

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035442.D
 Acq On : 18 Aug 2020 12:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Aug 19 01:25:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1083174	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4921991	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	6433061	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3639932	8.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1627870	8.108	ppbv 99
3) Chlorodifluoromethane	2.99	51	1251623	9.216	ppbv # 92
4) Chloromethane	3.14	50	656445	9.278	ppbv 98
5) Vinyl Chloride	3.26	62	776914	9.188	ppbv 95
6) Bromomethane	3.47	94	688732	9.313	ppbv 99
7) Chloroethane	3.56	64	283690	9.107	ppbv 92
8) Dichlorotetrafluoroethane	3.19	85	2213973	8.613	ppbv # 57
9) Propene	3.01	41	496838	9.101	ppbv 99
10) Heptane	8.15	43	1346079	9.405	ppbv # 80
11) Trichlorofluoromethane	3.95	101	2850760	9.050	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2122461	9.042	ppbv # 77
13) Ethanol	3.61	45	116154	5.808	ppbv 100
14) Bromoethene	3.74	108	958243	9.237	ppbv # 95
15) Acetone	3.85	43	994875	7.980	ppbv # 83
16) 1,3-Butadiene	3.33	39	475557	9.406	ppbv # 68
17) tert-Butyl alcohol	4.30	59	1512676	9.387	ppbv 98
18) 1,1-Dichloroethene	4.29	96	962356	9.285	ppbv # 60
19) Isopropyl Alcohol	3.97	45	766463	8.920	ppbv # 98
20) Methylene Chloride	4.35	84	763175	7.587	ppbv # 63
21) Allyl Chloride	4.42	41	603600	9.527	ppbv # 81
22) trans-1,2-Dichloroethene	4.89	96	1026385	9.279	ppbv # 63
23) Vinyl Acetate	5.08	43	1706987	9.578	ppbv # 94
24) 1,1-Dichloroethane	5.02	63	1636318	9.200	ppbv # 94
25) Ethyl Acetate	5.69	43	2146356	8.847	ppbv # 93
26) Hexane	5.70	57	1207128	8.817	ppbv # 76
27) Carbon Disulfide	4.56	76	1980820	10.009	ppbv # 85
28) Methyl tert-Butyl Ether	5.04	73	2272155	9.085	ppbv 92
29) Chloroform	5.77	83	2533410	9.210	ppbv 98
30) Cyclohexane	7.15	84	1440790	9.486	ppbv # 62
31) cis-1,2-Dichloroethene	5.56	61	1352972	9.396	ppbv # 64
32) 1,1,1-Trichloroethane	6.53	97	2596121	10.070	ppbv # 89
34) 2-Butanone	5.25	43	1513404	9.203	ppbv # 74
35) Carbon Tetrachloride	7.04	117	2803733	10.710	ppbv 98
36) Benzene	6.91	78	3273057	9.061	ppbv # 93
37) 1,2-Dichloroethane	6.32	62	1553147	9.408	ppbv # 89
38) Trichloroethene	7.85	130	1852022	9.216	ppbv # 83
39) 1,2-Dichloropropane	7.64	63	1107366	9.301	ppbv # 83
40) 1,4-Dioxane	7.85	88	561095	8.652	ppbv # 31
41) Tetrahydrofuran	6.06	42	883519	9.740	ppbv # 64
42) Bromodichloromethane	7.81	83	2723874	9.860	ppbv # 96
43) Methyl Methacrylate	8.03	69	1370303	9.700	ppbv # 59

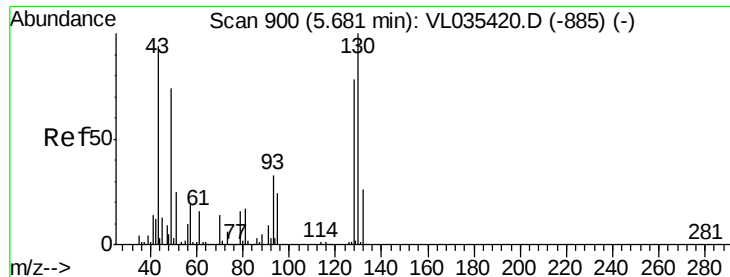
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
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Quant Time: Aug 19 01:25:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4173466	8.847	ppbv #	93
45) t-1,3-Dichloropropene	9.30	75	1567490	10.772	ppbv	96
46) cis-1,3-Dichloropropene	8.73	75	1865557	10.291	ppbv #	75
47) 1,1,2-Trichloroethane	9.50	97	1649001	9.273	ppbv	93
48) Dibromochloromethane	10.33	129	3051252	10.228	ppbv	100
49) Bromoform	13.08	173	3102985	10.797	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2242078	9.505	ppbv #	82
51) 2-Hexanone	10.16	43	1943730	9.775	ppbv #	80
52) Tetrachloroethene	11.25	164	2014703	9.143	ppbv #	83
53) Toluene	9.83	91	4266821	9.170	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2689910	9.313	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	2374113	7.780	ppbv	97
57) Chlorobenzene	12.18	112	3753972	6.991	ppbv #	81
58) Ethyl Benzene	12.74	91	5619441	7.236	ppbv #	84
59) m/p-Xylene	13.03	91	5358215	8.162	ppbv #	21
60) o-Xylene	13.73	91	4634337	7.264	ppbv	86
61) Styrene	13.56	104	3925590	7.615	ppbv #	90
62) Isopropylbenzene	14.70	105	7248670	6.932	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.71	83	3235298	7.059	ppbv	97
64) n-propylbenzene	15.60	120	2427455	7.531	ppbv #	45
65) tert-Butylbenzene	16.78	119	7129850	7.017	ppbv #	82
66) Benzyl Chloride	17.03	91	2366484	9.682	ppbv #	89
67) sec-Butylbenzene	17.33	105	9023459	6.747	ppbv #	82
69) p-Isopropyltoluene	17.69	119	8256709	6.958	ppbv #	89
70) n-Butylbenzene	18.59	91	7827781	6.984	ppbv #	89
71) 2-Chlorotoluene	15.49	91	5516897	7.271	ppbv	77
72) 4-Ethyltoluene	15.88	105	6134996	7.327	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	5720443	7.343	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.80	105	5944134	7.022	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	4642934	7.101	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4735598	7.350	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4649920	7.261	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3565517	7.042	ppbv	98
79) Naphthalene	22.25	128	8520825	7.148	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4127400	8.378	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5256660	7.315	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

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VSTDCCC010EC

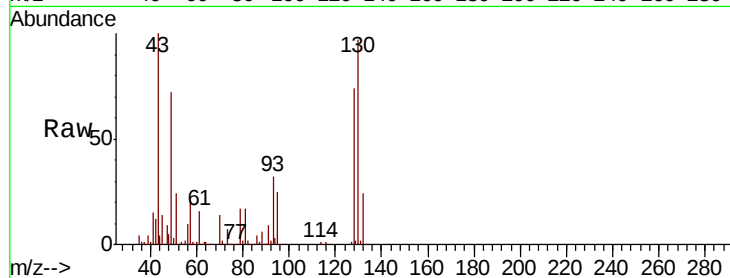
Tot Ion: 49 Resp: 1083174

Ion Ratio Lower Upper

49 100

128 103.8 20.9 62.7#

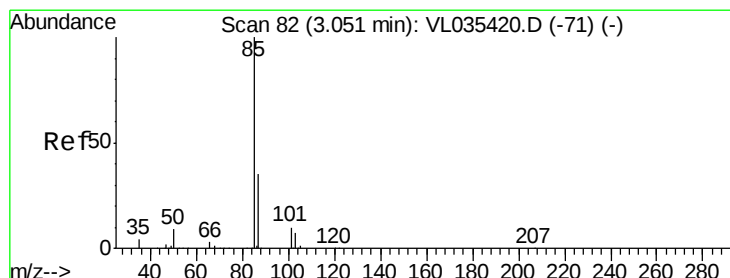
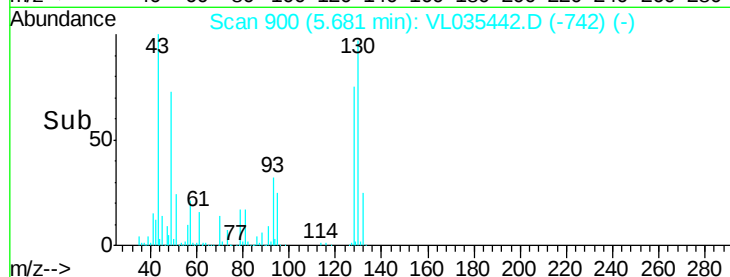
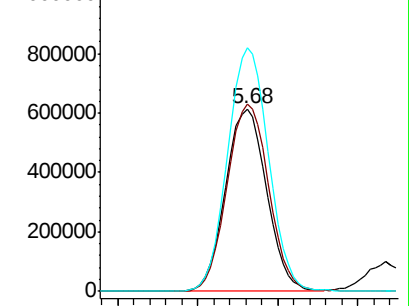
130 132.6 26.7 80.1#



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: 8.108 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035442.D

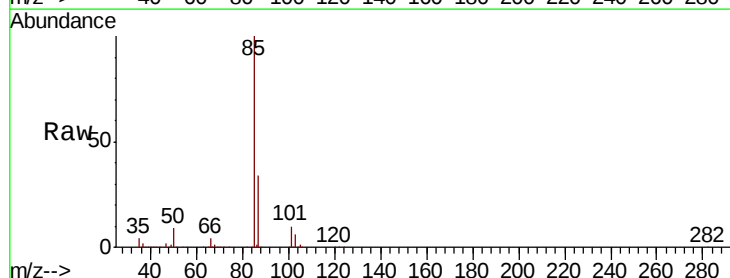
Acq: 18 Aug 2020 12:41

Tgt Ion: 85 Resp: 1627870

Ion Ratio Lower Upper

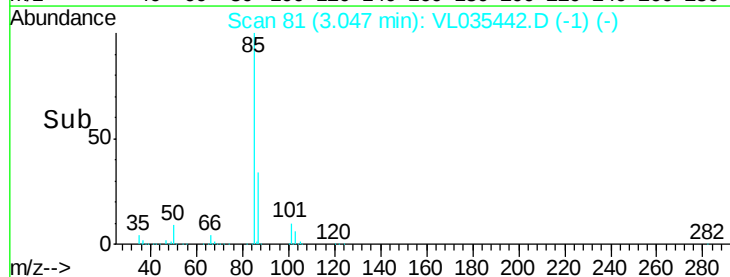
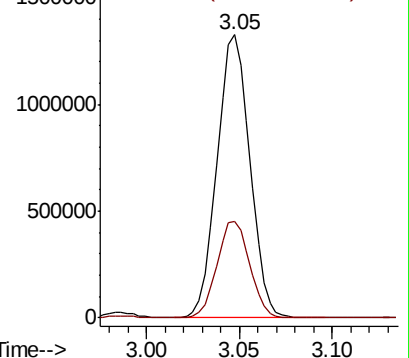
85 100

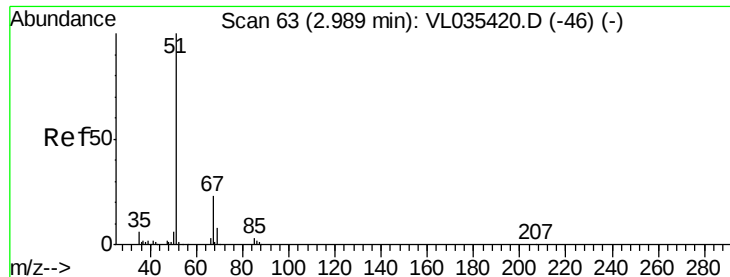
87 34.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

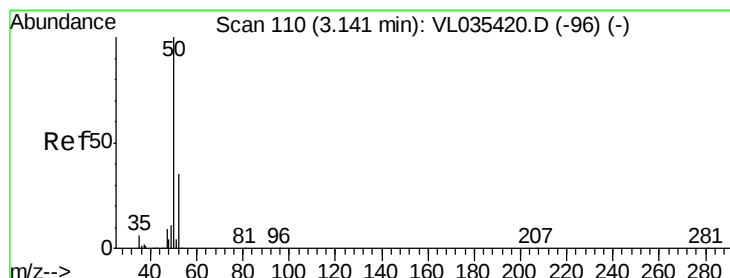
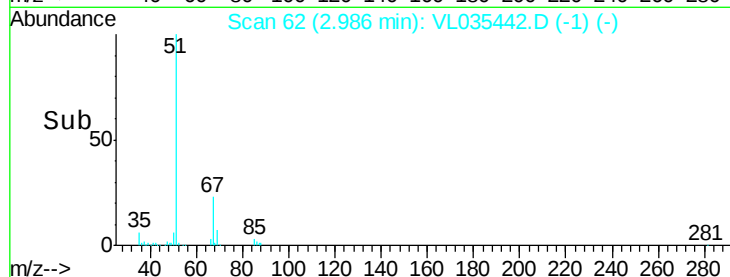
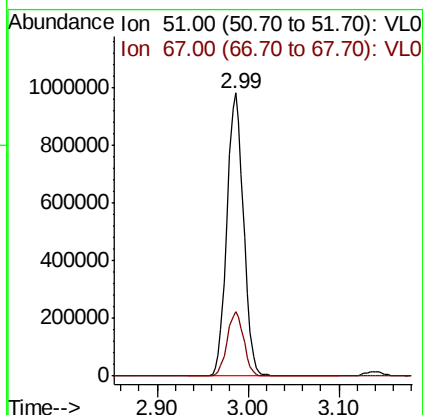
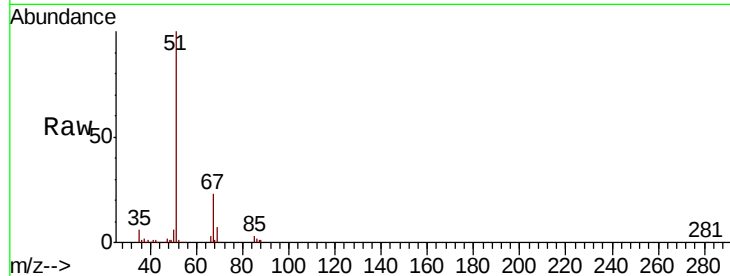




#3
Chlorodifluoromethane
Concen: 9.216 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

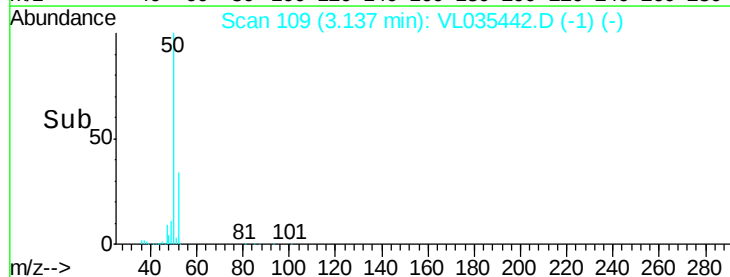
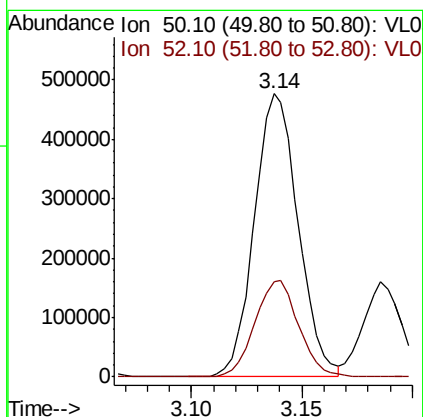
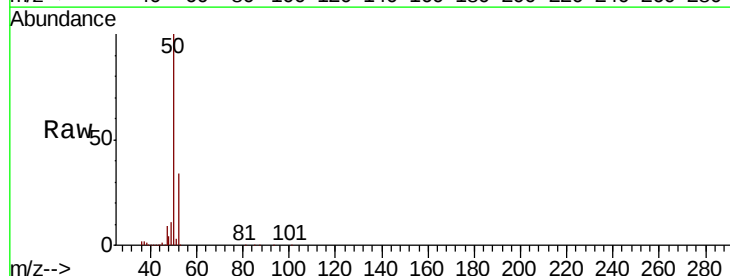
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

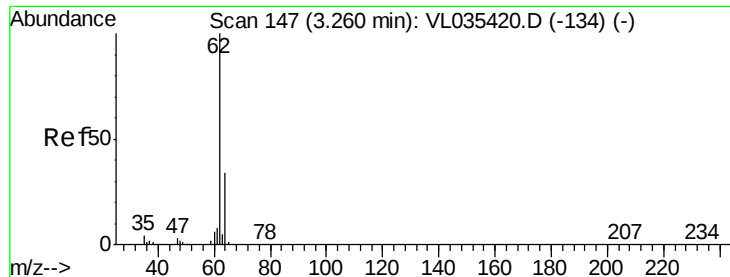
Tot Ion: 51 Resp: 1251623
Ion Ratio Lower Upper
51 100
67 22.6 15.0 22.6#



#4
Chloromethane
Concen: 9.278 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 50 Resp: 656445
Ion Ratio Lower Upper
50 100
52 33.6 25.9 38.9





#5

Vinyl Chloride

Concen: 9.188 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

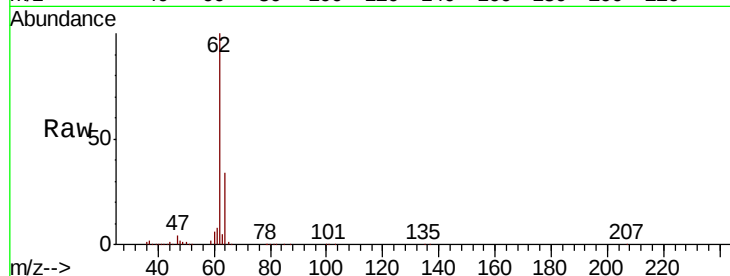
VSTDCCC010EC

Tot Ion: 62 Resp: 776914

Ion Ratio Lower Upper

62 100

64 33.9 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

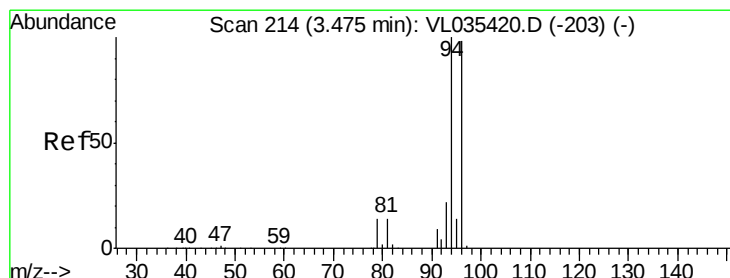
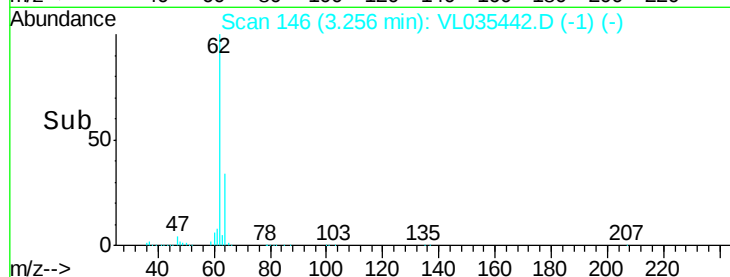
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.313 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL035442.D

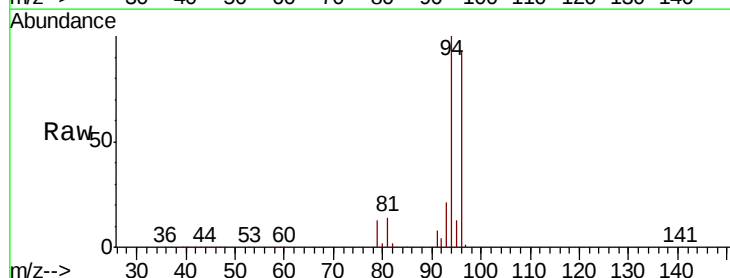
Acq: 18 Aug 2020 12:41

Tgt Ion: 94 Resp: 688732

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

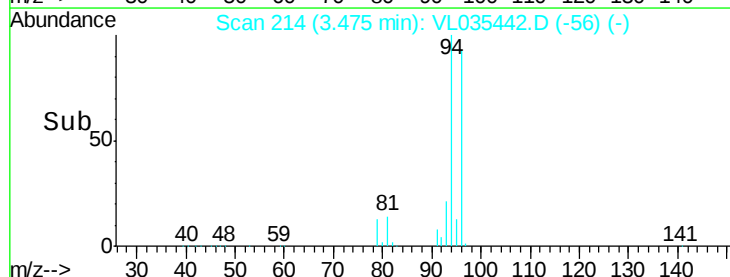
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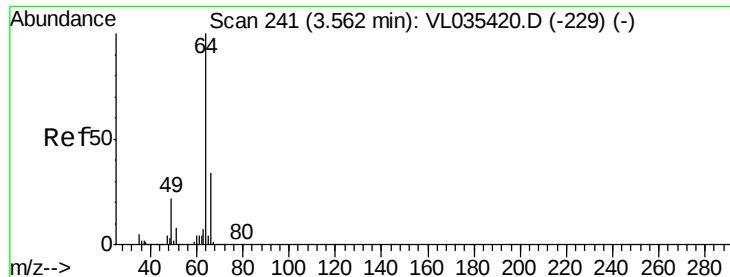
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.107 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

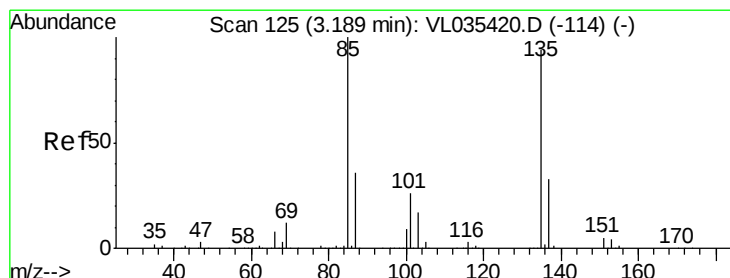
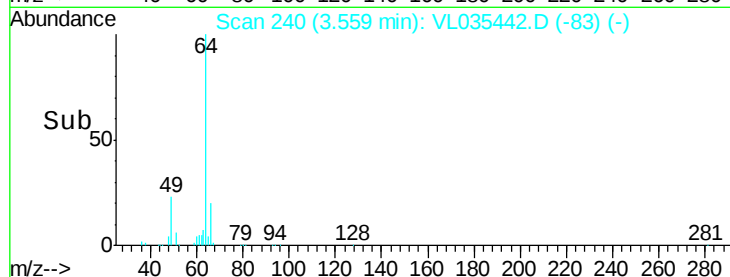
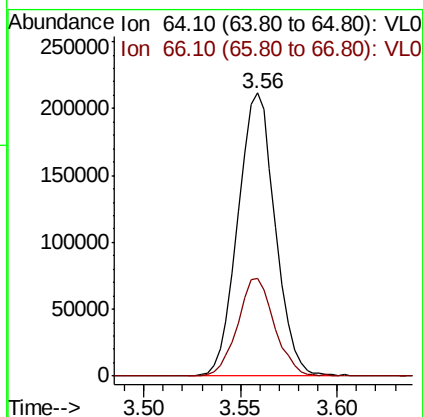
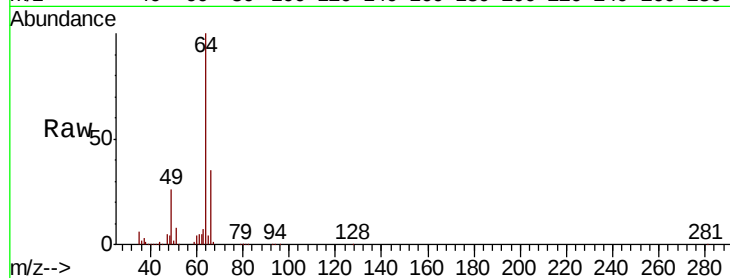
VSTDCCC010EC

Tot Ion: 64 Resp: 283690

Ion Ratio Lower Upper

64 100

66 34.7 24.5 36.7



#8

Dichlorotetrafluoroethane

Concen: 8.613 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035442.D

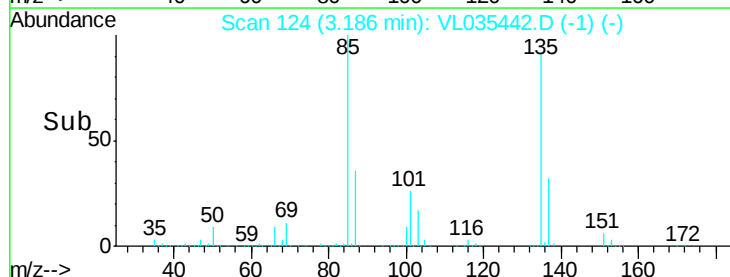
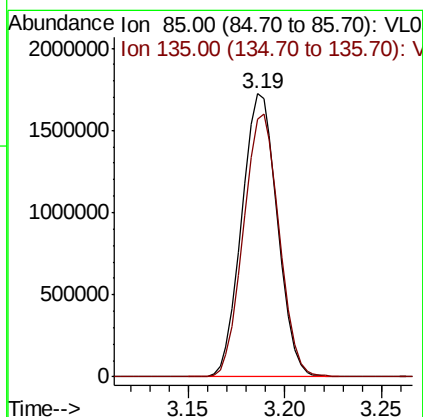
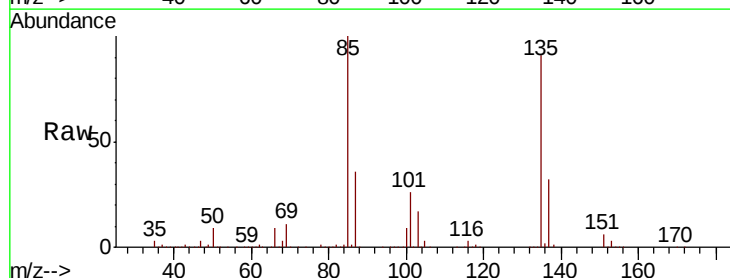
Acq: 18 Aug 2020 12:41

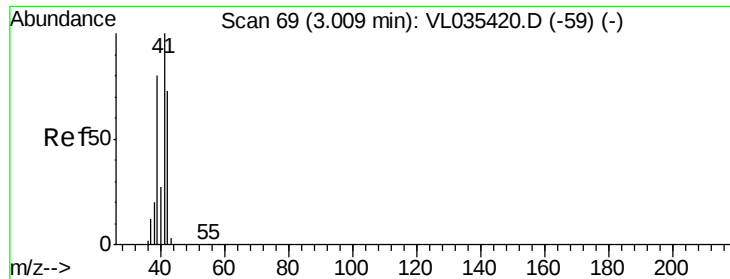
Tgt Ion: 85 Resp: 2213973

Ion Ratio Lower Upper

85 100

135 93.2 48.6 72.8#





#9

Propene

Concen: 9.101 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

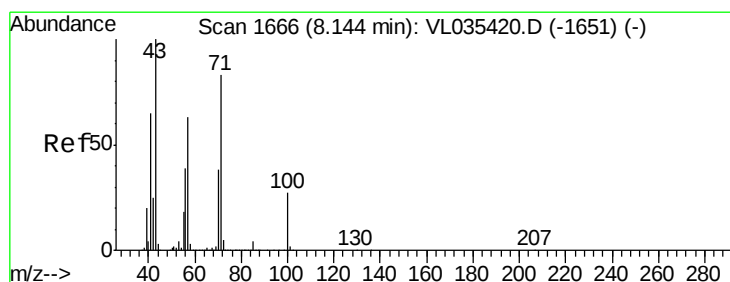
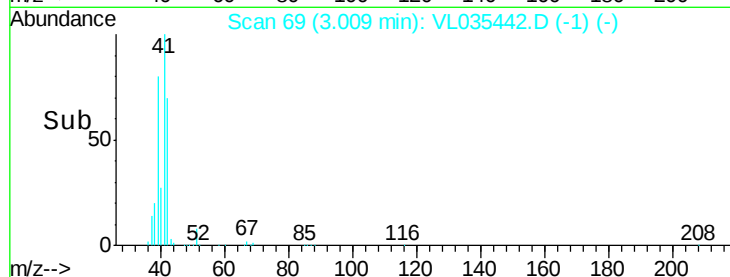
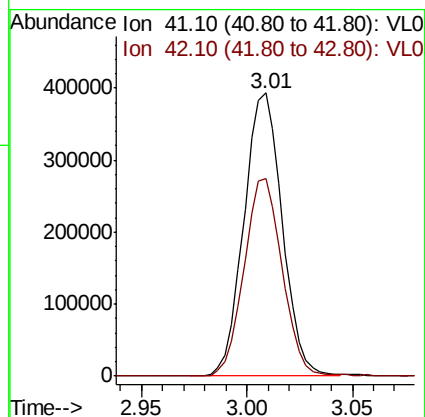
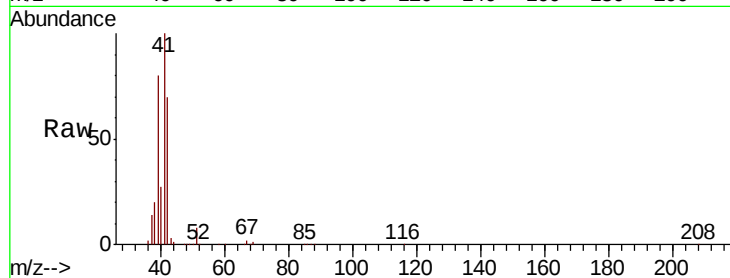
VSTDCCC010EC

Tot Ion: 41 Resp: 496838

Ion Ratio Lower Upper

41 100

42 70.1 55.5 83.3



#10

Heptane

Concen: 9.405 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035442.D

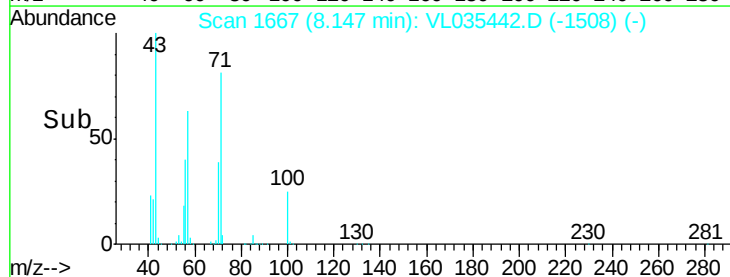
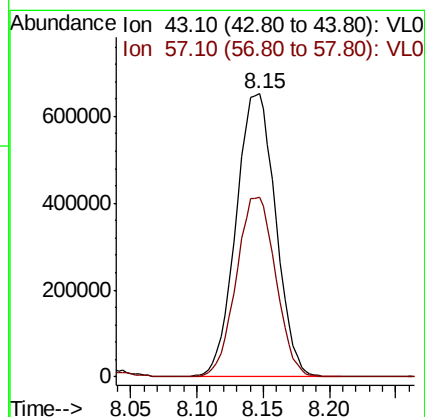
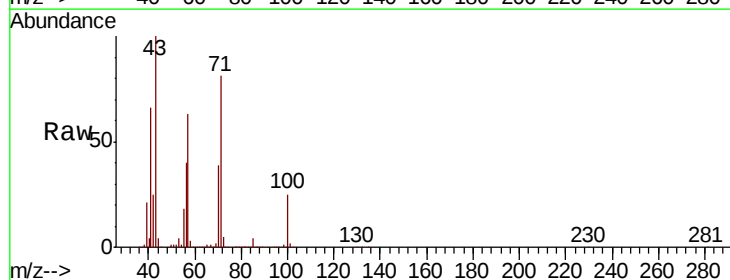
Acq: 18 Aug 2020 12:41

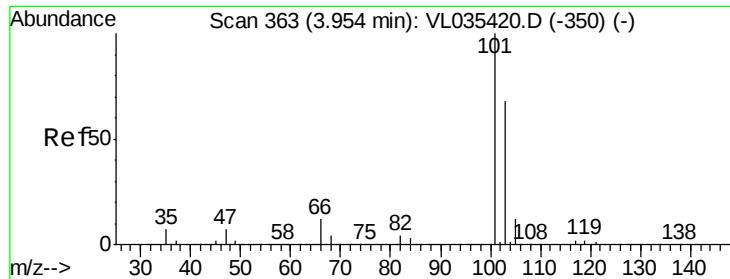
Tgt Ion: 43 Resp: 1346079

Ion Ratio Lower Upper

43 100

57 63.4 39.8 59.6#

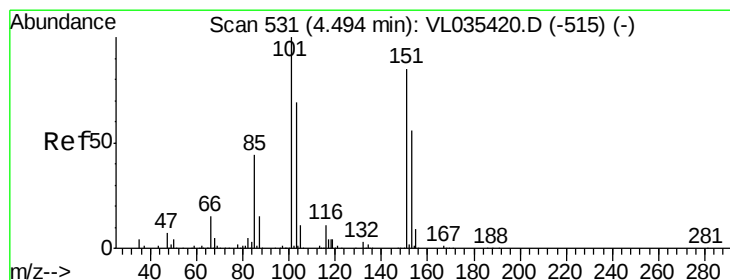
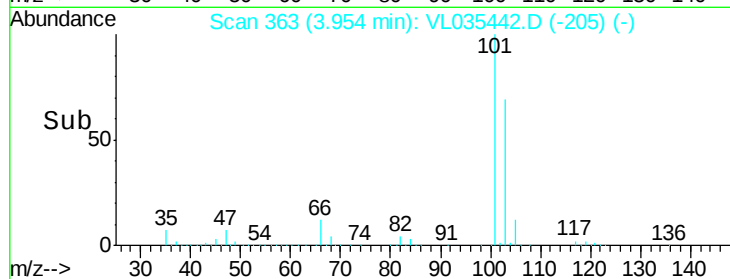
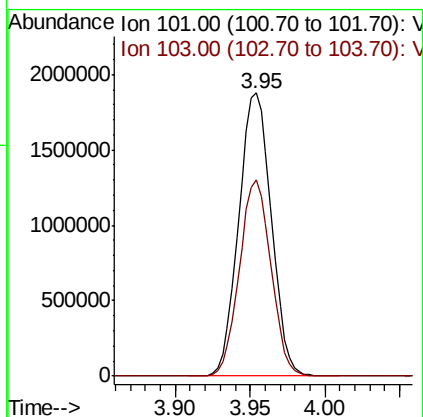
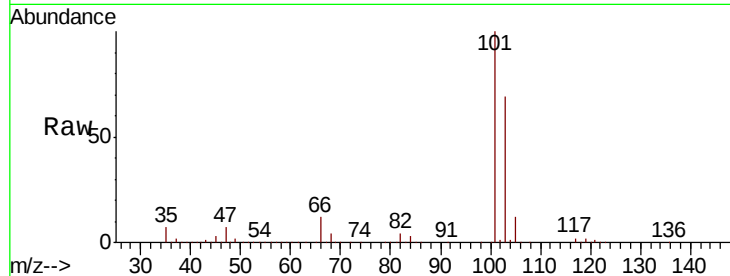




#11
 Trichlorofluoromethane
 Concen: 9.050 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

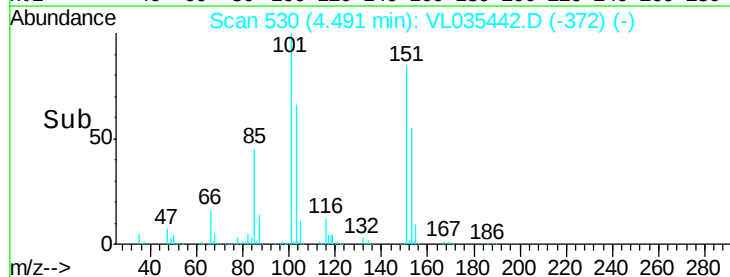
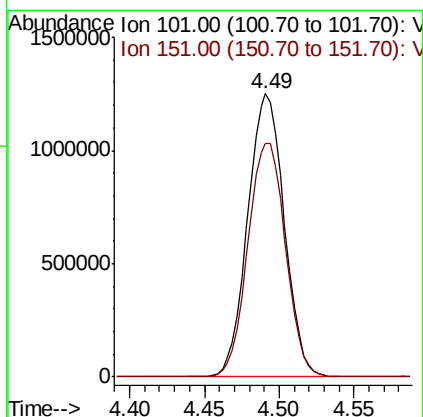
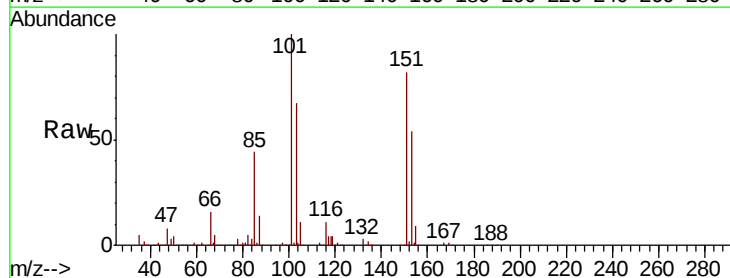
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

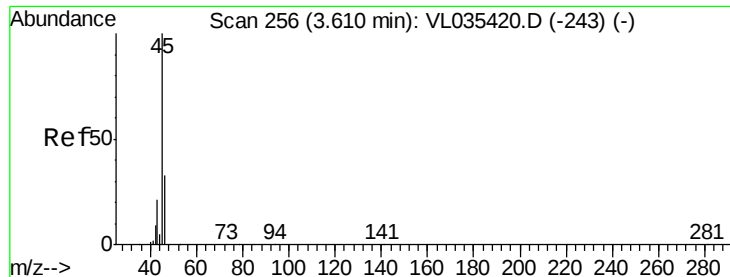
Tot Ion:101 Resp: 2850760
 Ion Ratio Lower Upper
 101 100
 103 69.4 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.042 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion:101 Resp: 2122461
 Ion Ratio Lower Upper
 101 100
 151 85.4 53.6 80.4#





#13

Ethanol

Concen: 5.808 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

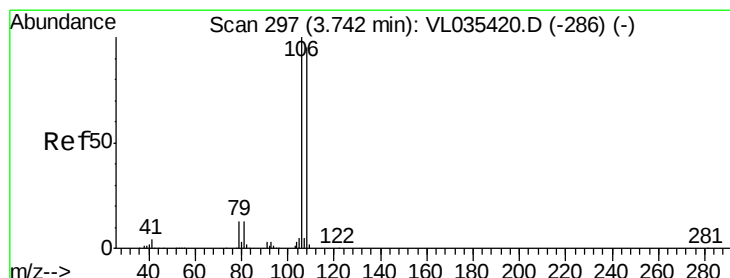
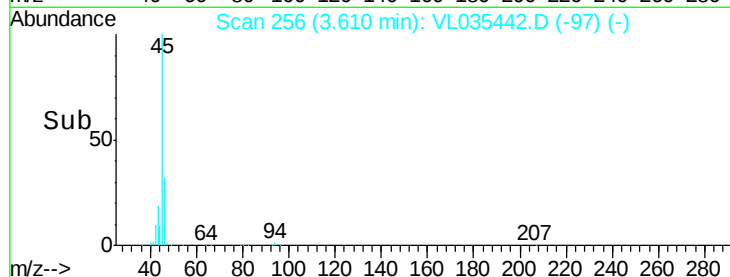
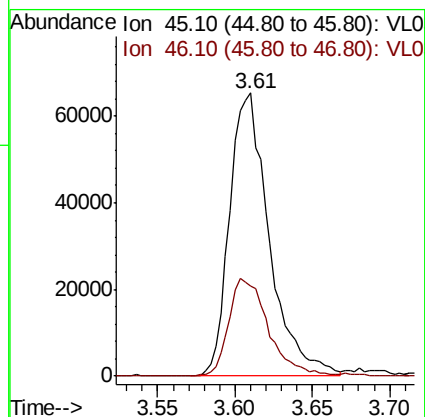
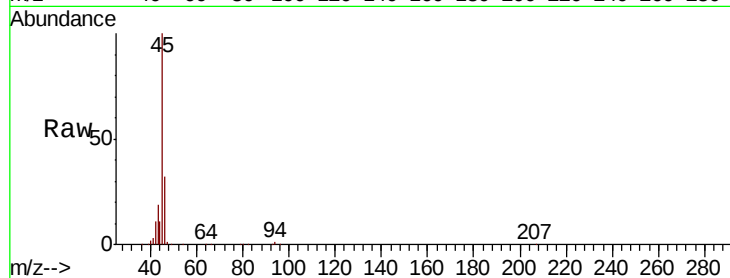
VSTDCCC010EC

Tot Ion: 45 Resp: 116154

Ion Ratio Lower Upper

45 100

46 35.1 14.2 56.6



#14

Bromoethene

Concen: 9.237 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

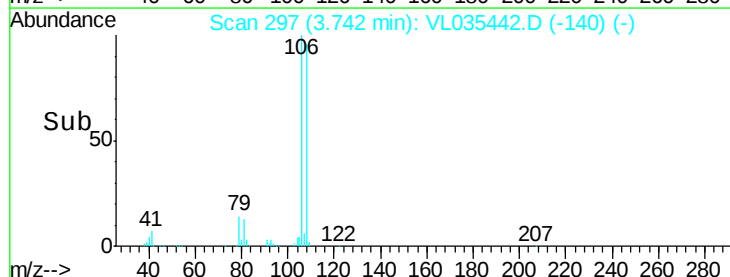
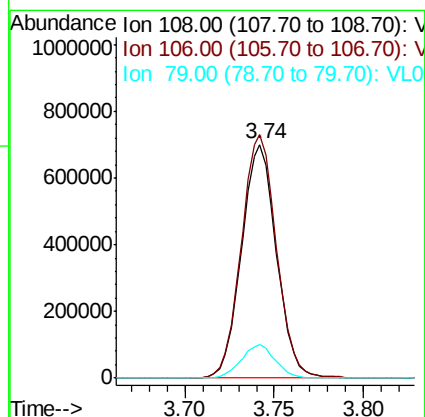
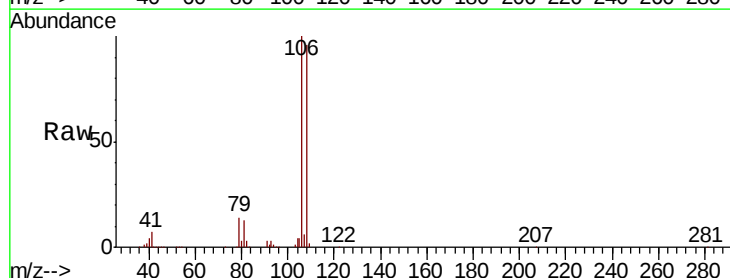
Tgt Ion: 108 Resp: 958243

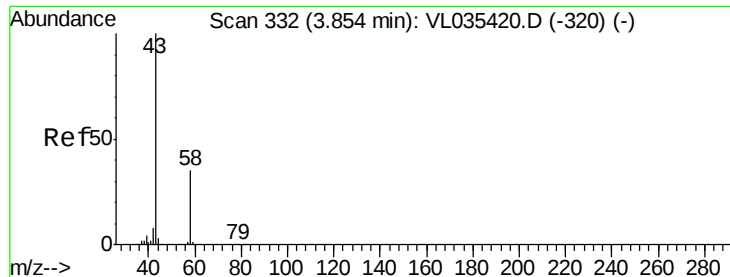
Ion Ratio Lower Upper

108 100

106 105.4 86.7 130.1

79 14.2 16.8 25.2#





#15

Acetone

Concen: 7.980 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

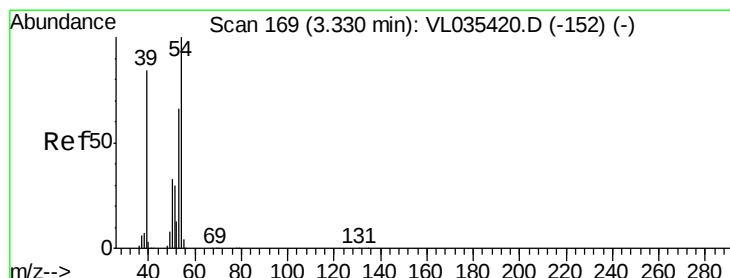
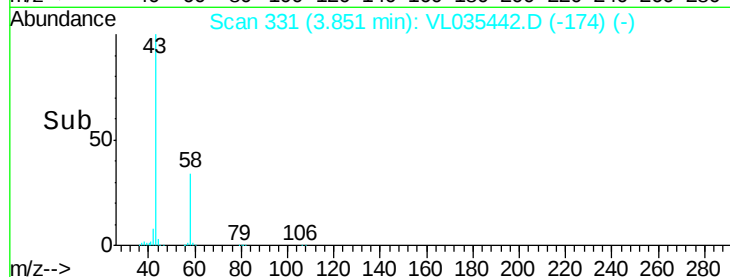
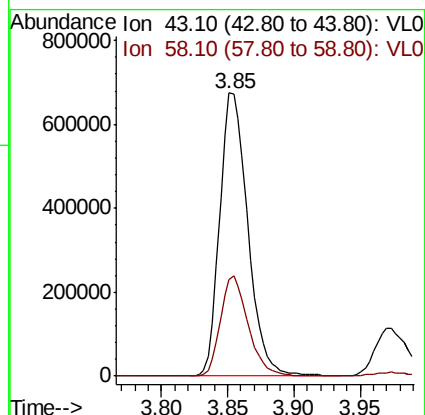
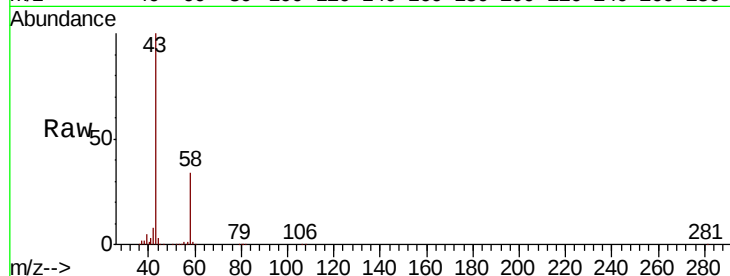
VSTDCCC010EC

Tot Ion: 43 Resp: 994875

Ion Ratio Lower Upper

43 100

58 35.0 21.0 31.6#



#16

1,3-Butadiene

Concen: 9.406 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035442.D

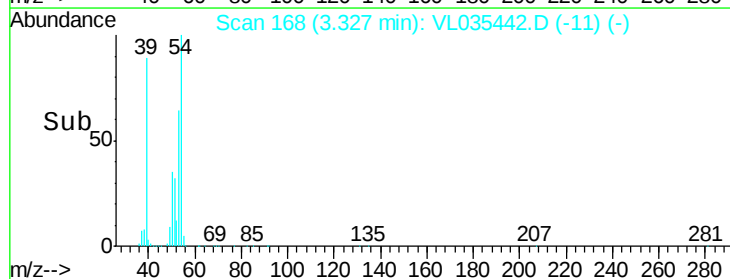
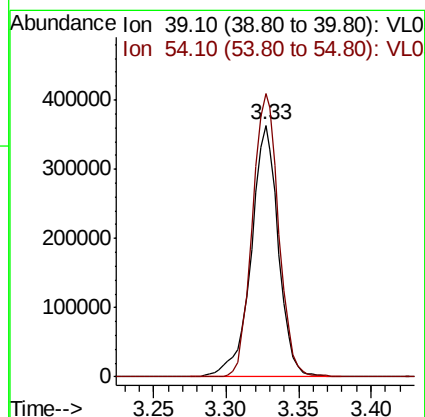
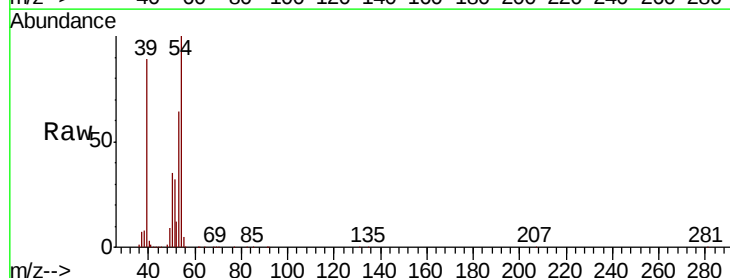
Acq: 18 Aug 2020 12:41

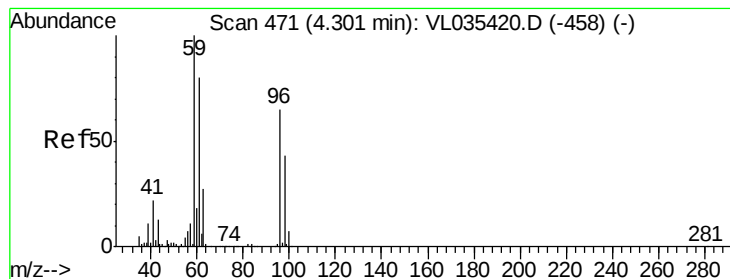
Tgt Ion: 39 Resp: 475557

Ion Ratio Lower Upper

39 100

54 109.2 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 9.387 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

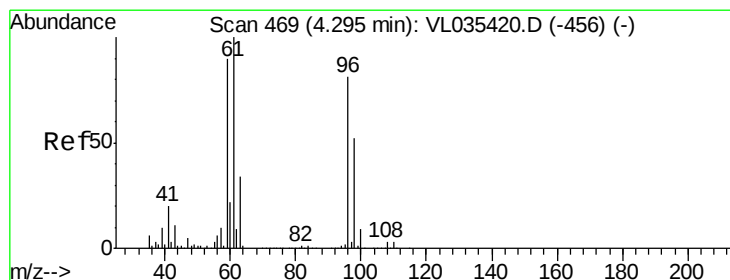
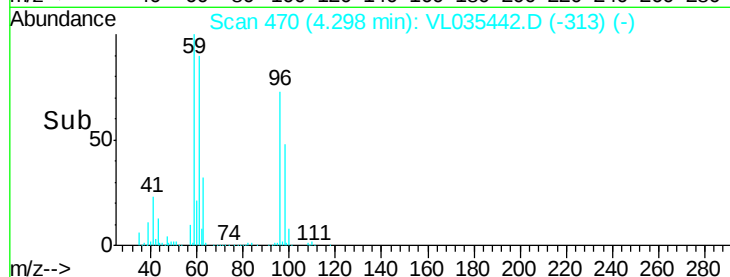
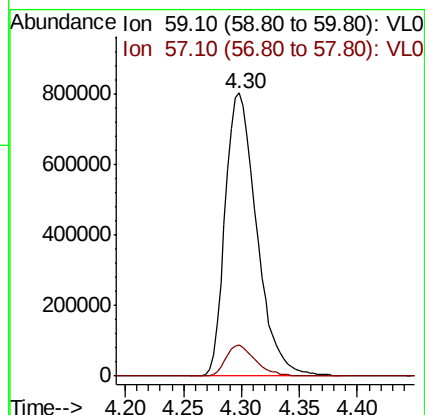
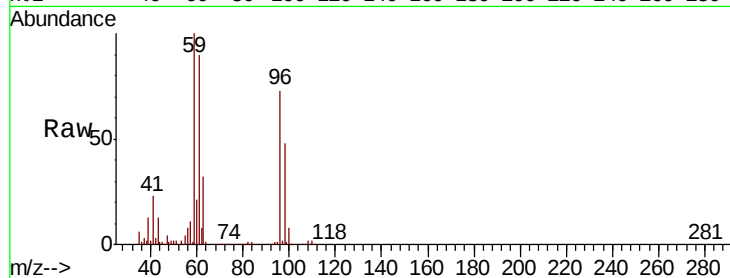
VSTDCCC010EC

Tot Ion: 59 Resp: 1512676

Ion Ratio Lower Upper

59 100

57 10.4 8.9 13.3



#18

1,1-Dichloroethene

Concen: 9.285 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

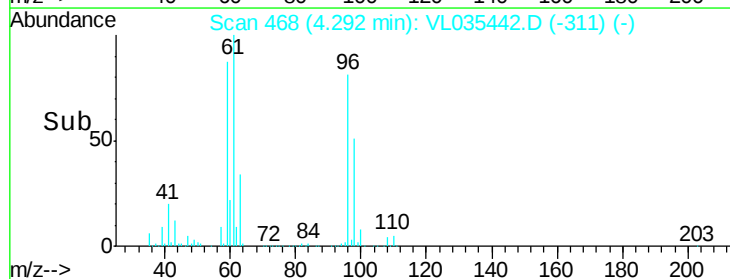
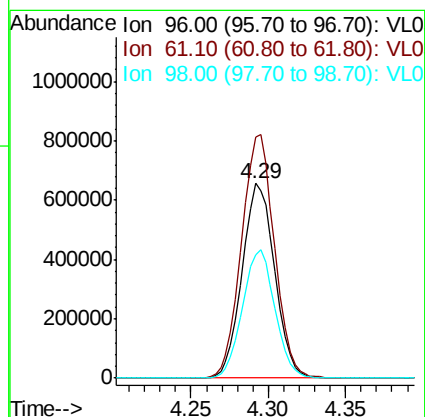
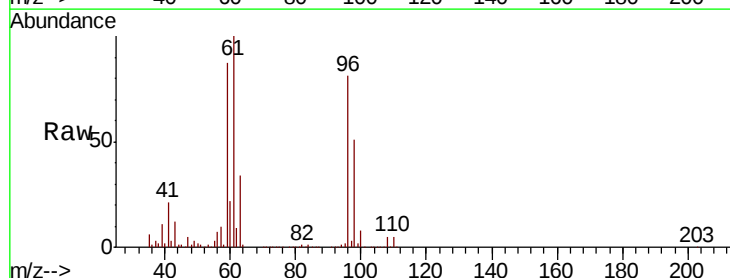
Tgt Ion: 96 Resp: 962356

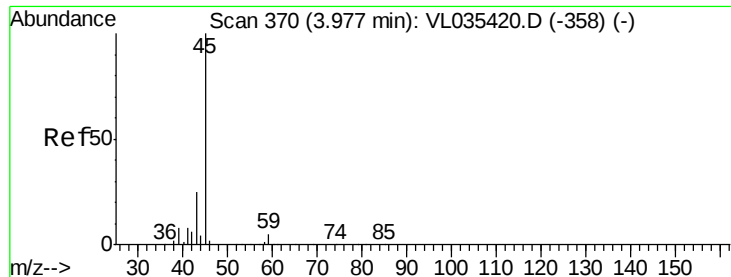
Ion Ratio Lower Upper

96 100

61 123.8 161.8 242.6#

98 63.3 49.3 73.9

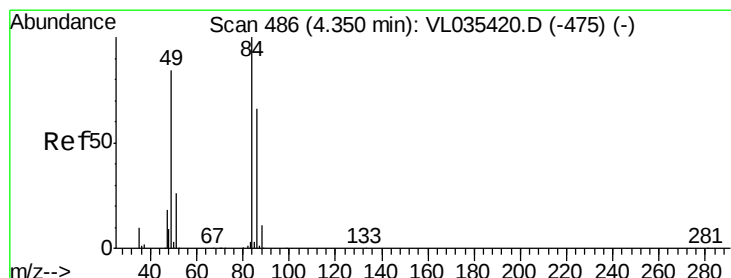
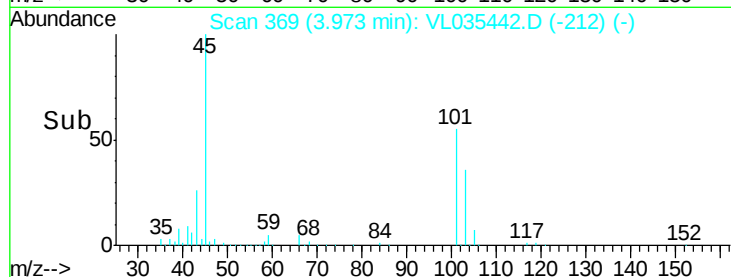
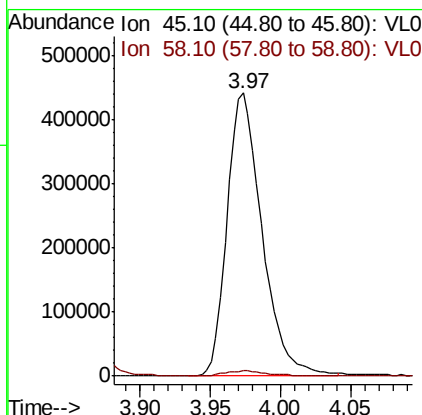
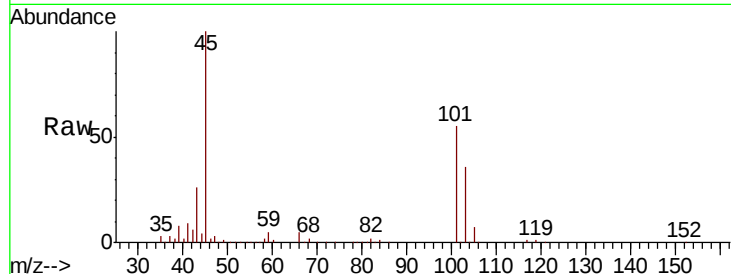




#19
Isopropyl Alcohol
Concen: 8.920 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

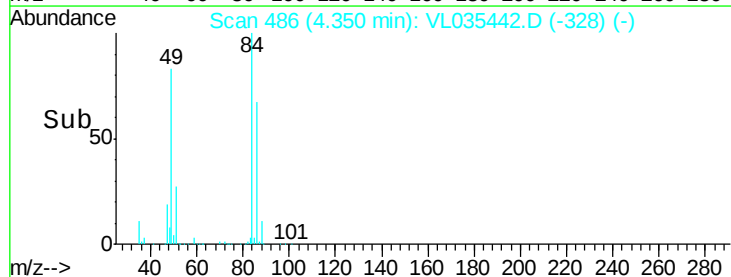
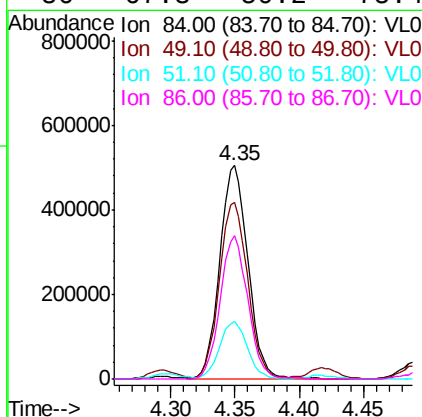
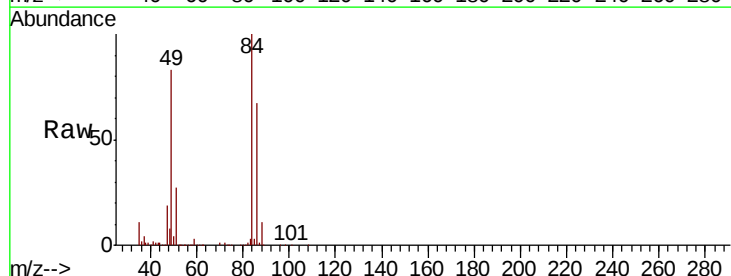
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

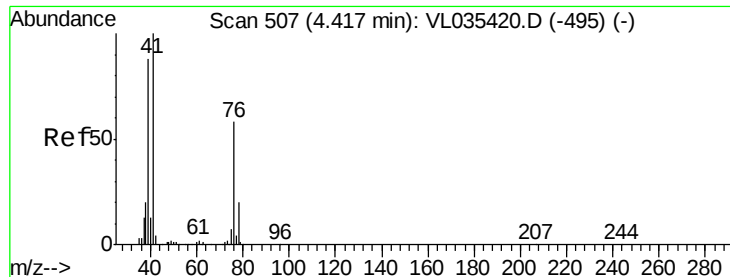
Tot Ion: 45 Resp: 766463
Ion Ratio Lower Upper
45 100
58 2.2 1.0 1.6#



#20
Methylene Chloride
Concen: 7.587 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 84 Resp: 763175
Ion Ratio Lower Upper
84 100
49 82.1 118.6 177.8#
51 26.1 36.4 54.6#
86 67.3 50.2 75.4

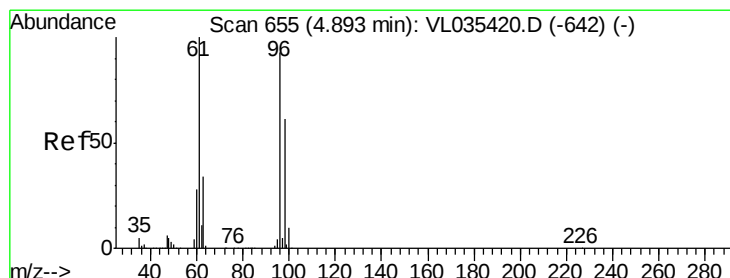
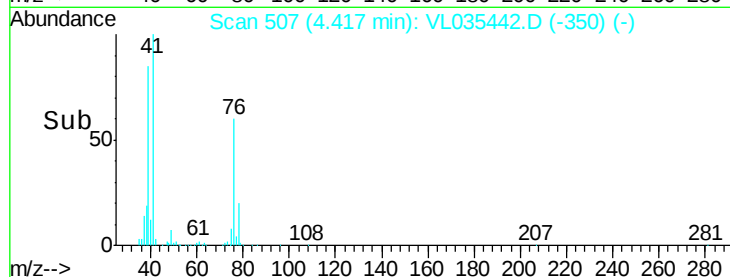
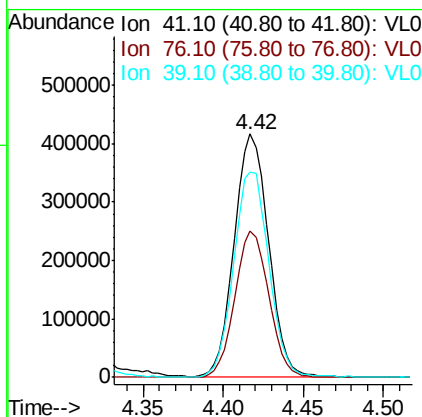
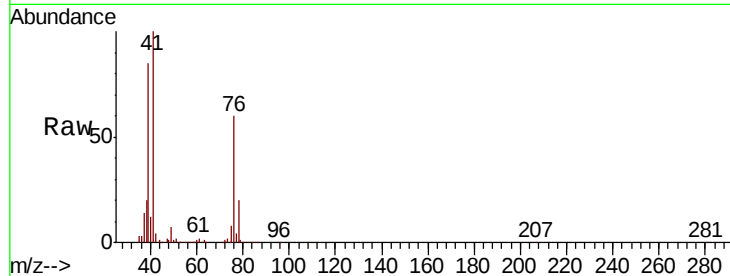




#21
Allvl Chloride
Concen: 9.527 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

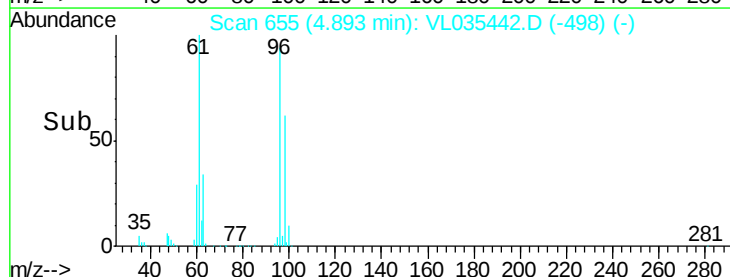
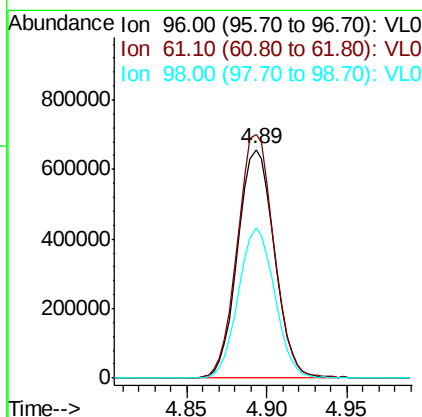
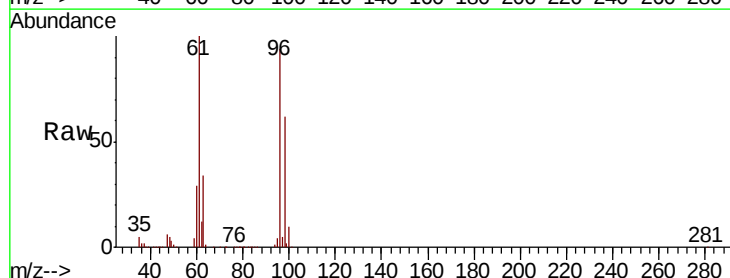
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

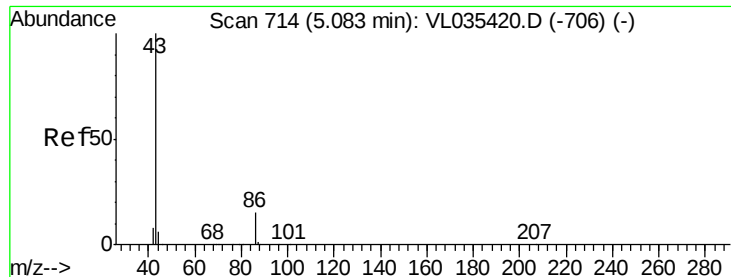
Tot Ion: 41 Resp: 603600
Ion Ratio Lower Upper
41 100
76 59.8 22.8 34.2#
39 87.4 66.2 99.2



#22
trans-1,2-Dichloroethene
Concen: 9.279 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 96 Resp: 1026385
Ion Ratio Lower Upper
96 100
61 106.4 142.2 213.2#
98 65.6 51.8 77.8





#23

Vinyl Acetate

Concen: 9.578 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

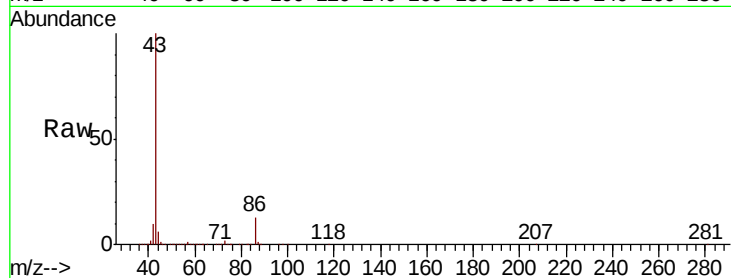
MSVOA_L

ClientSampleId :

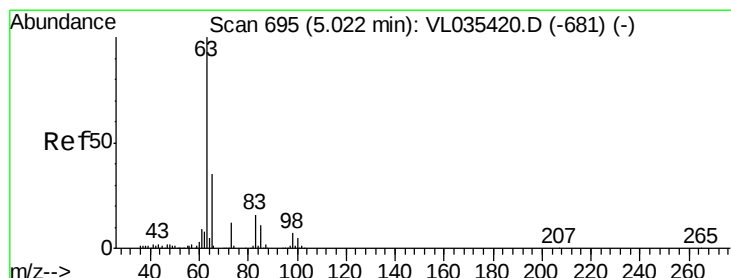
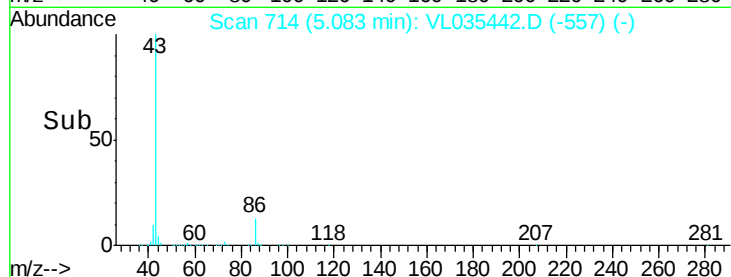
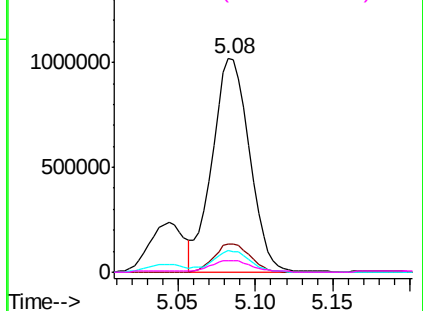
VSTDCCC010EC

Tot Ion: 43 Resp: 1706987

Ion	Ratio	Lower	Upper
43	100		
86	13.0	6.5	9.7#
42	10.1	8.3	12.5
44	5.5	4.0	6.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.200 ppbv

RT: 5.02 min Scan# 695

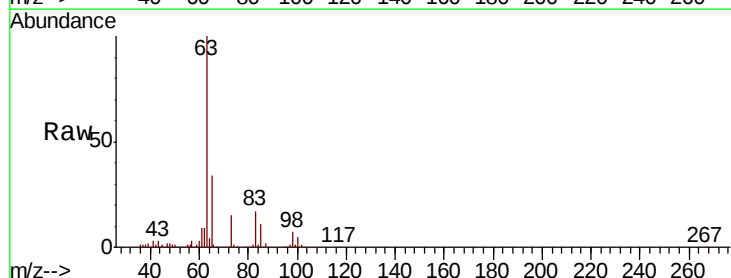
Delta R.T. 0.01 min

Lab File: VL035442.D

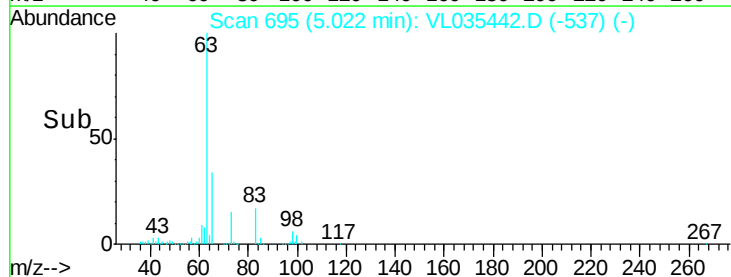
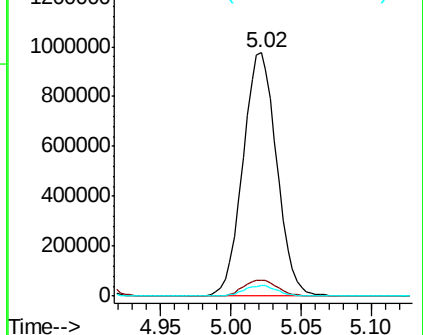
Acq: 18 Aug 2020 12:41

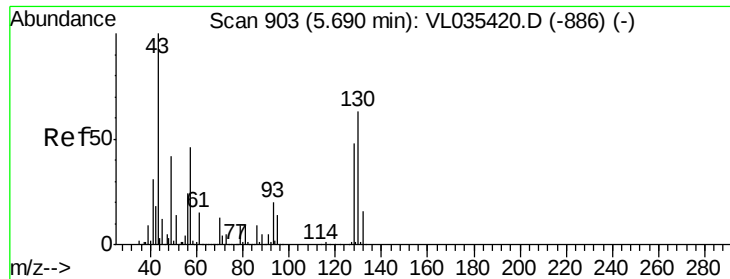
Tgt Ion: 63 Resp: 1636318

Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.1	6.5#
100	4.5	1.3	3.8#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



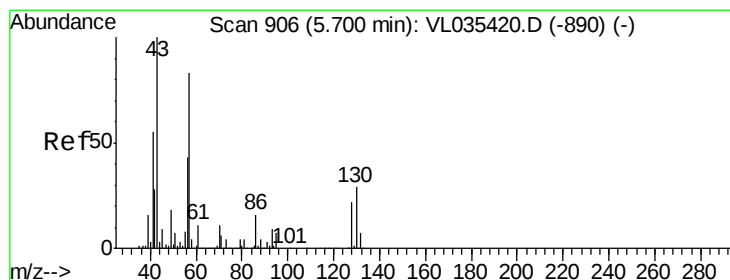
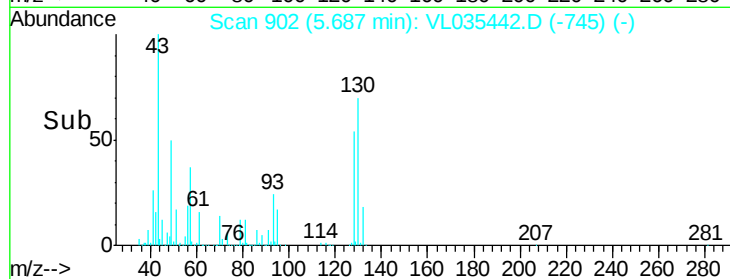
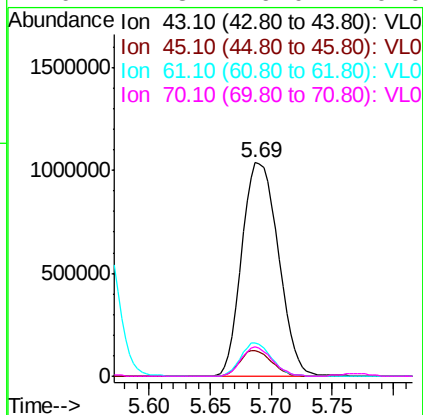
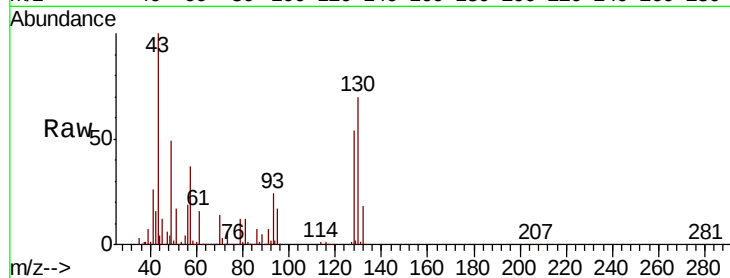


#25
Ethyl Acetate
Concen: 8.847 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2146356

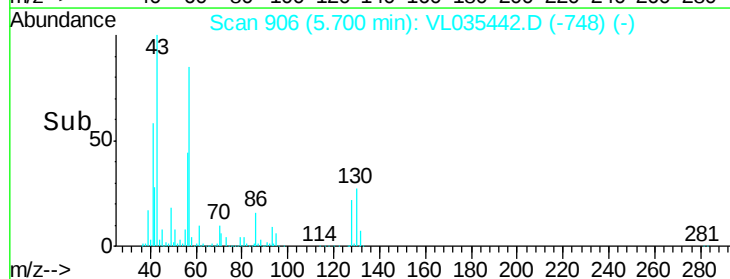
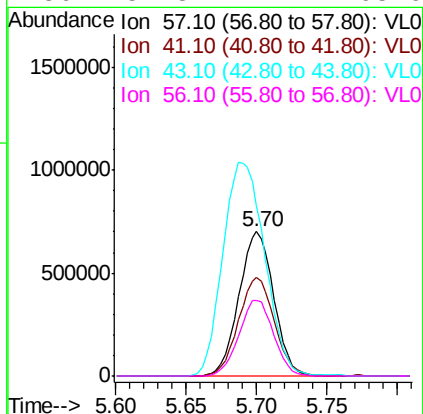
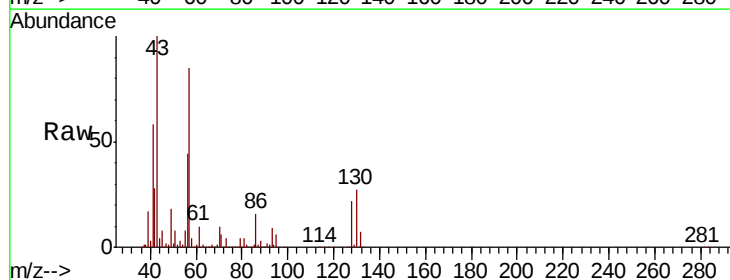
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	13.4	7.6	11.4#
70	11.8	6.0	9.0#

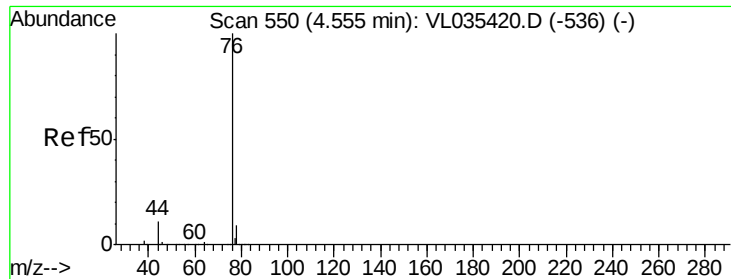


#26
Hexane
Concen: 8.817 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 57 Resp: 1207128

Ion	Ratio	Lower	Upper
57	100		
41	71.6	75.5	113.3#
43	178.7	181.7	272.5#
56	52.8	42.4	63.6





#27

Carbon Disulfide

Concen: 10.009 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

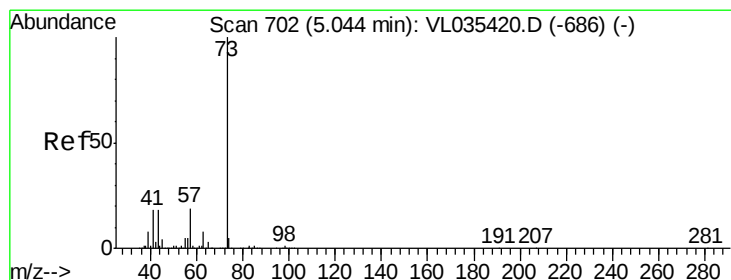
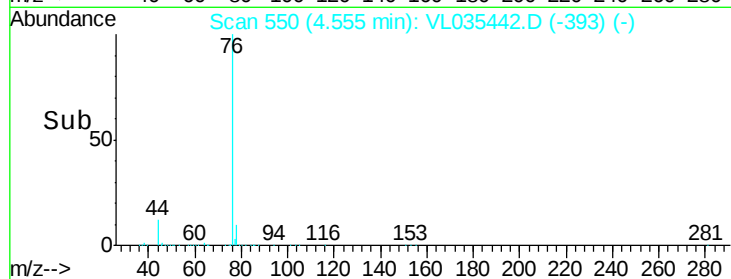
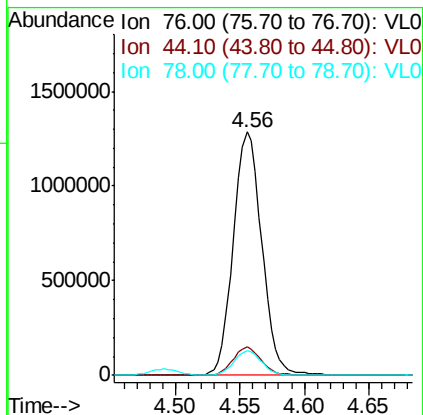
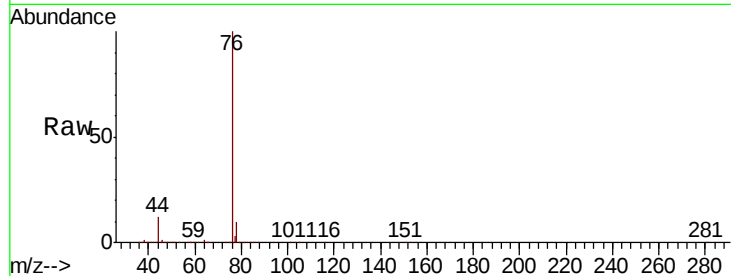
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1980820

Ion	Ratio	Lower	Upper
76	100		
44	11.6	16.8	25.2#
78	9.7	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 9.085 ppbv

RT: 5.04 min Scan# 702

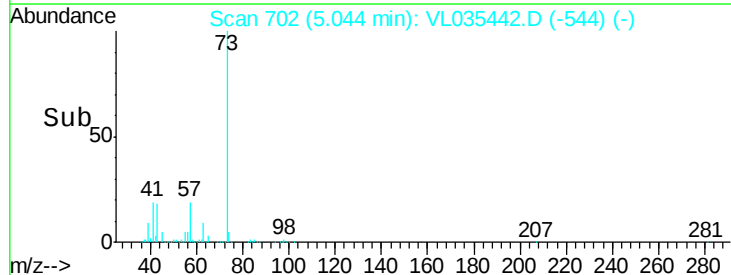
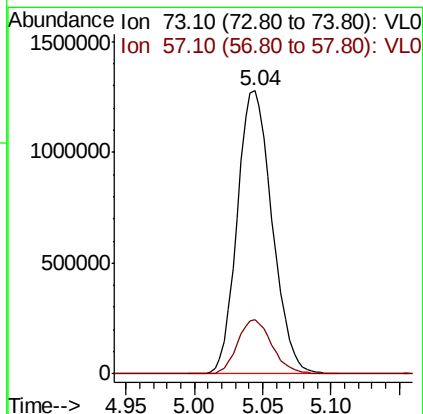
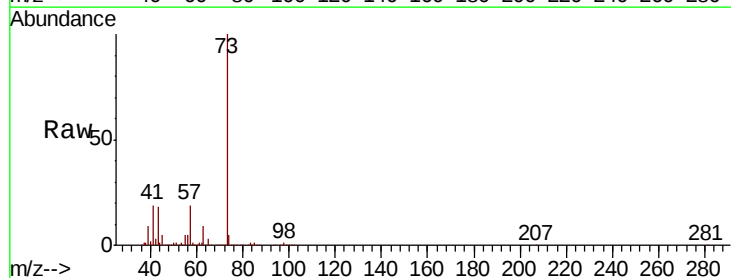
Delta R.T. 0.01 min

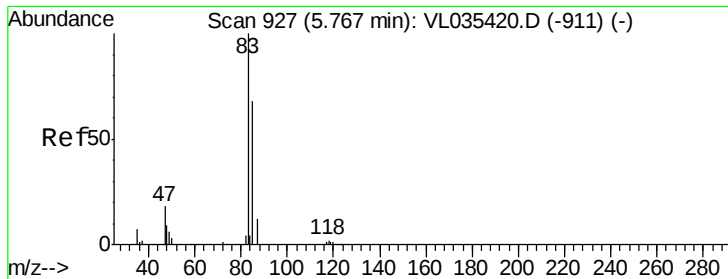
Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion: 73 Resp: 2272155

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.3	27.5

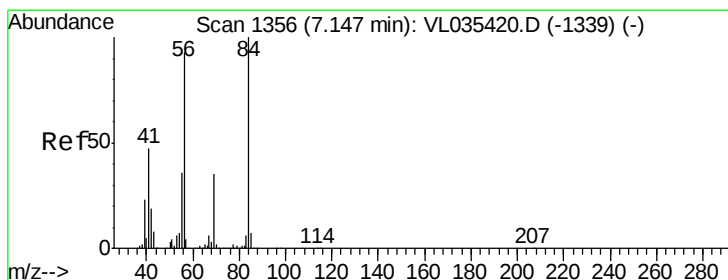
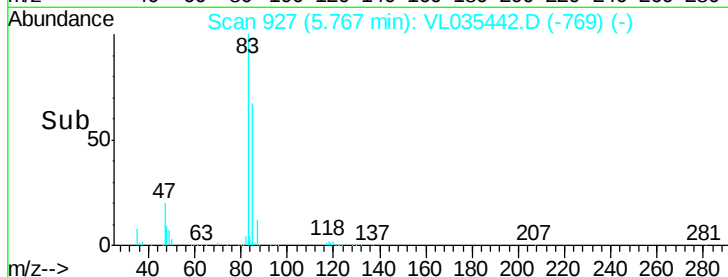
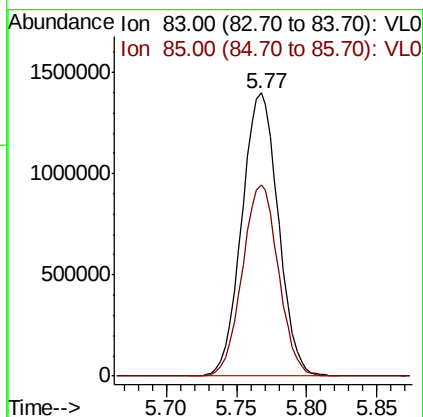
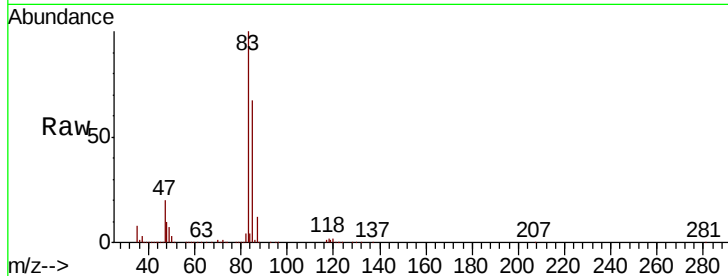




#29
Chloroform
Concen: 9.210 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

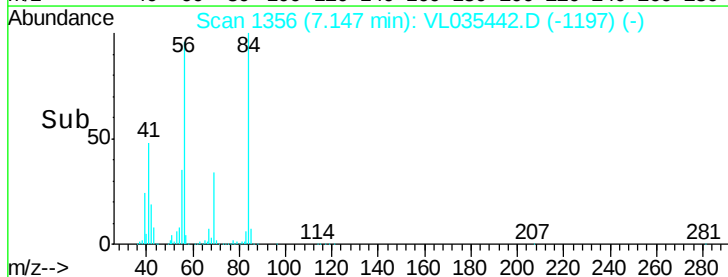
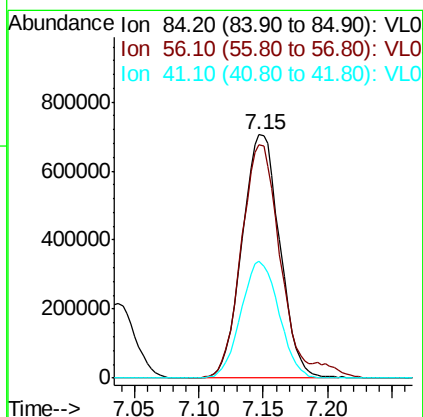
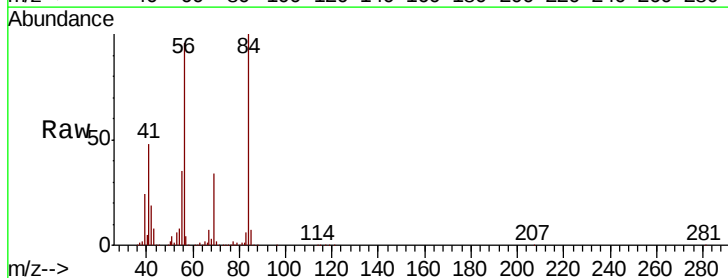
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

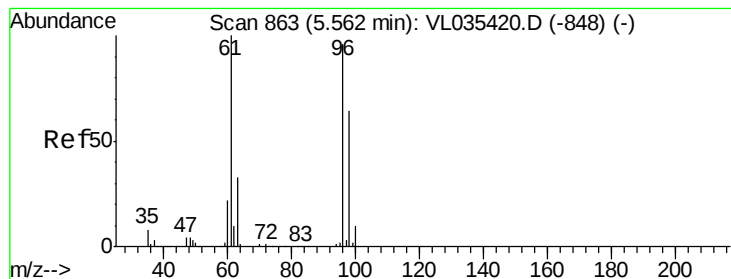
Tot Ion: 83 Resp: 2533410
Ion Ratio Lower Upper
83 100
85 67.3 52.7 79.1



#30
Cyclohexane
Concen: 9.486 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 84 Resp: 1440790
Ion Ratio Lower Upper
84 100
56 100.9 114.9 172.3#
41 48.1 72.3 108.5#





#31

cis-1,2-Dichloroethene

Concen: 9.396 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

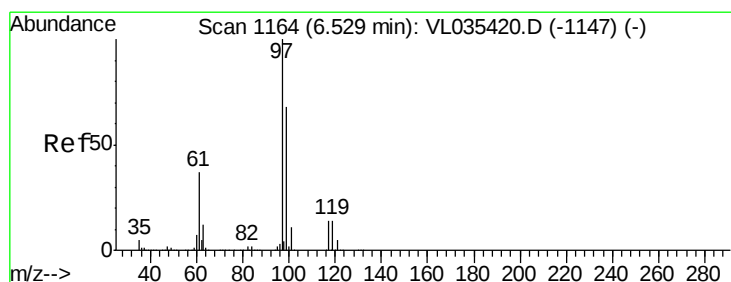
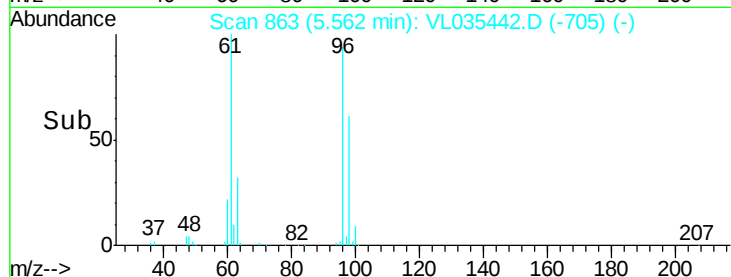
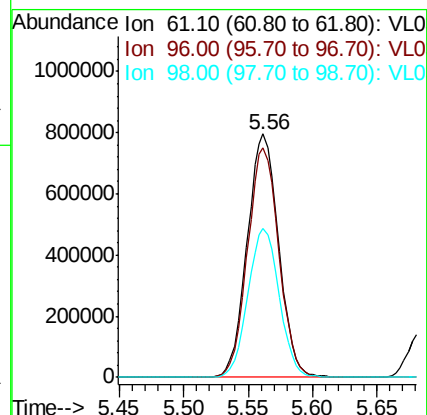
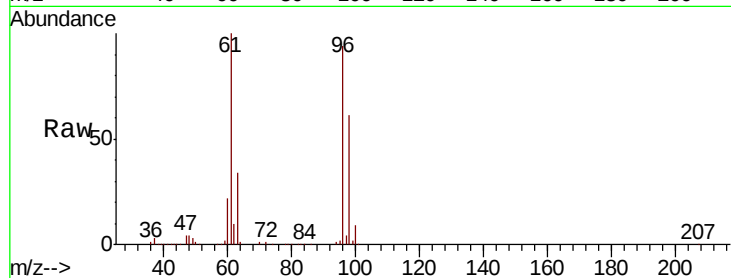
Tot Ion: 61 Resp: 1352972

Ion Ratio Lower Upper

61 100

96 94.1 51.4 77.0#

98 61.2 32.9 49.3#



#32

1,1,1-Trichloroethane

Concen: 10.070 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

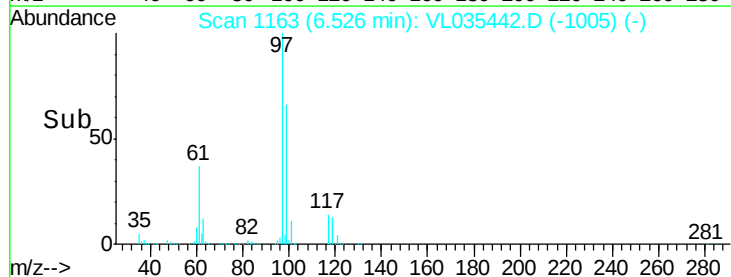
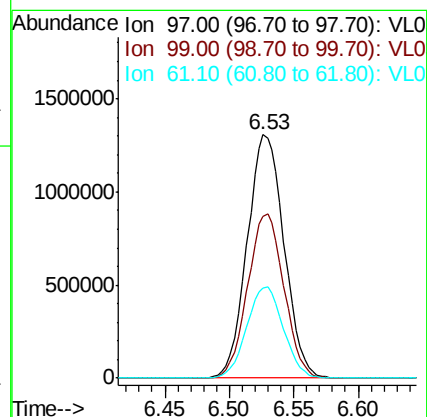
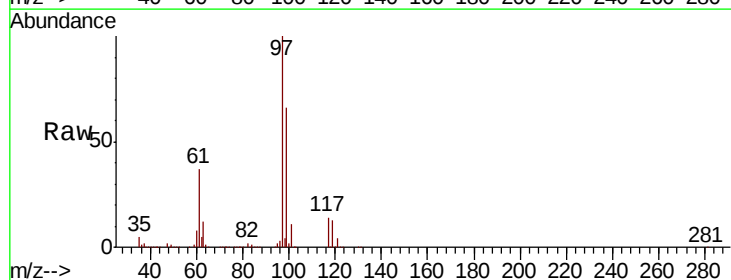
Tgt Ion: 97 Resp: 2596121

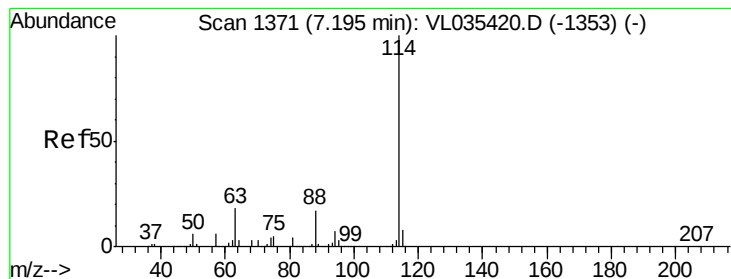
Ion Ratio Lower Upper

97 100

99 66.6 51.4 77.0

61 37.4 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

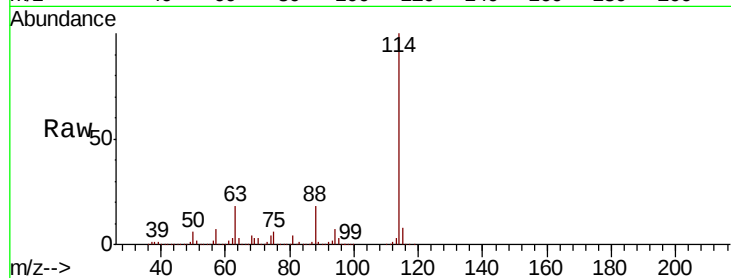
Tot Ion:114 Resp: 4921991

Ion Ratio Lower Upper

114 100

63 17.9 23.1 34.7#

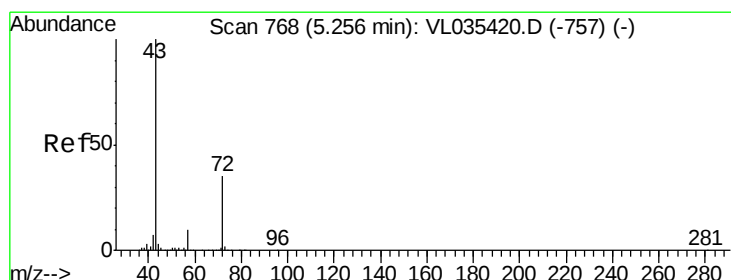
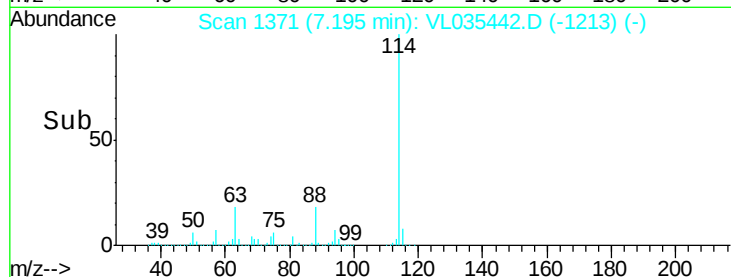
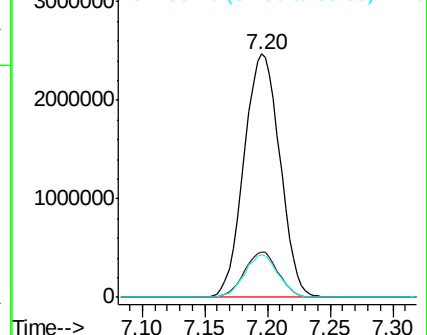
88 16.4 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.203 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL035442.D

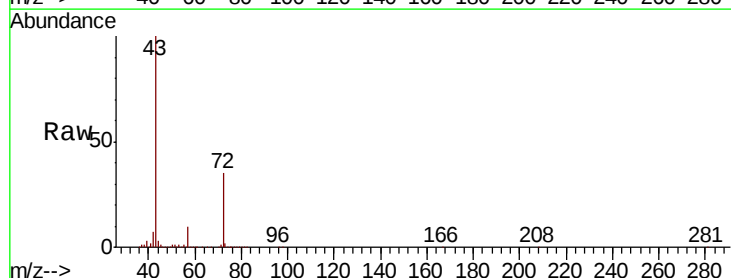
Acq: 18 Aug 2020 12:41

Tgt Ion: 43 Resp: 1513404

Ion Ratio Lower Upper

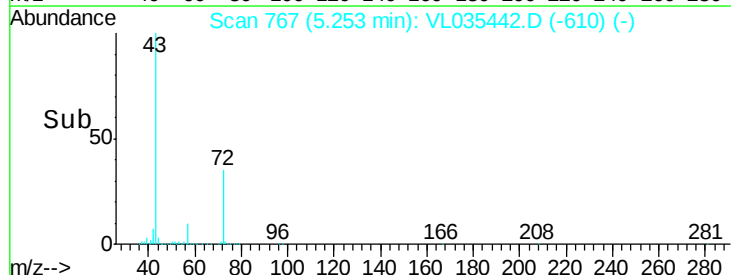
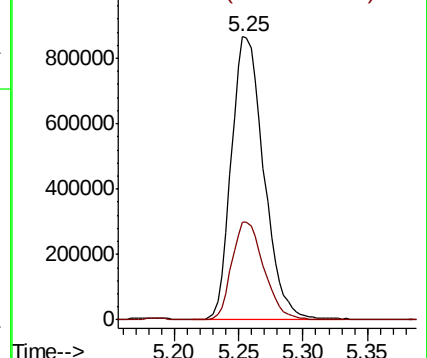
43 100

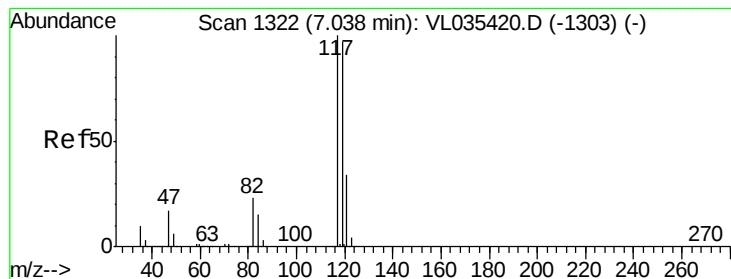
72 34.4 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.710 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

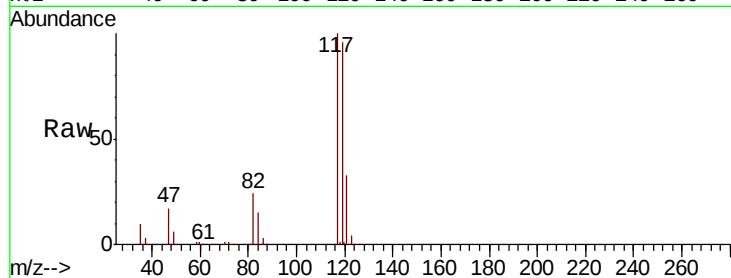
Tot Ion:117 Resp: 2803733

Ion Ratio Lower Upper

117 100

119 96.5 76.1 114.1

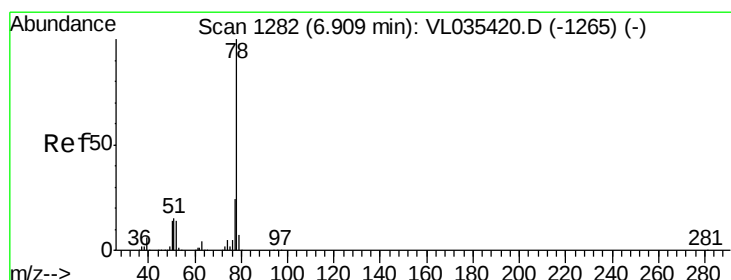
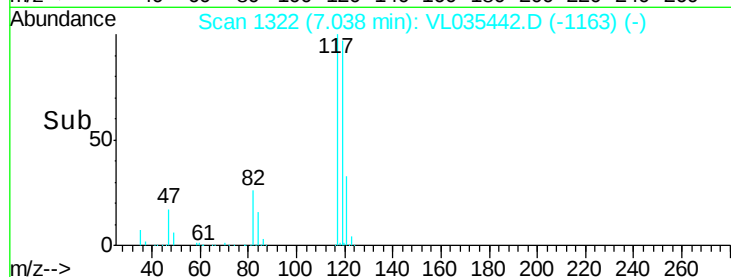
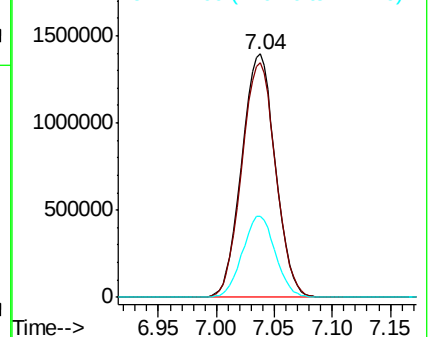
121 33.2 25.5 38.3



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: 9.061 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

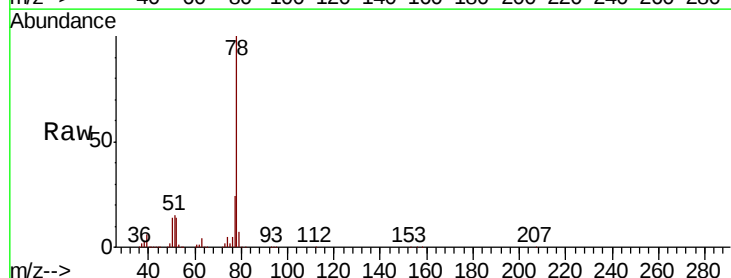
Tgt Ion: 78 Resp: 3273057

Ion Ratio Lower Upper

78 100

77 23.6 19.6 29.4

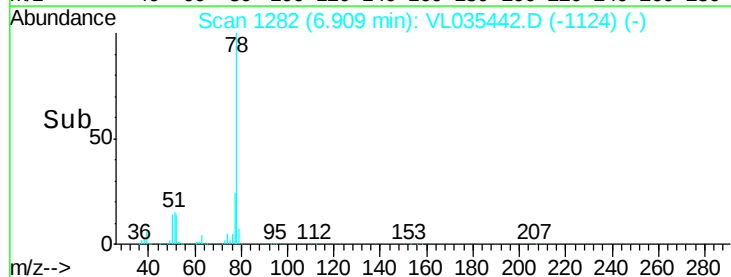
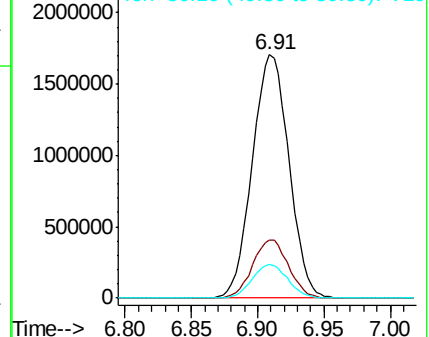
50 14.1 16.3 24.5#

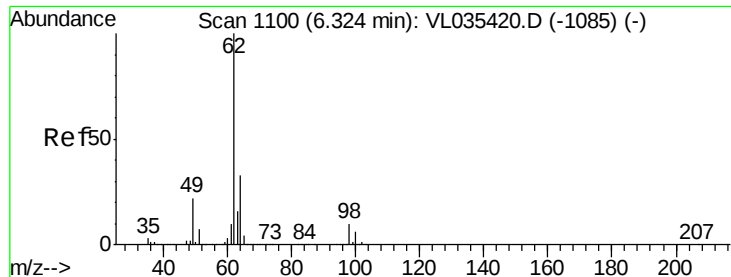


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

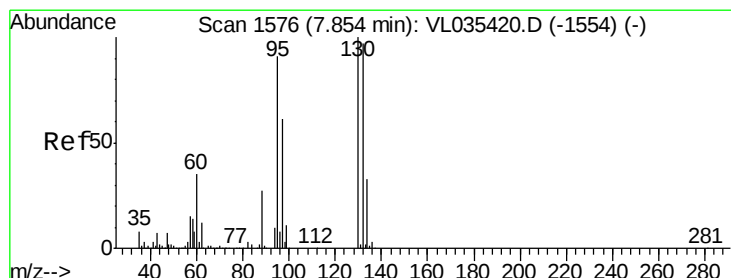
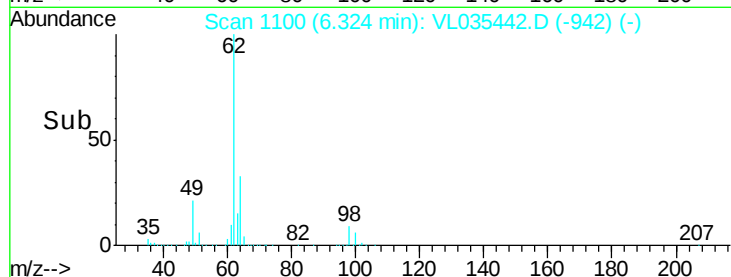
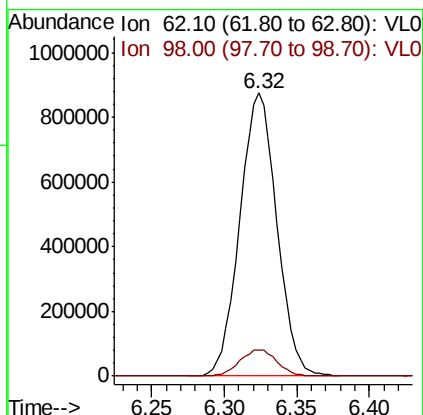
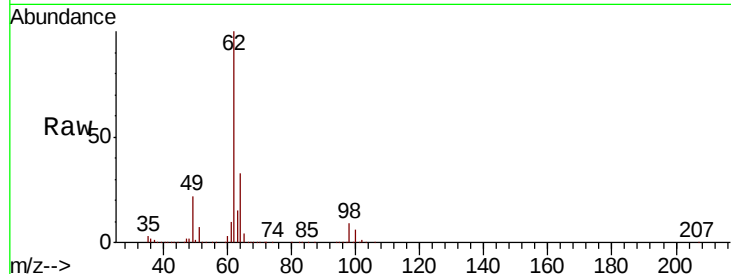




#37
 1,2-Dichloroethane
 Concen: 9.408 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

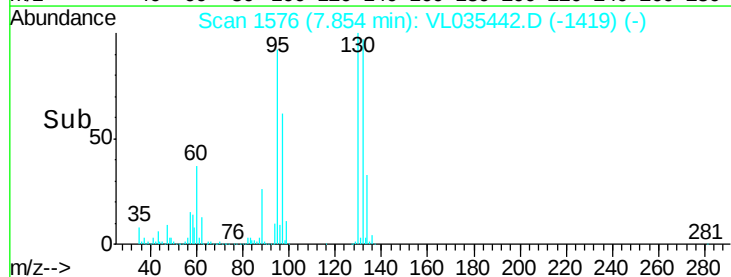
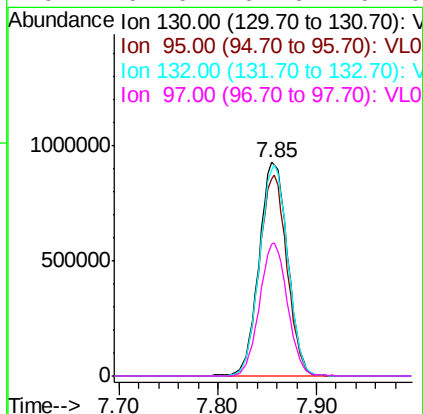
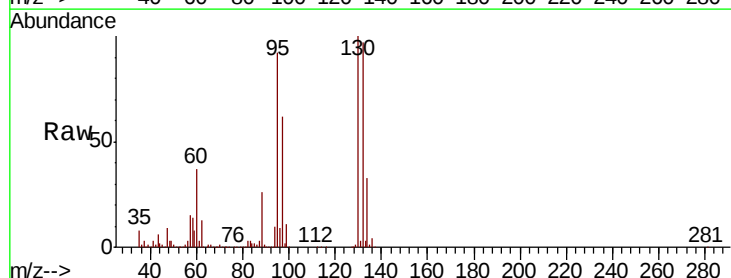
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

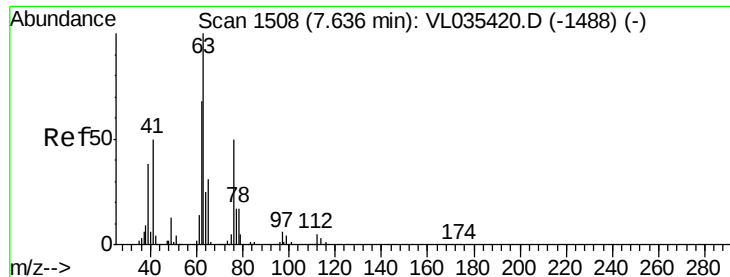
Tot Ion: 62 Resp: 1553147
 Ion Ratio Lower Upper
 62 100
 98 9.5 4.6 7.0#



#38
 Trichloroethene
 Concen: 9.216 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion: 130 Resp: 1852022
 Ion Ratio Lower Upper
 130 100
 95 92.4 95.8 143.8#
 132 96.6 74.3 111.5
 97 61.6 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.301 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

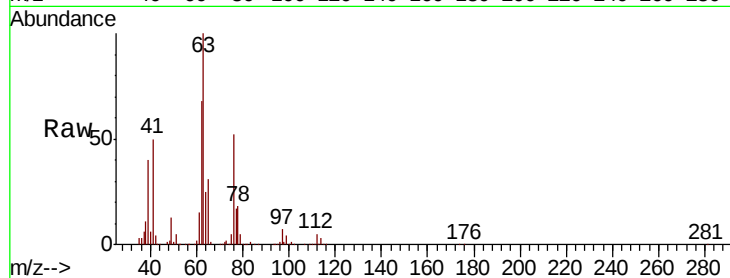
Tot Ion: 63 Resp: 1107366

Ion Ratio Lower Upper

63 100

41 50.0 61.1 91.7#

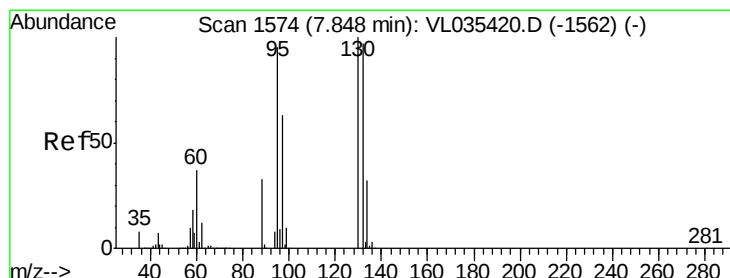
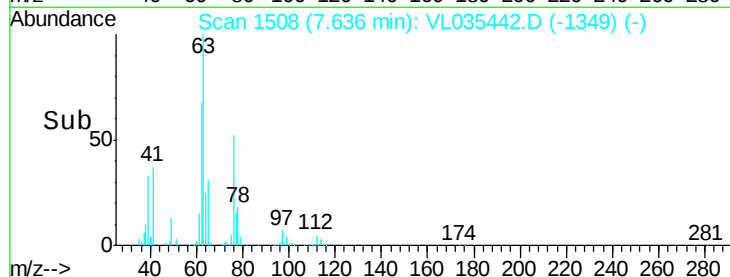
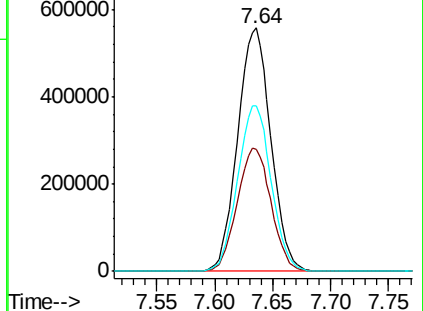
62 67.9 55.3 82.9



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: 8.652 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion: 88 Resp: 561095

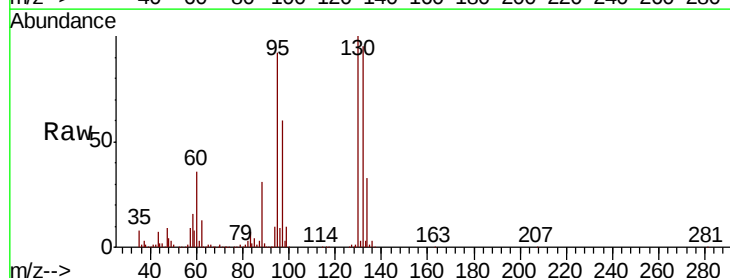
Ion Ratio Lower Upper

88 100

58 89.1 106.6 160.0#

43 139.0 209.7 314.5#

57 744.7 873.3 1309.9#

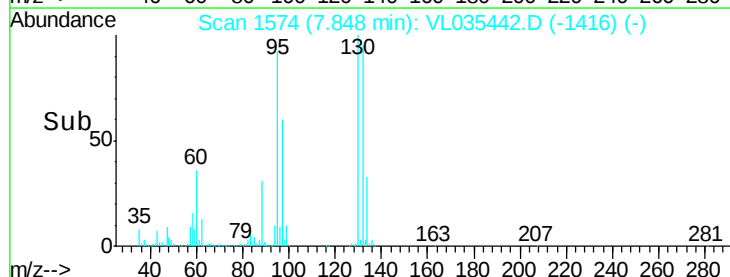
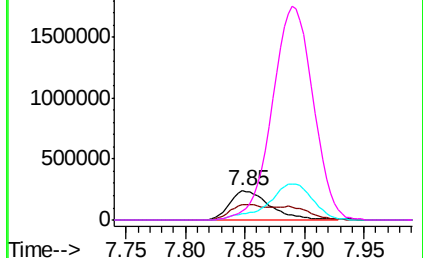


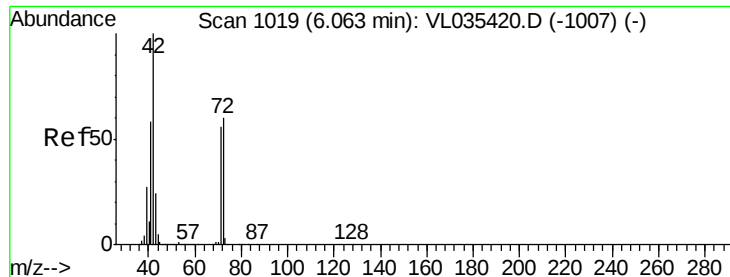
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.740 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

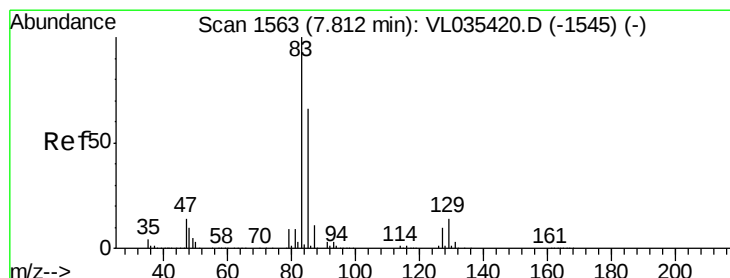
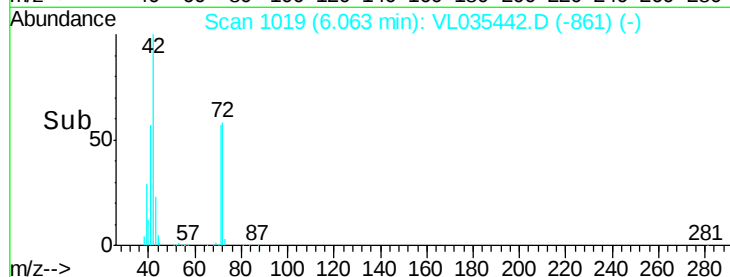
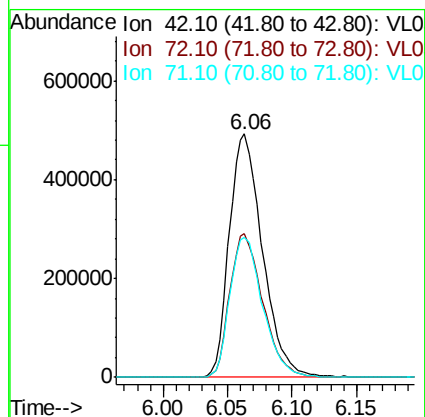
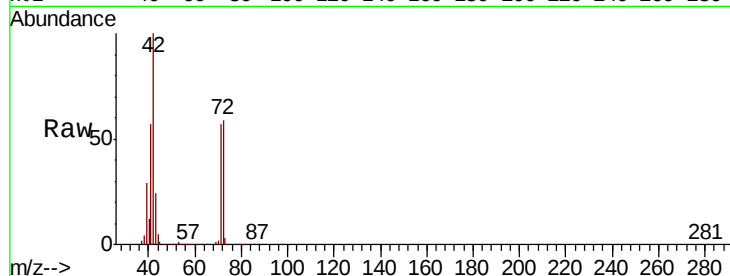
Tot Ion: 42 Resp: 883519

Ion Ratio Lower Upper

42 100

72 58.6 29.4 44.2#

71 57.1 28.9 43.3#



#42

Bromodichloromethane

Concen: 9.860 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

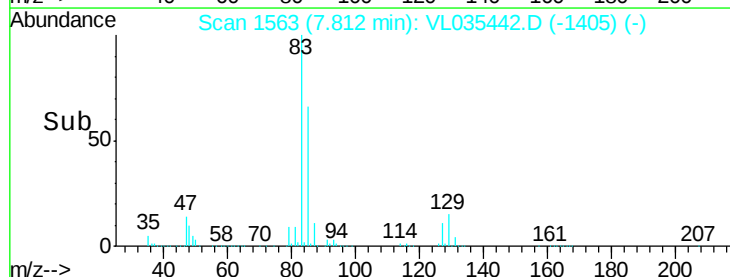
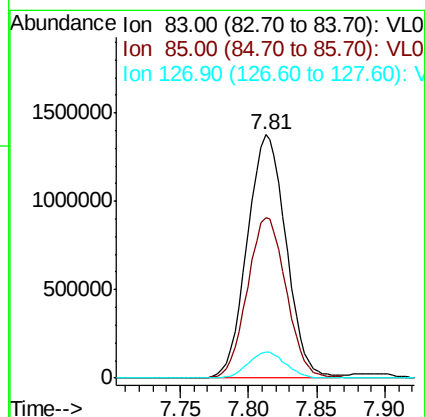
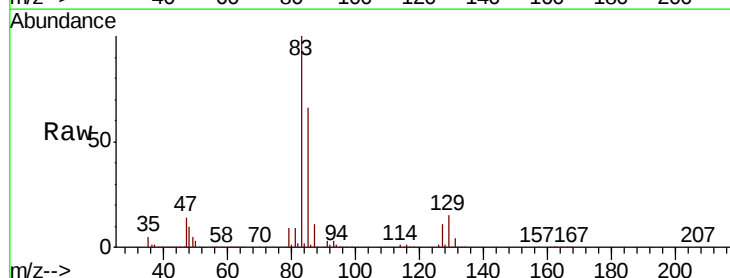
Tgt Ion: 83 Resp: 2723874

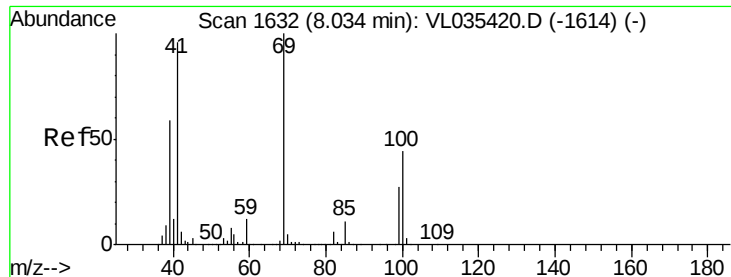
Ion Ratio Lower Upper

83 100

85 65.8 54.8 82.2

127 10.6 6.1 9.1#

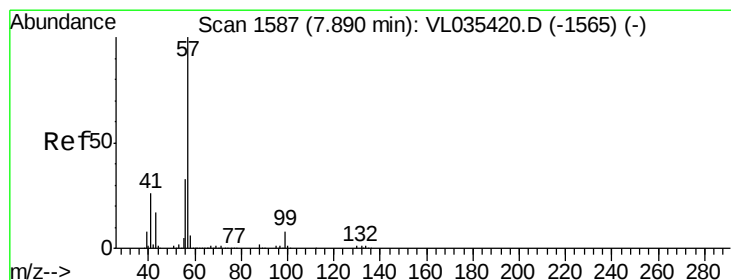
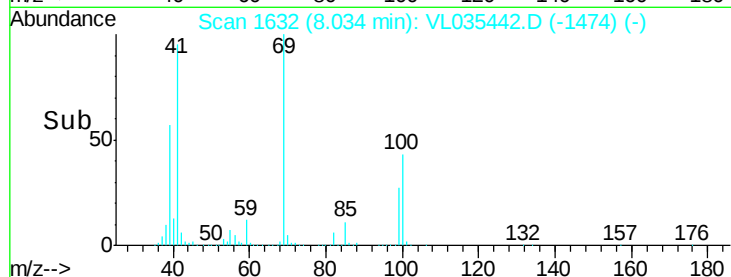
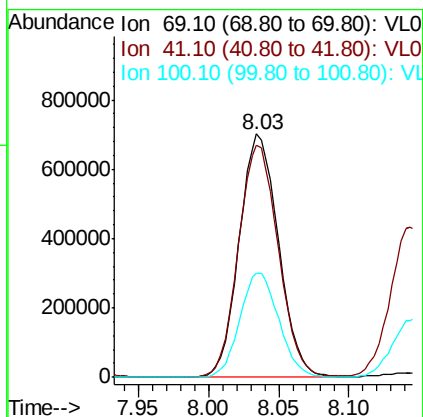
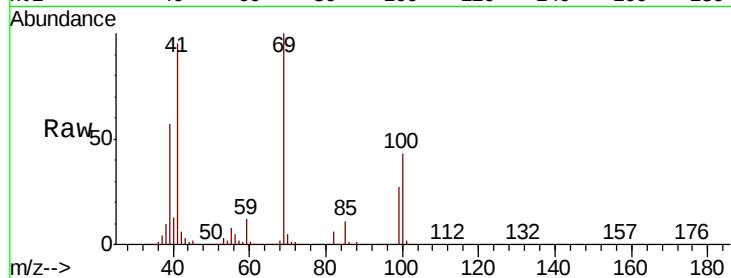




#43
Methvl Methacrilate
Concen: 9.700 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

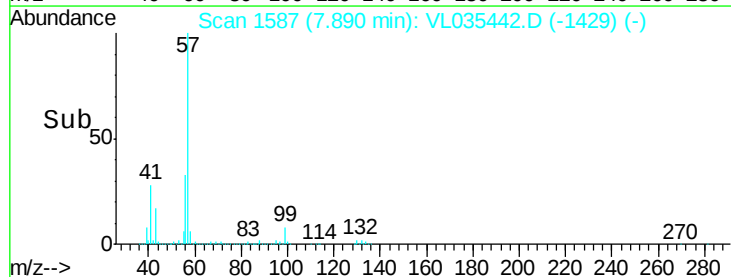
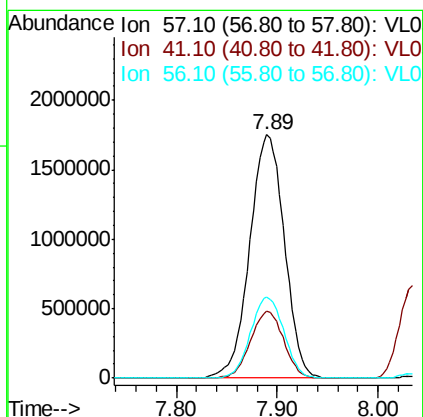
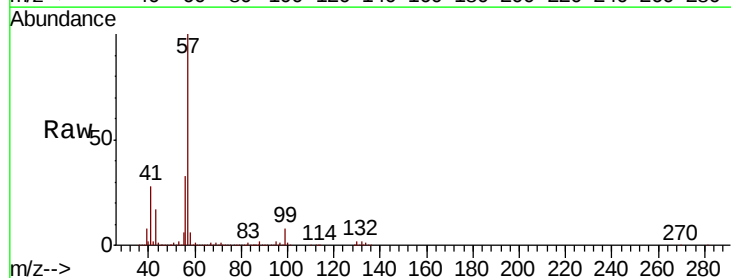
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

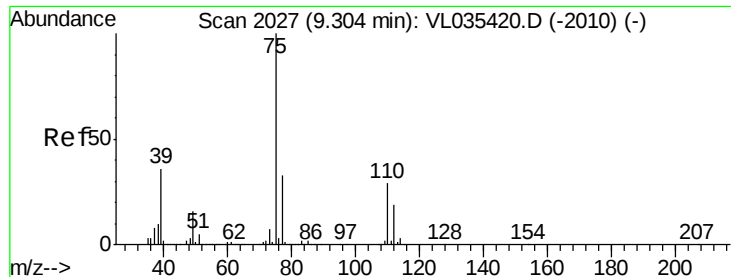
Tot Ion: 69 Resp: 1370303
Ion Ratio Lower Upper
69 100
41 96.9 123.4 185.0#
100 42.6 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 8.847 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 57 Resp: 4173466
Ion Ratio Lower Upper
57 100
41 26.2 27.2 40.8#
56 32.0 25.4 38.0

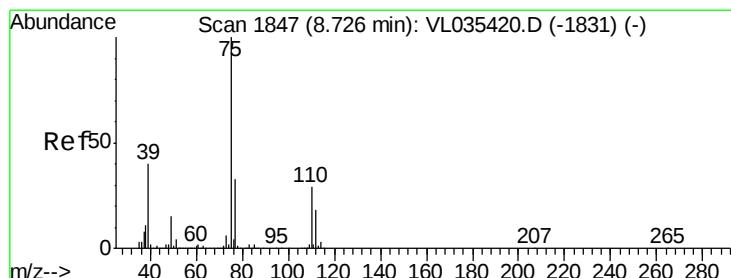
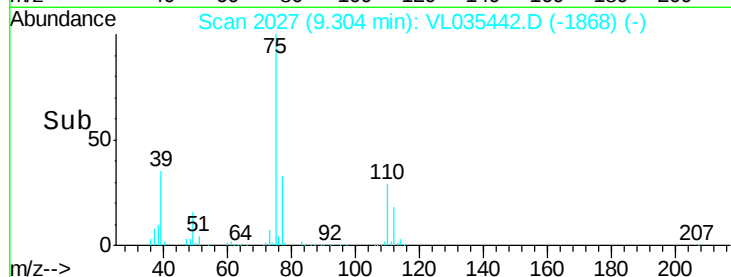
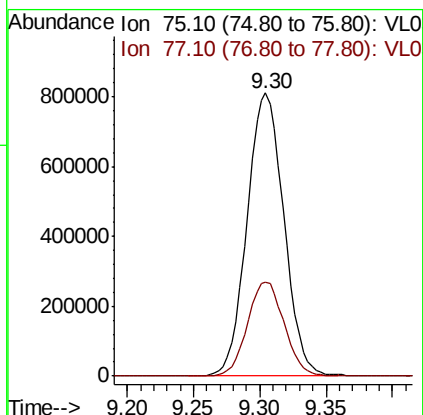
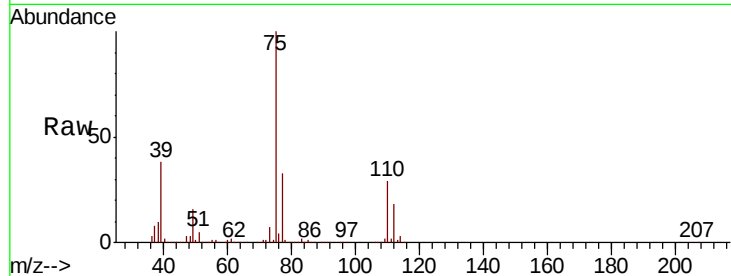




#45
 t-1,3-Dichloropropene
 Concen: 10.772 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

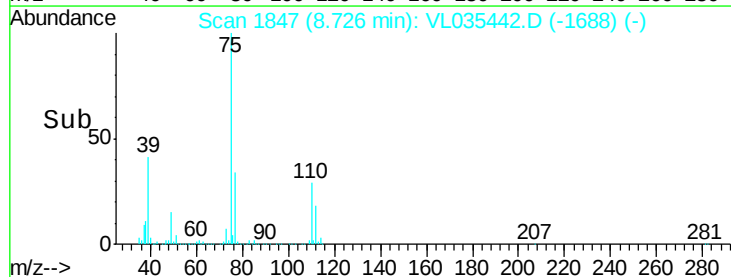
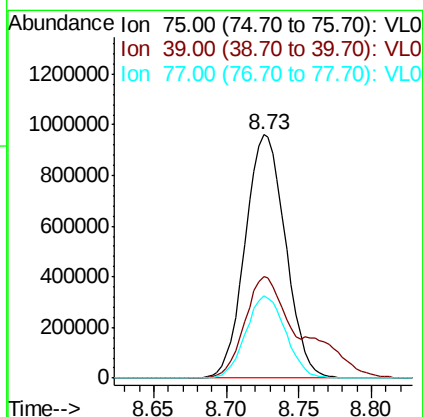
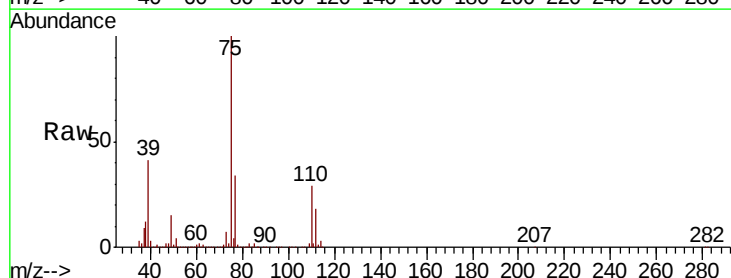
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

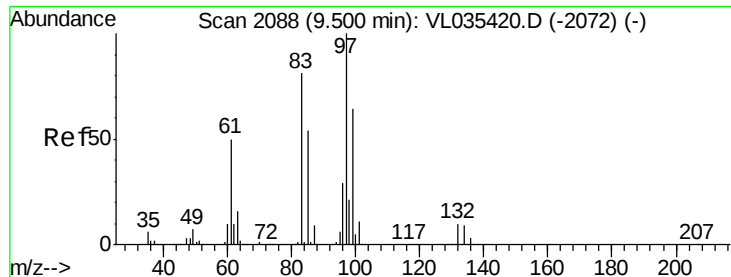
Tot Ion: 75 Resp: 1567490
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.0 37.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.291 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion: 75 Resp: 1865557
 Ion Ratio Lower Upper
 75 100
 39 41.4 55.8 83.6#
 77 33.8 25.6 38.4

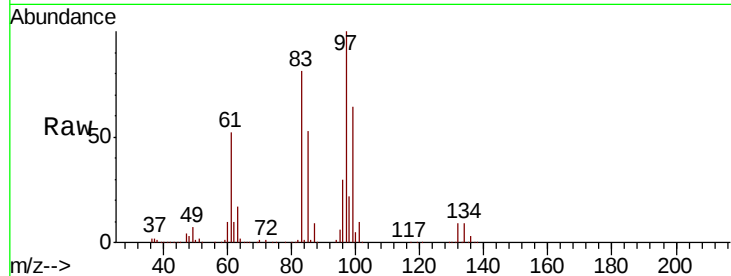




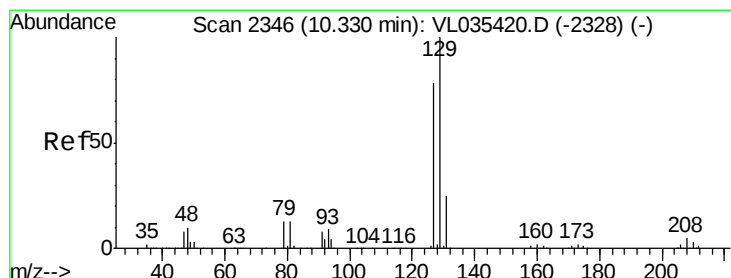
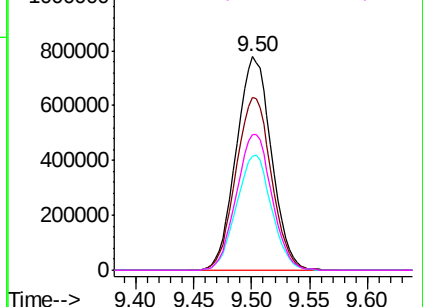
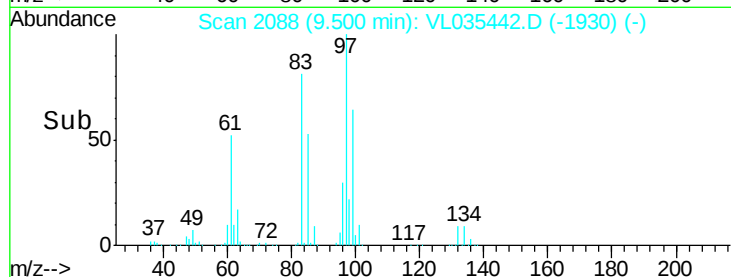
#47
 1,1,2-Trichloroethane
 Concen: 9.273 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1649001
 Ion Ratio Lower Upper
 97 100
 83 81.0 72.1 108.1
 85 53.2 46.8 70.2
 99 63.7 48.6 73.0

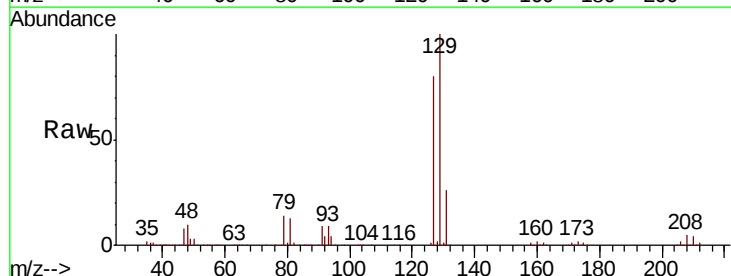


Abundance Ion 97.00 (96.70 to 97.70): VL0
 1200000 Ion 83.00 (82.70 to 83.70): VL0
 1000000 Ion 85.00 (84.70 to 85.70): VL0
 800000 Ion 99.00 (98.70 to 99.70): VL0

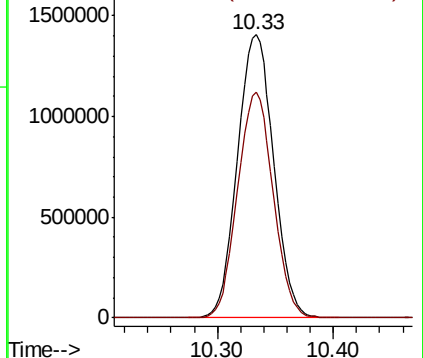
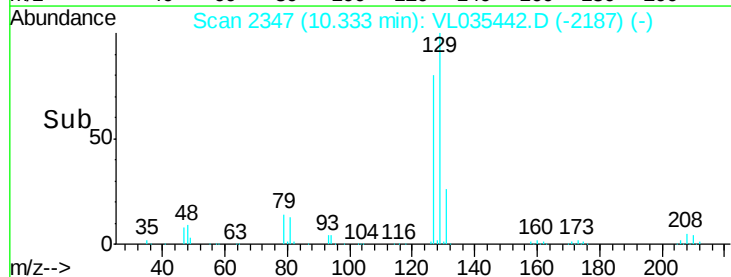


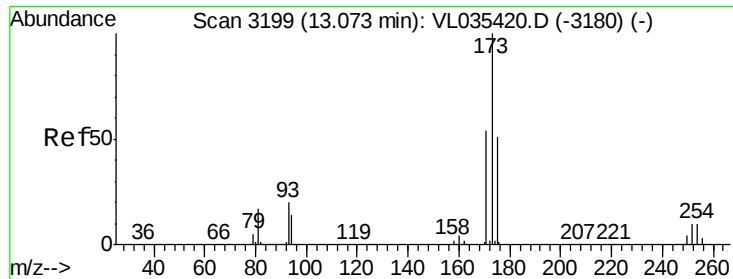
#48
 Dibromochloromethane
 Concen: 10.228 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion: 129 Resp: 3051252
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V
 1500000 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.797 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

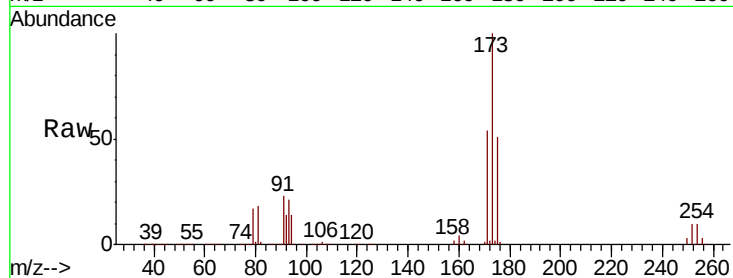
Tot Ion:173 Resp: 3102985

Ion Ratio Lower Upper

173 100

175 50.7 39.8 59.8

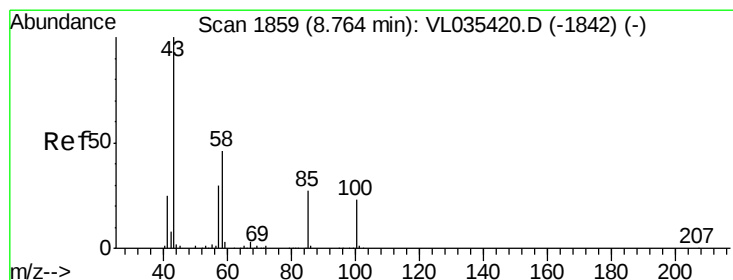
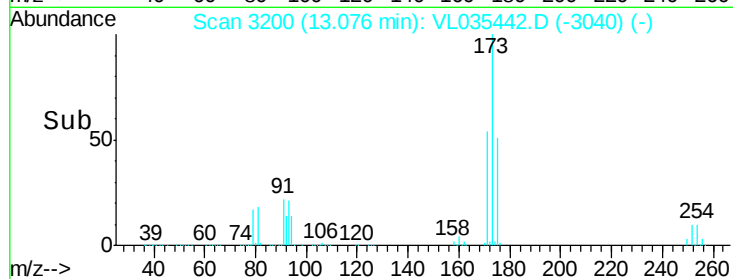
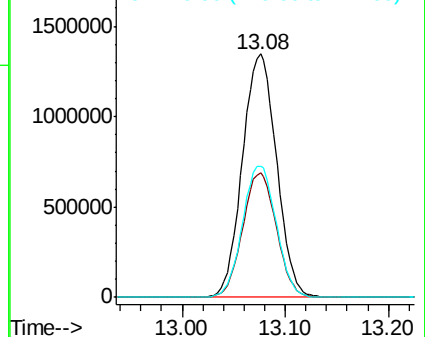
171 53.7 42.4 63.6



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: 9.505 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL035442.D

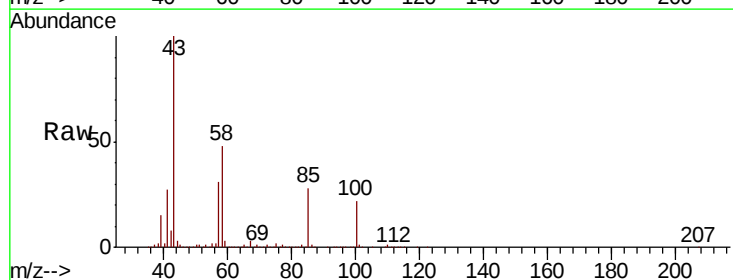
Acq: 18 Aug 2020 12:41

Tgt Ion: 43 Resp: 2242078

Ion Ratio Lower Upper

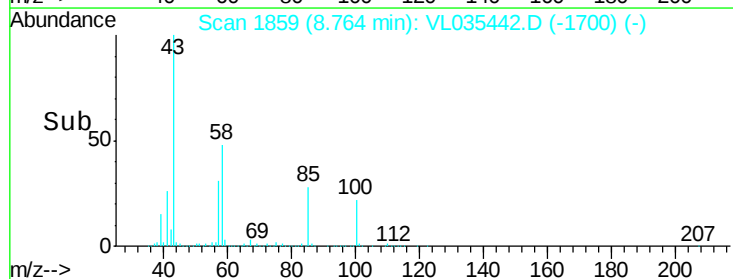
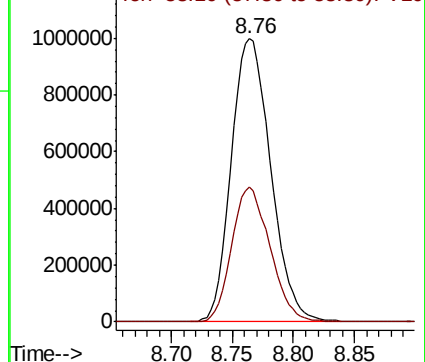
43 100

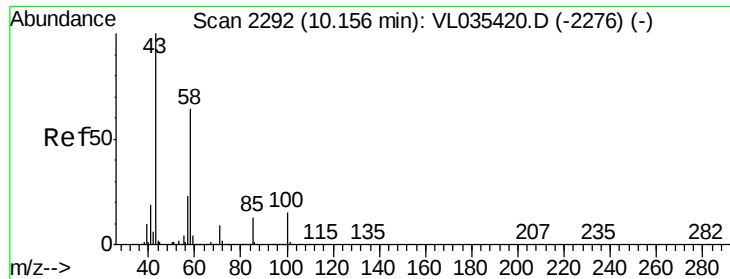
58 46.5 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.775 ppbv

RT: 10.16 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

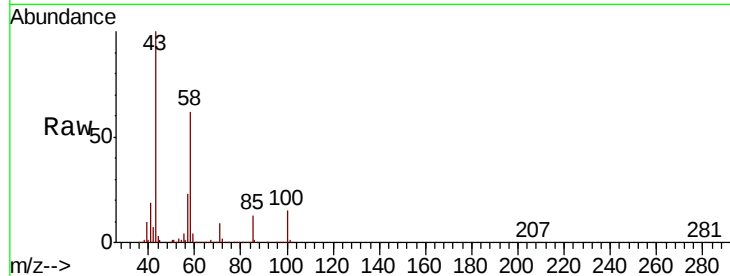
Tot Ion: 43 Resp: 1943730

Ion Ratio Lower Upper

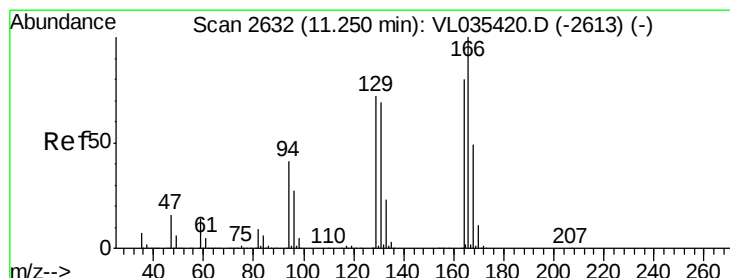
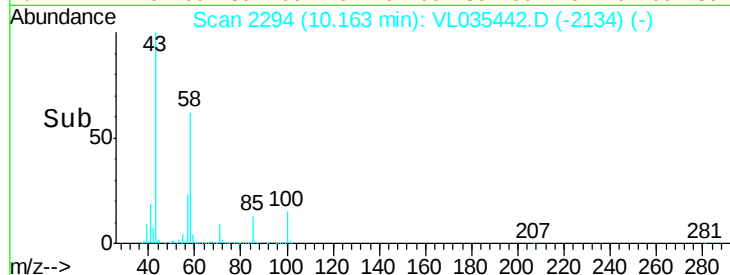
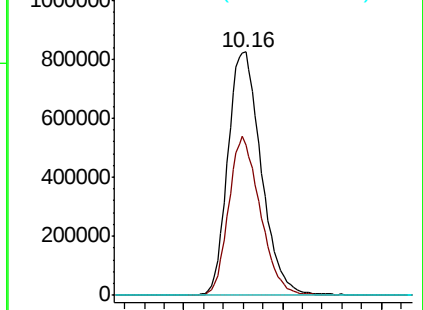
43 100

58 62.1 38.6 58.0#

98 0.4 0.2 0.2#



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: 9.143 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion: 164 Resp: 2014703

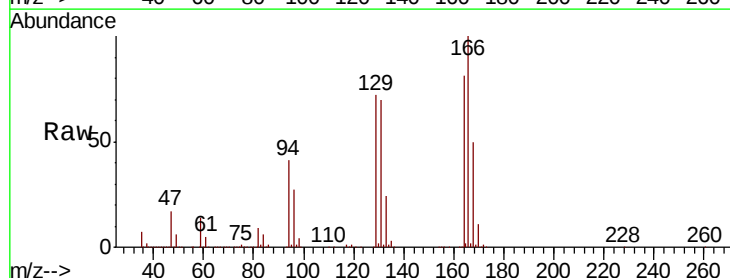
Ion Ratio Lower Upper

164 100

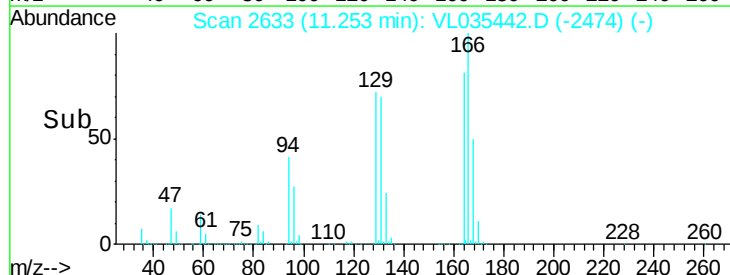
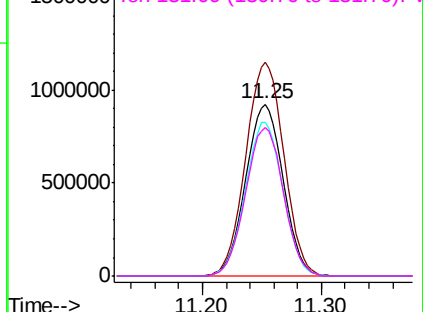
166 124.1 103.4 155.0

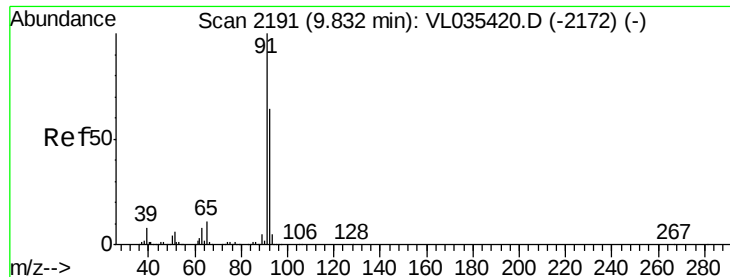
129 89.5 90.2 135.4#

131 86.6 91.7 137.5#



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: 9.170 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

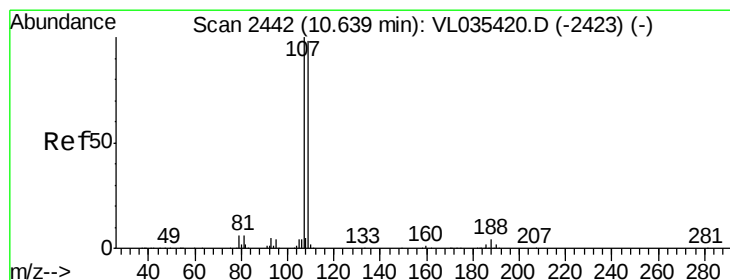
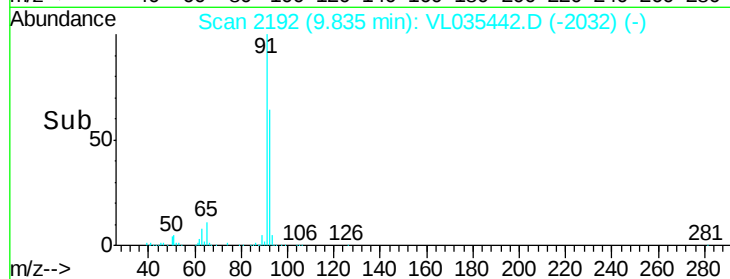
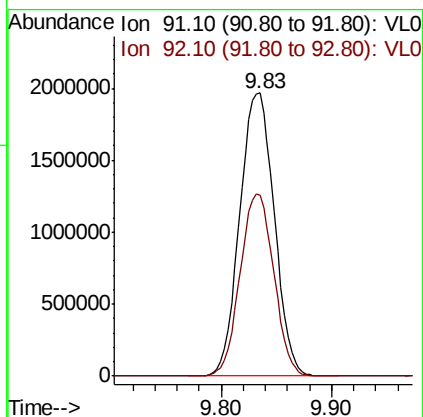
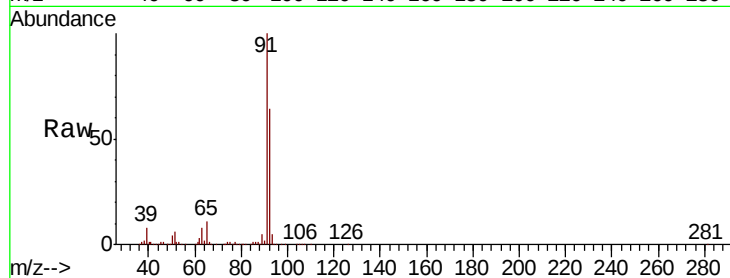
VSTDCCC010EC

Tot Ion: 91 Resp: 4266821

Ion Ratio Lower Upper

91 100

92 62.9 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.313 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035442.D

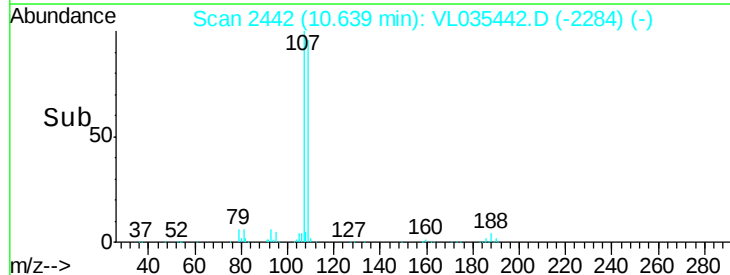
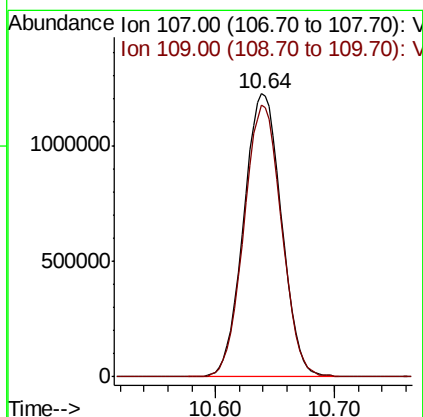
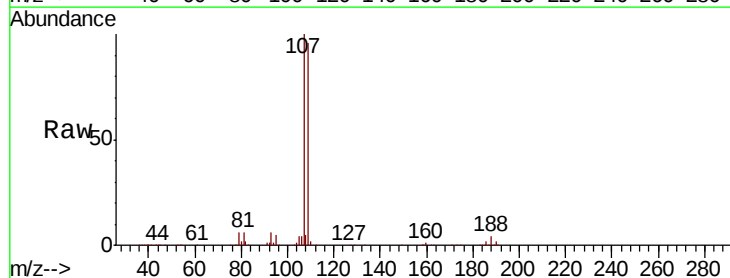
Acq: 18 Aug 2020 12:41

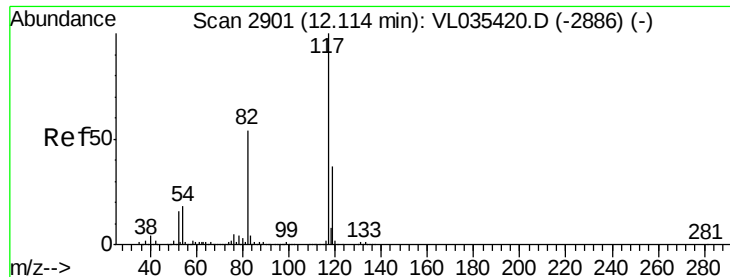
Tgt Ion: 107 Resp: 2689910

Ion Ratio Lower Upper

107 100

109 96.2 75.1 112.7

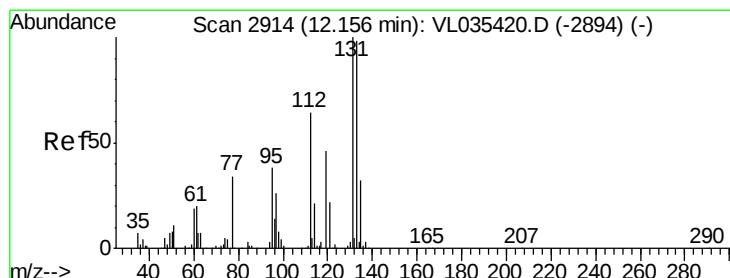
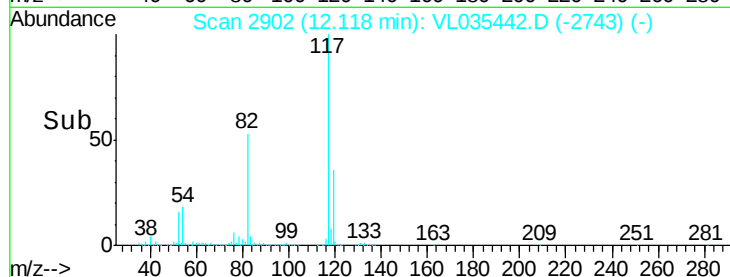
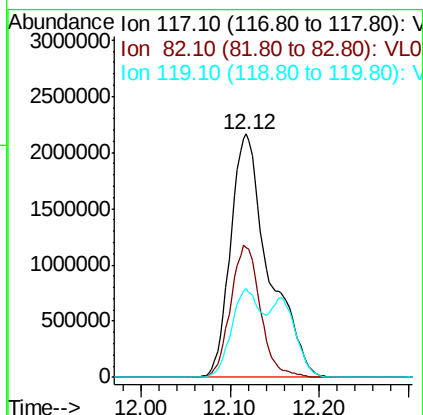
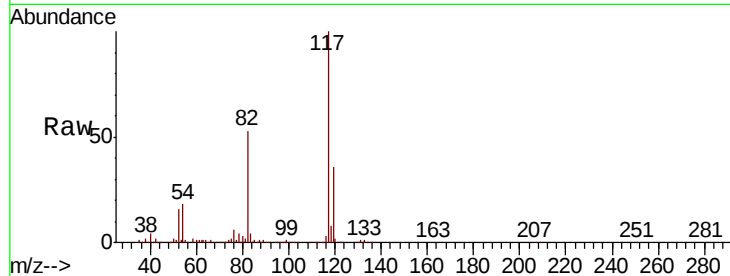




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

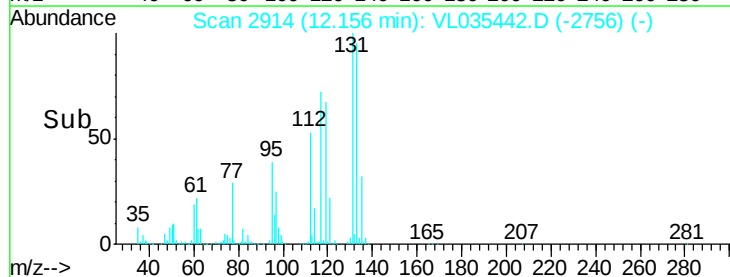
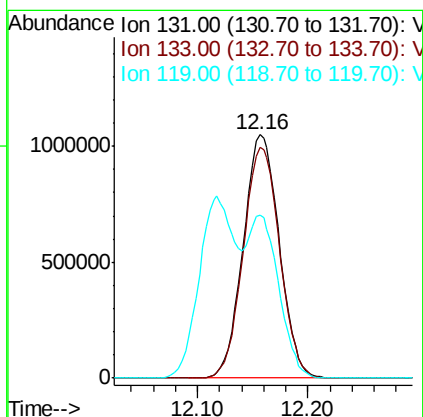
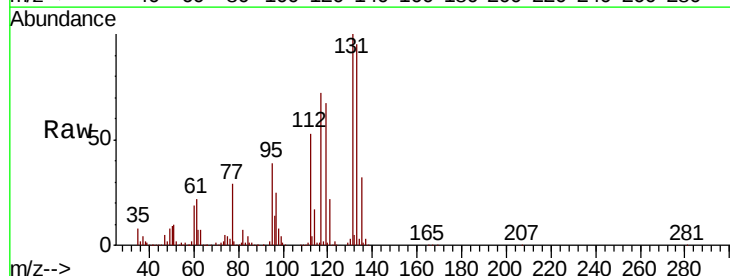
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

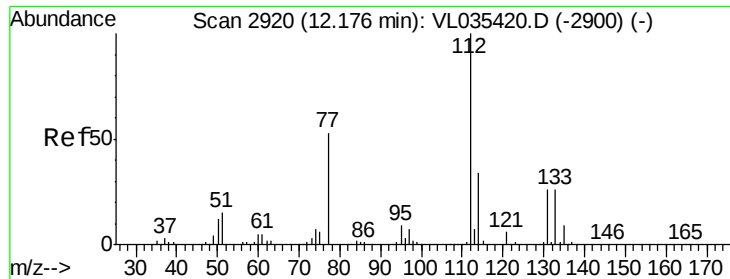
Tot Ion:117 Resp: 6433061
Ion Ratio Lower Upper
117 100
82 42.3 57.4 86.0#
119 28.4 28.4 42.6



#56
1,1,1,2-Tetrachloroethane
Concen: 7.780 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion:131 Resp: 2374113
Ion Ratio Lower Upper
131 100
133 96.0 76.1 114.1
119 59.2 50.7 76.1

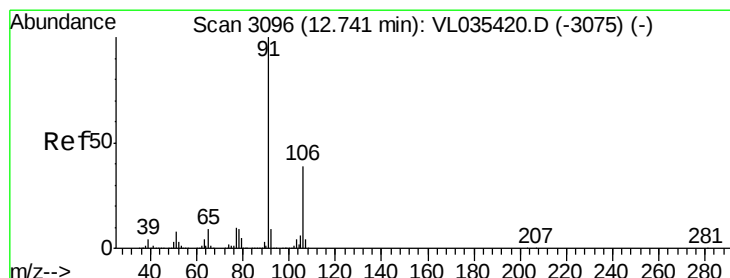
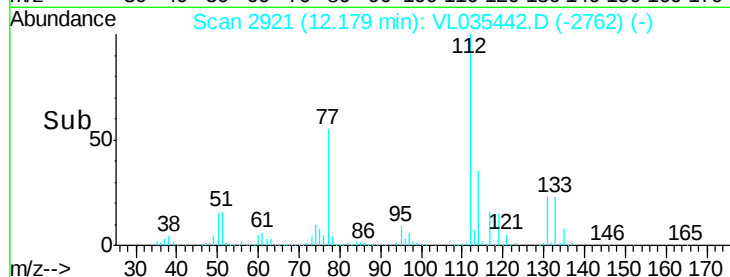
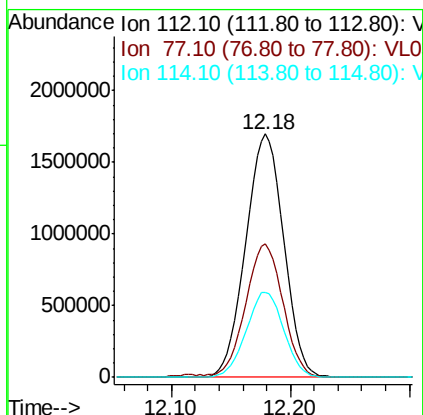
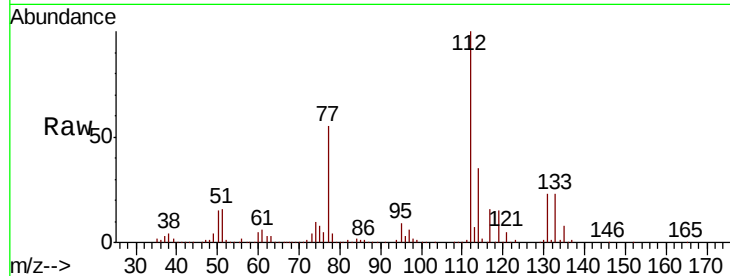




#57
Chlorobenzene
Concen: 6.991 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

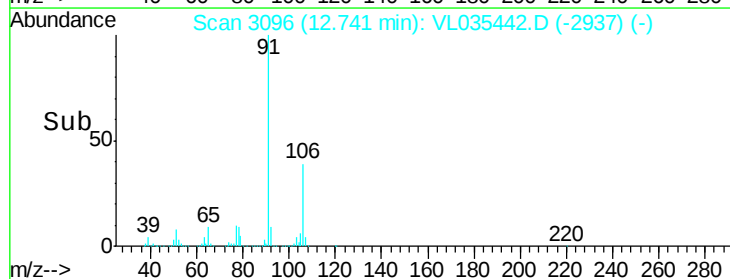
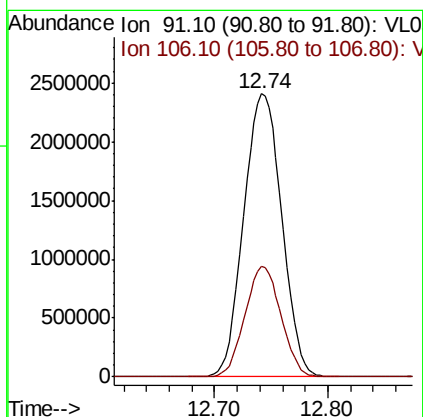
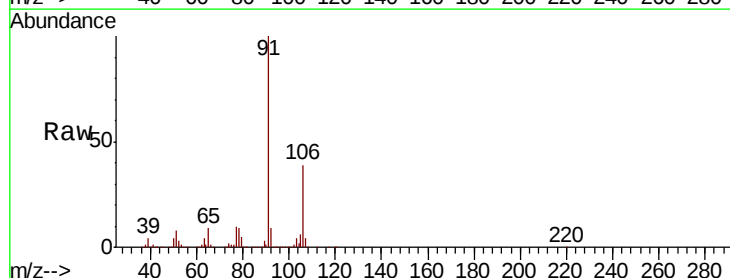
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

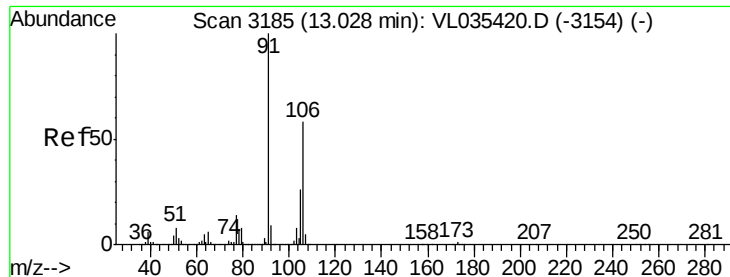
Tot Ion:112 Resp: 3753972
Ion Ratio Lower Upper
112 100
77 54.6 60.6 91.0#
114 34.6 28.5 34.9



#58
Ethyl Benzene
Concen: 7.236 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 91 Resp: 5619441
Ion Ratio Lower Upper
91 100
106 39.0 24.1 36.1#





#59

m/p-Xylene

Concen: 8.162 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

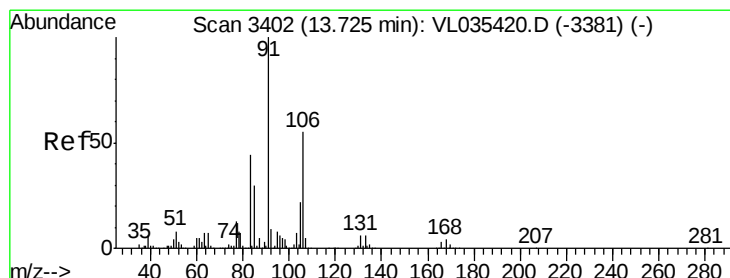
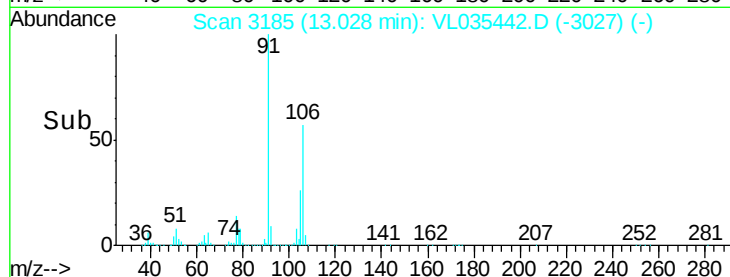
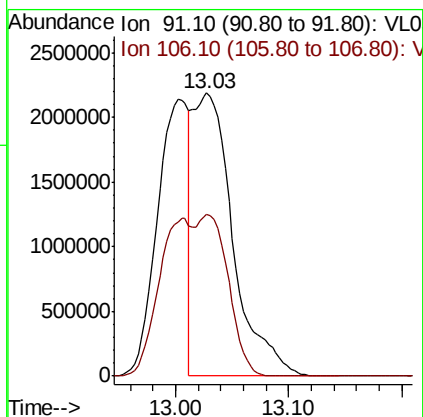
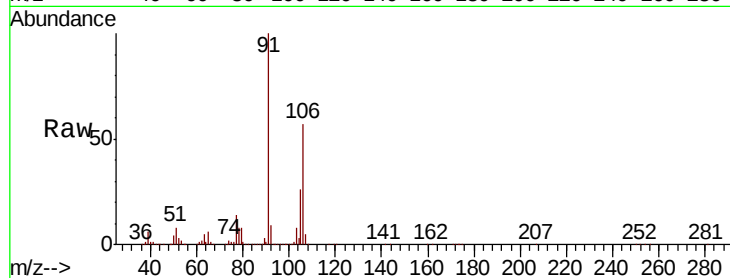
VSTDCCC010EC

Tot Ion: 91 Resp: 5358215

Ion Ratio Lower Upper

91 100

106 92.8 34.0 51.0#



#60

o-Xylene

Concen: 7.264 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL035442.D

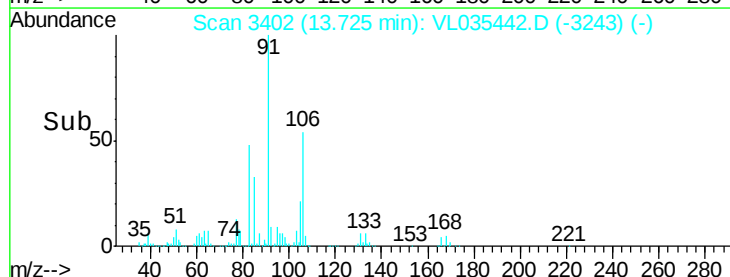
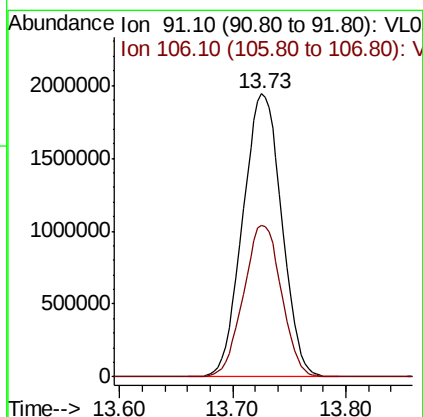
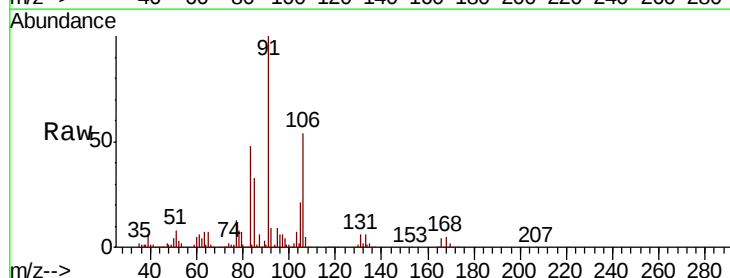
Acq: 18 Aug 2020 12:41

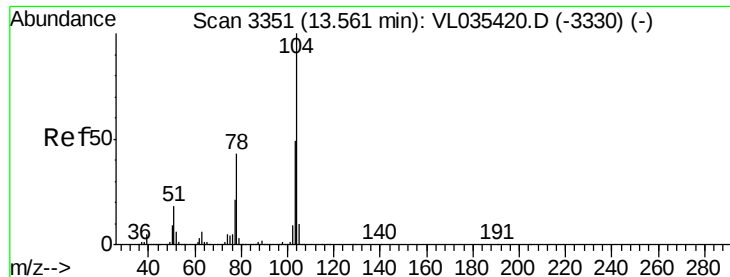
Tgt Ion: 91 Resp: 4634337

Ion Ratio Lower Upper

91 100

106 52.5 21.8 65.3





#61

Stvrene

Concen: 7.615 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

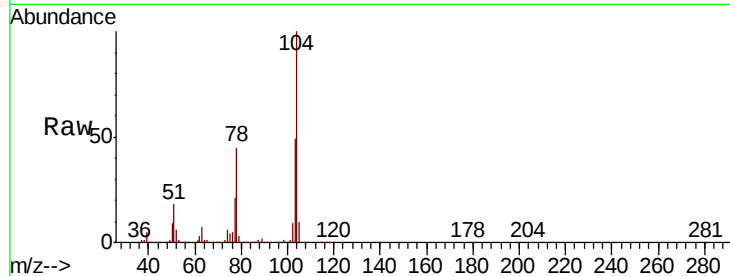
Tot Ion:104 Resp: 3925590

Ion Ratio Lower Upper

104 100

78 43.4 45.4 68.2#

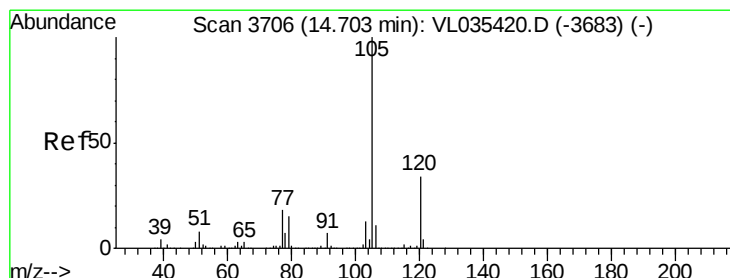
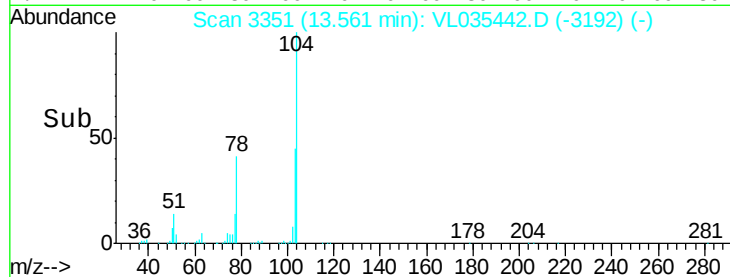
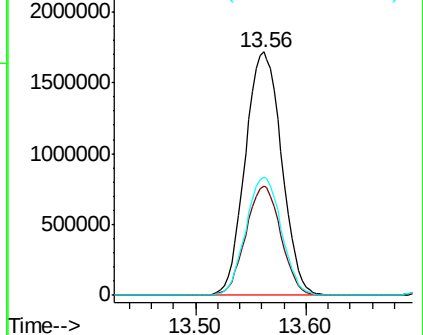
103 47.7 37.8 56.8



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: 6.932 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035442.D

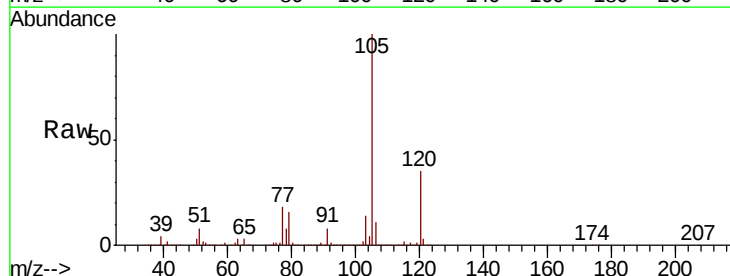
Acq: 18 Aug 2020 12:41

Tgt Ion:105 Resp: 7248670

Ion Ratio Lower Upper

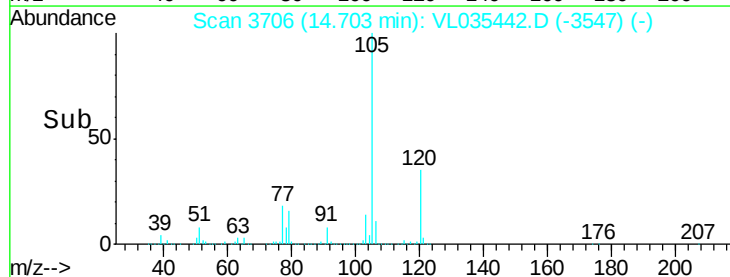
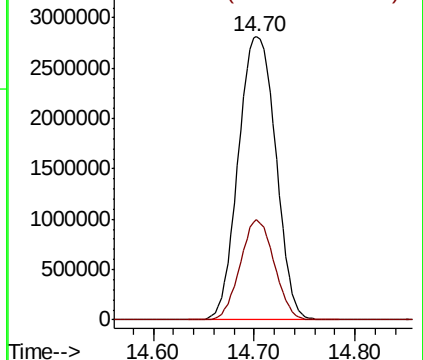
105 100

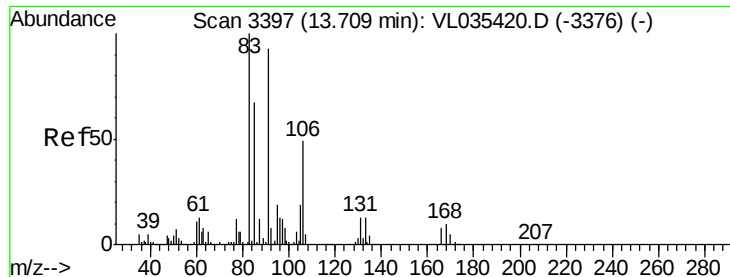
120 32.1 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

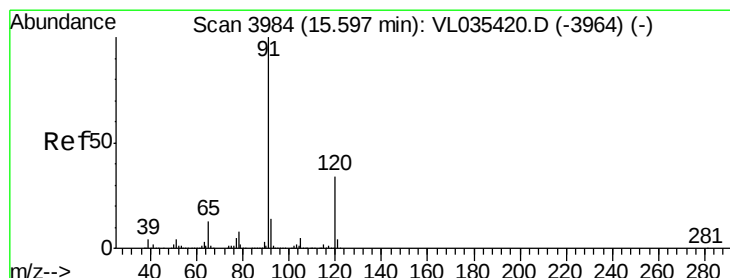
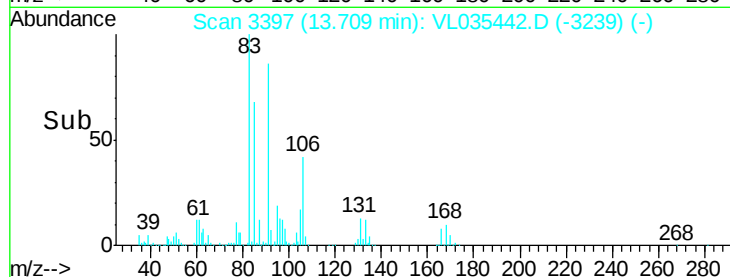
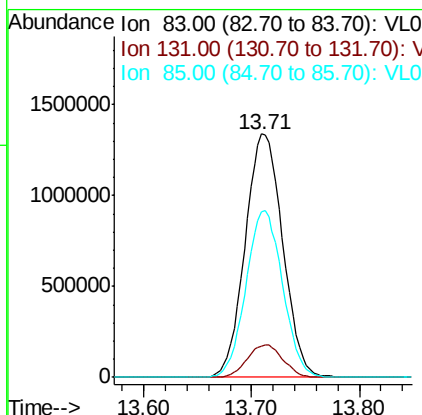
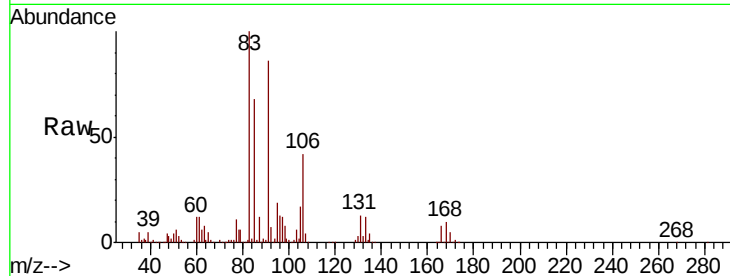




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.059 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

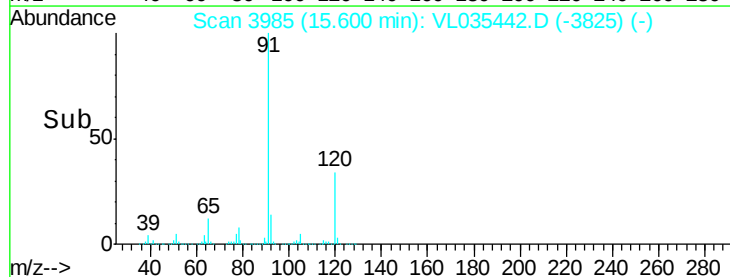
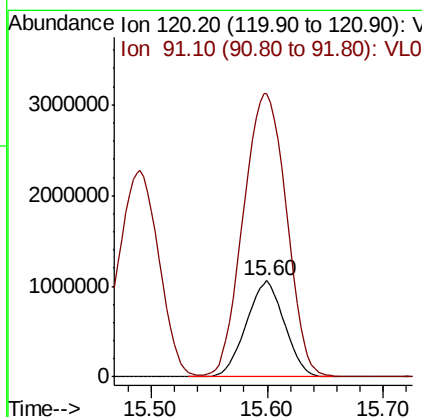
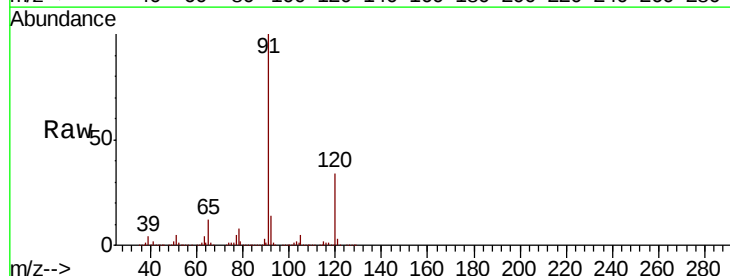
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

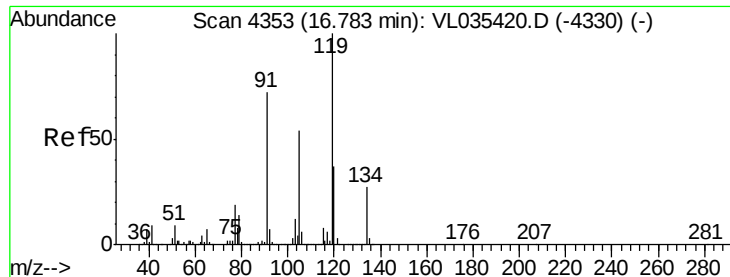
Tot Ion: 83 Resp: 3235298
 Ion Ratio Lower Upper
 83 100
 131 12.9 4.5 13.4
 85 67.1 32.7 98.1



#64
 n-propylbenzene
 Concen: 7.531 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion:120 Resp: 2427455
 Ion Ratio Lower Upper
 120 100
 91 333.7 385.5 578.3#





#65

tert-Butylbenzene

Concen: 7.017 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

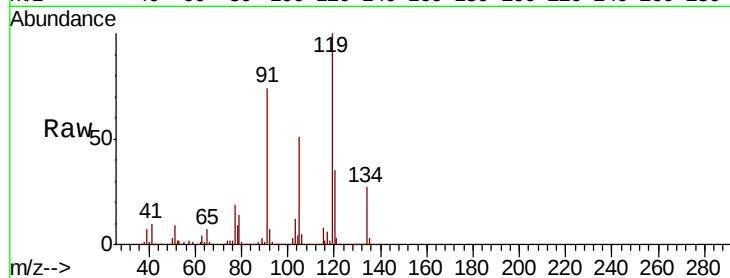
Tot Ion:119 Resp: 7129850

Ion Ratio Lower Upper

119 100

91 71.8 72.0 108.0#

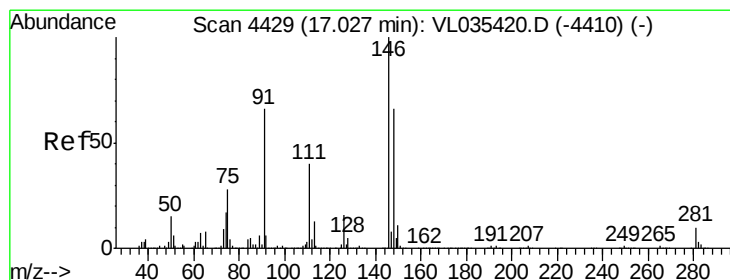
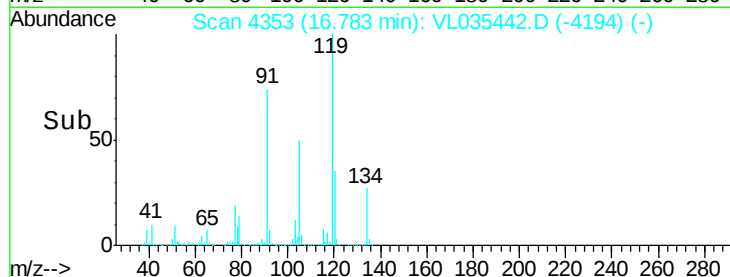
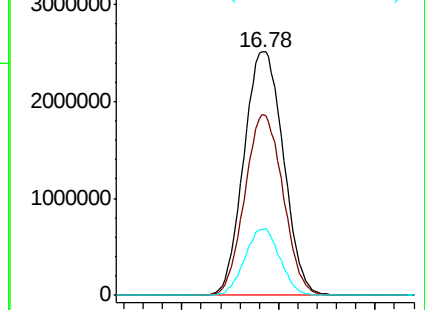
134 24.3 15.7 23.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.682 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

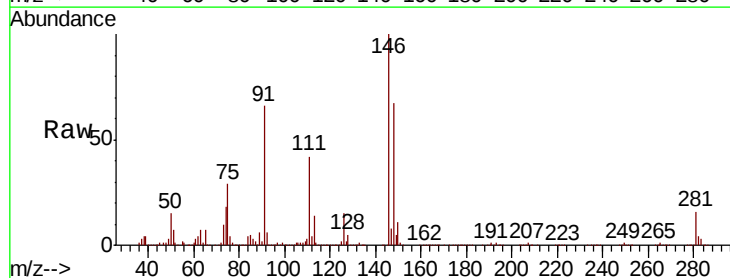
Tgt Ion: 91 Resp: 2366484

Ion Ratio Lower Upper

91 100

126 22.0 13.3 19.9#

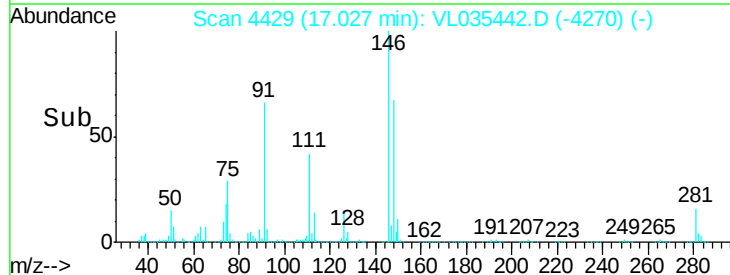
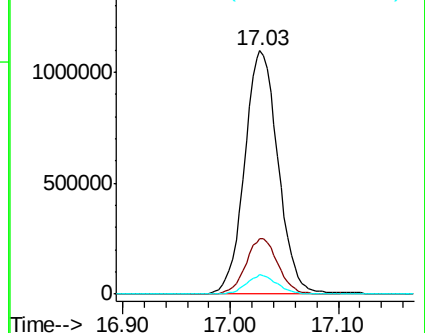
128 7.2 4.1 6.1#

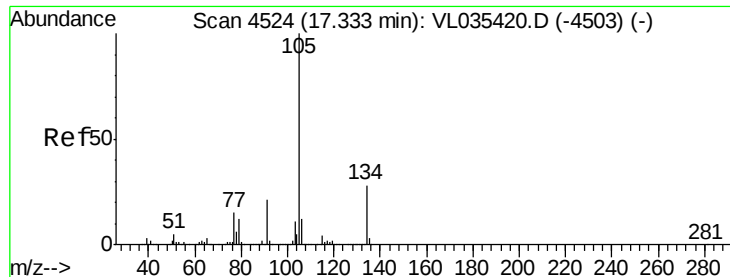


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.747 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

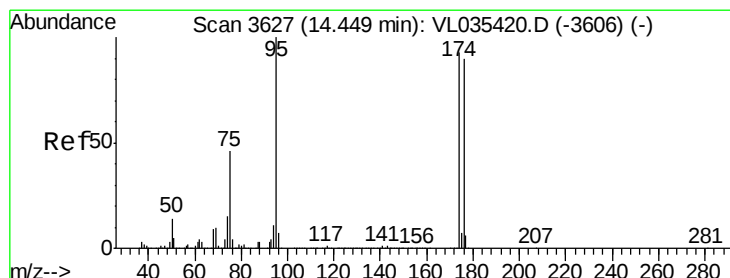
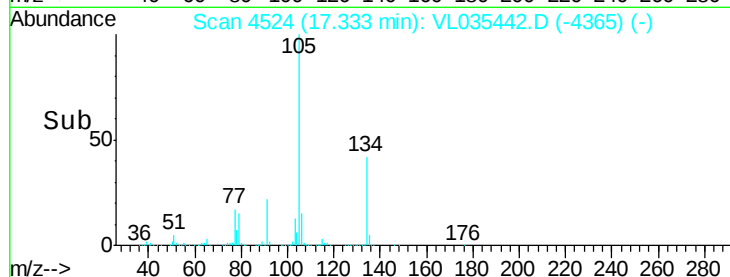
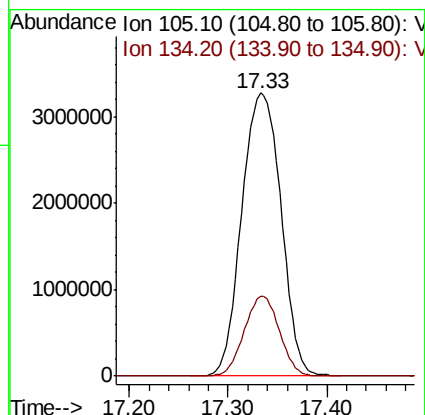
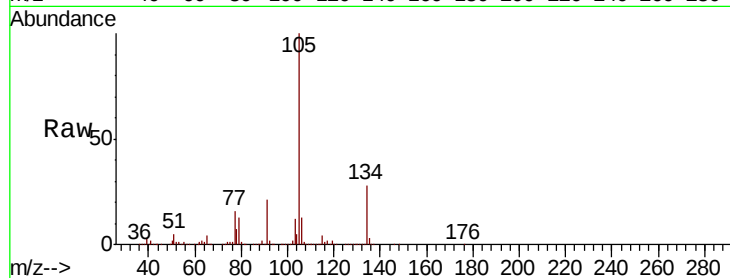
VSTDCCC010EC

Tot Ion:105 Resp: 9023459

Ion Ratio Lower Upper

105 100

134 25.4 14.1 21.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 8.082 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

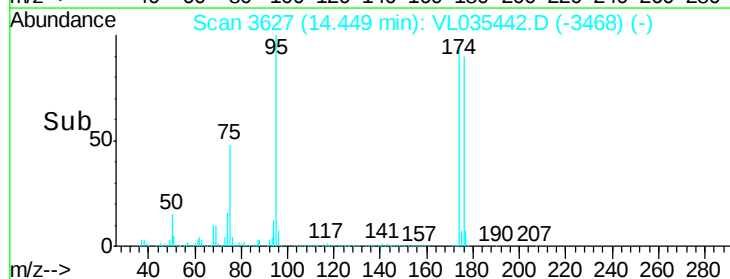
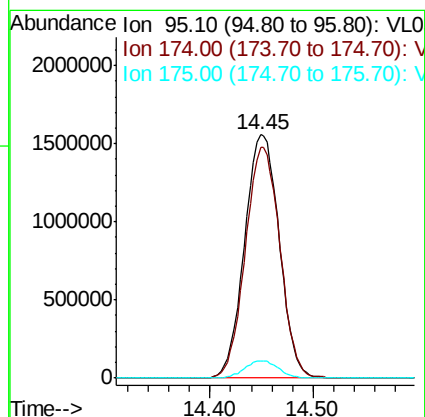
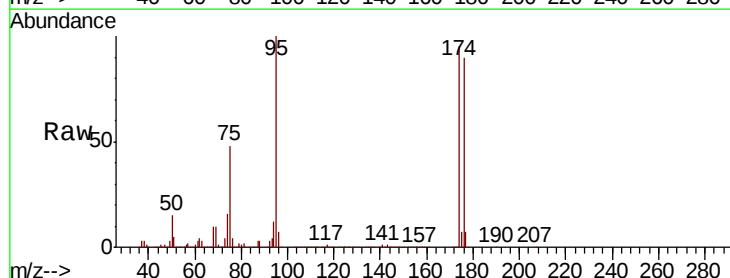
Tgt Ion: 95 Resp: 3639932

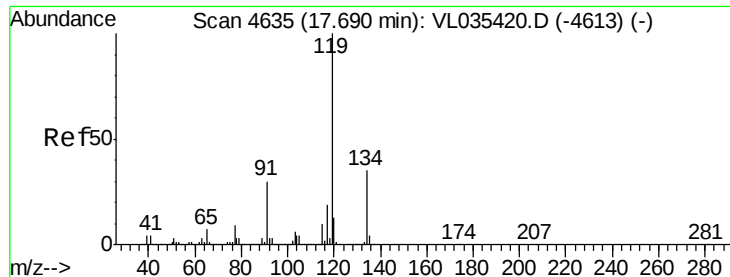
Ion Ratio Lower Upper

95 100

174 94.7 44.0 66.0#

175 7.0 3.2 4.8#

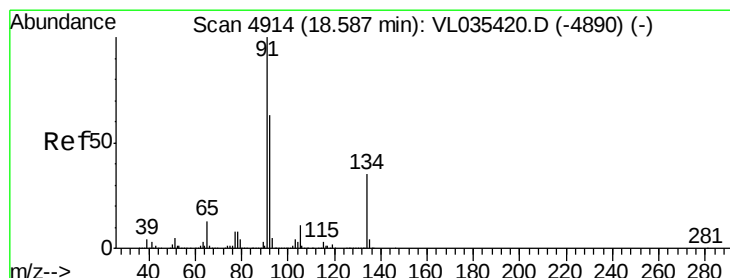
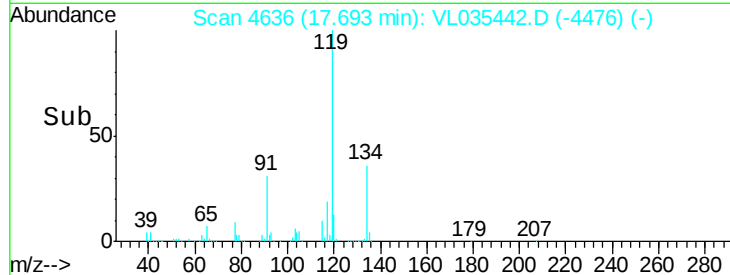
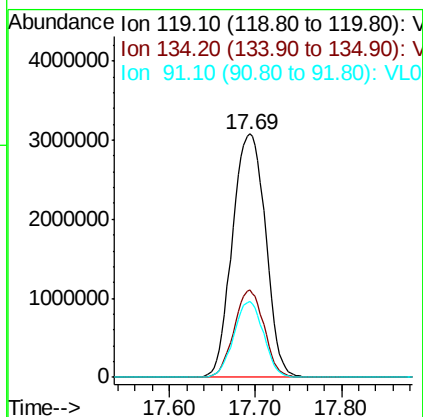
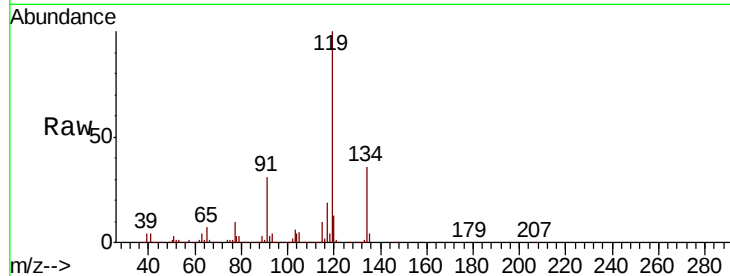




#69
 p-Isopropyltoluene
 Concen: 6.958 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

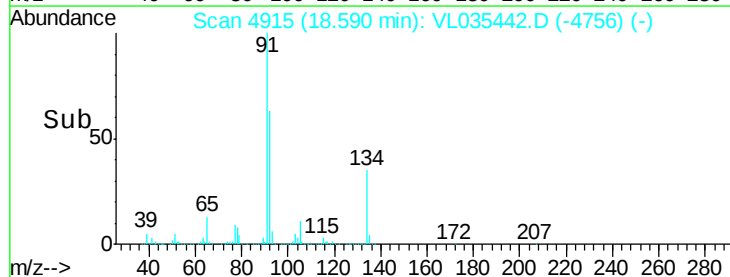
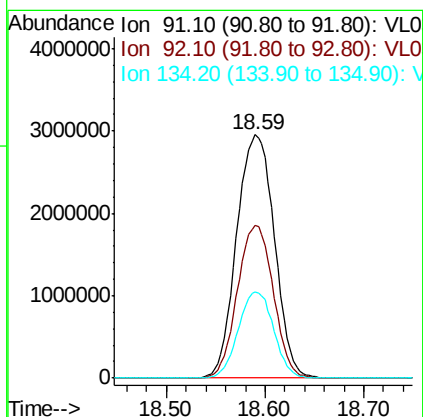
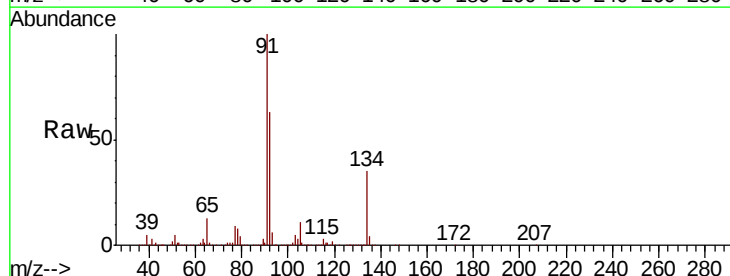
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

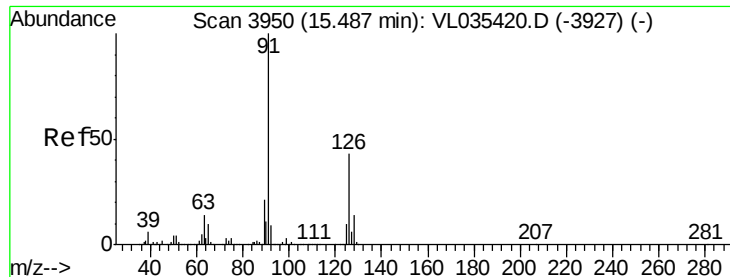
Tot Ion:119 Resp: 8256709
 Ion Ratio Lower Upper
 119 100
 134 32.4 20.6 30.8#
 91 28.0 26.6 39.8



#70
 n-Butylbenzene
 Concen: 6.984 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion: 91 Resp: 7827781
 Ion Ratio Lower Upper
 91 100
 92 59.8 44.8 67.2
 134 33.2 17.3 25.9#





#71

2-Chlorotoluene

Concen: 7.271 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

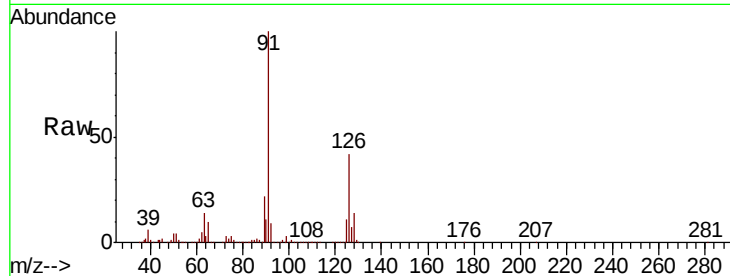
VSTDCCC010EC

Tot Ion: 91 Resp: 5516897

Ion Ratio Lower Upper

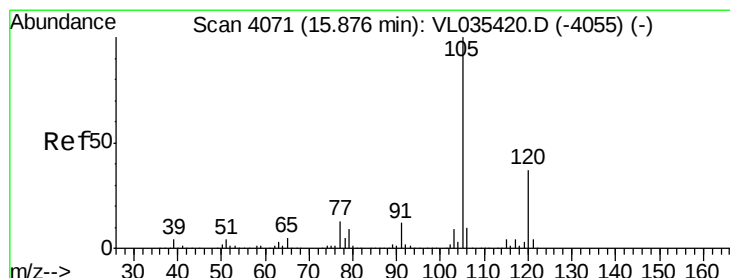
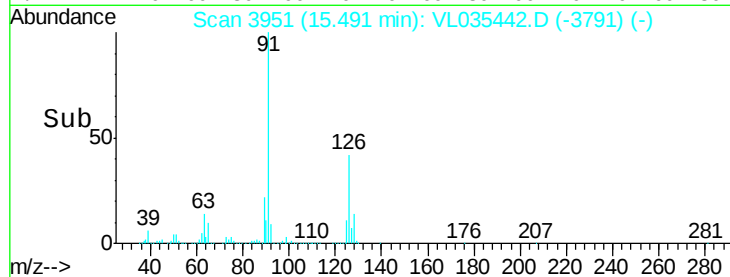
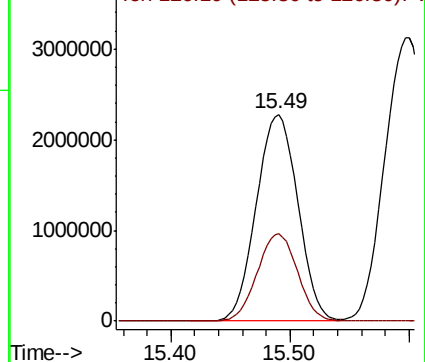
91 100

126 40.8 11.4 45.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.327 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion:105 Resp: 6134996

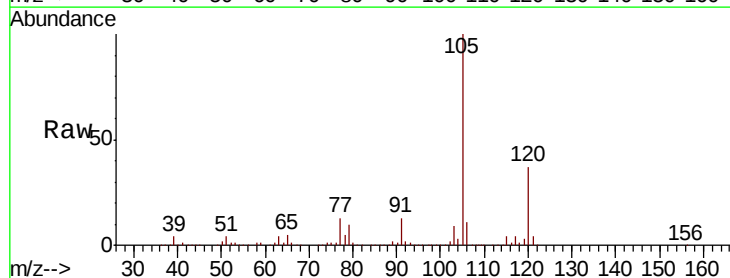
Ion Ratio Lower Upper

105 100

120 35.3 22.7 34.1#

91 12.1 10.8 16.2

77 12.3 11.9 17.9

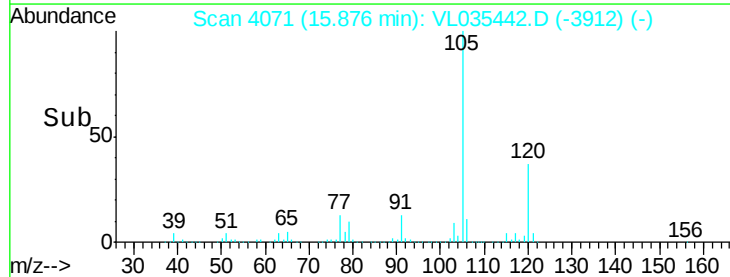
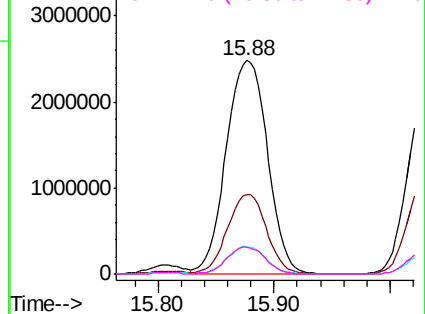


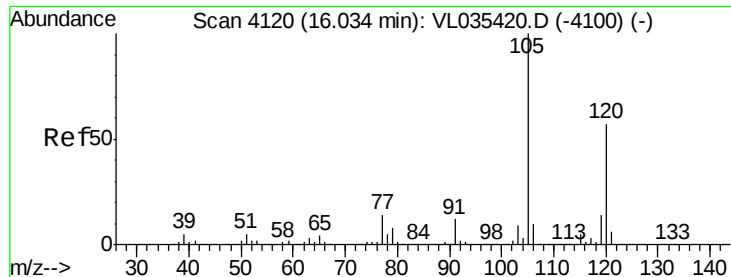
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.343 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

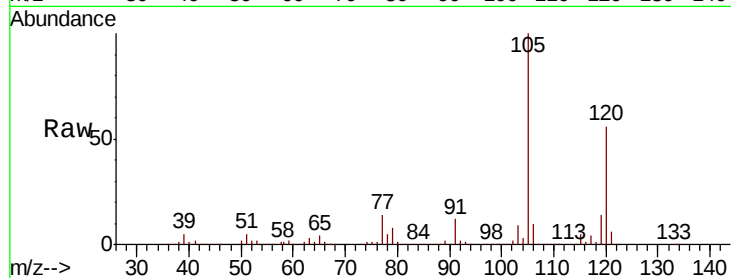
VSTDCCC010EC

Tot Ion:105 Resp: 5720443

Ion Ratio Lower Upper

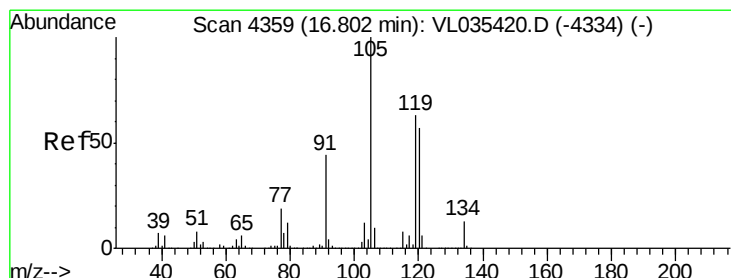
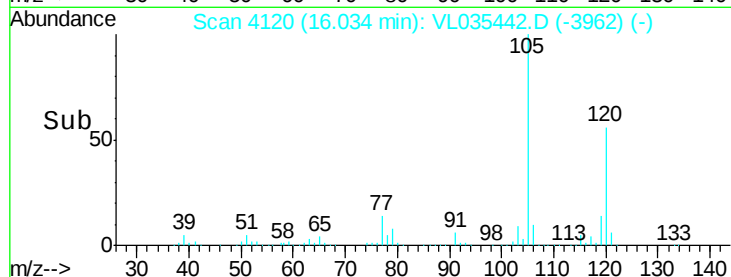
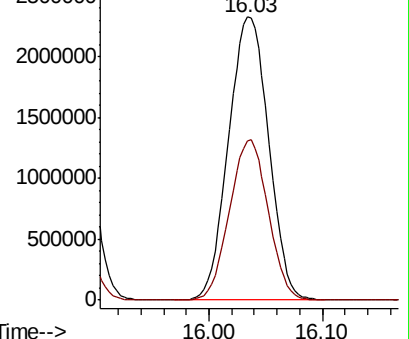
105 100

120 56.2 35.6 53.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.022 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion:105 Resp: 5944134

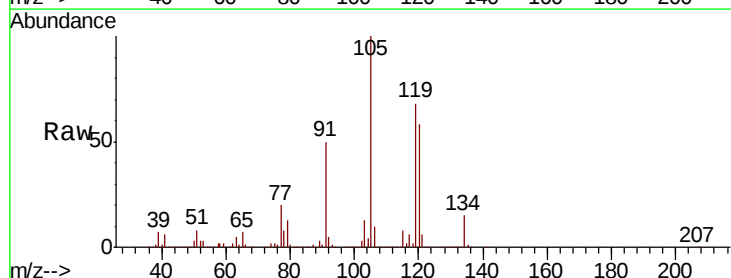
Ion Ratio Lower Upper

105 100

120 58.0 37.8 56.8#

91 49.9 40.0 60.0

77 20.3 18.8 28.2

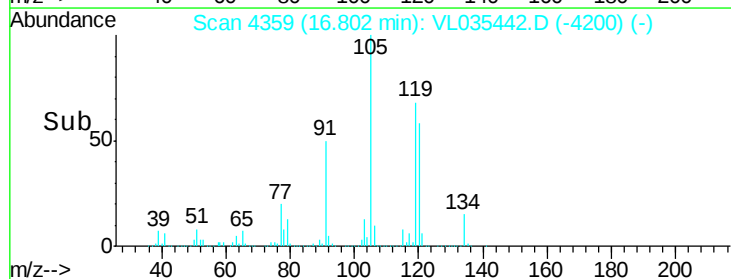
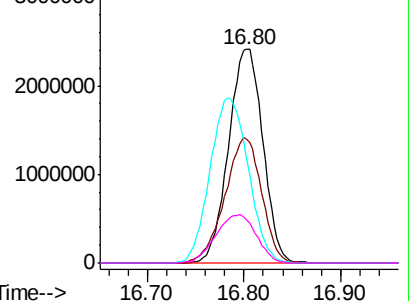


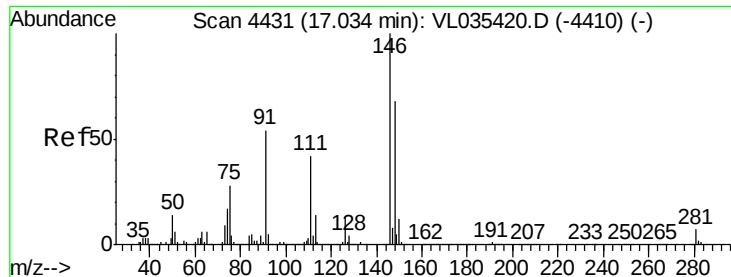
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.101 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

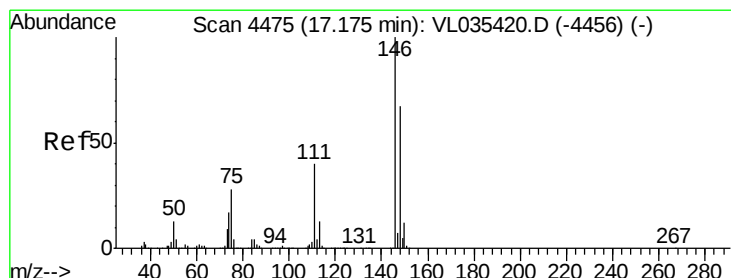
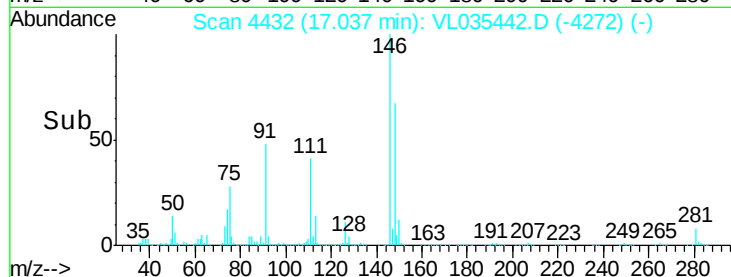
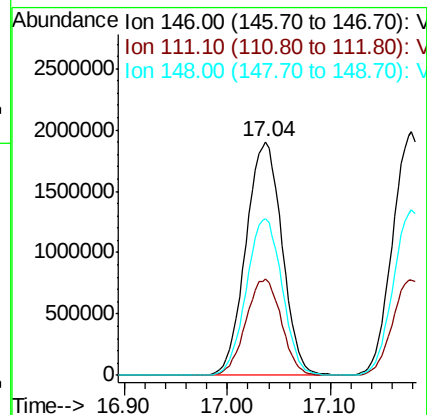
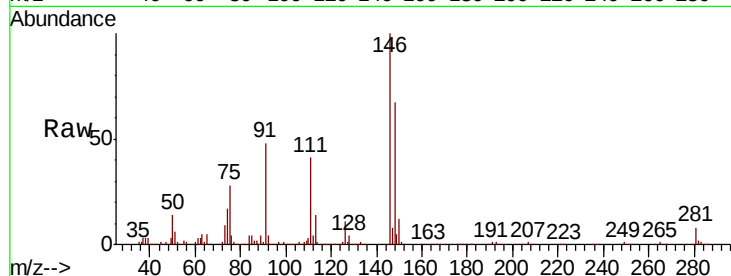
Tot Ion:146 Resp: 4642934

Ion Ratio Lower Upper

146 100

111 40.3 25.6 76.8

148 66.4 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 7.350 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

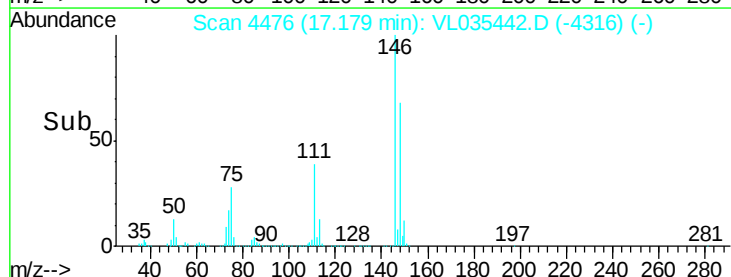
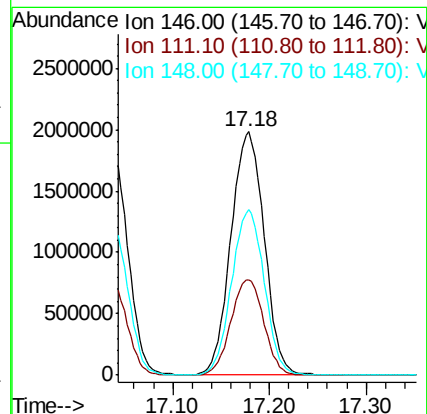
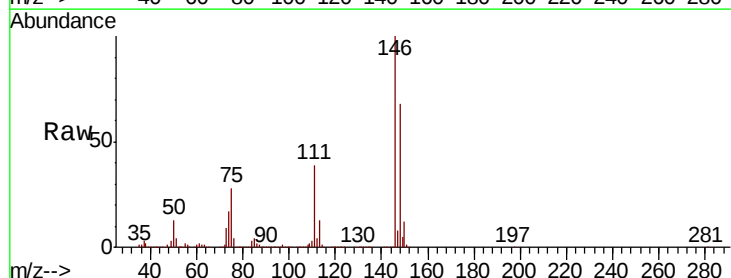
Tgt Ion:146 Resp: 4735598

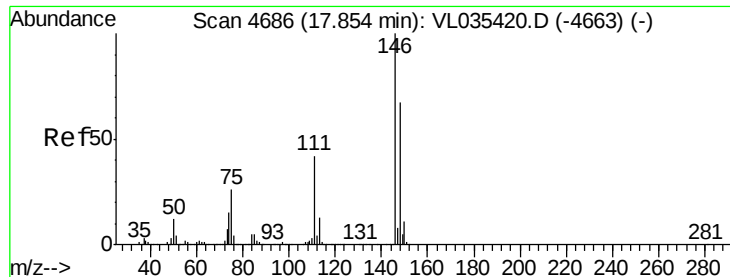
Ion Ratio Lower Upper

146 100

111 38.8 24.8 74.4

148 67.0 32.1 96.3

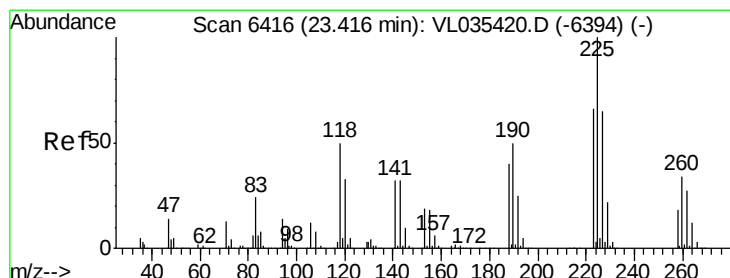
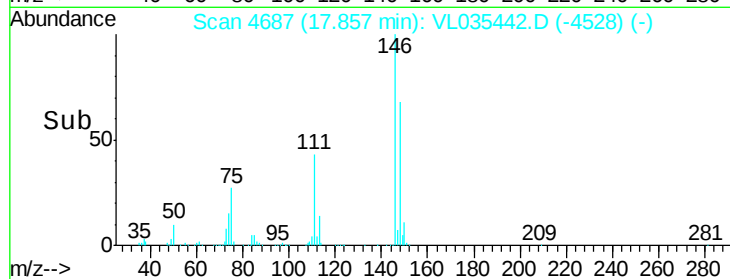
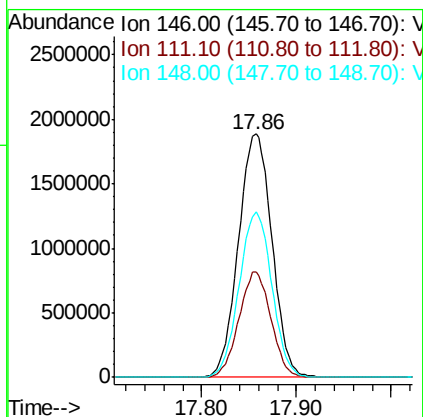
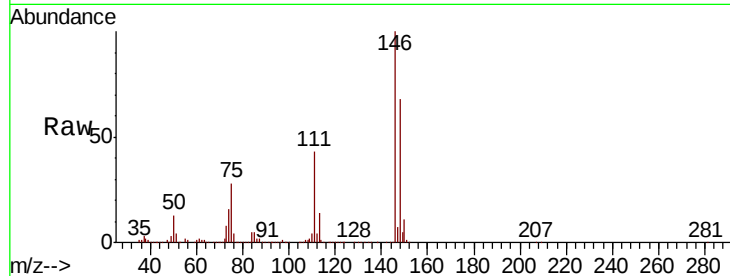




#77
 1,2-Dichlorobenzene
 Concen: 7.261 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

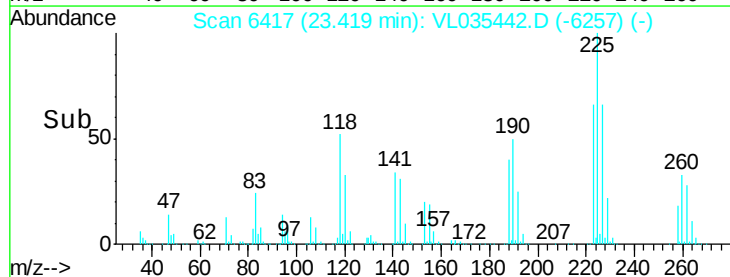
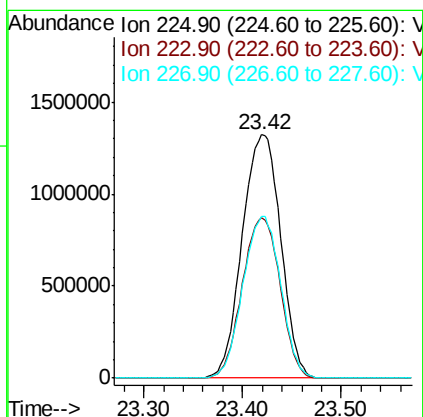
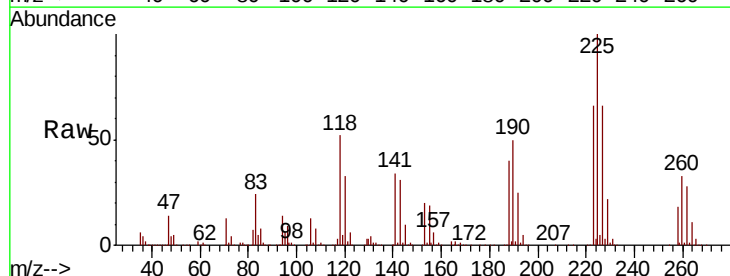
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

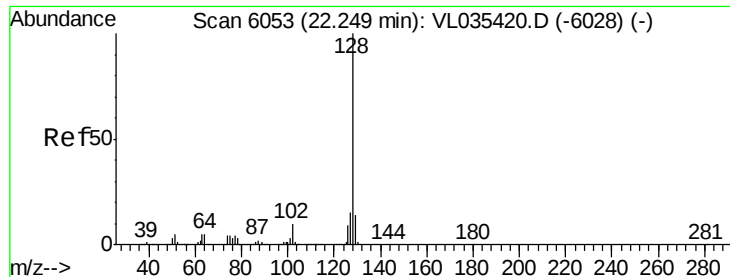
Tot Ion:146 Resp: 4649920
 Ion Ratio Lower Upper
 146 100
 111 41.4 26.3 78.9
 148 66.4 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.042 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion:225 Resp: 3565517
 Ion Ratio Lower Upper
 225 100
 223 65.0 50.3 75.5
 227 65.0 51.0 76.6





#79

Naphthalene

Concen: 7.148 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

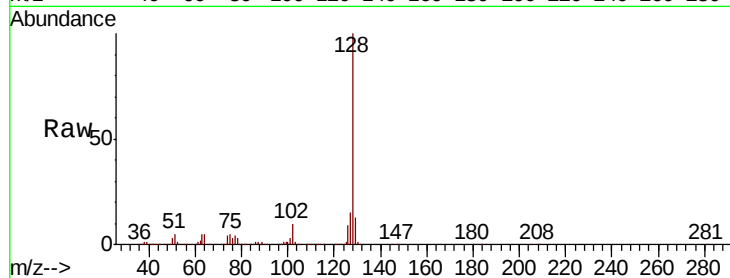
Tot Ion:128 Resp: 8520825

Ion Ratio Lower Upper

128 100

127 15.3 11.4 17.0

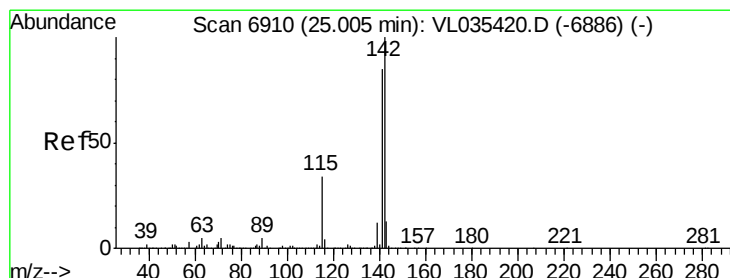
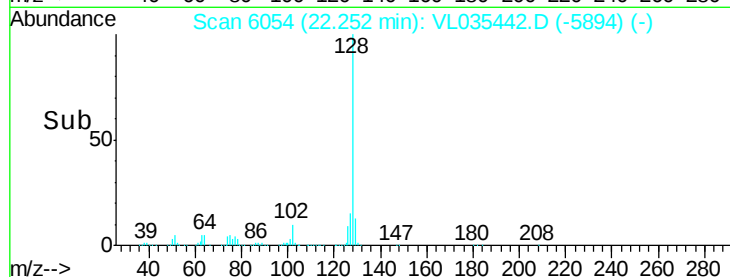
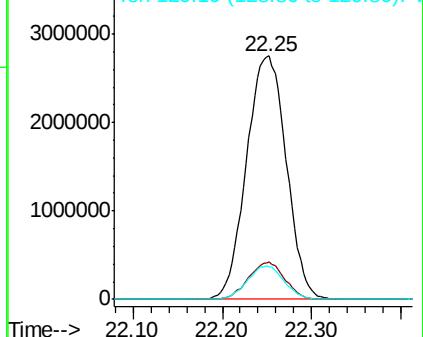
129 13.3 9.5 14.3



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: 8.378 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

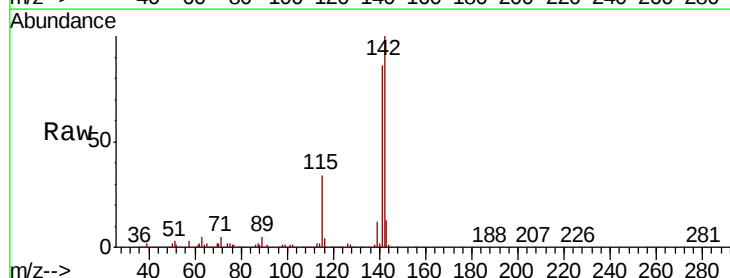
Tgt Ion:142 Resp: 4127400

Ion Ratio Lower Upper

142 100

141 84.5 67.1 100.7

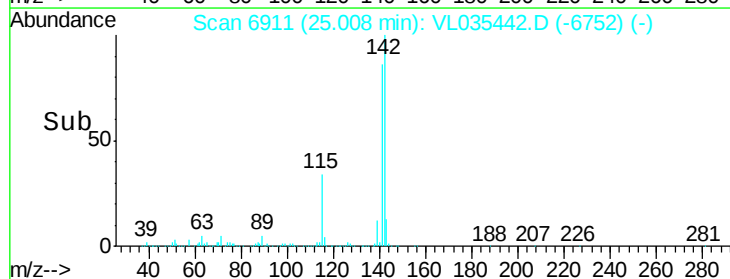
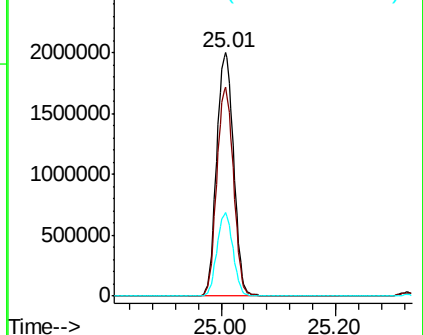
115 32.5 36.1 54.1#

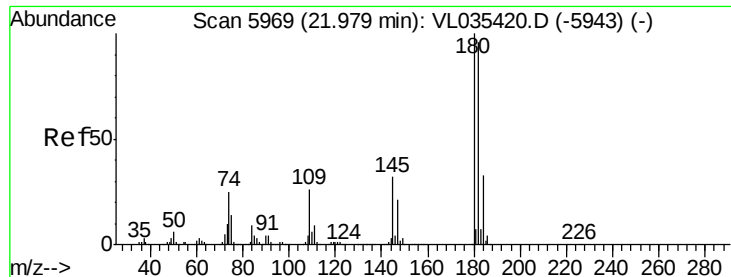


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.315 ppbv

RT: 21.98 min Scan# 5969

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

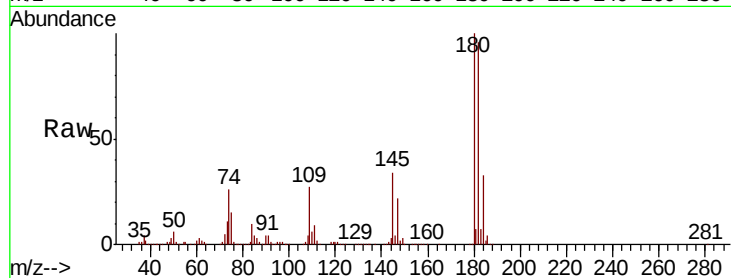
Tot Ion:180 Resp: 5256660

Ion Ratio Lower Upper

180 100

182 95.7 76.6 115.0

184 32.4 24.8 37.2



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

