

Data File : VL035420.D
Acq On : 17 Aug 2020 14:10
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Aug 17 16:05:47 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 09:05:17 2020
QLast Update : Mon Aug 17 09:05:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1092045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	5098776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	6496455	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3698153	6.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	67.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1715517	11.831	ppbv	98
3) Chlorodifluoromethane	2.99	51	1215881	8.688	ppbv	92
4) Chloromethane	3.14	50	644882	8.748	ppbv	95
5) Vinyl Chloride	3.26	62	770583	10.290	ppbv	95
6) Bromomethane	3.47	94	686449	16.712	ppbv	96
7) Chloroethane	3.56	64	286016	11.512	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2255724	13.645	ppbv #	56
9) Propene	3.01	41	482719	7.270	ppbv	99
10) Heptane	8.14	43	1306855	7.786	ppbv #	79
11) Trichlorofluoromethane	3.95	101	2785633	16.005	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2109733	18.615	ppbv #	77
13) Ethanol	3.61	45	128980	6.083	ppbv	100
14) Bromoethene	3.74	108	970325	19.512	ppbv #	95
15) Acetone	3.85	43	997005	6.938	ppbv #	81
16) 1,3-Butadiene	3.33	39	464857	7.062	ppbv #	65
17) tert-Butyl alcohol	4.30	59	1540827	11.297	ppbv	99
18) 1,1-Dichloroethene	4.29	96	972610	19.098	ppbv #	60
19) Isopropyl Alcohol	3.98	45	800400	7.898	ppbv #	98
20) Methylene Chloride	4.35	84	799081	14.990	ppbv #	65
21) Allyl Chloride	4.42	41	613997	7.312	ppbv #	82
22) trans-1,2-Dichloroethene	4.89	96	1027289	20.250	ppbv #	63
23) Vinyl Acetate	5.08	43	1717397	8.153	ppbv #	94
24) 1,1-Dichloroethane	5.02	63	1605551	10.692	ppbv #	93
25) Ethyl Acetate	5.69	43	2125068	7.384	ppbv #	93
26) Hexane	5.70	57	1206384	9.648	ppbv #	75
27) Carbon Disulfide	4.56	76	2003527	16.457	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	2315854	12.002	ppbv	92
29) Chloroform	5.77	83	2476403	12.896	ppbv	98
30) Cyclohexane	7.15	84	1428977	14.394	ppbv #	60
31) cis-1,2-Dichloroethene	5.56	61	1327874	10.426	ppbv #	62
32) 1,1,1-Trichloroethane	6.53	97	2534162	13.237	ppbv #	89
34) 2-Butanone	5.26	43	1501738	3.819	ppbv #	74
35) Carbon Tetrachloride	7.04	117	2712552	7.161	ppbv	97
36) Benzene	6.91	78	3260723	6.301	ppbv #	93
37) 1,2-Dichloroethane	6.32	62	1498398	4.695	ppbv #	89
38) Trichloroethene	7.85	130	1811204	9.053	ppbv #	83
39) 1,2-Dichloropropane	7.64	63	1086545	5.210	ppbv #	83
40) 1,4-Dioxane	7.85	88	599272	7.428	ppbv #	20
41) Tetrahydrofuran	6.06	42	866068	3.917	ppbv #	62
42) Bromodichloromethane	7.81	83	2660414	6.519	ppbv #	96
43) Methyl Methacrylate	8.03	69	1349199	5.991	ppbv #	58

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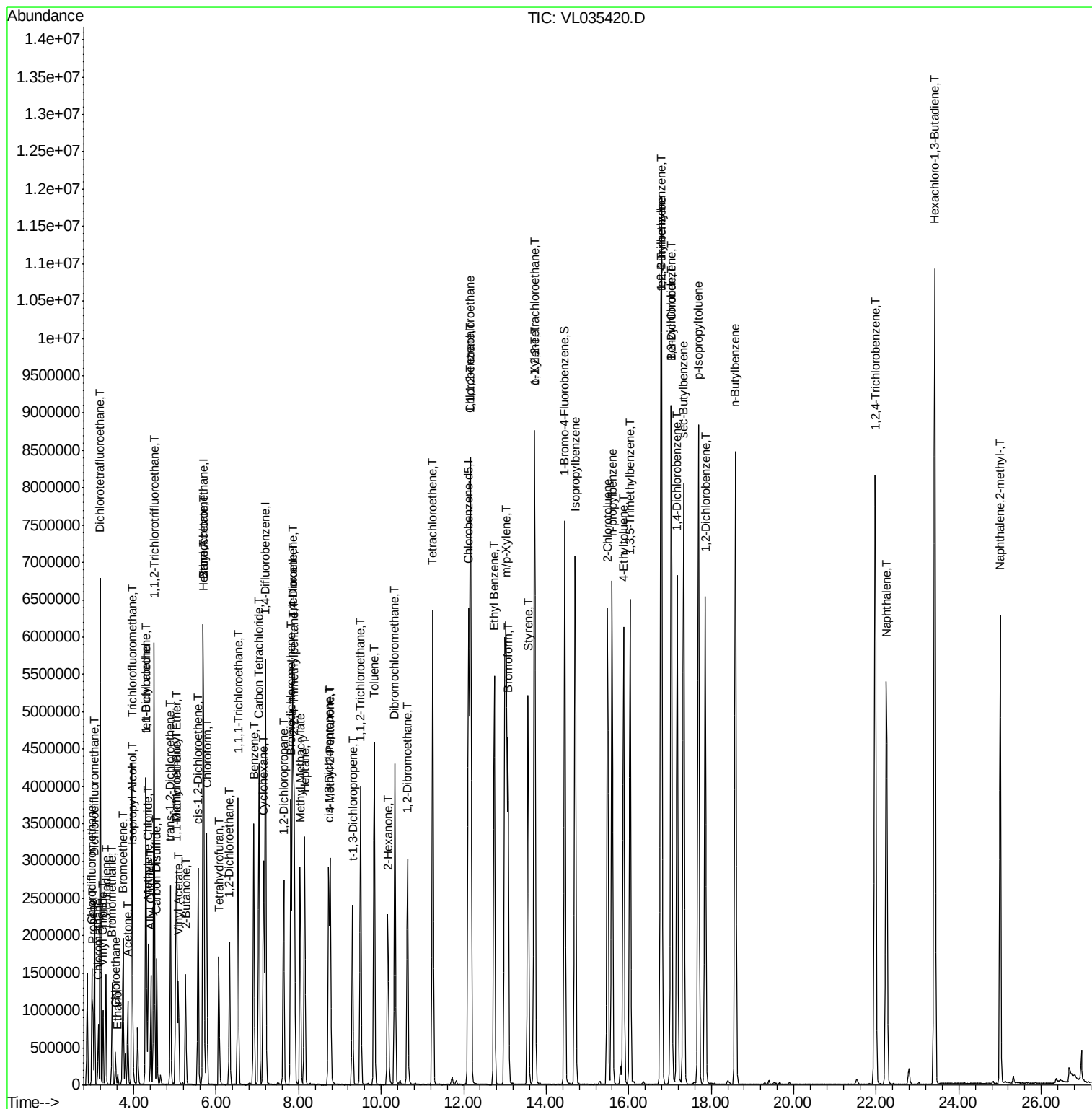
Quant Time: Aug 17 16:05:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 09:05:17 2020
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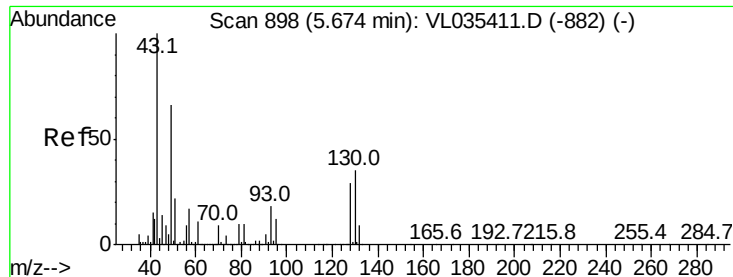
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4103901	4.537	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1574075	6.652	ppbv	96
46) cis-1,3-Dichloropropene	8.73	75	1855417	6.476	ppbv #	75
47) 1,1,2-Trichloroethane	9.50	97	1619694	7.724	ppbv	93
48) Dibromochloromethane	10.33	129	3006523	9.845	ppbv	99
49) Bromoform	13.07	173	3014697	12.557	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2185205	3.841	ppbv #	82
51) 2-Hexanone	10.16	43	1884259	3.902	ppbv #	77
52) Tetrachloroethene	11.25	164	1966963	10.686	ppbv #	84
53) Toluene	9.83	91	4206745	7.138	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2633100	8.136	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	2312198	7.233	ppbv	99
57) Chlorobenzene	12.18	112	3683920	6.279	ppbv #	80
58) Ethyl Benzene	12.74	91	5485078	5.100	ppbv #	84
59) m/p-Xylene	13.03	91	4607009	5.134	ppbv #	1
60) o-Xylene	13.73	91	4472531	5.065	ppbv	85
61) Styrene	13.56	104	3848174	6.381	ppbv #	89
62) Isopropylbenzene	14.70	105	7016744	5.385	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.71	83	3097589	4.521	ppbv	97
64) n-propylbenzene	15.60	120	2327422	7.045	ppbv #	46
65) tert-Butylbenzene	16.78	119	6842416	6.129	ppbv #	81
66) Benzyl Chloride	17.03	91	2390521	6.538	ppbv #	87
67) sec-Butylbenzene	17.33	105	8683690	5.267	ppbv #	83
69) p-Isopropyltoluene	17.69	119	7872709	5.865	ppbv #	88
70) n-Butylbenzene	18.59	91	7392881	4.711	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5315618	4.986	ppbv	77
72) 4-Ethyltoluene	15.88	105	5870645	5.674	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.03	105	5441923	5.572	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.80	105	5664695	5.416	ppbv #	89
75) 1,3-Dichlorobenzene	17.03	146	4392344	7.716	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	4443348	7.611	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	4359369	7.600	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3338344	7.578	ppbv	98
79) Naphthalene	22.25	128	8221225	6.734	ppbv	97
80) Naphthalene,2-methyl-	25.00	142	4064605	7.979	ppbv #	92
81) 1,2,4-Trichlorobenzene	21.98	180	4960539	8.572	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

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VSTDICCC010

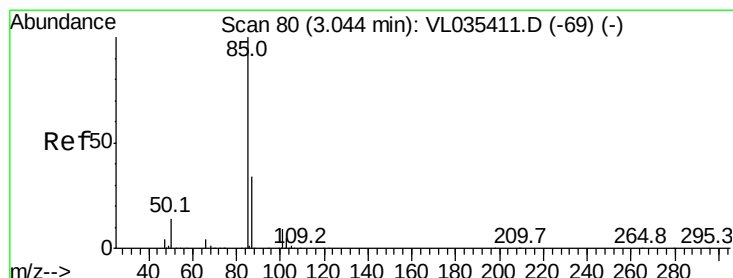
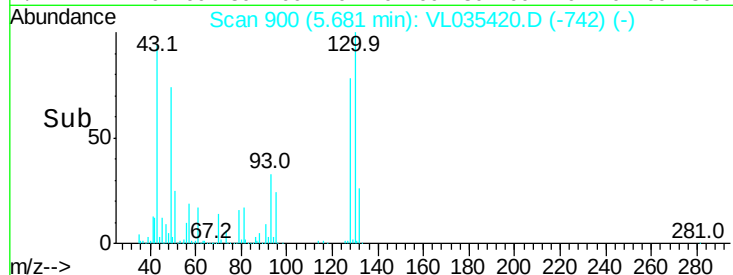
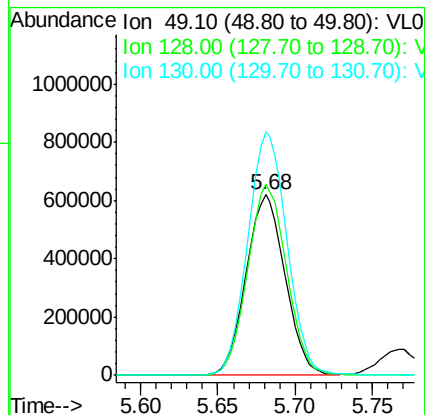
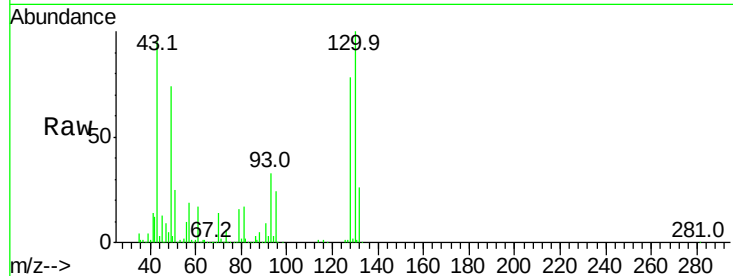
Tgt Ion: 49 Resp: 1092045

Ion Ratio Lower Upper

49 100

128 106.0 20.9 62.7#

130 135.9 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 11.831 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035420.D

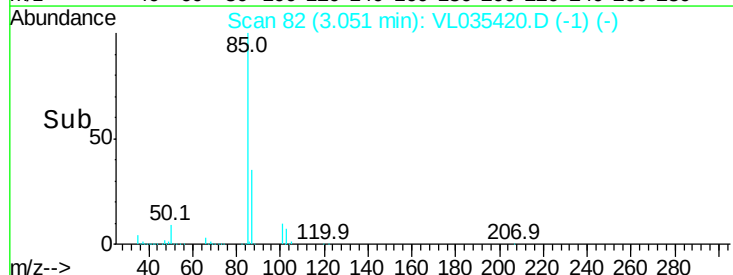
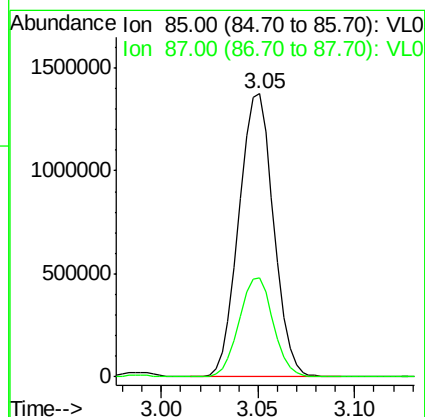
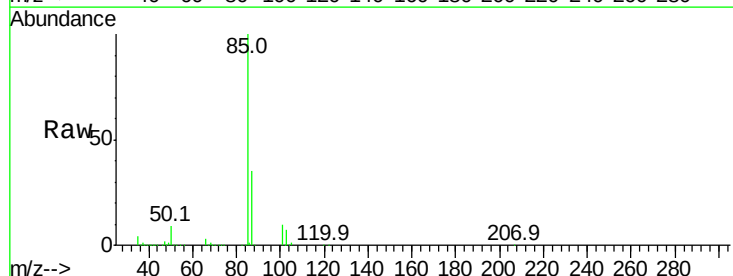
Acq: 17 Aug 2020 14:10

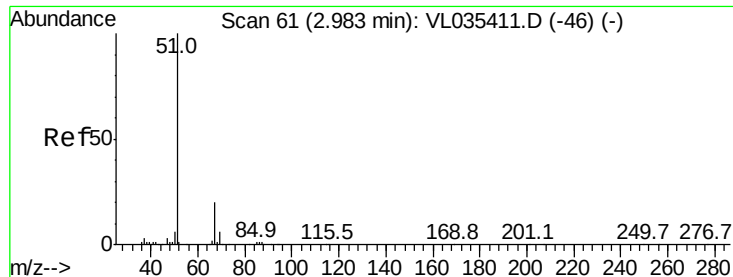
Tgt Ion: 85 Resp: 1715517

Ion Ratio Lower Upper

85 100

87 34.9 27.1 40.7





#3

Chlorodifluoromethane

Concen: 8.688 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

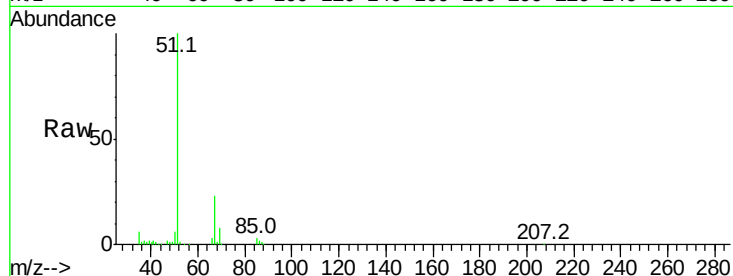
VSTDICCC010

Tgt Ion: 51 Resp: 1215881

Ion Ratio Lower Upper

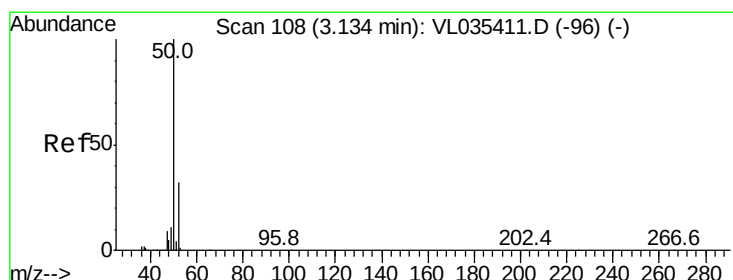
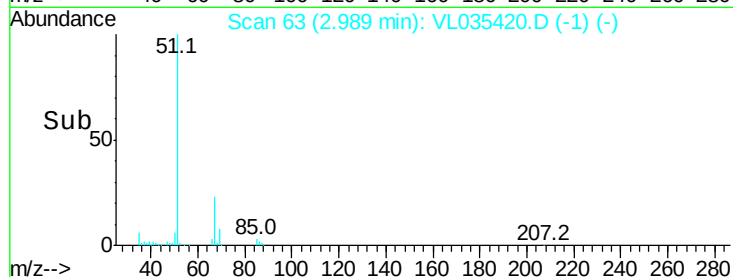
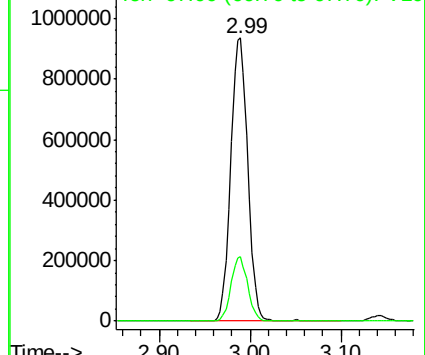
51 100

67 22.4 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.748 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035420.D

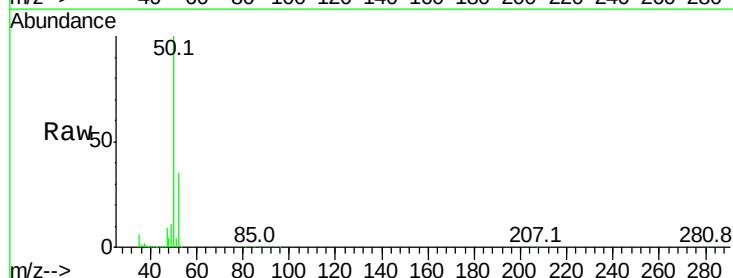
Acq: 17 Aug 2020 14:10

Tgt Ion: 50 Resp: 644882

Ion Ratio Lower Upper

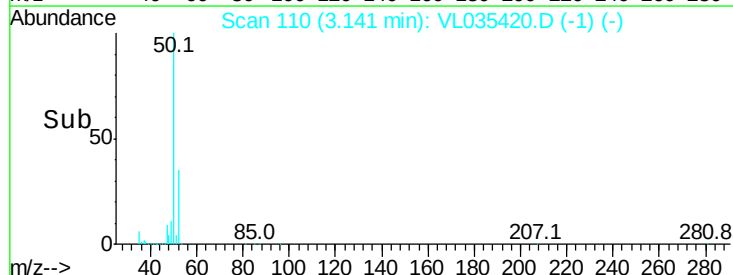
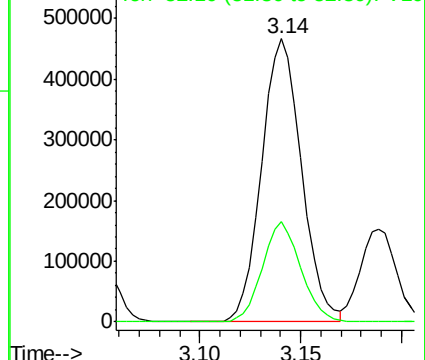
50 100

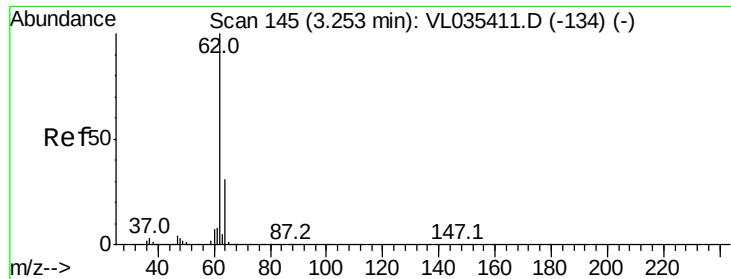
52 35.2 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.290 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

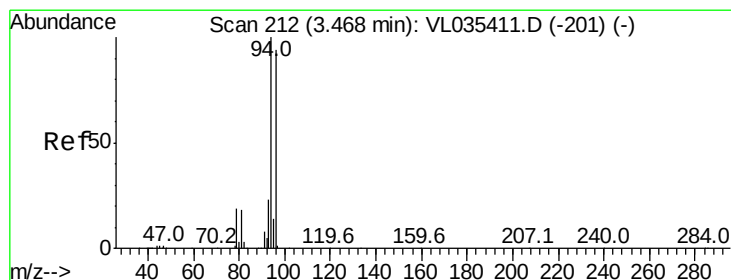
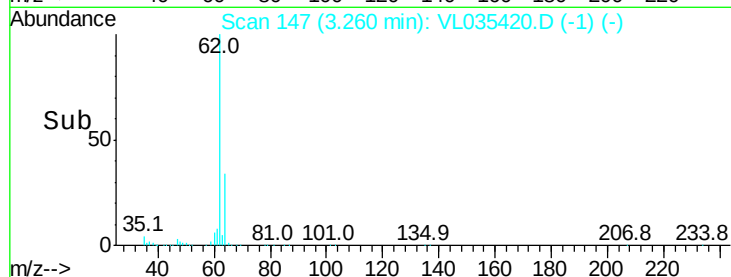
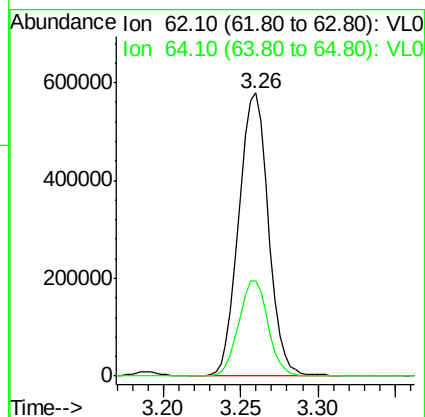
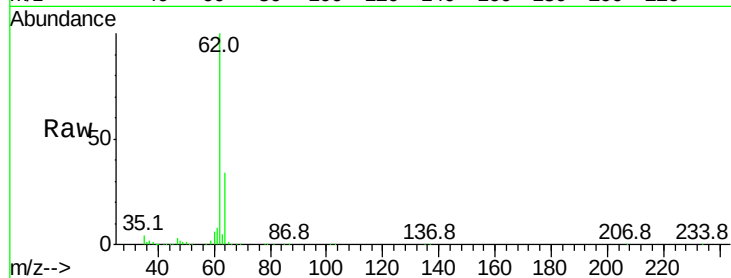
VSTDICCC010

Tgt Ion: 62 Resp: 770583

Ion Ratio Lower Upper

62 100

64 33.8 25.0 37.4



#6

Bromomethane

Concen: 16.712 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL035420.D

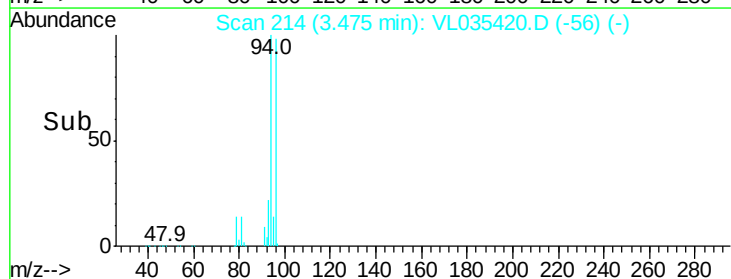
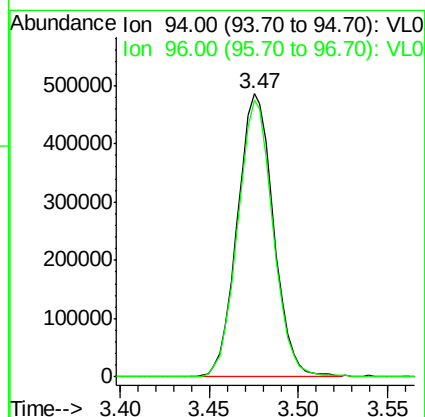
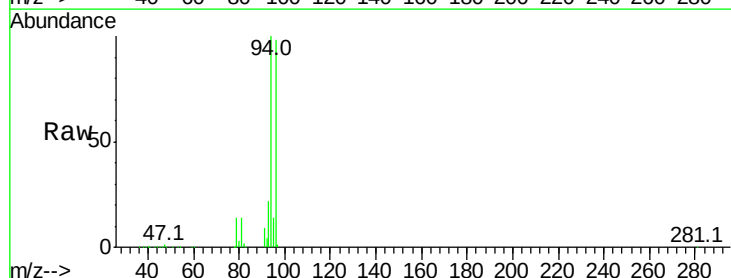
Acq: 17 Aug 2020 14:10

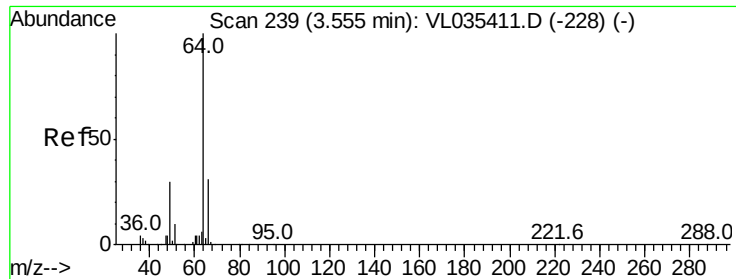
Tgt Ion: 94 Resp: 686449

Ion Ratio Lower Upper

94 100

96 97.8 75.0 112.6





#7

Chloroethane

Concen: 11.512 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

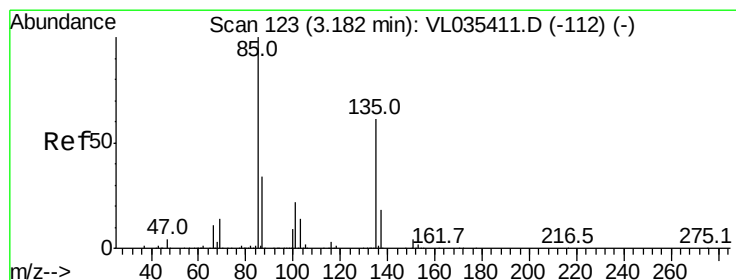
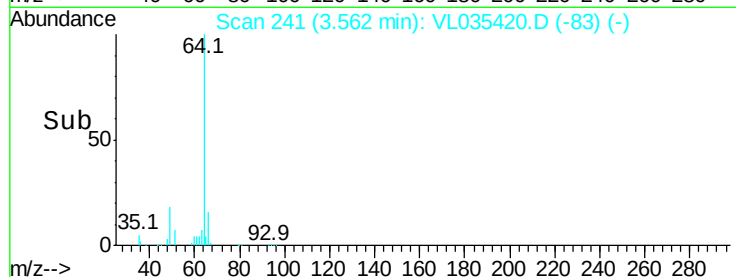
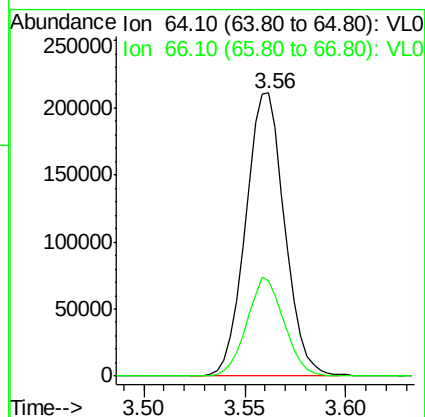
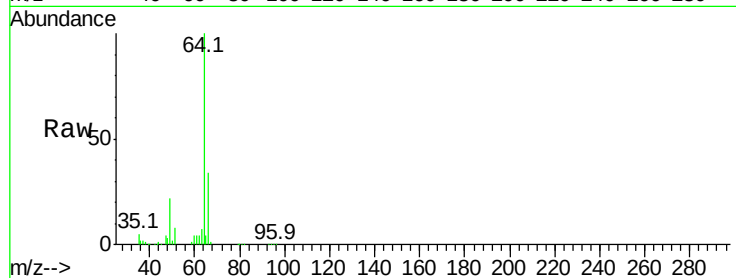
VSTDICCC010

Tgt Ion: 64 Resp: 286016

Ion Ratio Lower Upper

64 100

66 33.7 24.5 36.7



#8

Dichlorotetrafluoroethane

Concen: 13.645 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL035420.D

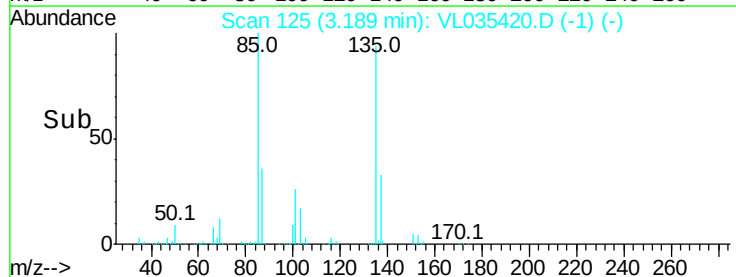
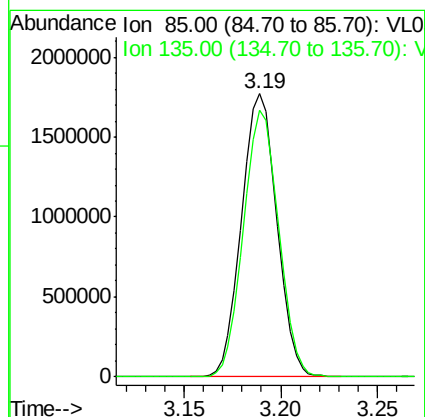
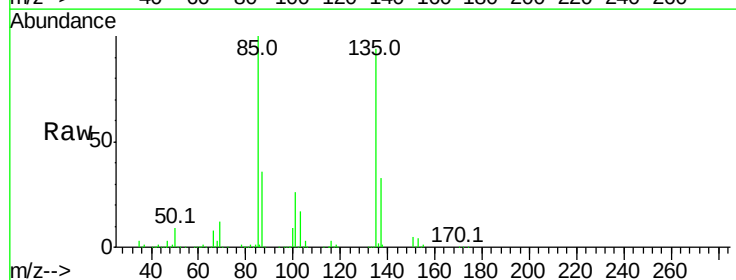
Acq: 17 Aug 2020 14:10

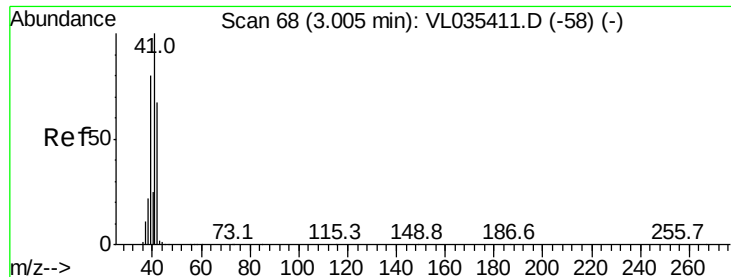
Tgt Ion: 85 Resp: 2255724

Ion Ratio Lower Upper

85 100

135 94.2 48.6 72.8#





#9

Propene

Concen: 7.270 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

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ClientSampleId :

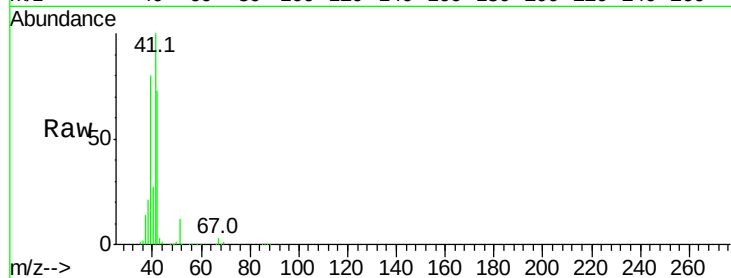
VSTDICCC010

Tgt Ion: 41 Resp: 482719

Ion Ratio Lower Upper

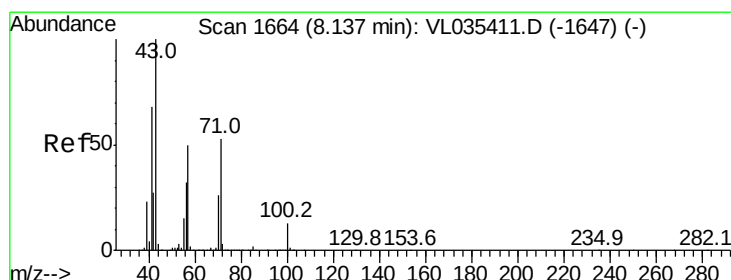
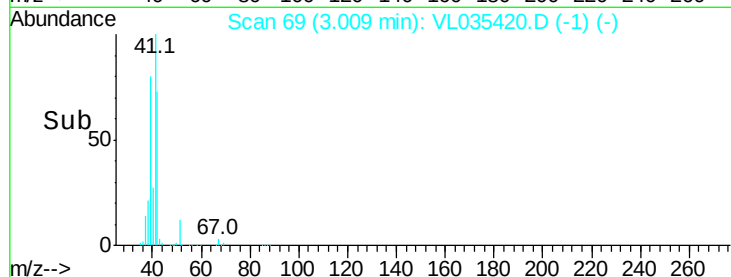
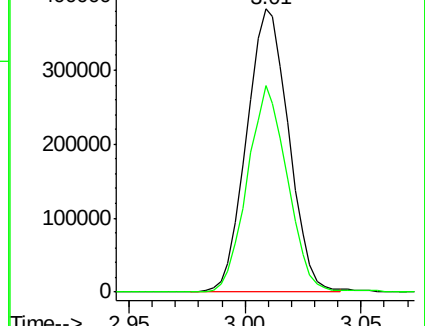
41 100

42 70.1 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 7.786 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL035420.D

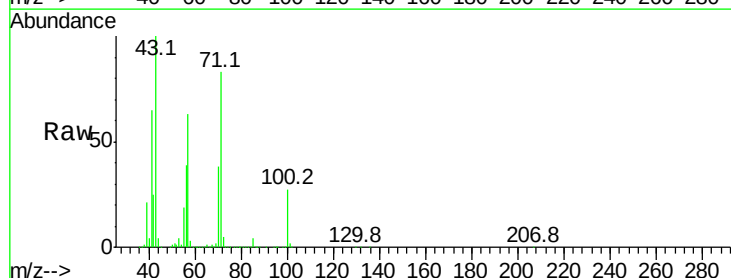
Acq: 17 Aug 2020 14:10

Tgt Ion: 43 Resp: 1306855

Ion Ratio Lower Upper

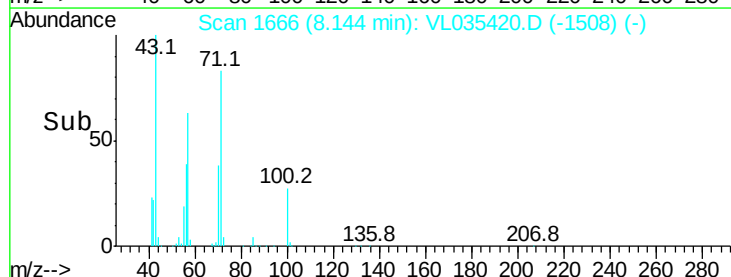
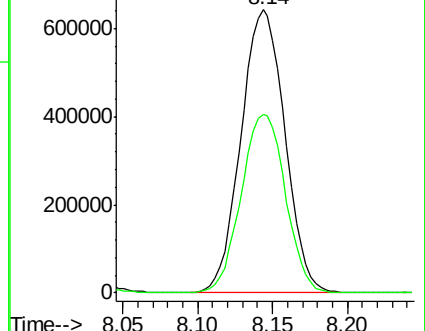
43 100

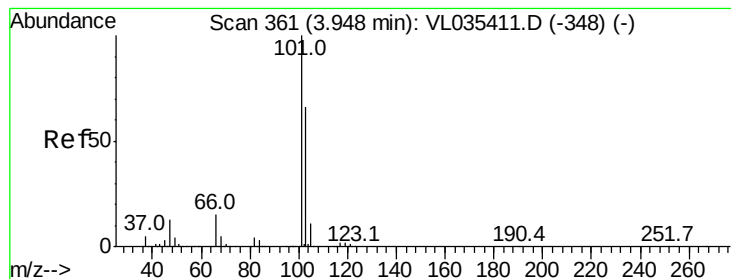
57 63.9 39.8 59.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 16.005 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

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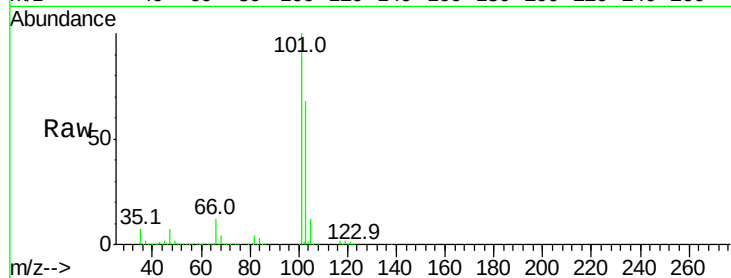
VSTDICCC010

Tgt Ion:101 Resp: 2785633

Ion Ratio Lower Upper

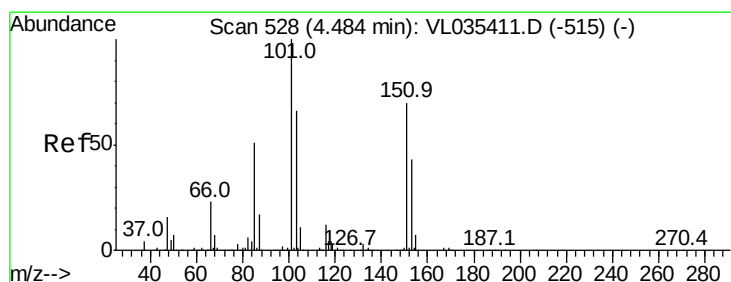
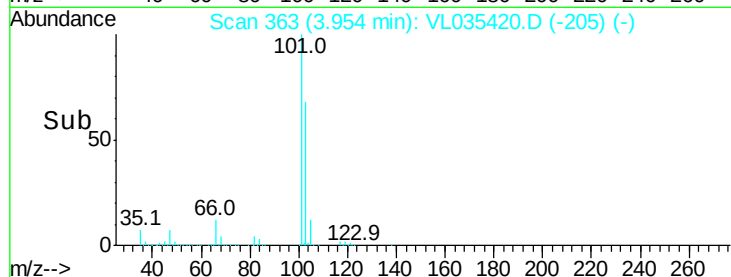
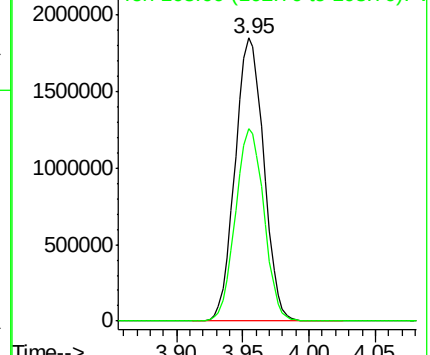
101 100

103 67.9 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 18.615 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL035420.D

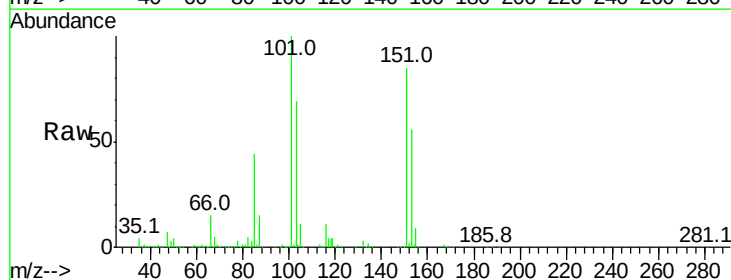
Acq: 17 Aug 2020 14:10

Tgt Ion:101 Resp: 2109733

Ion Ratio Lower Upper

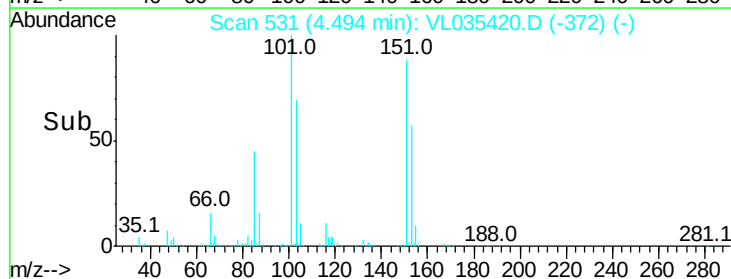
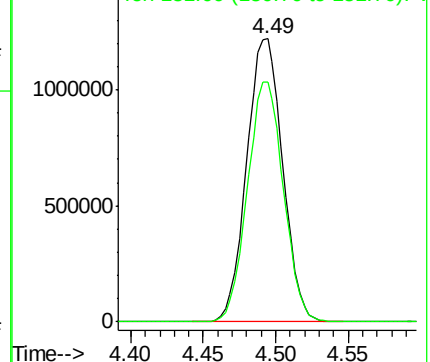
101 100

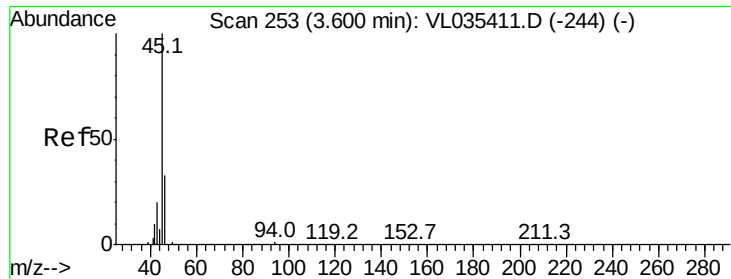
151 85.1 53.6 80.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.083 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

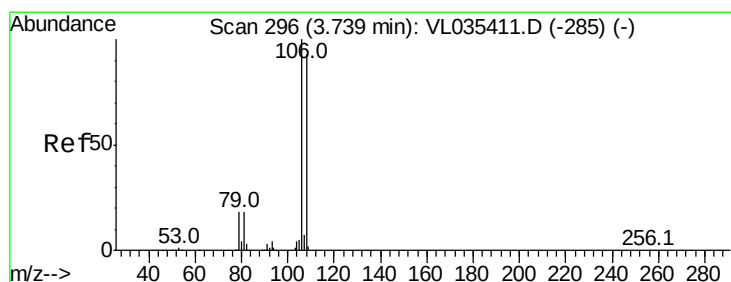
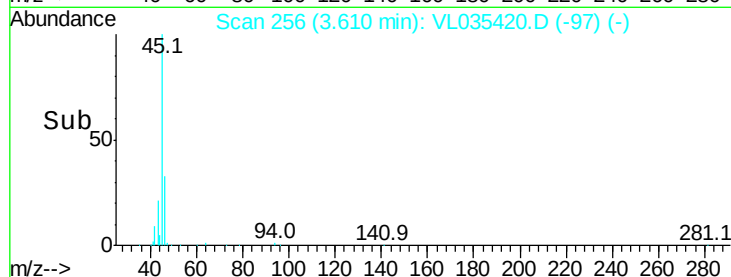
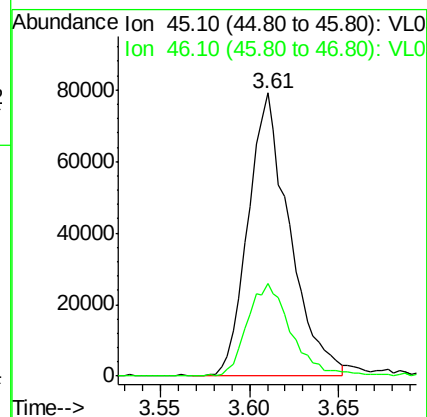
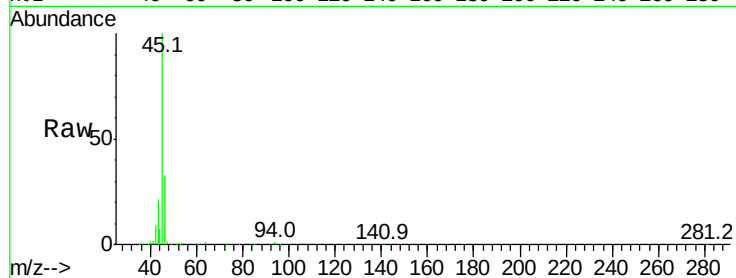
VSTDICCC010

Tgt Ion: 45 Resp: 128980

Ion Ratio Lower Upper

45 100

46 35.3 14.2 56.6



#14

Bromoethene

Concen: 19.512 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

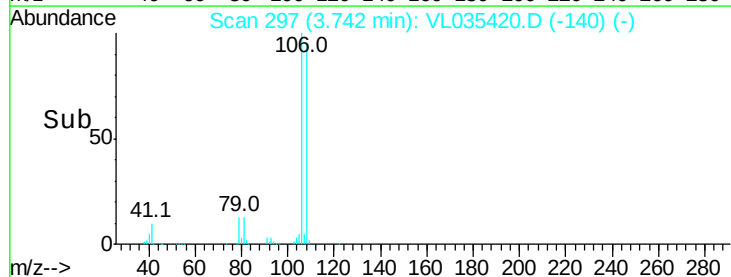
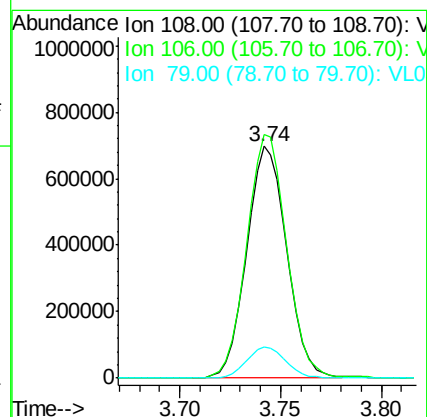
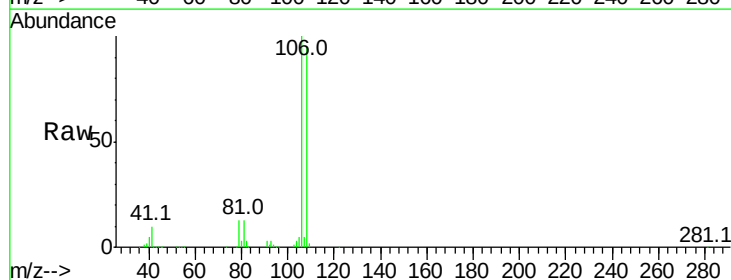
Tgt Ion: 108 Resp: 970325

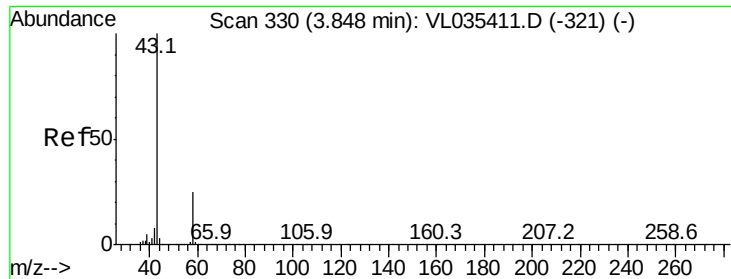
Ion Ratio Lower Upper

108 100

106 105.2 86.7 130.1

79 13.2 16.8 25.2#





#15

Acetone

Concen: 6.938 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

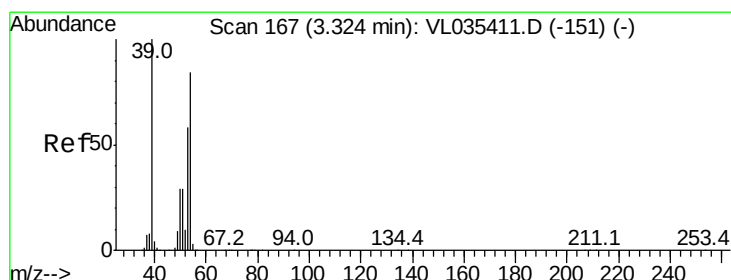
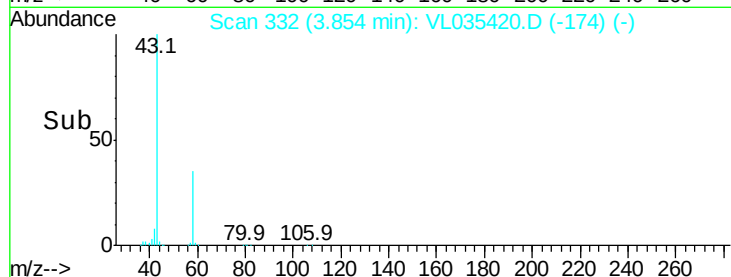
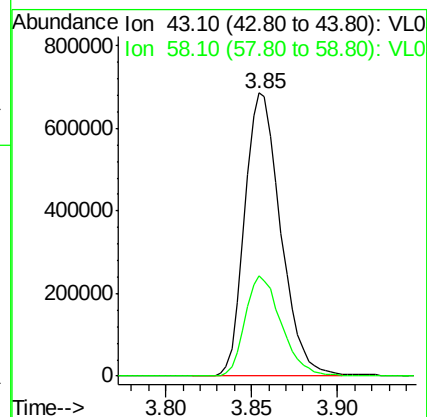
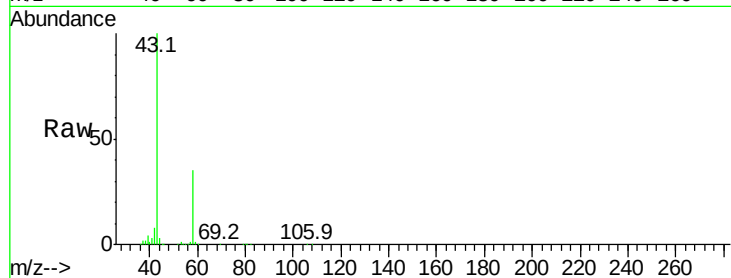
VSTDICCC010

Tgt Ion: 43 Resp: 997005

Ion Ratio Lower Upper

43 100

58 35.8 21.0 31.6#



#16

1,3-Butadiene

Concen: 7.062 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035420.D

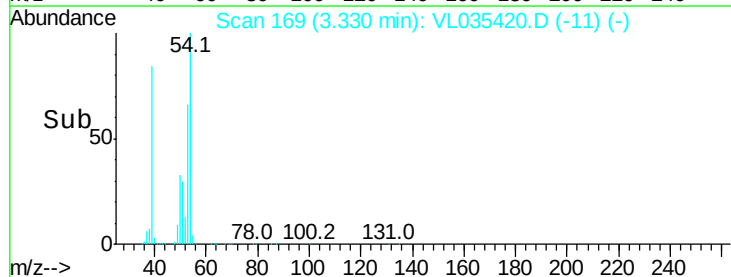
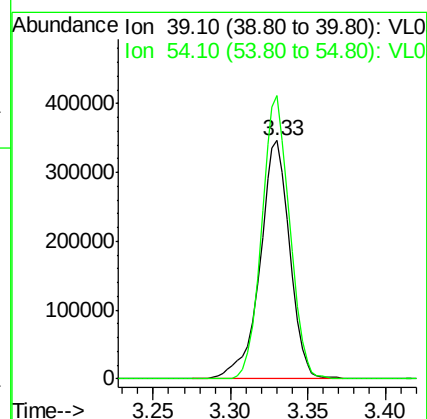
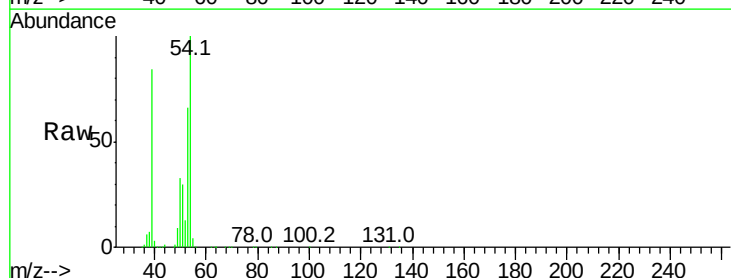
Acq: 17 Aug 2020 14:10

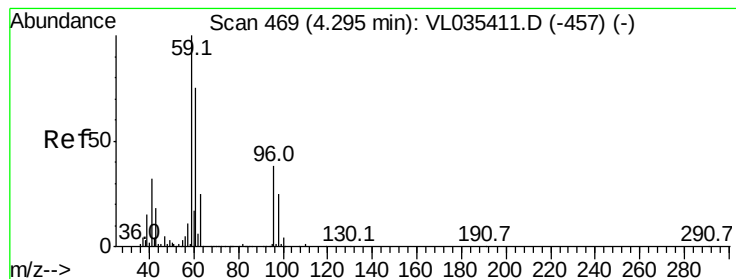
Tgt Ion: 39 Resp: 464857

Ion Ratio Lower Upper

39 100

54 111.9 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 11.297 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

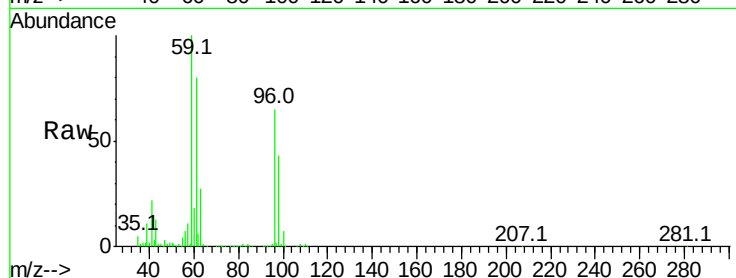
VSTDICCC010

Tgt Ion: 59 Resp: 1540827

Ion Ratio Lower Upper

59 100

57 10.6 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

800000

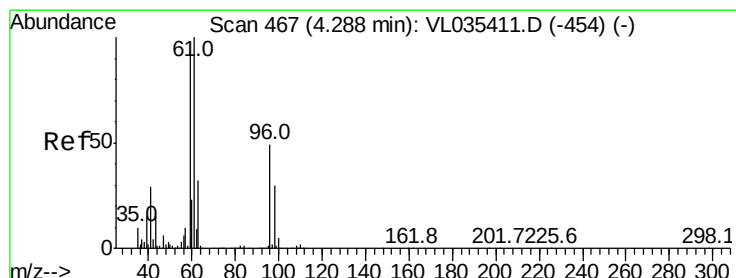
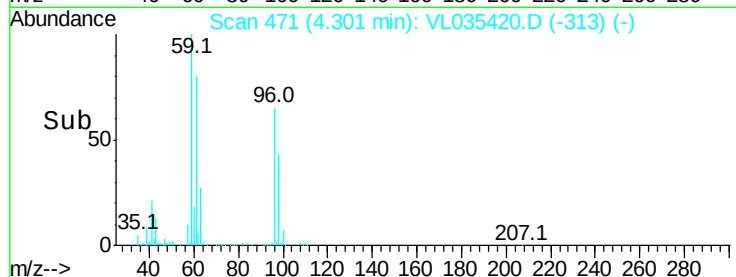
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 19.098 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

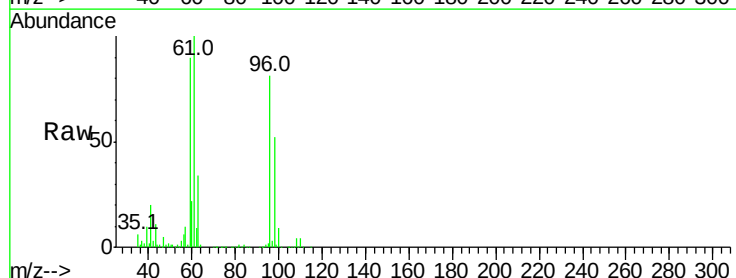
Tgt Ion: 96 Resp: 972610

Ion Ratio Lower Upper

96 100

61 123.5 161.8 242.6#

98 63.7 49.3 73.9



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

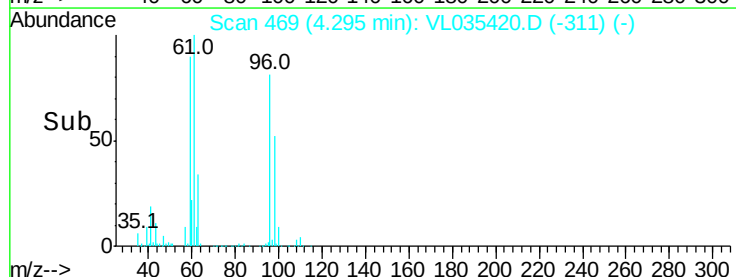
600000

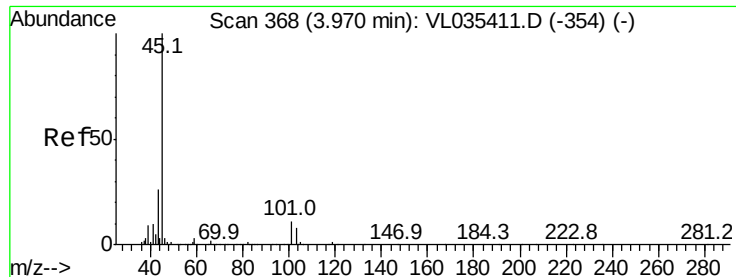
400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 7.898 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

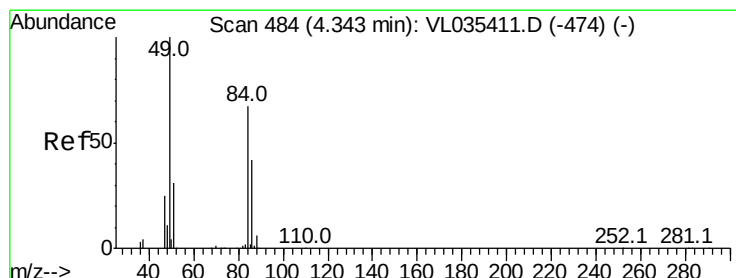
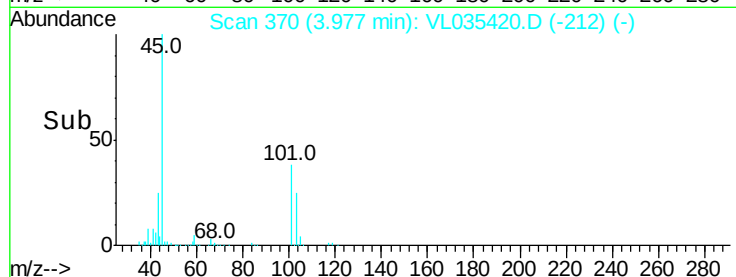
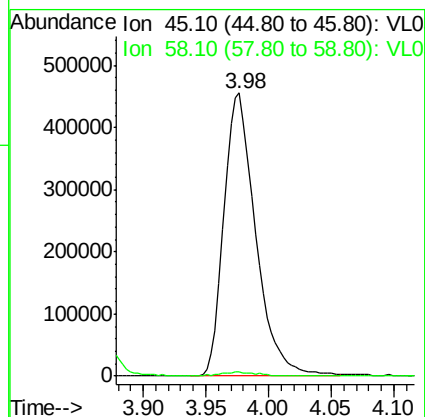
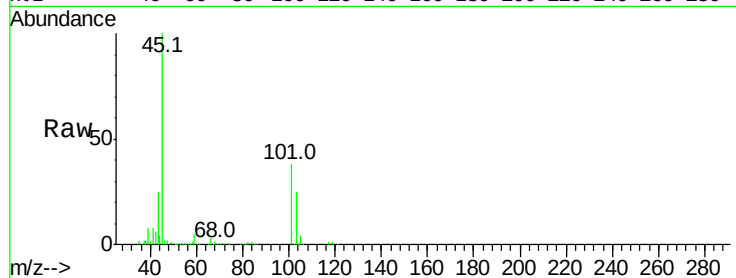
VSTDICCC010

Tgt Ion: 45 Resp: 800400

Ion Ratio Lower Upper

45 100

58 2.0 1.0 1.6#



#20

Methylene Chloride

Concen: 14.990 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion: 84 Resp: 799081

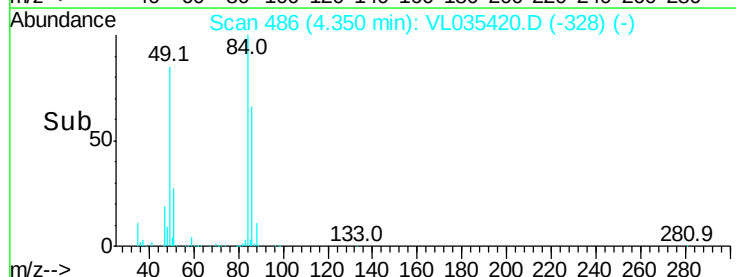
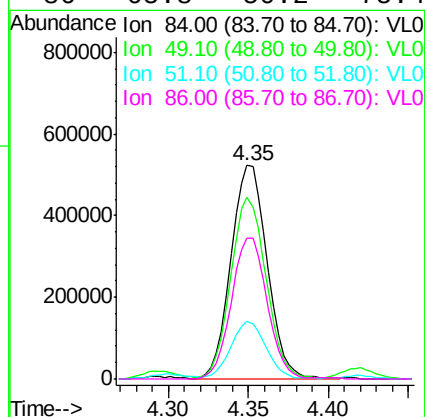
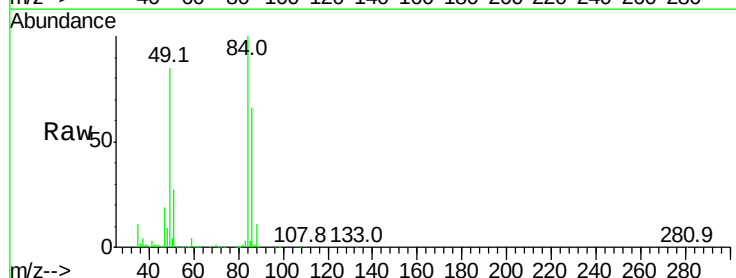
Ion Ratio Lower Upper

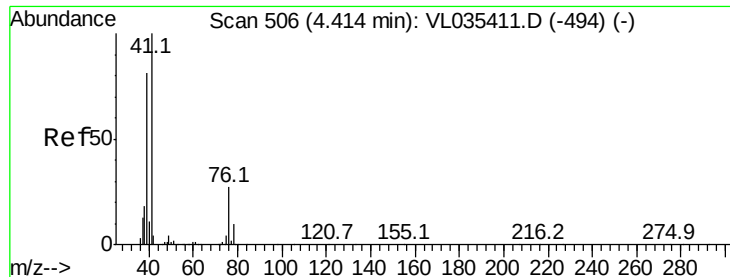
84 100

49 84.2 118.6 177.8#

51 26.4 36.4 54.6#

86 65.8 50.2 75.4





#21

Allyl Chloride

Concen: 7.312 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

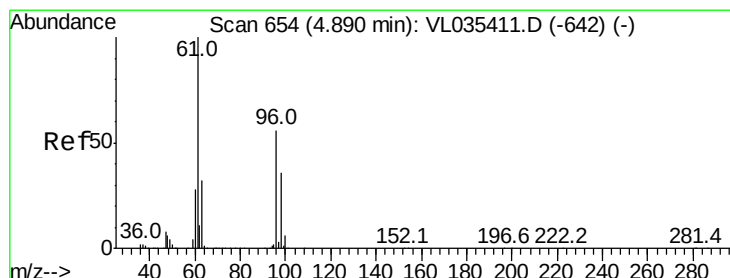
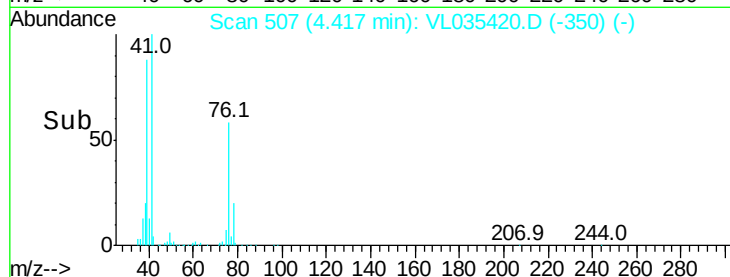
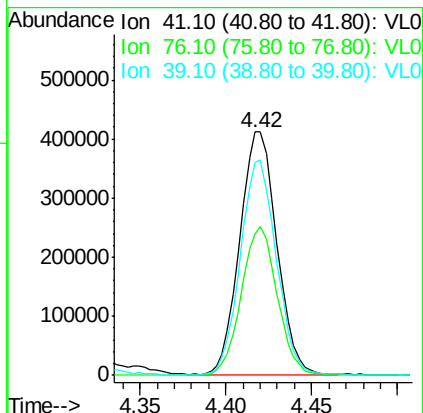
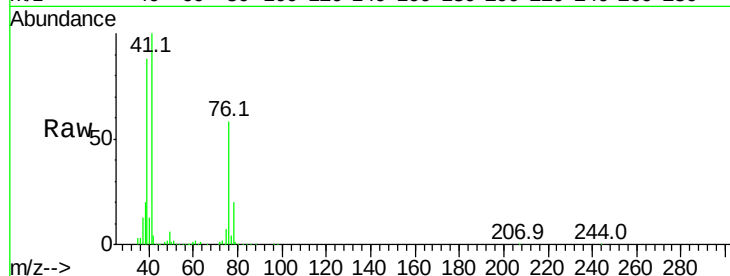
Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:	41	Resp:	613997
Ion	Ratio	Lower	Upper
41	100		
76	59.6	22.8	34.2#
39	86.5	66.2	99.2



#22

trans-1,2-Dichloroethene

Concen: 20.250 ppbv

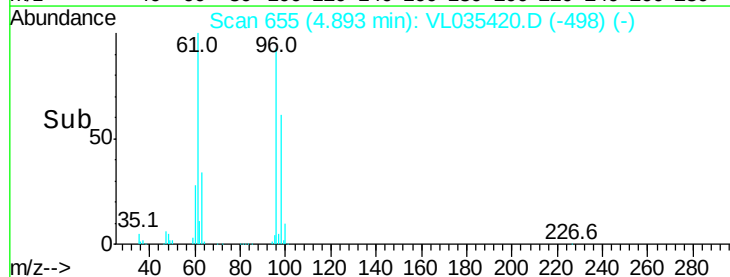
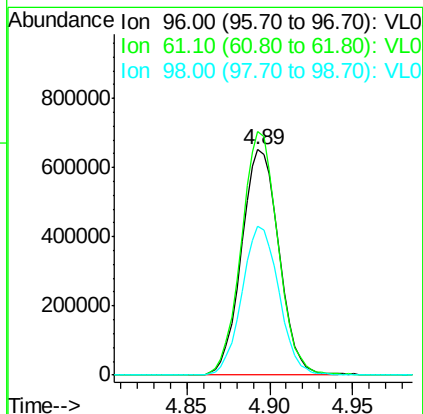
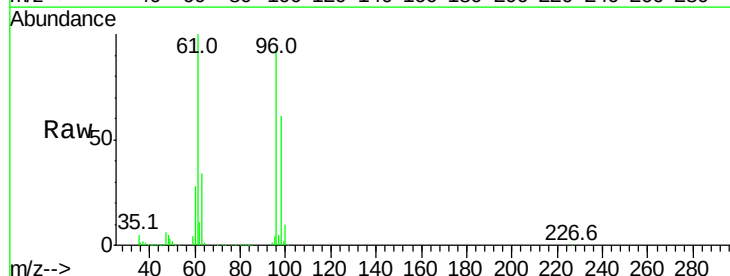
RT: 4.89 min Scan# 655

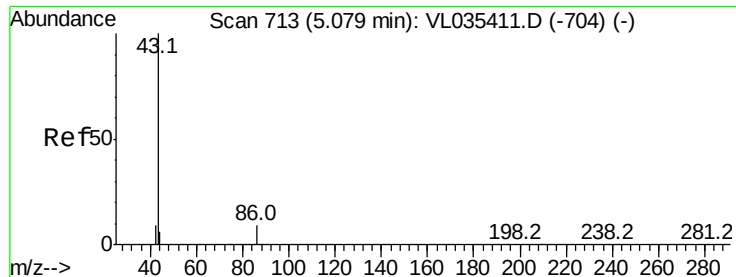
Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion:	96	Resp:	1027289
Ion	Ratio	Lower	Upper
96	100		
61	107.9	142.2	213.2#
98	65.9	51.8	77.8





#23

Vinyl Acetate

Concen: 8.153 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

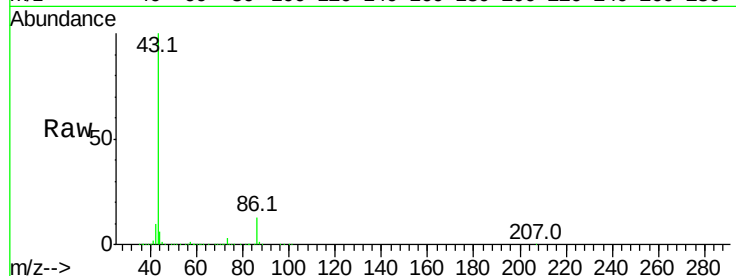
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1717397

Ion	Ratio	Lower	Upper
43	100		
86	13.1	6.5	9.7#
42	9.6	8.3	12.5
44	5.4	4.0	6.0



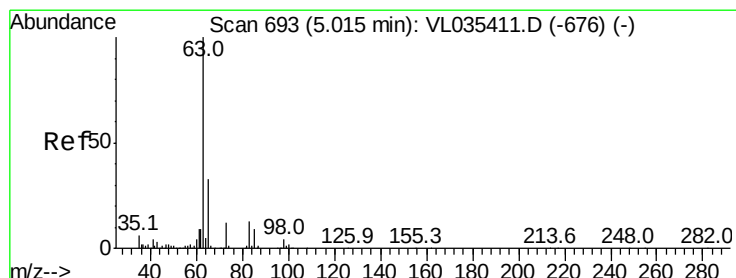
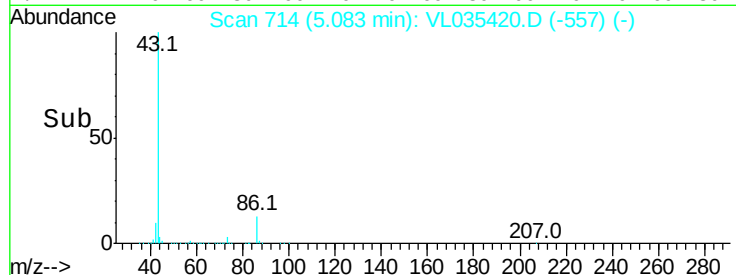
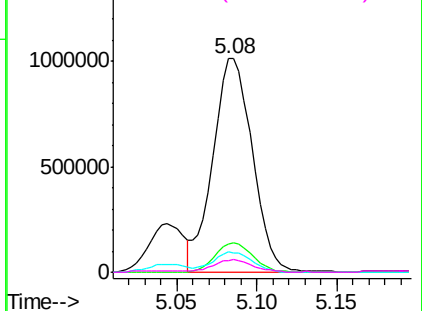
Abundance

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: 10.692 ppbv

RT: 5.02 min Scan# 695

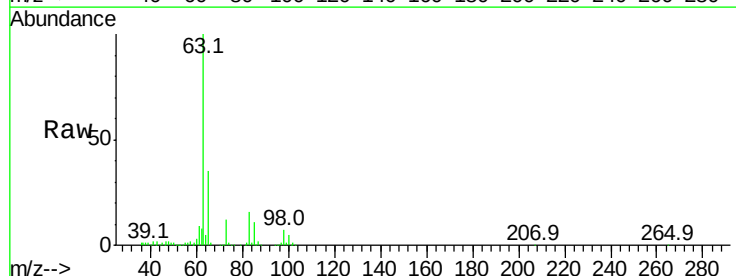
Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion: 63 Resp: 1605551

Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.1	6.5#
100	4.5	1.3	3.8#

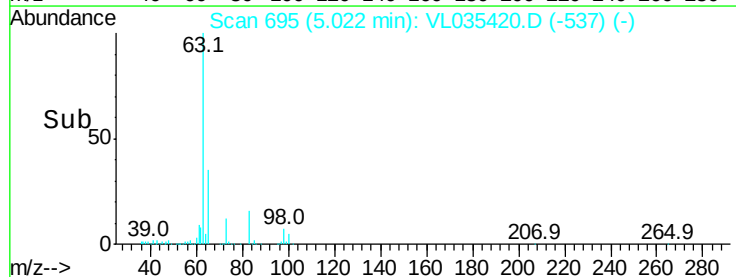
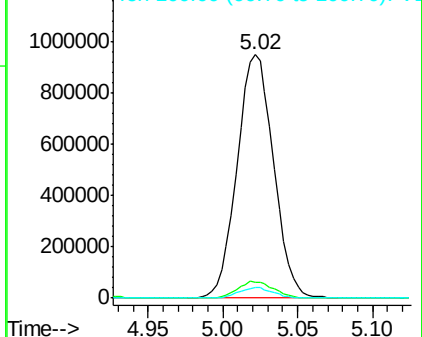


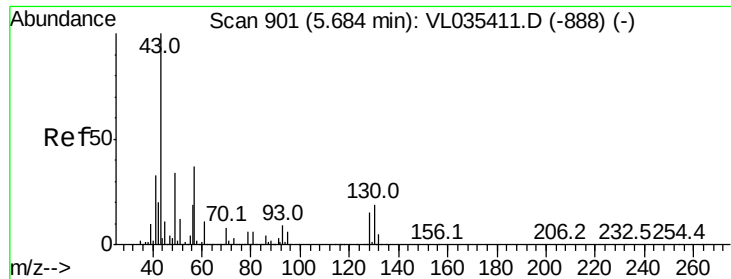
Abundance

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: 7.384 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

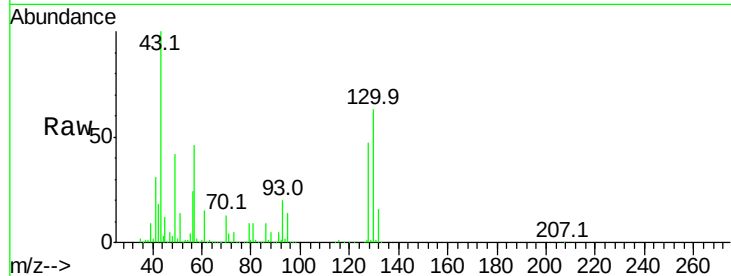
ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2125068

Ion Ratio Lower Upper

43	100		
45	10.6	8.3	12.5
61	13.5	7.6	11.4#
70	11.8	6.0	9.0#

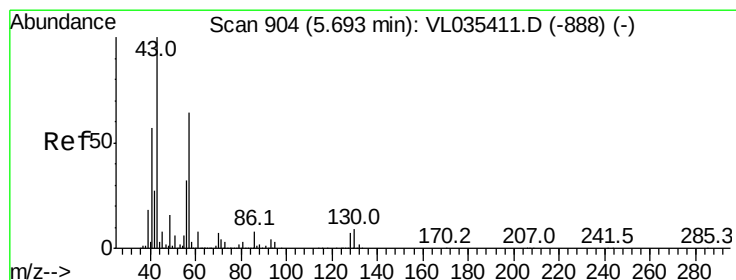
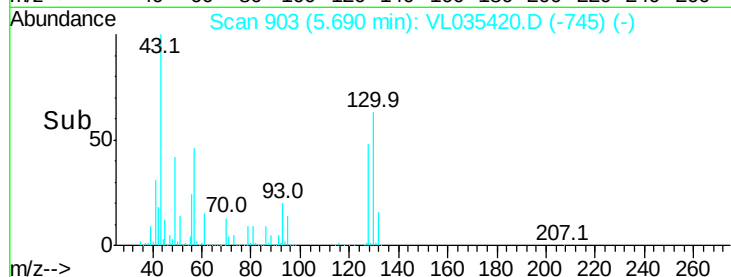
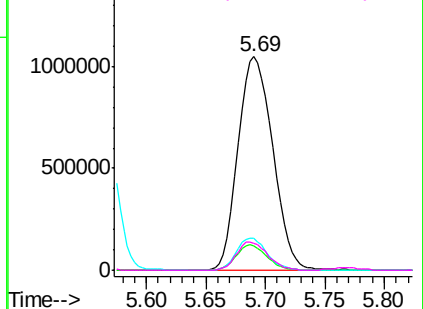


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.648 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

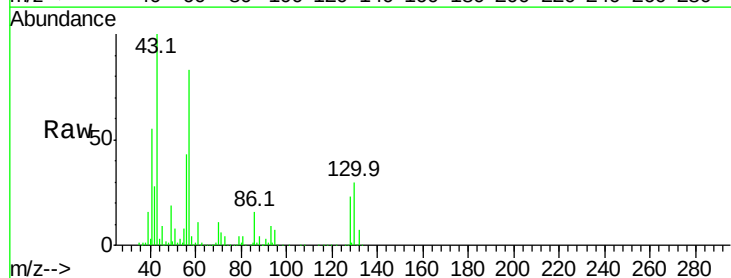
Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion: 57 Resp: 1206384

Ion Ratio Lower Upper

57	100		
41	70.2	75.5	113.3#
43	176.4	181.7	272.5#
56	52.0	42.4	63.6

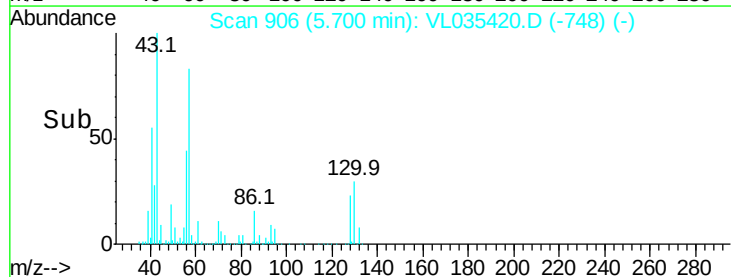
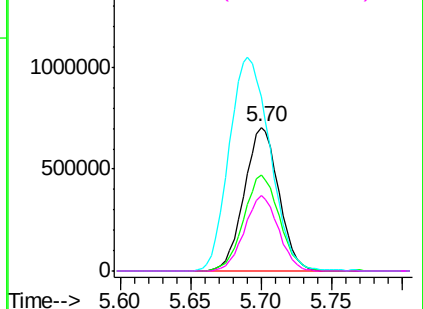


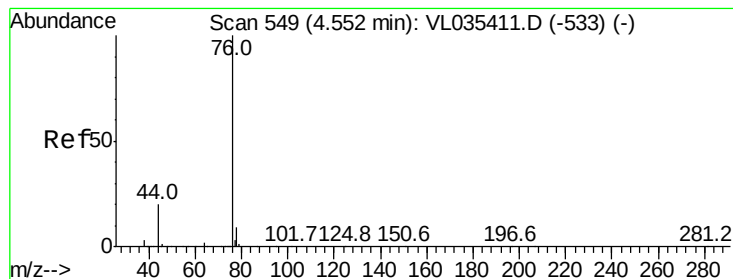
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 16.457 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

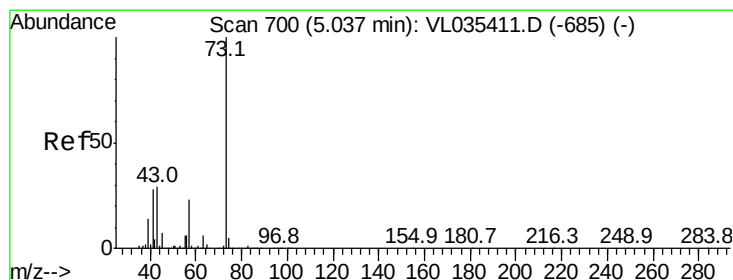
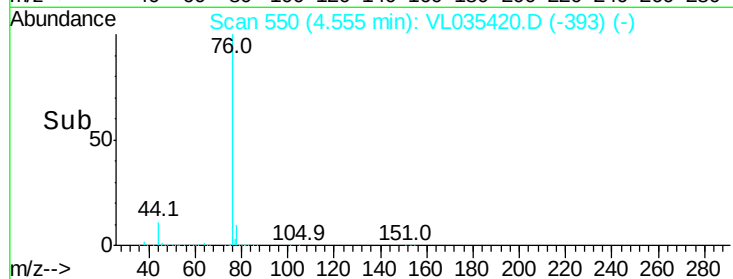
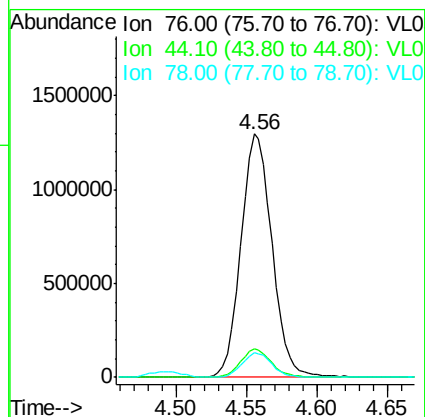
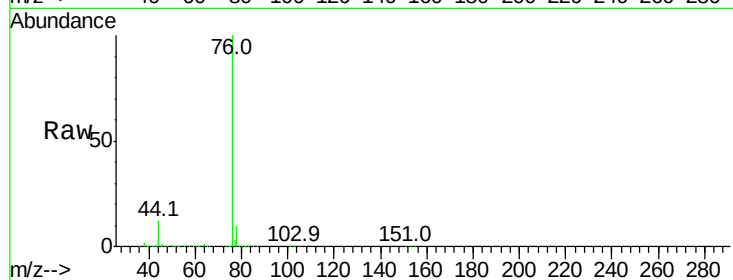
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 2003527

Ion	Ratio	Lower	Upper
76	100		
44	11.1	16.8	25.2#
78	9.6	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 12.002 ppbv

RT: 5.04 min Scan# 702

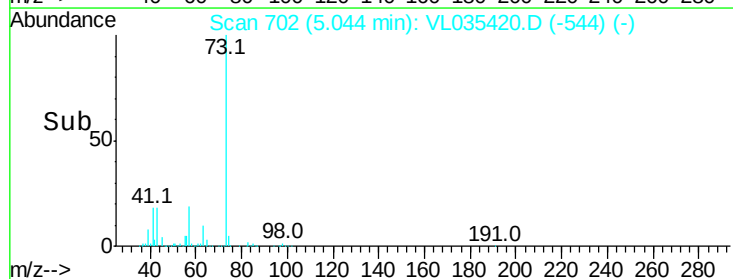
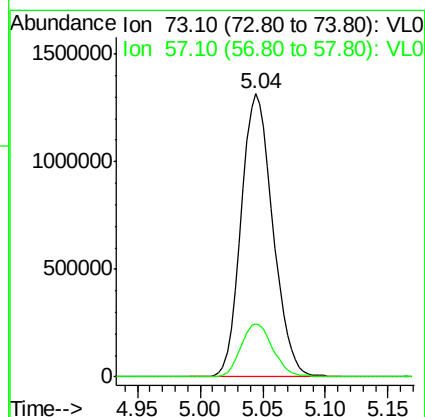
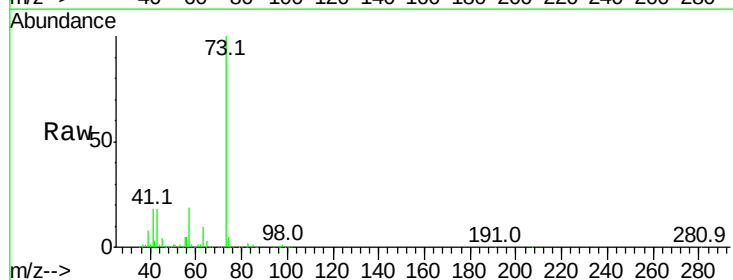
Delta R.T. 0.01 min

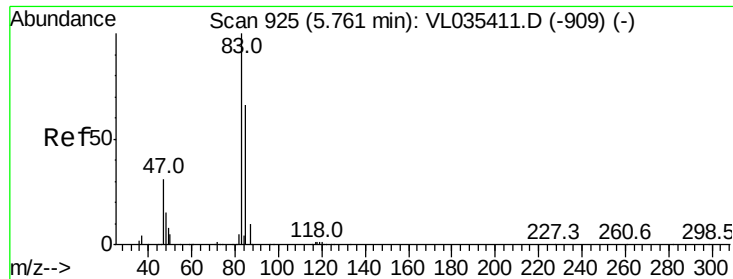
Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion: 73 Resp: 2315854

Ion	Ratio	Lower	Upper
73	100		
57	18.9	18.3	27.5

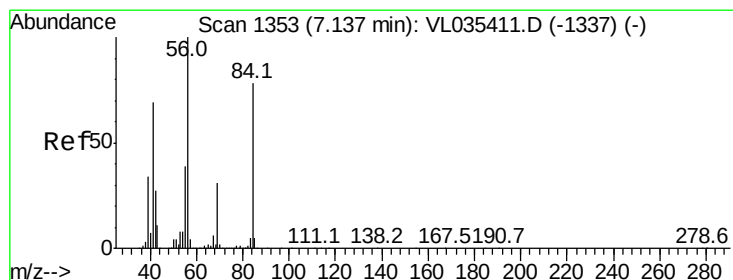
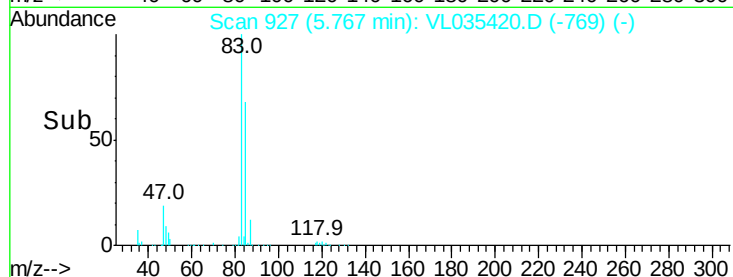
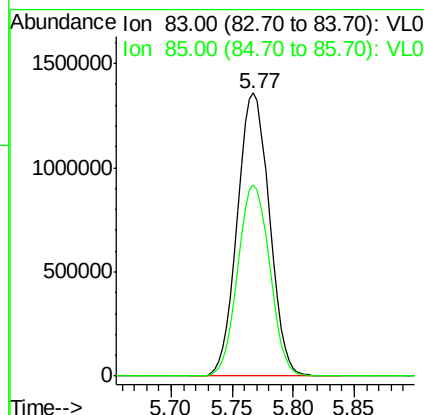
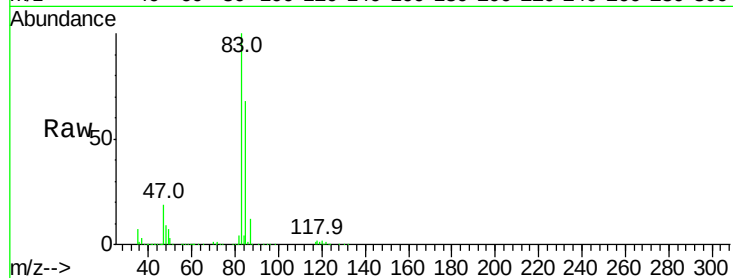




#29
Chloroform
Concen: 12.896 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

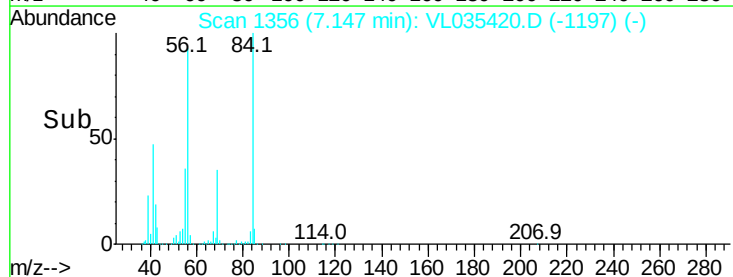
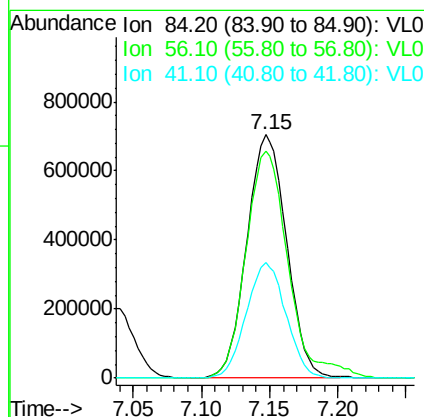
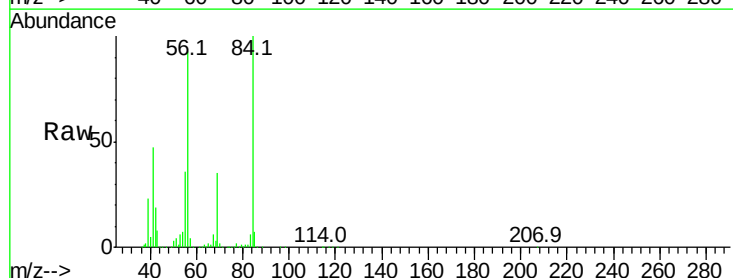
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

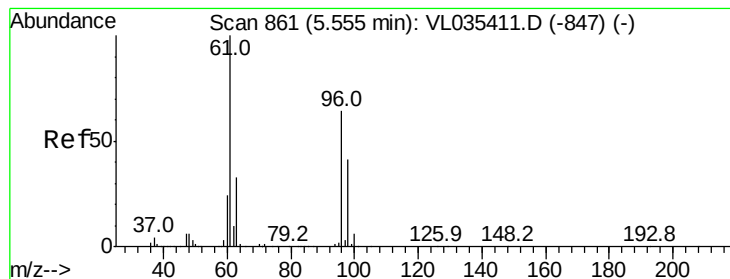
Tgt Ion: 83 Resp: 2476403
Ion Ratio Lower Upper
83 100
85 67.5 52.7 79.1



#30
Cyclohexane
Concen: 14.394 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion: 84 Resp: 1428977
Ion Ratio Lower Upper
84 100
56 99.3 114.9 172.3#
41 47.3 72.3 108.5#





#31

cis-1,2-Dichloroethene

Concen: 10.426 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

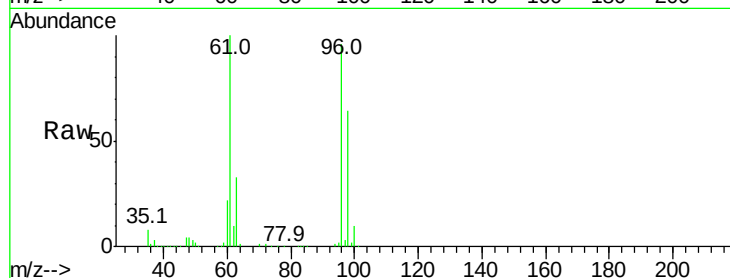
Tgt Ion: 61 Resp: 1327874

Ion Ratio Lower Upper

61 100

96 95.6 51.4 77.0#

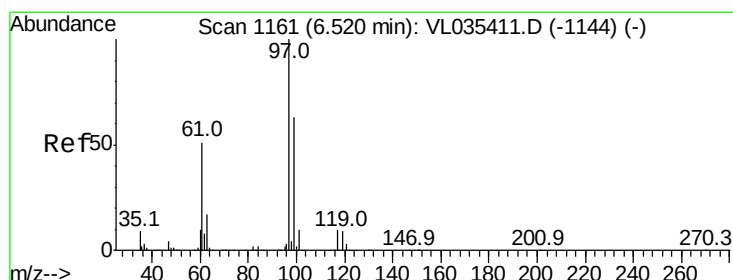
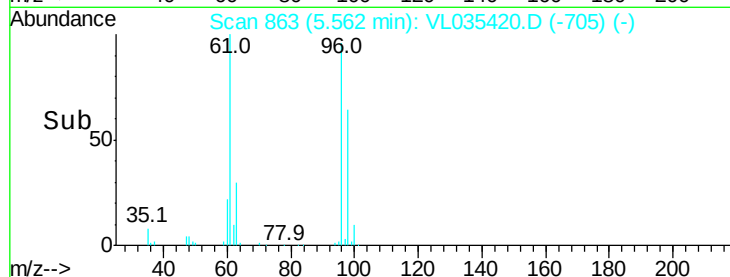
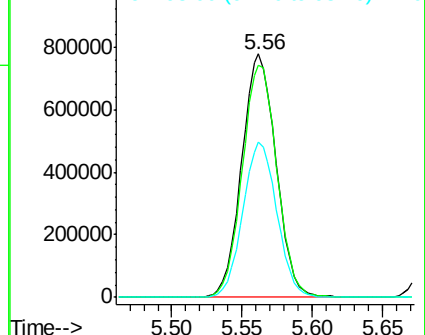
98 63.5 32.9 49.3#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 13.237 ppbv

RT: 6.53 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

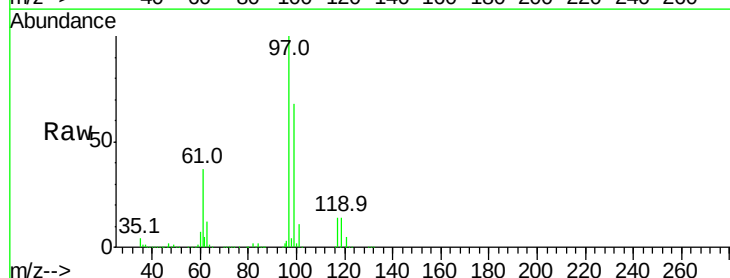
Tgt Ion: 97 Resp: 2534162

Ion Ratio Lower Upper

97 100

99 66.2 51.4 77.0

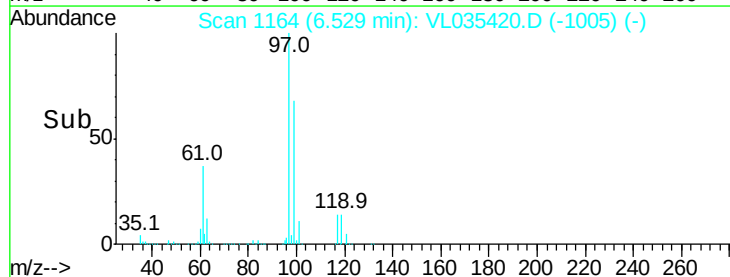
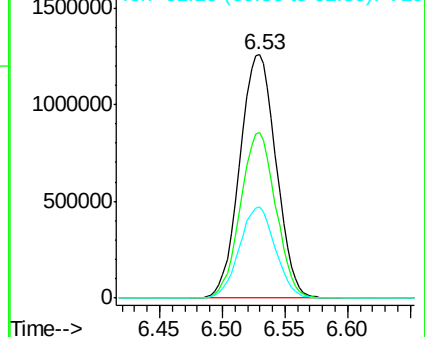
61 36.9 41.0 61.6#

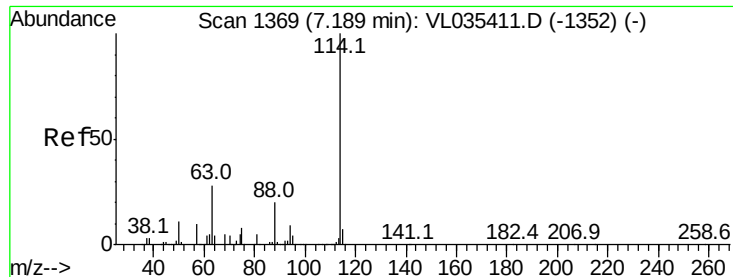


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

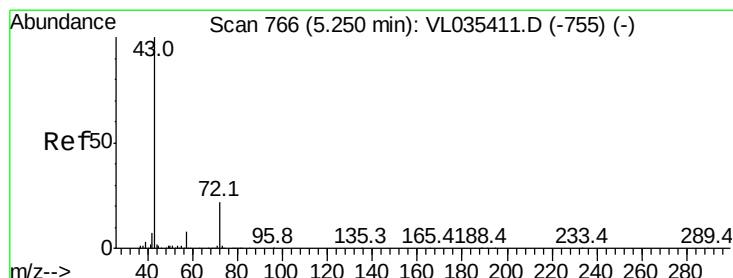
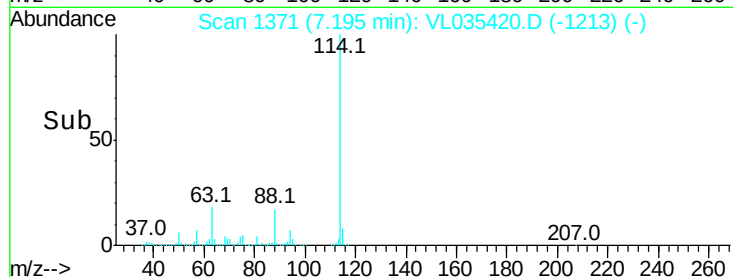
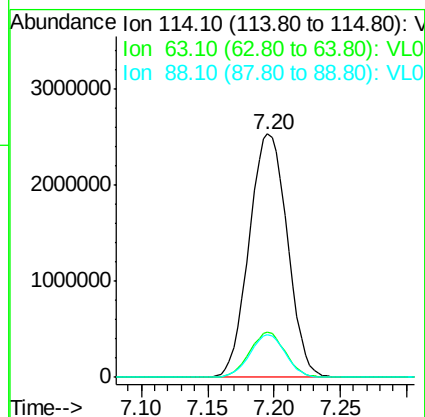
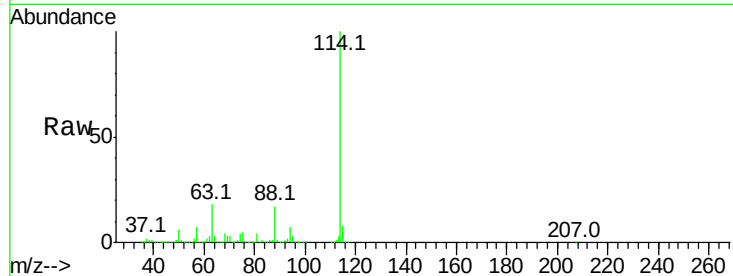




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

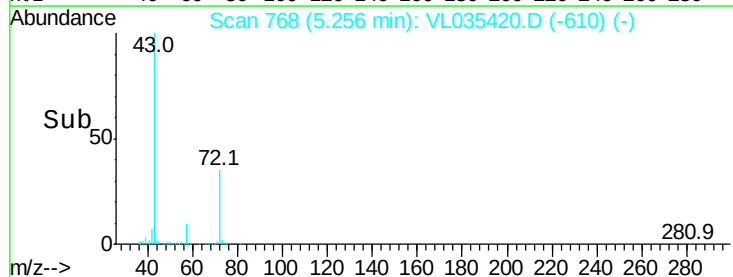
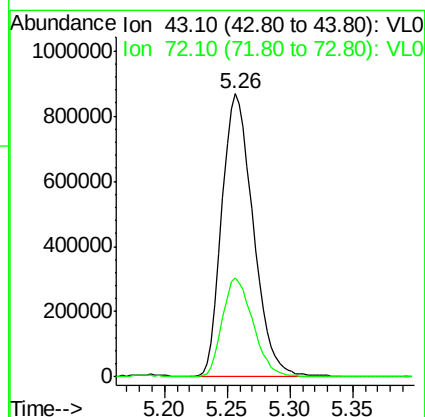
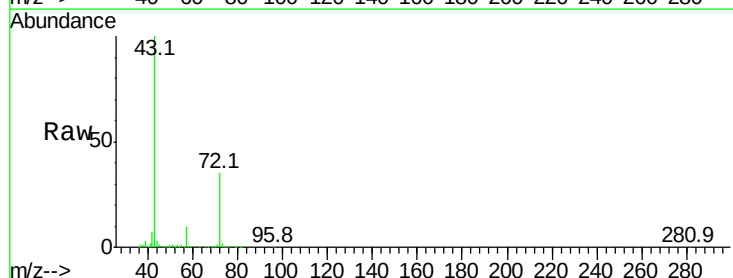
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

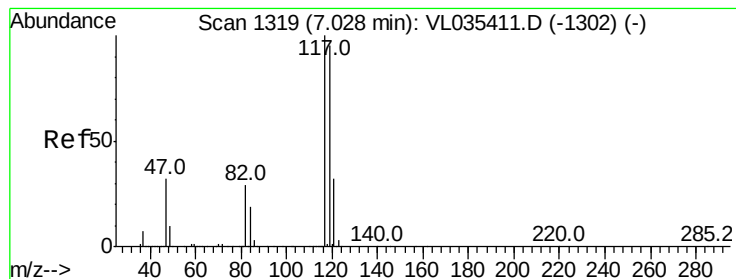
Tgt Ion:114 Resp: 5098776
 Ion Ratio Lower Upper
 114 100
 63 17.6 23.1 34.7#
 88 16.3 15.9 23.9



#34
 2-Butanone
 Concen: 3.819 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion: 43 Resp: 1501738
 Ion Ratio Lower Upper
 43 100
 72 34.5 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 7.161 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

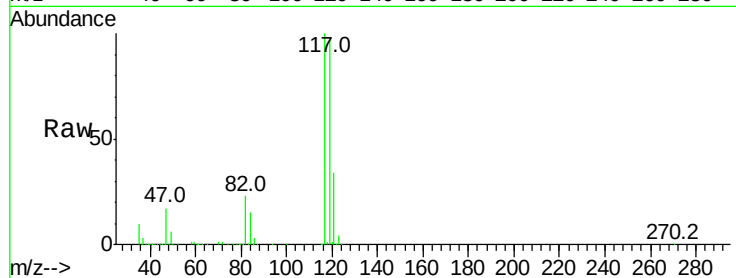
Tgt Ion:117 Resp: 2712552

Ion Ratio Lower Upper

117 100

119 97.3 76.1 114.1

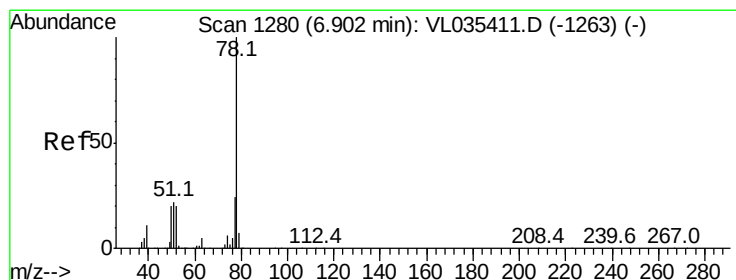
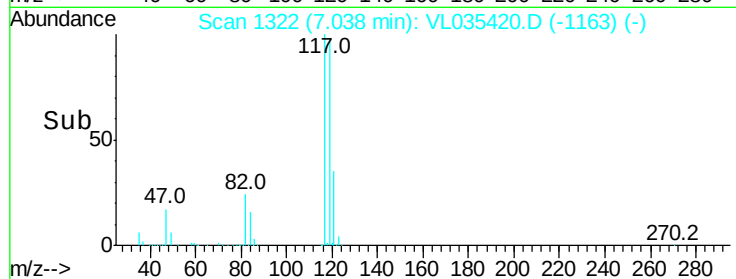
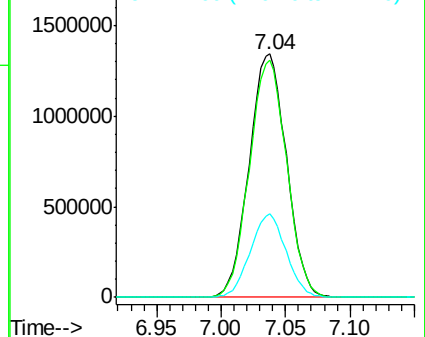
121 34.3 25.5 38.3



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: 6.301 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

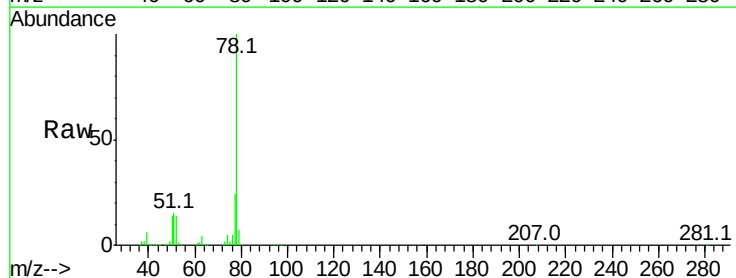
Tgt Ion: 78 Resp: 3260723

Ion Ratio Lower Upper

78 100

77 23.7 19.6 29.4

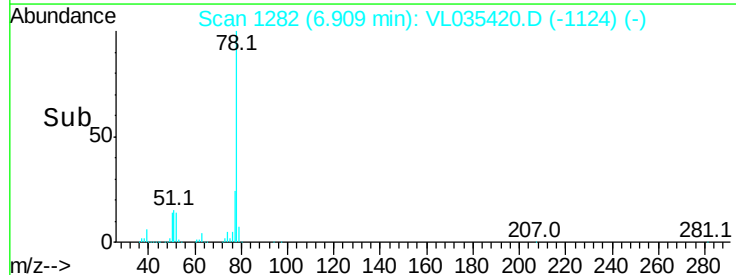
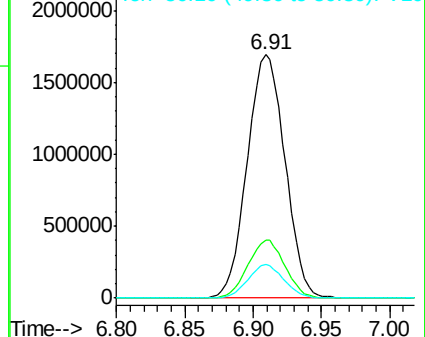
50 13.9 16.3 24.5#

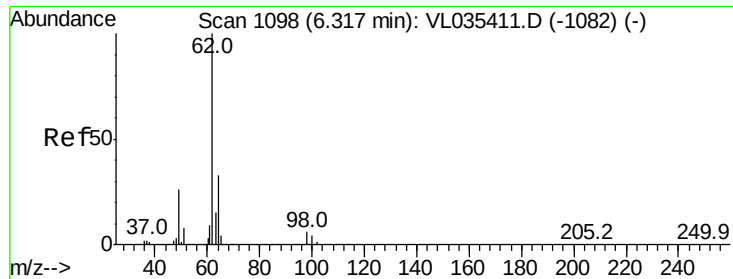


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 4.695 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

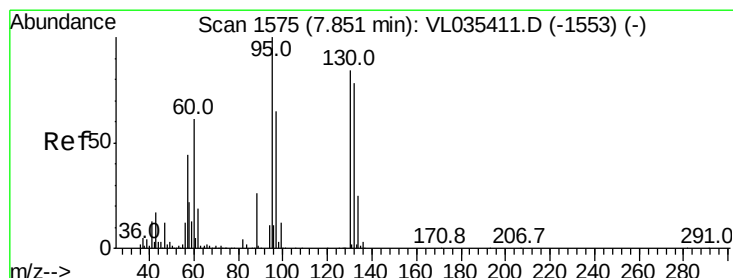
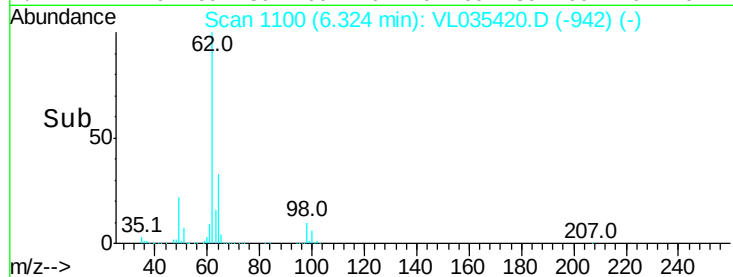
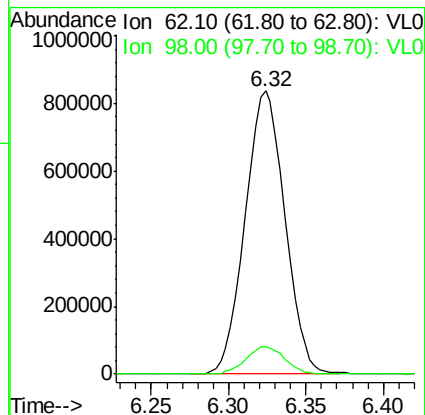
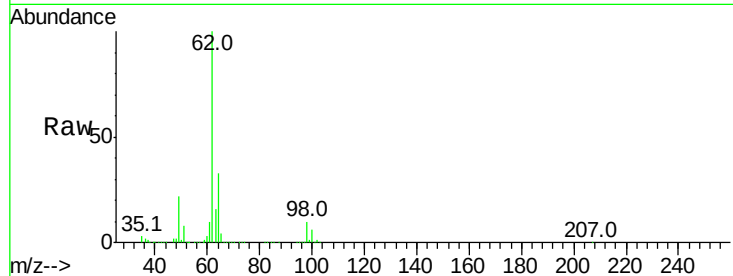
VSTDICCC010

Tgt Ion: 62 Resp: 1498398

Ion Ratio Lower Upper

62 100

98 9.6 4.6 7.0#



#38

Trichloroethene

Concen: 9.053 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion: 130 Resp: 1811204

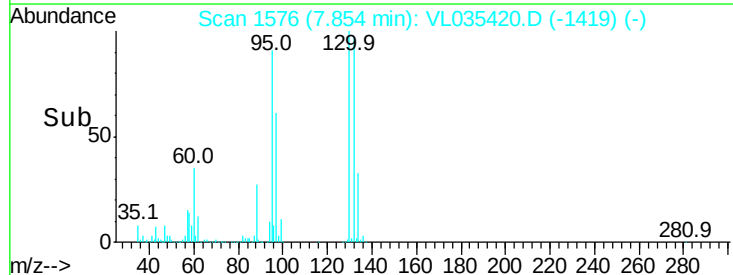
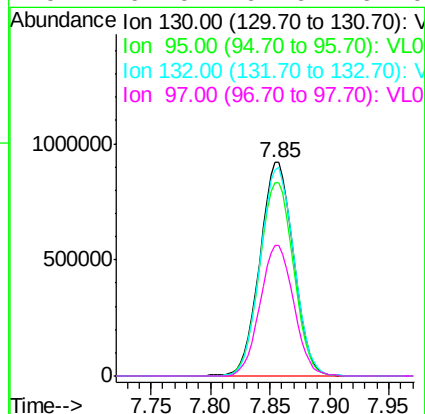
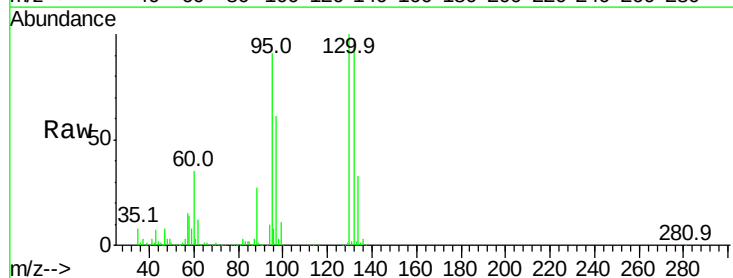
Ion Ratio Lower Upper

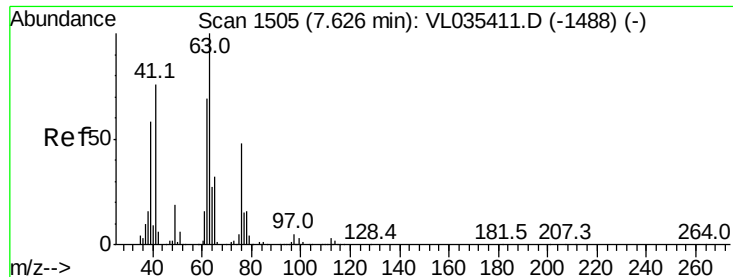
130 100

95 90.6 95.8 143.8#

132 96.7 74.3 111.5

97 61.0 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 5.210 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

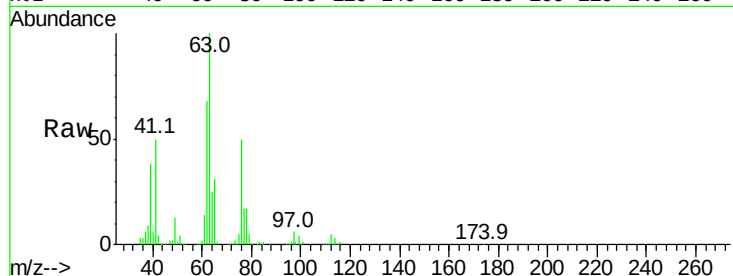
Tgt Ion: 63 Resp: 1086545

Ion Ratio Lower Upper

63 100

41 49.6 61.1 91.7#

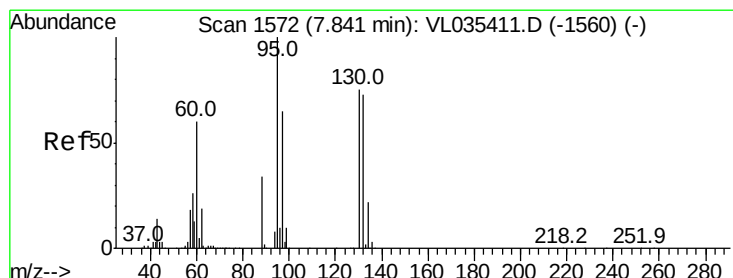
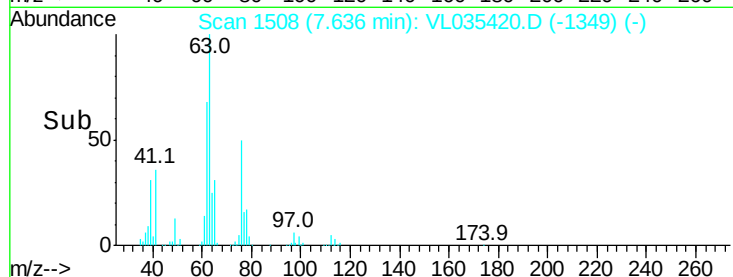
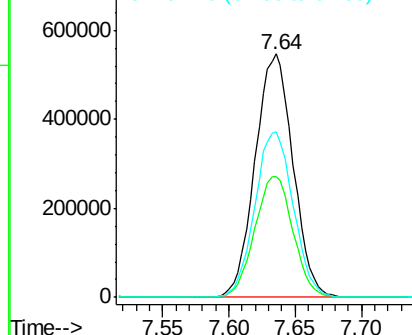
62 68.2 55.3 82.9



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: 7.428 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion: 88 Resp: 599272

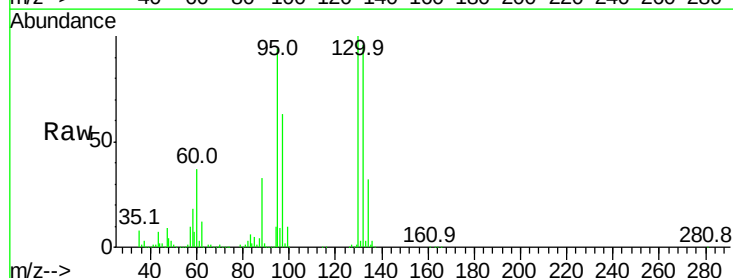
Ion Ratio Lower Upper

88 100

58 84.6 106.6 160.0#

43 126.9 209.7 314.5#

57 686.3 873.3 1309.9#

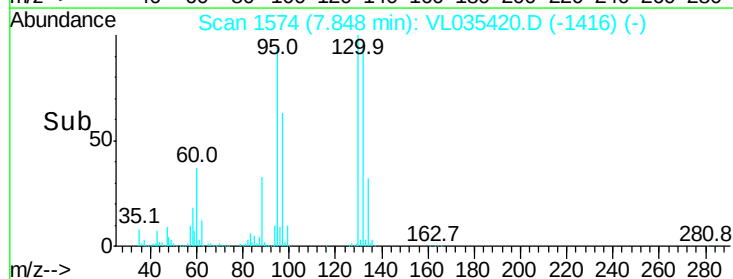
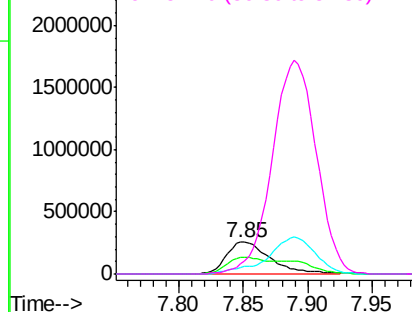


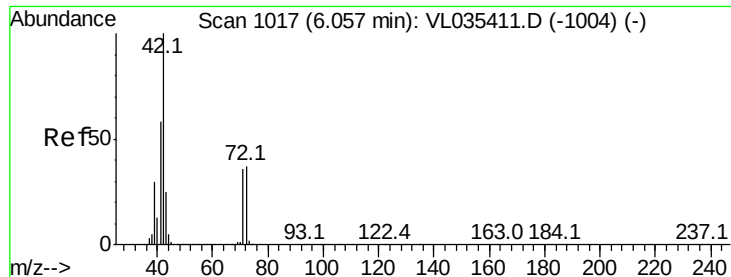
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 3.917 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

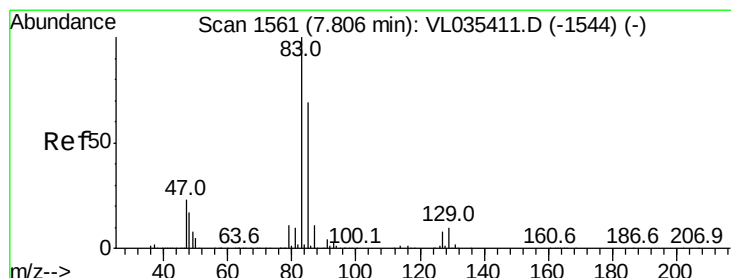
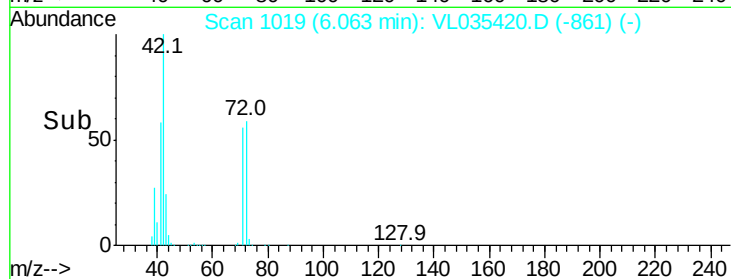
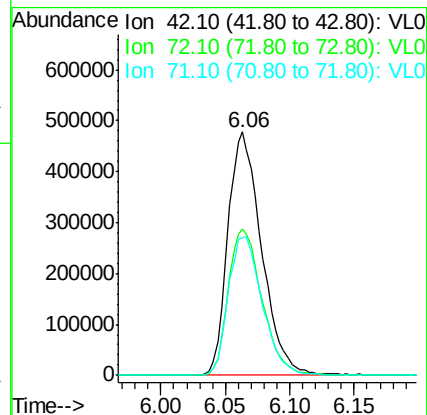
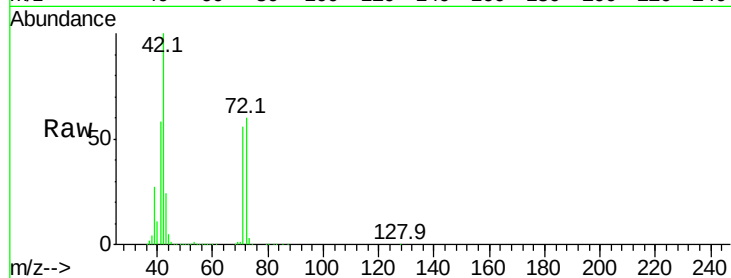
Tgt Ion: 42 Resp: 866068

Ion Ratio Lower Upper

42 100

72 60.4 29.4 44.2#

71 57.9 28.9 43.3#



#42

Bromodichloromethane

Concen: 6.519 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

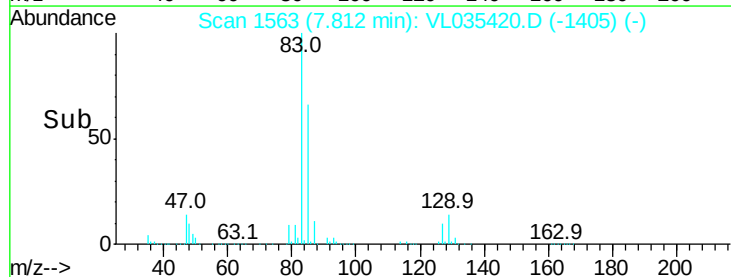
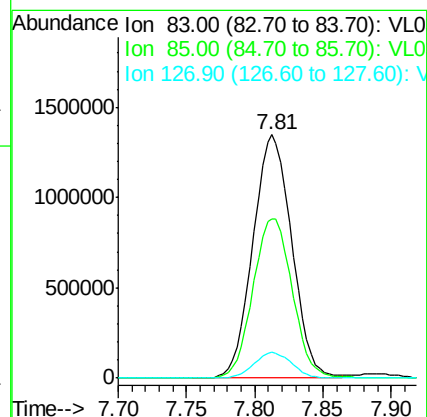
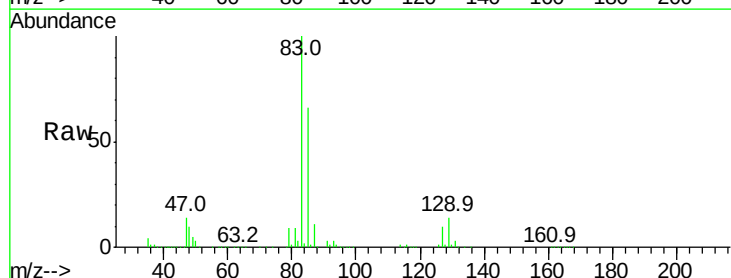
Tgt Ion: 83 Resp: 2660414

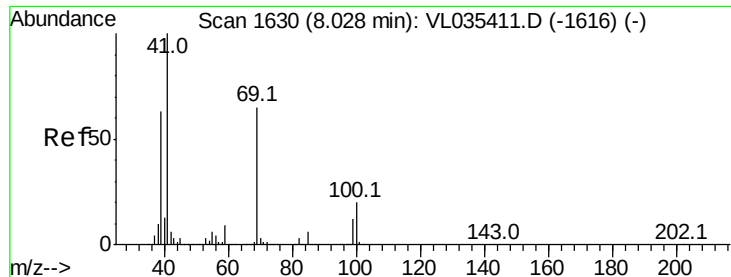
Ion Ratio Lower Upper

83 100

85 65.5 54.8 82.2

127 10.4 6.1 9.1#

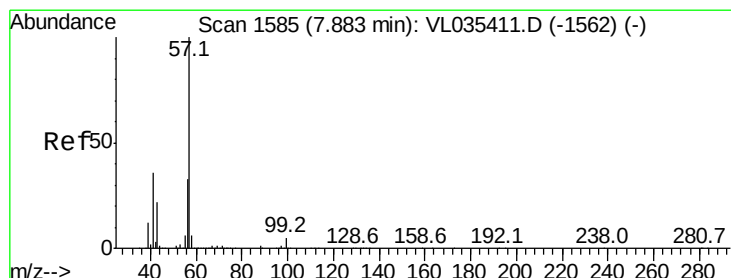
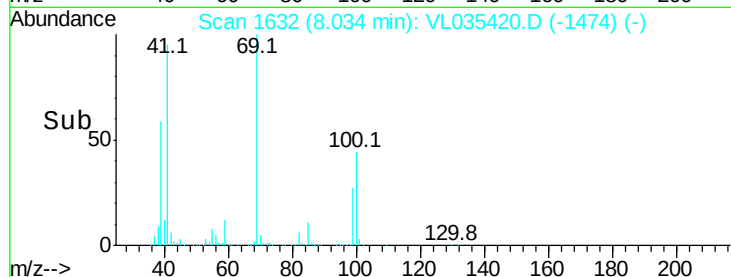
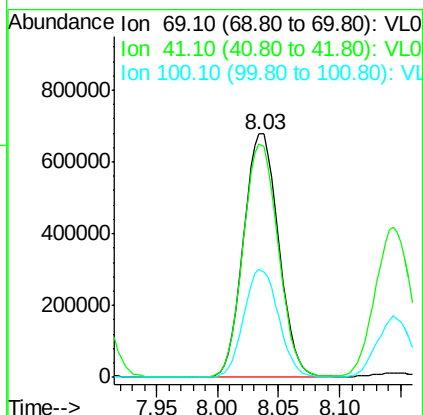
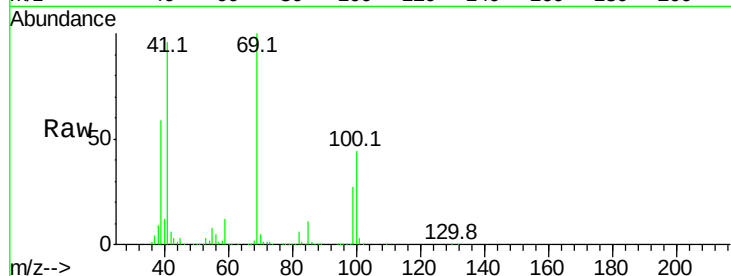




#43
Methyl Methacrylate
Concen: 5.991 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

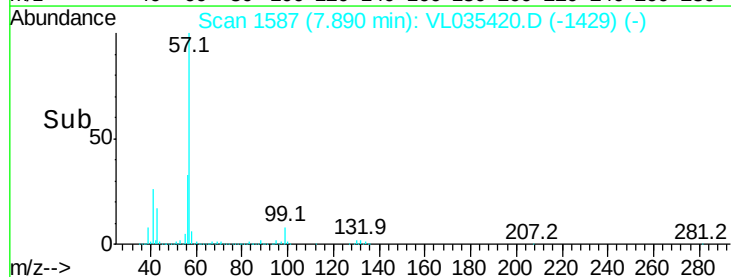
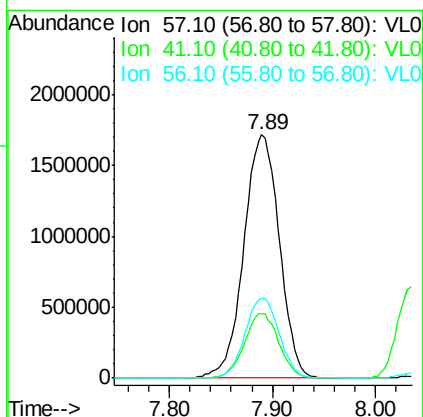
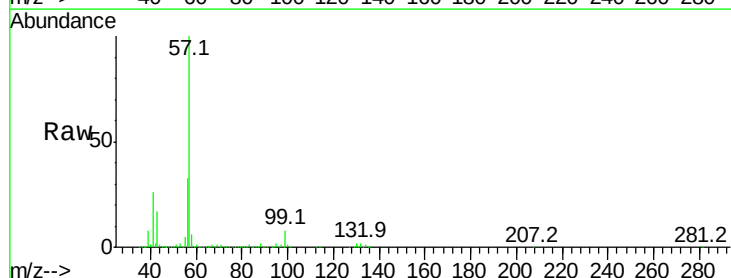
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

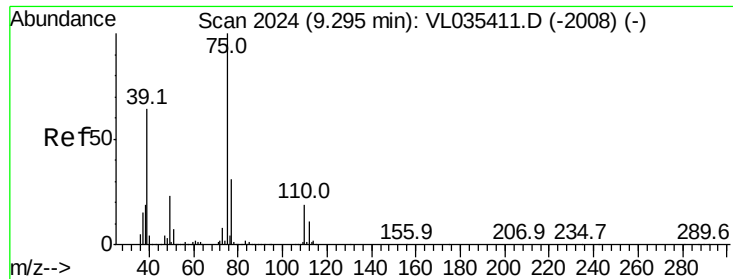
Tgt Ion: 69 Resp: 1349199
Ion Ratio Lower Upper
69 100
41 96.0 123.4 185.0#
100 43.9 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 4.537 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion: 57 Resp: 4103901
Ion Ratio Lower Upper
57 100
41 25.6 27.2 40.8#
56 31.6 25.4 38.0

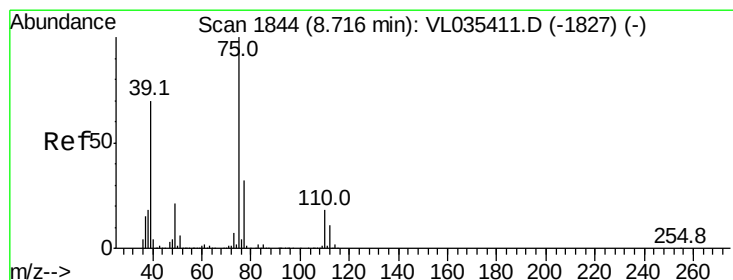
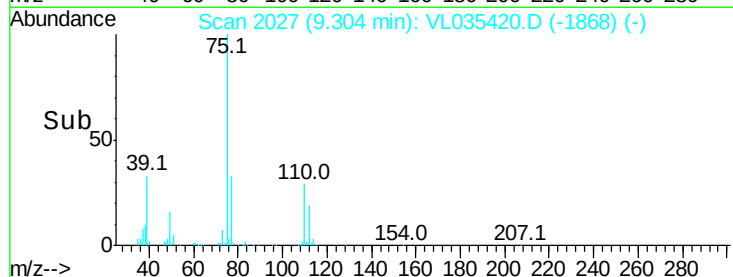
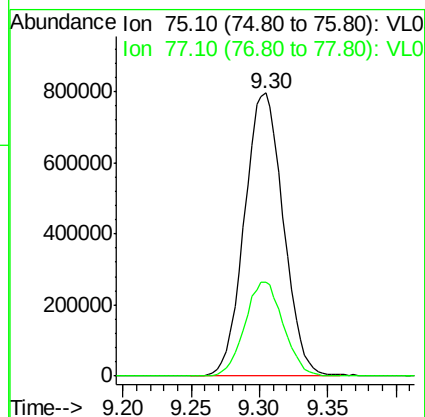
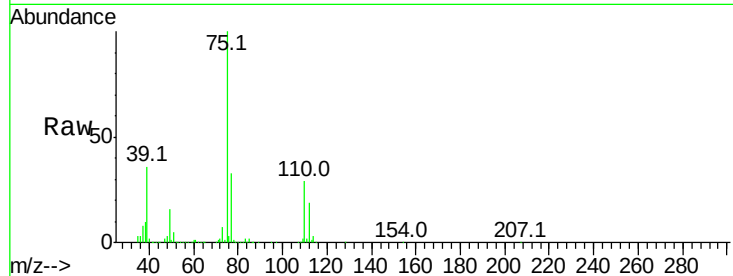




#45
 t-1,3-Dichloropropene
 Concen: 6.652 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

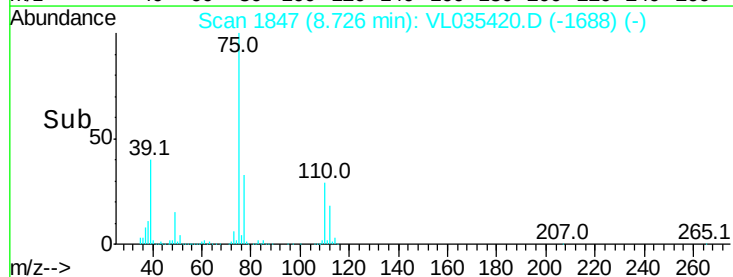
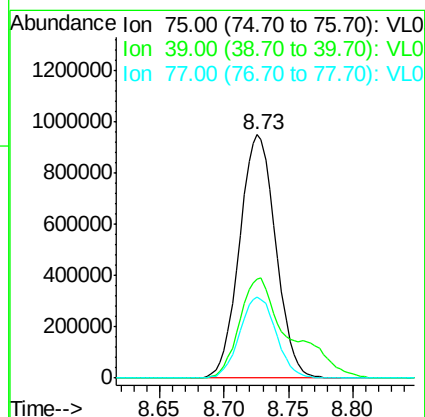
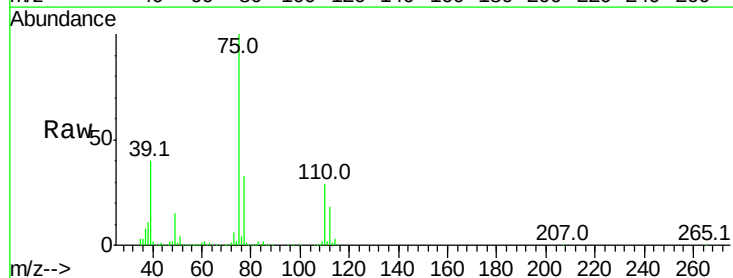
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

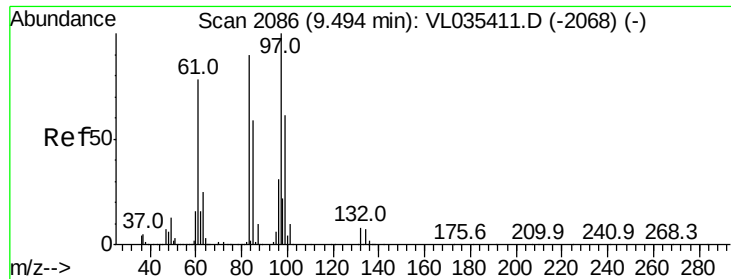
Tgt Ion: 75 Resp: 1574075
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.0 37.6



#46
 cis-1,3-Dichloropropene
 Concen: 6.476 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion: 75 Resp: 1855417
 Ion Ratio Lower Upper
 75 100
 39 40.5 55.8 83.6#
 77 33.5 25.6 38.4





#47

1,1,2-Trichloroethane

Concen: 7.724 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 1619694

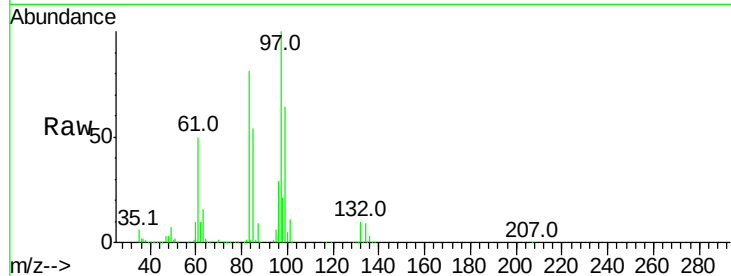
Ion Ratio Lower Upper

97 100

83 81.0 72.1 108.1

85 54.2 46.8 70.2

99 63.9 48.6 73.0

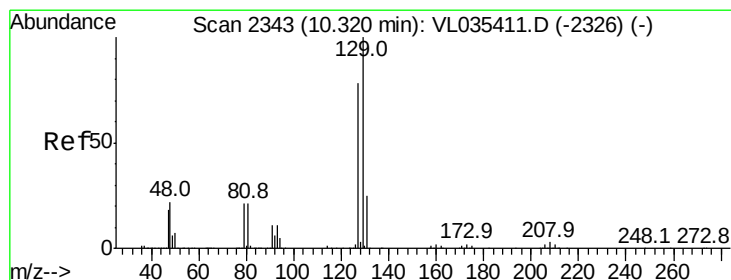
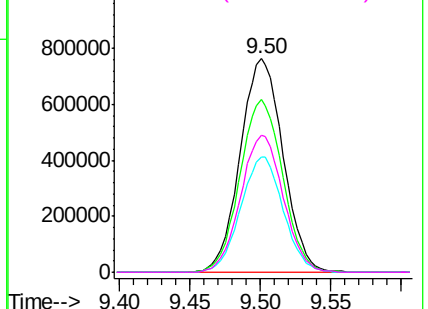
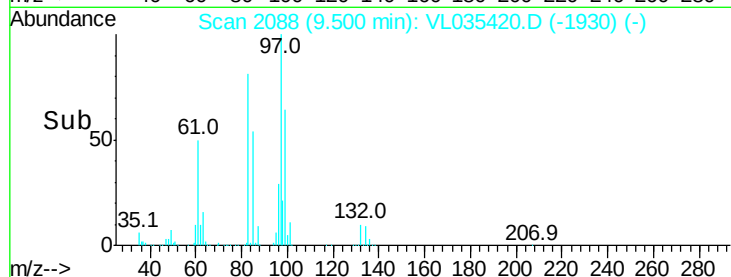


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.845 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. 0.01 min

Lab File: VL035420.D

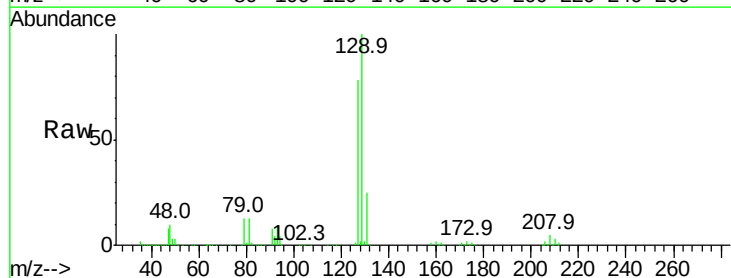
Acq: 17 Aug 2020 14:10

Tgt Ion: 129 Resp: 3006523

Ion Ratio Lower Upper

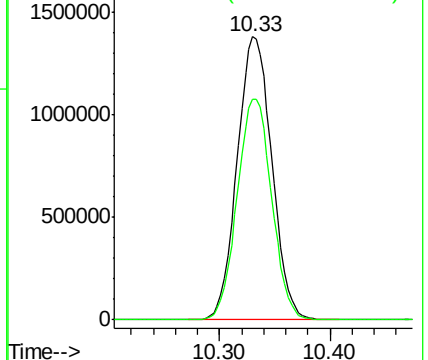
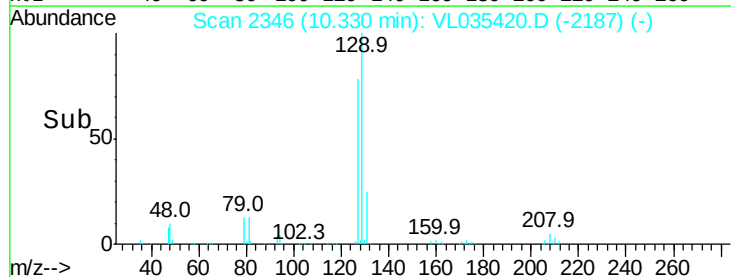
129 100

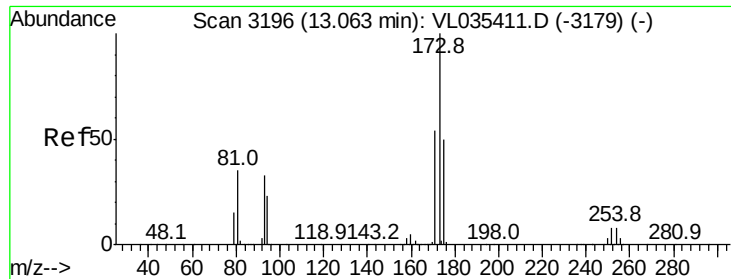
127 77.9 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.557 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

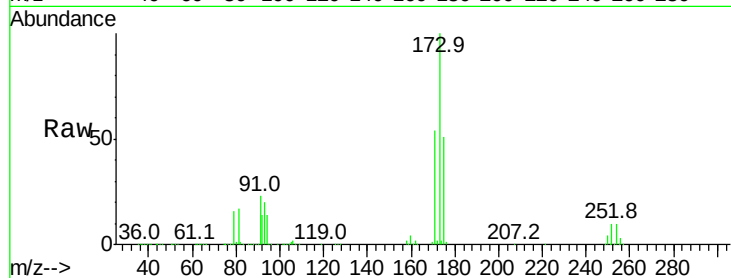
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:173 Resp: 3014697

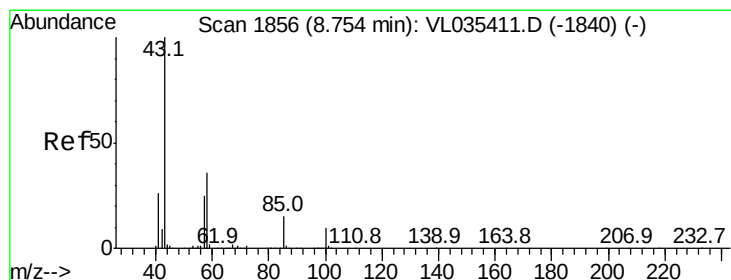
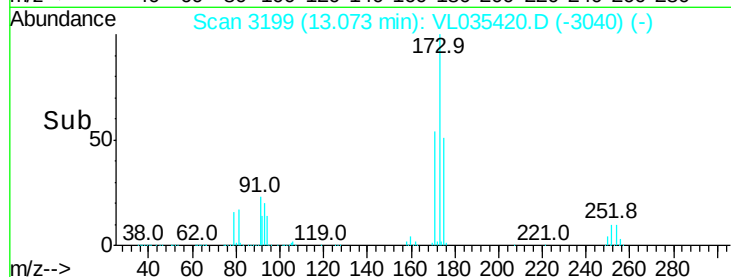
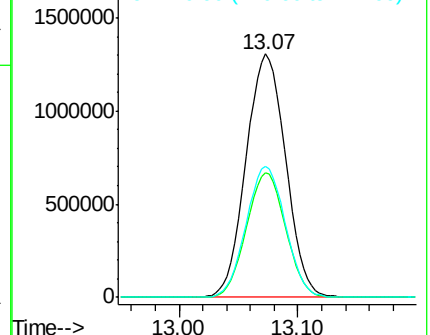
Ion	Ratio	Lower	Upper
173	100		
175	50.7	39.8	59.8
171	53.5	42.4	63.6



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: 3.841 ppbv

RT: 8.76 min Scan# 1859

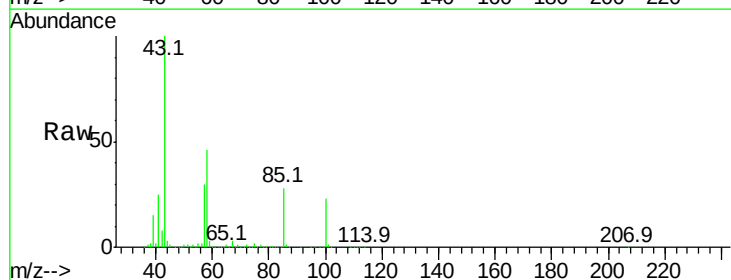
Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

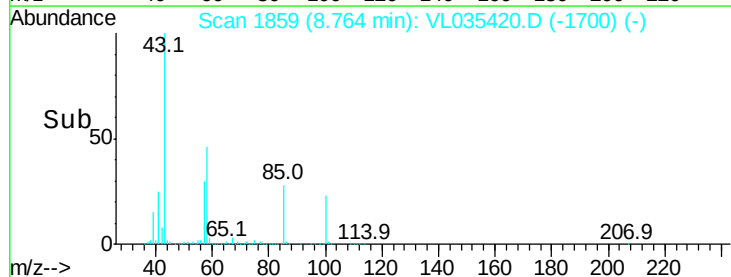
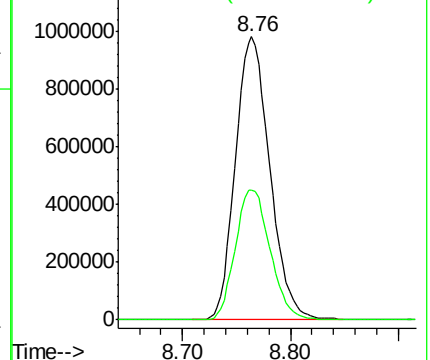
Tgt Ion: 43 Resp: 2185205

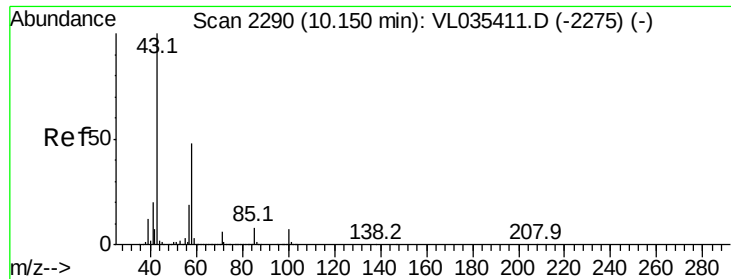
Ion	Ratio	Lower	Upper
43	100		
58	46.5	28.7	43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

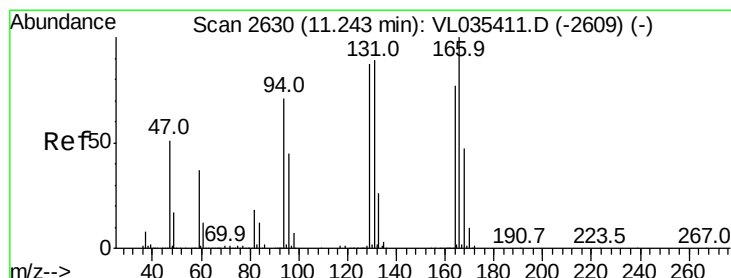
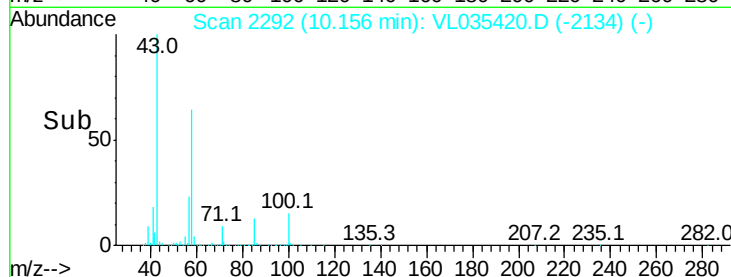
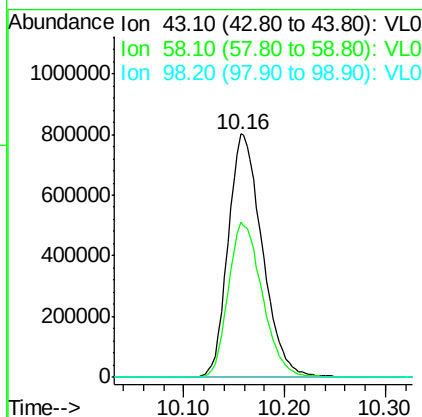
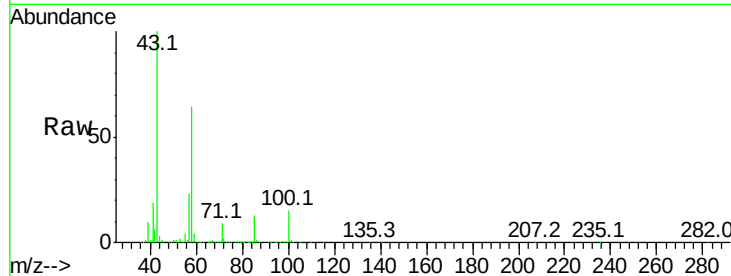




#51
2-Hexanone
Concen: 3.902 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

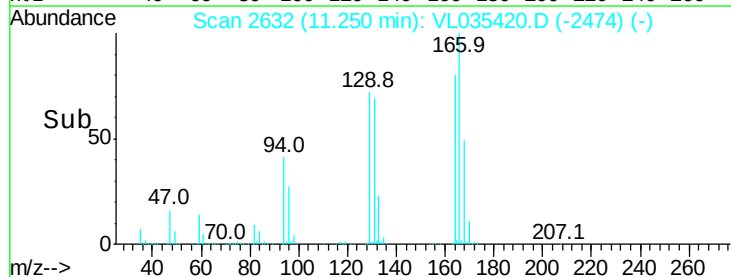
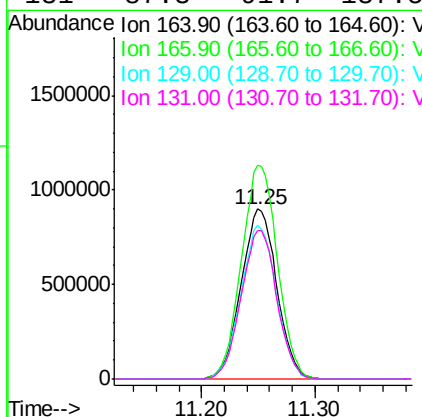
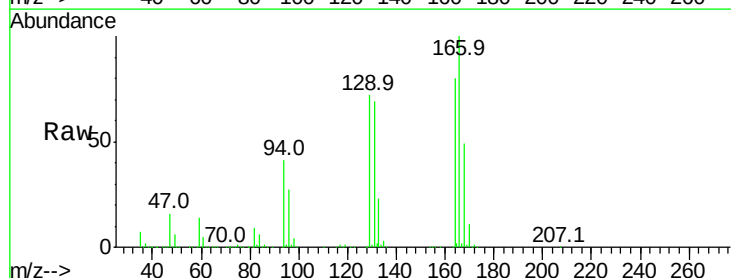
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

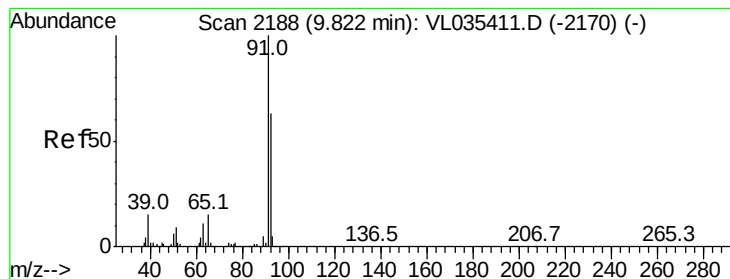
Tgt Ion: 43 Resp: 1884259
Ion Ratio Lower Upper
43 100
58 63.8 38.6 58.0#
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.686 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion: 164 Resp: 1966963
Ion Ratio Lower Upper
164 100
166 125.6 103.4 155.0
129 90.6 90.2 135.4
131 87.3 91.7 137.5#





#53

Toluene

Concen: 7.138 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

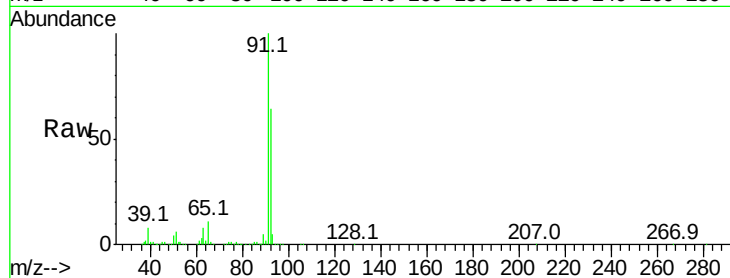
VSTDICCC010

Tgt Ion: 91 Resp: 4206745

Ion Ratio Lower Upper

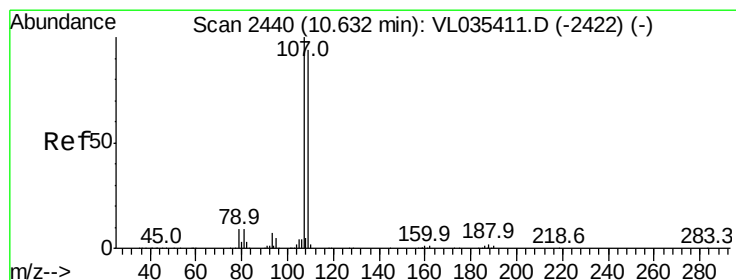
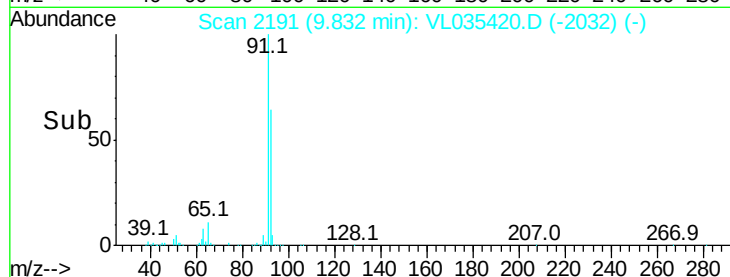
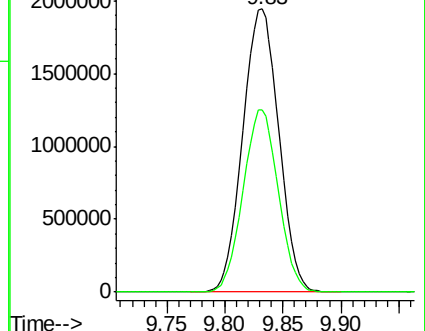
91 100

92 63.0 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 8.136 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035420.D

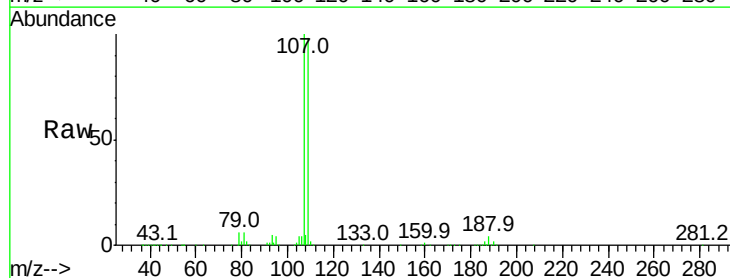
Acq: 17 Aug 2020 14:10

Tgt Ion: 107 Resp: 2633100

Ion Ratio Lower Upper

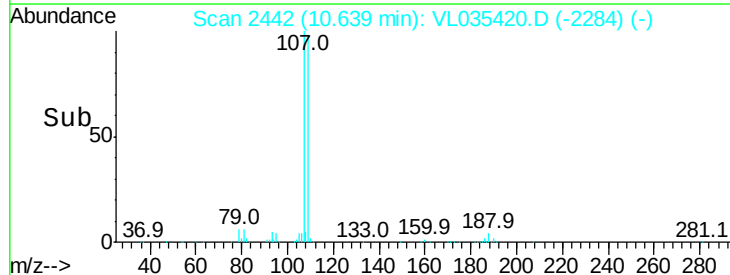
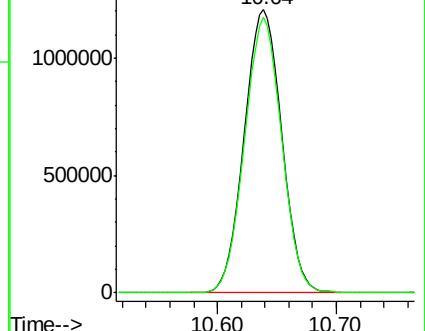
107 100

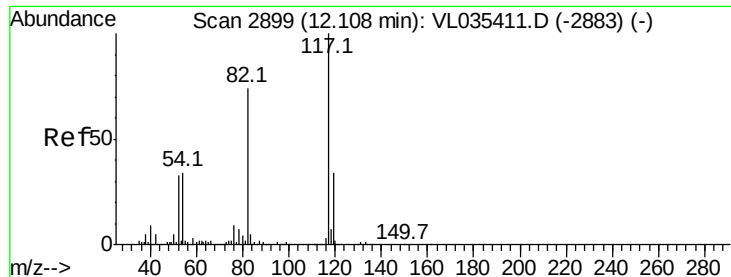
109 97.5 75.1 112.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

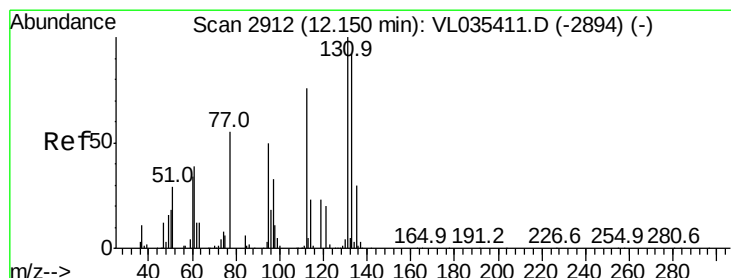
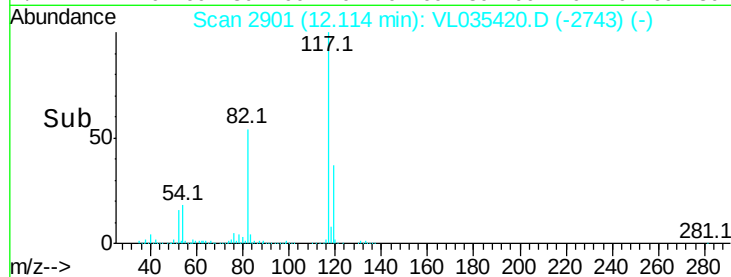
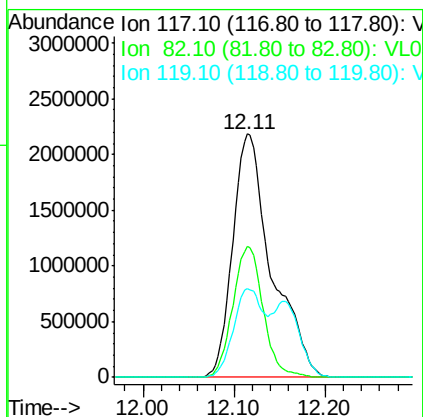
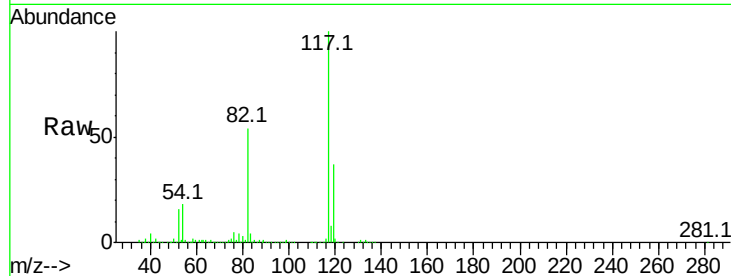




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

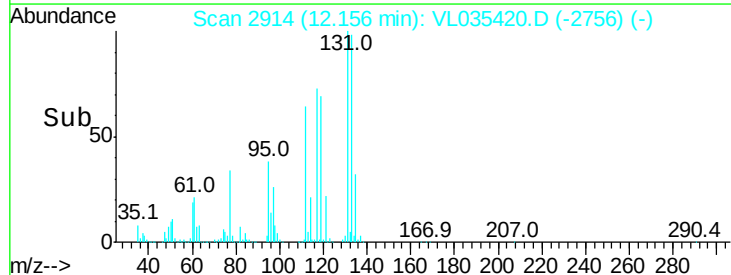
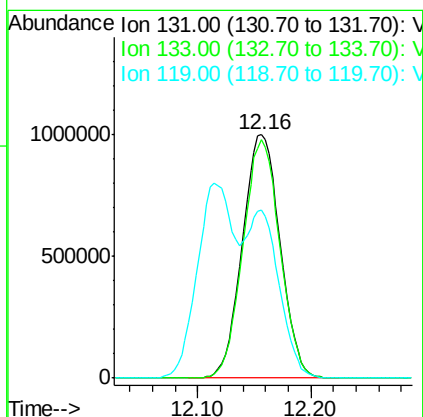
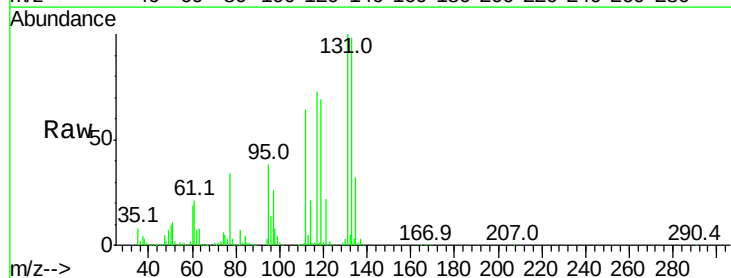
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

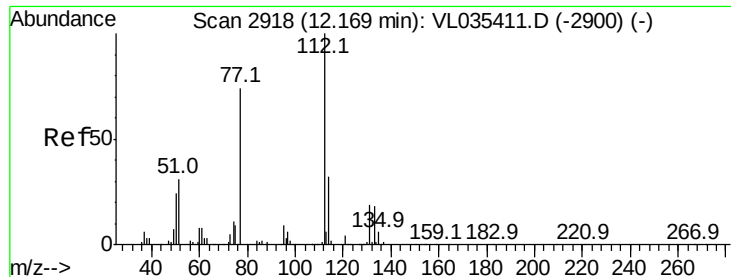
Tgt Ion:117 Resp: 6496455
Ion Ratio Lower Upper
117 100
82 42.1 57.4 86.0#
119 29.7 28.4 42.6



#56
1,1,1,2-Tetrachloroethane
Concen: 7.233 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion:131 Resp: 2312198
Ion Ratio Lower Upper
131 100
133 96.0 76.1 114.1
119 61.7 50.7 76.1

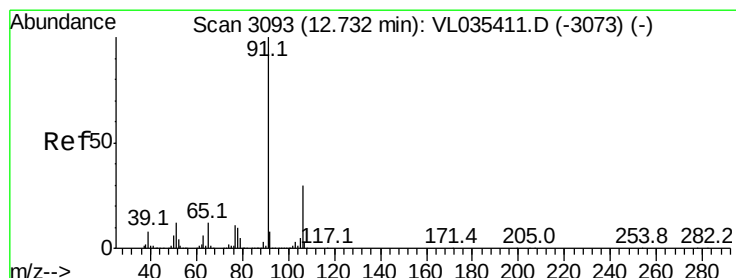
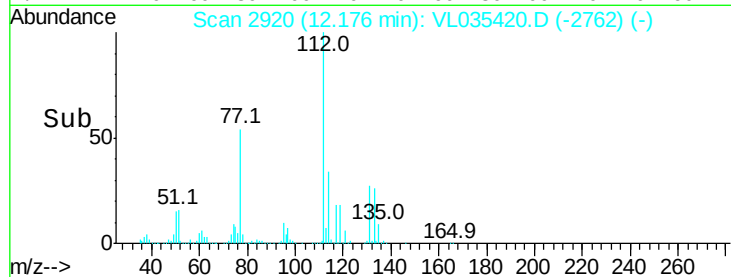
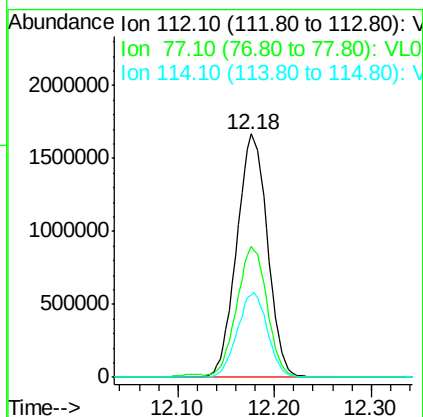
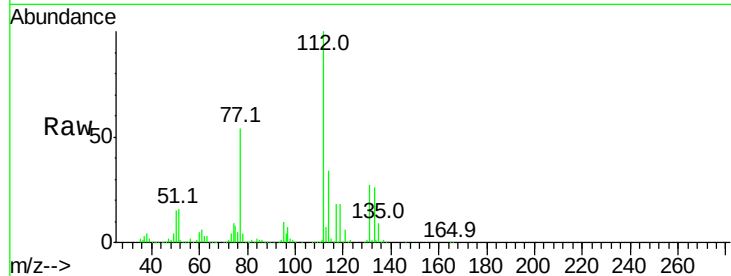




#57
Chlorobenzene
Concen: 6.279 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

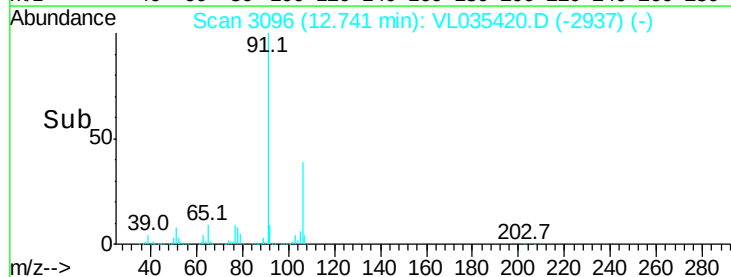
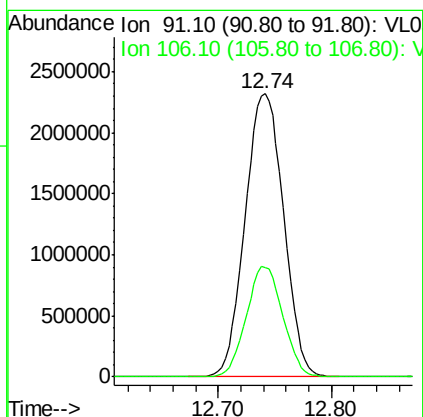
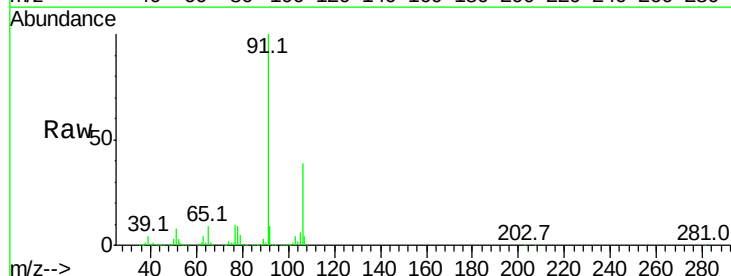
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

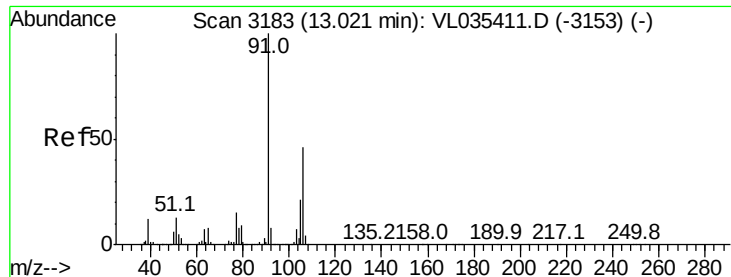
Tgt Ion: 112 Resp: 3683920
Ion Ratio Lower Upper
112 100
77 53.6 60.6 91.0#
114 34.0 28.5 34.9



#58
Ethyl Benzene
Concen: 5.100 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion: 91 Resp: 5485078
Ion Ratio Lower Upper
91 100
106 38.6 24.1 36.1#





#59

m/p-Xylene

Concen: 5.134 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

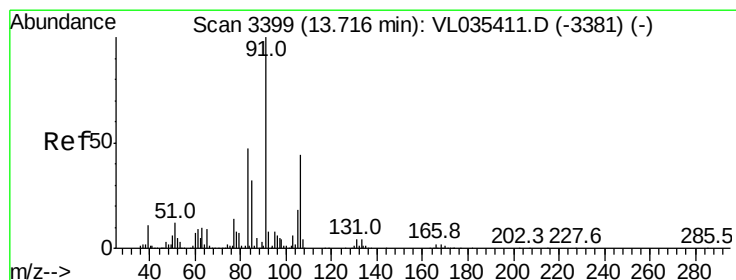
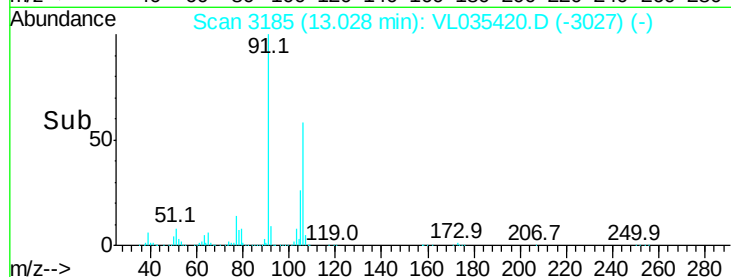
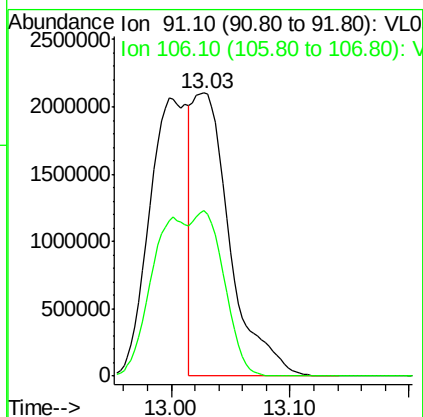
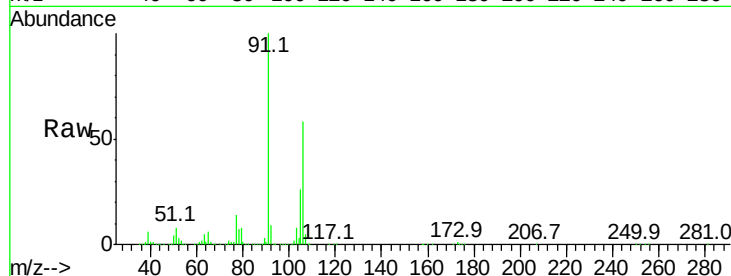
VSTDICCC010

Tgt Ion: 91 Resp: 4607009

Ion Ratio Lower Upper

91 100

106 105.2 34.0 51.0#



#60

o-Xylene

Concen: 5.065 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL035420.D

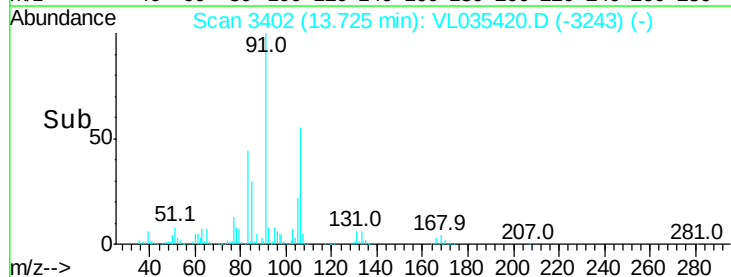
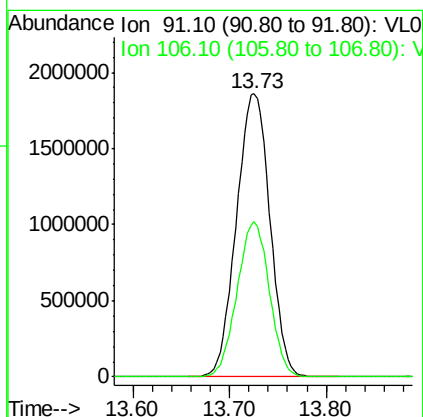
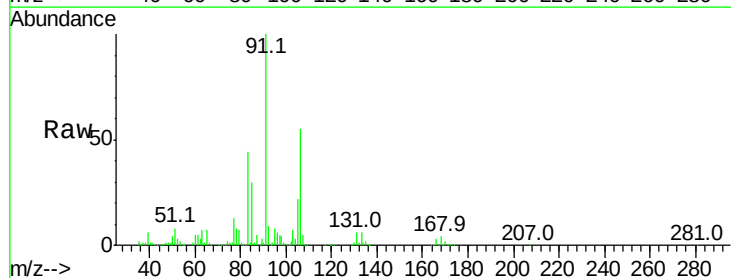
Acq: 17 Aug 2020 14:10

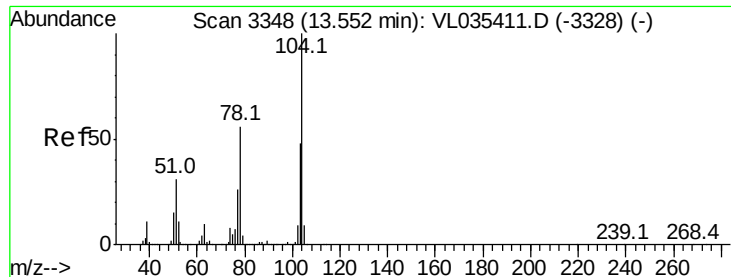
Tgt Ion: 91 Resp: 4472531

Ion Ratio Lower Upper

91 100

106 52.9 21.8 65.3





#61

Styrene

Concen: 6.381 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

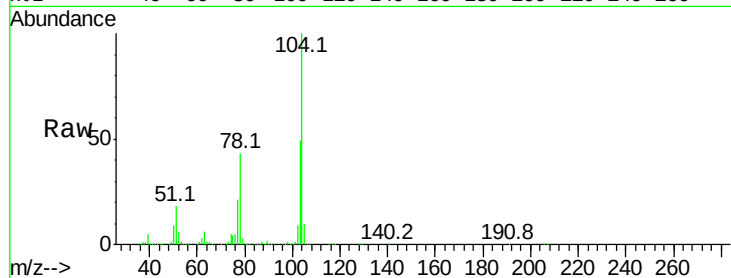
Tgt Ion:104 Resp: 3848174

Ion Ratio Lower Upper

104 100

78 42.4 45.4 68.2#

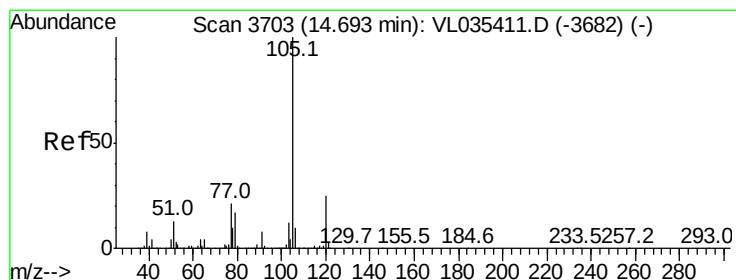
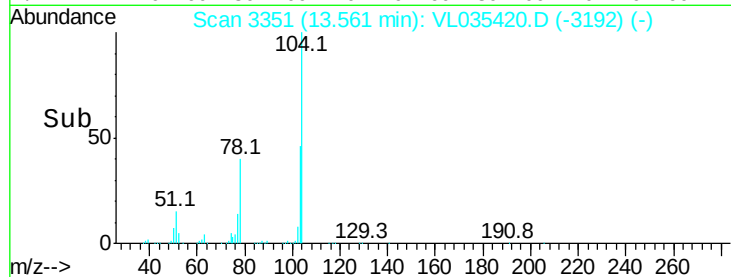
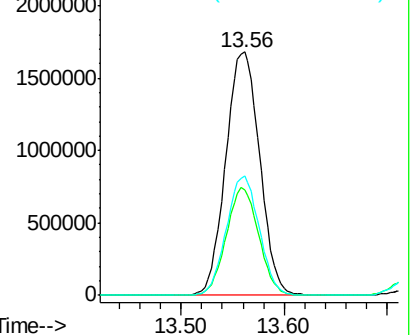
103 47.5 37.8 56.8



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: 5.385 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035420.D

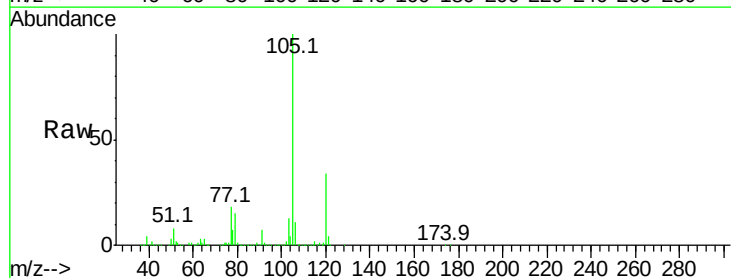
Acq: 17 Aug 2020 14:10

Tgt Ion:105 Resp: 7016744

Ion Ratio Lower Upper

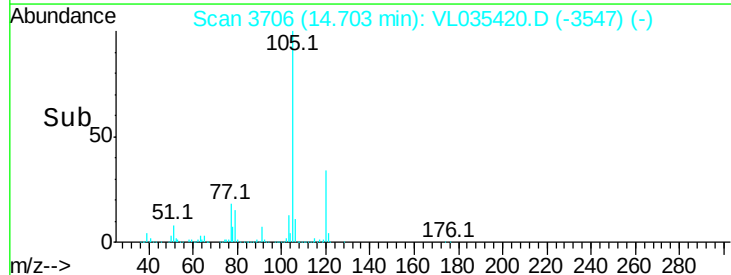
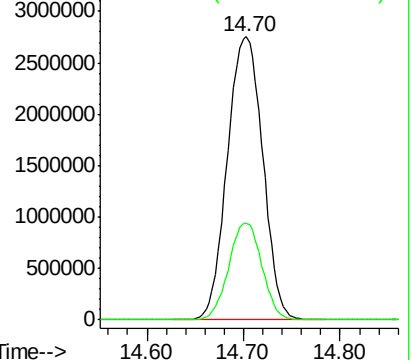
105 100

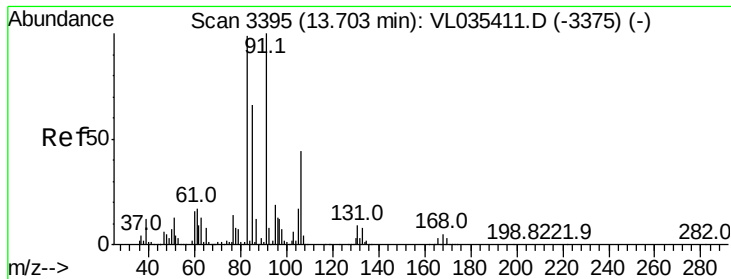
120 32.1 20.3 30.5#



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: 4.521 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

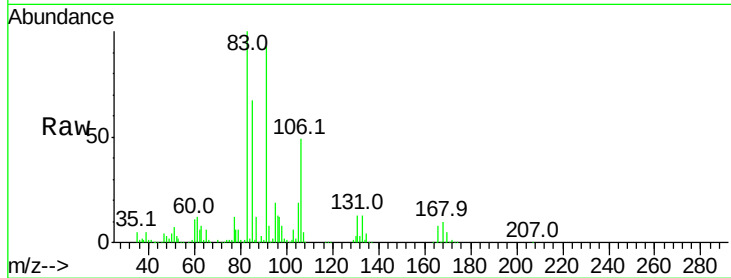
Tgt Ion: 83 Resp: 3097589

Ion Ratio Lower Upper

83 100

131 12.9 4.5 13.4

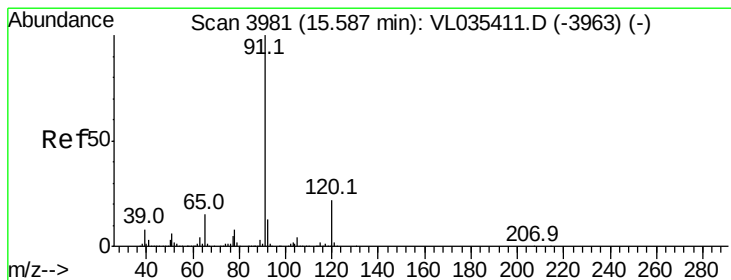
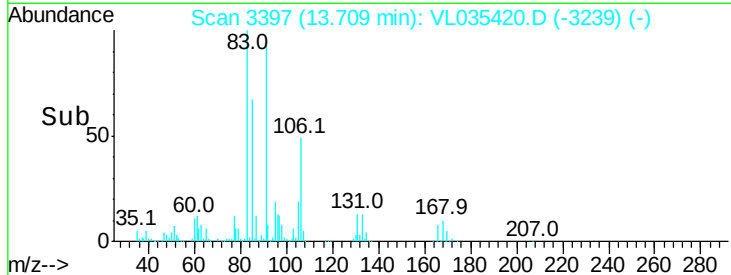
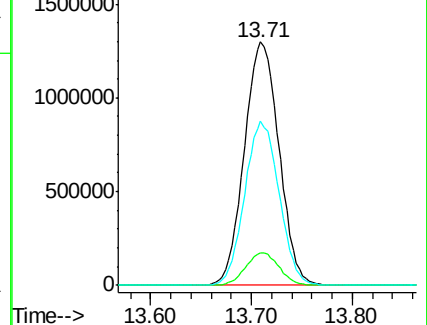
85 66.9 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.045 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.01 min

Lab File: VL035420.D

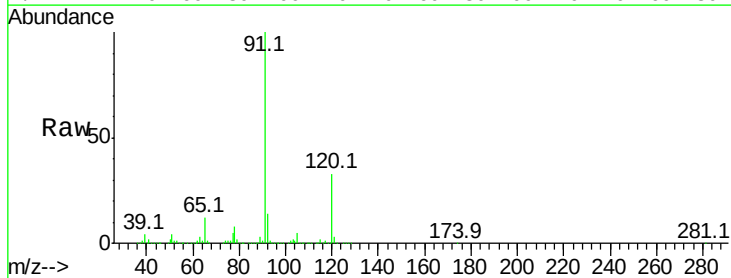
Acq: 17 Aug 2020 14:10

Tgt Ion: 120 Resp: 2327422

Ion Ratio Lower Upper

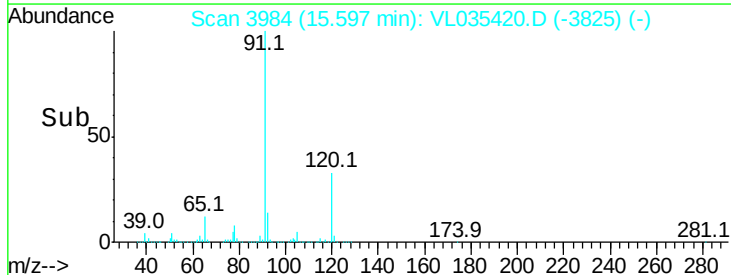
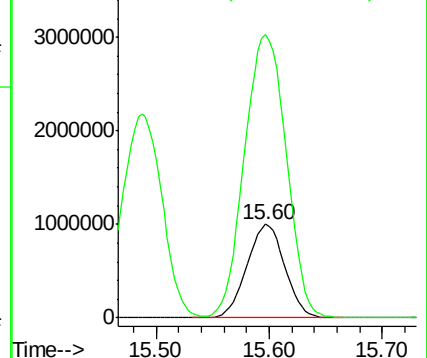
120 100

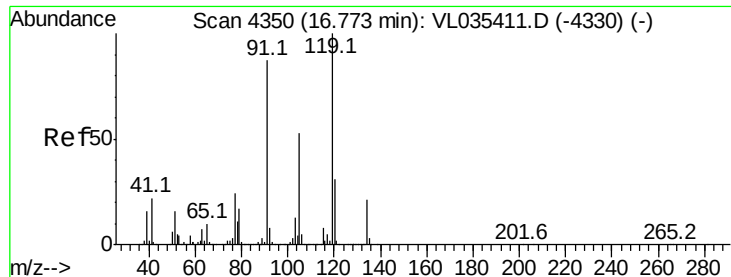
91 335.7 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.129 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

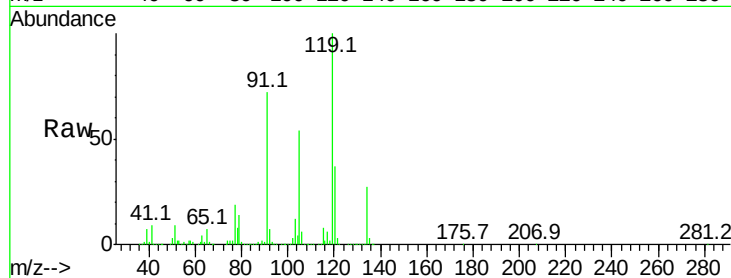
Tgt Ion:119 Resp: 6842416

Ion Ratio Lower Upper

119 100

91 70.5 72.0 108.0#

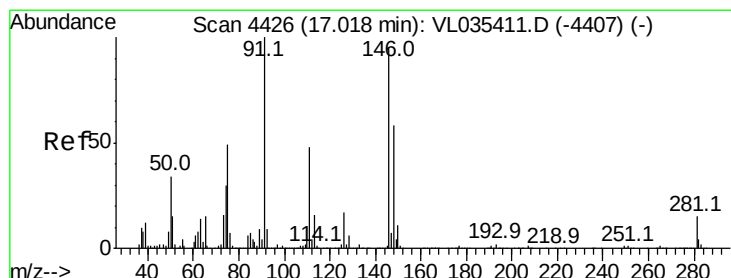
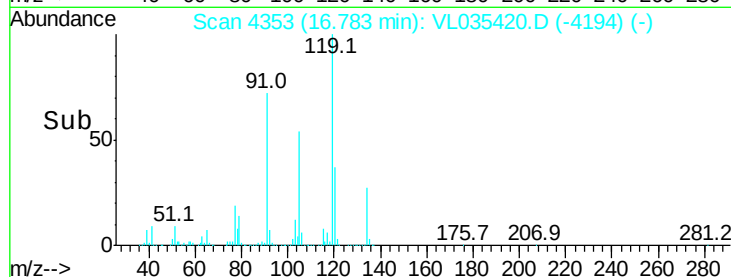
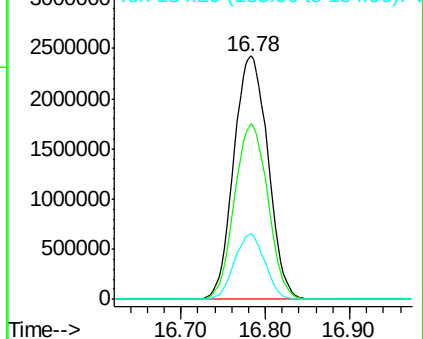
134 24.1 15.7 23.5#



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: 6.538 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

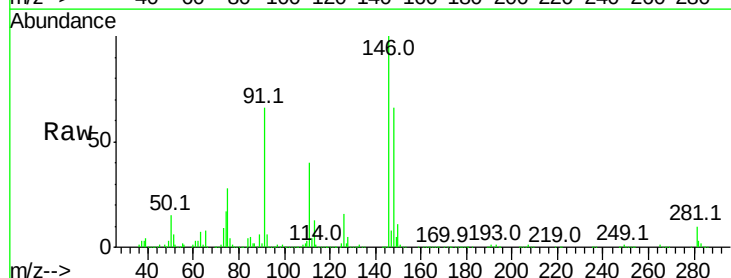
Tgt Ion: 91 Resp: 2390521

Ion Ratio Lower Upper

91 100

126 22.7 13.3 19.9#

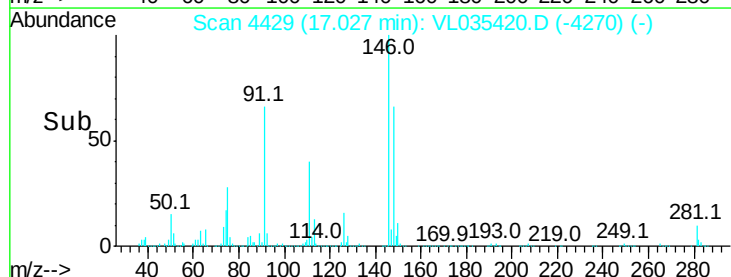
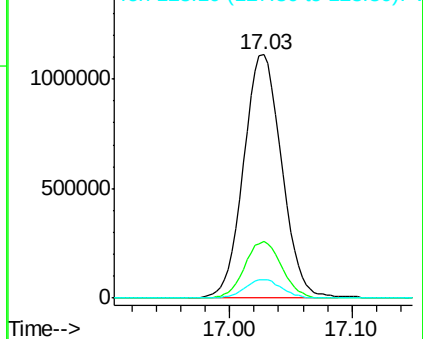
128 7.4 4.1 6.1#

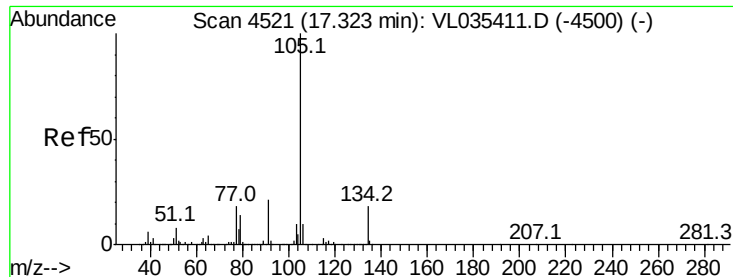


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 5.267 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

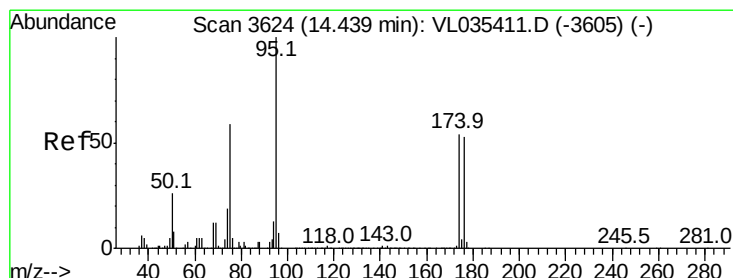
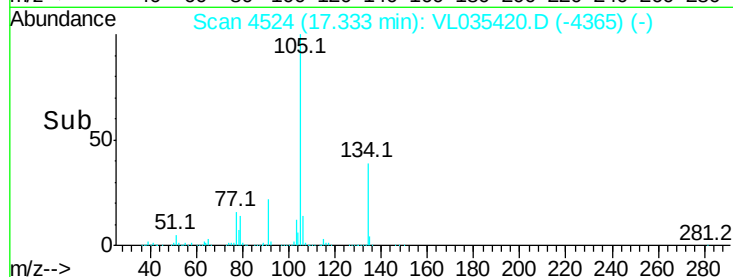
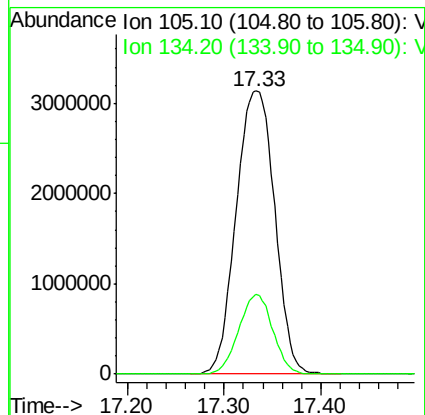
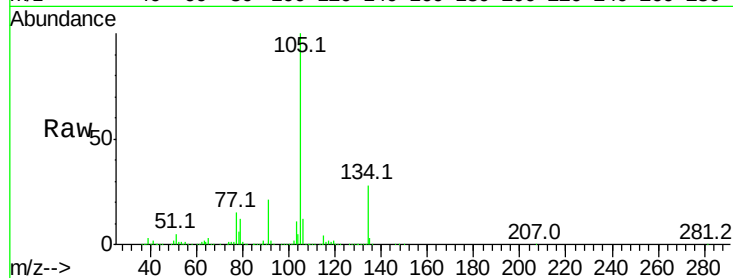
VSTDICCC010

Tgt Ion:105 Resp: 8683690

Ion Ratio Lower Upper

105 100

134 25.0 14.1 21.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 6.722 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

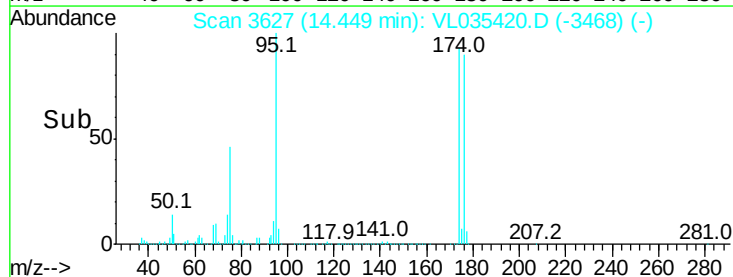
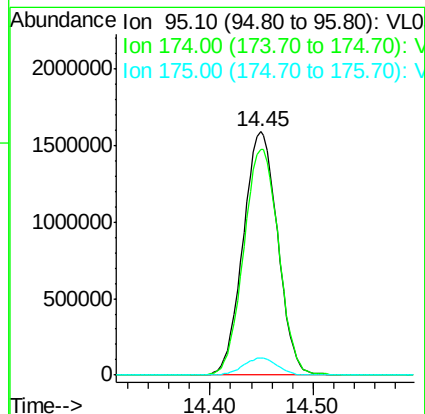
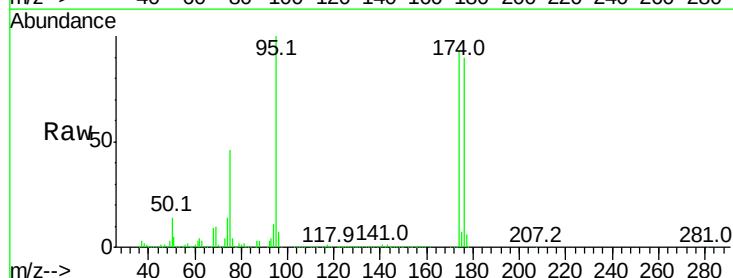
Tgt Ion: 95 Resp: 3698153

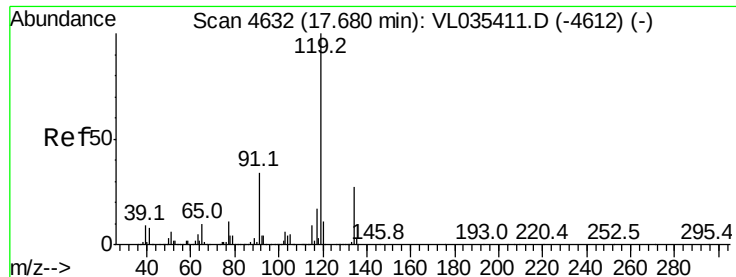
Ion Ratio Lower Upper

95 100

174 94.4 44.0 66.0#

175 7.1 3.2 4.8#

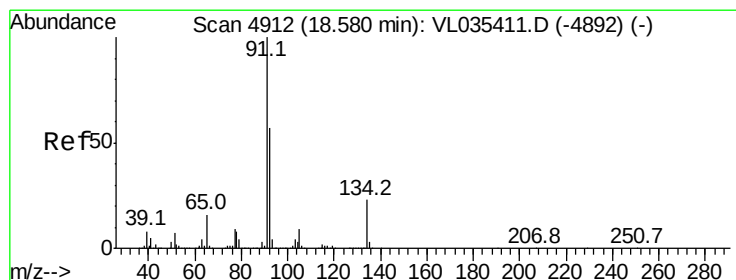
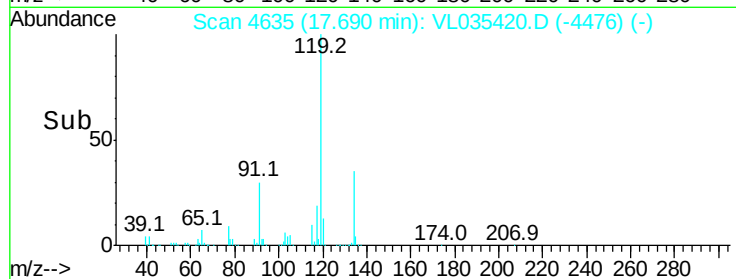
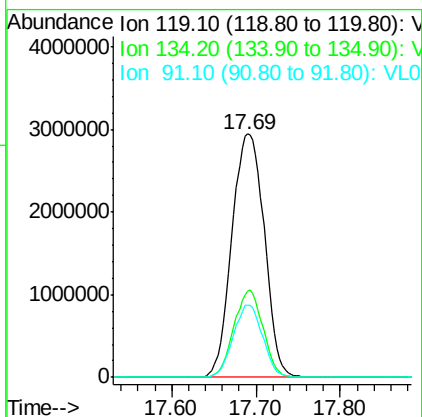
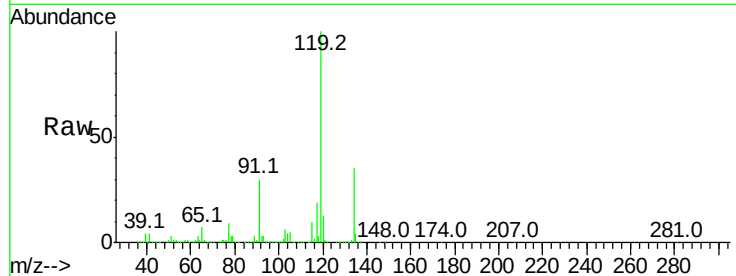




#69
 p-Isopropyltoluene
 Concen: 5.865 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

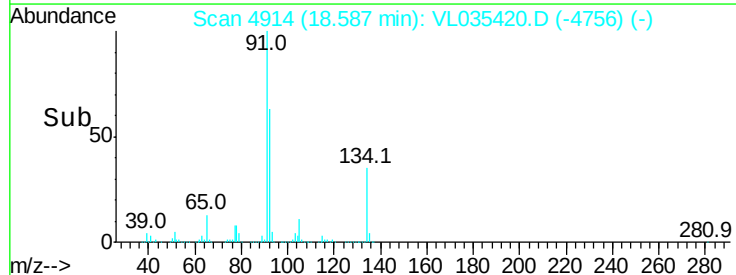
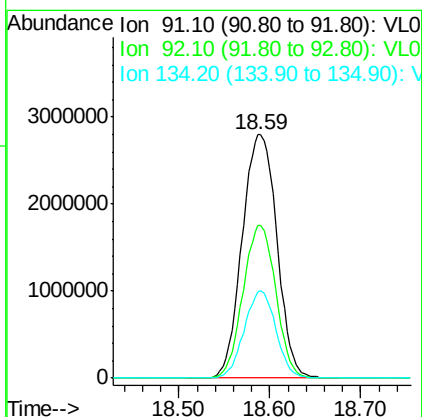
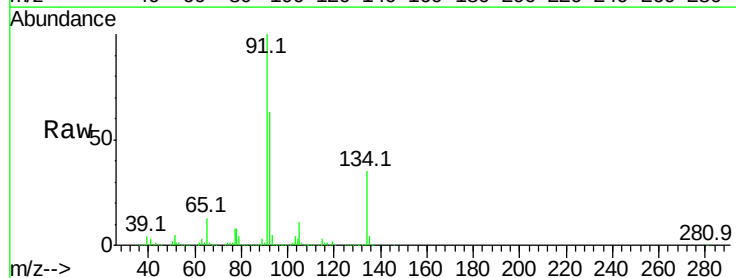
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

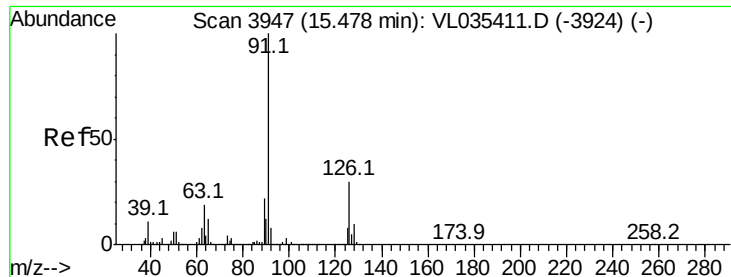
Tgt Ion: 119 Resp: 7872709
 Ion Ratio Lower Upper
 119 100
 134 32.3 20.6 30.8#
 91 27.1 26.6 39.8



#70
 n-Butylbenzene
 Concen: 4.711 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion: 91 Resp: 7392881
 Ion Ratio Lower Upper
 91 100
 92 59.3 44.8 67.2
 134 32.8 17.3 25.9#





#71

2-Chlorotoluene

Concen: 4.986 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

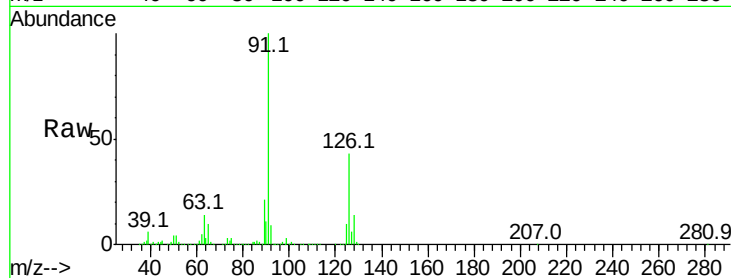
VSTDICCC010

Tgt Ion: 91 Resp: 5315618

Ion Ratio Lower Upper

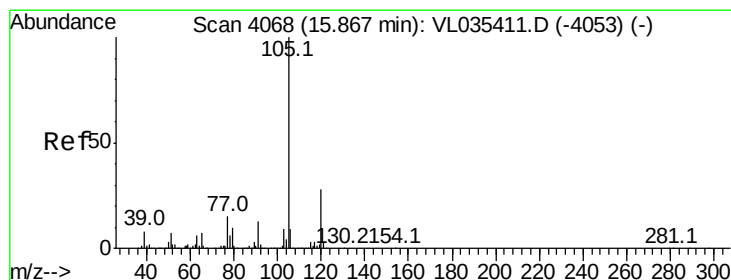
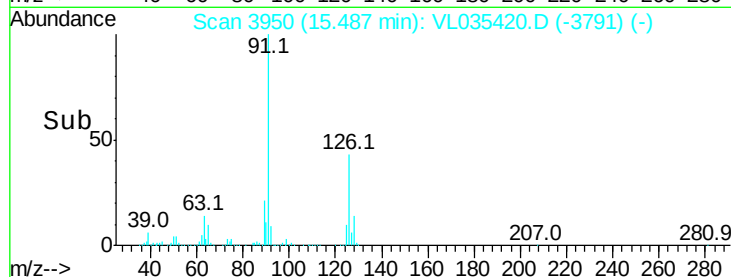
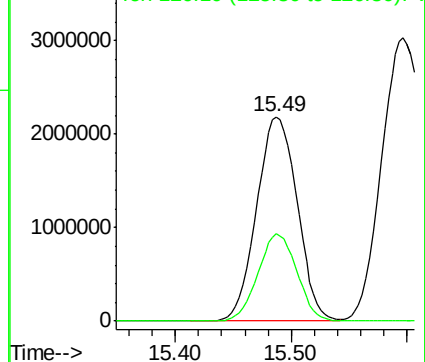
91 100

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: 5.674 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion: 105 Resp: 5870645

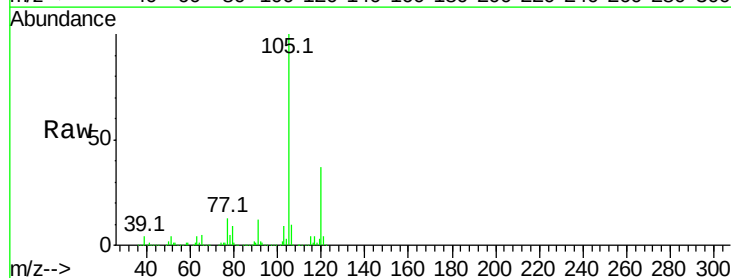
Ion Ratio Lower Upper

105 100

120 35.2 22.7 34.1#

91 11.9 10.8 16.2

77 11.6 11.9 17.9#

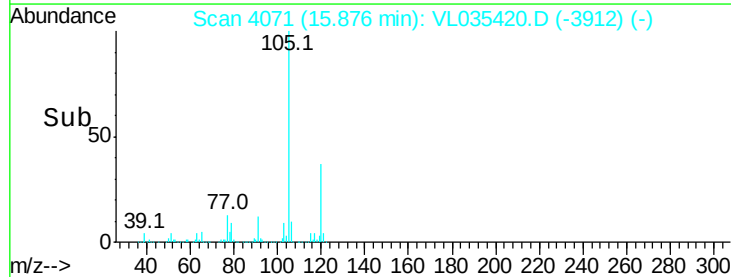
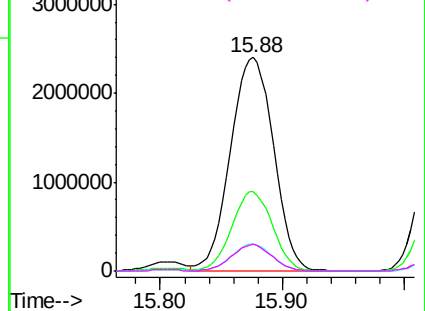


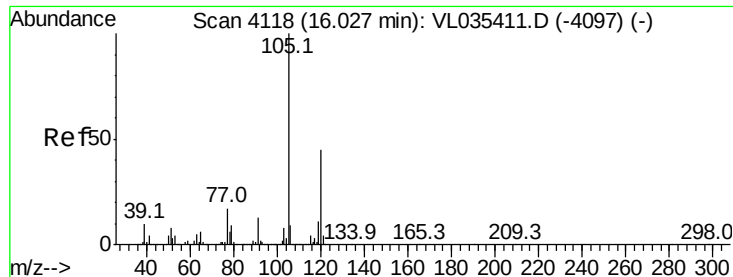
Abundance Ion 105.10 (104.80 to 105.80): V

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: 5.572 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

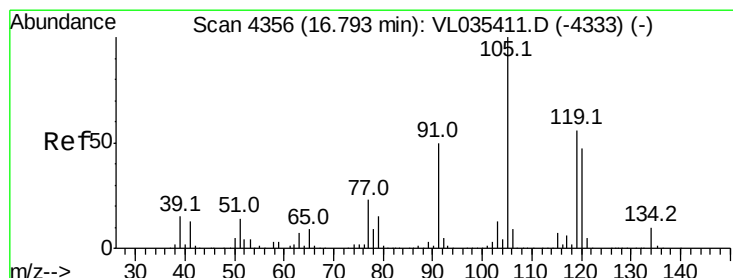
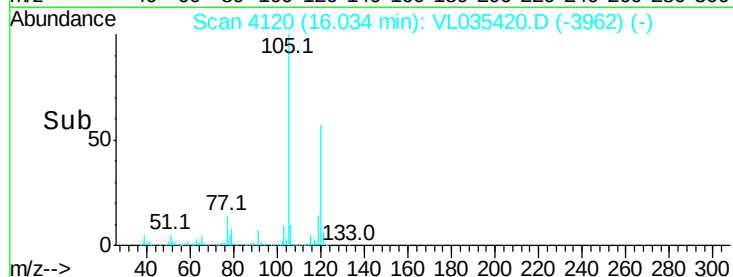
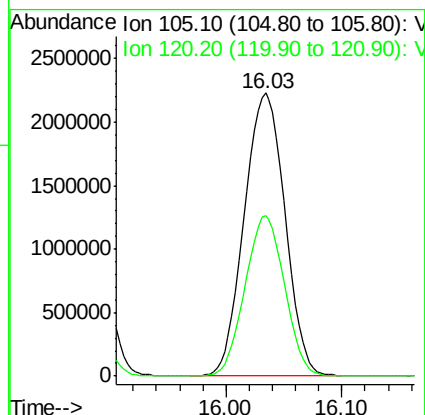
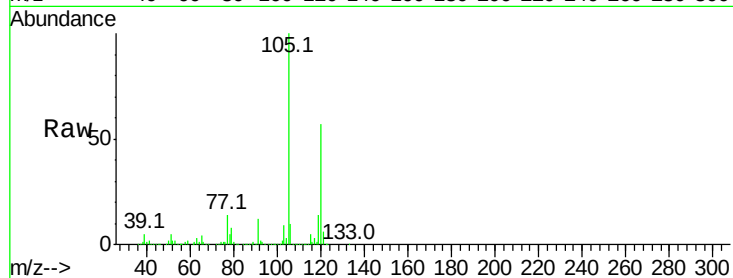
VSTDICCC010

Tgt Ion:105 Resp: 5441923

Ion Ratio Lower Upper

105 100

120 56.6 35.6 53.4#



#74

1,2,4-Trimethylbenzene

Concen: 5.416 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion:105 Resp: 5664695

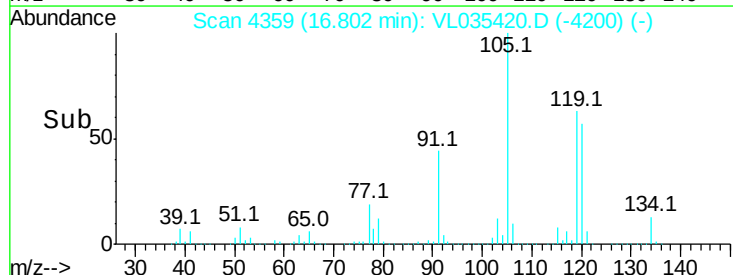
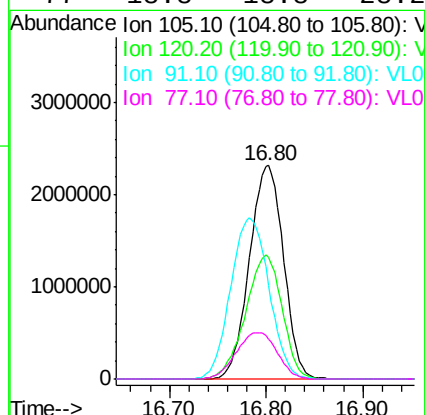
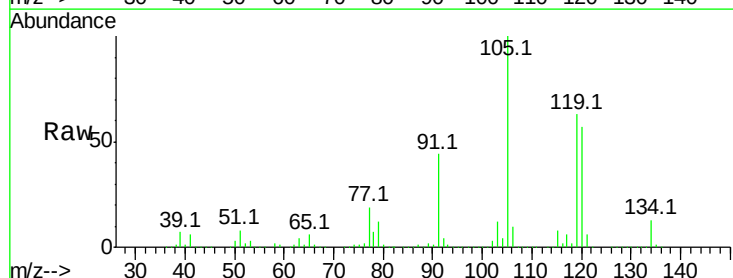
Ion Ratio Lower Upper

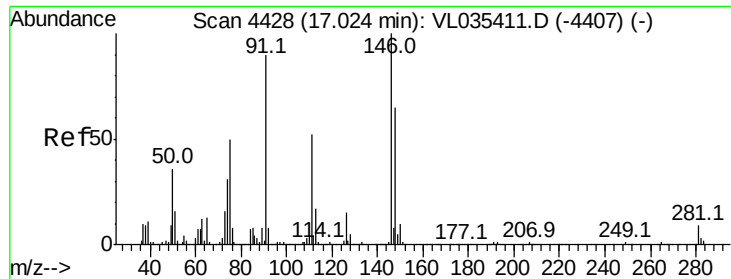
105 100

120 56.7 37.8 56.8

91 44.0 40.0 60.0

77 18.8 18.8 28.2#





#75

1,3-Dichlorobenzene

Concen: 7.716 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

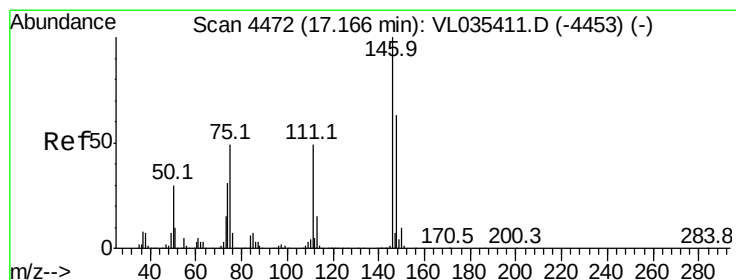
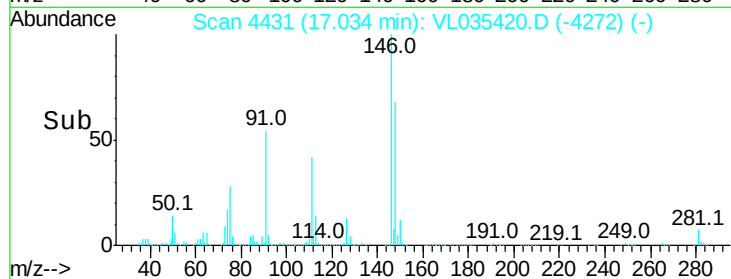
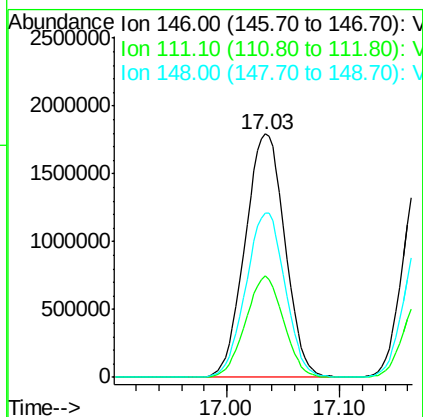
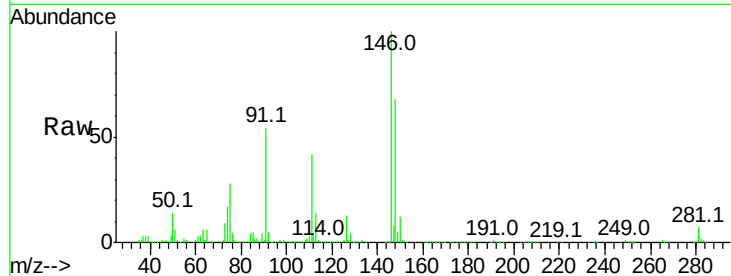
Tgt Ion:146 Resp: 4392344

Ion Ratio Lower Upper

146 100

111 39.7 25.6 76.8

148 66.7 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 7.611 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

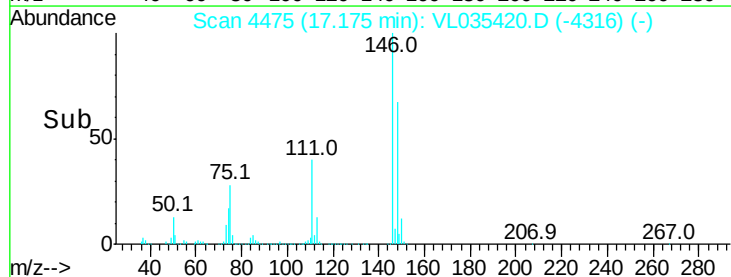
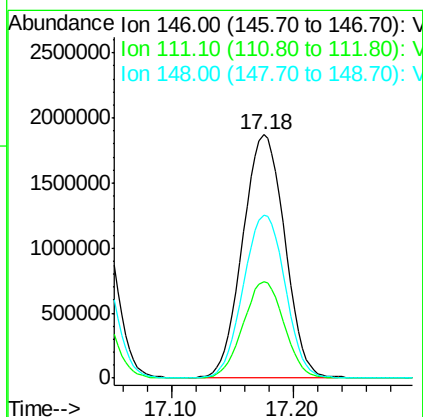
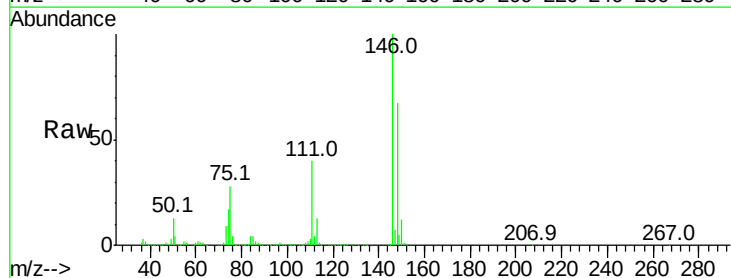
Tgt Ion:146 Resp: 4443348

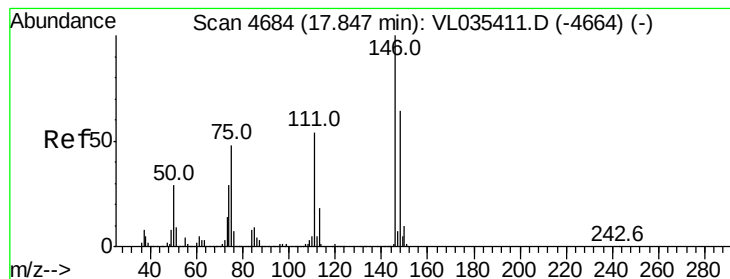
Ion Ratio Lower Upper

146 100

111 38.6 24.8 74.4

148 67.2 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 7.600 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

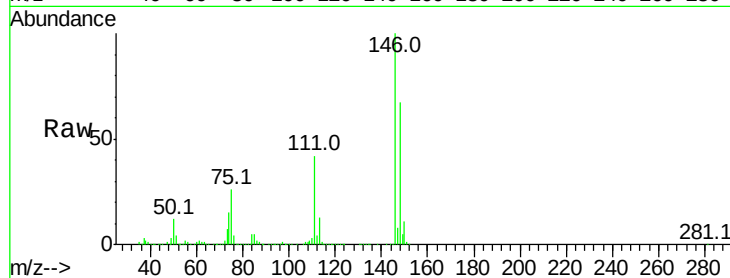
Tgt Ion:146 Resp: 4359369

Ion Ratio Lower Upper

146 100

111 40.7 26.3 78.9

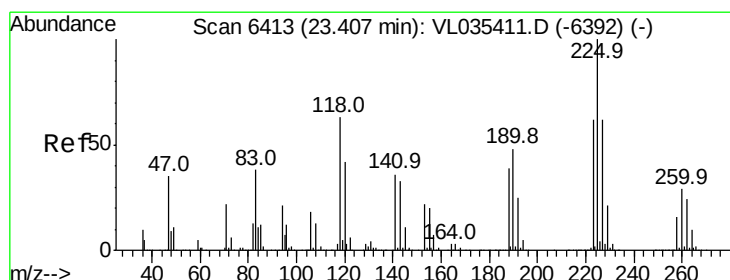
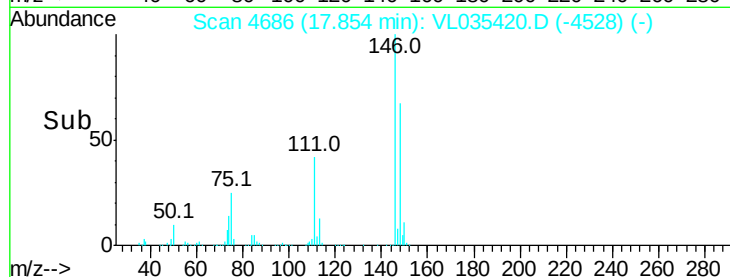
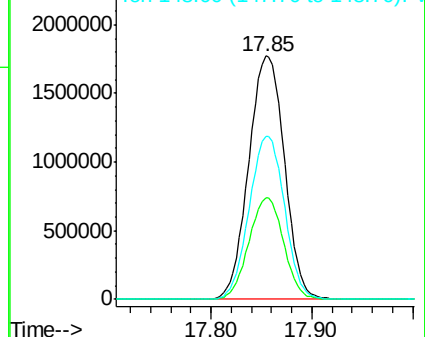
148 66.2 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.578 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

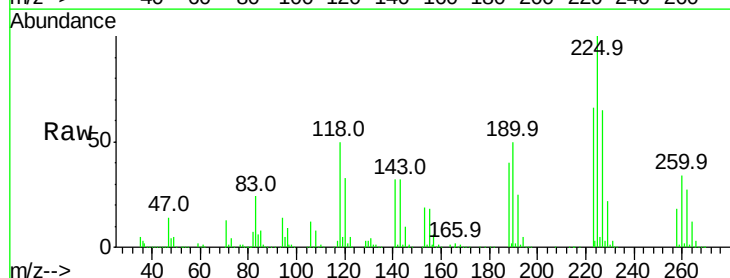
Tgt Ion:225 Resp: 3338344

Ion Ratio Lower Upper

225 100

223 64.6 50.3 75.5

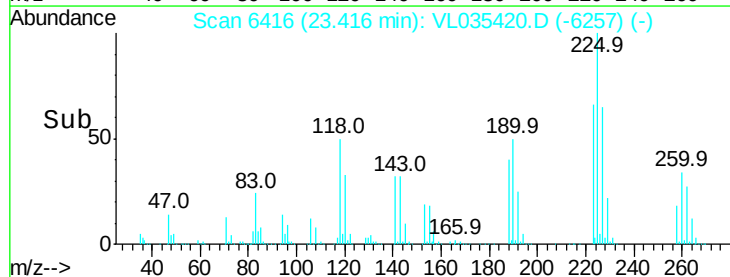
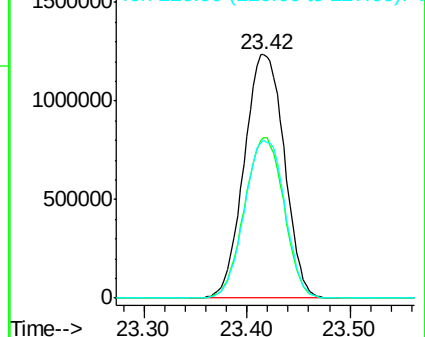
227 64.9 51.0 76.6

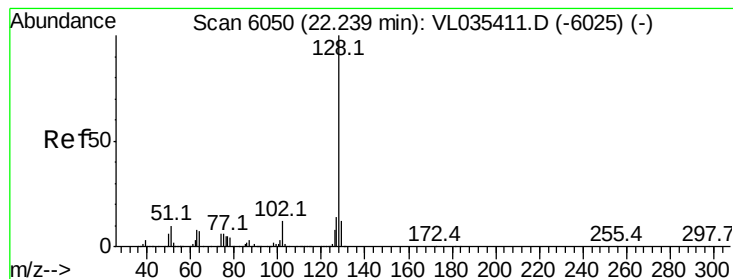


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.734 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

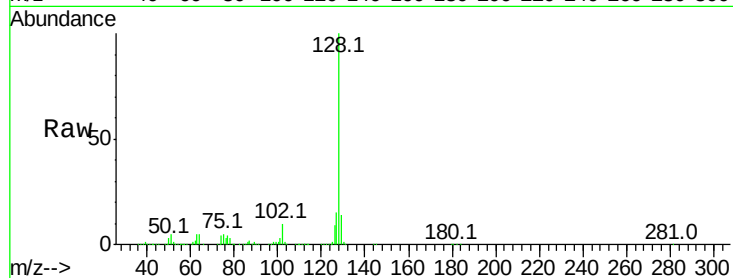
Tgt Ion:128 Resp: 8221225

Ion Ratio Lower Upper

128 100

127 15.0 11.4 17.0

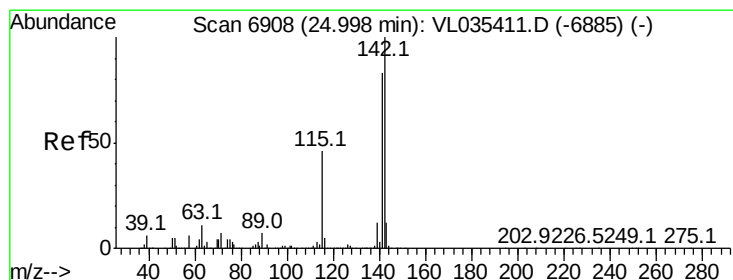
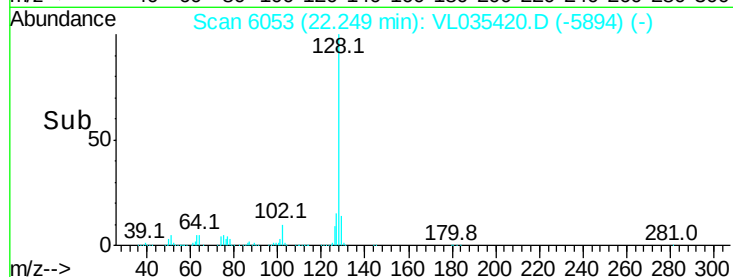
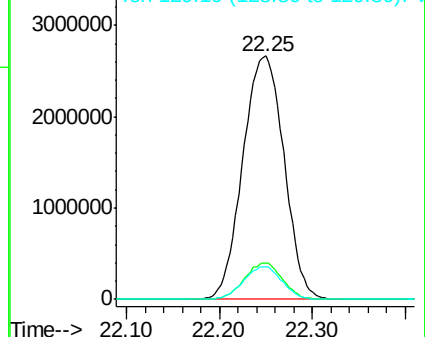
129 13.6 9.5 14.3



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: 7.979 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

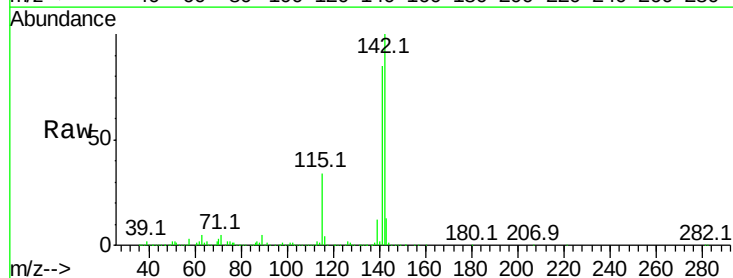
Tgt Ion:142 Resp: 4064605

Ion Ratio Lower Upper

142 100

141 84.9 67.1 100.7

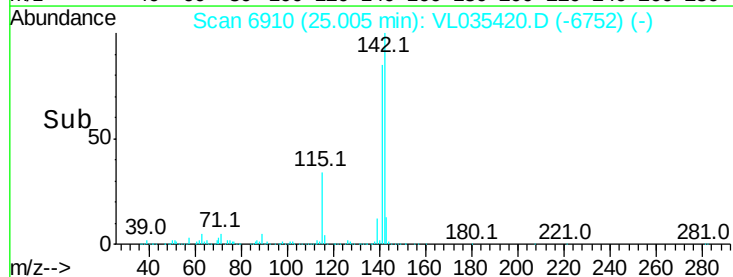
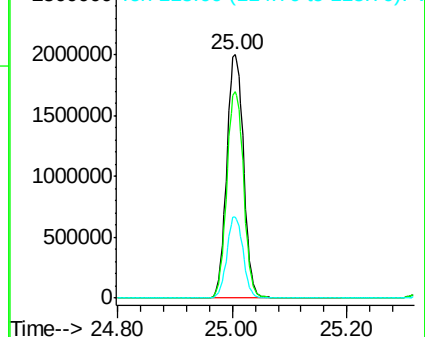
115 32.2 36.1 54.1#

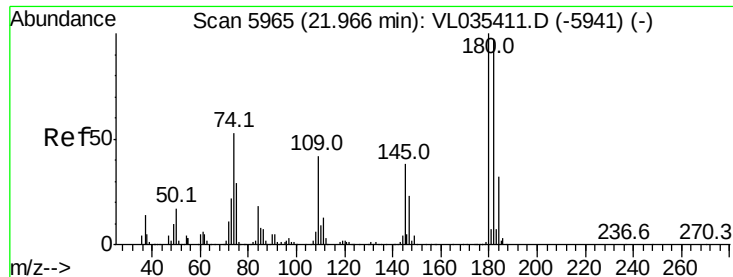


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.572 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 4960539
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 32.2 24.8 37.2

