

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035719.D
 Acq On : 23 Sep 2020 15:05
 Operator : SY/AP
 Sample : L4079-02DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-2DUP

Quant Time: Sep 24 08:26:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1077733	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4217931	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4363820	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3299345	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	51672	0.292	ppbv 95
3) Chlorodifluoromethane	2.99	51	59197	0.511	ppbv # 87
4) Chloromethane	3.14	50	34084	0.547	ppbv 96
5) Vinyl Chloride	3.26	62	4047	0.055	ppbv 96
6) Bromomethane	3.47	94	4256	0.068	ppbv # 71
7) Chloroethane	3.56	64	1748	0.065	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	8378	0.039	ppbv 97
9) Propene	3.20	41	45309	1.076	ppbv 86
10) Heptane	8.15	43	175509	1.495	ppbv # 19
11) Trichlorofluoromethane	3.96	101	78474	0.311	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	24304	0.129	ppbv 100
13) Ethanol	3.61	45	134623	12.968	ppbv 100
14) Bromoethene	3.75	108	3923	0.050	ppbv # 93
15) Acetone	3.85	43	1285472	11.085	ppbv 89
16) 1,3-Butadiene	3.31	39	70547	1.663	ppbv # 11
17) tert-Butyl alcohol	4.31	59	65741	0.520	ppbv # 72
18) 1,1-Dichloroethene	4.30	96	3905	0.047	ppbv # 82
19) Isopropyl Alcohol	3.98	45	190377	3.018	ppbv # 89
20) Methylene Chloride	4.35	84	226240	2.656	ppbv 97
21) Allyl Chloride	4.38	41	19258	0.343	ppbv # 37
22) trans-1,2-Dichloroethene	4.90	96	5613	0.065	ppbv # 82
23) Vinyl Acetate	5.07	43	545722	3.842	ppbv # 13
24) 1,1-Dichloroethane	5.02	63	8571	0.055	ppbv # 92
25) Ethyl Acetate	5.70	43	282332	1.353	ppbv # 76
26) Hexane	5.70	57	457857	4.004	ppbv # 51
27) Carbon Disulfide	4.56	76	24676	0.145	ppbv # 77
28) Methyl tert-Butyl Ether	5.06	73	7061	0.039	ppbv # 57
29) Chloroform	5.76	83	22916	0.099	ppbv 95
30) Cyclohexane	7.15	84	98226	0.871	ppbv 96
31) cis-1,2-Dichloroethene	5.56	61	3480	0.032	ppbv 92
32) 1,1,1-Trichloroethane	6.53	97	10228	0.050	ppbv 95
34) 2-Butanone	5.26	43	74349	0.533	ppbv 98
35) Carbon Tetrachloride	7.03	117	13836	0.063	ppbv 88
36) Benzene	6.91	78	70313	0.256	ppbv 92
38) Trichloroethene	7.86	130	8384	0.061	ppbv 89
39) 1,2-Dichloropropane	7.19	63	820802	8.239	ppbv # 31
41) Tetrahydrofuran	5.92	42	2580	0.037	ppbv # 26
42) Bromodichloromethane	7.81	83	57180	0.248	ppbv # 35
44) 2,2,4-Trimethylpentane	7.89	57	4304373	10.914	ppbv 96
47) 1,1,2-Trichloroethane	9.50	97	5375	0.038	ppbv # 55
50) 4-Methyl-2-Pentanone	8.78	43	50392	0.247	ppbv 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

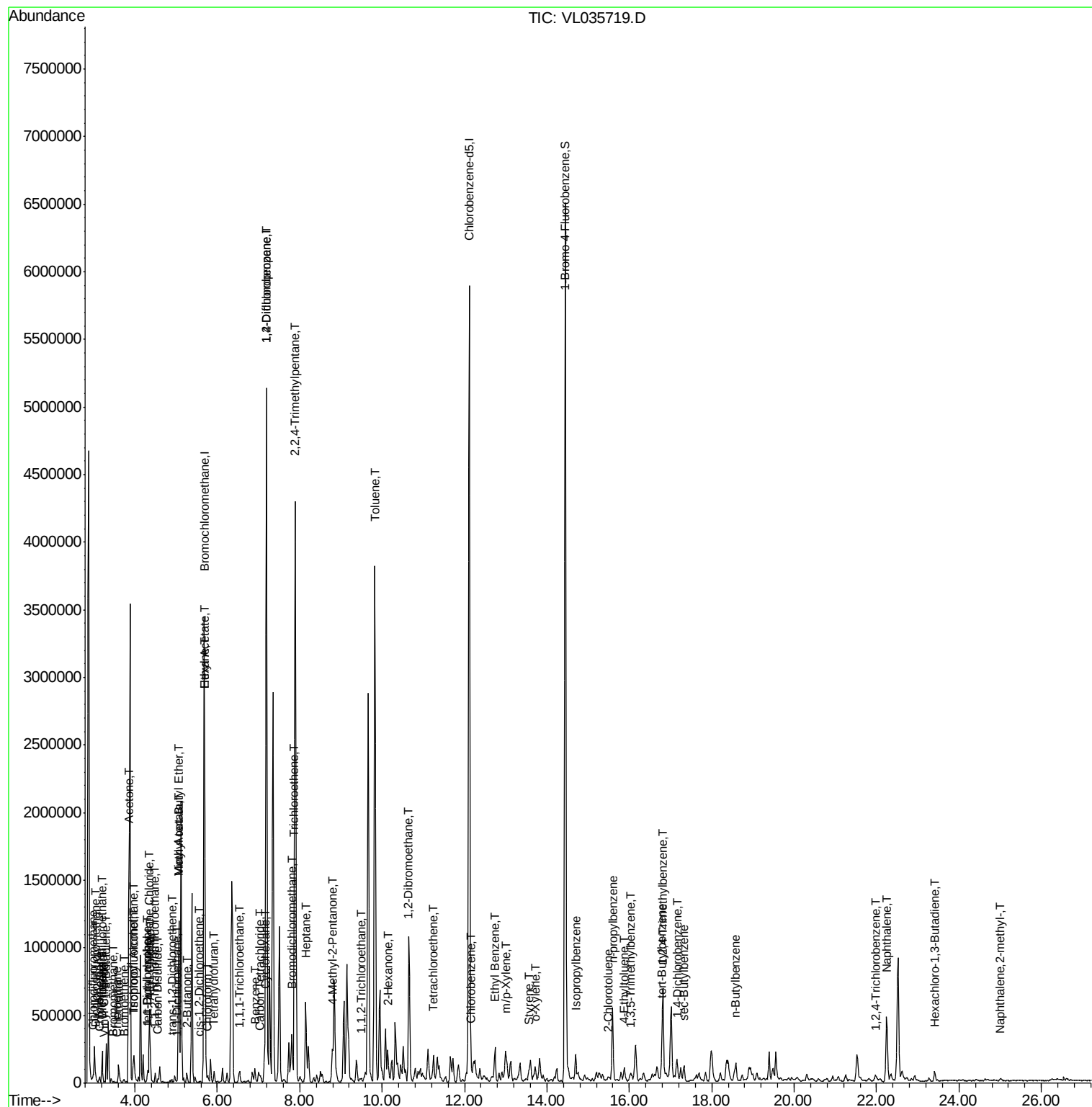
51) 2-Hexanone	10.14	43	61906	0.377	ppbv #	38
52) Tetrachloroethene	11.25	164	49506	0.375	ppbv	96
53) Toluene	9.83	91	362380	1.118	ppbv	97
54) 1,2-Dibromoethane	10.64	107	11540	0.054	ppbv	97
57) Chlorobenzene	12.18	112	23011	0.070	ppbv #	73
58) Ethyl Benzene	12.74	91	217616	0.497	ppbv	92
59) m/p-Xylene	13.02	91	59007	0.154	ppbv #	26
60) o-Xylene	13.72	91	66039	0.171	ppbv	98
61) Styrene	13.55	104	13955	0.052	ppbv #	70
62) Isopropylbenzene	14.70	105	171511	0.286	ppbv	95
64) n-propylbenzene	15.60	120	128264	0.730	ppbv	71
65) tert-Butylbenzene	16.78	119	43152	0.079	ppbv #	83
67) sec-Butylbenzene	17.33	105	100189	0.133	ppbv	93
70) n-Butylbenzene	18.58	91	94756	0.150	ppbv #	85
71) 2-Chlorotoluene	15.48	91	15831	0.036	ppbv	69
72) 4-Ethyltoluene	15.87	105	61786	0.135	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.03	105	37968	0.088	ppbv	90
74) 1,2,4-Trimethylbenzene	16.79	105	133257	0.273	ppbv #	78
76) 1,4-Dichlorobenzene	17.17	146	17893	0.056	ppbv #	42
78) Hexachloro-1,3-Butadiene	23.41	225	8446	0.049	ppbv #	17
79) Naphthalene	22.25	128	647389	1.390	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	9861	0.090	ppbv	94
81) 1,2,4-Trichlorobenzene	21.97	180	12393	0.051	ppbv #	32

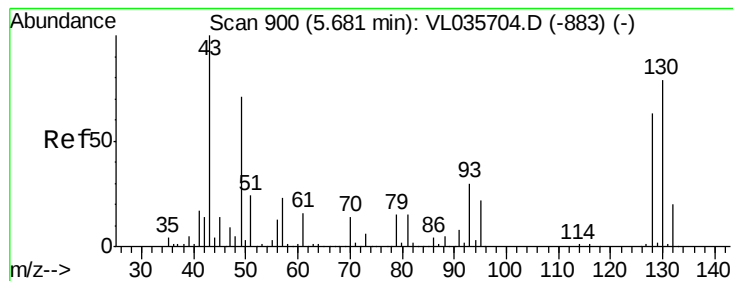
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

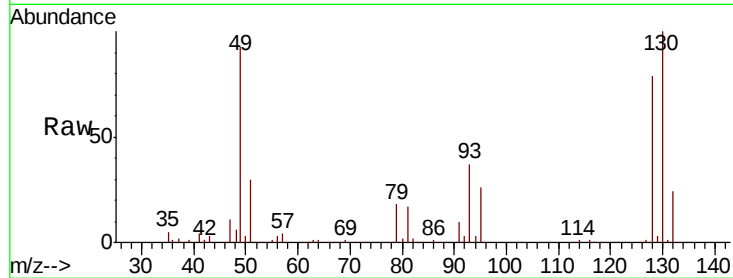
Tot Ion: 49 Resp: 1077733

Ion Ratio Lower Upper

49 100

128 85.1 43.1 129.4

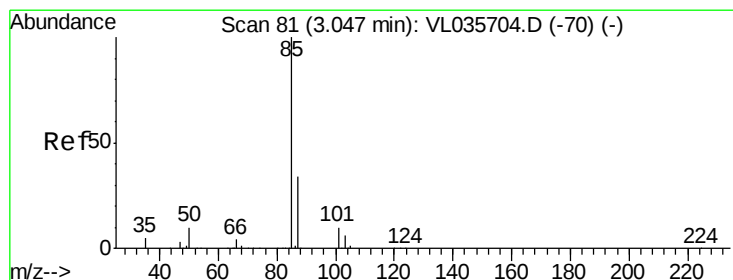
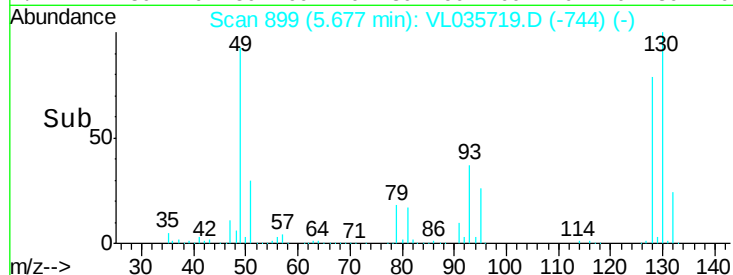
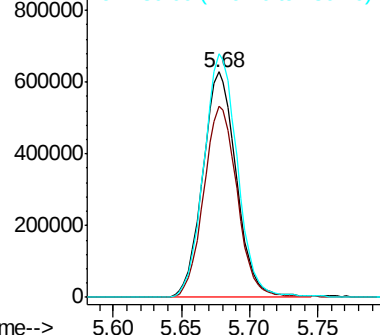
130 108.7 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.292 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035719.D

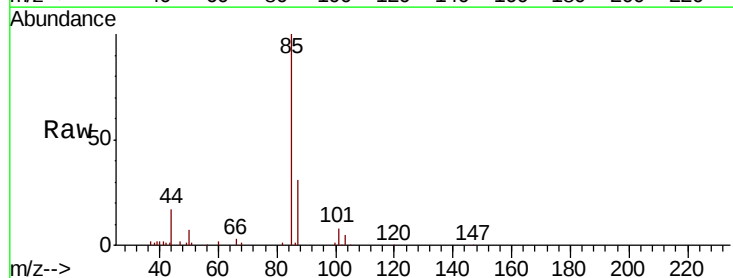
Acq: 23 Sep 2020 15:05

Tgt Ion: 85 Resp: 51672

Ion Ratio Lower Upper

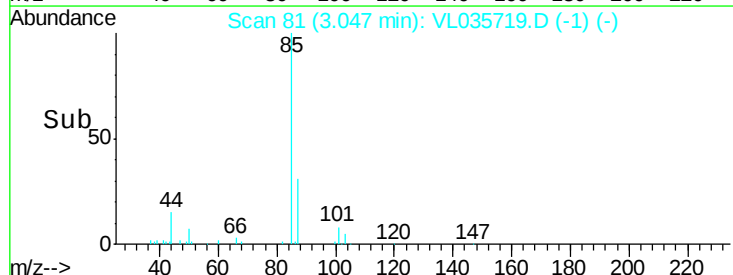
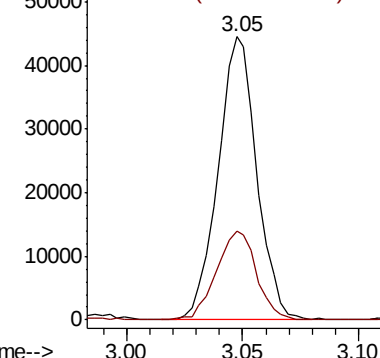
85 100

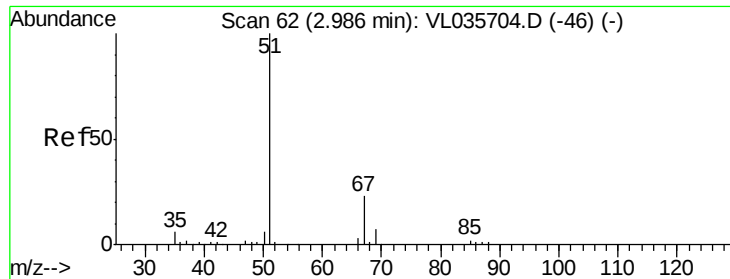
87 31.5 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

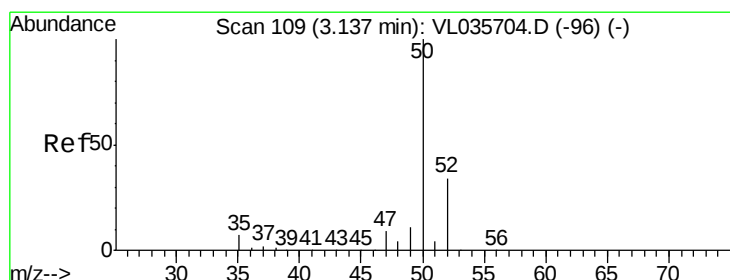
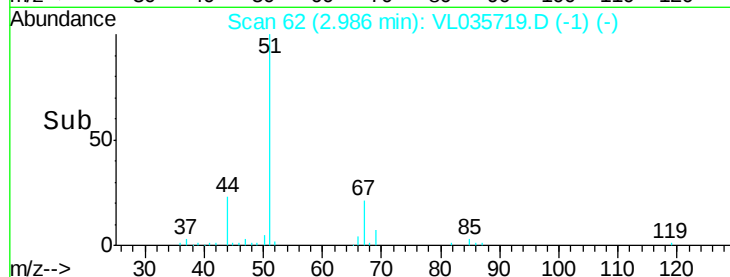
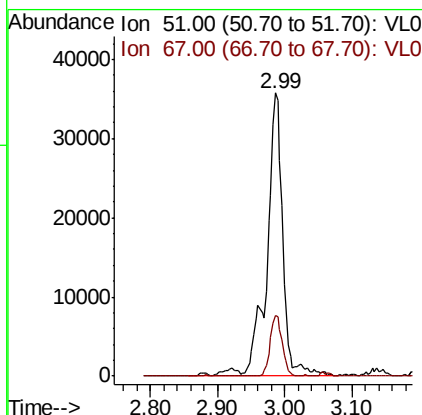
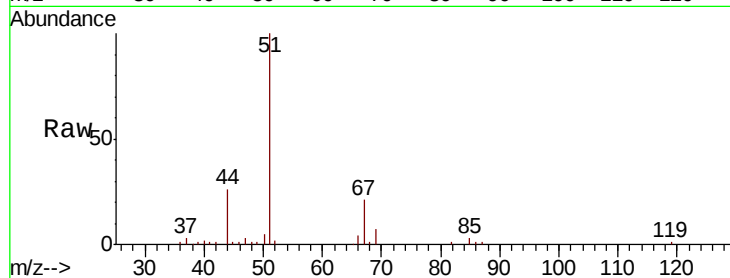




#3
 Chlorodifluoromethane
 Concen: 0.511 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VL035719.D
 Acq: 23 Sep 2020 15:05

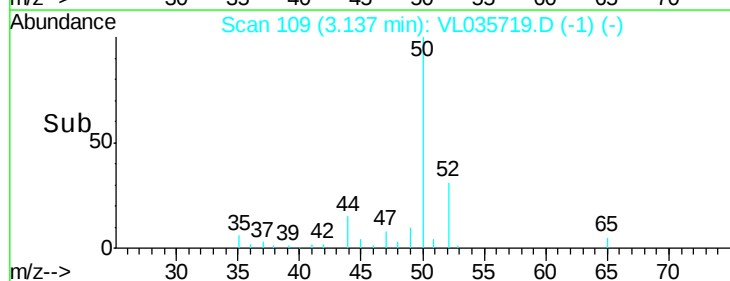
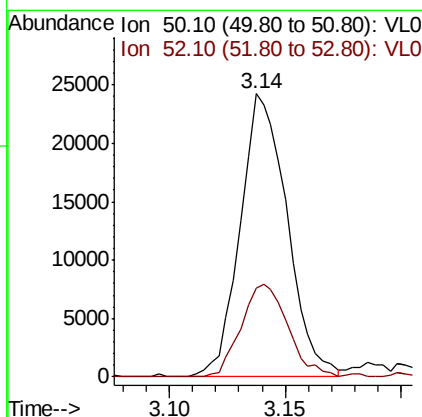
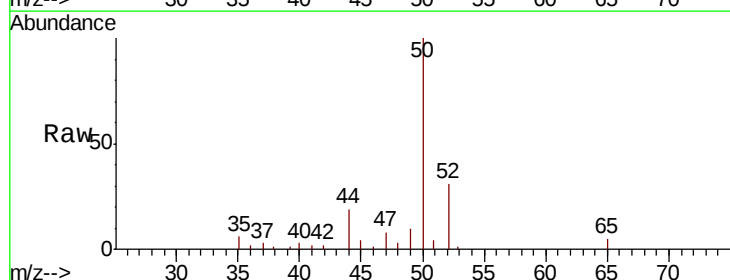
Instrument :
 MSVOA_L
 ClientSampleId :
 B-2DUP

Tot Ion: 51 Resp: 59197
 Ion Ratio Lower Upper
 51 100
 67 15.9 17.8 26.8#



#4
 Chloromethane
 Concen: 0.547 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. 0.00 min
 Lab File: VL035719.D
 Acq: 23 Sep 2020 15:05

Tgt Ion: 50 Resp: 34084
 Ion Ratio Lower Upper
 50 100
 52 31.2 26.8 40.2





#5

Vinyl Chloride

Concen: 0.055 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

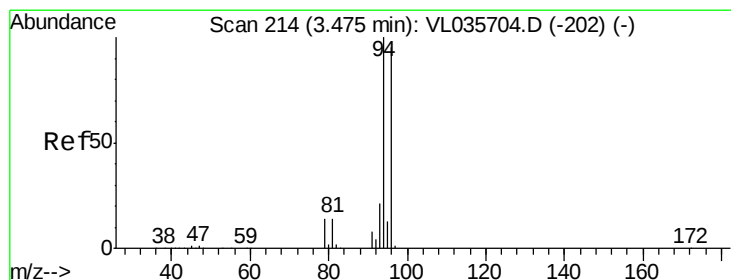
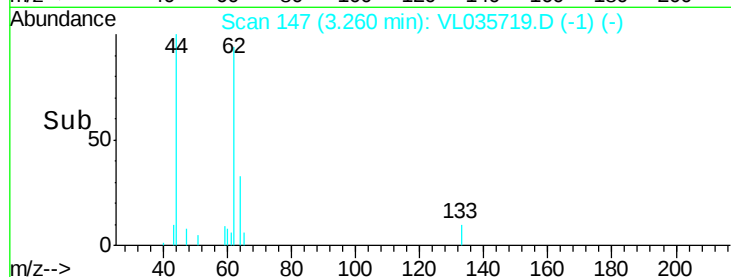
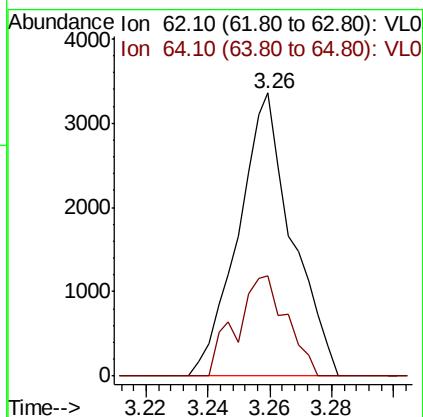
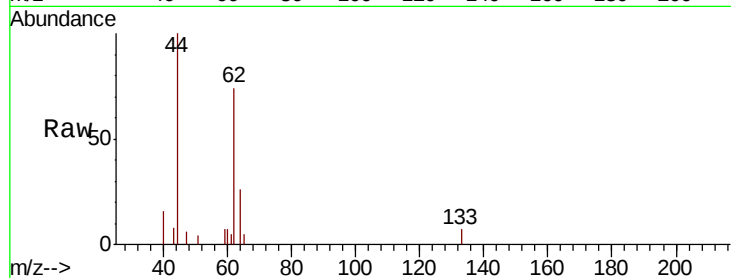
B-2DUP

Tot Ion: 62 Resp: 4047

Ion Ratio Lower Upper

62 100

64 35.6 26.8 40.2



#6

Bromomethane

Concen: 0.068 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035719.D

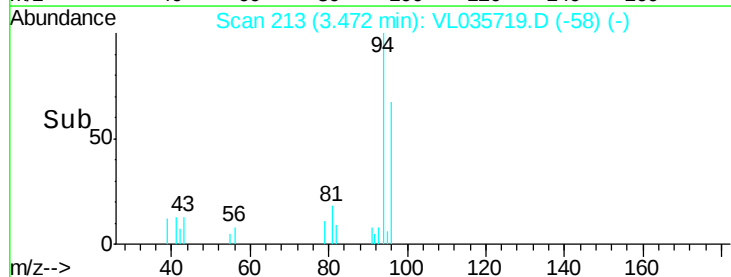
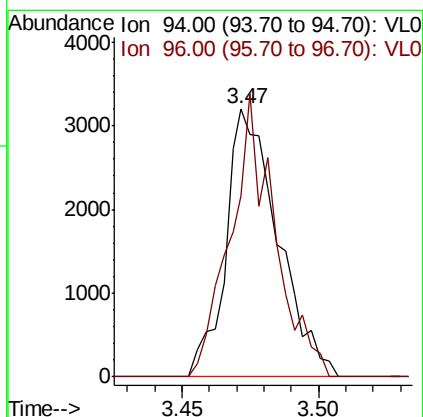
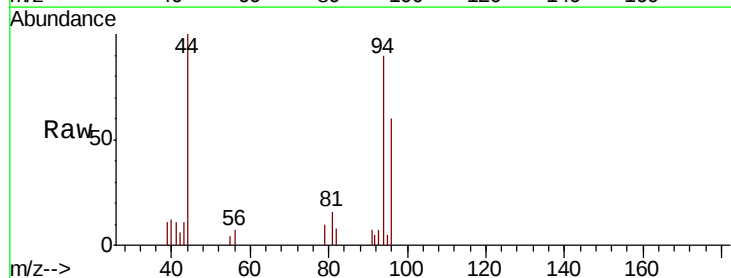
Acq: 23 Sep 2020 15:05

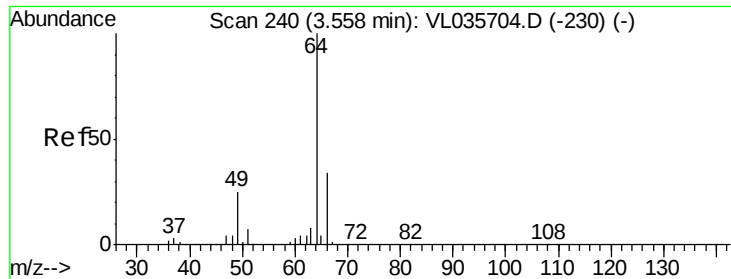
Tgt Ion: 94 Resp: 4256

Ion Ratio Lower Upper

94 100

96 67.2 76.3 114.5#





#7

Chloroethane

Concen: 0.065 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

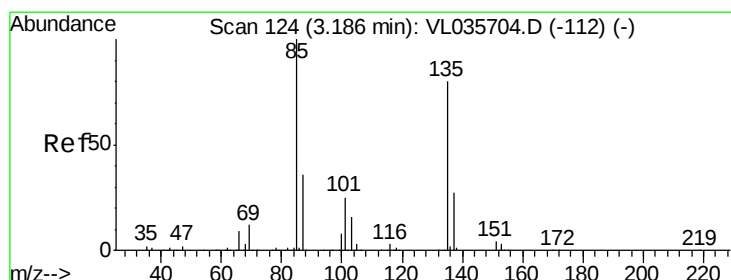
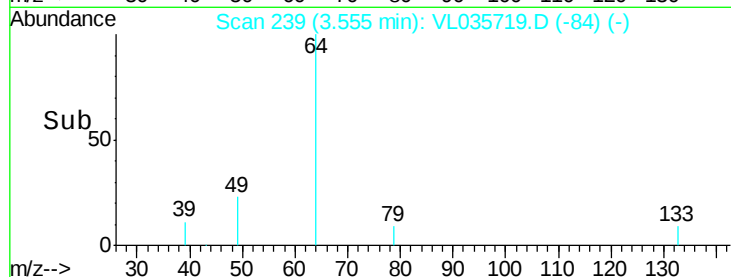
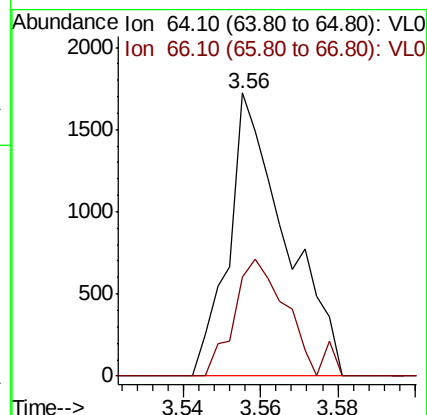
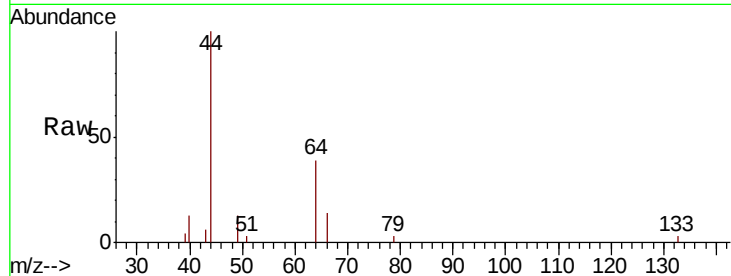
B-2DUP

Tot Ion: 64 Resp: 1748

Ion Ratio Lower Upper

64 100

66 35.0 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 0.039 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035719.D

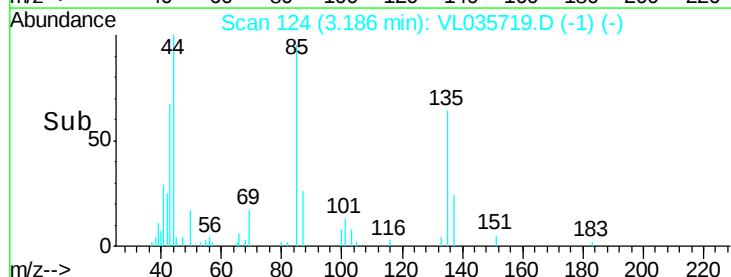
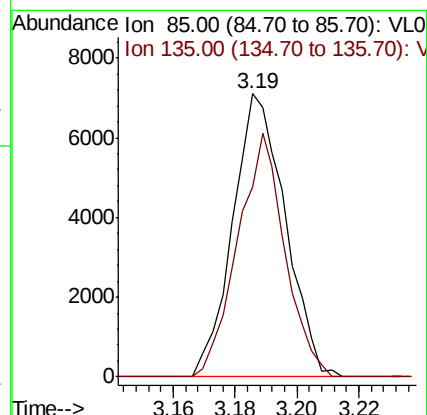
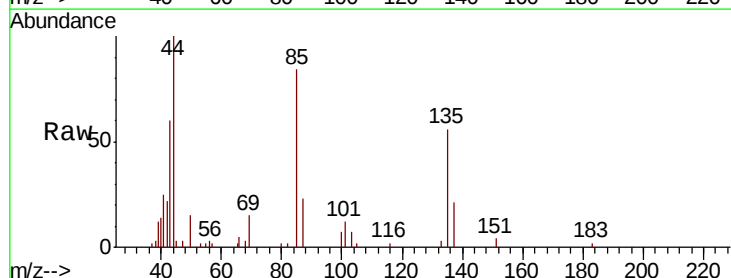
Acq: 23 Sep 2020 15:05

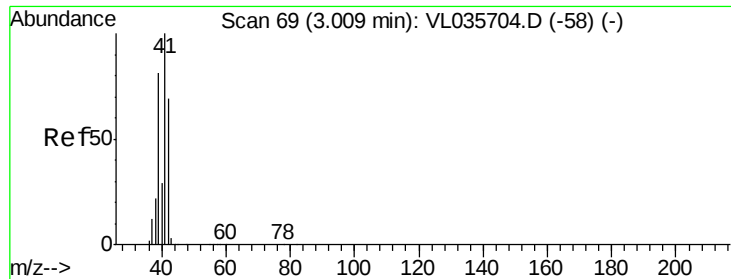
Tgt Ion: 85 Resp: 8378

Ion Ratio Lower Upper

85 100

135 77.3 64.3 96.5





#9

Propene

Concen: 1.076 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.20 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

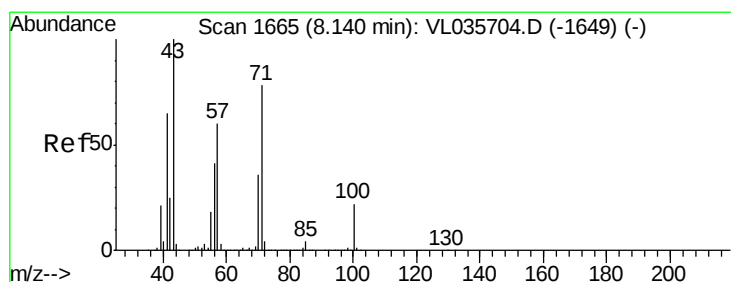
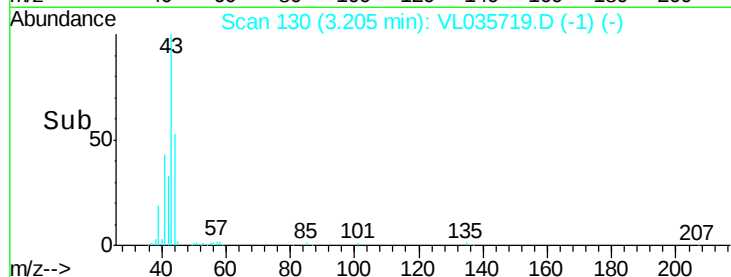
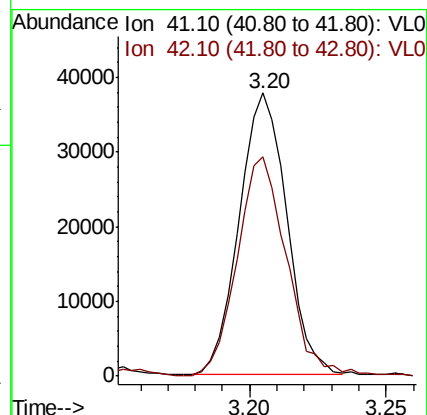
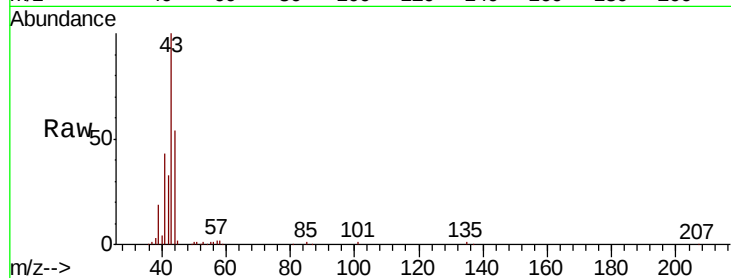
B-2DUP

Tot Ion: 41 Resp: 45309

Ion Ratio Lower Upper

41 100

42 81.9 56.2 84.4



#10

Heptane

Concen: 1.495 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035719.D

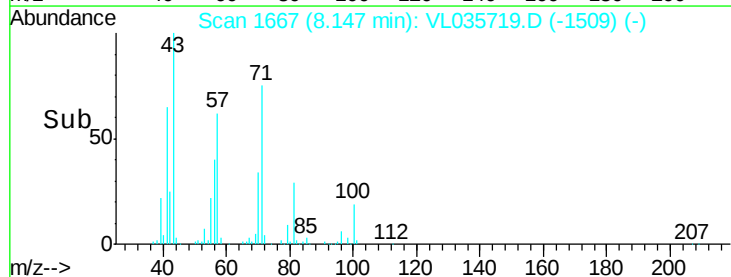
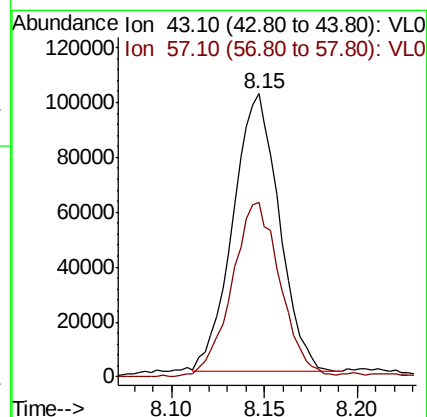
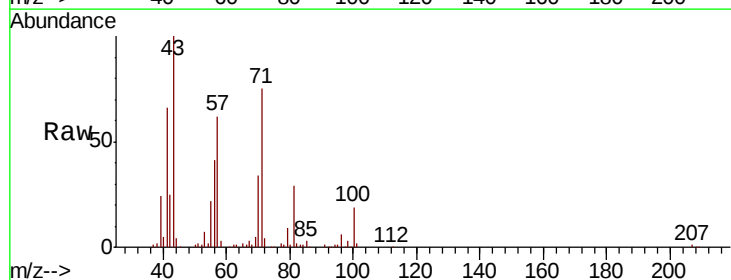
Acq: 23 Sep 2020 15:05

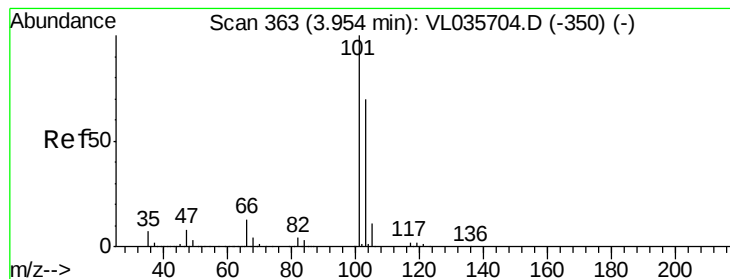
Tgt Ion: 43 Resp: 175509

Ion Ratio Lower Upper

43 100

57 0.0 50.4 75.6#





#11

Trichlorofluoromethane

Concen: 0.311 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

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MSVOA_L

ClientSampleId :

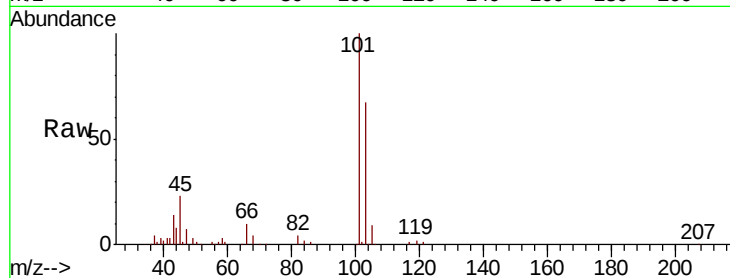
B-2DUP

Tot Ion:101 Resp: 78474

Ion Ratio Lower Upper

101 100

103 66.4 55.6 83.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.96

60000

50000

40000

30000

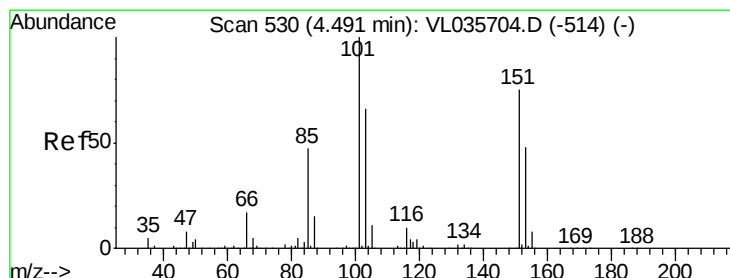
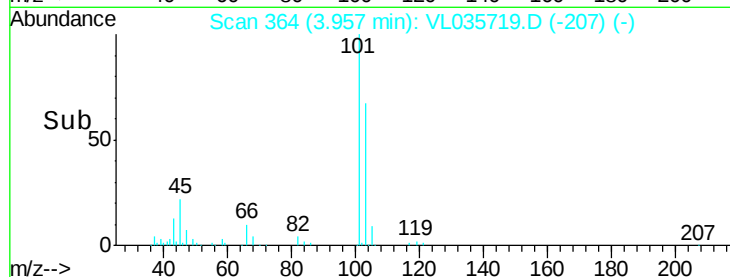
20000

10000

0

Time-->

3.90 3.95 4.00



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.129 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.00 min

Lab File: VL035719.D

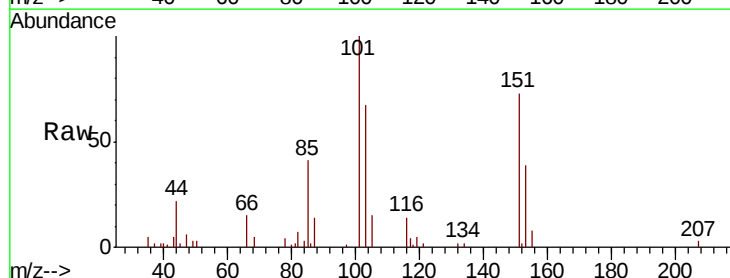
Acq: 23 Sep 2020 15:05

Tgt Ion:101 Resp: 24304

Ion Ratio Lower Upper

101 100

151 73.8 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.49

15000

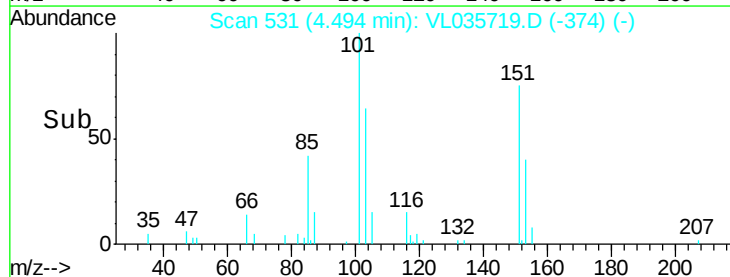
10000

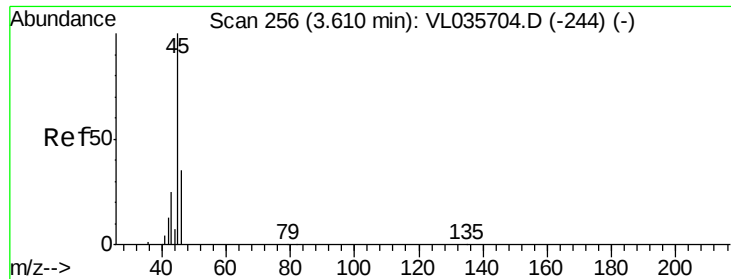
5000

0

Time-->

4.45 4.50 4.55





#13

Ethanol

Concen: 12.968 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

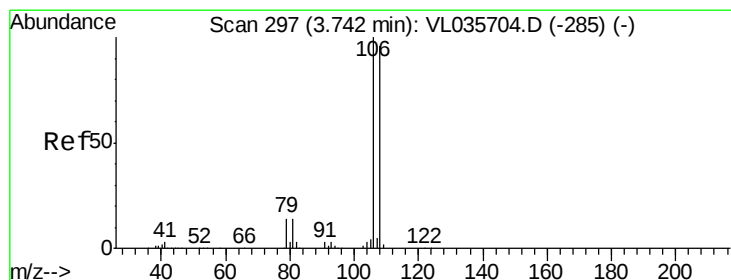
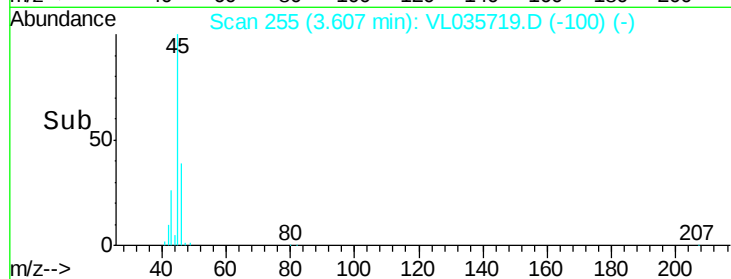
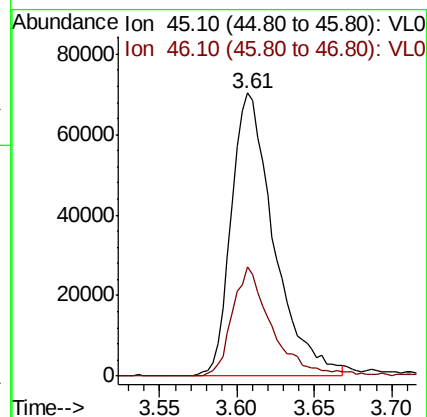
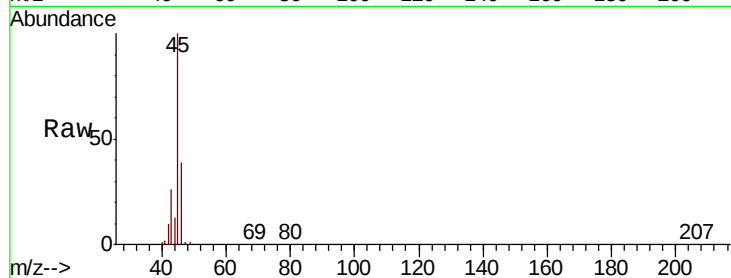
B-2DUP

Tot Ion: 45 Resp: 134623

Ion Ratio Lower Upper

45 100

46 36.5 14.7 58.7



#14

Bromoethene

Concen: 0.050 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

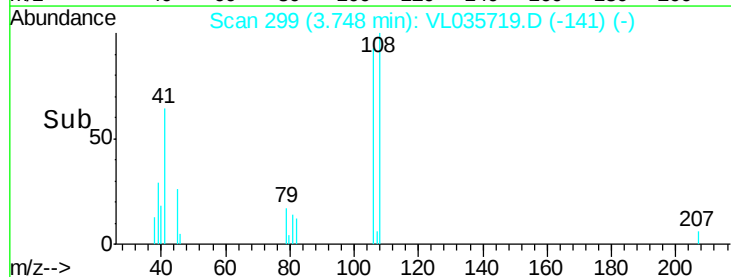
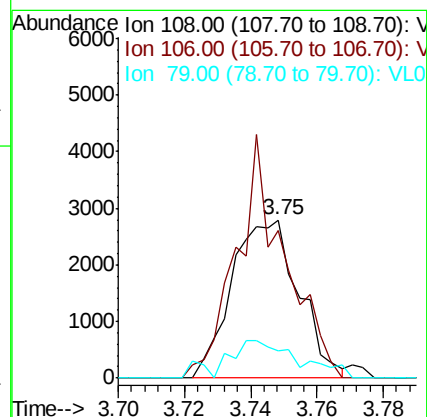
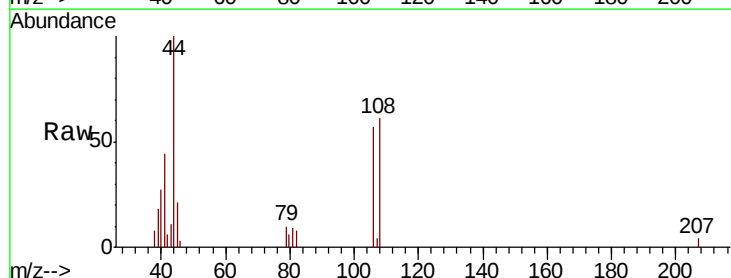
Tgt Ion: 108 Resp: 3923

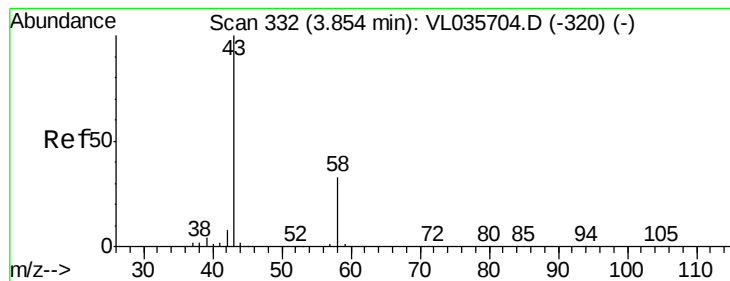
Ion Ratio Lower Upper

108 100

106 109.8 84.6 126.8

79 26.1 11.6 17.4#





#15

Acetone

Concen: 11.085 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

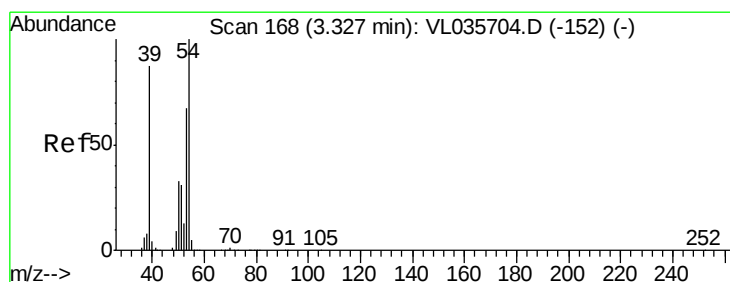
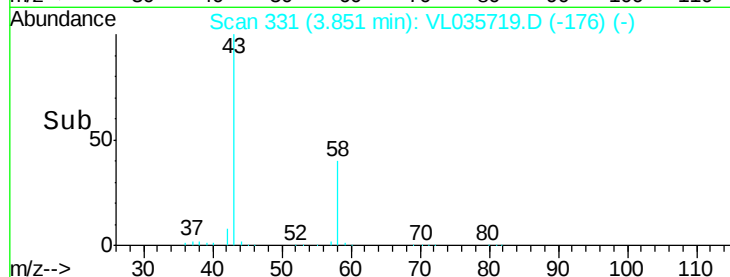
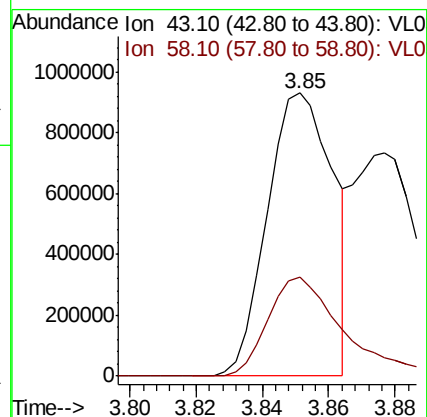
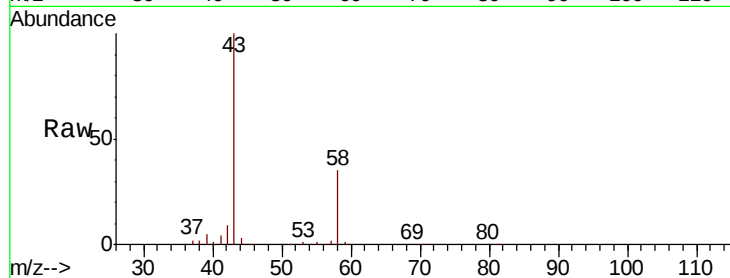
B-2DUP

Tot Ion: 43 Resp: 1285472

Ion Ratio Lower Upper

43 100

58 40.7 27.3 40.9



#16

1,3-Butadiene

Concen: 1.663 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL035719.D

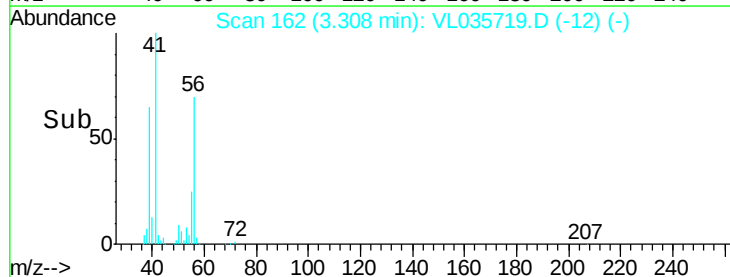
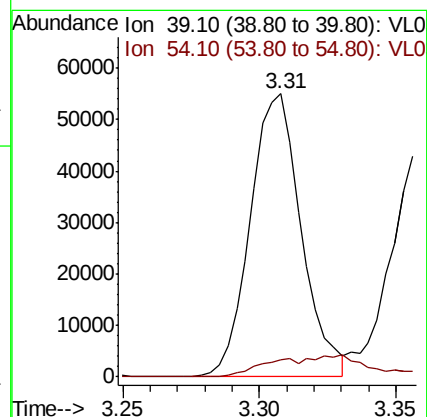
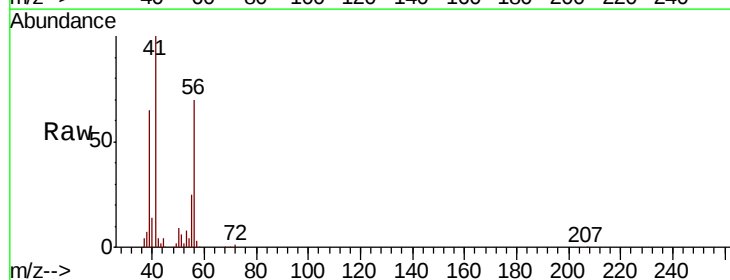
Acq: 23 Sep 2020 15:05

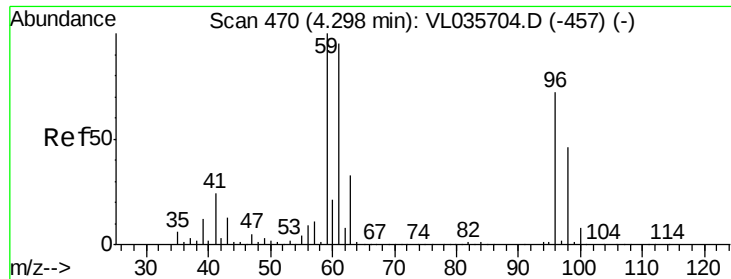
Tgt Ion: 39 Resp: 70547

Ion Ratio Lower Upper

39 100

54 15.2 87.4 131.0#





#17

tert-Butyl alcohol

Concen: 0.520 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.01 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

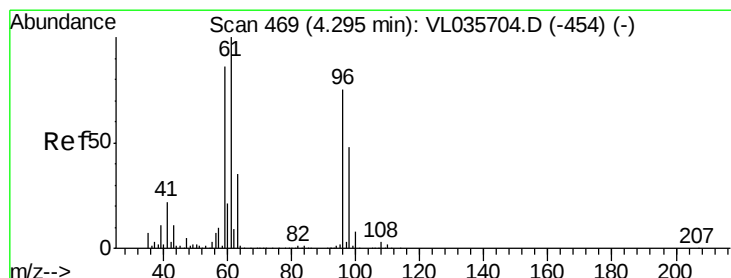
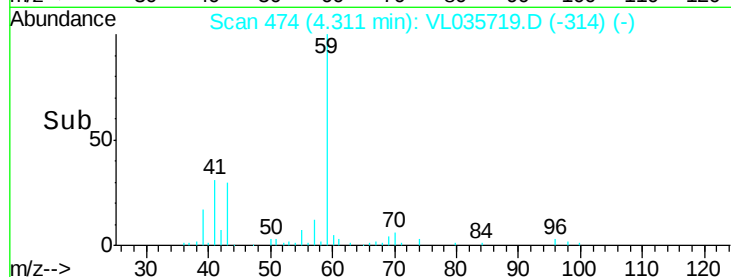
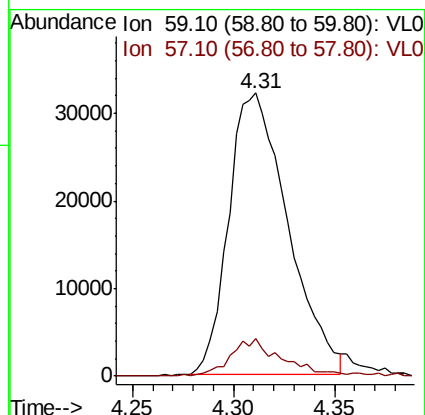
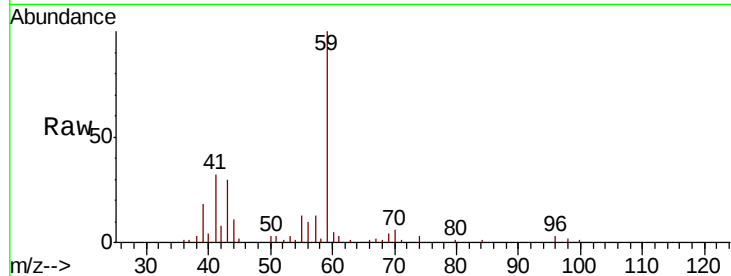
B-2DUP

Tot Ion: 59 Resp: 65741

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.047 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

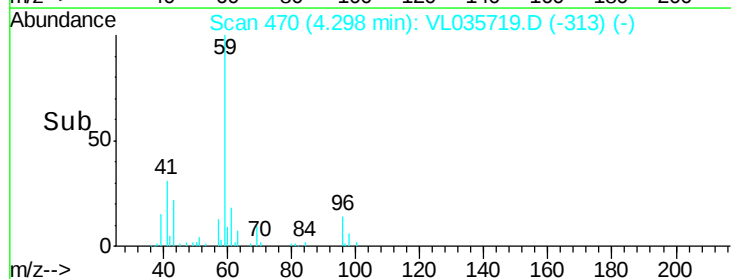
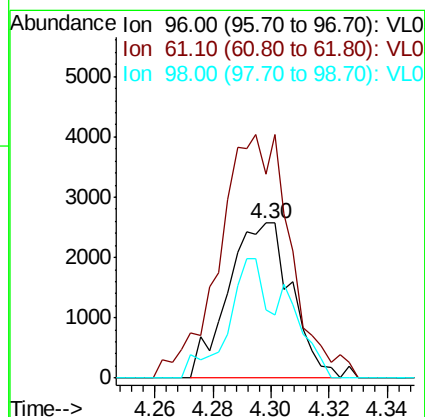
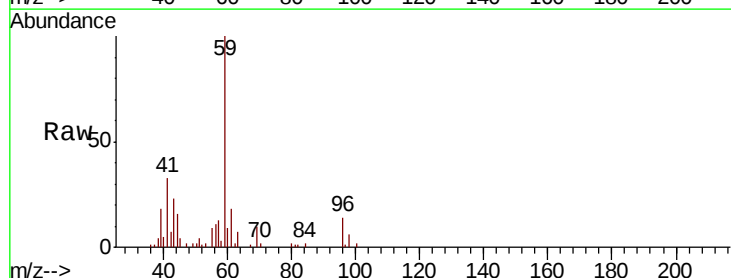
Tgt Ion: 96 Resp: 3905

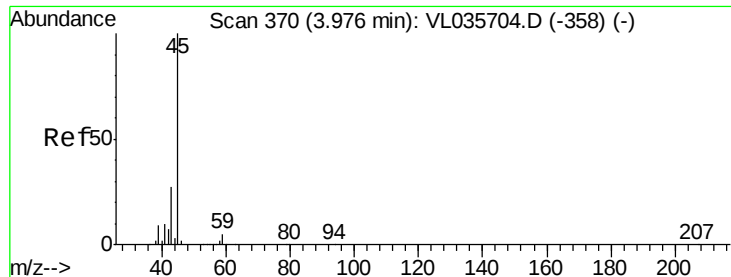
Ion Ratio Lower Upper

96 100

61 116.7 106.7 160.1

98 44.2 50.8 76.2#





#19

Isopropyl Alcohol

Concen: 3.018 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleID :

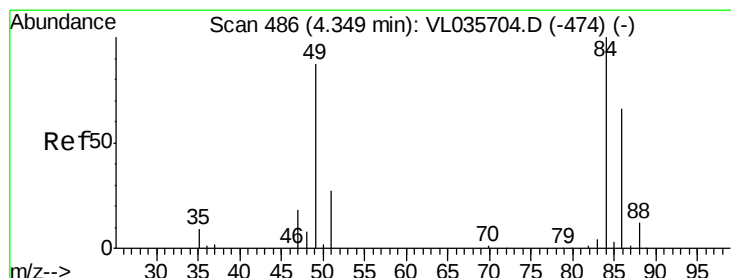
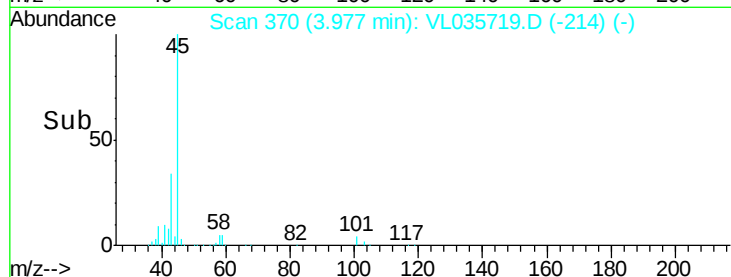
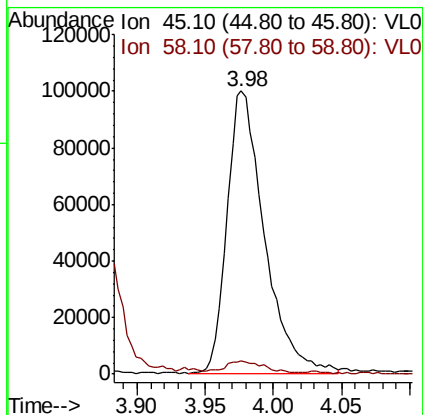
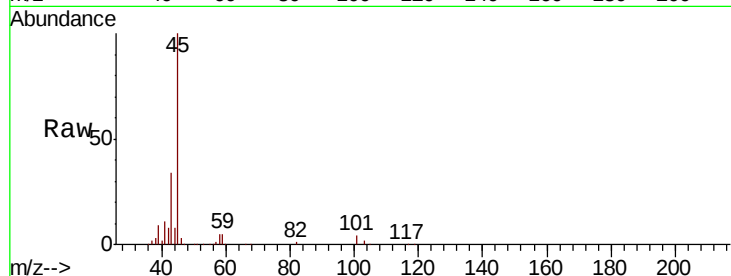
B-2DUP

Tot Ion: 45 Resp: 190377

Ion Ratio Lower Upper

45 100

58 0.0 2.8 4.2#



#20

Methylene Chloride

Concen: 2.656 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Tgt Ion: 84 Resp: 226240

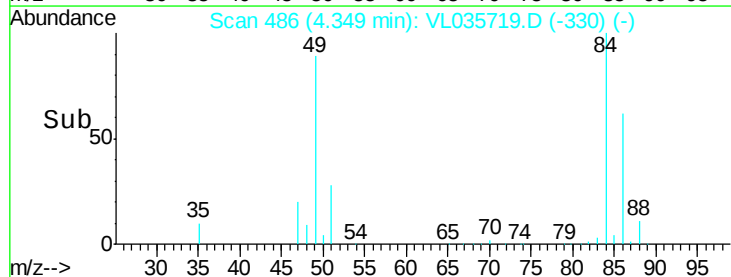
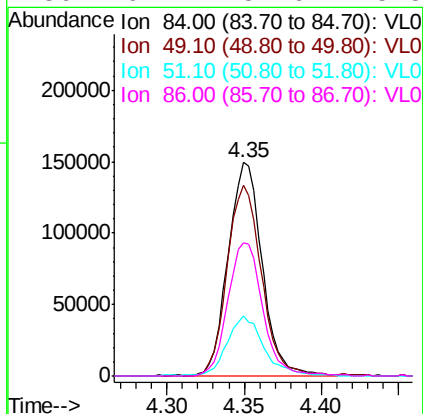
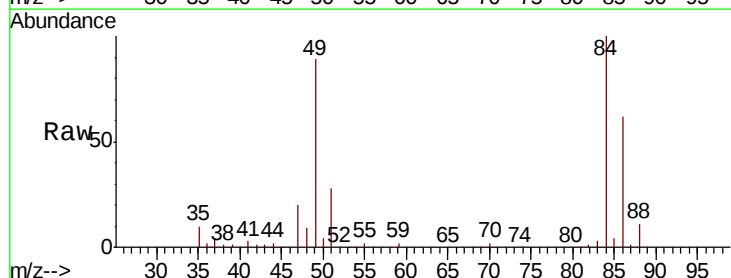
Ion Ratio Lower Upper

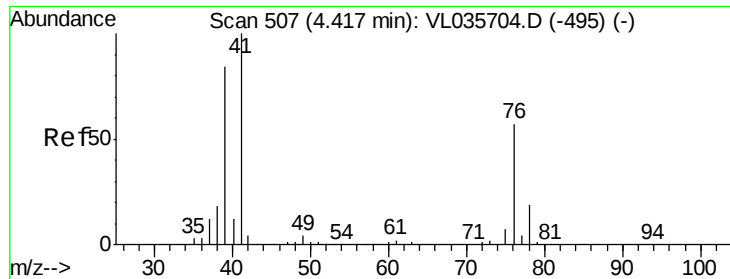
84 100

49 89.1 69.8 104.6

51 28.0 21.8 32.8

86 62.4 52.6 78.8





#21

Allvl Chloride

Concen: 0.343 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

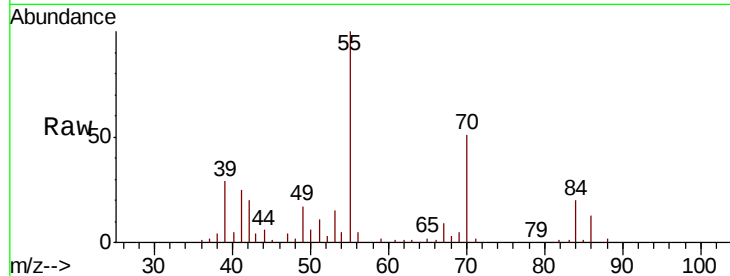
Tot Ion: 41 Resp: 19258

Ion Ratio Lower Upper

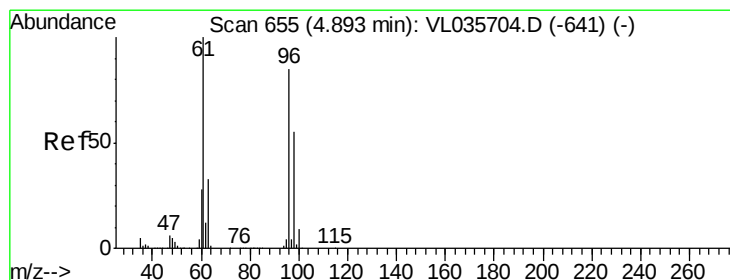
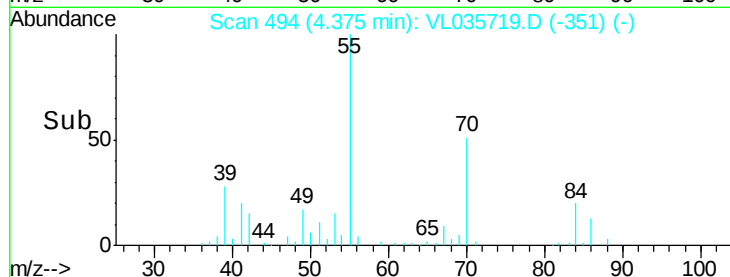
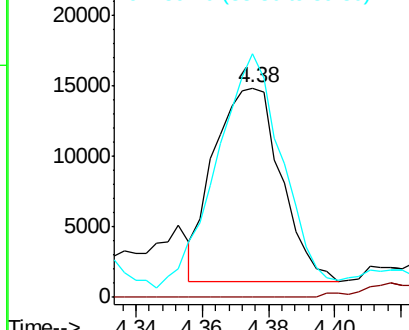
41 100

76 7.1 44.8 67.2#

39 141.3 68.4 102.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.065 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

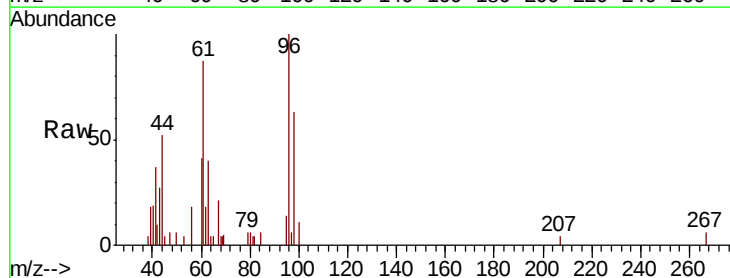
Tgt Ion: 96 Resp: 5613

Ion Ratio Lower Upper

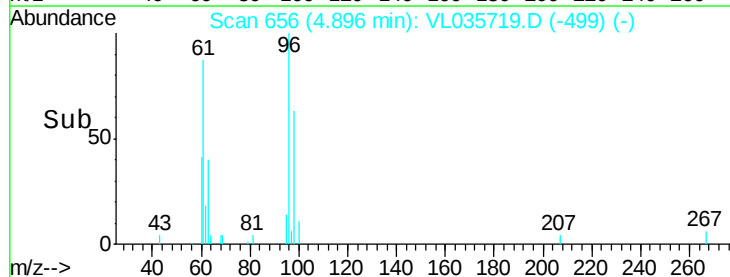
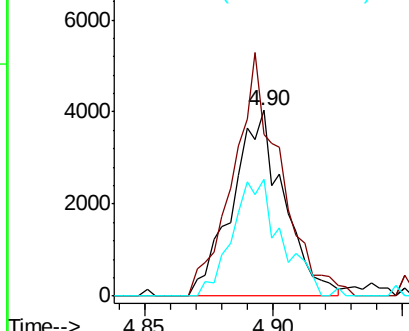
96 100

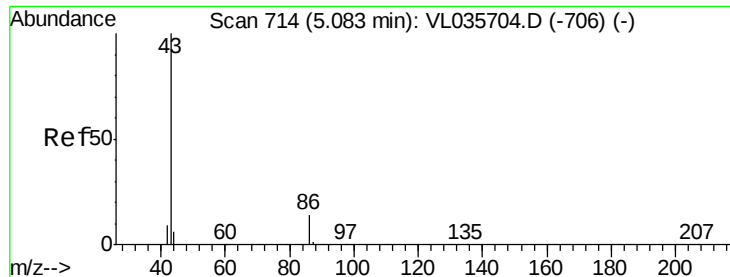
61 87.3 93.7 140.5#

98 62.9 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 3.842 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleID :

B-2DUP

Tot Ion: 43 Resp: 545722

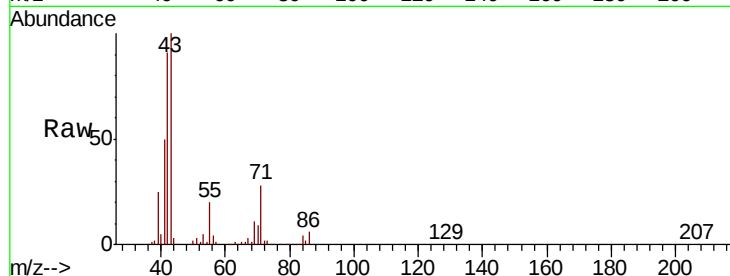
Ion Ratio Lower Upper

43 100

86 6.2 9.7 14.5#

42 91.3 7.9 11.9#

44 2.6 4.8 7.2#

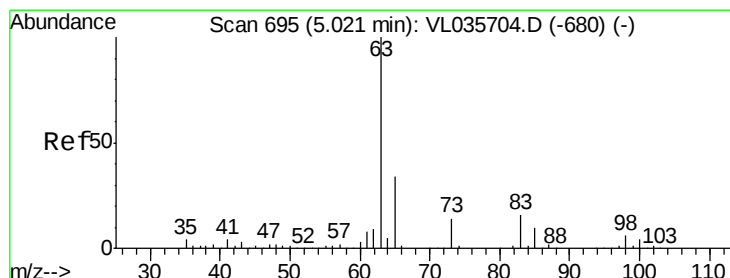
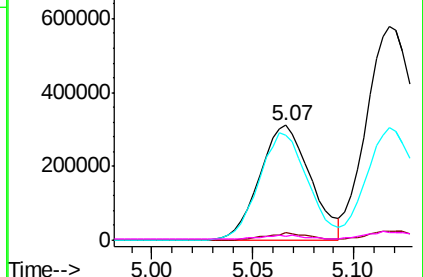
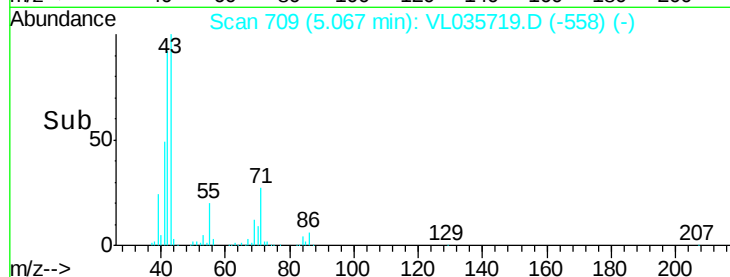


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.055 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

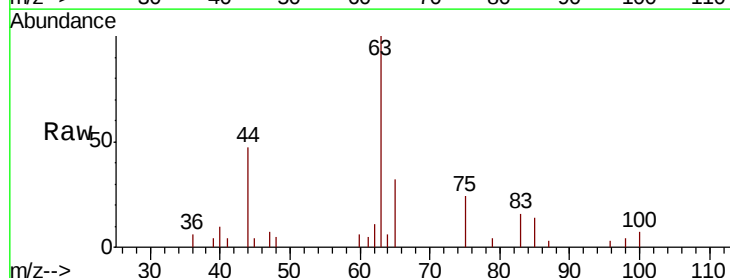
Tgt Ion: 63 Resp: 8571

Ion Ratio Lower Upper

63 100

98 3.6 3.3 9.8

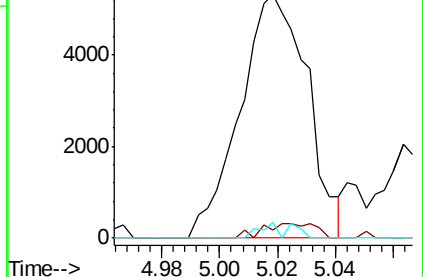
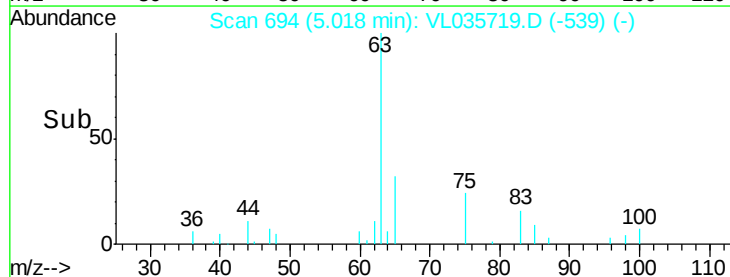
100 6.6 2.0 5.8#

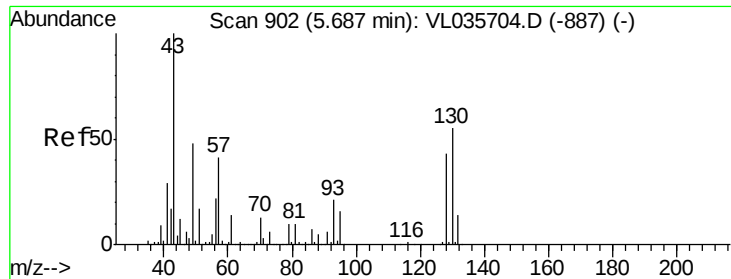


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.353 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleID :

B-2DUP

Tot Ion: 43 Resp: 282332

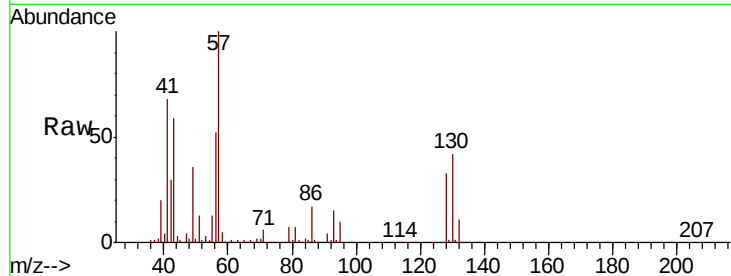
Ion Ratio Lower Upper

43 100

45 2.2 8.6 12.8#

61 2.1 10.4 15.6#

70 3.3 8.9 13.3#

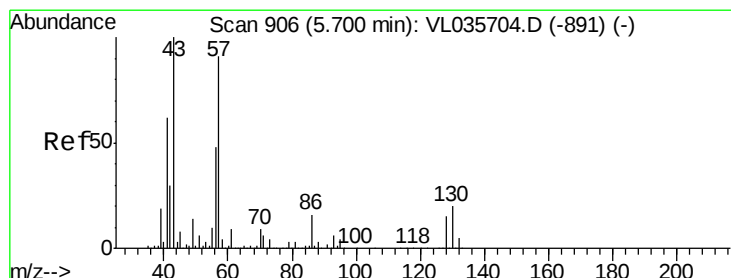
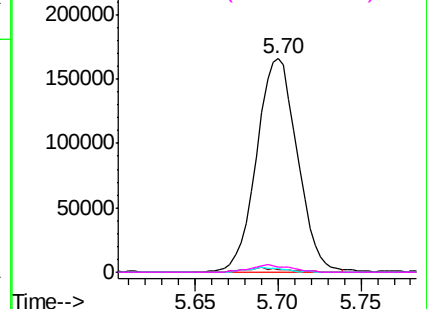
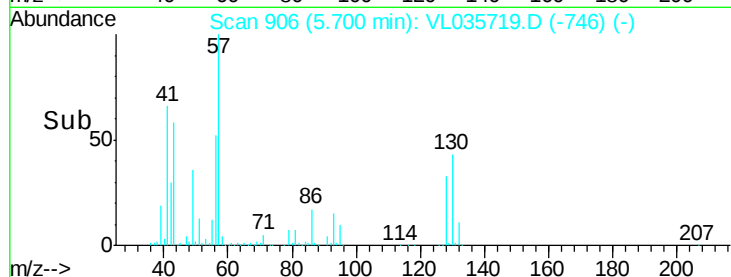


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.004 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Tgt Ion: 57 Resp: 457857

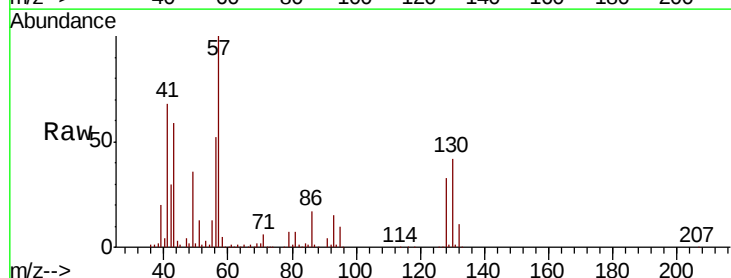
Ion Ratio Lower Upper

57 100

41 70.2 57.9 86.9

43 62.4 143.8 215.6#

56 53.9 43.0 64.6

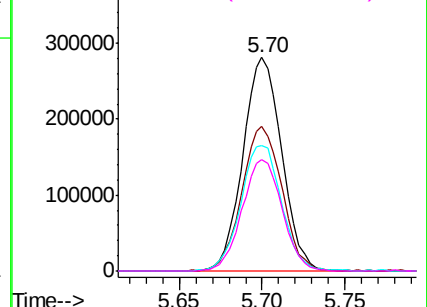
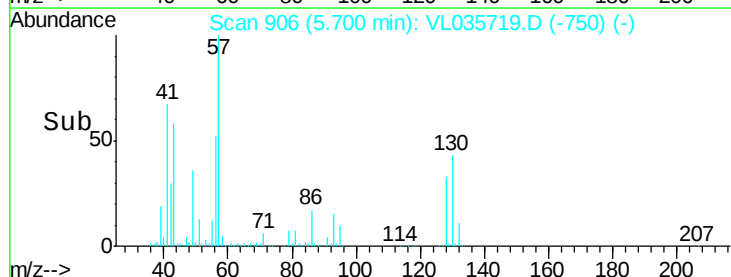


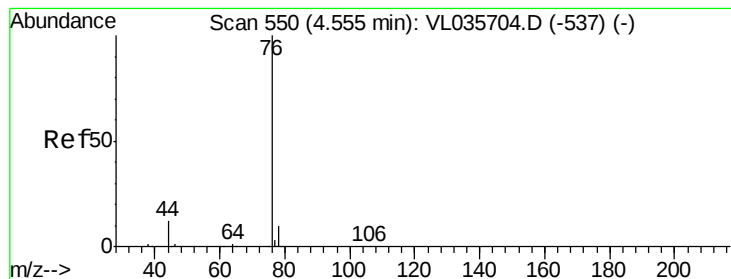
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.145 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

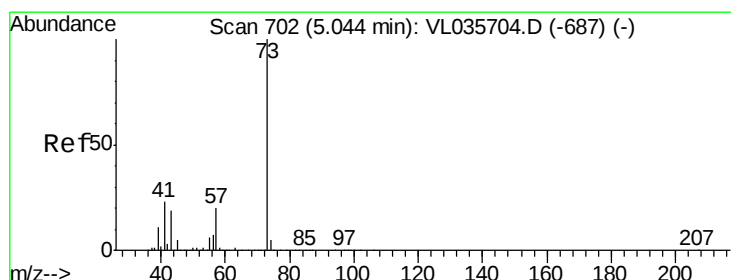
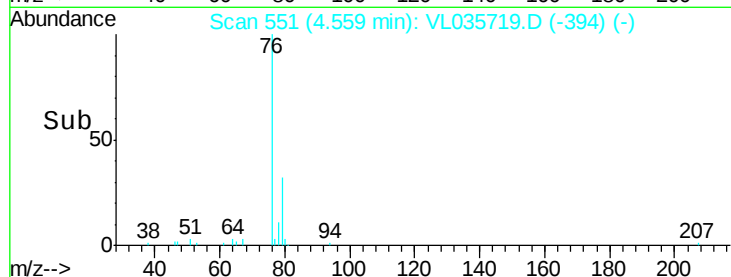
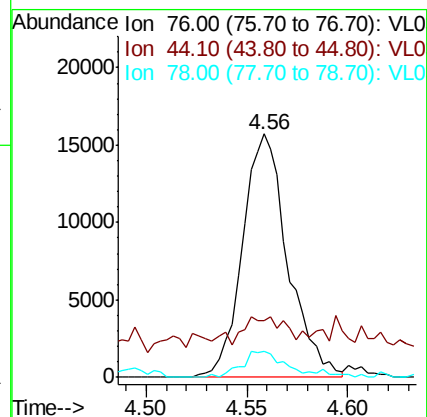
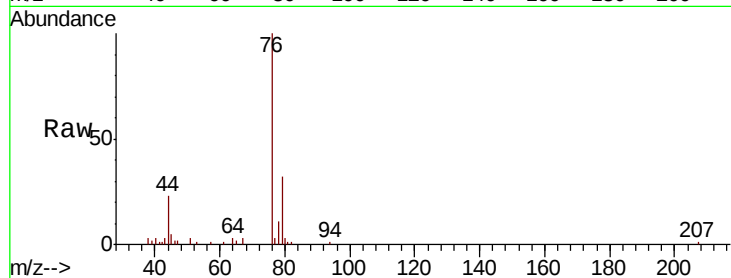
MSVOA_L

ClientSampleId :

B-2DUP

Tot Ion: 76 Resp: 24676

Ion	Ratio	Lower	Upper
76	100		
44	27.3	9.7	14.5#
78	11.0	7.8	11.8



#28

Methyl tert-Butyl Ether

Concen: 0.039 ppbv

RT: 5.06 min Scan# 706

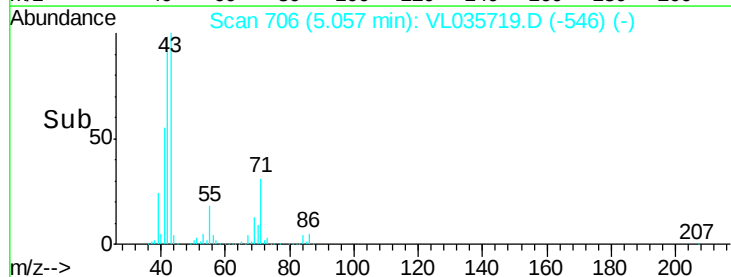
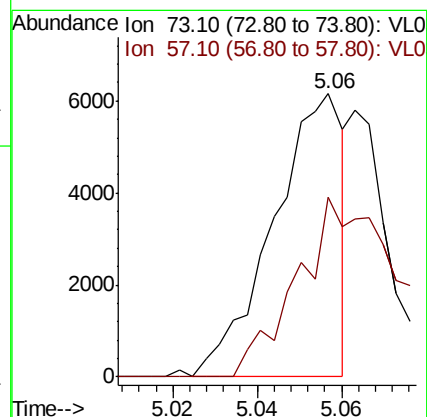
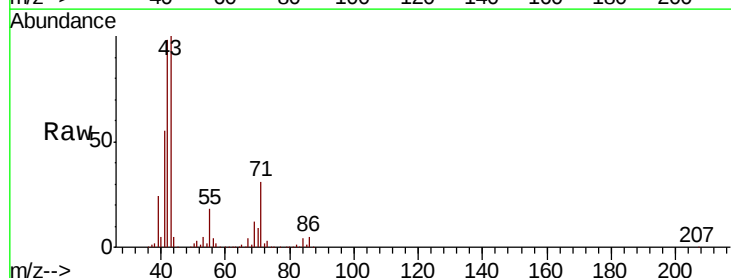
Delta R.T. 0.01 min

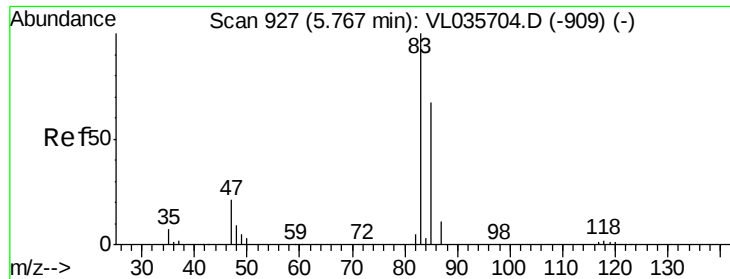
Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Tgt Ion: 73 Resp: 7061

Ion	Ratio	Lower	Upper
73	100		
57	0.0	15.6	23.4#

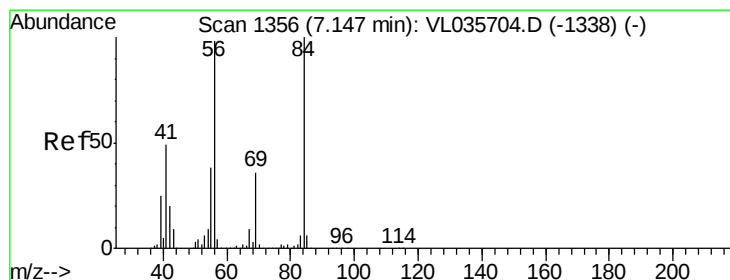
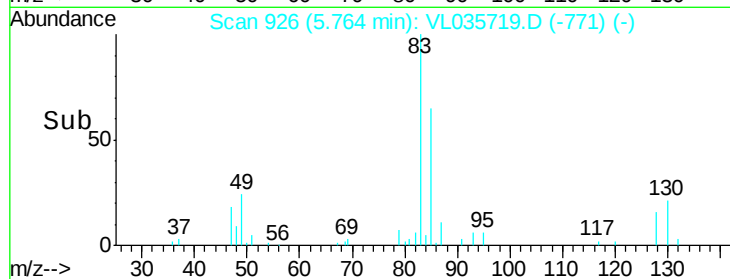
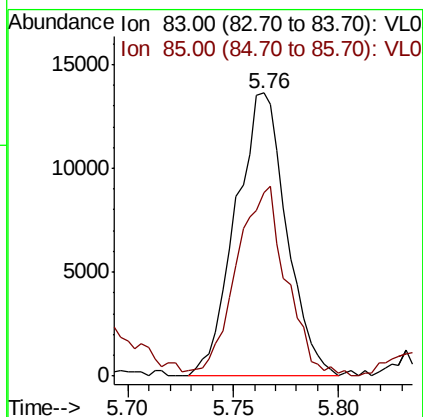
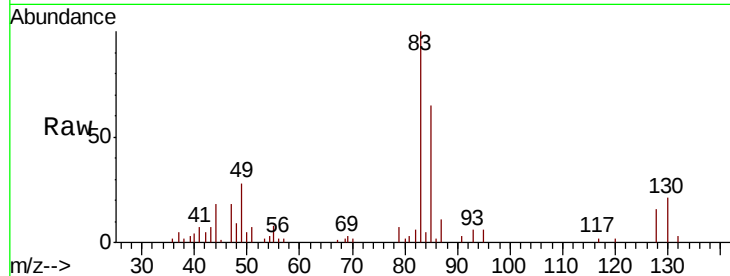




#29
Chloroform
Concen: 0.099 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

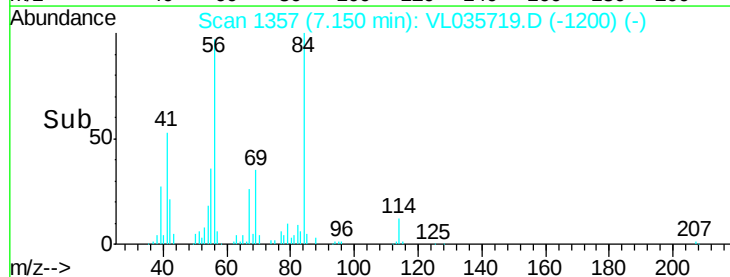
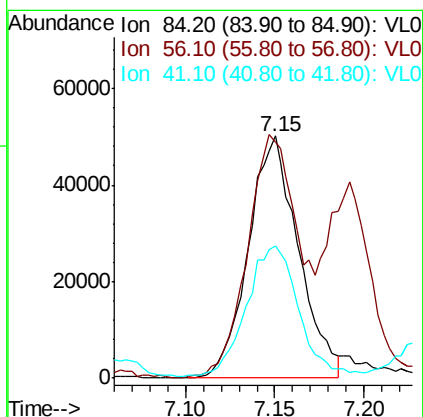
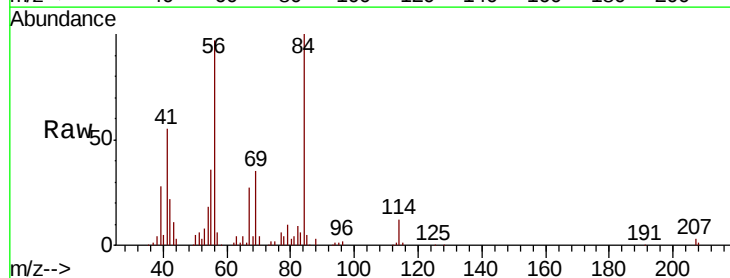
Instrument :
MSVOA_L
ClientSampleId :
B-2DUP

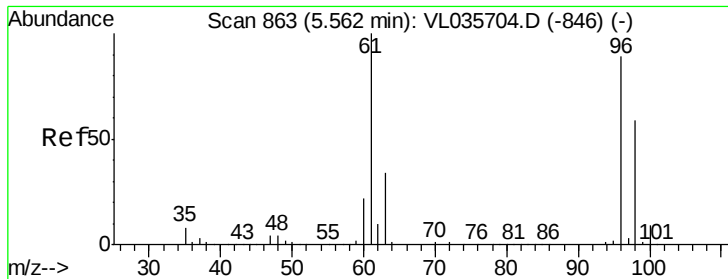
Tot Ion: 83 Resp: 22916
Ion Ratio Lower Upper
83 100
85 63.8 54.0 81.0



#30
Cyclohexane
Concen: 0.871 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

Tgt Ion: 84 Resp: 98226
Ion Ratio Lower Upper
84 100
56 102.8 84.6 127.0
41 55.5 41.1 61.7



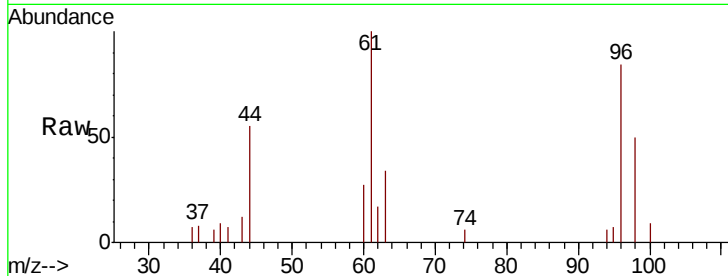


#31

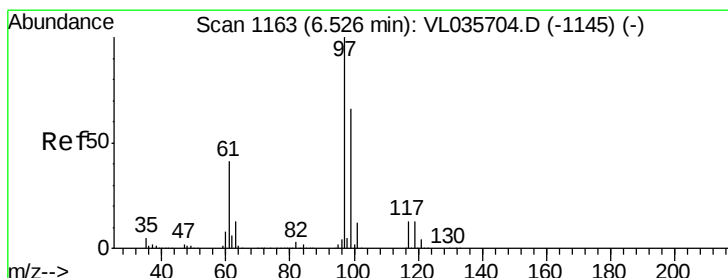
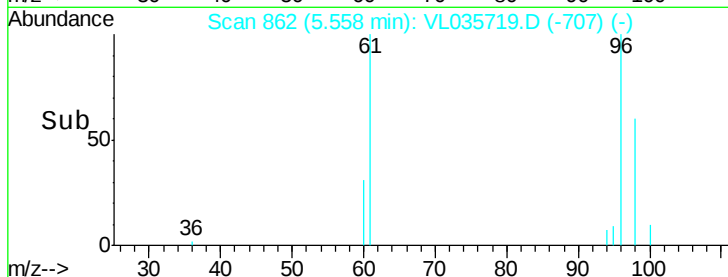
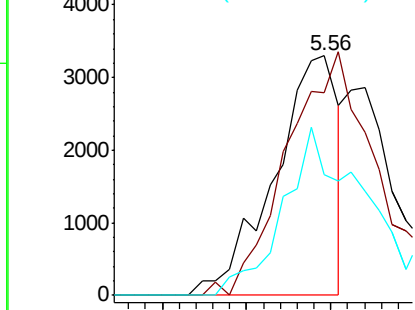
cis-1,2-Dichloroethene
Concen: 0.032 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

Instrument :
MSVOA_L
ClientSampleId :
B-2DUP

Tot Ion: 61 Resp: 3480
Ion Ratio Lower Upper
61 100
96 84.5 71.4 107.2
98 50.5 47.4 71.2



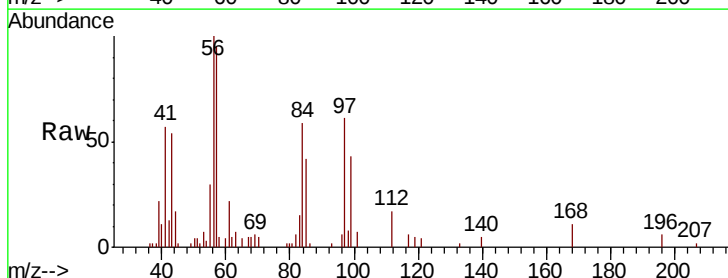
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



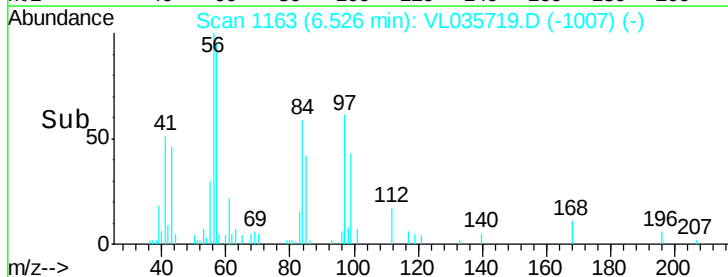
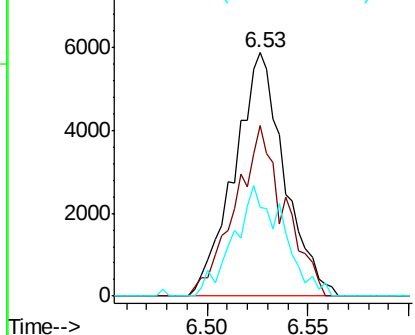
#32

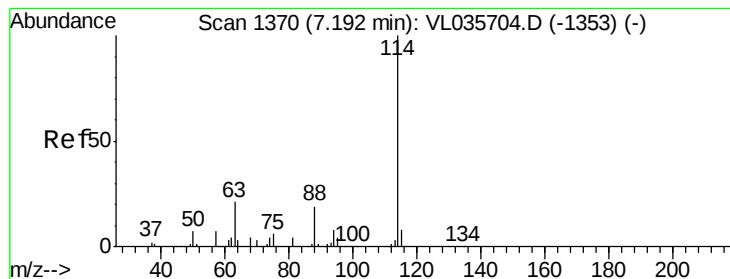
1,1,1-Trichloroethane
Concen: 0.050 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

Tgt Ion: 97 Resp: 10228
Ion Ratio Lower Upper
97 100
99 68.8 52.7 79.1
61 44.7 32.7 49.1



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# 1370

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleID :

B-2DUP

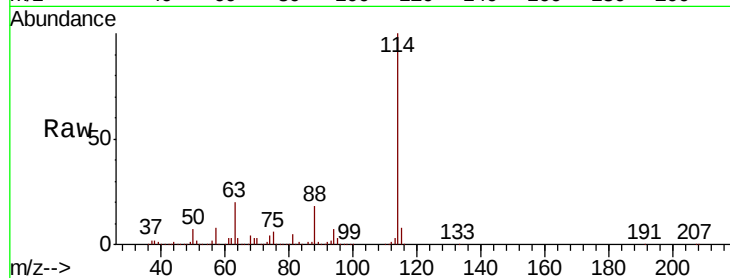
Tot Ion:114 Resp: 4217931

Ion Ratio Lower Upper

114 100

63 19.7 16.1 24.1

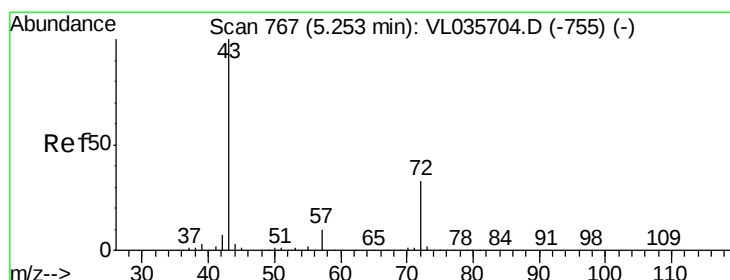
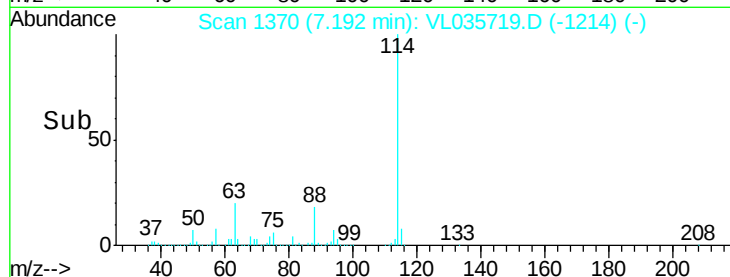
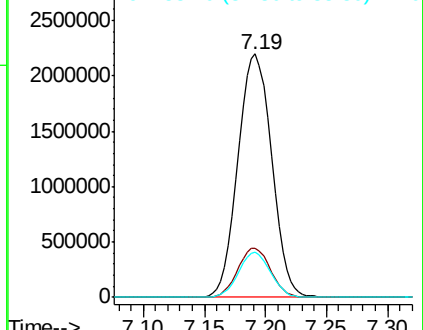
88 17.5 14.1 21.1



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.533 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035719.D

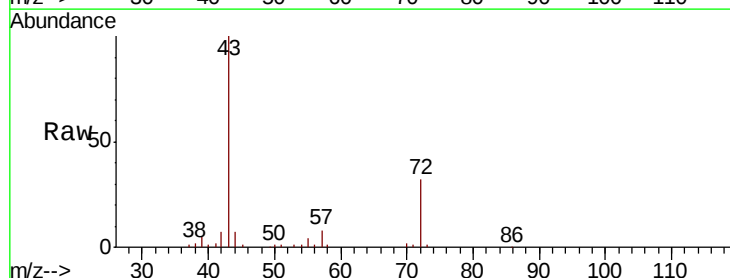
Acq: 23 Sep 2020 15:05

Tgt Ion: 43 Resp: 74349

Ion Ratio Lower Upper

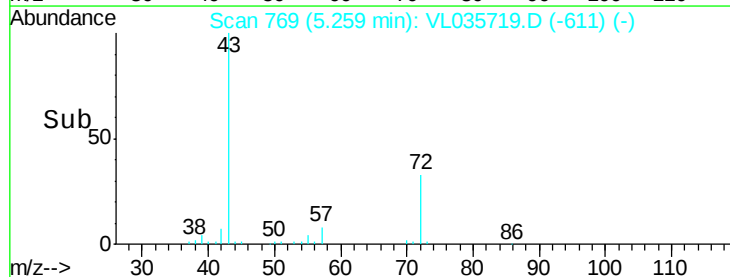
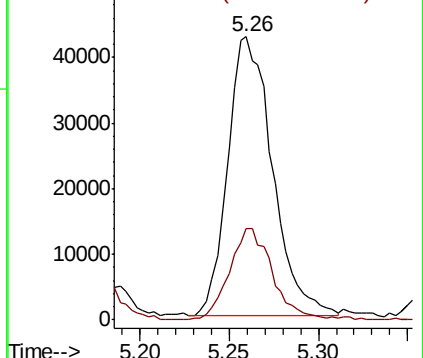
43 100

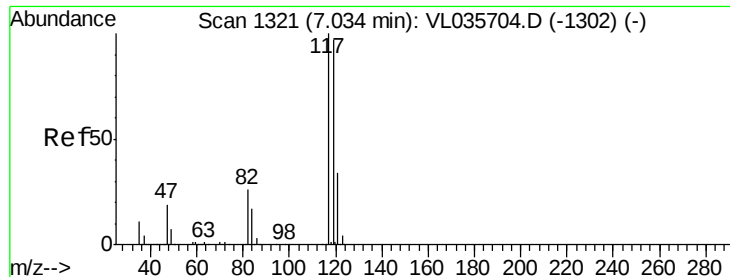
72 31.7 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.063 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

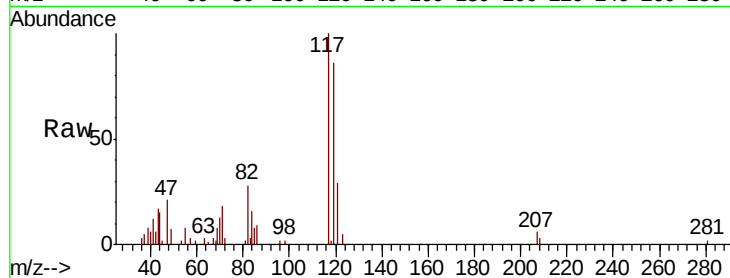
Tot Ion:117 Resp: 13836

Ion Ratio Lower Upper

117 100

119 83.7 77.7 116.5

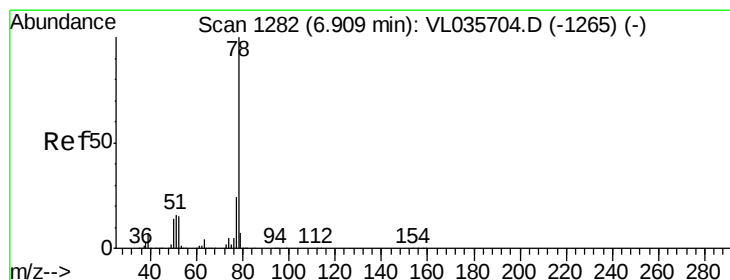
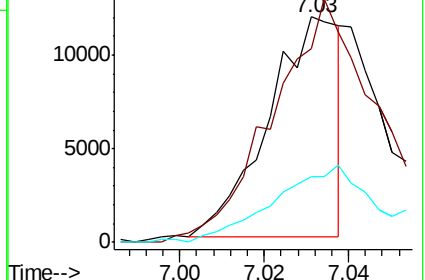
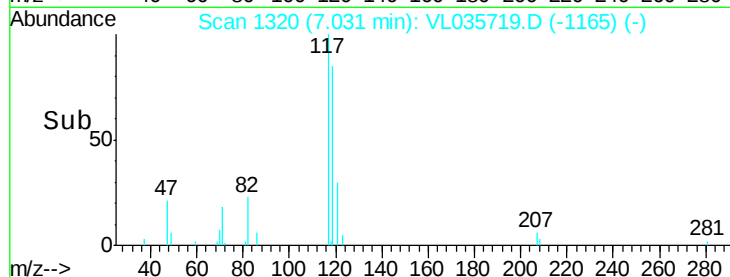
121 29.9 26.9 40.3



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: 0.256 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

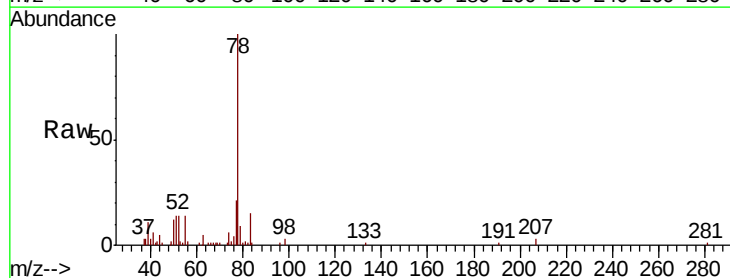
Tgt Ion: 78 Resp: 70313

Ion Ratio Lower Upper

78 100

77 19.7 19.3 28.9

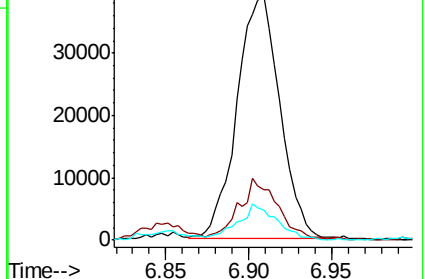
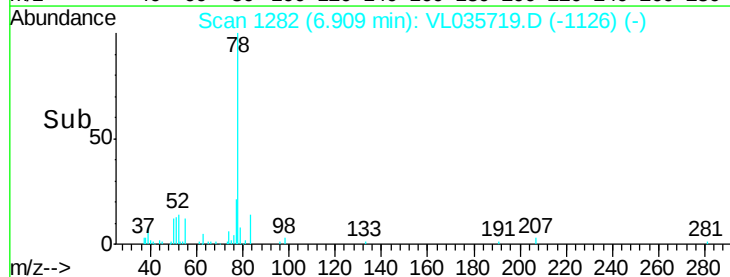
50 11.7 11.6 17.4

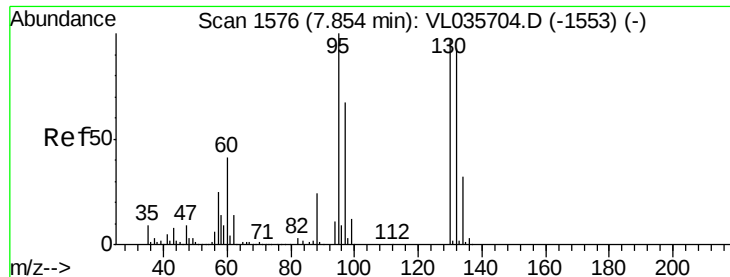


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.061 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

Tot Ion:130 Resp: 8384

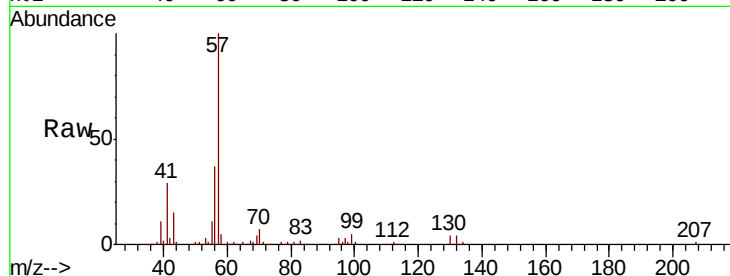
Ion Ratio Lower Upper

130 100

95 84.0 82.4 123.6

132 94.7 76.8 115.2

97 79.3 55.4 83.2



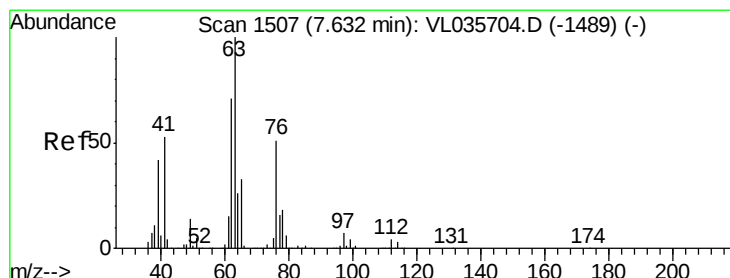
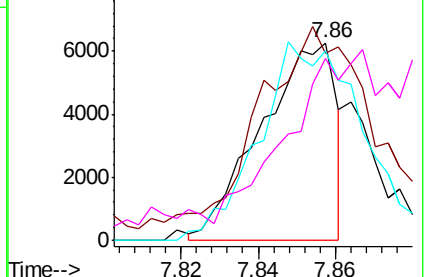
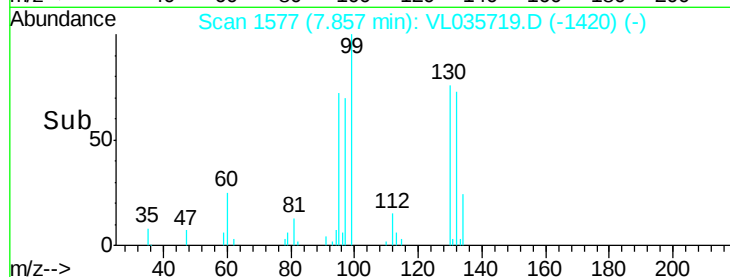
Abundance Ion 130.00 (129.70 to 130.70): V

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

Time-->



#39

1,2-Dichloropropane

Concen: 8.239 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.44 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

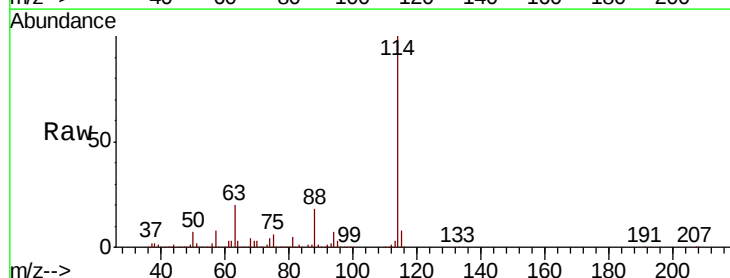
Tgt Ion: 63 Resp: 820802

Ion Ratio Lower Upper

63 100

41 0.0 42.6 63.8#

62 17.0 56.5 84.7#

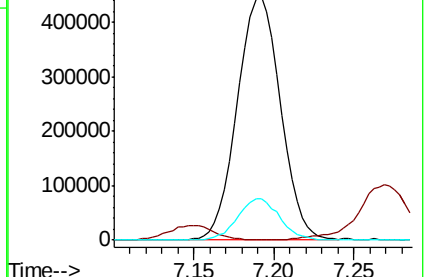
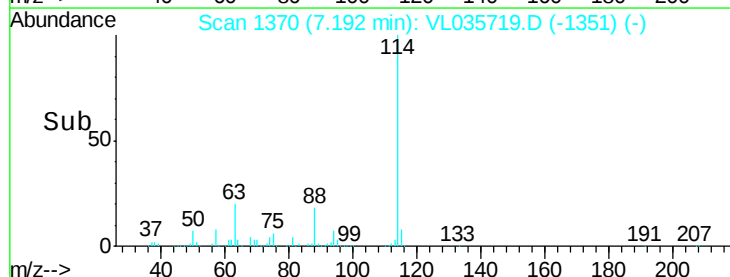


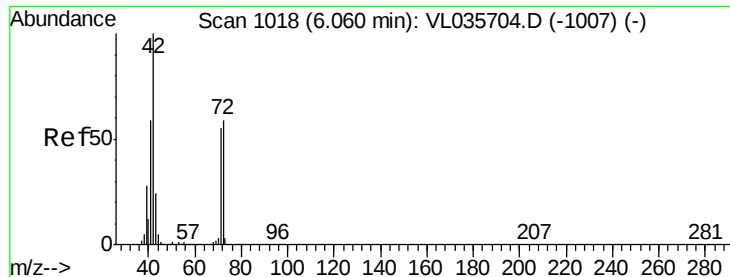
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

Time-->





#41

Tetrahydrofuran

Concen: 0.037 ppbv

RT: 5.92 min Scan# 976

Delta R.T. -0.13 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

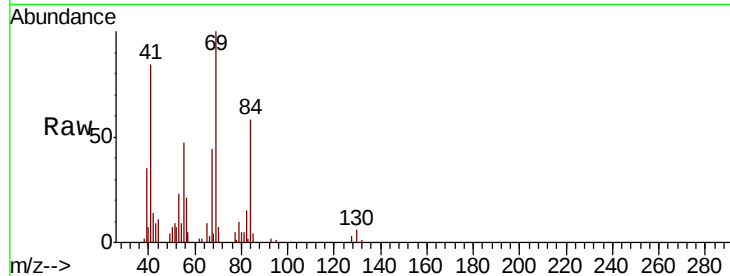
Tot Ion: 42 Resp: 2580

Ion Ratio Lower Upper

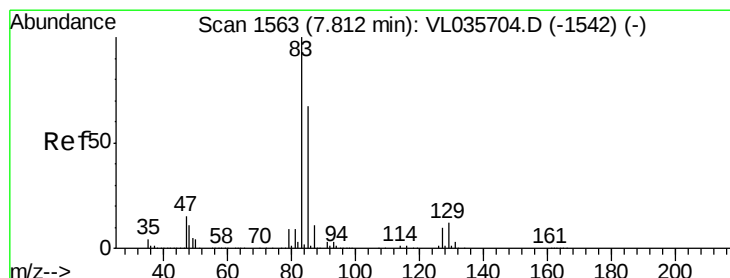
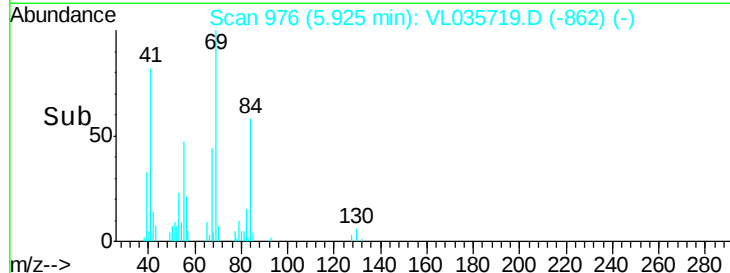
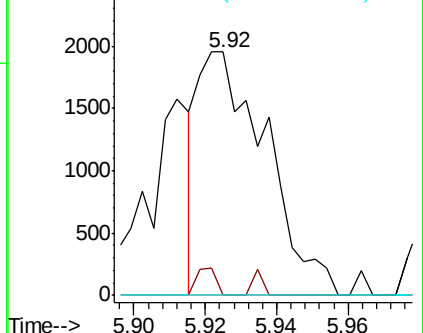
42 100

72 4.8 46.2 69.4#

71 0.0 44.2 66.4#



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: 0.248 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

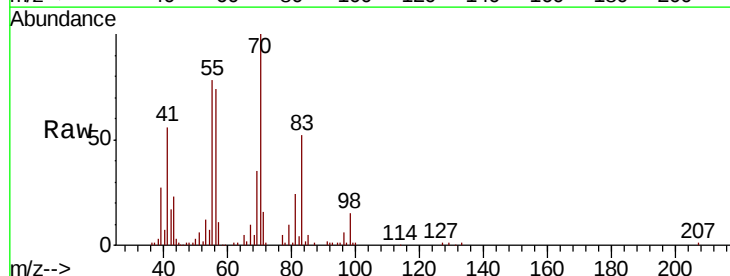
Tgt Ion: 83 Resp: 57180

Ion Ratio Lower Upper

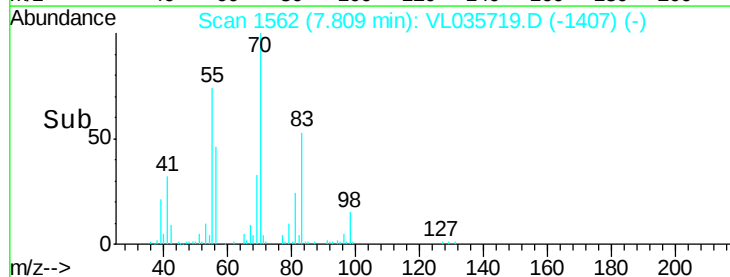
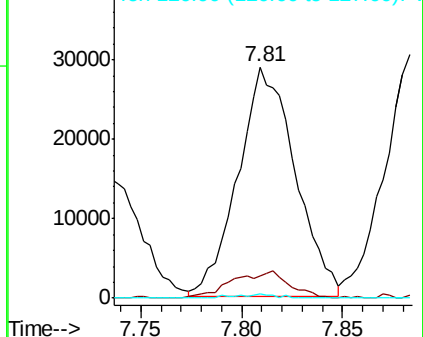
83 100

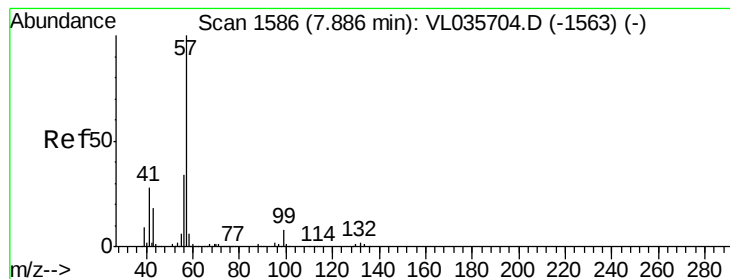
85 9.8 53.4 80.0#

127 1.7 7.8 11.6#



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





#44

2,2,4-Trimethylpentane

Concen: 10.914 ppbv

RT: 7.89 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

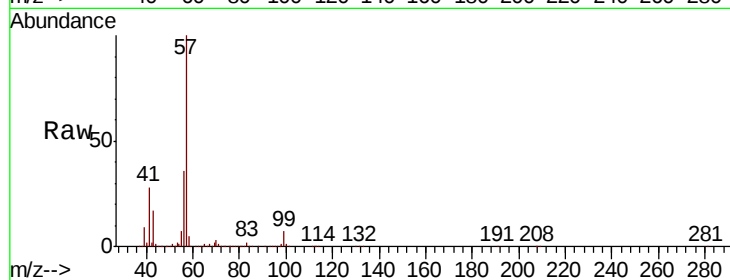
Tot Ion: 57 Resp: 4304373

Ion Ratio Lower Upper

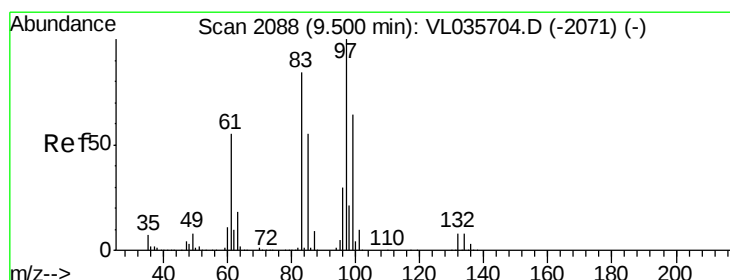
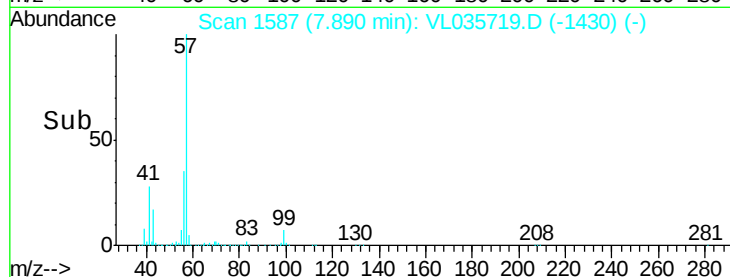
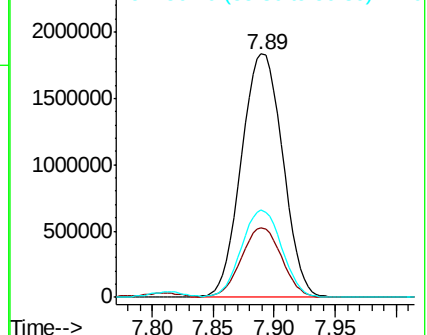
57 100

41 27.9 21.2 31.8

56 35.2 25.8 38.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#47

1,1,2-Trichloroethane

Concen: 0.038 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Tgt Ion: 97 Resp: 5375

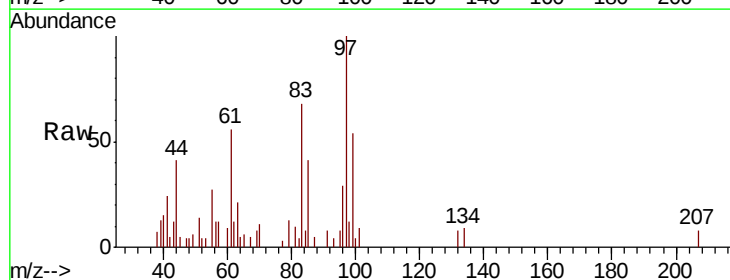
Ion Ratio Lower Upper

97 100

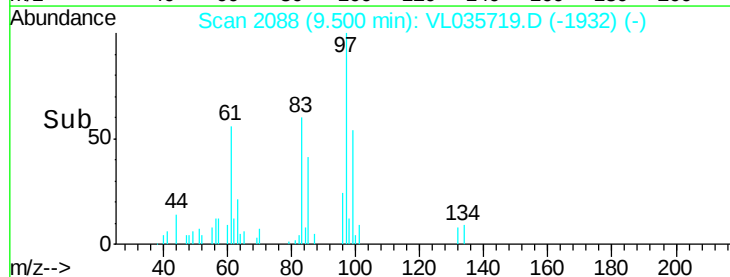
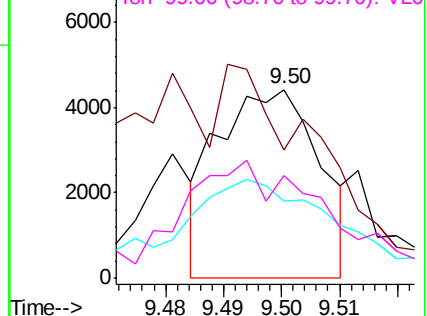
83 18.1 67.1 100.7#

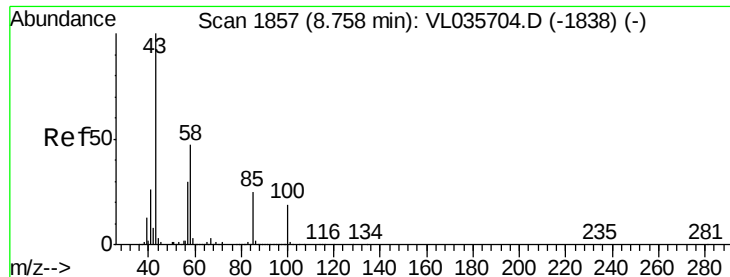
85 25.5 43.9 65.9#

99 53.4 51.3 76.9



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

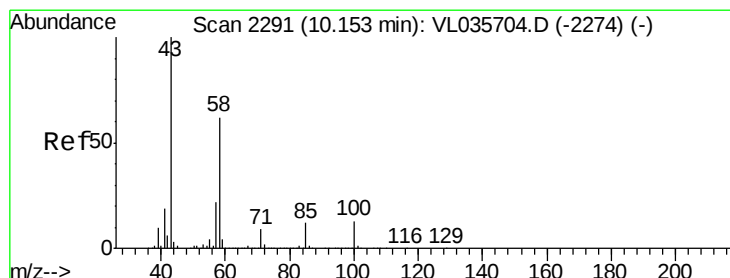
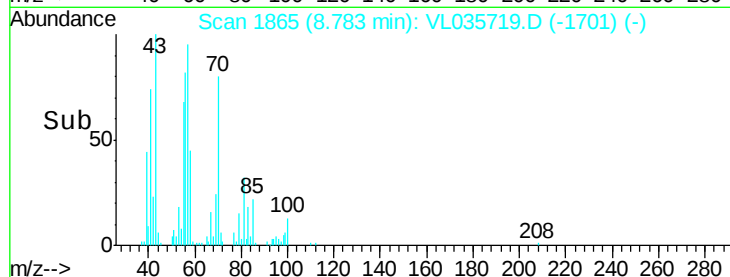
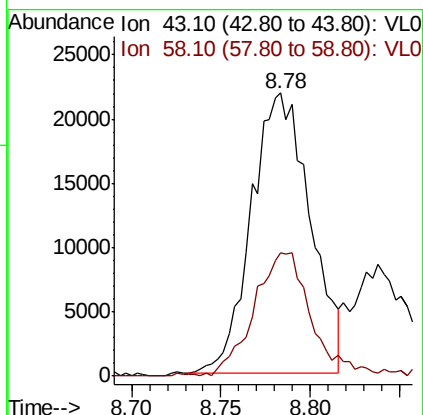
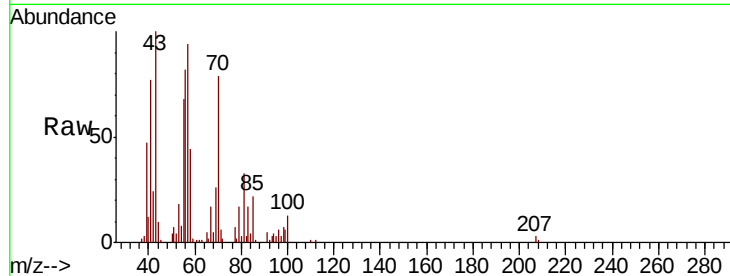




#50
 4-Methyl-2-Pentanone
 Concen: 0.247 ppbv
 RT: 8.78 min Scan# 1865
 Delta R.T. 0.03 min
 Lab File: VL035719.D
 Acq: 23 Sep 2020 15:05

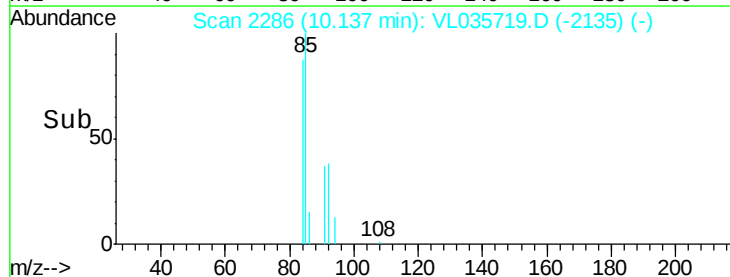
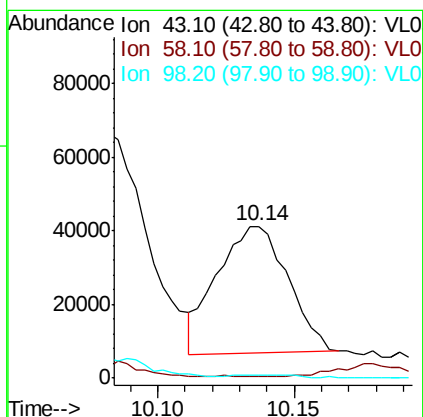
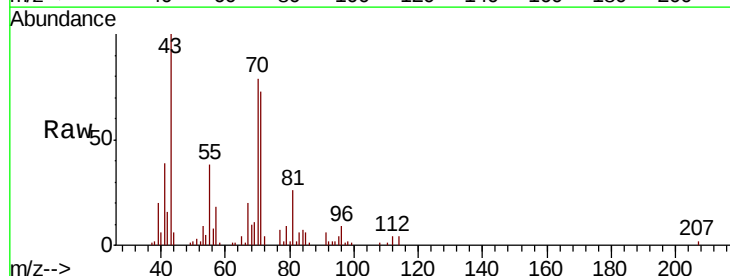
Instrument :
 MSVOA_L
 ClientSampleID :
 B-2DUP

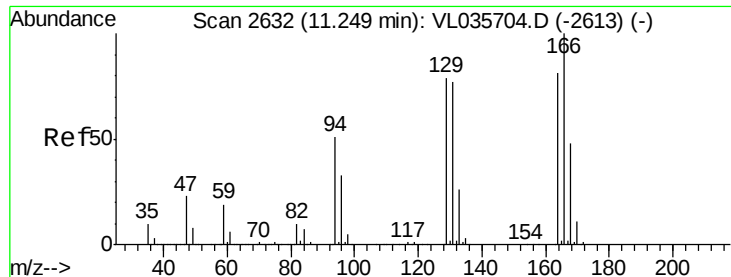
Tot Ion: 43 Resp: 50392
 Ion Ratio Lower Upper
 43 100
 58 43.5 36.6 54.8



#51
 2-Hexanone
 Concen: 0.377 ppbv
 RT: 10.14 min Scan# 2286
 Delta R.T. -0.02 min
 Lab File: VL035719.D
 Acq: 23 Sep 2020 15:05

Tgt Ion: 43 Resp: 61906
 Ion Ratio Lower Upper
 43 100
 58 12.9 48.7 73.1#
 98 2.2 0.7 1.1#





#52

Tetrachloroethene

Concen: 0.375 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

Tot Ion:164 Resp: 49506

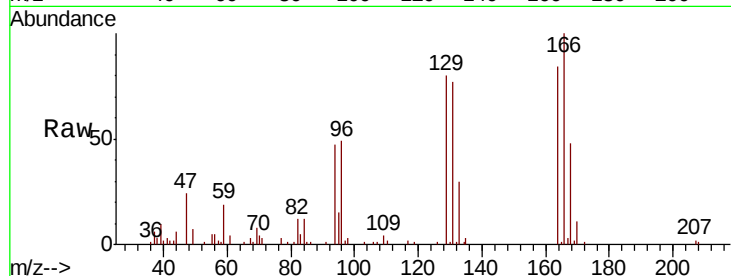
Ion Ratio Lower Upper

164 100

166 118.5 98.7 148.1

129 94.2 78.4 117.6

131 90.4 76.2 114.2

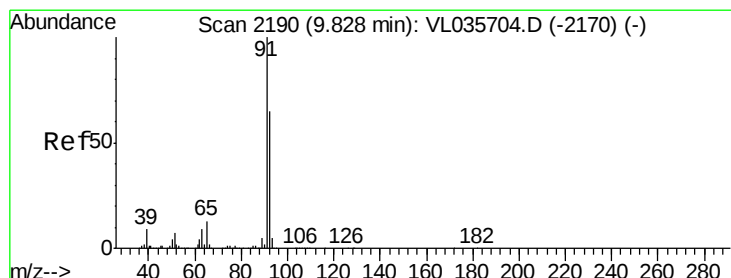
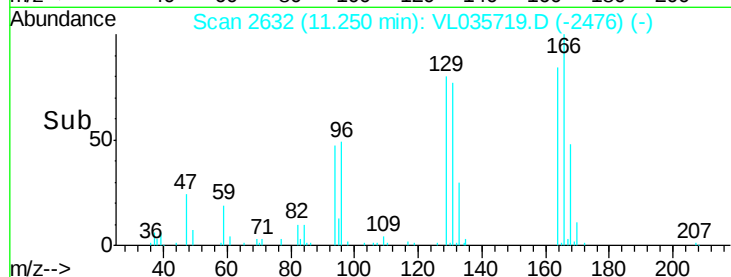
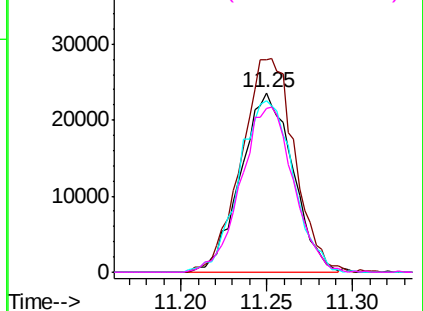


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.118 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL035719.D

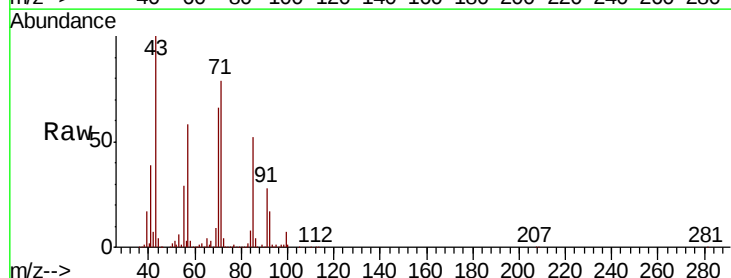
Acq: 23 Sep 2020 15:05

Tgt Ion: 91 Resp: 362380

Ion Ratio Lower Upper

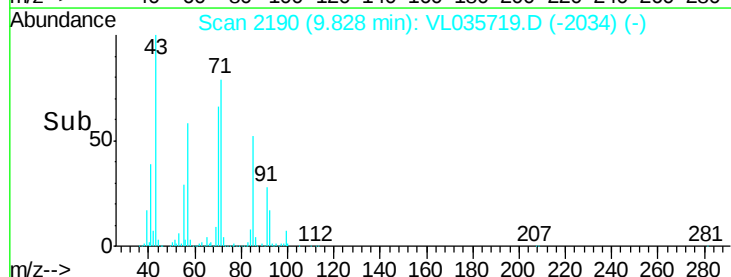
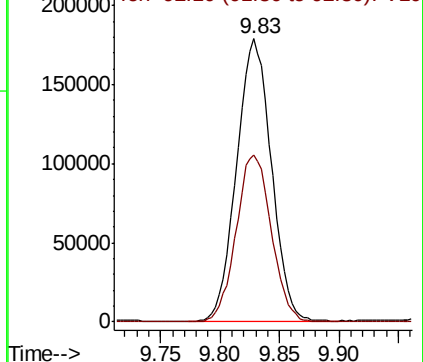
91 100

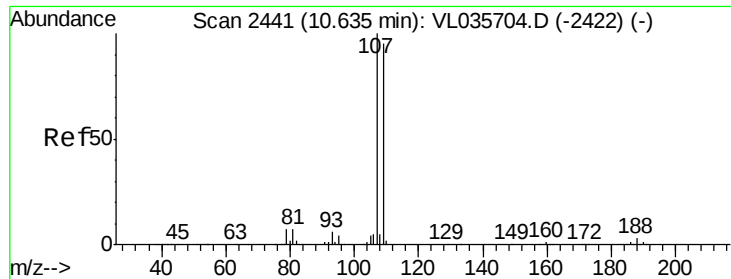
92 59.8 50.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.054 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

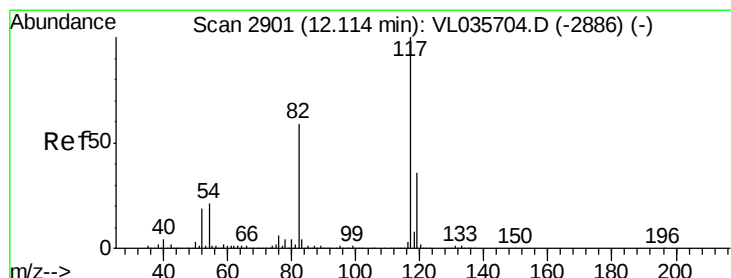
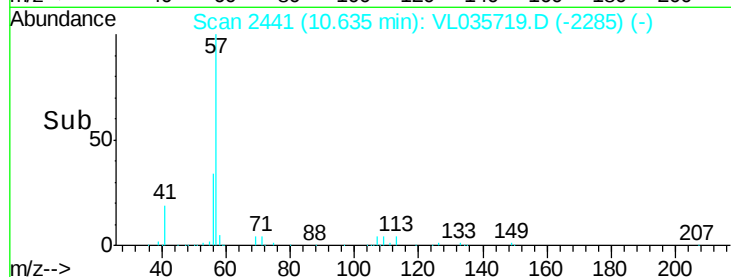
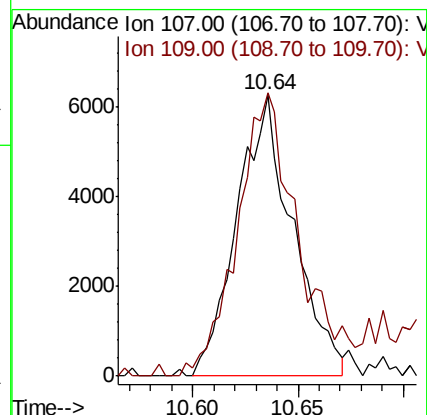
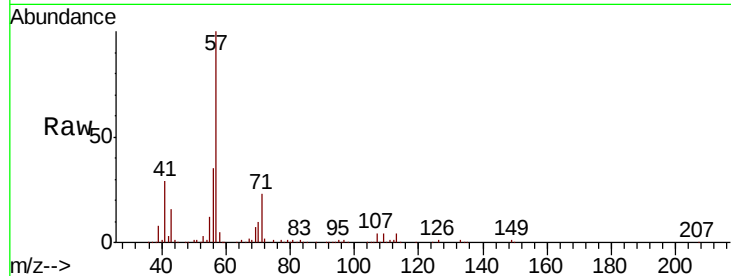
B-2DUP

Tot Ion:107 Resp: 11540

Ion Ratio Lower Upper

107 100

109 97.7 76.0 114.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

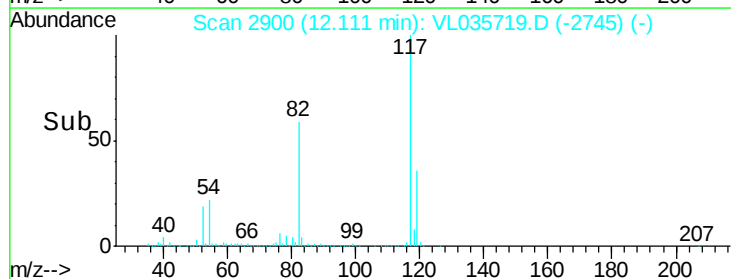
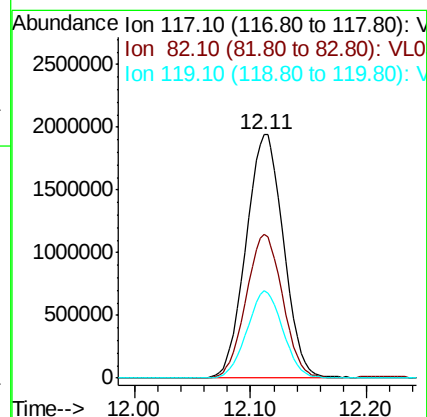
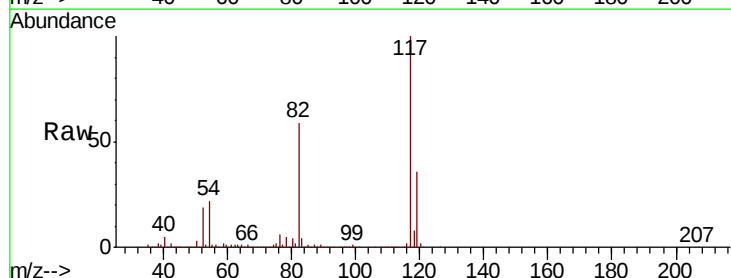
Tgt Ion:117 Resp: 4363820

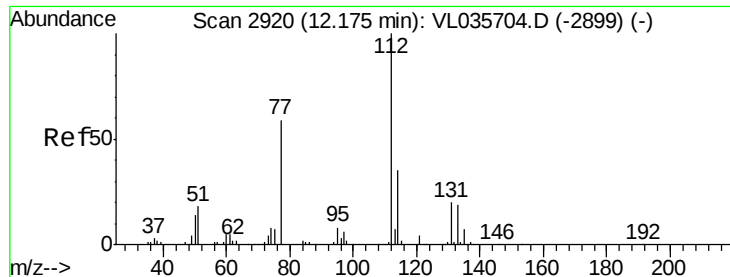
Ion Ratio Lower Upper

117 100

82 58.0 46.1 69.1

119 34.5 28.0 42.0





#57

Chlorobenzene

Concen: 0.070 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

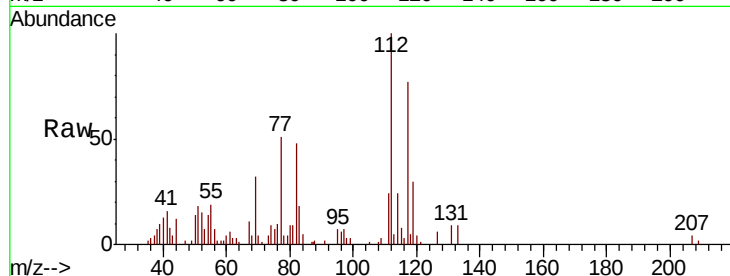
Tot Ion:112 Resp: 23011

Ion Ratio Lower Upper

112 100

77 37.1 48.2 72.2#

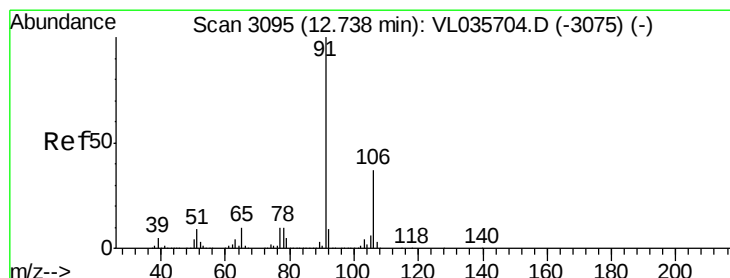
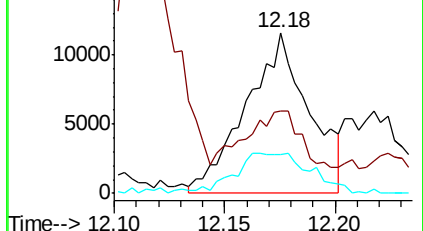
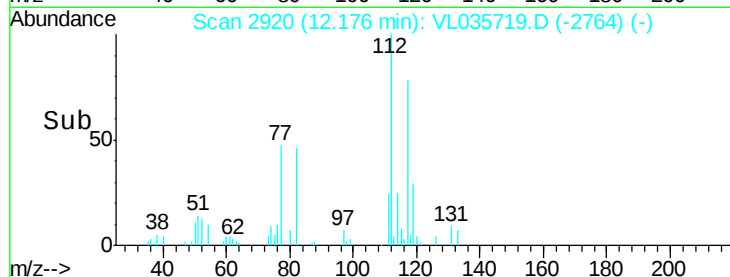
114 23.2 31.9 39.1#



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: 0.497 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL035719.D

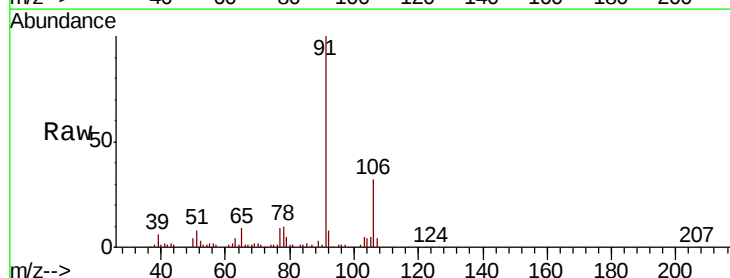
Acq: 23 Sep 2020 15:05

Tgt Ion: 91 Resp: 217616

Ion Ratio Lower Upper

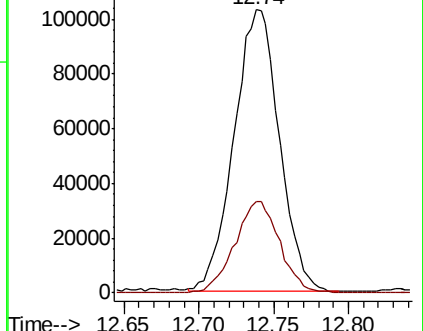
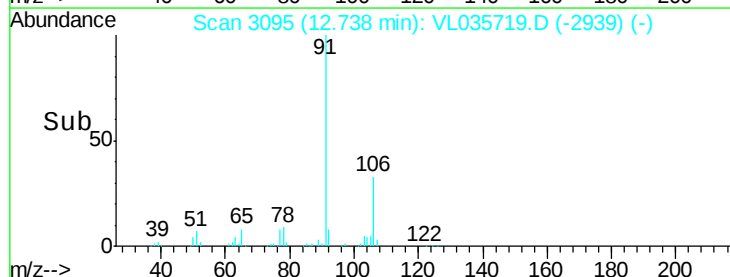
91 100

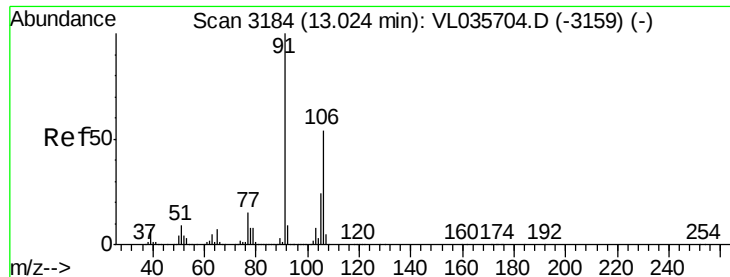
106 32.1 29.7 44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.154 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

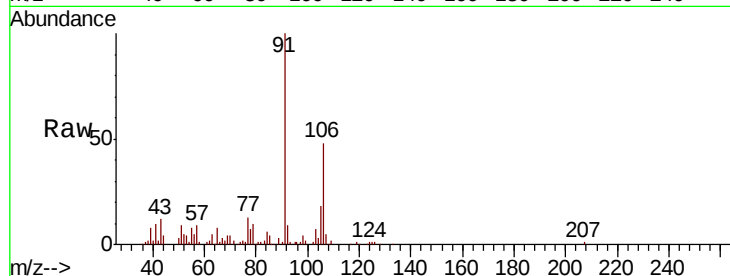
B-2DUP

Tot Ion: 91 Resp: 59007

Ion Ratio Lower Upper

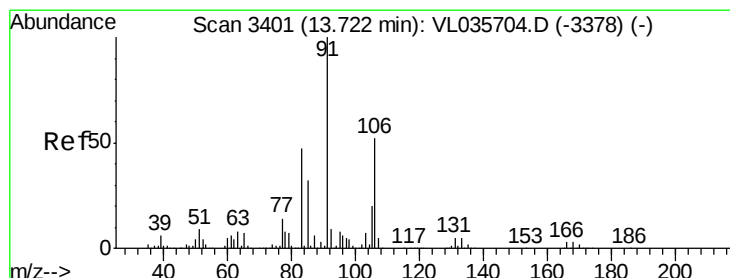
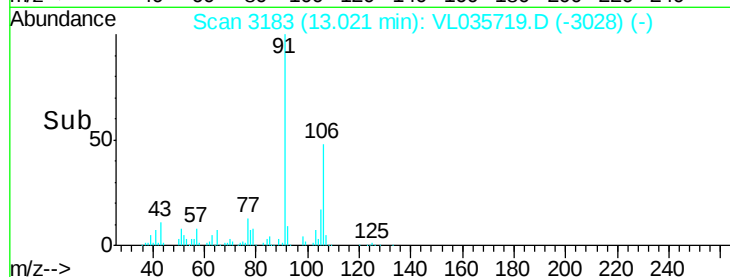
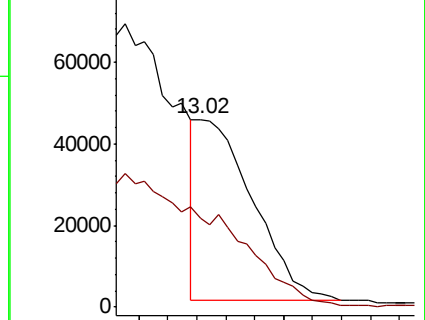
91 100

106 0.0 41.4 62.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.171 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VL035719.D

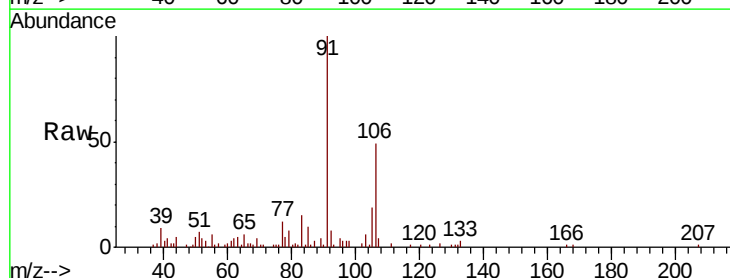
Acq: 23 Sep 2020 15:05

Tgt Ion: 91 Resp: 66039

Ion Ratio Lower Upper

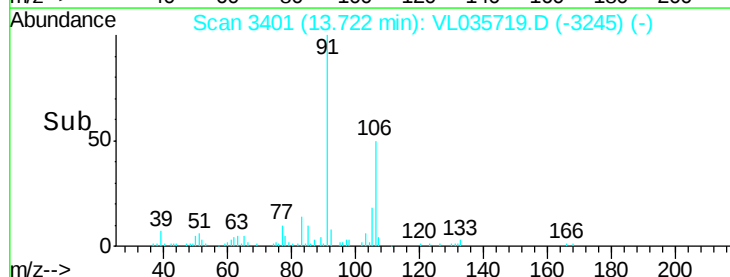
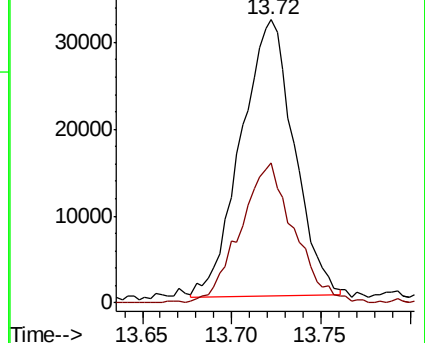
91 100

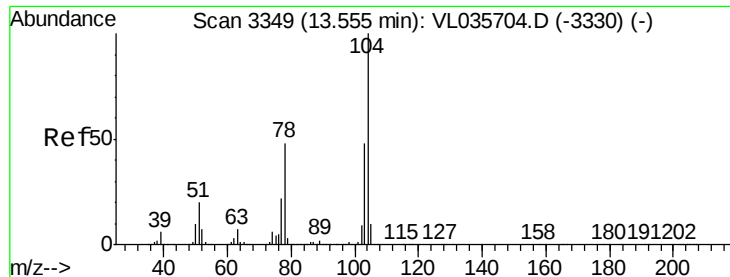
106 51.6 25.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.052 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

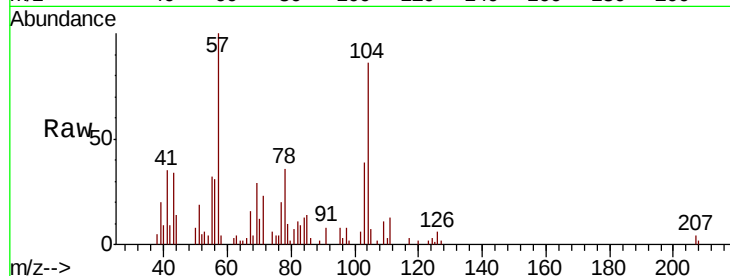
Tot Ion:104 Resp: 13955

Ion Ratio Lower Upper

104 100

78 69.8 37.2 55.8#

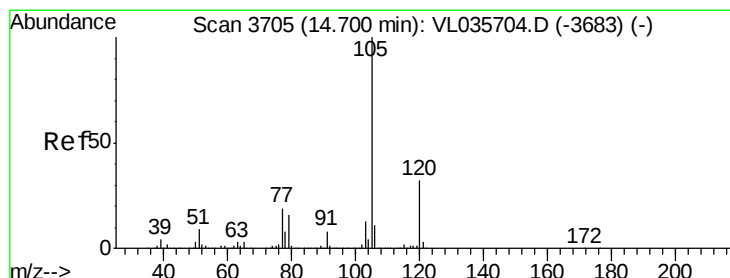
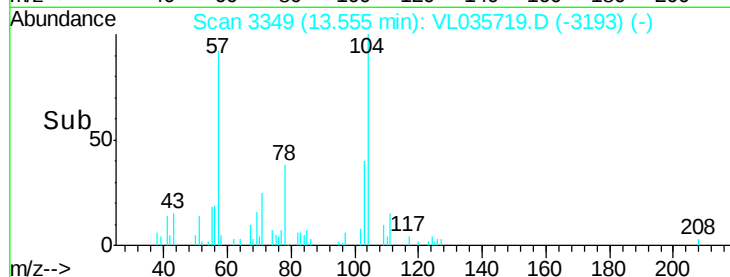
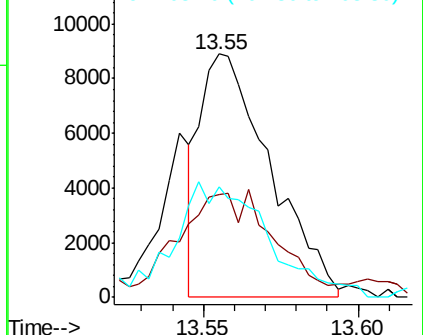
103 65.0 38.2 57.2#



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: 0.286 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL035719.D

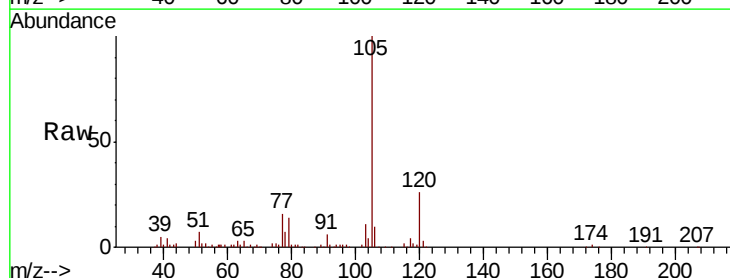
Acq: 23 Sep 2020 15:05

Tgt Ion:105 Resp: 171511

Ion Ratio Lower Upper

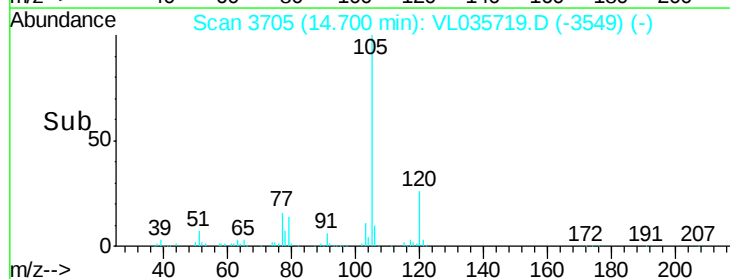
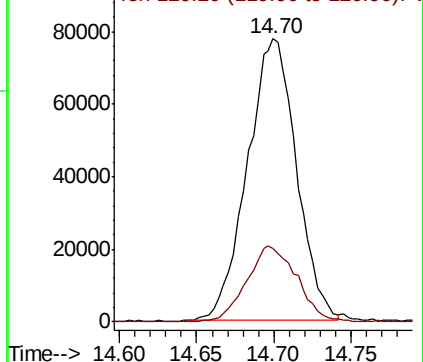
105 100

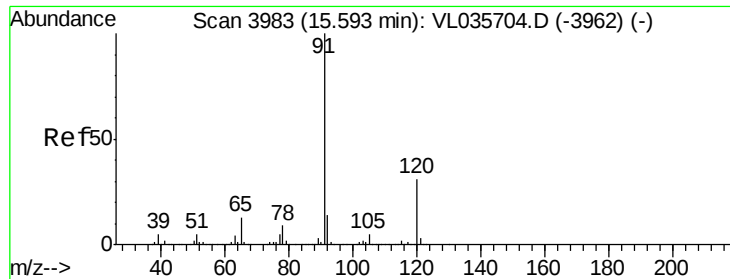
120 27.5 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

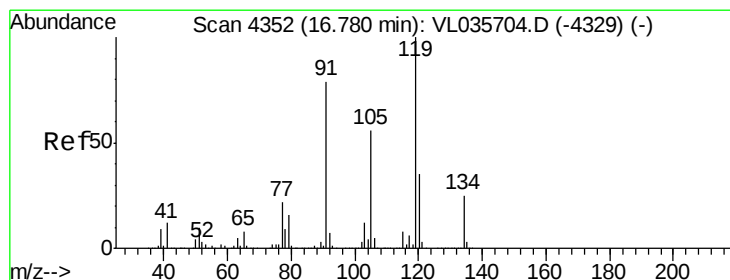
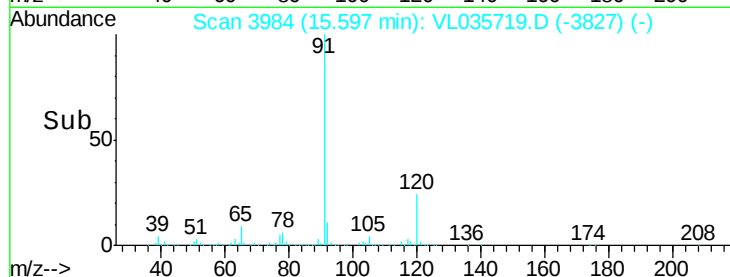
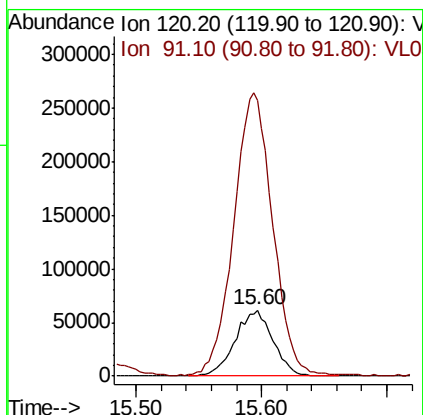
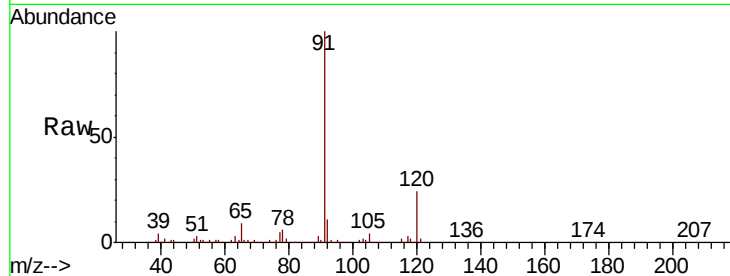




#64
n-propylbenzene
Concen: 0.730 ppbv
RT: 15.60 min Scan# 3984
Delta R.T. 0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

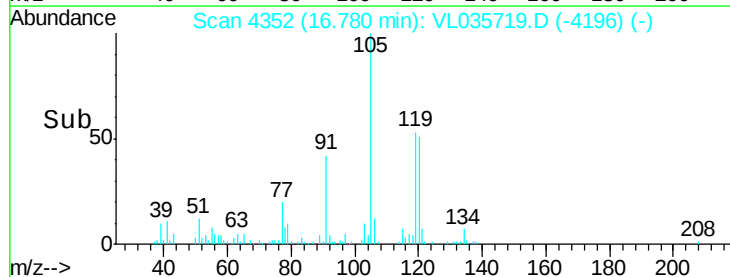
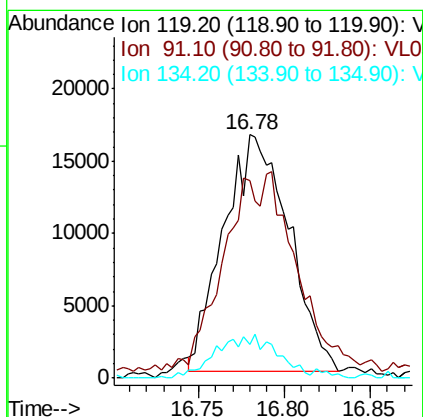
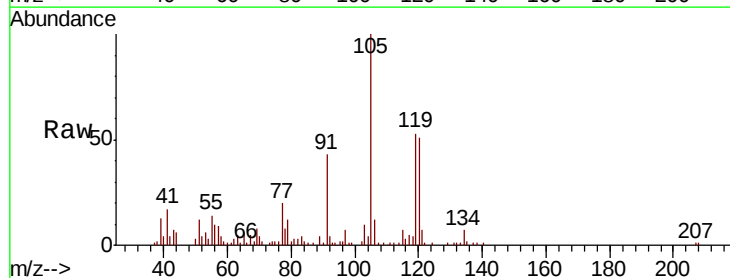
Instrument :
MSVOA_L
ClientSampleId :
B-2DUP

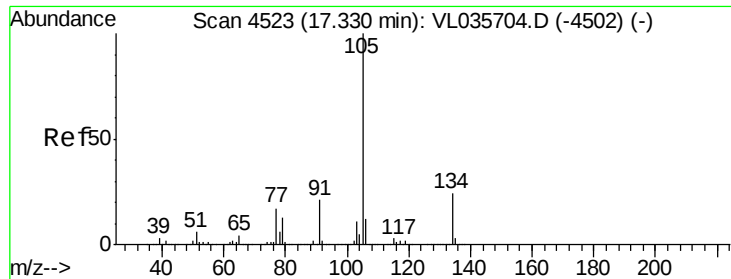
Tot Ion:120 Resp: 128264
Ion Ratio Lower Upper
120 100
91 441.5 300.4 450.6



#65
tert-Butylbenzene
Concen: 0.079 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

Tgt Ion:119 Resp: 43152
Ion Ratio Lower Upper
119 100
91 94.5 62.4 93.6#
134 18.4 18.2 27.2





#67

sec-Butylbenzene

Concen: 0.133 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

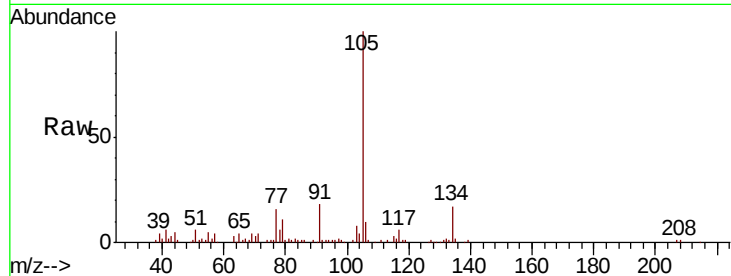
B-2DUP

Tot Ion:105 Resp: 100189

Ion Ratio Lower Upper

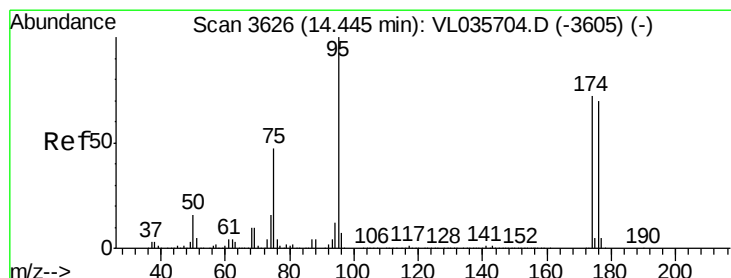
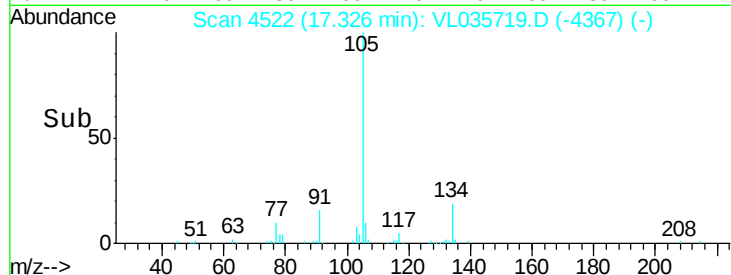
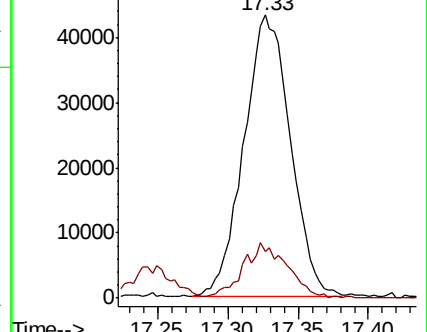
105 100

134 18.6 17.6 26.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.090 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

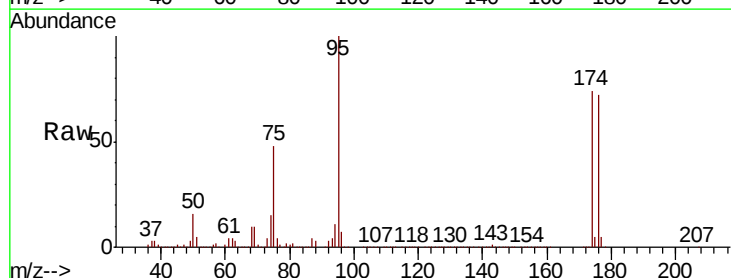
Tgt Ion: 95 Resp: 3299345

Ion Ratio Lower Upper

95 100

174 74.8 59.6 89.4

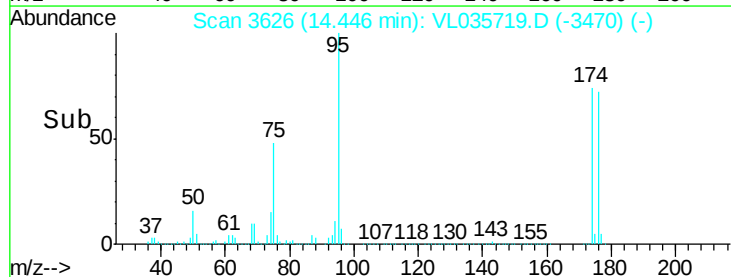
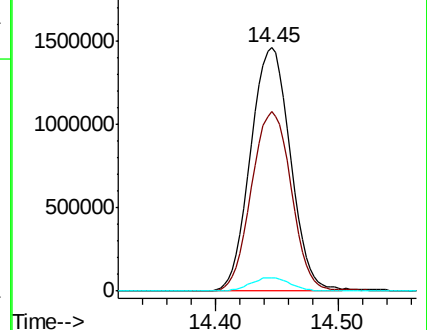
175 5.4 4.2 6.4

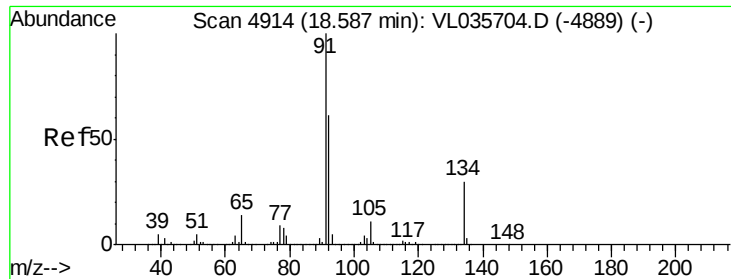


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

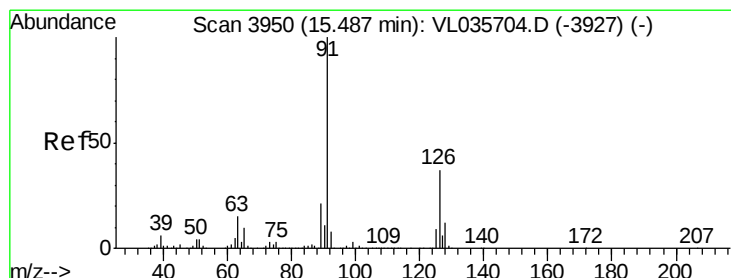
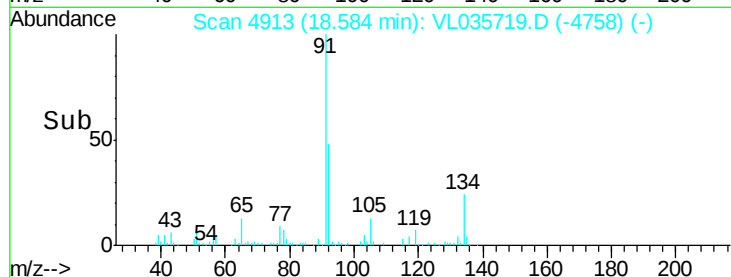
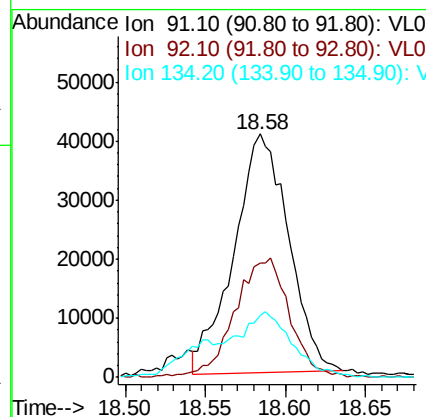
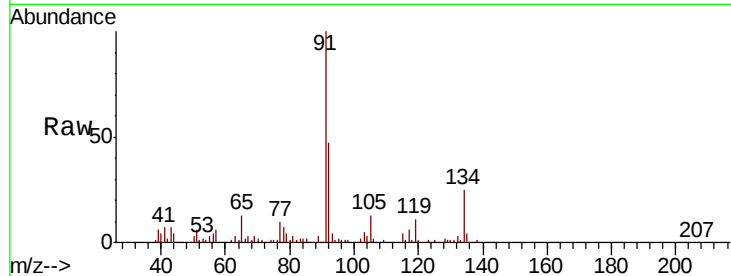




#70
n-Butylbenzene
Concen: 0.150 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

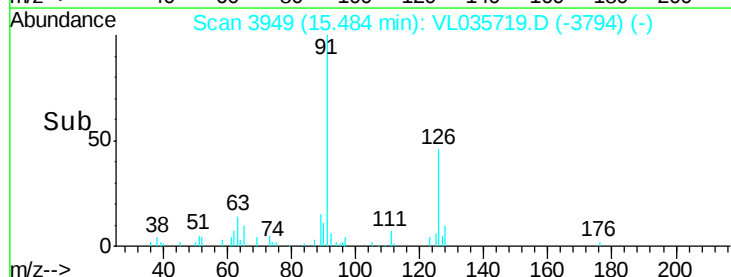
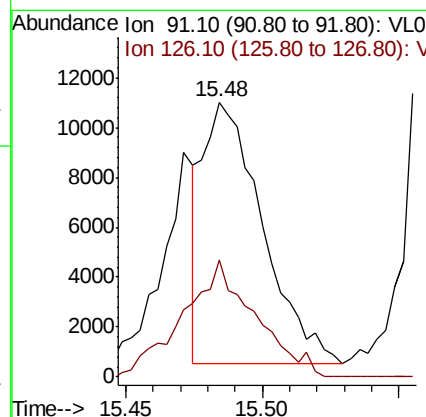
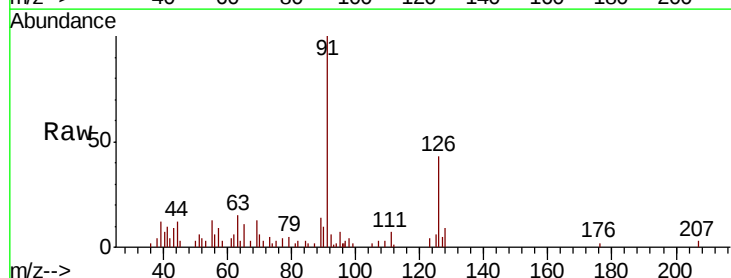
Instrument :
MSVOA_L
ClientSampled :
B-2DUP

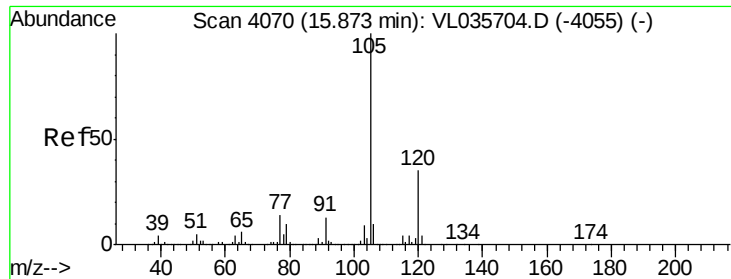
Tot Ion: 91 Resp: 94756
Ion Ratio Lower Upper
91 100
92 50.3 47.0 70.4
134 39.0 21.9 32.9#



#71
2-Chlorotoluene
Concen: 0.036 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

Tgt Ion: 91 Resp: 15831
Ion Ratio Lower Upper
91 100
126 54.1 14.4 57.4

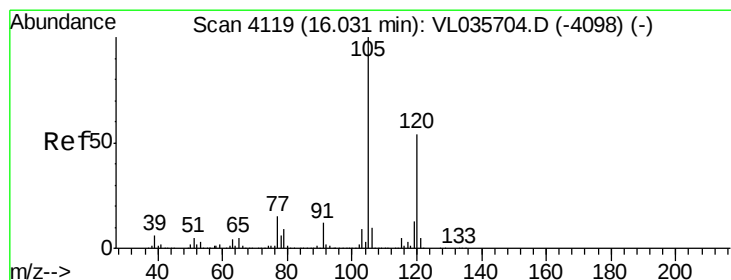
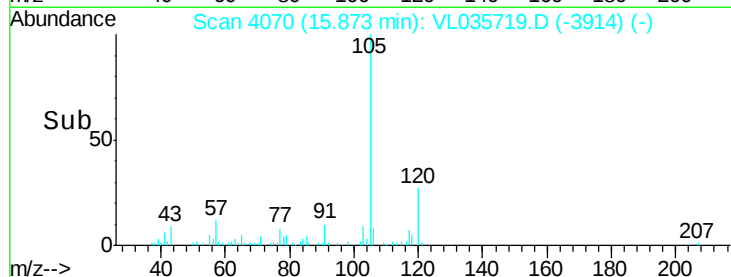
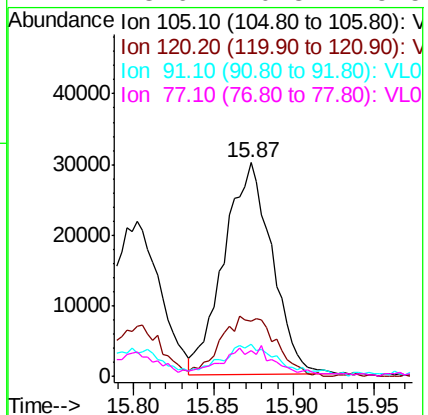
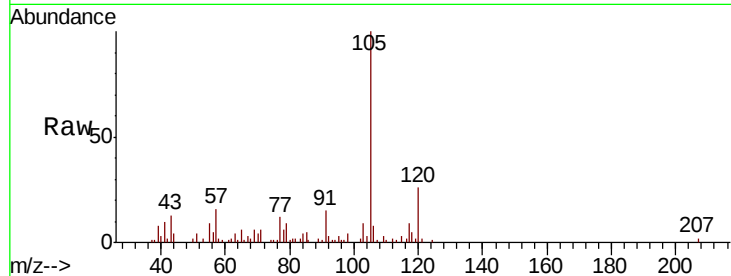




#72
4-Ethyltoluene
Concen: 0.135 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. 0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

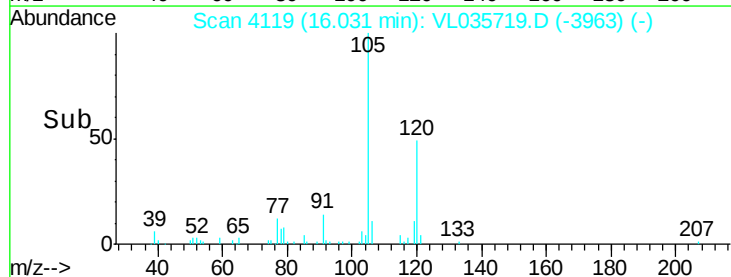
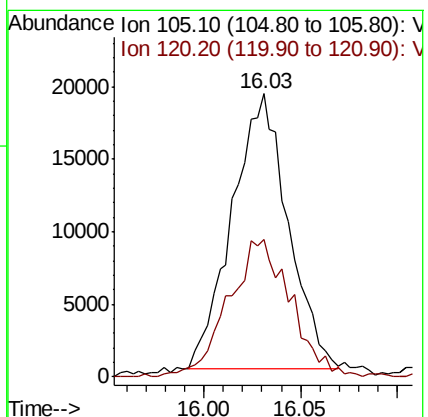
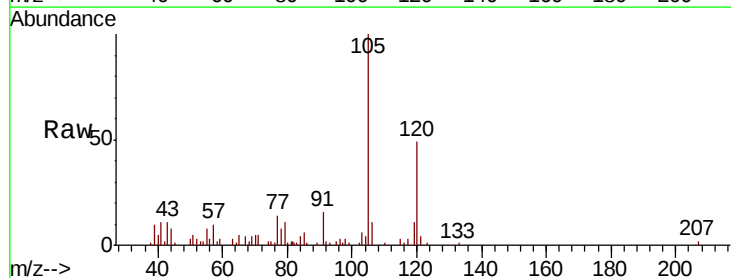
Instrument :
MSVOA_L
ClientSampleId :
B-2DUP

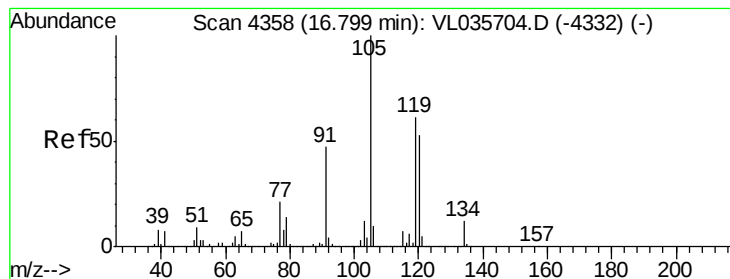
Tot Ion:105	Resp:	61786
Ion Ratio	Lower	Upper
105	100	
120	32.5	26.5 39.7
91	0.0	10.2 15.2
77	13.6	10.3 15.5



#73
1,3,5-Trimethylbenzene
Concen: 0.088 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

Tgt Ion:105	Resp:	37968
Ion Ratio	Lower	Upper
105	100	
120	46.8	43.0 64.4





#74

1,2,4-Trimethylbenzene

Concen: 0.273 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

Tot Ion:105 Resp: 133257

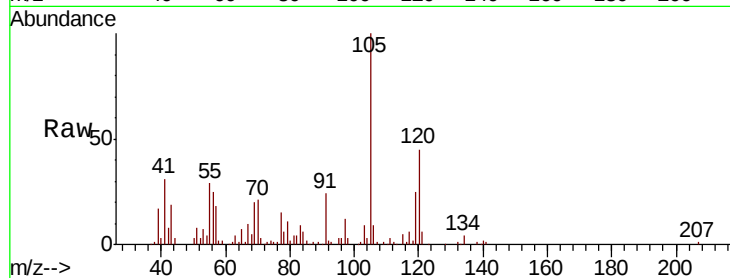
Ion Ratio Lower Upper

105 100

120 45.1 42.5 63.7

91 21.9 37.7 56.5#

77 14.2 16.7 25.1#

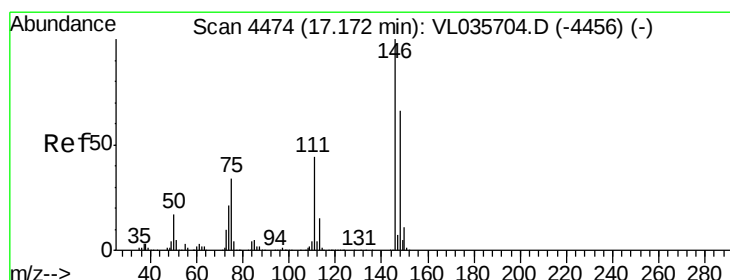
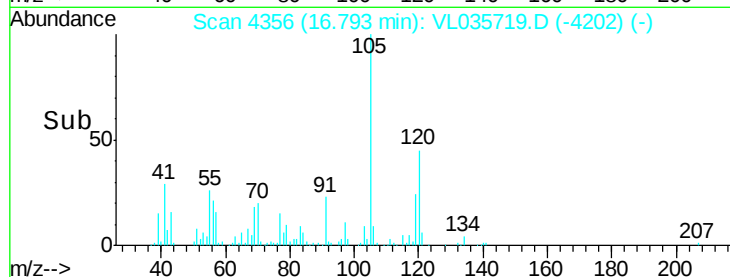
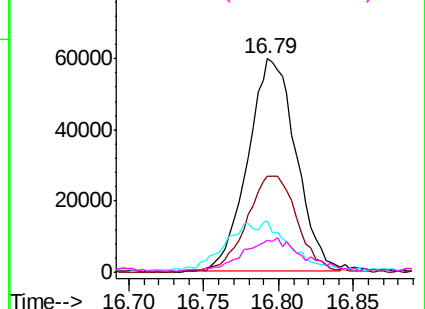


Abundance Ion 105.10 (104.80 to 105.80): V

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



#76

1,4-Dichlorobenzene

Concen: 0.056 ppbv

RT: 17.17 min Scan# 4474

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

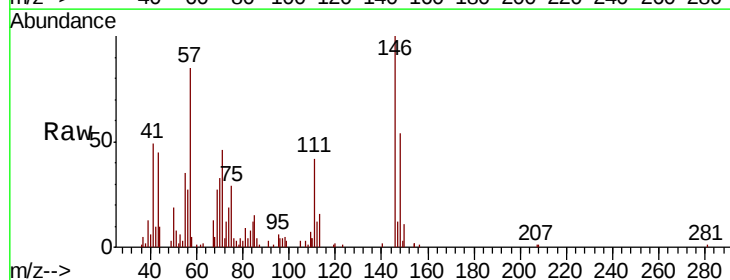
Tgt Ion:146 Resp: 17893

Ion Ratio Lower Upper

146 100

111 85.5 21.4 64.3#

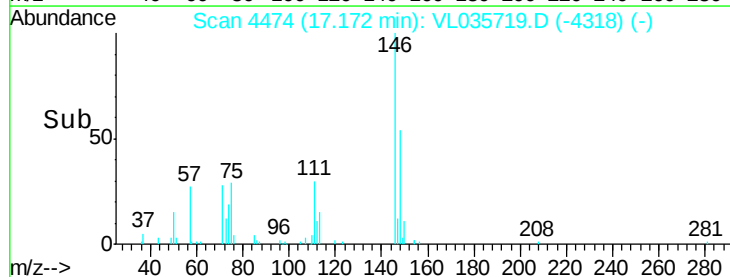
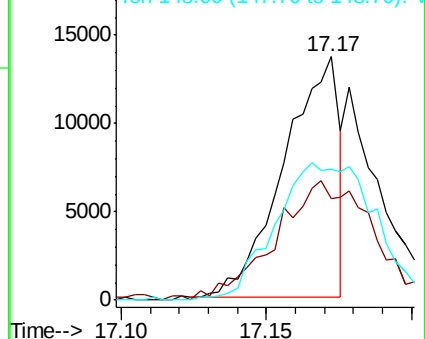
148 107.1 32.6 98.0#

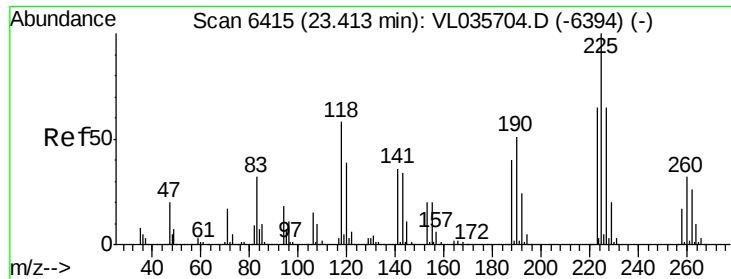


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.049 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. -0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

Instrument :

MSVOA_L

ClientSampleId :

B-2DUP

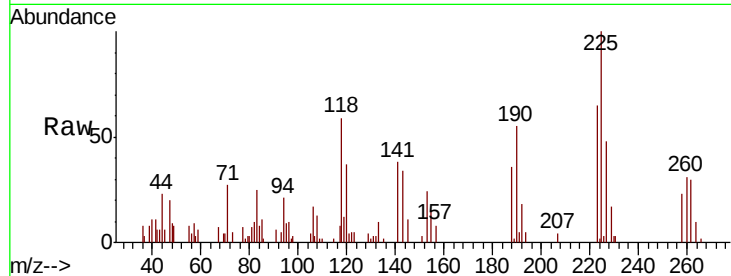
Tot Ion:225 Resp: 8446

Ion Ratio Lower Upper

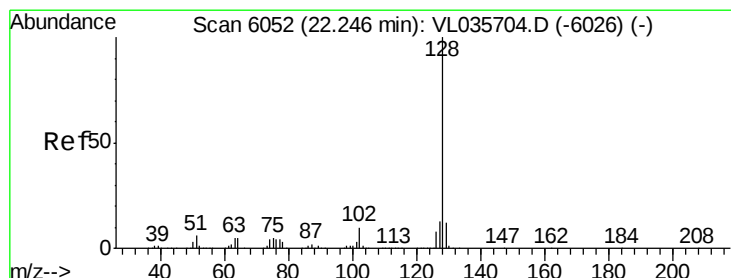
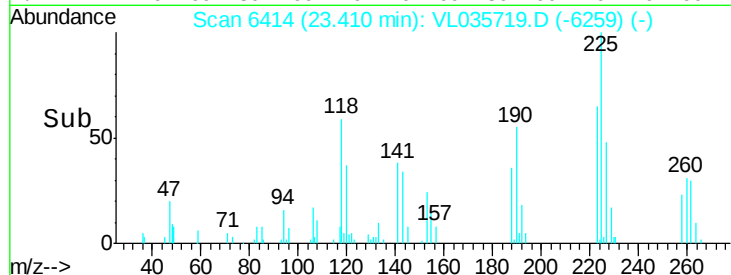
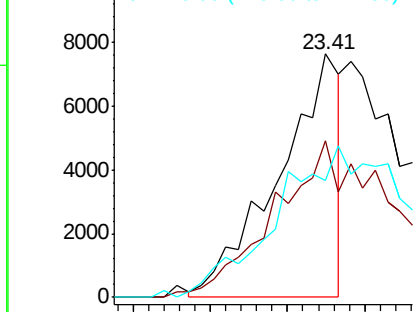
225 100

223 129.3 51.3 76.9#

227 0.0 51.6 77.4#



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: 1.390 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL035719.D

Acq: 23 Sep 2020 15:05

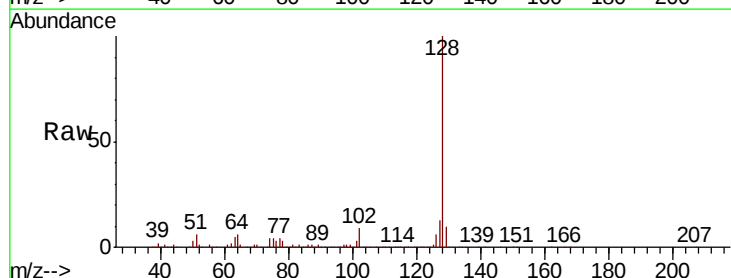
Tgt Ion:128 Resp: 647389

Ion Ratio Lower Upper

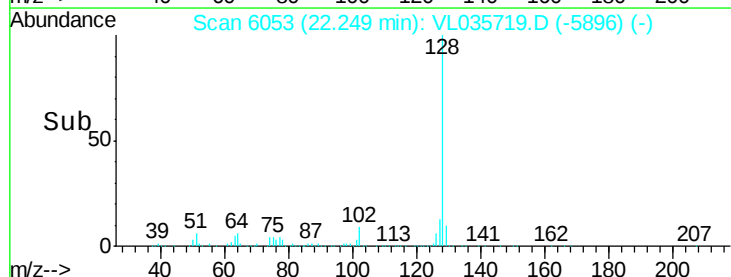
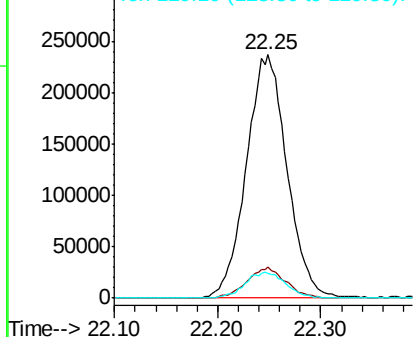
128 100

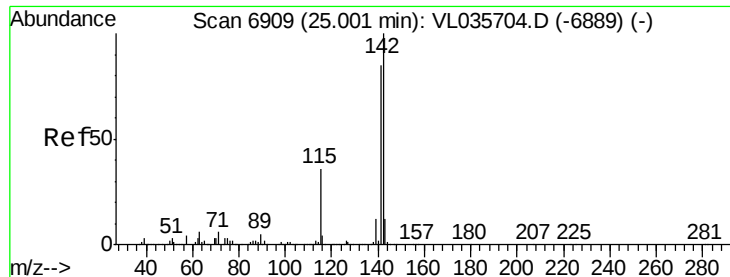
127 12.8 10.6 15.8

129 10.1 9.4 14.0



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

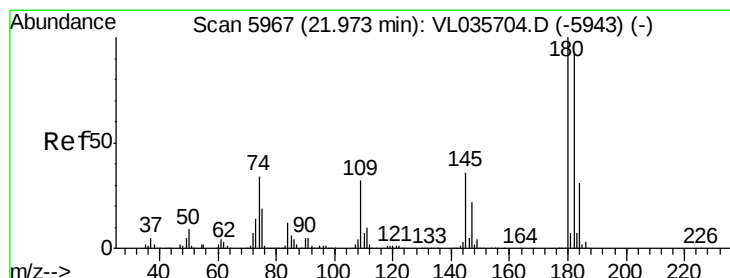
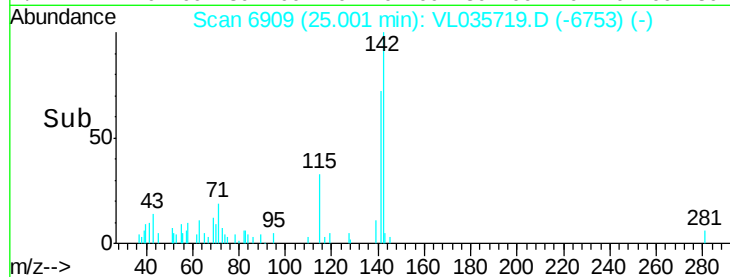
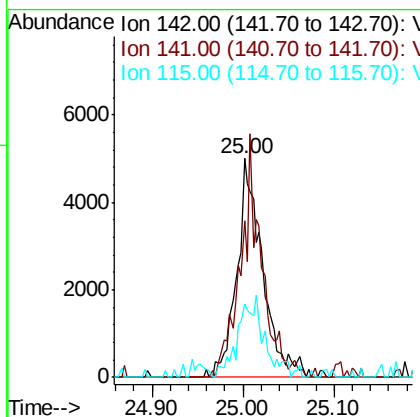
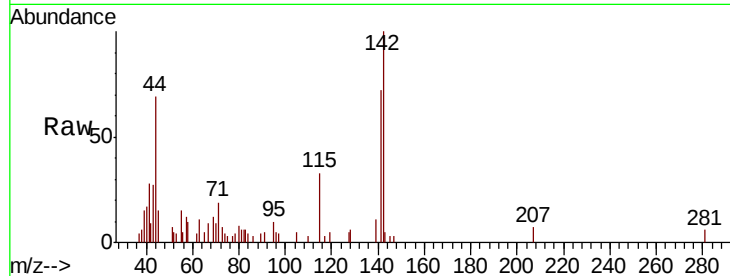




#80
Naphthalene, 2-methyl-
Concen: 0.090 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

Instrument :
MSVOA_L
ClientSampleId :
B-2DUP

Tot Ion:142 Resp: 9861
Ion Ratio Lower Upper
142 100
141 90.0 68.2 102.4
115 40.0 27.8 41.6



#81
1,2,4-Trichlorobenzene
Concen: 0.051 ppbv
RT: 21.97 min Scan# 5966
Delta R.T. -0.00 min
Lab File: VL035719.D
Acq: 23 Sep 2020 15:05

Tgt Ion:180 Resp: 12393
Ion Ratio Lower Upper
180 100
182 165.4 76.2 114.2#
184 0.0 24.6 37.0#

