

Data File : VL035489.D
Acq On : 21 Aug 2020 8:07
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Aug 21 08:57:09 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	5.67	49	1040770	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4837642	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	6392598	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3407448	7.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1815015	9.409	ppbv	99
3) Chlorodifluoromethane	2.98	51	1439391	11.030	ppbv	92
4) Chloromethane	3.14	50	782140	11.505	ppbv	98
5) Vinyl Chloride	3.25	62	940988	11.582	ppbv	94
6) Bromomethane	3.47	94	838002	11.793	ppbv	99
7) Chloroethane	3.56	64	356215	11.901	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2614472	10.585	ppbv #	66
9) Propene	3.01	41	572135	10.908	ppbv	100
10) Heptane	8.14	43	1509467	10.976	ppbv #	78
11) Trichlorofluoromethane	3.95	101	3068431	10.138	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2360329	10.465	ppbv	87
13) Ethanol	3.61	45	152214	7.921	ppbv	100
14) Bromoethene	3.74	108	1139427	11.431	ppbv #	95
15) Acetone	3.85	43	1204999	10.059	ppbv #	81
16) 1,3-Butadiene	3.32	39	561532	11.559	ppbv #	64
17) tert-Butyl alcohol	4.29	59	1909582	12.333	ppbv	98
18) 1,1-Dichloroethene	4.29	96	1128154	11.328	ppbv #	61
19) Isopropyl Alcohol	3.97	45	972061	11.773	ppbv #	98
20) Methylene Chloride	4.35	84	919673	9.515	ppbv #	64
21) Allyl Chloride	4.41	41	753657	12.381	ppbv #	83
22) trans-1,2-Dichloroethene	4.89	96	1173523	11.042	ppbv #	65
23) Vinyl Acetate	5.08	43	1963856	11.468	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	1917466	11.220	ppbv #	93
25) Ethyl Acetate	5.68	43	2503193	10.738	ppbv #	92
26) Hexane	5.69	57	1436812	10.922	ppbv #	74
27) Carbon Disulfide	4.55	76	2341396	12.313	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	2769847	11.526	ppbv	92
29) Chloroform	5.76	83	2923084	11.059	ppbv	96
30) Cyclohexane	7.14	84	1695263	11.616	ppbv #	59
31) cis-1,2-Dichloroethene	5.56	61	1578296	11.408	ppbv #	62
32) 1,1,1-Trichloroethane	6.52	97	2970142	11.991	ppbv #	89
34) 2-Butanone	5.25	43	1728830	10.696	ppbv #	70
35) Carbon Tetrachloride	7.03	117	3078729	11.966	ppbv	100
36) Benzene	6.90	78	3843996	10.827	ppbv #	93
37) 1,2-Dichloroethane	6.32	62	1783086	10.989	ppbv #	89
38) Trichloroethene	7.85	130	2073594	10.499	ppbv #	85
39) 1,2-Dichloropropane	7.63	63	1284339	10.975	ppbv #	83
40) 1,4-Dioxane	7.84	88	731632	11.478	ppbv #	14
41) Tetrahydrofuran	6.05	42	991737	11.124	ppbv #	57
42) Bromodichloromethane	7.81	83	3096825	11.405	ppbv #	99
43) Methyl Methacrylate	8.03	69	1606419	11.569	ppbv #	57

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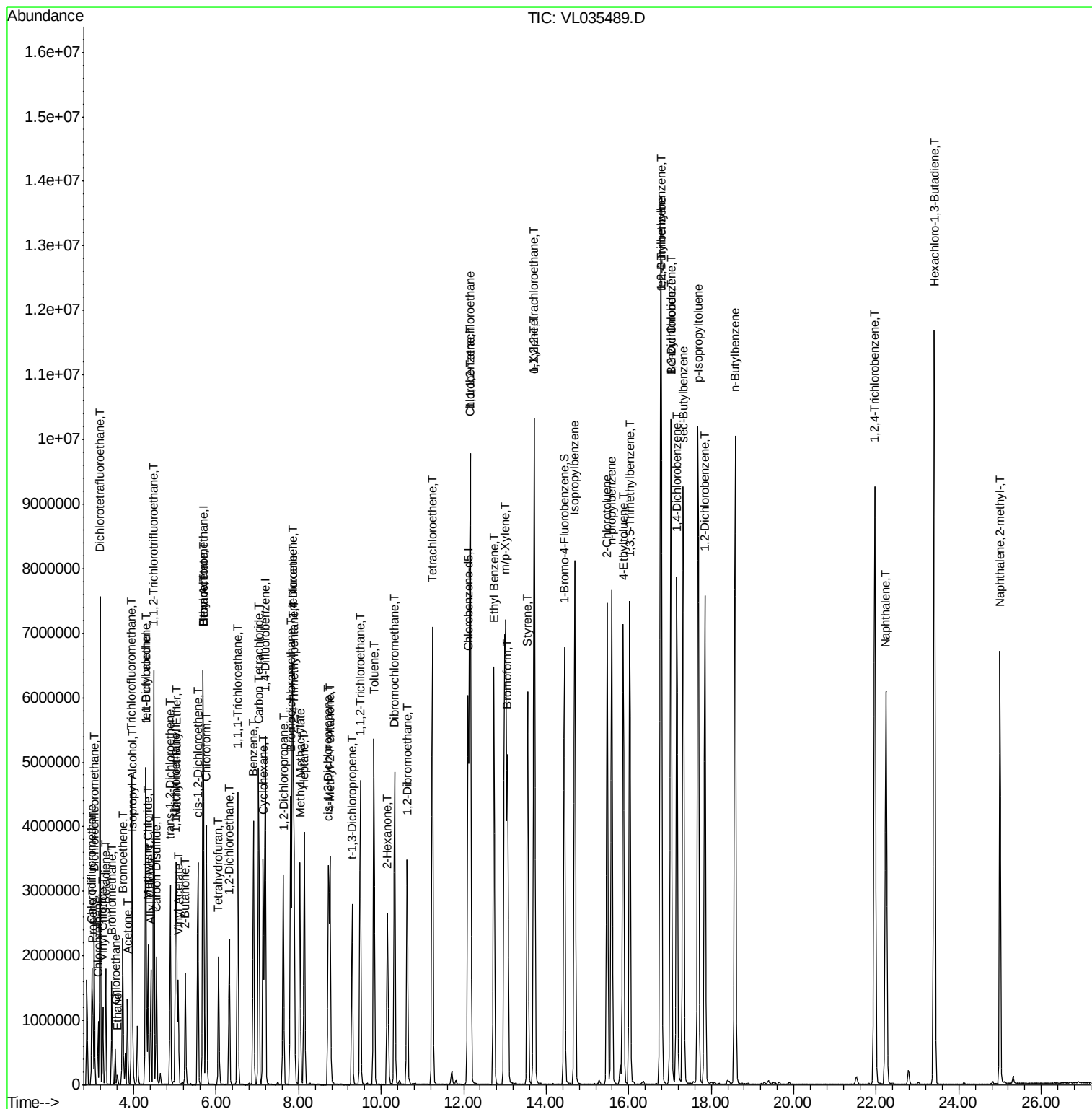
Quant Time: Aug 21 08:57:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
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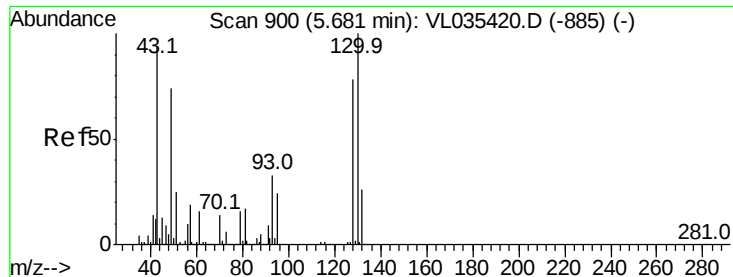
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4756682	10.259	ppbv #	92
45) t-1,3-Dichloropropene	9.29	75	1840691	12.870	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	2162557	12.137	ppbv #	74
47) 1,1,2-Trichloroethane	9.49	97	1913530	10.948	ppbv	93
48) Dibromochloromethane	10.32	129	3306612	11.277	ppbv	100
49) Bromoform	13.06	173	3190160	11.294	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2510531	10.828	ppbv #	79
51) 2-Hexanone	10.15	43	2155717	11.031	ppbv #	76
52) Tetrachloroethene	11.24	164	2161154	9.979	ppbv #	87
53) Toluene	9.82	91	4892551	10.698	ppbv	97
54) 1,2-Dibromoethane	10.63	107	3073907	10.829	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	2609871	8.607	ppbv	95
57) Chlorobenzene	12.17	112	4242038	7.950	ppbv #	82
58) Ethyl Benzene	12.73	91	6357073	8.238	ppbv #	80
59) m/p-Xylene	13.02	91	5482009	8.404	ppbv #	5
60) o-Xylene	13.72	91	5219317	8.232	ppbv	86
61) Styrene	13.55	104	4449170	8.685	ppbv #	90
62) Isopropylbenzene	14.69	105	7995026	7.694	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.70	83	3677266	8.074	ppbv	97
64) n-propylbenzene	15.59	120	2697652	8.423	ppbv #	44
65) tert-Butylbenzene	16.77	119	7705383	7.631	ppbv #	84
66) Benzyl Chloride	17.02	91	2749804	11.321	ppbv #	89
67) sec-Butylbenzene	17.32	105	9798501	7.373	ppbv #	82
69) p-Isopropyltoluene	17.68	119	8907542	7.554	ppbv #	90
70) n-Butylbenzene	18.58	91	8581837	7.705	ppbv #	89
71) 2-Chlorotoluene	15.48	91	6205705	8.231	ppbv	77
72) 4-Ethyltoluene	15.87	105	6793654	8.165	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.02	105	6312568	8.154	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.79	105	6550819	7.788	ppbv #	93
75) 1,3-Dichlorobenzene	17.02	146	4916377	7.567	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	5033695	7.862	ppbv	92
77) 1,2-Dichlorobenzene	17.85	146	4925988	7.741	ppbv	92
78) Hexachloro-1,3-Butadiene	23.41	225	3379861	6.717	ppbv	98
79) Naphthalene	22.24	128	9214487	7.779	ppbv	95
80) Naphthalene,2-methyl-	25.00	142	4370176	8.927	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.97	180	5385692	7.542	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: 5.67 min Scan# 898

Delta R.T. 0.00 min

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VSTDCCC010EC

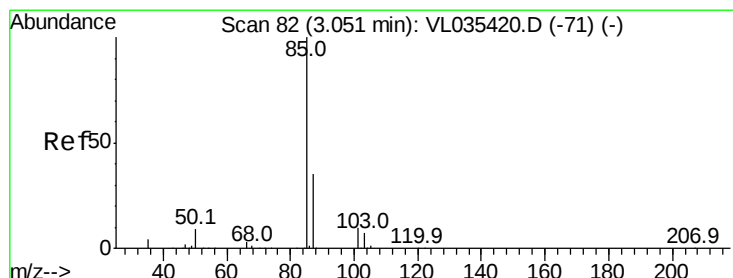
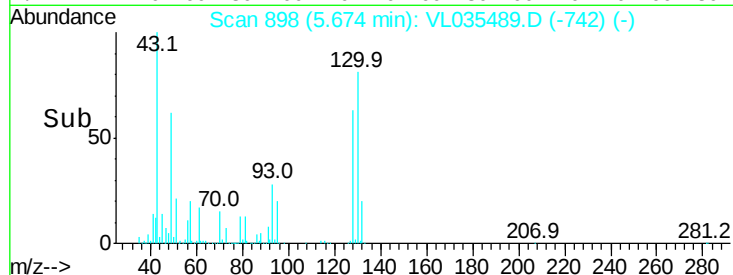
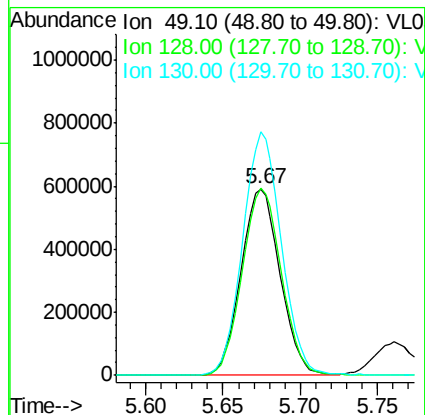
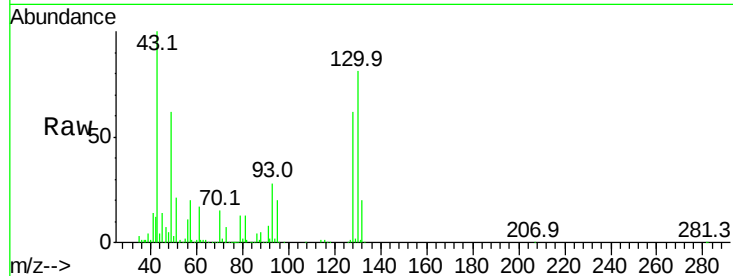
Tgt Ion: 49 Resp: 1040770

Ion Ratio Lower Upper

49 100

128 101.0 20.9 62.7#

130 129.6 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 9.409 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035489.D

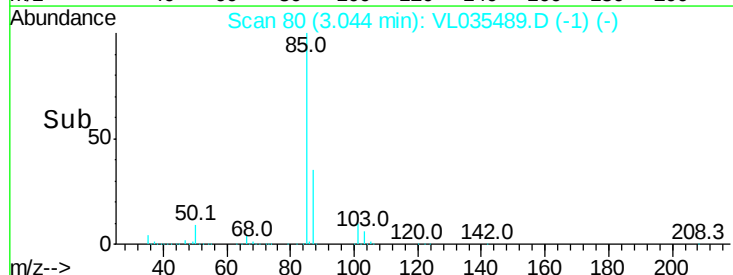
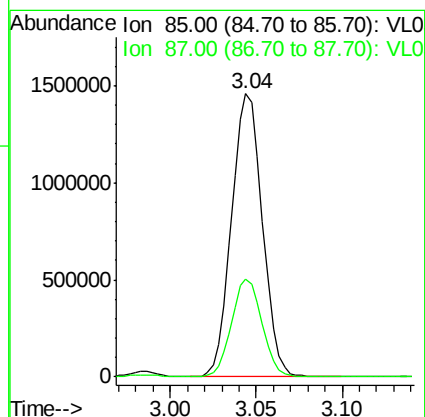
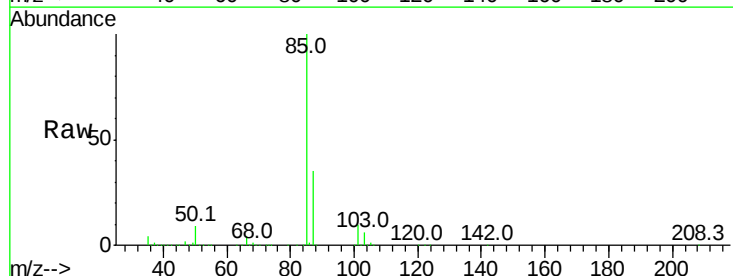
Acq: 21 Aug 2020 8:07

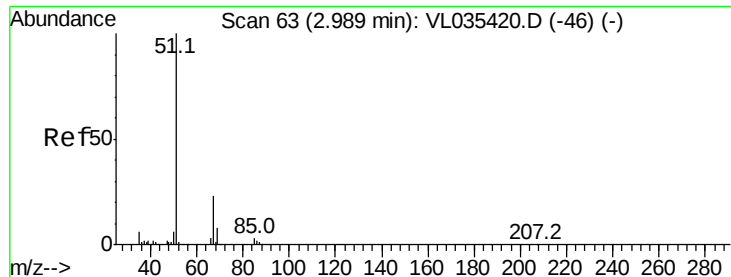
Tgt Ion: 85 Resp: 1815015

Ion Ratio Lower Upper

85 100

87 34.5 27.1 40.7





#3

Chlorodifluoromethane

Concen: 11.030 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

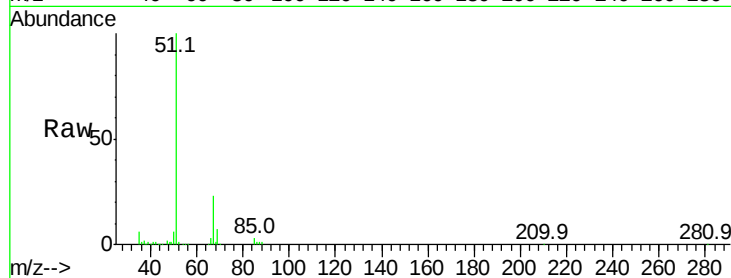
VSTDCCC010EC

Tgt Ion: 51 Resp: 1439391

Ion Ratio Lower Upper

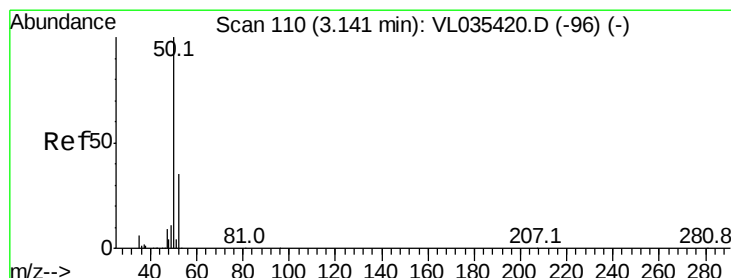
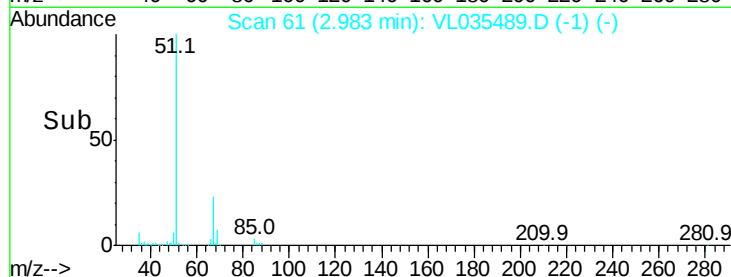
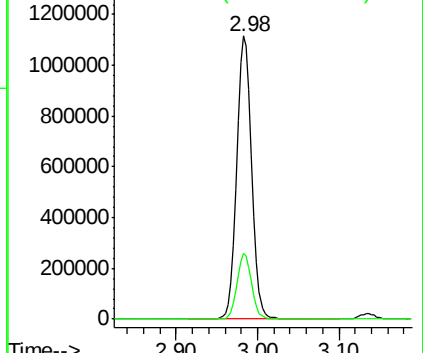
51 100

67 22.5 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: 11.505 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035489.D

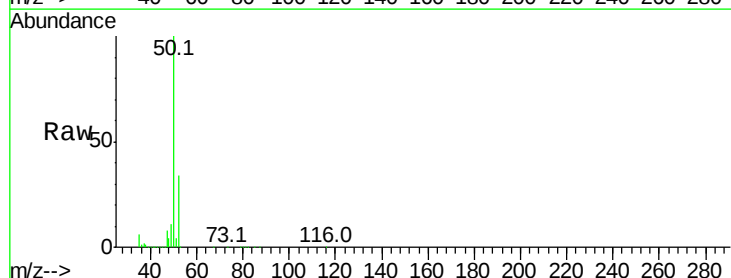
Acq: 21 Aug 2020 8:07

Tgt Ion: 50 Resp: 782140

Ion Ratio Lower Upper

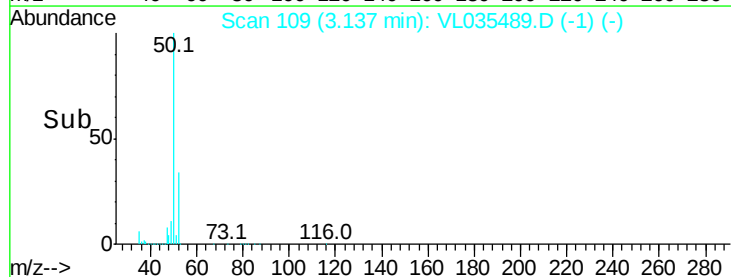
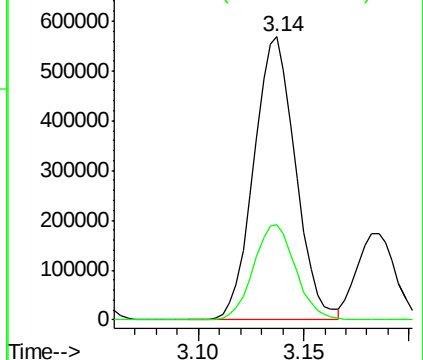
50 100

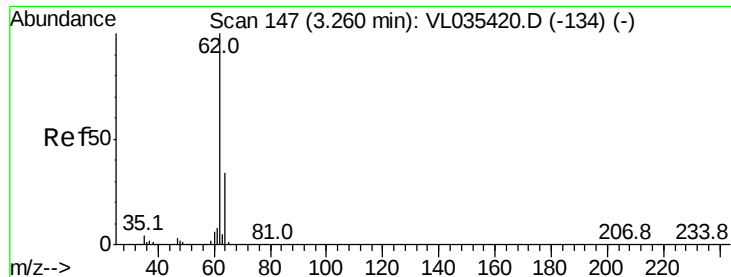
52 33.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.582 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

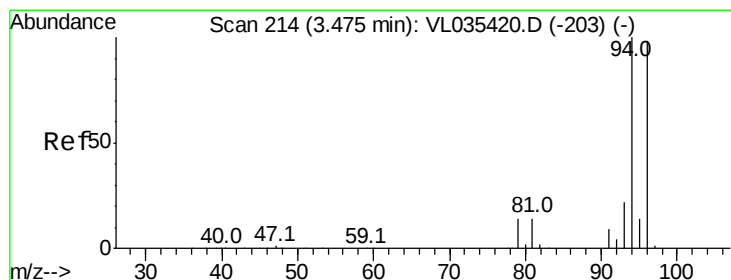
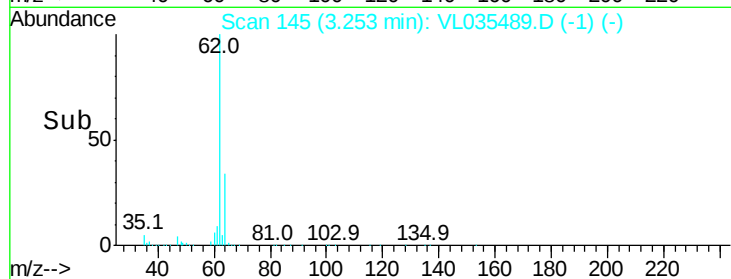
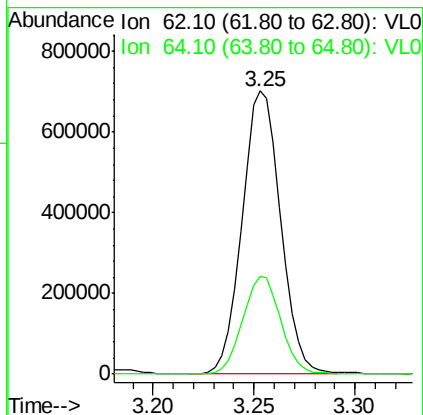
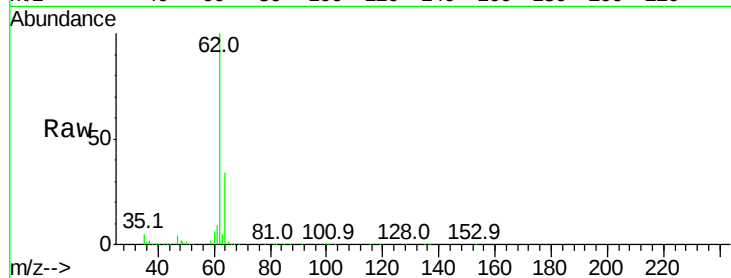
VSTDCCC010EC

Tgt Ion: 62 Resp: 940988

Ion Ratio Lower Upper

62 100

64 34.4 25.0 37.4



#6

Bromomethane

Concen: 11.793 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035489.D

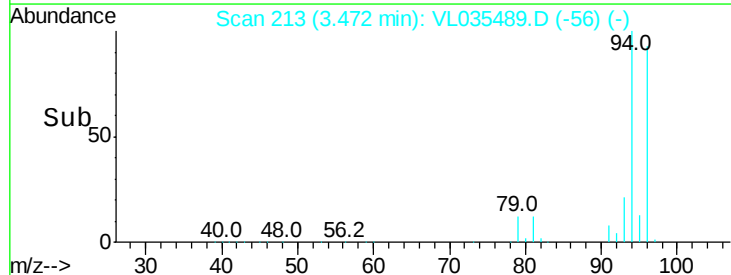
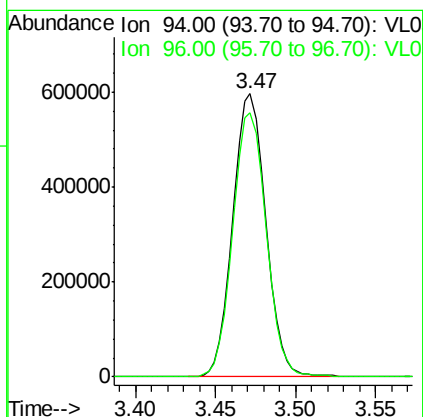
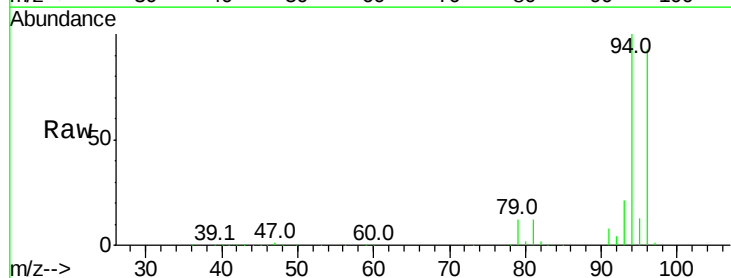
Acq: 21 Aug 2020 8:07

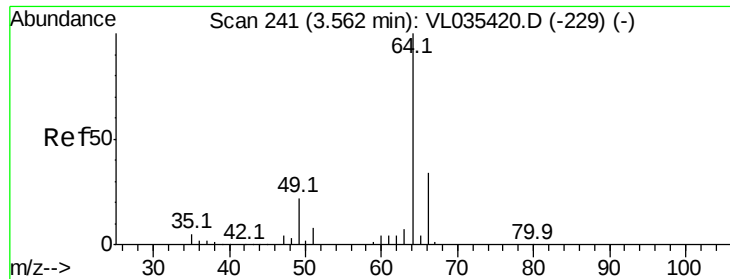
Tgt Ion: 94 Resp: 838002

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.6





#7

Chloroethane

Concen: 11.901 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

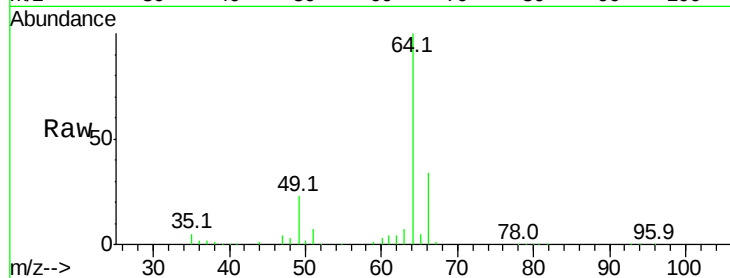
VSTDCCC010EC

Tgt Ion: 64 Resp: 356215

Ion Ratio Lower Upper

64 100

66 34.0 24.5 36.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

250000

200000

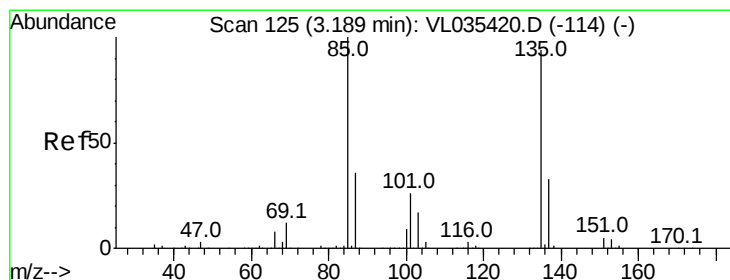
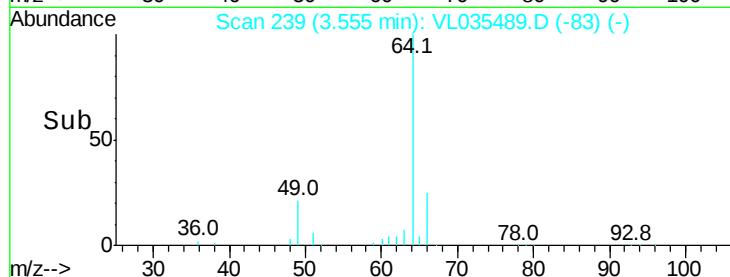
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.585 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035489.D

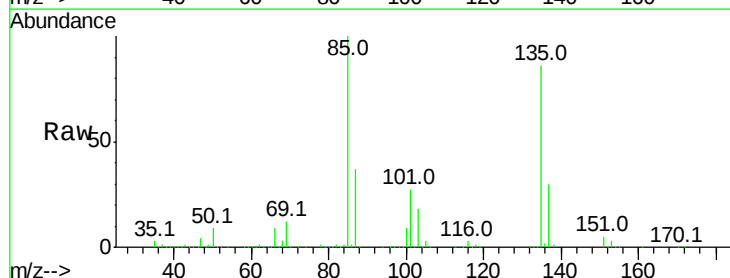
Acq: 21 Aug 2020 8:07

Tgt Ion: 85 Resp: 2614472

Ion Ratio Lower Upper

85 100

135 86.5 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

2000000

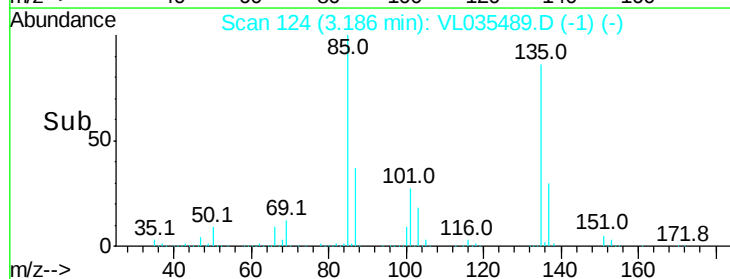
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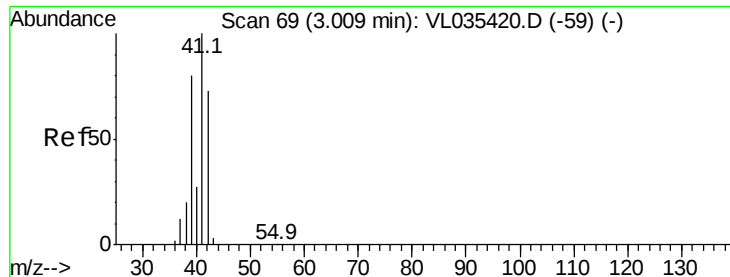
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500000

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Time-->





#9

Propene

Concen: 10.908 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035489.D

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Instrument :

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ClientSampleId :

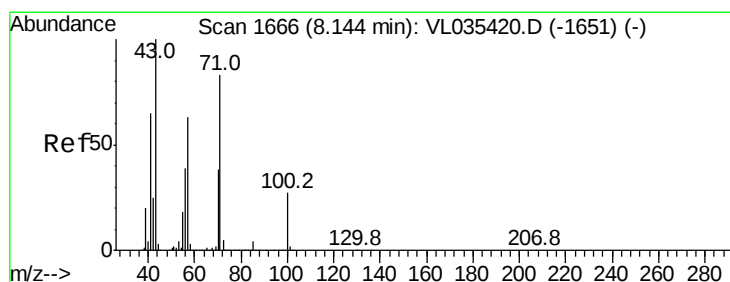
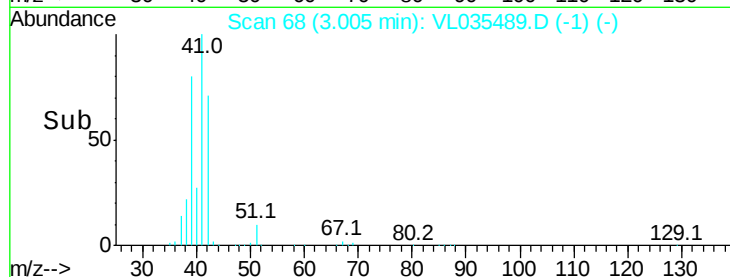
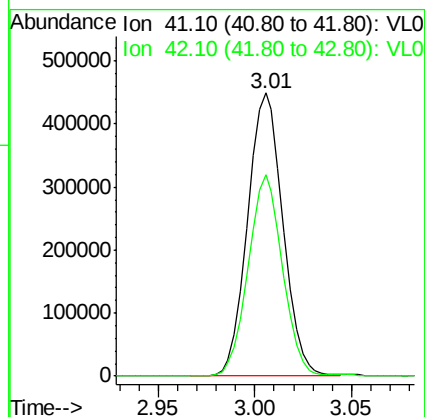
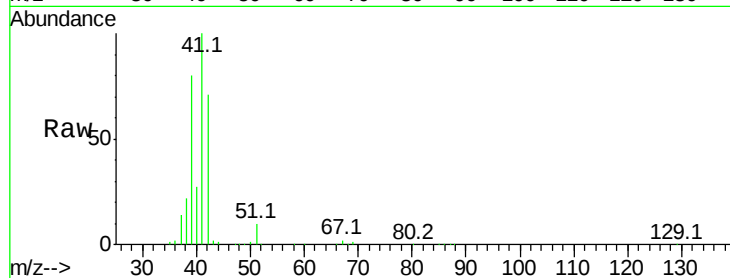
VSTDCCC010EC

Tgt Ion: 41 Resp: 572135

Ion Ratio Lower Upper

41 100

42 69.4 55.5 83.3



#10

Heptane

Concen: 10.976 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL035489.D

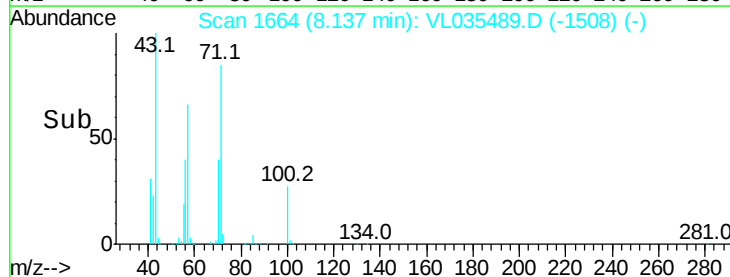
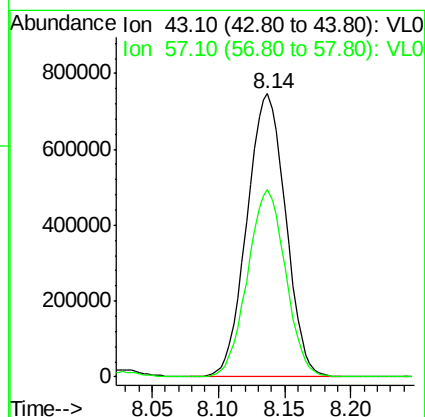
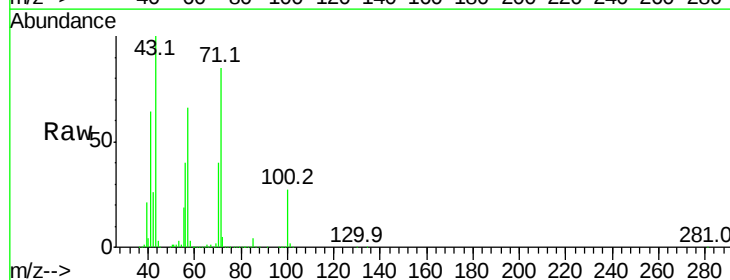
Acq: 21 Aug 2020 8:07

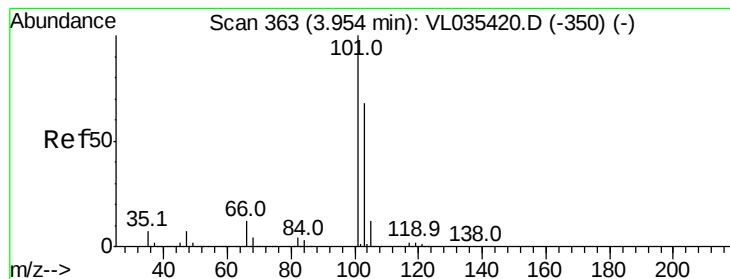
Tgt Ion: 43 Resp: 1509467

Ion Ratio Lower Upper

43 100

57 64.9 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 10.138 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

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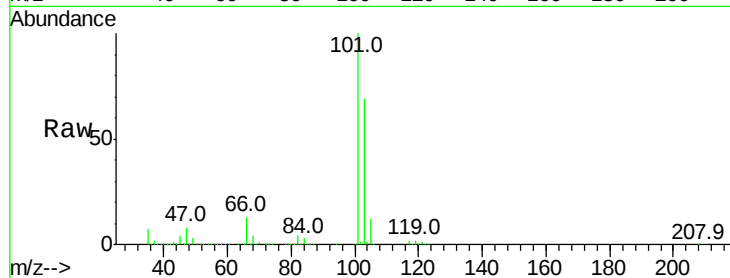
VSTDCCC010EC

Tgt Ion:101 Resp: 3068431

Ion Ratio Lower Upper

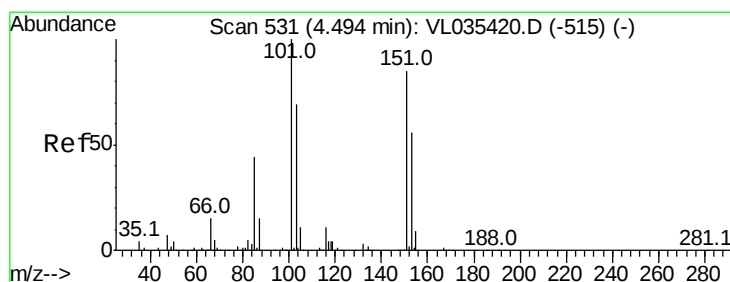
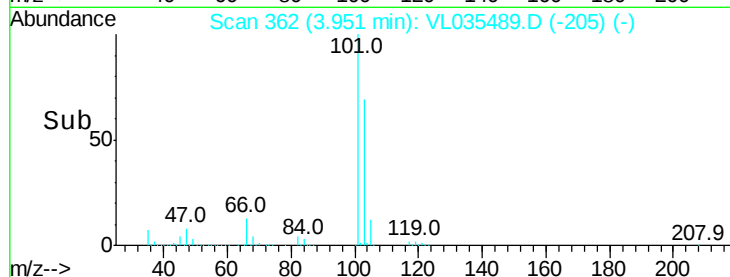
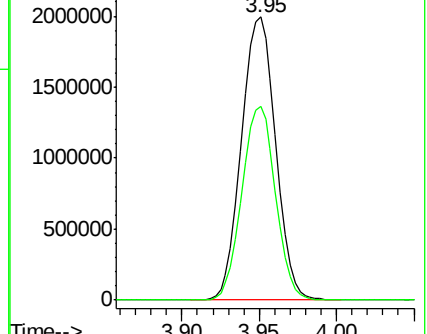
101 100

103 68.7 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: 10.465 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL035489.D

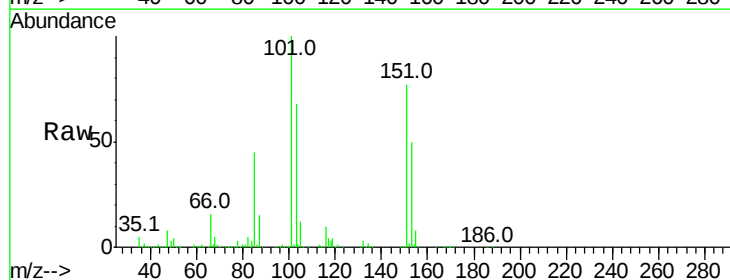
Acq: 21 Aug 2020 8:07

Tgt Ion:101 Resp: 2360329

Ion Ratio Lower Upper

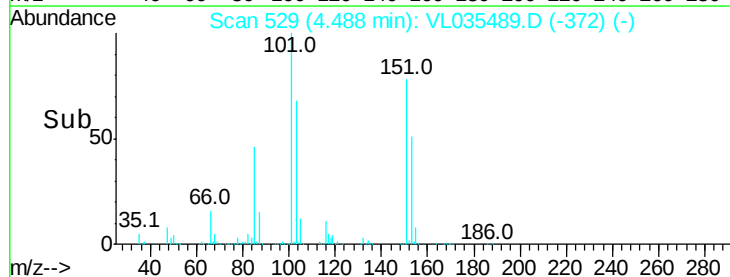
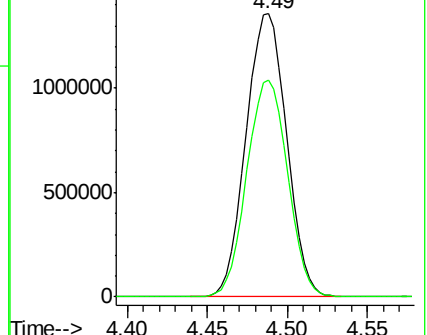
101 100

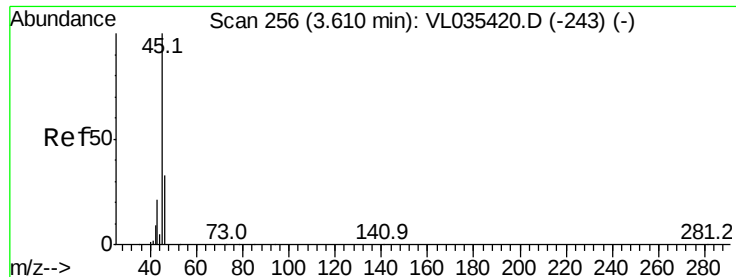
151 77.2 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.921 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

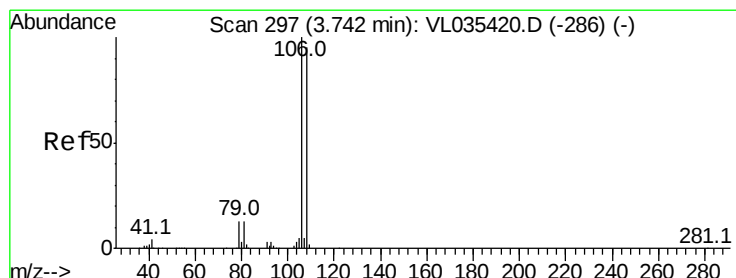
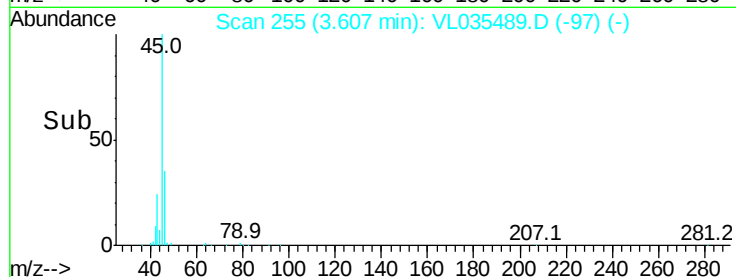
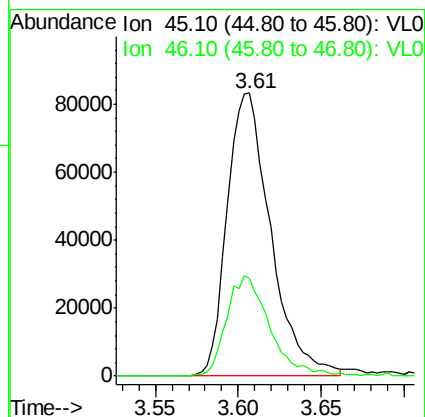
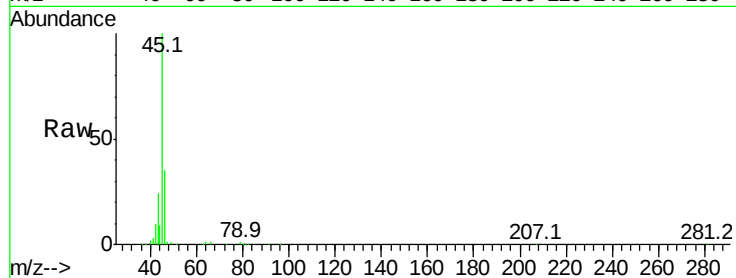
VSTDCCC010EC

Tgt Ion: 45 Resp: 152214

Ion Ratio Lower Upper

45 100

46 35.4 14.2 56.6



#14

Bromoethene

Concen: 11.431 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

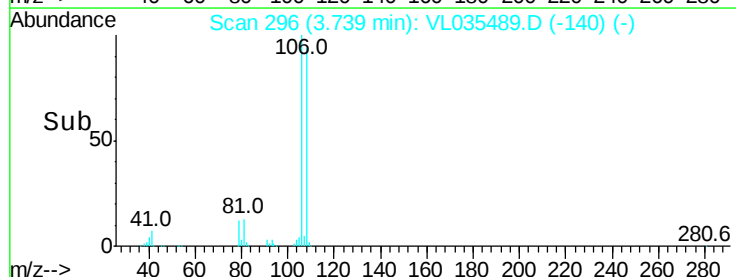
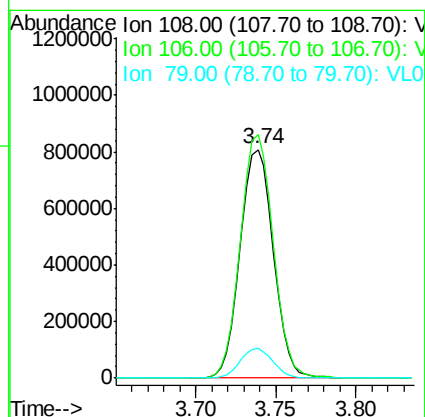
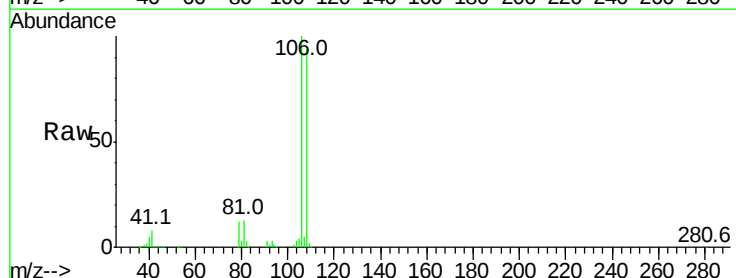
Tgt Ion: 108 Resp: 1139427

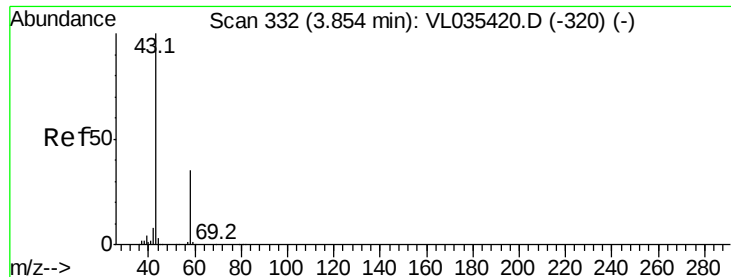
Ion Ratio Lower Upper

108 100

106 105.8 86.7 130.1

79 12.9 16.8 25.2#





#15

Acetone

Concen: 10.059 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

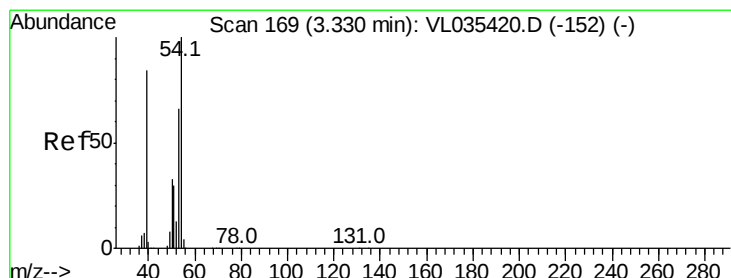
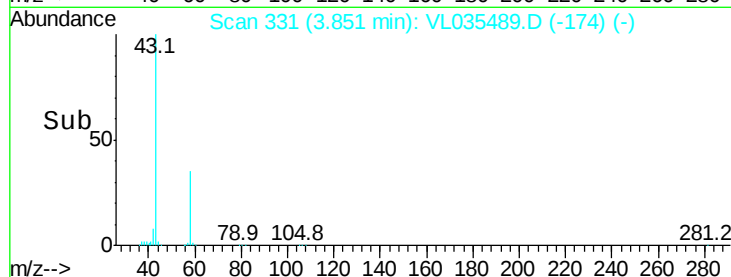
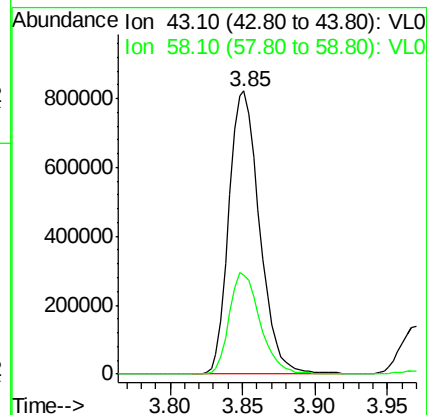
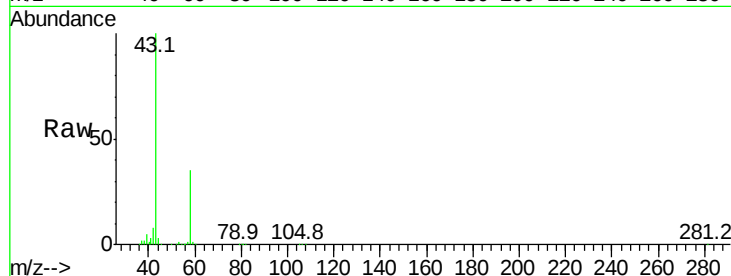
VSTDCCC010EC

Tgt Ion: 43 Resp: 1204999

Ion Ratio Lower Upper

43 100

58 36.1 21.0 31.6#



#16

1,3-Butadiene

Concen: 11.559 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL035489.D

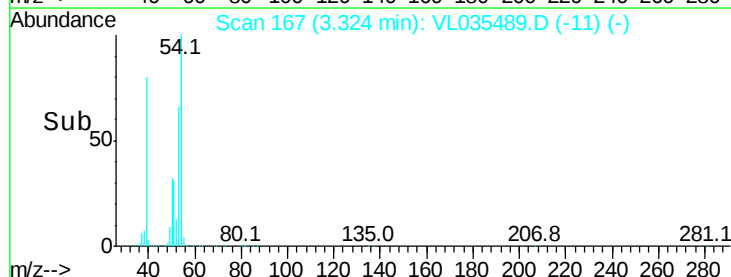
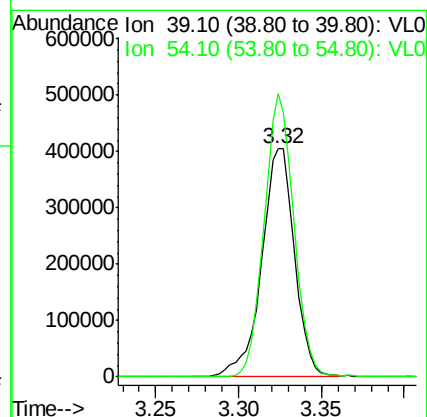
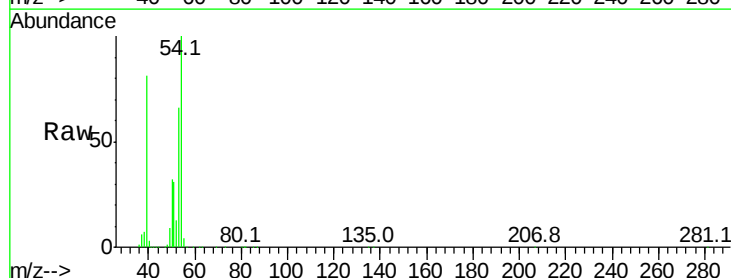
Acq: 21 Aug 2020 8:07

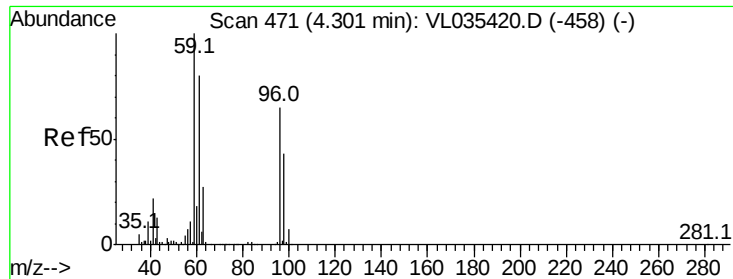
Tgt Ion: 39 Resp: 561532

Ion Ratio Lower Upper

39 100

54 112.7 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 12.333 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

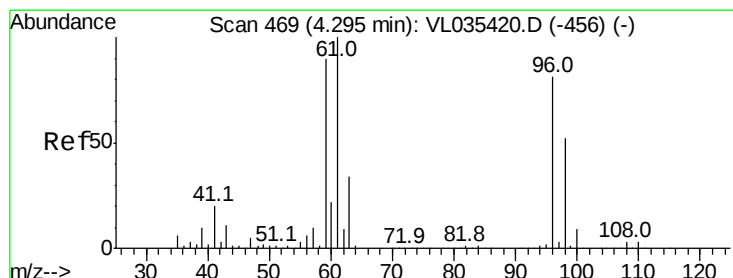
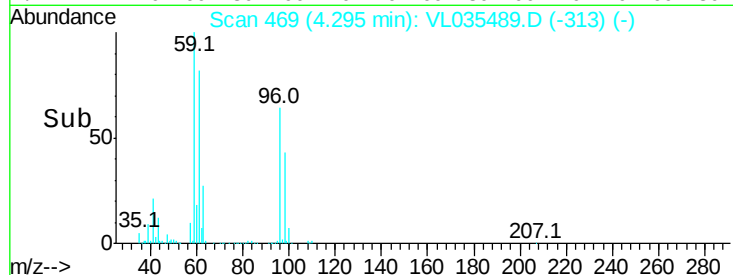
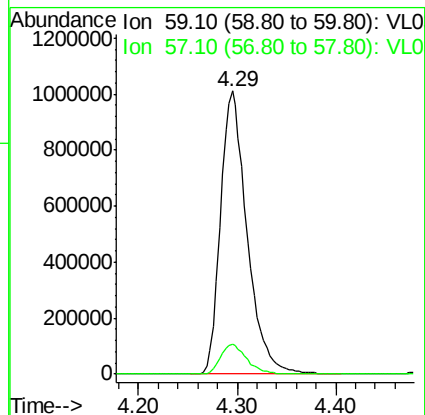
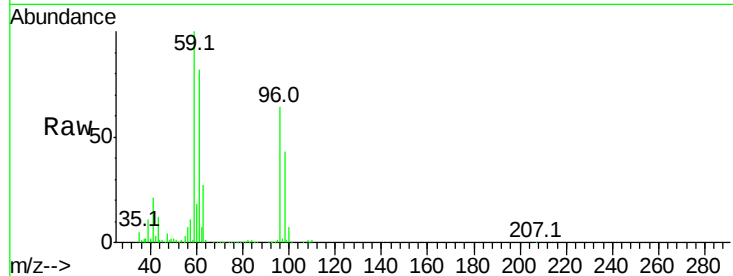
VSTDCCC010EC

Tgt Ion: 59 Resp: 1909582

Ion Ratio Lower Upper

59 100

57 10.5 8.9 13.3



#18

1,1-Dichloroethene

Concen: 11.328 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

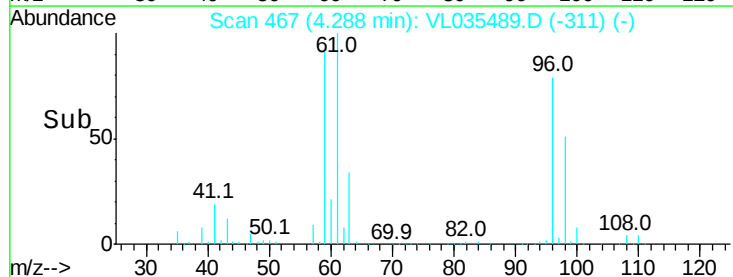
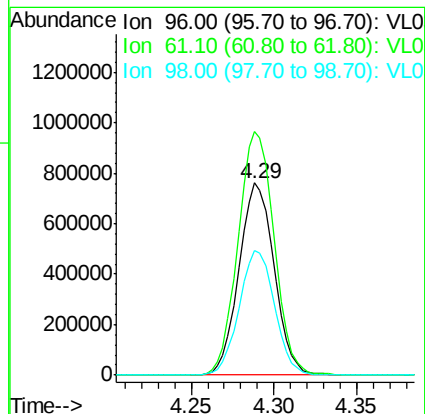
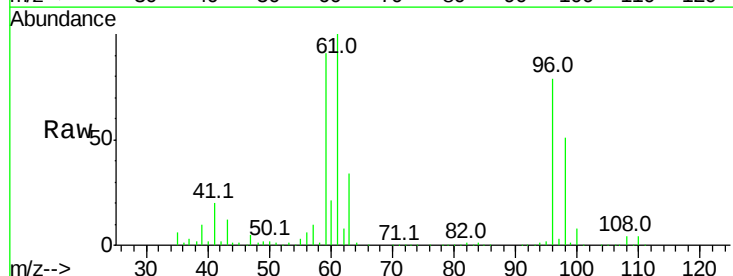
Tgt Ion: 96 Resp: 1128154

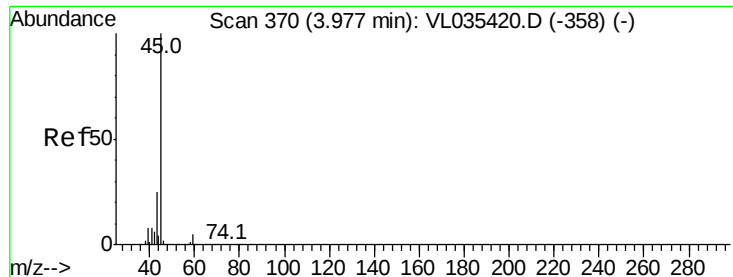
Ion Ratio Lower Upper

96 100

61 126.6 161.8 242.6#

98 64.9 49.3 73.9

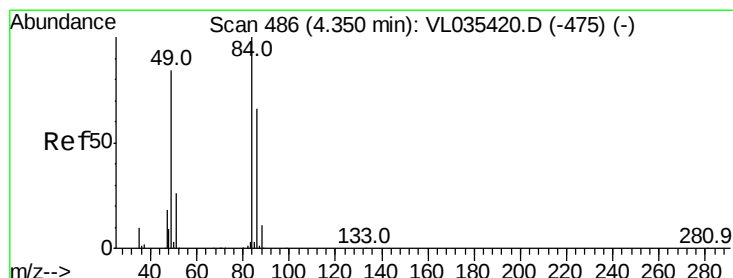
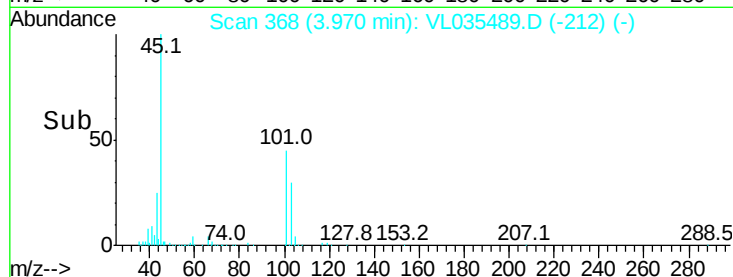
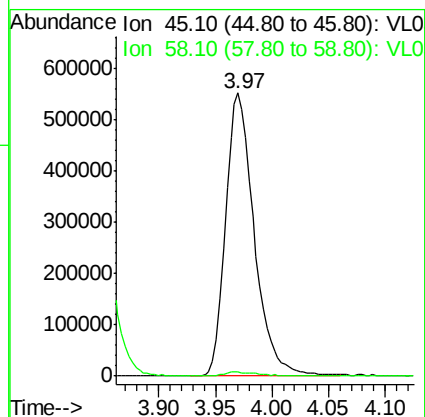
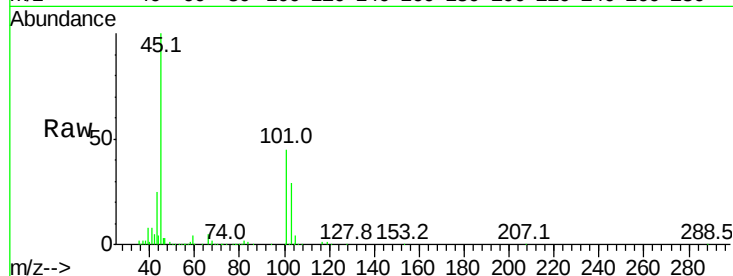




#19
Isopropyl Alcohol
Concen: 11.773 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

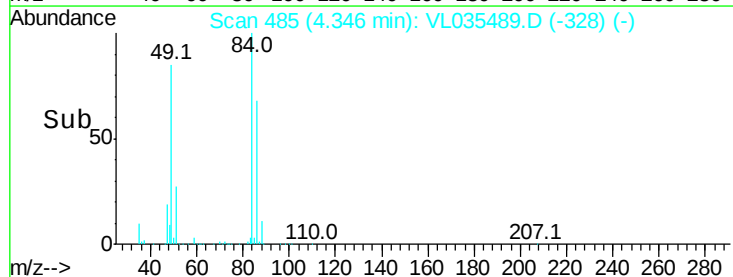
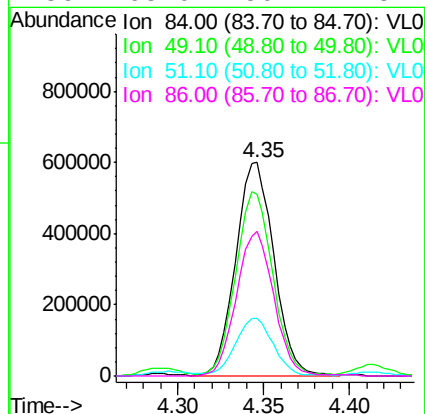
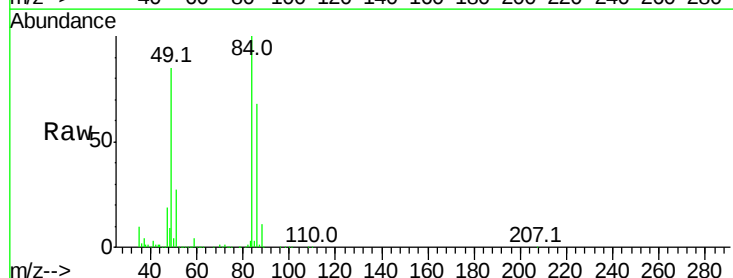
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

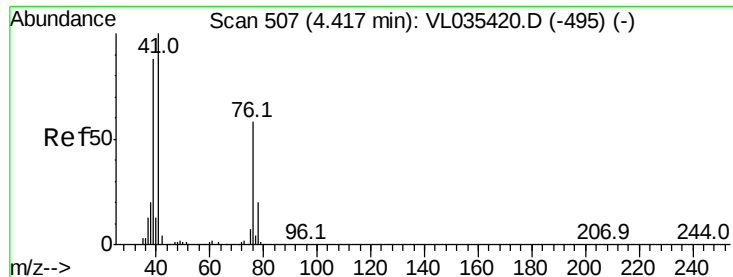
Tgt Ion: 45 Resp: 972061
Ion Ratio Lower Upper
45 100
58 1.9 1.0 1.6#



#20
Methylene Chloride
Concen: 9.515 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 84 Resp: 919673
Ion Ratio Lower Upper
84 100
49 84.5 118.6 177.8#
51 26.9 36.4 54.6#
86 68.0 50.2 75.4





#21

Allyl Chloride

Concen: 12.381 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

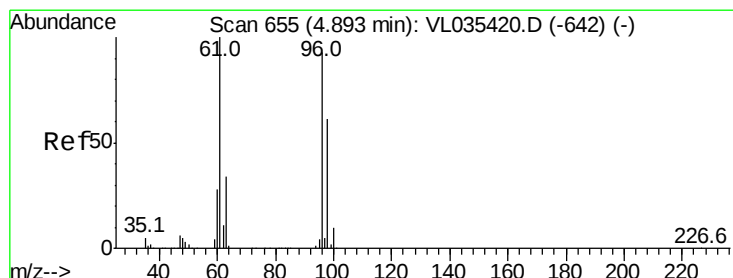
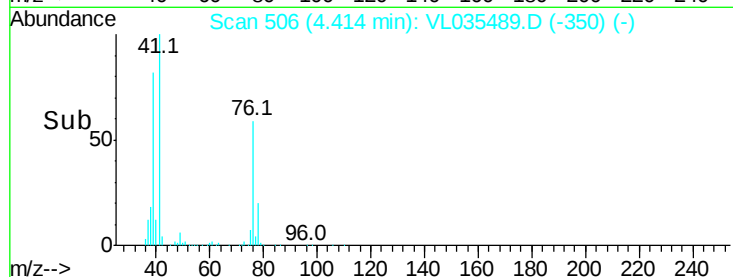
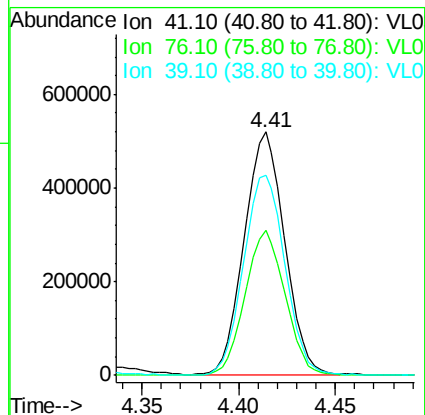
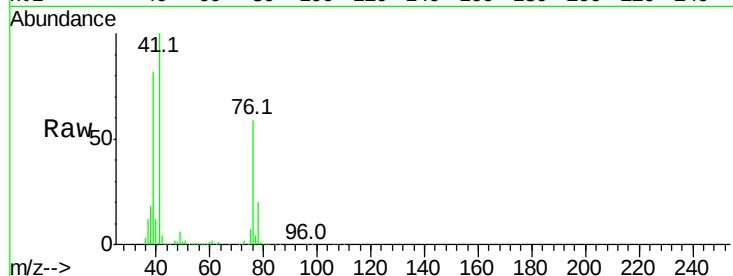
Tgt Ion: 41 Resp: 753657

Ion Ratio Lower Upper

41 100

76 59.5 22.8 34.2#

39 84.9 66.2 99.2



#22

trans-1,2-Dichloroethene

Concen: 11.042 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

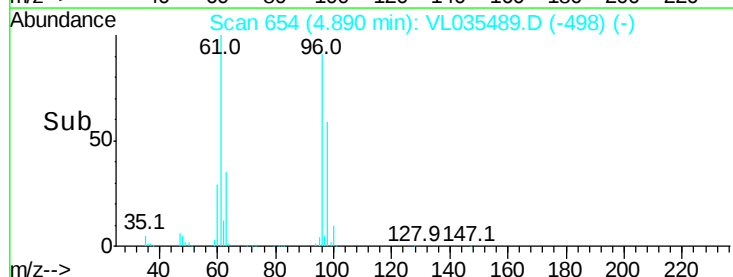
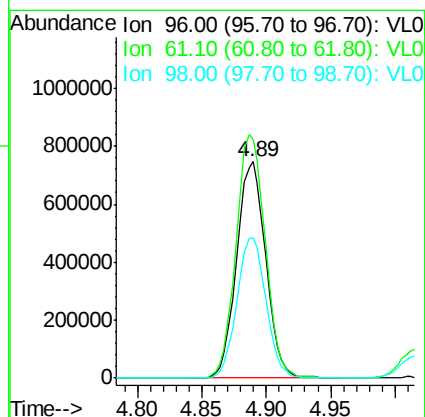
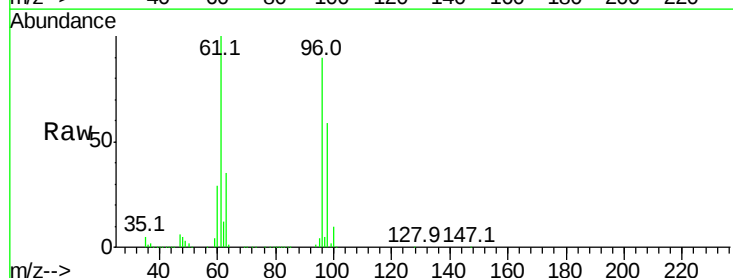
Tgt Ion: 96 Resp: 1173523

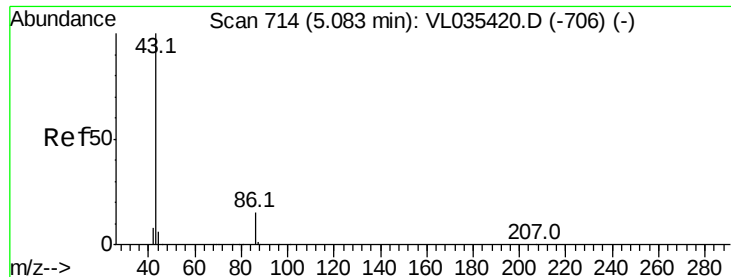
Ion Ratio Lower Upper

96 100

61 110.5 142.2 213.2#

98 64.7 51.8 77.8





#23

Vinyl Acetate

Concen: 11.468 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1963856

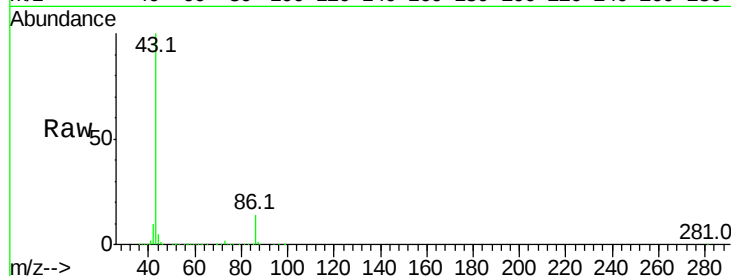
Ion Ratio Lower Upper

43 100

86 14.4 6.5 9.7#

42 9.5 8.3 12.5

44 5.2 4.0 6.0

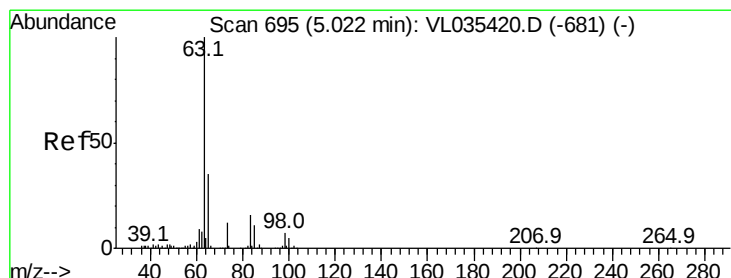
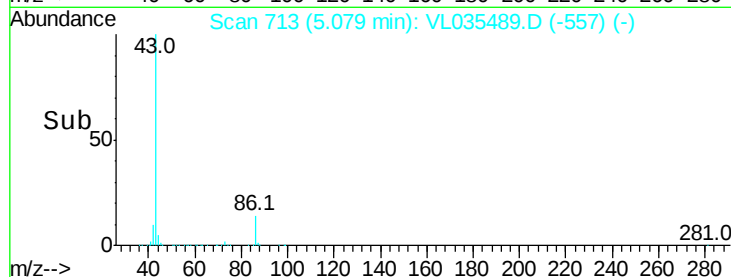
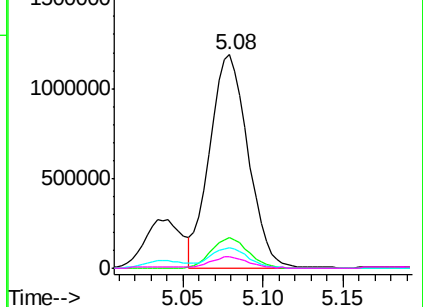


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.220 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

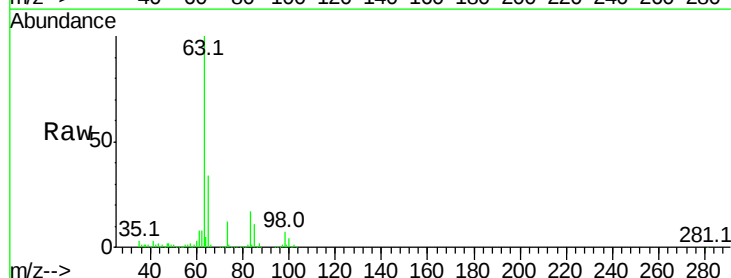
Tgt Ion: 63 Resp: 1917466

Ion Ratio Lower Upper

63 100

98 6.8 2.1 6.5#

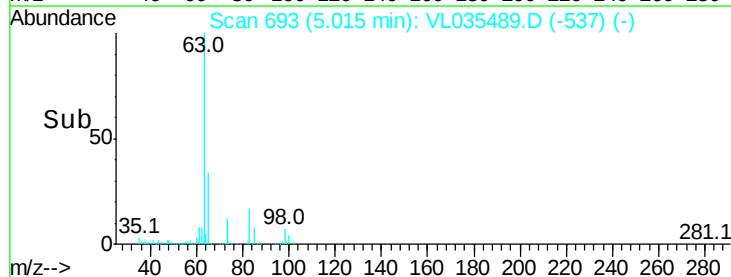
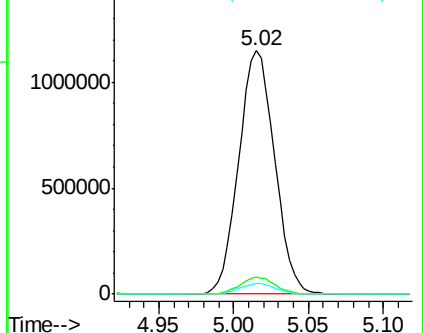
100 4.4 1.3 3.8#

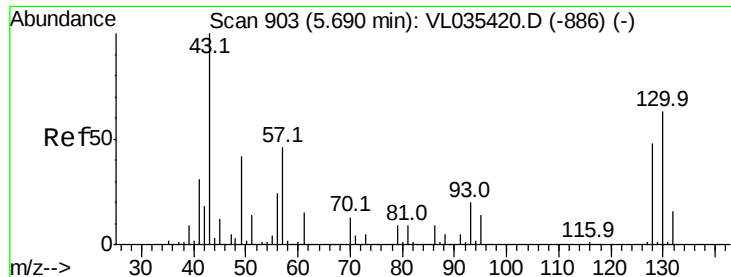


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.738 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

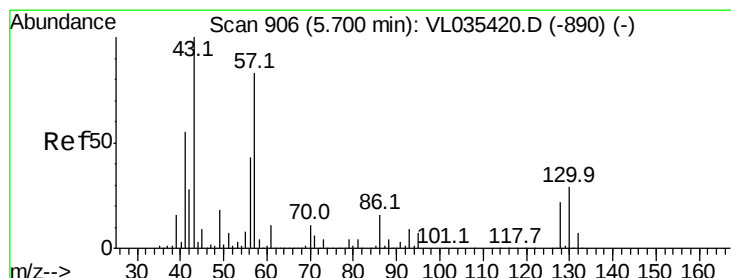
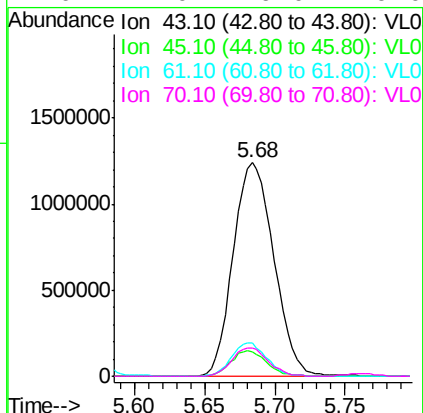
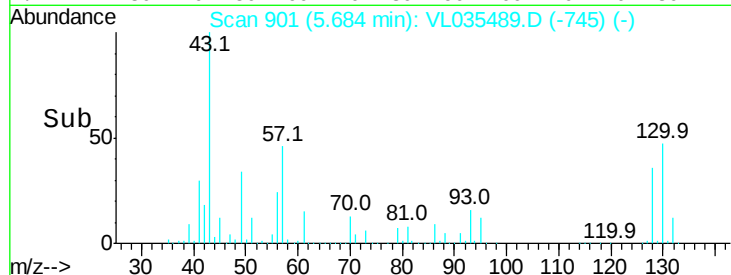
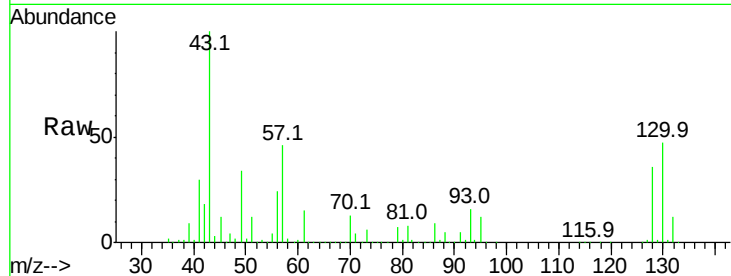
Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2503193

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.3	12.5
61	13.8	7.6	11.4#
70	12.0	6.0	9.0#



#26

Hexane

Concen: 10.922 ppbv

RT: 5.69 min Scan# 904

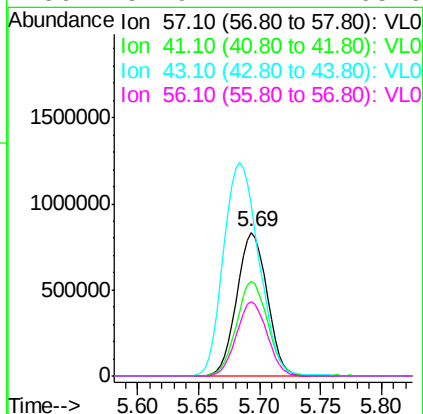
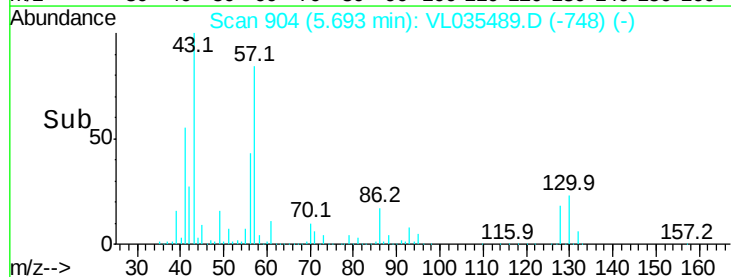
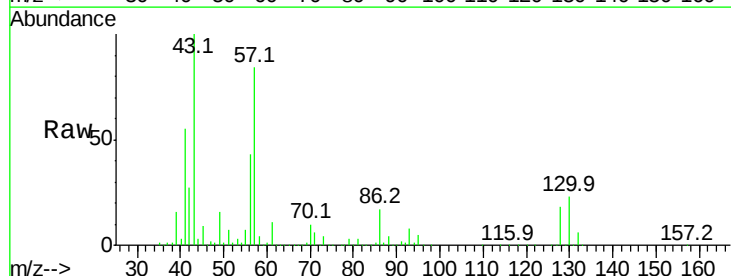
Delta R.T. 0.00 min

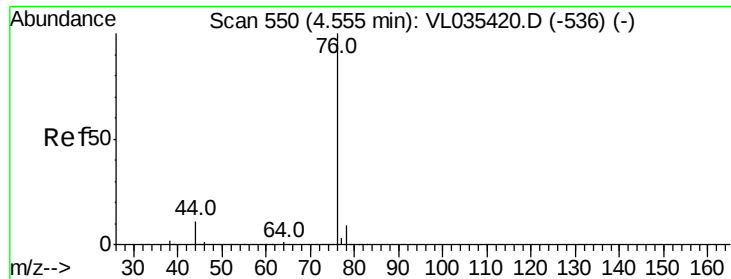
Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion: 57 Resp: 1436812

Ion	Ratio	Lower	Upper
57	100		
41	68.0	75.5	113.3#
43	175.2	181.7	272.5#
56	51.9	42.4	63.6





#27

Carbon Disulfide

Concen: 12.313 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

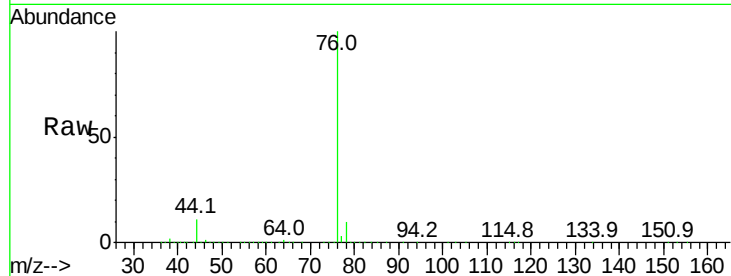
Tgt Ion: 76 Resp: 2341396

Ion Ratio Lower Upper

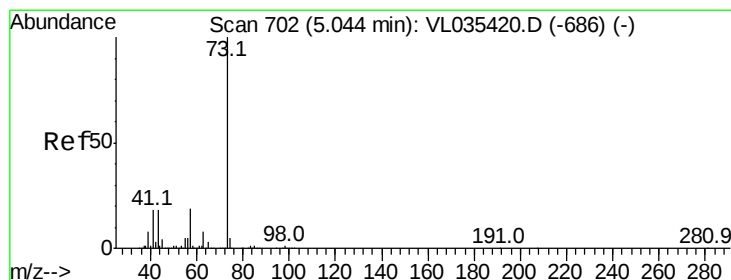
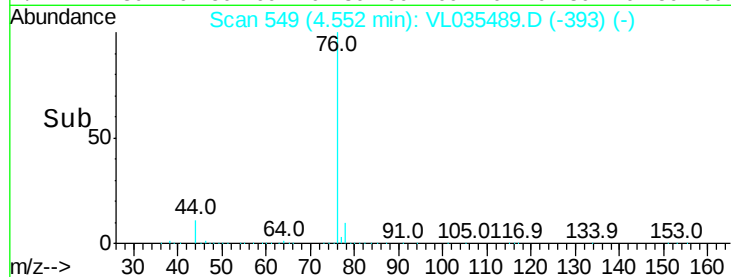
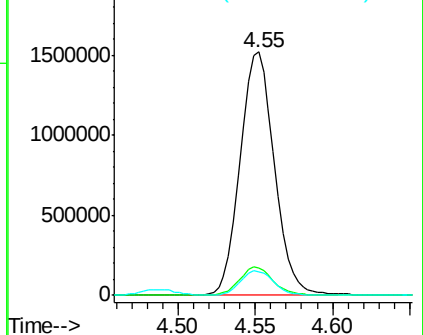
76 100

44 11.2 16.8 25.2#

78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.526 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035489.D

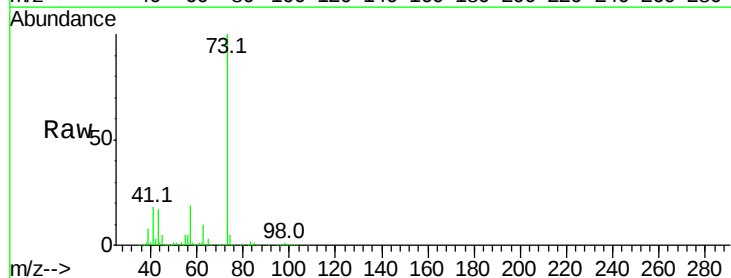
Acq: 21 Aug 2020 8:07

Tgt Ion: 73 Resp: 2769847

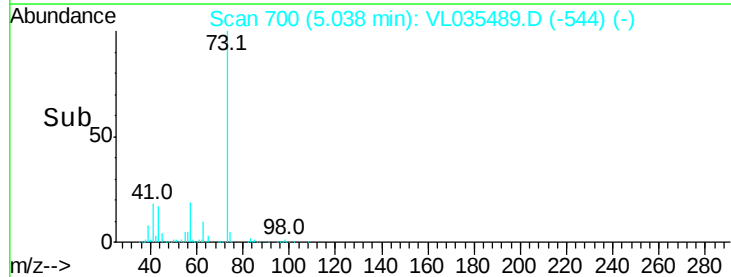
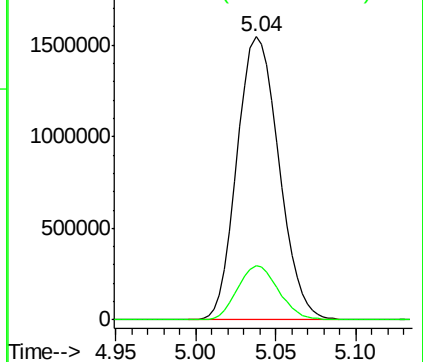
Ion Ratio Lower Upper

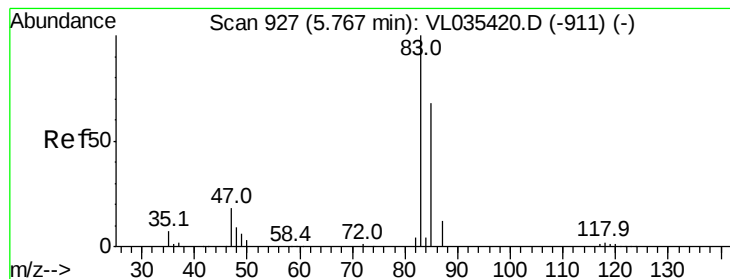
73 100

57 18.8 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.059 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

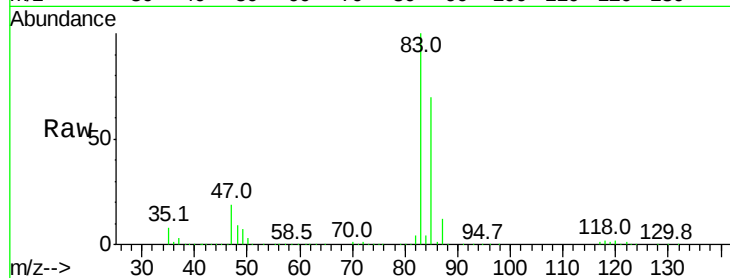
VSTDCCC010EC

Tgt Ion: 83 Resp: 2923084

Ion Ratio Lower Upper

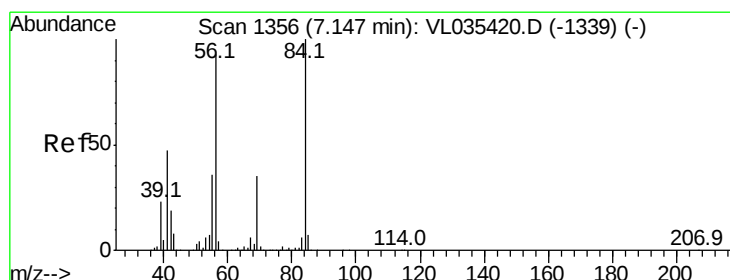
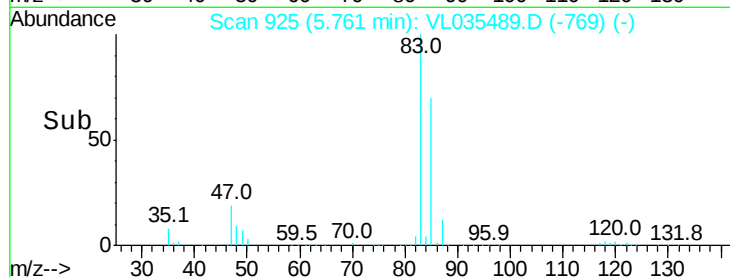
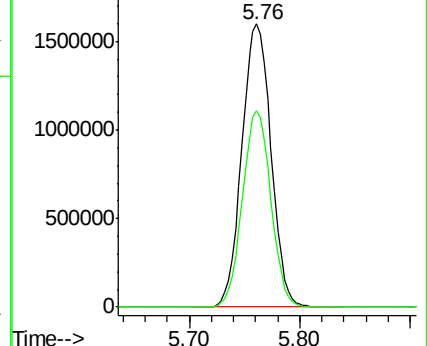
83 100

85 69.5 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.616 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

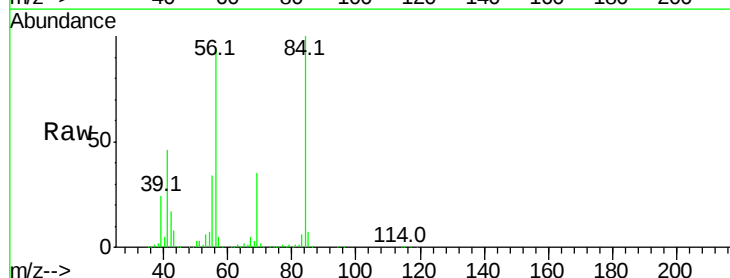
Tgt Ion: 84 Resp: 1695263

Ion Ratio Lower Upper

84 100

56 98.2 114.9 172.3#

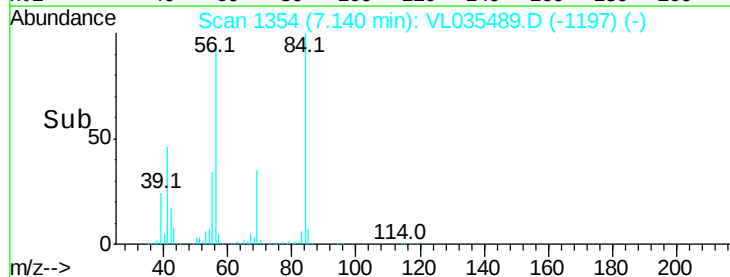
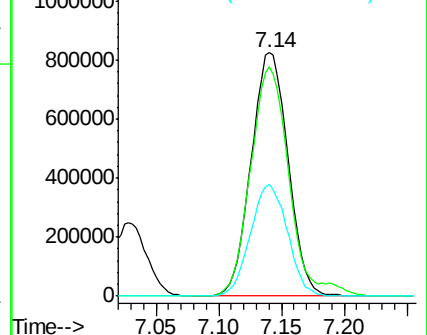
41 46.0 72.3 108.5#

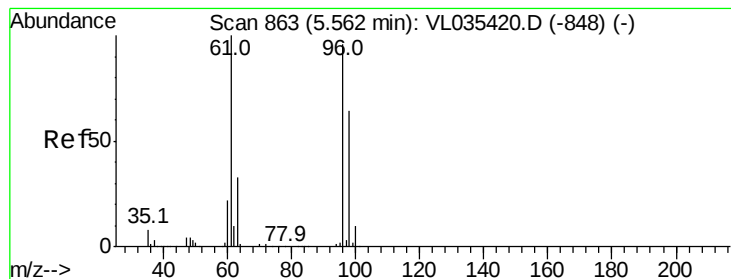


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 11.408 ppbv

RT: 5.56 min Scan# 861

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

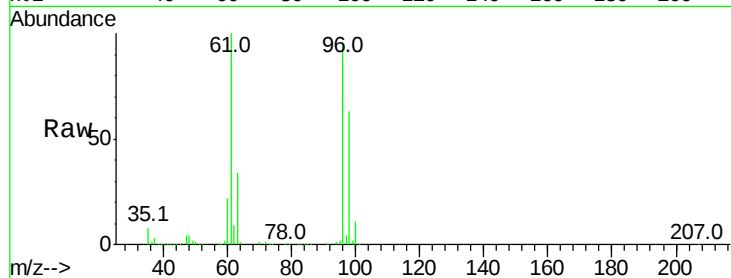
Tgt Ion: 61 Resp: 1578296

Ion Ratio Lower Upper

61 100

96 96.3 51.4 77.0#

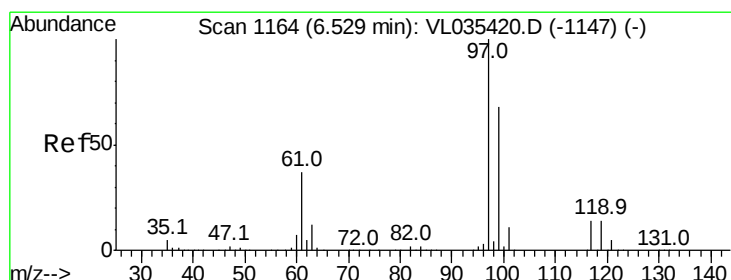
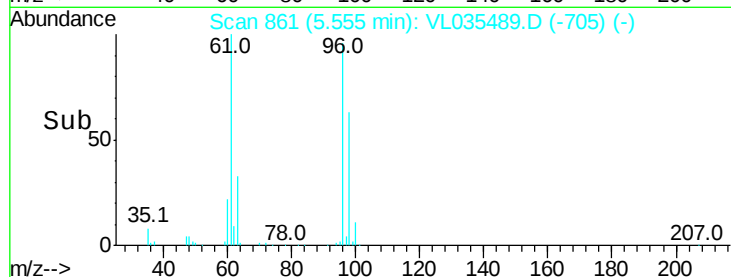
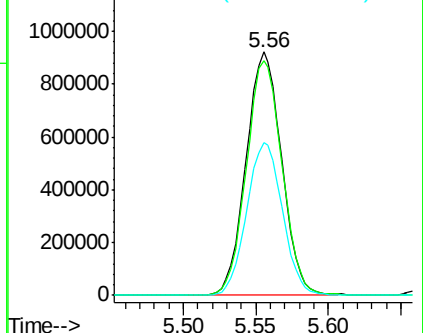
98 62.6 32.9 49.3#



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: 11.991 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

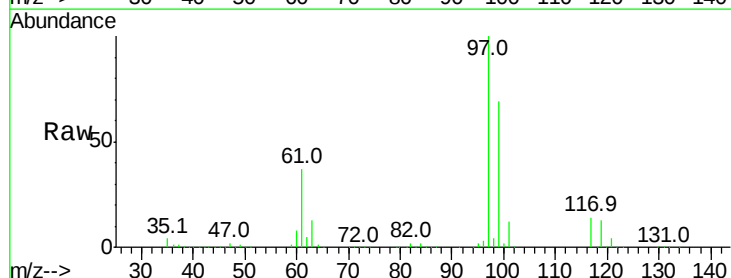
Tgt Ion: 97 Resp: 2970142

Ion Ratio Lower Upper

97 100

99 66.6 51.4 77.0

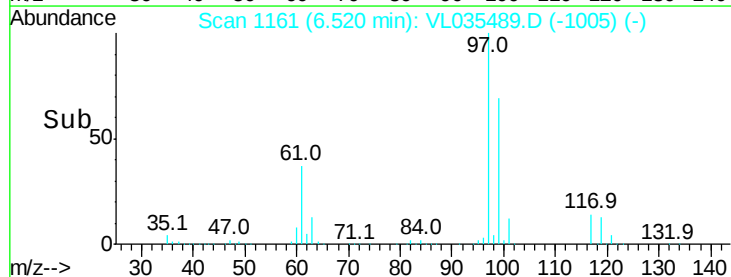
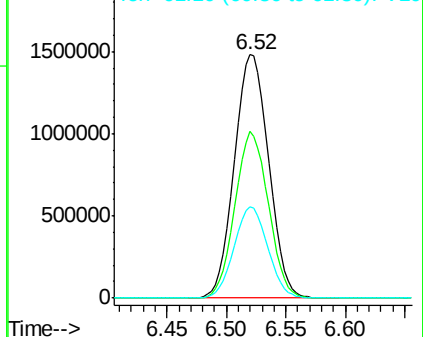
61 36.9 41.0 61.6#

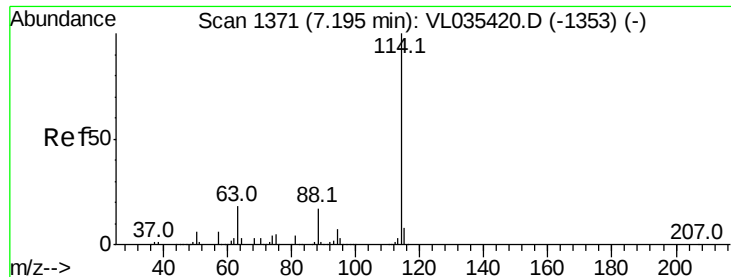


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

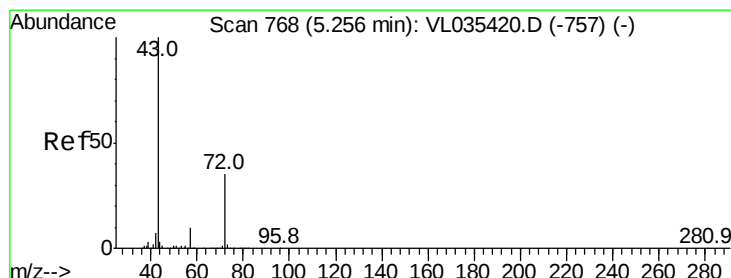
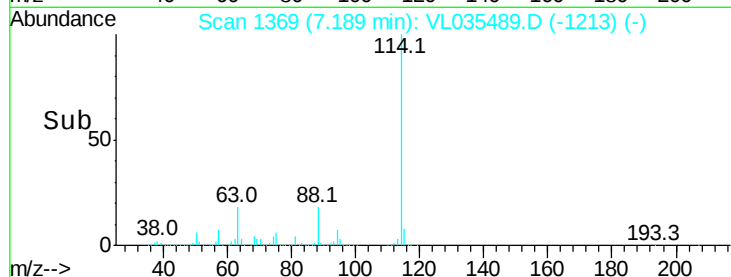
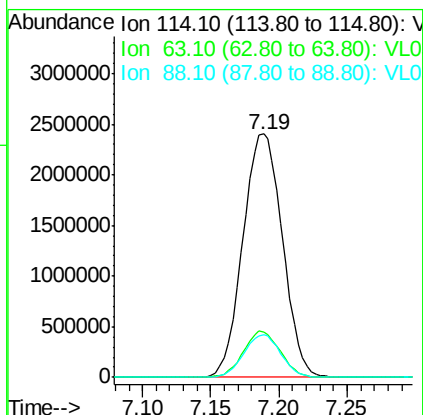
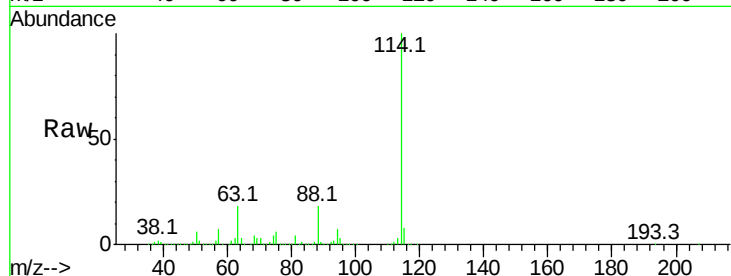




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

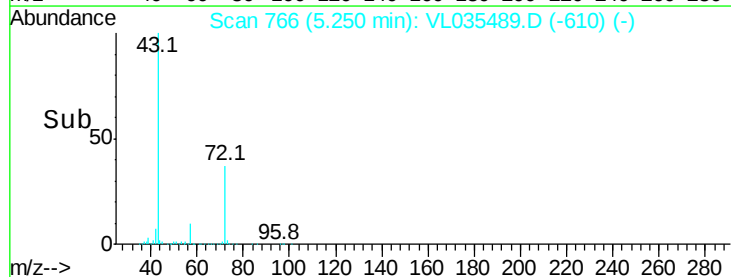
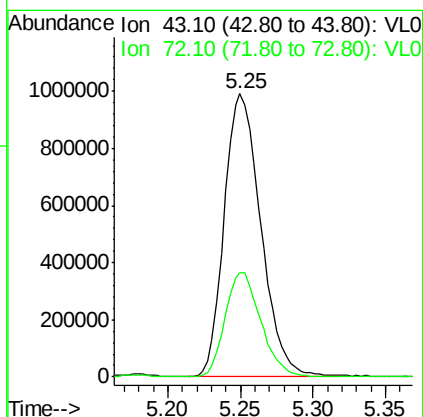
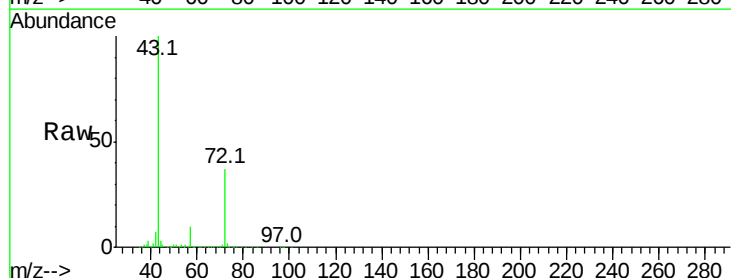
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

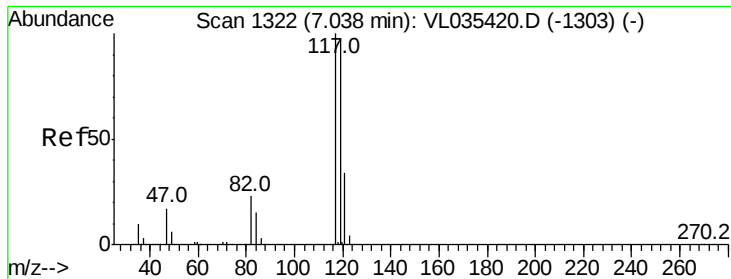
Tgt Ion:114 Resp: 4837642
 Ion Ratio Lower Upper
 114 100
 63 17.9 23.1 34.7#
 88 16.5 15.9 23.9



#34
 2-Butanone
 Concen: 10.696 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion: 43 Resp: 1728830
 Ion Ratio Lower Upper
 43 100
 72 36.3 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 11.966 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

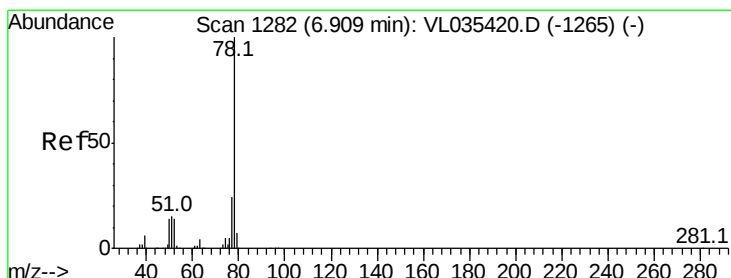
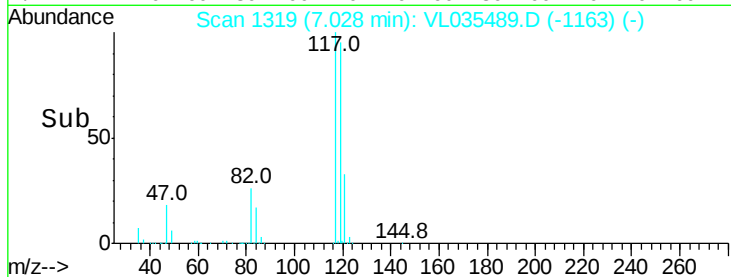
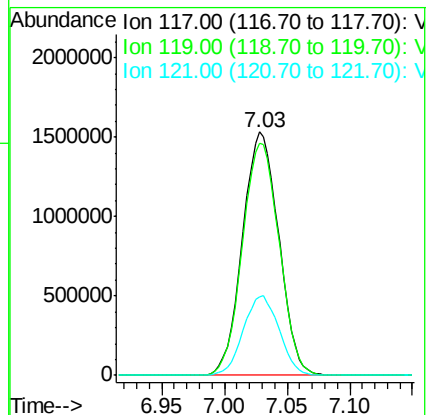
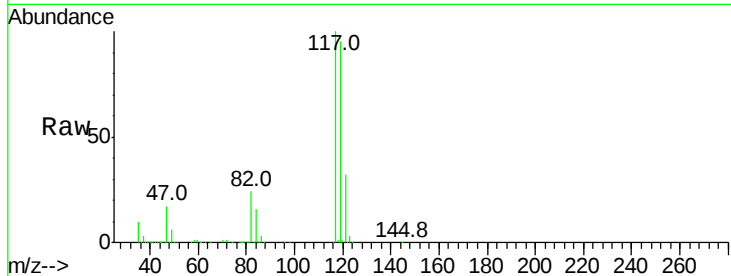
Tgt Ion:117 Resp: 3078729

Ion Ratio Lower Upper

117 100

119 95.4 76.1 114.1

121 32.3 25.5 38.3



#36

Benzene

Concen: 10.827 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

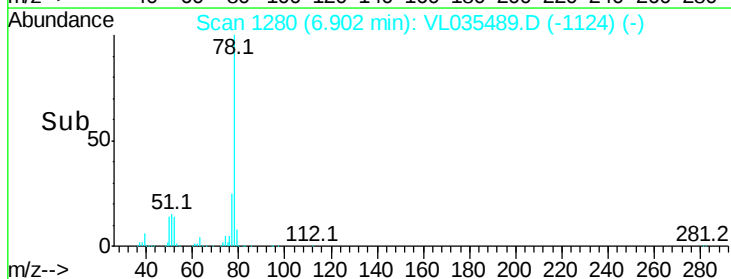
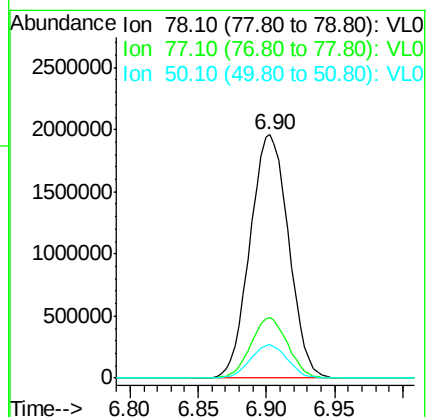
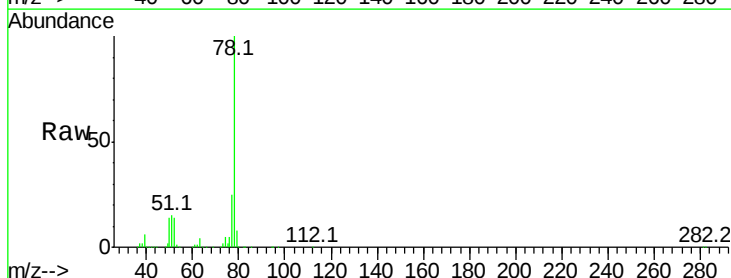
Tgt Ion: 78 Resp: 3843996

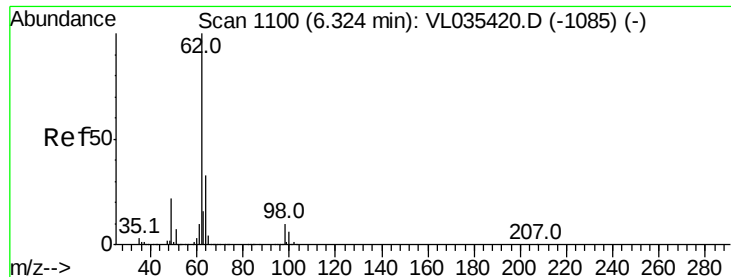
Ion Ratio Lower Upper

78 100

77 24.6 19.6 29.4

50 13.8 16.3 24.5#





#37

1,2-Dichloroethane

Concen: 10.989 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

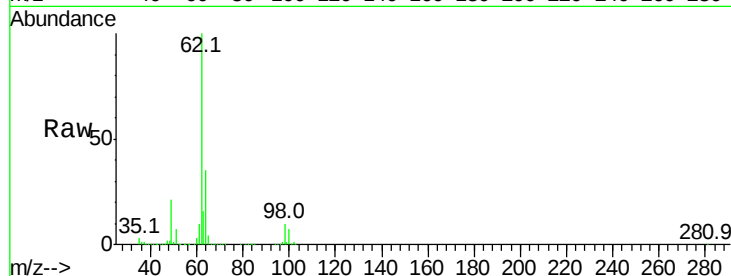
VSTDCCC010EC

Tgt Ion: 62 Resp: 1783086

Ion Ratio Lower Upper

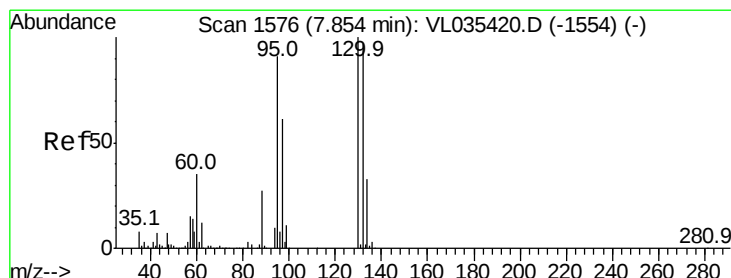
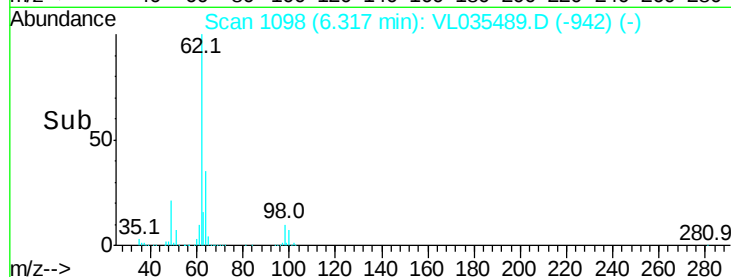
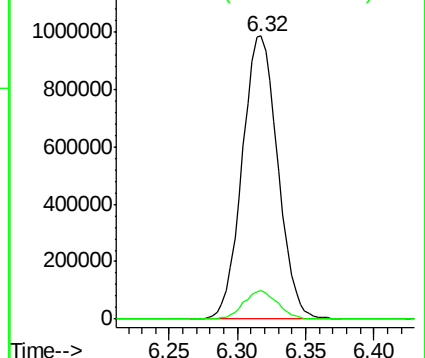
62 100

98 9.7 4.6 7.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.499 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion: 130 Resp: 2073594

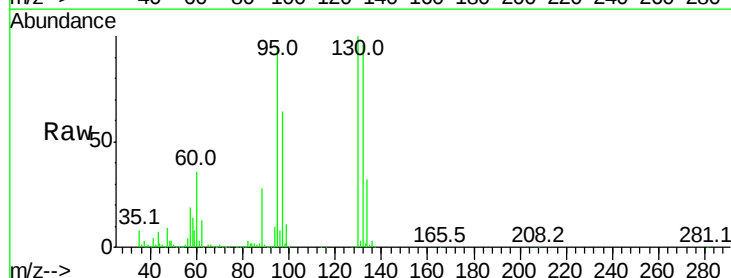
Ion Ratio Lower Upper

130 100

95 95.2 95.8 143.8#

132 96.0 74.3 111.5

97 63.7 62.6 94.0

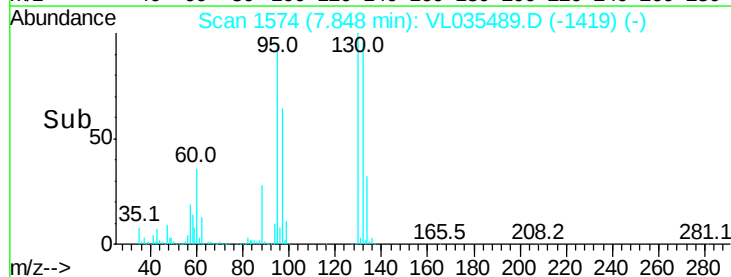
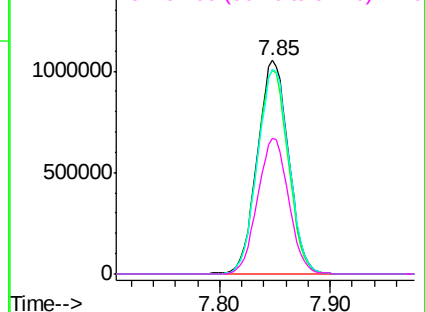


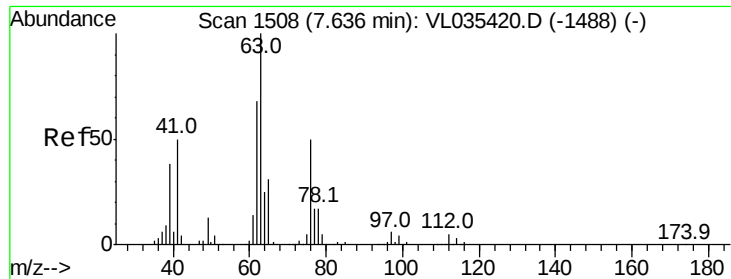
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.975 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

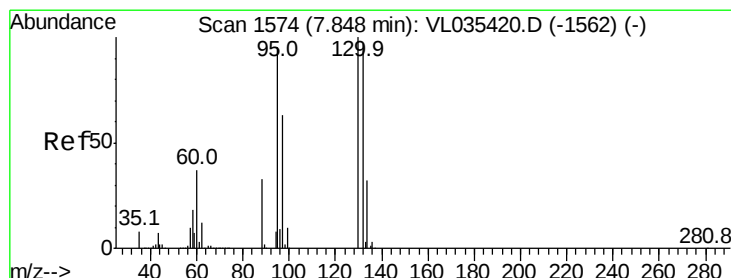
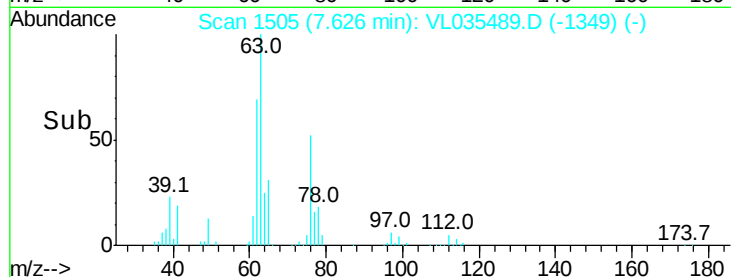
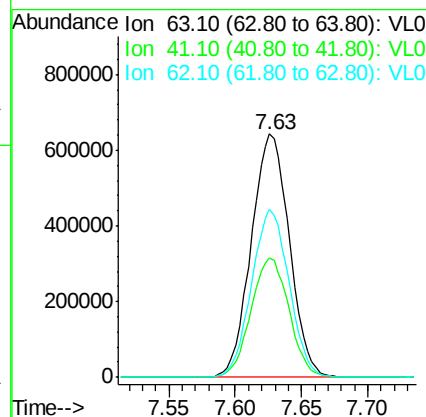
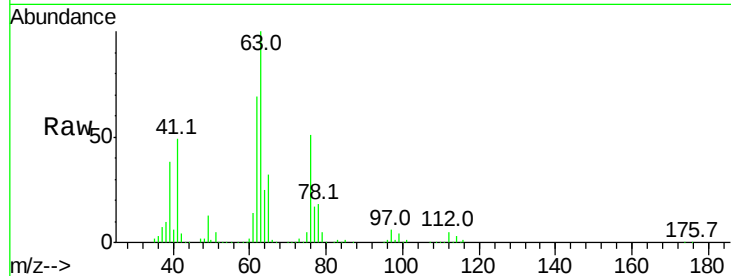
Tgt Ion: 63 Resp: 1284339

Ion Ratio Lower Upper

63 100

41 49.1 61.1 91.7#

62 68.8 55.3 82.9



#40

1,4-Dioxane

Concen: 11.478 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion: 88 Resp: 731632

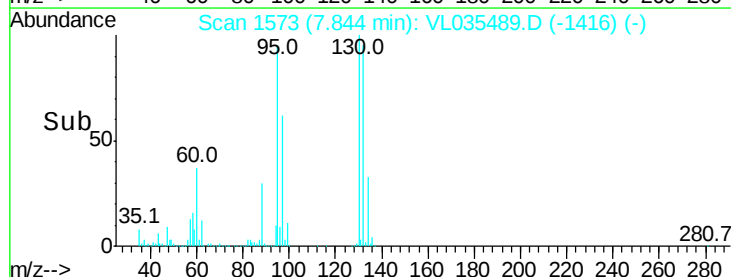
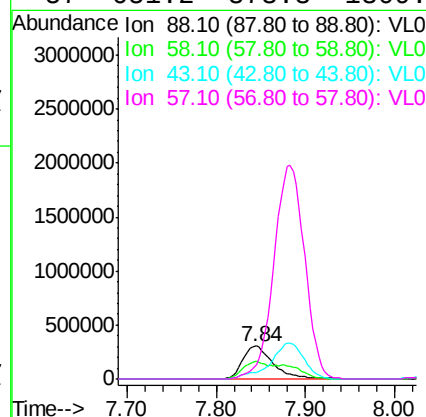
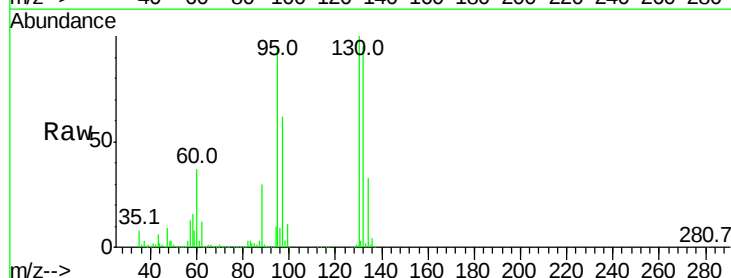
Ion Ratio Lower Upper

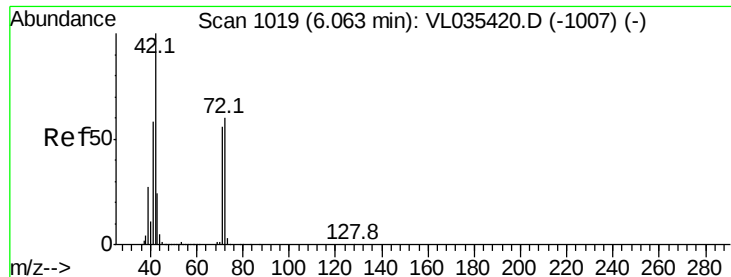
88 100

58 82.0 106.6 160.0#

43 119.7 209.7 314.5#

57 651.2 873.3 1309.9#





#41

Tetrahydrofuran

Concen: 11.124 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

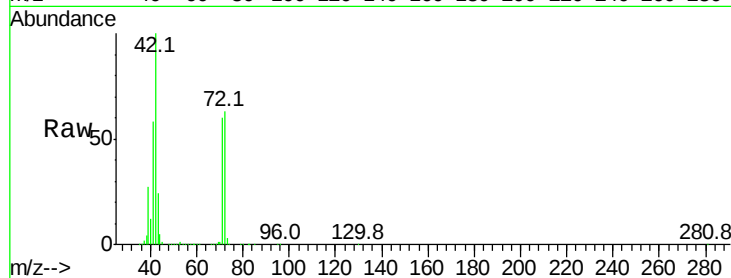
Tgt Ion: 42 Resp: 991737

Ion Ratio Lower Upper

42 100

72 63.0 29.4 44.2#

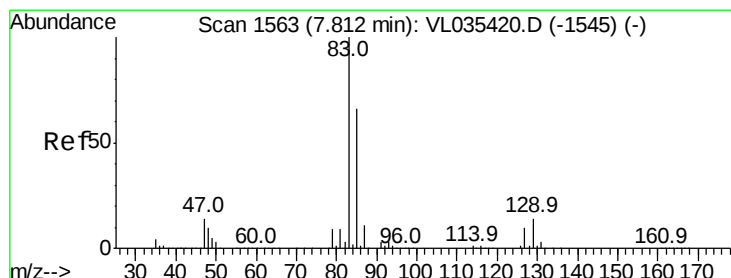
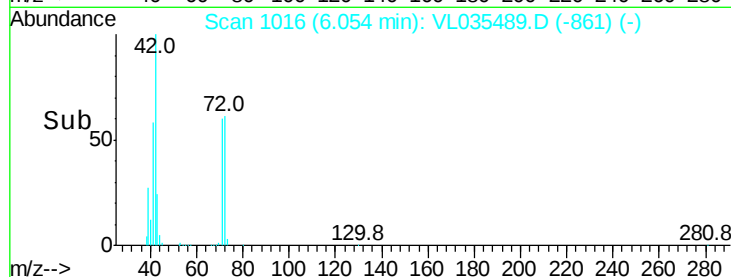
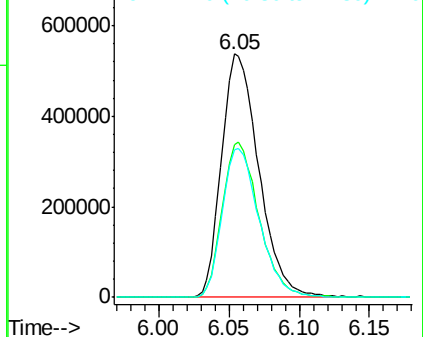
71 61.0 28.9 43.3#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.405 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

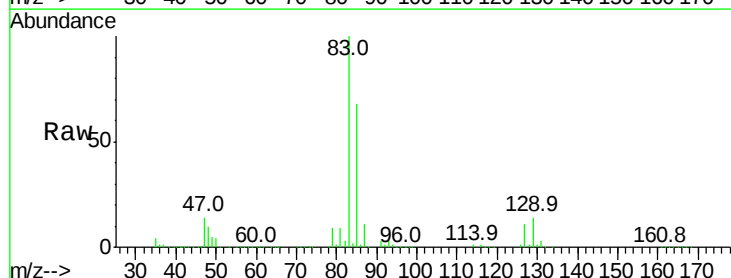
Tgt Ion: 83 Resp: 3096825

Ion Ratio Lower Upper

83 100

85 68.0 54.8 82.2

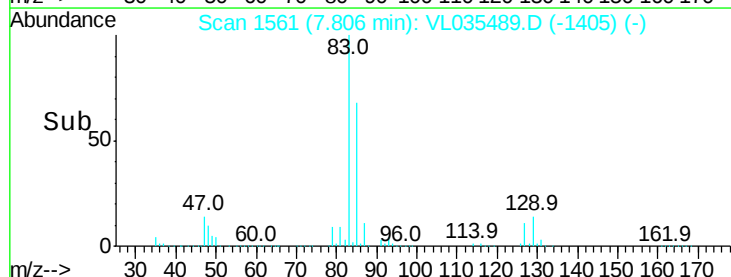
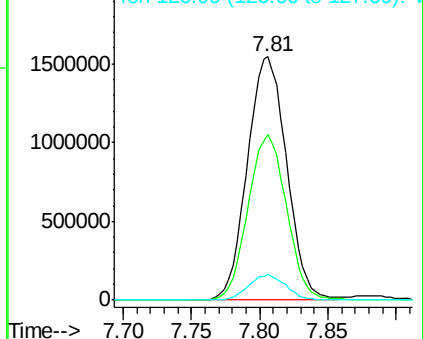
127 10.8 6.1 9.1#

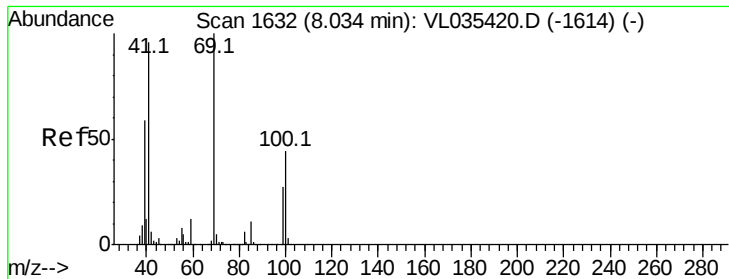


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

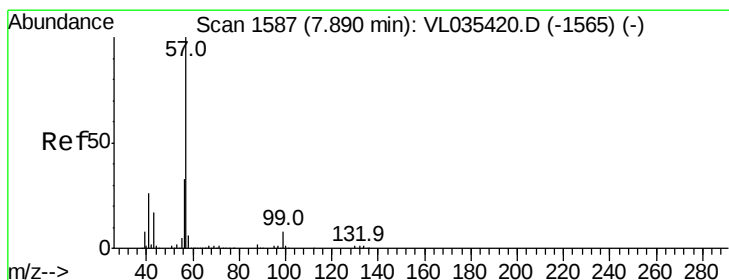
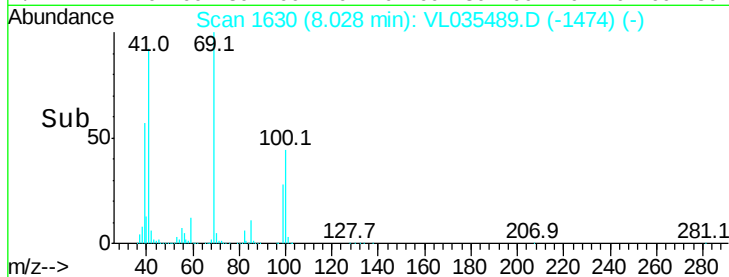
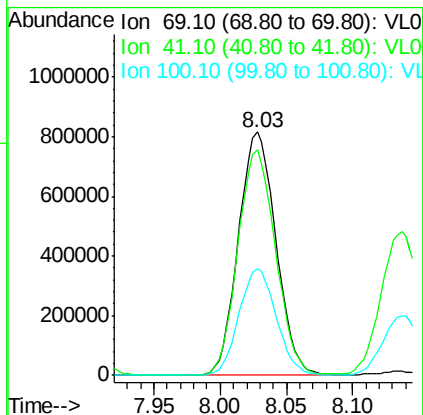
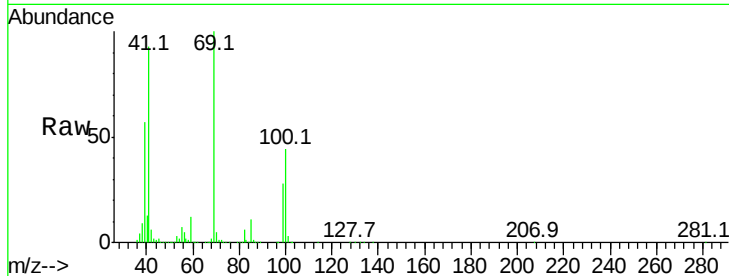




#43
Methyl Methacrylate
Concen: 11.569 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

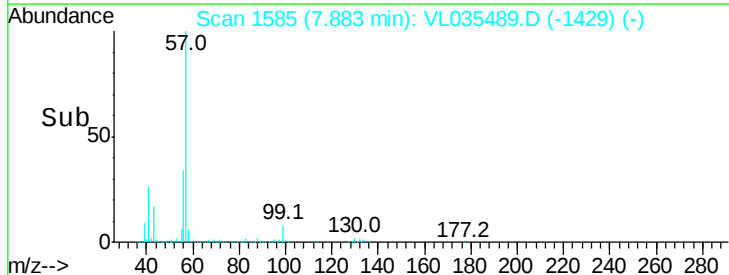
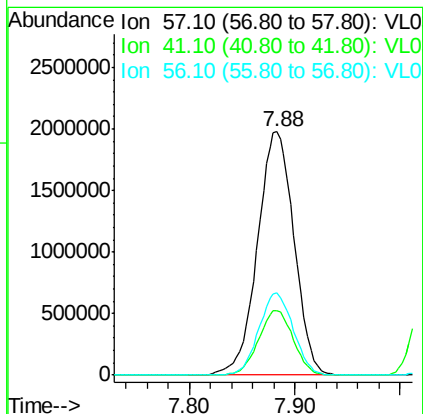
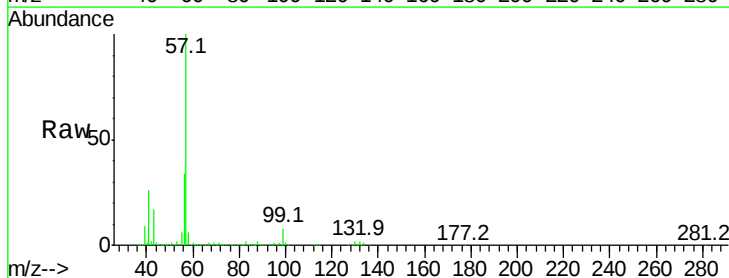
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

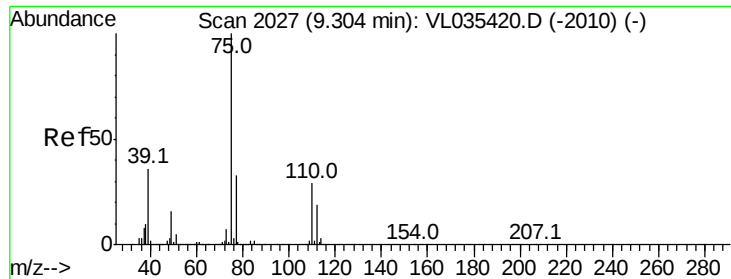
Tgt Ion: 69 Resp: 1606419
Ion Ratio Lower Upper
69 100
41 93.2 123.4 185.0#
100 43.5 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 10.259 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 57 Resp: 4756682
Ion Ratio Lower Upper
57 100
41 25.4 27.2 40.8#
56 31.9 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 12.870 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

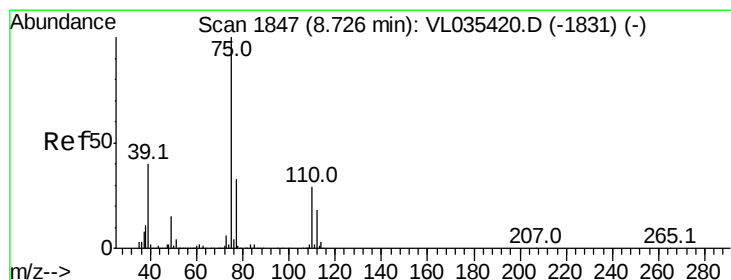
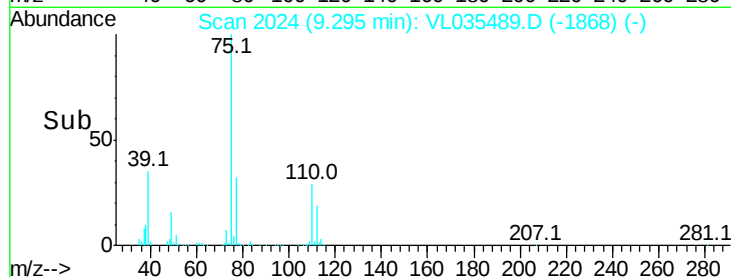
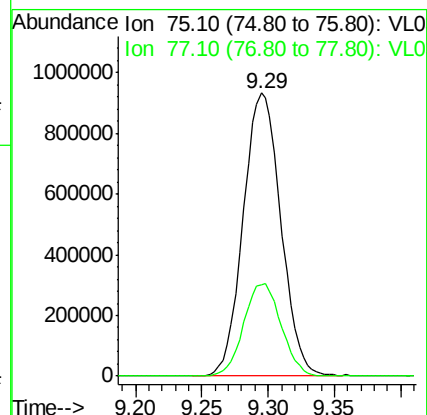
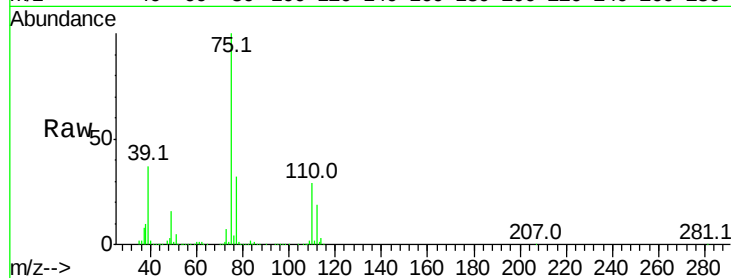
VSTDCCC010EC

Tgt Ion: 75 Resp: 1840691

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.6



#46

cis-1,3-Dichloropropene

Concen: 12.137 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

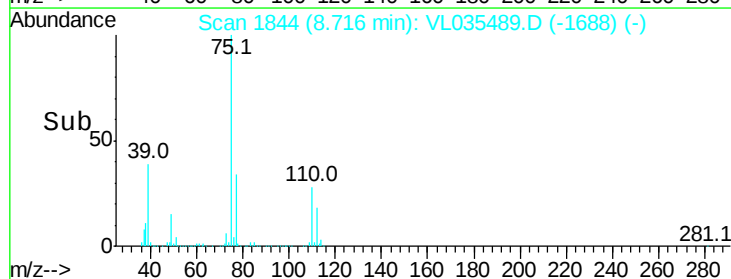
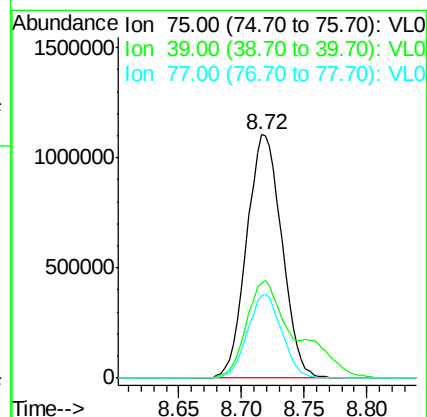
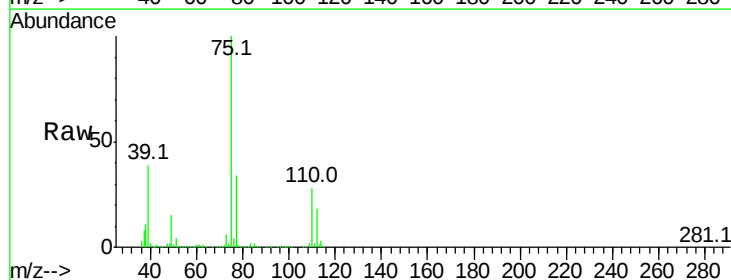
Tgt Ion: 75 Resp: 2162557

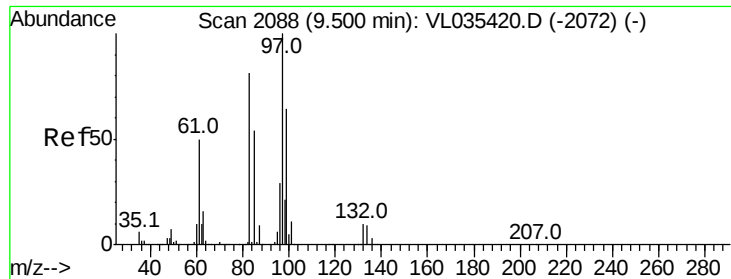
Ion Ratio Lower Upper

75 100

39 39.2 55.8 83.6#

77 33.6 25.6 38.4





#47

1,1,2-Trichloroethane

Concen: 10.948 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1913530

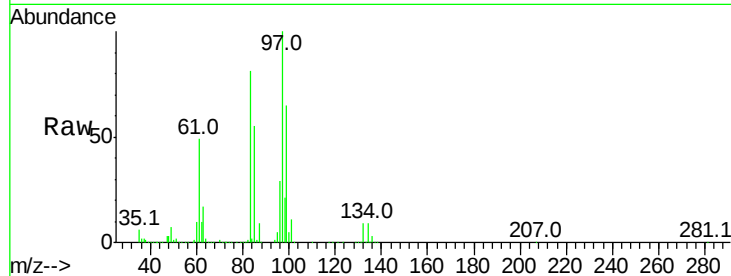
Ion Ratio Lower Upper

97 100

83 80.7 72.1 108.1

85 55.1 46.8 70.2

99 64.8 48.6 73.0

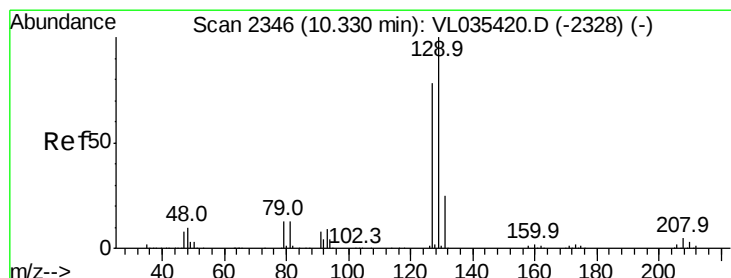
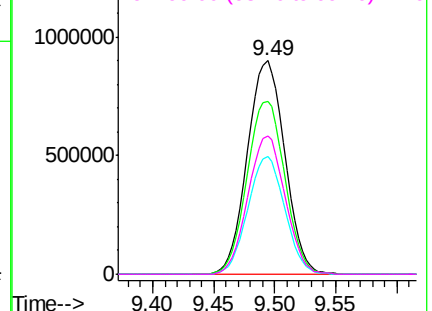
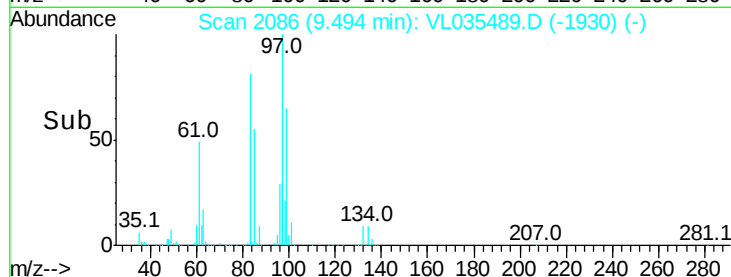


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.277 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. 0.00 min

Lab File: VL035489.D

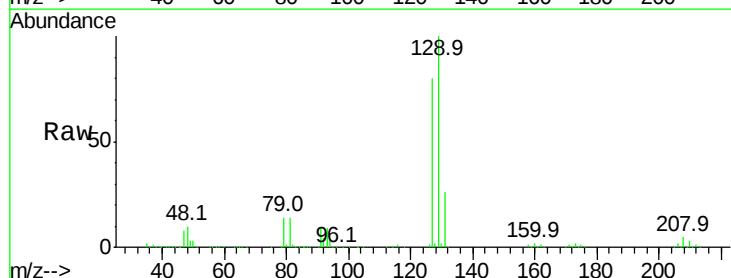
Acq: 21 Aug 2020 8:07

Tgt Ion: 129 Resp: 3306612

Ion Ratio Lower Upper

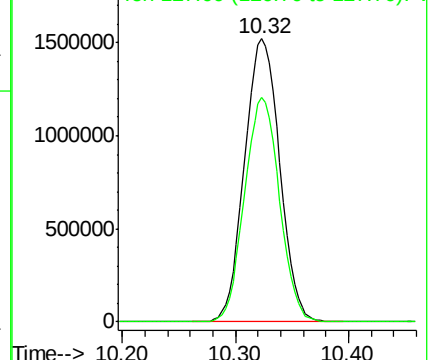
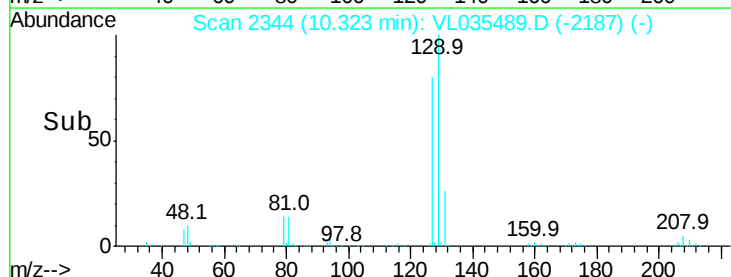
129 100

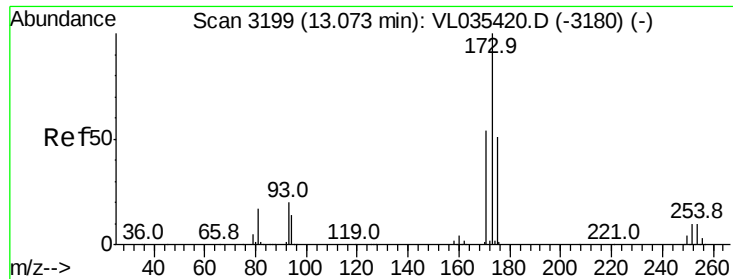
127 78.7 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.294 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

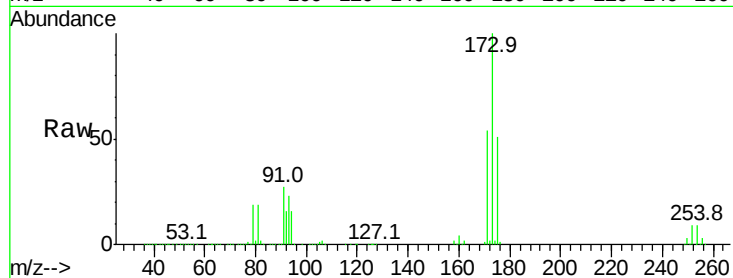
Tgt Ion:173 Resp: 3190160

Ion Ratio Lower Upper

173 100

175 50.4 39.8 59.8

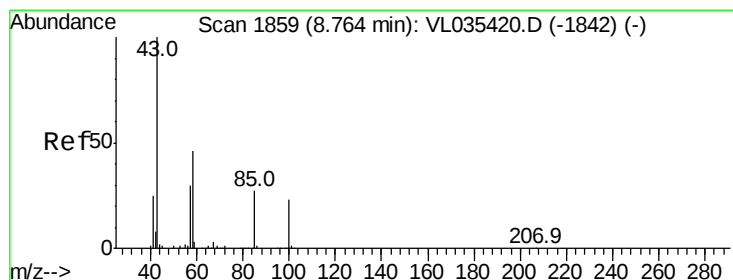
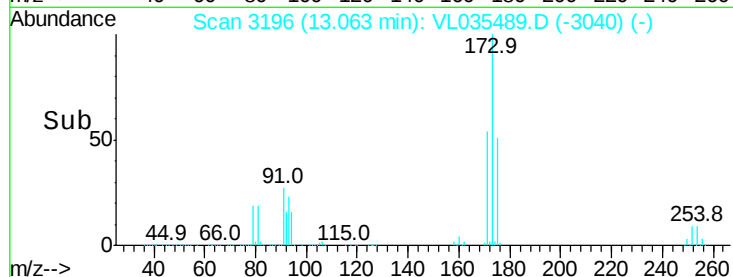
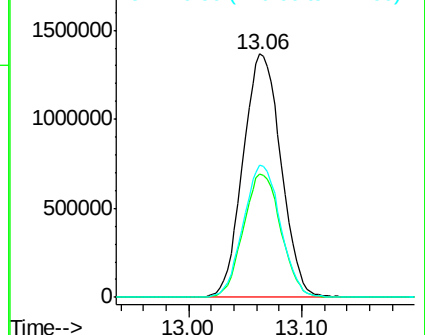
171 53.6 42.4 63.6



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: 10.828 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VL035489.D

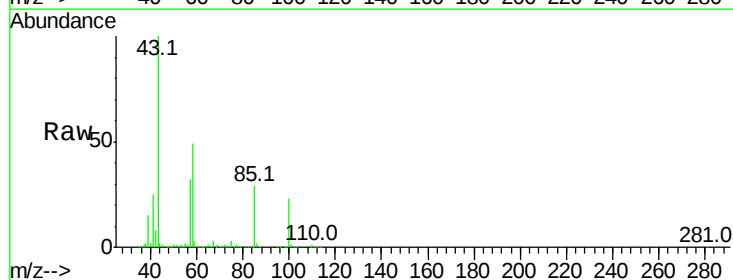
Acq: 21 Aug 2020 8:07

Tgt Ion: 43 Resp: 2510531

Ion Ratio Lower Upper

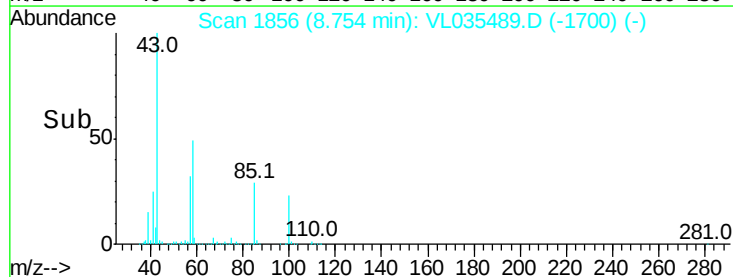
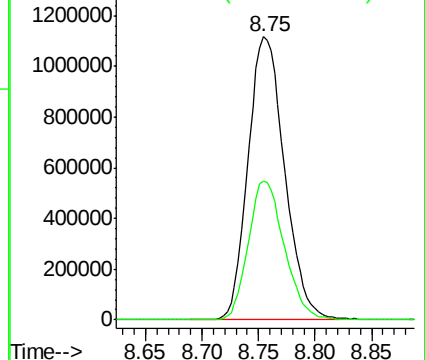
43 100

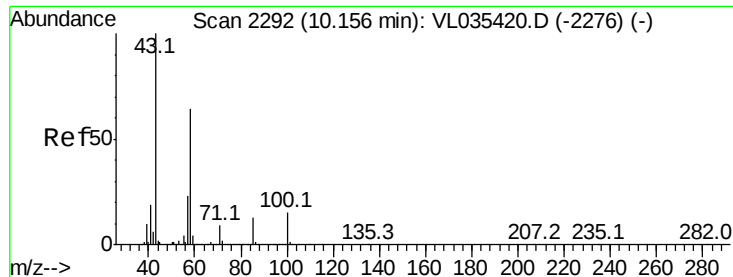
58 48.4 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

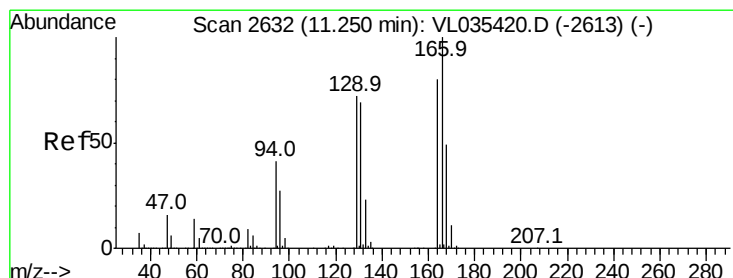
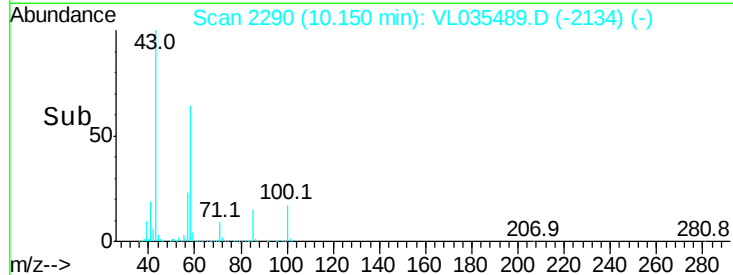
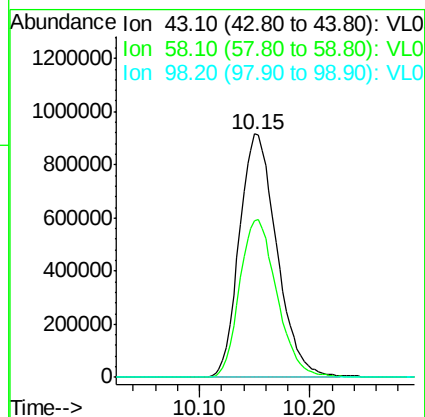
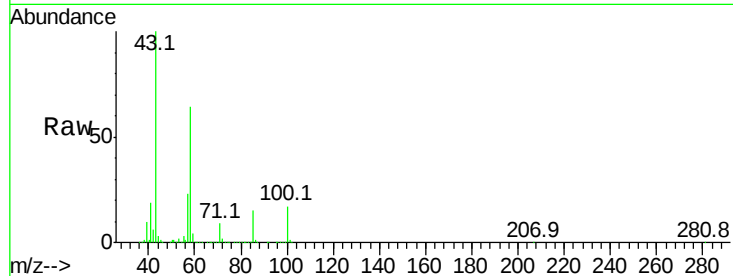




#51
2-Hexanone
Concen: 11.031 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

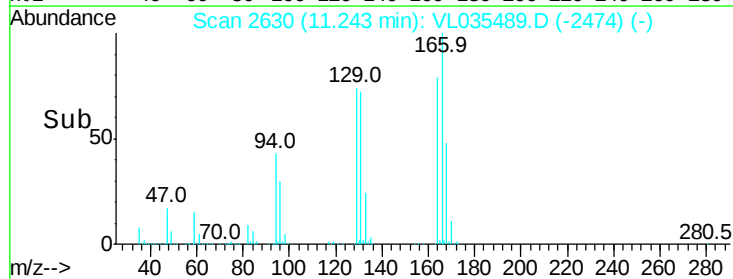
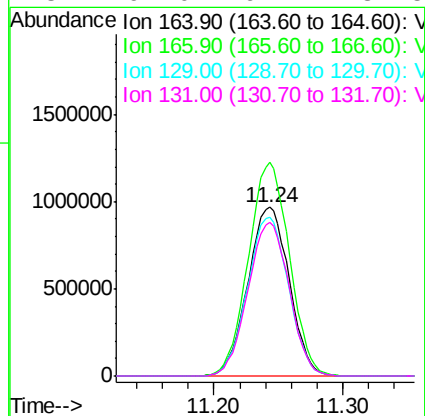
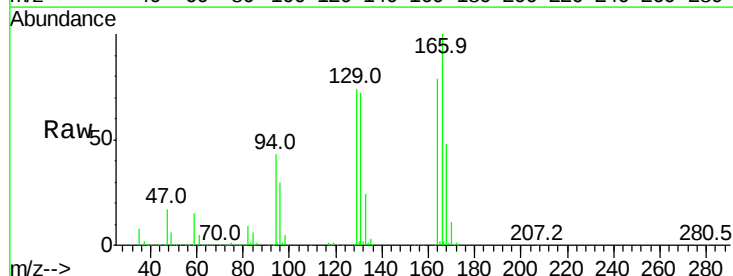
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

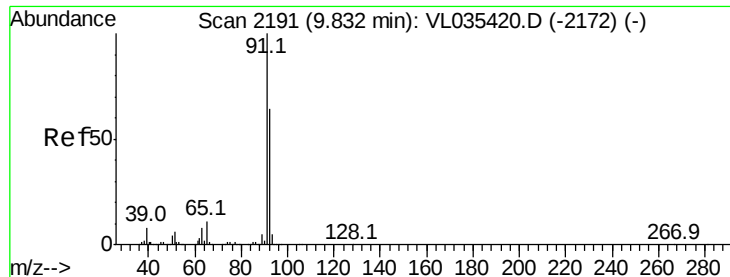
Tgt Ion: 43 Resp: 2155717
Ion Ratio Lower Upper
43 100
58 64.8 38.6 58.0#
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.979 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 164 Resp: 2161154
Ion Ratio Lower Upper
164 100
166 126.6 103.4 155.0
129 94.0 90.2 135.4
131 91.0 91.7 137.5#





#53

Toluene

Concen: 10.698 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

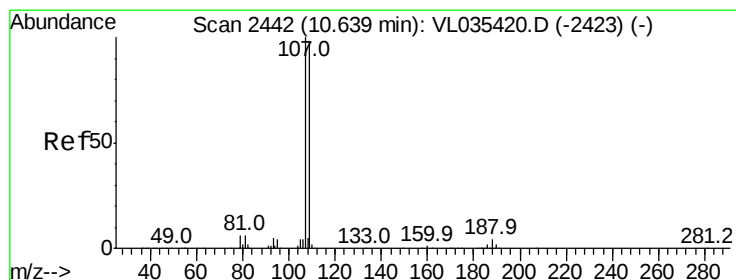
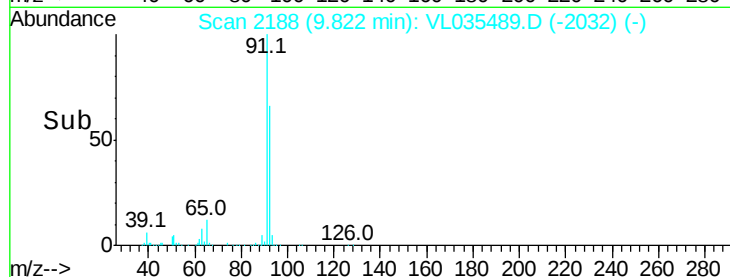
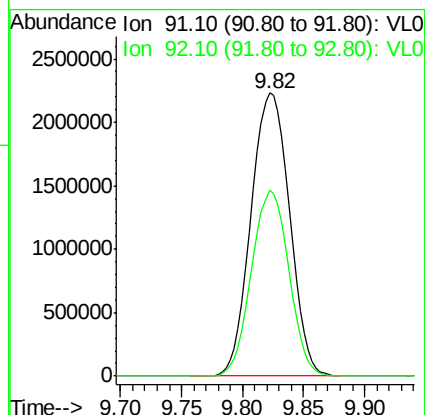
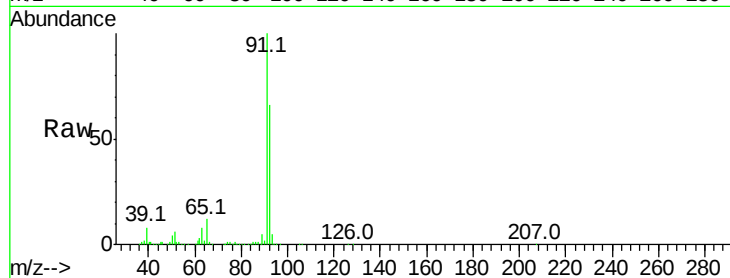
VSTDCCC010EC

Tgt Ion: 91 Resp: 4892551

Ion Ratio Lower Upper

91 100

92 63.7 49.1 73.7



#54

1,2-Dibromoethane

Concen: 10.829 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL035489.D

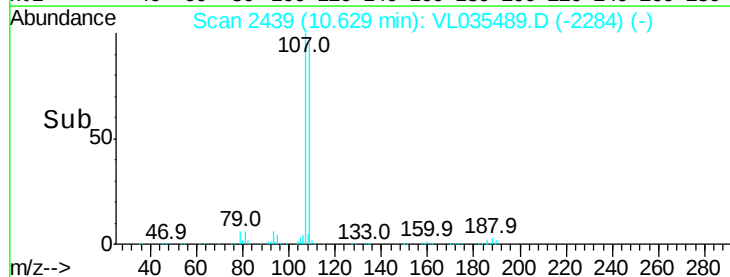
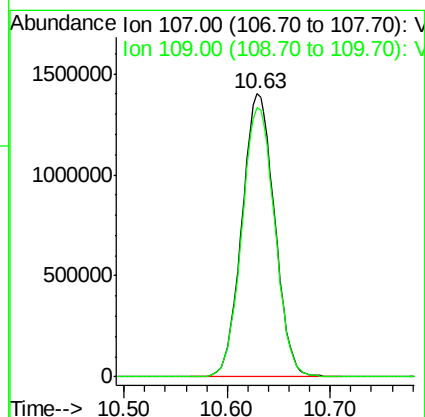
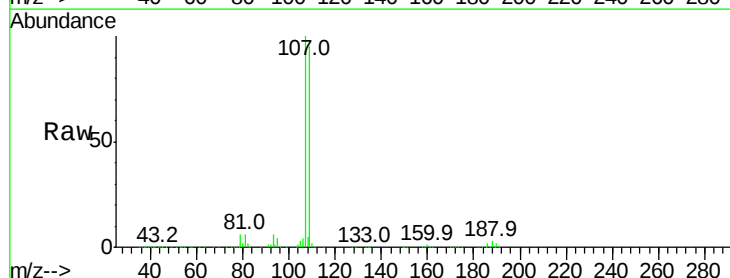
Acq: 21 Aug 2020 8:07

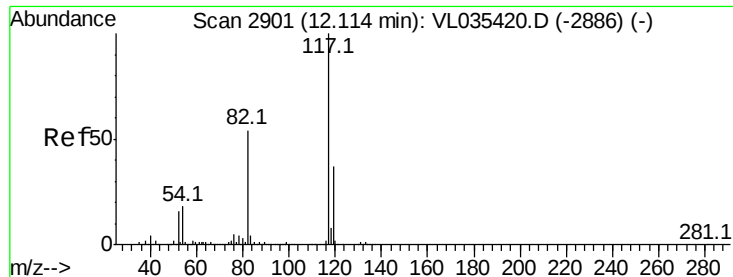
Tgt Ion: 107 Resp: 3073907

Ion Ratio Lower Upper

107 100

109 95.0 75.1 112.7

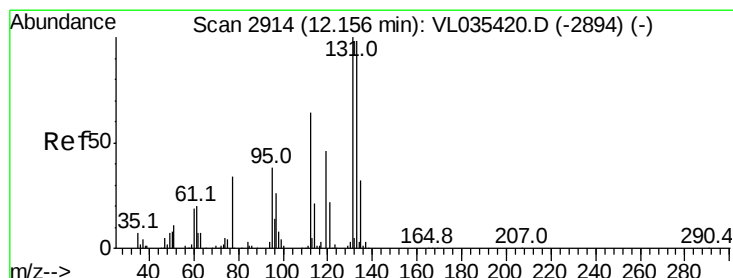
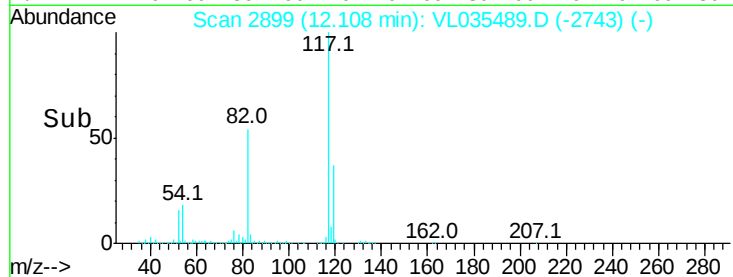
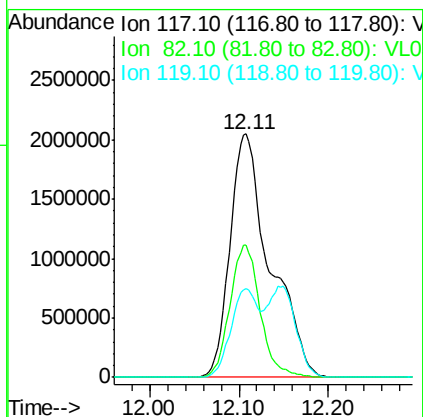
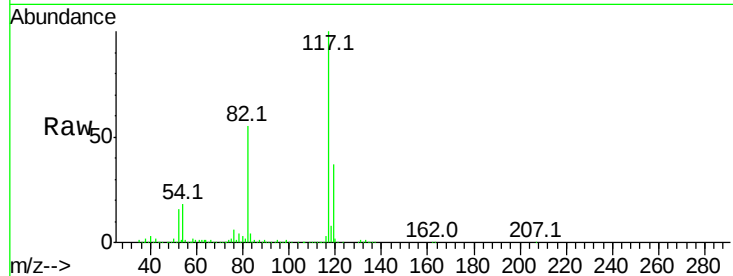




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

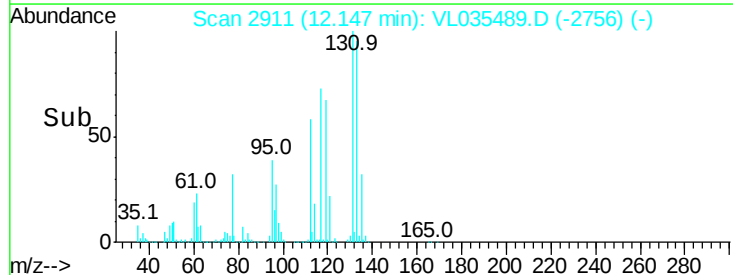
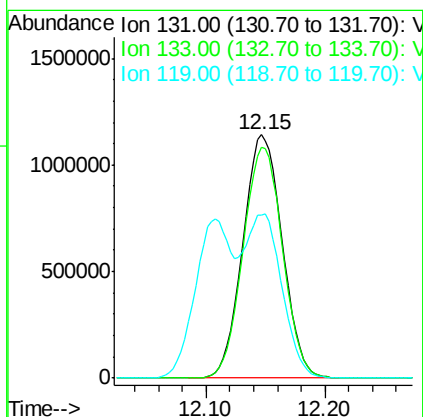
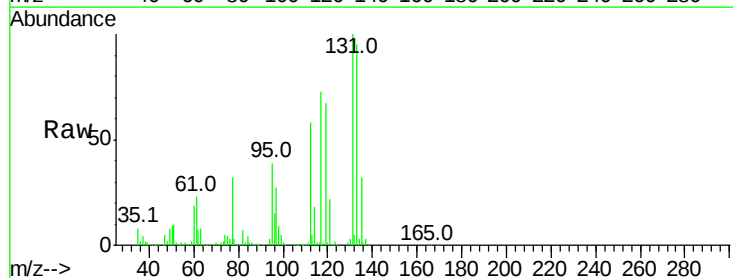
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

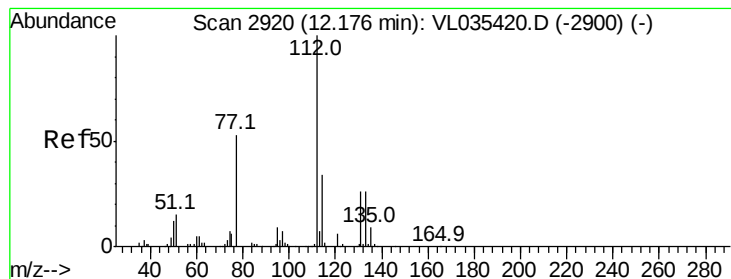
Tgt Ion:117 Resp: 6392598
Ion Ratio Lower Upper
117 100
82 40.9 57.4 86.0#
119 22.8 28.4 42.6#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.607 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion:131 Resp: 2609871
Ion Ratio Lower Upper
131 100
133 95.7 76.1 114.1
119 71.6 50.7 76.1





#57

Chlorobenzene

Concen: 7.950 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

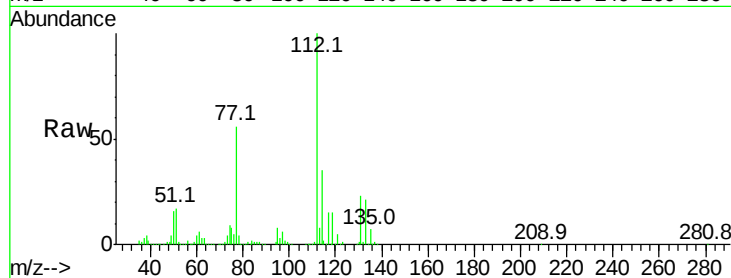
Tgt Ion: 112 Resp: 4242038

Ion Ratio Lower Upper

112 100

77 56.1 60.6 91.0#

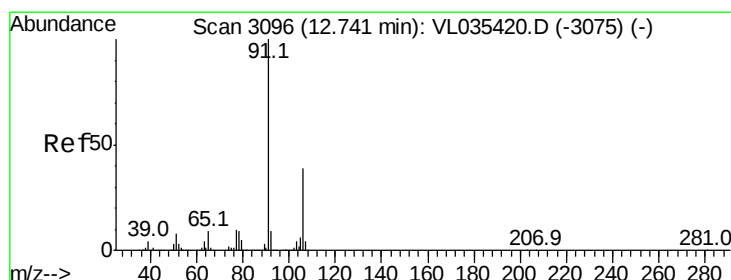
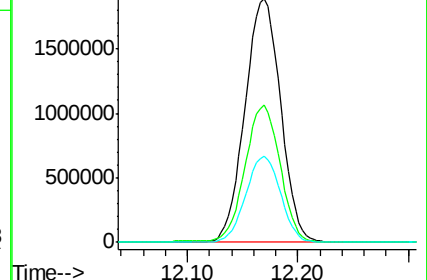
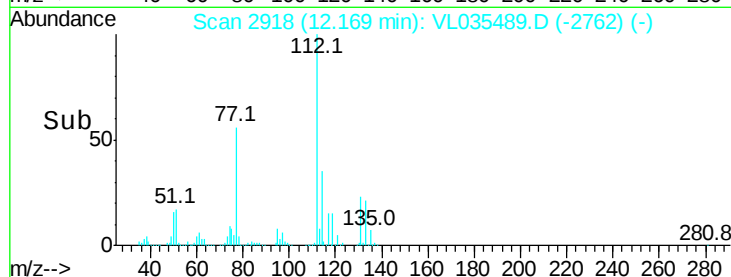
114 35.2 28.5 34.9#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.238 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.00 min

Lab File: VL035489.D

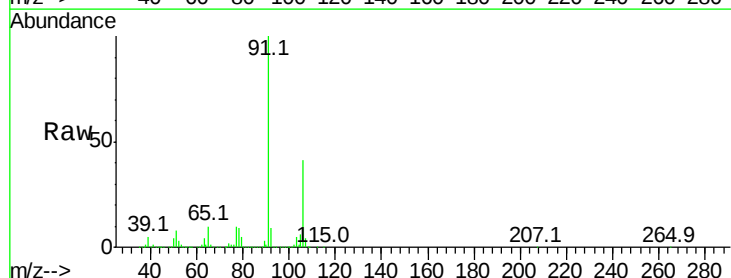
Acq: 21 Aug 2020 8:07

Tgt Ion: 91 Resp: 6357073

Ion Ratio Lower Upper

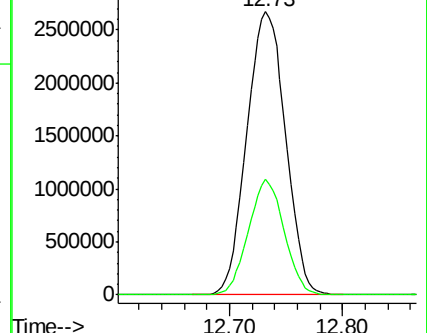
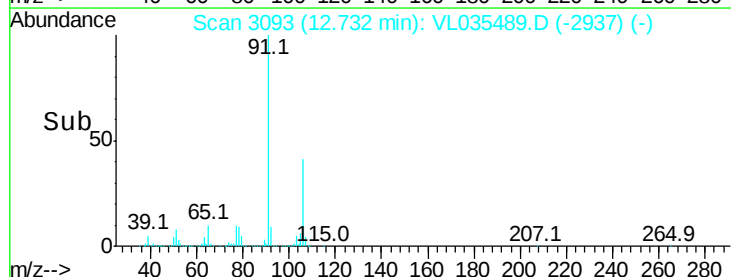
91 100

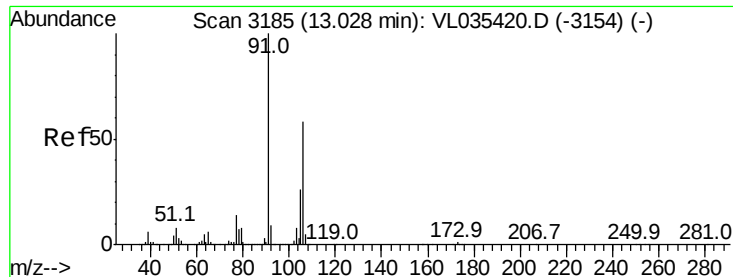
106 40.8 24.1 36.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

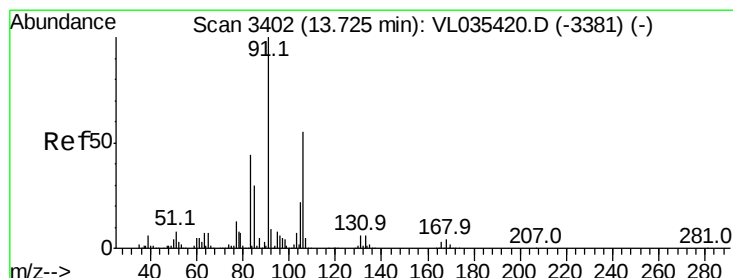
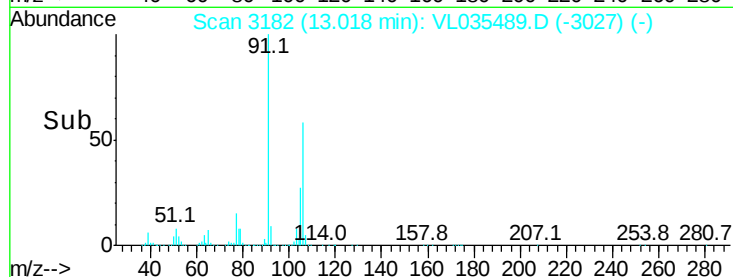
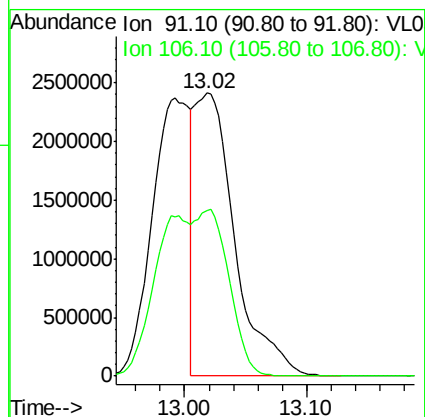
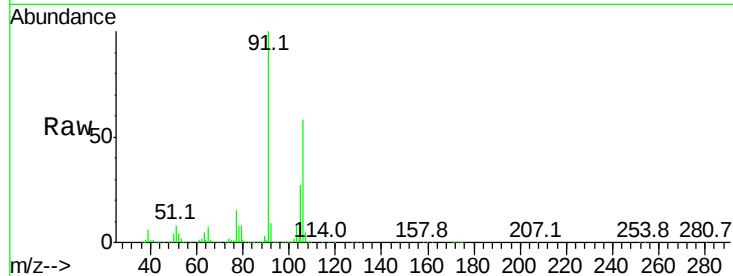




#59
m/p-Xylene
Concen: 8.404 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

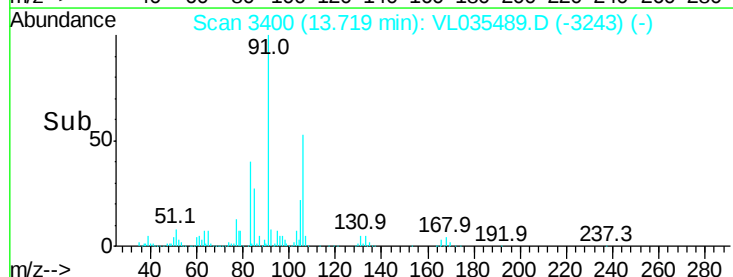
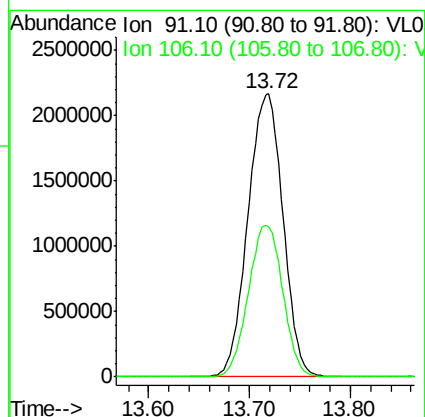
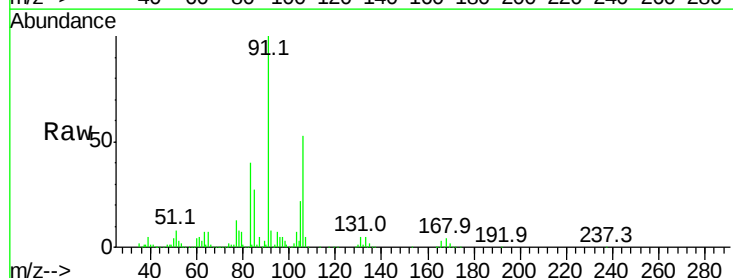
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

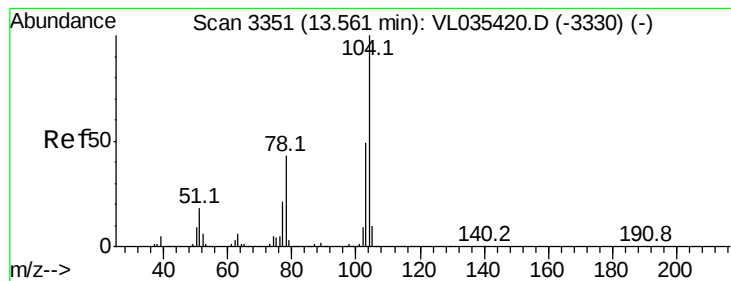
Tgt Ion: 91 Resp: 5482009
Ion Ratio Lower Upper
91 100
106 103.0 34.0 51.0#



#60
o-Xylene
Concen: 8.232 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 91 Resp: 5219317
Ion Ratio Lower Upper
91 100
106 52.6 21.8 65.3





#61

Styrene

Concen: 8.685 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

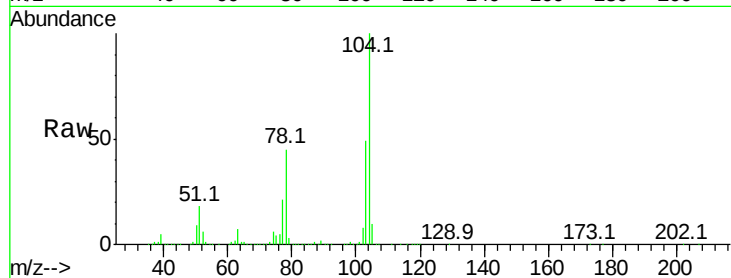
Tgt Ion:104 Resp: 4449170

Ion Ratio Lower Upper

104 100

78 43.7 45.4 68.2#

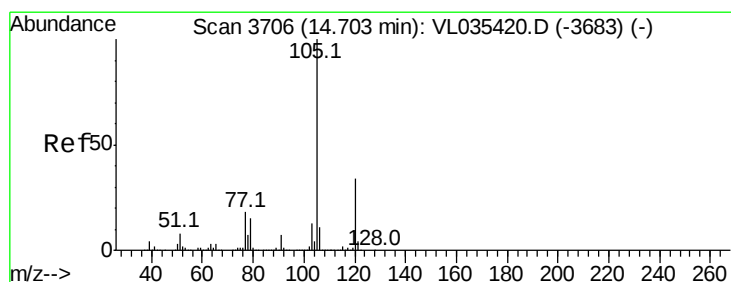
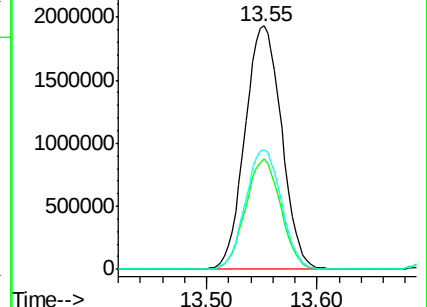
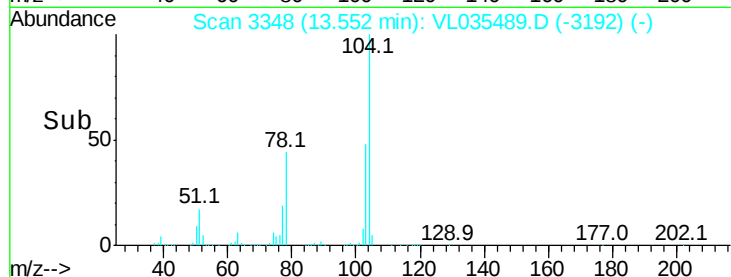
103 48.3 37.8 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.694 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. 0.00 min

Lab File: VL035489.D

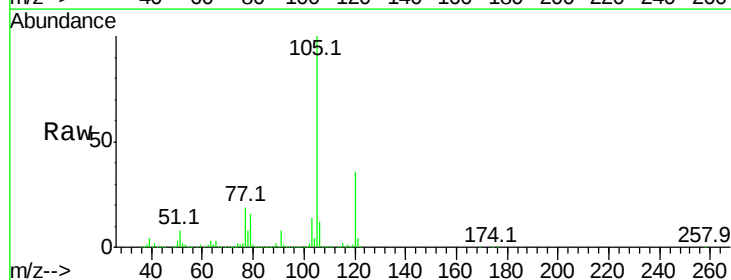
Acq: 21 Aug 2020 8:07

Tgt Ion:105 Resp: 7995026

Ion Ratio Lower Upper

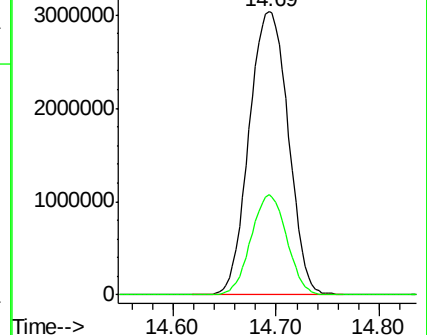
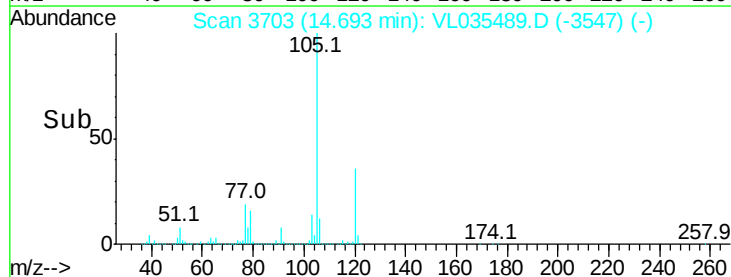
105 100

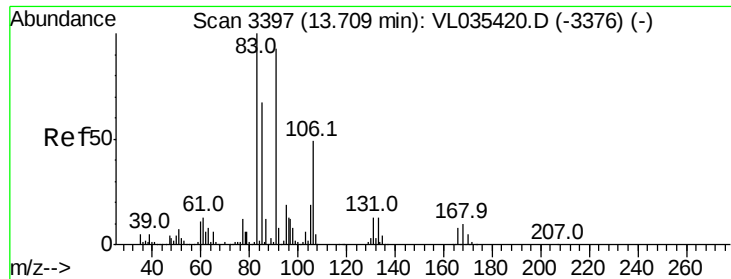
120 32.4 20.3 30.5#



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: 8.074 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

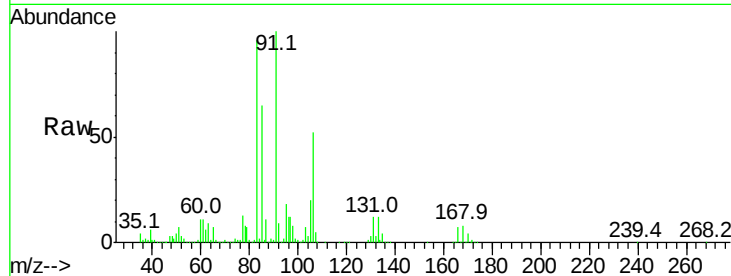
Tgt Ion: 83 Resp: 3677266

Ion Ratio Lower Upper

83 100

131 12.4 4.5 13.4

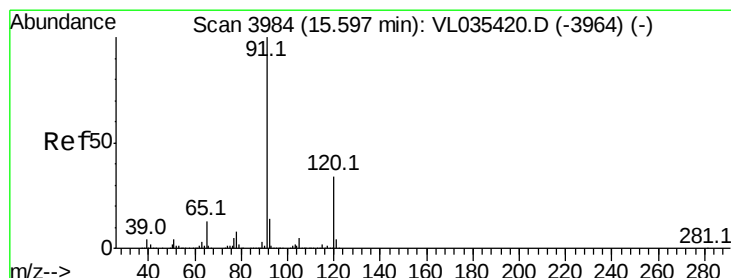
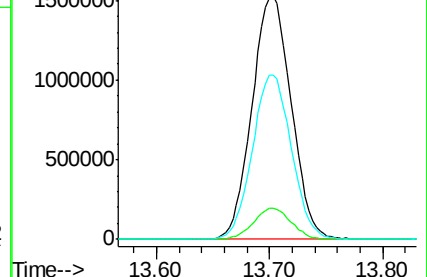
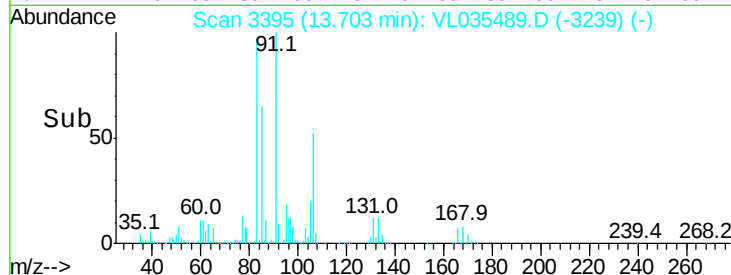
85 67.3 32.7 98.1



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: 8.423 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. 0.00 min

Lab File: VL035489.D

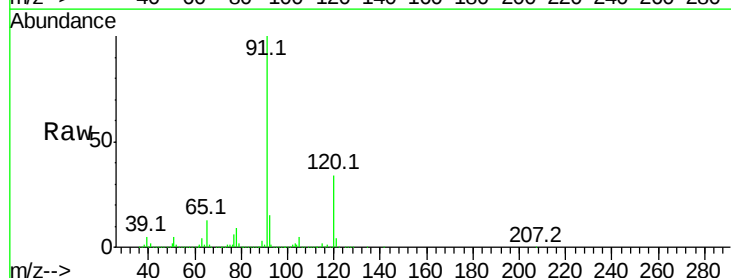
Acq: 21 Aug 2020 8:07

Tgt Ion: 120 Resp: 2697652

Ion Ratio Lower Upper

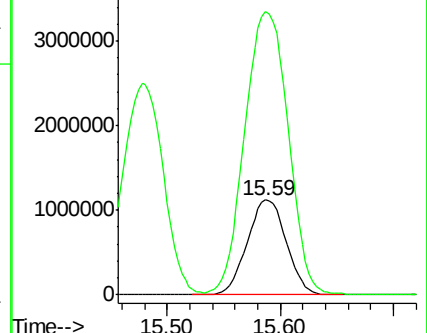
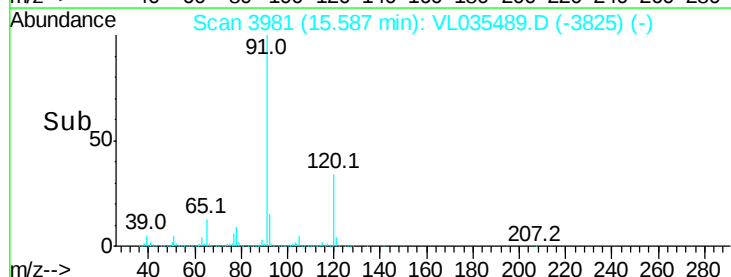
120 100

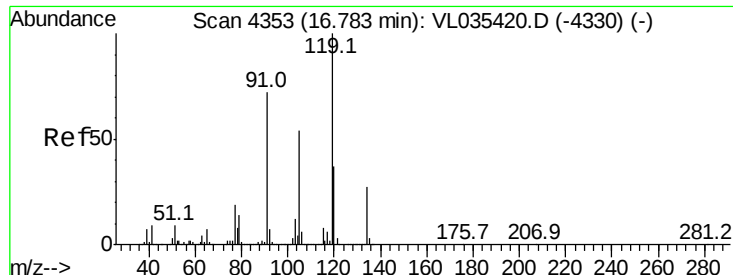
91 332.3 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

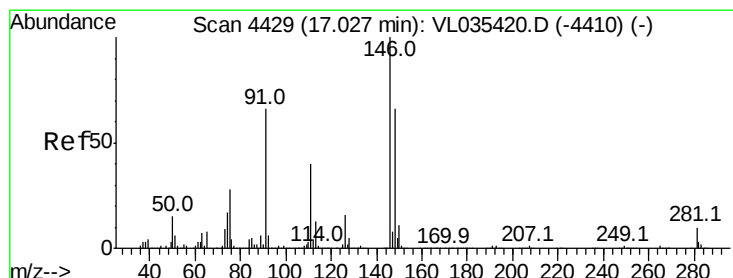
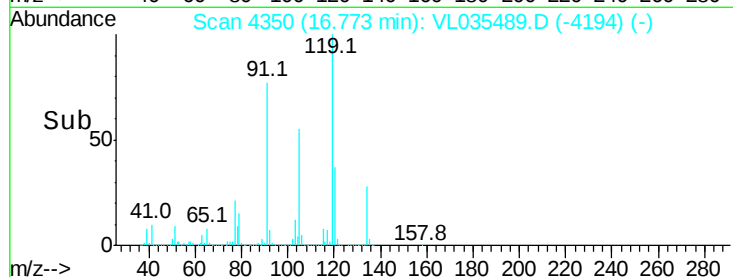
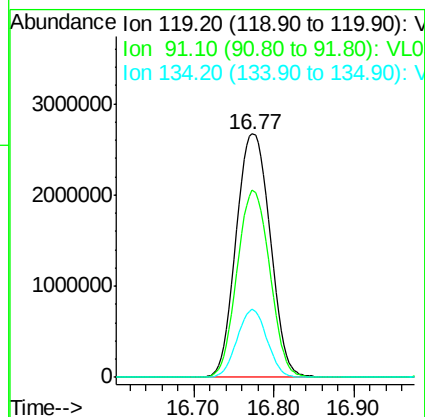
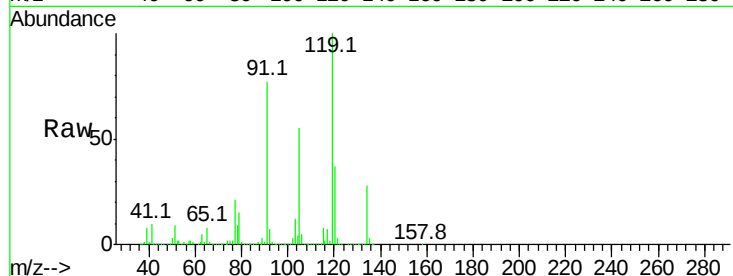




#65
 tert-Butylbenzene
 Concen: 7.631 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

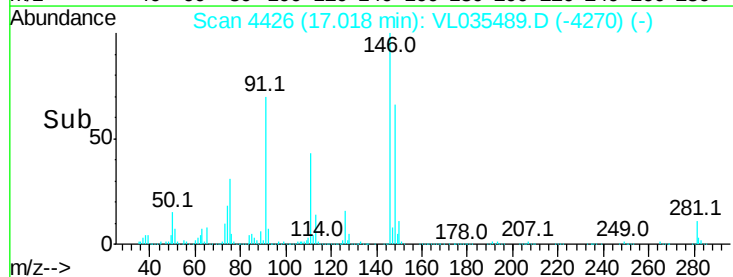
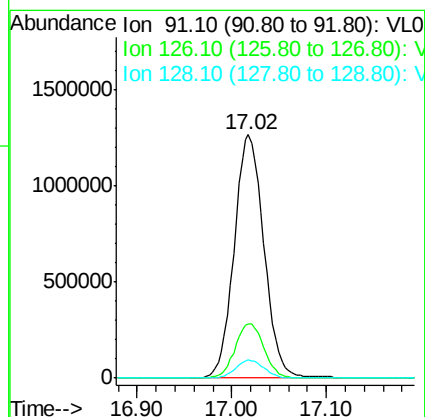
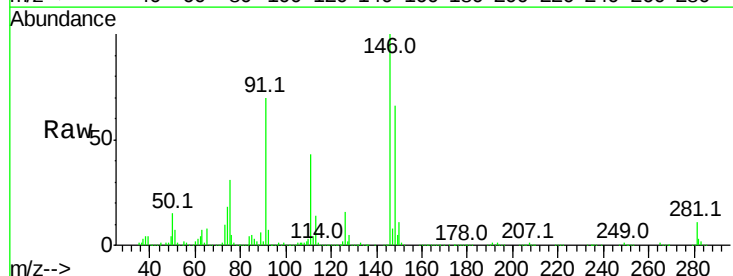
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

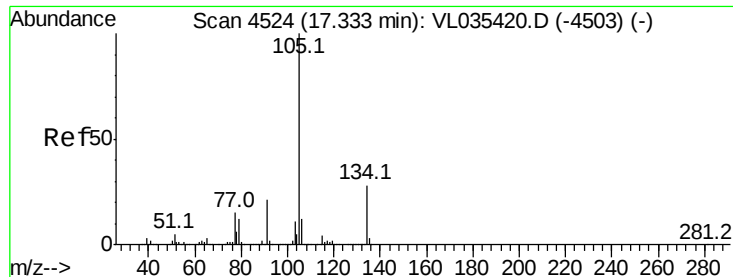
Tgt Ion: 119 Resp: 7705383
 Ion Ratio Lower Upper
 119 100
 91 73.6 72.0 108.0
 134 24.4 15.7 23.5#



#66
 Benzyl Chloride
 Concen: 11.321 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion: 91 Resp: 2749804
 Ion Ratio Lower Upper
 91 100
 126 22.0 13.3 19.9#
 128 7.1 4.1 6.1#

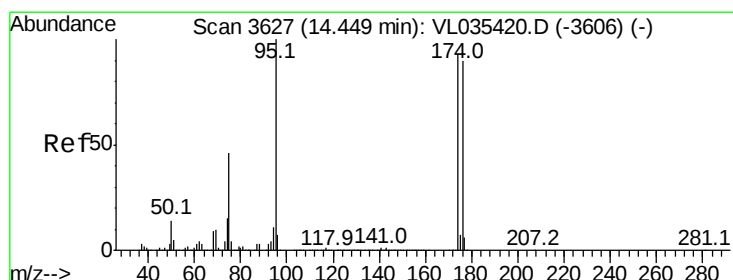
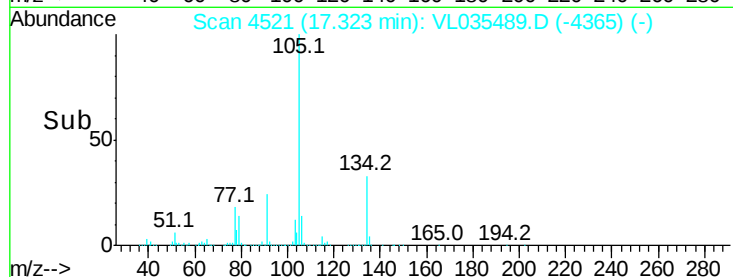
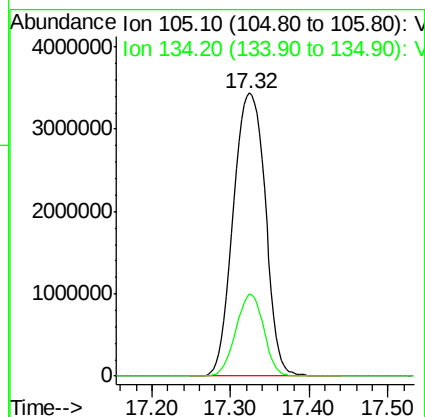
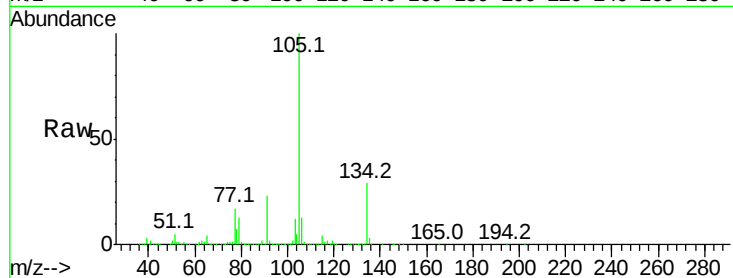




#67
 sec-Butylbenzene
 Concen: 7.373 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

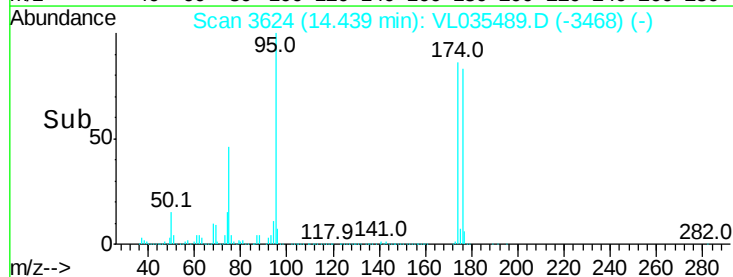
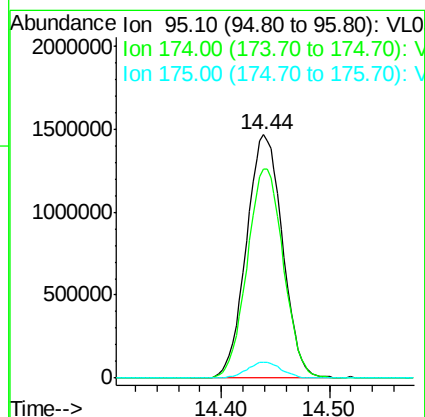
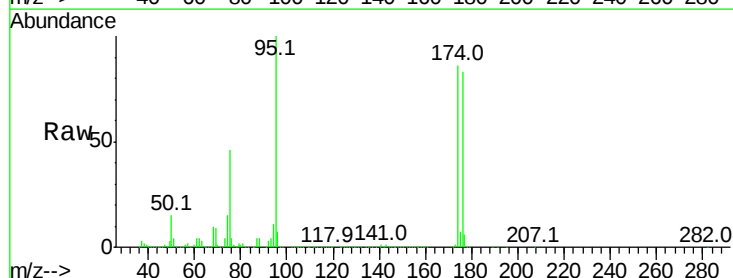
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

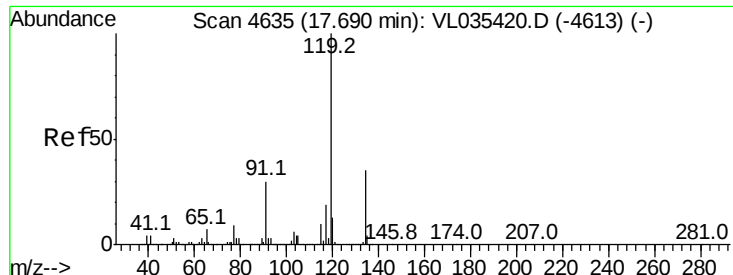
Tgt Ion: 105 Resp: 9798501
 Ion Ratio Lower Upper
 105 100
 134 25.3 14.1 21.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.614 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion: 95 Resp: 3407448
 Ion Ratio Lower Upper
 95 100
 174 86.8 44.0 66.0#
 175 6.3 3.2 4.8#

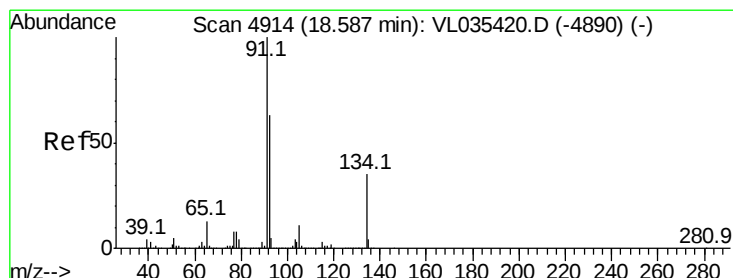
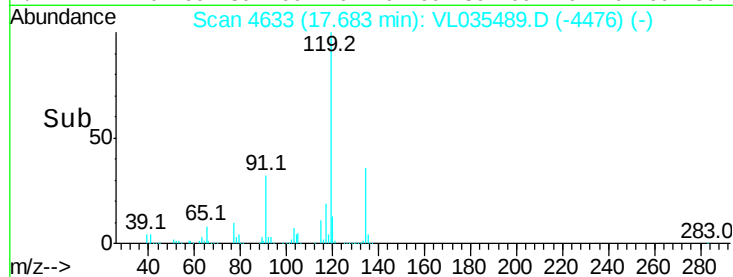
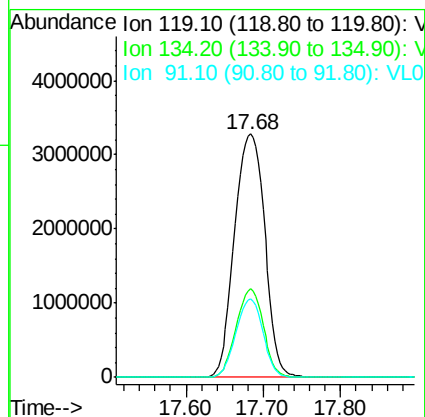
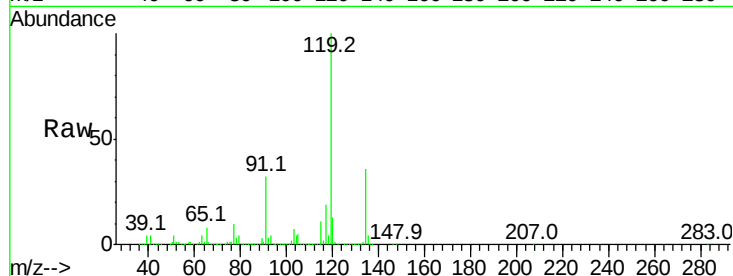




#69
 p-Isopropyltoluene
 Concen: 7.554 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

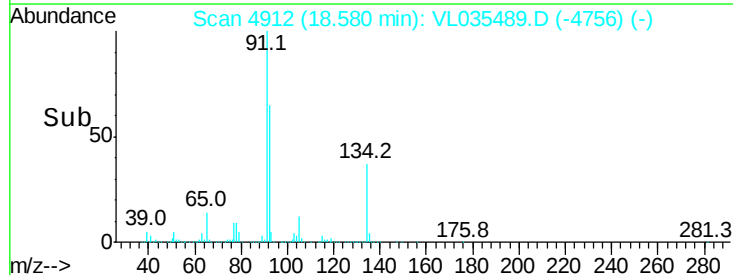
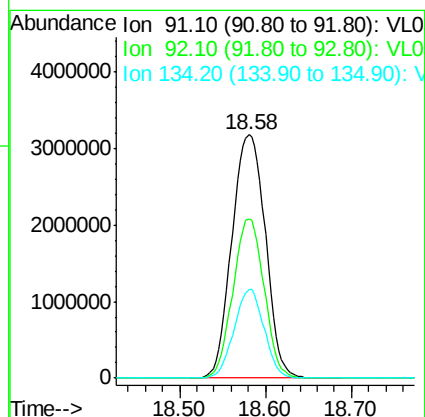
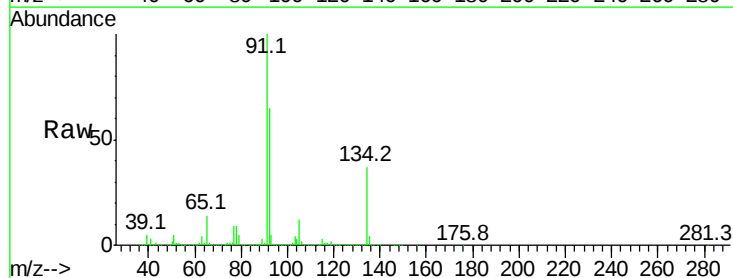
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

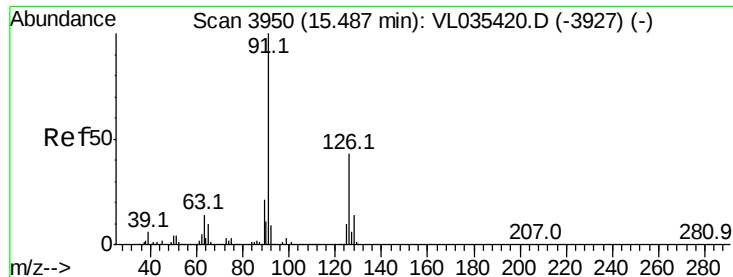
Tgt Ion: 119 Resp: 8907542
 Ion Ratio Lower Upper
 119 100
 134 32.6 20.6 30.8#
 91 28.9 26.6 39.8



#70
 n-Butylbenzene
 Concen: 7.705 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion: 91 Resp: 8581837
 Ion Ratio Lower Upper
 91 100
 92 60.8 44.8 67.2
 134 32.7 17.3 25.9#





#71

2-Chlorotoluene

Concen: 8.231 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

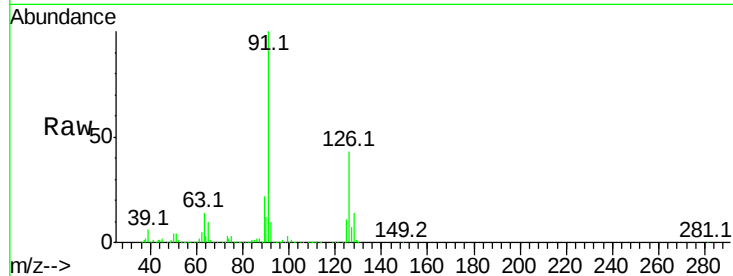
VSTDCCC010EC

Tgt Ion: 91 Resp: 6205705

Ion Ratio Lower Upper

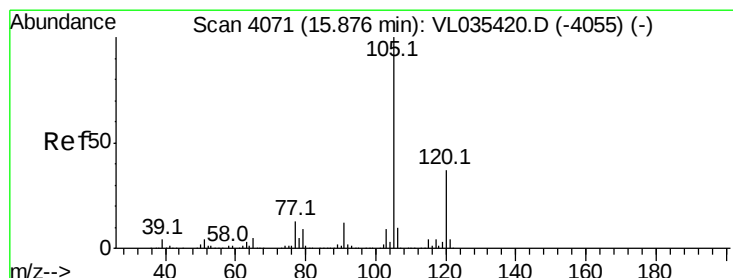
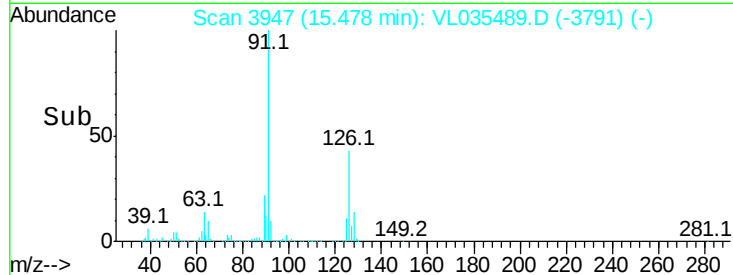
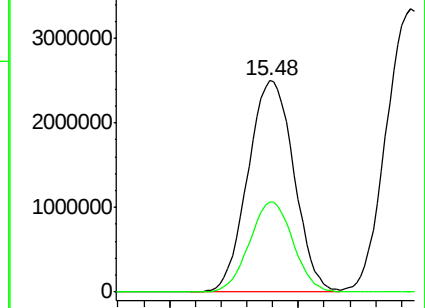
91 100

126 40.6 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: 8.165 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion: 105 Resp: 6793654

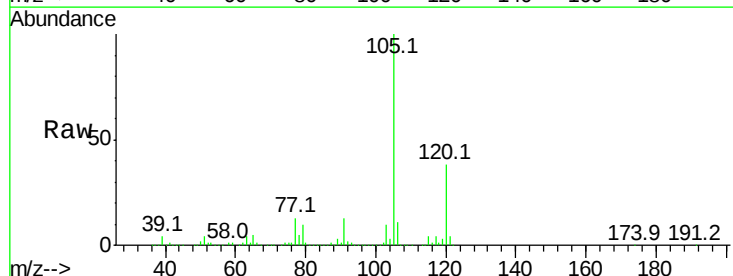
Ion Ratio Lower Upper

105 100

120 35.5 22.7 34.1#

91 12.4 10.8 16.2

77 12.1 11.9 17.9

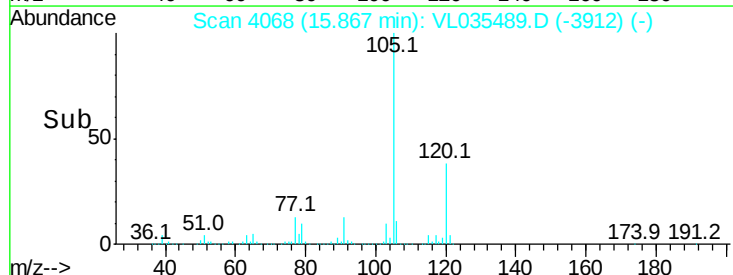
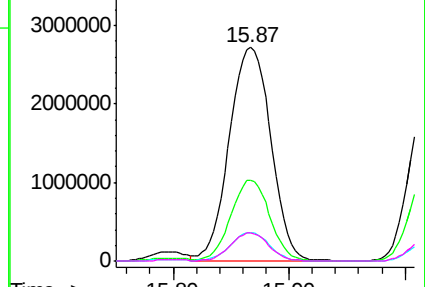


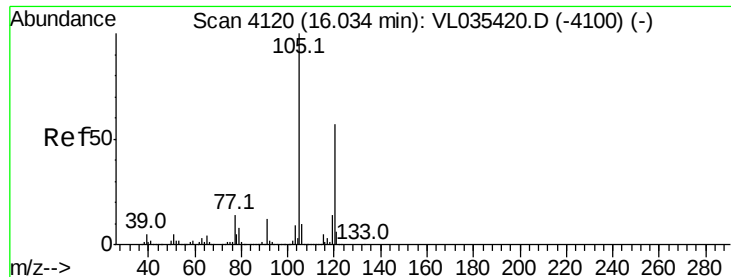
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.154 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

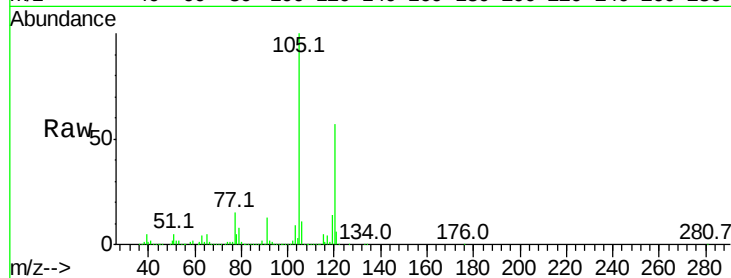
VSTDCCC010EC

Tgt Ion:105 Resp: 6312568

Ion Ratio Lower Upper

105 100

120 56.7 35.6 53.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

2500000

2000000

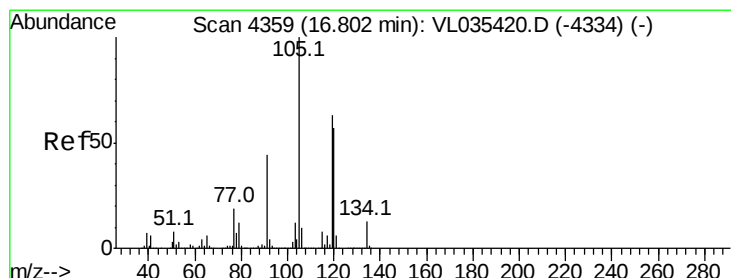
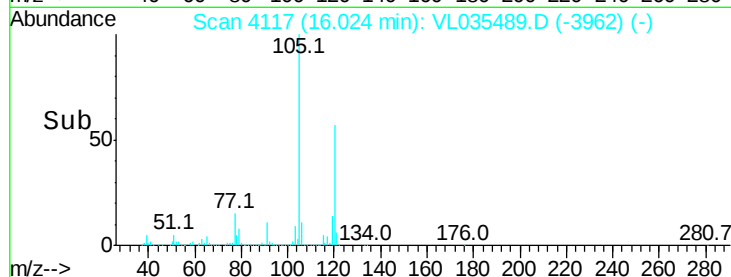
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.788 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion:105 Resp: 6550819

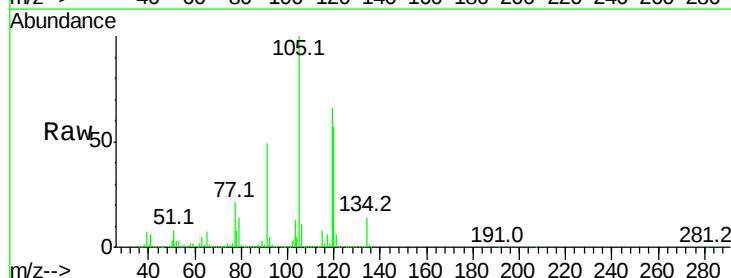
Ion Ratio Lower Upper

105 100

120 56.8 37.8 56.8#

91 49.4 40.0 60.0

77 20.7 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

4000000

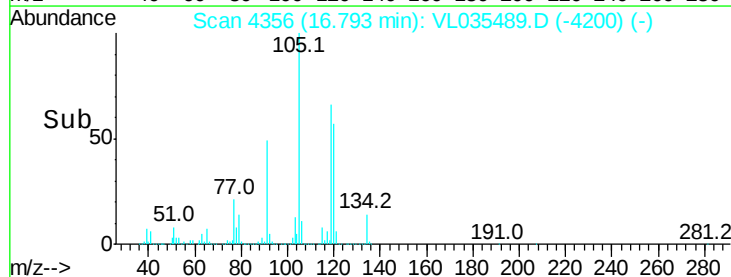
3000000

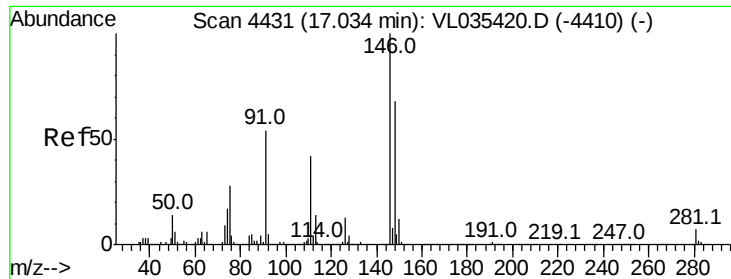
2000000

1000000

0

Time--> 16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 7.567 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

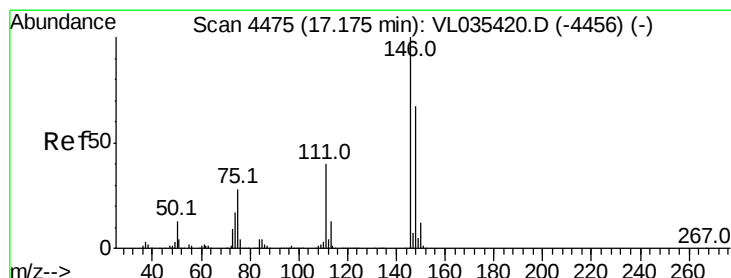
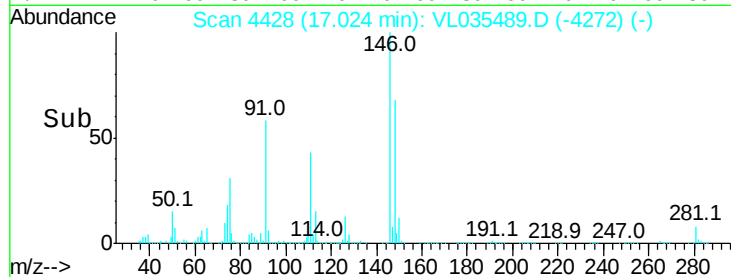
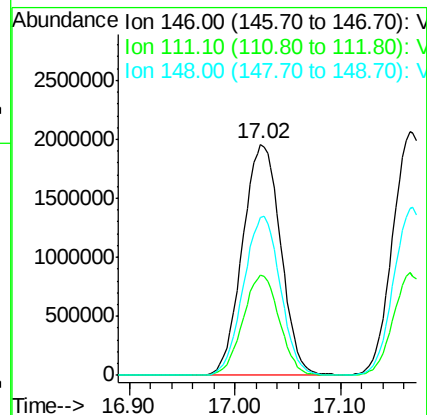
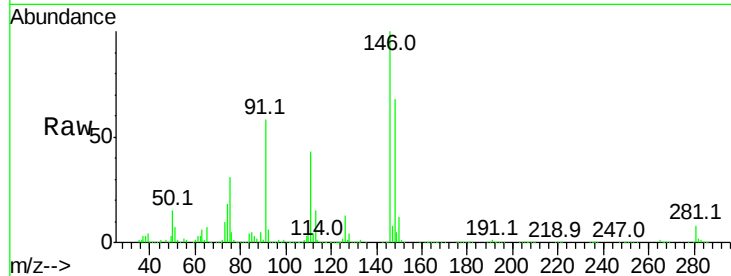
Tgt Ion:146 Resp: 4916377

Ion Ratio Lower Upper

146 100

111 41.5 25.6 76.8

148 66.9 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 7.862 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

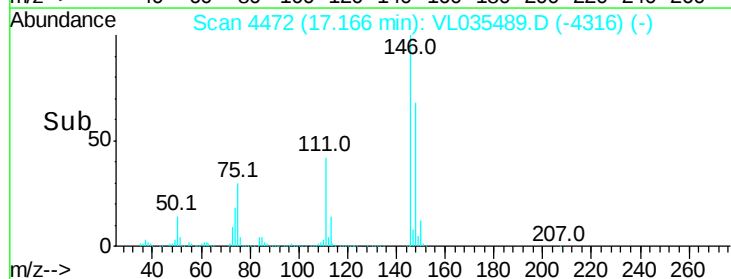
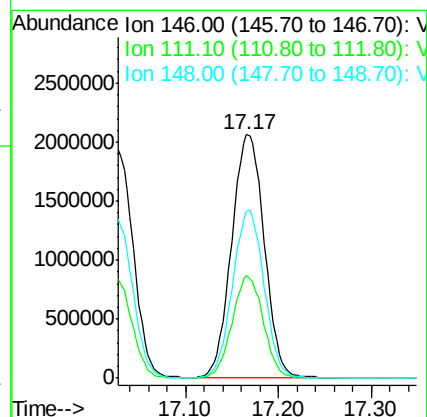
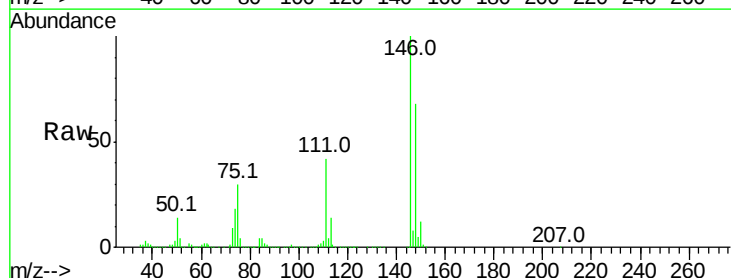
Tgt Ion:146 Resp: 5033695

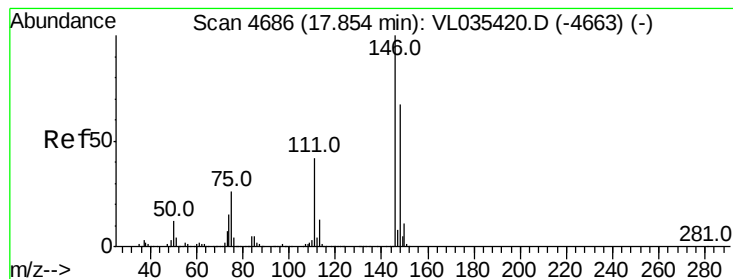
Ion Ratio Lower Upper

146 100

111 40.2 24.8 74.4

148 66.9 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 7.741 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

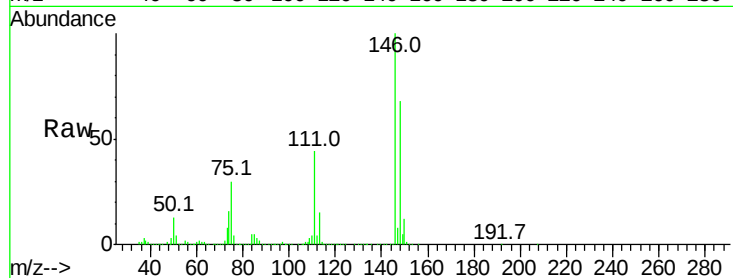
Tgt Ion:146 Resp: 4925988

Ion Ratio Lower Upper

146 100

111 42.8 26.3 78.9

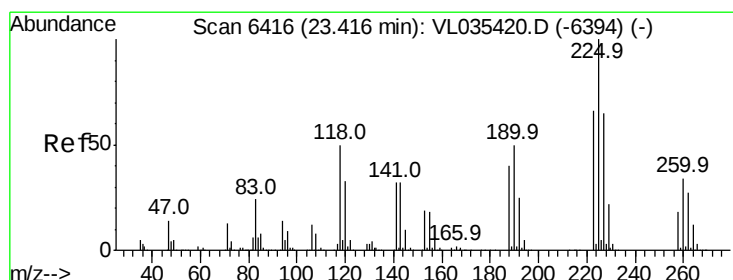
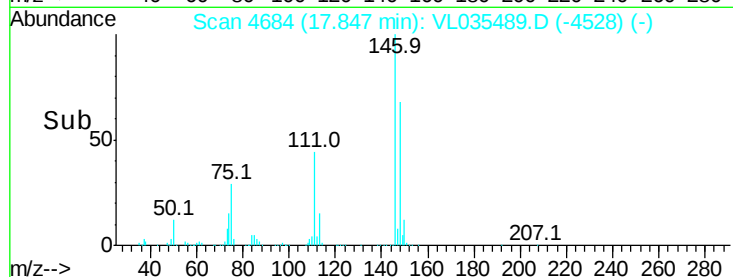
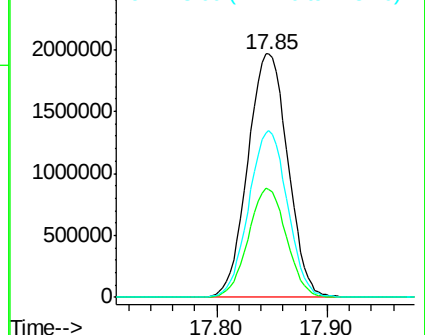
148 66.6 32.0 96.0



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: 6.717 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

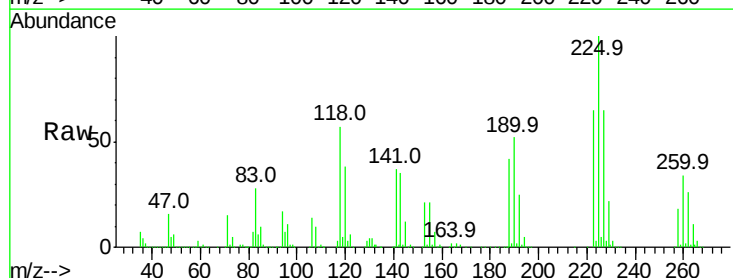
Tgt Ion:225 Resp: 3379861

Ion Ratio Lower Upper

225 100

223 64.8 50.3 75.5

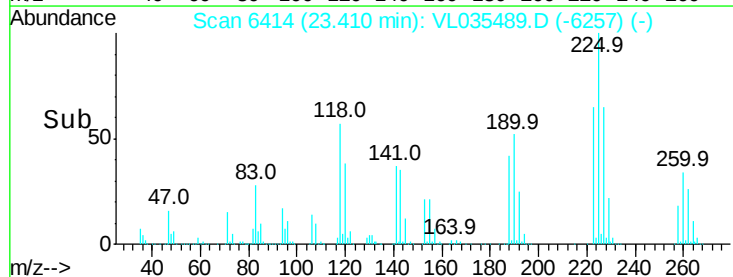
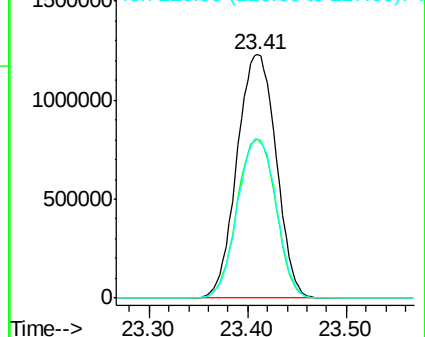
227 65.0 51.0 76.6

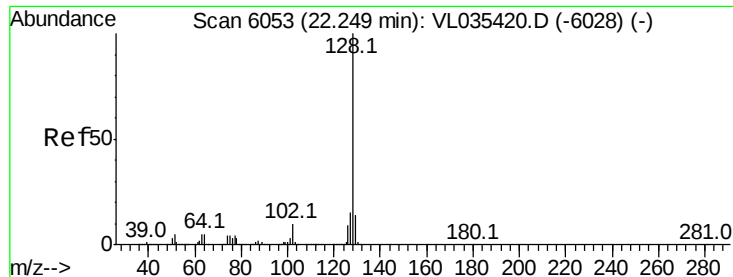


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.779 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

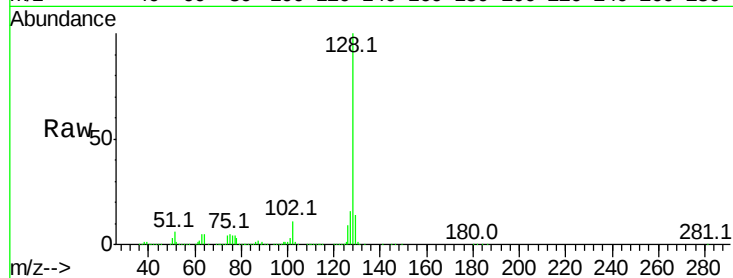
Tgt Ion:128 Resp: 9214487

Ion Ratio Lower Upper

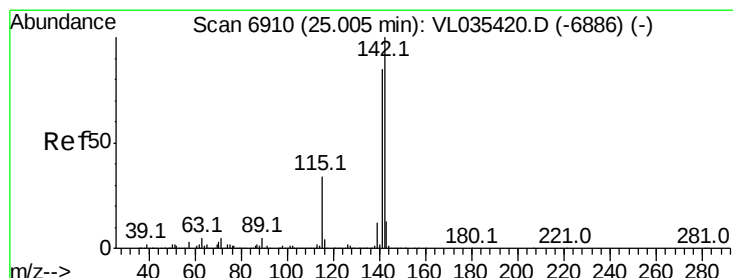
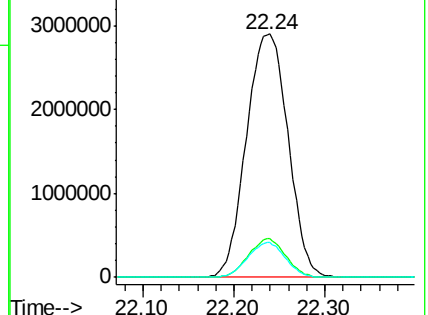
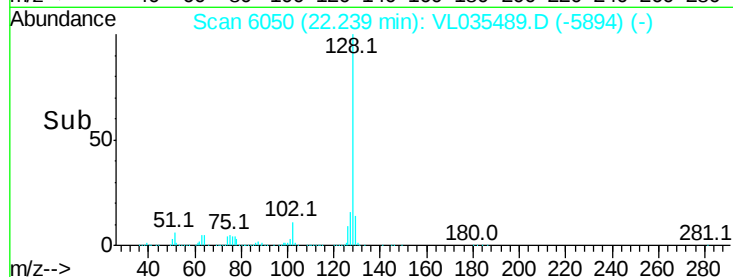
128 100

127 15.7 11.4 17.0

129 14.2 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: 8.927 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

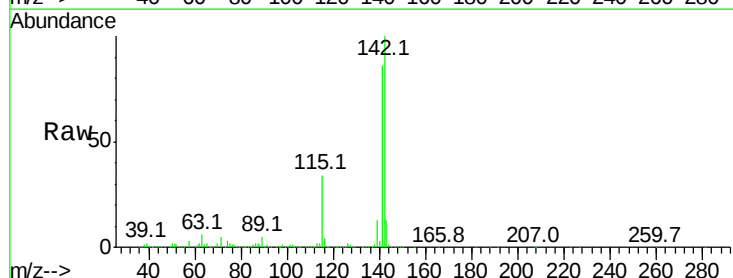
Tgt Ion:142 Resp: 4370176

Ion Ratio Lower Upper

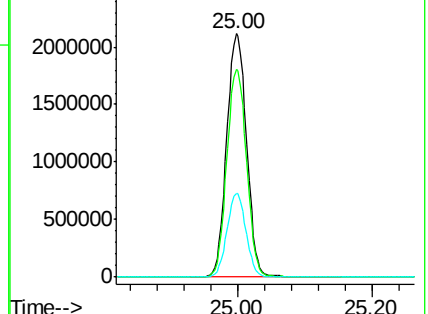
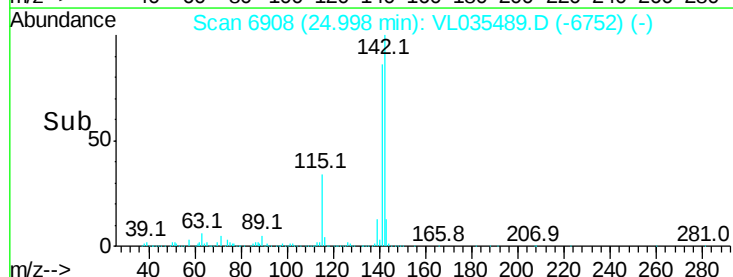
142 100

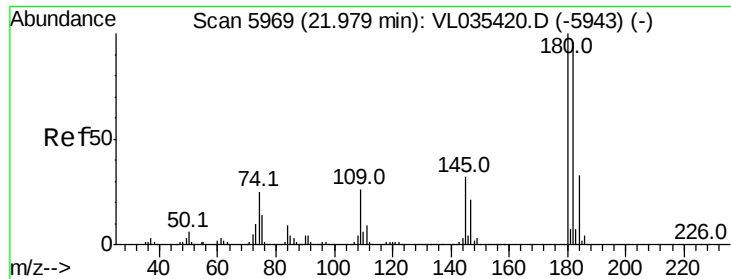
141 85.2 67.1 100.7

115 32.9 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: 7.542 ppbv

RT: 21.97 min Scan# 5965

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

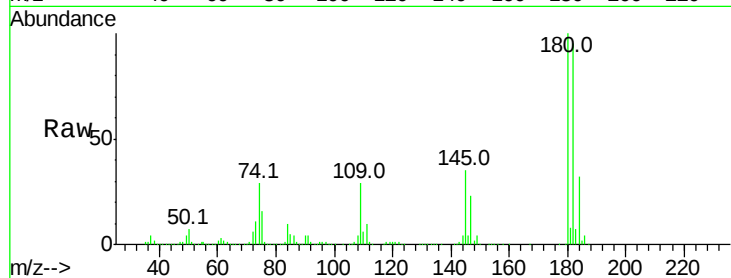
Tgt Ion:180 Resp: 5385692

Ion Ratio Lower Upper

180 100

182 95.9 76.6 115.0

184 32.1 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

