

Data File : VL035657.D
Acq On : 17 Sep 2020 14:26
Operator : SY/AP
Sample : VL0917ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Quant Time: Sep 18 02:30:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1142639	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4613146	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5774284	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3391772	8.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1677806	8.473	ppbv	100
3) Chlorodifluoromethane	2.98	51	1178827	9.328	ppbv	99
4) Chloromethane	3.13	50	635864	9.392	ppbv	99
5) Vinyl Chloride	3.25	62	760617	9.112	ppbv	100
6) Bromomethane	3.47	94	659562	9.407	ppbv	99
7) Chloroethane	3.55	64	287458	9.740	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2180415	9.092	ppbv	93
9) Propene	3.00	41	449661	9.230	ppbv	99
10) Heptane	8.13	43	1299434	9.930	ppbv	100
11) Trichlorofluoromethane	3.95	101	2580941	8.938	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1963628	9.009	ppbv	94
13) Ethanol	3.60	45	92138	7.628	ppbv	98
14) Bromoethene	3.74	108	880733	9.388	ppbv	99
15) Acetone	3.85	43	1021162	8.103	ppbv	99
16) 1,3-Butadiene	3.32	39	472065	10.063	ppbv	99
17) tert-Butyl alcohol	4.29	59	1277480	8.328	ppbv	100
18) 1,1-Dichloroethene	4.29	96	907483	9.455	ppbv	95
19) Isopropyl Alcohol	3.97	45	603646	8.029	ppbv	# 98
20) Methylene Chloride	4.34	84	782333	8.335	ppbv	96
21) Allyl Chloride	4.41	41	630053	10.671	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	962133	9.416	ppbv	94
23) Vinyl Acetate	5.08	43	1612926	9.972	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1589443	9.549	ppbv	100
25) Ethyl Acetate	5.68	43	2138907	9.607	ppbv	99
26) Hexane	5.69	57	1218146	9.657	ppbv	99
27) Carbon Disulfide	4.55	76	1981925	10.949	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2123874	9.660	ppbv	99
29) Chloroform	5.76	83	2418408	9.410	ppbv	99
30) Cyclohexane	7.14	84	1342975	9.938	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1284982	9.929	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2361531	9.471	ppbv	98
34) 2-Butanone	5.25	43	1470119	10.738	ppbv	99
35) Carbon Tetrachloride	7.03	117	2454718	10.587	ppbv	99
36) Benzene	6.90	78	3084420	10.329	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1488479	10.455	ppbv	99
38) Trichloroethene	7.84	130	1555391	8.967	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1049088	10.400	ppbv	97
40) 1,4-Dioxane	7.84	88	474089	9.408	ppbv	# 62
41) Tetrahydrofuran	6.05	42	828136	11.407	ppbv	99
42) Bromodichloromethane	7.80	83	2535980	11.015	ppbv	99
43) Methyl Methacrylate	8.02	69	1299770	11.257	ppbv	97

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VL0917ABS01

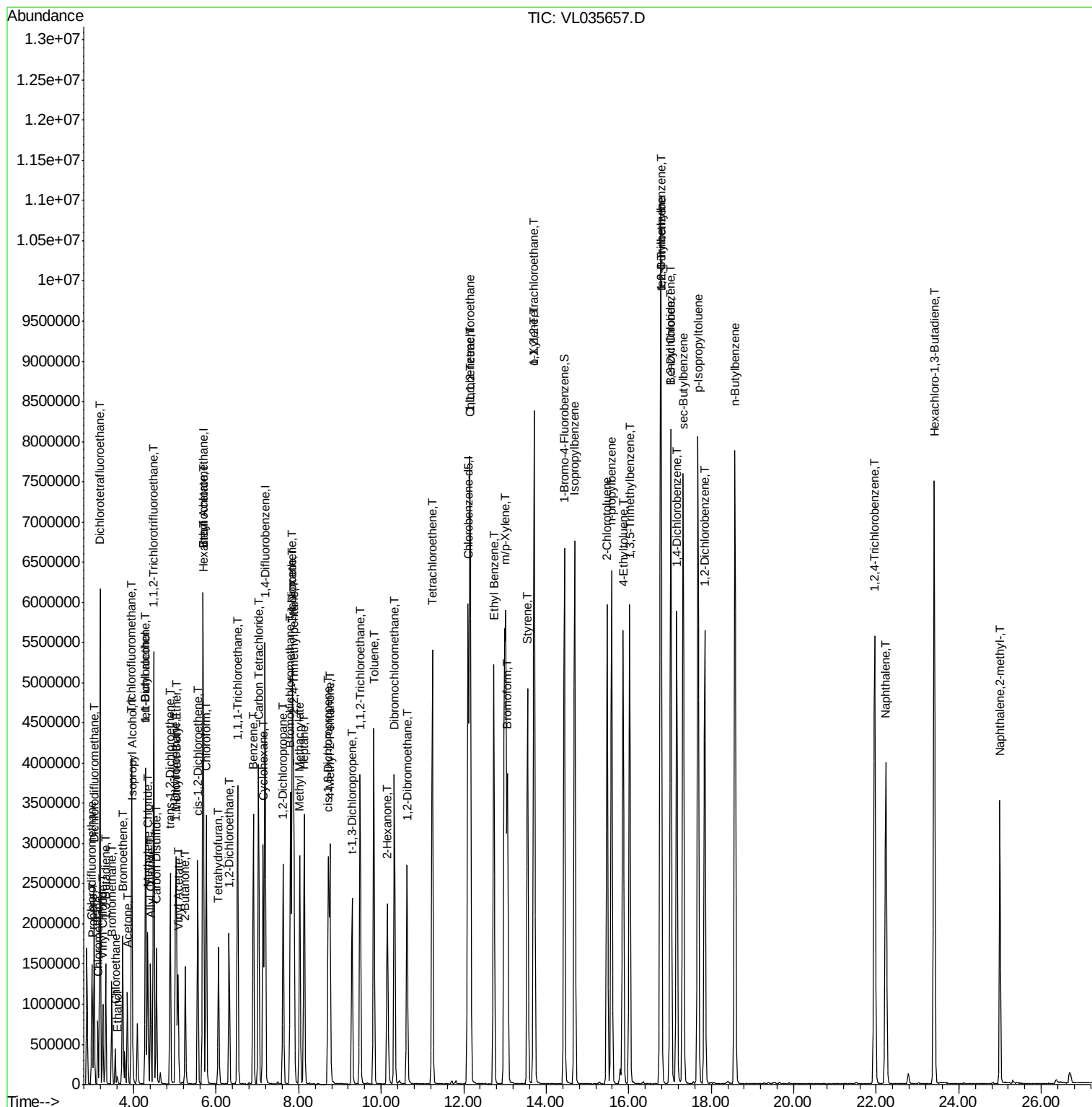
Quant Time: Sep 18 02:30:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
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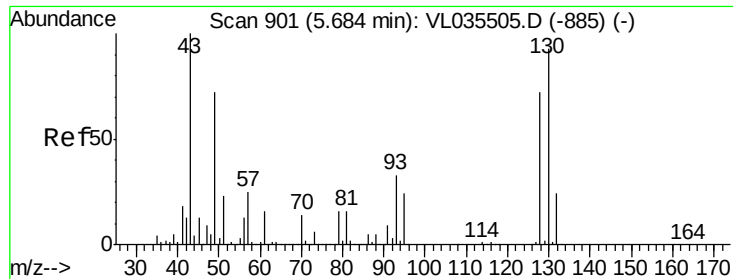
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4054448	10.319	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1467179	12.543	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1745086	12.016	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1514696	10.176	ppbv	98
48) Dibromochloromethane	10.32	129	2559144	10.924	ppbv	100
49) Bromoform	13.06	173	2306746	10.865	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2170133	10.947	ppbv	100
51) 2-Hexanone	10.15	43	1837798	11.301	ppbv #	99
52) Tetrachloroethene	11.24	164	1512323	8.669	ppbv	97
53) Toluene	9.82	91	3900948	10.388	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2390938	10.166	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1981347	8.433	ppbv	99
57) Chlorobenzene	12.17	112	3306513	7.781	ppbv	97
58) Ethyl Benzene	12.73	91	5069281	8.513	ppbv	98
59) m/p-Xylene	13.01	91	4565366	9.176	ppbv #	42
60) o-Xylene	13.72	91	4212669	8.407	ppbv	99
61) Styrene	13.55	104	3393230	8.854	ppbv	98
62) Isopropylbenzene	14.69	105	6420207	7.976	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	3057841	7.871	ppbv	99
64) n-propylbenzene	15.59	120	1999311	8.139	ppbv	91
65) tert-Butylbenzene	16.77	119	5984131	7.997	ppbv	97
66) Benzyl Chloride	17.01	91	2295722	12.345	ppbv	97
67) sec-Butylbenzene	17.32	105	7964767	7.989	ppbv	97
69) p-Isopropyltoluene	17.68	119	6866495	7.852	ppbv	98
70) n-Butylbenzene	18.58	91	6817381	8.093	ppbv	98
71) 2-Chlorotoluene	15.48	91	4915351	8.385	ppbv	96
72) 4-Ethyltoluene	15.86	105	5317219	8.346	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4919606	8.349	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	5127239	7.923	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	3508569	7.320	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	3517957	7.442	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	3449741	7.429	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	2015752	6.799	ppbv	100
79) Naphthalene	22.23	128	5803001	8.082	ppbv	99
80) Naphthalene,2-methyl-	25.00	142	2129398	8.689	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	3013235	7.008	ppbv	100

(#) = 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. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

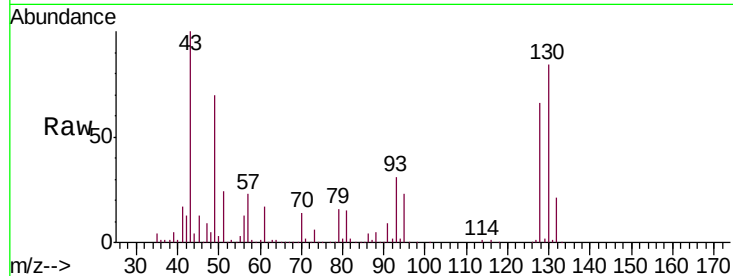
Tgt Ion: 49 Resp: 1142639

Ion Ratio Lower Upper

49 100

128 90.6 50.0 150.1

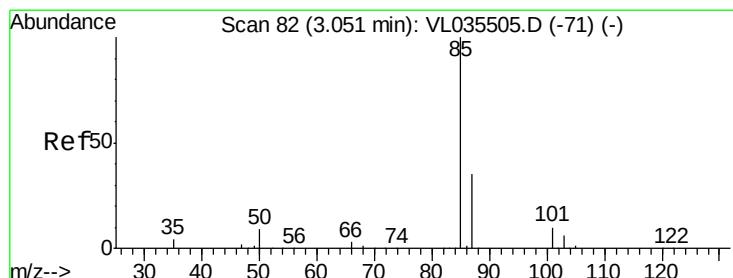
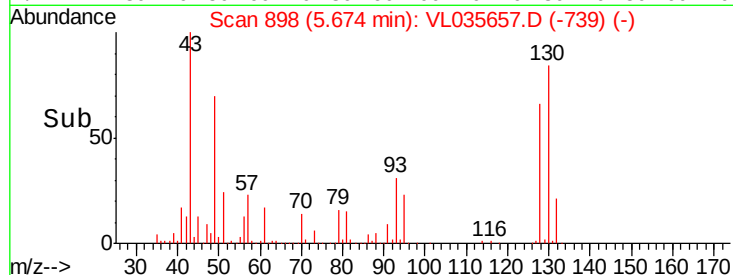
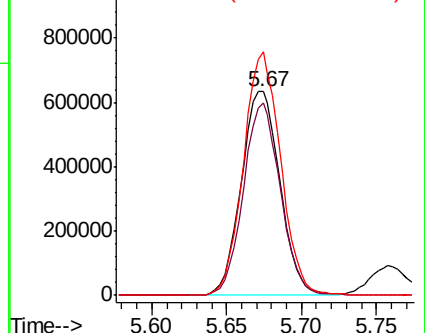
130 115.2 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.473 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL035657.D

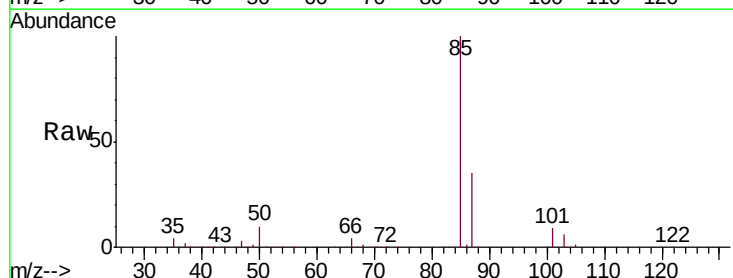
Acq: 17 Sep 2020 14:26

Tgt Ion: 85 Resp: 1677806

Ion Ratio Lower Upper

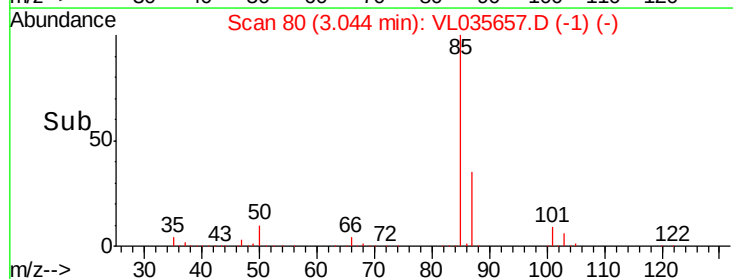
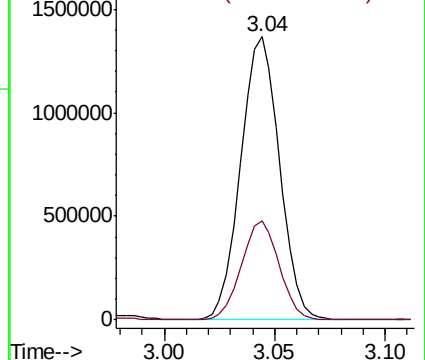
85 100

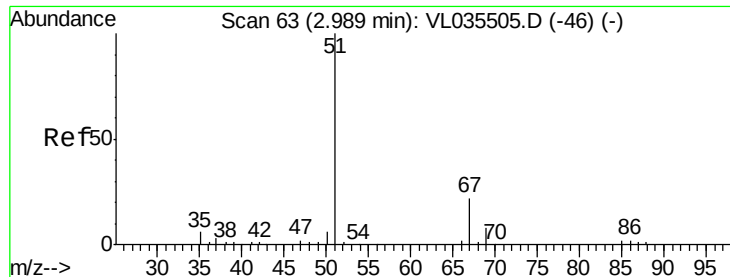
87 34.9 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.328 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

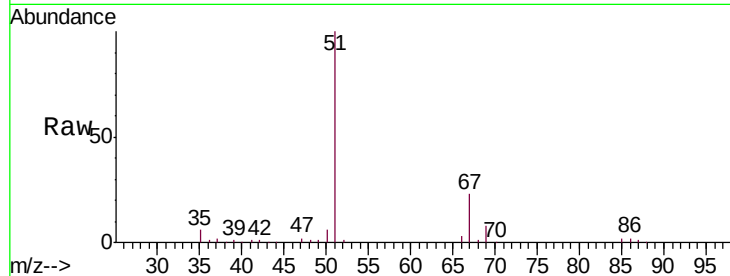
VL0917ABS01

Tgt Ion: 51 Resp: 1178827

Ion Ratio Lower Upper

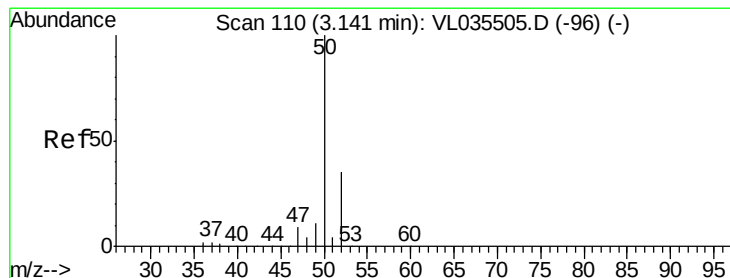
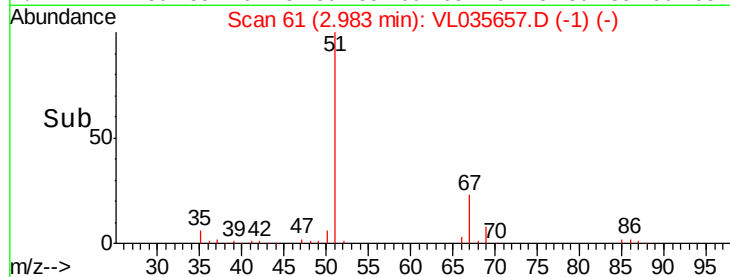
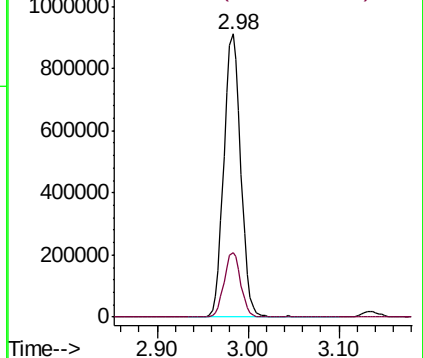
51 100

67 22.5 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.392 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL035657.D

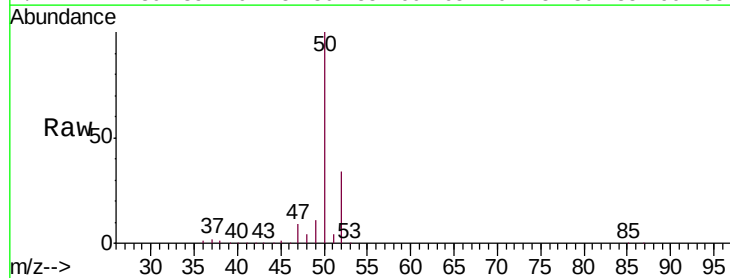
Acq: 17 Sep 2020 14:26

Tgt Ion: 50 Resp: 635864

Ion Ratio Lower Upper

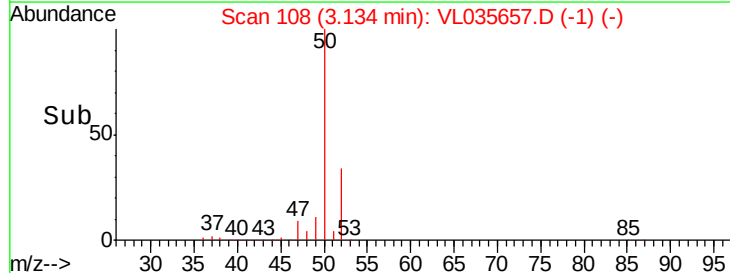
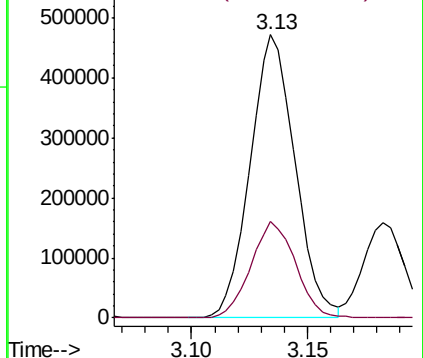
50 100

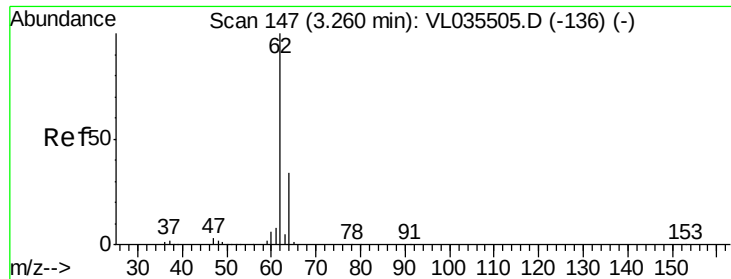
52 34.1 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.112 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

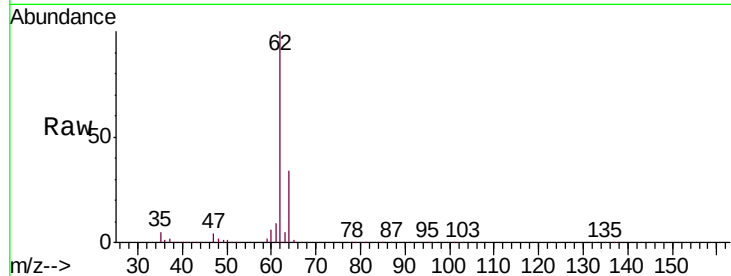
VL0917ABS01

Tgt Ion: 62 Resp: 760617

Ion Ratio Lower Upper

62 100

64 34.1 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

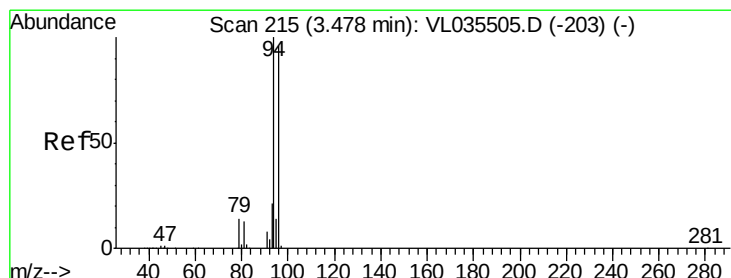
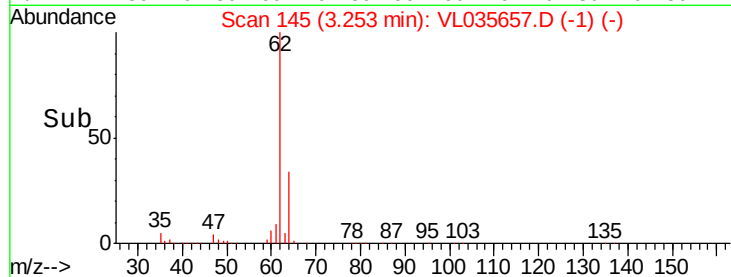
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.407 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL035657.D

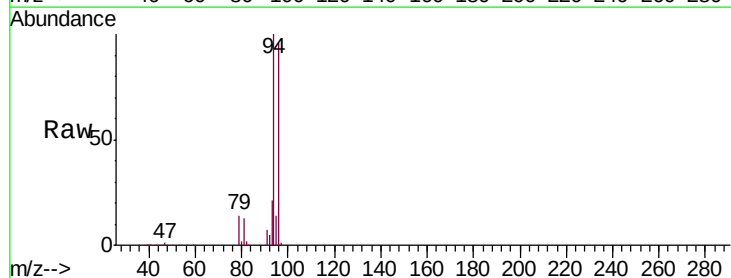
Acq: 17 Sep 2020 14:26

Tgt Ion: 94 Resp: 659562

Ion Ratio Lower Upper

94 100

96 95.5 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

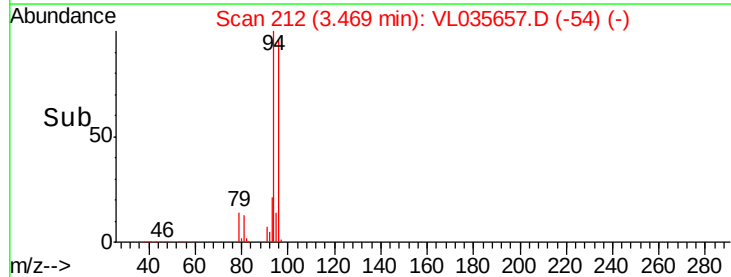
300000

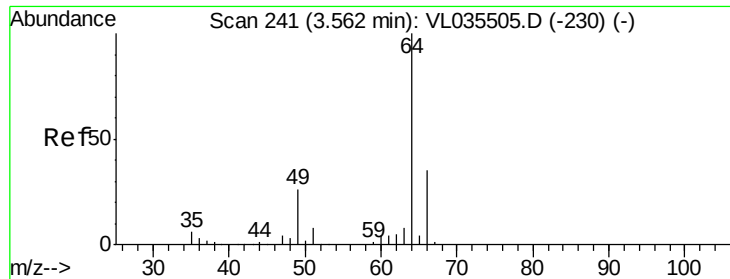
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.740 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

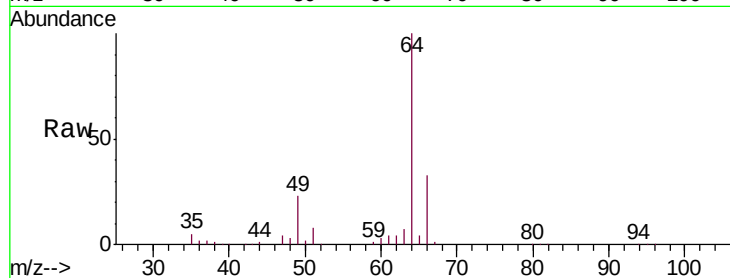
VL0917ABS01

Tgt Ion: 64 Resp: 287458

Ion Ratio Lower Upper

64 100

66 32.7 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

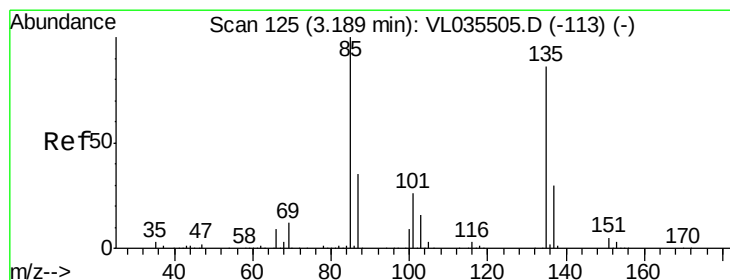
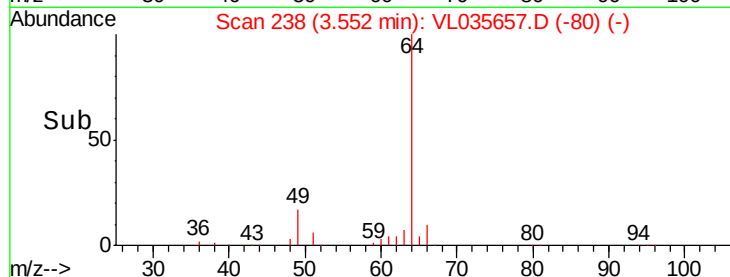
50000

0

3.55

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.092 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL035657.D

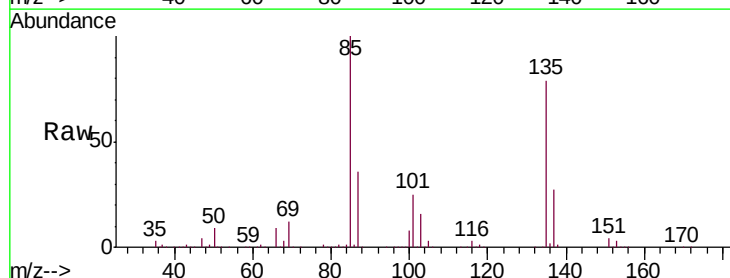
Acq: 17 Sep 2020 14:26

Tgt Ion: 85 Resp: 2180415

Ion Ratio Lower Upper

85 100

135 81.7 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

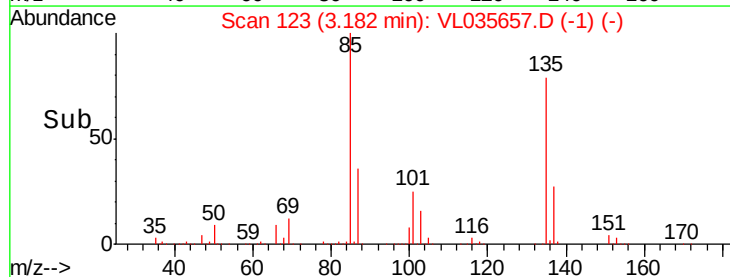
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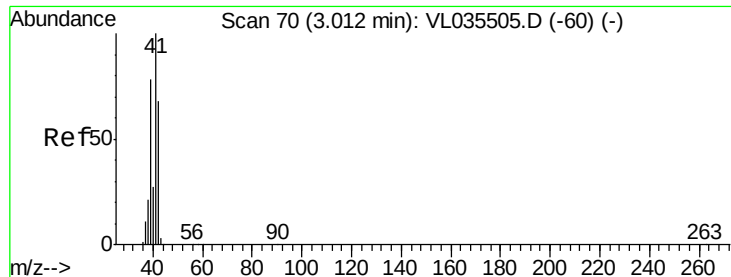
0

3.18

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 9.230 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

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ClientSampleId :

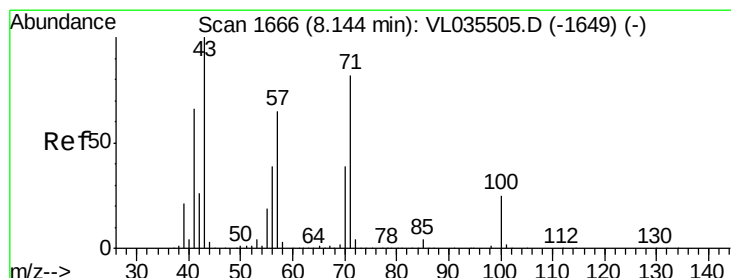
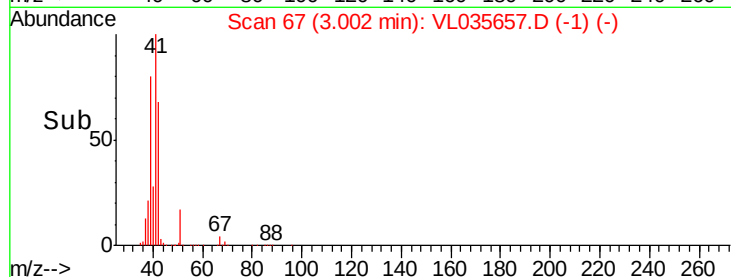
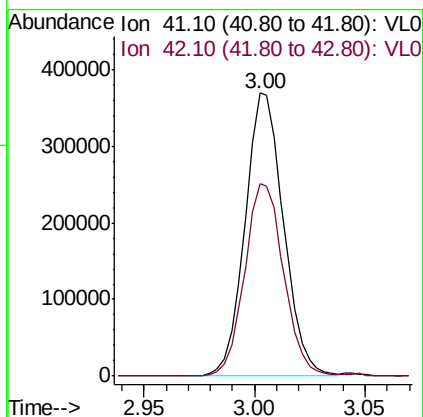
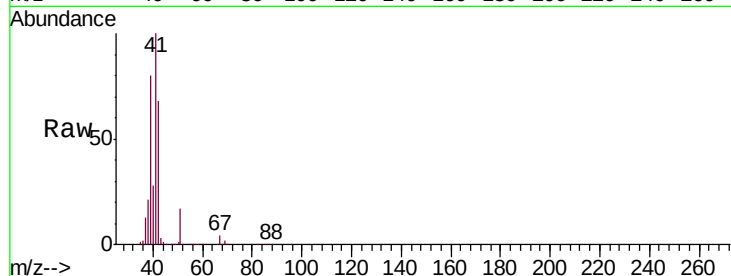
VL0917ABS01

Tgt Ion: 41 Resp: 449661

Ion Ratio Lower Upper

41 100

42 69.6 56.3 84.5



#10

Heptane

Concen: 9.930 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL035657.D

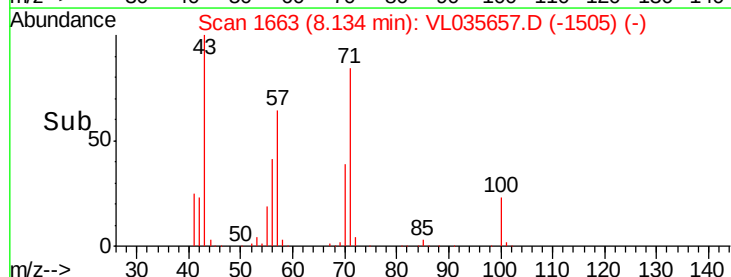
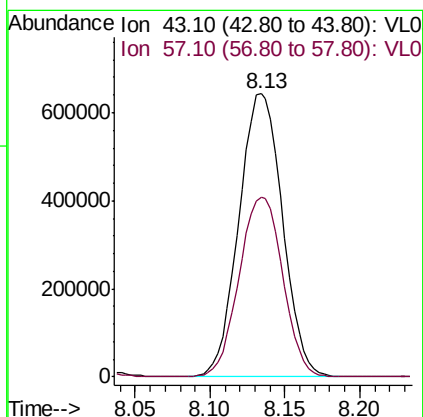
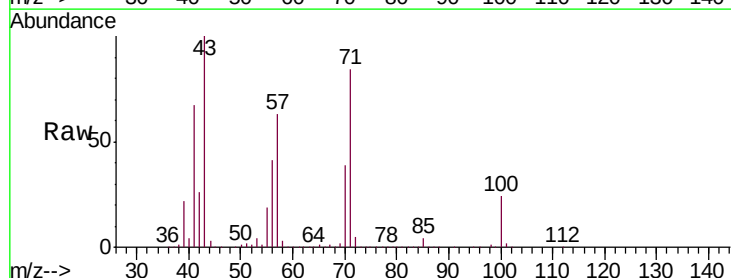
Acq: 17 Sep 2020 14:26

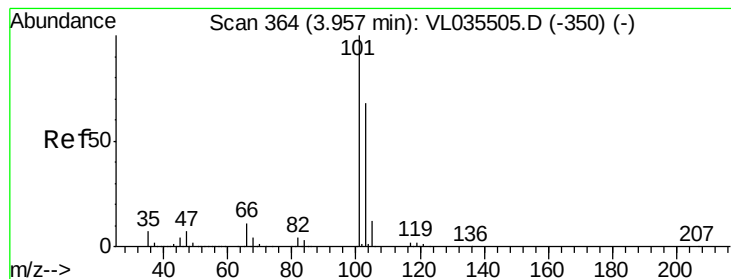
Tgt Ion: 43 Resp: 1299434

Ion Ratio Lower Upper

43 100

57 64.0 51.4 77.0





#11

Trichlorofluoromethane

Concen: 8.938 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

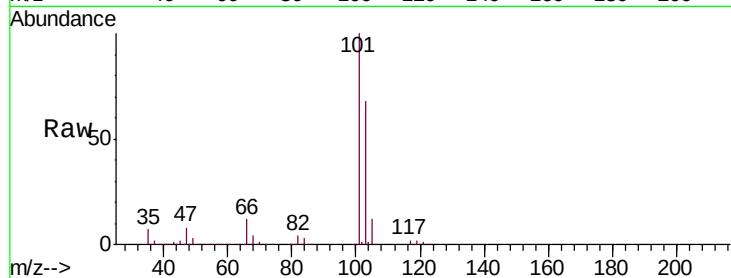
VL0917ABS01

Tgt Ion:101 Resp: 2580941

Ion Ratio Lower Upper

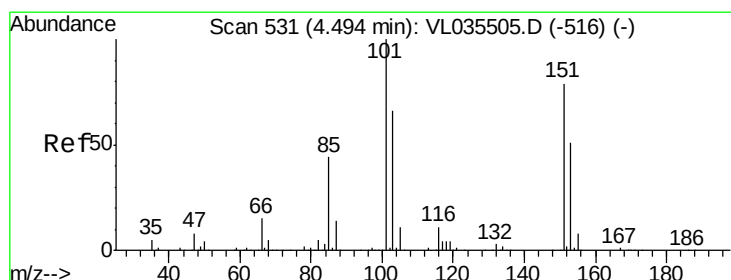
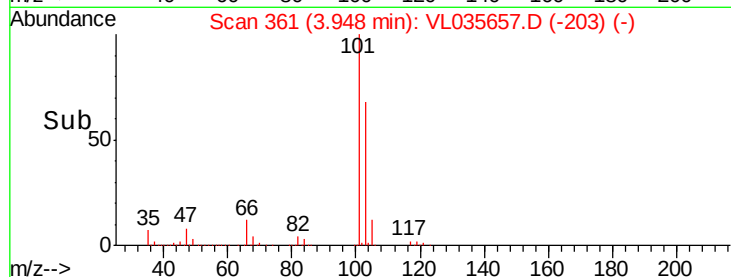
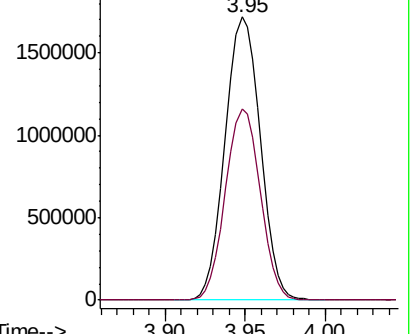
101 100

103 67.7 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

2000000 Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.009 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.01 min

Lab File: VL035657.D

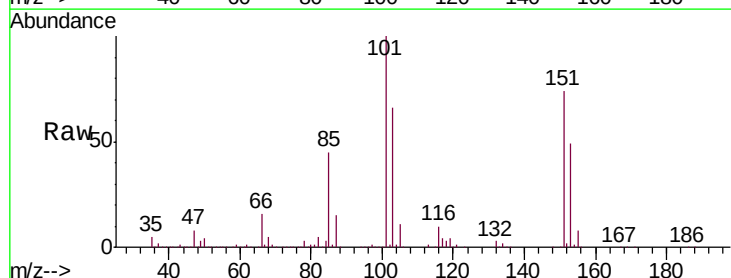
Acq: 17 Sep 2020 14:26

Tgt Ion:101 Resp: 1963628

Ion Ratio Lower Upper

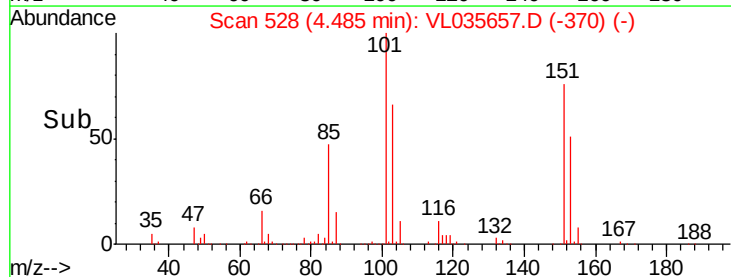
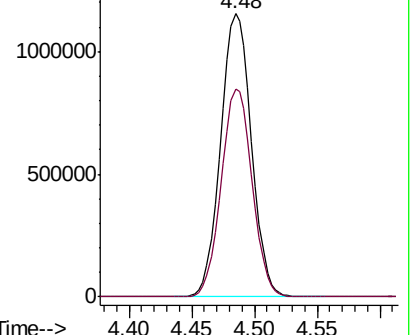
101 100

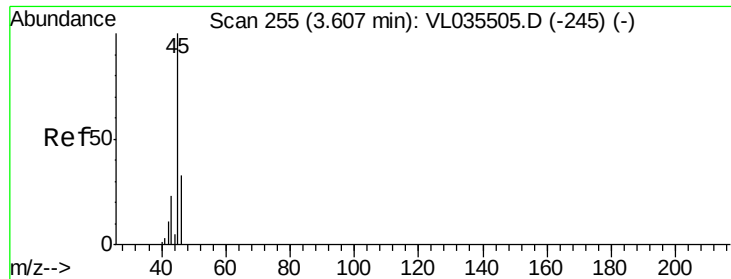
151 74.0 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

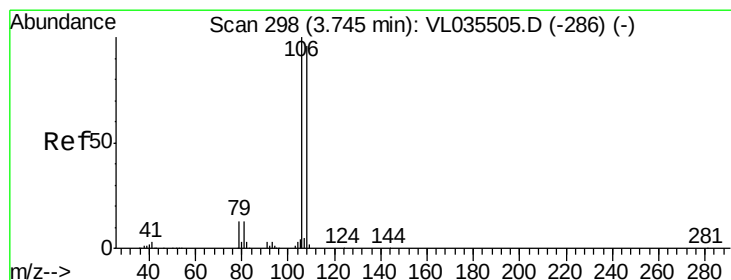
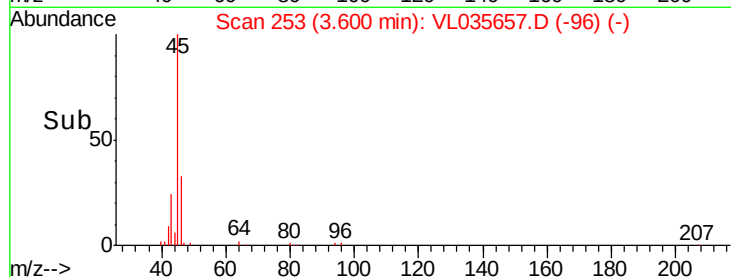
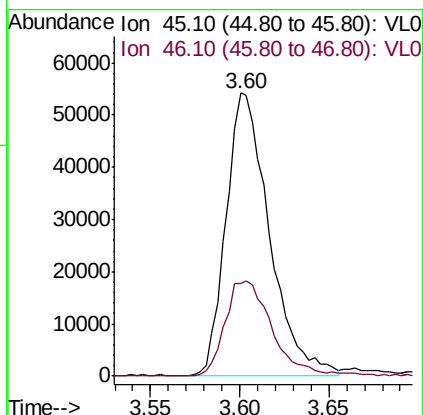
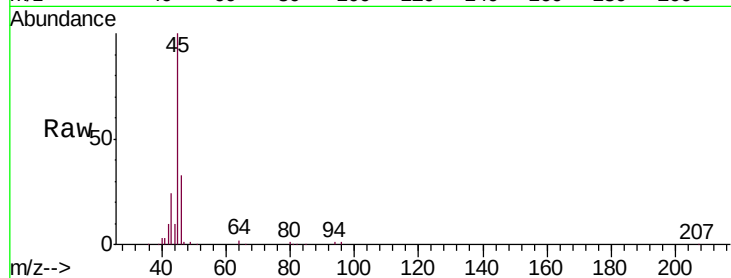




#13
Ethanol
Concen: 7.628 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

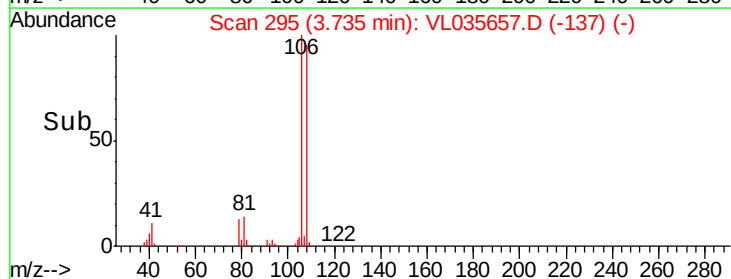
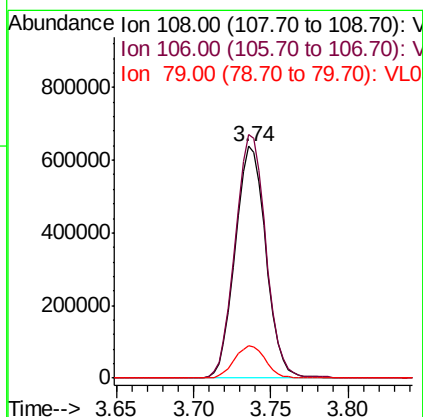
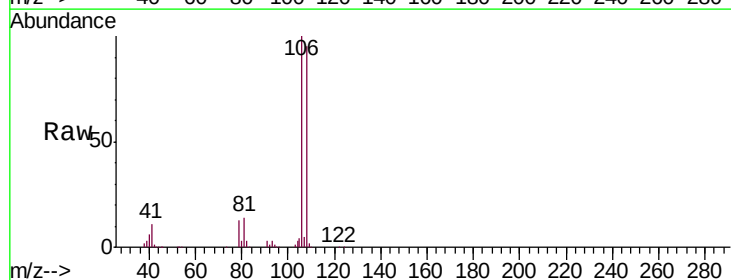
Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

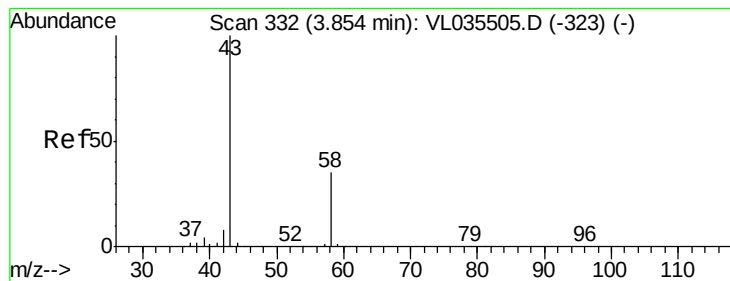
Tgt Ion: 45 Resp: 92138
Ion Ratio Lower Upper
45 100
46 36.5 15.2 60.6



#14
Bromoethene
Concen: 9.388 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 108 Resp: 880733
Ion Ratio Lower Upper
108 100
106 105.5 84.9 127.3
79 14.1 10.8 16.2





#15

Acetone

Concen: 8.103 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

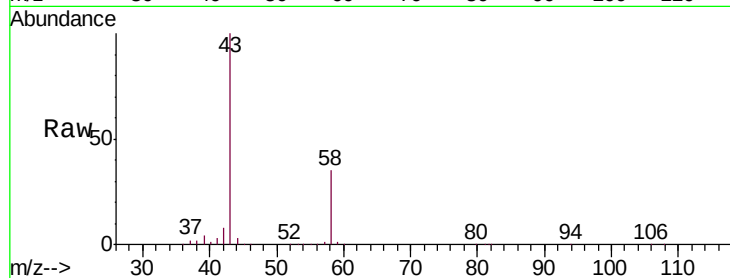
VL0917ABS01

Tgt Ion: 43 Resp: 1021162

Ion Ratio Lower Upper

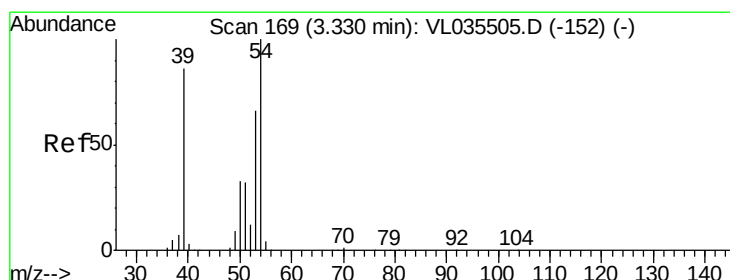
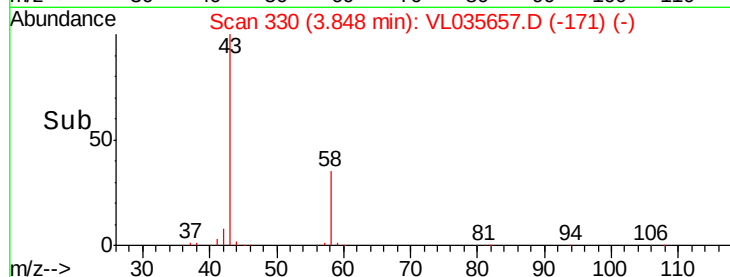
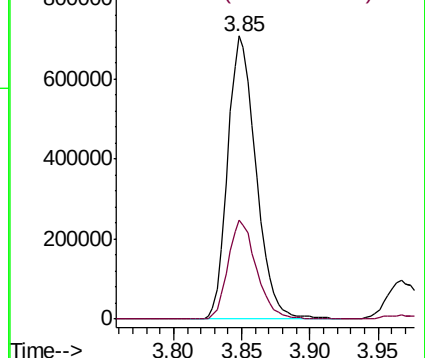
43 100

58 35.0 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.063 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.01 min

Lab File: VL035657.D

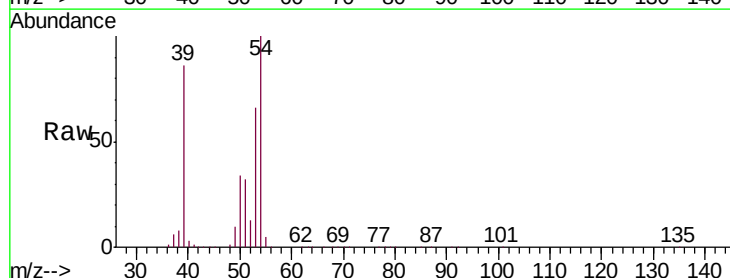
Acq: 17 Sep 2020 14:26

Tgt Ion: 39 Resp: 472065

Ion Ratio Lower Upper

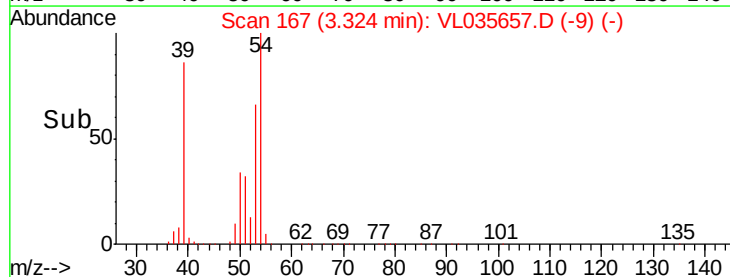
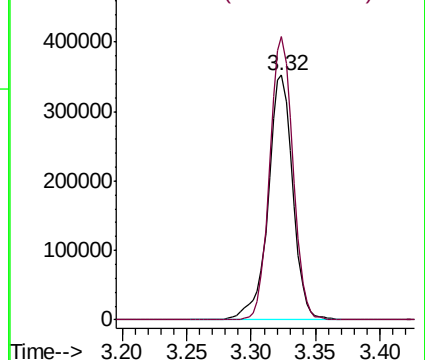
39 100

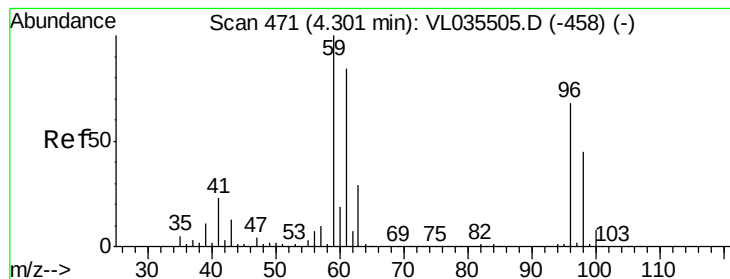
54 109.3 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 8.328 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

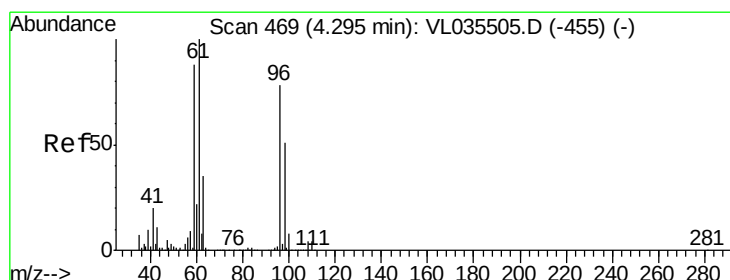
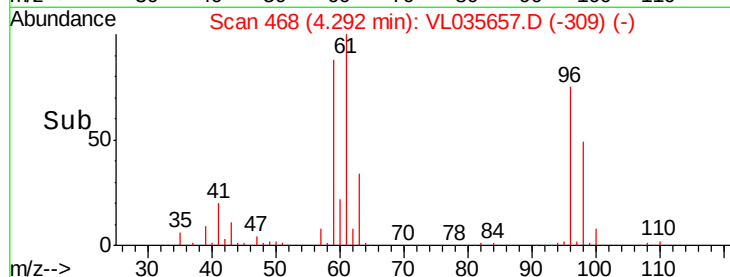
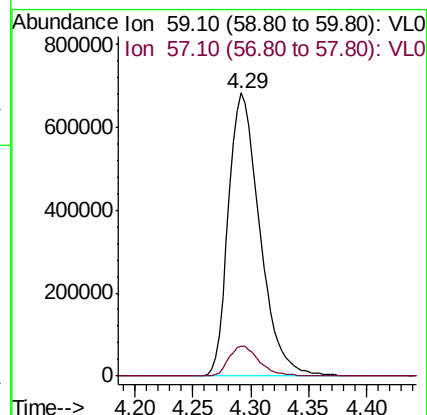
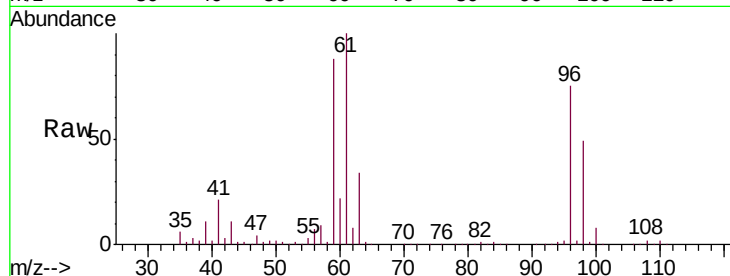
VL0917ABS01

Tgt Ion: 59 Resp: 1277480

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.455 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

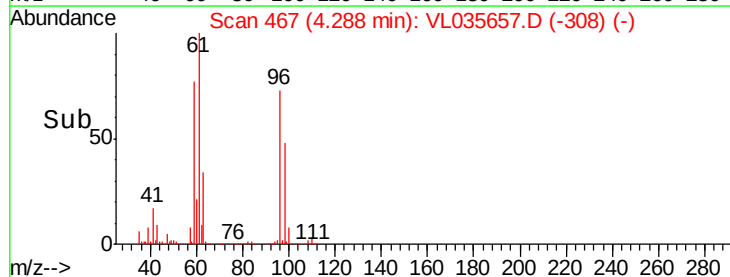
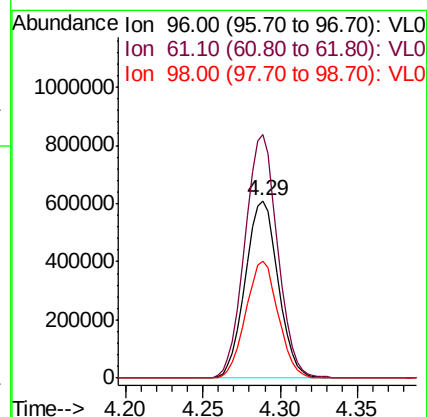
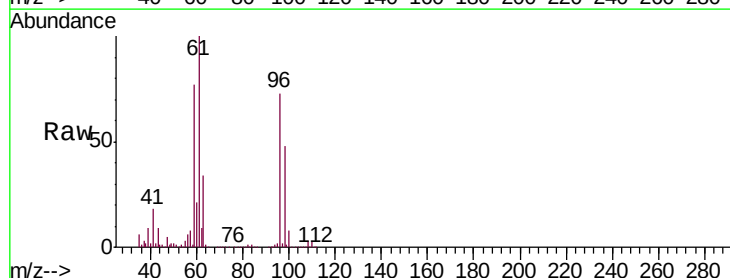
Tgt Ion: 96 Resp: 907483

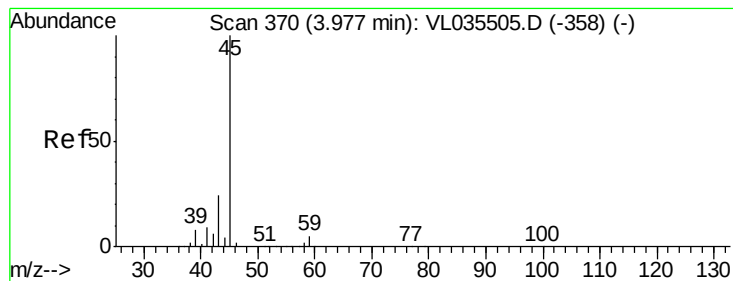
Ion Ratio Lower Upper

96 100

61 137.2 103.0 154.6

98 66.0 52.8 79.2





#19

Isopropyl Alcohol

Concen: 8.029 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

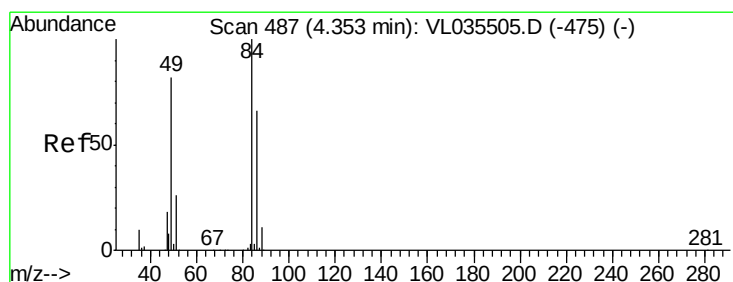
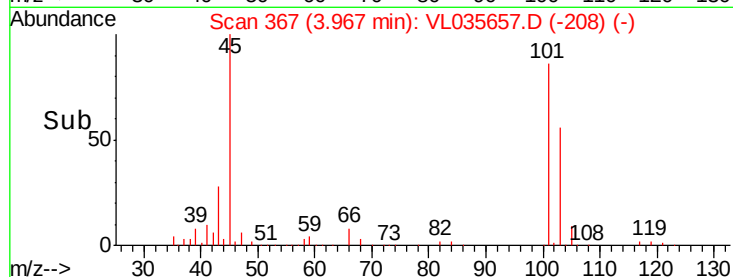
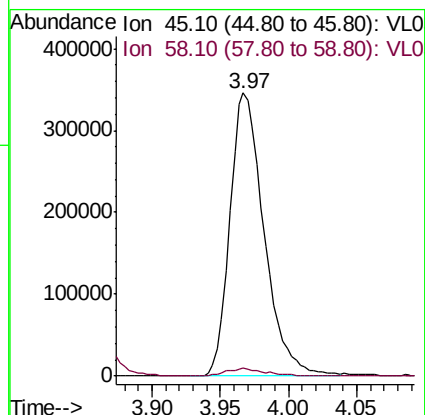
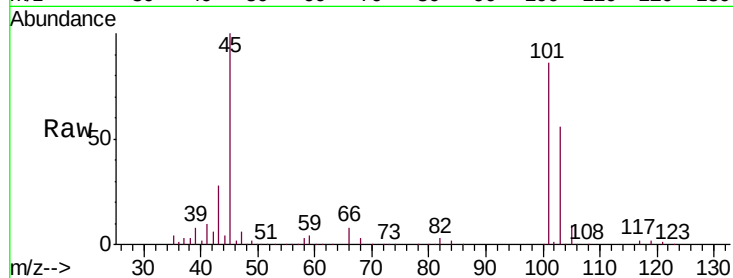
VL0917ABS01

Tgt Ion: 45 Resp: 603646

Ion Ratio Lower Upper

45 100

58 3.3 2.0 3.0#



#20

Methylene Chloride

Concen: 8.335 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Tgt Ion: 84 Resp: 782333

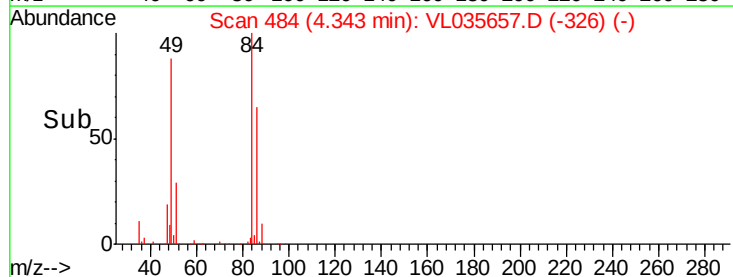
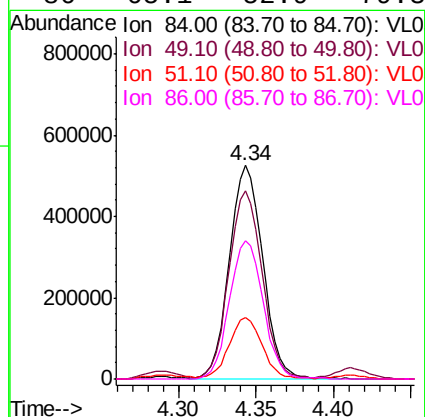
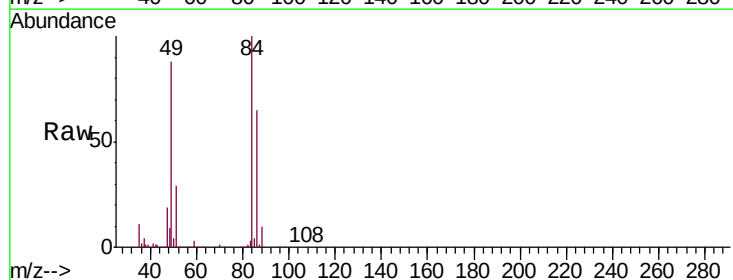
Ion Ratio Lower Upper

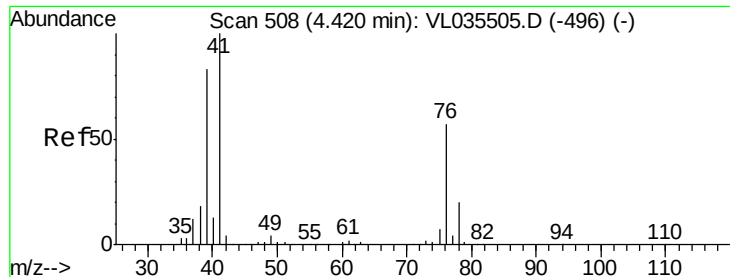
84 100

49 87.2 65.4 98.0

51 27.5 21.5 32.3

86 65.1 52.9 79.3





#21

Allyl Chloride

Concen: 10.671 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

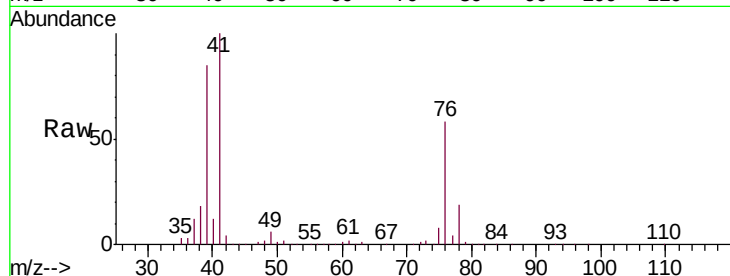
Tgt Ion: 41 Resp: 630053

Ion Ratio Lower Upper

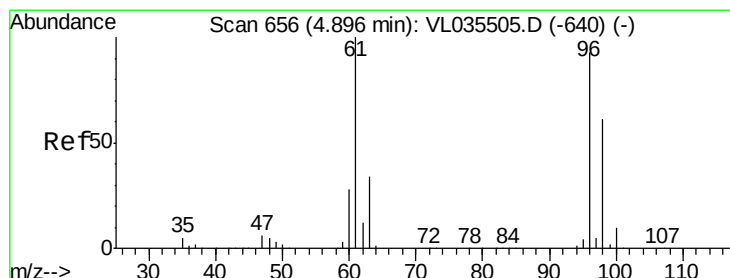
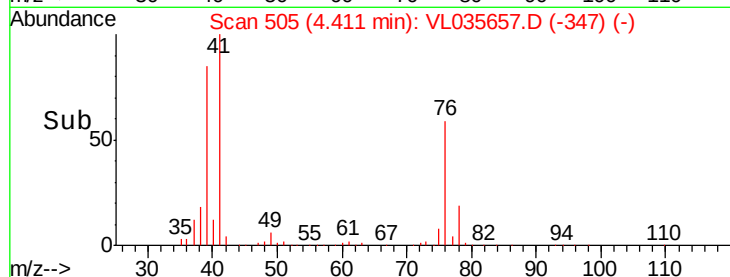
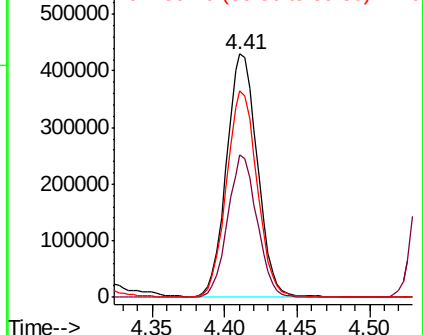
41 100

76 56.1 46.2 69.2

39 84.8 67.8 101.6



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: 9.416 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

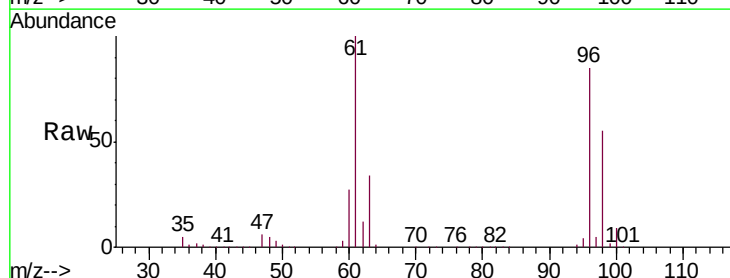
Tgt Ion: 96 Resp: 962133

Ion Ratio Lower Upper

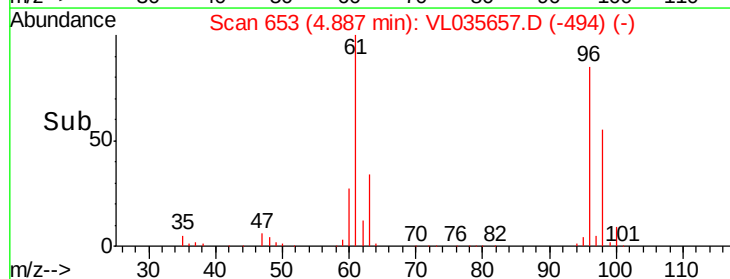
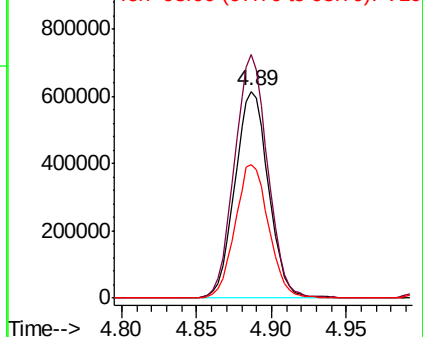
96 100

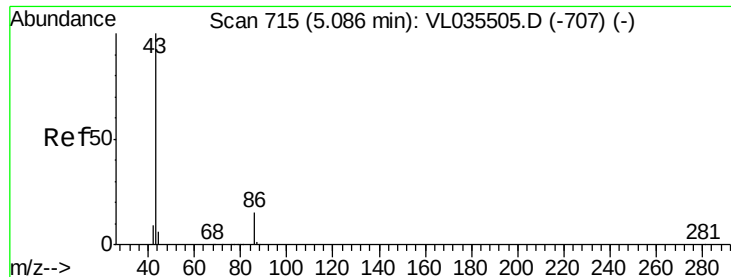
61 117.6 86.0 129.0

98 64.5 52.3 78.5



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



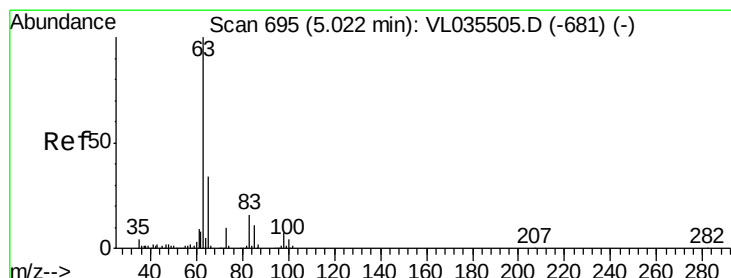
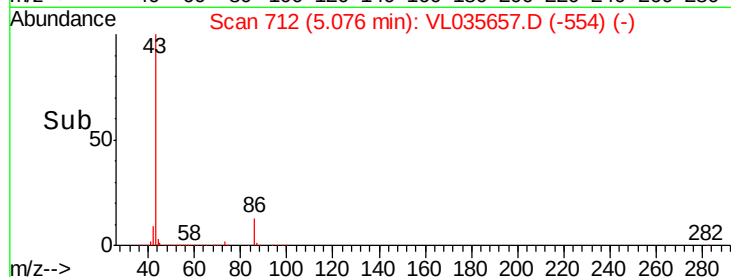
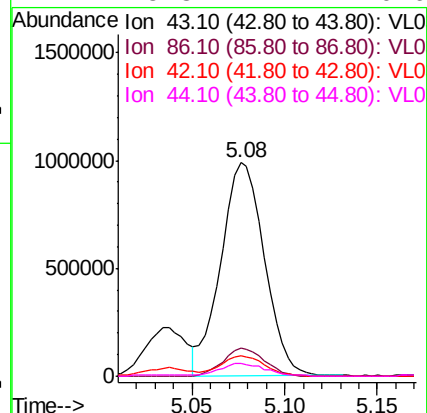
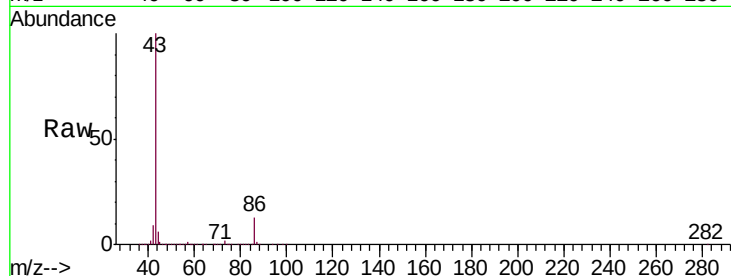


#23
 Vinyl Acetate
 Concen: 9.972 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Tgt Ion: 43 Resp: 1612926

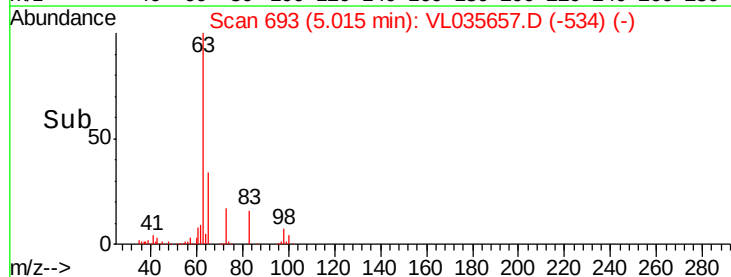
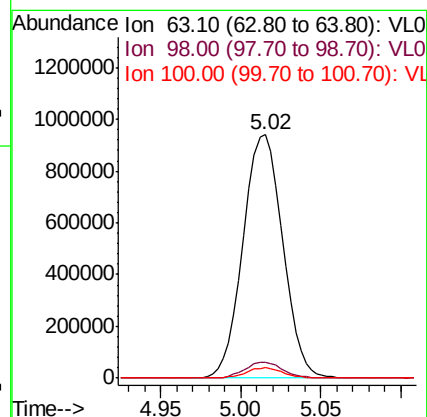
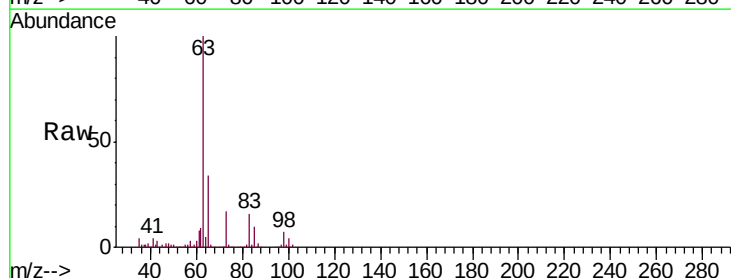
Ion	Ratio	Lower	Upper
43	100		
86	13.0	10.6	16.0
42	9.4	7.5	11.3
44	5.8	4.4	6.6

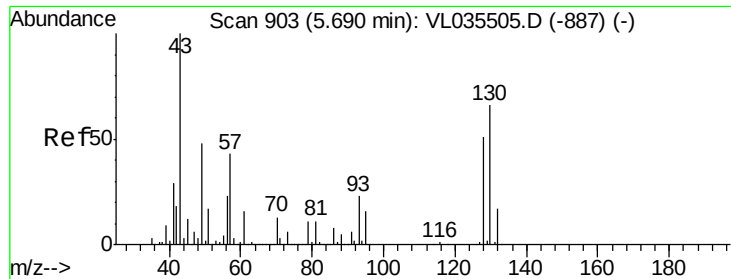


#24
 1,1-Dichloroethane
 Concen: 9.549 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion: 63 Resp: 1589443

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.3	2.1	6.5



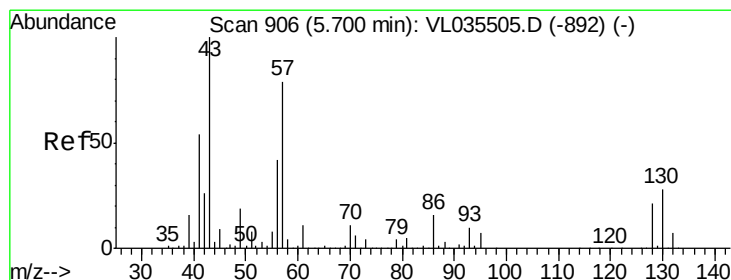
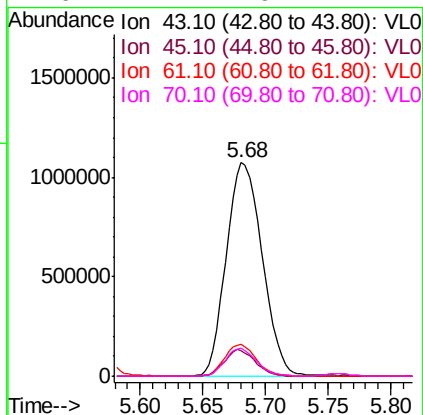
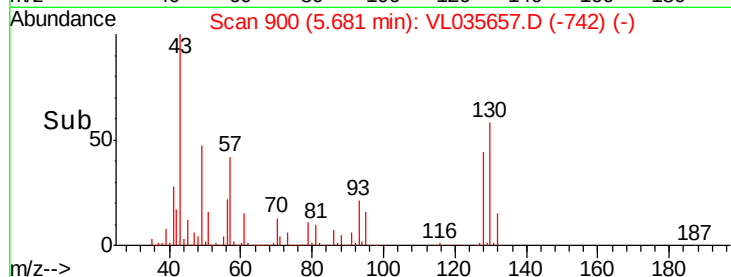
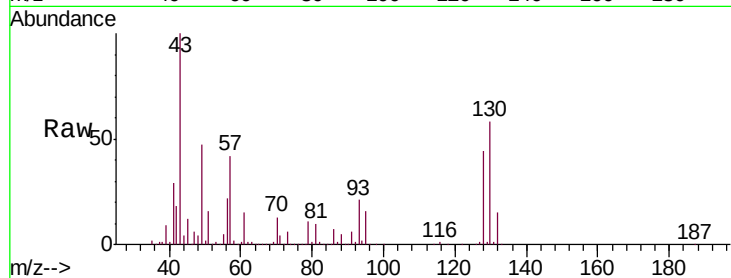


#25
Ethyl Acetate
Concen: 9.607 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 43 Resp: 2138907

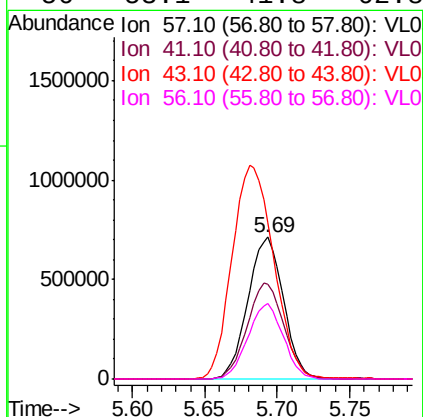
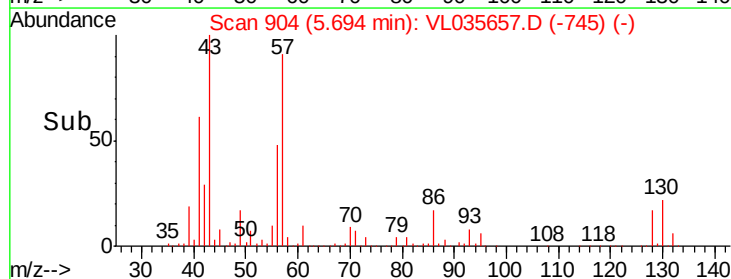
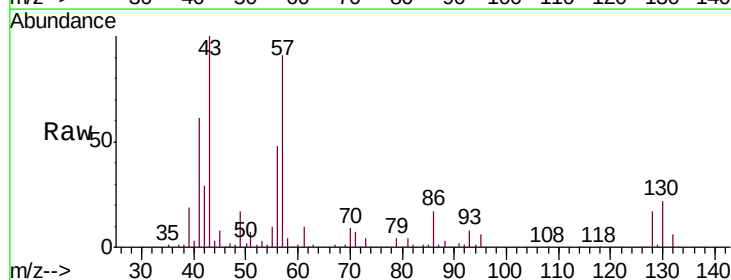
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.4	12.6
61	13.3	10.6	16.0
70	11.4	9.4	14.2

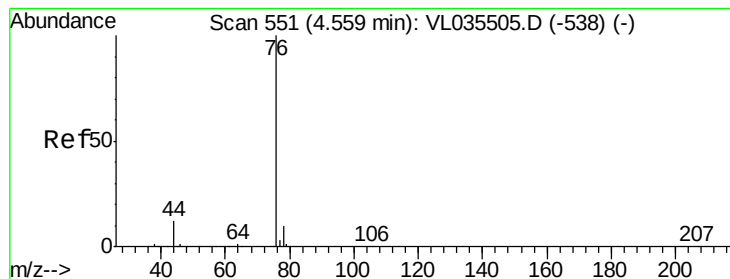


#26
Hexane
Concen: 9.657 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 57 Resp: 1218146

Ion	Ratio	Lower	Upper
57	100		
41	71.1	55.9	83.9
43	176.3	141.8	212.8
56	53.1	41.8	62.8





#27

Carbon Disulfide

Concen: 10.949 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

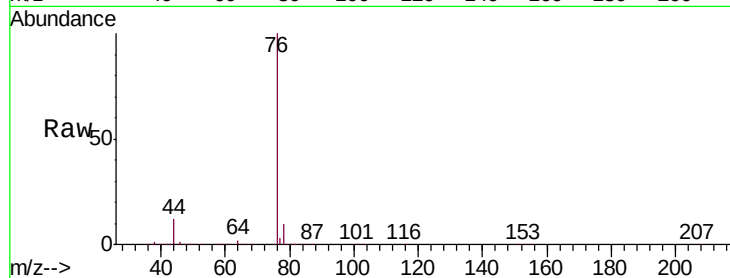
Tgt Ion: 76 Resp: 1981925

Ion Ratio Lower Upper

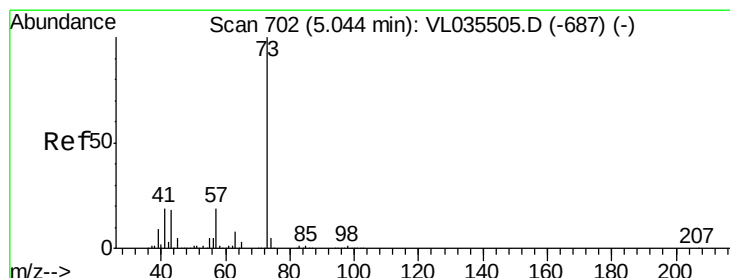
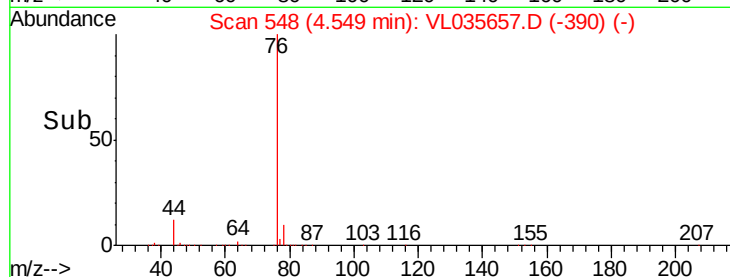
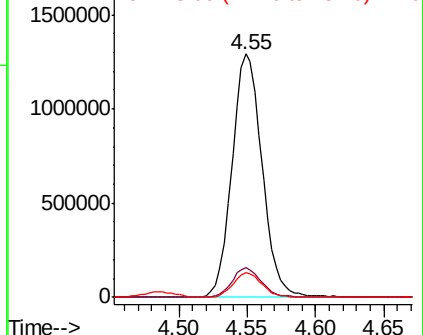
76 100

44 11.9 9.3 13.9

78 9.7 7.8 11.6



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



#28

Methyl tert-Butyl Ether

Concen: 9.660 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.01 min

Lab File: VL035657.D

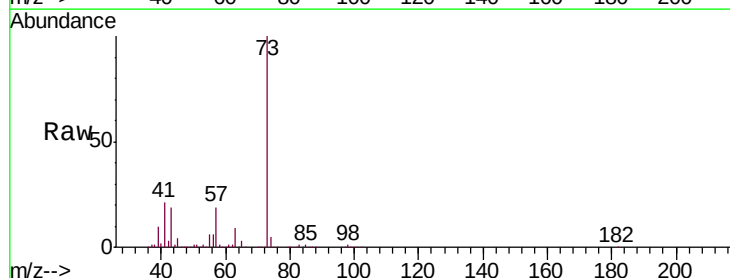
Acq: 17 Sep 2020 14:26

Tgt Ion: 73 Resp: 2123874

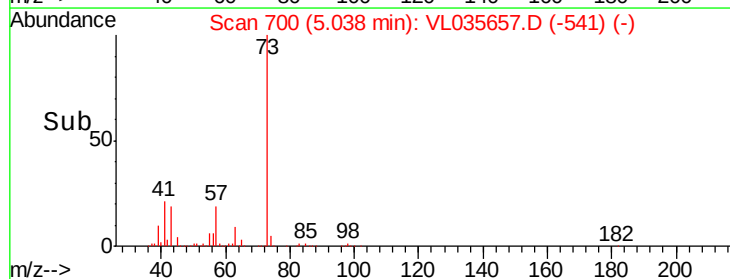
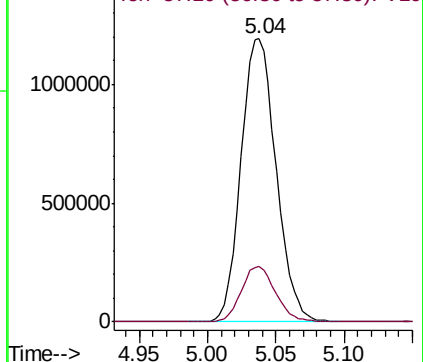
Ion Ratio Lower Upper

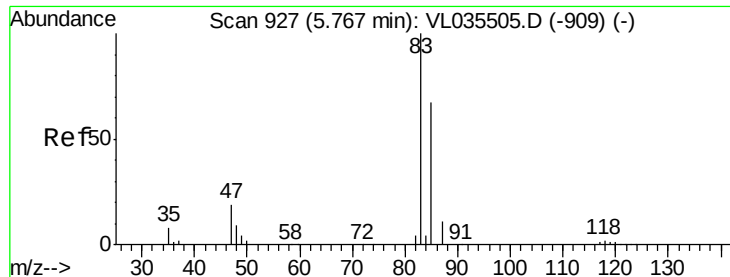
73 100

57 19.2 15.2 22.8



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

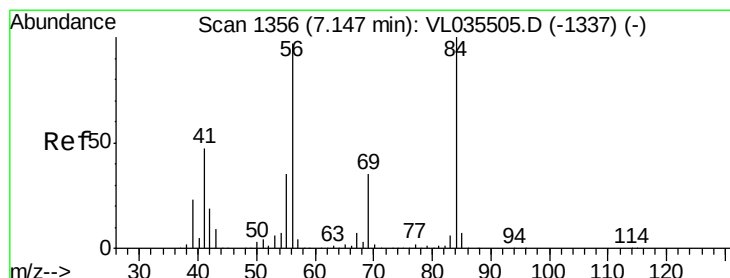
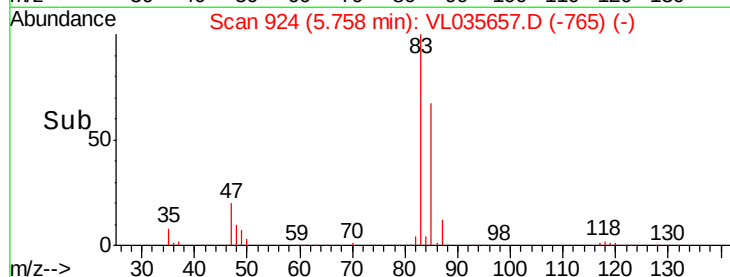
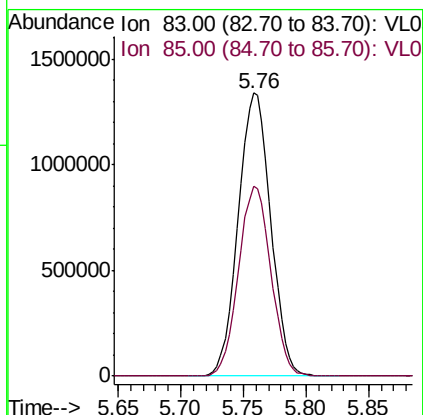
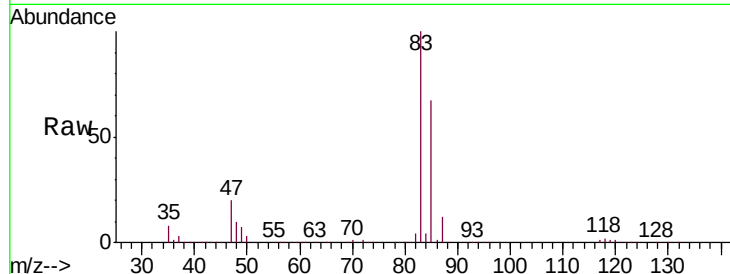




#29
Chloroform
Concen: 9.410 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

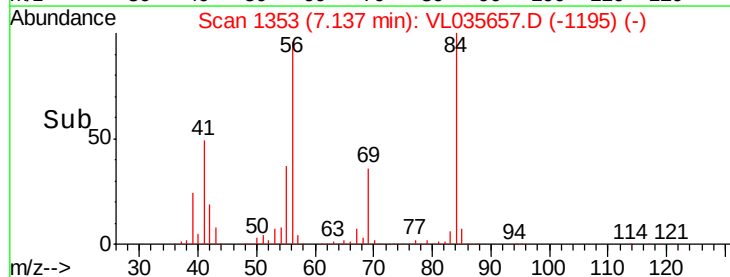
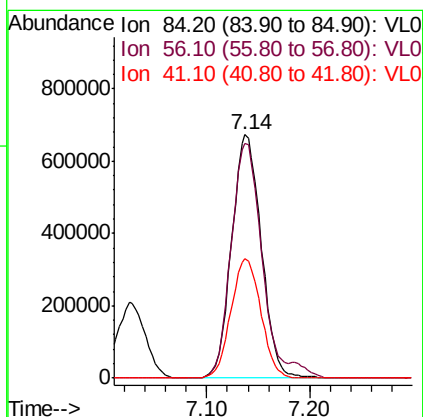
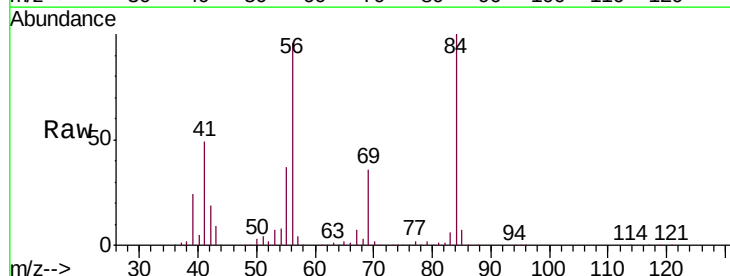
Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

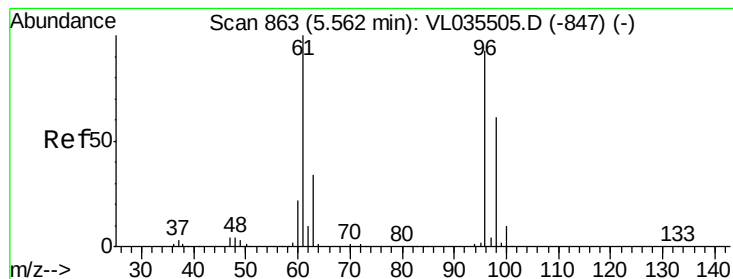
Tgt Ion: 83 Resp: 2418408
Ion Ratio Lower Upper
83 100
85 66.8 53.9 80.9



#30
Cyclohexane
Concen: 9.938 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 84 Resp: 1342975
Ion Ratio Lower Upper
84 100
56 102.6 80.1 120.1
41 49.5 38.1 57.1



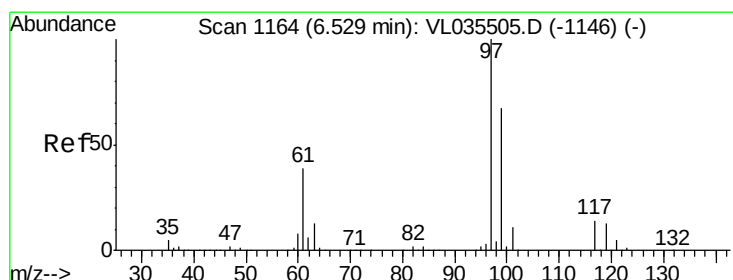
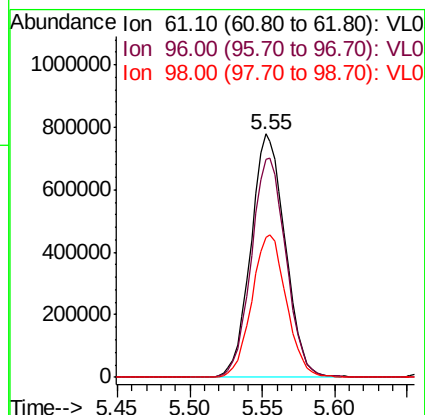
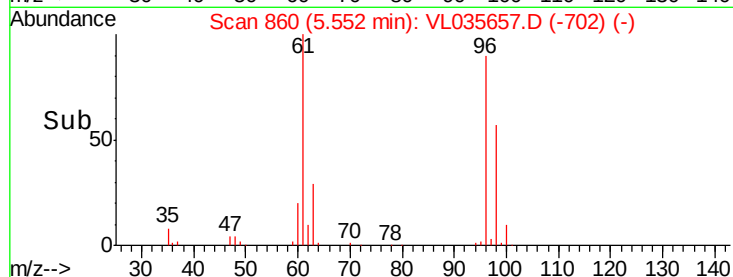
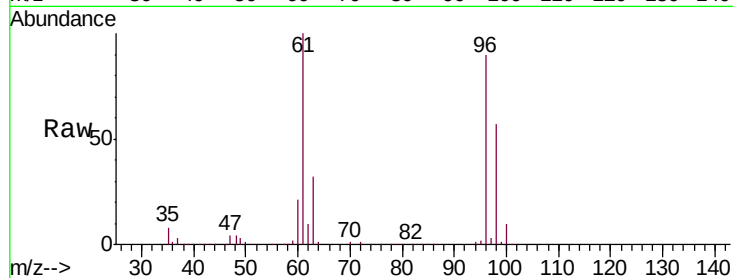


#31

cis-1,2-Dichloroethene
 Concen: 9.929 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

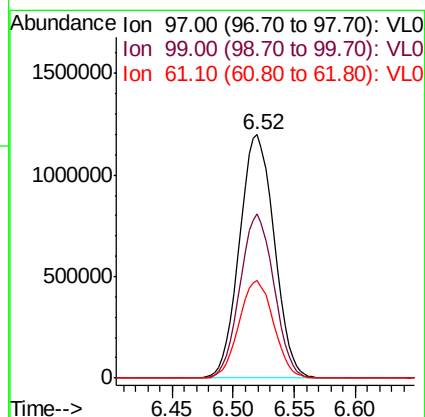
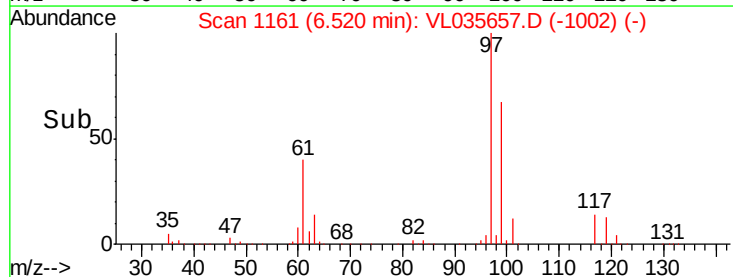
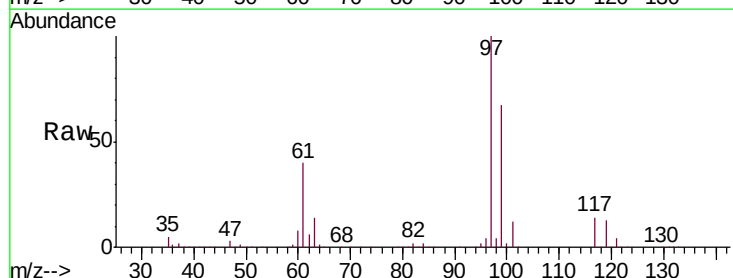
Tgt Ion: 61 Resp: 1284982
 Ion Ratio Lower Upper
 61 100
 96 89.5 74.4 111.6
 98 57.5 49.2 73.8

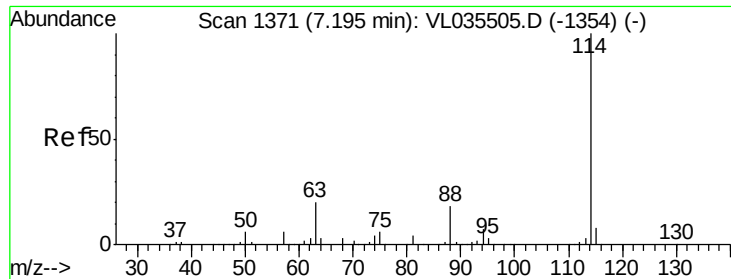


#32

1,1,1-Trichloroethane
 Concen: 9.471 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion: 97 Resp: 2361531
 Ion Ratio Lower Upper
 97 100
 99 66.0 53.3 79.9
 61 40.1 30.6 46.0

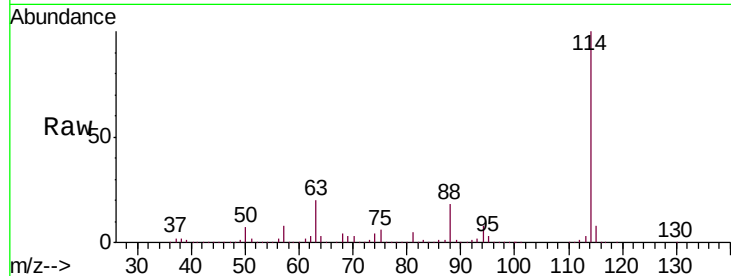




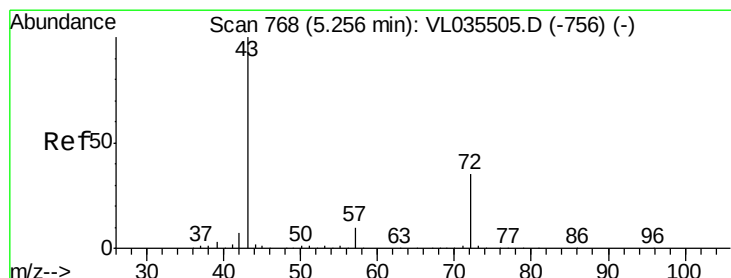
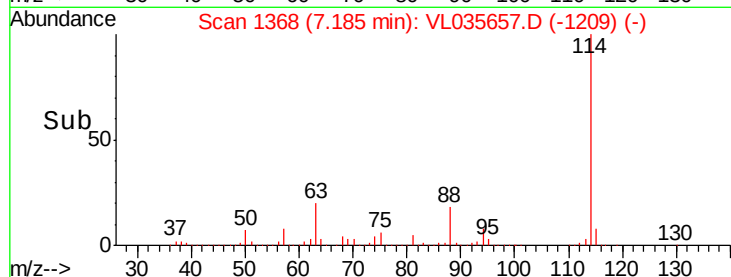
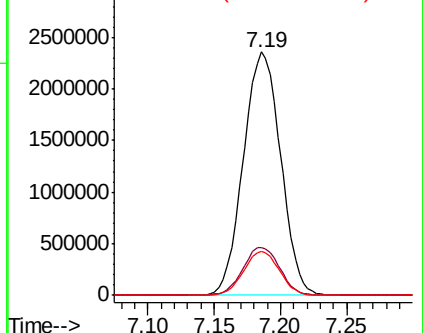
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Tgt Ion: 114 Resp: 4613146
 Ion Ratio Lower Upper
 114 100
 63 19.6 14.7 22.1
 88 17.3 13.4 20.2

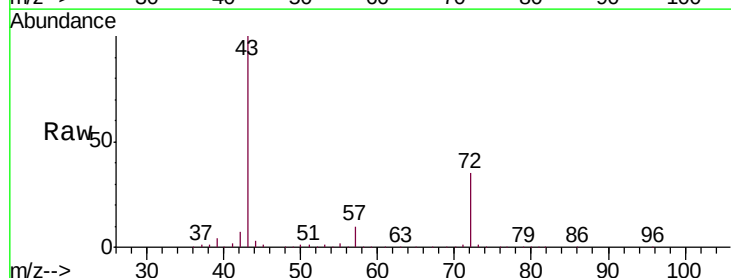


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

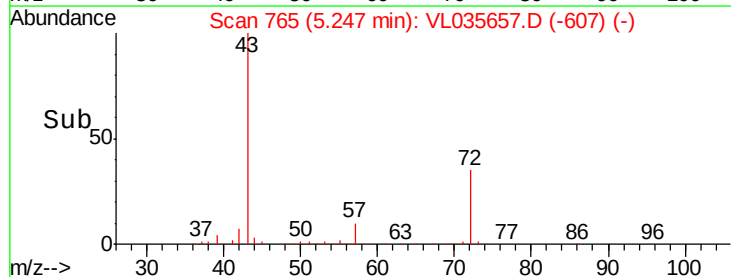
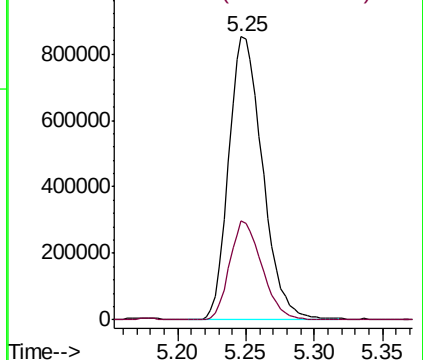


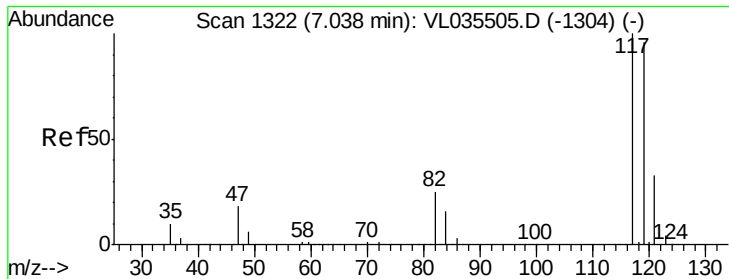
#34
 2-Butanone
 Concen: 10.738 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion: 43 Resp: 1470119
 Ion Ratio Lower Upper
 43 100
 72 33.8 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.587 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

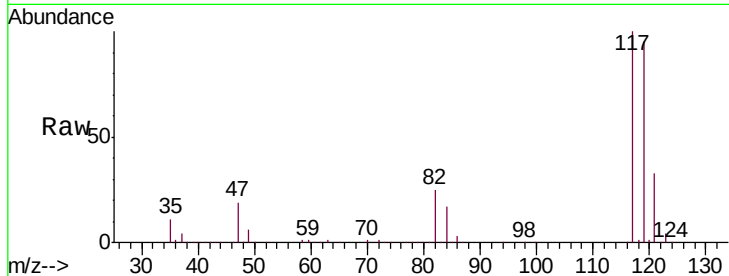
Tgt Ion:117 Resp: 2454718

Ion Ratio Lower Upper

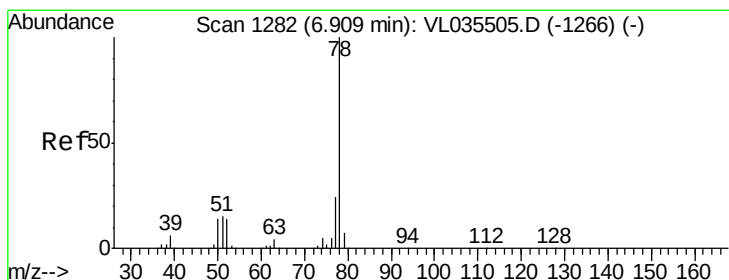
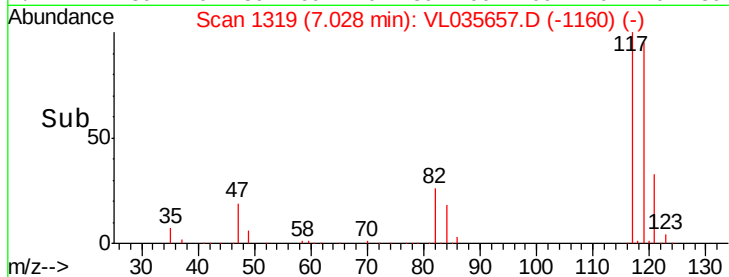
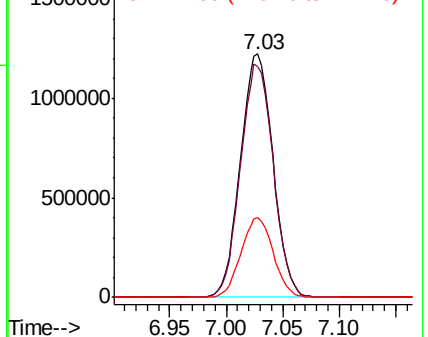
117 100

119 95.0 77.2 115.8

121 32.8 26.1 39.1



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: 10.329 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

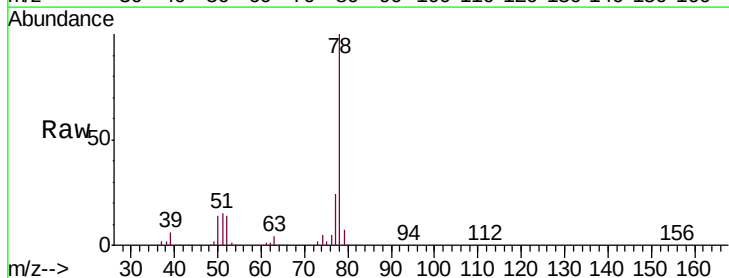
Tgt Ion: 78 Resp: 3084420

Ion Ratio Lower Upper

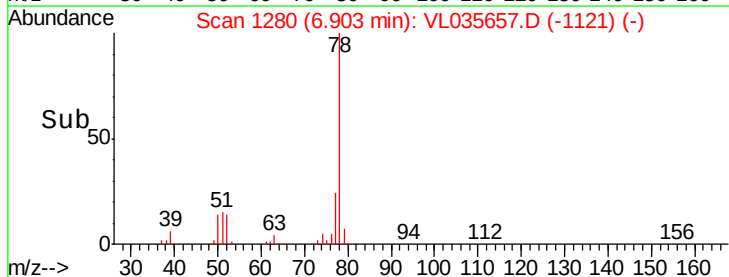
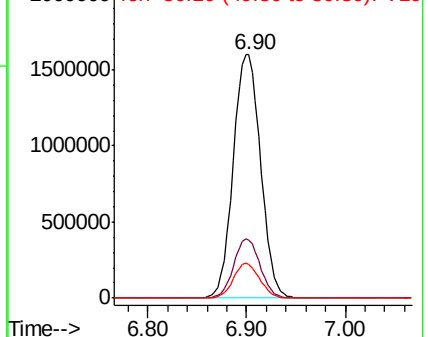
78 100

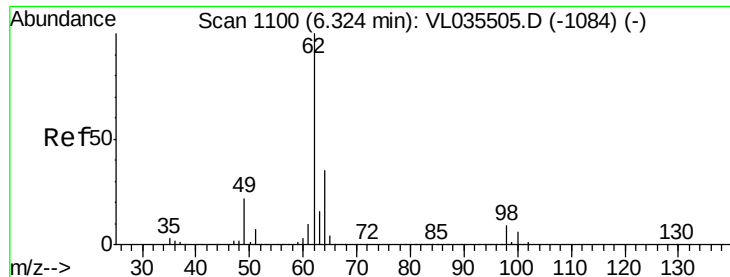
77 23.7 19.3 28.9

50 14.1 11.0 16.6



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

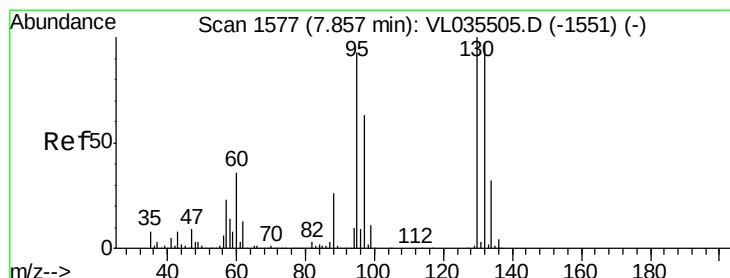
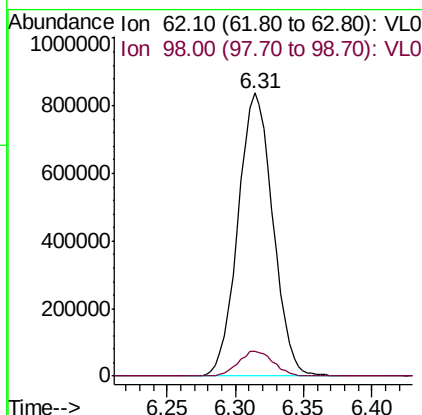
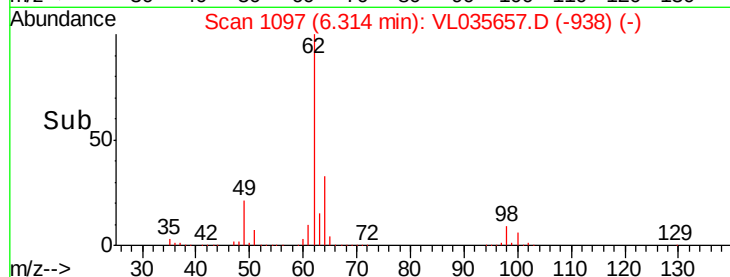
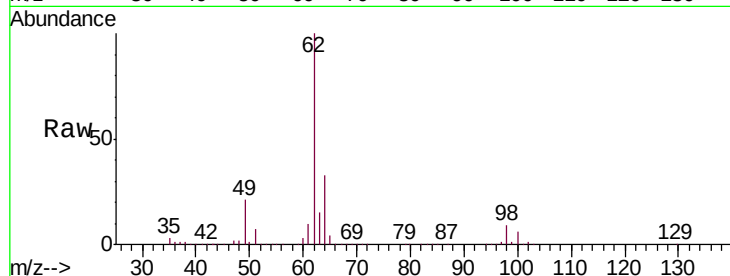




#37
 1,2-Dichloroethane
 Concen: 10.455 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

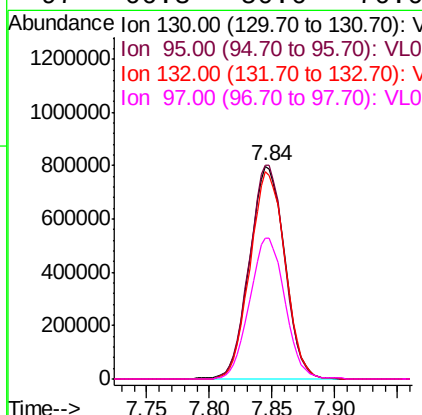
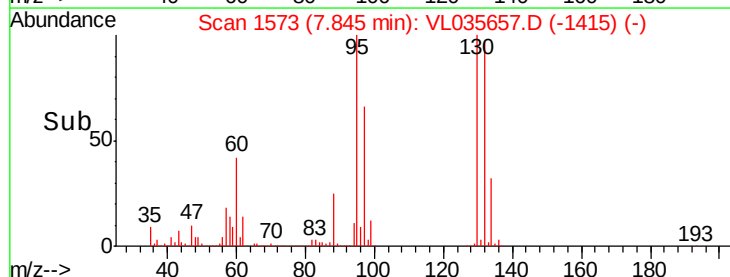
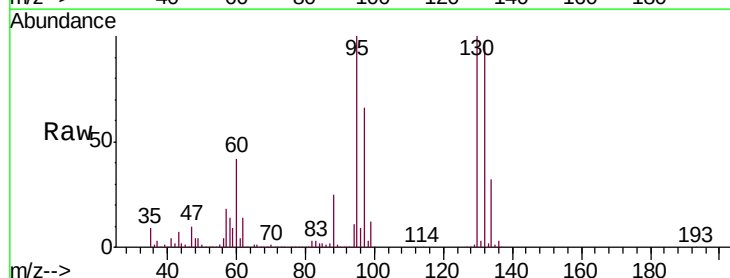
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

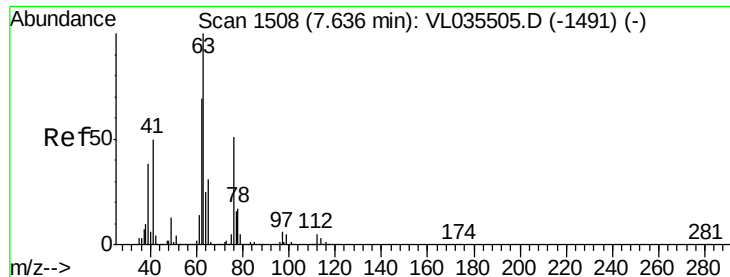
Tgt Ion: 62 Resp: 1488479
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.4 11.0



#38
 Trichloroethene
 Concen: 8.967 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion: 130 Resp: 1555391
 Ion Ratio Lower Upper
 130 100
 95 100.5 74.6 112.0
 132 97.9 77.6 116.4
 97 66.3 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.400 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

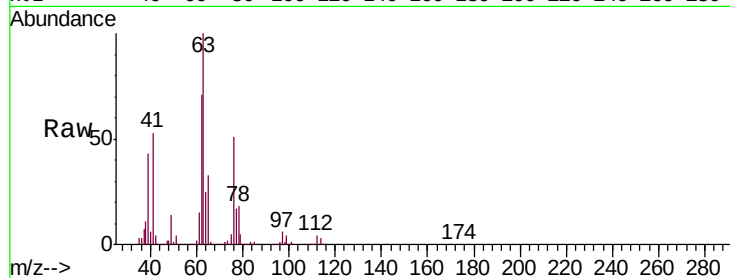
Tgt Ion: 63 Resp: 1049088

Ion Ratio Lower Upper

63 100

41 53.0 40.0 60.0

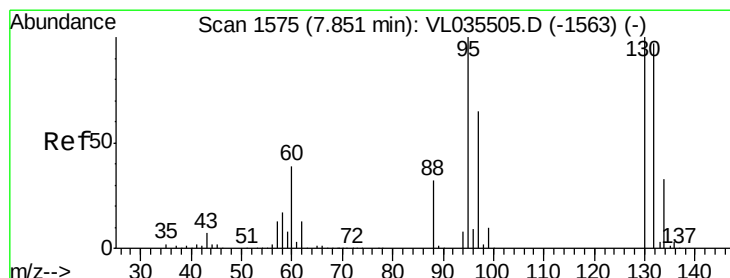
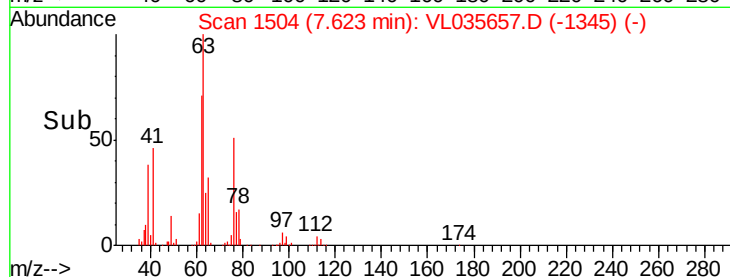
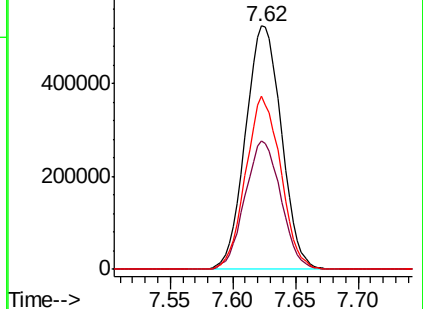
62 71.3 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.408 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Tgt Ion: 88 Resp: 474089

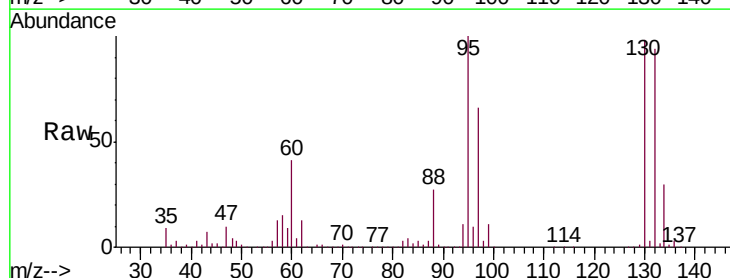
Ion Ratio Lower Upper

88 100

58 96.2 68.7 103.1

43 156.8 104.3 156.5#

57 855.6 560.7 841.1#

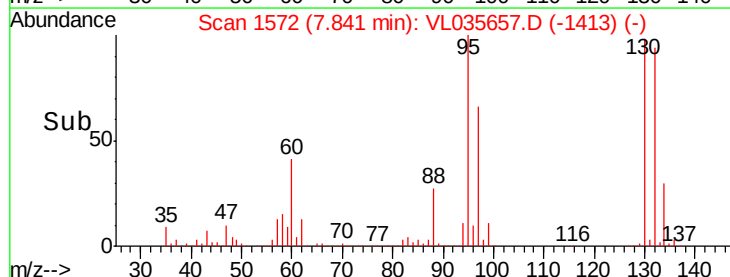
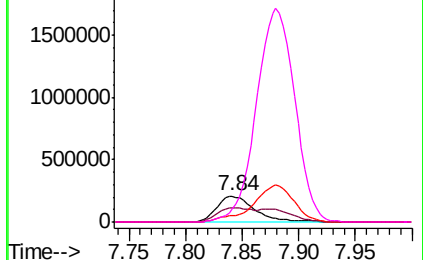


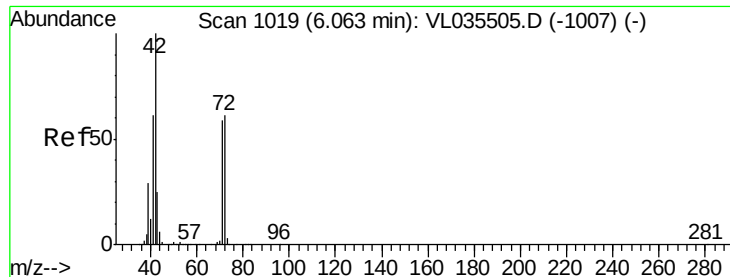
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.407 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

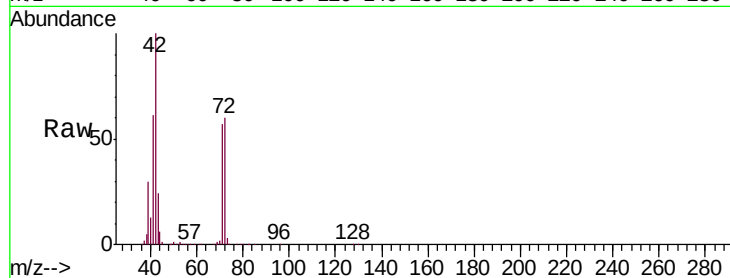
Tgt Ion: 42 Resp: 828136

Ion Ratio Lower Upper

42 100

72 59.9 48.6 73.0

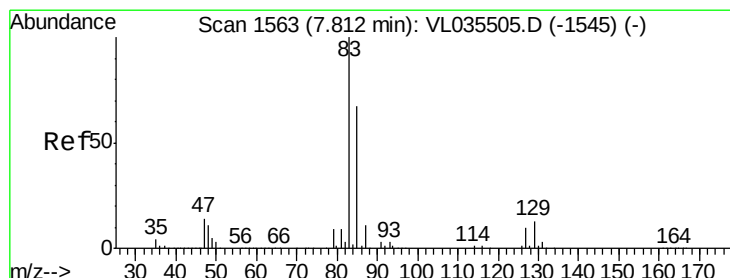
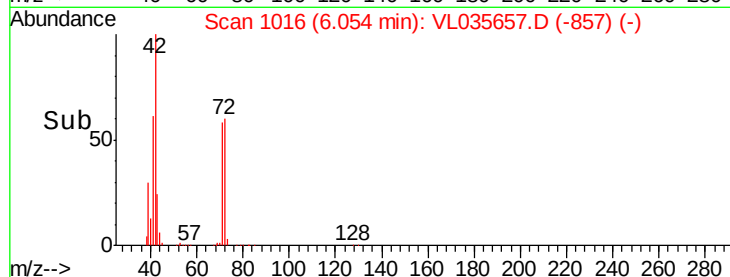
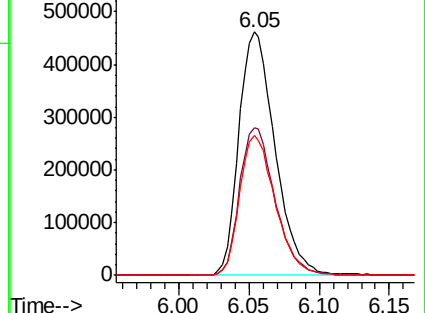
71 56.9 46.1 69.1



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: 11.015 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

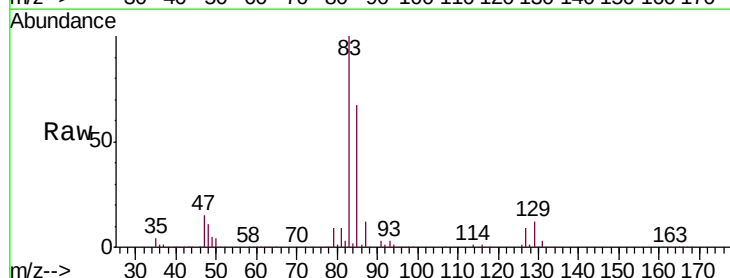
Tgt Ion: 83 Resp: 2535980

Ion Ratio Lower Upper

83 100

85 66.6 53.7 80.5

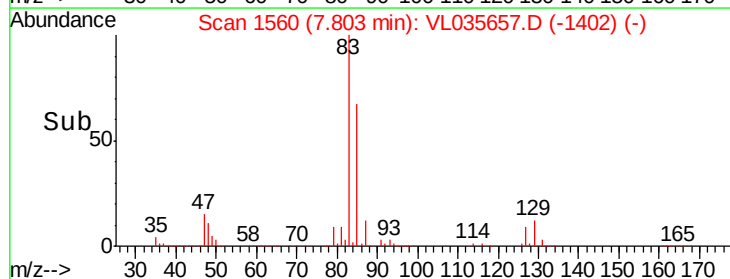
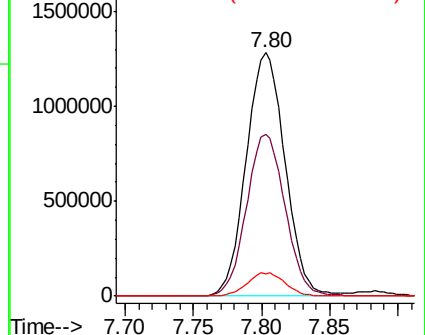
127 9.4 8.1 12.1

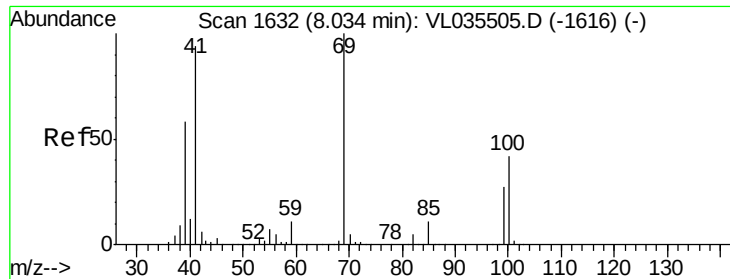


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

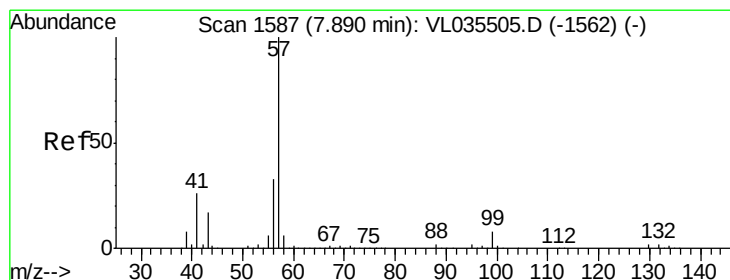
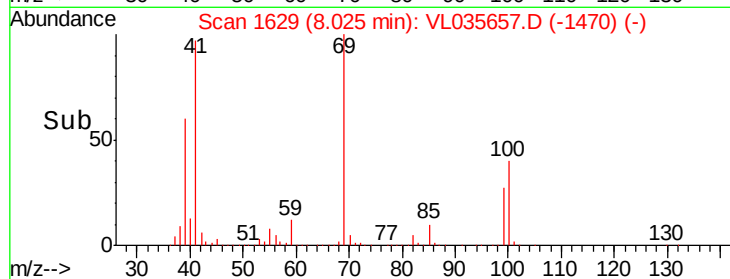
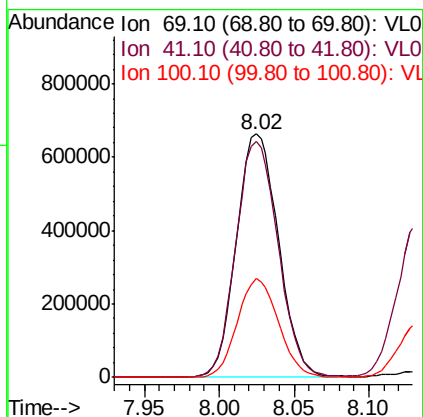
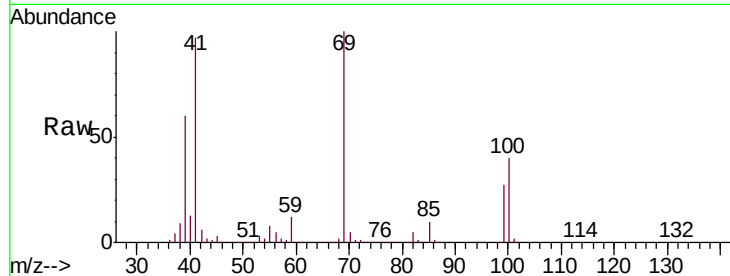




#43
Methyl Methacrylate
Concen: 11.257 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

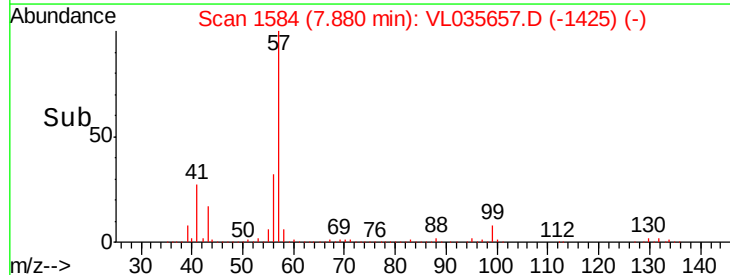
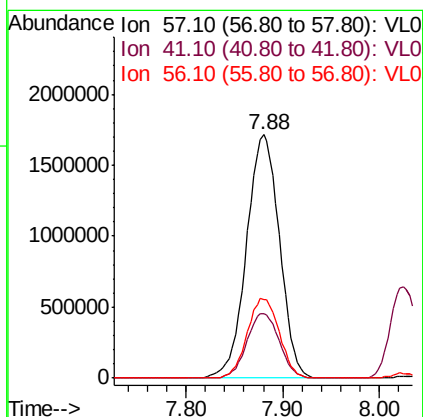
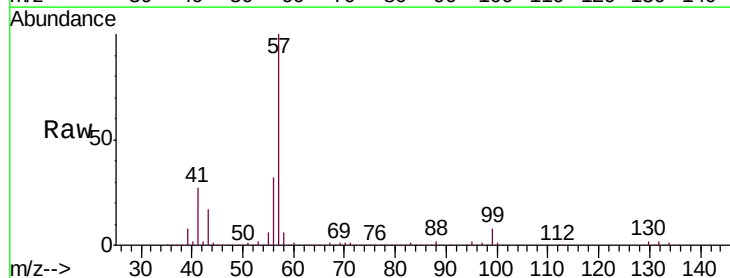
Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

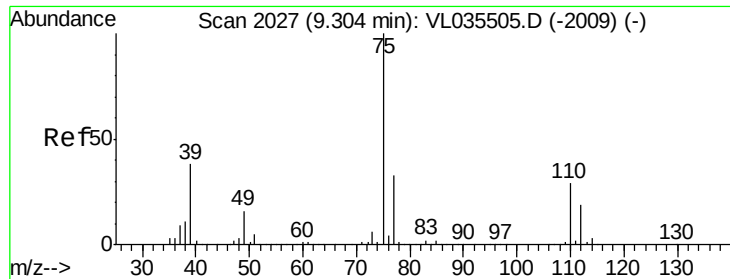
Tgt Ion: 69 Resp: 1299770
Ion Ratio Lower Upper
69 100
41 97.6 76.6 114.8
100 39.6 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 10.319 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 57 Resp: 4054448
Ion Ratio Lower Upper
57 100
41 26.1 20.5 30.7
56 31.9 25.3 37.9

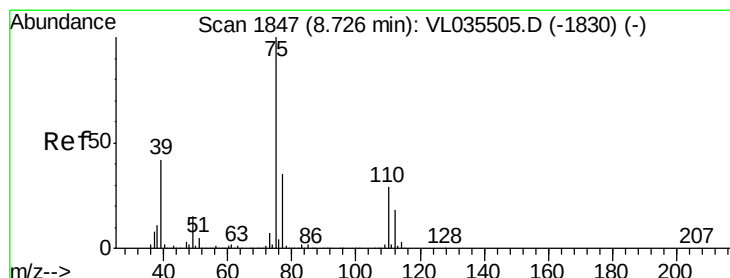
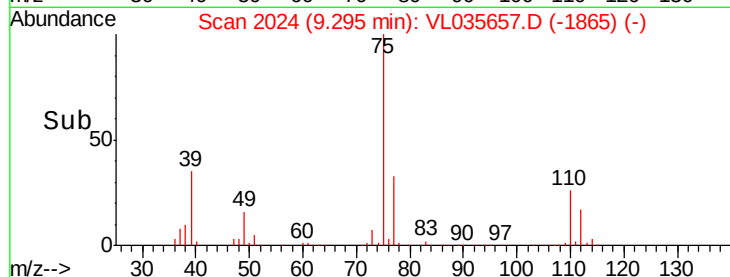
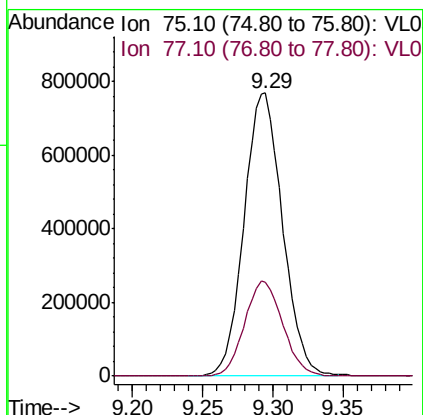
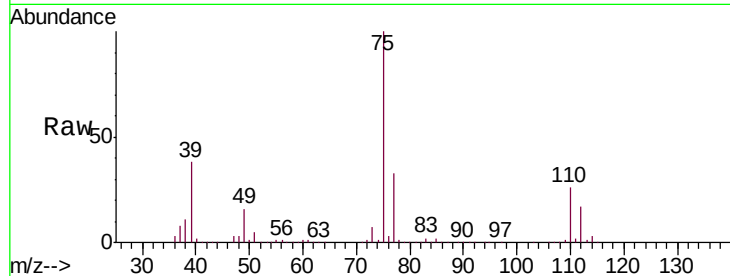




#45
t-1,3-Dichloropropene
Concen: 12.543 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

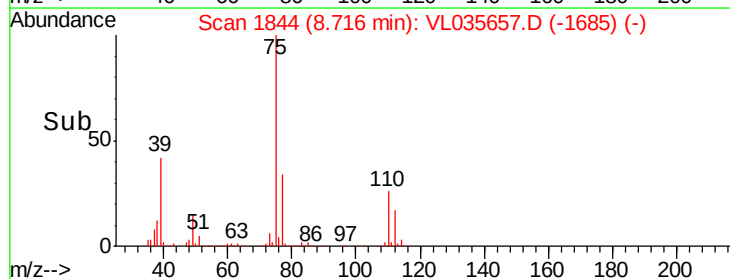
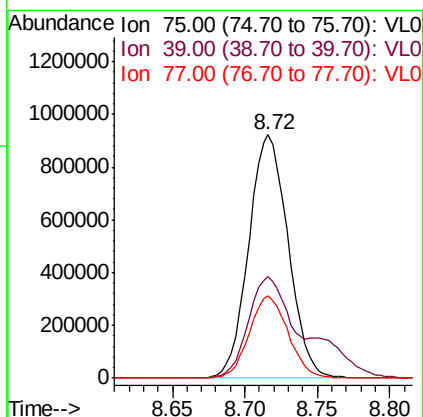
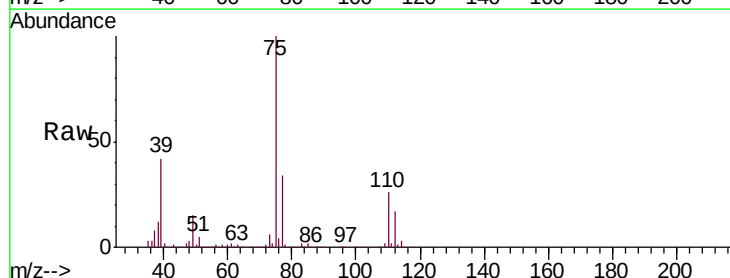
Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

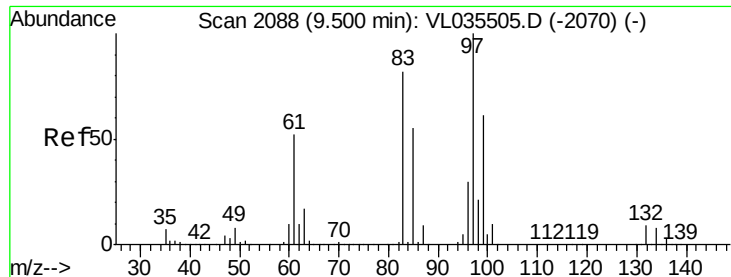
Tgt Ion: 75 Resp: 1467179
Ion Ratio Lower Upper
75 100
77 33.4 26.5 39.7



#46
cis-1,3-Dichloropropene
Concen: 12.016 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 75 Resp: 1745086
Ion Ratio Lower Upper
75 100
39 41.8 33.7 50.5
77 33.7 27.8 41.6

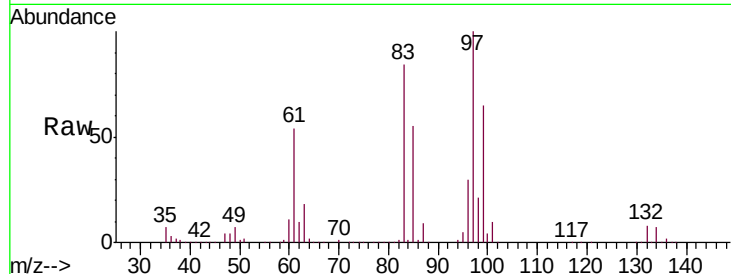




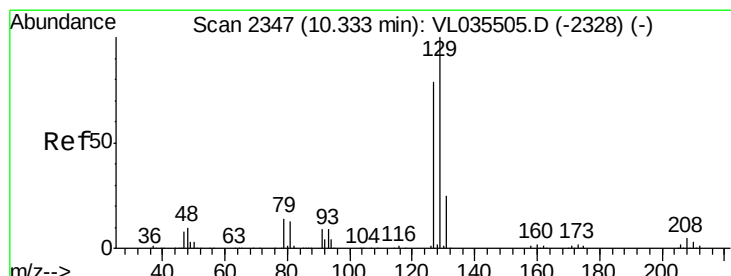
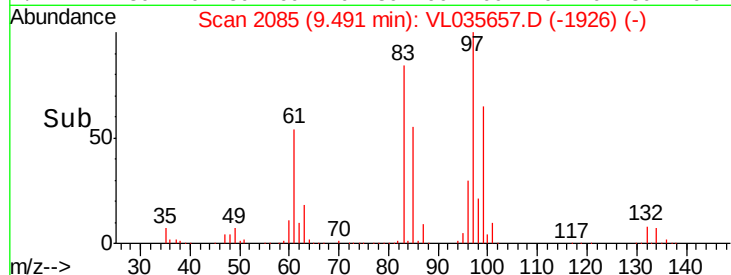
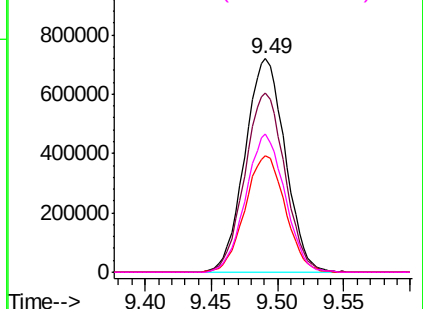
#47
 1,1,2-Trichloroethane
 Concen: 10.176 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Tgt Ion: 97 Resp: 1514696
 Ion Ratio Lower Upper
 97 100
 83 84.1 65.4 98.2
 85 54.6 43.7 65.5
 99 64.5 49.1 73.7

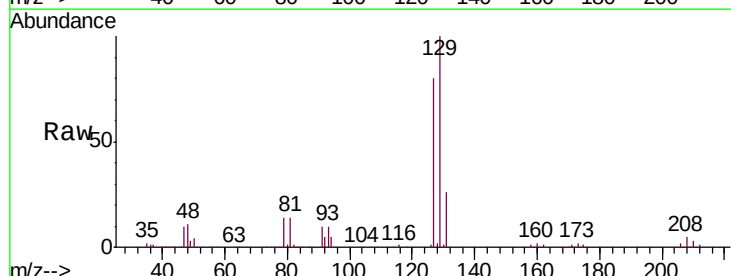


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

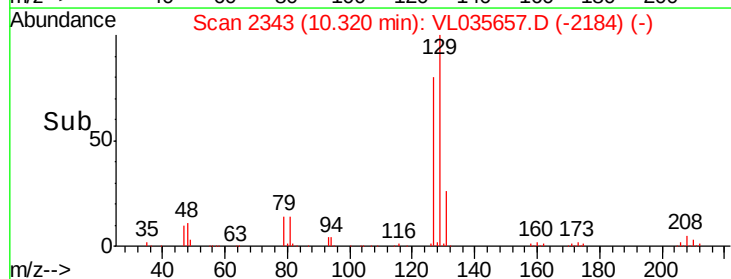
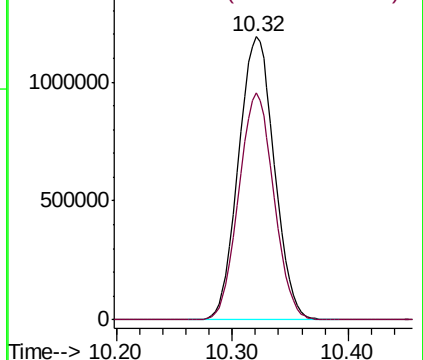


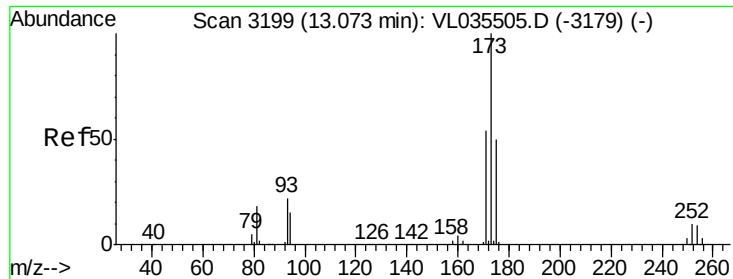
#48
 Dibromochloromethane
 Concen: 10.924 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion: 129 Resp: 2559144
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.3 117.8



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





#49

Bromoform

Concen: 10.865 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

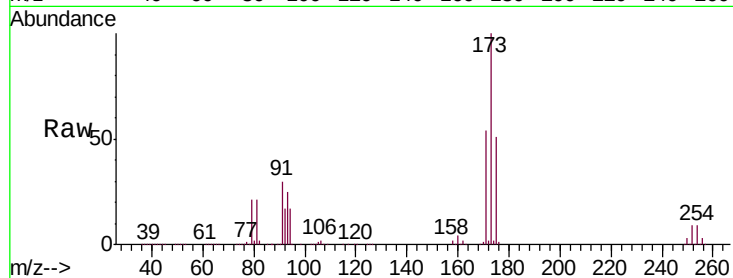
Tgt Ion:173 Resp: 2306746

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

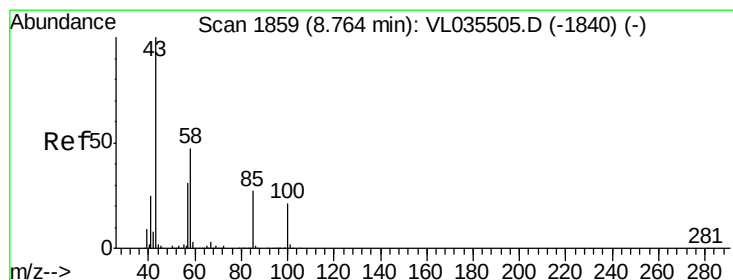
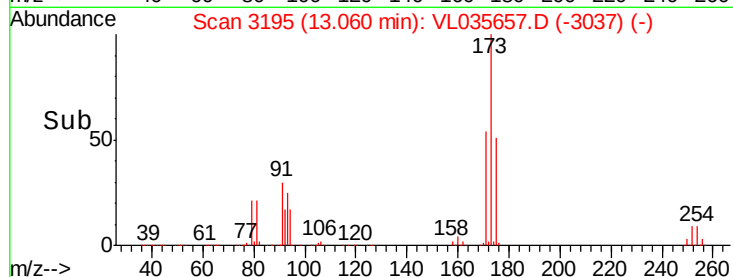
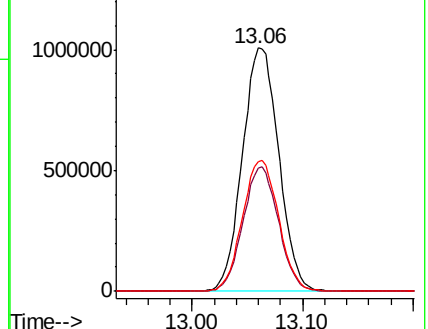
171 53.6 42.4 63.6



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: 10.947 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL035657.D

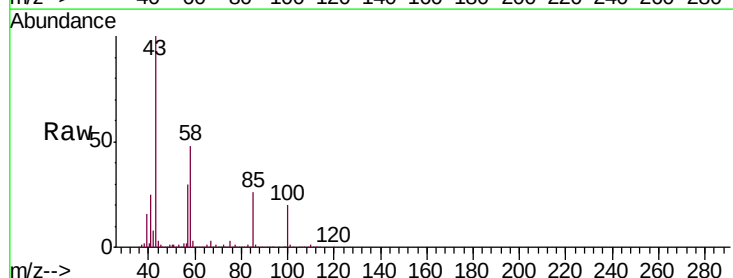
Acq: 17 Sep 2020 14:26

Tgt Ion: 43 Resp: 2170133

Ion Ratio Lower Upper

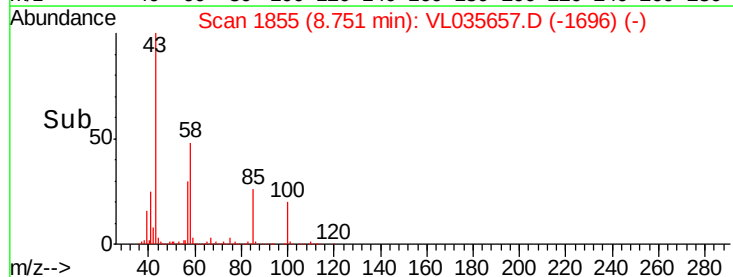
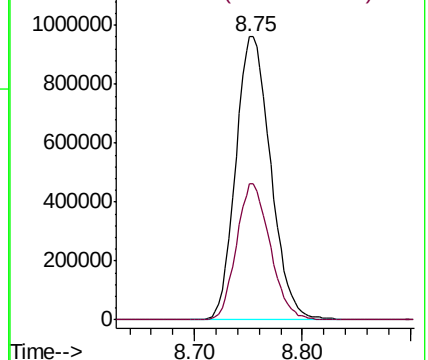
43 100

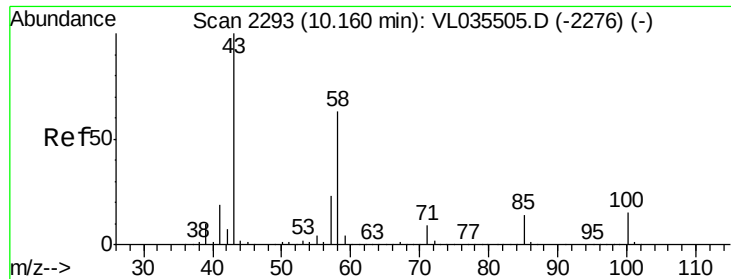
58 46.5 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

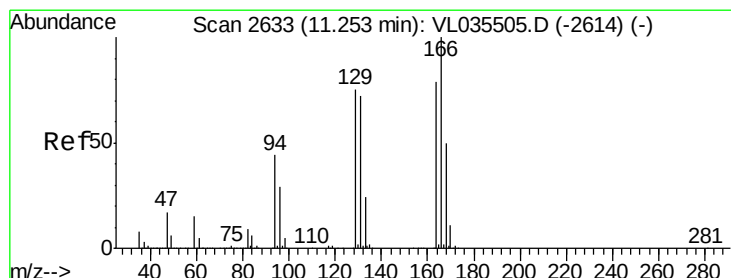
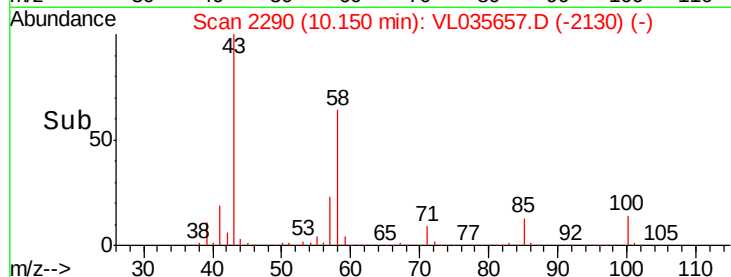
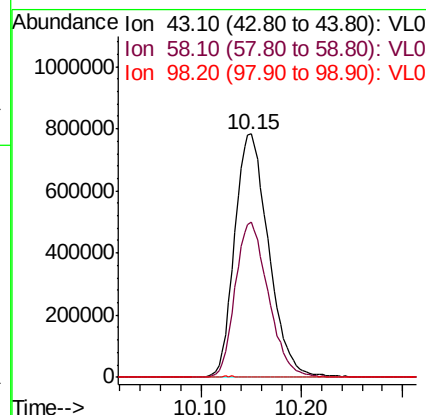
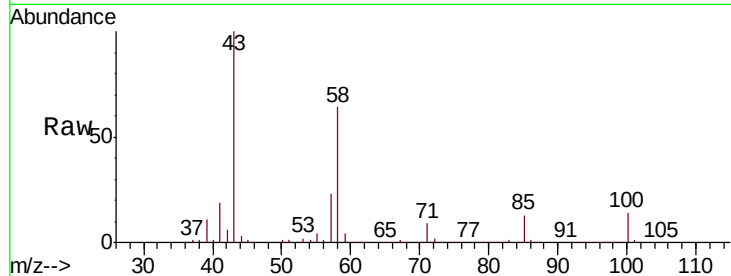




#51
2-Hexanone
Concen: 11.301 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

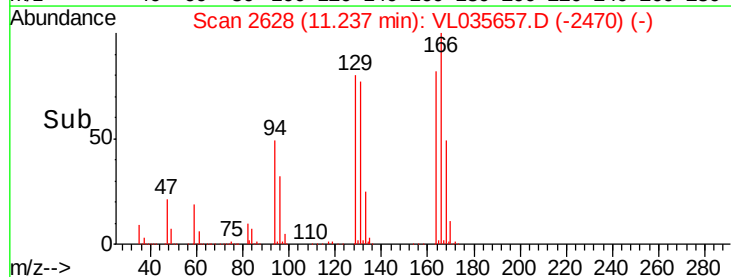
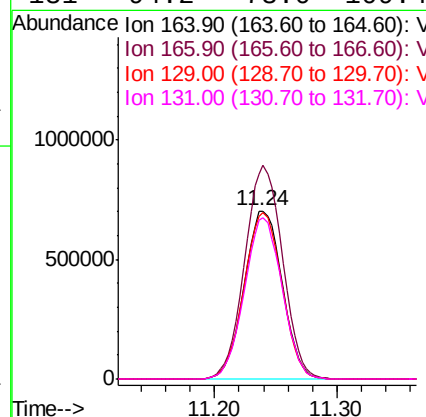
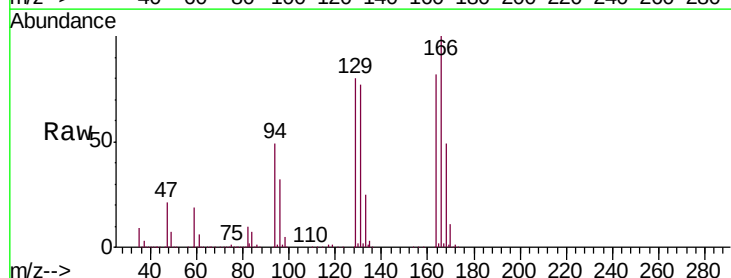
Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

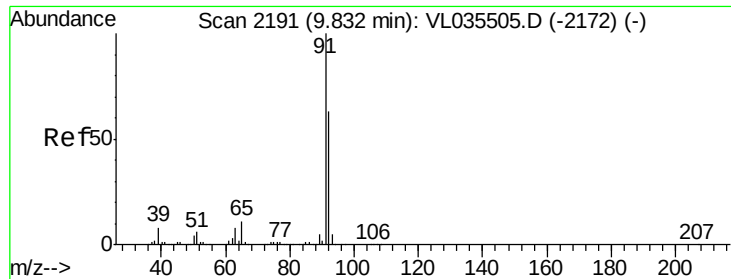
Tgt Ion: 43 Resp: 1837798
Ion Ratio Lower Upper
43 100
58 62.2 50.2 75.4
98 0.6 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.669 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 164 Resp: 1512323
Ion Ratio Lower Upper
164 100
166 121.6 100.9 151.3
129 96.9 75.3 112.9
131 94.2 73.0 109.4





#53

Toluene

Concen: 10.388 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

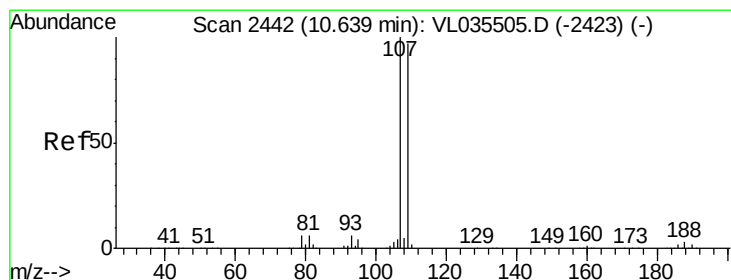
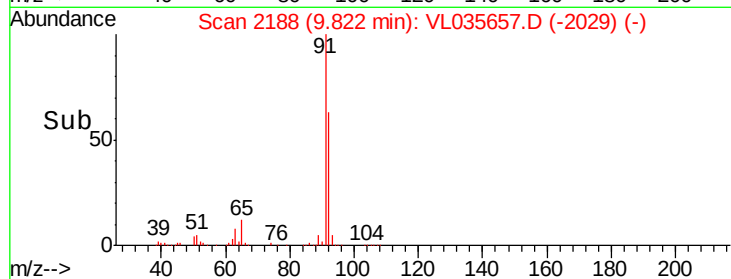
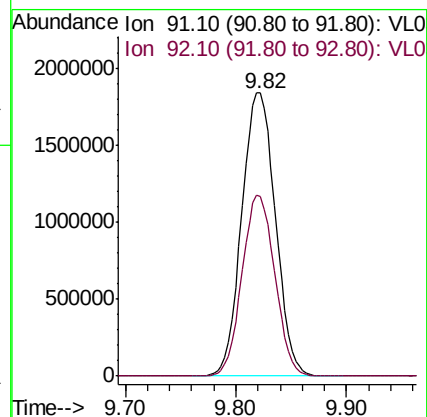
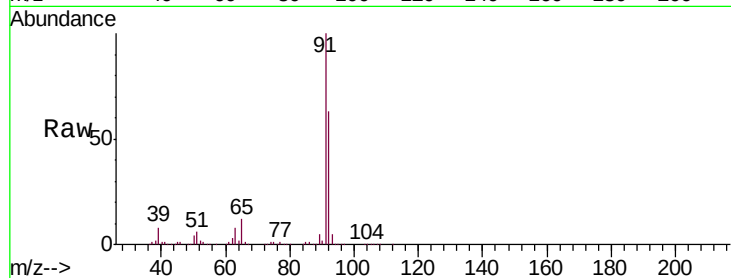
VL0917ABS01

Tgt Ion: 91 Resp: 3900948

Ion Ratio Lower Upper

91 100

92 62.3 49.8 74.8



#54

1,2-Dibromoethane

Concen: 10.166 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VL035657.D

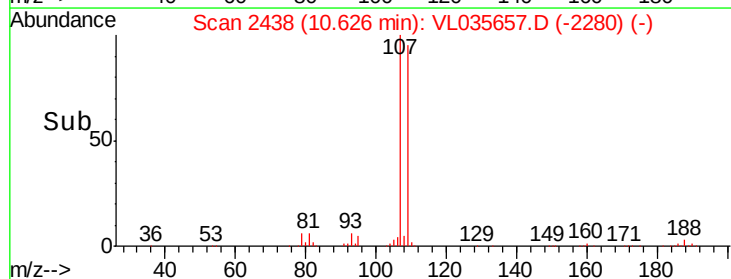
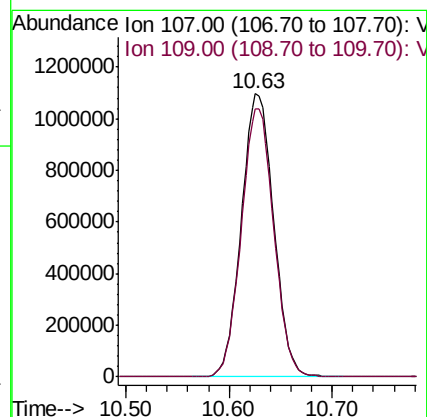
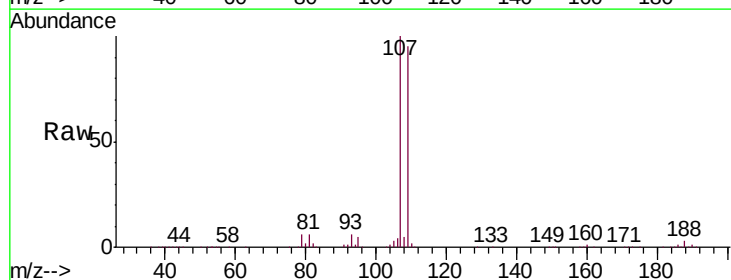
Acq: 17 Sep 2020 14:26

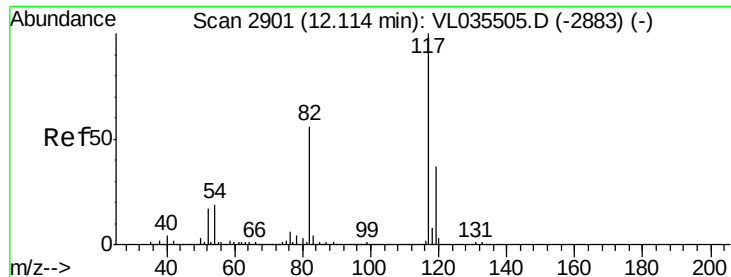
Tgt Ion: 107 Resp: 2390938

Ion Ratio Lower Upper

107 100

109 94.7 77.8 116.8

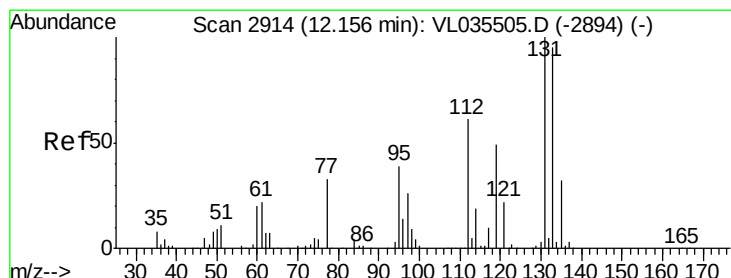
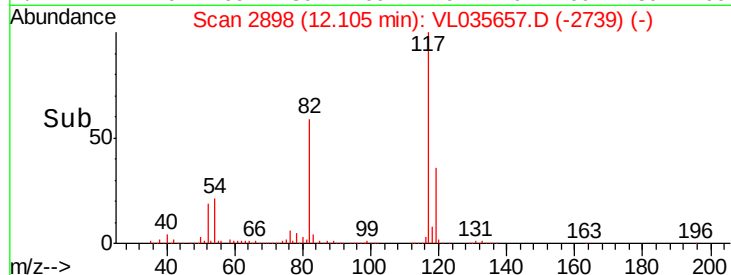
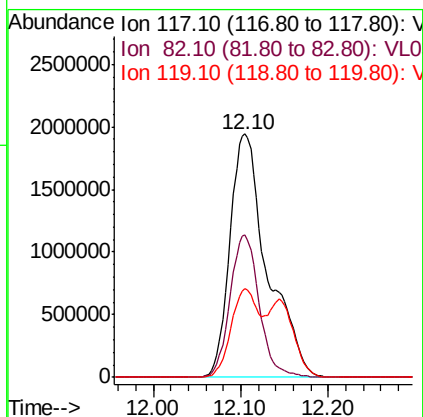
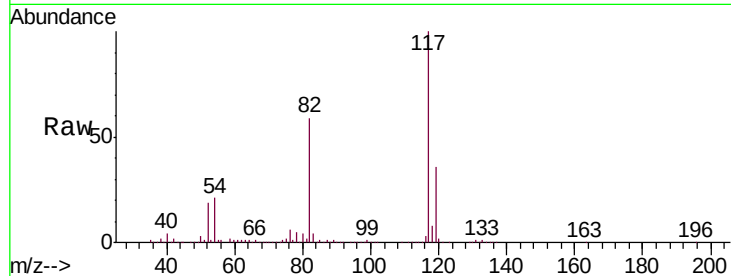




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

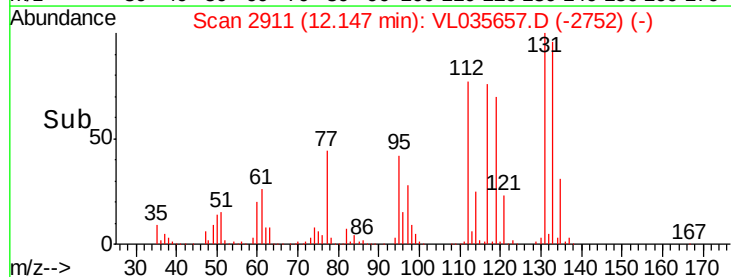
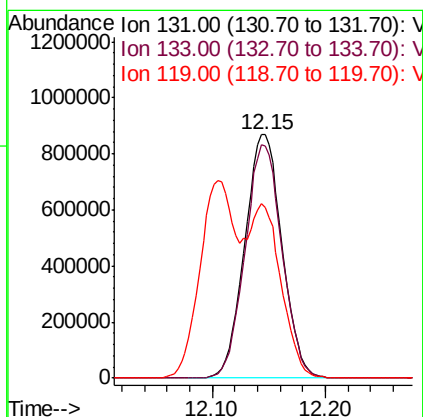
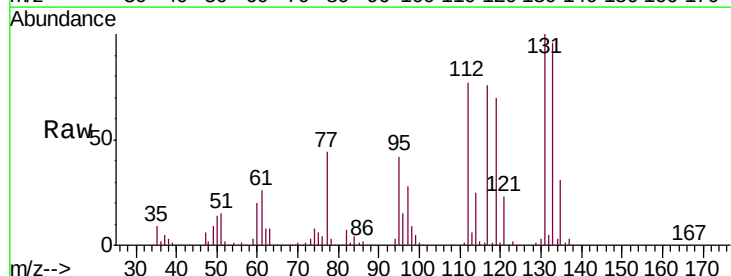
Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

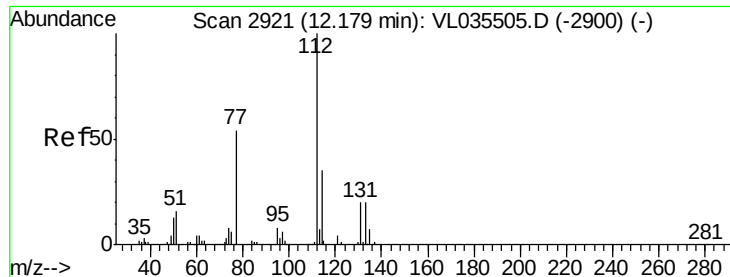
Tgt Ion:117 Resp: 5774284
Ion Ratio Lower Upper
117 100
82 45.7 41.6 62.4
119 29.7 29.3 43.9



#56
1,1,1,2-Tetrachloroethane
Concen: 8.433 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion:131 Resp: 1981347
Ion Ratio Lower Upper
131 100
133 95.6 76.6 115.0
119 62.3 51.6 77.4

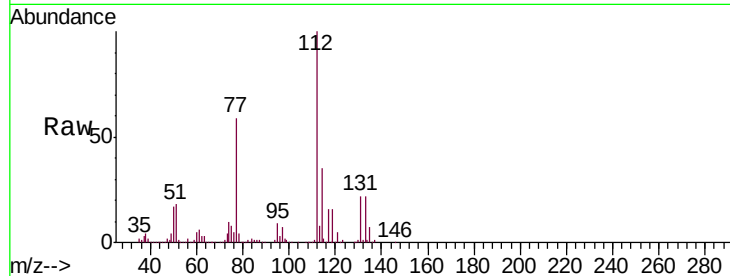




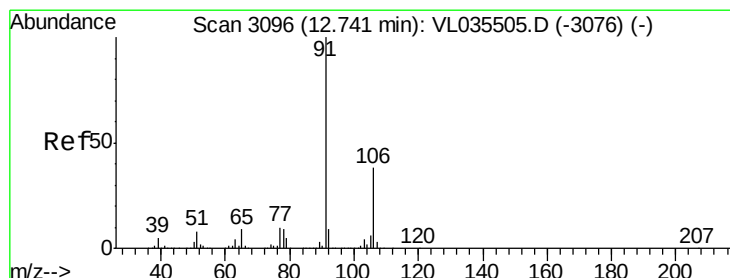
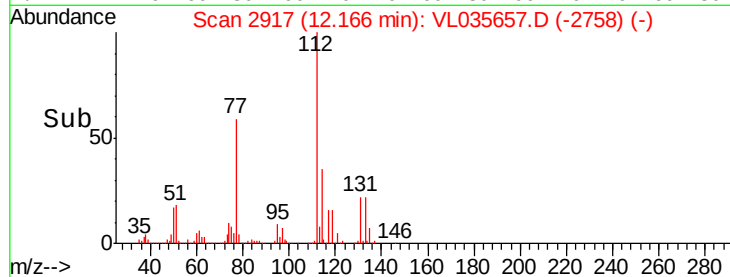
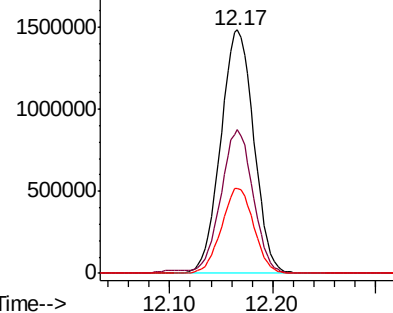
#57
Chlorobenzene
Concen: 7.781 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 112 Resp: 3306513
Ion Ratio Lower Upper
112 100
77 59.0 44.2 66.4
114 34.7 31.6 38.6

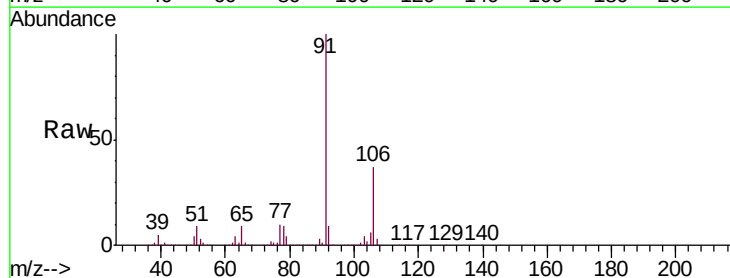


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

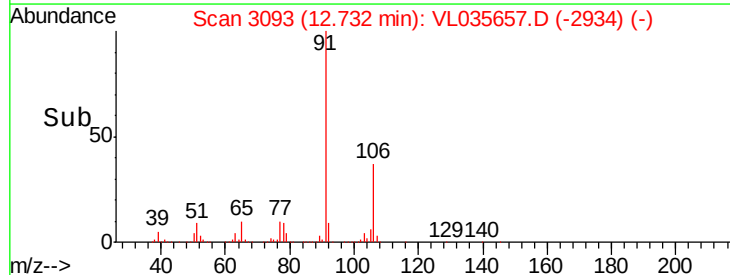
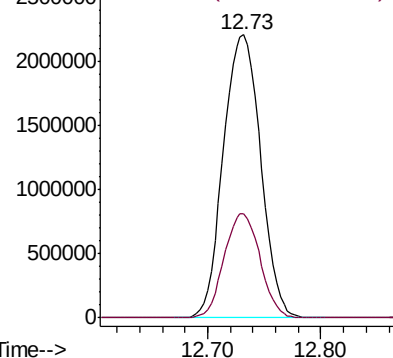


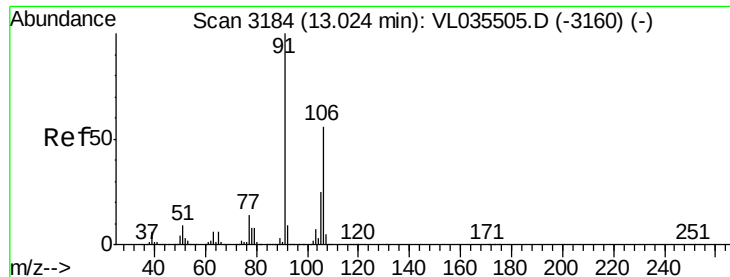
#58
Ethyl Benzene
Concen: 8.513 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 91 Resp: 5069281
Ion Ratio Lower Upper
91 100
106 36.7 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

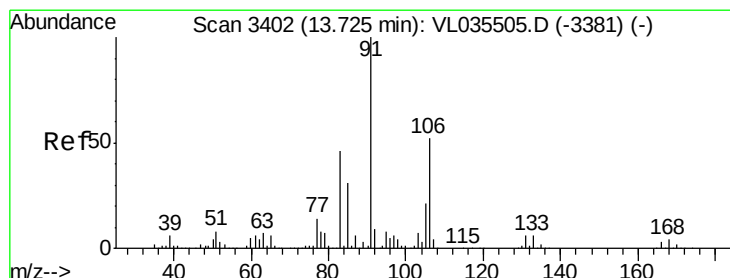
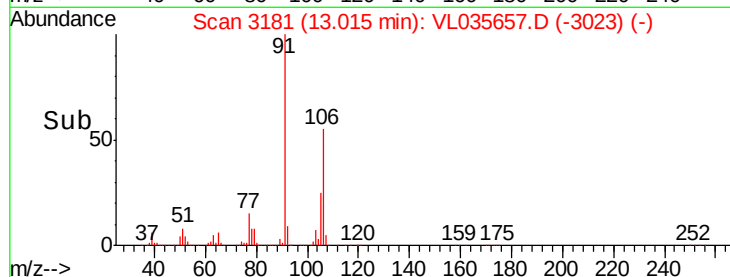
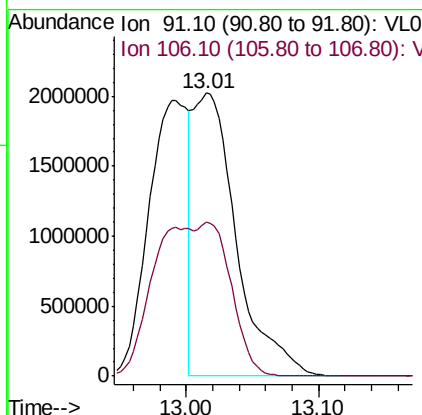
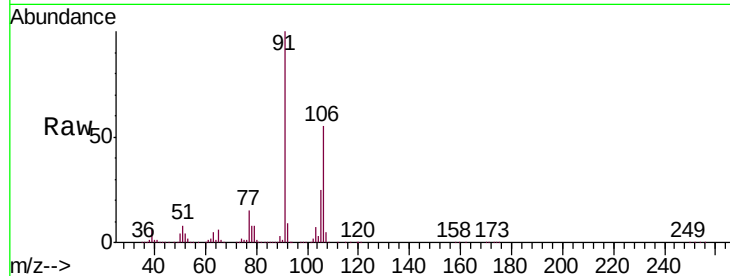




#59
m/p-Xylene
Concen: 9.176 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

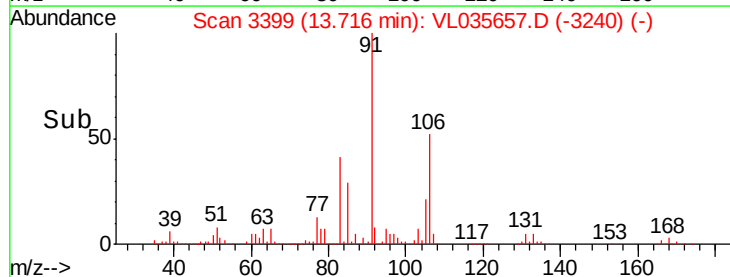
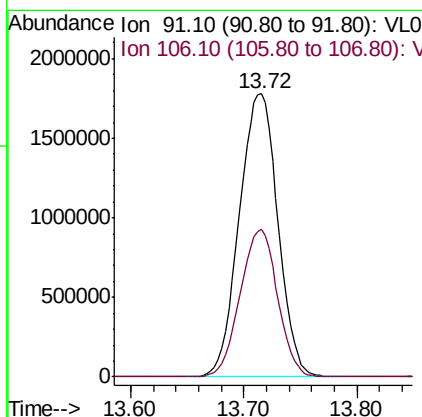
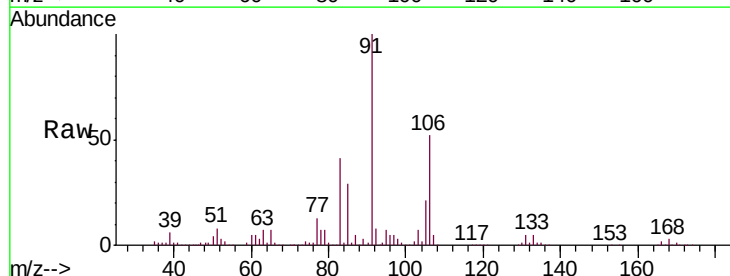
Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

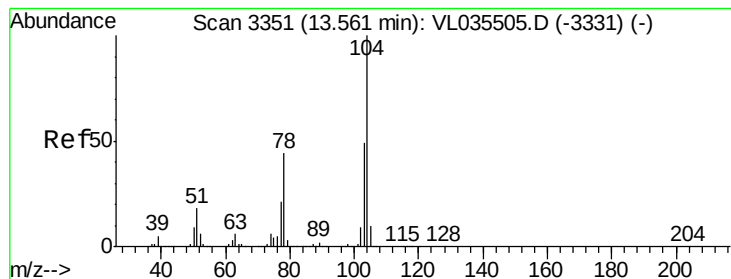
Tgt Ion: 91 Resp: 4565366
Ion Ratio Lower Upper
91 100
106 95.7 43.4 65.2#



#60
o-Xylene
Concen: 8.407 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 91 Resp: 4212669
Ion Ratio Lower Upper
91 100
106 50.7 25.8 77.4





#61

Styrene

Concen: 8.854 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

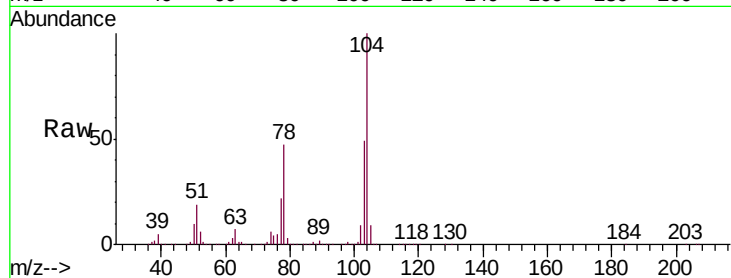
Tgt Ion:104 Resp: 3393230

Ion Ratio Lower Upper

104 100

78 45.4 34.8 52.2

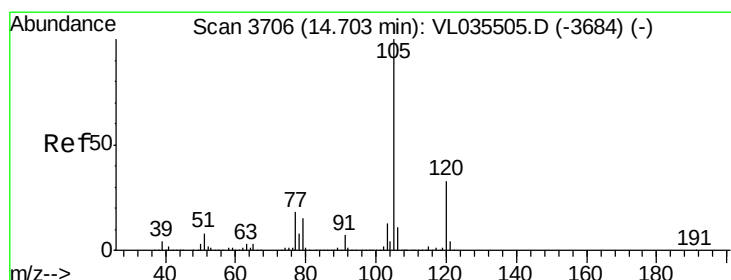
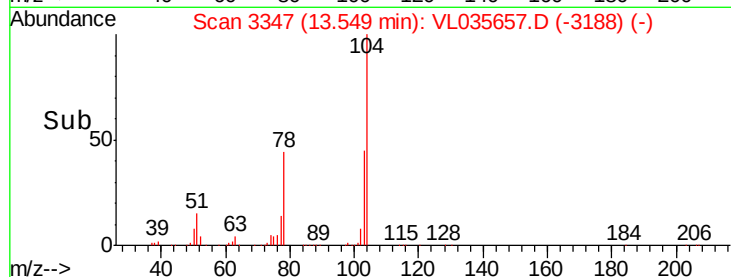
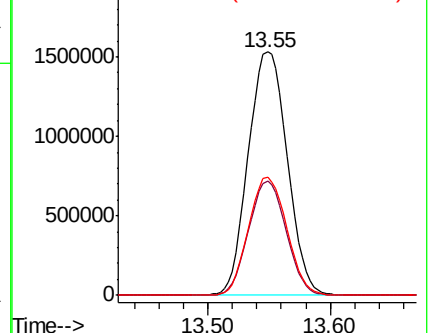
103 47.5 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.976 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VL035657.D

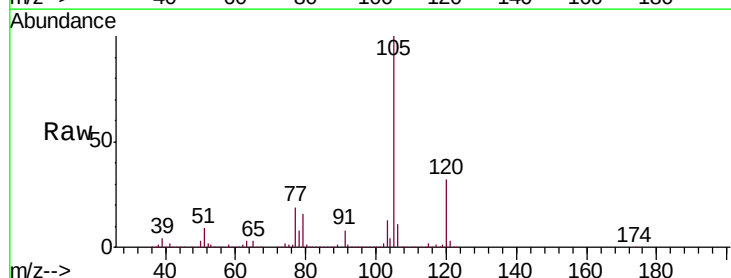
Acq: 17 Sep 2020 14:26

Tgt Ion:105 Resp: 6420207

Ion Ratio Lower Upper

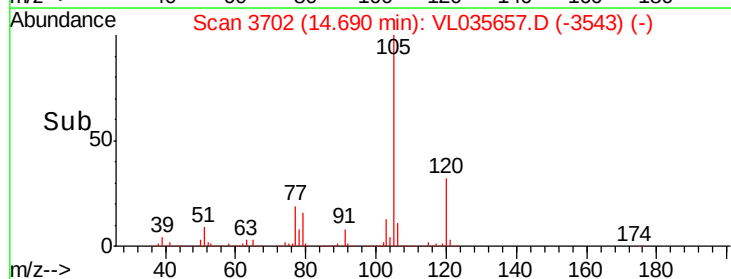
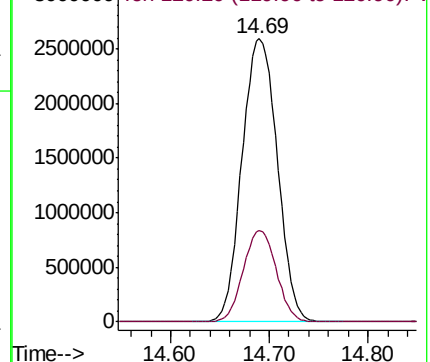
105 100

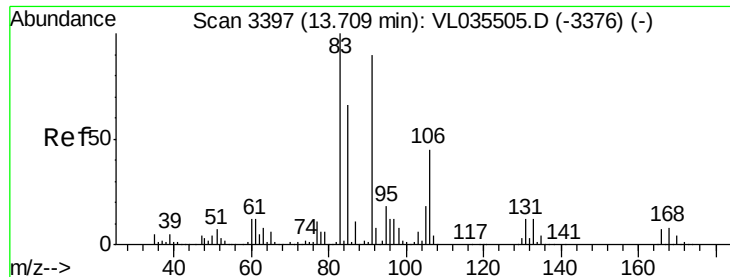
120 30.3 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

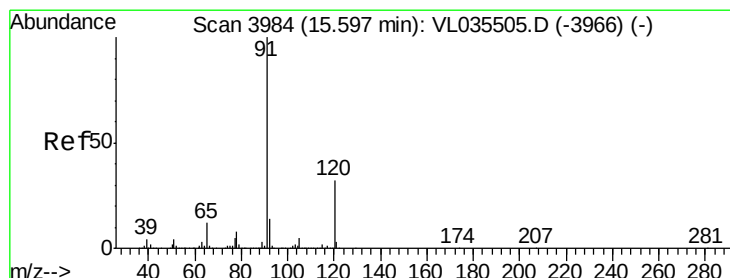
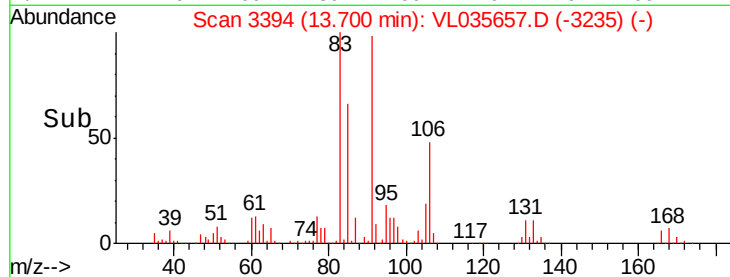
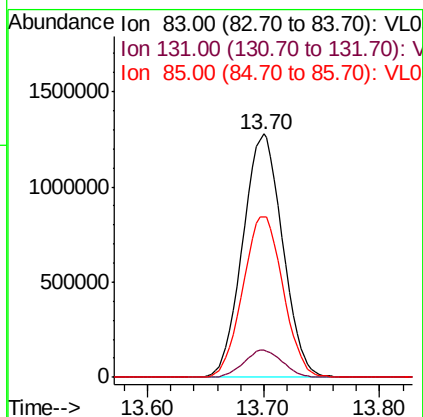
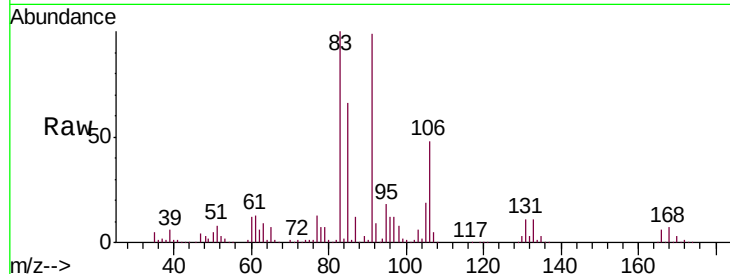




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.871 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

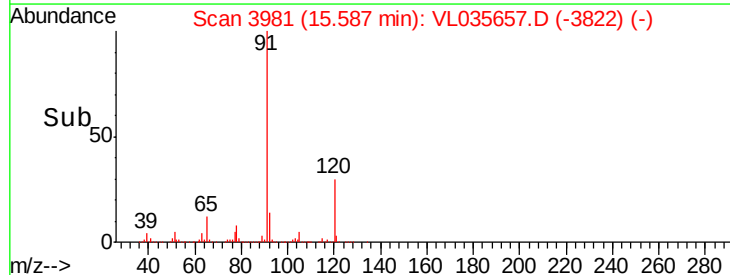
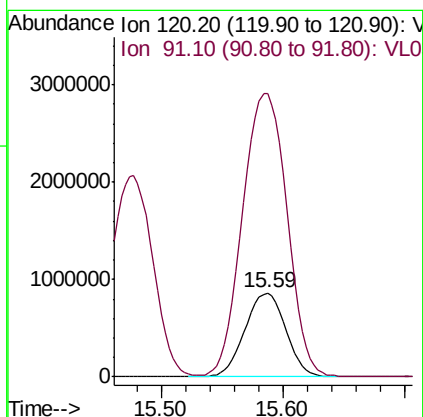
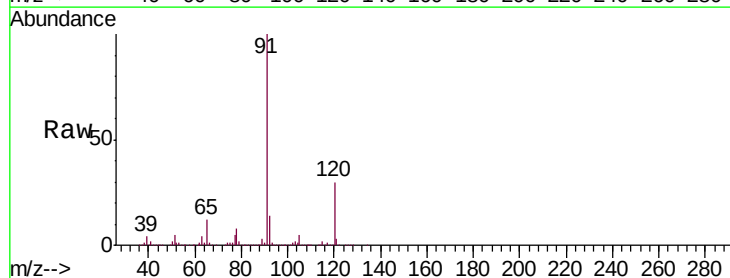
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

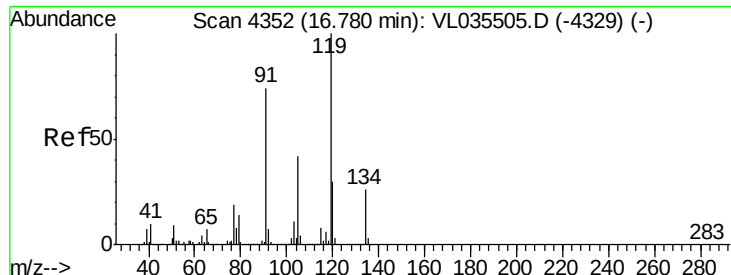
Tgt Ion: 83 Resp: 3057841
 Ion Ratio Lower Upper
 83 100
 131 11.0 6.0 18.0
 85 66.9 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.139 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion: 120 Resp: 1999311
 Ion Ratio Lower Upper
 120 100
 91 369.0 279.4 419.0

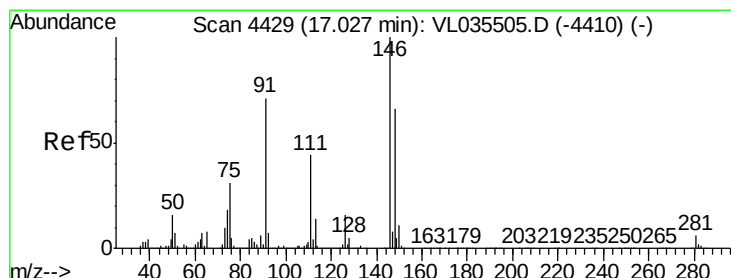
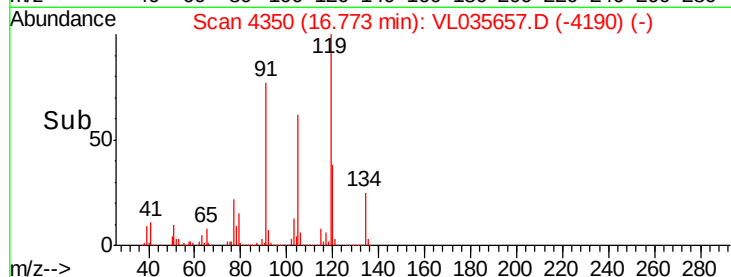
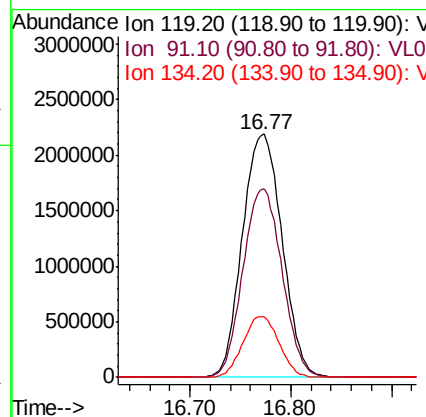
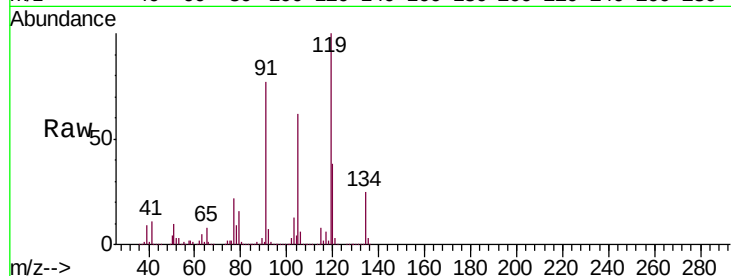




#65
 tert-Butylbenzene
 Concen: 7.997 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

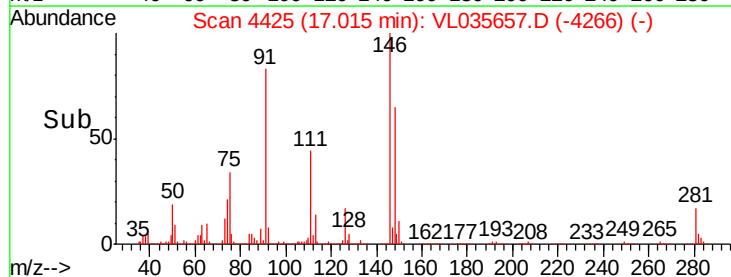
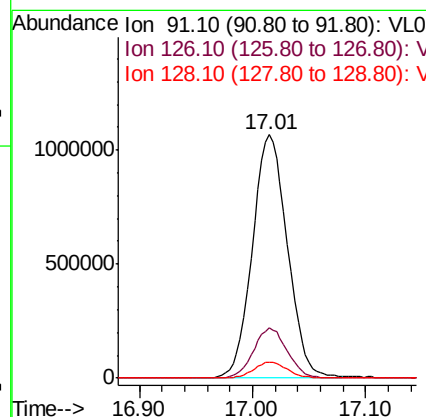
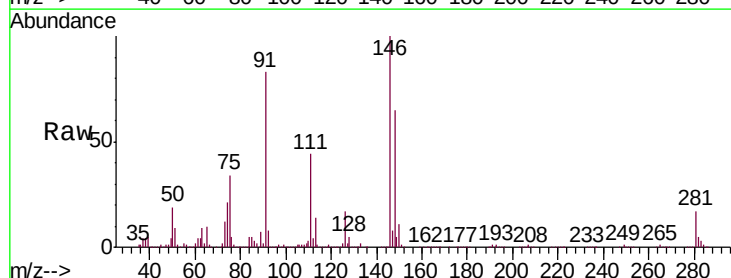
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

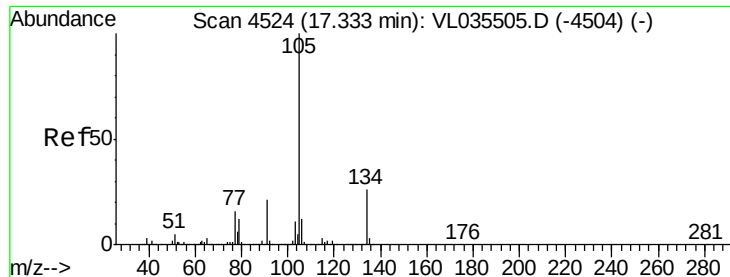
Tgt Ion: 119 Resp: 5984131
 Ion Ratio Lower Upper
 119 100
 91 76.5 58.6 87.8
 134 22.8 18.9 28.3



#66
 Benzyl Chloride
 Concen: 12.345 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion: 91 Resp: 2295722
 Ion Ratio Lower Upper
 91 100
 126 19.9 17.2 25.8
 128 6.5 5.5 8.3





#67

sec-Butylbenzene

Concen: 7.989 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

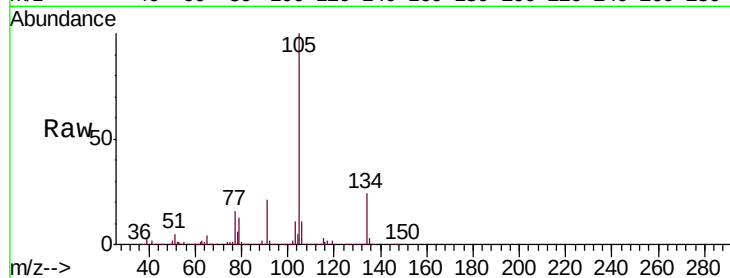
VL0917ABS01

Tgt Ion:105 Resp: 7964767

Ion Ratio Lower Upper

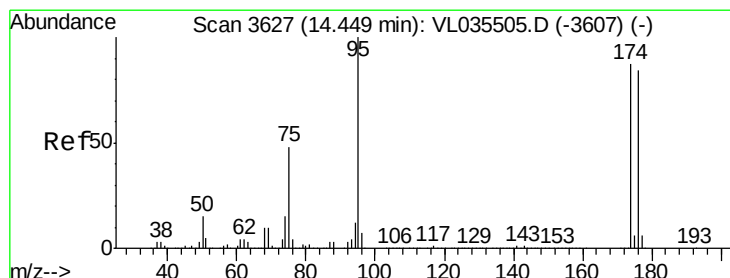
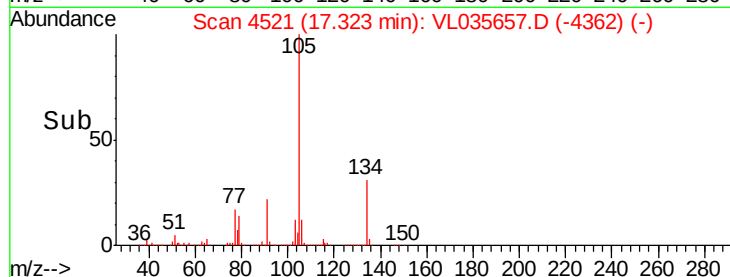
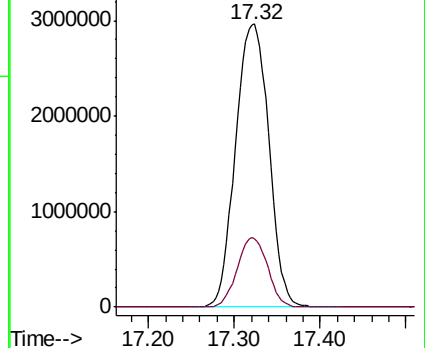
105 100

134 22.4 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.271 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

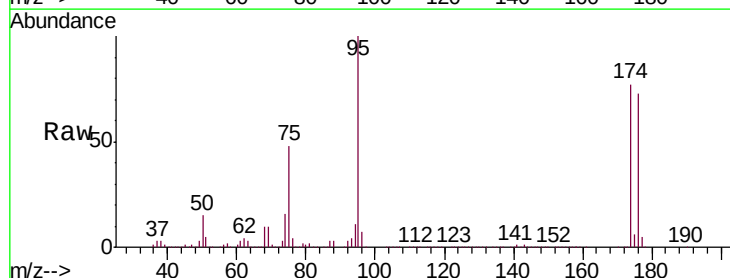
Tgt Ion: 95 Resp: 3391772

Ion Ratio Lower Upper

95 100

174 77.5 69.6 104.4

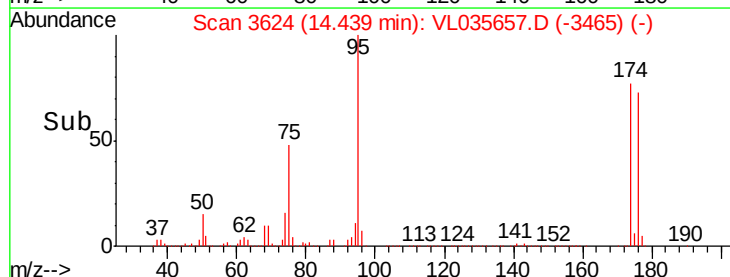
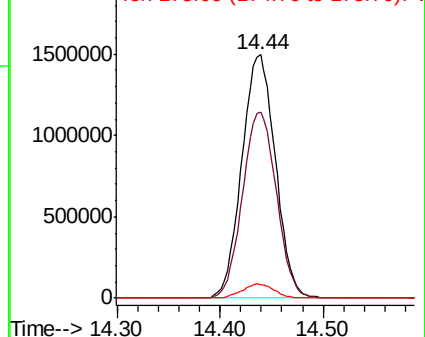
175 5.6 5.1 7.7

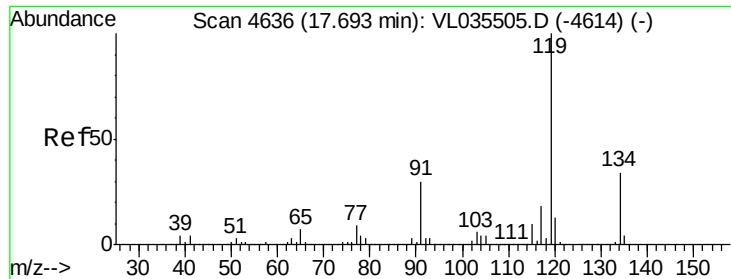


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

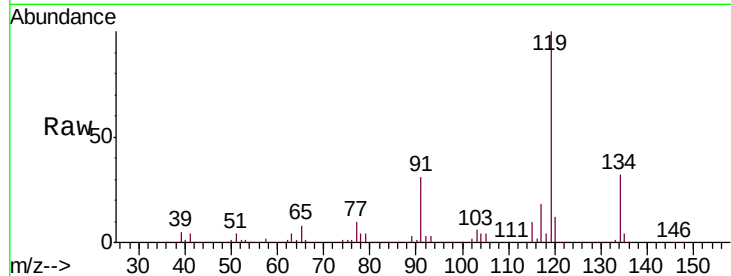




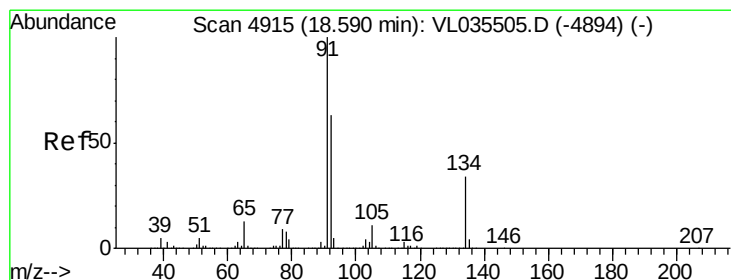
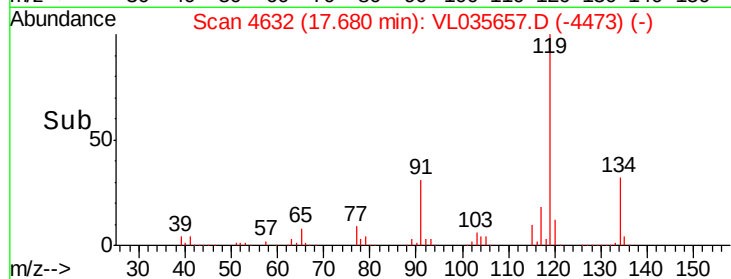
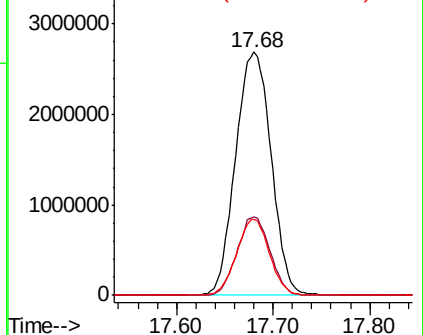
#69
p-Isopropyltoluene
Concen: 7.852 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 119 Resp: 6866495
Ion Ratio Lower Upper
119 100
134 30.0 25.0 37.4
91 28.8 22.3 33.5

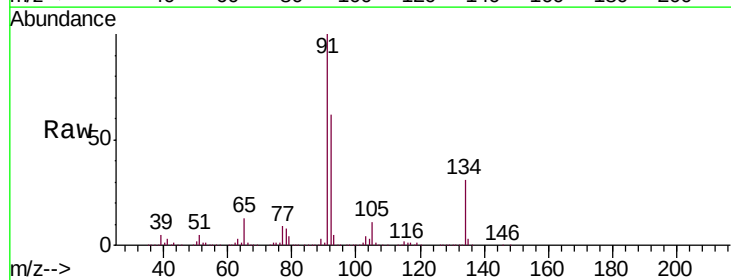


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

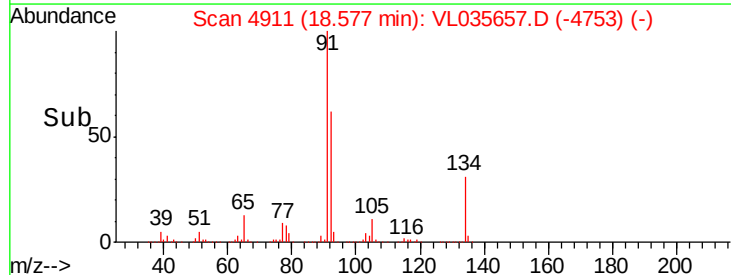
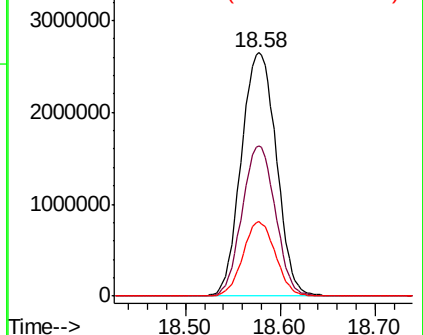


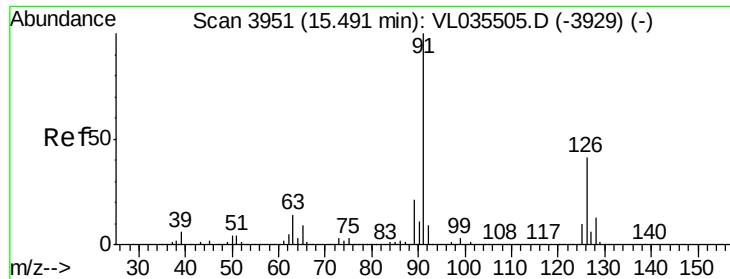
#70
n-Butylbenzene
Concen: 8.093 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. 0.01 min
Lab File: VL035657.D
Acq: 17 Sep 2020 14:26

Tgt Ion: 91 Resp: 6817381
Ion Ratio Lower Upper
91 100
92 58.7 47.3 70.9
134 28.3 24.6 37.0



Abundance Ion 91.10 (90.80 to 91.80): V
Ion 92.10 (91.80 to 92.80): V
Ion 134.20 (133.90 to 134.90): V

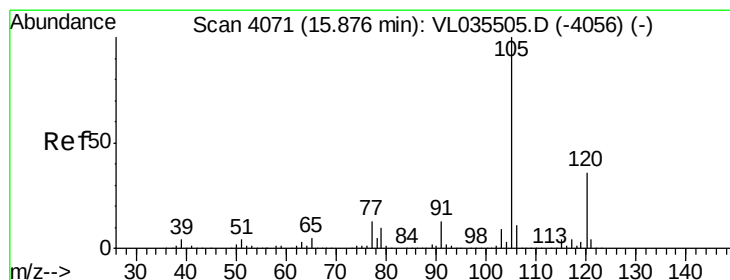
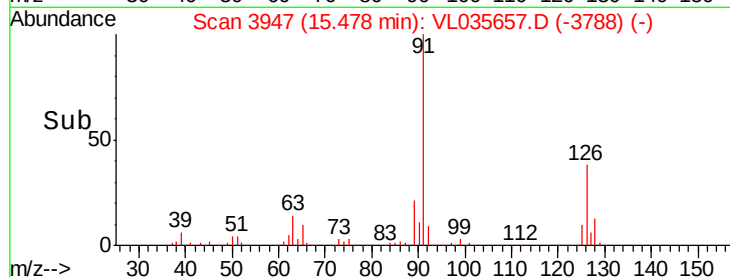
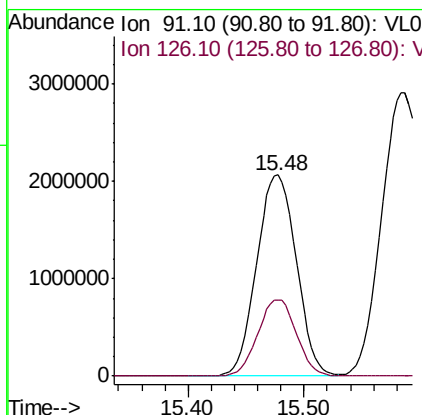
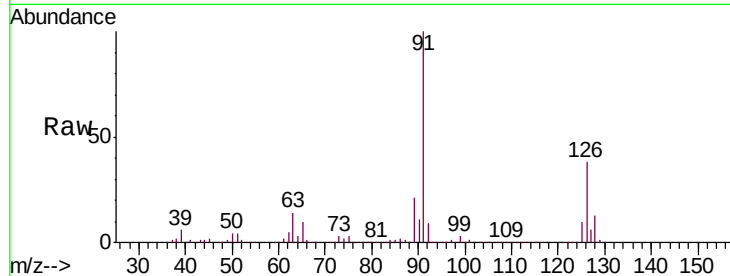




#71
 2-Chlorotoluene
 Concen: 8.385 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

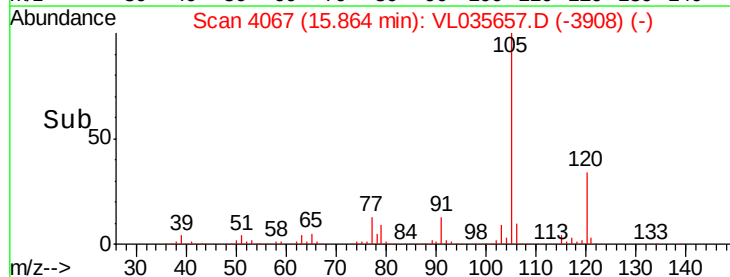
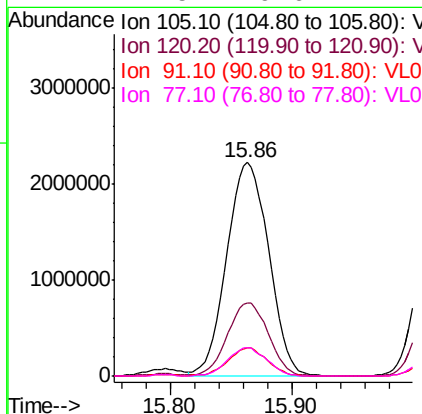
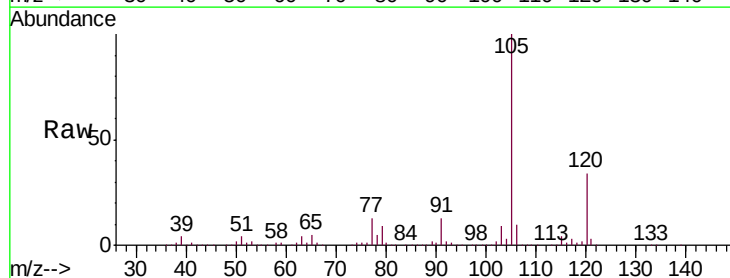
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

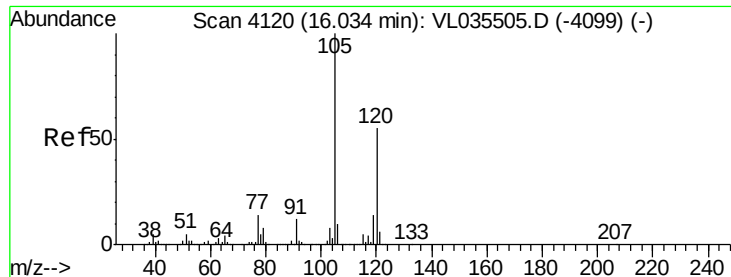
Tgt Ion: 91 Resp: 4915351
 Ion Ratio Lower Upper
 91 100
 126 36.9 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 8.346 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion: 105 Resp: 5317219
 Ion Ratio Lower Upper
 105 100
 120 33.4 27.4 41.2
 91 12.4 9.7 14.5
 77 12.5 9.6 14.4

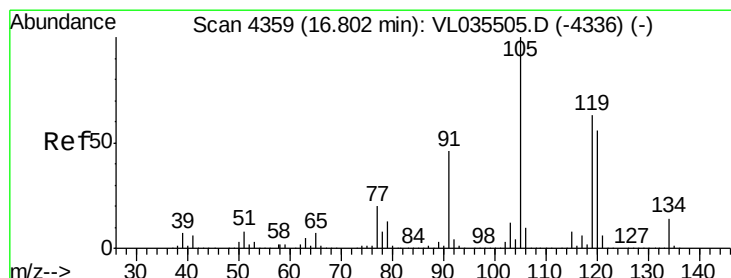
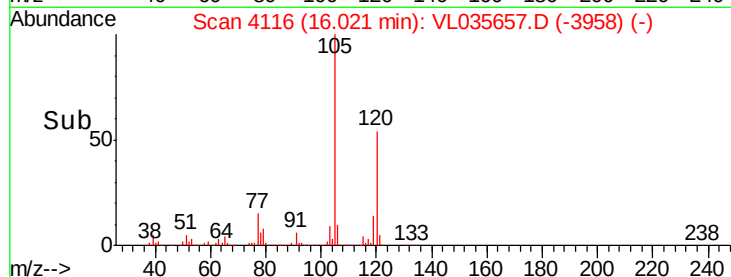
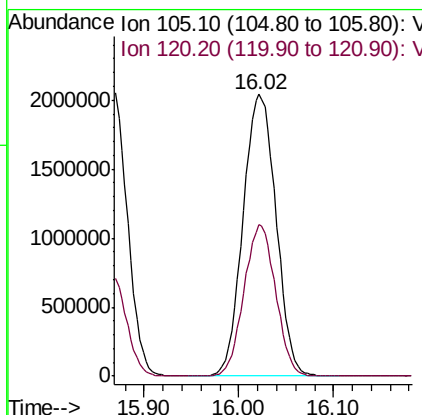
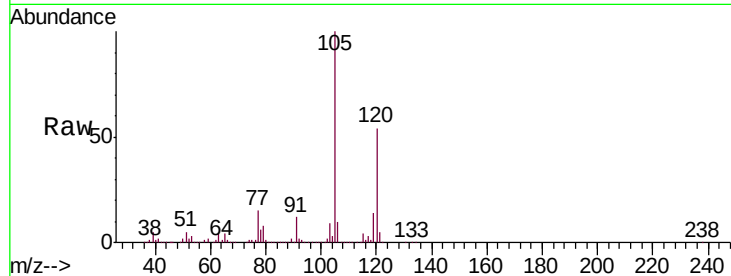




#73
 1,3,5-Trimethylbenzene
 Concen: 8.349 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

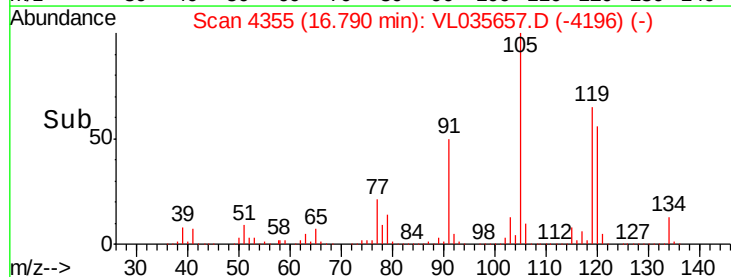
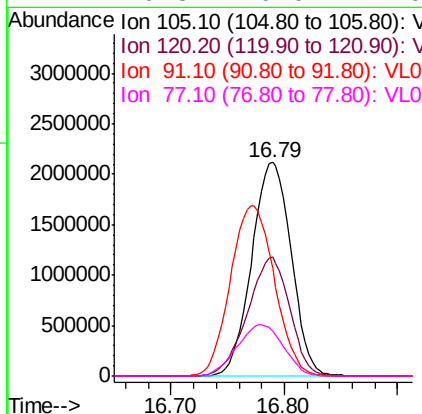
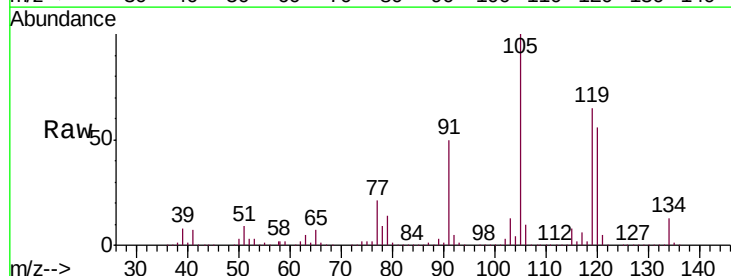
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

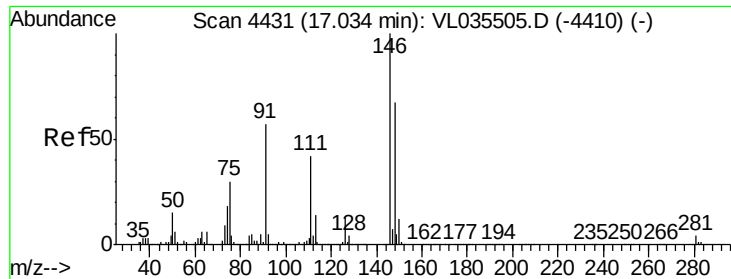
Tgt Ion:105 Resp: 4919606
 Ion Ratio Lower Upper
 105 100
 120 53.6 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.923 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion:105 Resp: 5127239
 Ion Ratio Lower Upper
 105 100
 120 55.6 44.4 66.6
 91 49.9 37.1 55.7
 77 20.8 16.0 24.0

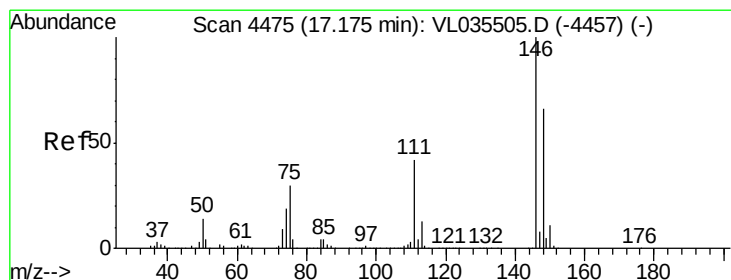
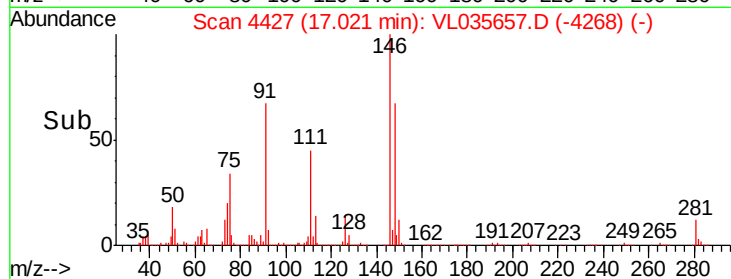
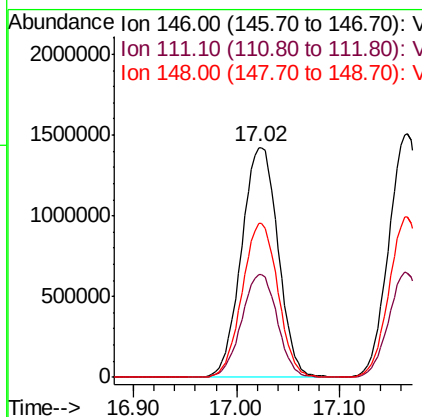
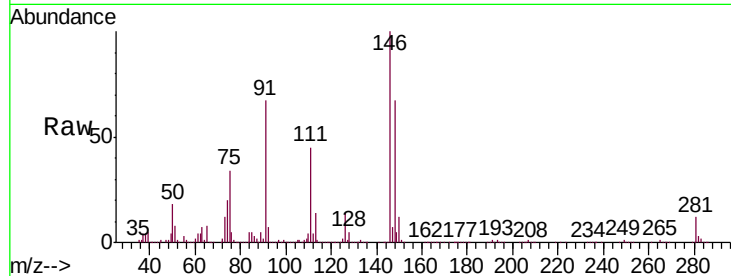




#75
 1,3-Dichlorobenzene
 Concen: 7.320 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

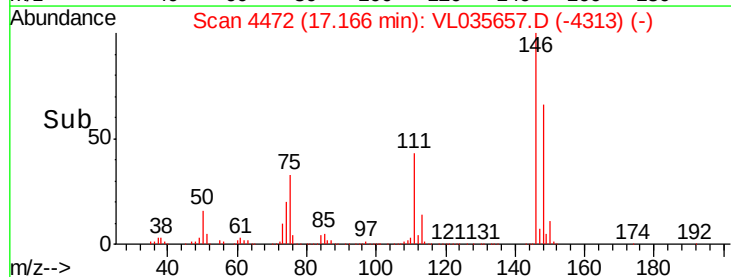
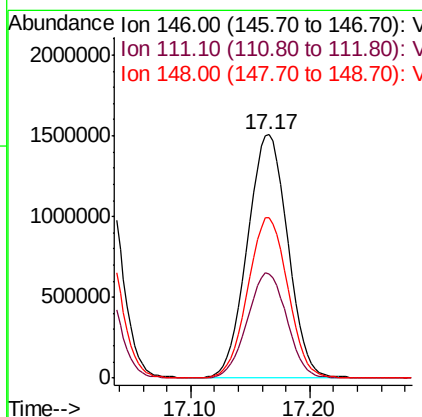
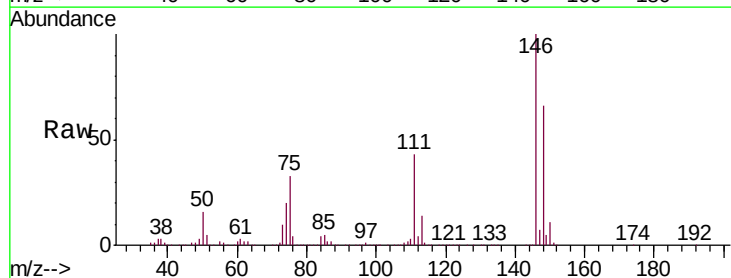
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

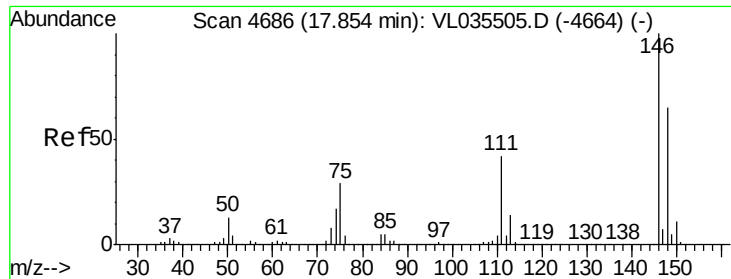
Tgt Ion:146 Resp: 3508569
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.7 62.1
 148 65.3 33.0 98.9



#76
 1,4-Dichlorobenzene
 Concen: 7.442 ppbv
 RT: 17.17 min Scan# 4472
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion:146 Resp: 3517957
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.0 60.0
 148 66.0 33.2 99.6

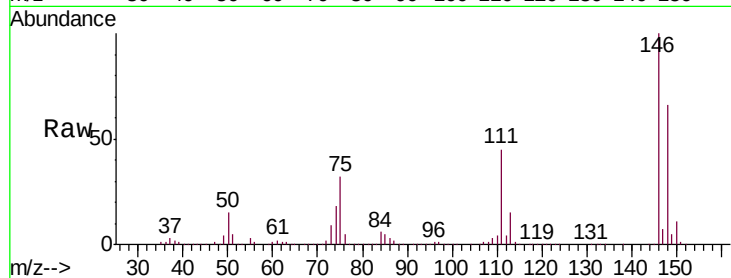




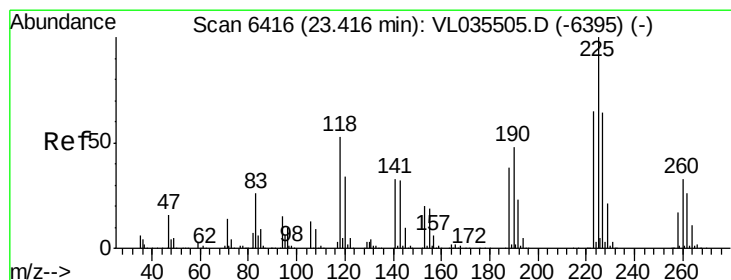
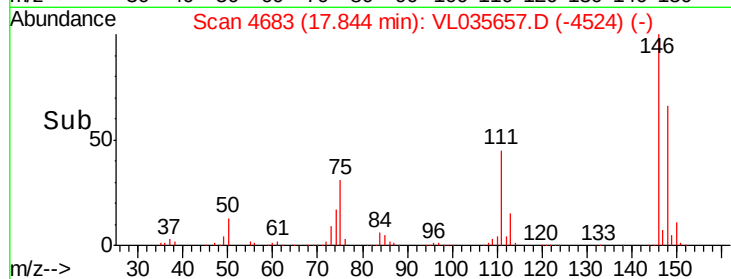
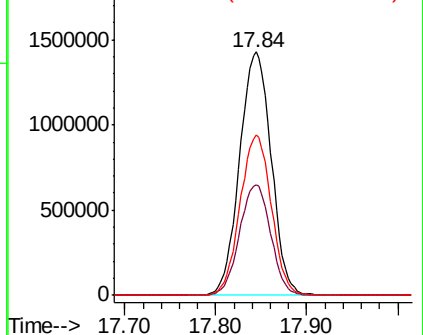
#77
 1,2-Dichlorobenzene
 Concen: 7.429 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Tgt Ion:146 Resp: 3449741
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.1 63.3
 148 65.2 32.9 98.7

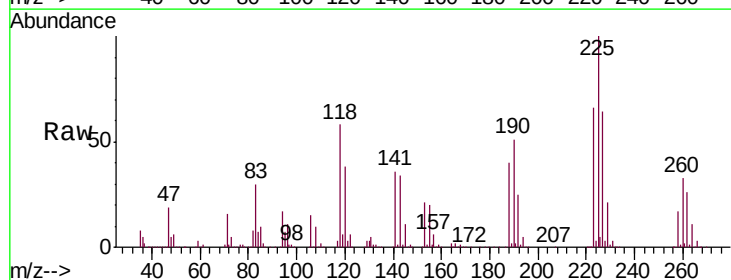


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

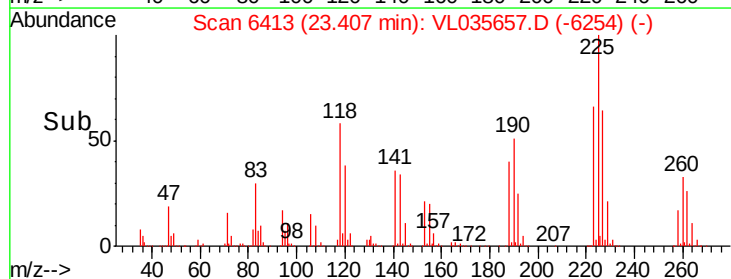
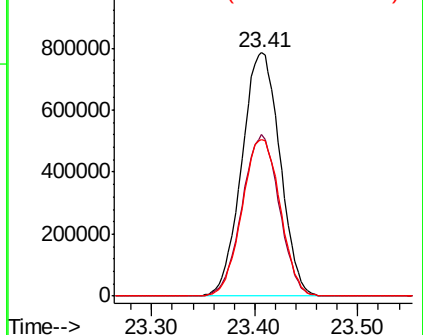


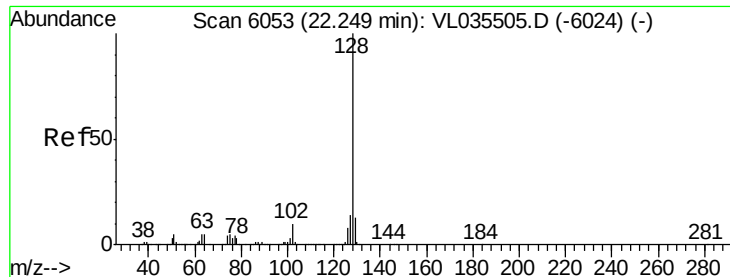
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.799 ppbv
 RT: 23.41 min Scan# 6413
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Tgt Ion:225 Resp: 2015752
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.7 77.5
 227 64.5 51.5 77.3



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: 8.082 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. 0.01 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

VL0917ABS01

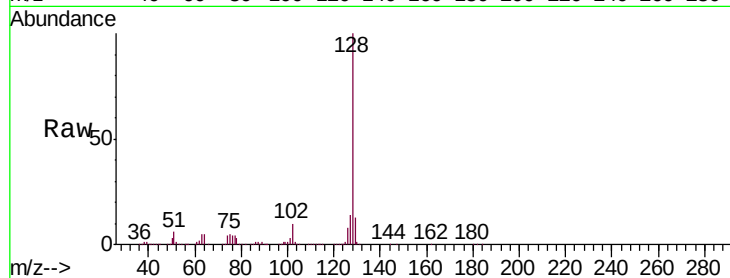
Tgt Ion:128 Resp: 5803001

Ion Ratio Lower Upper

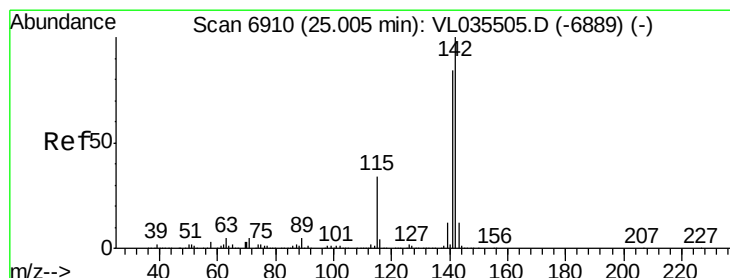
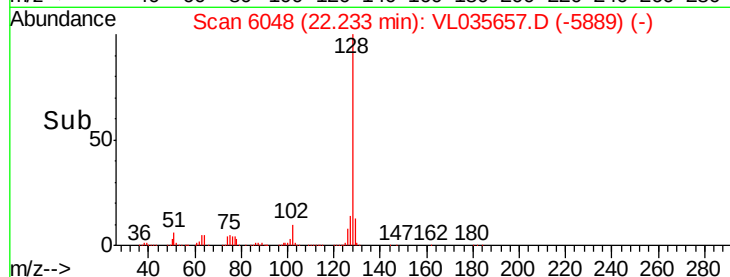
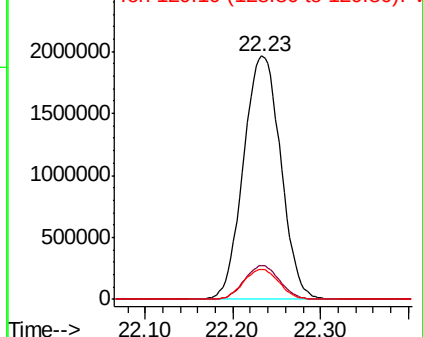
128 100

127 13.8 11.4 17.2

129 12.5 10.5 15.7



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: 8.689 ppbv

RT: 25.00 min Scan# 6907

Delta R.T. 0.00 min

Lab File: VL035657.D

Acq: 17 Sep 2020 14:26

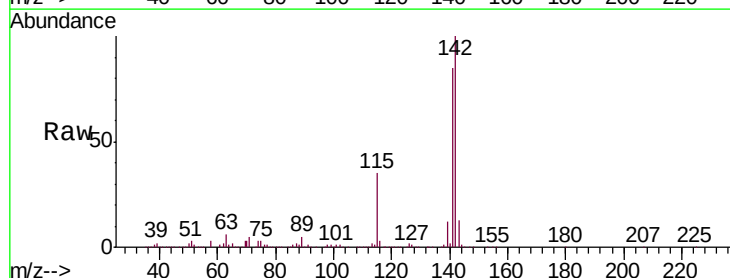
Tgt Ion:142 Resp: 2129398

Ion Ratio Lower Upper

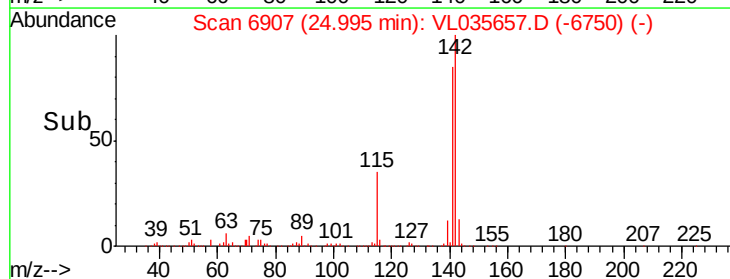
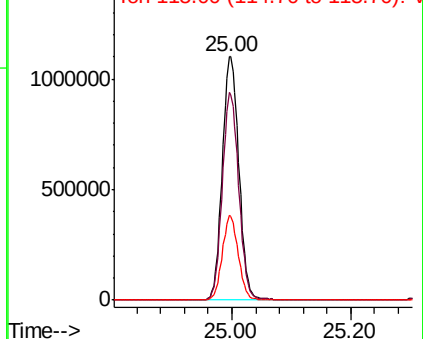
142 100

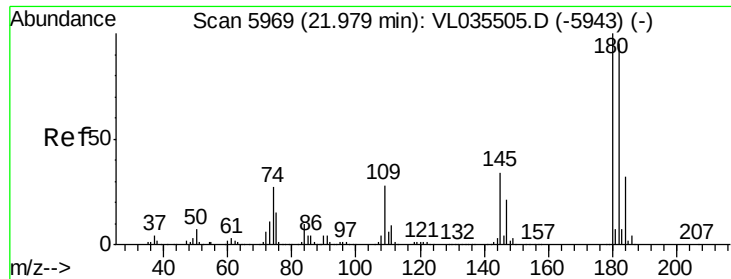
141 84.6 67.6 101.4

115 33.3 25.8 38.8



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

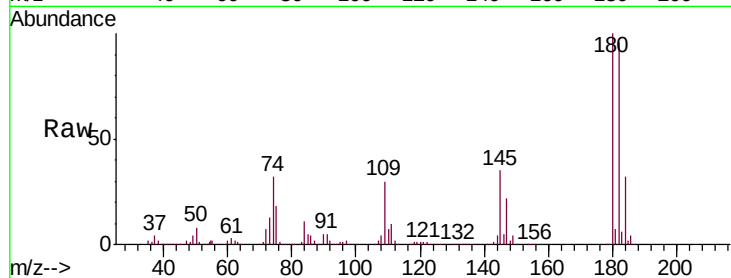




#81
 1,2,4-Trichlorobenzene
 Concen: 7.008 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. 0.01 min
 Lab File: VL035657.D
 Acq: 17 Sep 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Tgt Ion:180 Resp: 3013235
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 184 31.2 25.3 37.9



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

