

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035758.D
 Acq On : 12 Oct 2020 12:01
 Operator : SY/AP
 Sample : VL1012ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Quant Time: Oct 13 00:02:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.66	49	1145462	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4422054	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	5527996	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3249730	7.85	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1615460	8.595	ppbv 99
3) Chlorodifluoromethane	2.97	51	1235247	10.024	ppbv 99
4) Chloromethane	3.12	50	664418	10.037	ppbv 100
5) Vinyl Chloride	3.24	62	784864	10.024	ppbv 99
6) Bromomethane	3.46	94	652943	9.865	ppbv 97
7) Chloroethane	3.54	64	289437	10.079	ppbv 99
8) Dichlorotetrafluoroethane	3.17	85	2173633	9.535	ppbv 100
9) Propene	2.99	41	472212	10.554	ppbv 99
10) Heptane	8.12	43	1382014	11.080	ppbv 100
11) Trichlorofluoromethane	3.93	101	2611755	9.739	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1936805	9.688	ppbv 100
13) Ethanol	3.60	45	94496	8.564	ppbv 97
14) Bromoethene	3.73	108	862214	10.239	ppbv 100
15) Acetone	3.83	43	1088362	8.830	ppbv 100
16) 1,3-Butadiene	3.31	39	490859	10.886	ppbv 100
17) tert-Butyl alcohol	4.29	59	1400716	10.433	ppbv 100
18) 1,1-Dichloroethene	4.28	96	900672	10.290	ppbv 100
19) Isopropyl Alcohol	3.96	45	676440	10.089	ppbv 98
20) Methylene Chloride	4.33	84	743083	8.208	ppbv 98
21) Allyl Chloride	4.40	41	642261	10.750	ppbv 100
22) trans-1,2-Dichloroethene	4.87	96	944379	10.213	ppbv 97
23) Vinyl Acetate	5.06	43	1682633	11.146	ppbv 100
24) 1,1-Dichloroethane	5.00	63	1621855	9.863	ppbv 99
25) Ethyl Acetate	5.67	43	2244872	10.122	ppbv 100
26) Hexane	5.68	57	1245238	10.246	ppbv 99
27) Carbon Disulfide	4.54	76	2010795	11.100	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	2142162	11.119	ppbv 99
29) Chloroform	5.74	83	2476091	10.033	ppbv 100
30) Cyclohexane	7.12	84	1344691	11.214	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1320657	11.257	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	2400975	11.036	ppbv 100
34) 2-Butanone	5.24	43	1538254	10.517	ppbv 100
35) Carbon Tetrachloride	7.01	117	2471560	10.720	ppbv 98
36) Benzene	6.89	78	3106420	10.781	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1541916	10.267	ppbv 100
38) Trichloroethene	7.83	130	1539829	10.713	ppbv 100
39) 1,2-Dichloropropane	7.61	63	1076846	10.311	ppbv 98
40) 1,4-Dioxane	7.82	88	500476	10.478	ppbv 94
41) Tetrahydrofuran	6.04	42	871209	11.823	ppbv 99
42) Bromodichloromethane	7.79	83	2582699	10.676	ppbv 99
43) Methyl Methacrylate	8.01	69	1318312	11.504	ppbv 99

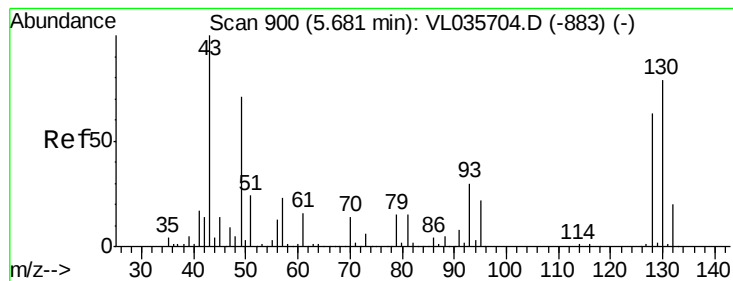
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035758.D
 Acq On : 12 Oct 2020 12:01
 Operator : SY/AP
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4218390	10.202	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1476139	12.758	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1758399	12.329	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1507802	10.079	ppbv	98
48) Dibromochloromethane	10.30	129	2529548	11.110	ppbv	100
49) Bromoform	13.05	173	2266694	11.733	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2297873	10.756	ppbv	100
51) 2-Hexanone	10.13	43	1930505	11.216	ppbv	99
52) Tetrachloroethene	11.22	164	1446191	10.437	ppbv	96
53) Toluene	9.81	91	3876864	11.410	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2351829	10.499	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1970917	8.503	ppbv	96
57) Chlorobenzene	12.15	112	3249497	7.783	ppbv	99
58) Ethyl Benzene	12.71	91	5051839	9.105	ppbv	99
59) m/p-Xylene	13.00	91	4625699	9.547	ppbv #	41
60) o-Xylene	13.70	91	4207582	8.584	ppbv	100
61) Styrene	13.53	104	3284555	9.691	ppbv	100
62) Isopropylbenzene	14.67	105	6311468	8.302	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3071578	7.642	ppbv	100
64) n-propylbenzene	15.57	120	1936942	8.705	ppbv	99
65) tert-Butylbenzene	16.76	119	5829188	8.433	ppbv	100
66) Benzyl Chloride	17.00	91	2154026	10.286	ppbv	100
67) sec-Butylbenzene	17.30	105	7778376	8.149	ppbv	100
69) p-Isopropyltoluene	17.66	119	6538427	8.420	ppbv	99
70) n-Butylbenzene	18.56	91	6501882	8.131	ppbv	99
71) 2-Chlorotoluene	15.46	91	4856535	8.758	ppbv	100
72) 4-Ethyltoluene	15.85	105	5134844	8.843	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4785550	8.722	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4972599	8.039	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3273351	7.751	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3281803	8.130	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3214042	8.058	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1739651	7.906	ppbv	100
79) Naphthalene	22.21	128	4782644	8.107	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1213256	8.719	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2497414	8.169	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035758.D

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ClientSampleId :

VL1012ABS01

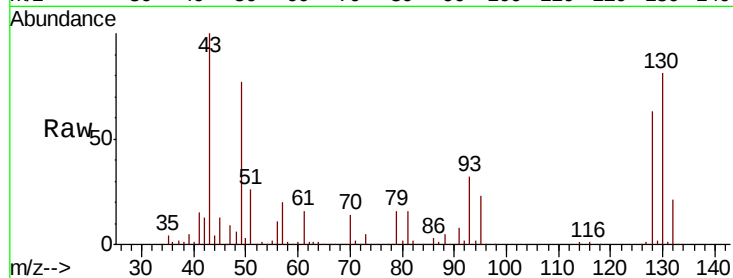
Tot Ion: 49 Resp: 1145462

Ion Ratio Lower Upper

49 100

128 84.9 43.1 129.4

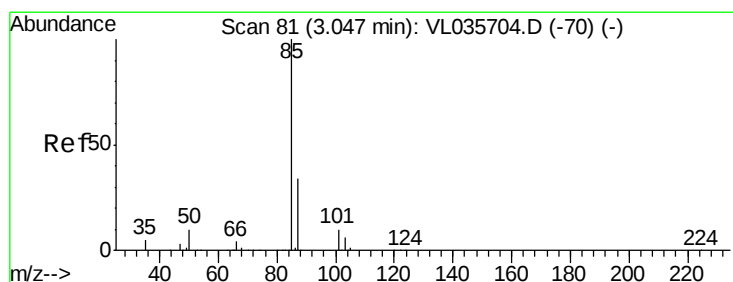
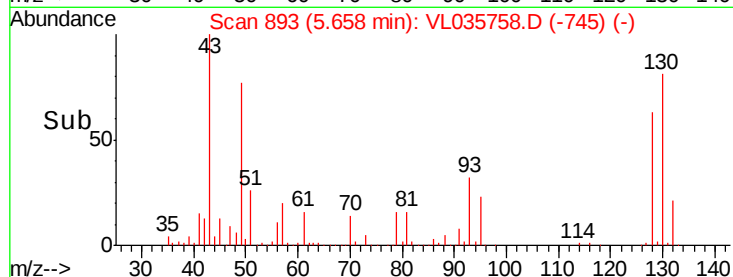
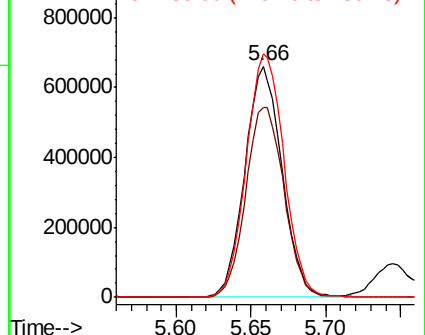
130 107.7 54.9 164.7



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: 8.595 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL035758.D

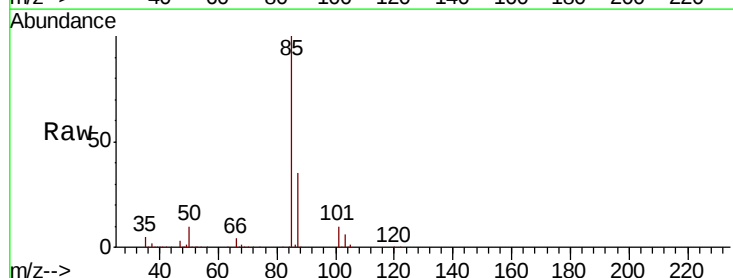
Acq: 12 Oct 2020 12:01

Tgt Ion: 85 Resp: 1615460

Ion Ratio Lower Upper

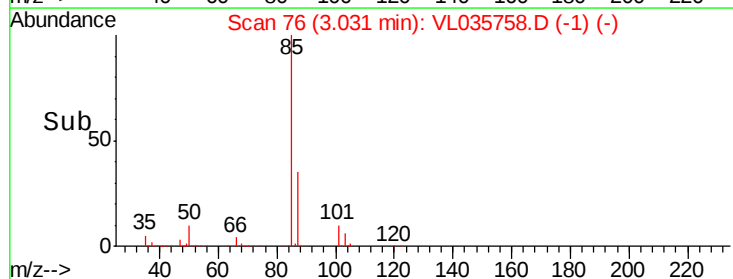
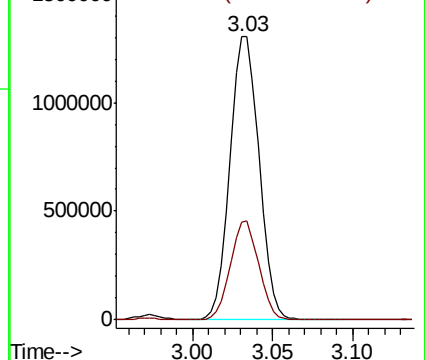
85 100

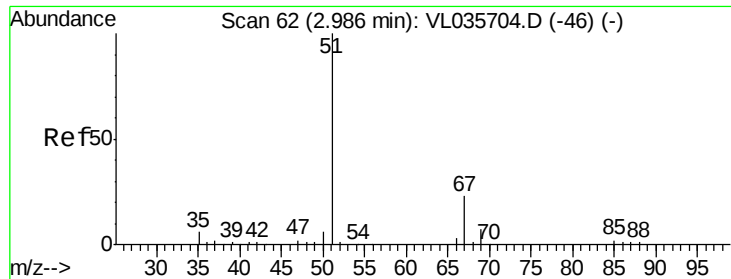
87 34.6 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.024 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

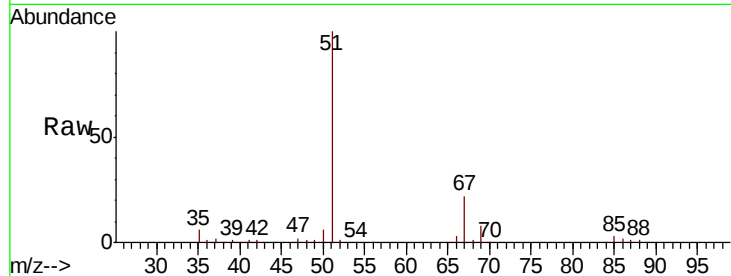
VL1012ABS01

Tot Ion: 51 Resp: 1235247

Ion Ratio Lower Upper

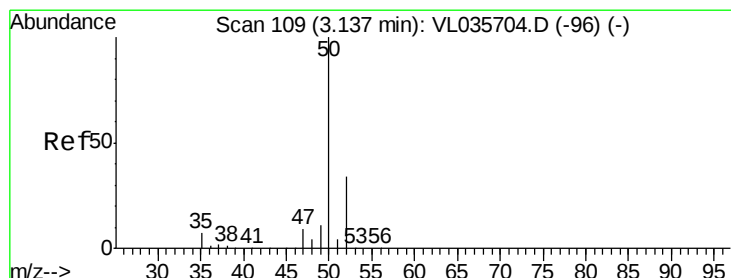
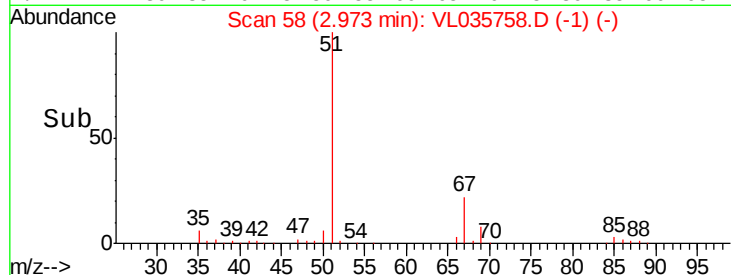
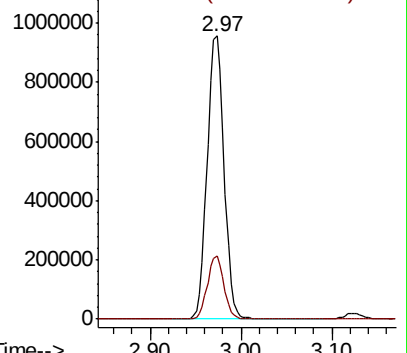
51 100

67 21.9 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: 10.037 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035758.D

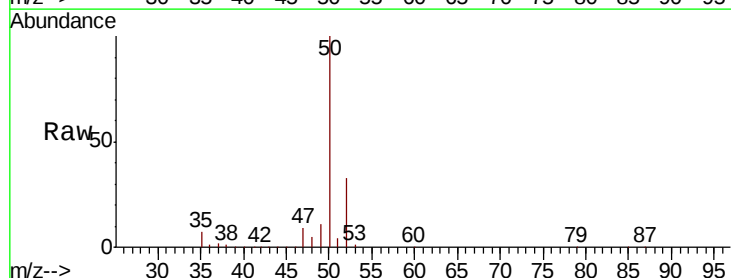
Acq: 12 Oct 2020 12:01

Tgt Ion: 50 Resp: 664418

Ion Ratio Lower Upper

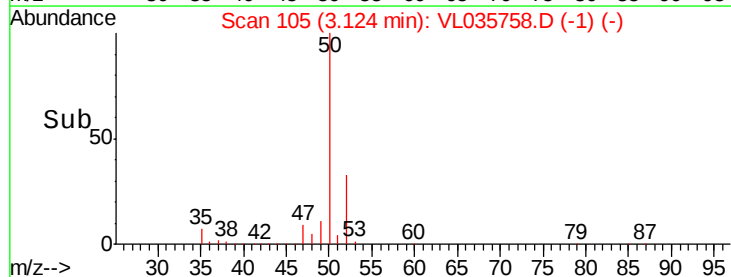
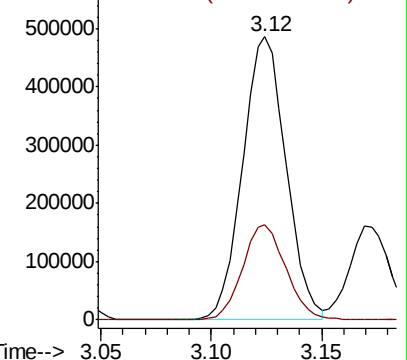
50 100

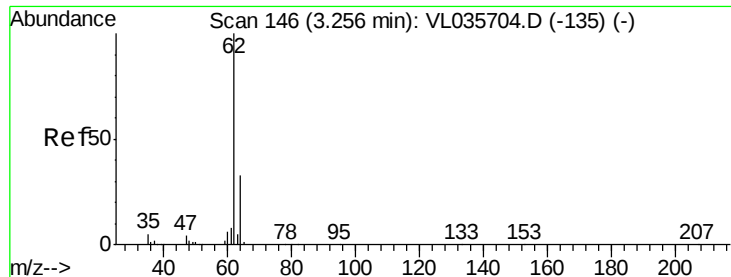
52 33.4 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.024 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

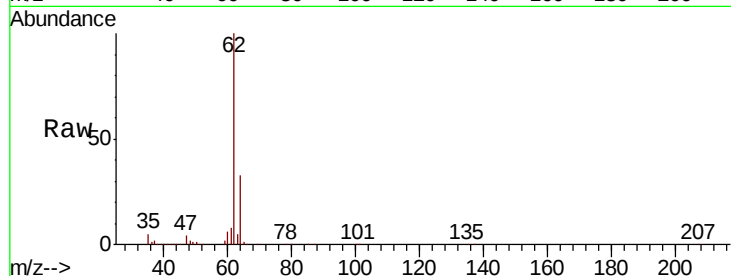
VL1012ABS01

Tot Ion: 62 Resp: 784864

Ion Ratio Lower Upper

62 100

64 32.8 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

600000

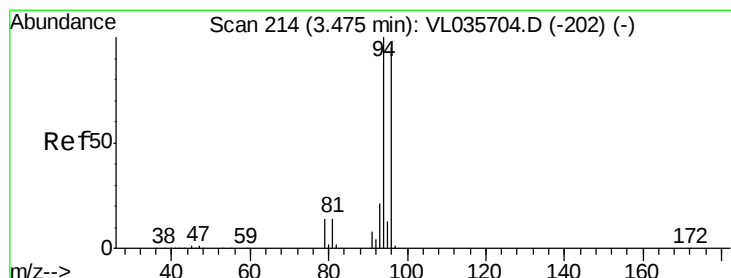
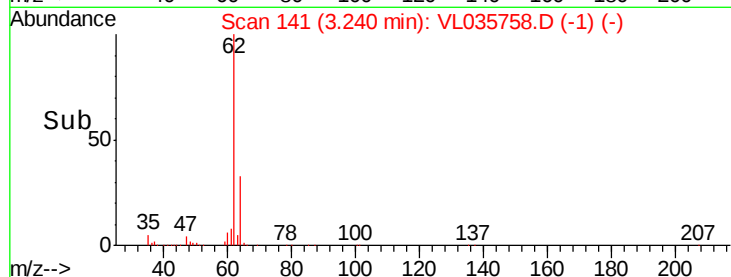
400000

200000

0

Time-->

3.20 3.25 3.30



#6

Bromomethane

Concen: 9.865 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL035758.D

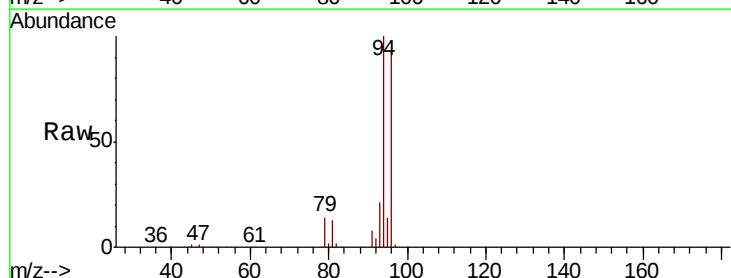
Acq: 12 Oct 2020 12:01

Tgt Ion: 94 Resp: 652943

Ion Ratio Lower Upper

94 100

96 92.7 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

500000

400000

300000

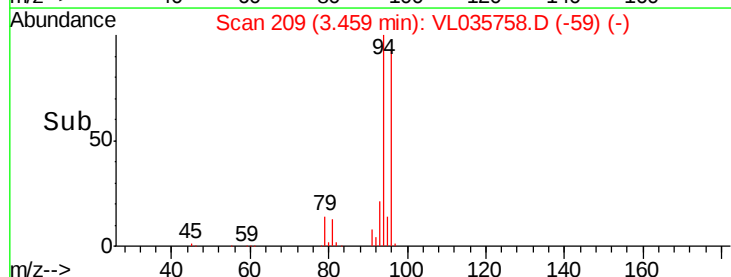
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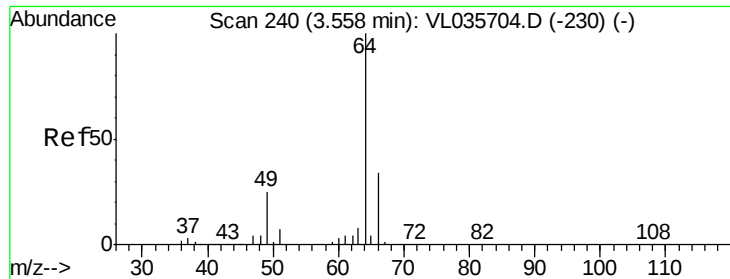
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Time-->

3.40 3.45 3.50





#7

Chloroethane

Concen: 10.079 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

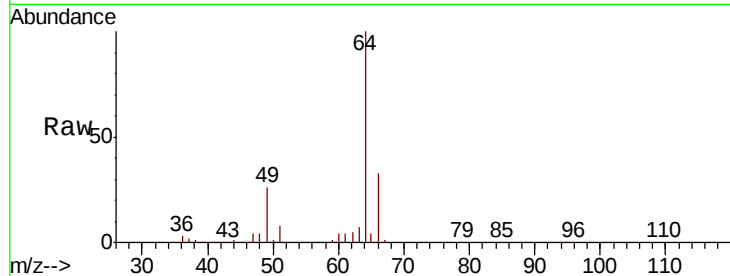
VL1012ABS01

Tot Ion: 64 Resp: 289437

Ion Ratio Lower Upper

64 100

66 33.1 26.9 40.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

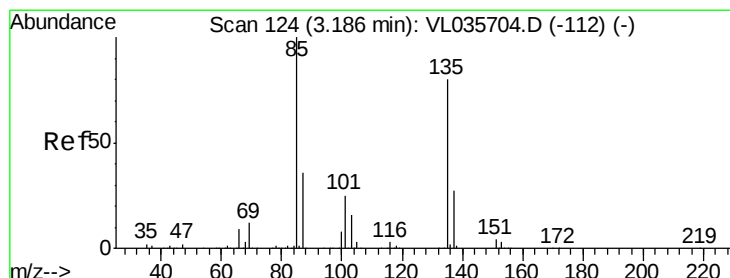
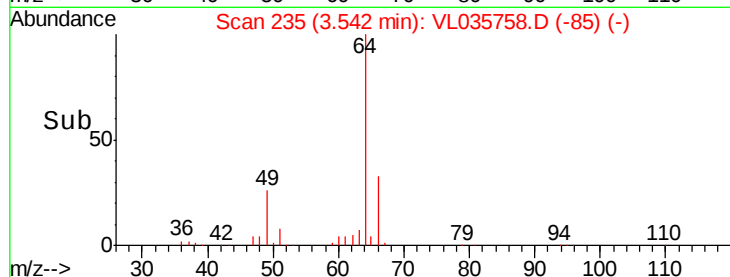
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.535 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL035758.D

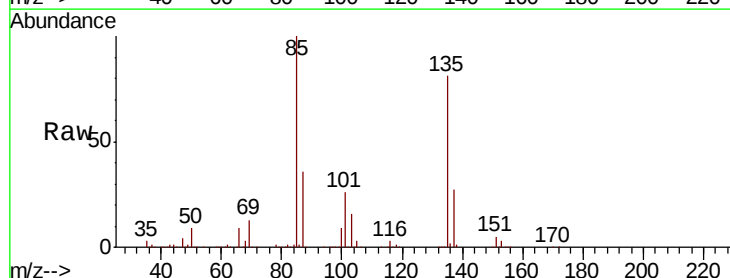
Acq: 12 Oct 2020 12:01

Tgt Ion: 85 Resp: 2173633

Ion Ratio Lower Upper

85 100

135 80.3 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

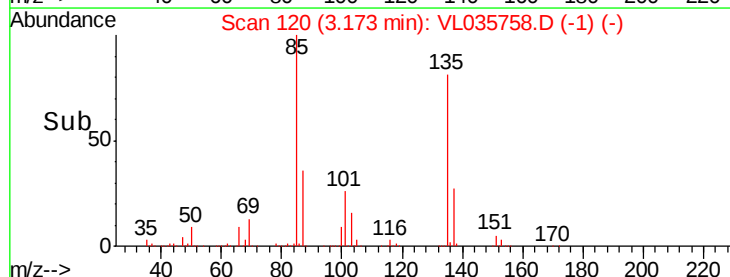
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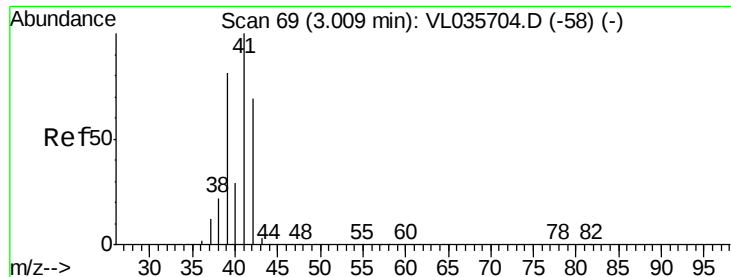
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500000

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Time-->





#9

Propene

Concen: 10.554 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

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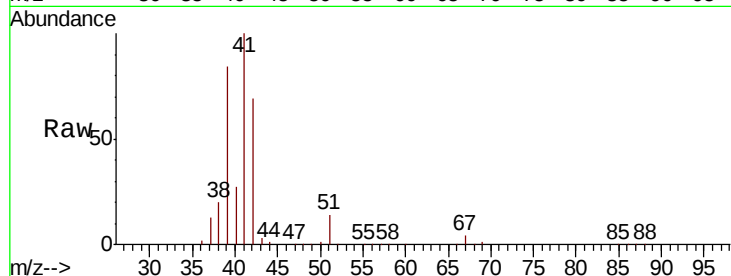
VL1012ABS01

Tot Ion: 41 Resp: 472212

Ion Ratio Lower Upper

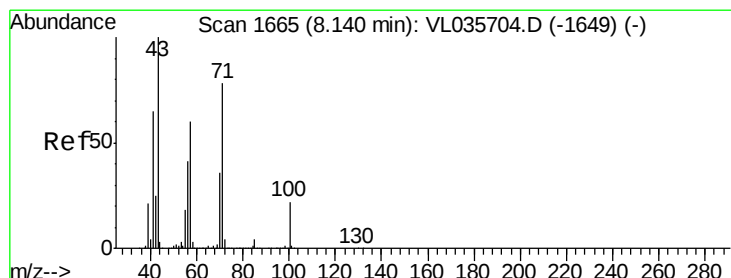
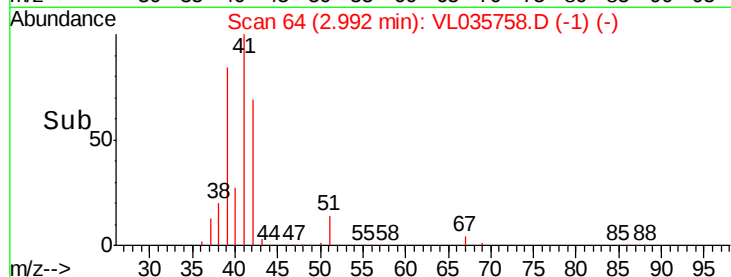
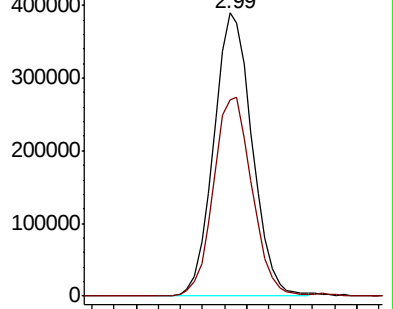
41 100

42 71.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.080 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL035758.D

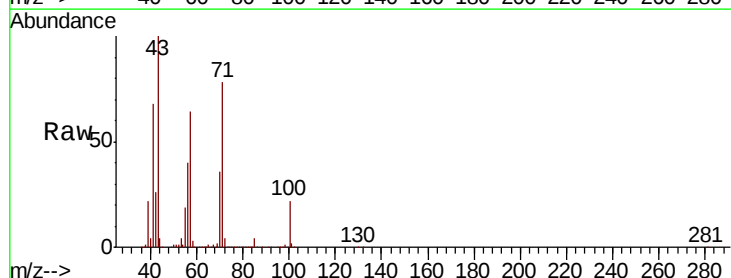
Acq: 12 Oct 2020 12:01

Tgt Ion: 43 Resp: 1382014

Ion Ratio Lower Upper

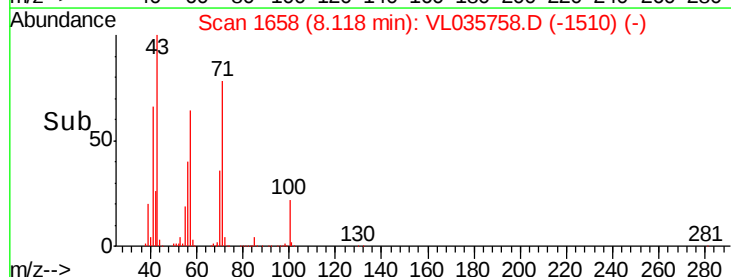
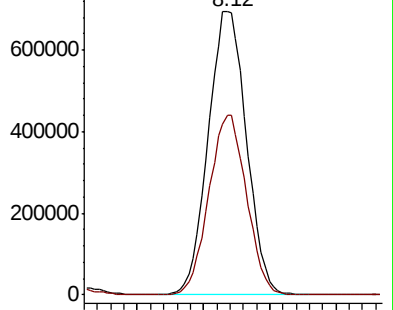
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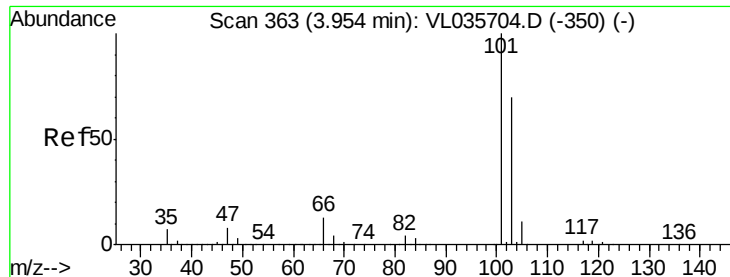
57 62.9 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

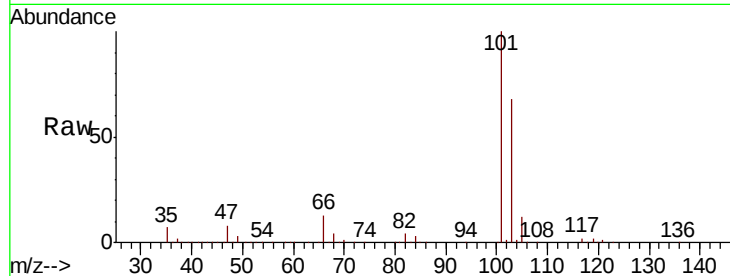




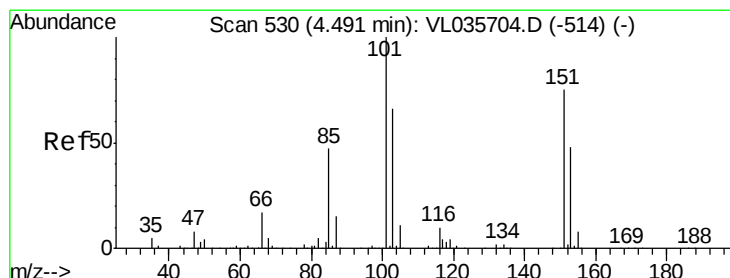
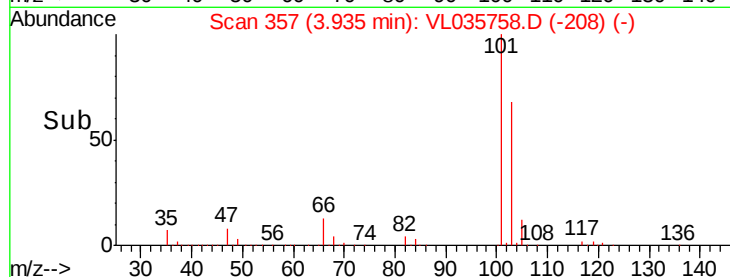
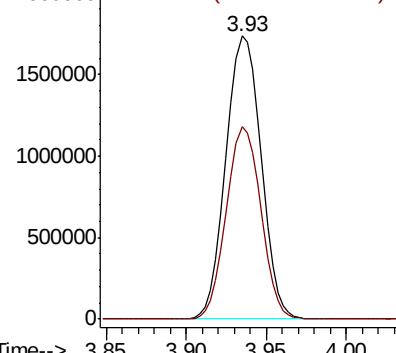
#11
 Trichlorofluoromethane
 Concen: 9.739 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion:101 Resp: 2611755
 Ion Ratio Lower Upper
 101 100
 103 68.1 55.6 83.4

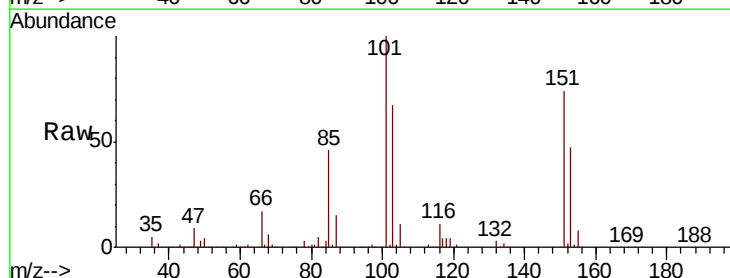


Abundance Ion 101.00 (100.70 to 101.70): V
 2000000 Ion 103.00 (102.70 to 103.70): V

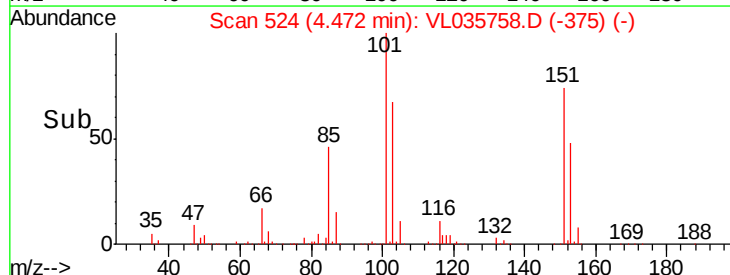
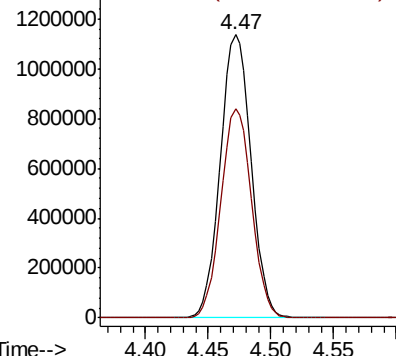


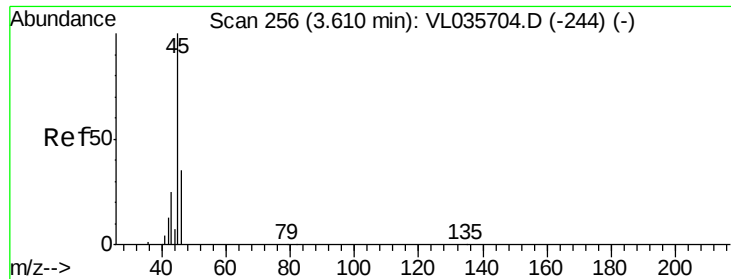
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.688 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion:101 Resp: 1936805
 Ion Ratio Lower Upper
 101 100
 151 73.9 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V
 1200000 Ion 151.00 (150.70 to 151.70): V

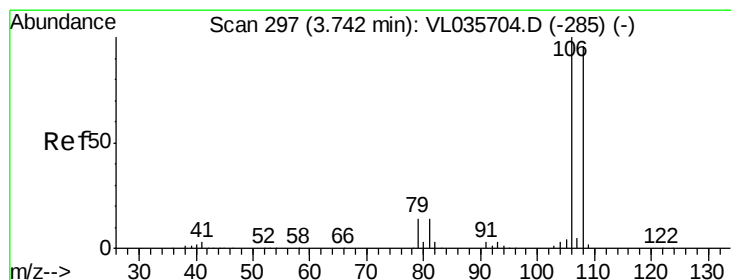
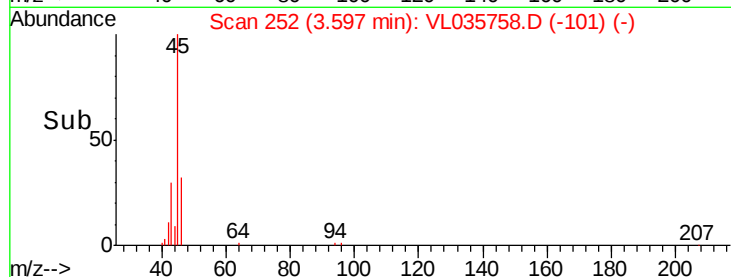
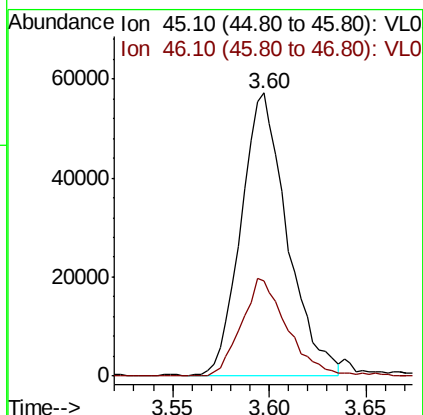
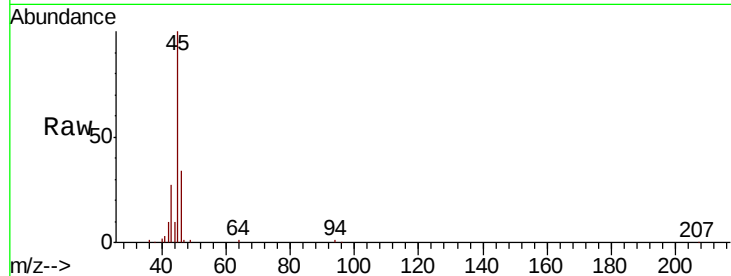




#13
Ethanol
Concen: 8.564 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

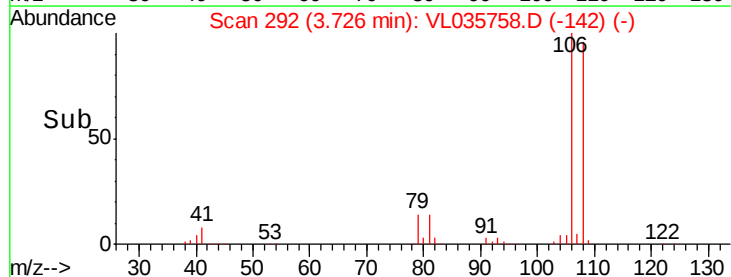
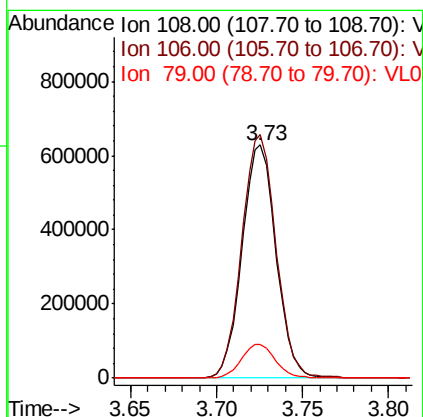
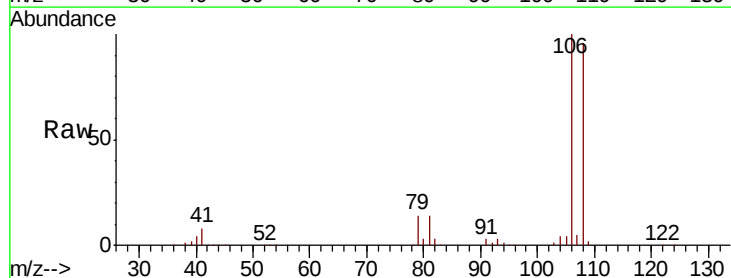
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

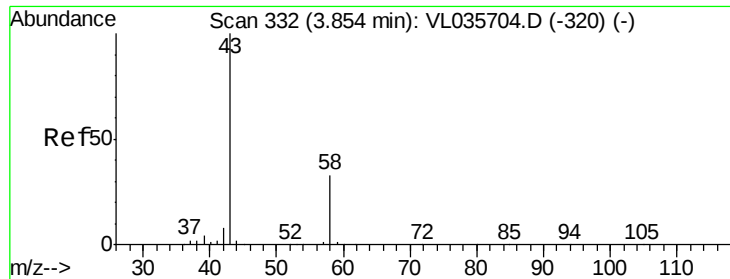
Tot Ion: 45 Resp: 94496
Ion Ratio Lower Upper
45 100
46 35.0 14.7 58.7



#14
Bromoethene
Concen: 10.239 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 108 Resp: 862214
Ion Ratio Lower Upper
108 100
106 105.6 84.6 126.8
79 14.7 11.6 17.4





#15

Acetone

Concen: 8.830 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

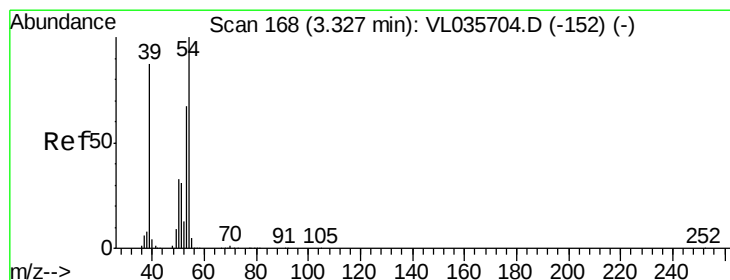
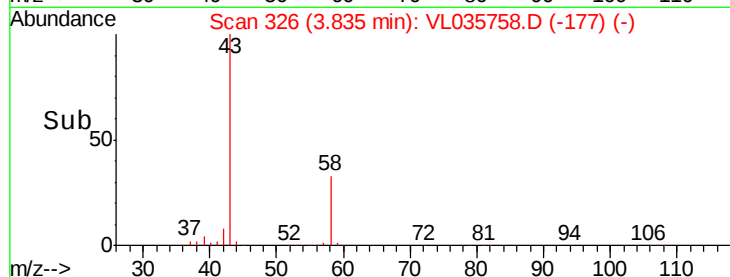
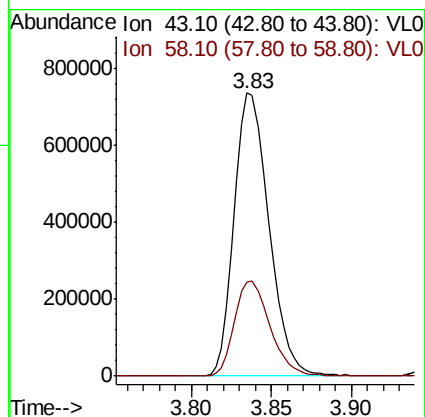
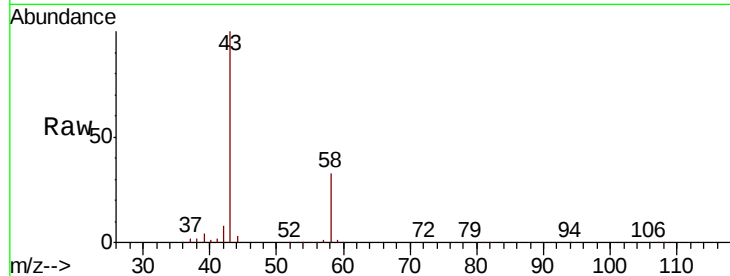
VL1012ABS01

Tot Ion: 43 Resp: 1088362

Ion Ratio Lower Upper

43 100

58 34.4 27.3 40.9



#16

1,3-Butadiene

Concen: 10.886 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL035758.D

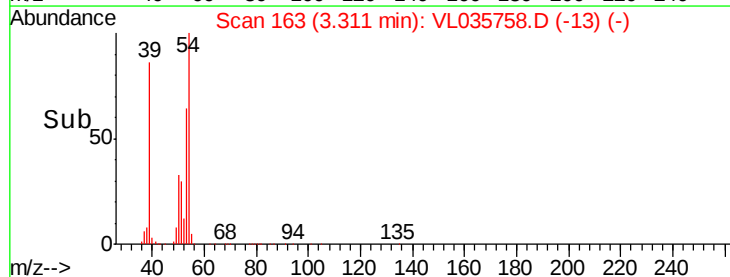
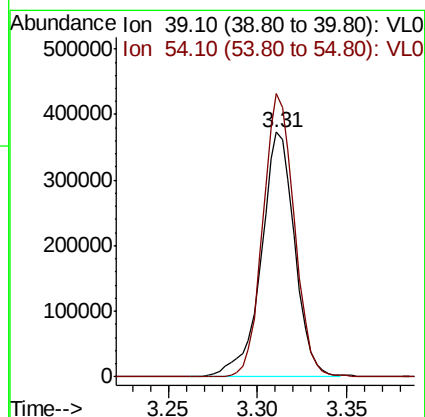
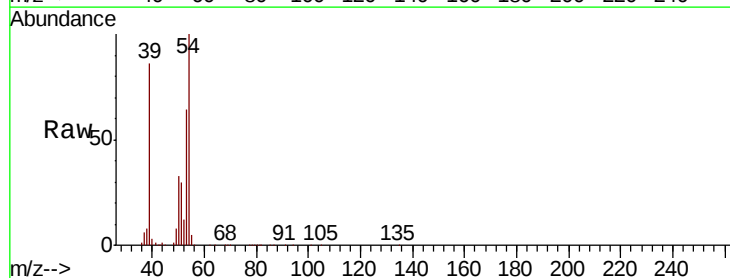
Acq: 12 Oct 2020 12:01

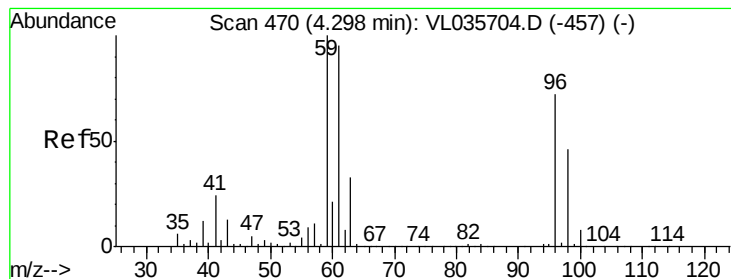
Tgt Ion: 39 Resp: 490859

Ion Ratio Lower Upper

39 100

54 109.0 87.4 131.0





#17

tert-Butyl alcohol

Concen: 10.433 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

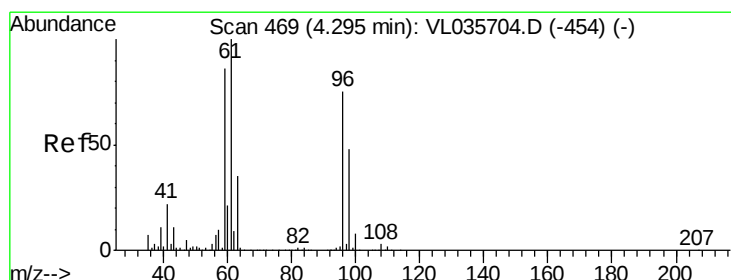
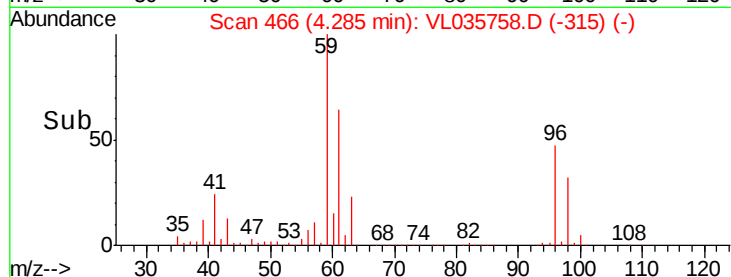
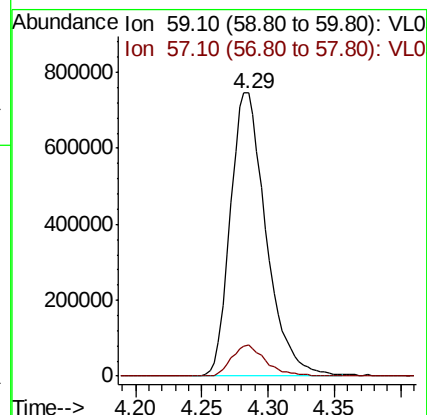
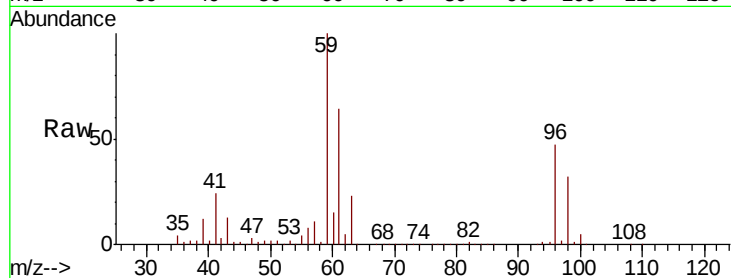
VL1012ABS01

Tot Ion: 59 Resp: 1400716

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.290 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

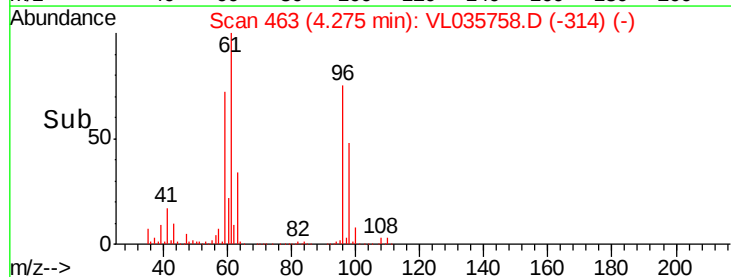
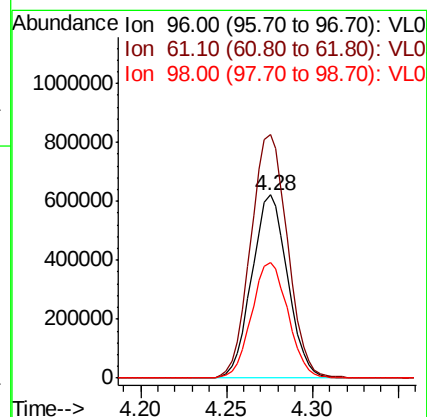
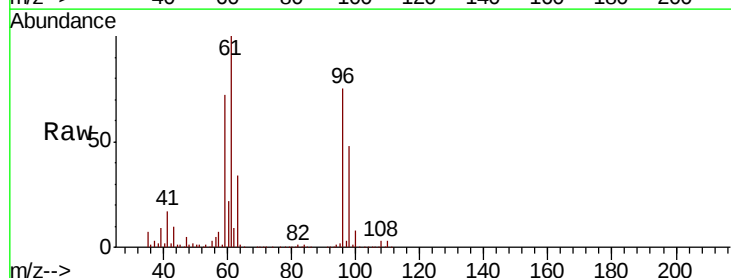
Tgt Ion: 96 Resp: 900672

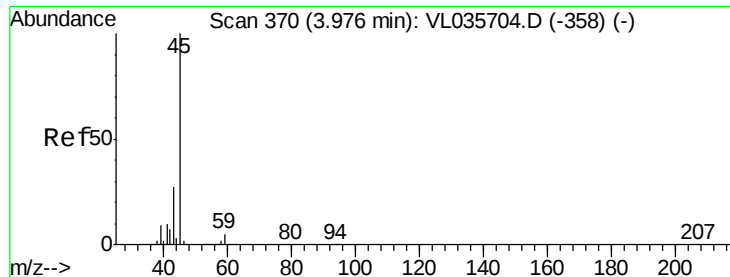
Ion Ratio Lower Upper

96 100

61 133.0 106.7 160.1

98 63.5 50.8 76.2





#19

Isopropyl Alcohol

Concen: 10.089 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

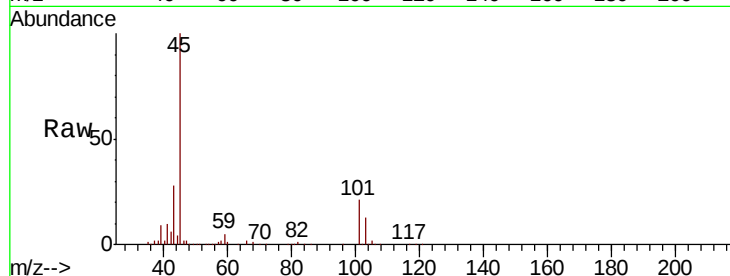
VL1012ABS01

Tot Ion: 45 Resp: 676440

Ion Ratio Lower Upper

45 100

58 3.0 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

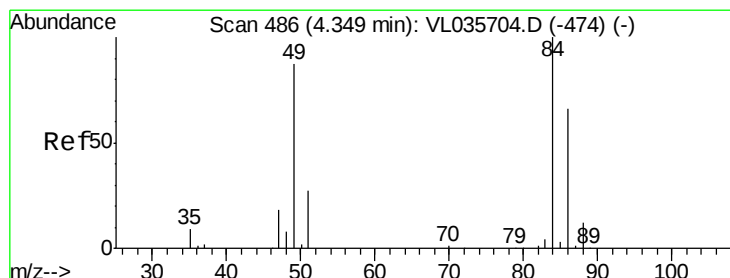
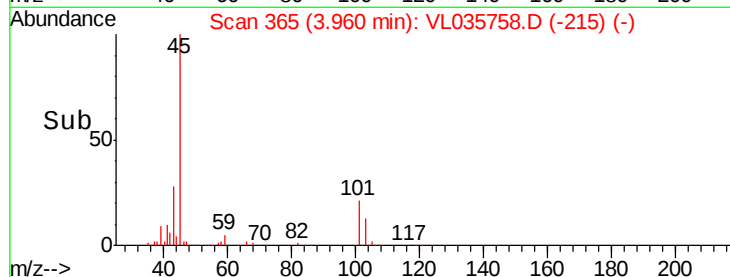
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.208 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion: 84 Resp: 743083

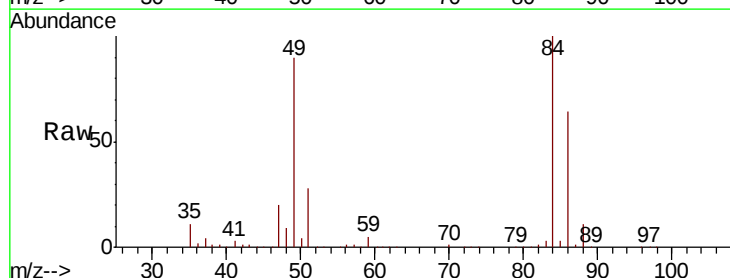
Ion Ratio Lower Upper

84 100

49 89.8 69.8 104.6

51 28.4 21.8 32.8

86 64.5 52.6 78.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

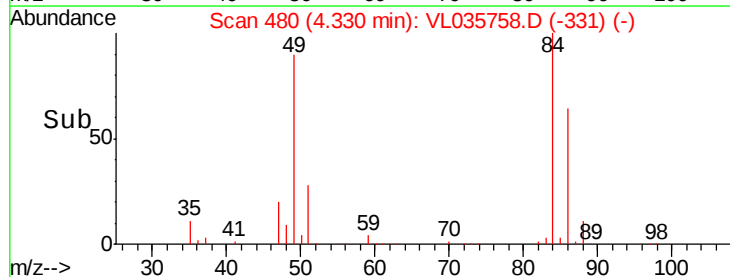
600000

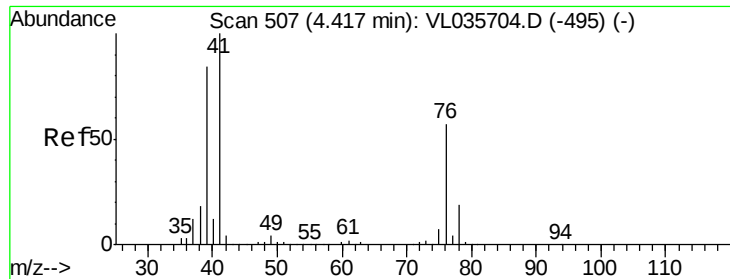
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.750 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

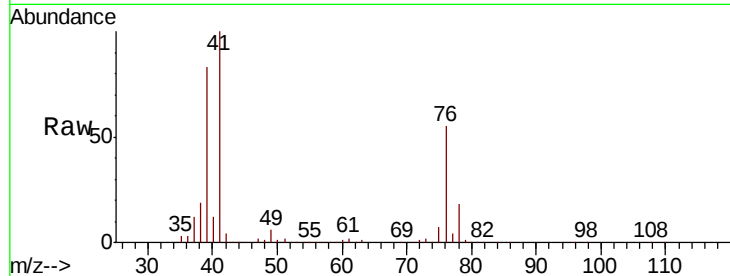
Tot Ion: 41 Resp: 642261

Ion Ratio Lower Upper

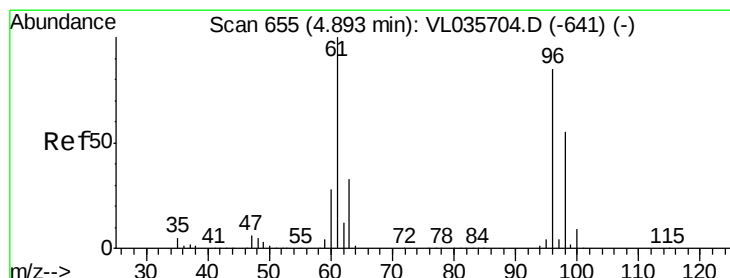
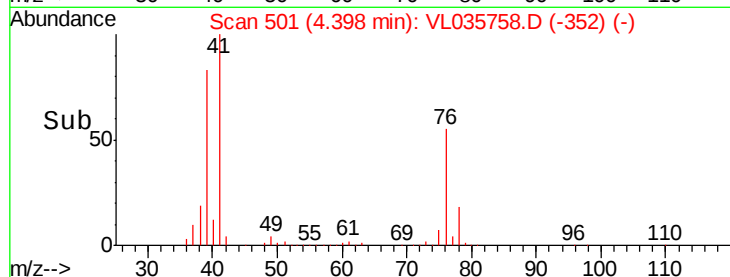
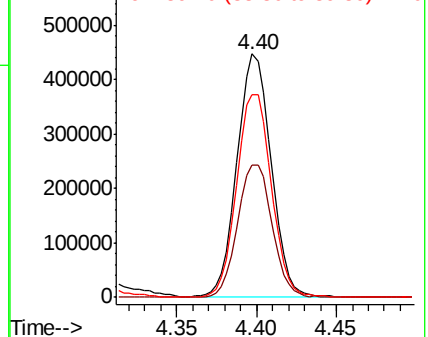
41 100

76 55.7 44.8 67.2

39 85.9 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: 10.213 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

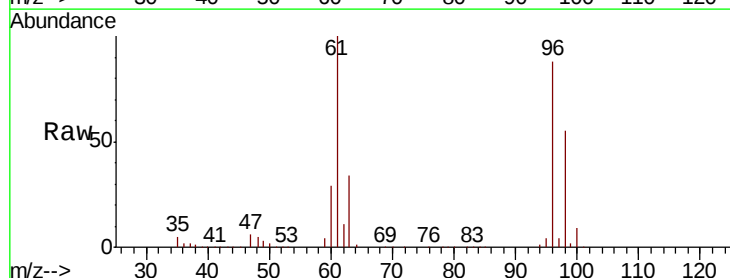
Tgt Ion: 96 Resp: 944379

Ion Ratio Lower Upper

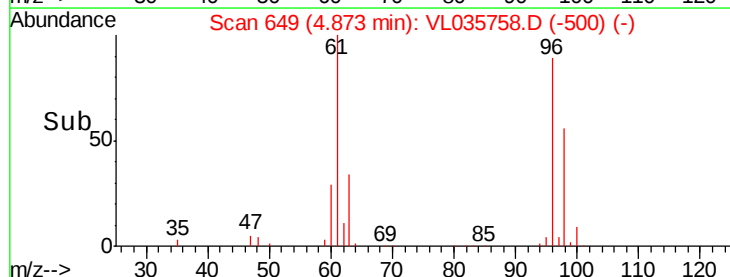
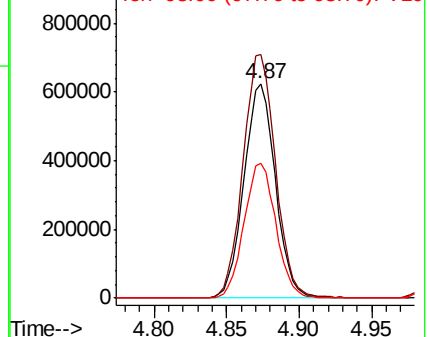
96 100

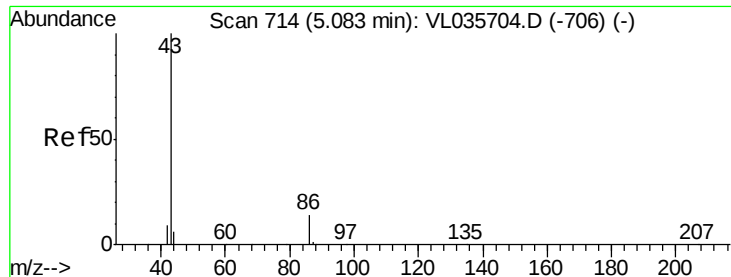
61 113.4 93.7 140.5

98 62.6 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: 11.146 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 43 Resp: 1682633

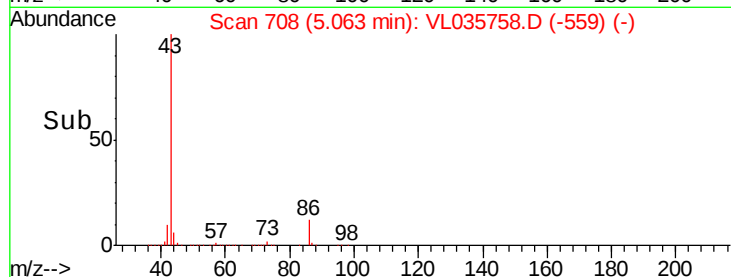
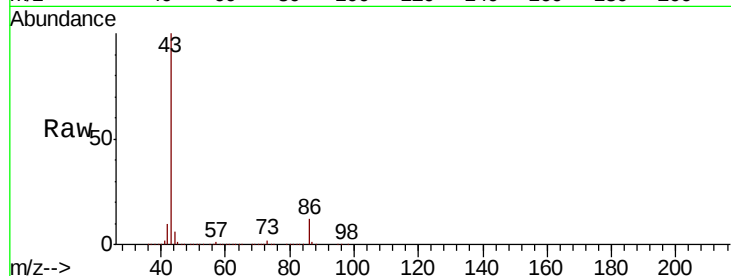
Ion Ratio Lower Upper

43 100

86 12.3 9.7 14.5

42 9.6 7.9 11.9

44 5.9 4.8 7.2

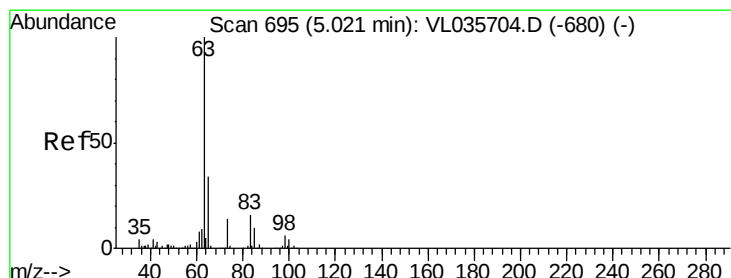
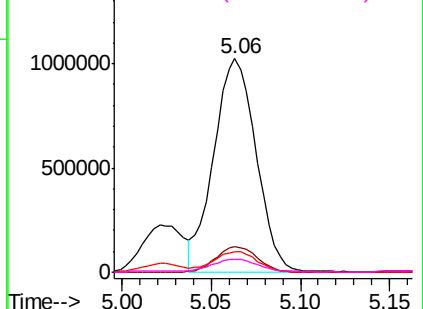


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.863 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

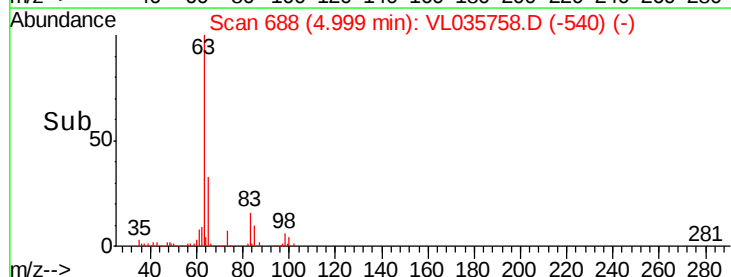
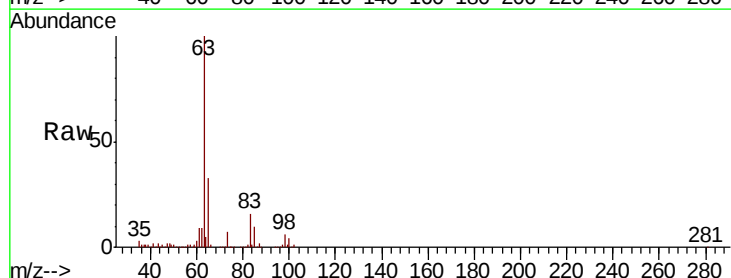
Tgt Ion: 63 Resp: 1621855

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

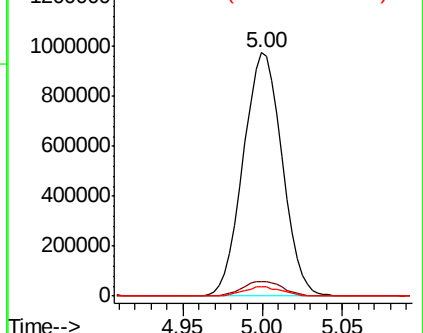
100 3.8 2.0 5.8

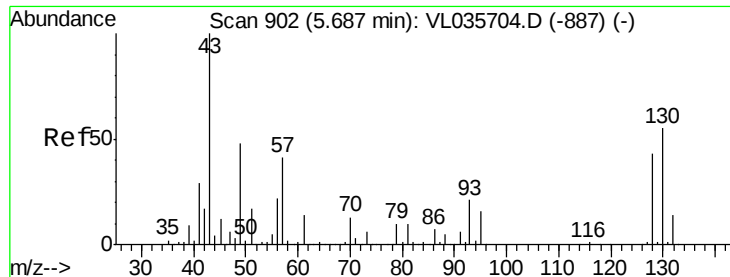


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



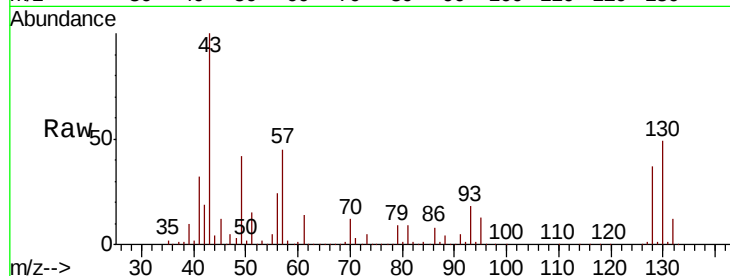


#25
Ethyl Acetate
Concen: 10.122 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion: 43 Resp: 2244872

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	12.9	10.4	15.6
70	11.2	8.9	13.3



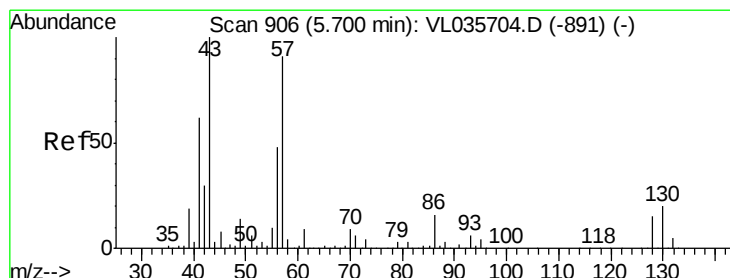
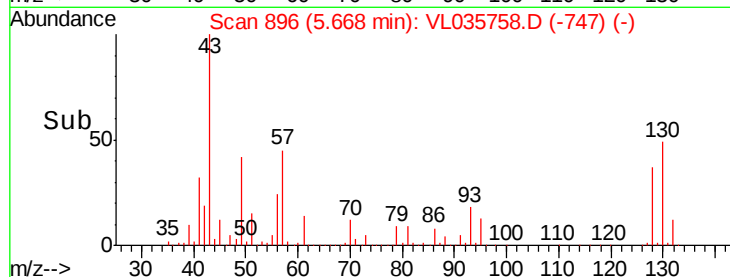
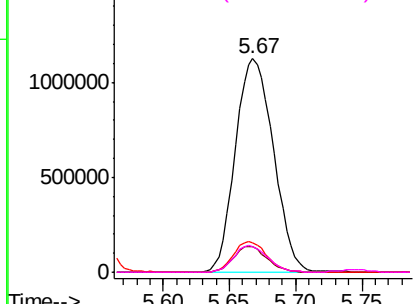
Abundance

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

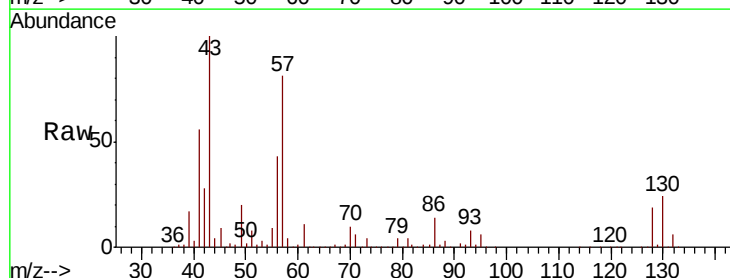
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.246 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 57 Resp: 1245238

Ion	Ratio	Lower	Upper
57	100		
41	73.7	57.9	86.9
43	180.8	143.8	215.6
56	53.0	43.0	64.6



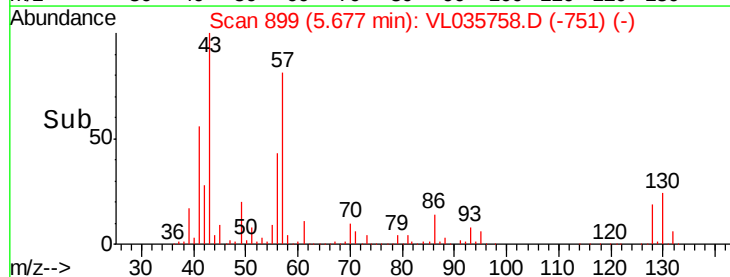
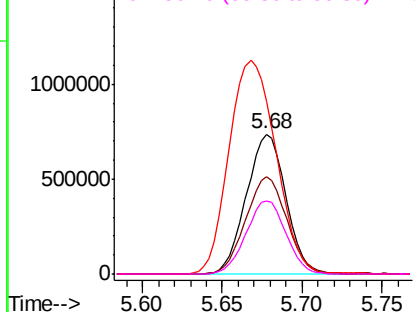
Abundance

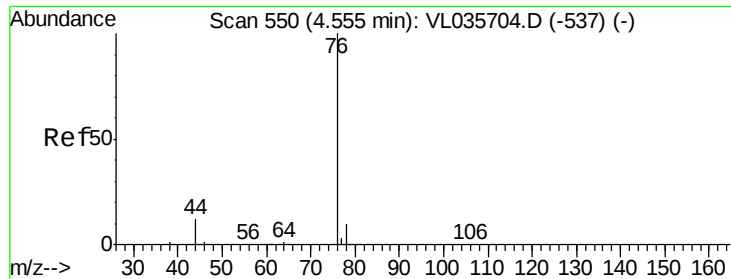
Ion 57.10 (56.80 to 57.80): VL0

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: 11.100 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

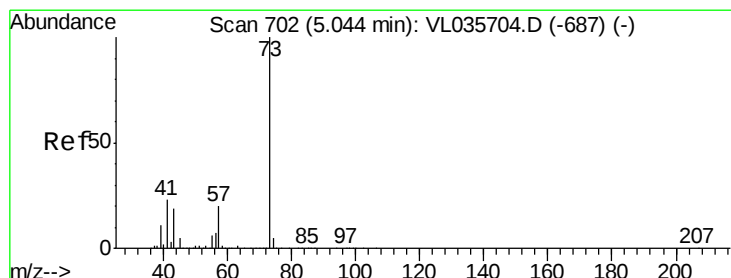
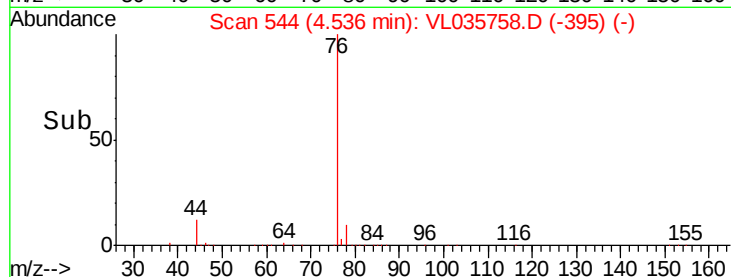
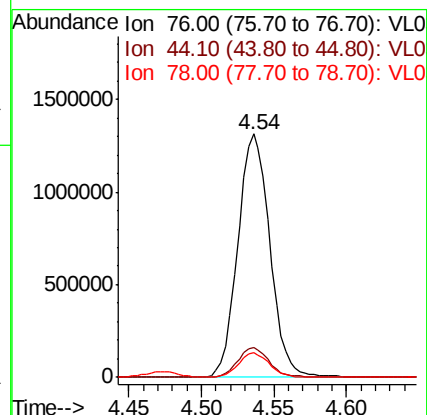
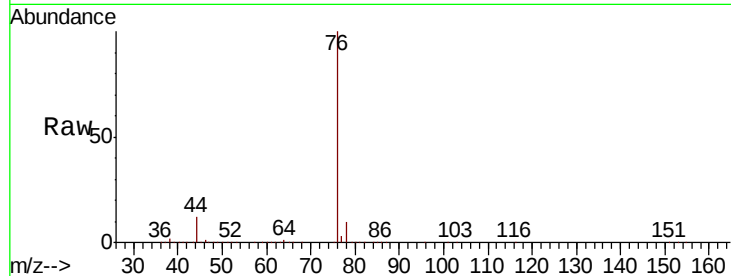
Tot Ion: 76 Resp: 2010795

Ion Ratio Lower Upper

76 100

44 11.8 9.7 14.5

78 10.0 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 11.119 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035758.D

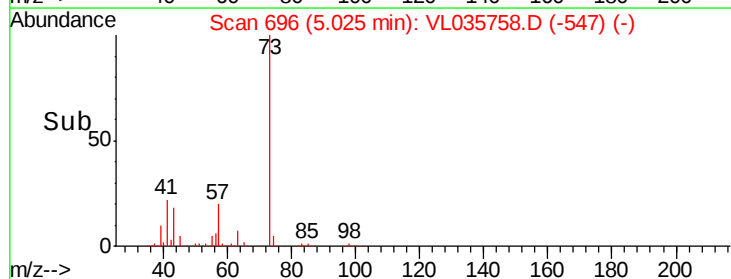
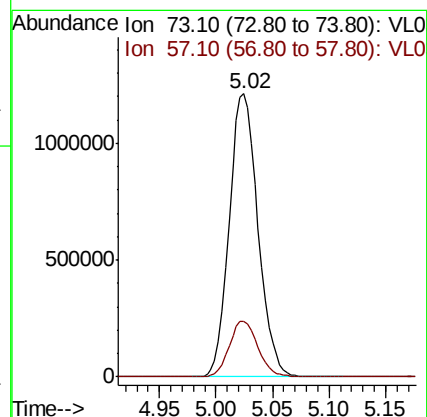
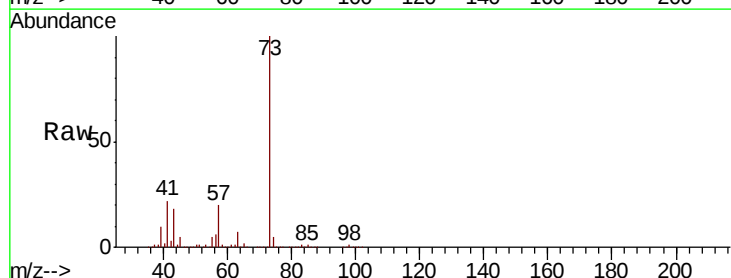
Acq: 12 Oct 2020 12:01

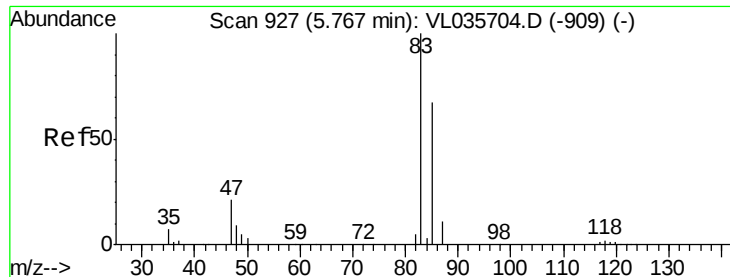
Tgt Ion: 73 Resp: 2142162

Ion Ratio Lower Upper

73 100

57 19.8 15.6 23.4

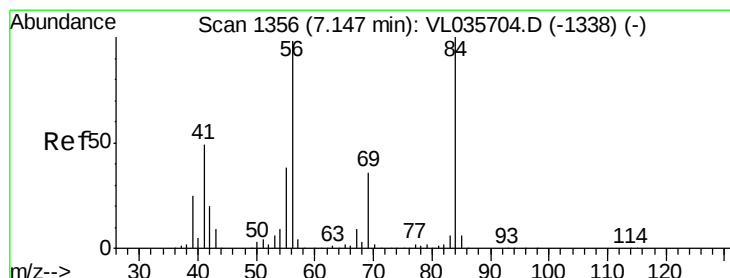
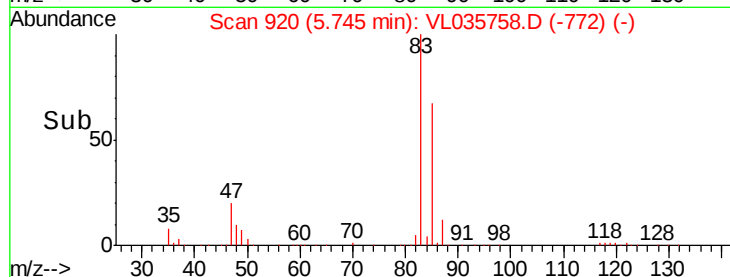
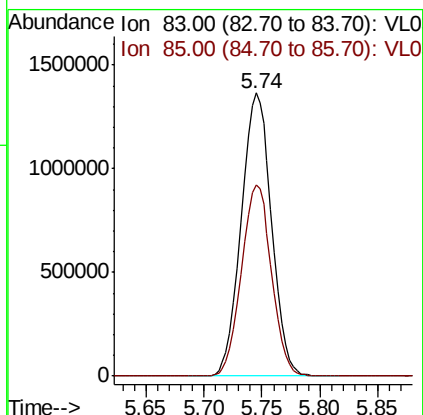
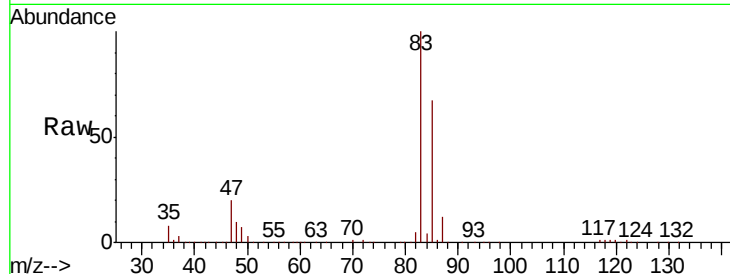




#29
Chloroform
Concen: 10.033 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

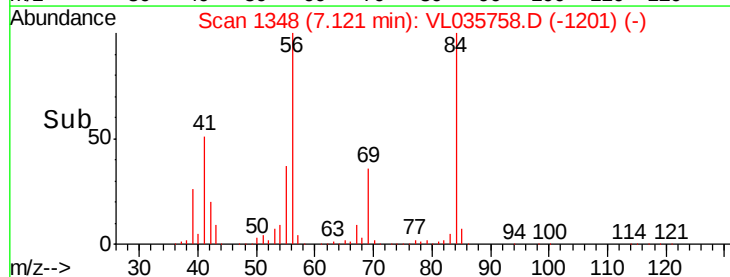
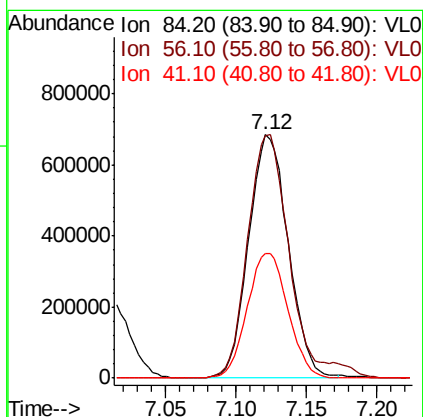
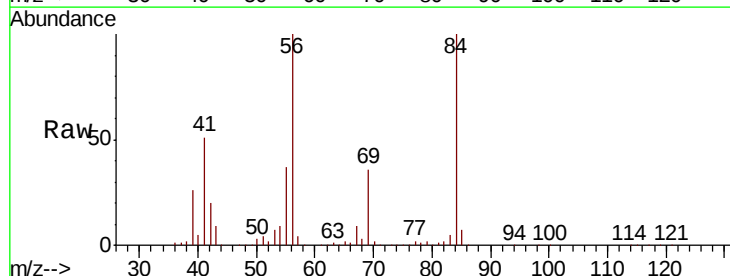
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

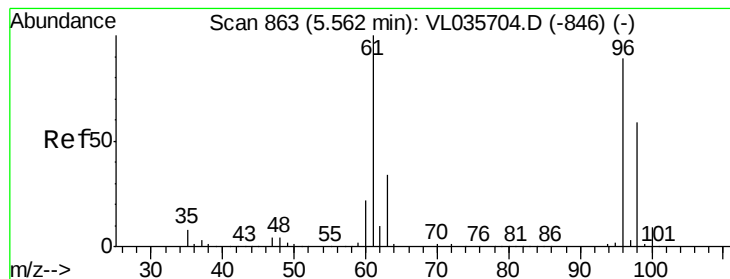
Tot Ion: 83 Resp: 2476091
Ion Ratio Lower Upper
83 100
85 67.3 54.0 81.0



#30
Cyclohexane
Concen: 11.214 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 84 Resp: 1344691
Ion Ratio Lower Upper
84 100
56 106.6 84.6 127.0
41 52.8 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 11.257 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

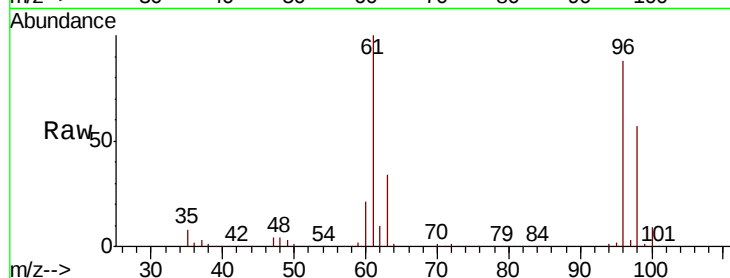
Tot Ion: 61 Resp: 1320657

Ion Ratio Lower Upper

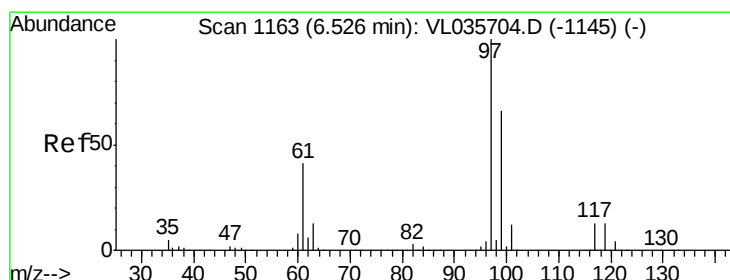
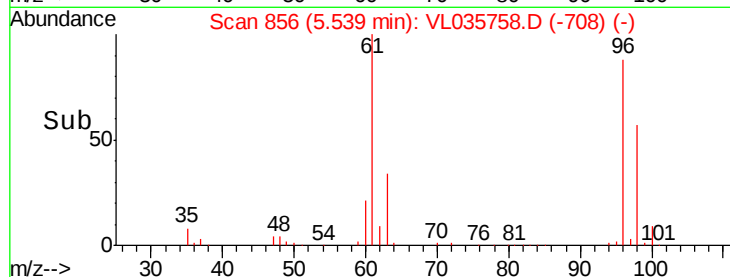
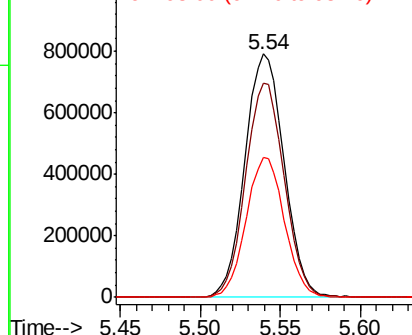
61 100

96 88.0 71.4 107.2

98 57.2 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: 11.036 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

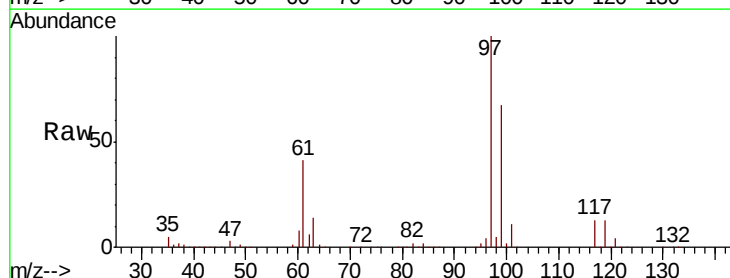
Tgt Ion: 97 Resp: 2400975

Ion Ratio Lower Upper

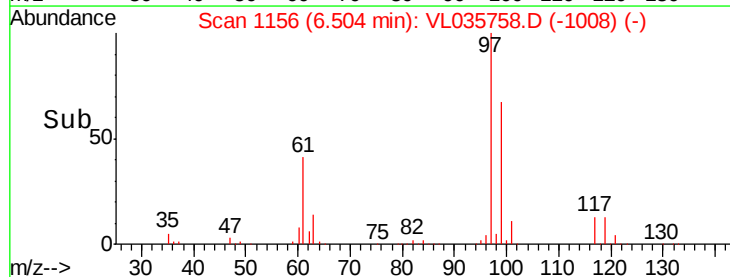
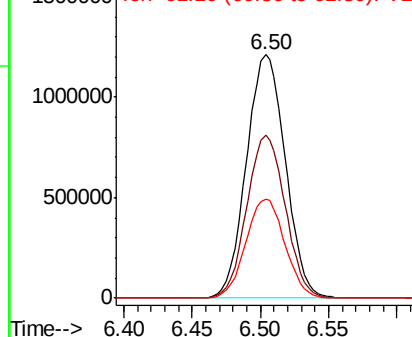
97 100

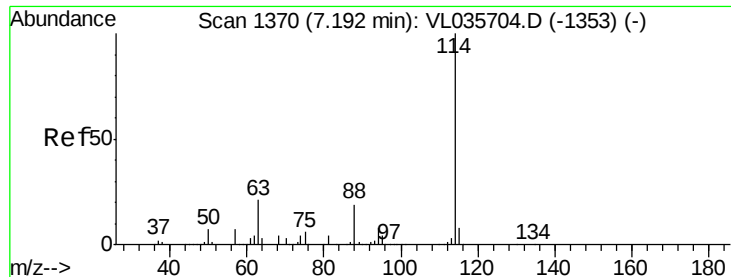
99 66.3 52.7 79.1

61 40.9 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

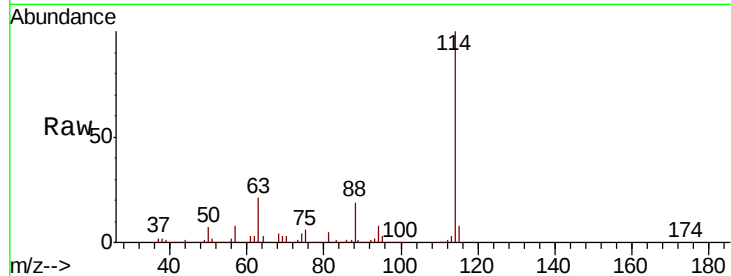




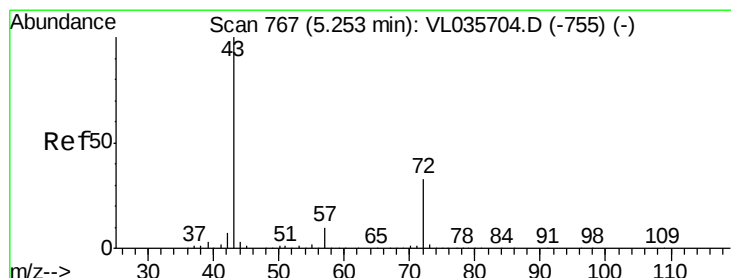
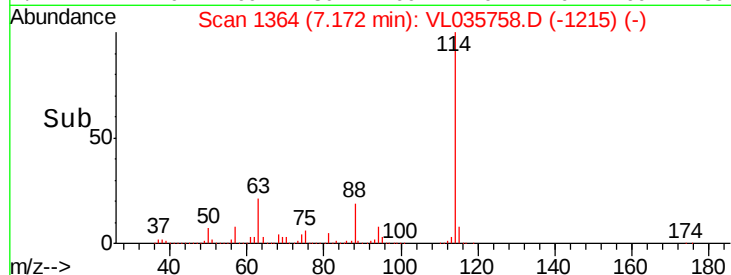
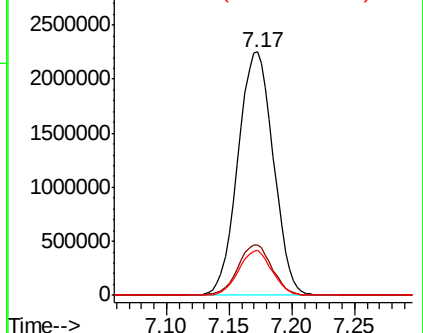
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion:114 Resp: 4422054
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.1 24.1
 88 17.4 14.1 21.1

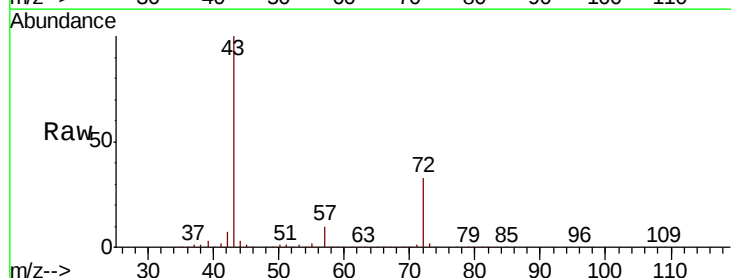


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

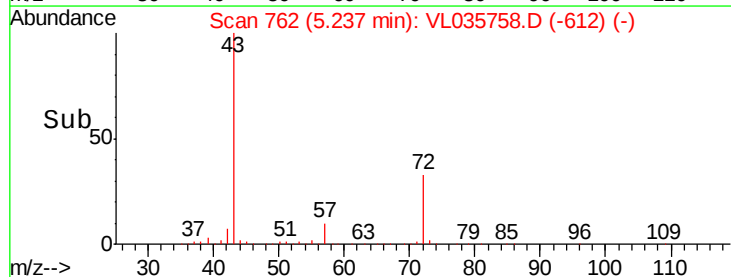
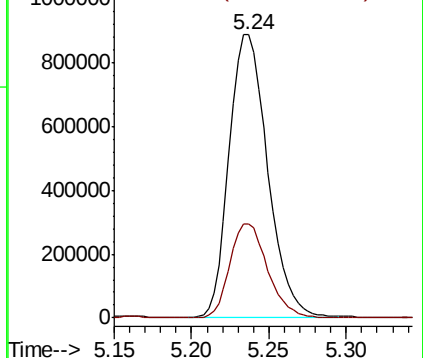


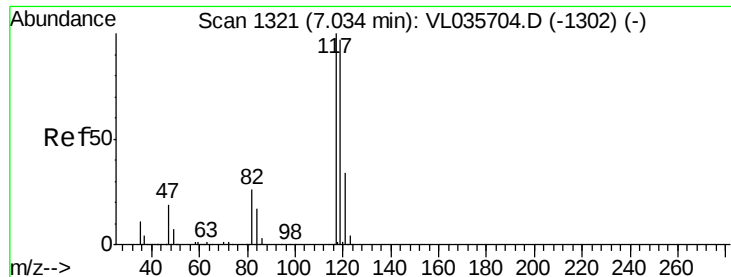
#34
 2-Butanone
 Concen: 10.517 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 43 Resp: 1538254
 Ion Ratio Lower Upper
 43 100
 72 32.7 26.1 39.1



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

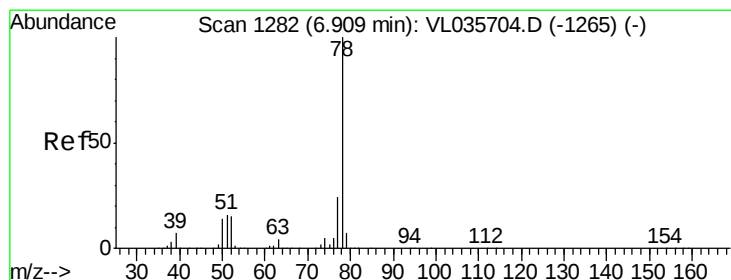
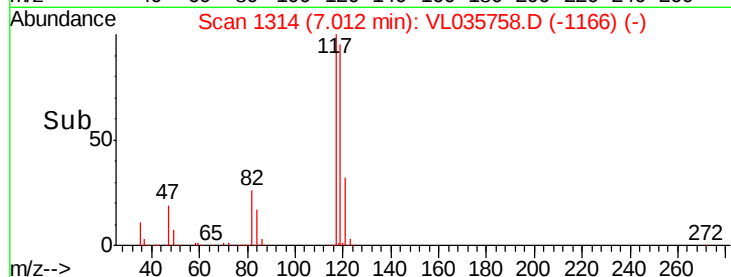
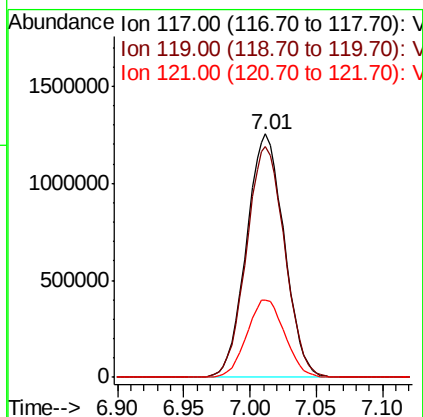
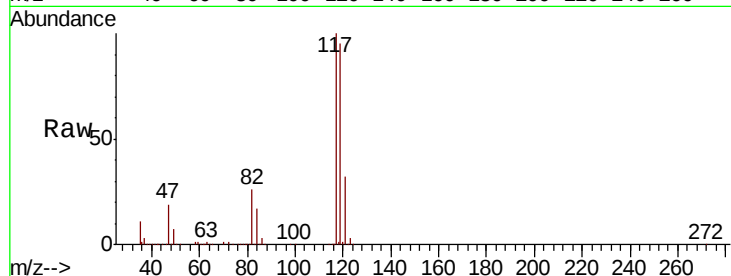




#35
Carbon Tetrachloride
Concen: 10.720 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

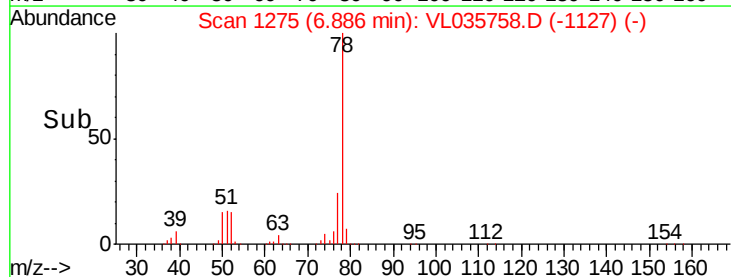
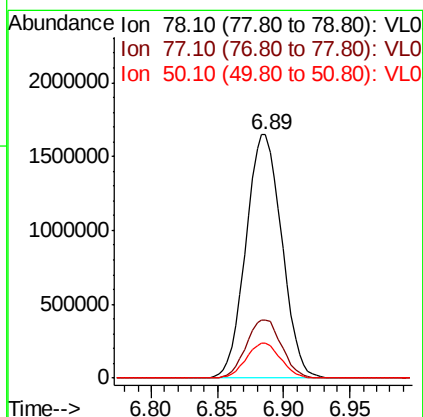
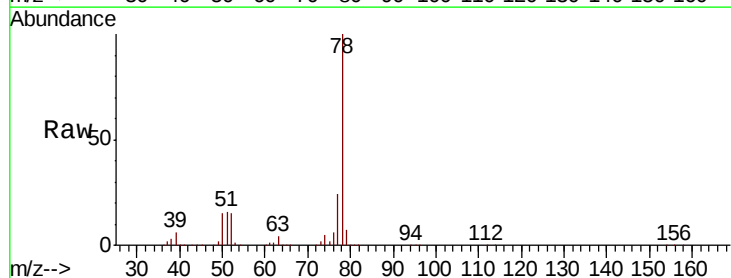
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

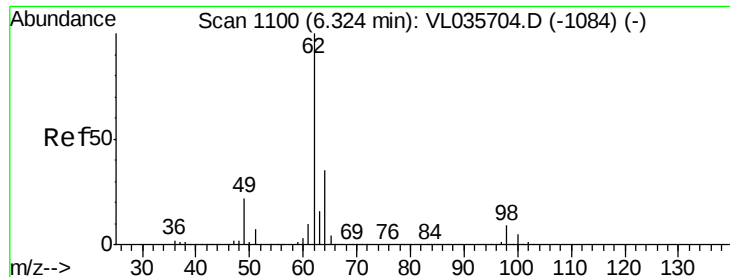
Tot Ion:117 Resp: 2471560
Ion Ratio Lower Upper
117 100
119 95.0 77.7 116.5
121 31.8 26.9 40.3



#36
Benzene
Concen: 10.781 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 78 Resp: 3106420
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9
50 14.5 11.6 17.4

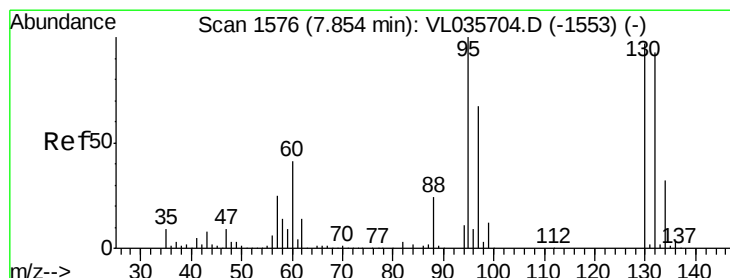
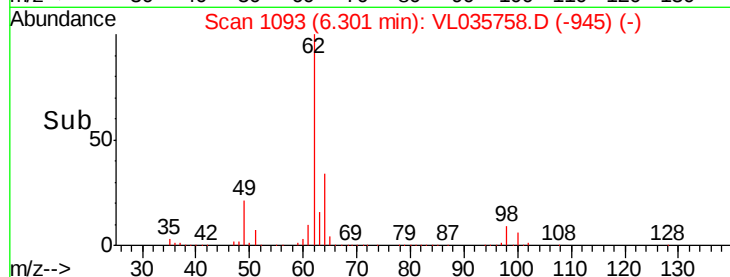
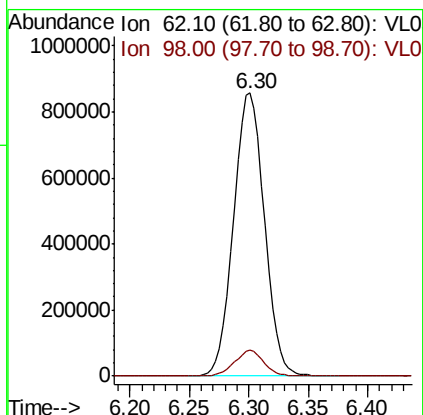
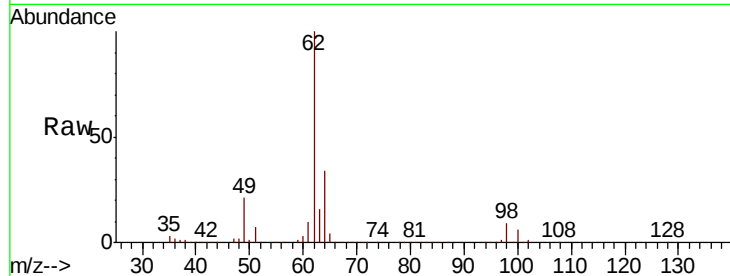




#37
 1,2-Dichloroethane
 Concen: 10.267 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

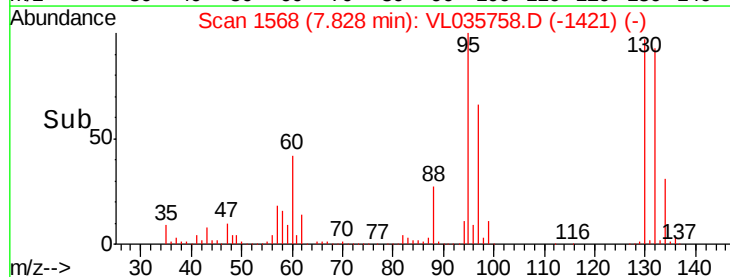
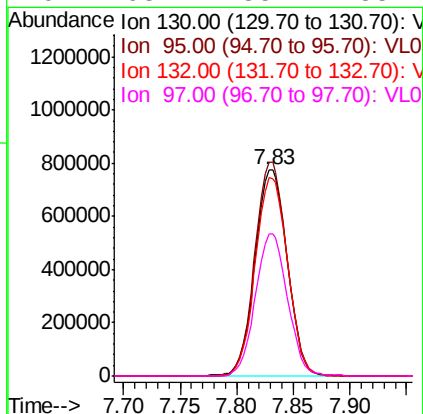
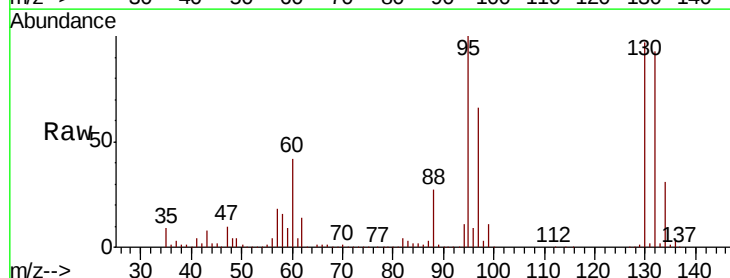
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

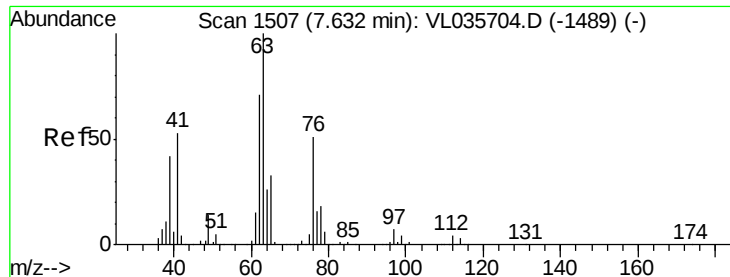
Tot Ion: 62 Resp: 1541916
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3



#38
 Trichloroethene
 Concen: 10.713 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion:130 Resp: 1539829
 Ion Ratio Lower Upper
 130 100
 95 103.6 82.4 123.6
 132 95.9 76.8 115.2
 97 68.7 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.311 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

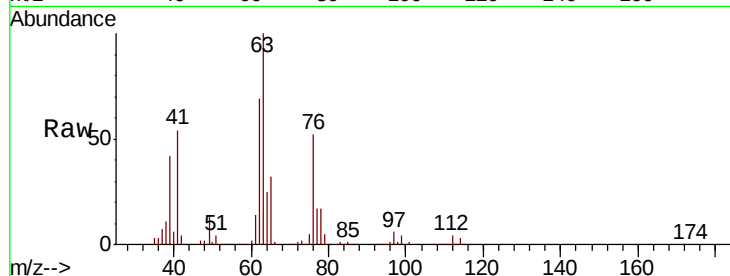
Tot Ion: 63 Resp: 1076846

Ion Ratio Lower Upper

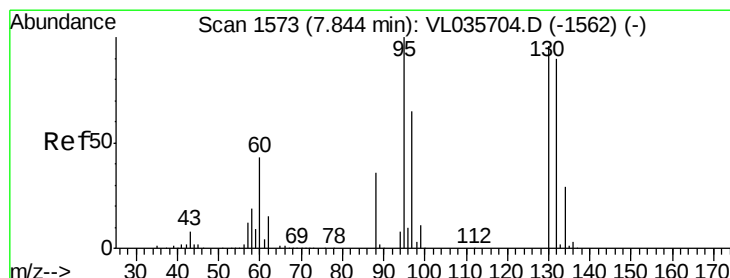
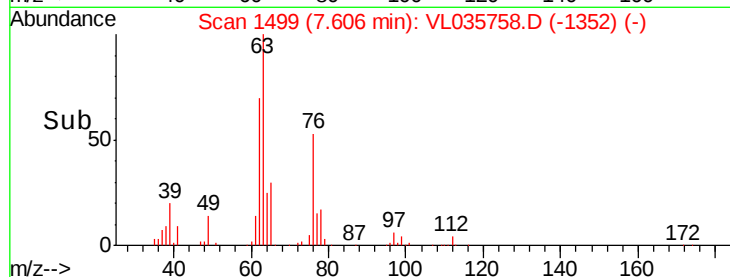
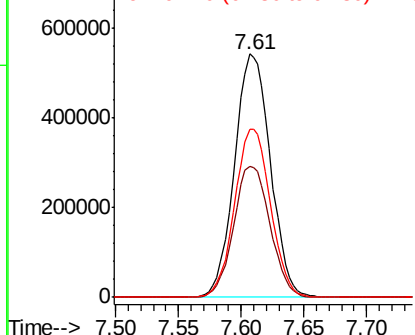
63 100

41 53.7 42.6 63.8

62 68.8 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



#40

1,4-Dioxane

Concen: 10.478 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion: 88 Resp: 500476

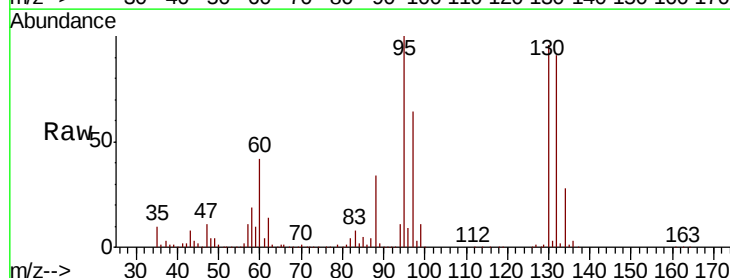
Ion Ratio Lower Upper

88 100

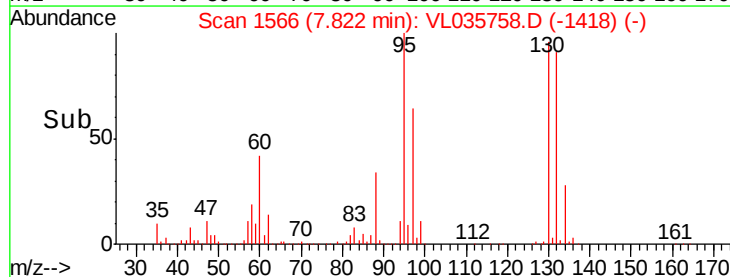
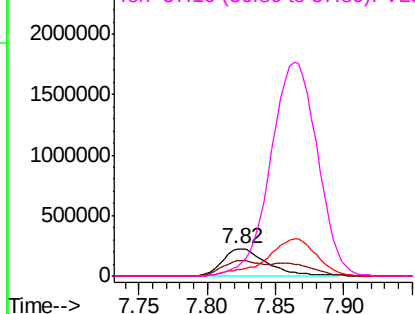
58 97.4 76.2 114.4

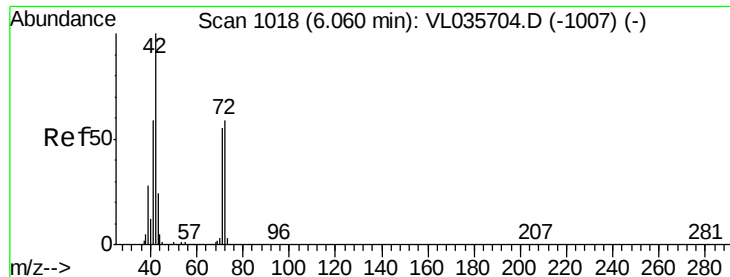
43 158.8 123.4 185.2

57 844.3 652.5 978.7



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

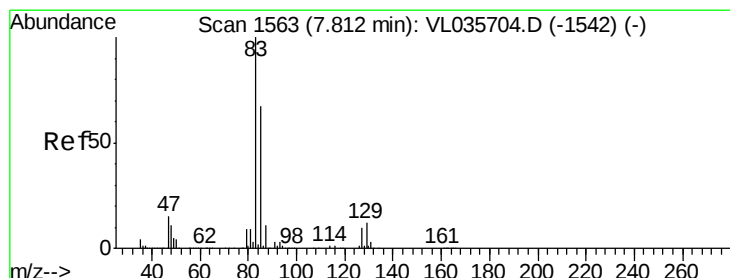
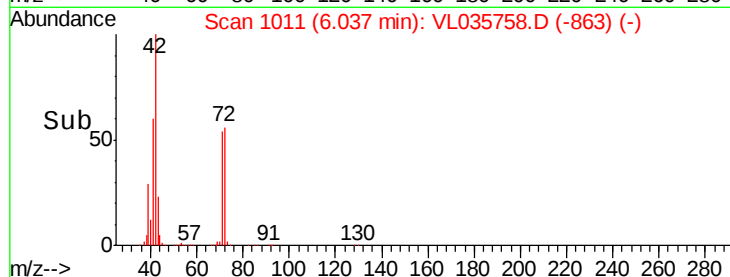
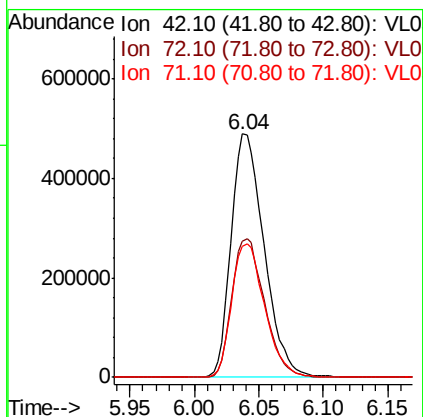
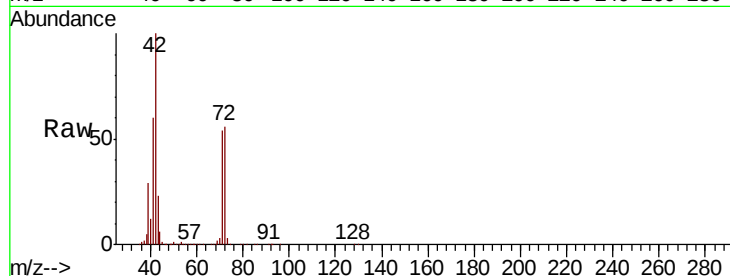




#41
Tetrahydrofuran
Concen: 11.823 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

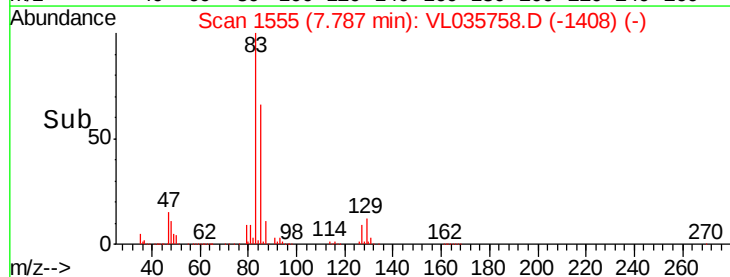
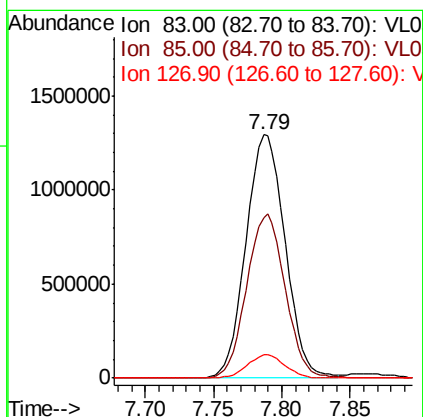
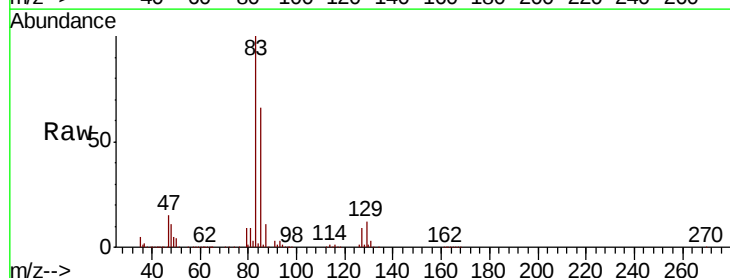
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

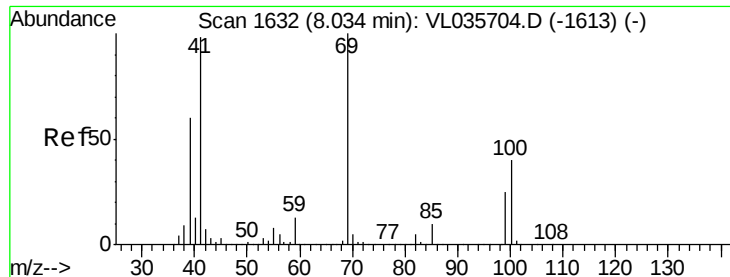
Tot Ion: 42 Resp: 871209
Ion Ratio Lower Upper
42 100
72 56.8 46.2 69.4
71 55.0 44.2 66.4



#42
Bromodichloromethane
Concen: 10.676 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 83 Resp: 2582699
Ion Ratio Lower Upper
83 100
85 66.1 53.4 80.0
127 9.4 7.8 11.6

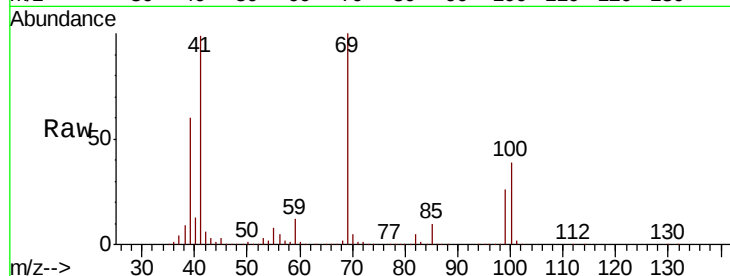




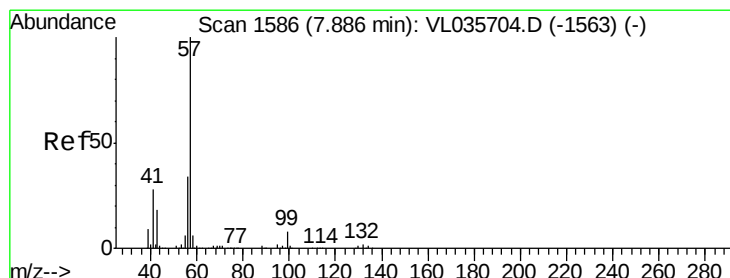
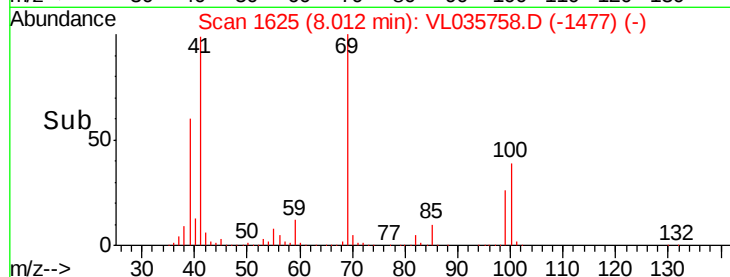
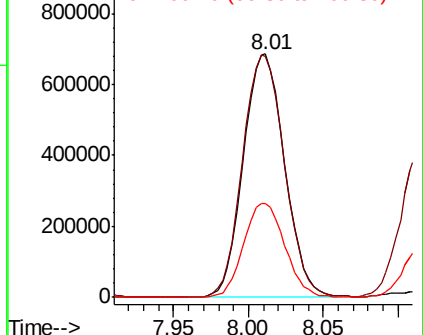
#43
Methyl Methacrylate
Concen: 11.504 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion: 69 Resp: 1318312
Ion Ratio Lower Upper
69 100
41 101.2 79.8 119.6
100 38.5 30.6 46.0

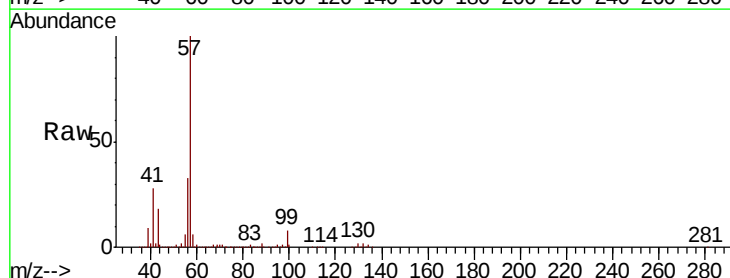


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

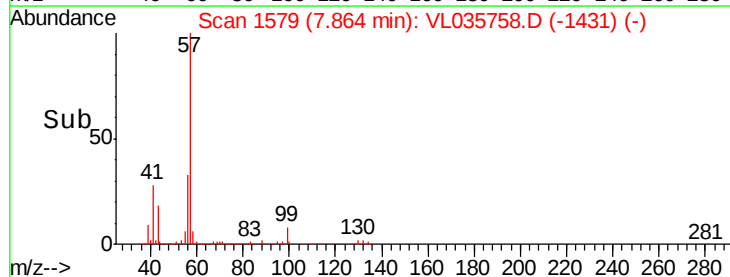
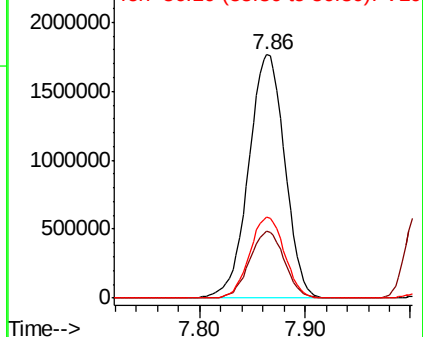


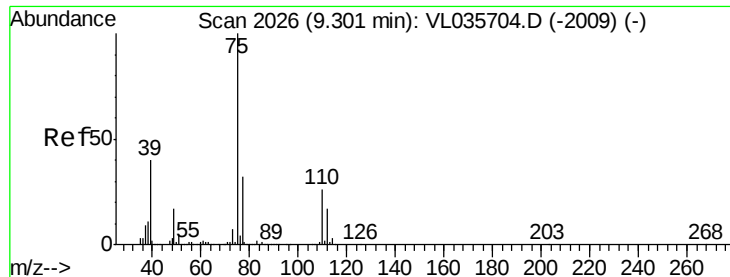
#44
2,2,4-Trimethylpentane
Concen: 10.202 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 57 Resp: 4218390
Ion Ratio Lower Upper
57 100
41 26.5 21.2 31.8
56 32.0 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





#45

t-1,3-Dichloropropene

Concen: 12.758 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

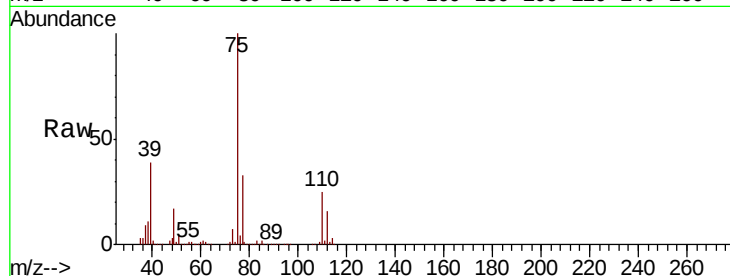
VL1012ABS01

Tot Ion: 75 Resp: 1476139

Ion Ratio Lower Upper

75 100

77 33.4 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

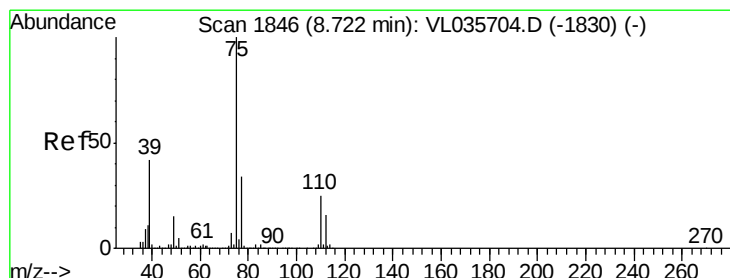
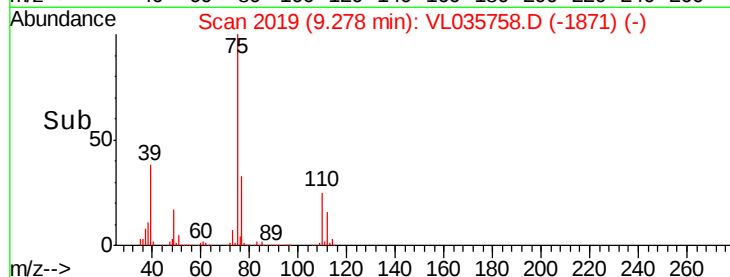
400000

200000

0

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.329 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

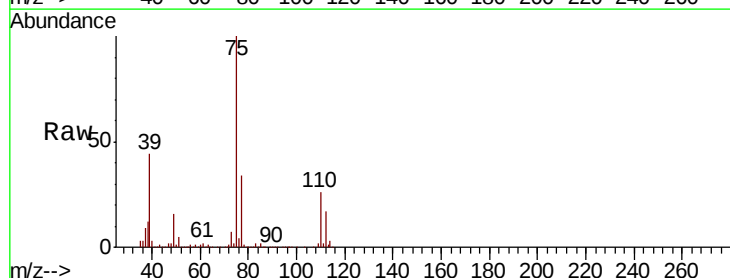
Tgt Ion: 75 Resp: 1758399

Ion Ratio Lower Upper

75 100

39 43.9 33.9 50.9

77 33.9 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1200000

1000000

800000

600000

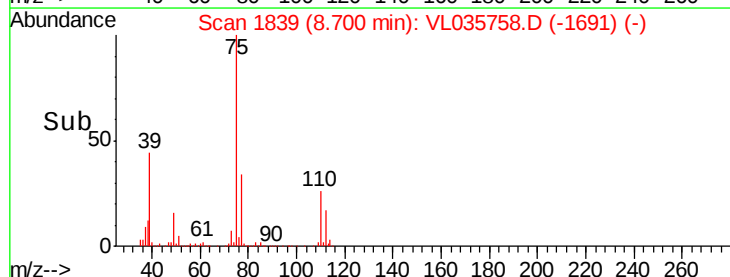
400000

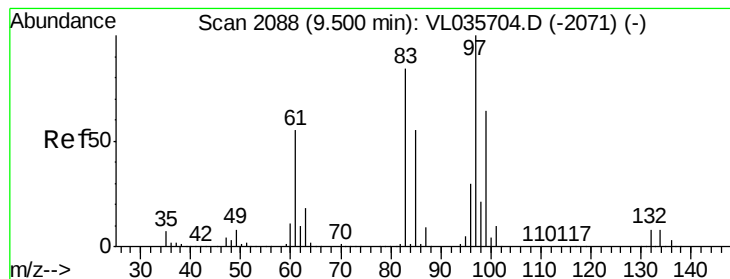
200000

0

8.60 8.65 8.70 8.75

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.079 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 97 Resp: 1507802

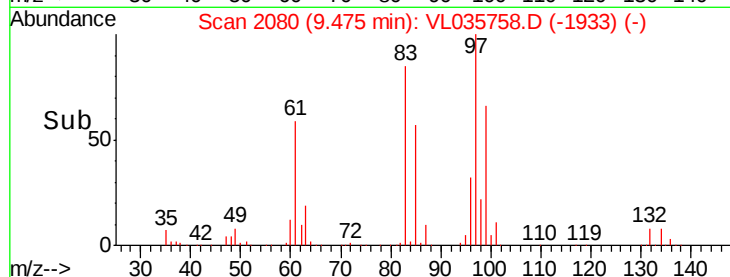
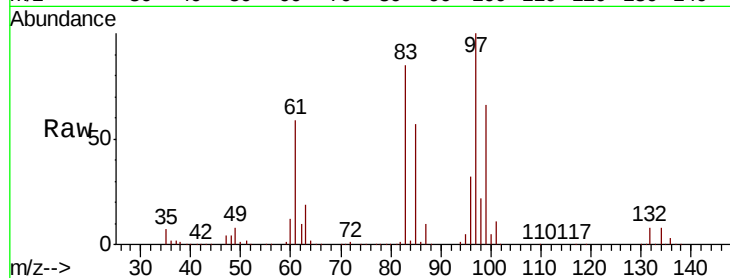
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.1	100.7
85	57.2	43.9	65.9
99	65.7	51.3	76.9

97 100

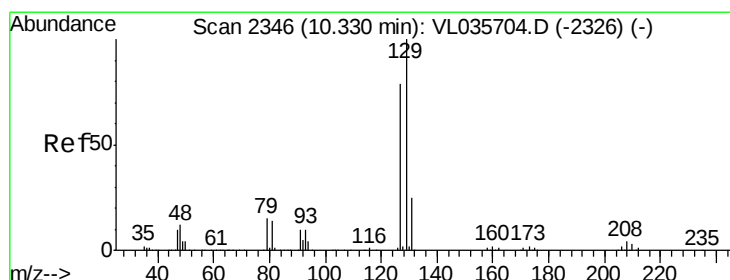
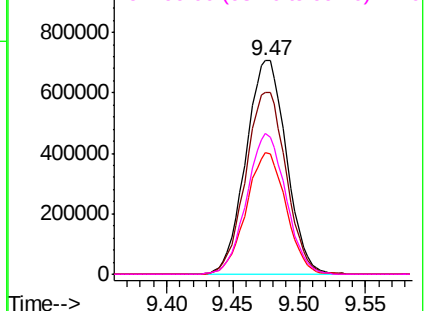
83 84.9 67.1 100.7

85 57.2 43.9 65.9

99 65.7 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



#48

Dibromochloromethane

Concen: 11.110 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. -0.03 min

Lab File: VL035758.D

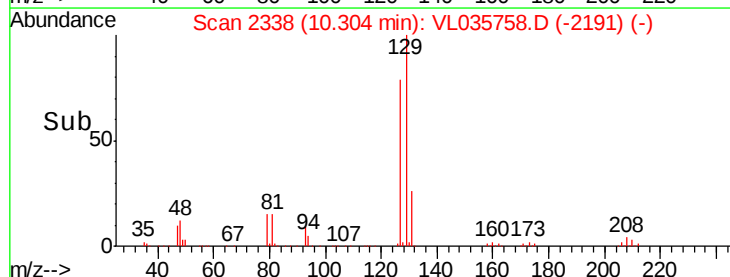
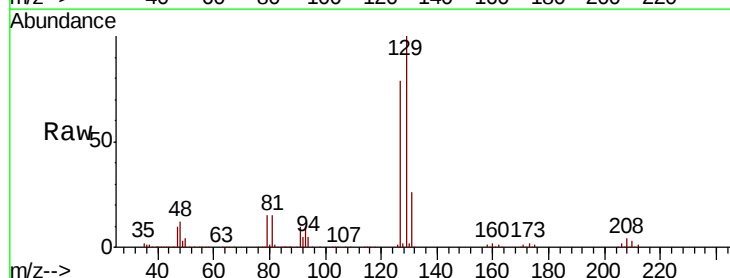
Acq: 12 Oct 2020 12:01

Tgt Ion:129 Resp: 2529548

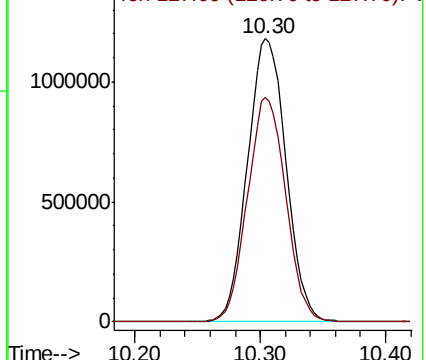
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1

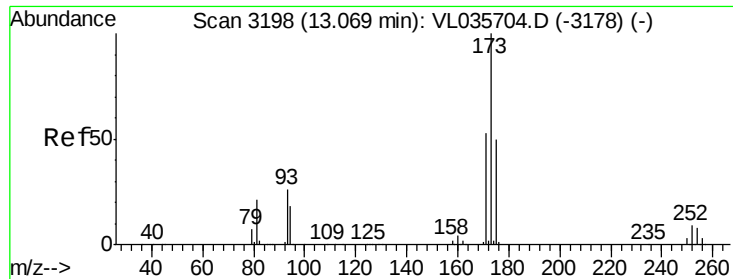
129 100

127 78.5 39.4 118.1



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





#49

Bromoform

Concen: 11.733 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

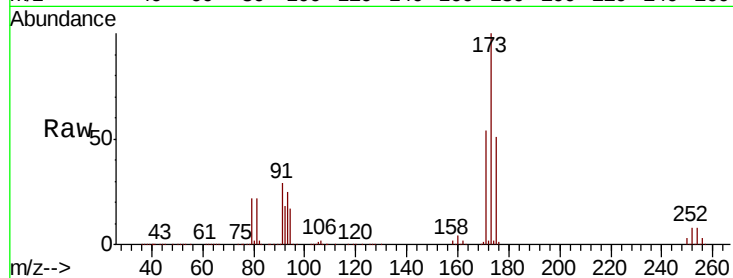
Tot Ion:173 Resp: 2266694

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.6

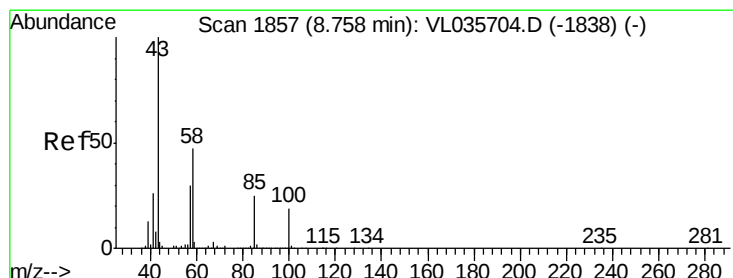
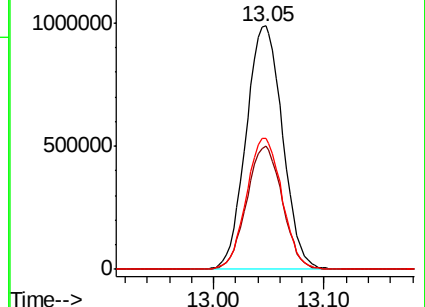
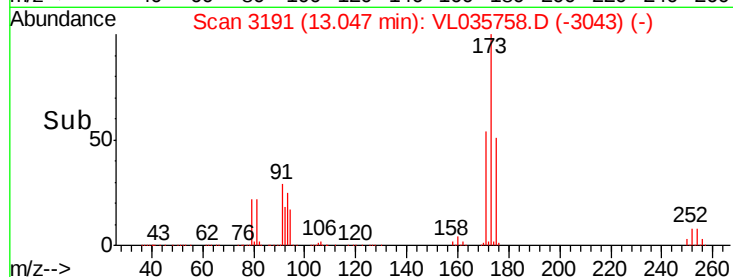
171 53.0 42.8 64.2



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: 10.756 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.02 min

Lab File: VL035758.D

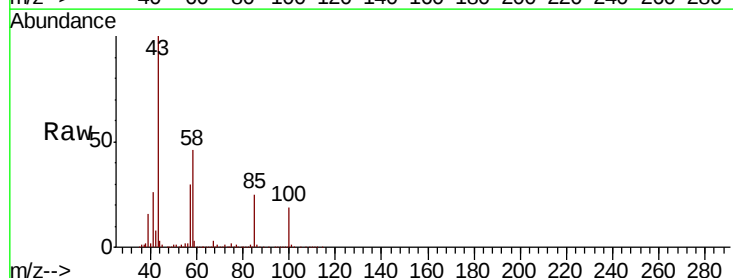
Acq: 12 Oct 2020 12:01

Tgt Ion: 43 Resp: 2297873

Ion Ratio Lower Upper

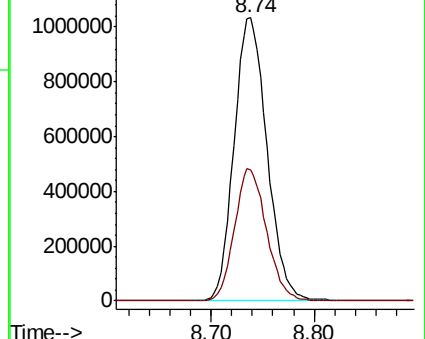
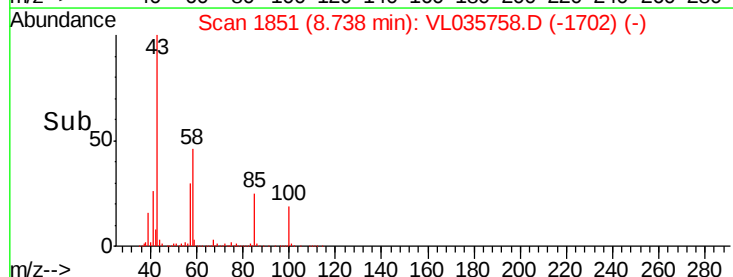
43 100

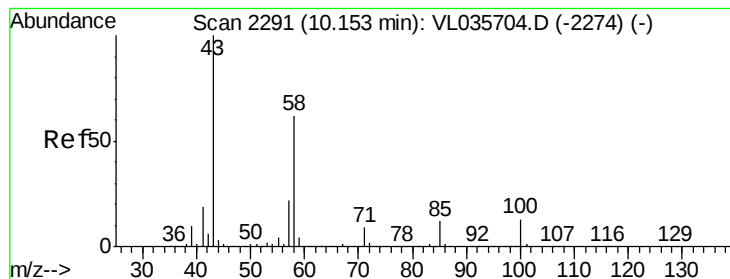
58 45.5 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.216 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

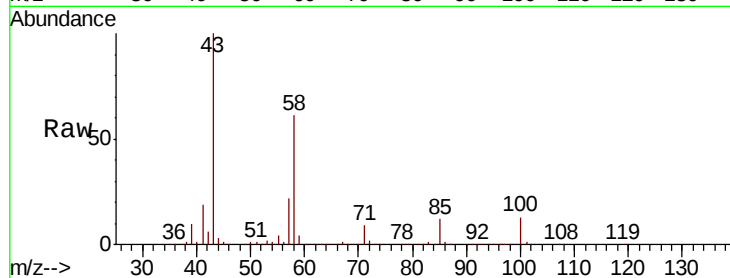
Tot Ion: 43 Resp: 1930505

Ion Ratio Lower Upper

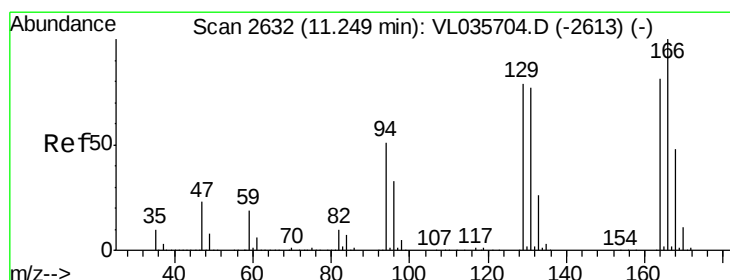
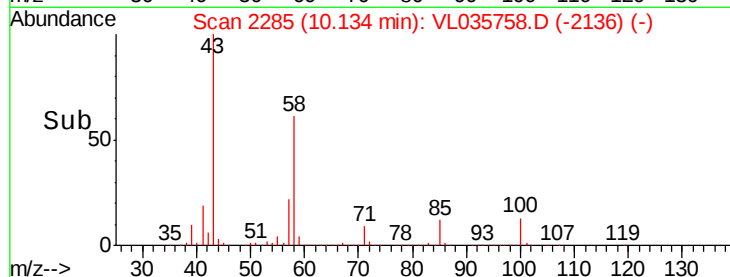
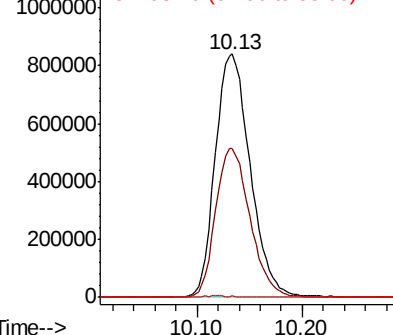
43 100

58 60.4 48.7 73.1

98 0.8 0.7 1.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.437 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion:164 Resp: 1446191

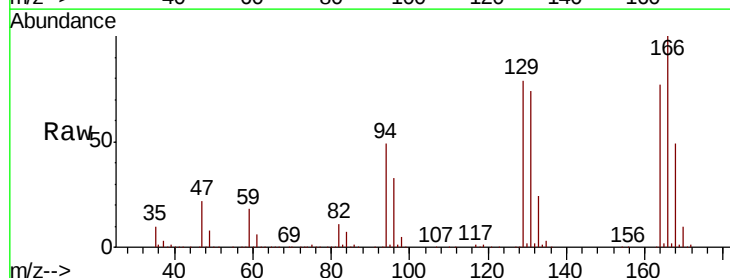
Ion Ratio Lower Upper

164 100

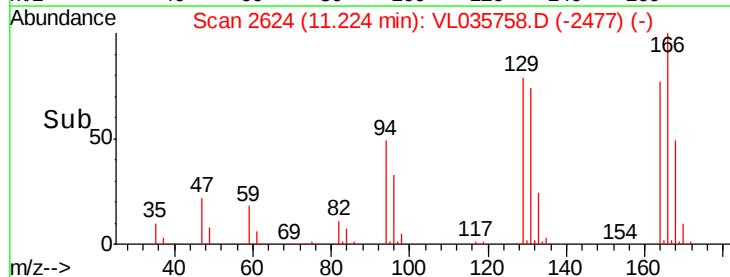
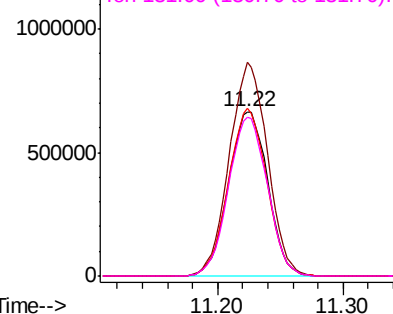
166 130.1 98.7 148.1

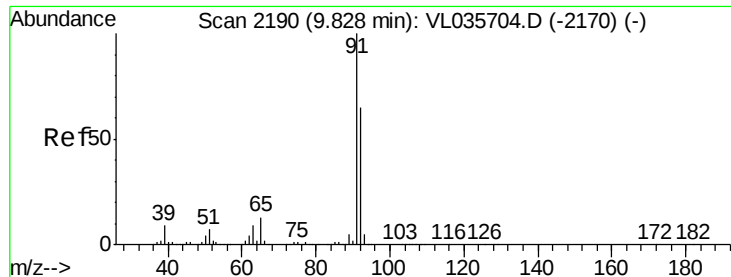
129 102.3 78.4 117.6

131 96.5 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: 11.410 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

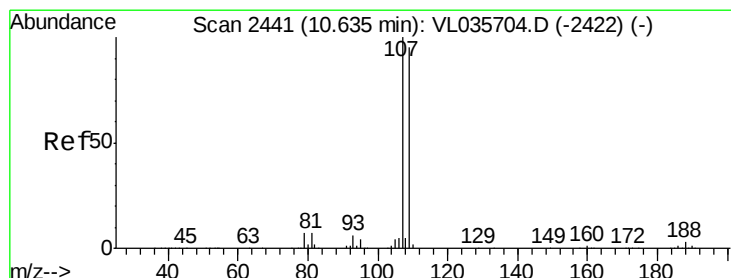
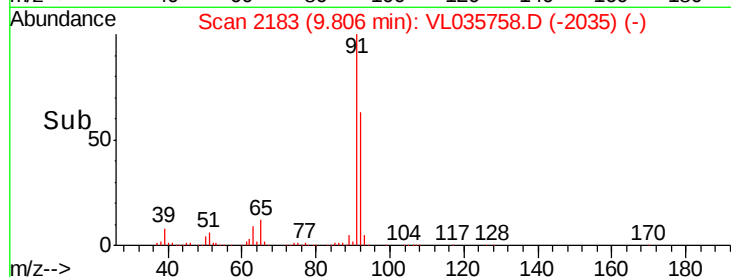
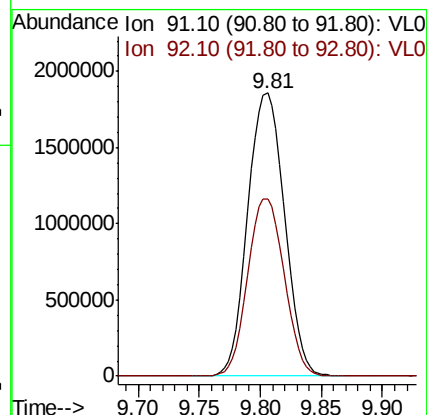
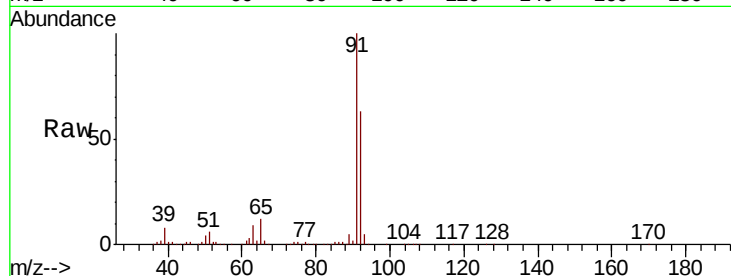
VL1012ABS01

Tot Ion: 91 Resp: 3876864

Ion Ratio Lower Upper

91 100

92 62.3 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.499 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.02 min

Lab File: VL035758.D

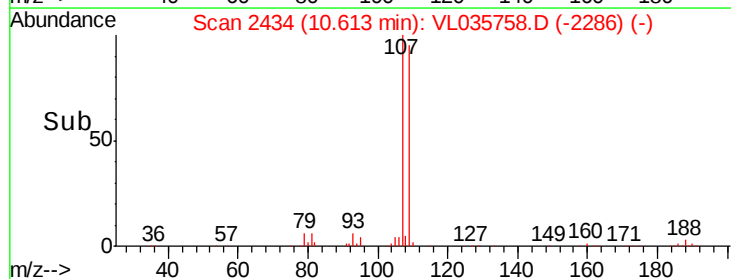
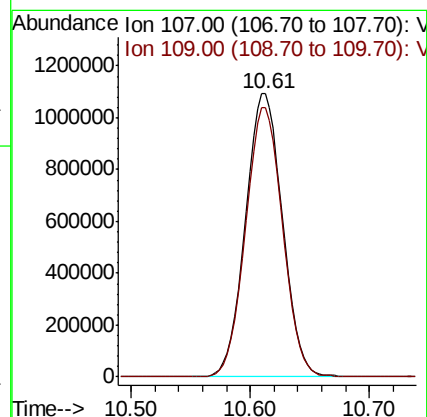
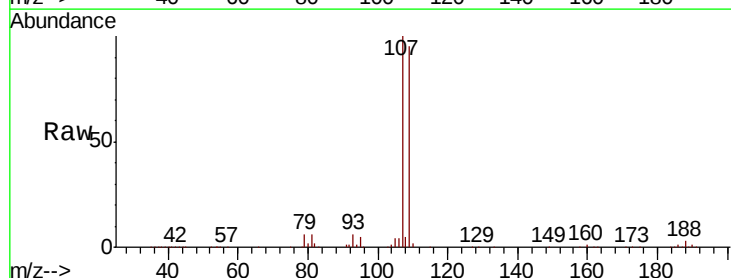
Acq: 12 Oct 2020 12:01

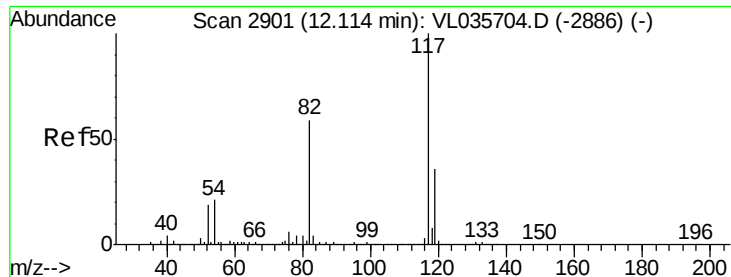
Tgt Ion:107 Resp: 2351829

Ion Ratio Lower Upper

107 100

109 95.3 76.0 114.0

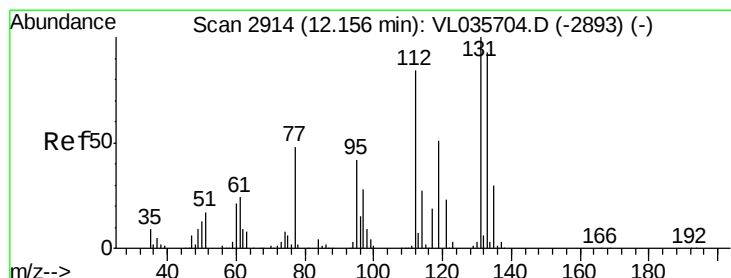
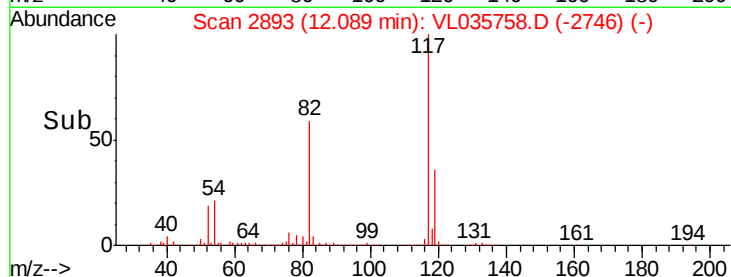
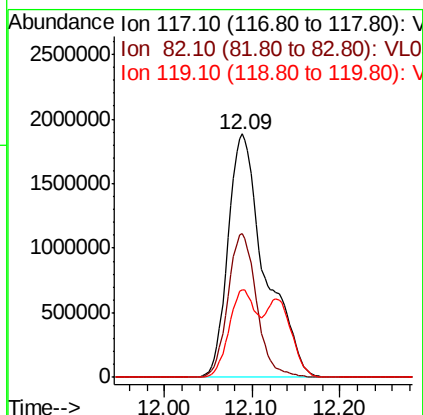
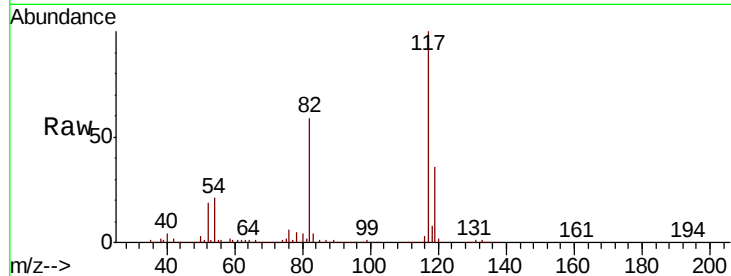




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

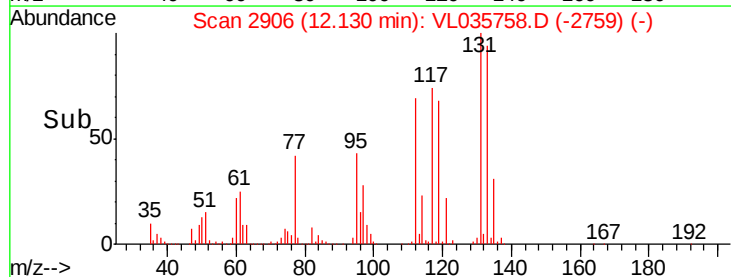
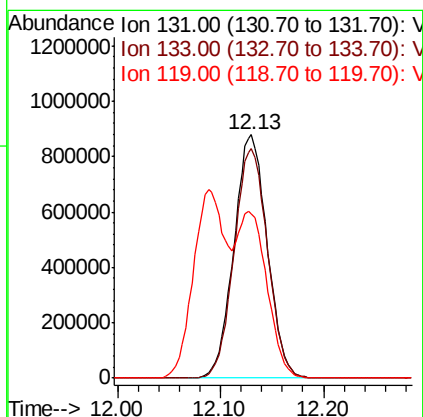
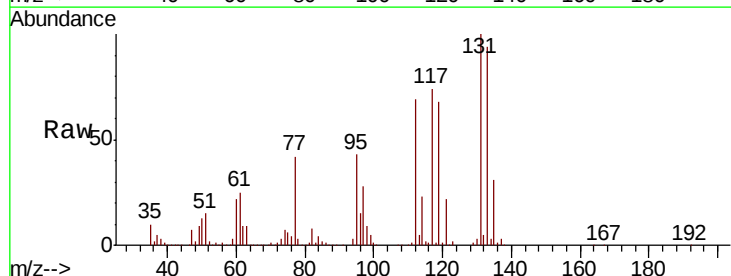
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

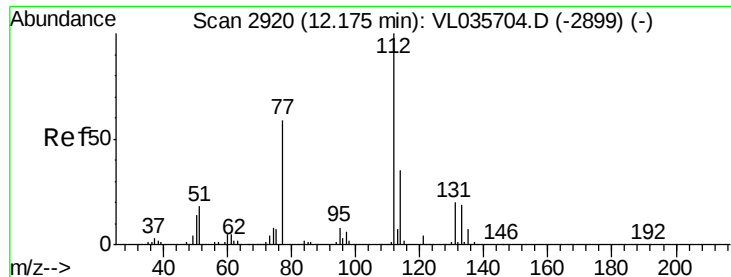
Tot Ion:117 Resp: 5527996
Ion Ratio Lower Upper
117 100
82 46.0 46.1 69.1#
119 29.1 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.503 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion:131 Resp: 1970917
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.4
119 57.8 52.4 78.6

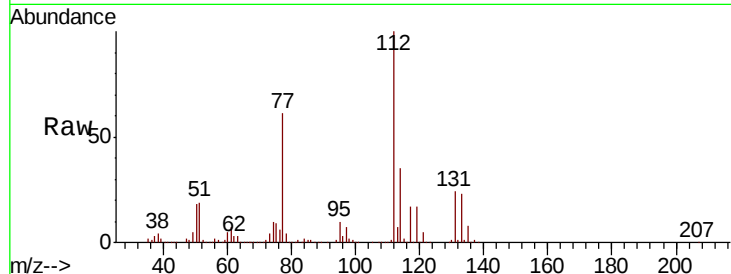




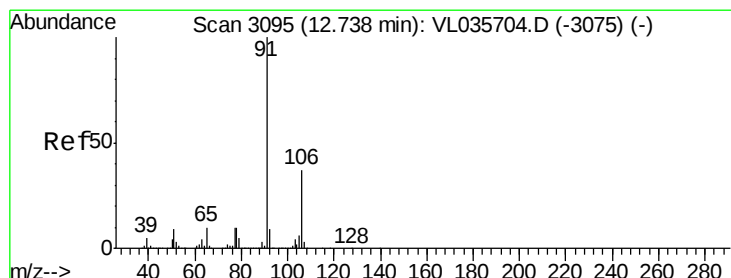
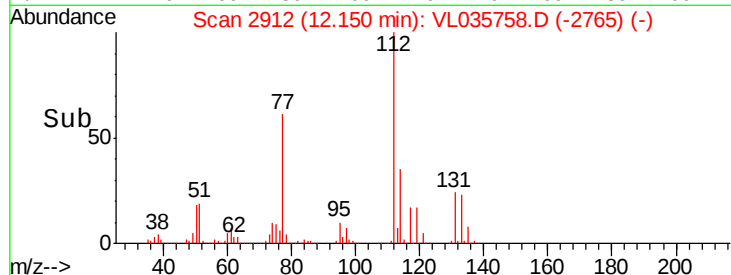
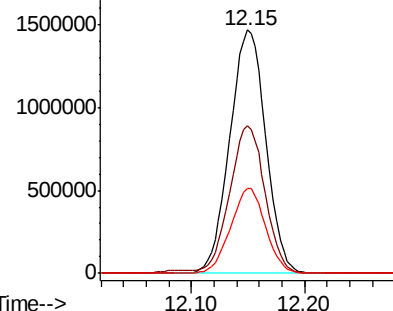
#57
Chlorobenzene
Concen: 7.783 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion:112 Resp: 3249497
Ion Ratio Lower Upper
112 100
77 60.6 48.2 72.2
114 35.1 31.9 39.1

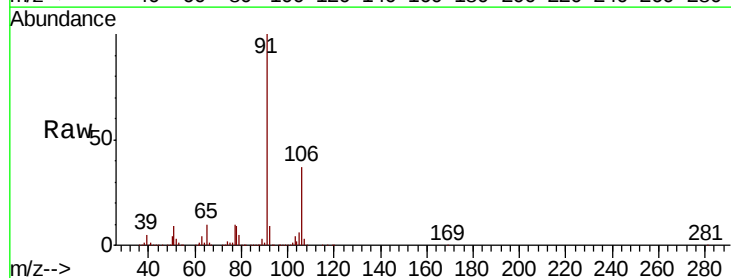


Abundance Ion 112.10 (111.80 to 112.80): V
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

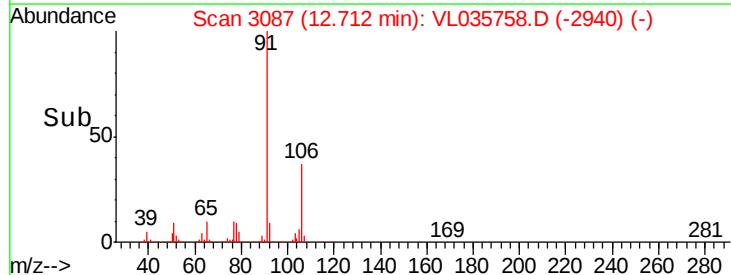
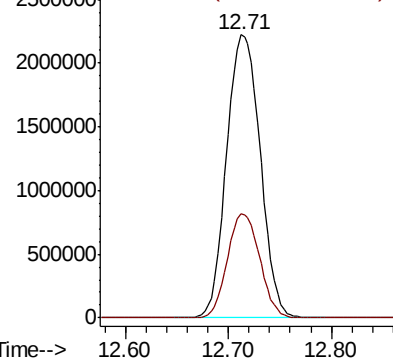


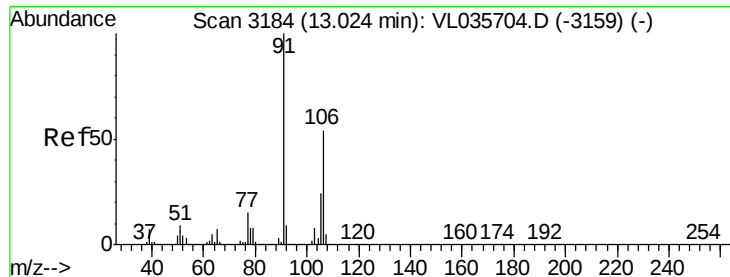
#58
Ethyl Benzene
Concen: 9.105 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 91 Resp: 5051839
Ion Ratio Lower Upper
91 100
106 36.7 29.7 44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
2500000 Ion 106.10 (105.80 to 106.80): V

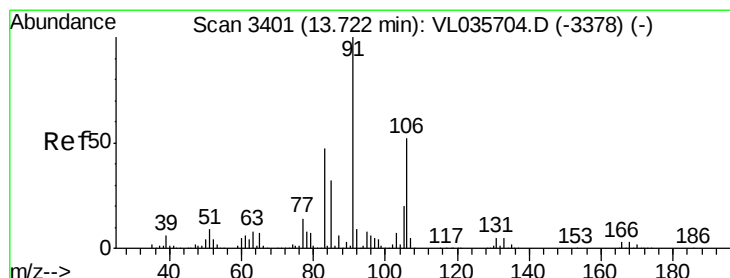
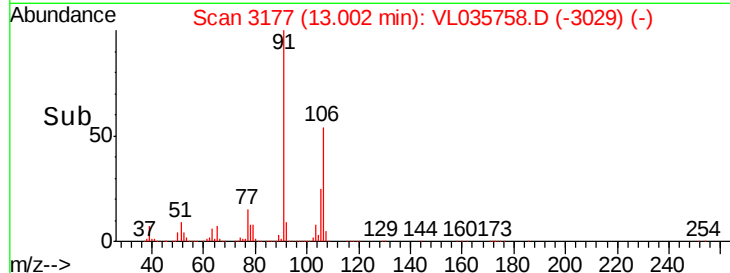
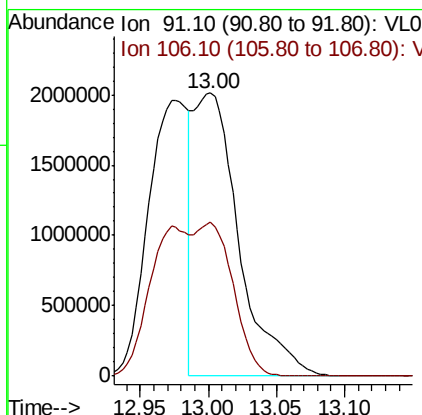
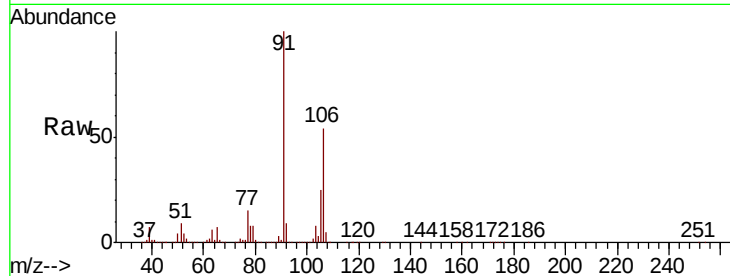




#59
m/p-Xylene
Concen: 9.547 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

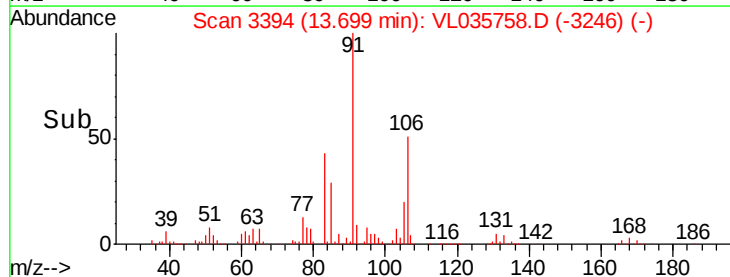
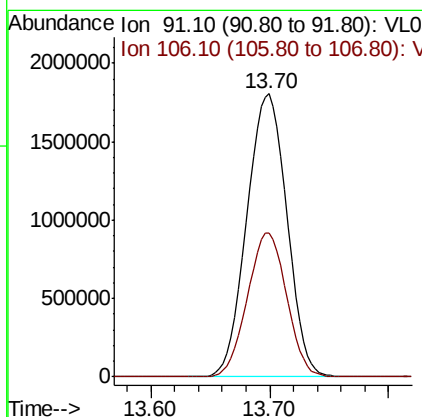
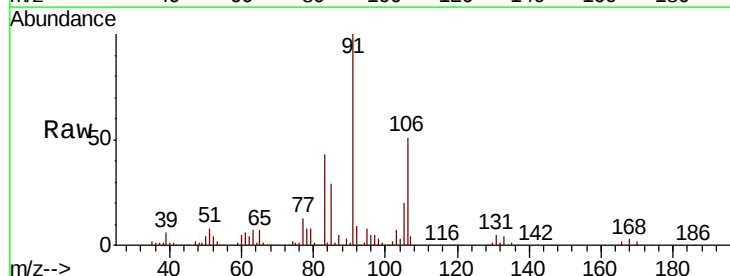
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

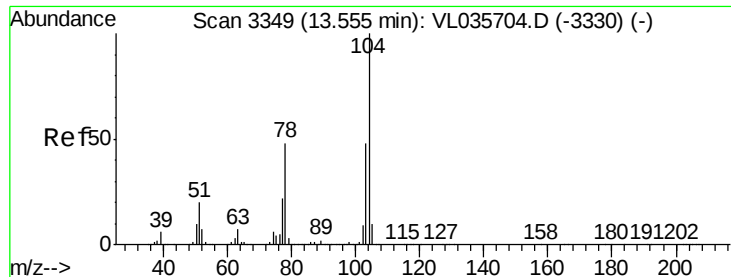
Tot Ion: 91 Resp: 4625699
Ion Ratio Lower Upper
91 100
106 93.0 41.4 62.0#



#60
o-Xylene
Concen: 8.584 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 91 Resp: 4207582
Ion Ratio Lower Upper
91 100
106 49.8 25.0 75.0

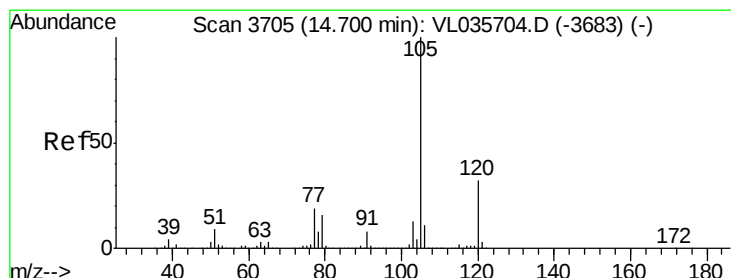
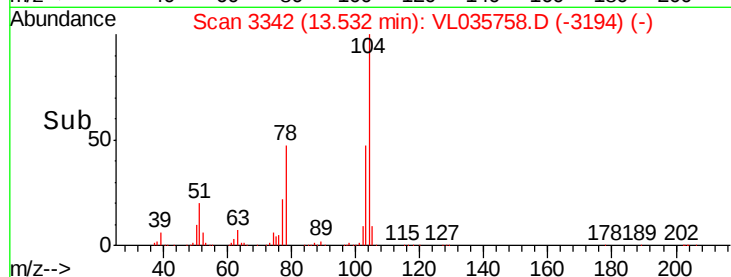
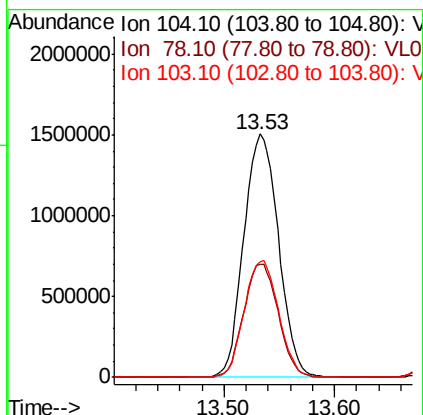
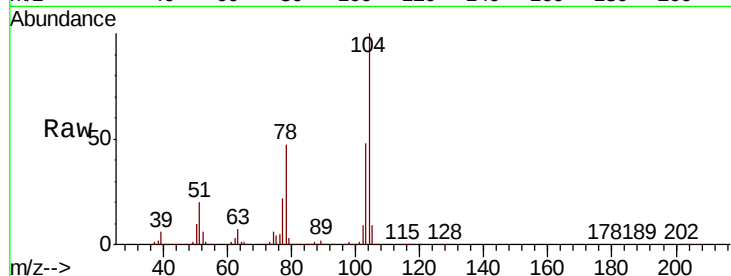




#61
Stvrene
Concen: 9.691 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

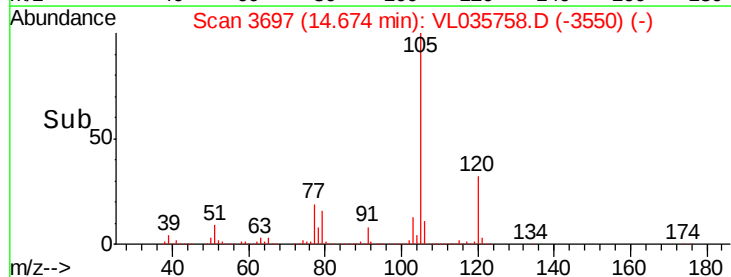
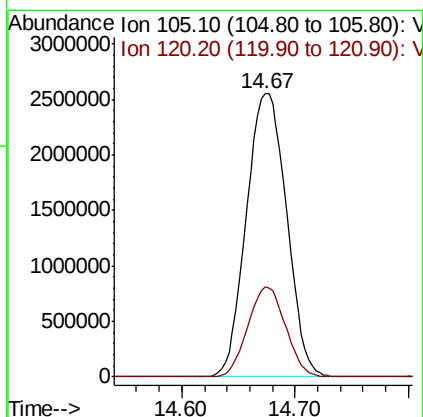
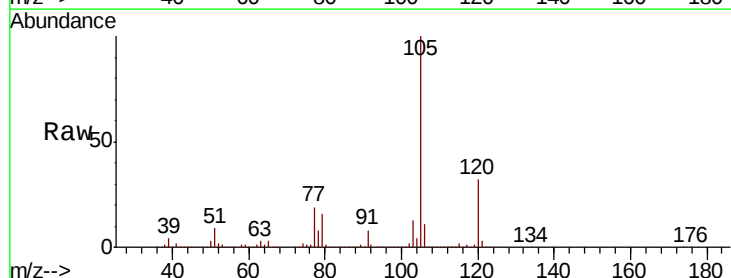
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

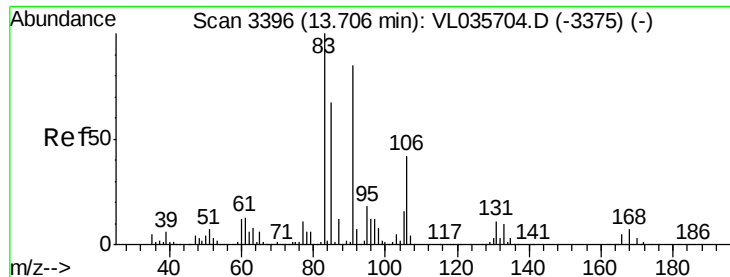
Tot Ion:104 Resp: 3284555
Ion Ratio Lower Upper
104 100
78 46.4 37.2 55.8
103 47.6 38.2 57.2



#62
Isopropylbenzene
Concen: 8.302 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion:105 Resp: 6311468
Ion Ratio Lower Upper
105 100
120 29.9 24.1 36.1

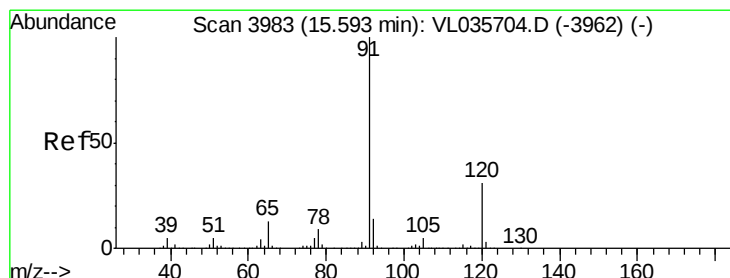
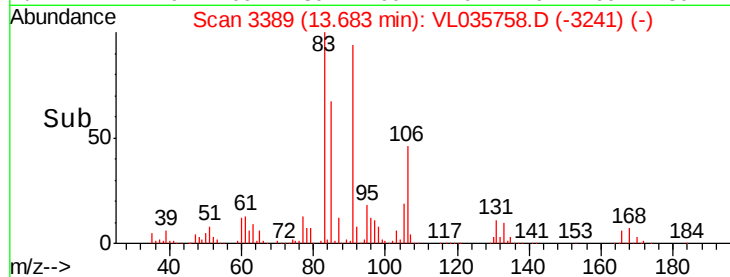
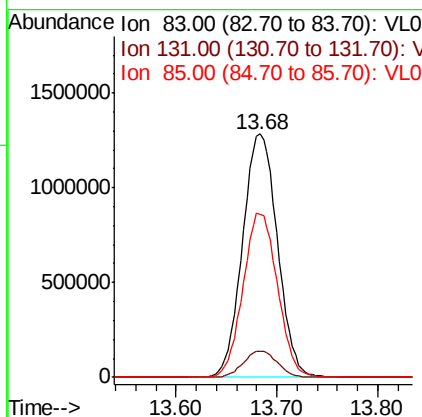
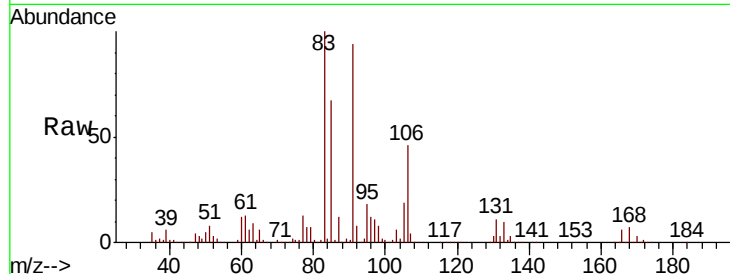




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.642 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

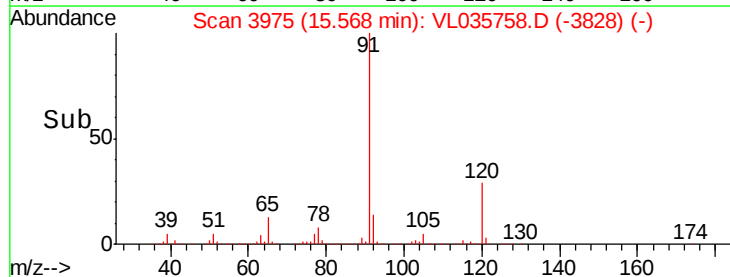
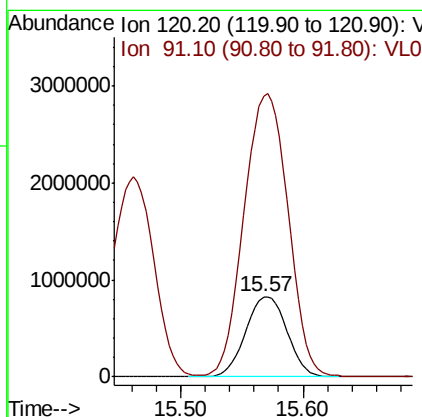
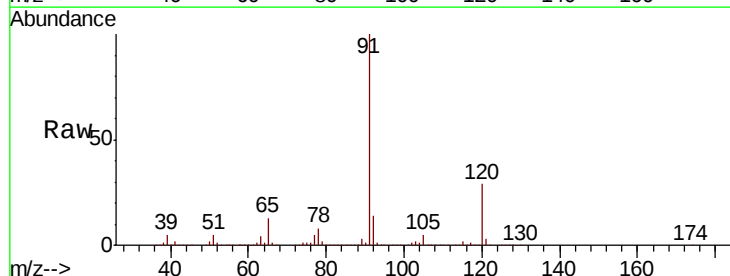
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

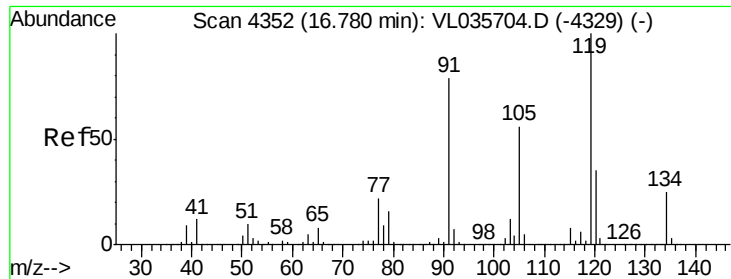
Tot Ion: 83 Resp: 3071578
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.3 16.1
 85 66.9 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.705 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 120 Resp: 1936942
 Ion Ratio Lower Upper
 120 100
 91 378.3 300.4 450.6

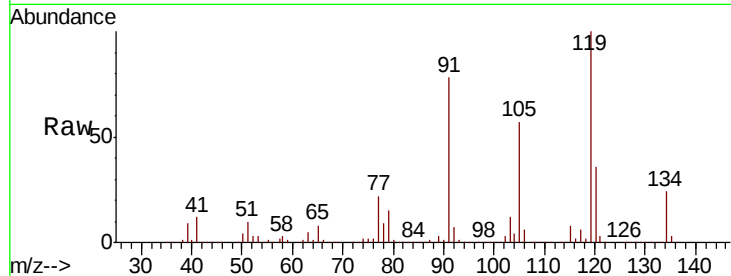




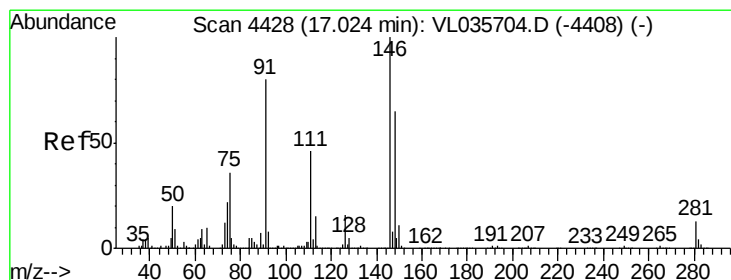
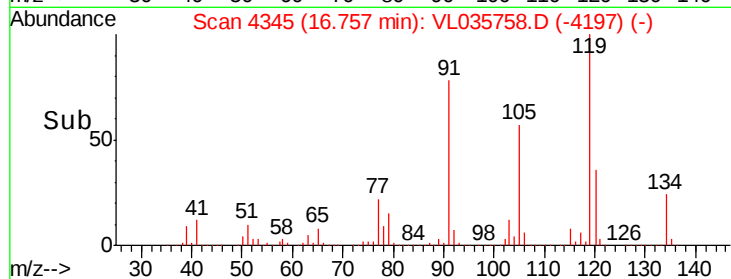
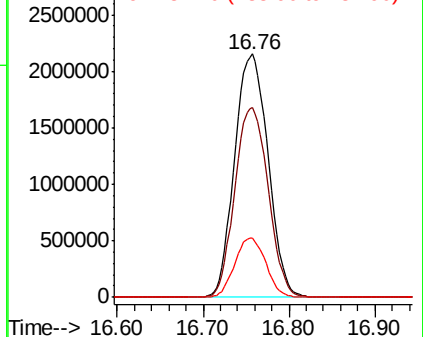
#65
 tert-Butylbenzene
 Concen: 8.433 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion:119 Resp: 5829188
 Ion Ratio Lower Upper
 119 100
 91 77.8 62.4 93.6
 134 22.5 18.2 27.2

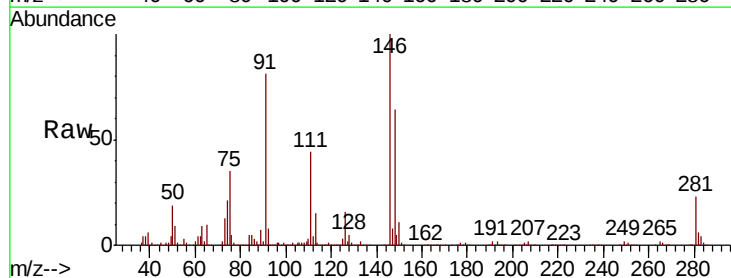


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

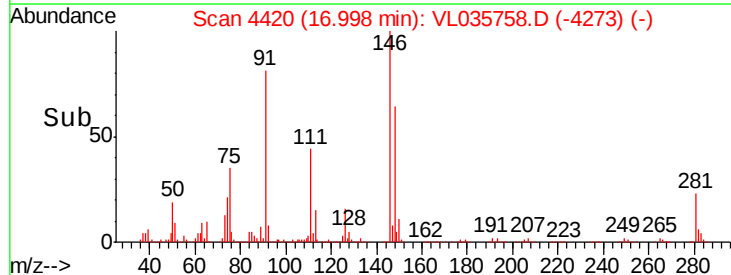
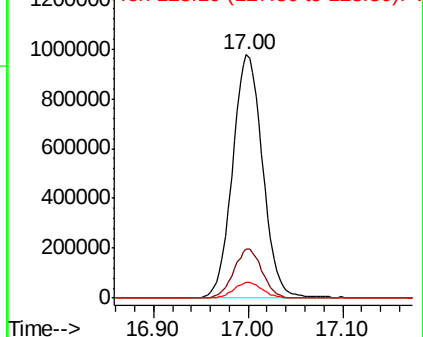


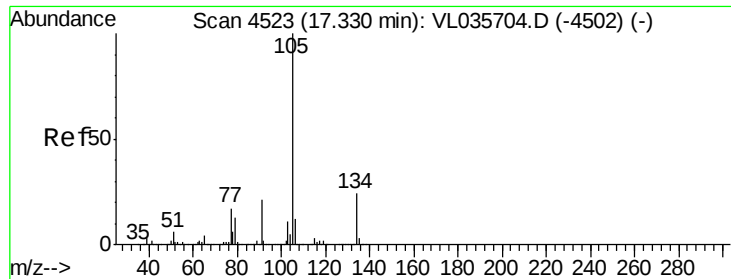
#66
 Benzyl Chloride
 Concen: 10.286 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 91 Resp: 2154026
 Ion Ratio Lower Upper
 91 100
 126 19.3 15.3 22.9
 128 6.4 5.0 7.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V

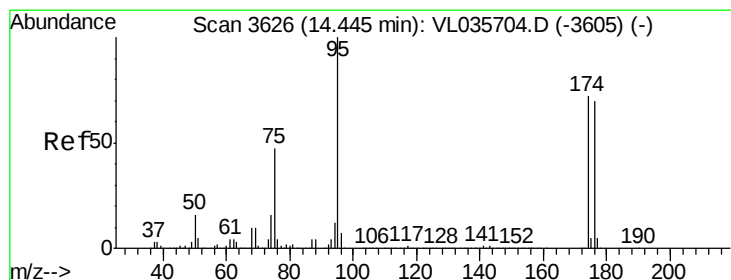
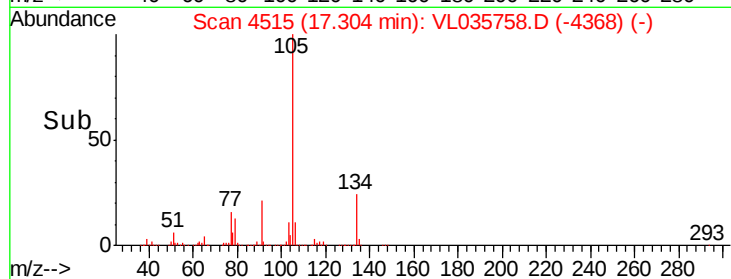
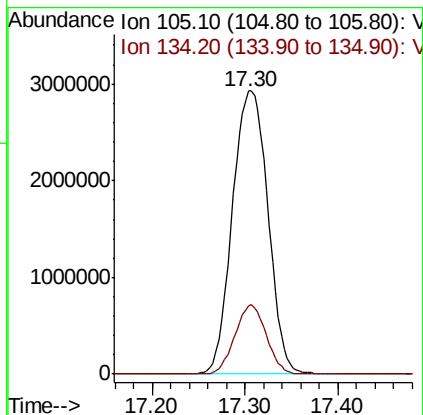
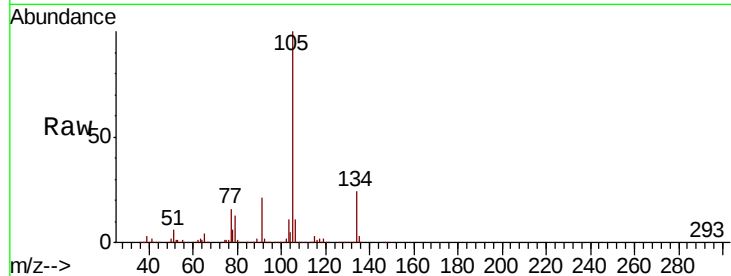




#67
 sec-Butylbenzene
 Concen: 8.149 ppbv
 RT: 17.30 min Scan# 4515
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

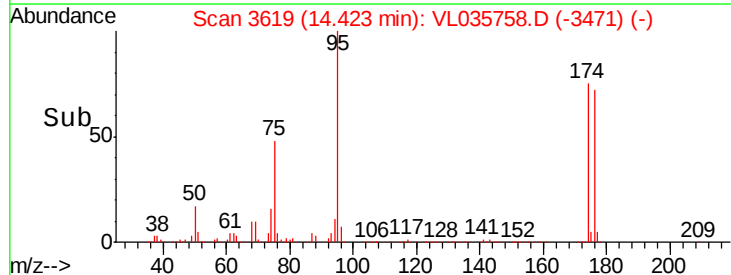
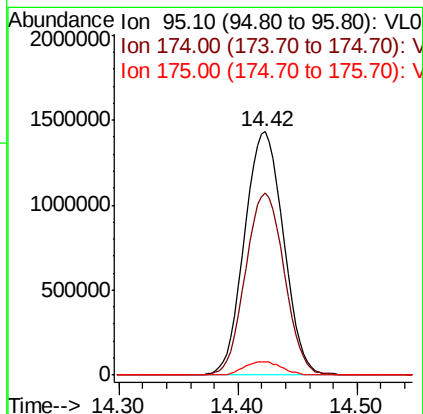
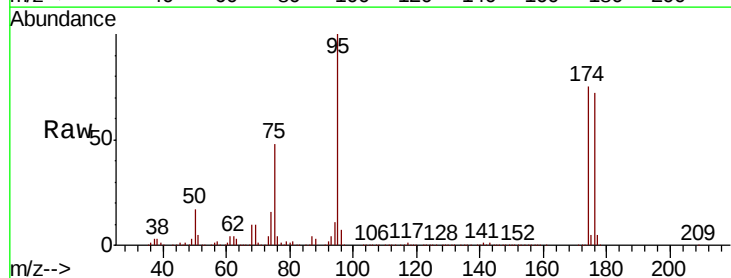
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

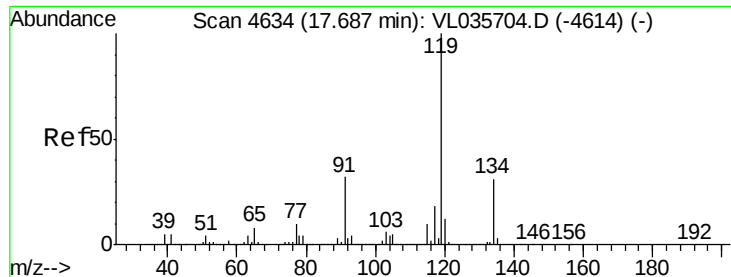
Tot Ion:105 Resp: 7778376
 Ion Ratio Lower Upper
 105 100
 134 21.8 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.845 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 95 Resp: 3249730
 Ion Ratio Lower Upper
 95 100
 174 75.0 59.6 89.4
 175 5.5 4.2 6.4

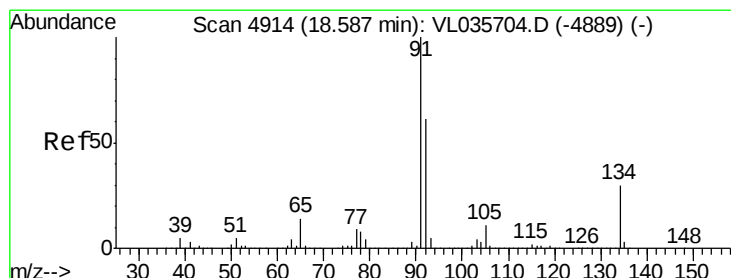
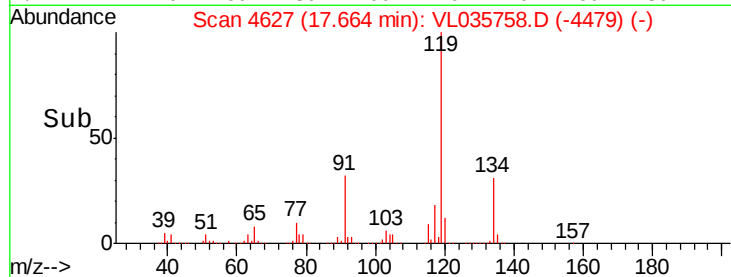
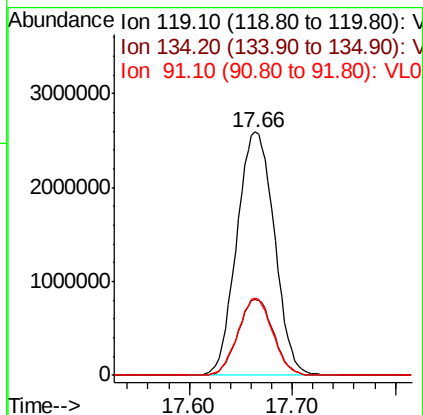
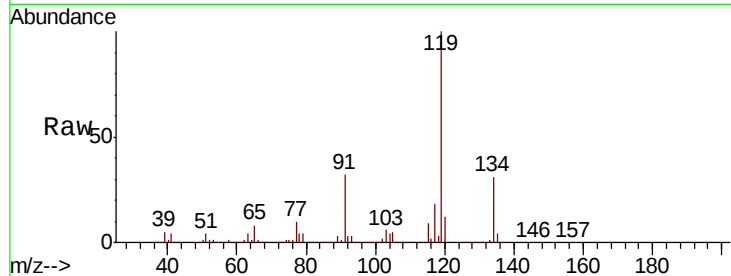




#69
 p-Isopropyltoluene
 Concen: 8.420 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

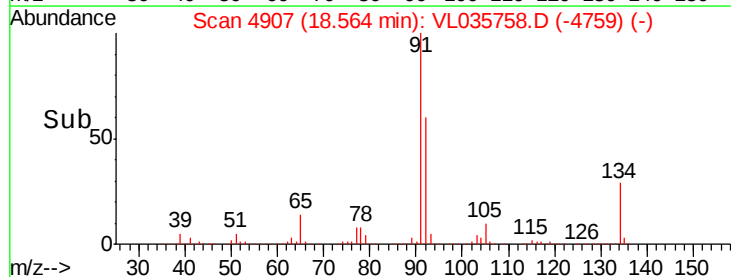
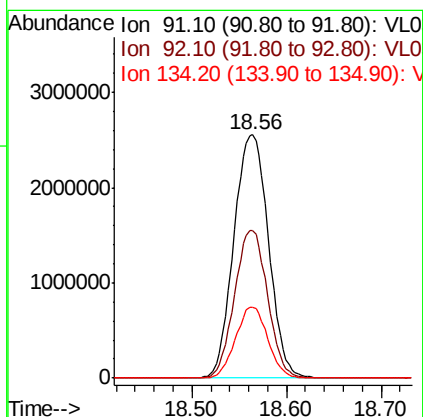
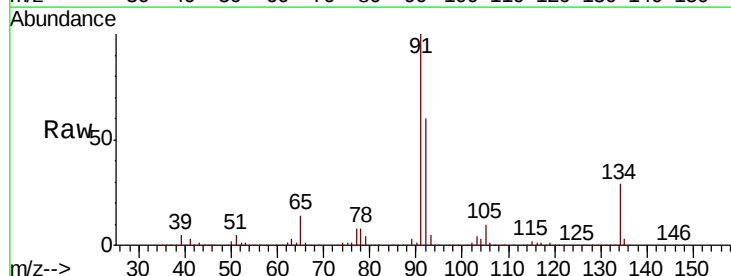
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

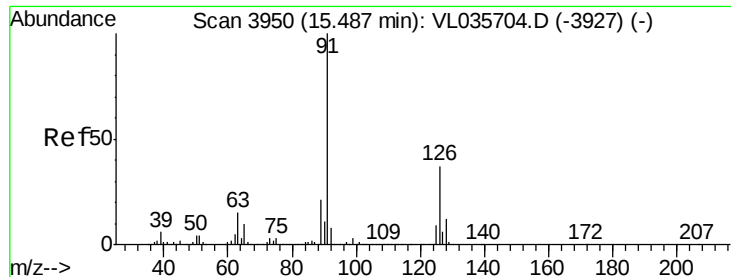
Tot Ion:119 Resp: 6538427
 Ion Ratio Lower Upper
 119 100
 134 29.5 23.9 35.9
 91 29.4 23.8 35.6



#70
 n-Butylbenzene
 Concen: 8.131 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 91 Resp: 6501882
 Ion Ratio Lower Upper
 91 100
 92 58.0 47.0 70.4
 134 27.0 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.758 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

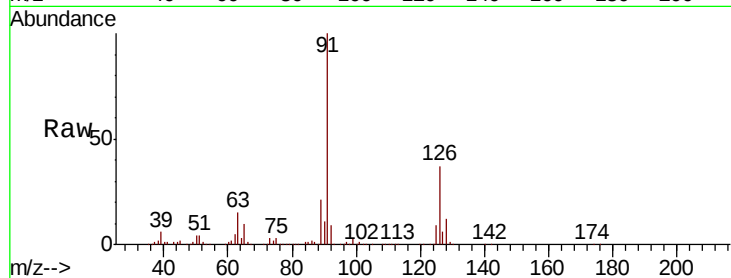
VL1012ABS01

Tot Ion: 91 Resp: 4856535

Ion Ratio Lower Upper

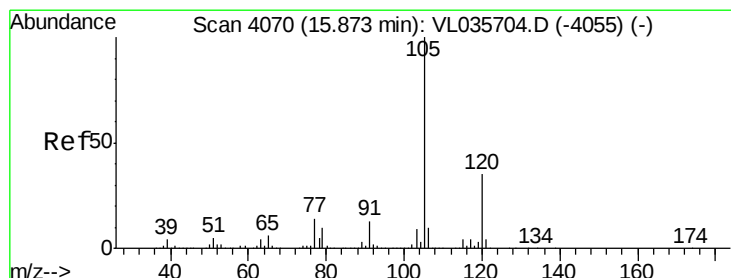
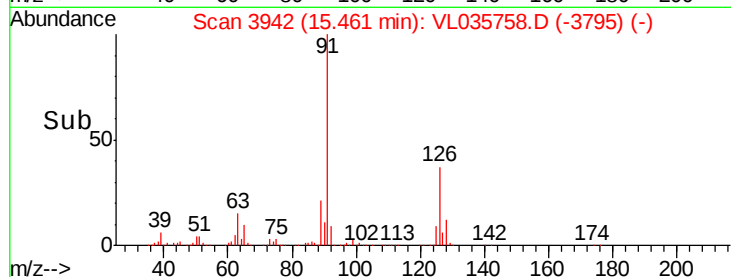
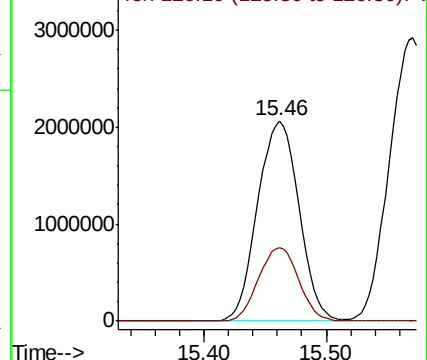
91 100

126 35.8 14.4 57.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.843 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion:105 Resp: 5134844

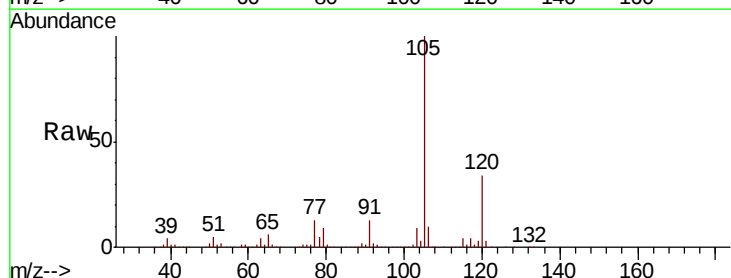
Ion Ratio Lower Upper

105 100

120 33.0 26.5 39.7

91 12.5 10.2 15.2

77 12.8 10.3 15.5

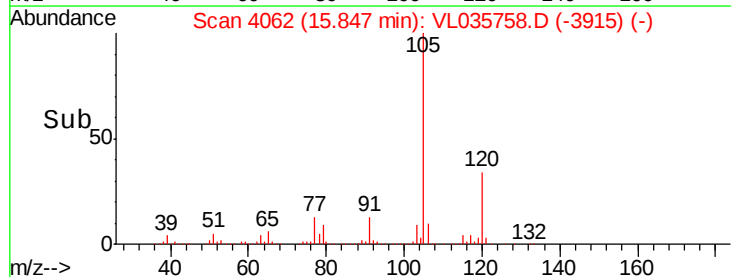
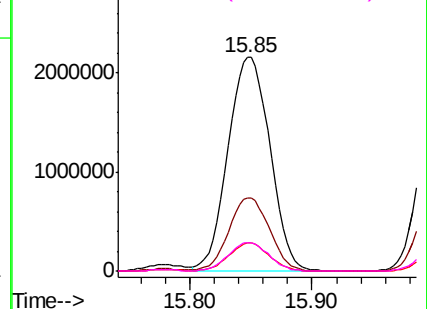


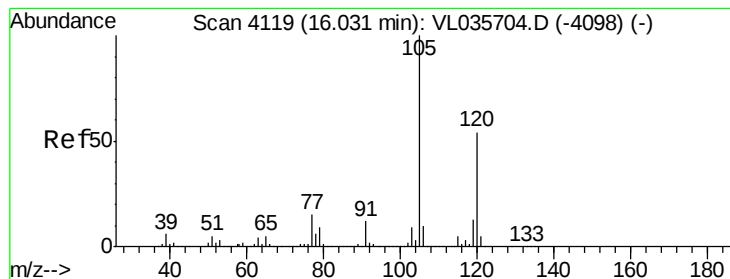
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.722 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

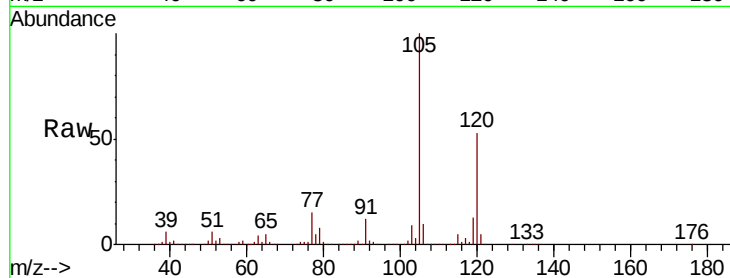
VL1012ABS01

Tot Ion:105 Resp: 4785550

Ion Ratio Lower Upper

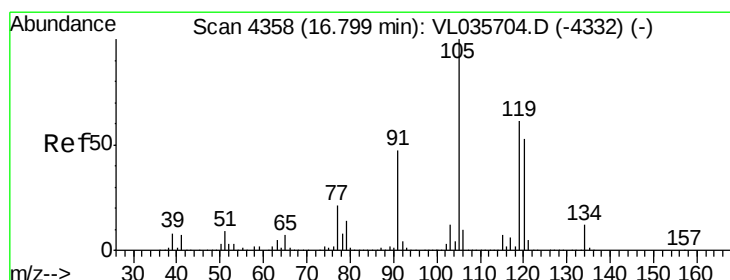
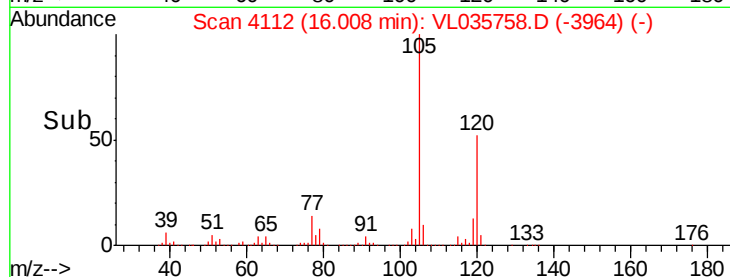
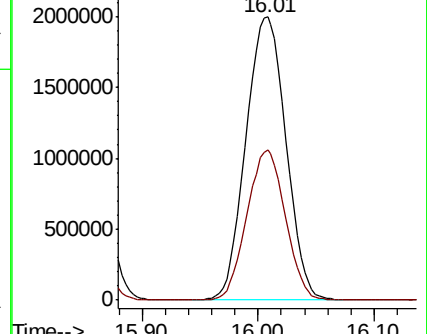
105 100

120 53.0 43.0 64.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.039 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion:105 Resp: 4972599

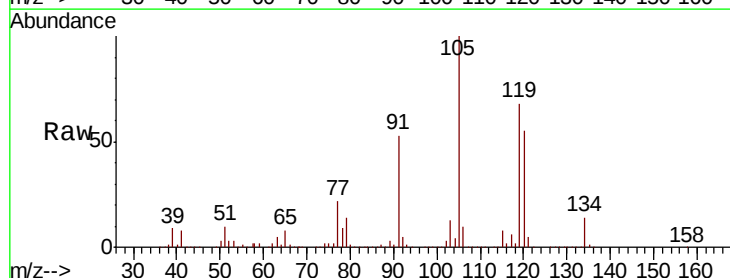
Ion Ratio Lower Upper

105 100

120 54.6 42.5 63.7

91 52.6 37.7 56.5

77 22.3 16.7 25.1

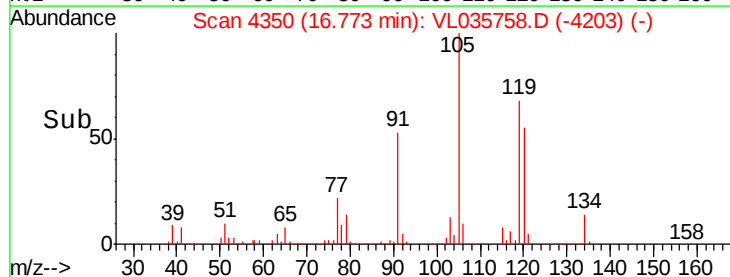
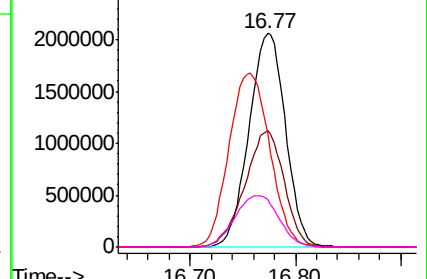


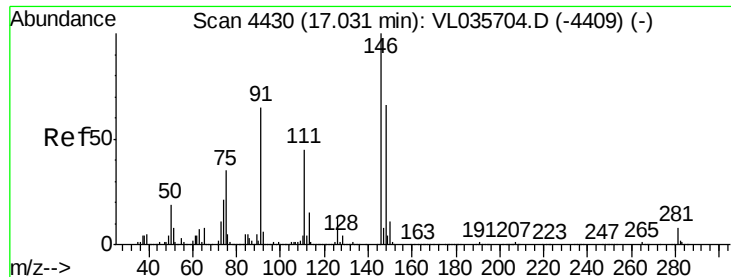
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO





#75

1,3-Dichlorobenzene

Concen: 7.751 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

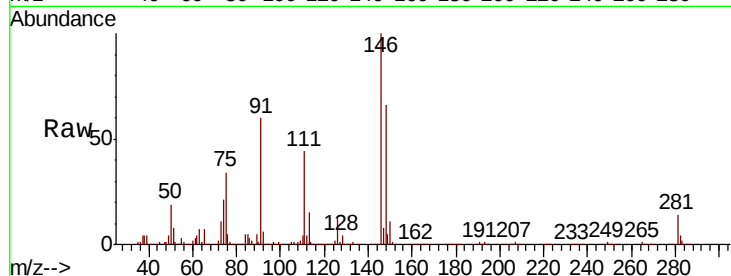
Tot Ion:146 Resp: 3273351

Ion Ratio Lower Upper

146 100

111 44.3 22.4 67.0

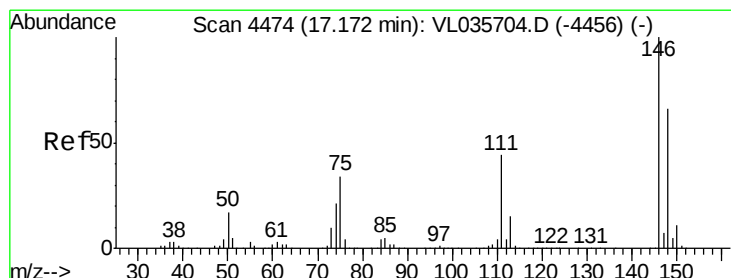
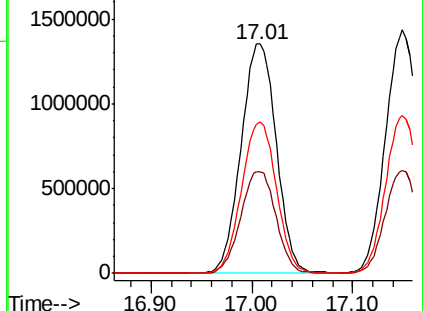
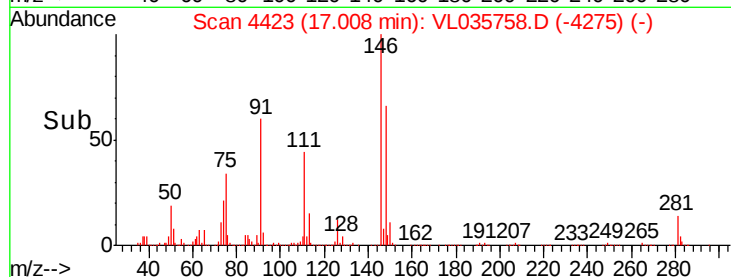
148 65.5 33.0 99.0



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



#76

1,4-Dichlorobenzene

Concen: 8.130 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

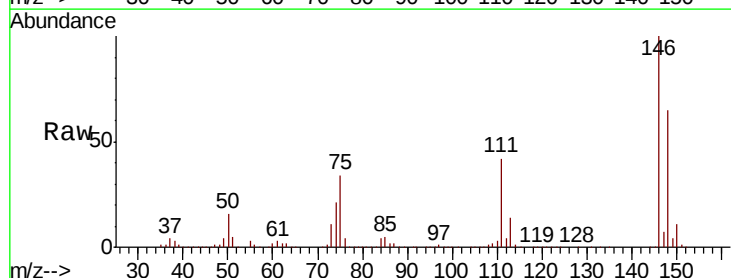
Tgt Ion:146 Resp: 3281803

Ion Ratio Lower Upper

146 100

111 42.7 21.4 64.3

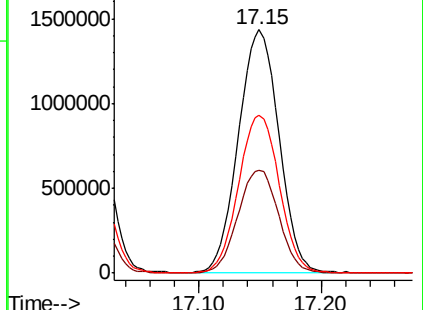
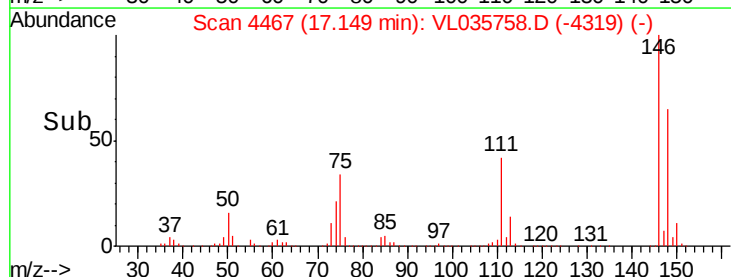
148 65.8 32.6 98.0

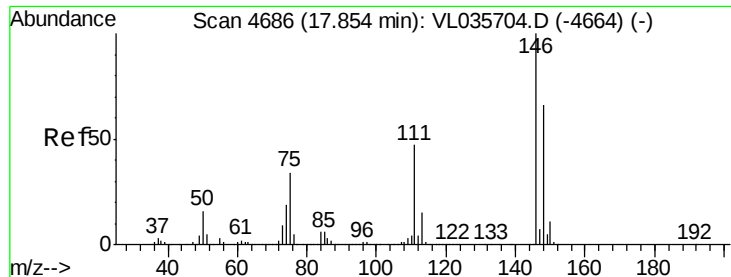


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

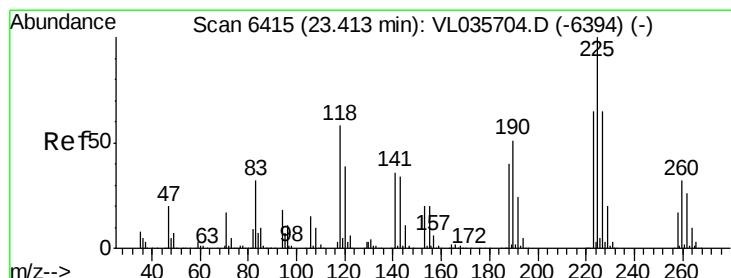
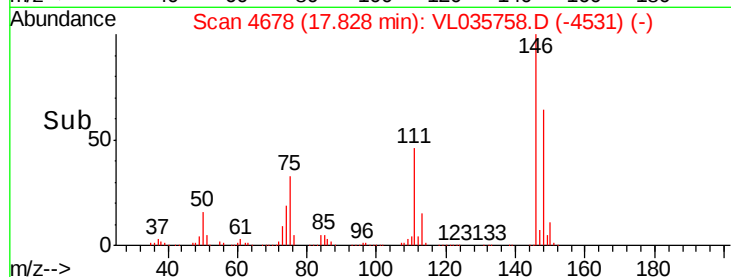
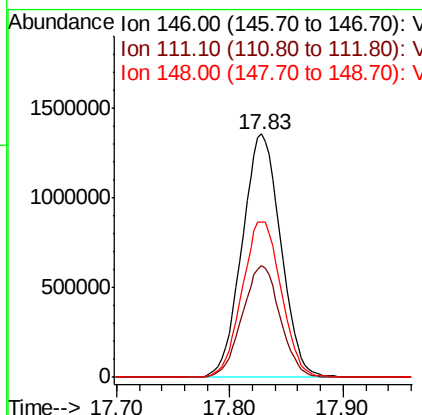
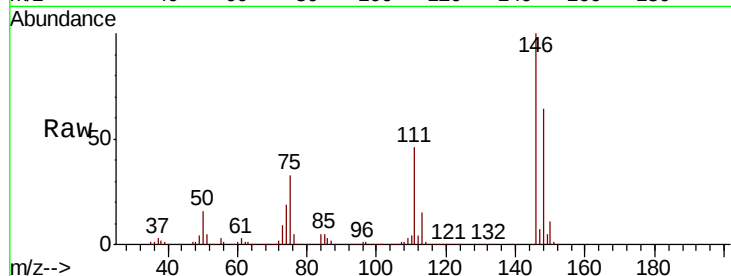




#77
 1,2-Dichlorobenzene
 Concen: 8.058 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

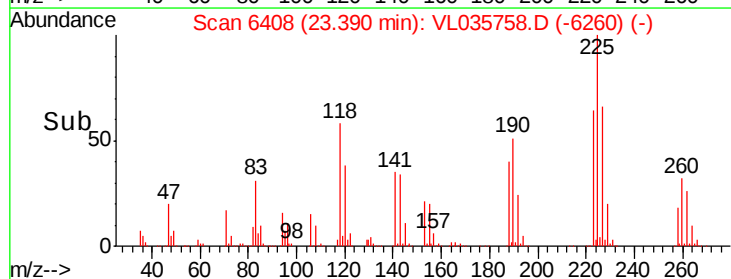
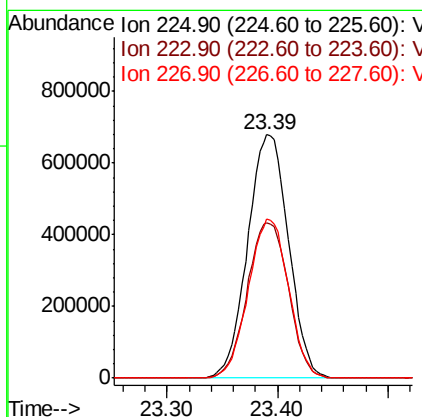
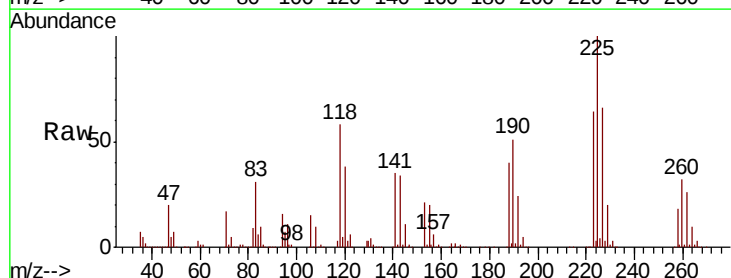
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

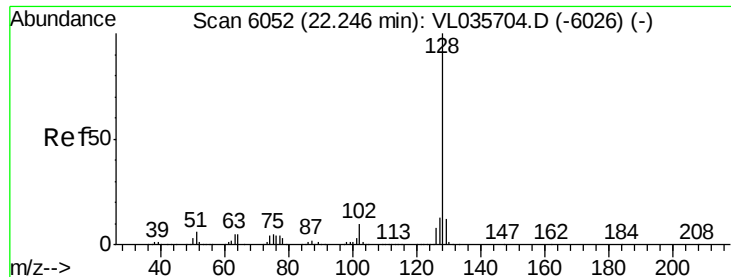
Tot Ion:146 Resp: 3214042
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.5
 148 65.0 32.6 98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.906 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion:225 Resp: 1739651
 Ion Ratio Lower Upper
 225 100
 223 64.5 51.3 76.9
 227 64.3 51.6 77.4





#79

Naphthalene

Concen: 8.107 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

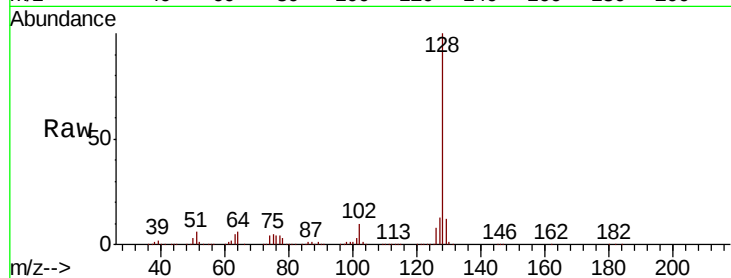
MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion:128 Resp: 4782644

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	12.2	9.4	14.0

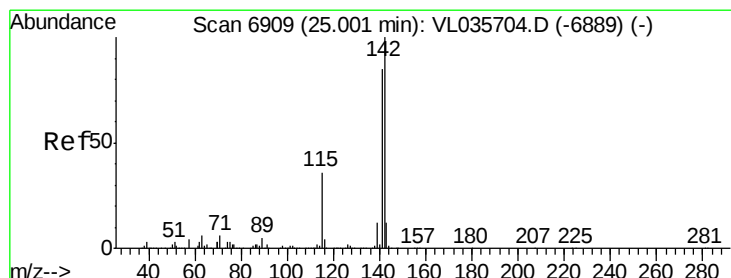
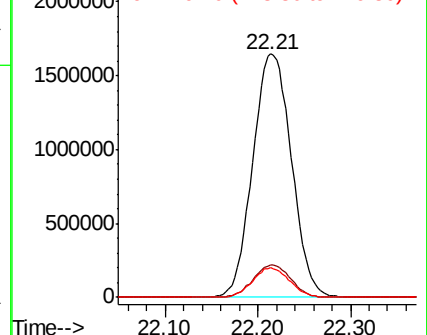
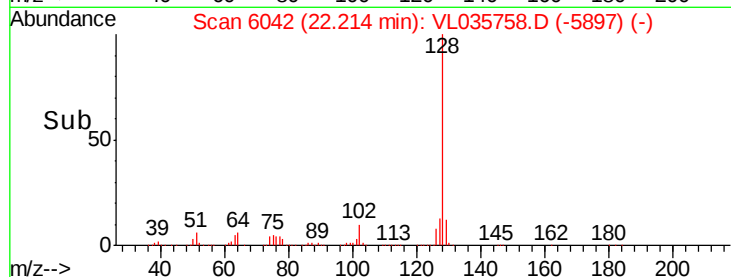


Abundance

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: 8.719 ppbv

RT: 24.99 min Scan# 6904

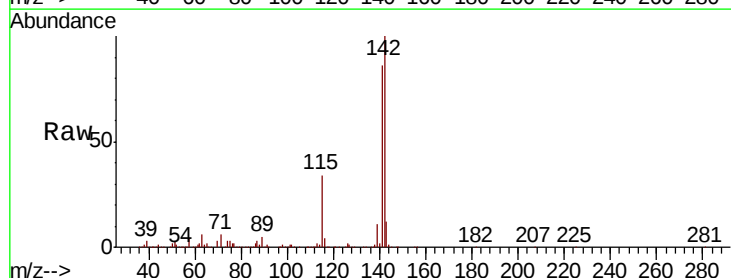
Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion:142 Resp: 1213256

Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.2	102.4
115	33.8	27.8	41.6

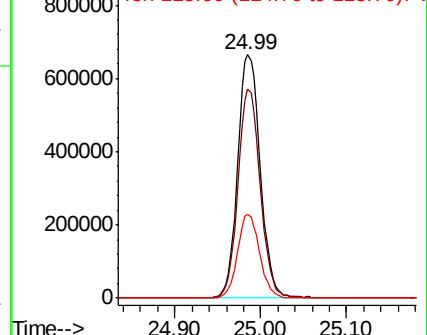
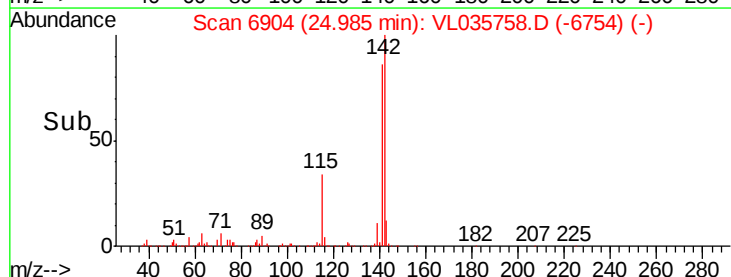


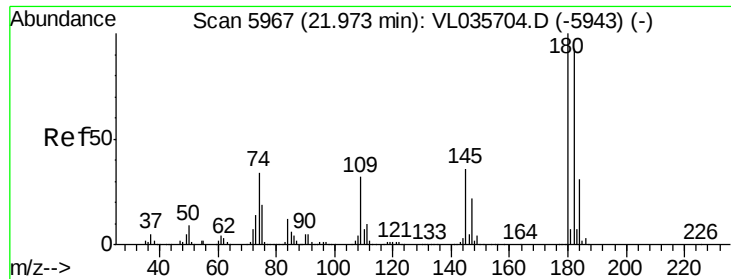
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.169 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

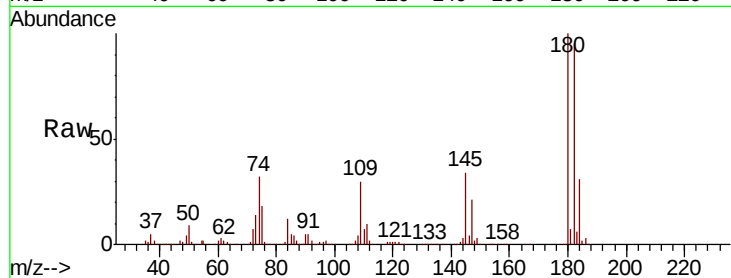
Tot Ion:180 Resp: 2497414

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

184 30.9 24.6 37.0



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

