

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035908.D
 Acq On : 12 Nov 2020 9:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 13 00:55:54 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	5.67	49	1159753	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4410820	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5333579	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3143604	8.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1682480	7.706	ppbv 100
3) Chlorodifluoromethane	2.98	51	1308572	9.422	ppbv 98
4) Chloromethane	3.13	50	642847	9.528	ppbv 98
5) Vinyl Chloride	3.25	62	823397	9.574	ppbv 100
6) Bromomethane	3.47	94	665128	9.616	ppbv 98
7) Chloroethane	3.55	64	297508	9.828	ppbv 94
8) Dichlorotetrafluoroethane	3.18	85	2330497	9.326	ppbv 97
9) Propene	3.00	41	498041	9.798	ppbv 99
10) Heptane	8.13	43	1412820	10.063	ppbv 100
11) Trichlorofluoromethane	3.95	101	2707957	9.877	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1995278	9.774	ppbv 98
13) Ethanol	3.60	45	92418	8.380	ppbv 96
14) Bromoethene	3.74	108	873150	9.294	ppbv 100
15) Acetone	3.85	43	1133807	9.144	ppbv 98
16) 1,3-Butadiene	3.32	39	522640	9.791	ppbv 99
17) tert-Butyl alcohol	4.29	59	1554215	9.459	ppbv 99
18) 1,1-Dichloroethene	4.29	96	909790	9.707	ppbv 95
19) Isopropyl Alcohol	3.97	45	716681	9.406	ppbv 99
20) Methylene Chloride	4.34	84	766187	8.778	ppbv 99
21) Allyl Chloride	4.41	41	686163	10.233	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	929980	9.788	ppbv 96
23) Vinyl Acetate	5.07	43	1626041	9.356	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1607200	9.707	ppbv 99
25) Ethyl Acetate	5.68	43	2423831	9.923	ppbv 99
26) Hexane	5.69	57	1290708	9.582	ppbv 99
27) Carbon Disulfide	4.55	76	1988326	9.851	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2218202	9.170	ppbv 100
29) Chloroform	5.75	83	2505052	9.461	ppbv 100
30) Cyclohexane	7.13	84	1339439	9.130	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1343124	9.692	ppbv 95
32) 1,1,1-Trichloroethane	6.52	97	2456540	8.891	ppbv 99
34) 2-Butanone	5.24	43	1525685	10.658	ppbv 100
35) Carbon Tetrachloride	7.02	117	2427738	10.301	ppbv 99
36) Benzene	6.90	78	3193728	9.739	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1583444	10.659	ppbv 99
38) Trichloroethene	7.84	130	1459805	9.114	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1116362	10.112	ppbv 97
40) 1,4-Dioxane	7.83	88	498756	9.532	ppbv 88
41) Tetrahydrofuran	6.05	42	904582	11.123	ppbv 99
42) Bromodichloromethane	7.80	83	2628525	10.486	ppbv 98
43) Methyl Methacrylate	8.02	69	1308917	10.465	ppbv 97

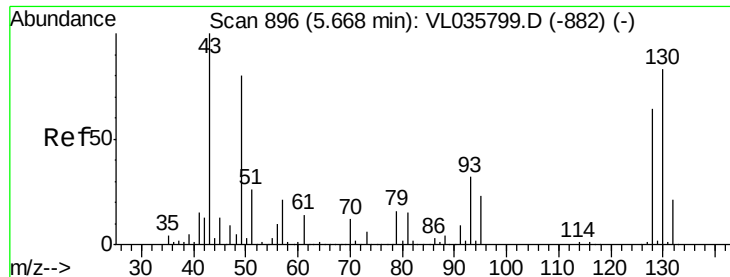
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035908.D
 Acq On : 12 Nov 2020 9:37
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Quant Time: Nov 13 00:55:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: 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)
44) 2,2,4-Trimethylpentane	7.87	57	4382811	10.100	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1387037	10.461	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1739177	10.357	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1451560	9.649	ppbv	98
48) Dibromochloromethane	10.31	129	2374882	10.334	ppbv	99
49) Bromoform	13.05	173	1980508	10.213	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2370527	10.830	ppbv	99
51) 2-Hexanone	10.14	43	1926667	10.957	ppbv	98
52) Tetrachloroethene	11.23	164	1353719	8.714	ppbv	99
53) Toluene	9.81	91	3823109	9.662	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2224296	9.723	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1845237	7.708	ppbv	99
57) Chlorobenzene	12.16	112	3075692	7.253	ppbv	99
58) Ethyl Benzene	12.72	91	4918024	7.571	ppbv	100
59) m/p-Xylene	13.00	91	4669464	8.496	ppbv #	45
60) o-Xylene	13.70	91	4045237	7.566	ppbv	99
61) Styrene	13.54	104	3046576	7.777	ppbv	99
62) Isopropylbenzene	14.68	105	6060358	7.212	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2863206	6.912	ppbv	99
64) n-propylbenzene	15.57	120	1777809	7.319	ppbv	97
65) tert-Butylbenzene	16.76	119	5396942	7.056	ppbv	100
66) Benzyl Chloride	17.00	91	1824205	7.215	ppbv	99
67) sec-Butylbenzene	17.30	105	7286417	7.069	ppbv	99
69) p-Isopropyltoluene	17.66	119	6015674	7.072	ppbv	100
70) n-Butylbenzene	18.56	91	5881831	7.180	ppbv	100
71) 2-Chlorotoluene	15.46	91	4548161	7.400	ppbv	99
72) 4-Ethyltoluene	15.85	105	4773240	7.361	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4383086	7.386	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4554109	7.162	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2795855	6.906	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2794356	7.155	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2725257	6.905	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1286452	6.986	ppbv	100
79) Naphthalene	22.21	128	3064996	6.915	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	550038	7.615	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1659287	6.700	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

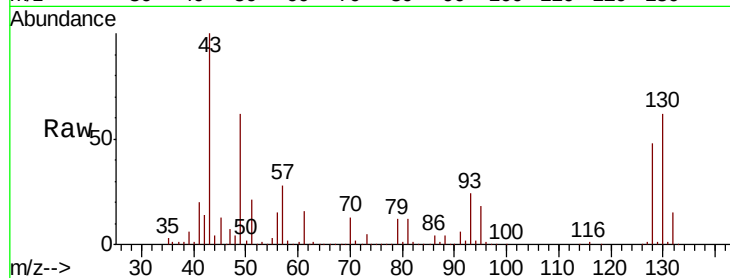
Tot Ion: 49 Resp: 1159753

Ion Ratio Lower Upper

49 100

128 80.8 41.5 124.6

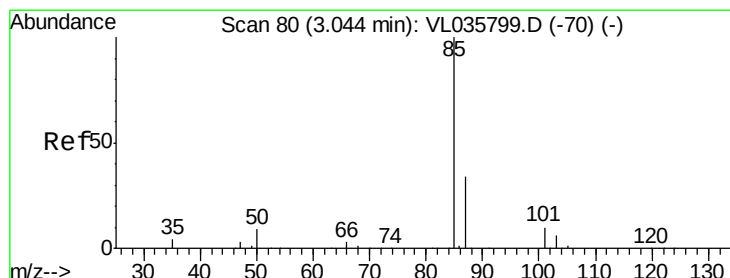
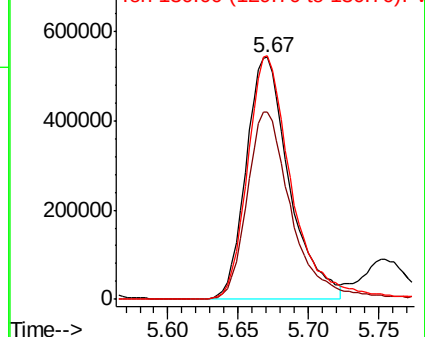
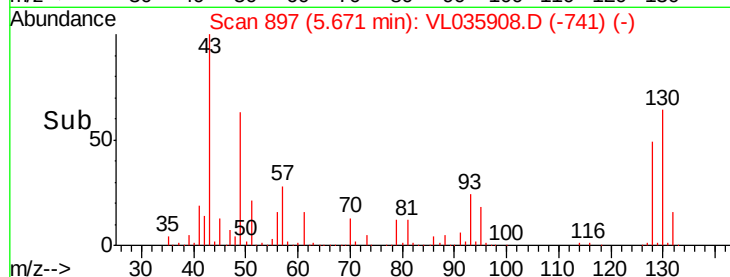
130 104.4 53.7 161.1



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: 7.706 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035908.D

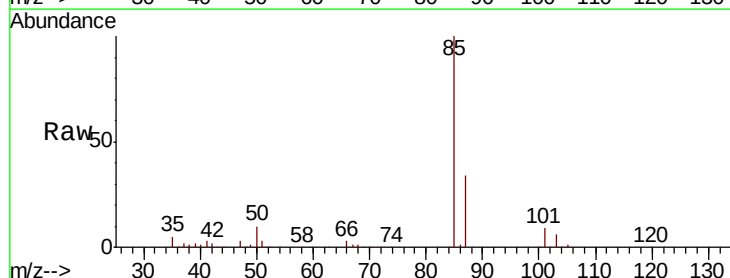
Acq: 12 Nov 2020 9:37

Tgt Ion: 85 Resp: 1682480

Ion Ratio Lower Upper

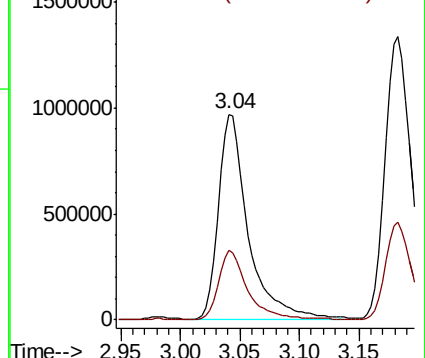
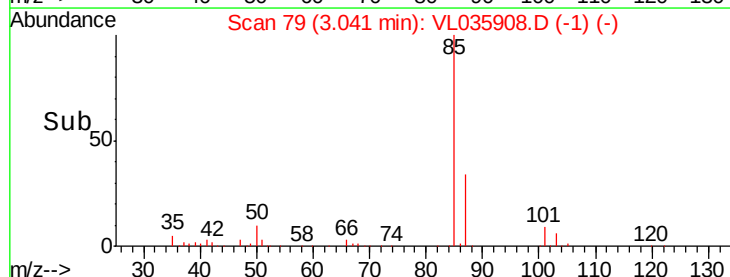
85 100

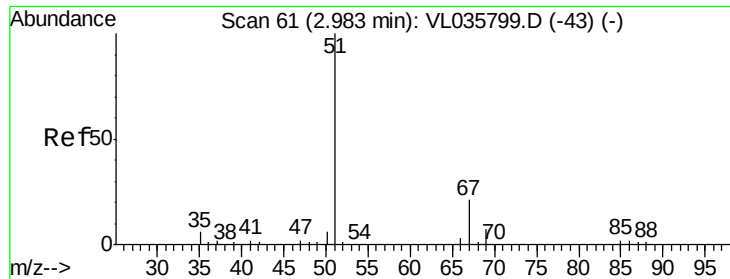
87 33.8 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.422 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

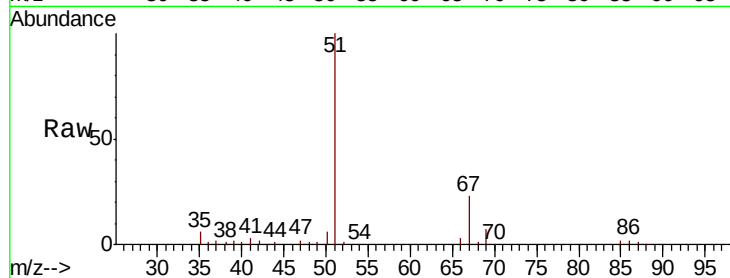
VSTDCCC010

Tot Ion: 51 Resp: 1308572

Ion Ratio Lower Upper

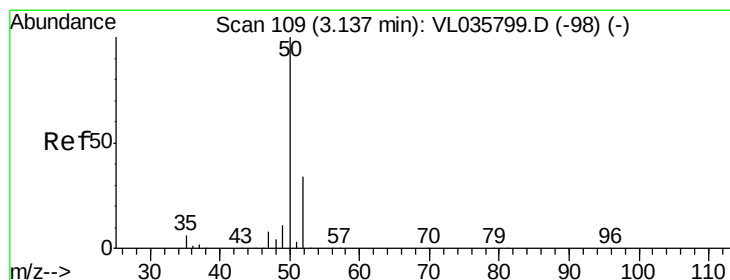
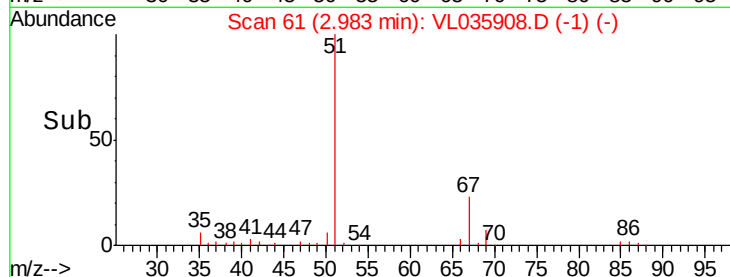
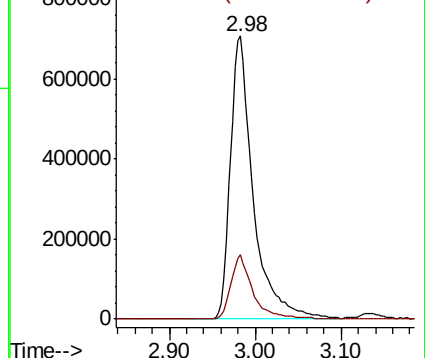
51 100

67 21.9 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: 9.528 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035908.D

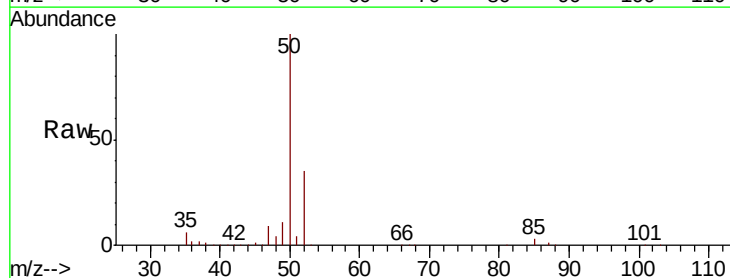
Acq: 12 Nov 2020 9:37

Tgt Ion: 50 Resp: 642847

Ion Ratio Lower Upper

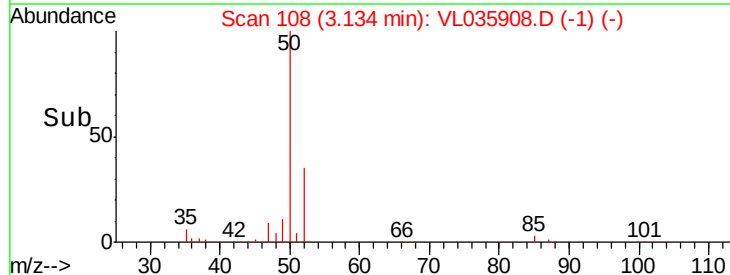
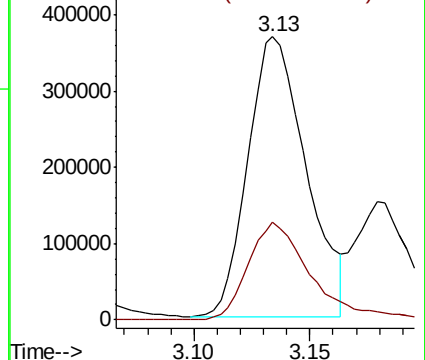
50 100

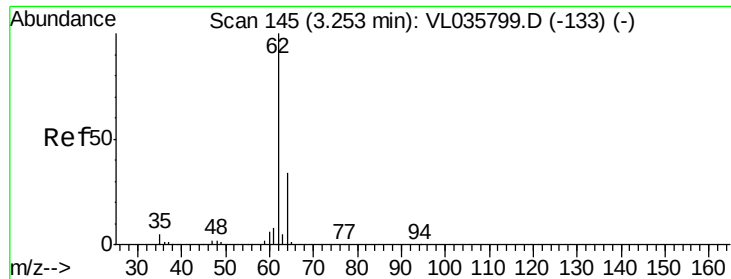
52 35.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.574 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

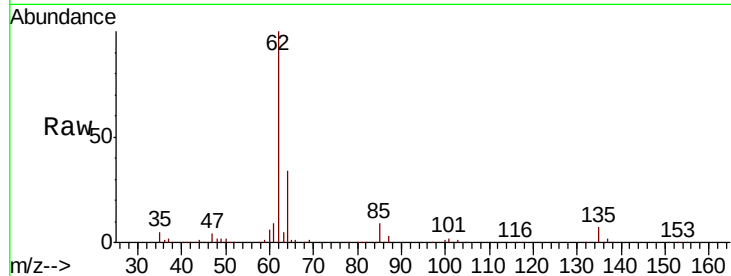
VSTDCCC010

Tot Ion: 62 Resp: 823397

Ion Ratio Lower Upper

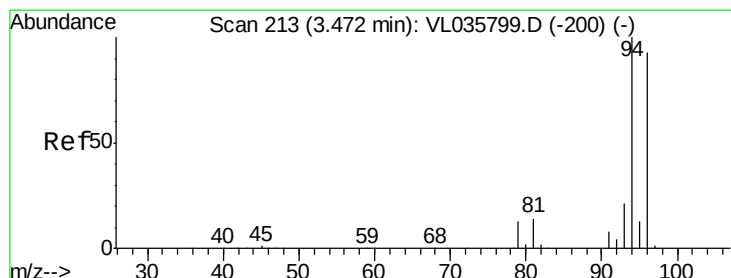
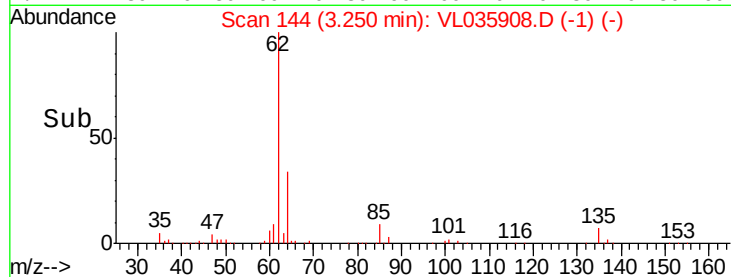
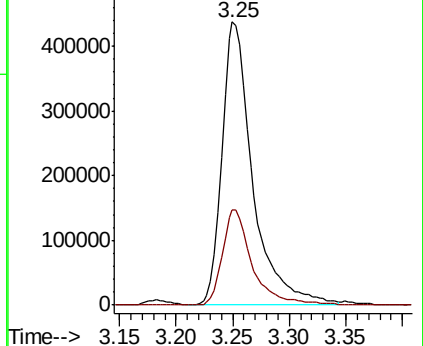
62 100

64 33.9 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.616 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035908.D

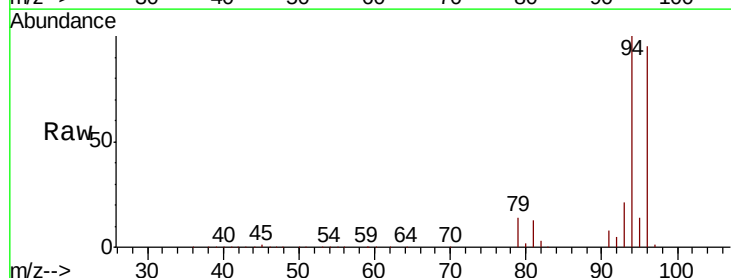
Acq: 12 Nov 2020 9:37

Tgt Ion: 94 Resp: 665128

Ion Ratio Lower Upper

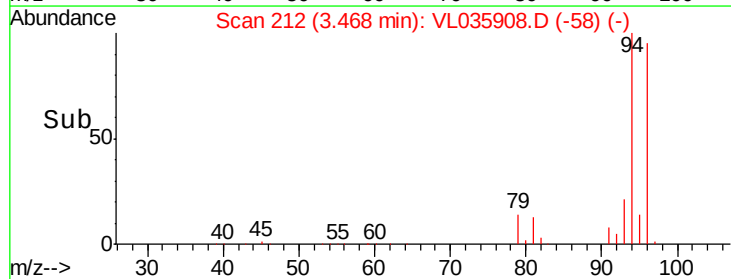
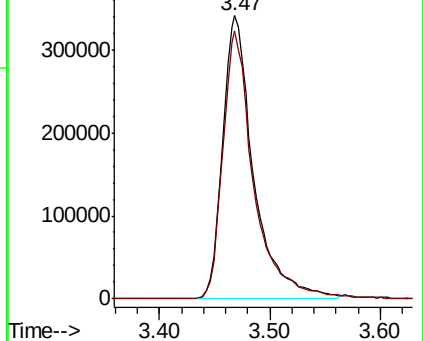
94 100

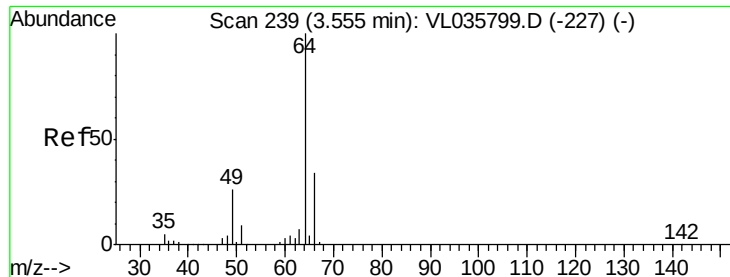
96 94.9 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.828 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

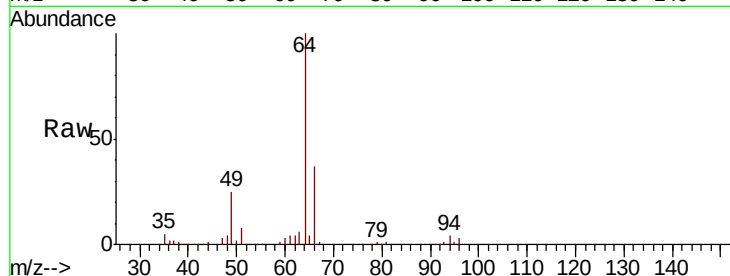
VSTDCCC010

Tot Ion: 64 Resp: 297508

Ion Ratio Lower Upper

64 100

66 37.2 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

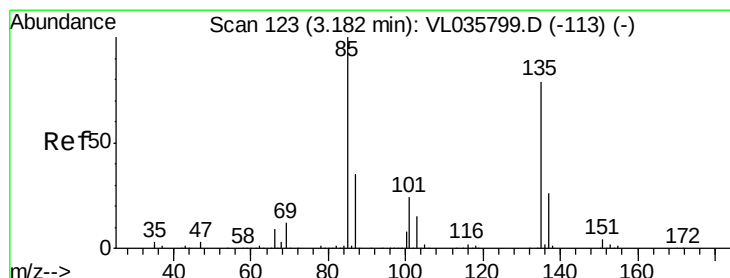
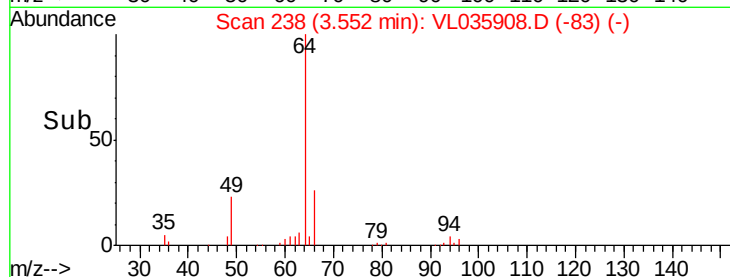
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.326 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035908.D

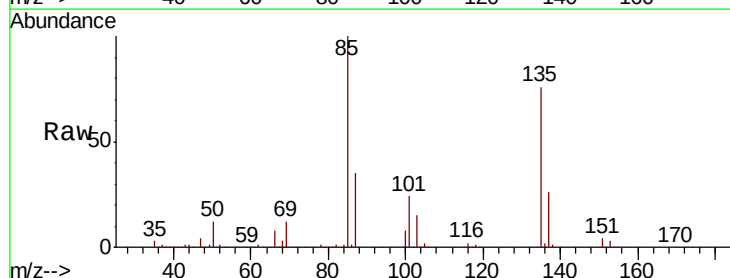
Acq: 12 Nov 2020 9:37

Tgt Ion: 85 Resp: 2330497

Ion Ratio Lower Upper

85 100

135 77.8 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

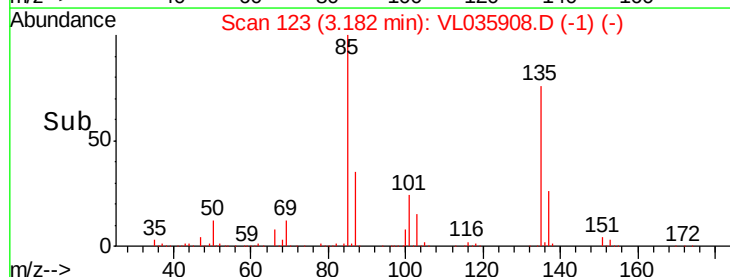
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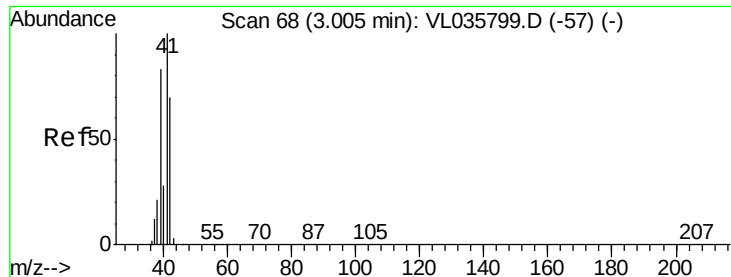
1000000

500000

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Time-->





#9

Propene

Concen: 9.798 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

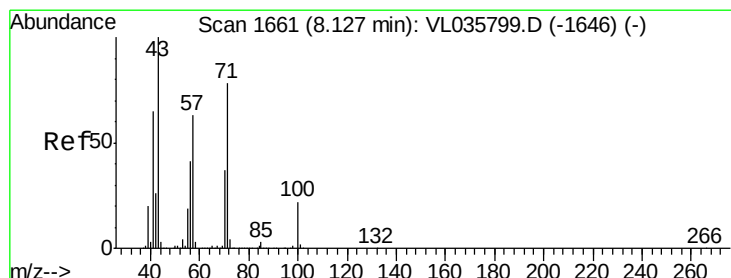
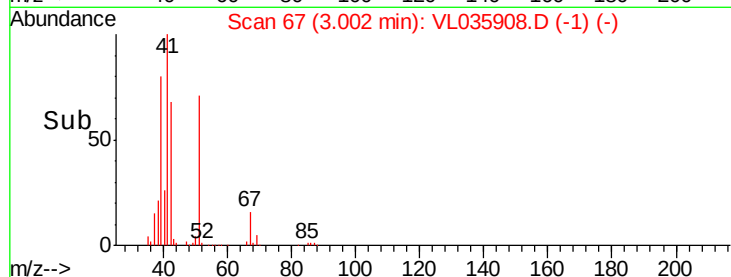
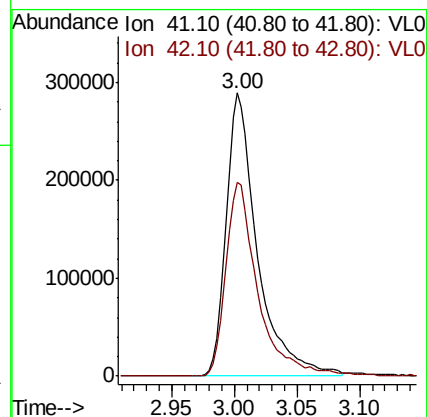
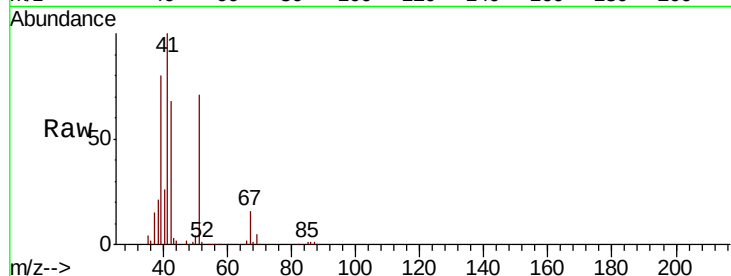
VSTDCCC010

Tot Ion: 41 Resp: 498041

Ion Ratio Lower Upper

41 100

42 70.8 56.2 84.4



#10

Heptane

Concen: 10.063 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL035908.D

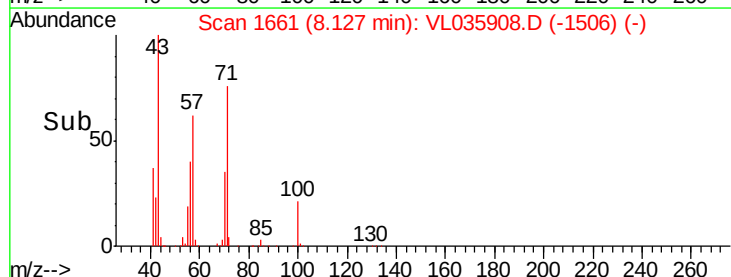
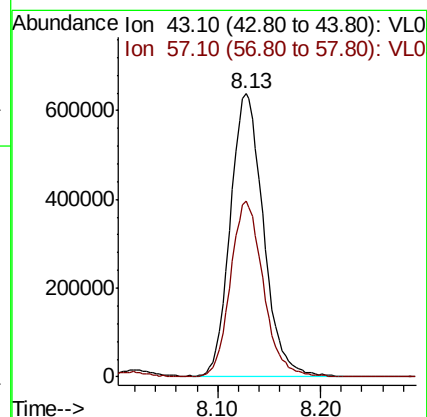
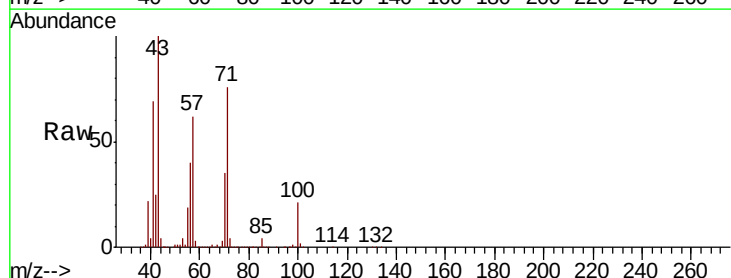
Acq: 12 Nov 2020 9:37

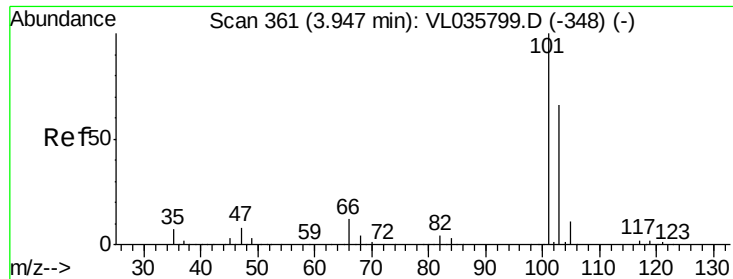
Tgt Ion: 43 Resp: 1412820

Ion Ratio Lower Upper

43 100

57 62.5 50.0 75.0

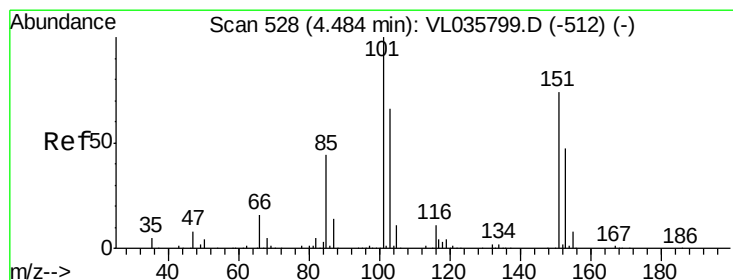
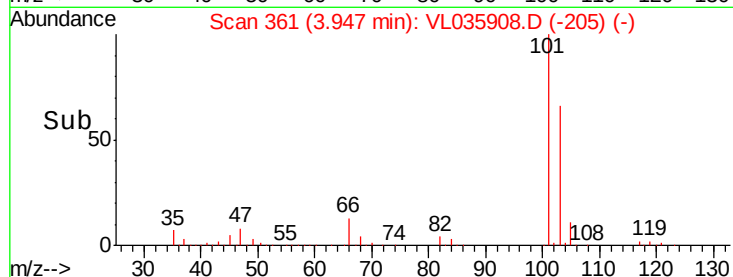
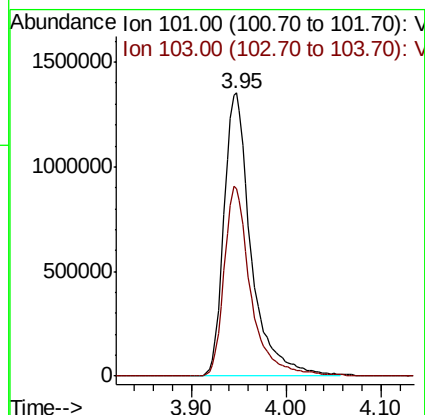
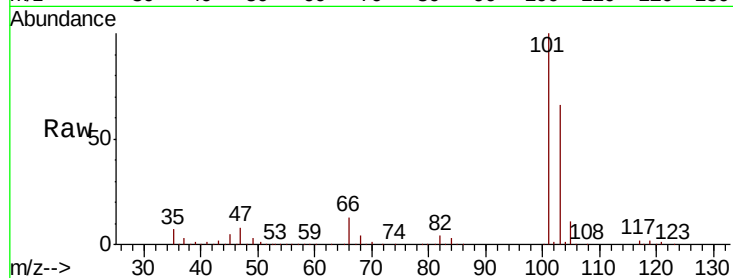




#11
 Trichlorofluoromethane
 Concen: 9.877 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

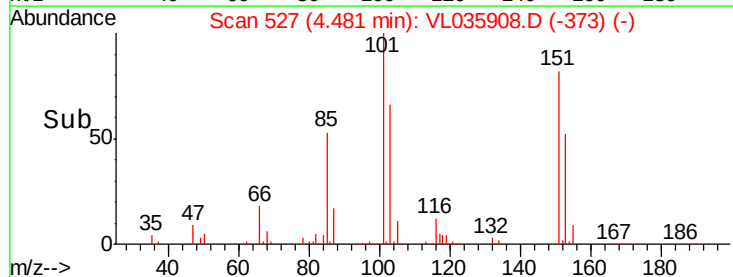
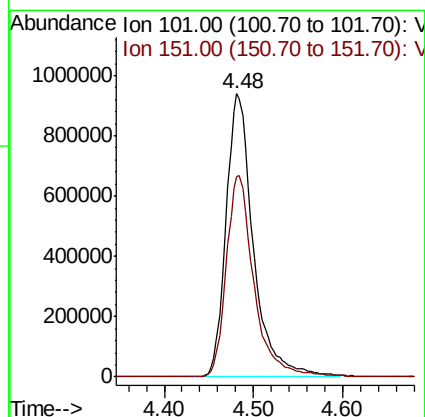
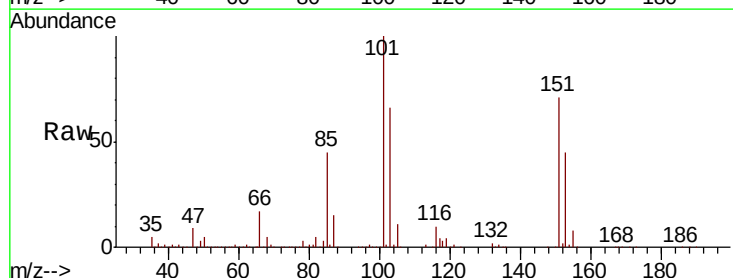
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

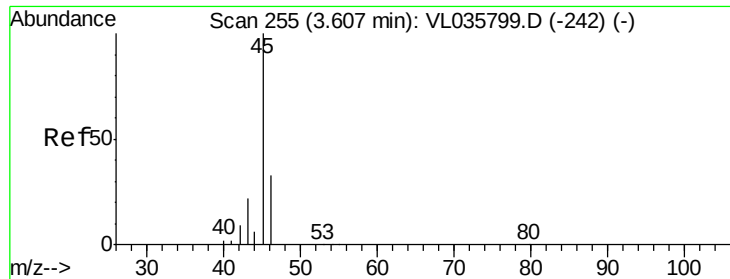
Tot Ion:101 Resp: 2707957
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.774 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Tgt Ion:101 Resp: 1995278
 Ion Ratio Lower Upper
 101 100
 151 72.3 58.9 88.3





#13

Ethanol

Concen: 8.380 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

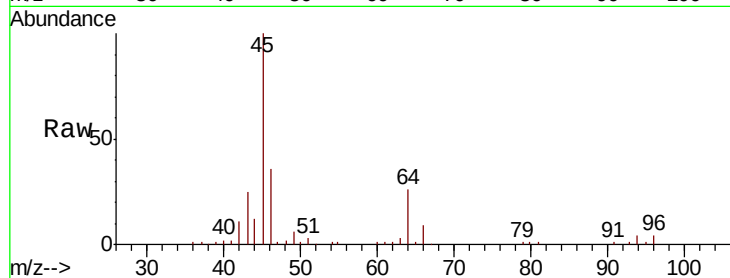
VSTDCCC010

Tot Ion: 45 Resp: 92418

Ion Ratio Lower Upper

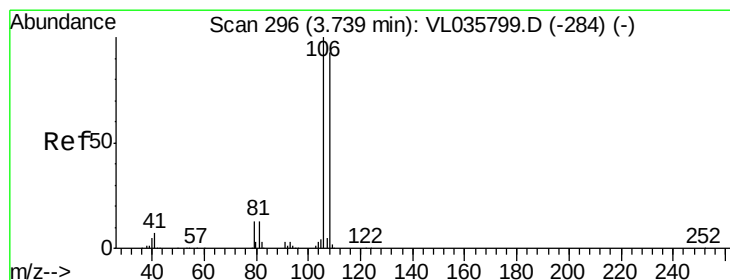
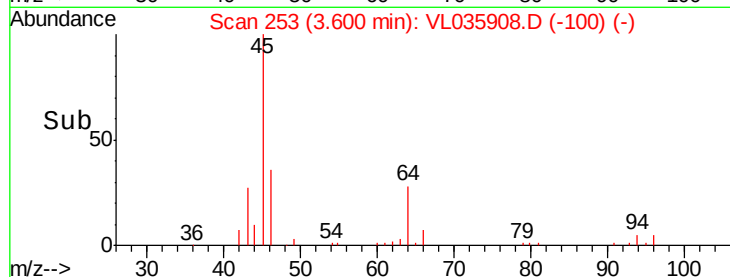
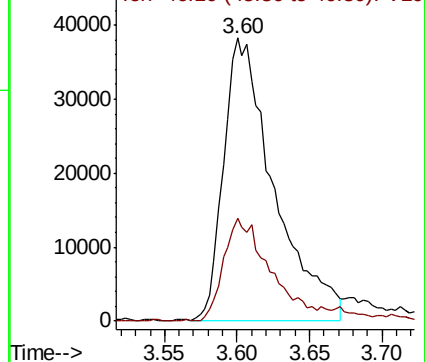
45 100

46 37.9 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: 9.294 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

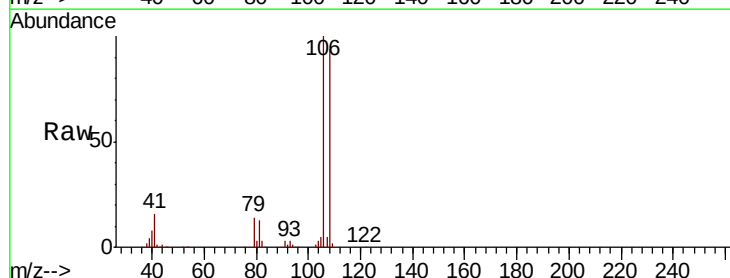
Tgt Ion: 108 Resp: 873150

Ion Ratio Lower Upper

108 100

106 106.5 85.3 127.9

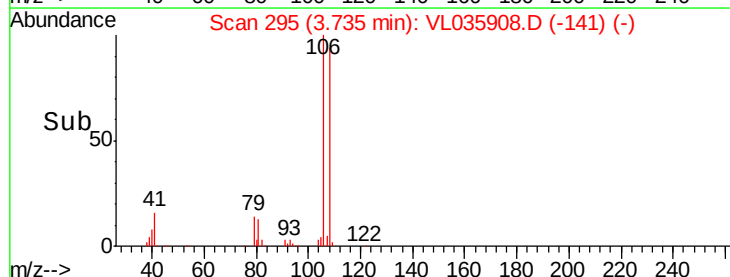
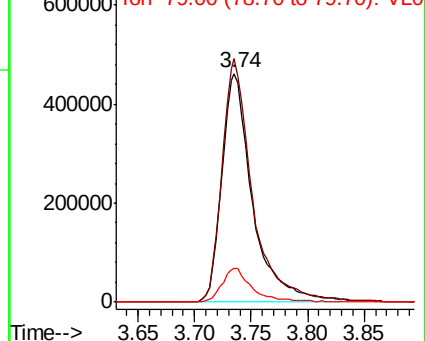
79 14.8 11.6 17.4

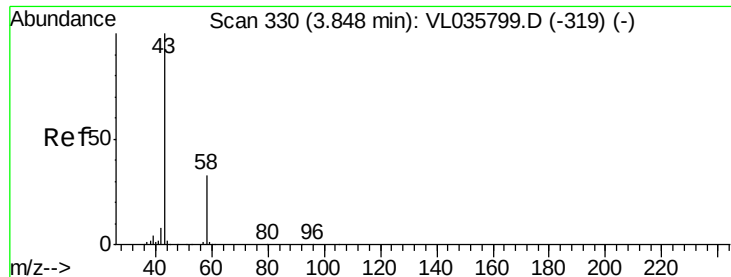


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.144 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

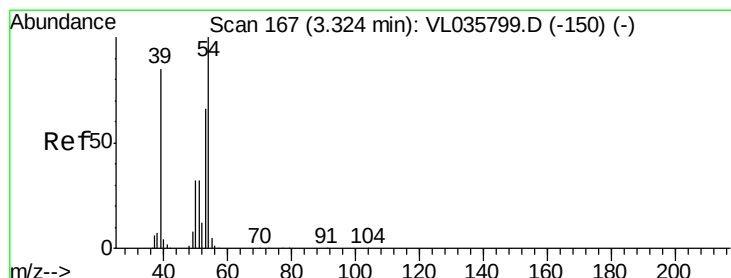
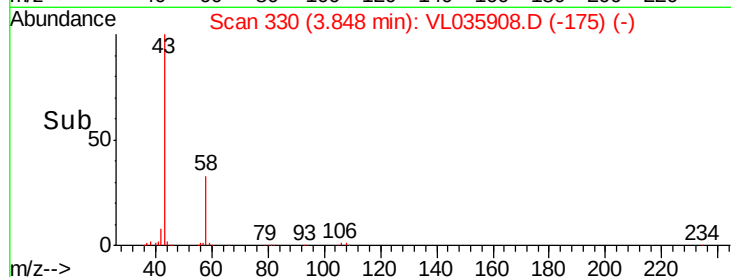
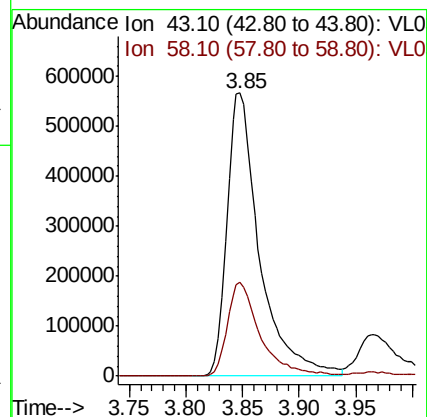
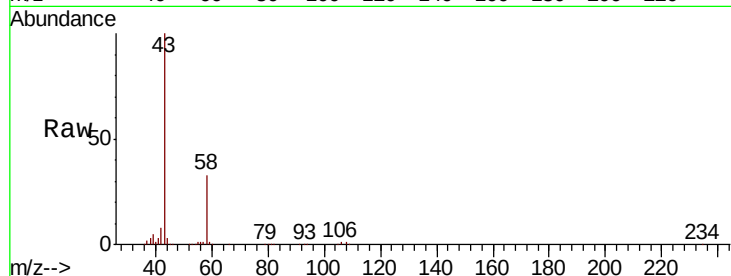
VSTDCCC010

Tot Ion: 43 Resp: 1133807

Ion Ratio Lower Upper

43 100

58 33.5 27.5 41.3



#16

1,3-Butadiene

Concen: 9.791 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035908.D

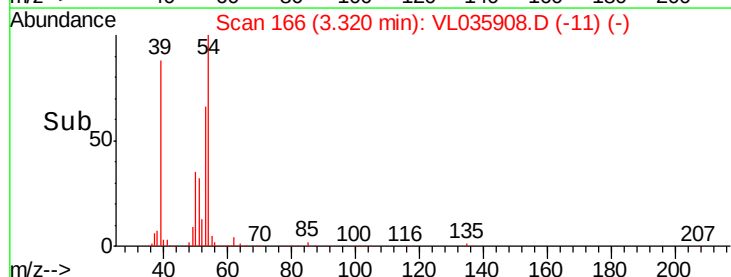
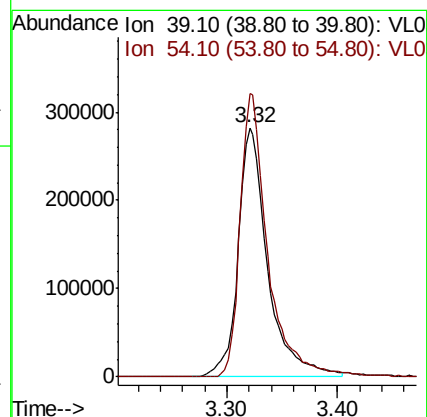
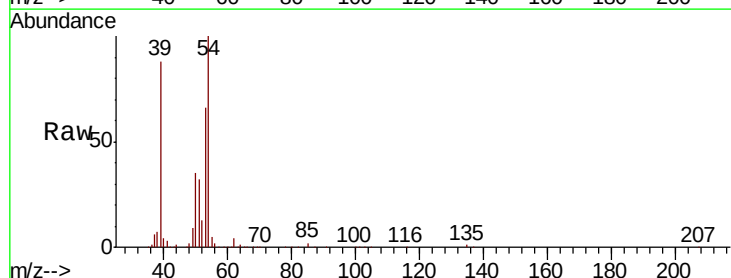
Acq: 12 Nov 2020 9:37

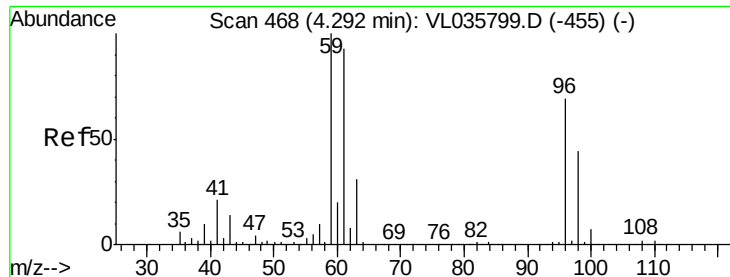
Tgt Ion: 39 Resp: 522640

Ion Ratio Lower Upper

39 100

54 108.1 87.1 130.7





#17

tert-Butyl alcohol

Concen: 9.459 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

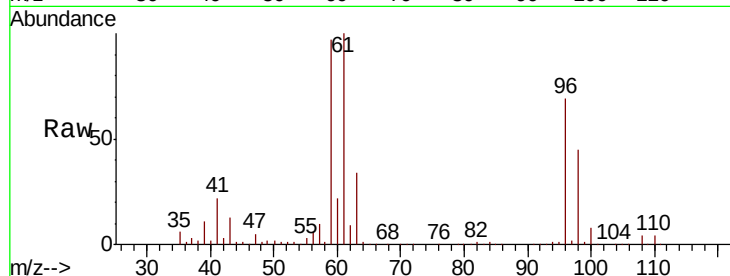
VSTDCCC010

Tot Ion: 59 Resp: 1554215

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

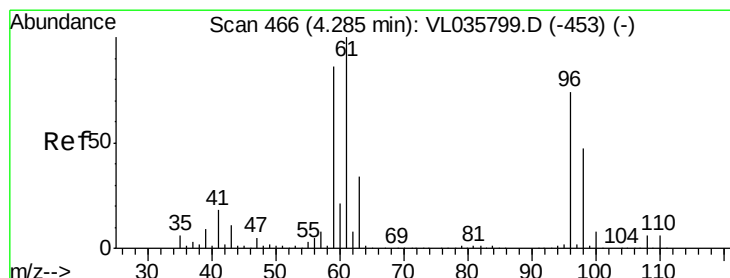
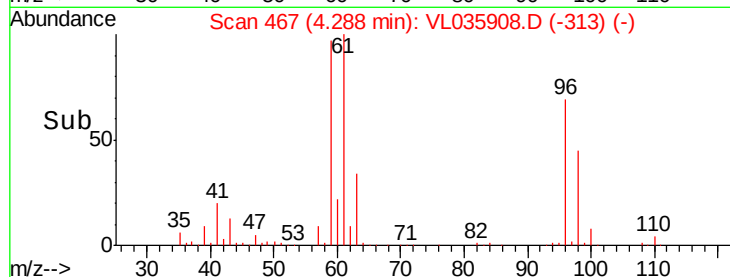
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.707 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

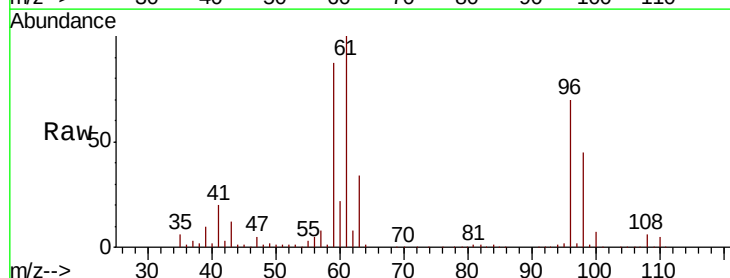
Tgt Ion: 96 Resp: 909790

Ion Ratio Lower Upper

96 100

61 143.9 108.5 162.7

98 64.2 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

800000

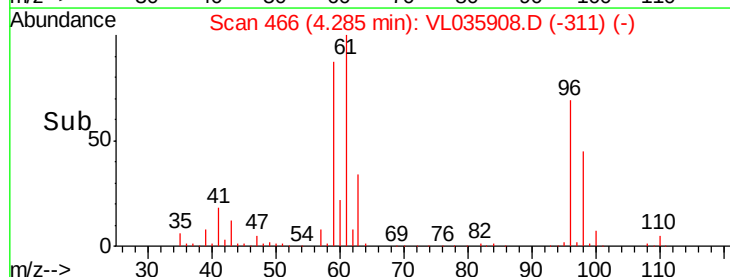
600000

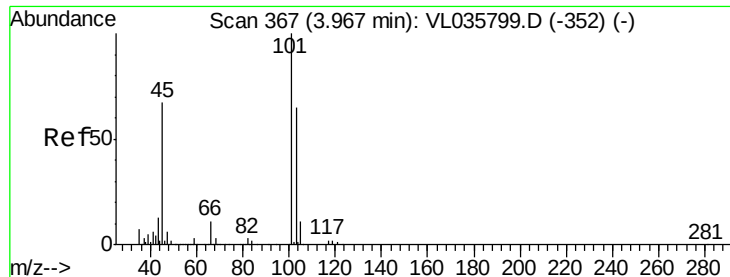
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.406 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

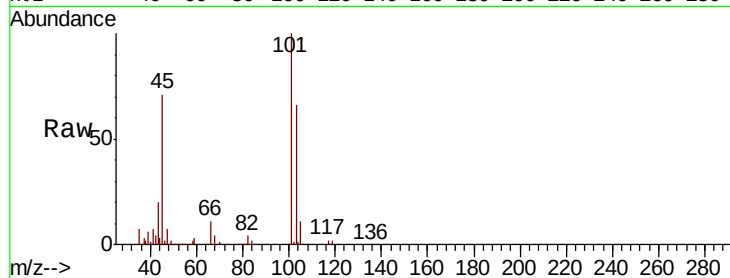
VSTDCCC010

Tot Ion: 45 Resp: 716681

Ion Ratio Lower Upper

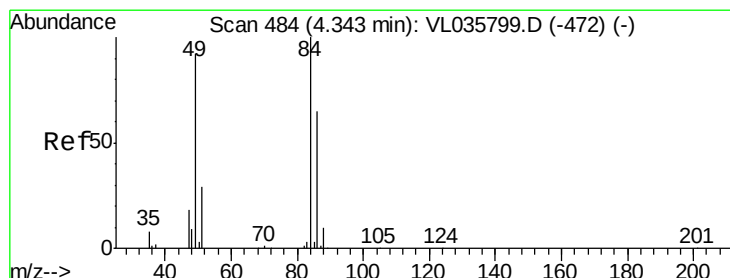
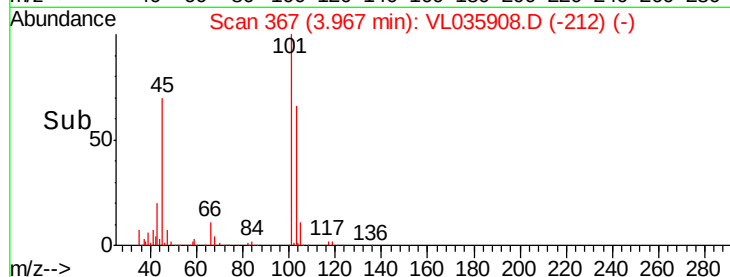
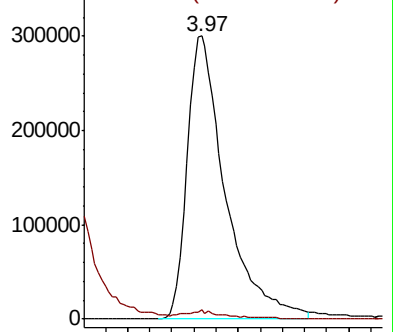
45 100

58 3.6 2.6 3.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.778 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Tgt Ion: 84 Resp: 766187

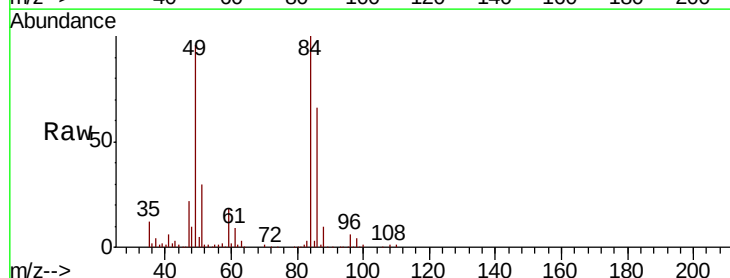
Ion Ratio Lower Upper

84 100

49 94.0 73.8 110.8

51 29.7 23.0 34.4

86 65.6 52.1 78.1

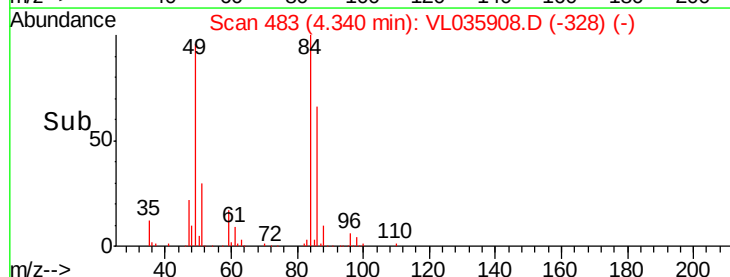
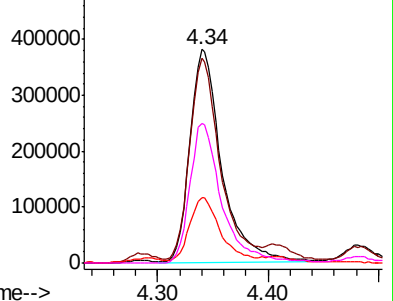


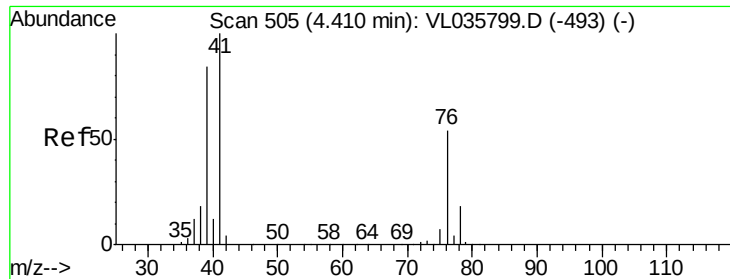
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

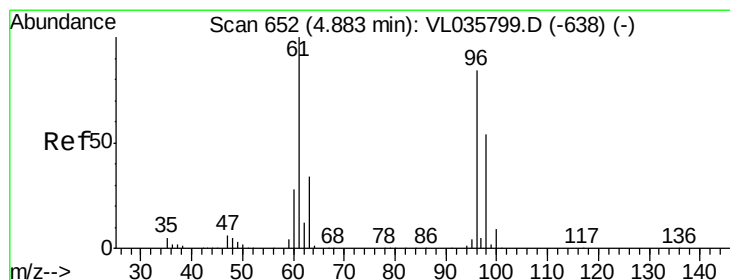
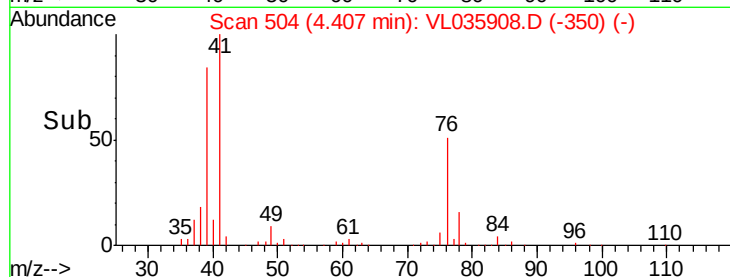
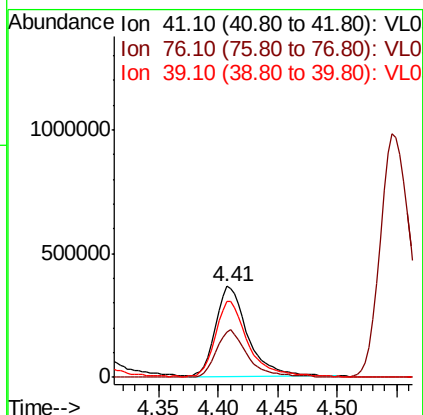
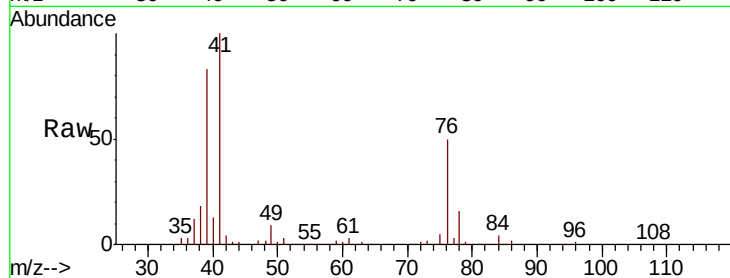




#21
Allvl Chloride
Concen: 10.233 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

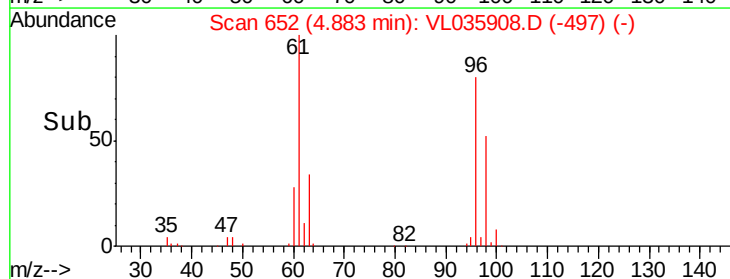
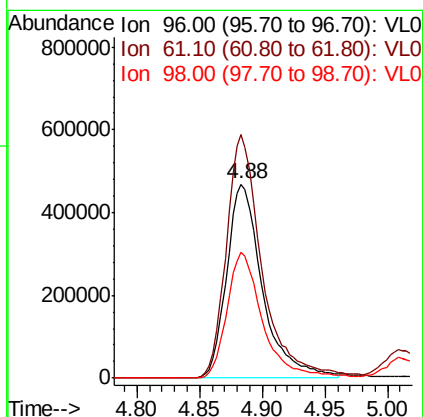
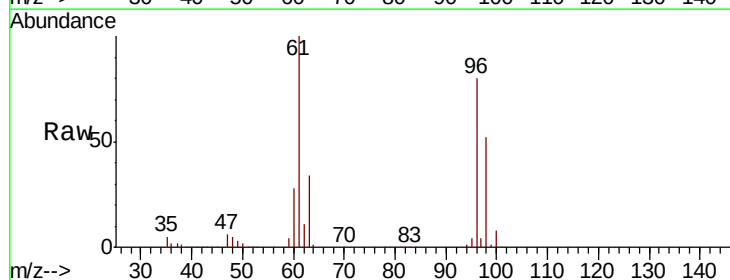
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

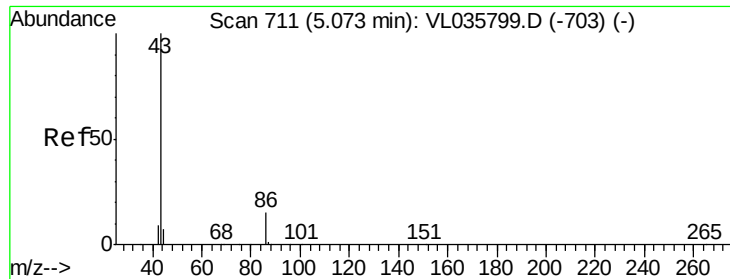
Tot Ion: 41 Resp: 686163
Ion Ratio Lower Upper
41 100
76 52.1 42.6 63.8
39 85.2 67.0 100.4



#22
trans-1,2-Dichloroethene
Concen: 9.788 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Tgt Ion: 96 Resp: 929980
Ion Ratio Lower Upper
96 100
61 125.6 95.4 143.0
98 64.7 51.8 77.6



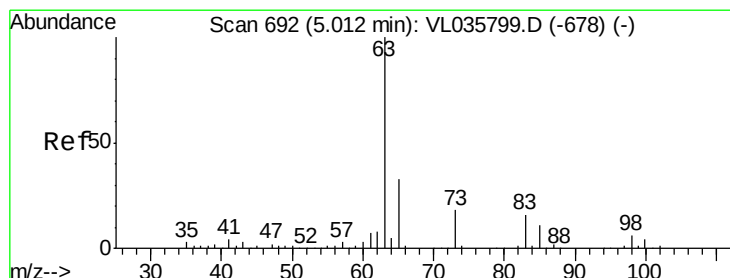
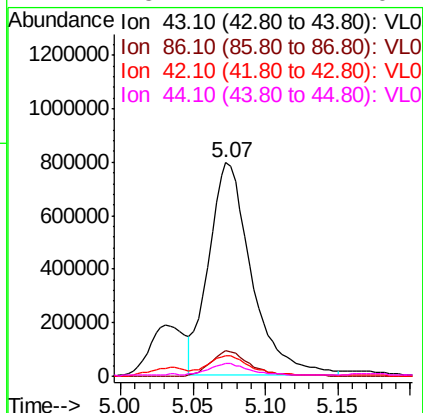
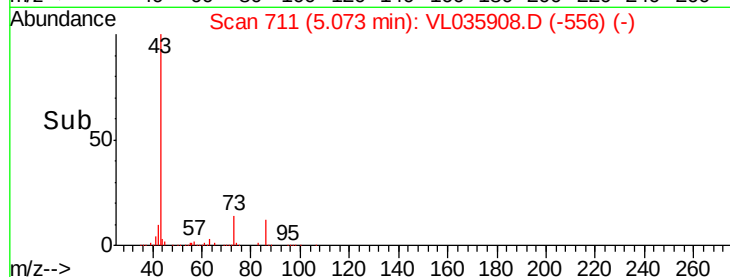
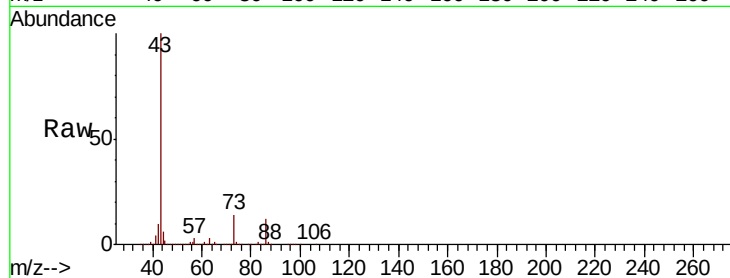


#23
 Vinyl Acetate
 Concen: 9.356 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 43 Resp: 1626041

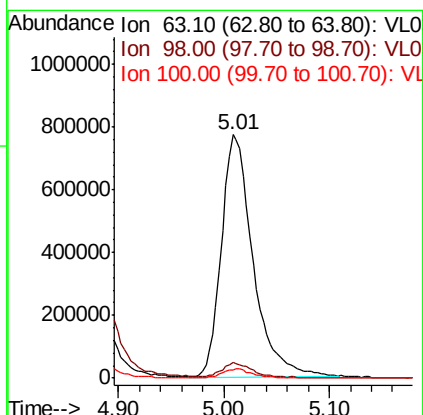
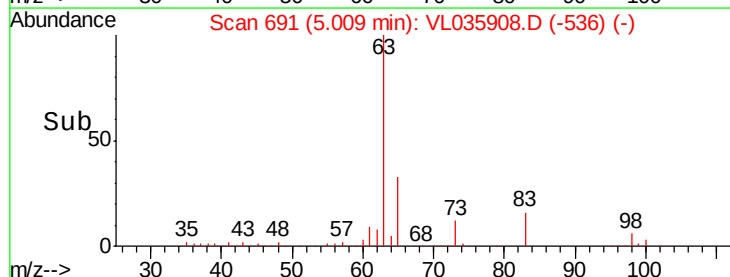
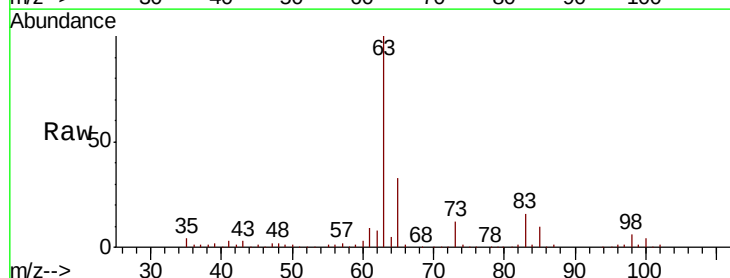
Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.8	14.6
42	9.8	8.1	12.1
44	5.4	4.2	6.4

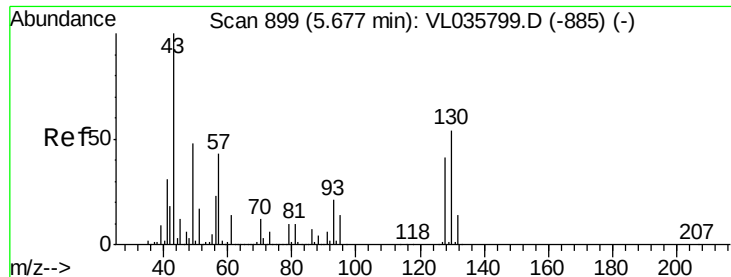


#24
 1,1-Dichloroethane
 Concen: 9.707 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Tgt Ion: 63 Resp: 1607200

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.0	9.2
100	3.5	1.8	5.4



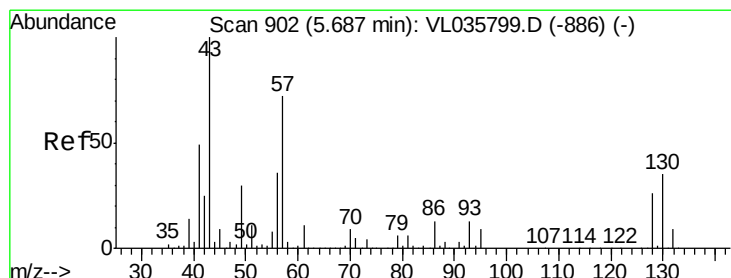
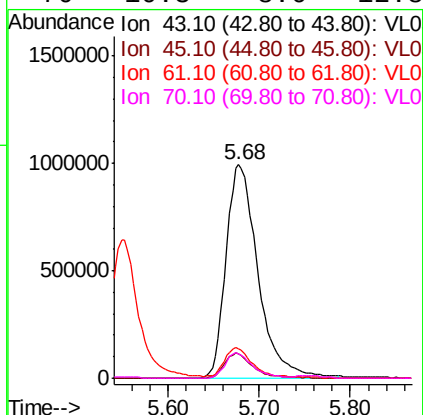
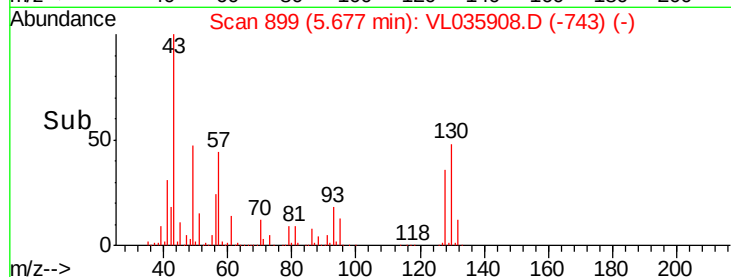
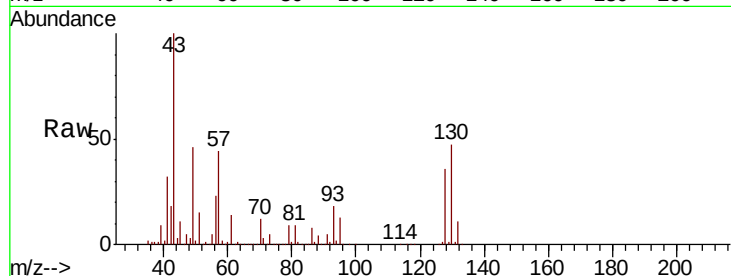


#25
Ethyl Acetate
Concen: 9.923 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2423831

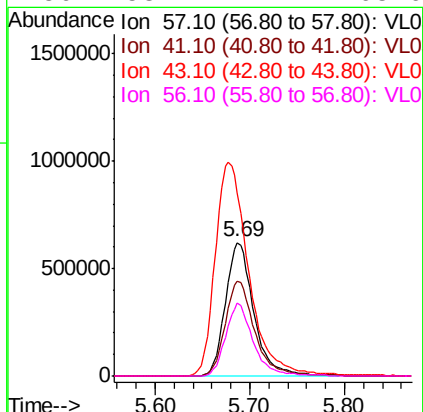
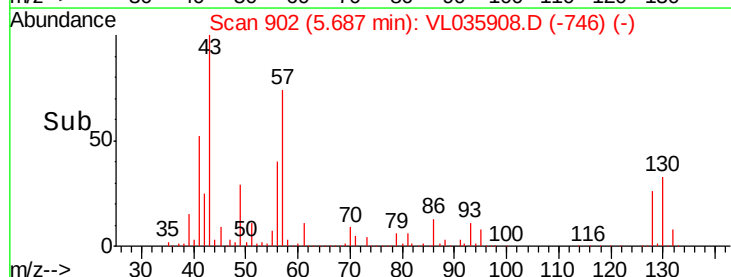
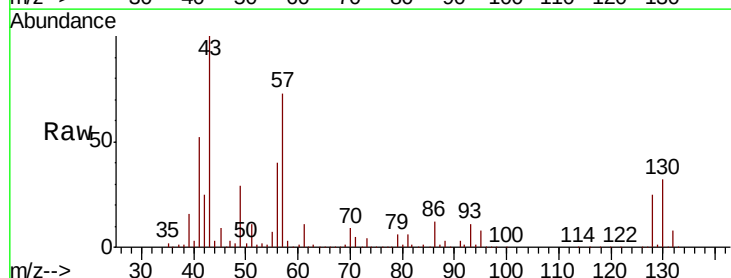
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	13.0	10.7	16.1
70	10.3	8.6	12.8

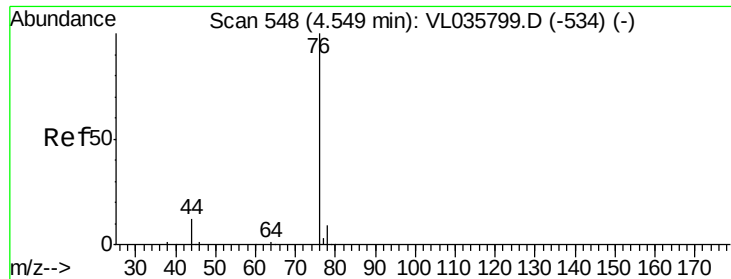


#26
Hexane
Concen: 9.582 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Tgt Ion: 57 Resp: 1290708

Ion	Ratio	Lower	Upper
57	100		
41	75.1	58.9	88.3
43	189.1	150.2	225.2
56	53.4	42.4	63.6





#27

Carbon Disulfide

Concen: 9.851 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

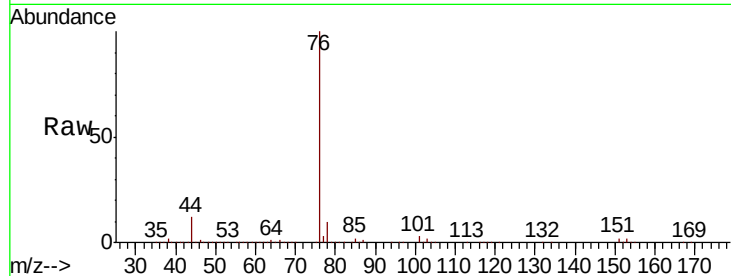
Tot Ion: 76 Resp: 1988326

Ion Ratio Lower Upper

76 100

44 12.5 9.9 14.9

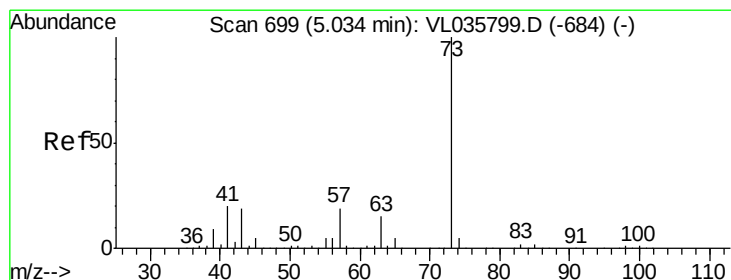
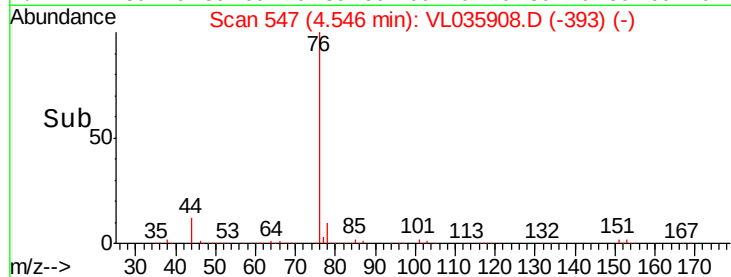
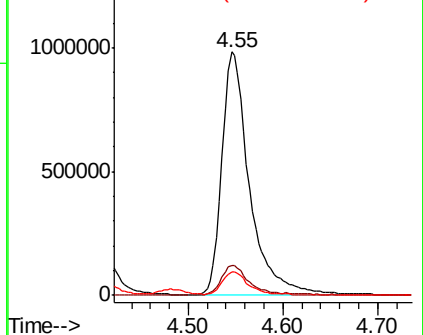
78 9.9 8.1 12.1



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: 9.170 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL035908.D

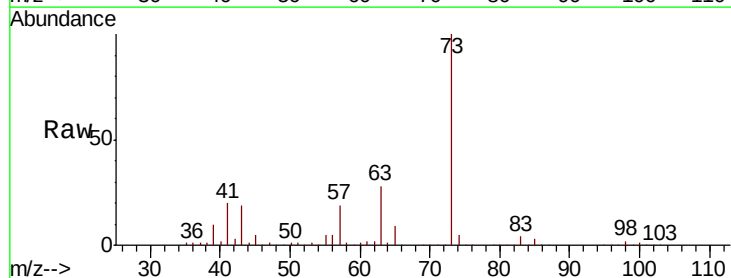
Acq: 12 Nov 2020 9:37

Tgt Ion: 73 Resp: 2218202

Ion Ratio Lower Upper

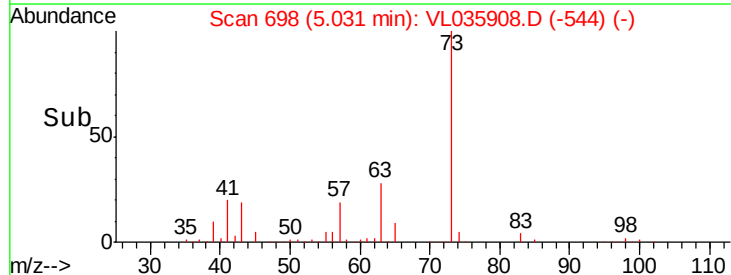
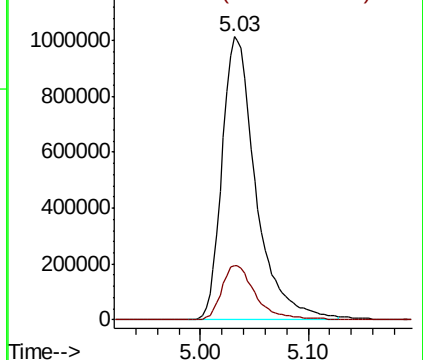
73 100

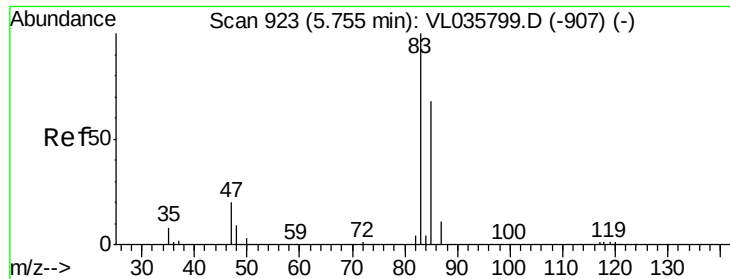
57 19.5 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

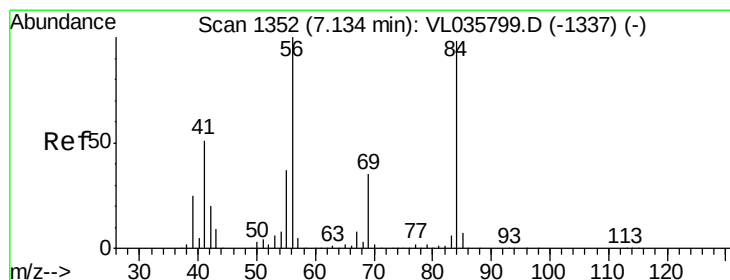
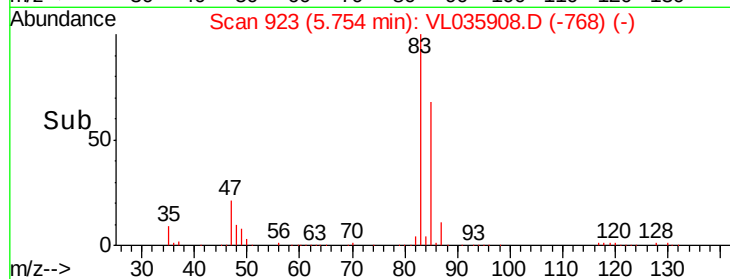
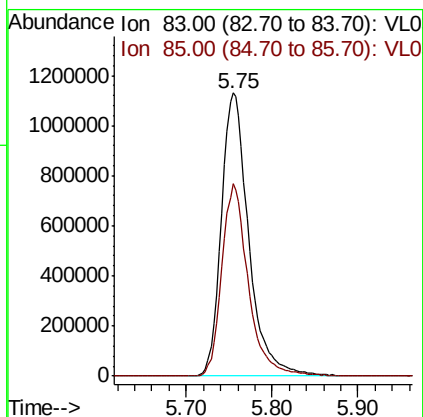
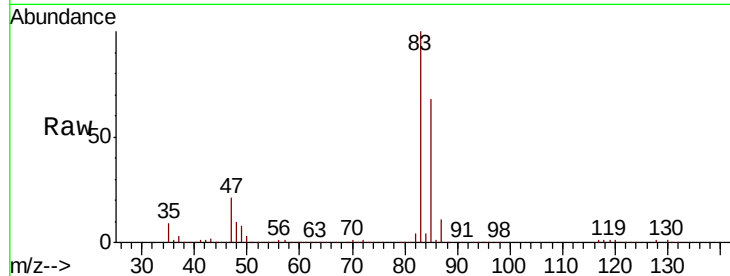




#29
Chloroform
Concen: 9.461 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

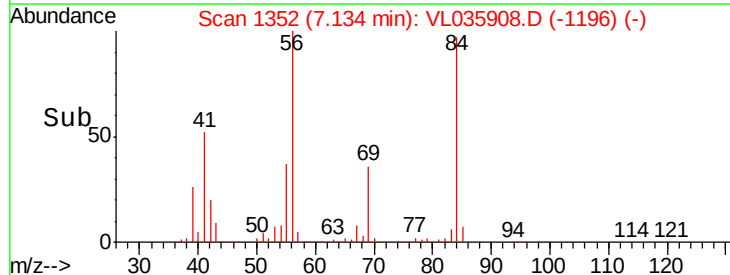
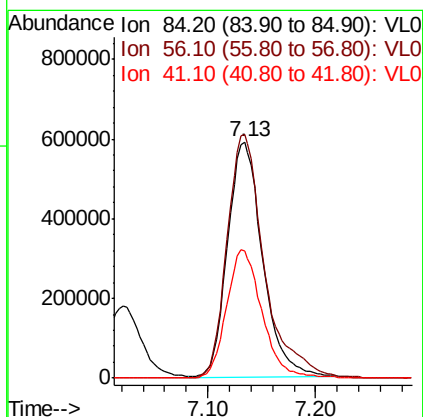
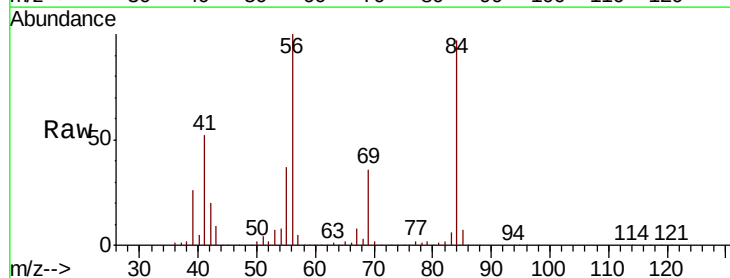
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

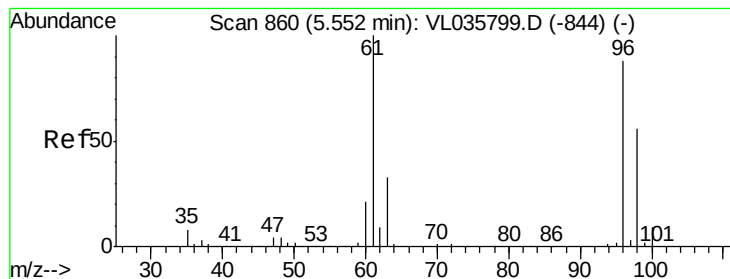
Tot Ion: 83 Resp: 2505052
Ion Ratio Lower Upper
83 100
85 67.8 54.6 81.8



#30
Cyclohexane
Concen: 9.130 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Tgt Ion: 84 Resp: 1339439
Ion Ratio Lower Upper
84 100
56 110.2 86.4 129.6
41 55.0 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.692 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

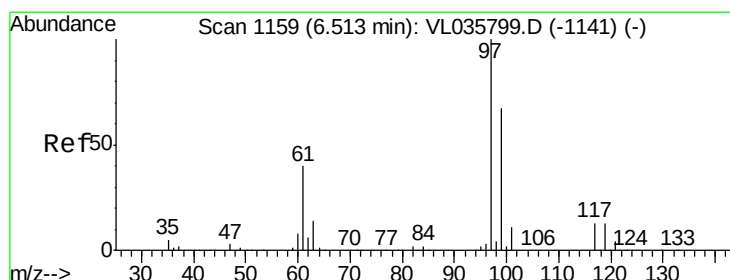
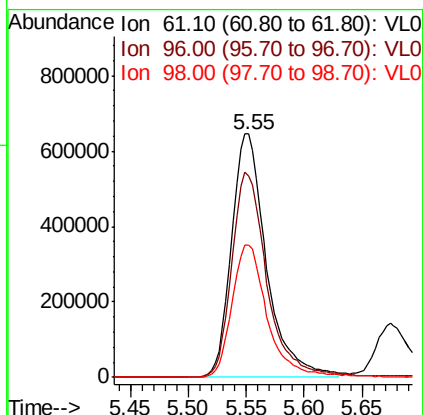
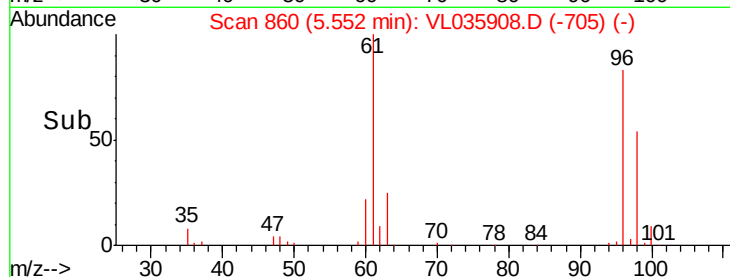
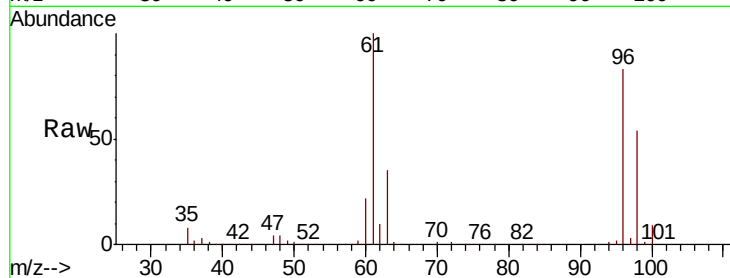
Tot Ion: 61 Resp: 1343124

Ion Ratio Lower Upper

61 100

96 82.5 70.3 105.5

98 54.4 45.0 67.6



#32

1,1,1-Trichloroethane

Concen: 8.891 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

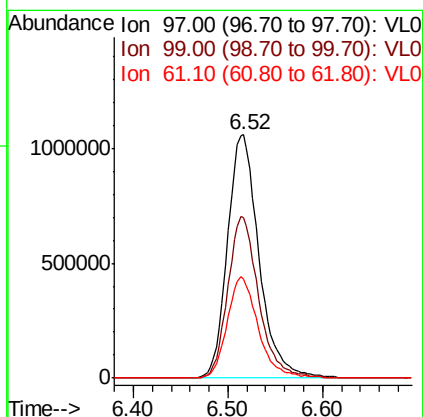
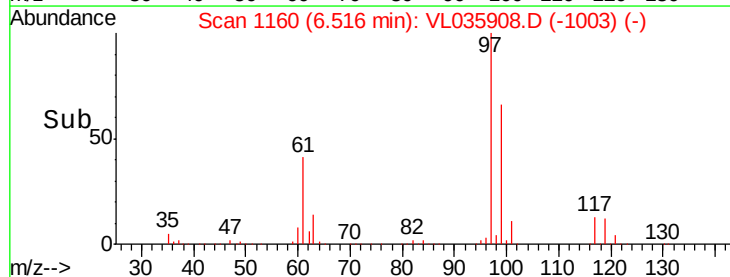
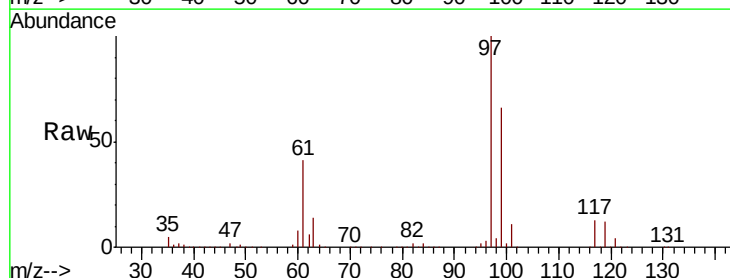
Tgt Ion: 97 Resp: 2456540

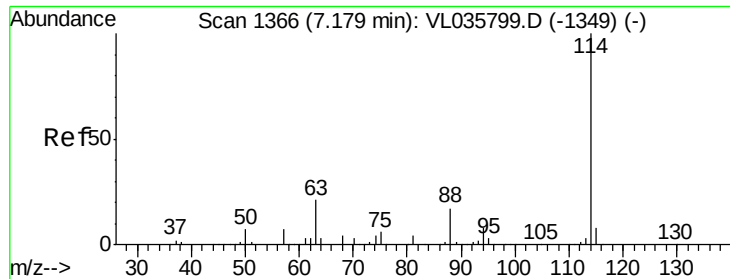
Ion Ratio Lower Upper

97 100

99 65.3 52.3 78.5

61 41.1 32.0 48.0

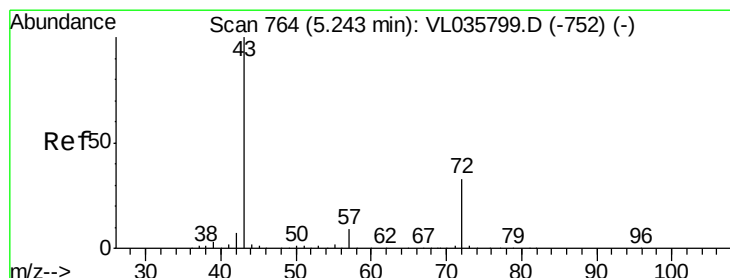
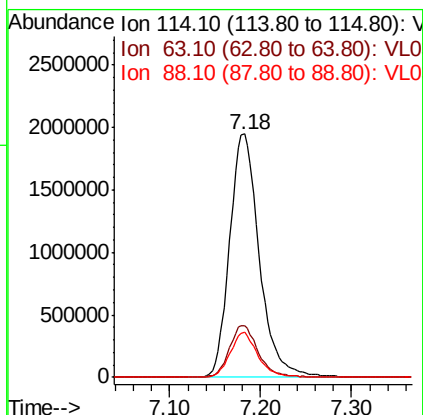
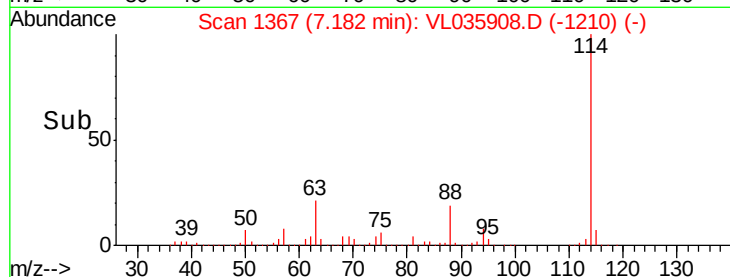
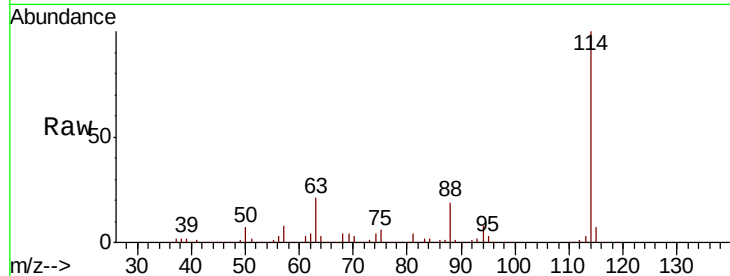




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

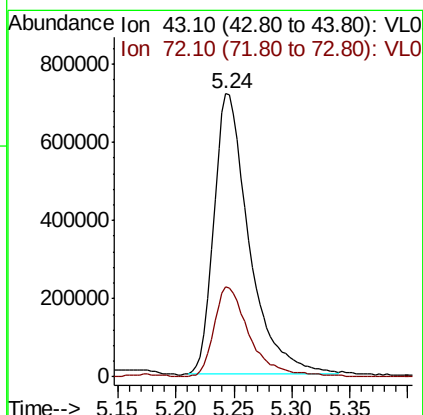
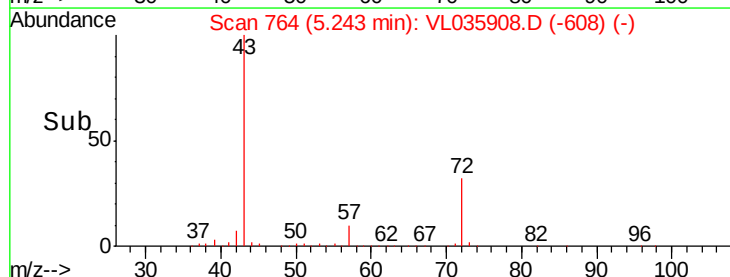
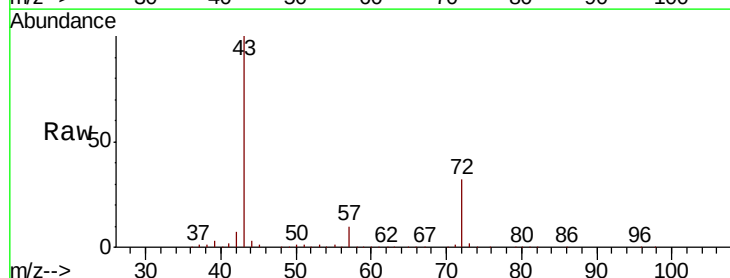
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

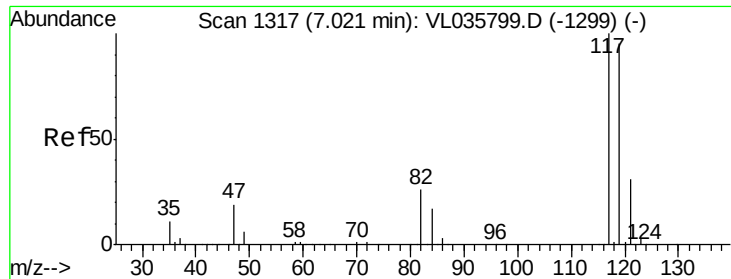
Tot Ion:114 Resp: 4410820
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.1 24.1
 88 17.4 13.7 20.5



#34
 2-Butanone
 Concen: 10.658 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Tgt Ion: 43 Resp: 1525685
 Ion Ratio Lower Upper
 43 100
 72 32.9 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.301 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

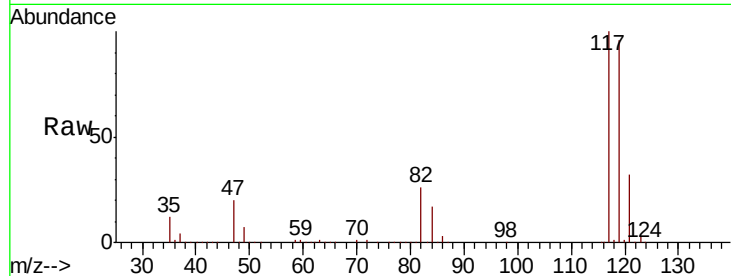
Tot Ion:117 Resp: 2427738

Ion Ratio Lower Upper

117 100

119 95.9 75.6 113.4

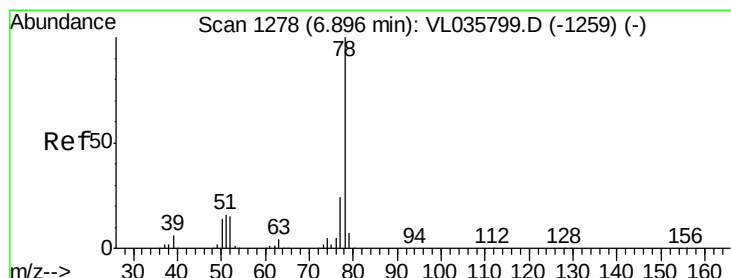
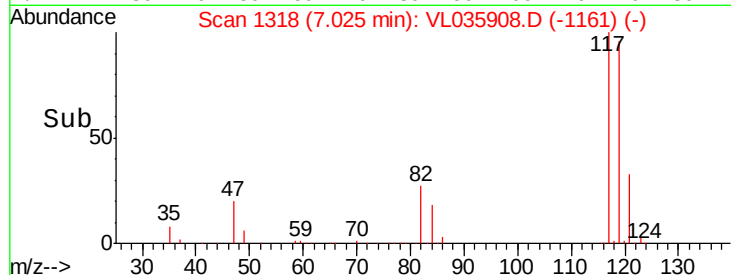
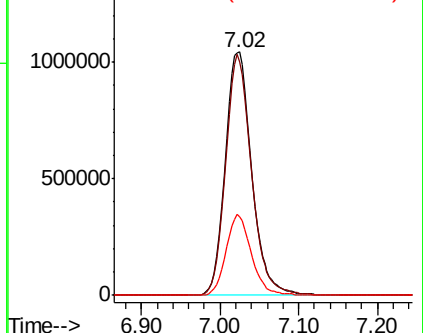
121 32.2 25.1 37.7



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: 9.739 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

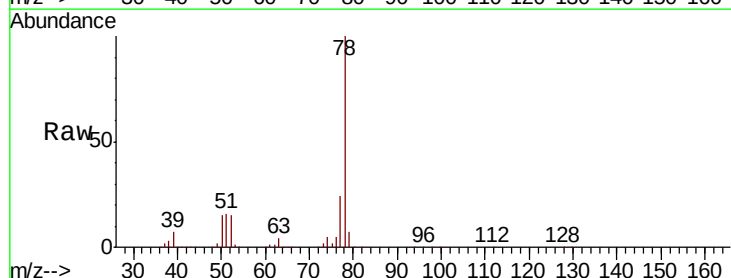
Tgt Ion: 78 Resp: 3193728

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

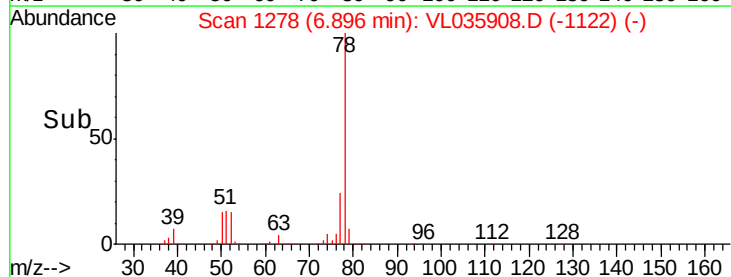
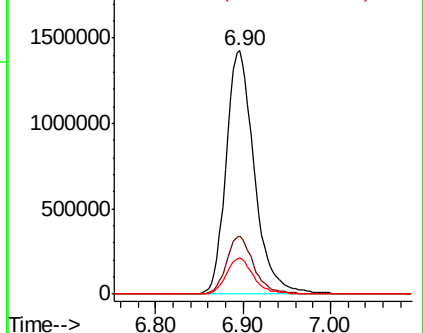
50 14.6 11.4 17.2

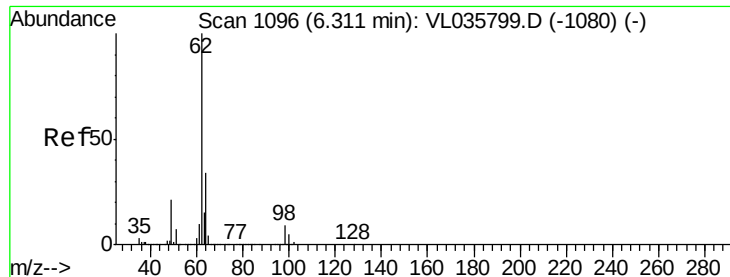


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

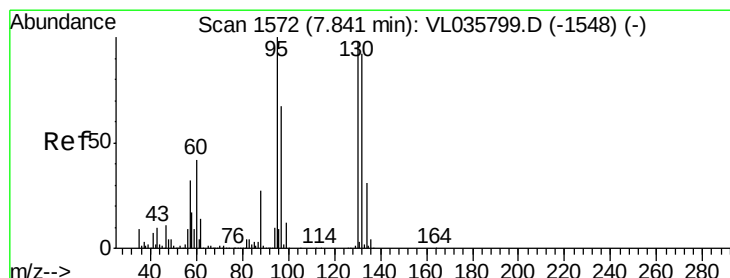
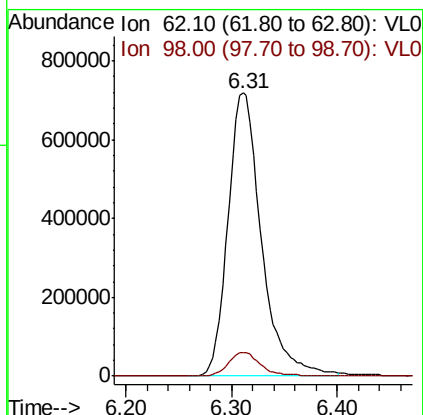
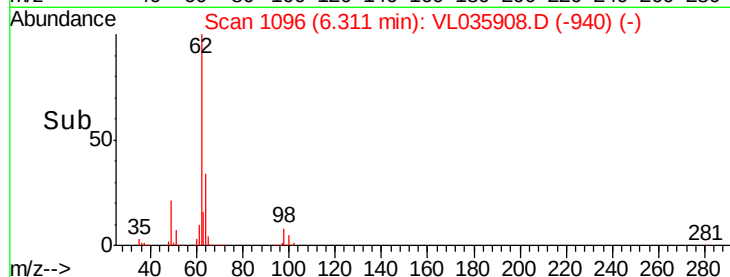
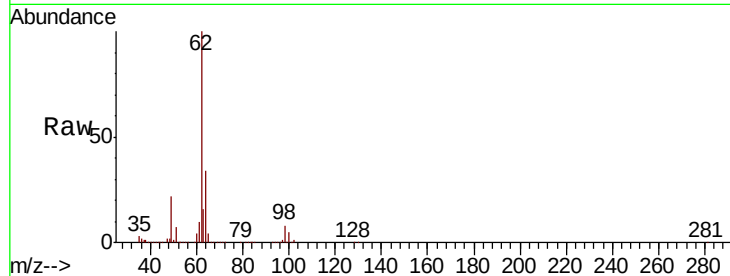




#37
 1,2-Dichloroethane
 Concen: 10.659 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

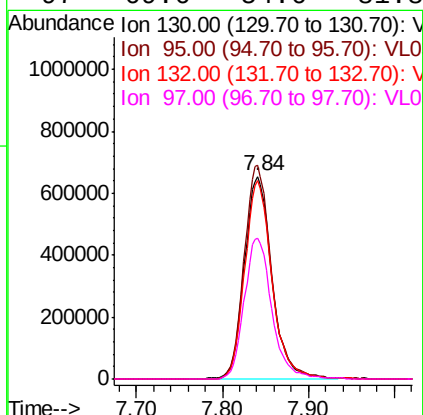
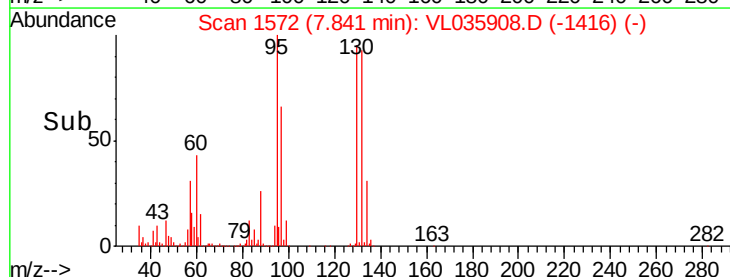
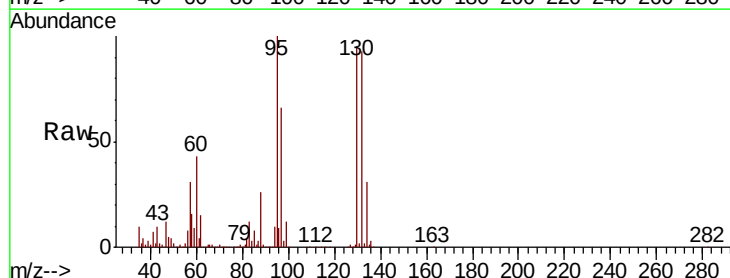
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

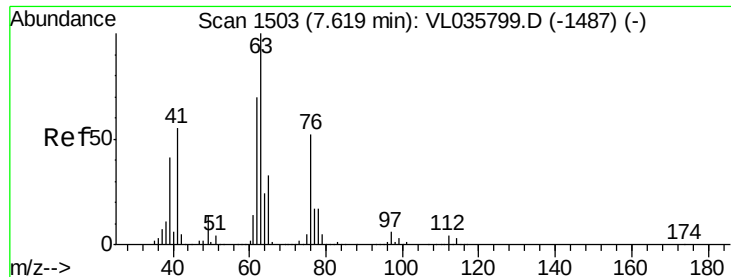
Tot Ion: 62 Resp: 1583444
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.9 10.3



#38
 Trichloroethene
 Concen: 9.114 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Tgt Ion: 130 Resp: 1459805
 Ion Ratio Lower Upper
 130 100
 95 105.4 81.6 122.4
 132 97.9 75.1 112.7
 97 69.6 54.6 81.8





#39

1,2-Dichloropropane

Concen: 10.112 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

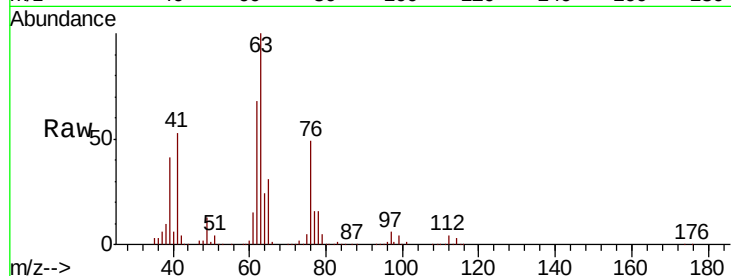
Tot Ion: 63 Resp: 1116362

Ion Ratio Lower Upper

63 100

41 53.1 43.8 65.6

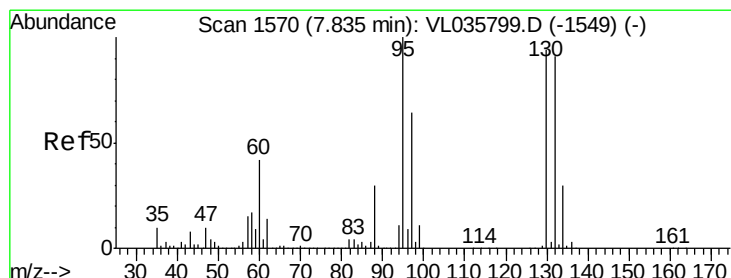
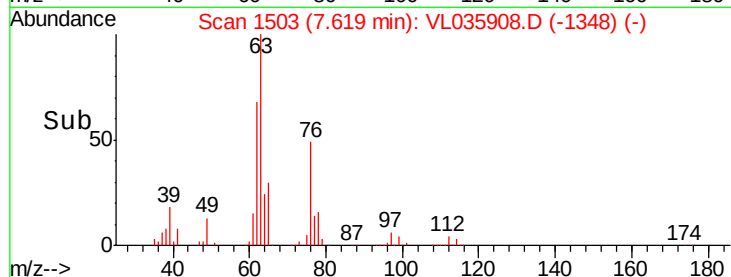
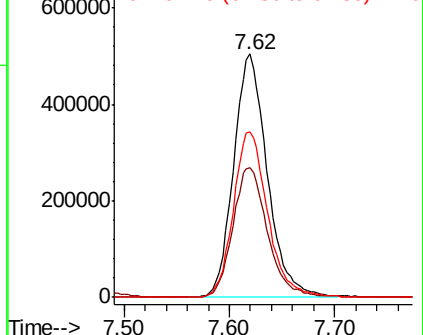
62 68.0 56.2 84.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.532 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Tgt Ion: 88 Resp: 498756

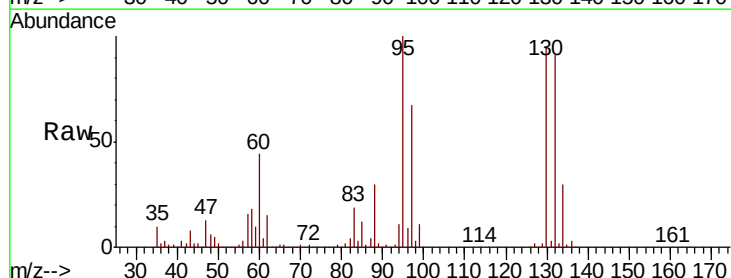
Ion Ratio Lower Upper

88 100

58 100.7 76.2 114.2

43 165.7 123.1 184.7

57 879.0 661.0 991.4

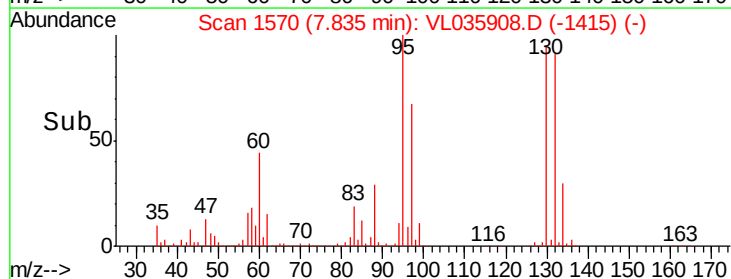
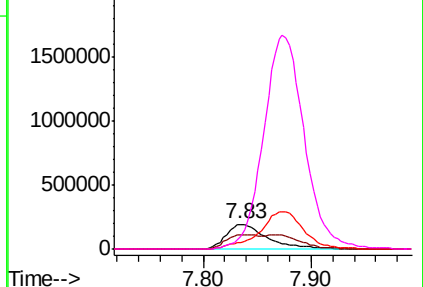


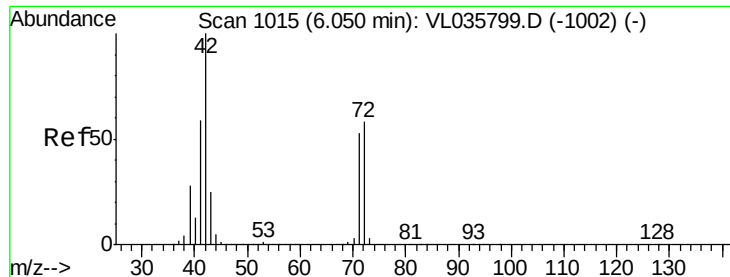
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.123 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

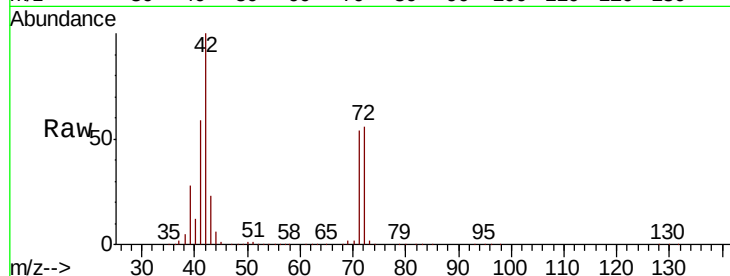
Tot Ion: 42 Resp: 904582

Ion Ratio Lower Upper

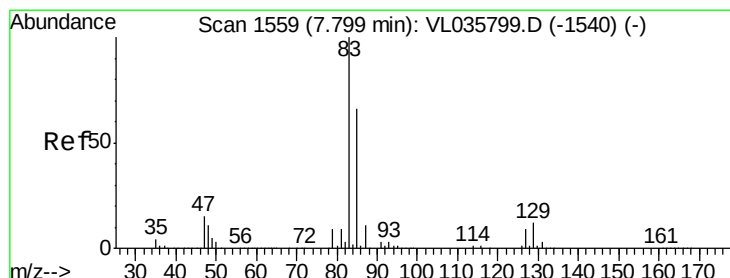
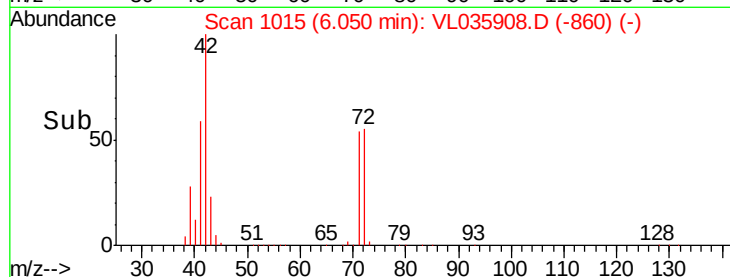
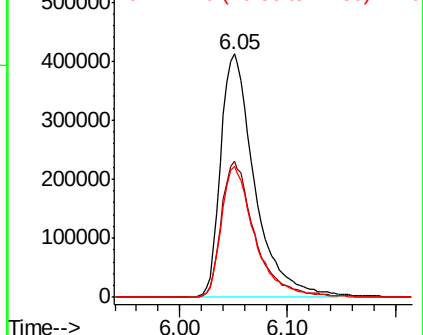
42 100

72 55.6 45.4 68.0

71 53.4 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: 10.486 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

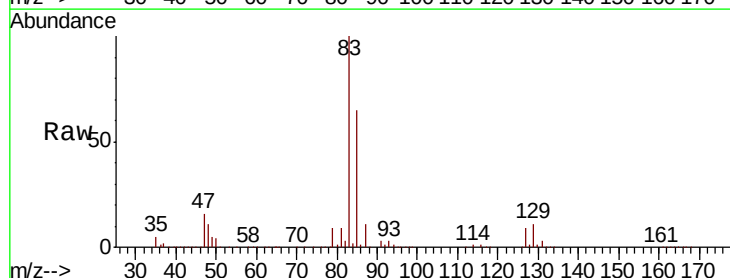
Tgt Ion: 83 Resp: 2628525

Ion Ratio Lower Upper

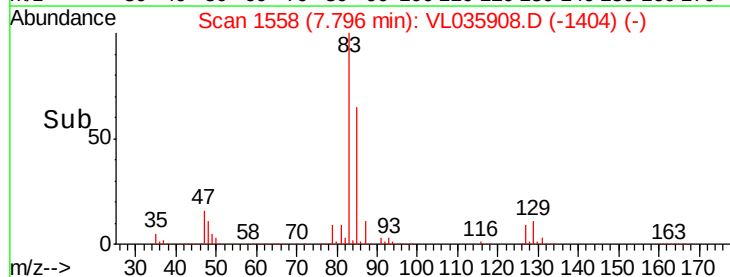
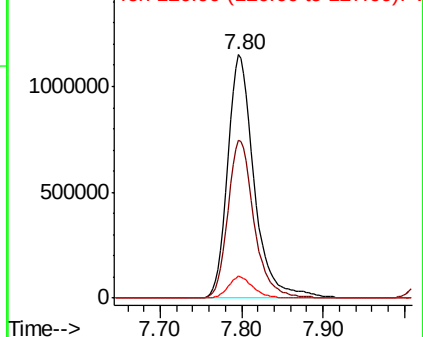
83 100

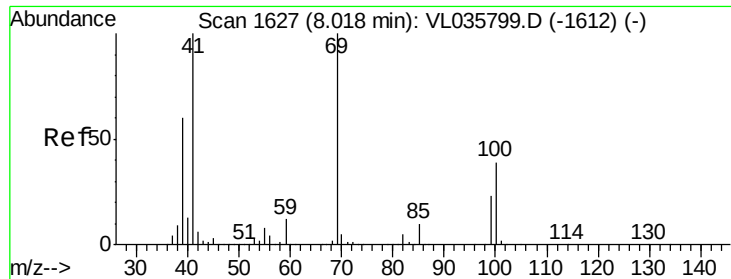
85 64.9 53.1 79.7

127 8.9 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

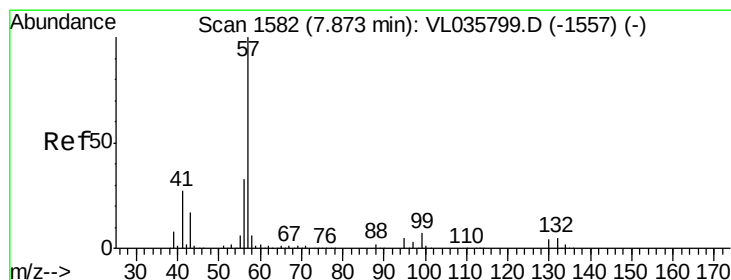
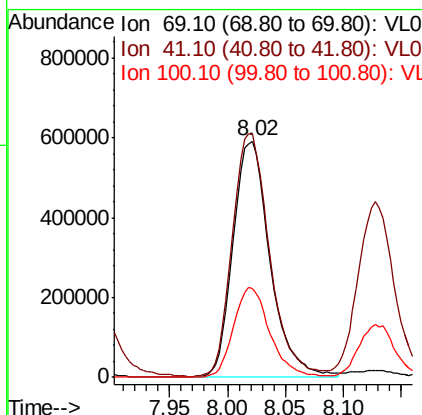
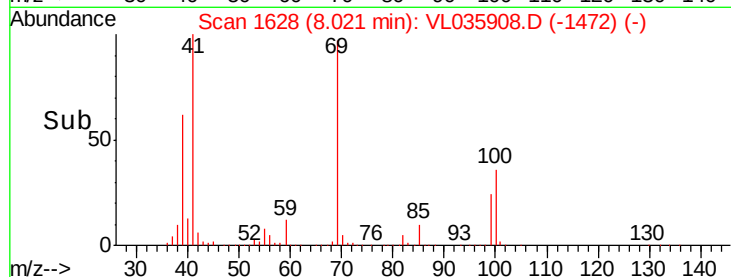
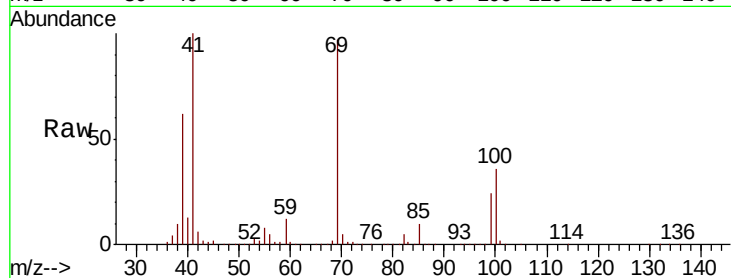




#43
Methyl Methacrylate
Concen: 10.465 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

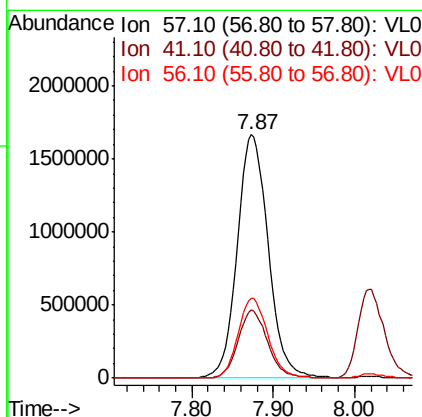
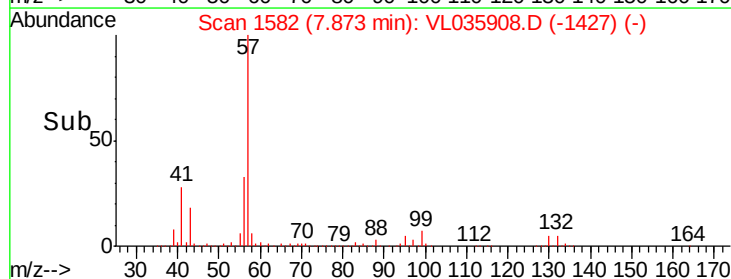
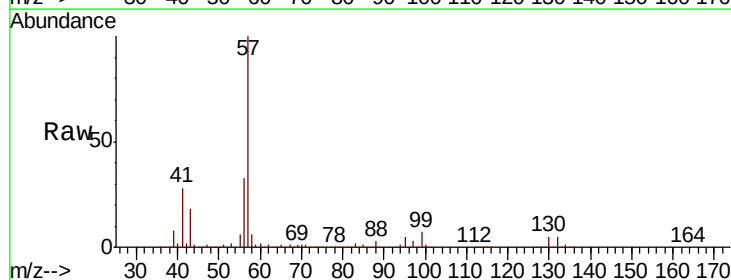
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

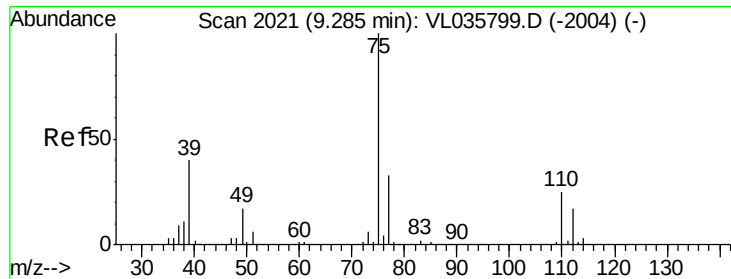
Tot Ion: 69 Resp: 1308917
Ion Ratio Lower Upper
69 100
41 104.0 81.1 121.7
100 37.3 31.0 46.4



#44
2,2,4-Trimethylpentane
Concen: 10.100 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Tgt Ion: 57 Resp: 4382811
Ion Ratio Lower Upper
57 100
41 26.6 21.0 31.4
56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.461 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. 0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

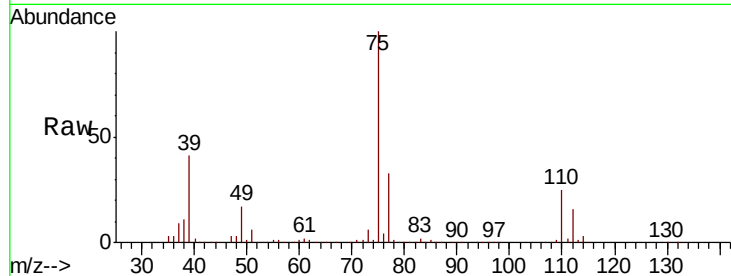
VSTDCCC010

Tot Ion: 75 Resp: 1387037

Ion Ratio Lower Upper

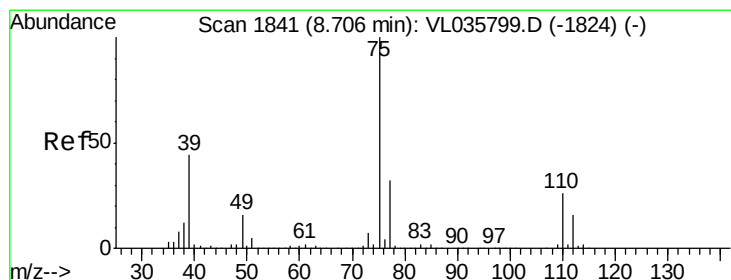
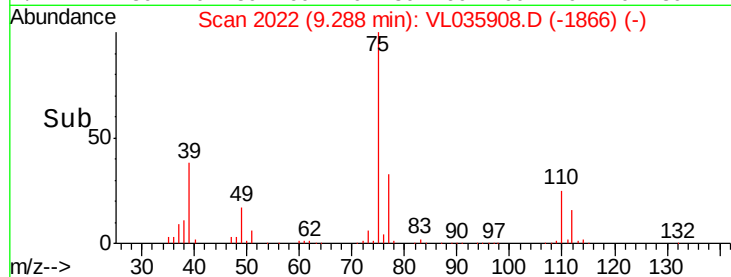
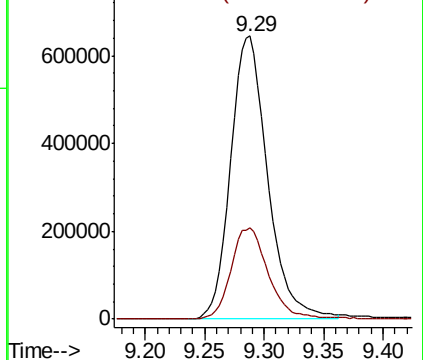
75 100

77 32.5 26.4 39.6



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: 10.357 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

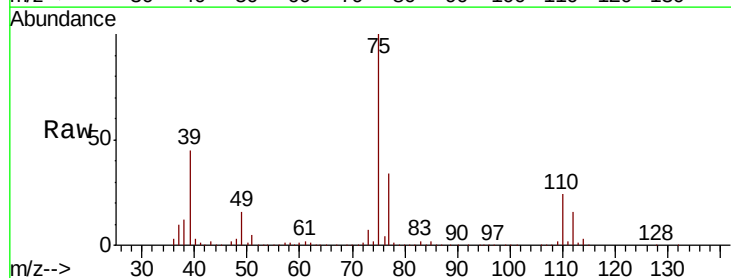
Tgt Ion: 75 Resp: 1739177

Ion Ratio Lower Upper

75 100

39 45.0 35.1 52.7

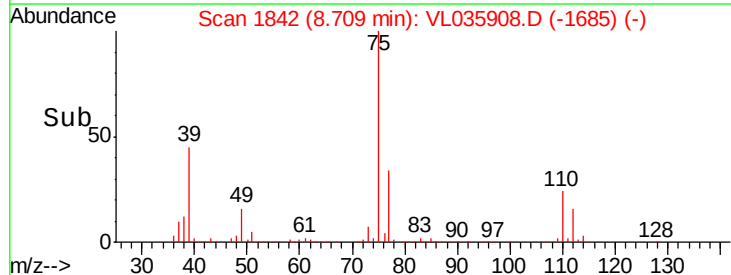
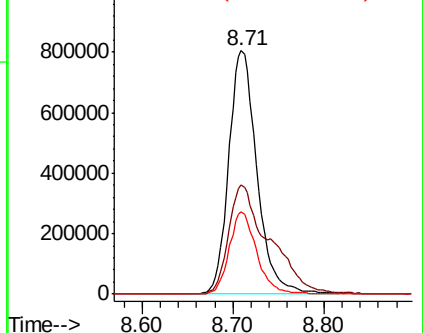
77 33.7 25.7 38.5

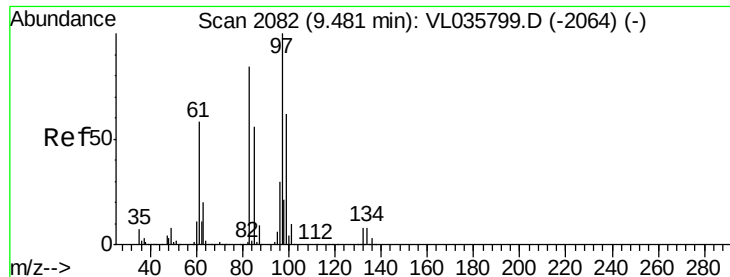


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



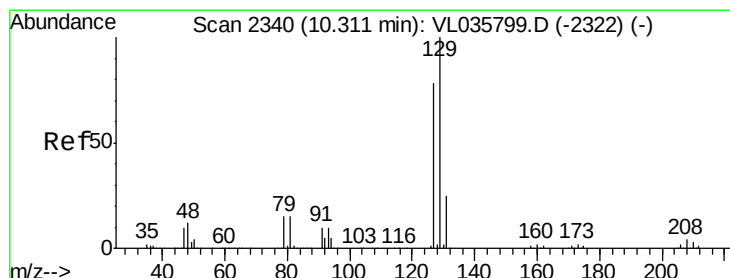
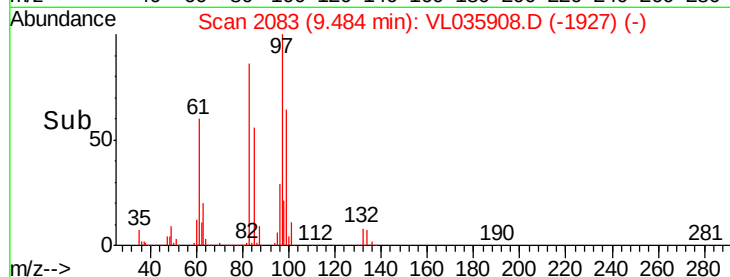
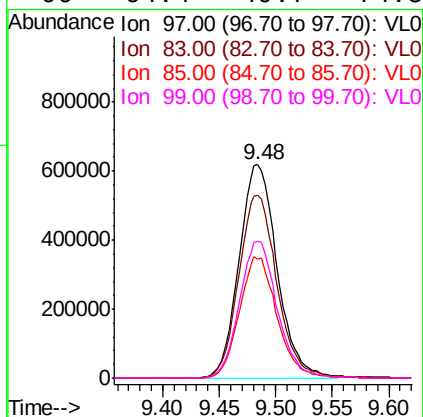
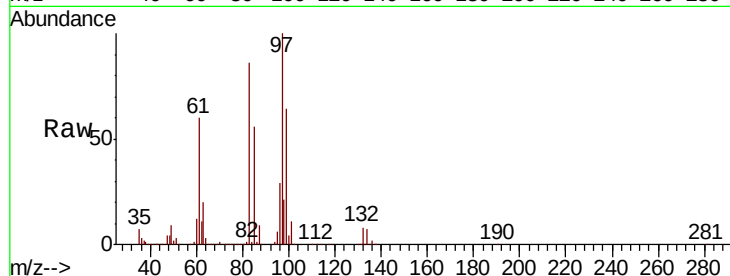


#47
 1,1,2-Trichloroethane
 Concen: 9.649 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1451560

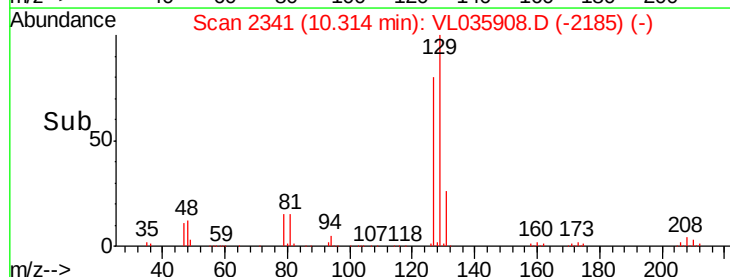
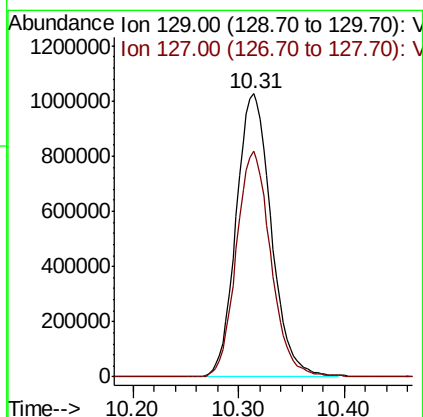
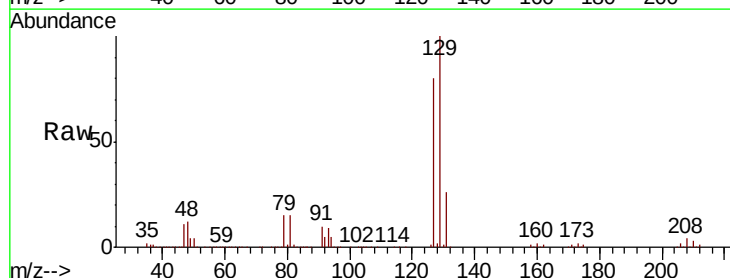
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.1	100.7
85	55.5	44.7	67.1
99	64.4	49.7	74.5

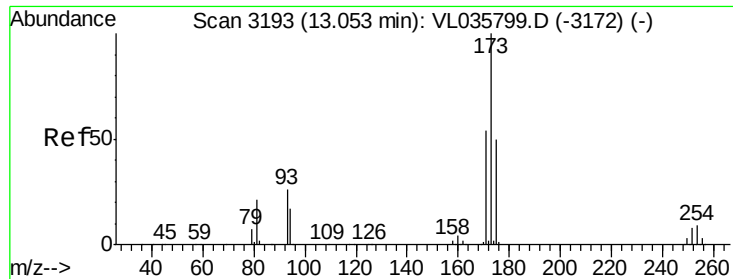


#48
 Dibromochloromethane
 Concen: 10.334 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Tgt Ion: 129 Resp: 2374882

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6





#49

Bromoform

Concen: 10.213 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

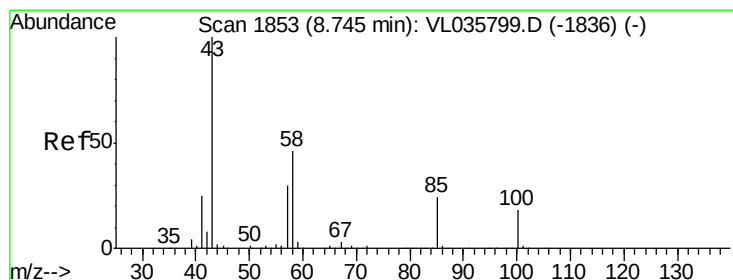
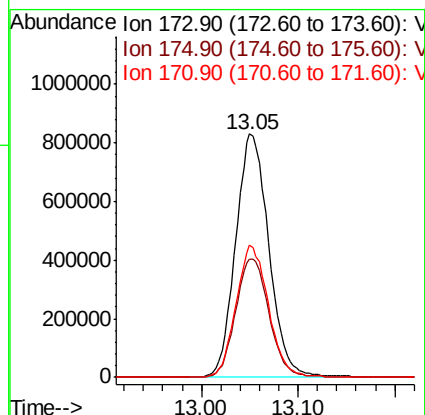
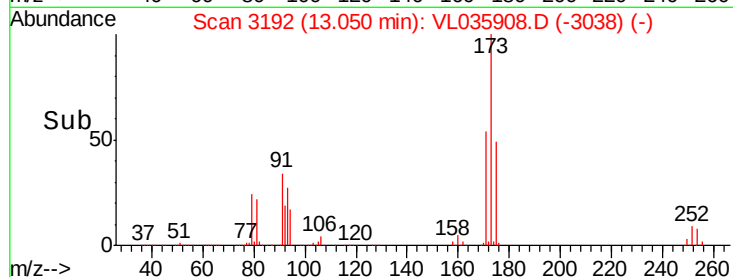
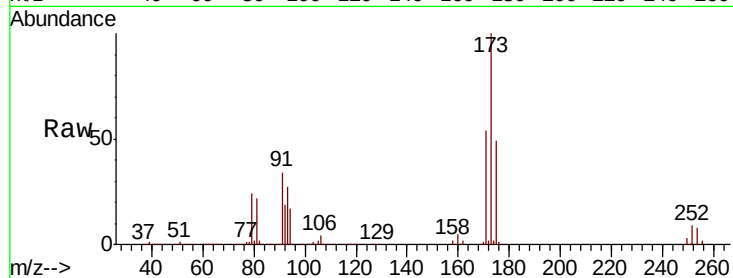
Tot Ion:173 Resp: 1980508

Ion Ratio Lower Upper

173 100

175 49.5 40.1 60.1

171 53.4 42.6 63.8



#50

4-Methyl-2-Pentanone

Concen: 10.830 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL035908.D

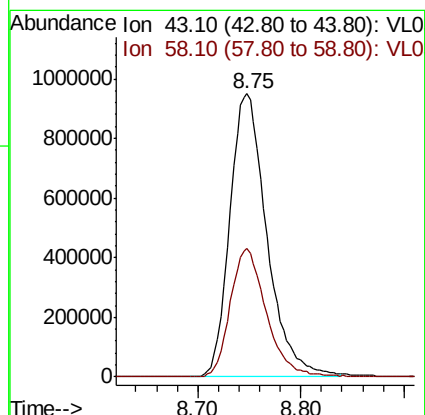
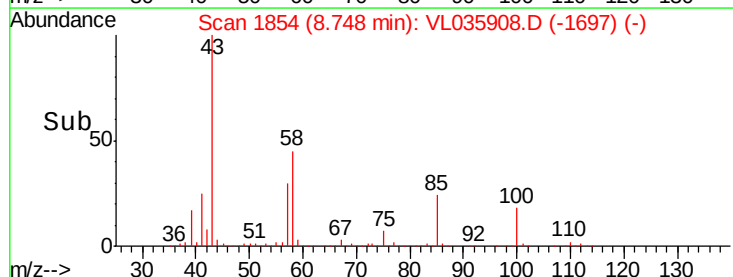
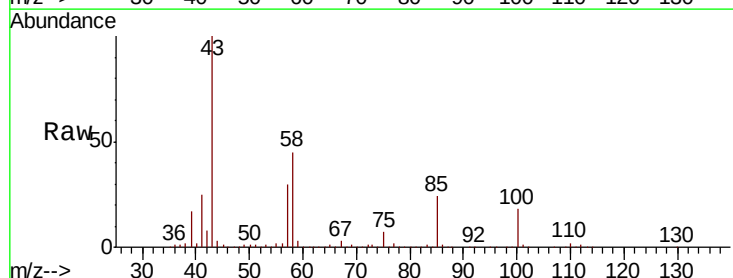
Acq: 12 Nov 2020 9:37

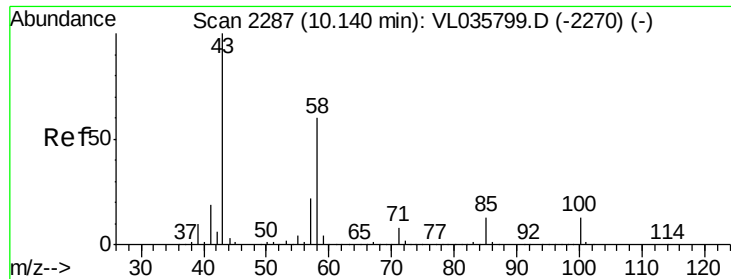
Tgt Ion: 43 Resp: 2370527

Ion Ratio Lower Upper

43 100

58 44.5 36.0 54.0





#51

2-Hexanone

Concen: 10.957 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

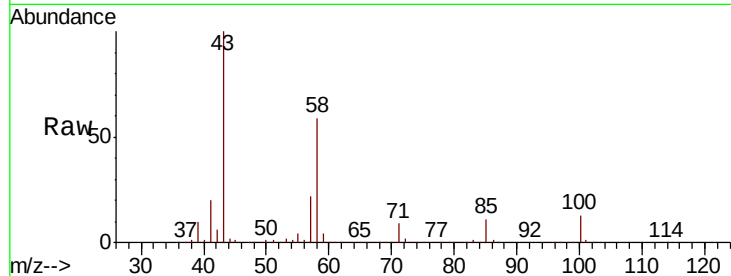
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1926667

Ion	Ratio	Lower	Upper
43	100		
58	59.2	48.3	72.5
98	0.7	0.6	0.8

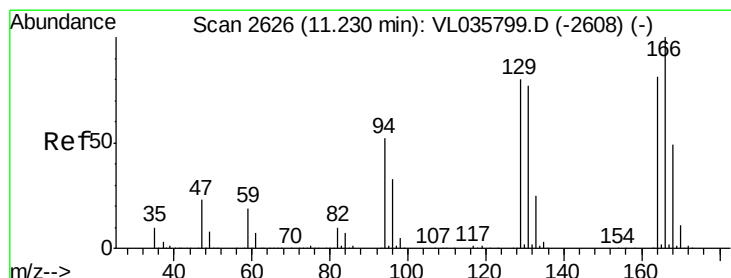
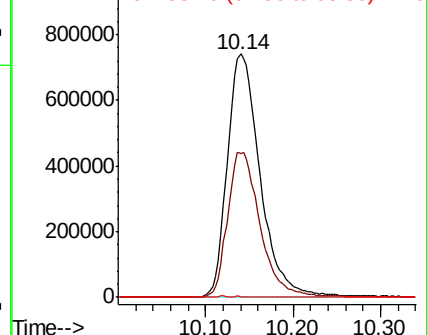
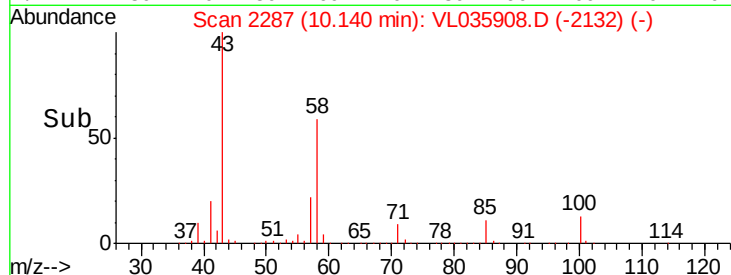


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.714 ppbv

RT: 11.23 min Scan# 2626

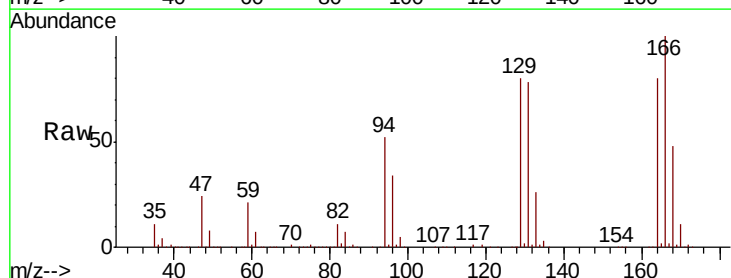
Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Tgt Ion: 164 Resp: 1353719

Ion	Ratio	Lower	Upper
164	100		
166	124.9	99.3	148.9
129	100.1	79.3	118.9
131	97.9	76.5	114.7



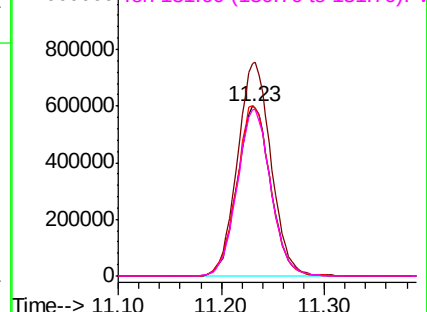
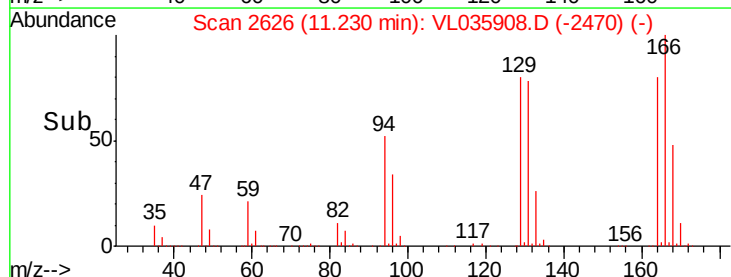
Abundance

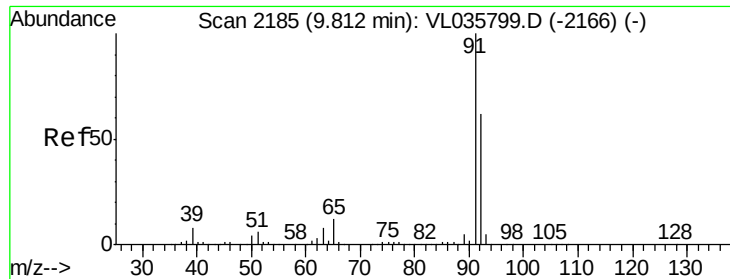
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.662 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

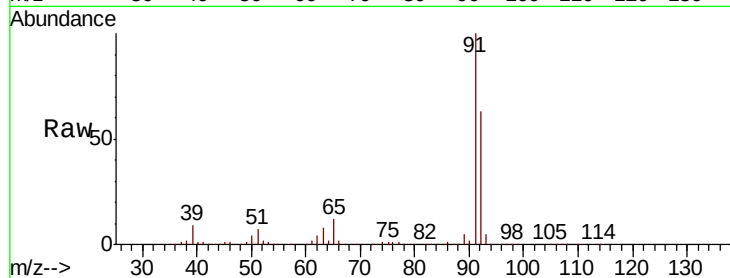
VSTDCCC010

Tot Ion: 91 Resp: 3823109

Ion Ratio Lower Upper

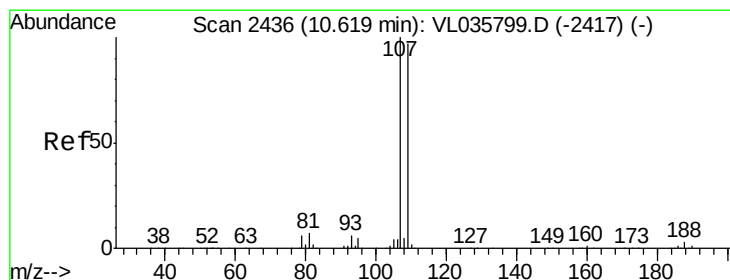
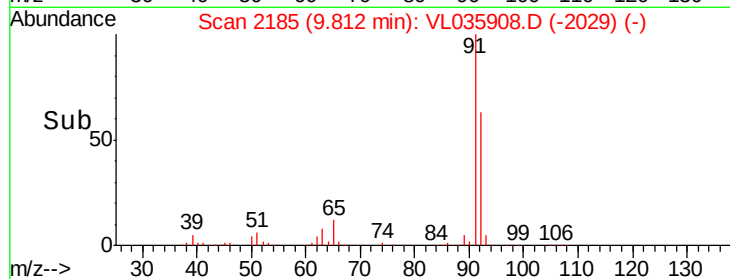
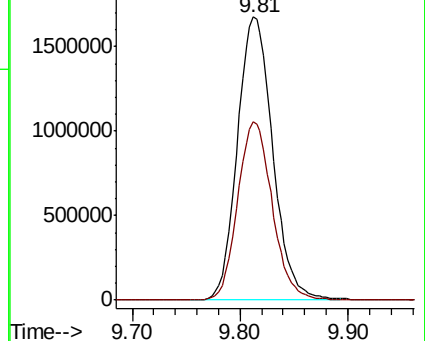
91 100

92 62.0 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.723 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL035908.D

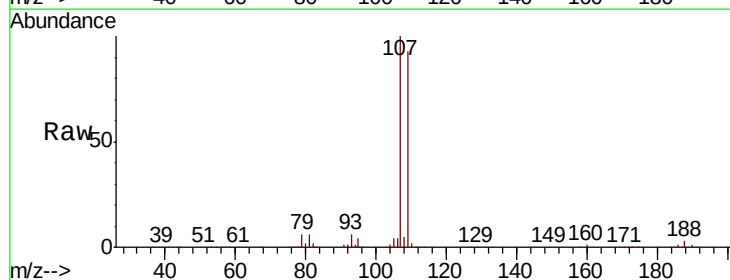
Acq: 12 Nov 2020 9:37

Tgt Ion: 107 Resp: 2224296

Ion Ratio Lower Upper

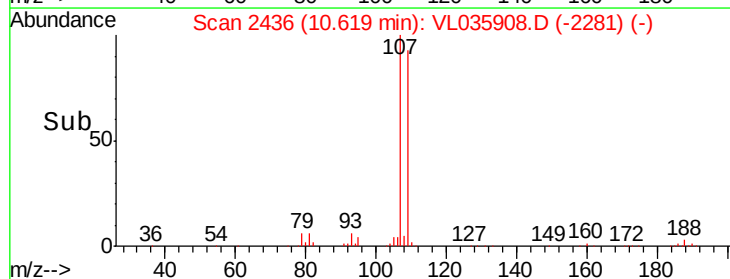
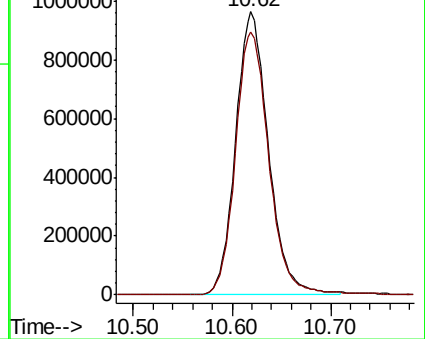
107 100

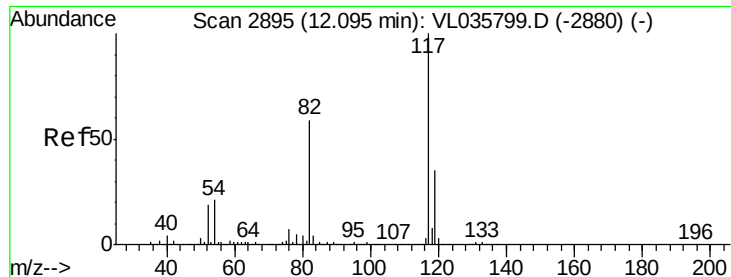
109 93.0 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

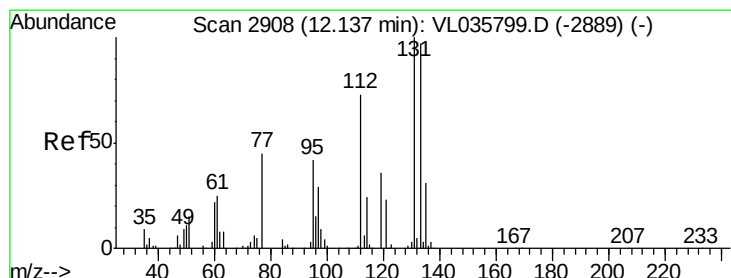
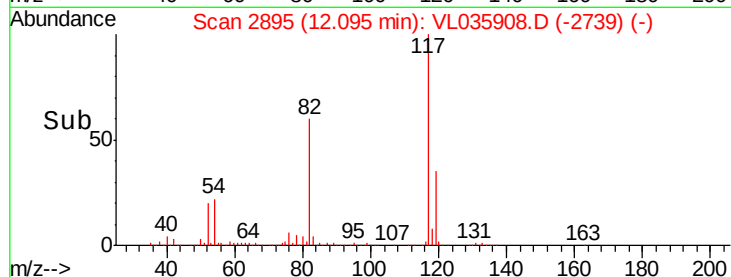
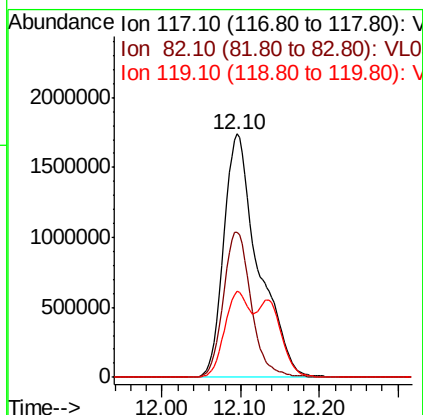
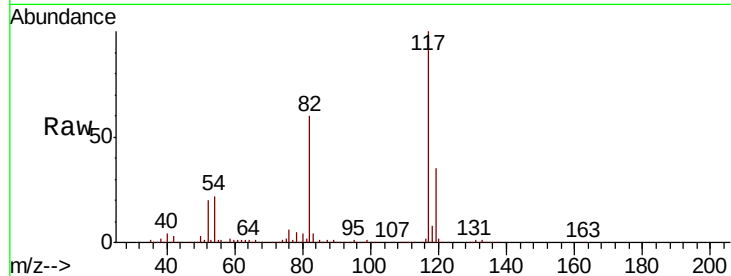




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

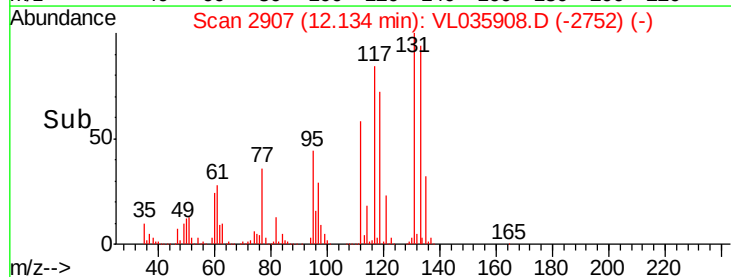
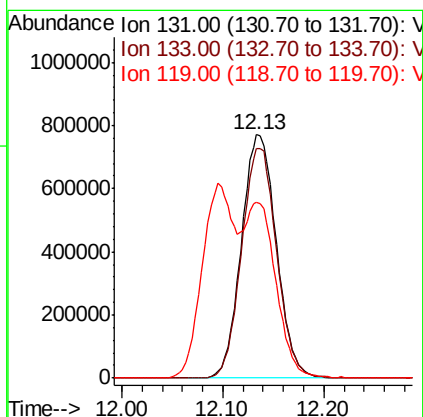
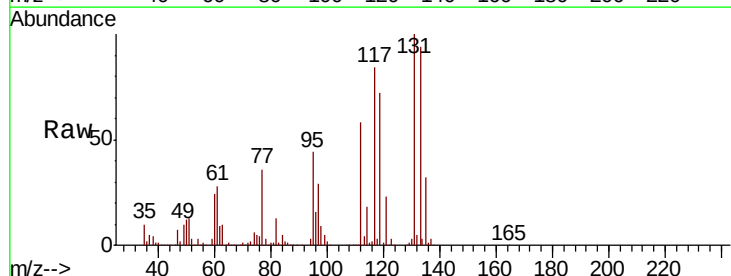
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

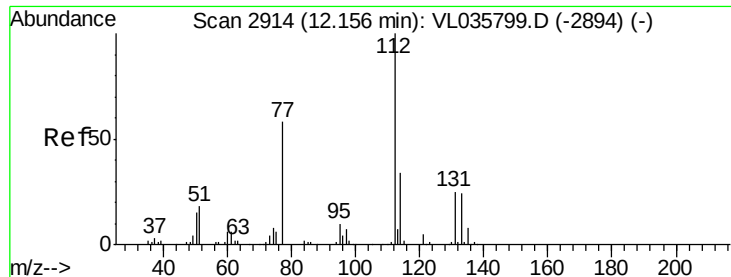
Tot Ion:117 Resp: 5333579
Ion Ratio Lower Upper
117 100
82 47.9 50.6 76.0#
119 28.4 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.708 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Tgt Ion:131 Resp: 1845237
Ion Ratio Lower Upper
131 100
133 95.1 76.8 115.2
119 59.6 47.4 71.0

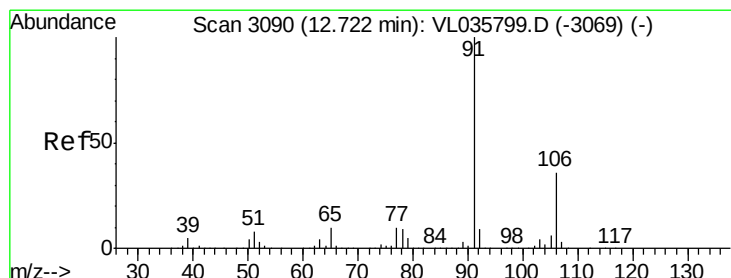
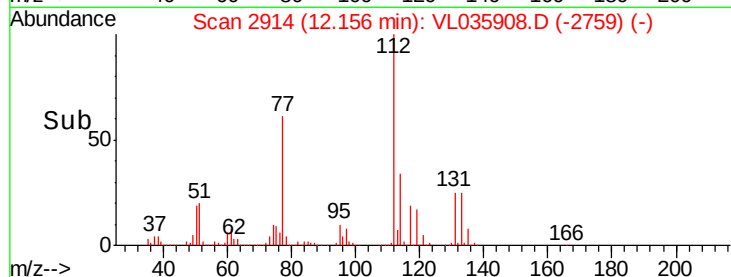
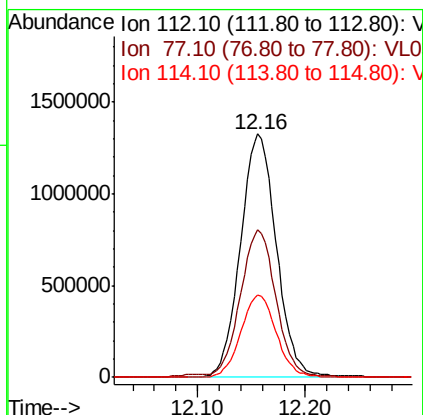
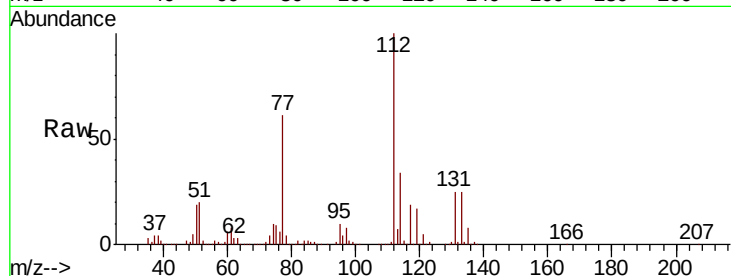




#57
Chlorobenzene
Concen: 7.253 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

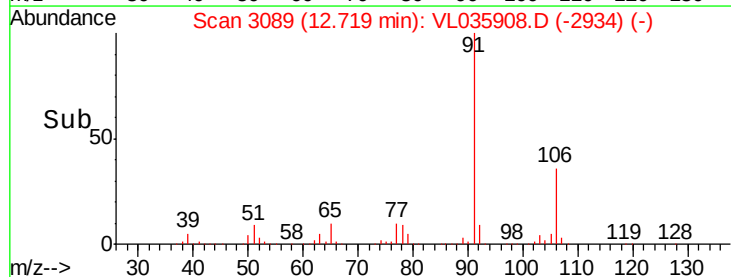
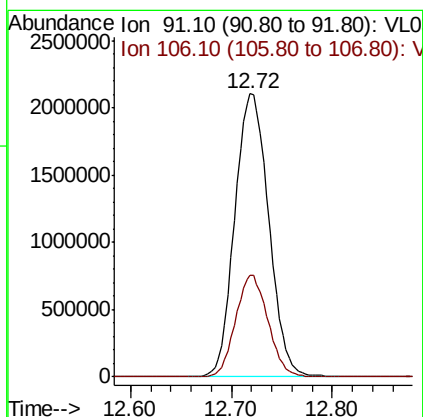
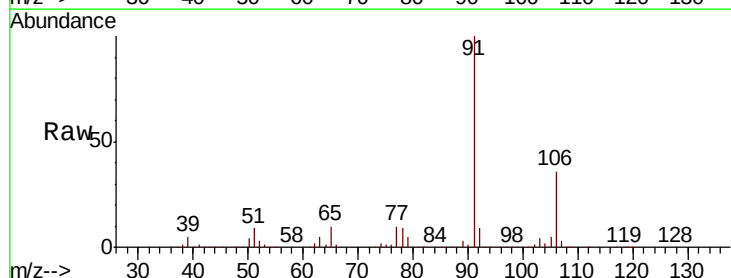
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

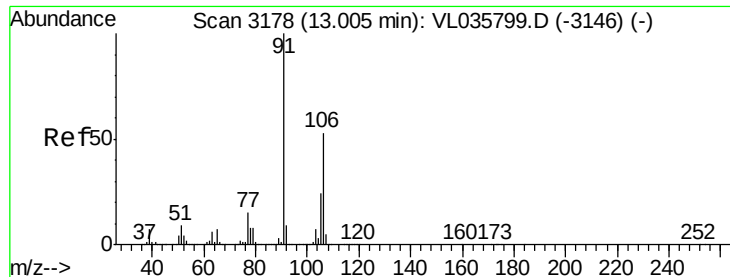
Tot Ion:112 Resp: 3075692
Ion Ratio Lower Upper
112 100
77 60.5 47.5 71.3
114 34.0 30.3 37.1



#58
Ethyl Benzene
Concen: 7.571 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Tgt Ion: 91 Resp: 4918024
Ion Ratio Lower Upper
91 100
106 35.7 28.6 43.0

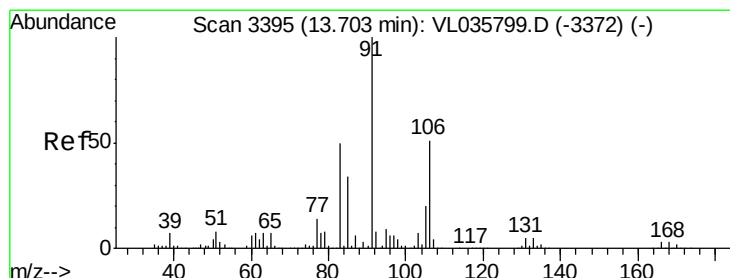
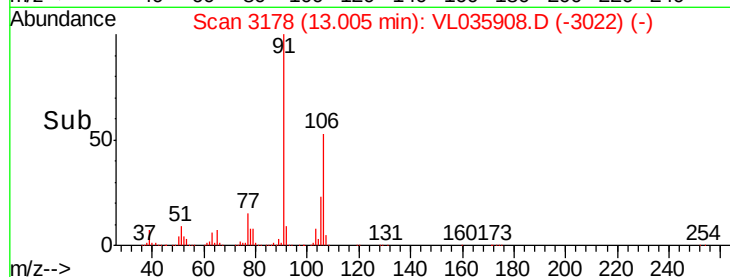
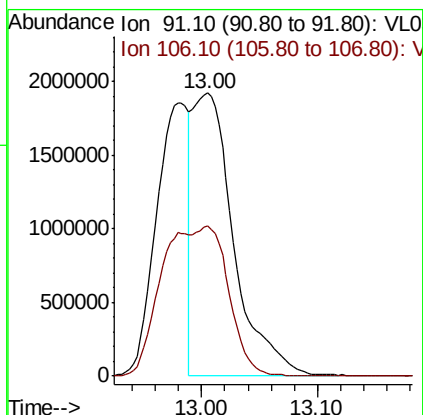
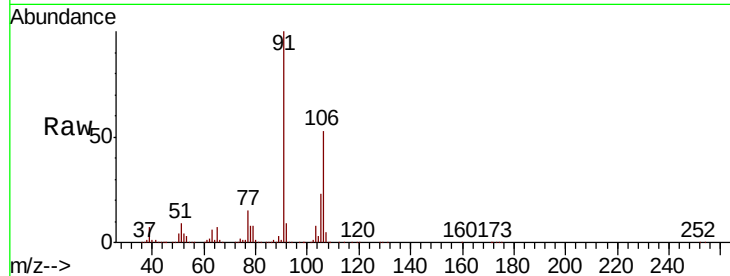




#59
m/p-Xylene
Concen: 8.496 ppbv
RT: 13.00 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

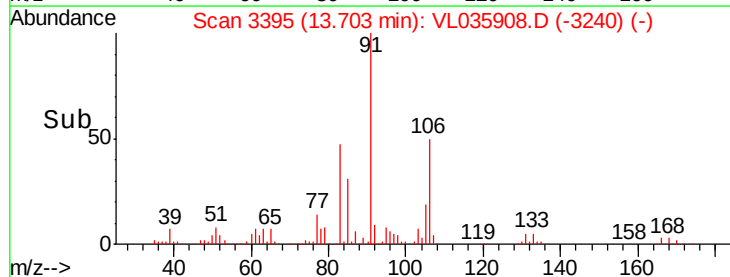
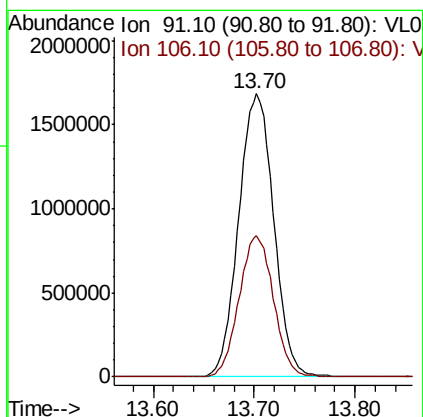
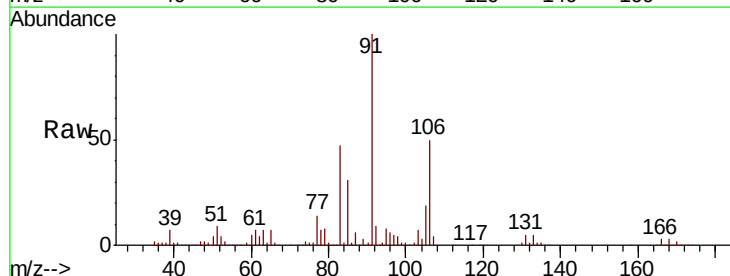
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

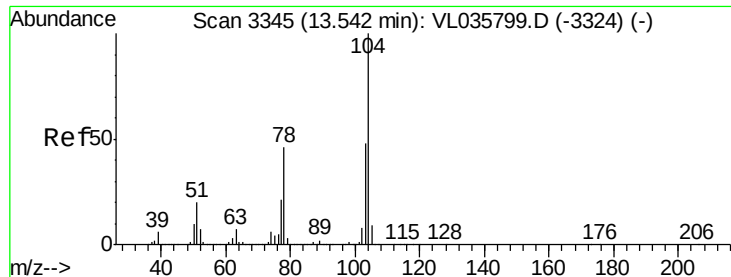
Tot Ion: 91 Resp: 4669464
Ion Ratio Lower Upper
91 100
106 87.1 39.5 59.3#



#60
o-Xylene
Concen: 7.566 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Tgt Ion: 91 Resp: 4045237
Ion Ratio Lower Upper
91 100
106 49.1 24.8 74.4





#61

Stvrene

Concen: 7.777 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

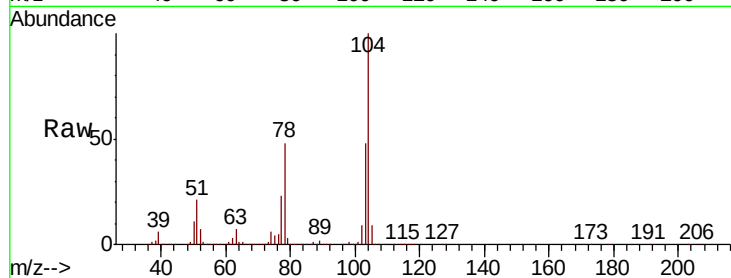
Tot Ion:104 Resp: 3046576

Ion Ratio Lower Upper

104 100

78 47.0 37.1 55.7

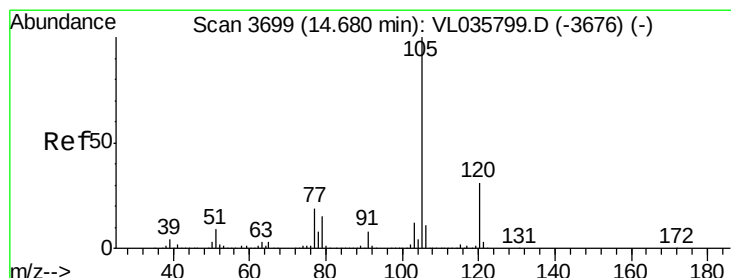
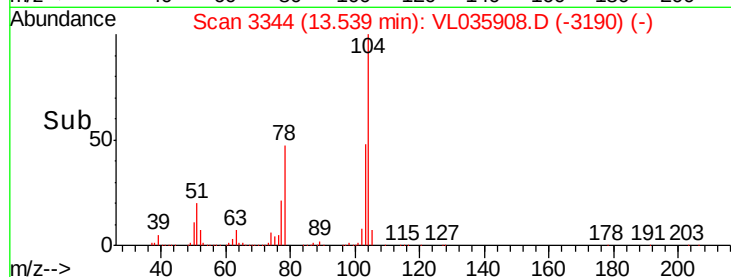
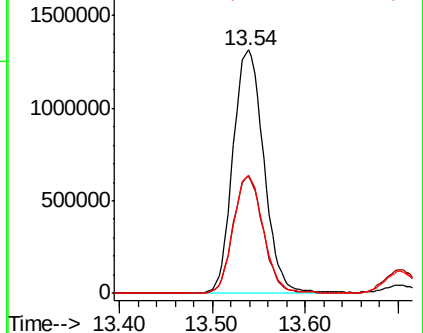
103 47.4 37.9 56.9



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: 7.212 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL035908.D

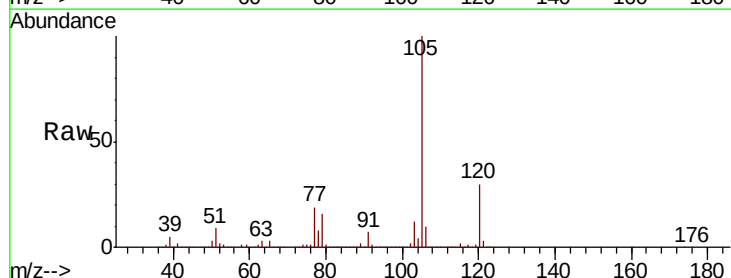
Acq: 12 Nov 2020 9:37

Tgt Ion:105 Resp: 6060358

Ion Ratio Lower Upper

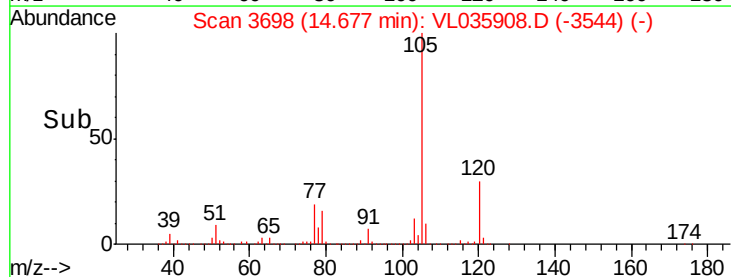
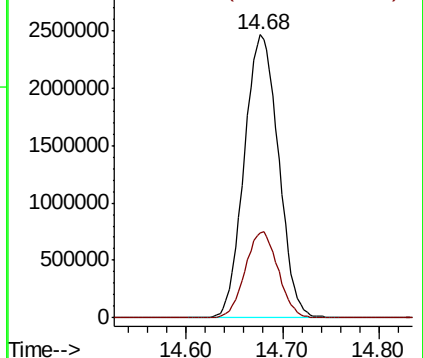
105 100

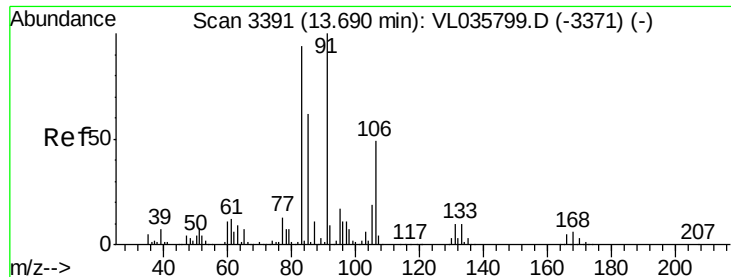
120 29.1 23.5 35.3



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: 6.912 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

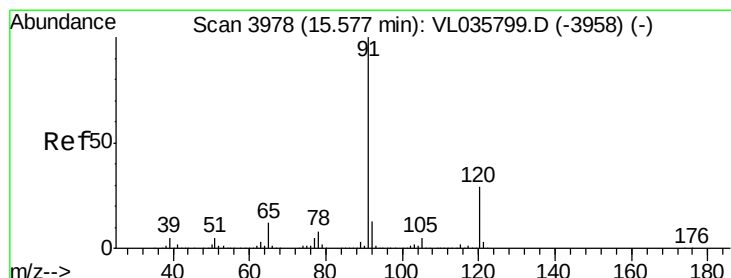
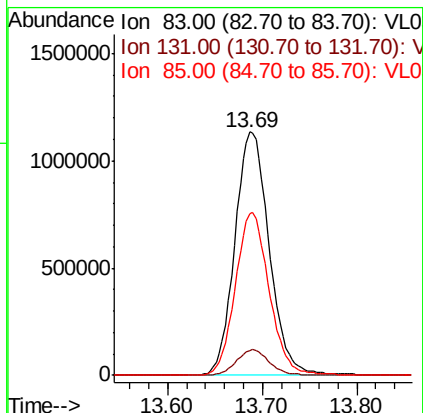
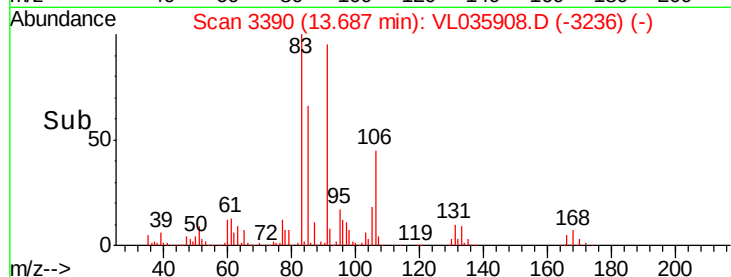
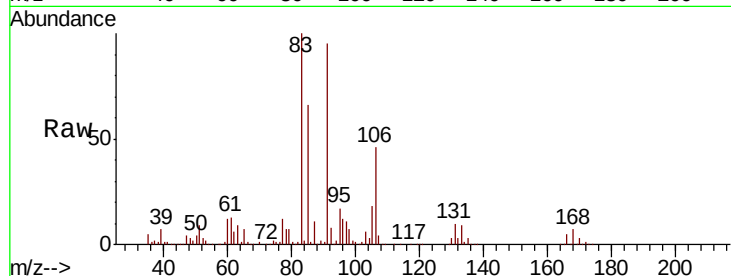
Tot Ion: 83 Resp: 2863206

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

85 66.4 33.5 100.4



#64

n-propylbenzene

Concen: 7.319 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. -0.01 min

Lab File: VL035908.D

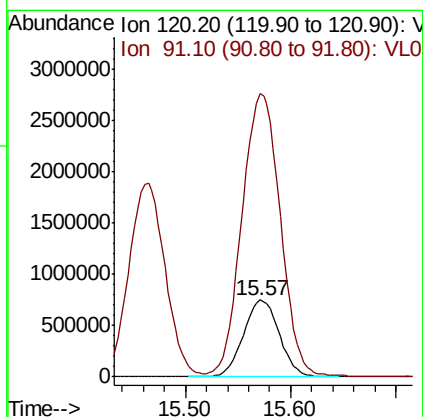
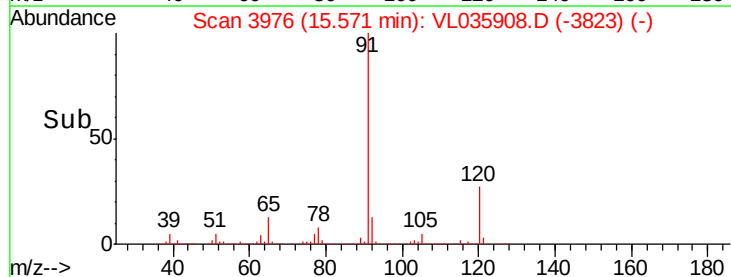
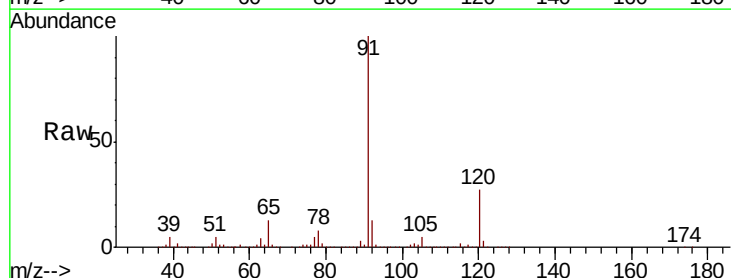
Acq: 12 Nov 2020 9:37

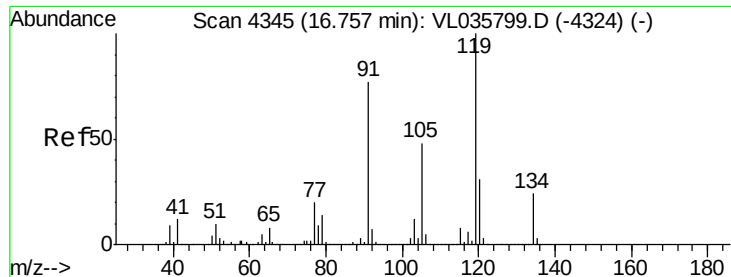
Tgt Ion: 120 Resp: 1777809

Ion Ratio Lower Upper

120 100

91 395.1 311.1 466.7

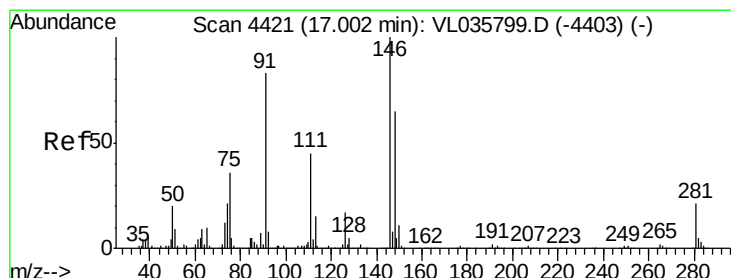
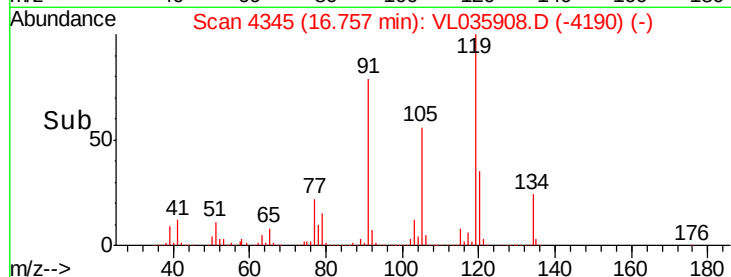
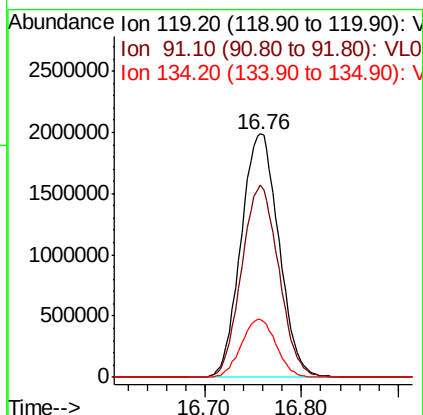
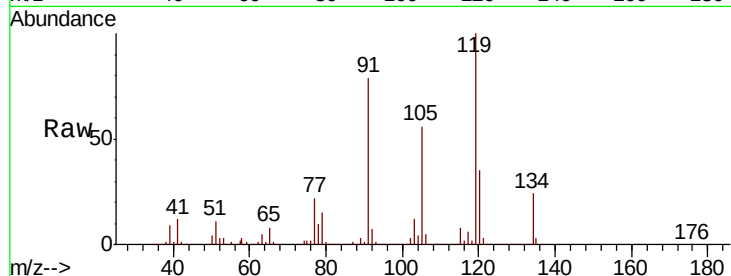




#65
 tert-Butylbenzene
 Concen: 7.056 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

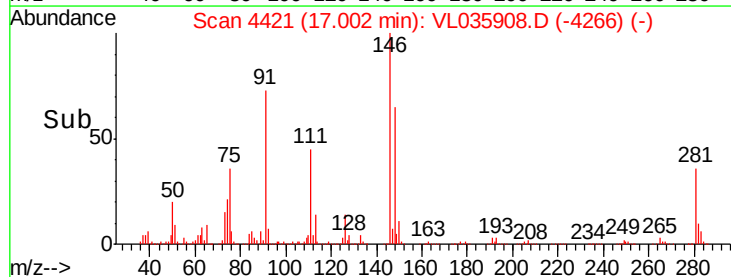
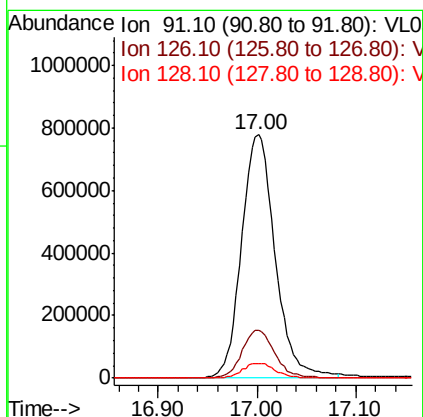
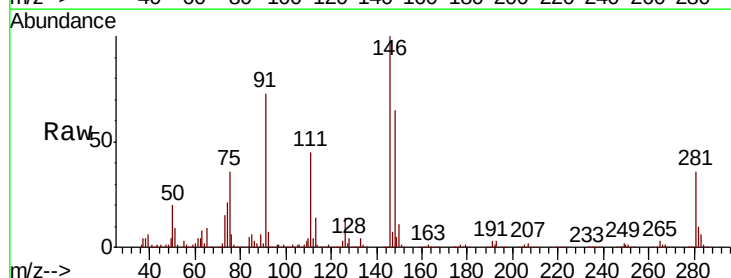
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

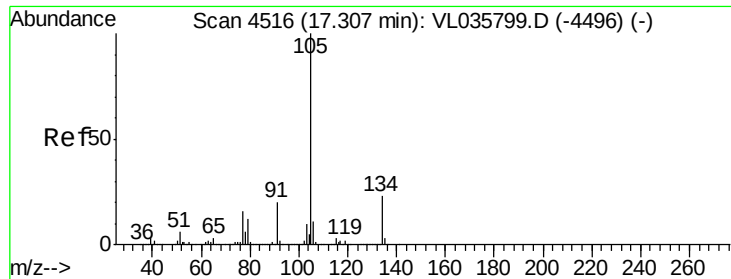
Tot Ion: 119 Resp: 5396942
 Ion Ratio Lower Upper
 119 100
 91 77.7 62.0 93.0
 134 22.1 17.8 26.8



#66
 Benzyl Chloride
 Concen: 7.215 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Tgt Ion: 91 Resp: 1824205
 Ion Ratio Lower Upper
 91 100
 126 19.5 16.0 24.0
 128 6.1 5.0 7.4





#67

sec-Butylbenzene

Concen: 7.069 ppbv

RT: 17.30 min Scan# 4516

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

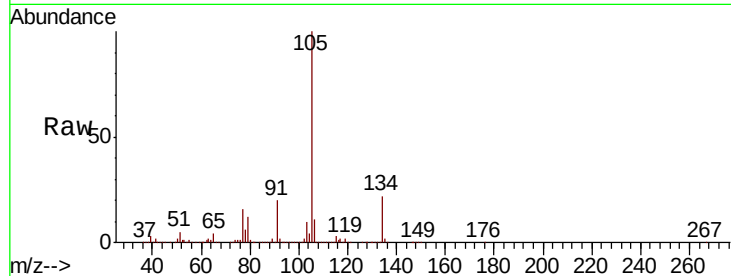
VSTDCCC010

Tot Ion:105 Resp: 7286417

Ion Ratio Lower Upper

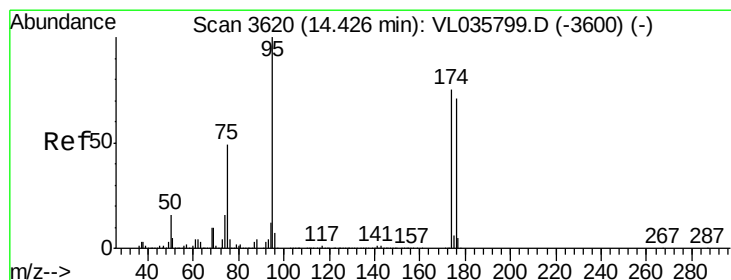
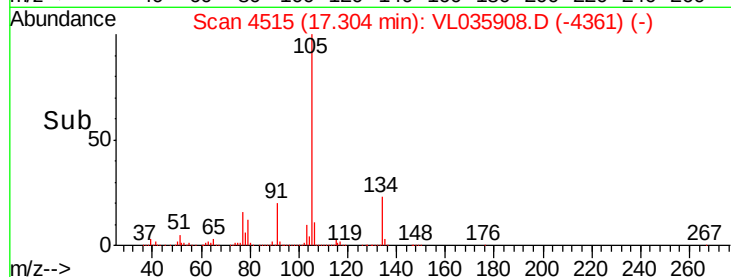
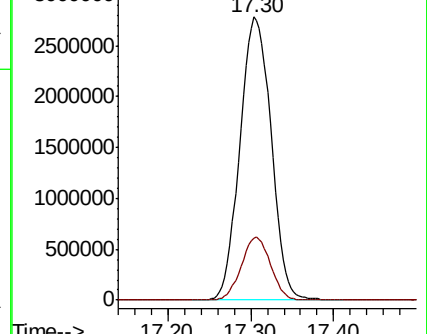
105 100

134 20.9 17.0 25.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.296 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

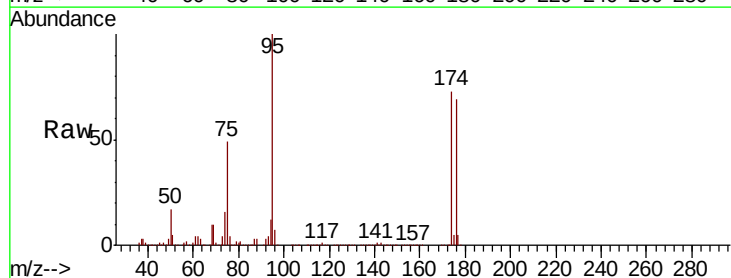
Tgt Ion: 95 Resp: 3143604

Ion Ratio Lower Upper

95 100

174 72.6 59.8 89.6

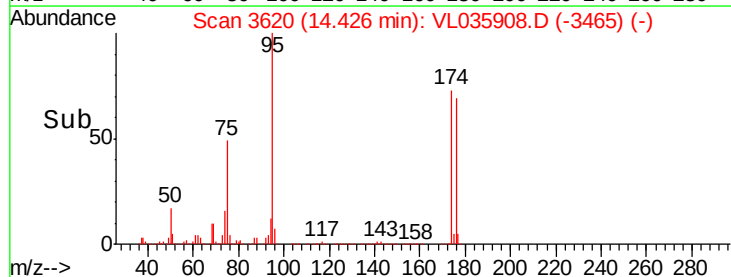
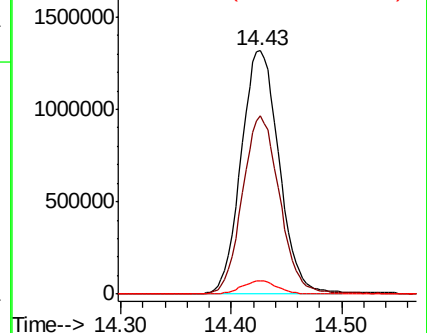
175 5.2 4.3 6.5

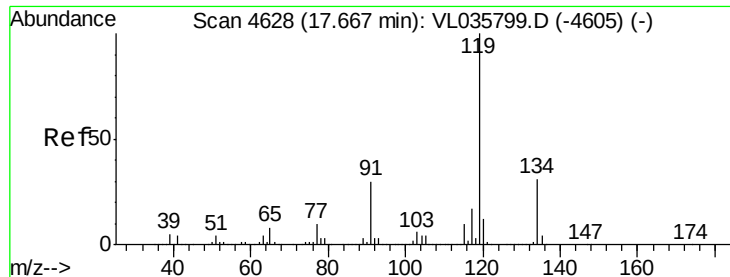


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

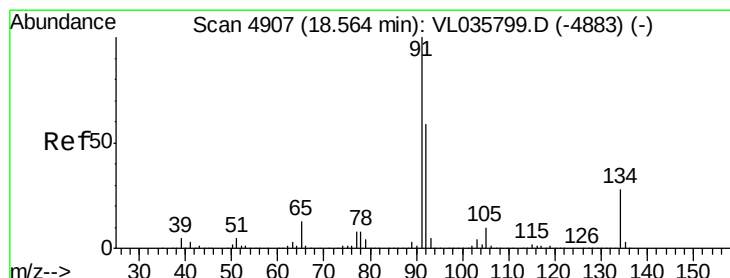
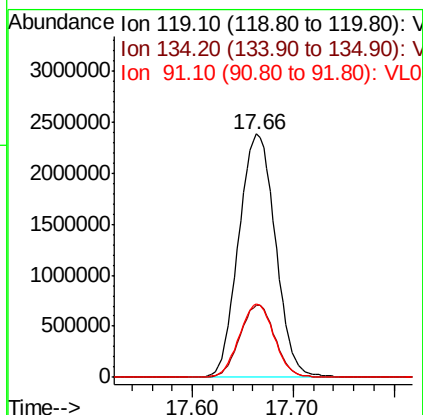
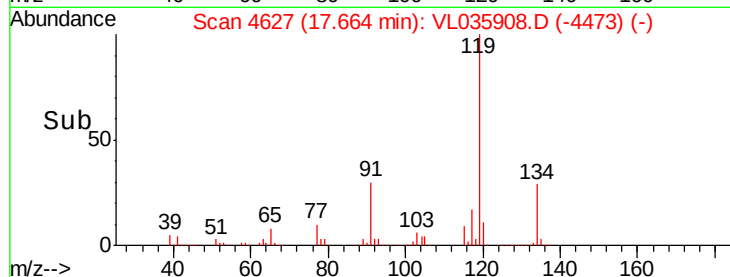
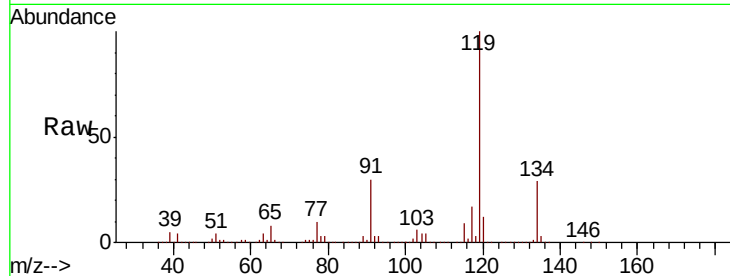




#69
p-Isopropyltoluene
Concen: 7.072 ppbv
RT: 17.66 min Scan# 4627
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

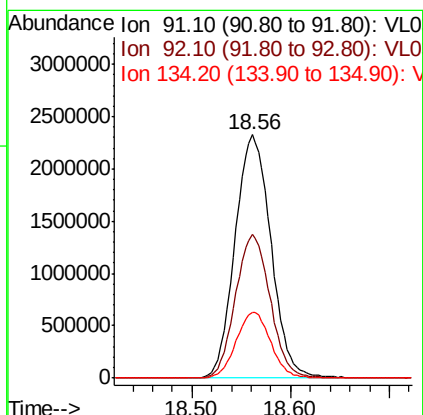
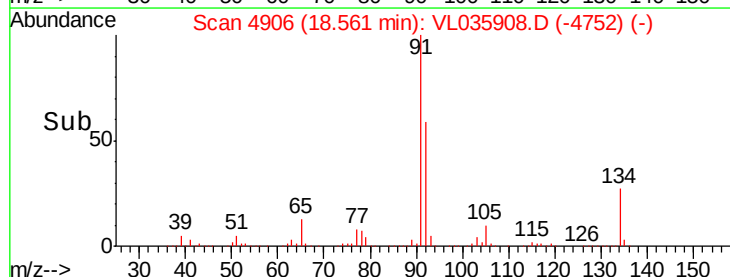
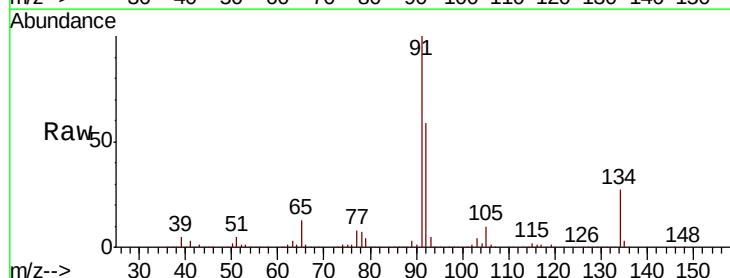
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

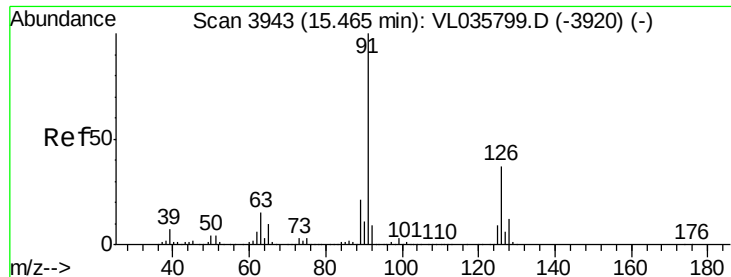
Tot Ion:119 Resp: 6015674
Ion Ratio Lower Upper
119 100
134 28.4 23.0 34.6
91 28.6 22.8 34.2



#70
n-Butylbenzene
Concen: 7.180 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL035908.D
Acq: 12 Nov 2020 9:37

Tgt Ion: 91 Resp: 5881831
Ion Ratio Lower Upper
91 100
92 57.3 45.7 68.5
134 25.9 21.0 31.4





#71

2-Chlorotoluene

Concen: 7.400 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

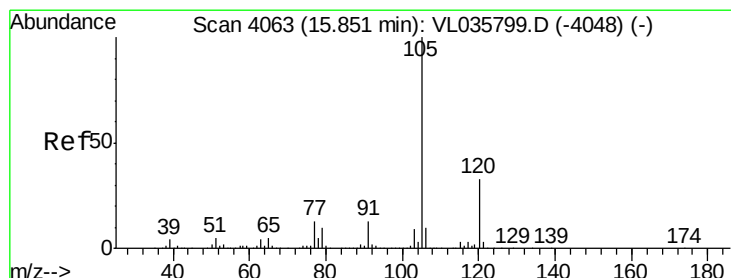
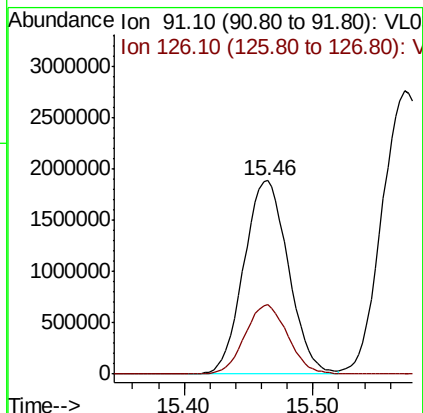
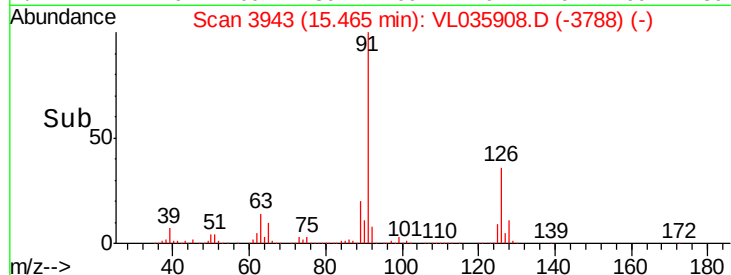
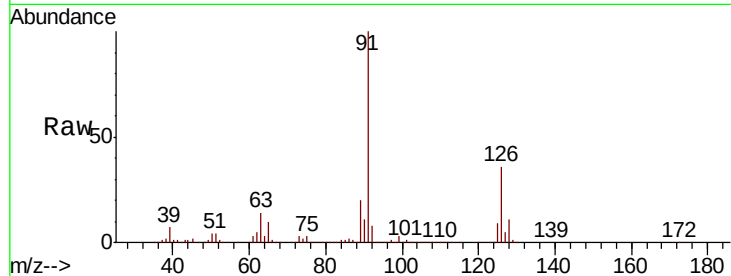
VSTDCCC010

Tot Ion: 91 Resp: 4548161

Ion Ratio Lower Upper

91 100

126 34.9 14.3 57.1



#72

4-Ethyltoluene

Concen: 7.361 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Tgt Ion: 105 Resp: 4773240

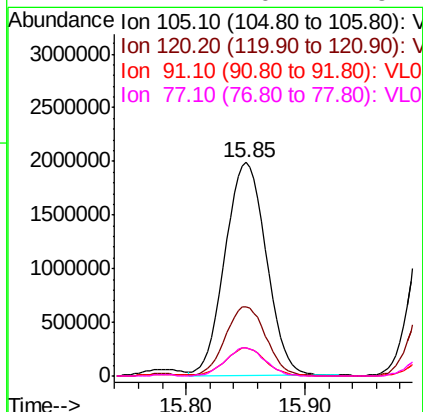
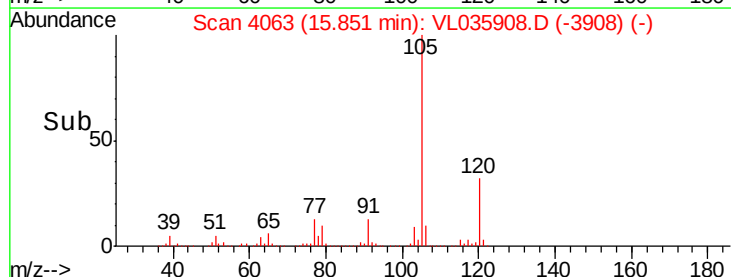
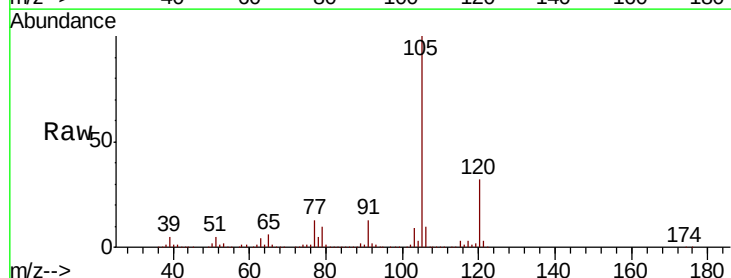
Ion Ratio Lower Upper

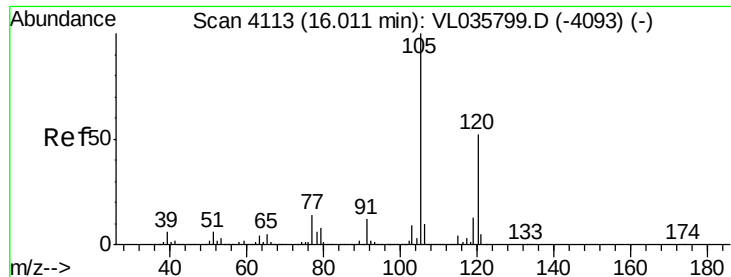
105 100

120 32.2 25.9 38.9

91 12.6 9.9 14.9

77 12.7 10.2 15.2

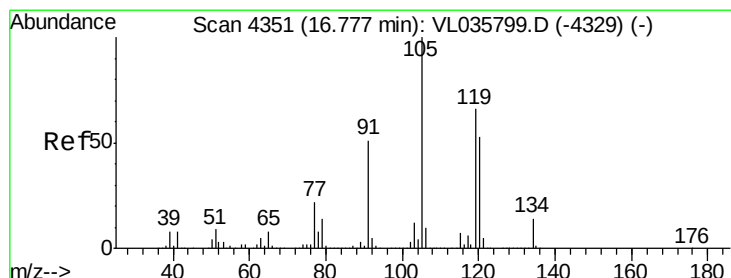
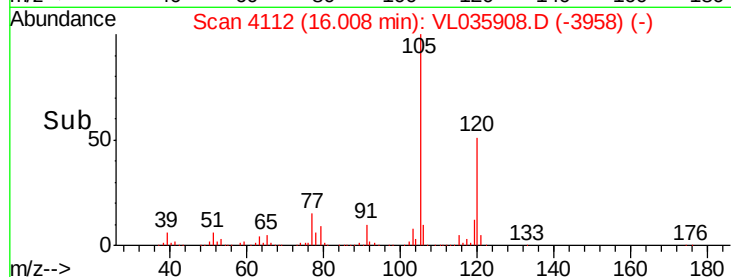
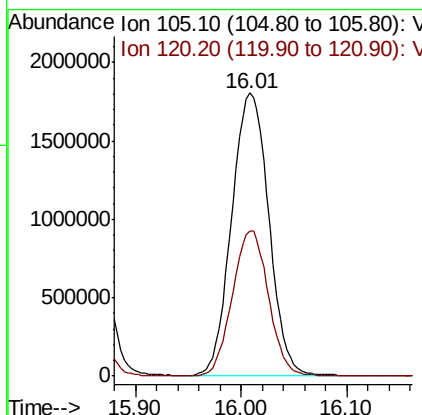
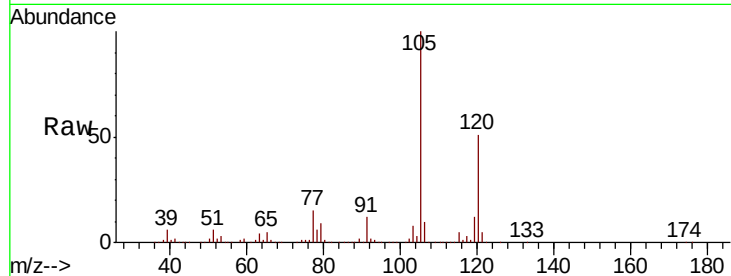




#73
 1,3,5-Trimethylbenzene
 Concen: 7.386 ppbv
 RT: 16.01 min Scan# 4112
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

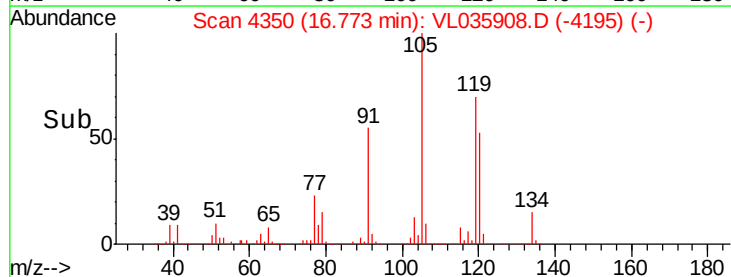
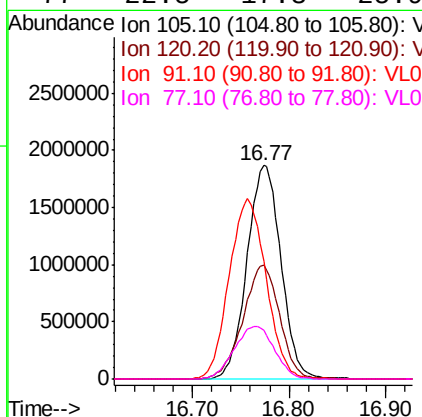
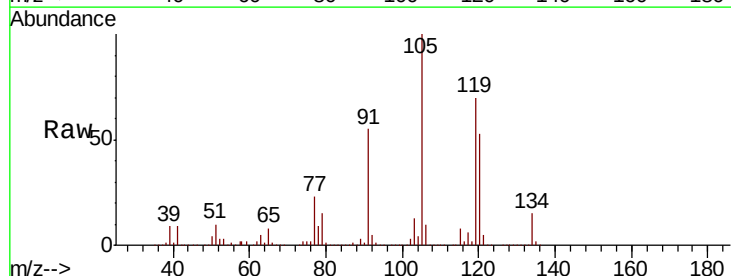
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

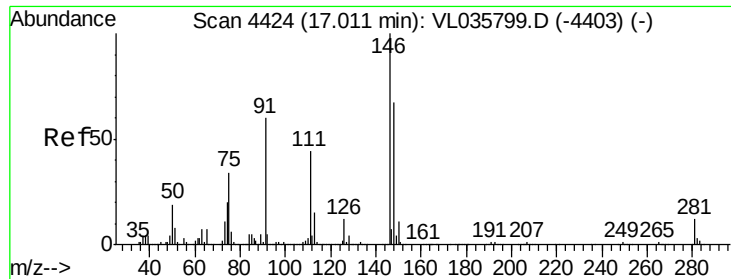
Tot Ion:105 Resp: 4383086
 Ion Ratio Lower Upper
 105 100
 120 51.5 41.4 62.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.162 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Tgt Ion:105 Resp: 4554109
 Ion Ratio Lower Upper
 105 100
 120 53.3 42.0 63.0
 91 55.3 41.0 61.6
 77 22.5 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 6.906 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

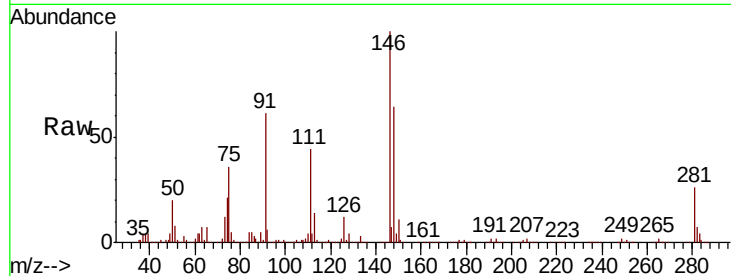
Tot Ion:146 Resp: 2795855

Ion Ratio Lower Upper

146 100

111 44.8 21.8 65.4

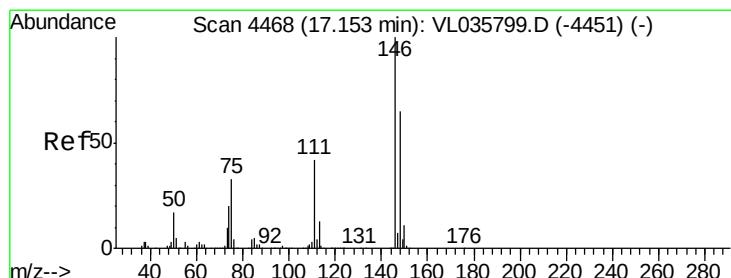
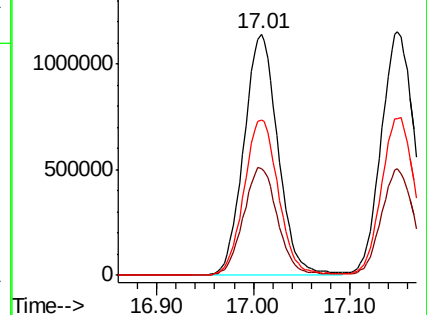
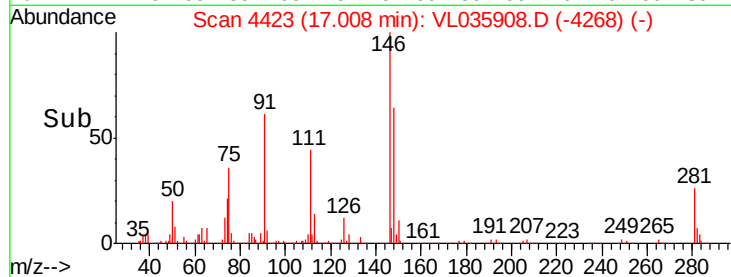
148 65.0 32.5 97.5



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: 7.155 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

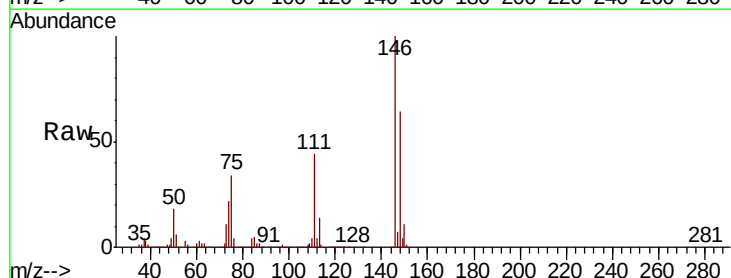
Tgt Ion:146 Resp: 2794356

Ion Ratio Lower Upper

146 100

111 42.6 21.3 63.7

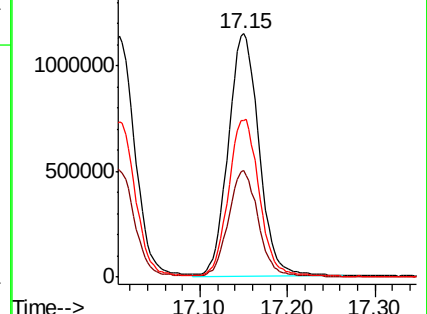
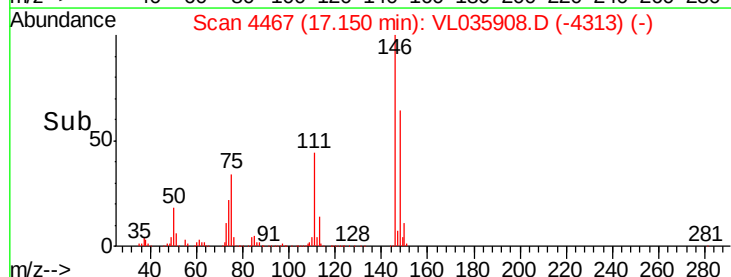
148 65.8 33.0 99.0

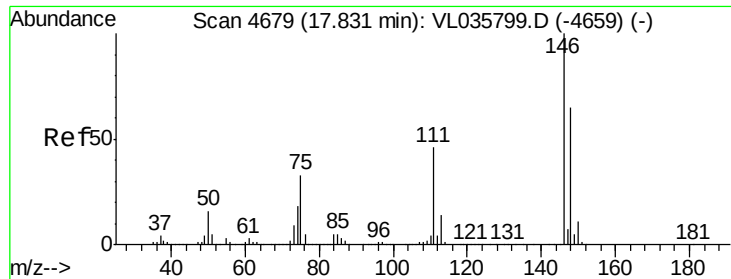


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



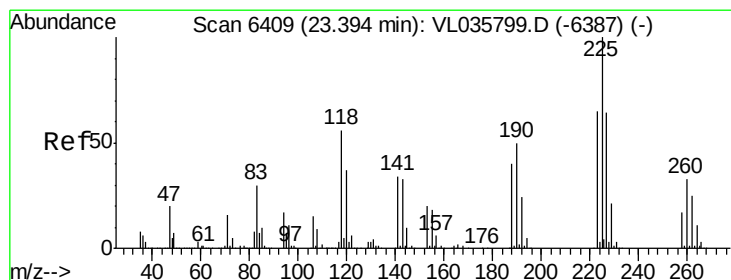
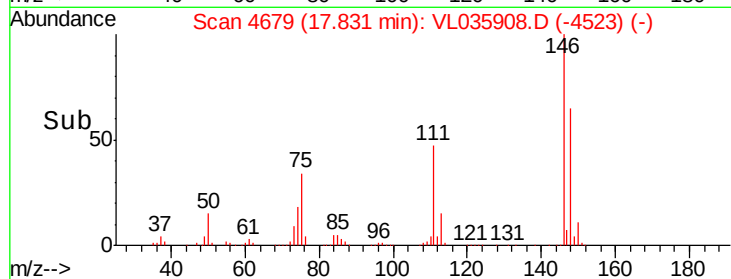
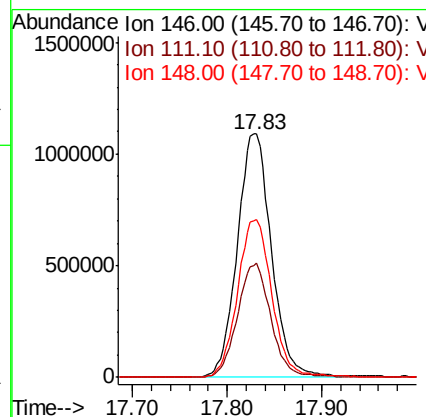
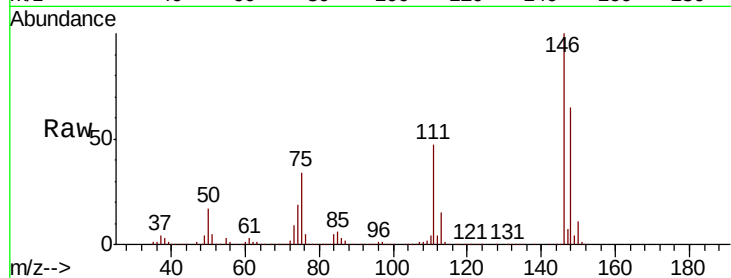


#77
 1,2-Dichlorobenzene
 Concen: 6.905 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. -0.00 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2725257

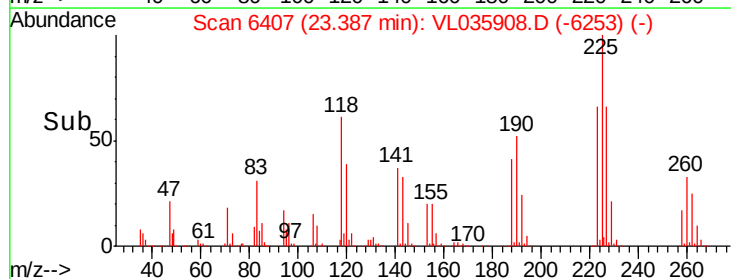
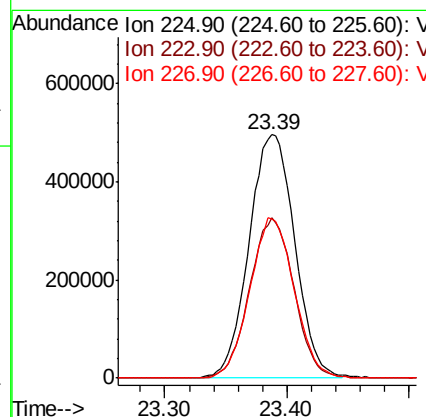
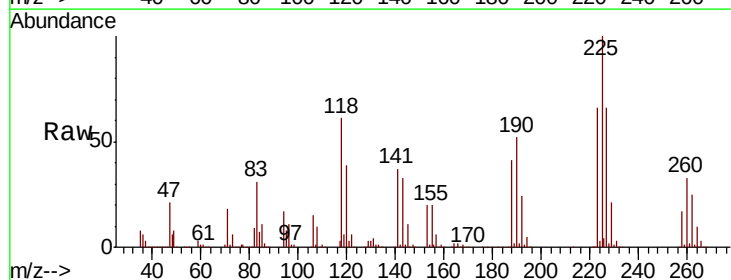
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.4	67.0
148	65.3	32.5	97.5

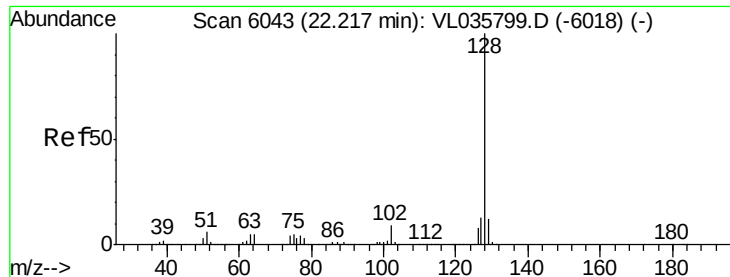


#78
 Hexachloro-1,3-Butadiene
 Concen: 6.986 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. -0.01 min
 Lab File: VL035908.D
 Acq: 12 Nov 2020 9:37

Tgt Ion:225 Resp: 1286452

Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	64.2	51.2	76.8





#79

Naphthalene

Concen: 6.915 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

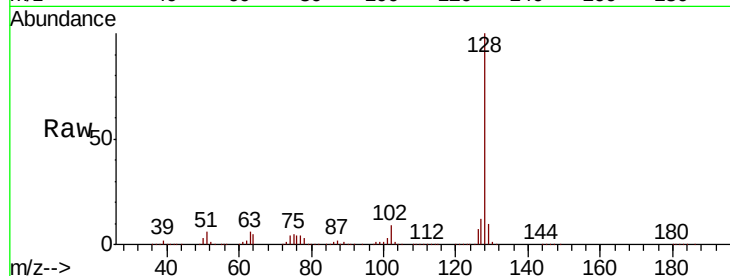
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3064996

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.5	9.2	13.8

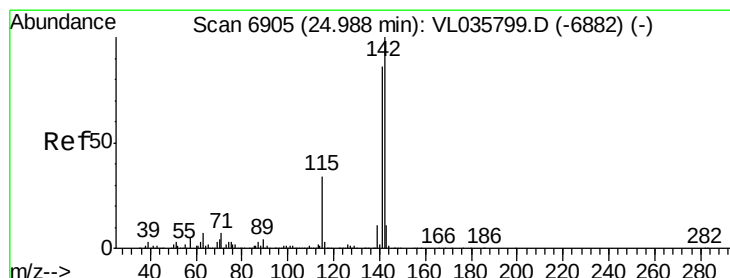
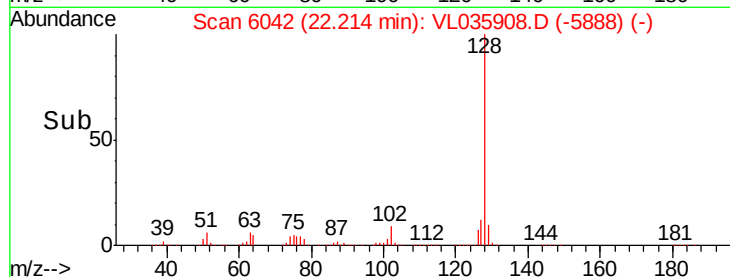
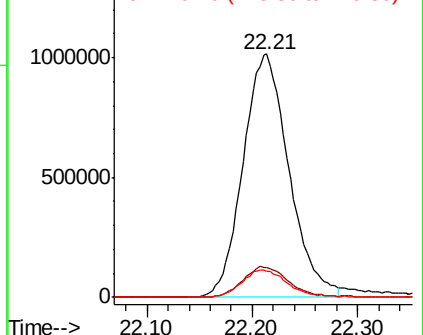


Abundance

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: 7.615 ppbv

RT: 24.99 min Scan# 6905

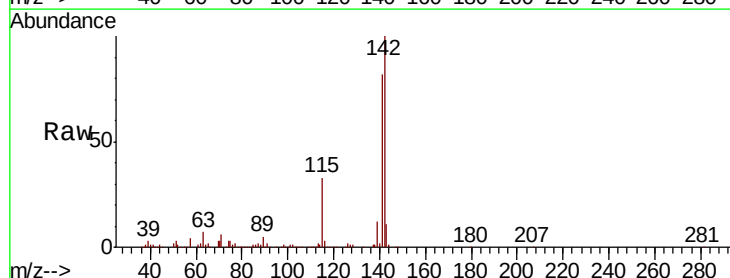
Delta R.T. -0.00 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Tgt Ion:142 Resp: 550038

Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.8	101.8
115	31.5	28.1	42.1

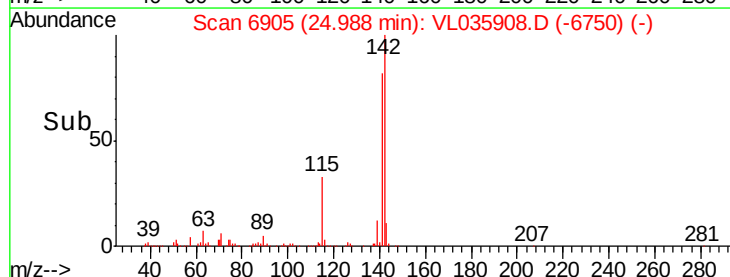
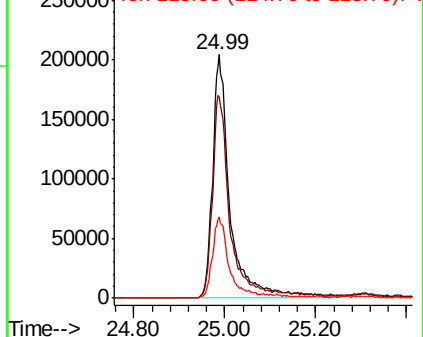


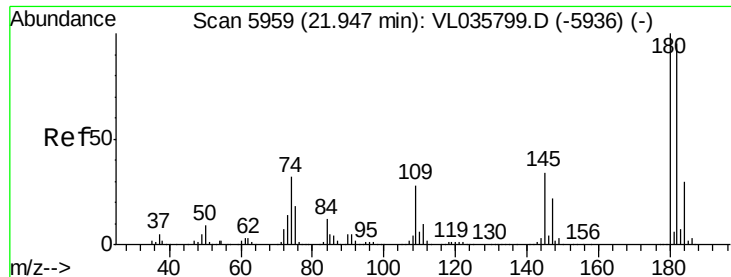
Abundance

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: 6.700 ppbv

RT: 21.94 min Scan# 5957

Delta R.T. -0.01 min

Lab File: VL035908.D

Acq: 12 Nov 2020 9:37

Instrument :

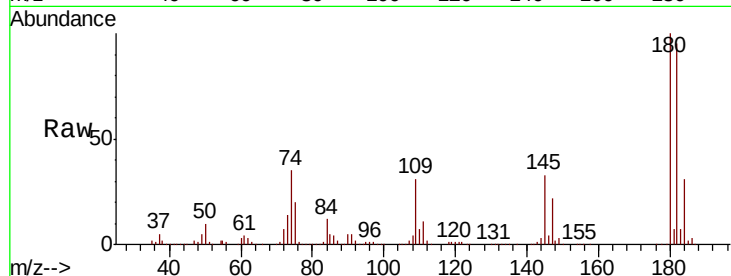
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:180 Resp: 1659287

Ion	Ratio	Lower	Upper
180	100		
182	99.5	77.2	115.8
184	31.7	24.7	37.1



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

