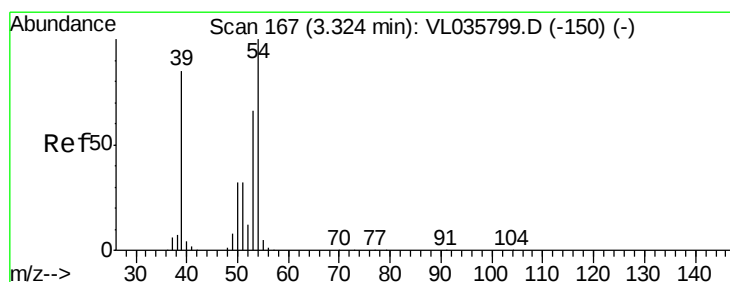
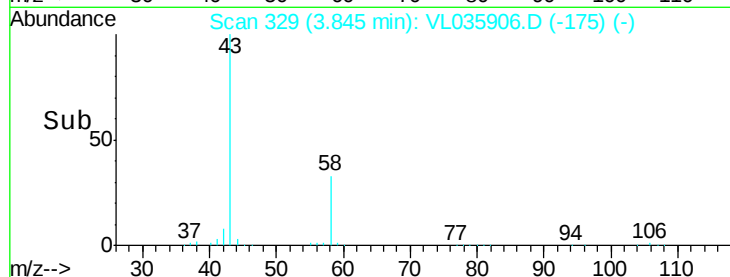
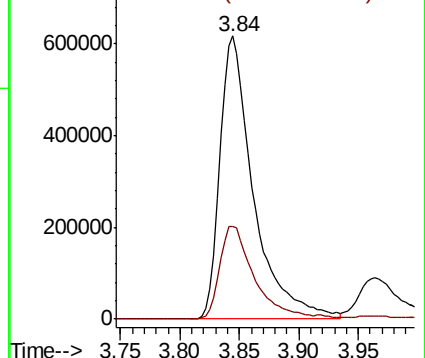
43 100

58 34.5 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.593 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035906.D

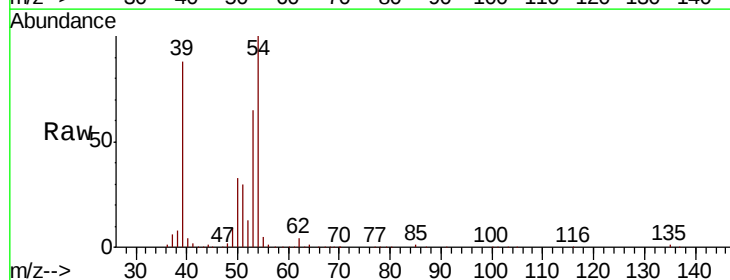
Acq: 11 Nov 2020 10:08

Tgt Ion: 39 Resp: 530962

Ion Ratio Lower Upper

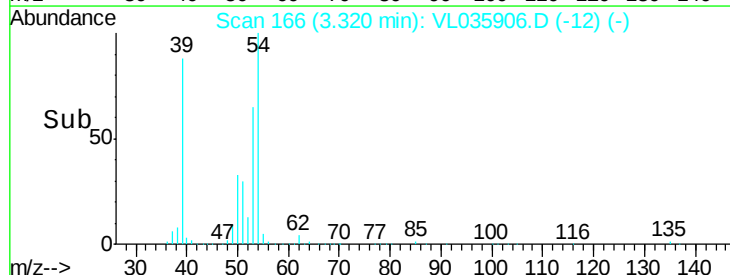
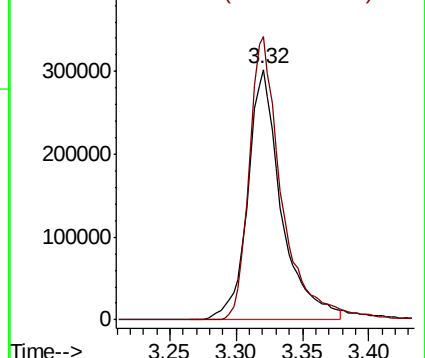
39 100

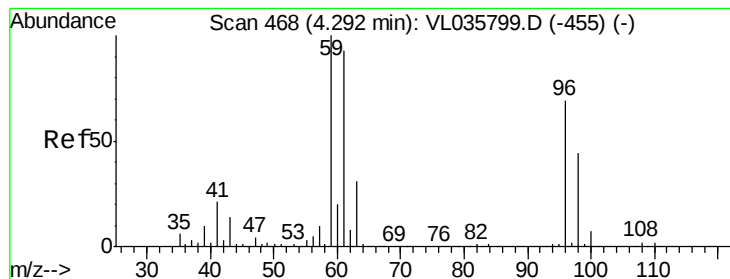
54 112.0 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.189 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

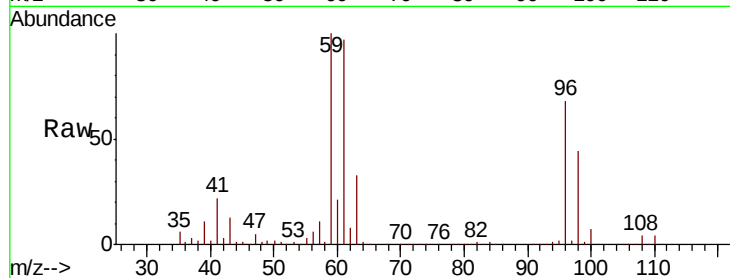
ClientSampleId :

Tot Ion: 59 Resp: 1735916

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

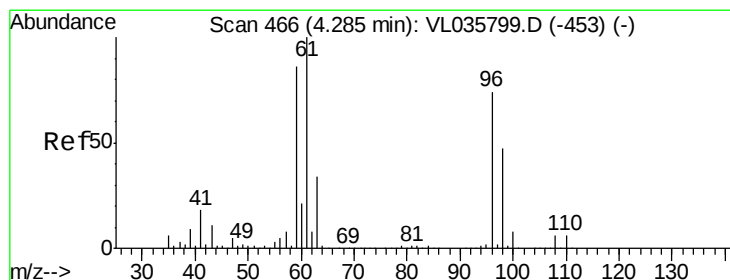
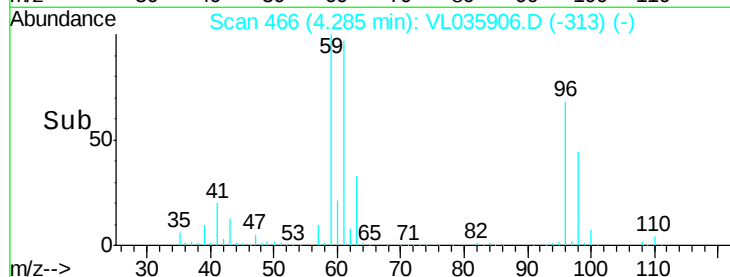
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.732 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

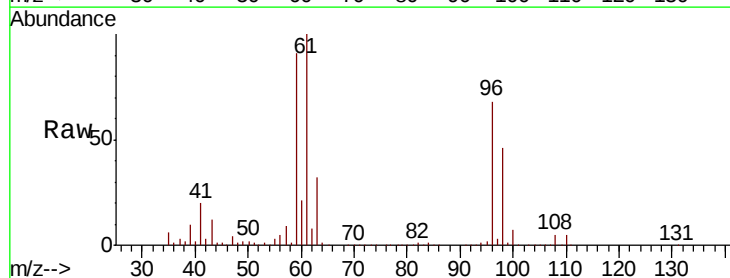
Tgt Ion: 96 Resp: 945756

Ion Ratio Lower Upper

96 100

61 146.9 108.5 162.7

98 67.8 50.7 76.1



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

4.28

800000

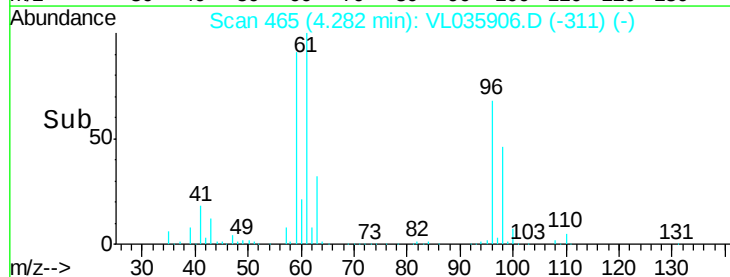
600000

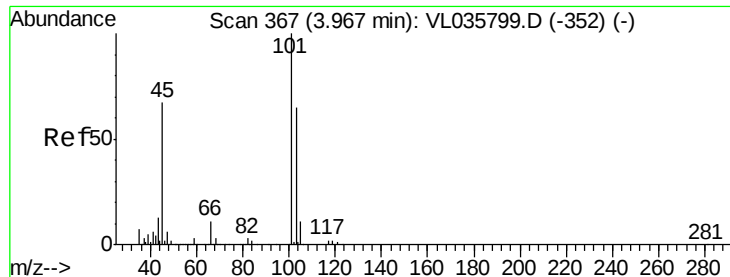
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.420 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

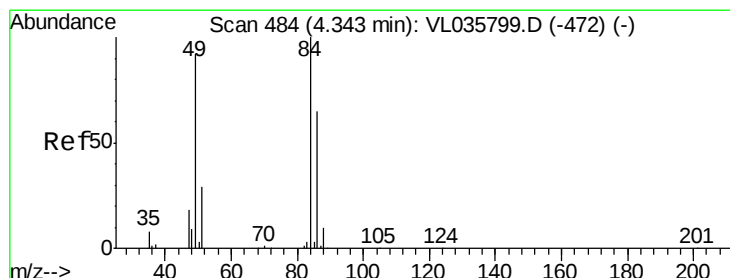
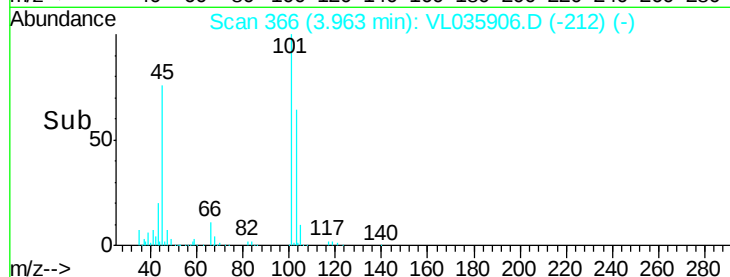
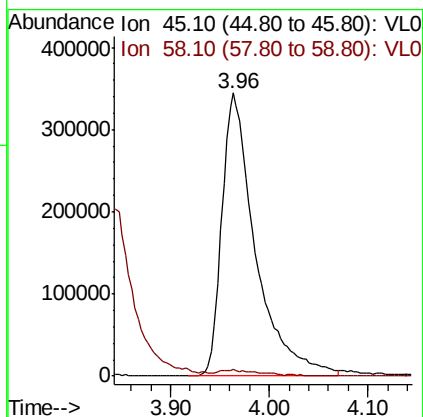
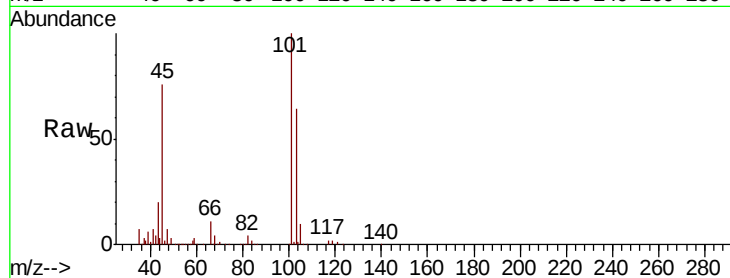
ClientSampled :

Tot Ion: 45 Resp: 823198

Ion Ratio Lower Upper

45 100

58 2.6 2.6 3.8



#20

Methylene Chloride

Concen: 8.609 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tgt Ion: 84 Resp: 779071

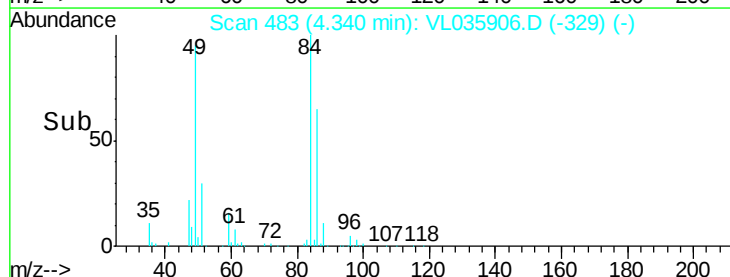
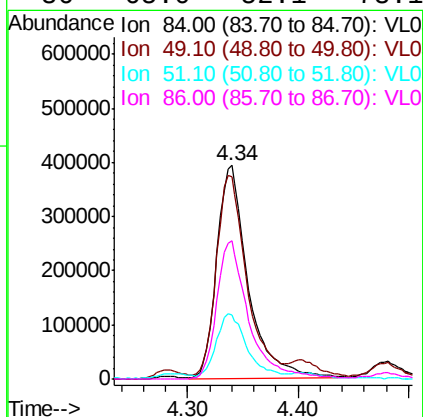
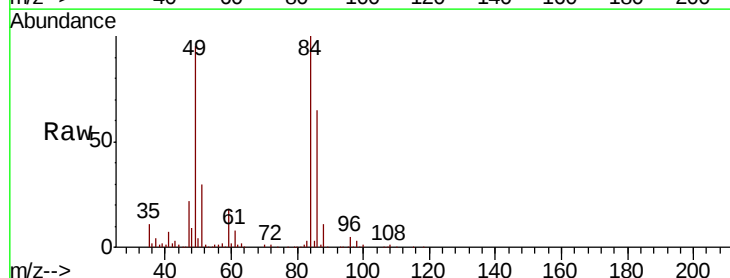
Ion Ratio Lower Upper

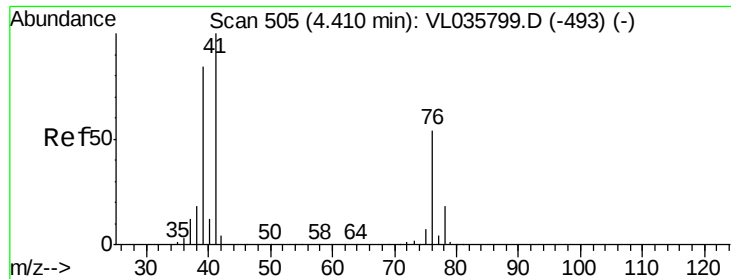
84 100

49 93.5 73.8 110.8

51 29.5 23.0 34.4

86 65.0 52.1 78.1





#21

Allvl Chloride

Concen: 10.444 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

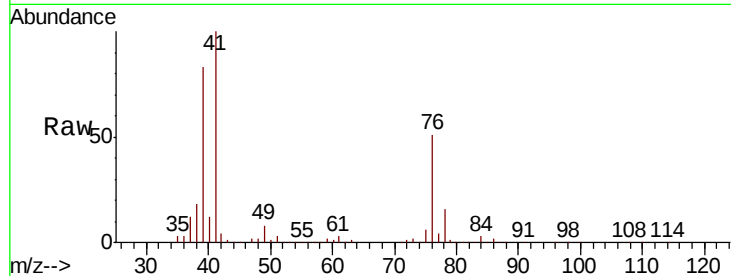
Tot Ion: 41 Resp: 726055

Ion Ratio Lower Upper

41 100

76 52.6 42.6 63.8

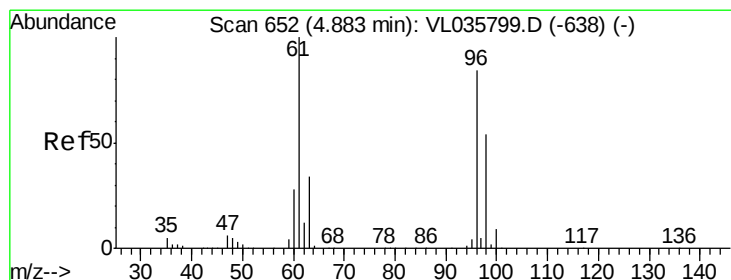
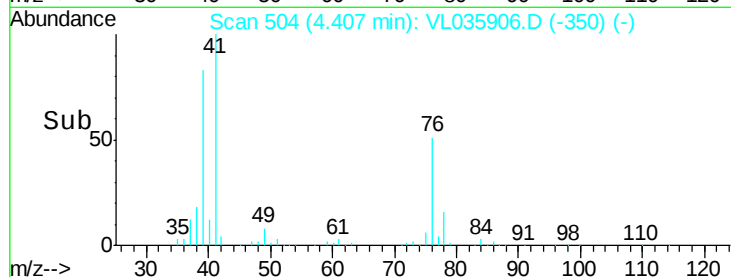
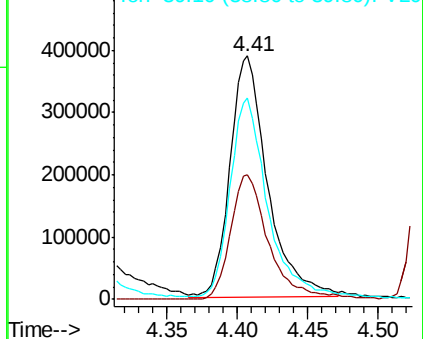
39 83.7 67.0 100.4



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: 9.720 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

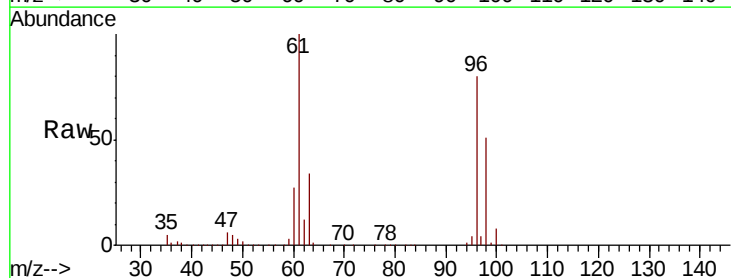
Tgt Ion: 96 Resp: 957553

Ion Ratio Lower Upper

96 100

61 125.2 95.4 143.0

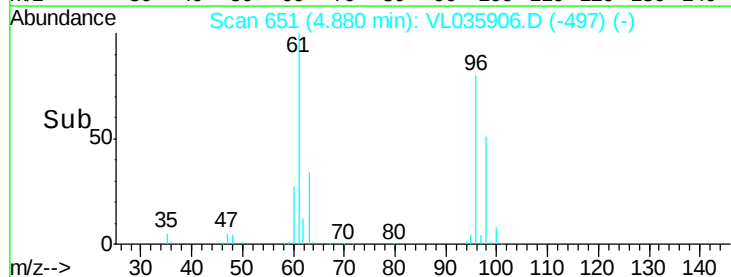
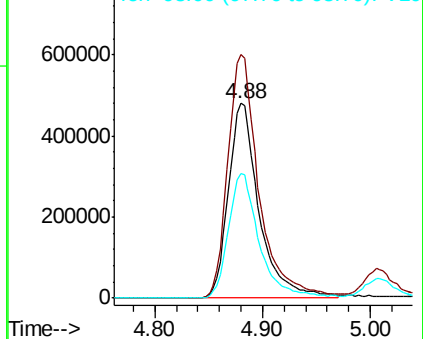
98 64.2 51.8 77.6

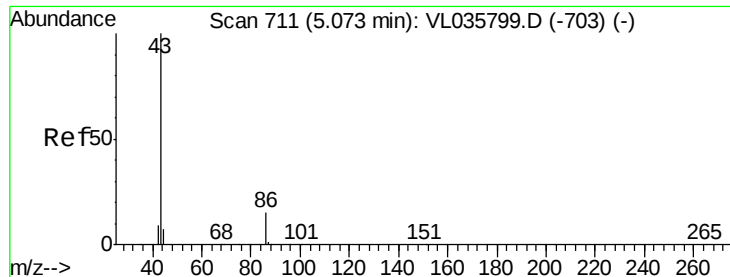


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



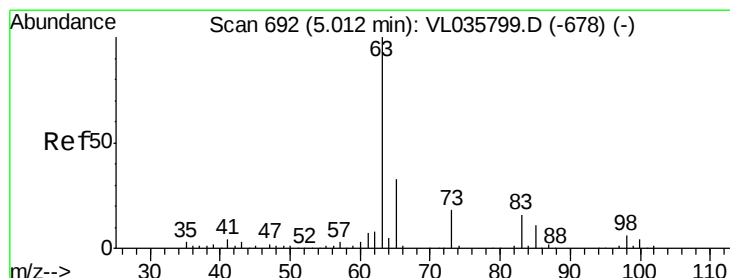
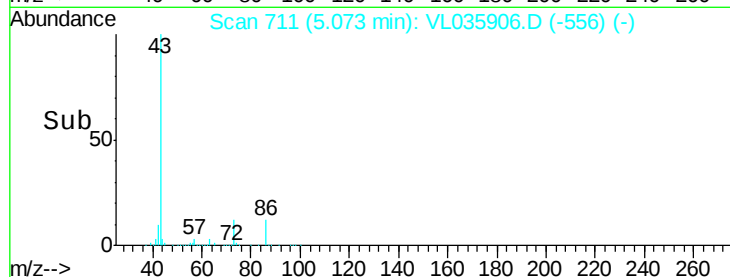
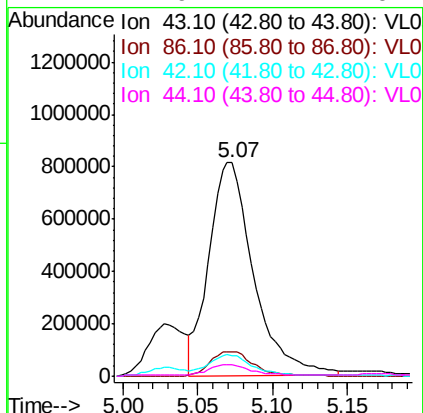
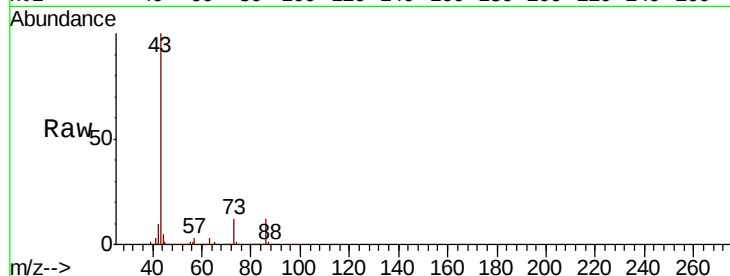


#23
 Vinyl Acetate
 Concen: 9.420 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 43 Resp: 1697562

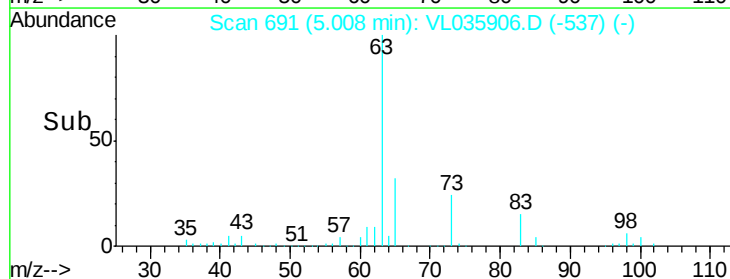
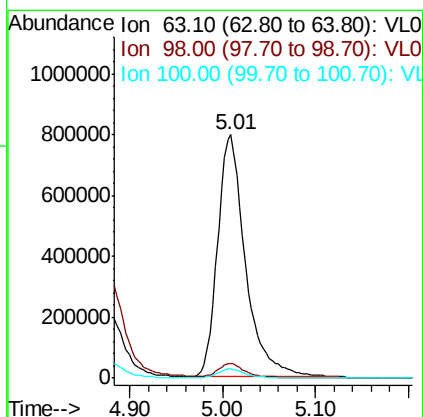
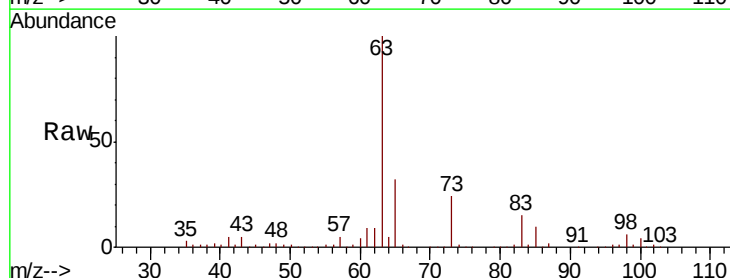
Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.8	14.6
42	9.4	8.1	12.1
44	4.9	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 9.650 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 63 Resp: 1656632

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	3.8	1.8	5.4



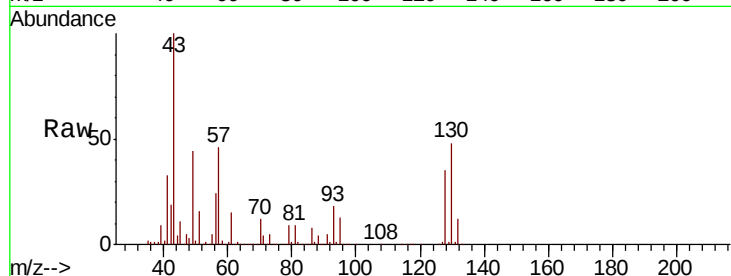


#25
Ethyl Acetate
Concen: 9.811 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2484628

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.5	12.7
61	13.2	10.7	16.1
70	10.6	8.6	12.8



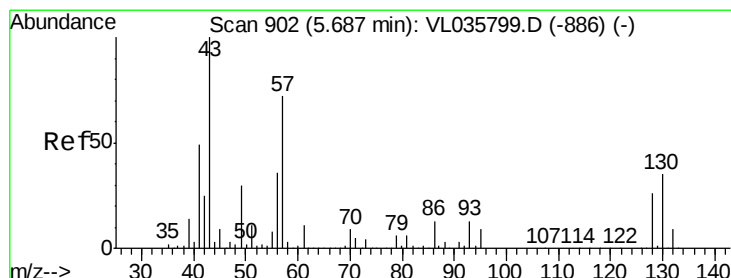
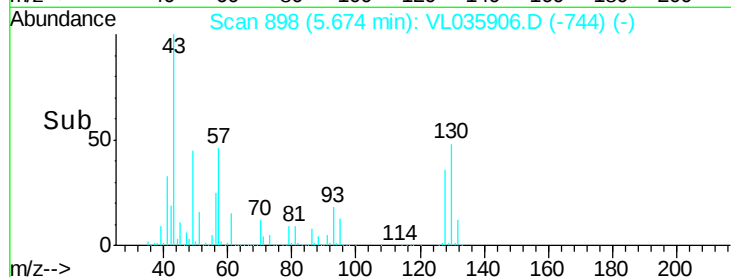
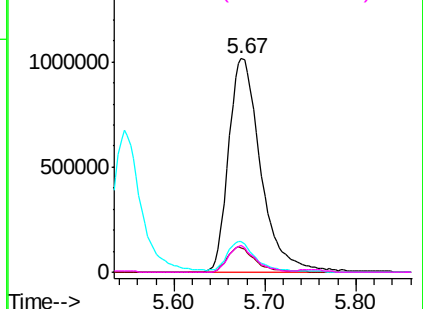
Abundance

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

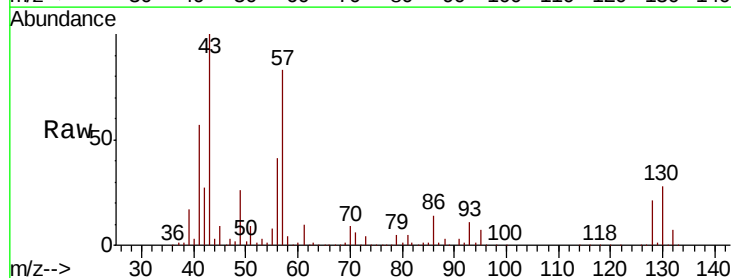
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.489 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 57 Resp: 1325268

Ion	Ratio	Lower	Upper
57	100		
41	73.6	58.9	88.3
43	189.0	150.2	225.2
56	52.8	42.4	63.6



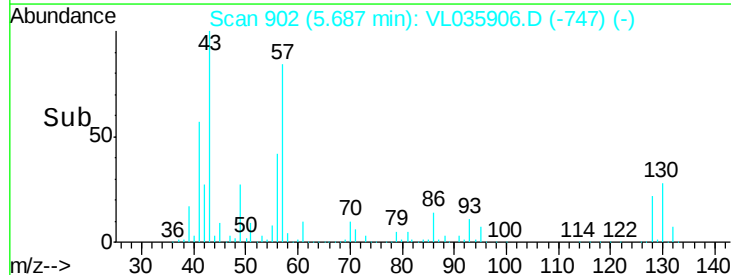
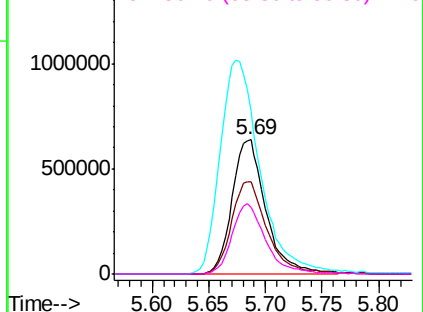
Abundance

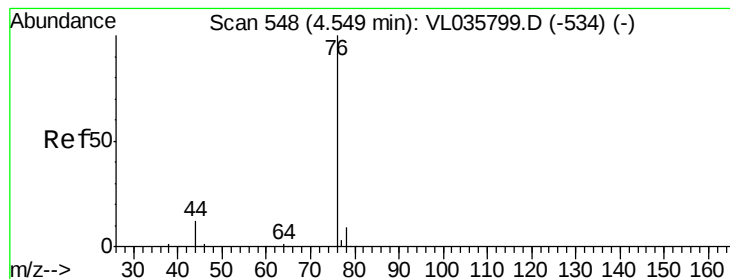
Ion 57.10 (56.80 to 57.80): VL0

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: 9.837 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

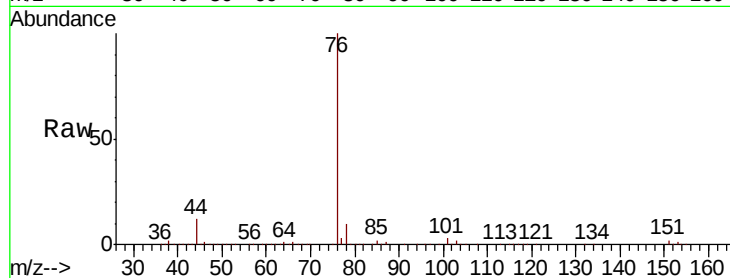
Tot Ion: 76 Resp: 2058678

Ion Ratio Lower Upper

76 100

44 11.9 9.9 14.9

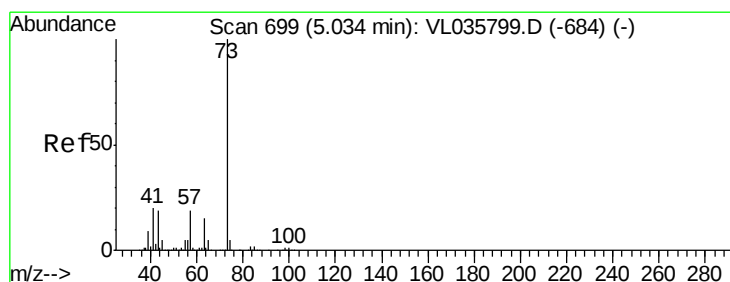
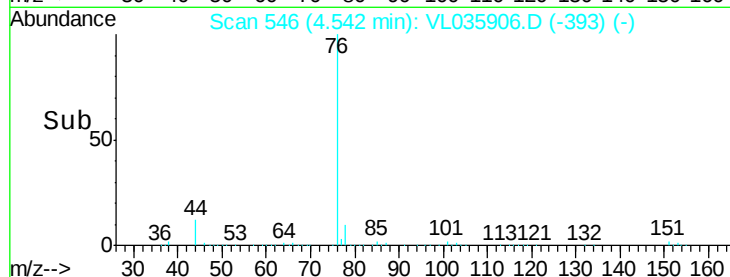
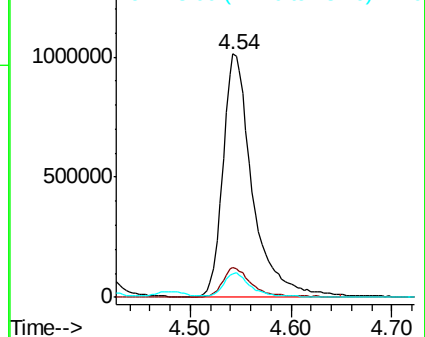
78 9.9 8.1 12.1



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: 9.342 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL035906.D

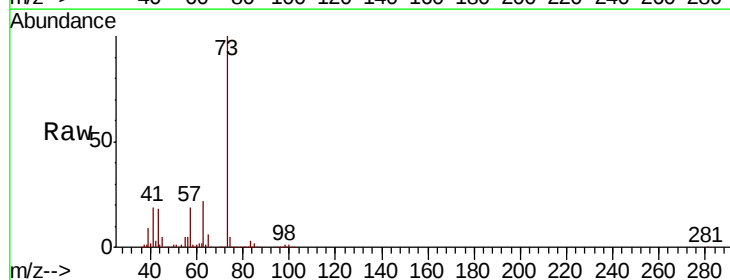
Acq: 11 Nov 2020 10:08

Tgt Ion: 73 Resp: 2343029

Ion Ratio Lower Upper

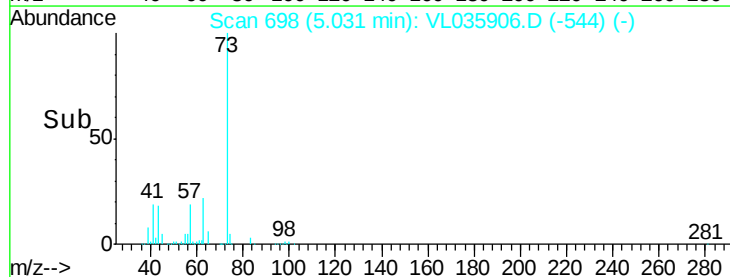
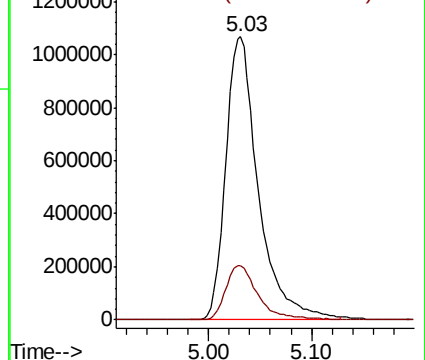
73 100

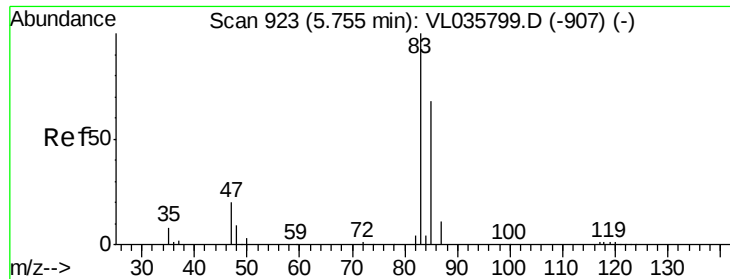
57 19.3 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

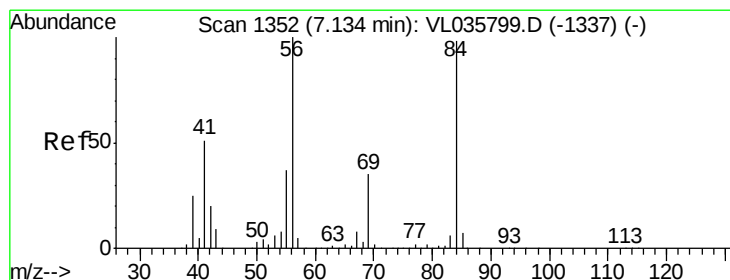
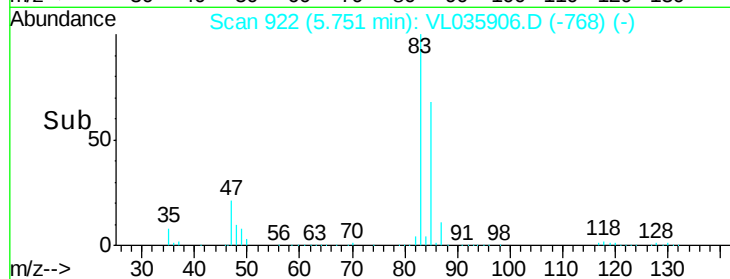
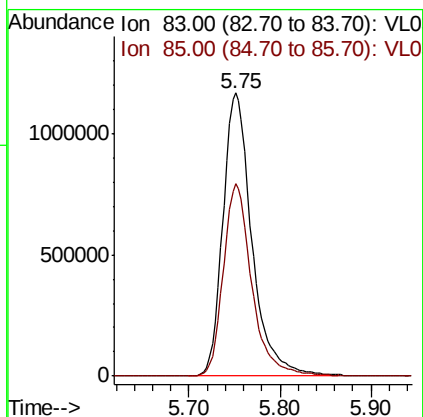
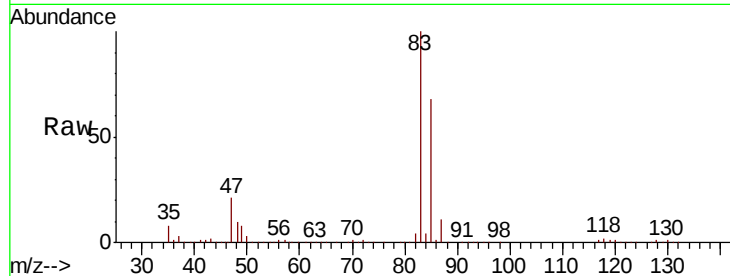




#29
Chloroform
Concen: 9.395 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

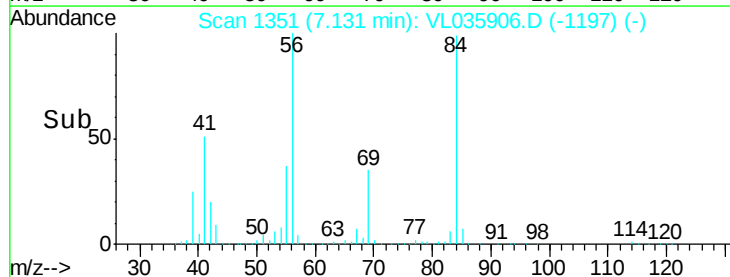
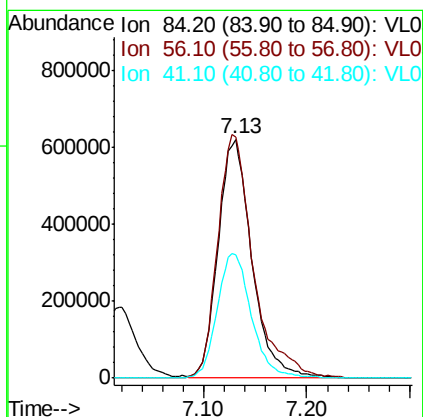
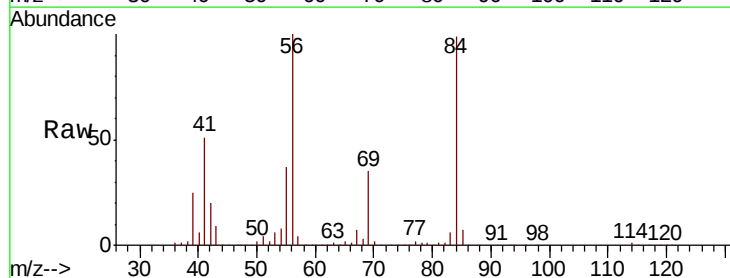
Instrument :
MSVOA_W
ClientSampleId :

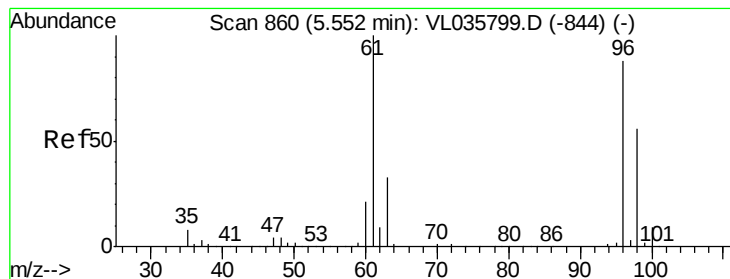
Tot Ion: 83 Resp: 2579092
Ion Ratio Lower Upper
83 100
85 67.9 54.6 81.8



#30
Cyclohexane
Concen: 9.260 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 84 Resp: 1408710
Ion Ratio Lower Upper
84 100
56 108.3 86.4 129.6
41 53.4 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.797 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

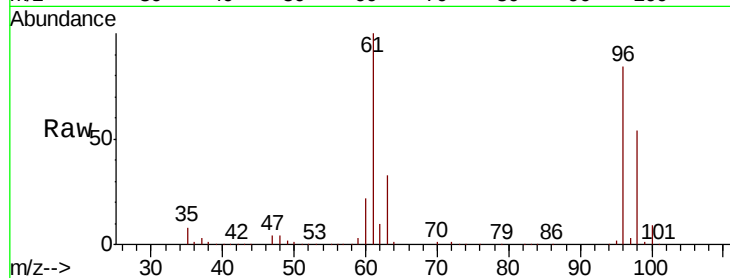
Tot Ion: 61 Resp: 1407739

Ion Ratio Lower Upper

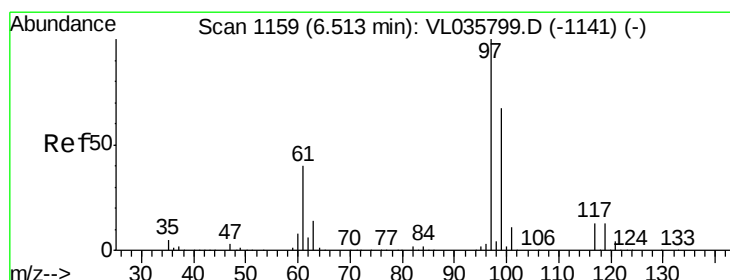
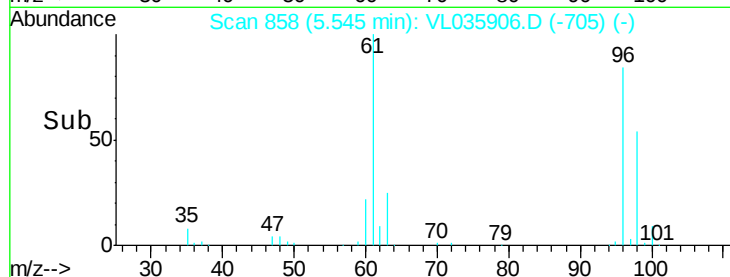
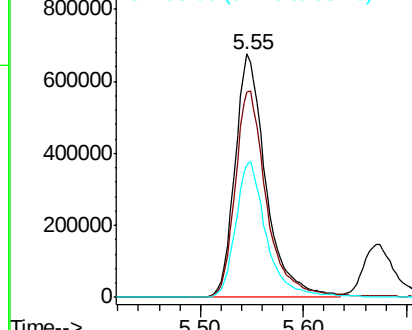
61 100

96 84.0 70.3 105.5

98 54.1 45.0 67.6



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: 8.830 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

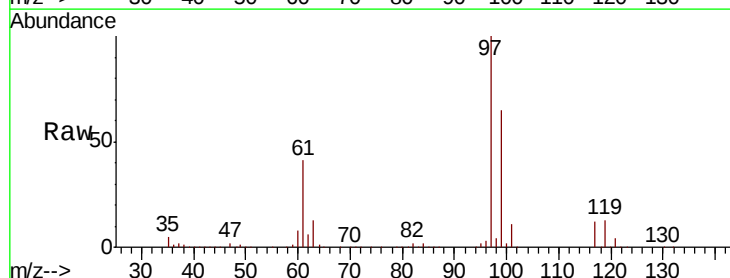
Tgt Ion: 97 Resp: 2529551

Ion Ratio Lower Upper

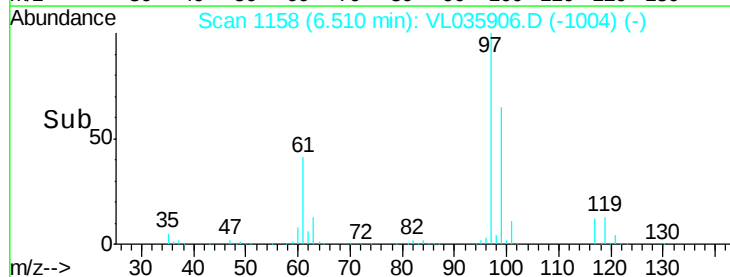
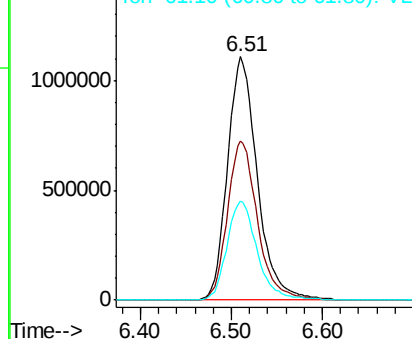
97 100

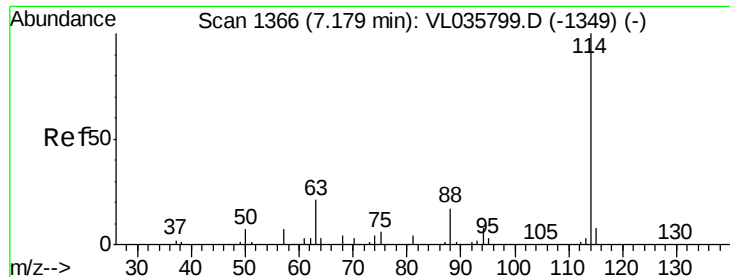
99 65.9 52.3 78.5

61 41.0 32.0 48.0



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

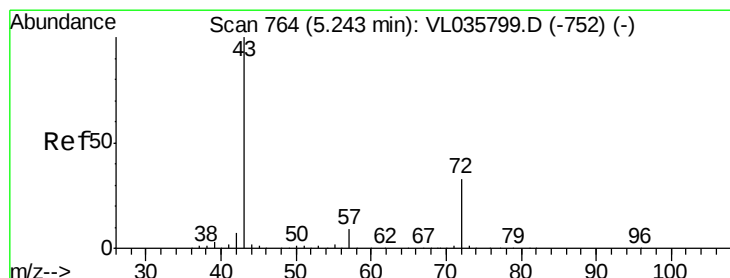
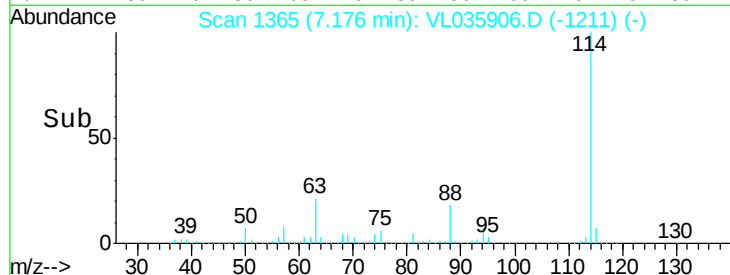
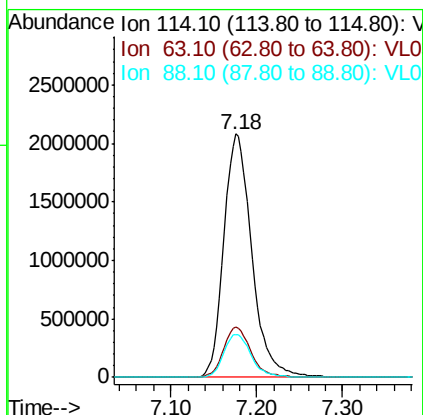
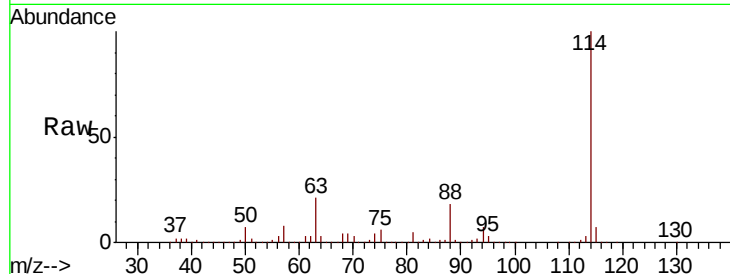




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

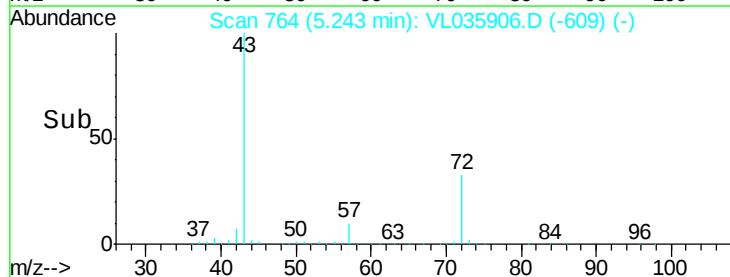
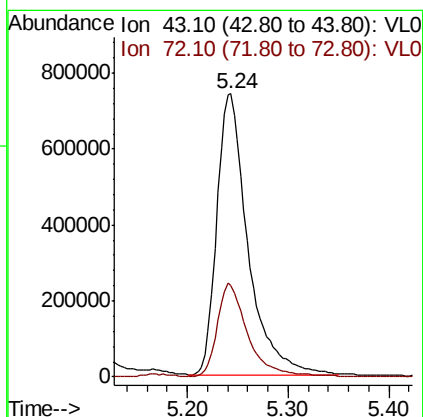
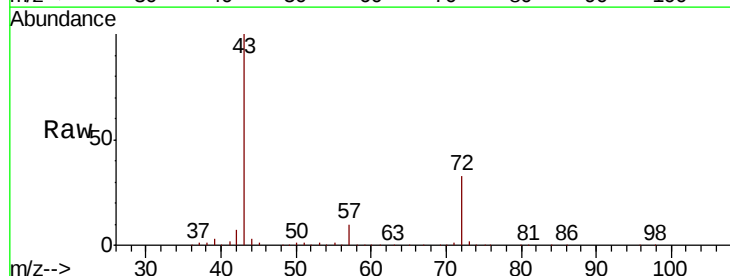
Instrument :
 MSVOA_W
 ClientSampled :

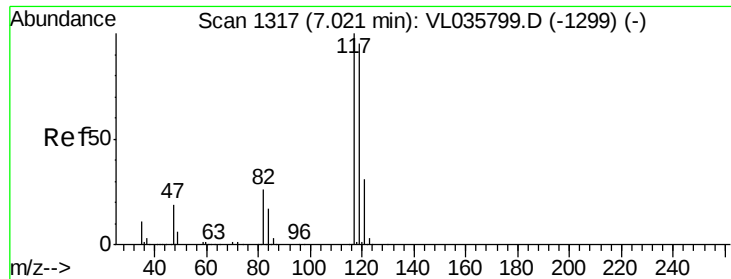
Tot Ion:114 Resp: 4723130
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.1 24.1
 88 17.3 13.7 20.5



#34
 2-Butanone
 Concen: 10.396 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 43 Resp: 1593510
 Ion Ratio Lower Upper
 43 100
 72 32.9 26.5 39.7





#35

Carbon Tetrachloride

Concen: 9.930 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

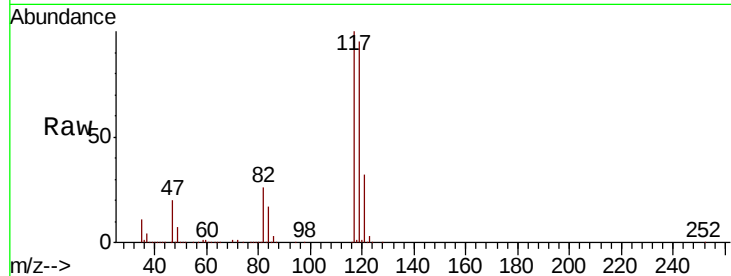
Tot Ion:117 Resp: 2505889

Ion Ratio Lower Upper

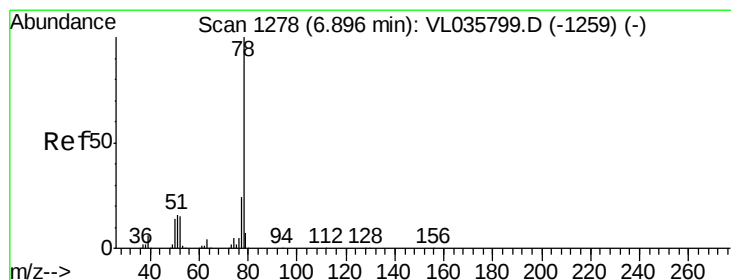
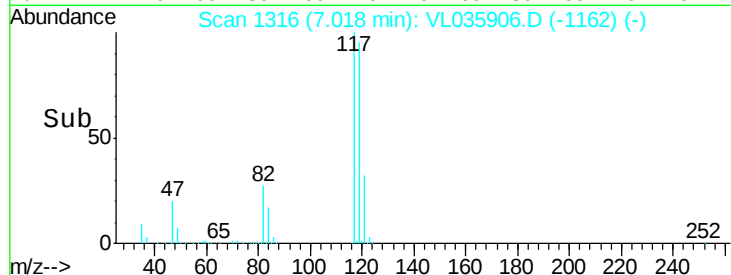
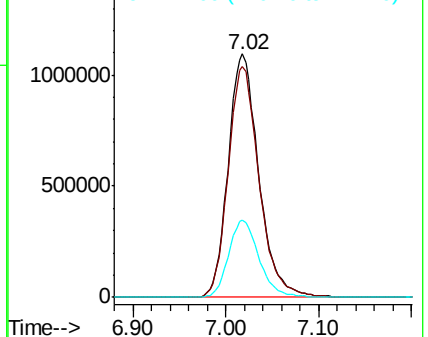
117 100

119 94.9 75.6 113.4

121 31.7 25.1 37.7



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: 9.512 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

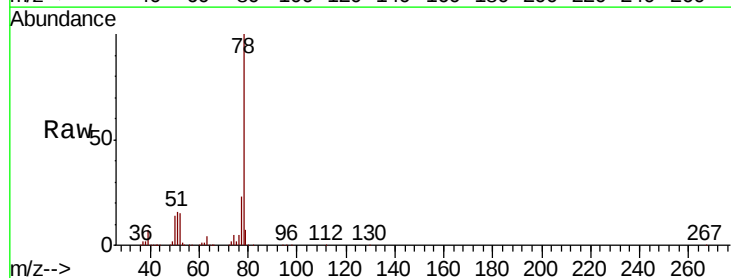
Tgt Ion: 78 Resp: 3339957

Ion Ratio Lower Upper

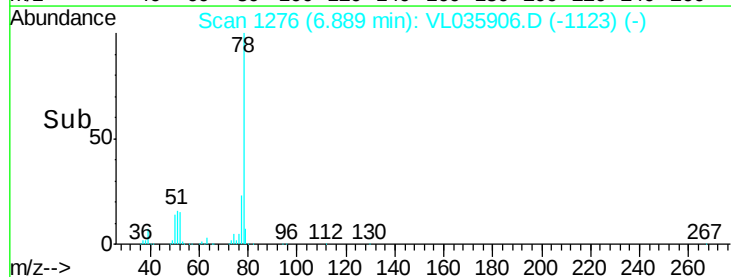
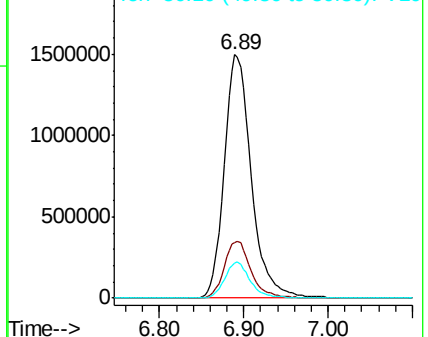
78 100

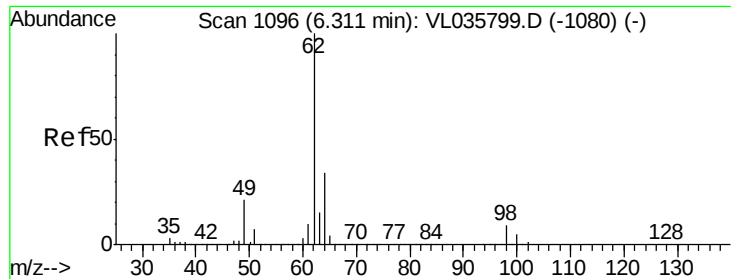
77 22.7 19.3 28.9

50 14.3 11.4 17.2



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

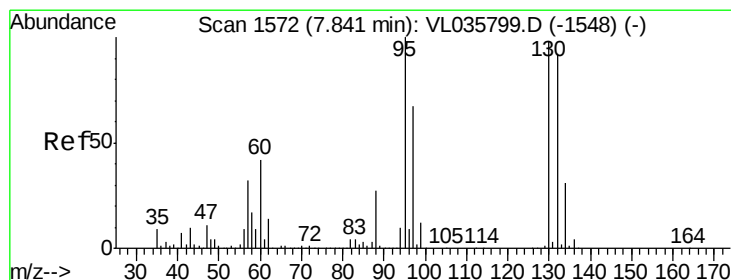
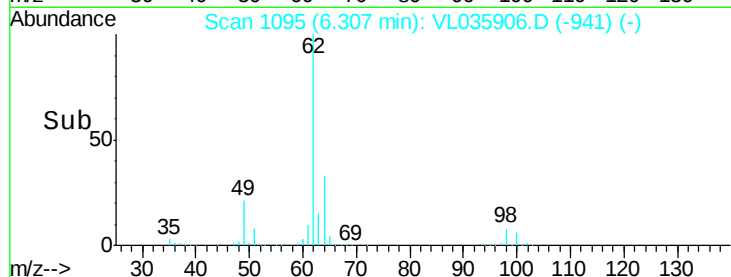
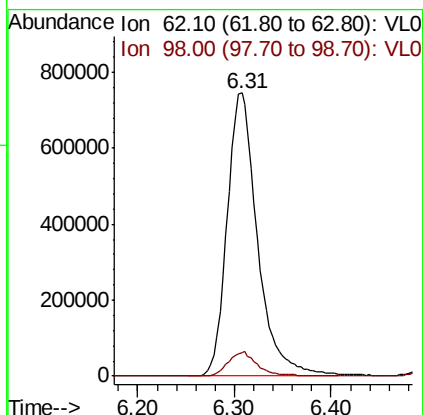
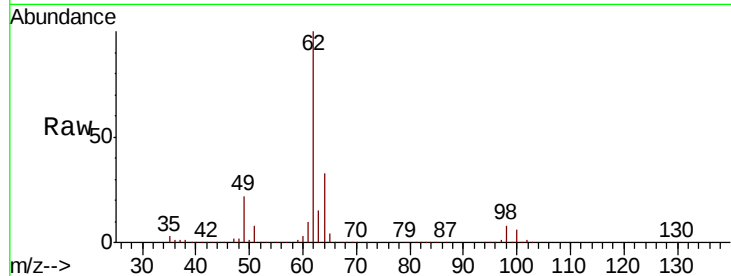




#37
1,2-Dichloroethane
Concen: 10.251 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

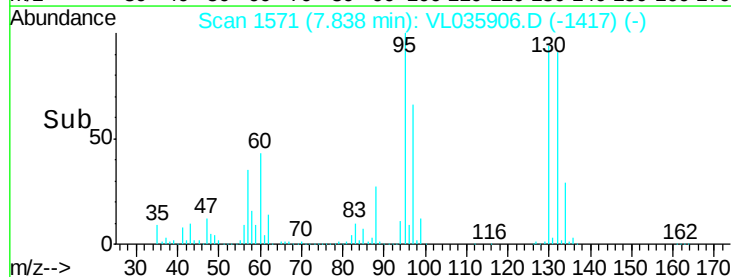
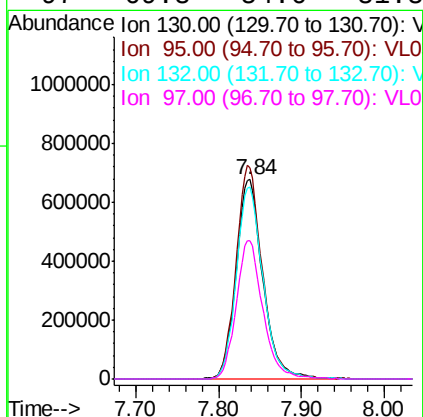
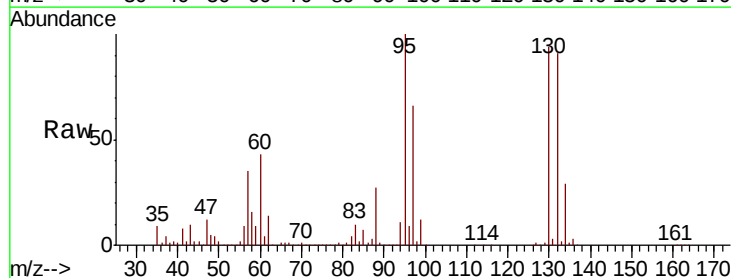
Instrument :
MSVOA_W
ClientSampleId :

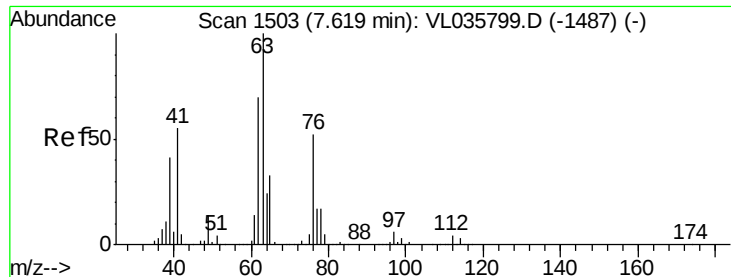
Tot Ion: 62 Resp: 1630731
Ion Ratio Lower Upper
62 100
98 8.5 6.9 10.3



#38
Trichloroethene
Concen: 8.853 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 130 Resp: 1518307
Ion Ratio Lower Upper
130 100
95 106.1 81.6 122.4
132 96.3 75.1 112.7
97 69.8 54.6 81.8



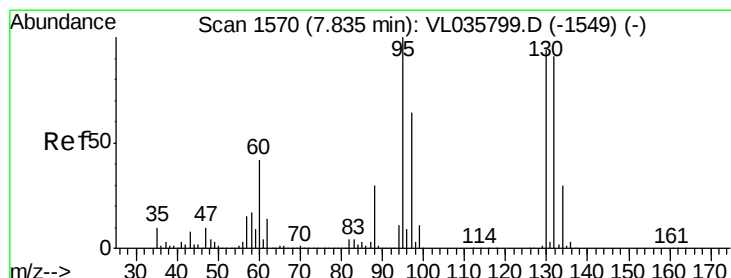
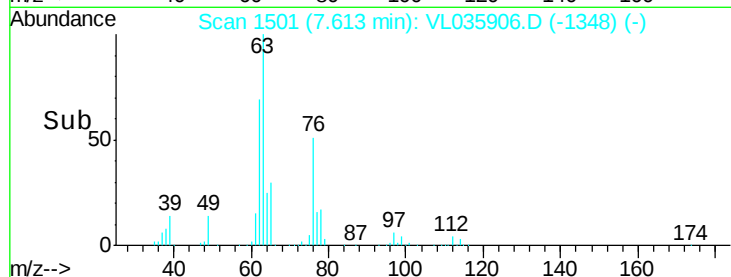
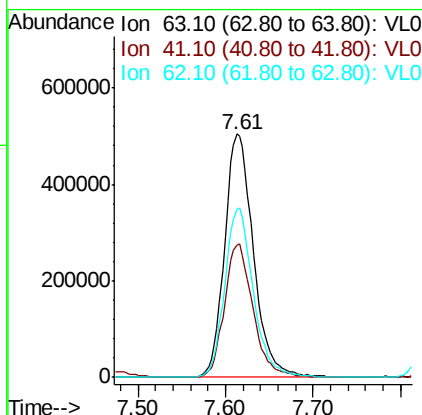
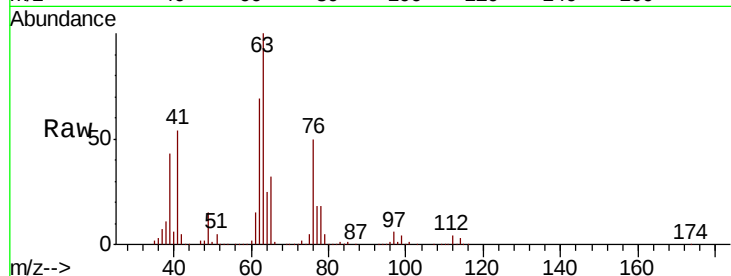


#39
 1,2-Dichloropropane
 Concen: 9.759 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 1153687

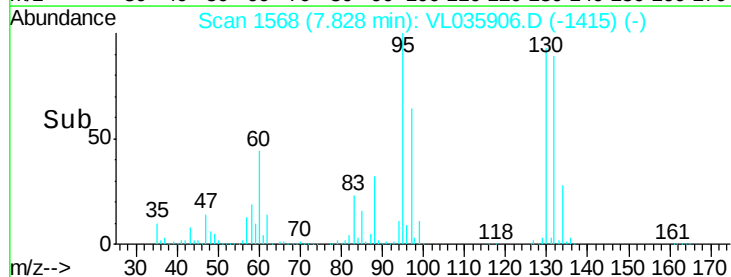
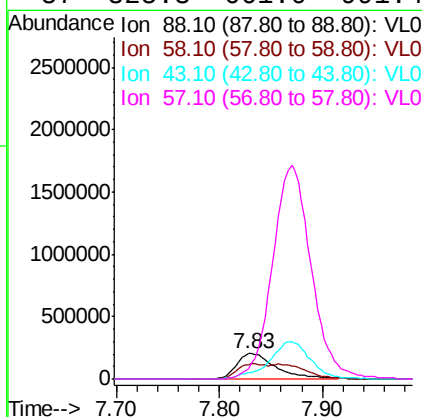
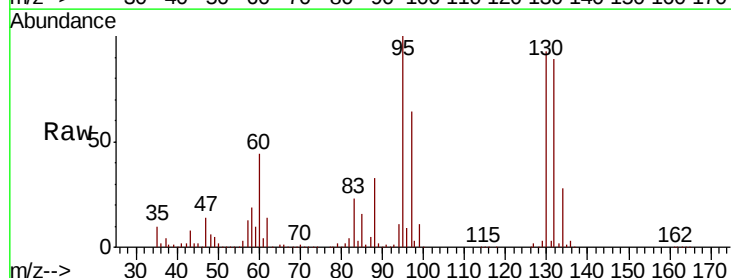
Ion	Ratio	Lower	Upper
63	100		
41	54.3	43.8	65.6
62	68.8	56.2	84.2

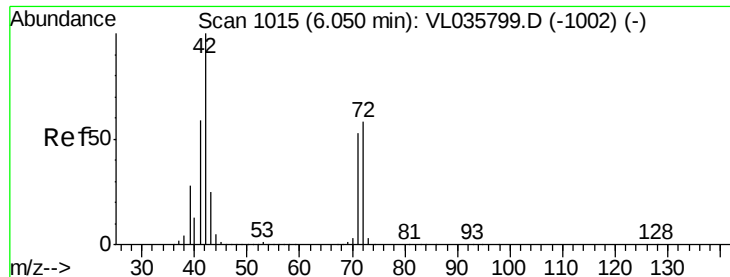


#40
 1,4-Dioxane
 Concen: 9.709 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 88 Resp: 544007

Ion	Ratio	Lower	Upper
88	100		
58	95.8	76.2	114.2
43	154.4	123.1	184.7
57	825.3	661.0	991.4





#41

Tetrahydrofuran

Concen: 10.822 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

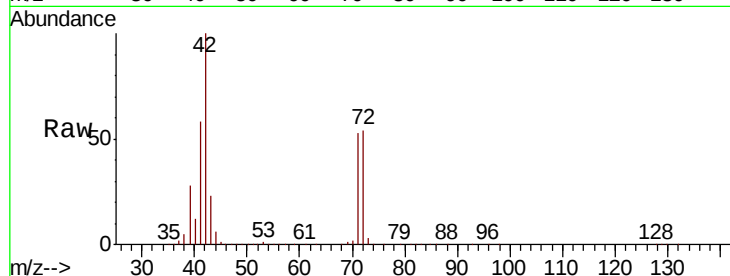
Tot Ion: 42 Resp: 942453

Ion Ratio Lower Upper

42 100

72 56.6 45.4 68.0

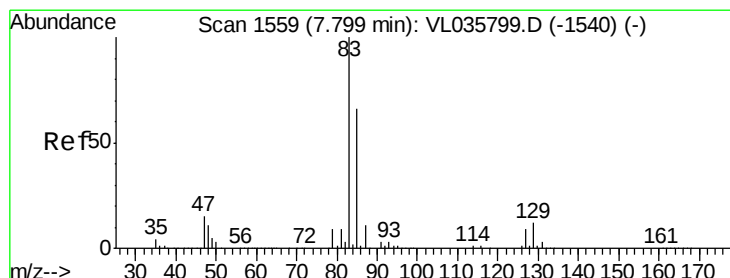
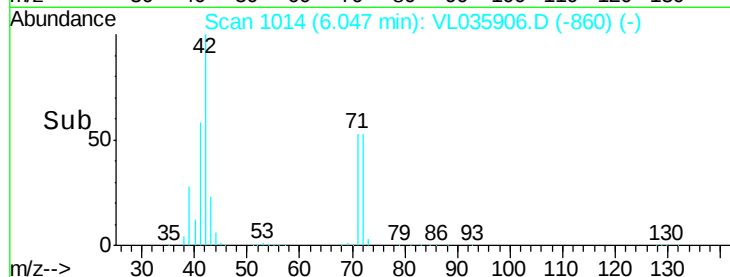
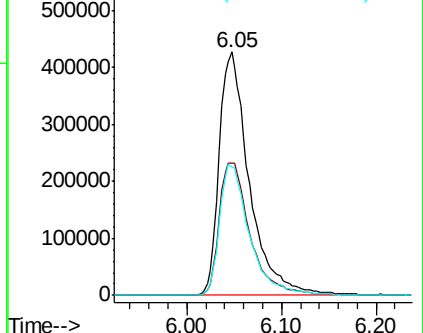
71 54.1 43.4 65.2



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: 9.967 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

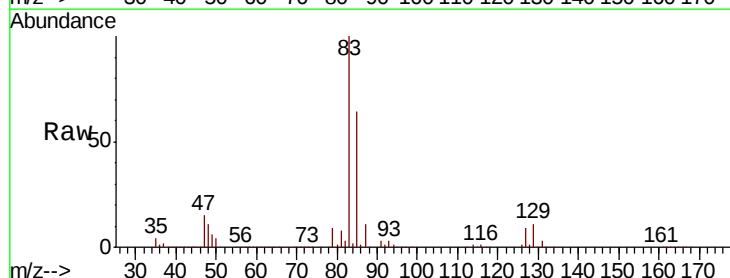
Tgt Ion: 83 Resp: 2675249

Ion Ratio Lower Upper

83 100

85 64.0 53.1 79.7

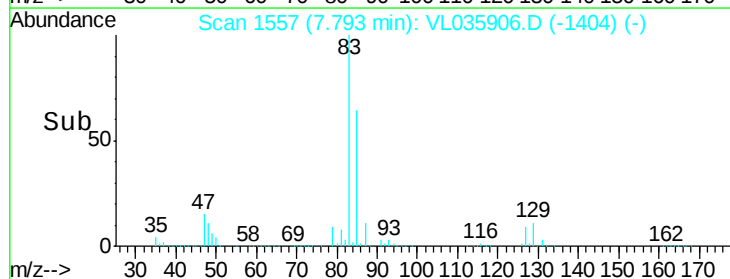
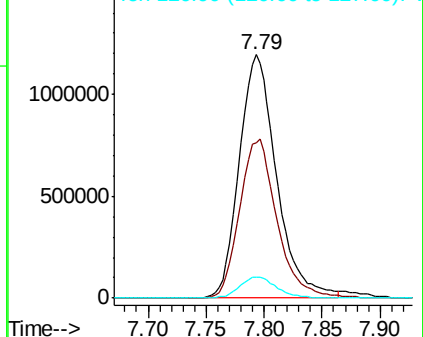
127 8.8 7.3 10.9

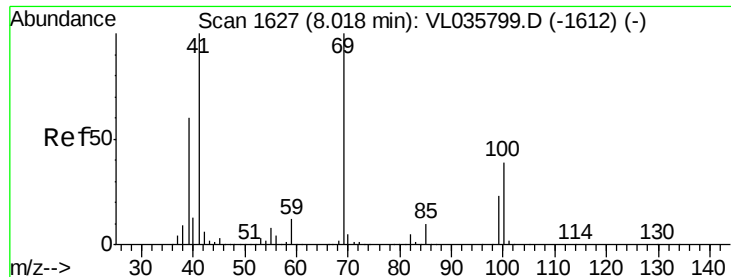


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

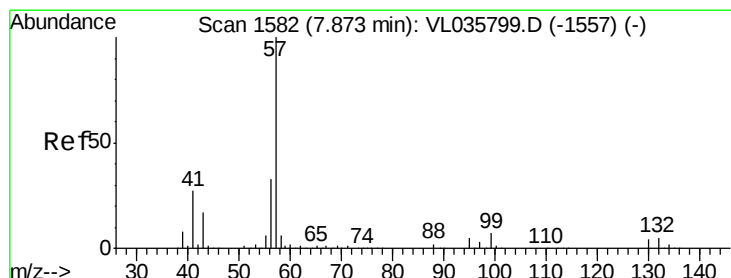
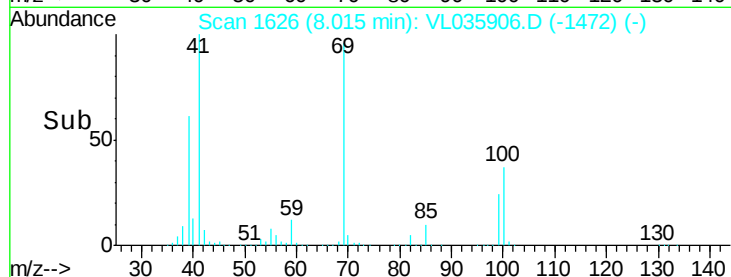
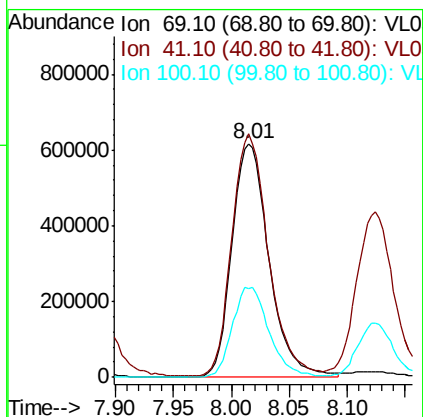
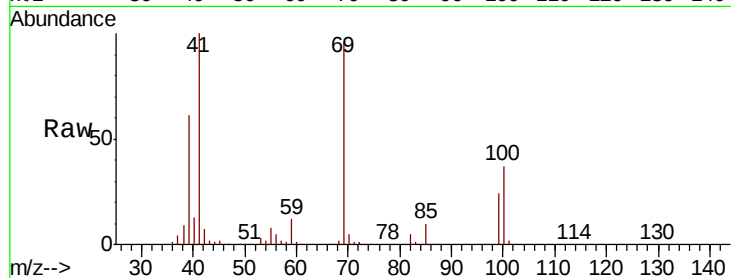




#43
Methvl Methacrilate
Concen: 10.215 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

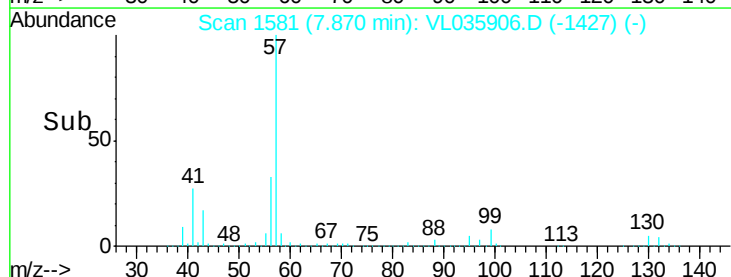
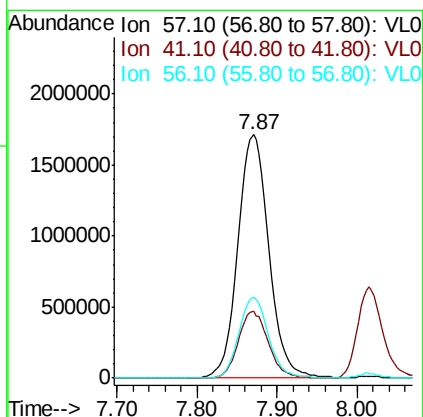
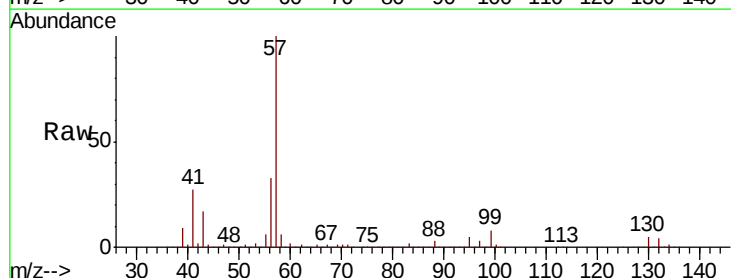
Instrument :
MSVOA_W
ClientSampleId :

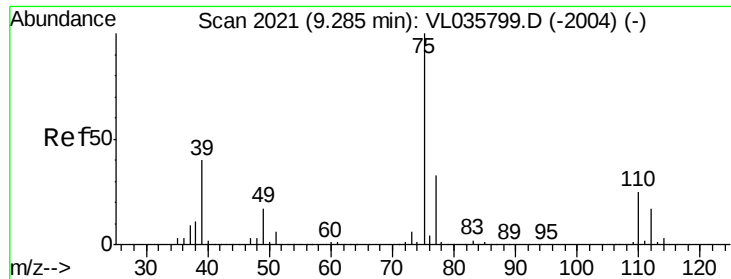
Tot Ion: 69 Resp: 1368089
Ion Ratio Lower Upper
69 100
41 103.5 81.1 121.7
100 38.5 31.0 46.4



#44
2,2,4-Trimethylpentane
Concen: 9.657 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 57 Resp: 4487302
Ion Ratio Lower Upper
57 100
41 26.3 21.0 31.4
56 31.6 25.4 38.0

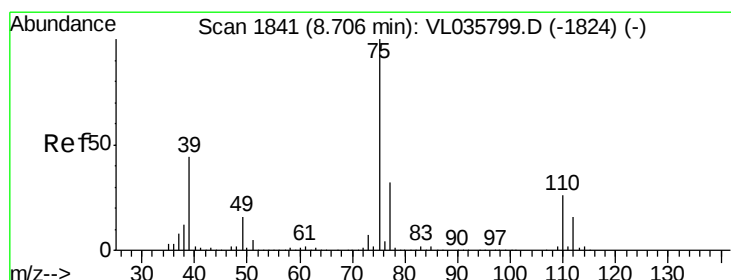
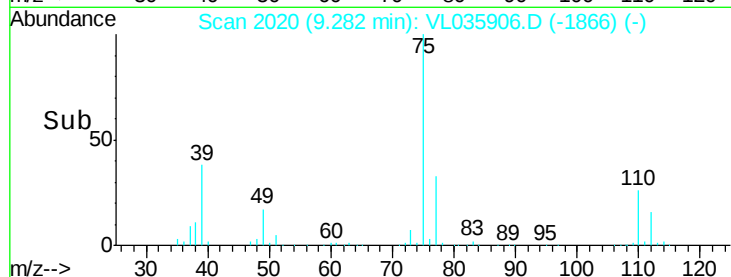
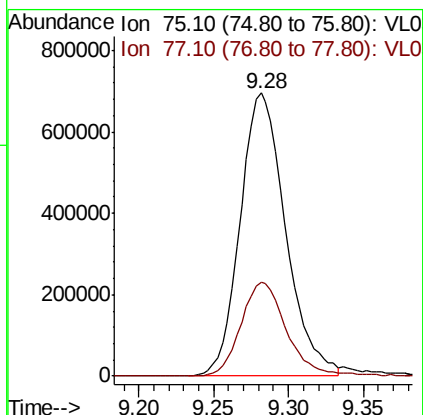
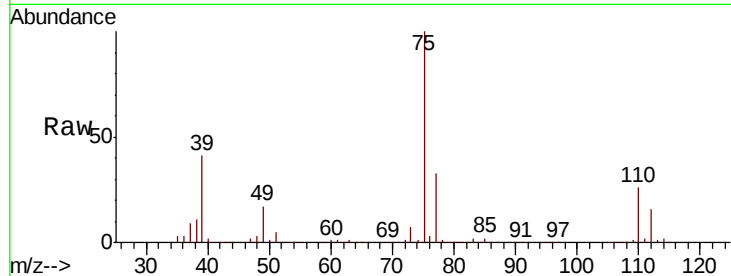




#45
 t-1,3-Dichloropropene
 Concen: 10.352 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

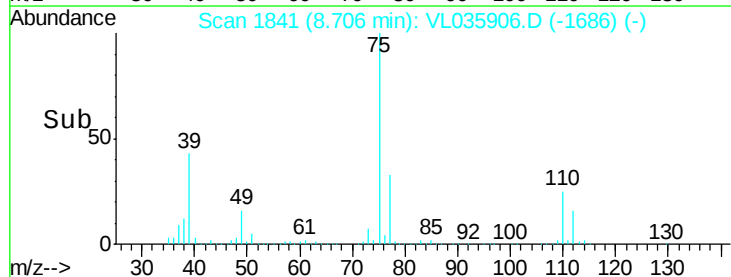
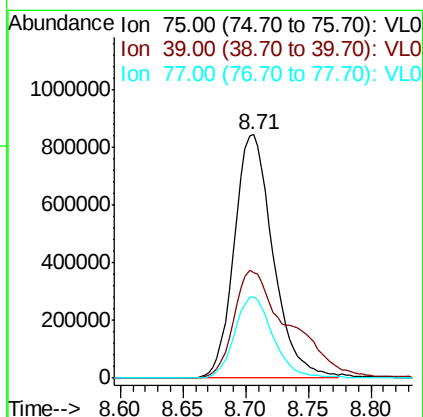
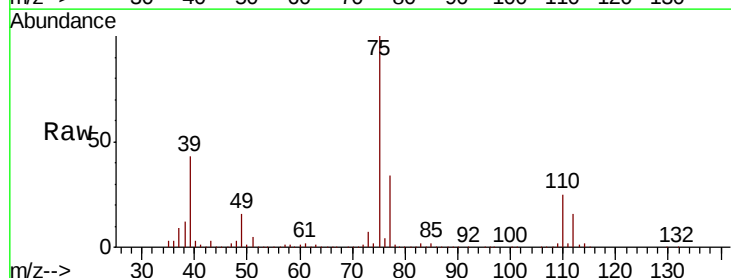
Instrument :
 MSVOA_W
 ClientSampleId :

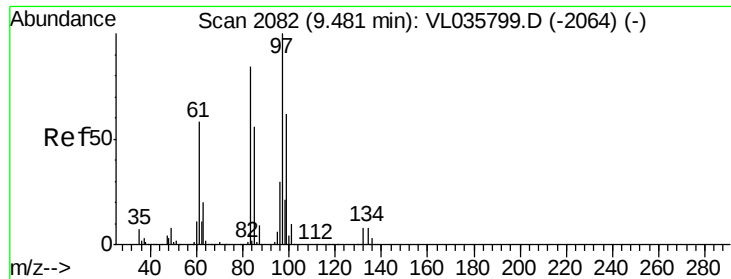
Tot Ion: 75 Resp: 1469846
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.4 39.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.125 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 75 Resp: 1820675
 Ion Ratio Lower Upper
 75 100
 39 43.3 35.1 52.7
 77 33.5 25.7 38.5

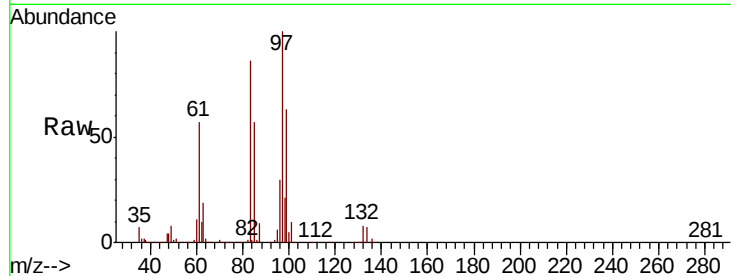




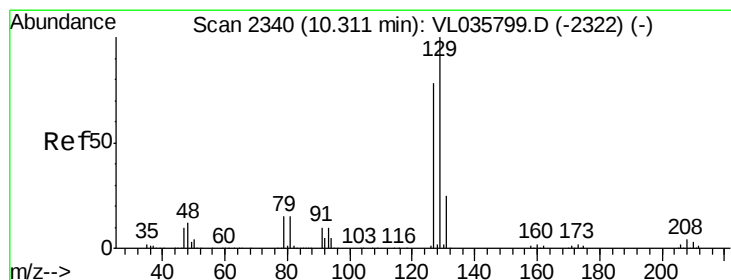
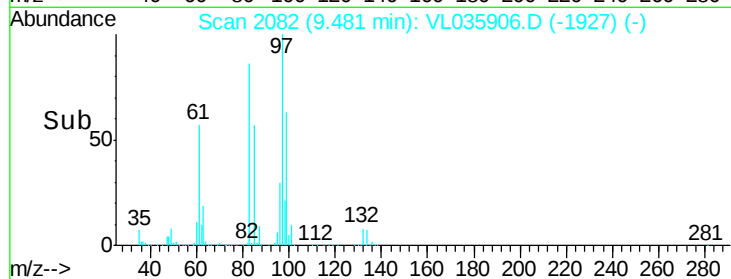
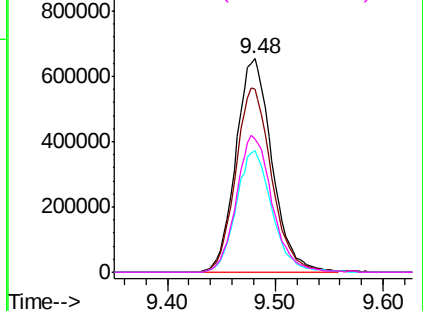
#47
 1,1,2-Trichloroethane
 Concen: 9.483 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 97 Resp: 1527592
 Ion Ratio Lower Upper
 97 100
 83 85.7 67.1 100.7
 85 56.9 44.7 67.1
 99 62.6 49.7 74.5

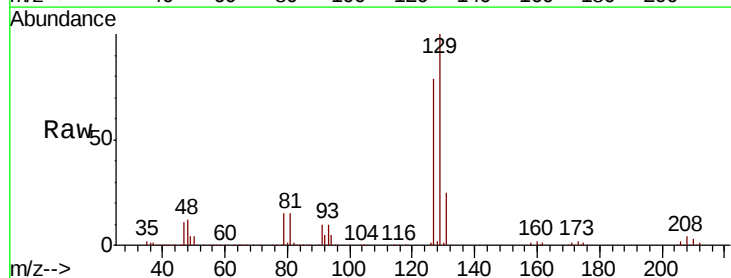


Abundance Ion 97.00 (96.70 to 97.70): VL0
 1000000 Ion 83.00 (82.70 to 83.70): VL0
 800000 Ion 85.00 (84.70 to 85.70): VL0
 600000 Ion 99.00 (98.70 to 99.70): VL0

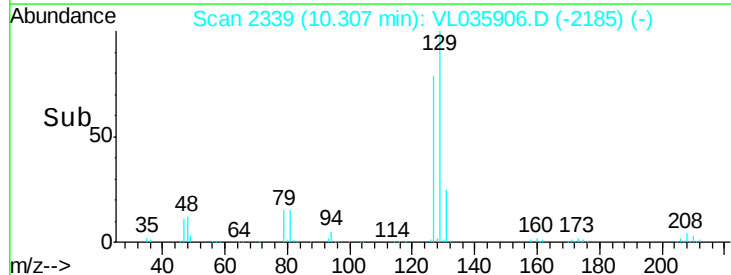
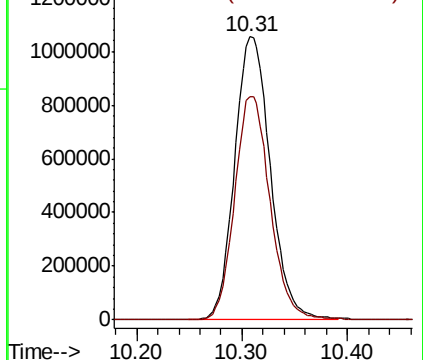


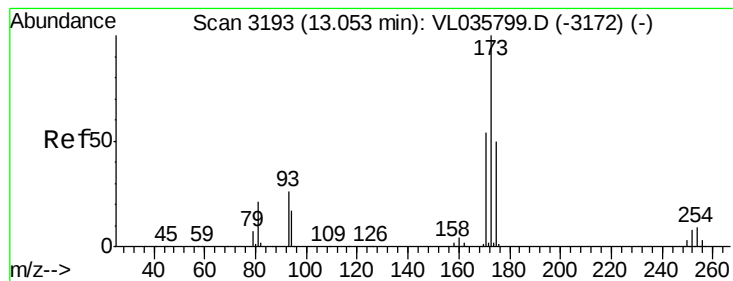
#48
 Dibromochloromethane
 Concen: 10.087 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 129 Resp: 2482343
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V
 1200000 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.123 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

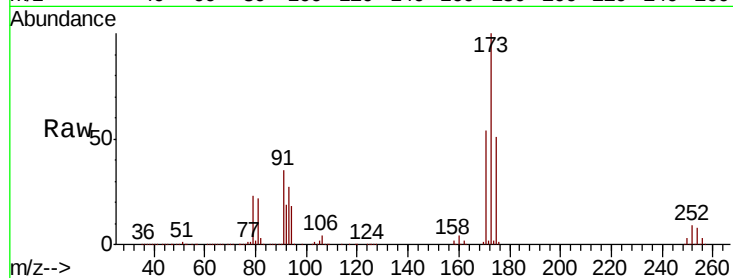
Tot Ion:173 Resp: 2102073

Ion Ratio Lower Upper

173 100

175 50.1 40.1 60.1

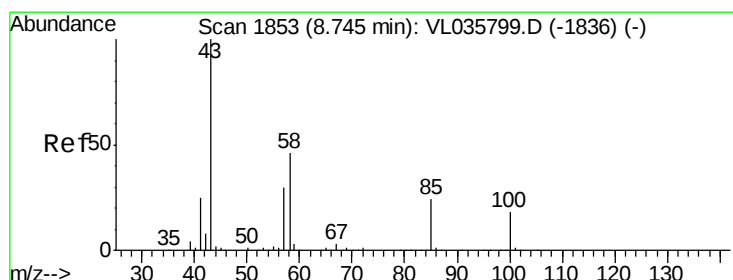
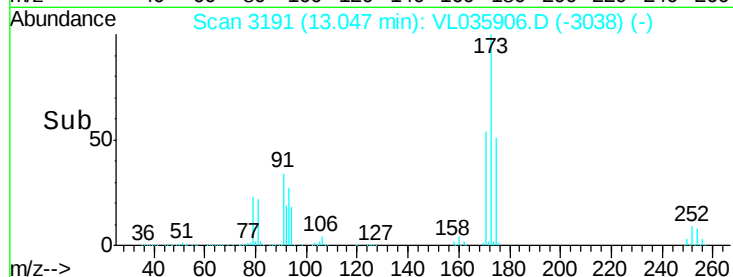
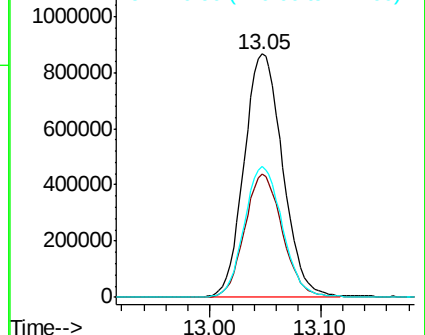
171 53.5 42.6 63.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.368 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL035906.D

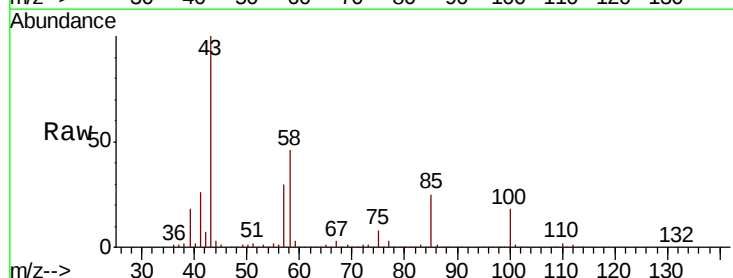
Acq: 11 Nov 2020 10:08

Tgt Ion: 43 Resp: 2430213

Ion Ratio Lower Upper

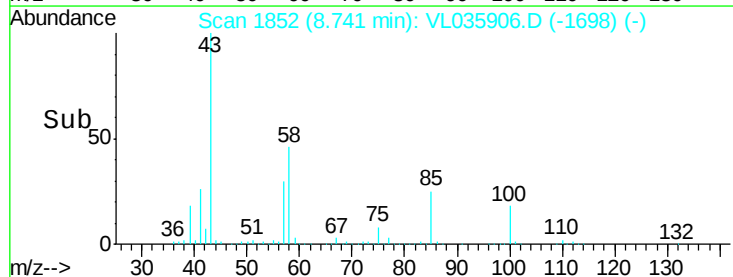
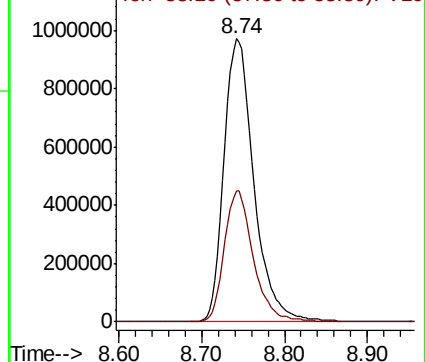
43 100

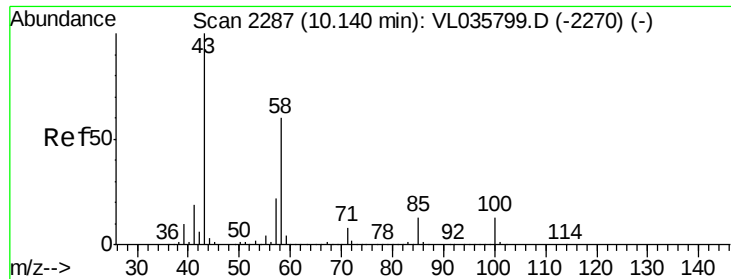
58 45.0 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

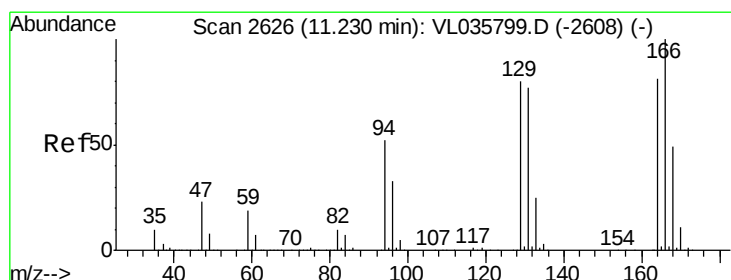
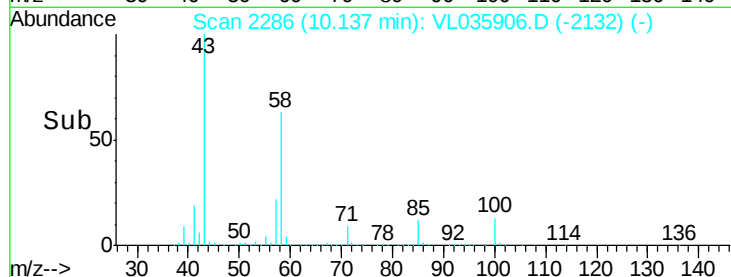
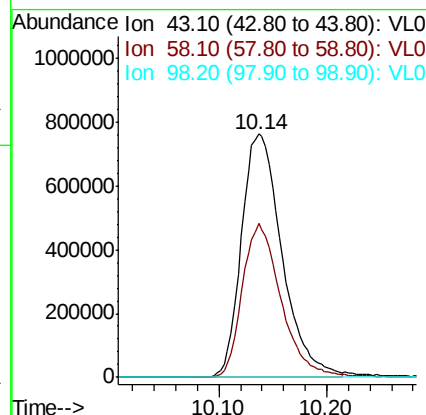
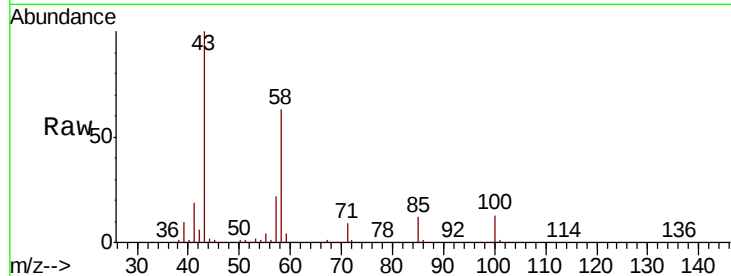




#51
2-Hexanone
Concen: 10.595 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

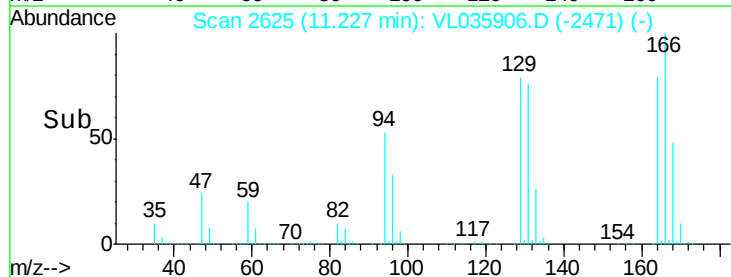
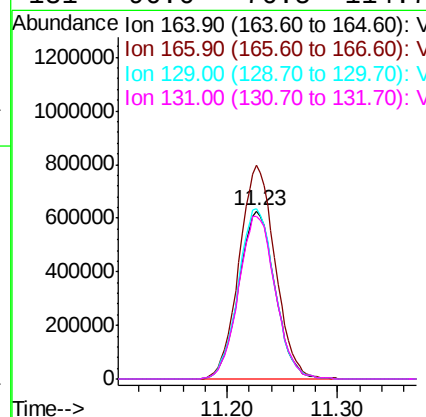
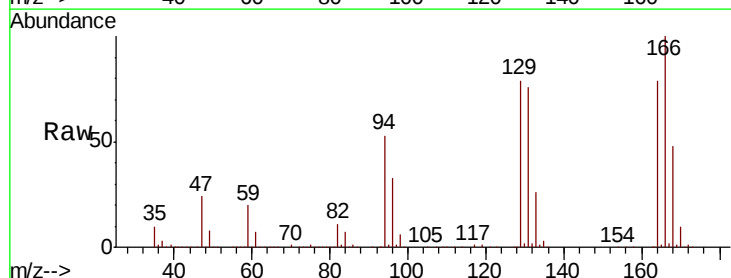
Instrument :
MSVOA_W
ClientSampled :

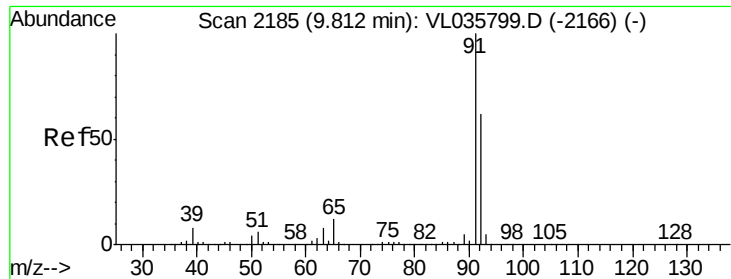
Tot Ion: 43 Resp: 1994919
Ion Ratio Lower Upper
43 100
58 61.3 48.3 72.5
98 0.5 0.6 0.8#



#52
Tetrachloroethene
Concen: 8.553 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 164 Resp: 1422922
Ion Ratio Lower Upper
164 100
166 126.9 99.3 148.9
129 100.8 79.3 118.9
131 96.6 76.5 114.7





#53

Toluene

Concen: 9.502 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

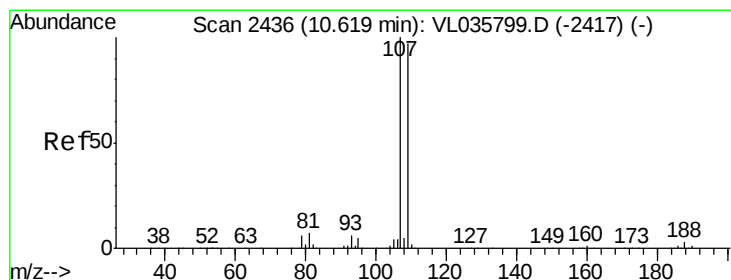
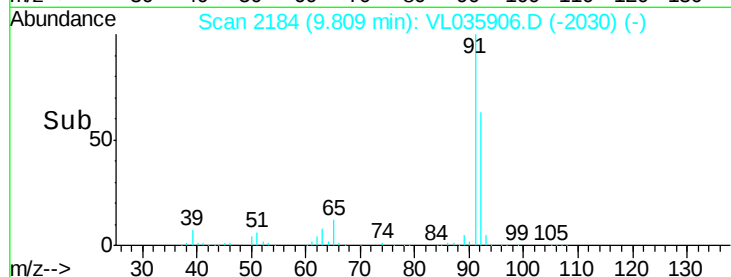
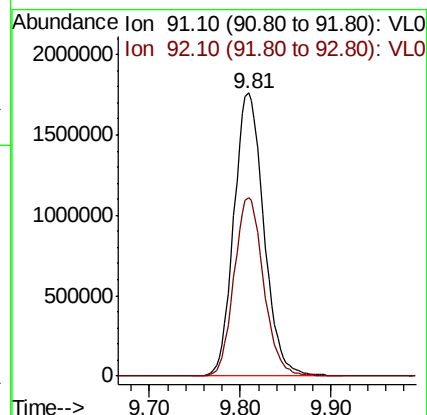
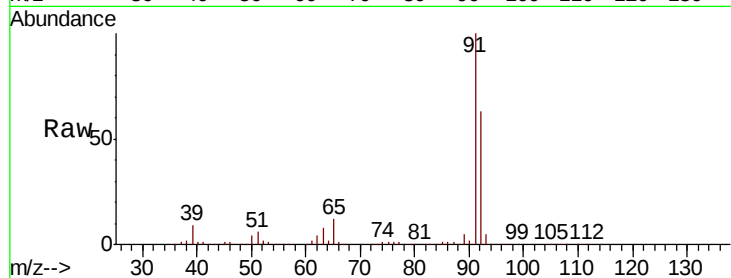
ClientSampleId :

Tot Ion: 91 Resp: 4026051

Ion Ratio Lower Upper

91 100

92 62.4 49.8 74.6



#54

1,2-Dibromoethane

Concen: 9.590 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL035906.D

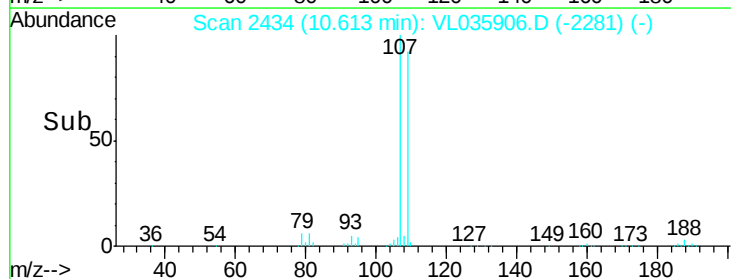
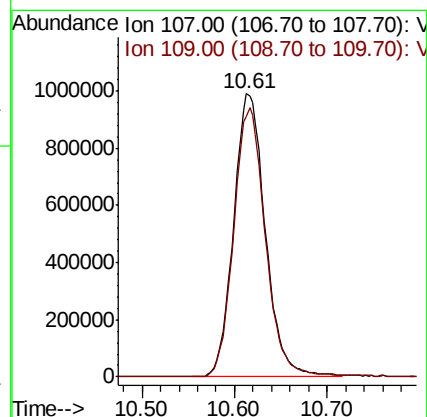
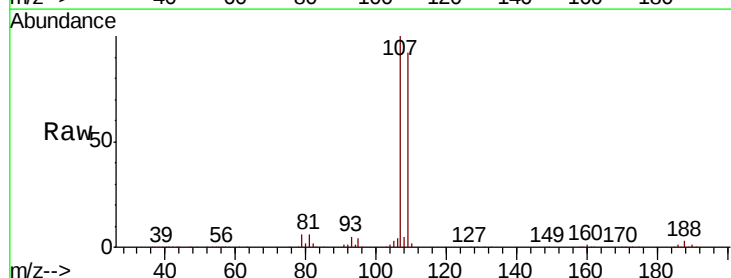
Acq: 11 Nov 2020 10:08

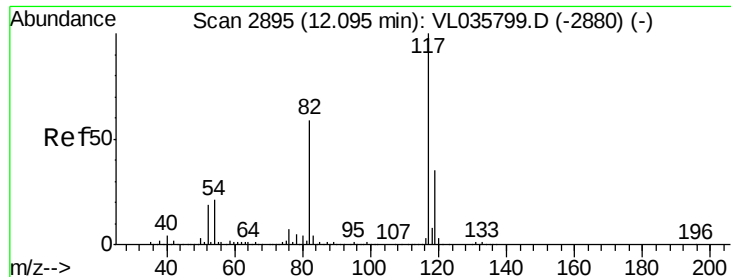
Tgt Ion: 107 Resp: 2349369

Ion Ratio Lower Upper

107 100

109 92.2 77.2 115.8

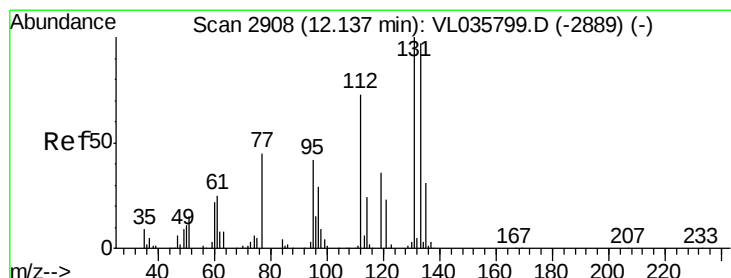
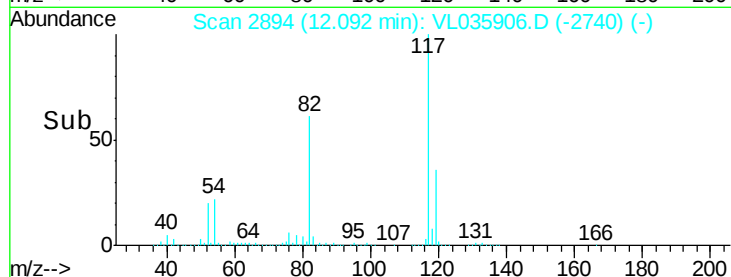
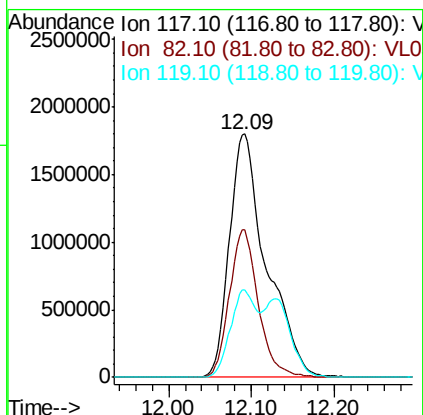
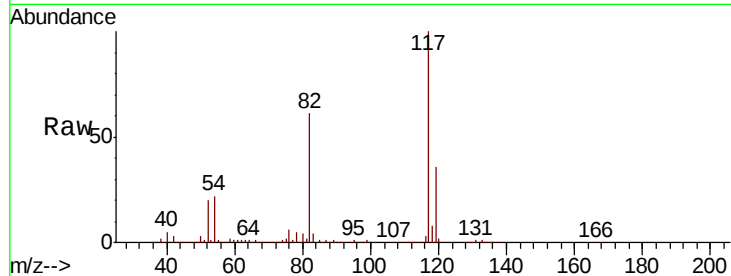




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

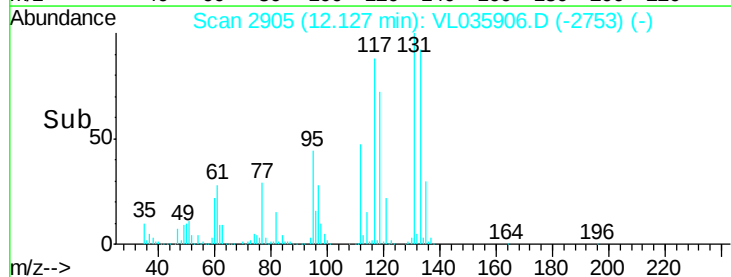
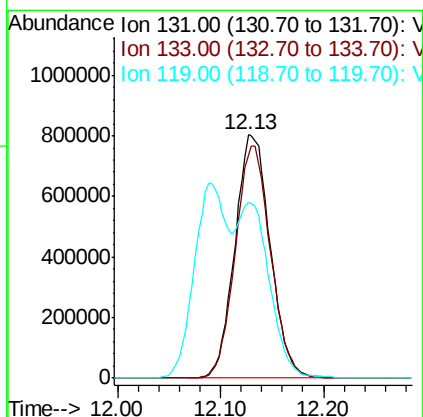
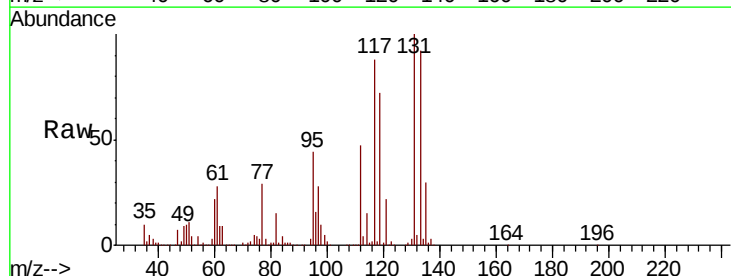
Instrument :
MSVOA_W
ClientSampleId :

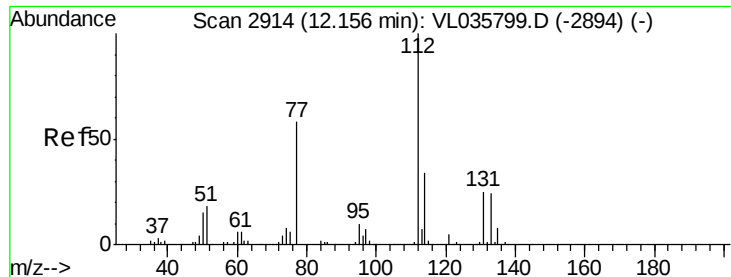
Tot Ion:117 Resp: 5600595
Ion Ratio Lower Upper
117 100
82 47.6 50.6 76.0#
119 26.0 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.628 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion:131 Resp: 1917461
Ion Ratio Lower Upper
131 100
133 95.1 76.8 115.2
119 72.3 47.4 71.0#

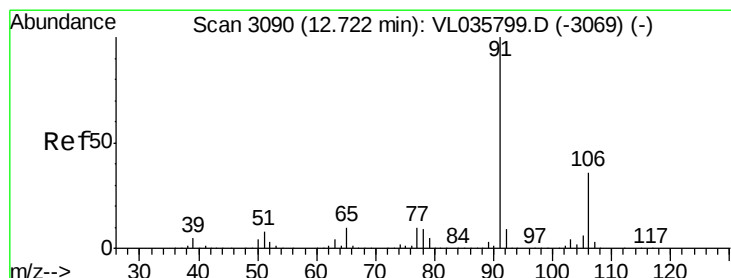
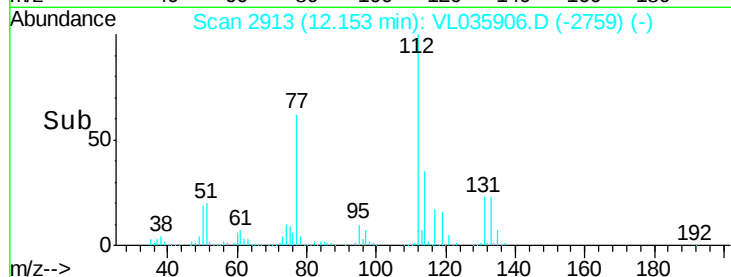
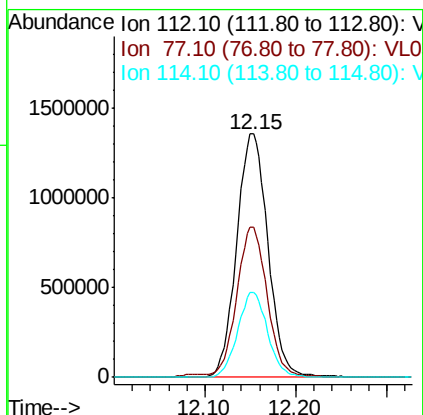
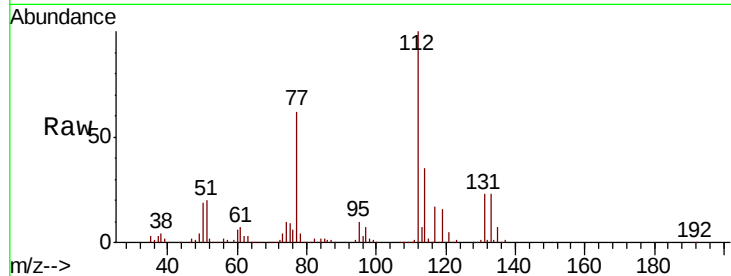




#57
Chlorobenzene
Concen: 7.269 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

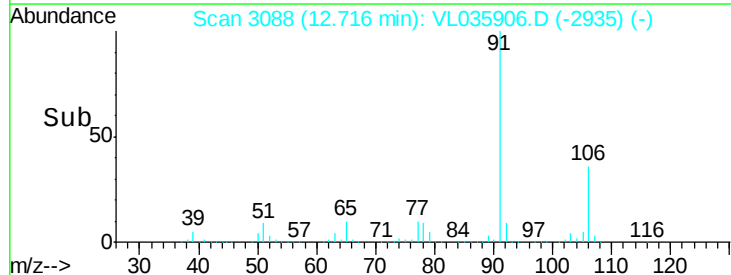
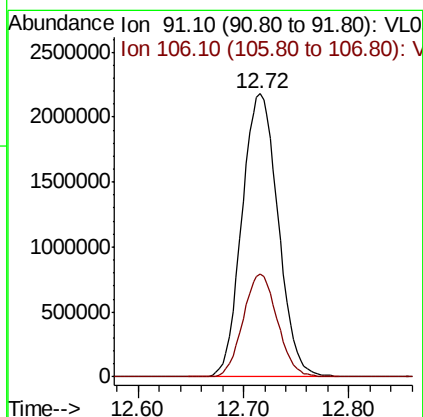
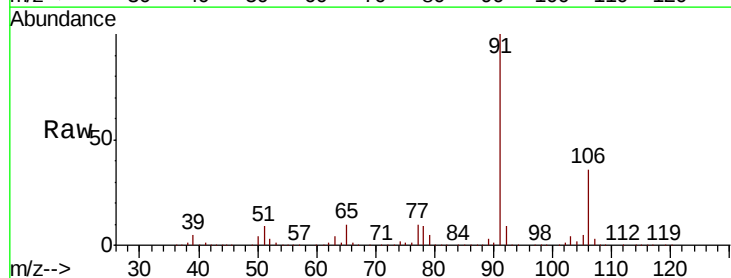
Instrument :
MSVOA_W
ClientSampleId :

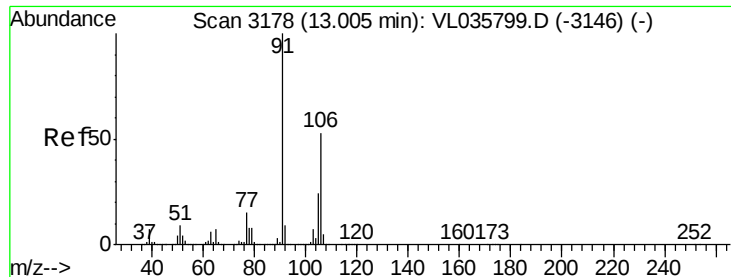
Tot Ion:112 Resp: 3236800
Ion Ratio Lower Upper
112 100
77 61.5 47.5 71.3
114 34.7 30.3 37.1



#58
Ethyl Benzene
Concen: 7.621 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 91 Resp: 5198255
Ion Ratio Lower Upper
91 100
106 36.2 28.6 43.0

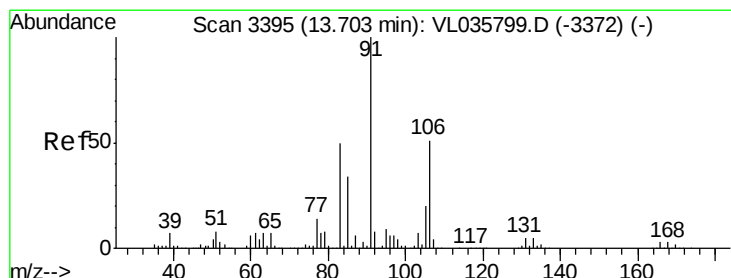
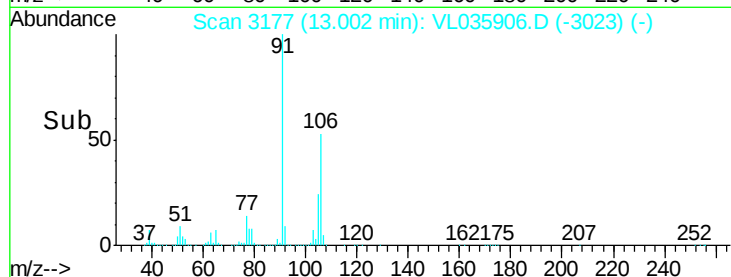
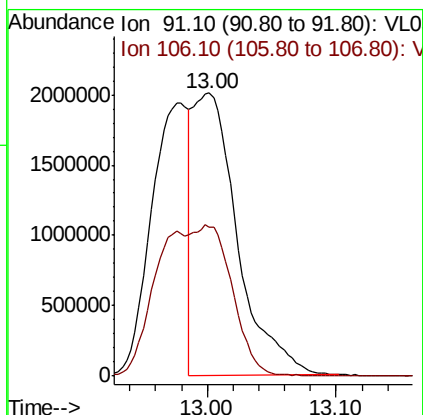
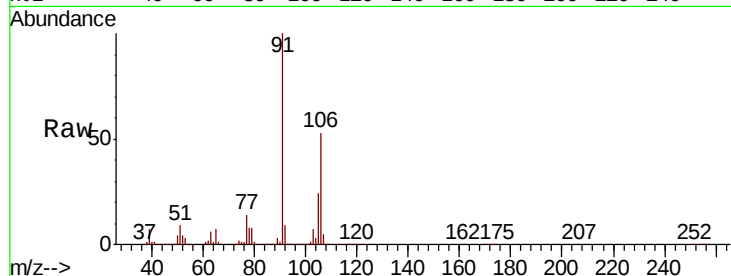




#59
m/p-Xylene
Concen: 8.313 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

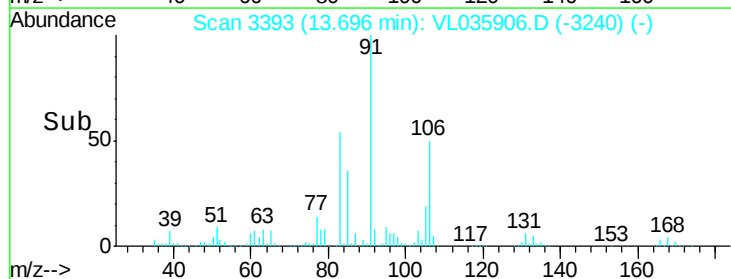
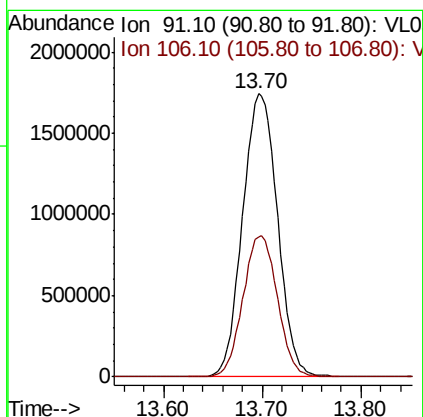
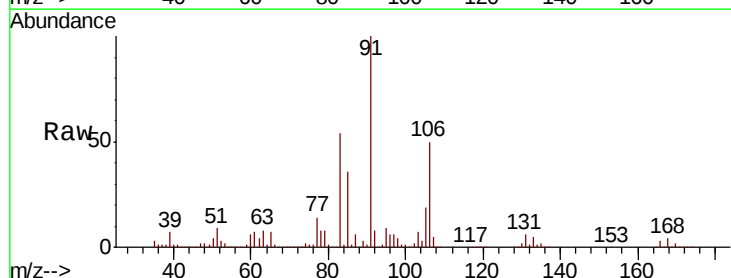
Instrument :
MSVOA_W
ClientSampled :

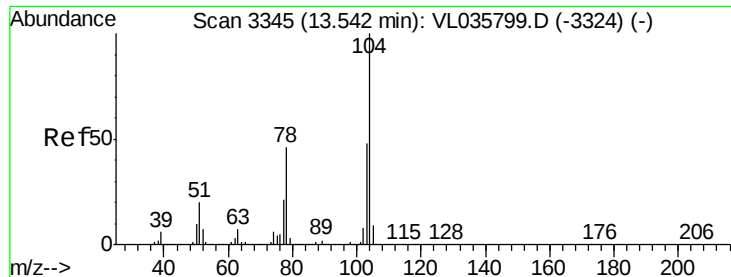
Tot Ion: 91 Resp: 4797478
Ion Ratio Lower Upper
91 100
106 89.9 39.5 59.3#



#60
o-Xylene
Concen: 7.592 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 91 Resp: 4262232
Ion Ratio Lower Upper
91 100
106 49.3 24.8 74.4

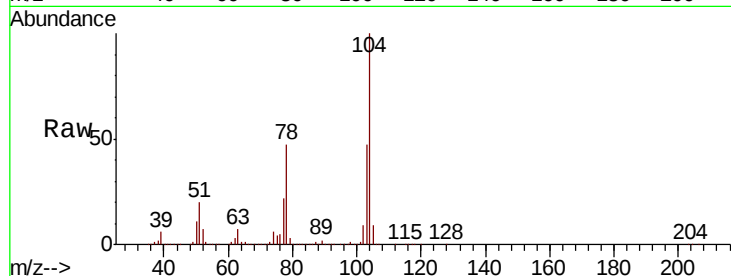




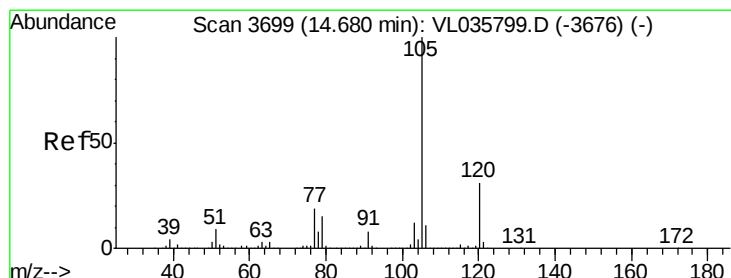
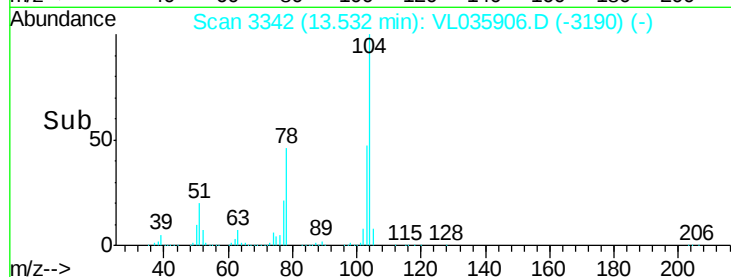
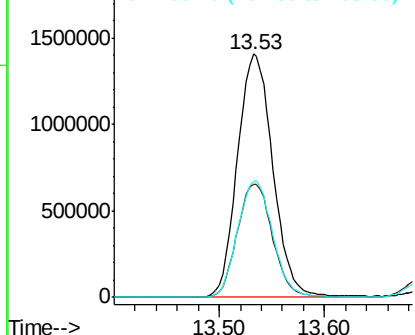
#61
Stvrene
Concen: 7.992 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:104 Resp: 3287232
Ion Ratio Lower Upper
104 100
78 46.9 37.1 55.7
103 47.7 37.9 56.9

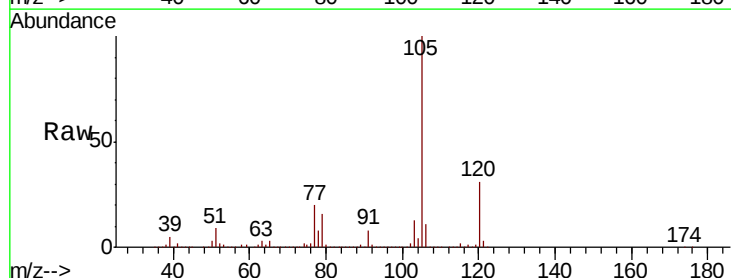


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

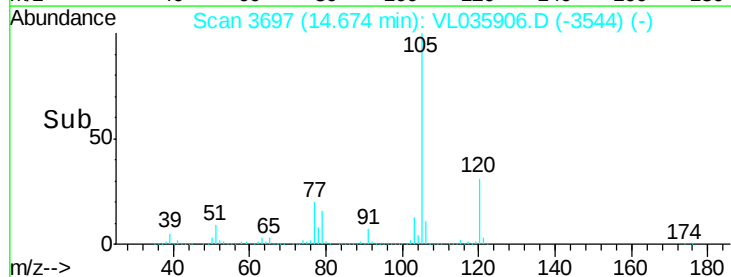
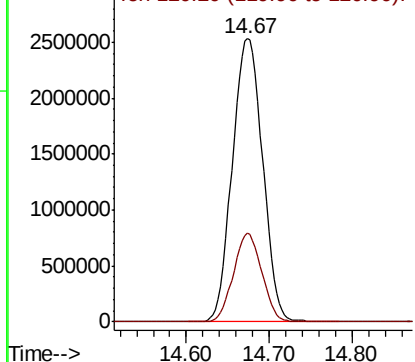


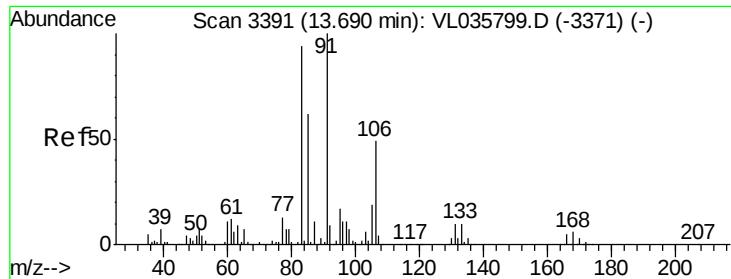
#62
Isopropylbenzene
Concen: 7.284 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion:105 Resp: 6427043
Ion Ratio Lower Upper
105 100
120 29.4 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

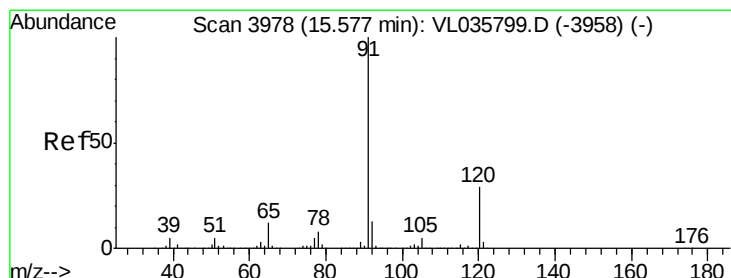
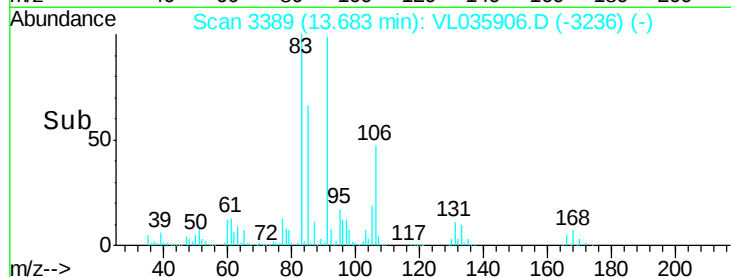
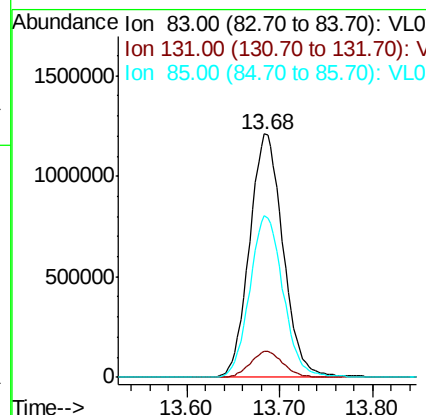
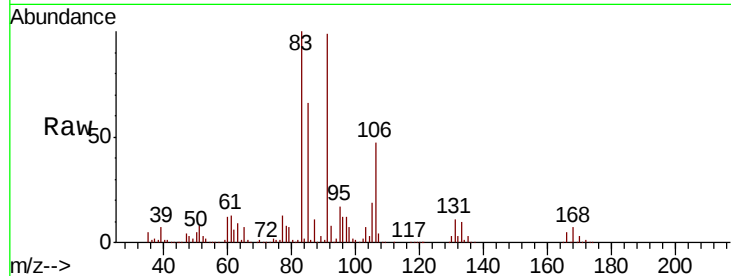




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.991 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

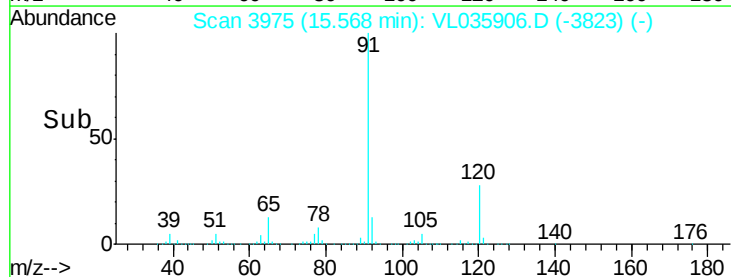
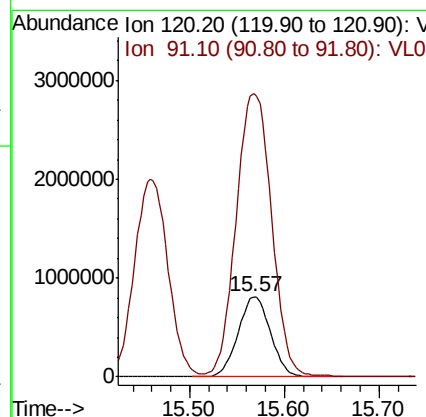
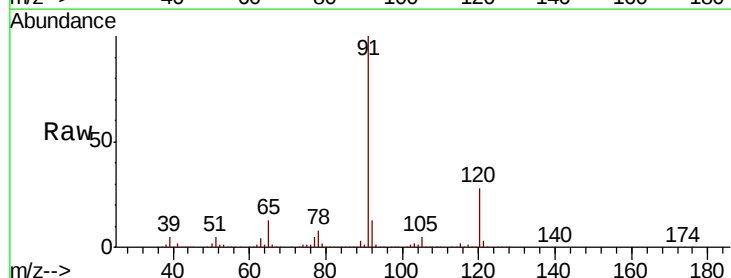
Instrument :
 MSVOA_W
 ClientSampleId :

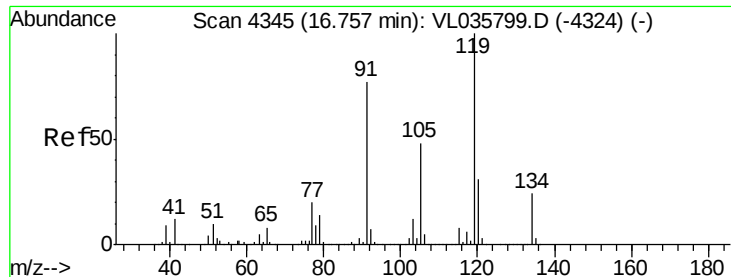
Tot Ion: 83 Resp: 3040866
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.3 15.8
 85 66.6 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.574 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion:120 Resp: 1931756
 Ion Ratio Lower Upper
 120 100
 91 387.1 311.1 466.7





#65

tert-Butylbenzene

Concen: 7.197 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

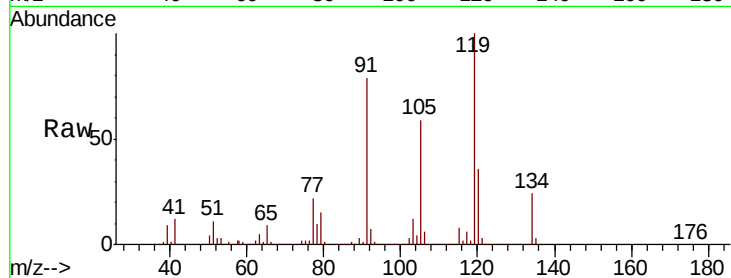
Tot Ion:119 Resp: 5780011

Ion Ratio Lower Upper

119 100

91 78.2 62.0 93.0

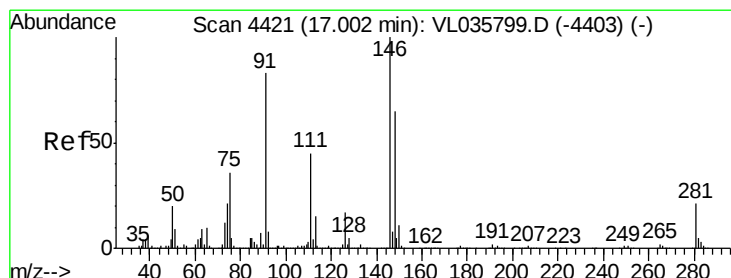
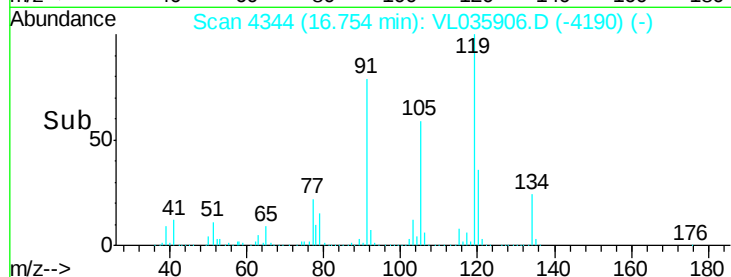
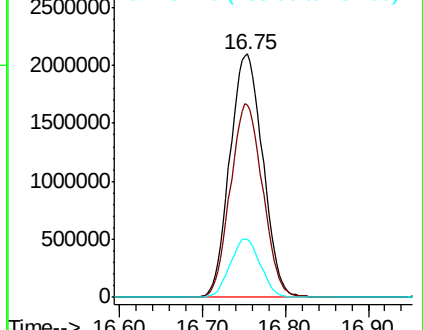
134 22.2 17.8 26.8



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: 7.940 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

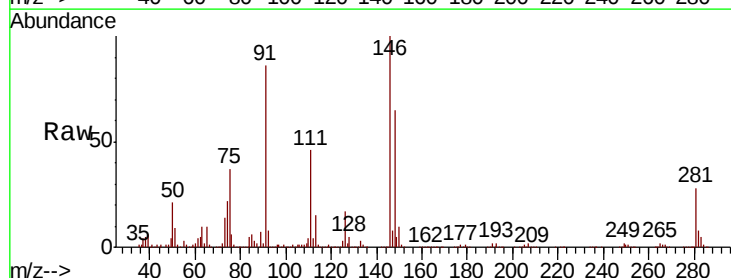
Tgt Ion: 91 Resp: 2107993

Ion Ratio Lower Upper

91 100

126 19.8 16.0 24.0

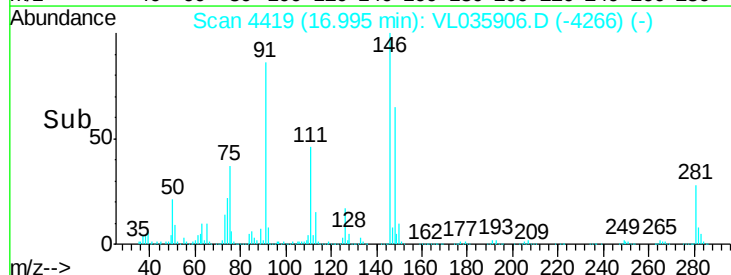
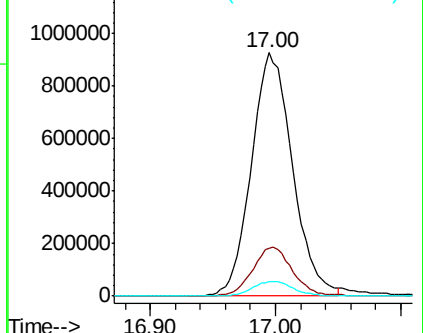
128 6.2 5.0 7.4

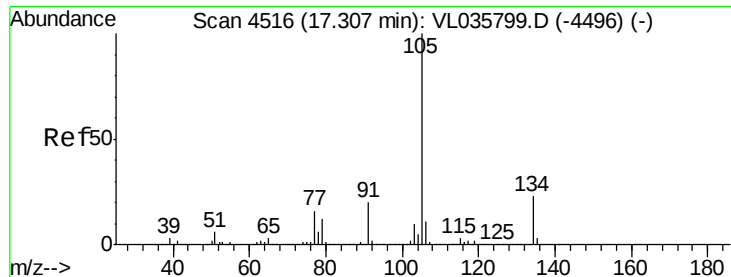


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.250 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

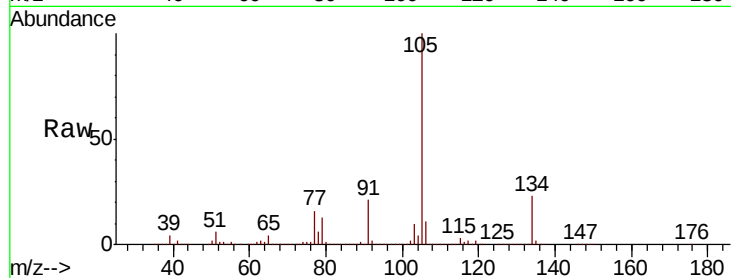
ClientSampleId :

Tot Ion: 105 Resp: 7847212

Ion Ratio Lower Upper

105 100

134 21.2 17.0 25.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.30

3000000

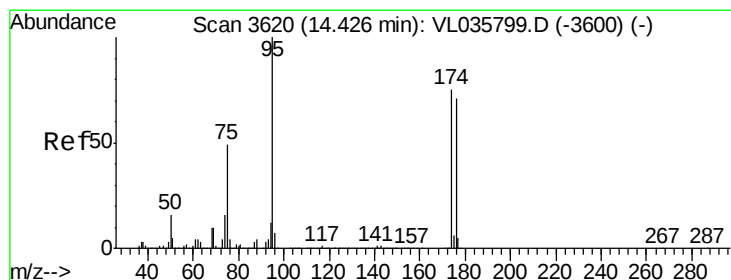
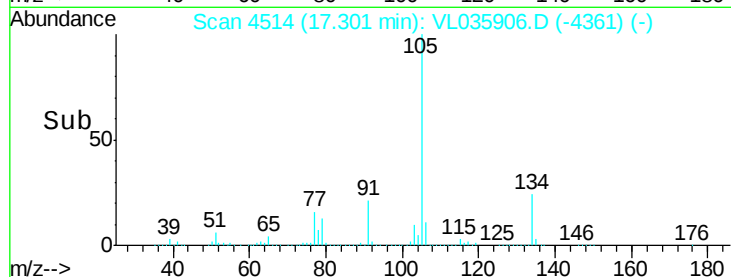
2000000

1000000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 8.344 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

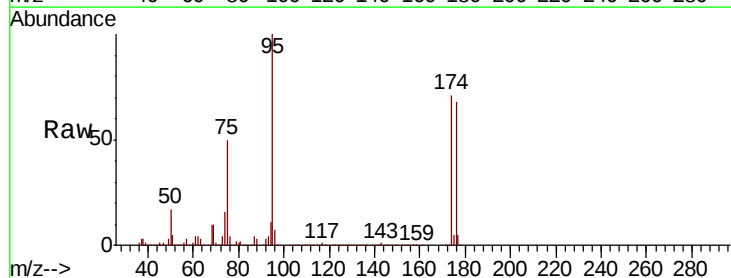
Tgt Ion: 95 Resp: 3320309

Ion Ratio Lower Upper

95 100

174 71.9 59.8 89.6

175 5.1 4.3 6.5



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

14.42

1500000

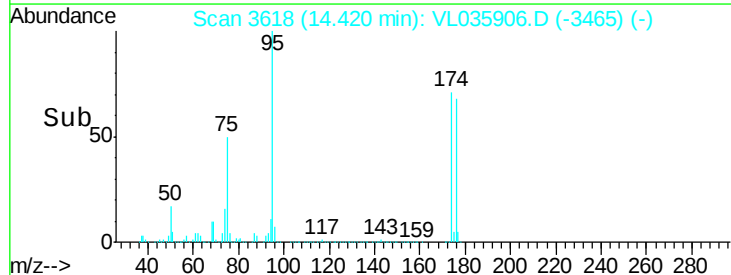
1000000

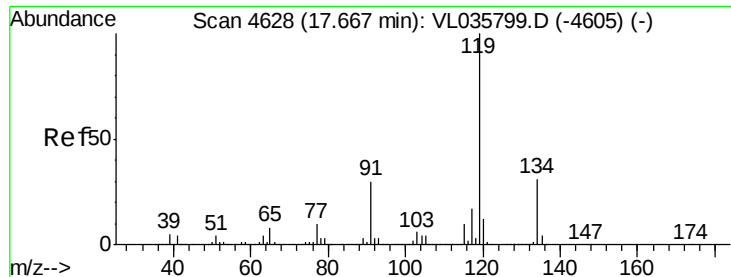
500000

0

Time-->

14.30 14.40 14.50

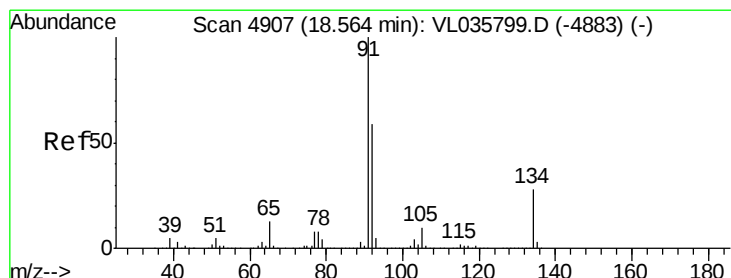
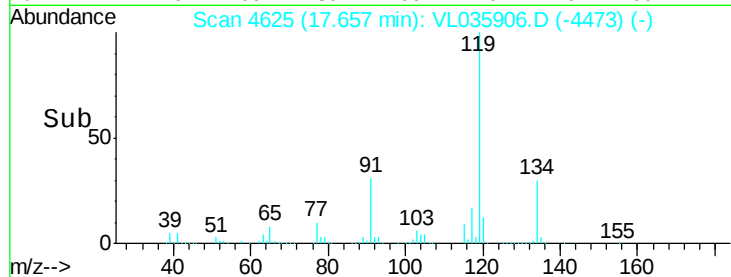
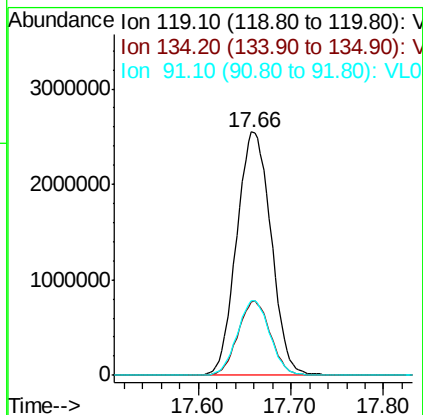
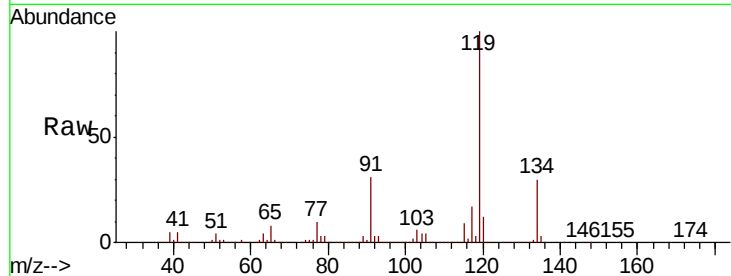




#69
 p-Isopropyltoluene
 Concen: 7.358 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

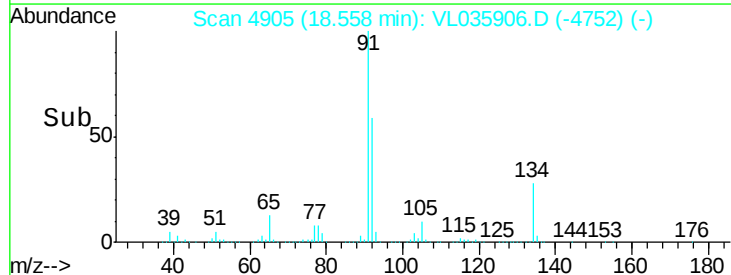
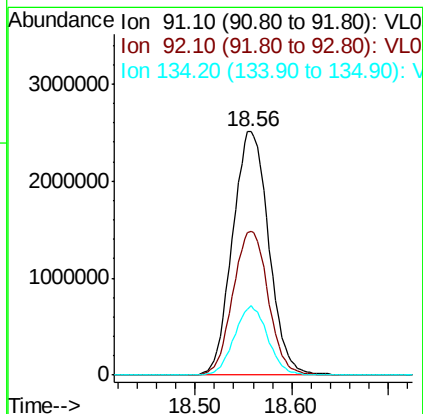
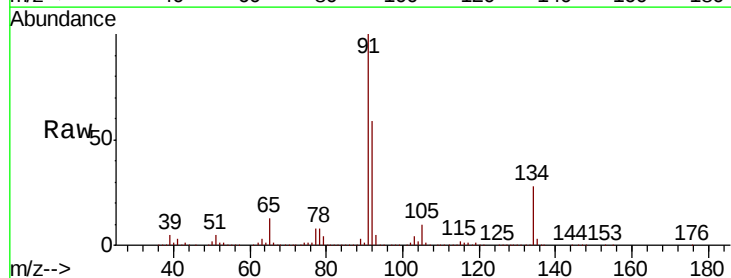
Instrument :
 MSVOA_W
 ClientSampleId :

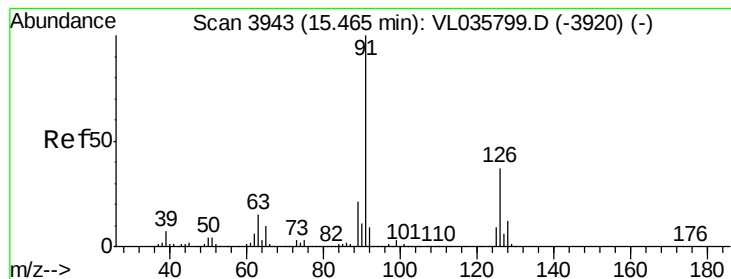
Tot Ion:119 Resp: 6571837
 Ion Ratio Lower Upper
 119 100
 134 28.8 23.0 34.6
 91 29.0 22.8 34.2



#70
 n-Butylbenzene
 Concen: 7.575 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 91 Resp: 6515872
 Ion Ratio Lower Upper
 91 100
 92 57.9 45.7 68.5
 134 26.4 21.0 31.4

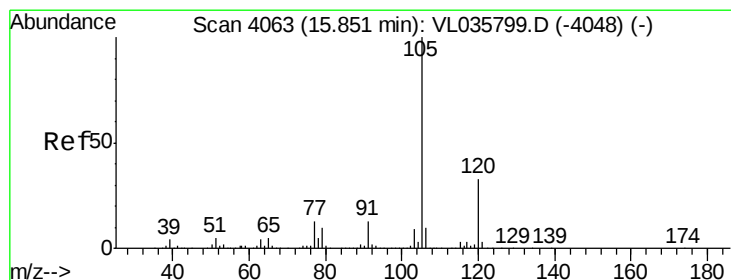
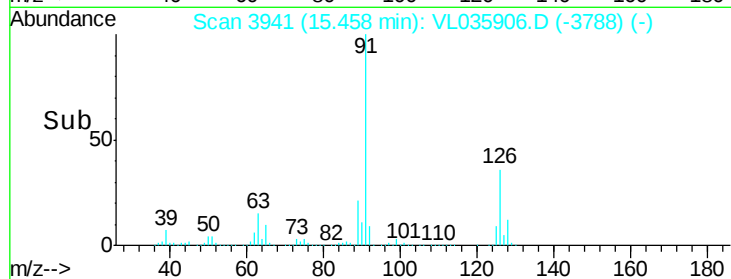
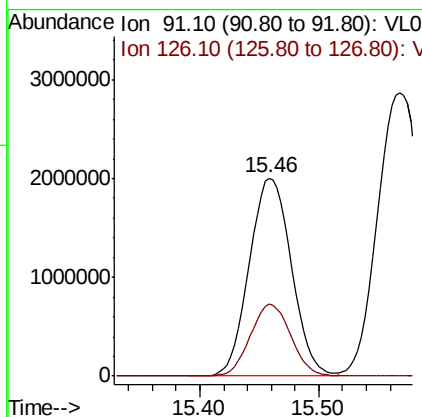
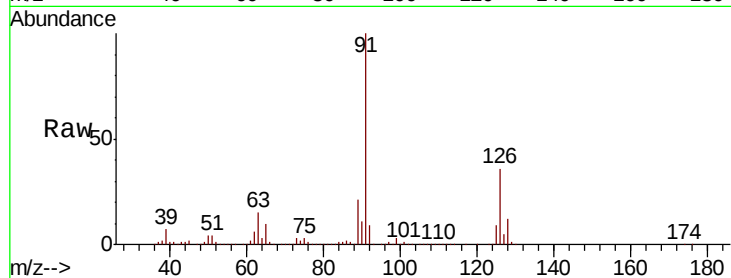




#71
 2-Chlorotoluene
 Concen: 7.627 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

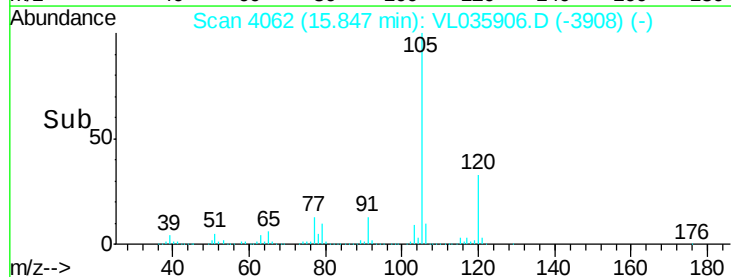
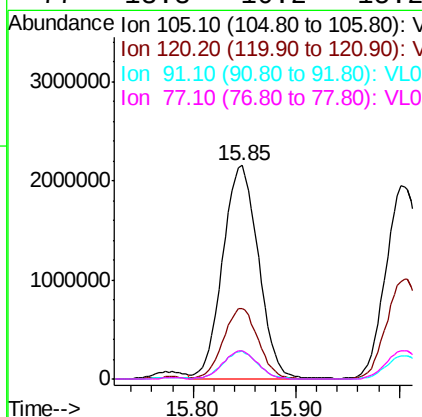
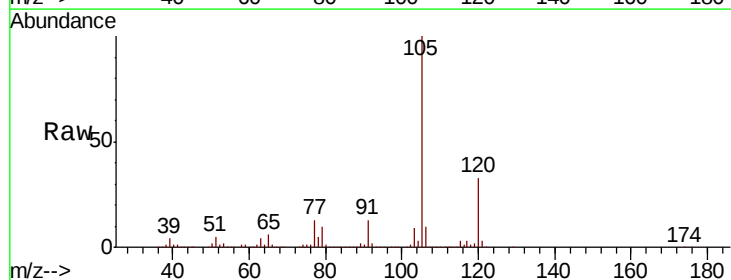
Instrument :
 MSVOA_W
 ClientSampleId :

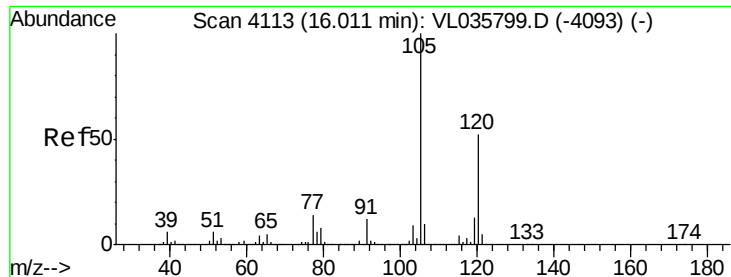
Tot Ion: 91 Resp: 4922867
 Ion Ratio Lower Upper
 91 100
 126 35.1 14.3 57.1



#72
 4-Ethyltoluene
 Concen: 7.618 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 105 Resp: 5187333
 Ion Ratio Lower Upper
 105 100
 120 32.4 25.9 38.9
 91 12.5 9.9 14.9
 77 13.3 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 7.663 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_W

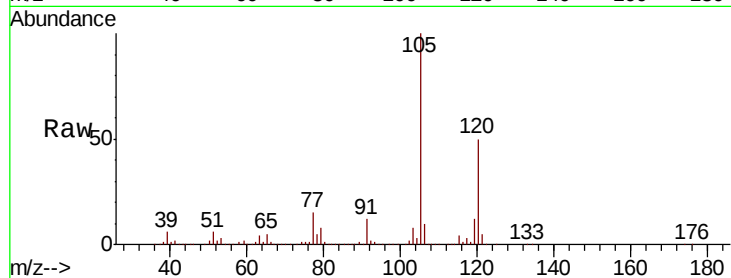
ClientSampled :

Tot Ion:105 Resp: 4774678

Ion Ratio Lower Upper

105 100

120 50.1 41.4 62.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

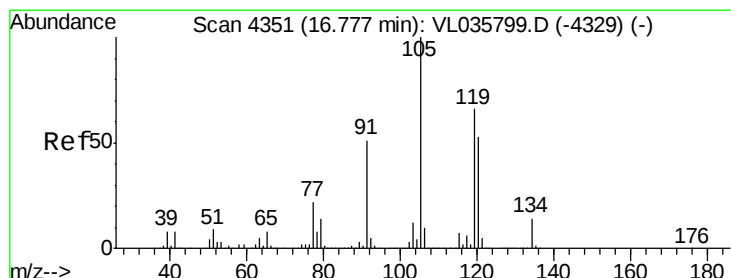
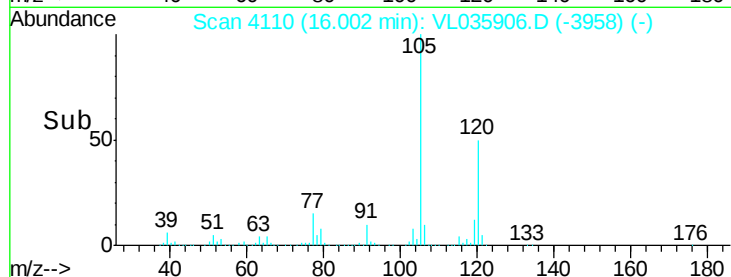
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.421 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tgt Ion:105 Resp: 4954943

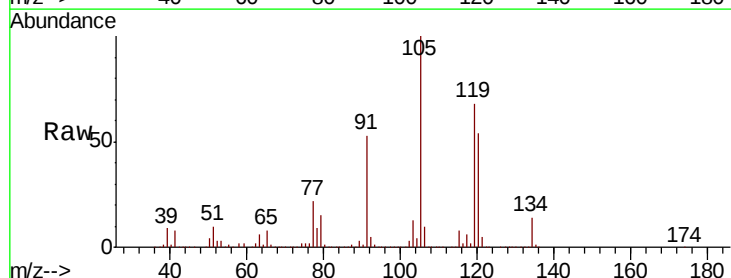
Ion Ratio Lower Upper

105 100

120 53.4 42.0 63.0

91 53.1 41.0 61.6

77 21.8 17.3 25.9



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): V

Ion 77.10 (76.80 to 77.80): V

3000000

2500000

2000000

1500000

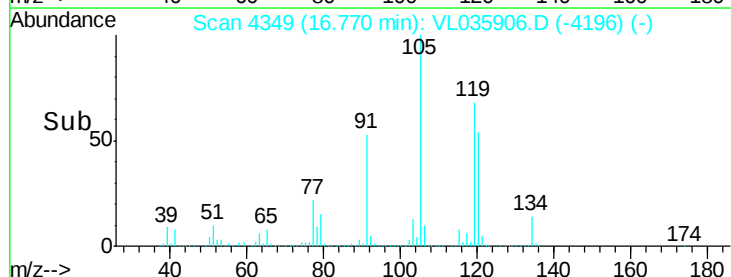
1000000

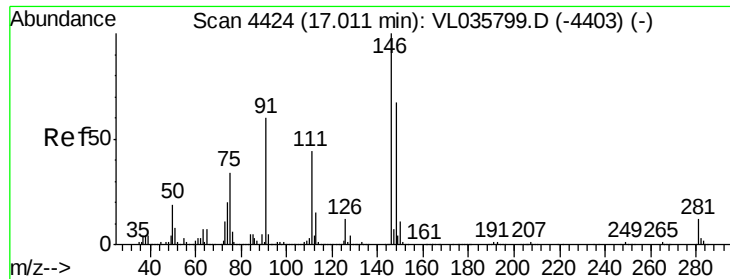
500000

0

16.70 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.288 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

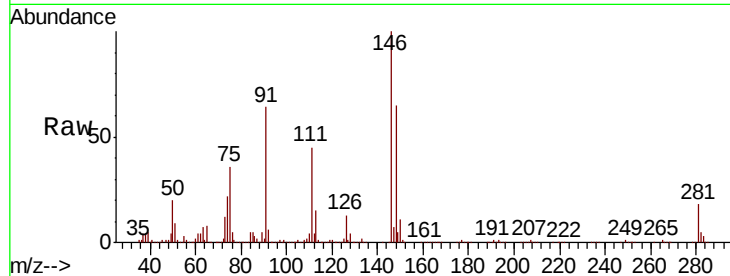
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146 Resp: 3098367

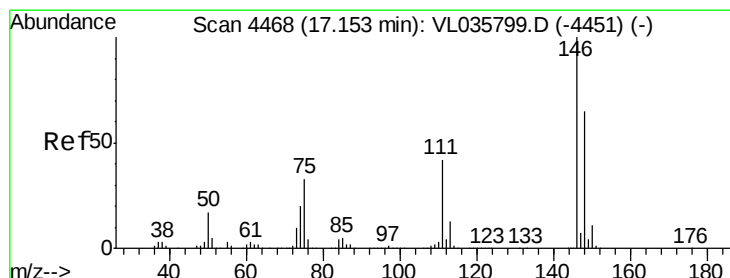
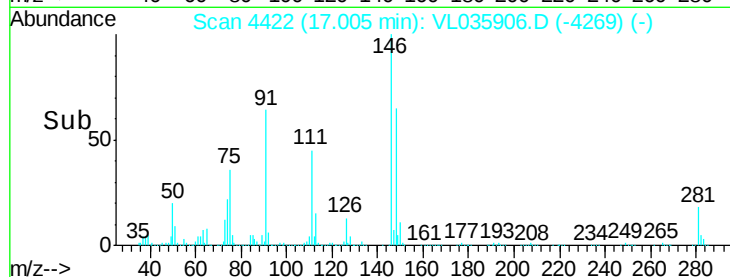
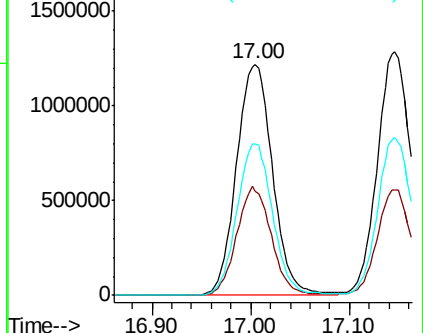
Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.8	65.4
148	64.9	32.5	97.5



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: 7.491 ppbv

RT: 17.15 min Scan# 4466

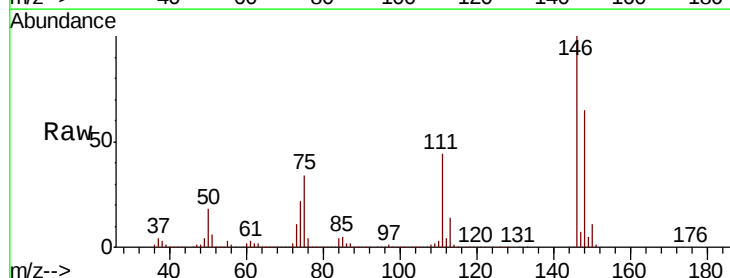
Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tgt Ion:146 Resp: 3072259

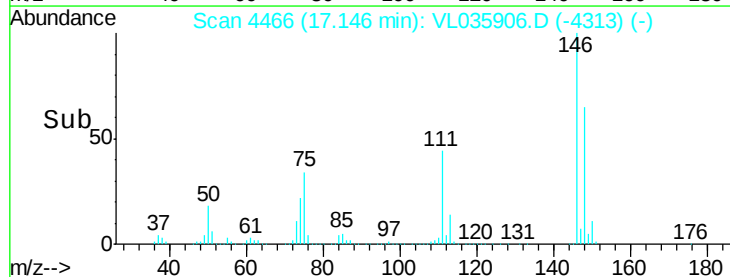
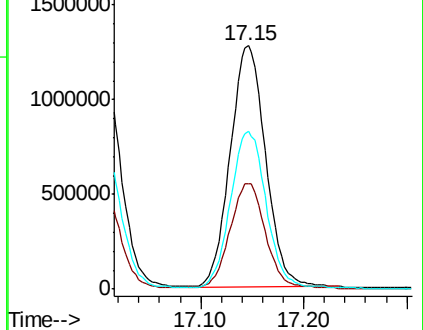
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.7
148	66.0	33.0	99.0

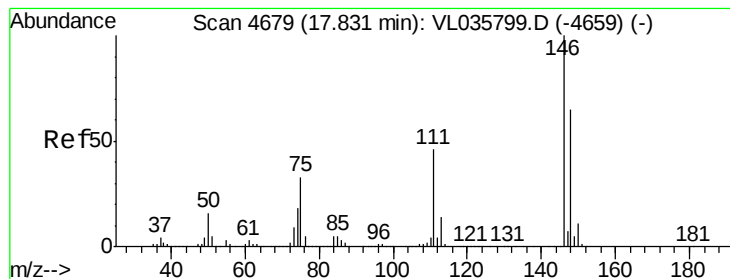


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.314 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

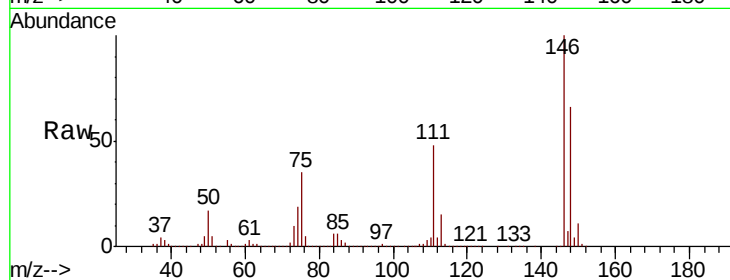
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146 Resp: 3031036

Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.4	67.0
148	65.4	32.5	97.5

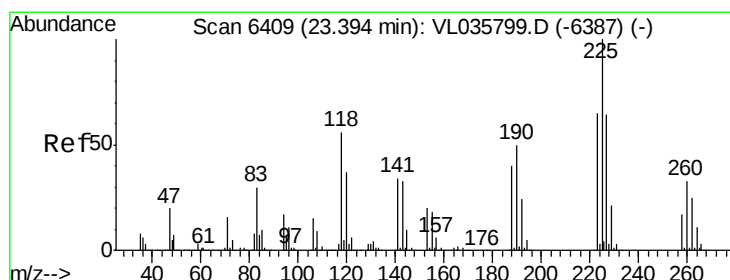
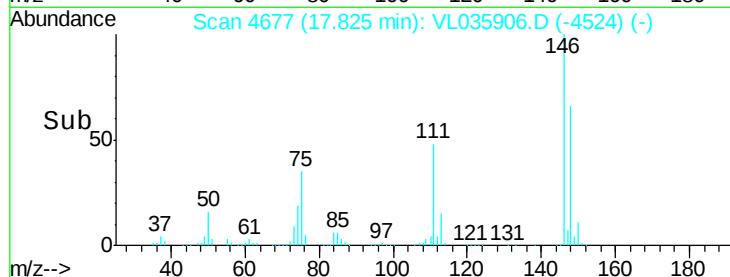
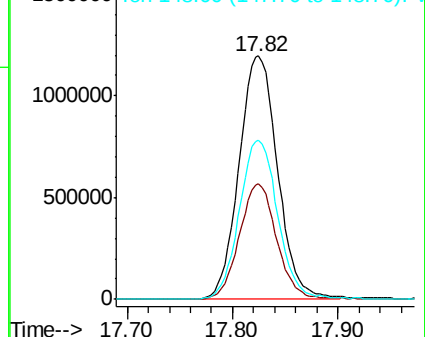


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.717 ppbv

RT: 23.38 min Scan# 6405

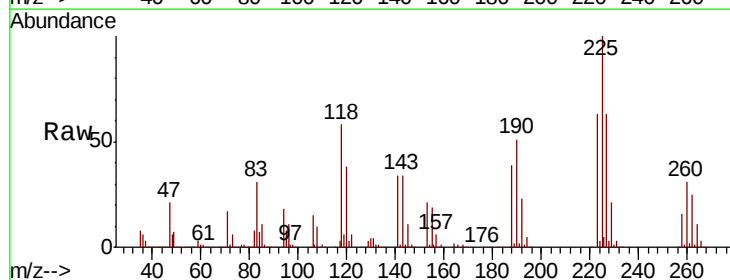
Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tgt Ion:225 Resp: 1492247

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.0	76.6
227	64.4	51.2	76.8

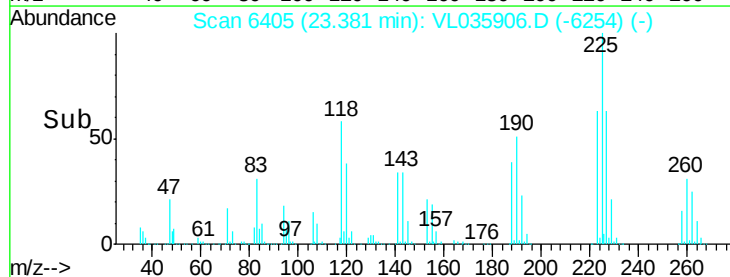
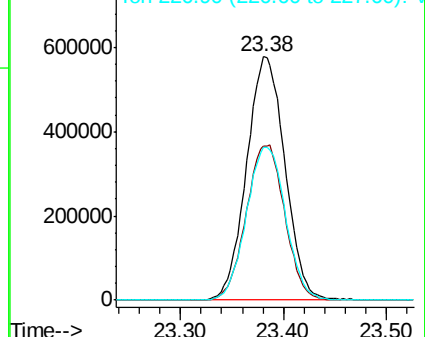


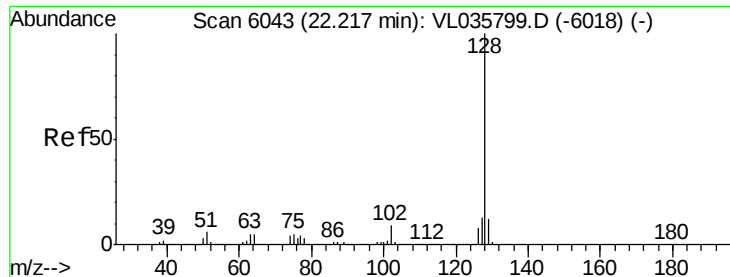
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

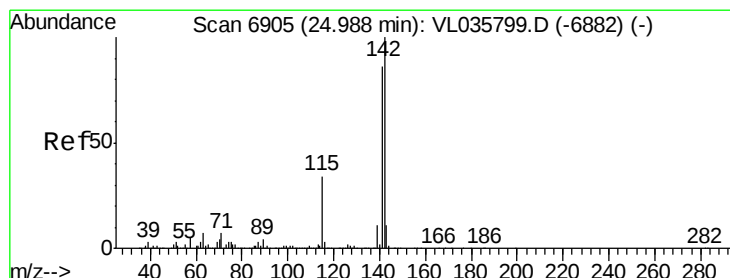
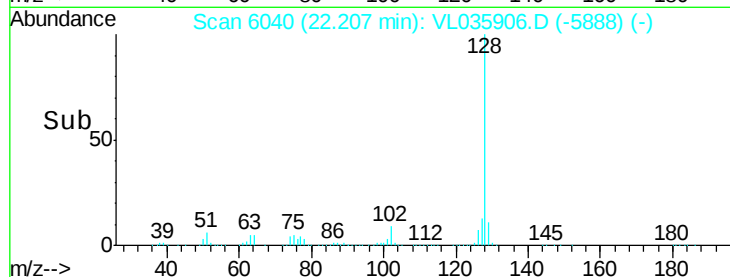
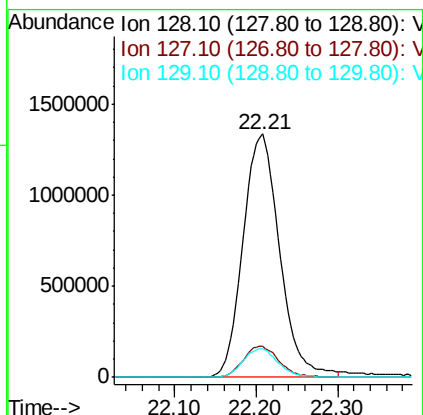
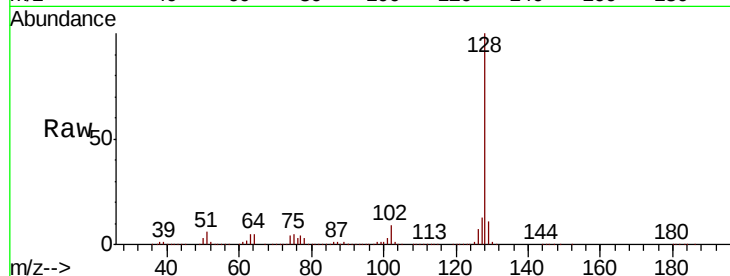




#79
Naphthalene
Concen: 8.902 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

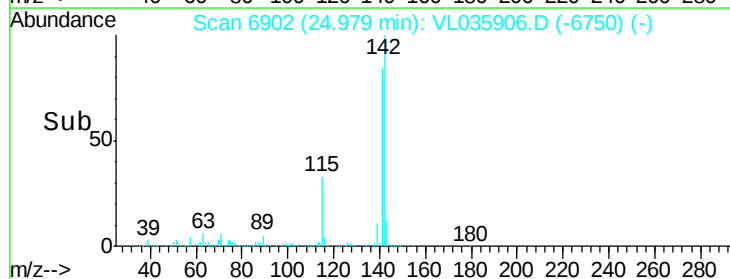
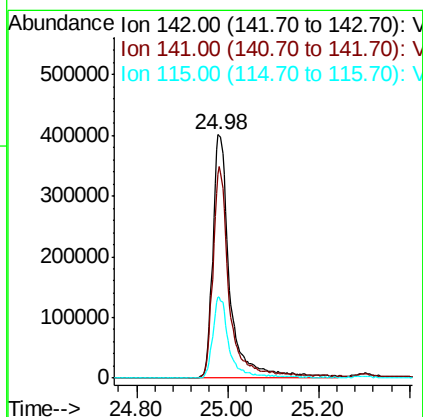
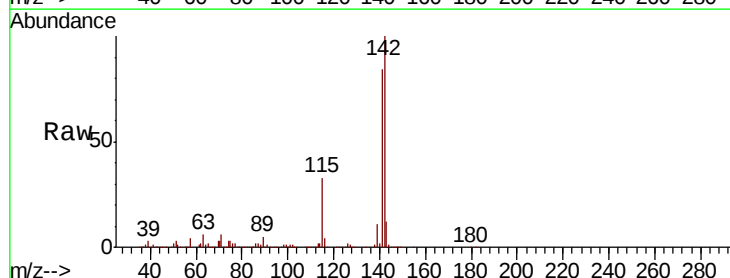
Instrument :
MSVOA_W
ClientSampleId :

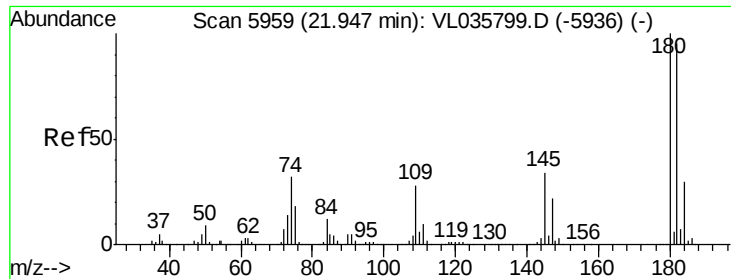
Tot Ion:128 Resp: 4143424
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.5 9.2 13.8



#80
Naphthalene, 2-methyl-
Concen: 13.906 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion:142 Resp: 1054717
Ion Ratio Lower Upper
142 100
141 84.4 67.8 101.8
115 31.6 28.1 42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.973 ppbv
 RT: 21.93 min Scan# 5955
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 2073200
 Ion Ratio Lower Upper
 180 100
 182 100.2 77.2 115.8
 184 31.6 24.7 37.1

