

Data File : VL037152.D

Acq On : 14 Jun 2021 17:09

Operator : SY/AP

Sample : VSTDICV010

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Quant Time: Jun 14 19:29:23 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061421AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021

QLast Update : Mon Jun 14 16:49:11 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1571631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4647800	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5460727	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3292482	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1938464	7.744	ppbv	100
3) Chlorodifluoromethane	3.00	51	2829498	9.597	ppbv	100
4) Chloromethane	3.15	50	967510	9.631	ppbv	97
5) Vinyl Chloride	3.27	62	1078066	11.093	ppbv	98
6) Bromomethane	3.48	94	632884	10.237	ppbv	98
7) Chloroethane	3.57	64	368617	9.720	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	2537169	9.487	ppbv	100
9) Propene	3.02	41	926251	9.525	ppbv	98
10) Heptane	8.14	43	2351279	10.142	ppbv	99
11) Trichlorofluoromethane	3.96	101	2812233	9.903	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1953126	10.025	ppbv	98
13) Ethanol	3.62	45	123408	9.184	ppbv	92
14) Bromoethene	3.75	108	868920	10.308	ppbv	100
15) Acetone	3.86	43	1400234	7.446	ppbv	98
16) 1,3-Butadiene	3.33	39	1029018	10.134	ppbv	99
17) tert-Butyl alcohol	4.30	59	1779135	10.931	ppbv	100
18) 1,1-Dichloroethene	4.30	96	884245	10.061	ppbv	96
19) Isopropyl Alcohol	3.98	45	1075722	10.424	ppbv	100
20) Methylene Chloride	4.36	84	723298	8.825	ppbv	94
21) Allyl Chloride	4.42	41	1285017	10.228	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	908222	10.606	ppbv	98
23) Vinyl Acetate	5.09	43	2641548	10.696	ppbv	99
24) 1,1-Dichloroethane	5.02	63	2053113	10.359	ppbv	99
25) Ethyl Acetate	5.69	43	3730365	10.123	ppbv	99
26) Hexane	5.70	57	1765501	9.634	ppbv	99
27) Carbon Disulfide	4.56	76	2090472	11.251	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2358243	10.274	ppbv	99
29) Chloroform	5.76	83	2901768	9.808	ppbv	100
30) Cyclohexane	7.15	84	1609243	10.072	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1820789	10.309	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	3027425	11.144	ppbv	100
34) 2-Butanone	5.26	43	1773595	10.161	ppbv	99
35) Carbon Tetrachloride	7.03	117	3258504	11.405	ppbv	100
36) Benzene	6.91	78	3703746	10.042	ppbv	100
37) 1,2-Dichloroethane	6.32	62	2202693	10.285	ppbv	100
38) Trichloroethene	7.85	130	1609587	10.100	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1435928	10.198	ppbv	99
40) 1,4-Dioxane	7.85	88	191492	4.857	ppbv #	1
41) Tetrahydrofuran	6.06	42	890476	10.482	ppbv	99
42) Bromodichloromethane	7.81	83	3164440	10.725	ppbv	97
43) Methyl Methacrylate	8.03	69	1391775	11.000	ppbv	99

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Instrument :
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ClientSampleId :
ICVVL061421

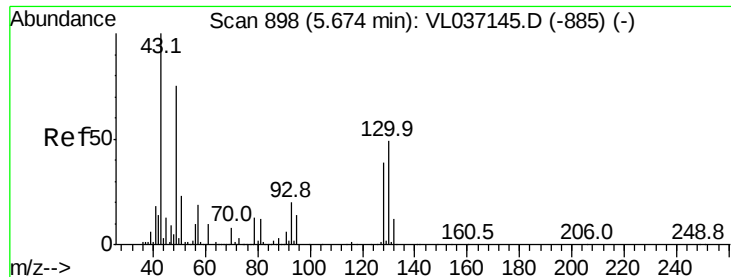
Quant Time: Jun 14 19:29:23 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	6111229	9.900	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1380614	12.108	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1738679	11.429	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1610559	10.084	ppbv	99
48) Dibromochloromethane	10.32	129	2929791	11.371	ppbv	99
49) Bromoform	13.06	173	2403246	11.940	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2703453	10.528	ppbv	99
51) 2-Hexanone	10.16	43	1414149	11.033	ppbv	98
52) Tetrachloroethene	11.24	164	1566510	10.270	ppbv	99
53) Toluene	9.83	91	4504466	10.275	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2438764	10.428	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1953266	8.201	ppbv	97
57) Chlorobenzene	12.17	112	3467127	7.923	ppbv	100
58) Ethyl Benzene	12.73	91	6016420	8.134	ppbv	99
59) m/p-Xylene	13.02	91	5556510	8.840	ppbv #	43
60) o-Xylene	13.71	91	4803958	7.960	ppbv	100
61) Styrene	13.55	104	2819193	8.860	ppbv	100
62) Isopropylbenzene	14.68	105	6703977	7.793	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3246240	8.272	ppbv	100
64) n-propylbenzene	15.58	120	1830657	8.344	ppbv	100
65) tert-Butylbenzene	16.76	119	6152914	7.892	ppbv	99
66) Benzyl Chloride	17.00	91	325984	9.579	ppbv	97
67) sec-Butylbenzene	17.31	105	8115916	7.835	ppbv	100
69) p-Isopropyltoluene	17.67	119	7058394	8.151	ppbv	100
70) n-Butylbenzene	18.57	91	6698910	8.455	ppbv	100
71) 2-Chlorotoluene	15.47	91	4939822	8.050	ppbv	99
72) 4-Ethyltoluene	15.86	105	5881183	8.388	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5290206	7.956	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5556878	8.213	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3445459	8.270	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	3415228	8.254	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3304717	8.045	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2114737	7.262	ppbv	100
79) Naphthalene	22.22	128	4166016	10.230	ppbv	100
80) Naphthalene,2-methyl-	24.99	142	1432859	14.542	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2428516	9.375	ppbv	99

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

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ClientSampleId :

ICVVL061421

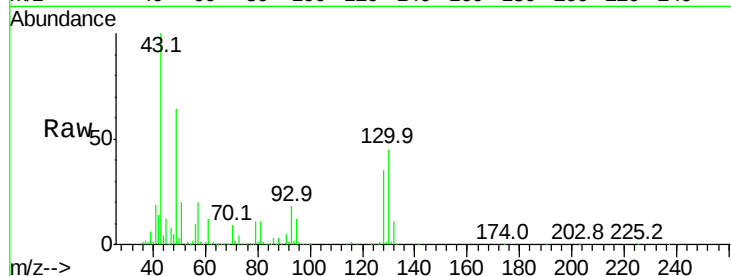
Tgt Ion: 49 Resp: 1571631

Ion Ratio Lower Upper

49 100

128 59.0 28.8 86.5

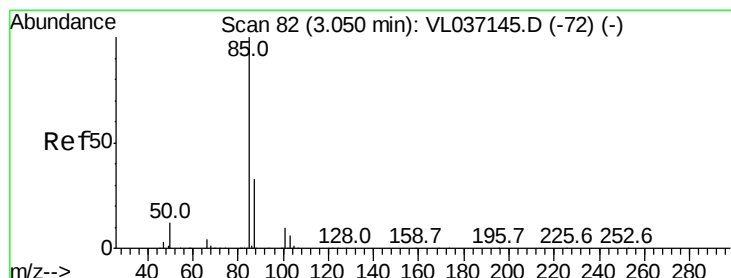
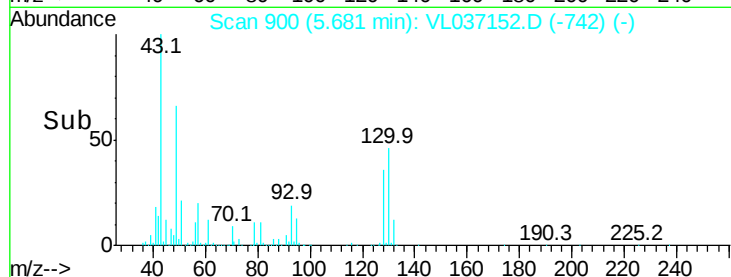
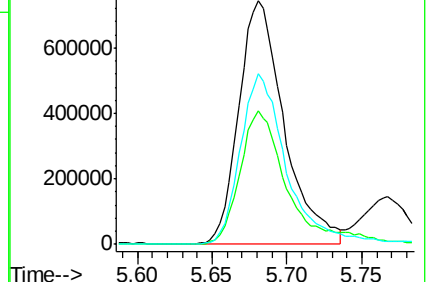
130 72.6 36.0 108.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.744 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL037152.D

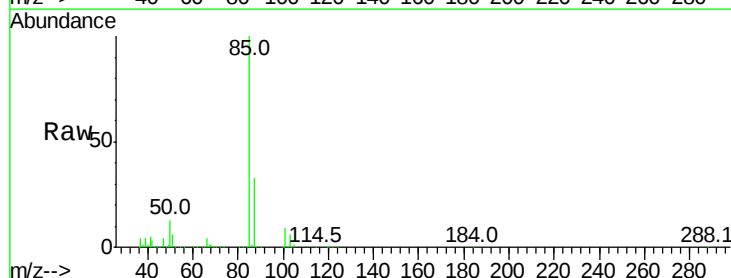
Acq: 14 Jun 2021 17:09

Tgt Ion: 85 Resp: 1938464

Ion Ratio Lower Upper

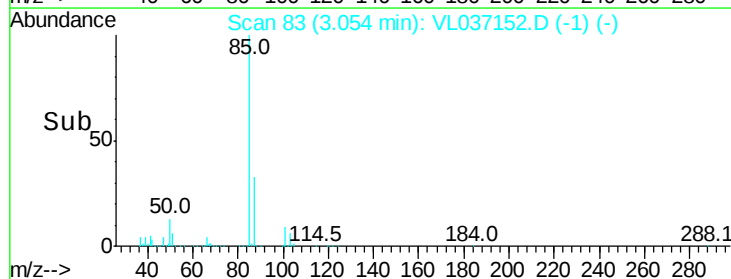
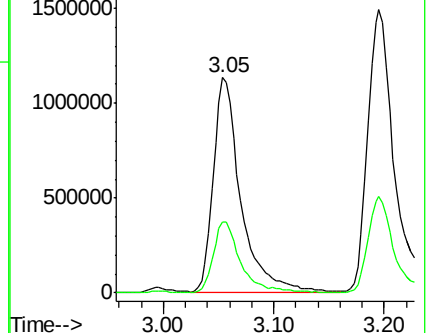
85 100

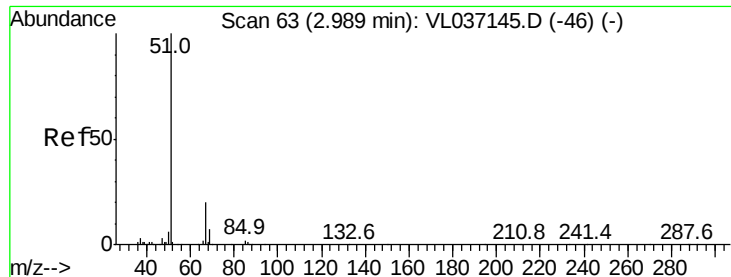
87 32.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.597 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

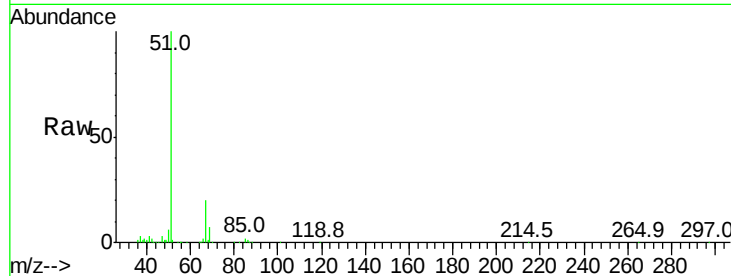
ICVVL061421

Tgt Ion: 51 Resp: 2829498

Ion Ratio Lower Upper

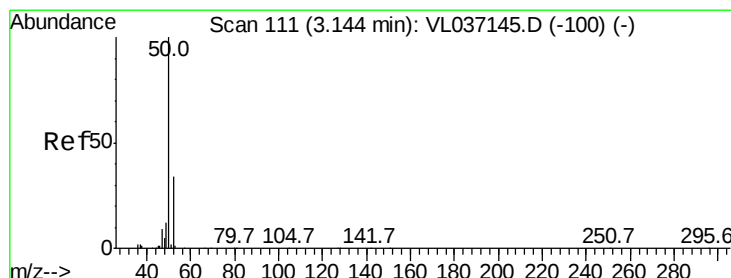
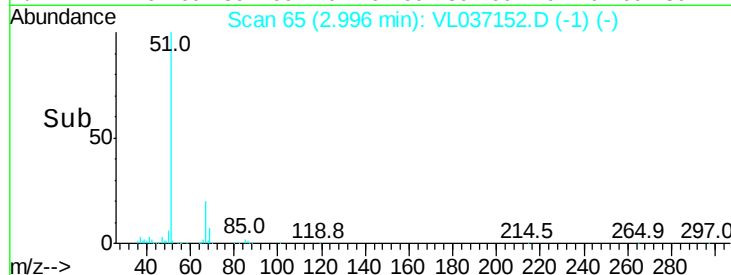
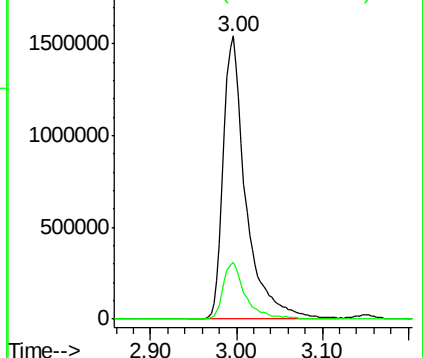
51 100

67 19.9 15.9 23.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.631 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037152.D

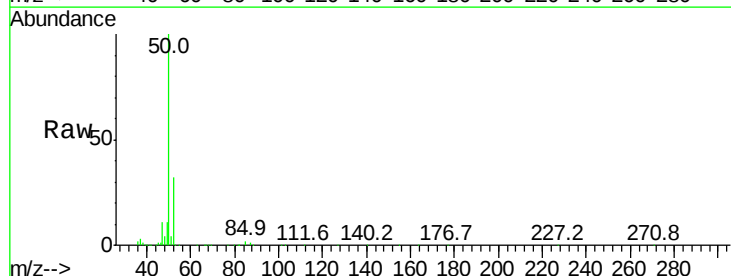
Acq: 14 Jun 2021 17:09

Tgt Ion: 50 Resp: 967510

Ion Ratio Lower Upper

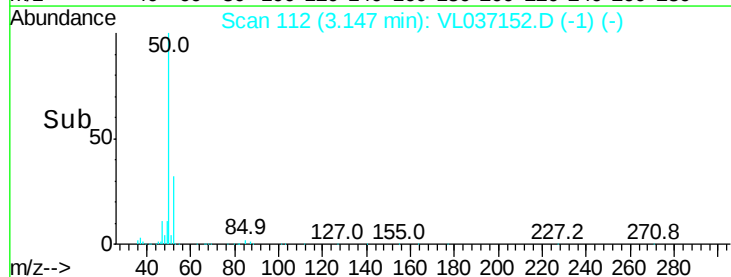
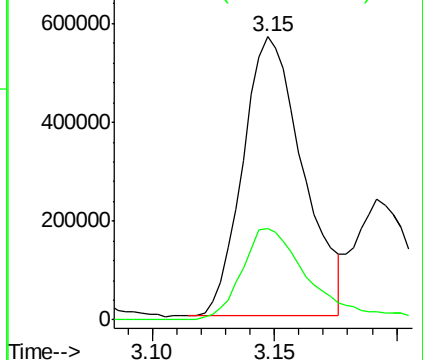
50 100

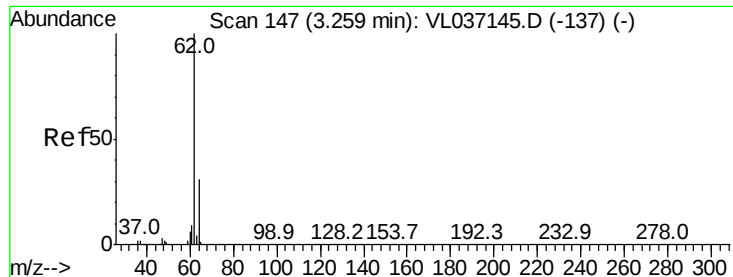
52 32.4 27.4 41.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.093 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

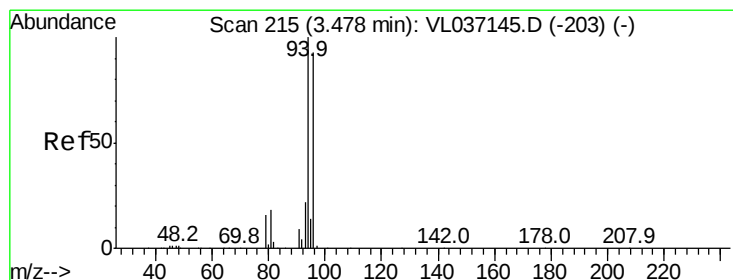
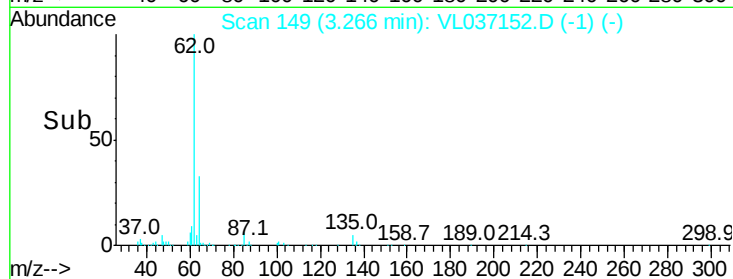
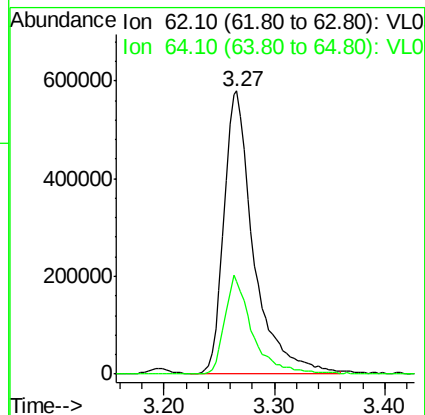
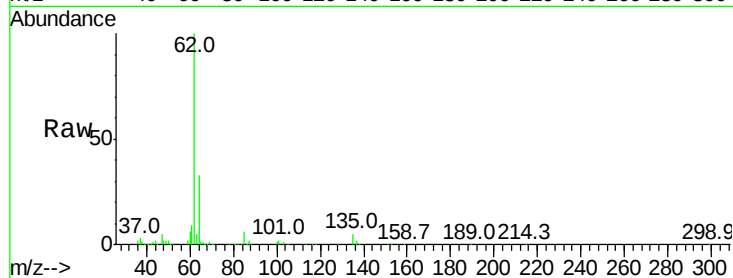
ICVVL061421

Tgt Ion: 62 Resp: 1078066

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8



#6

Bromomethane

Concen: 10.237 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL037152.D

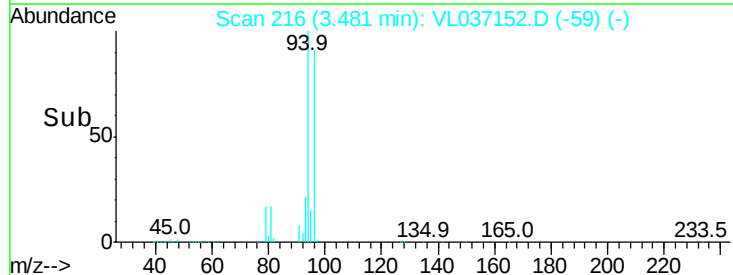
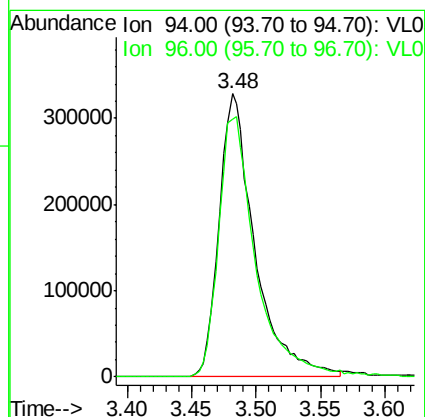
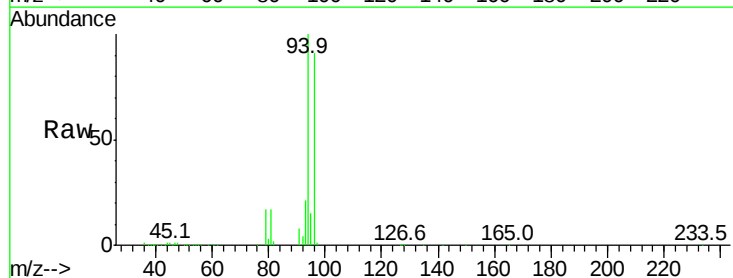
Acq: 14 Jun 2021 17:09

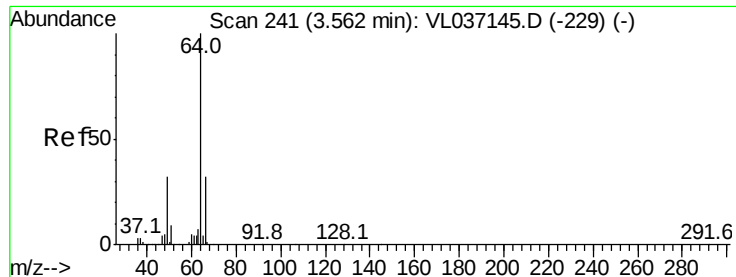
Tgt Ion: 94 Resp: 632884

Ion Ratio Lower Upper

94 100

96 90.9 74.2 111.2





#7

Chloroethane

Concen: 9.720 ppbv

RT: 3.57 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

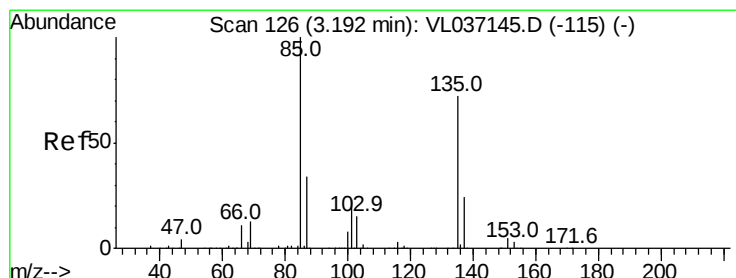
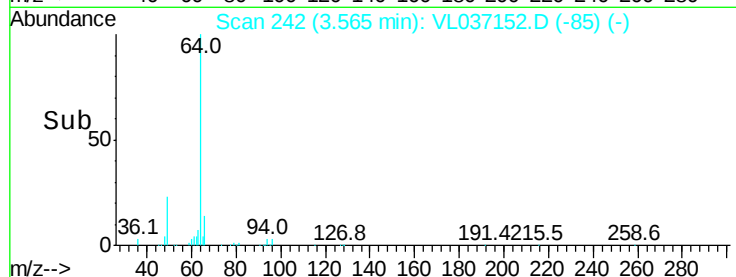
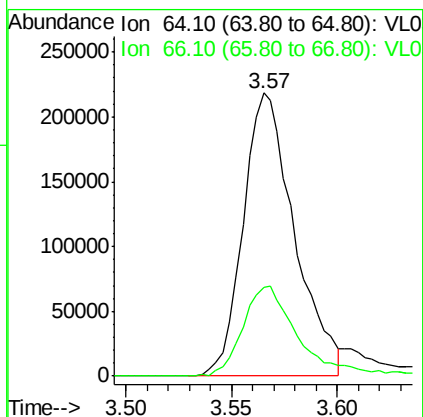
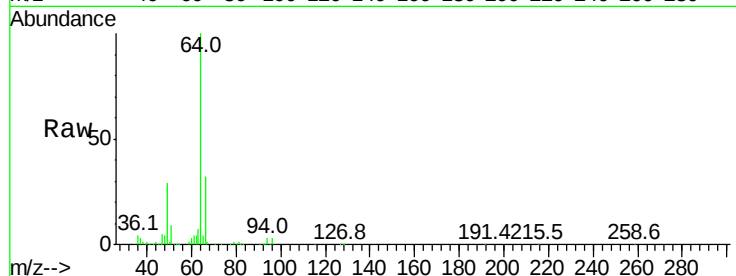
ICVVL061421

Tgt Ion: 64 Resp: 368617

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.487 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL037152.D

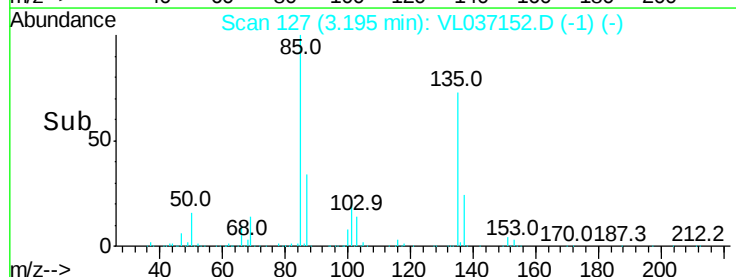
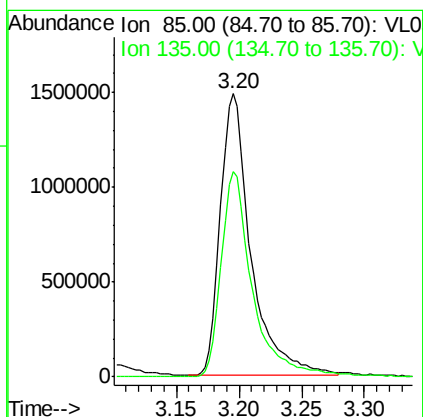
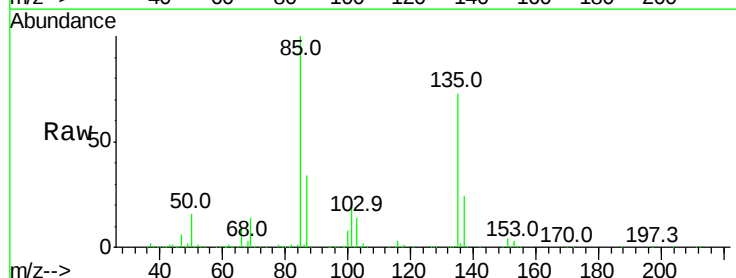
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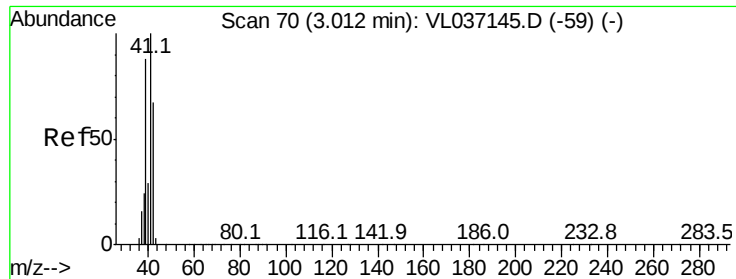
Tgt Ion: 85 Resp: 2537169

Ion Ratio Lower Upper

85 100

135 75.2 60.3 90.5





#9

Propene

Concen: 9.525 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

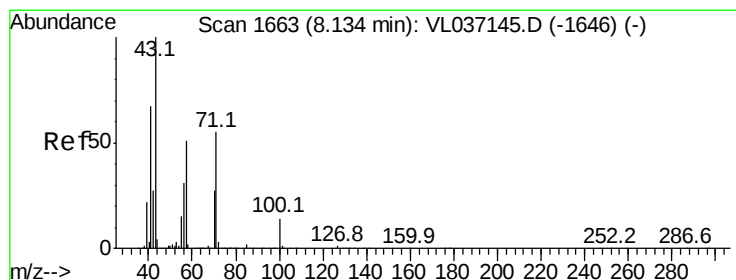
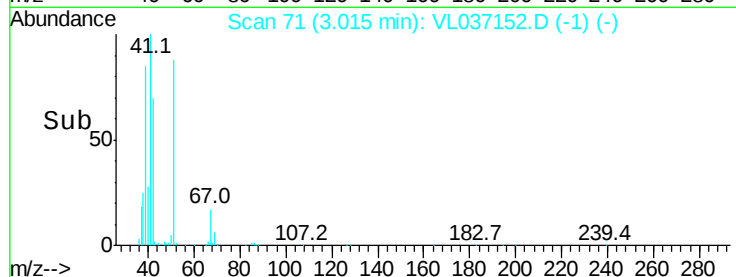
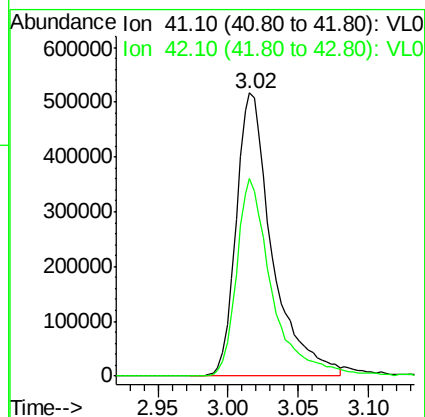
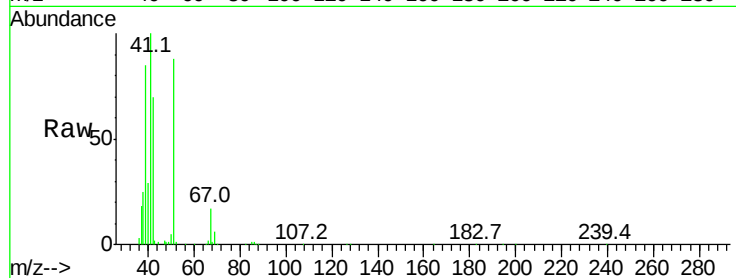
ICVVL061421

Tgt Ion: 41 Resp: 926251

Ion Ratio Lower Upper

41 100

42 69.1 53.8 80.8



#10

Heptane

Concen: 10.142 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL037152.D

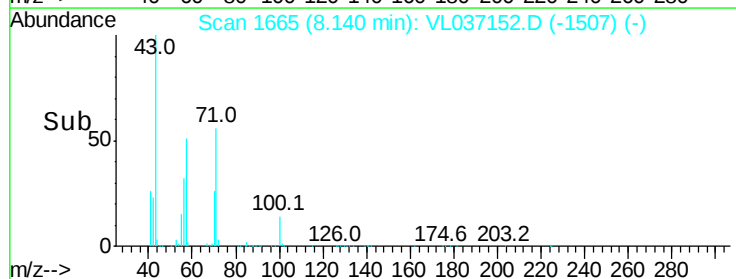
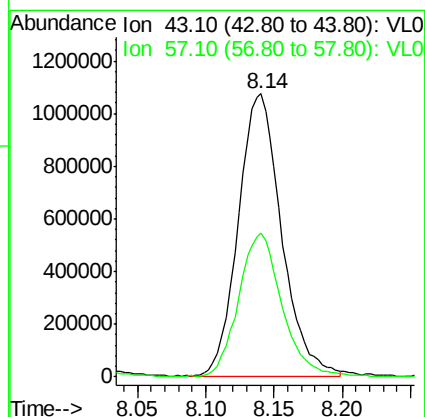
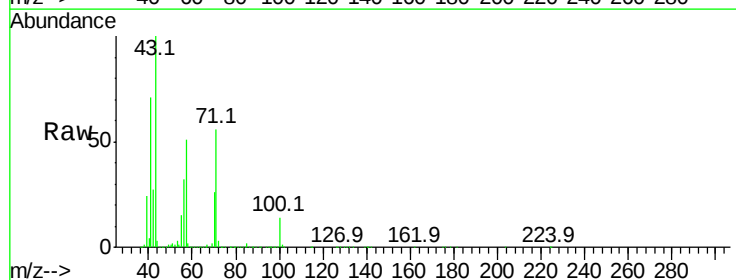
Acq: 14 Jun 2021 17:09

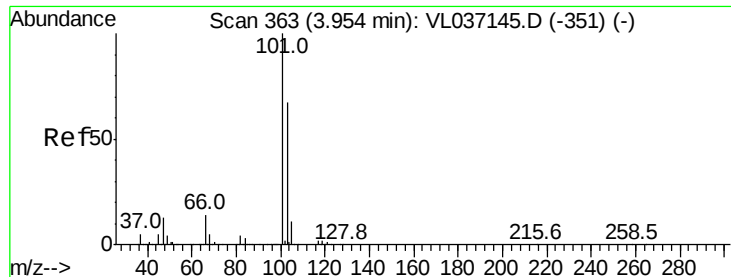
Tgt Ion: 43 Resp: 2351279

Ion Ratio Lower Upper

43 100

57 51.1 40.5 60.7





#11

Trichlorofluoromethane

Concen: 9.903 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

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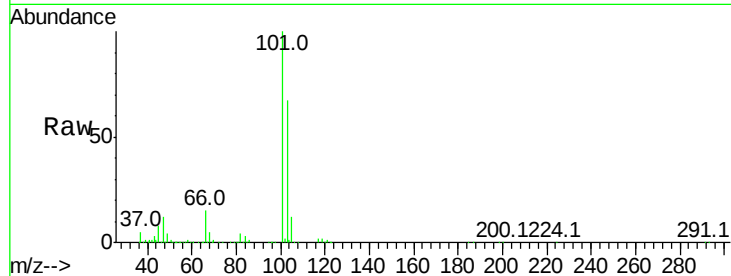
ICVVL061421

Tgt Ion:101 Resp: 2812233

Ion Ratio Lower Upper

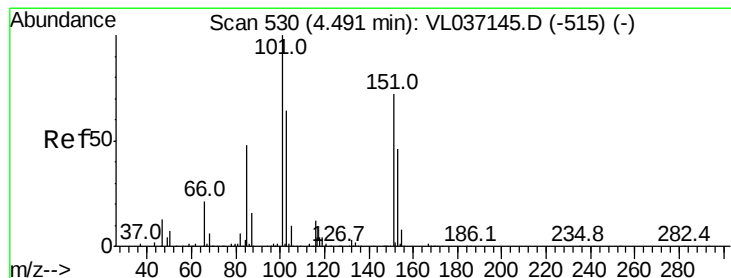
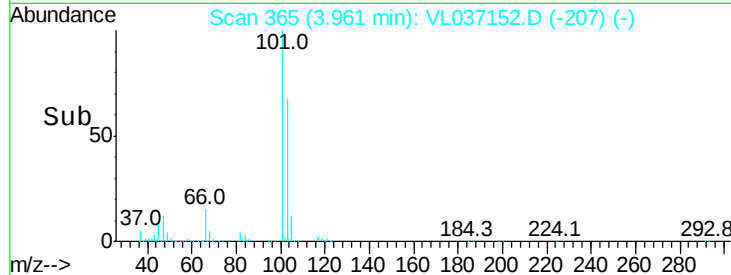
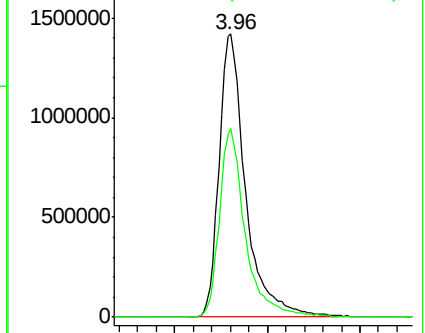
101 100

103 66.6 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.025 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037152.D

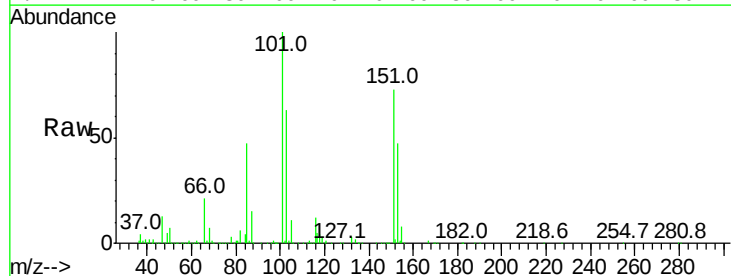
Acq: 14 Jun 2021 17:09

Tgt Ion:101 Resp: 1953126

Ion Ratio Lower Upper

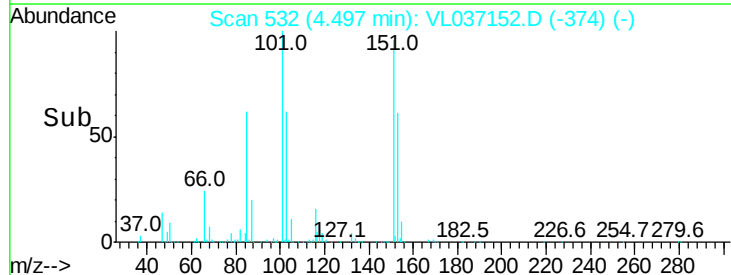
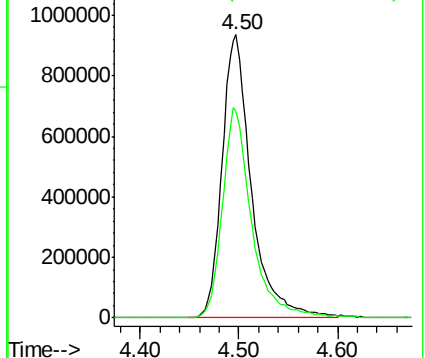
101 100

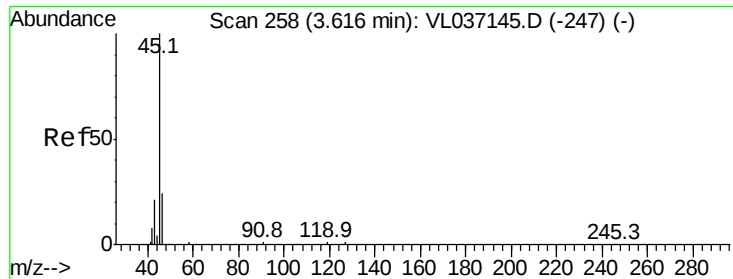
151 74.2 60.5 90.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.184 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

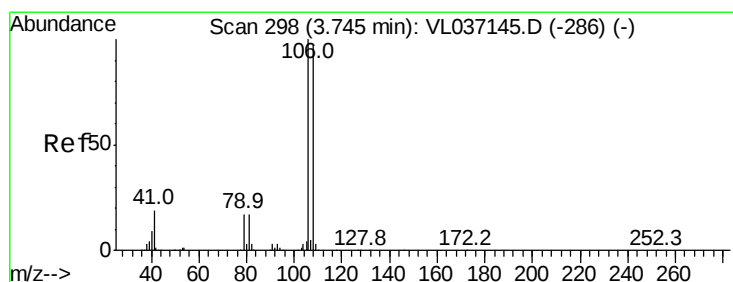
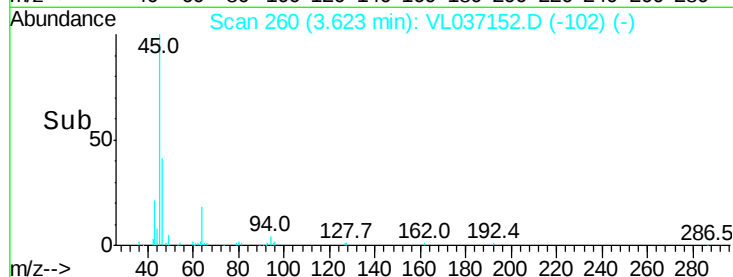
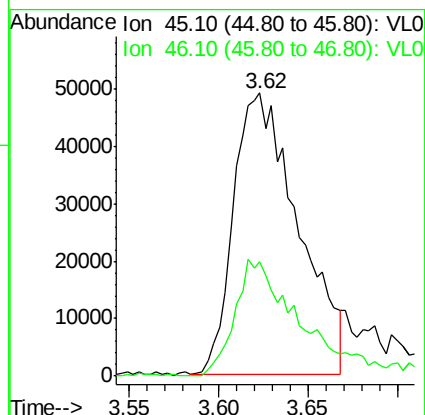
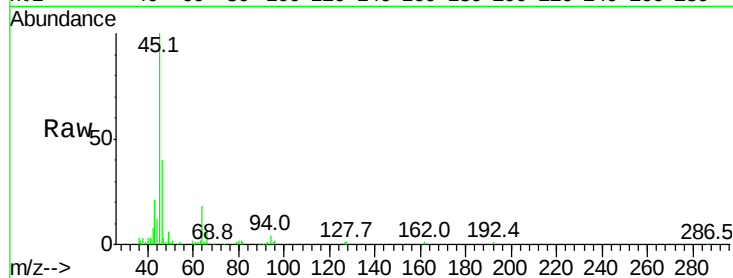
ICVVL061421

Tgt Ion: 45 Resp: 123408

Ion Ratio Lower Upper

45 100

46 43.2 15.4 61.8



#14

Bromoethene

Concen: 10.308 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

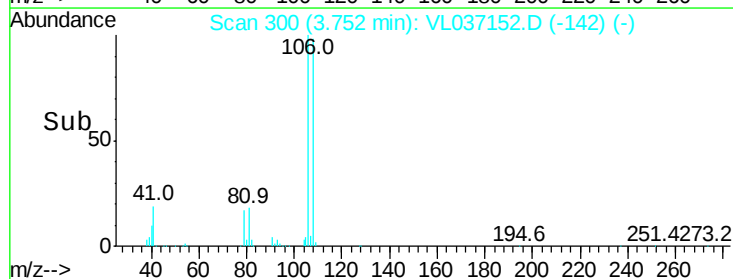
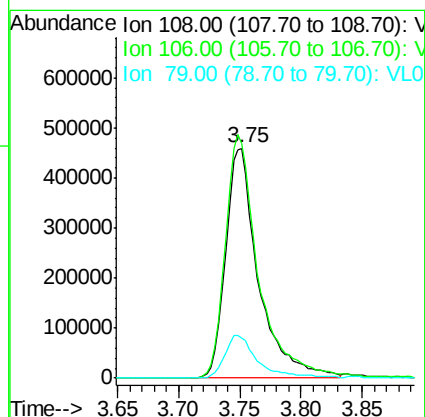
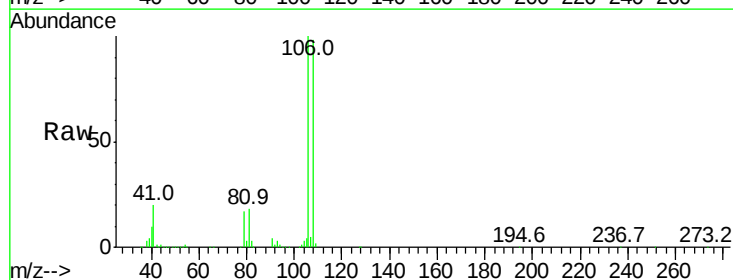
Tgt Ion: 108 Resp: 868920

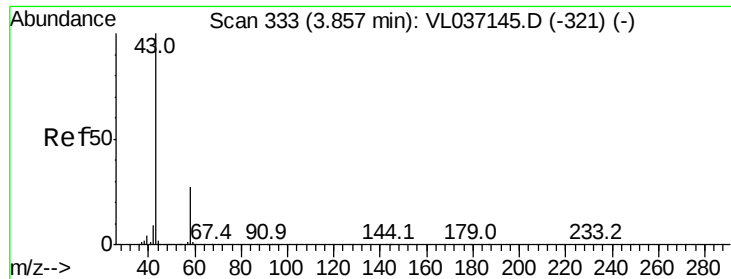
Ion Ratio Lower Upper

108 100

106 107.7 86.5 129.7

79 19.0 15.4 23.2





#15

Acetone

Concen: 7.446 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

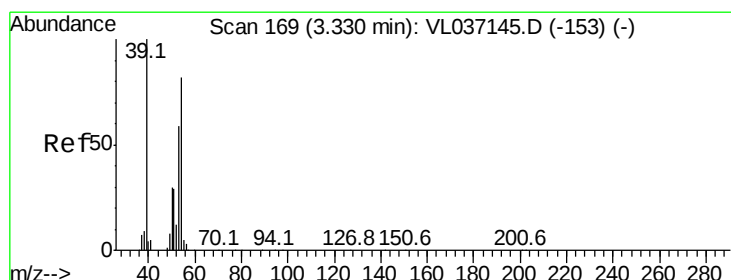
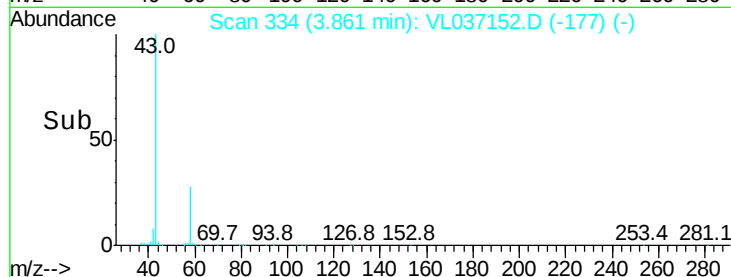
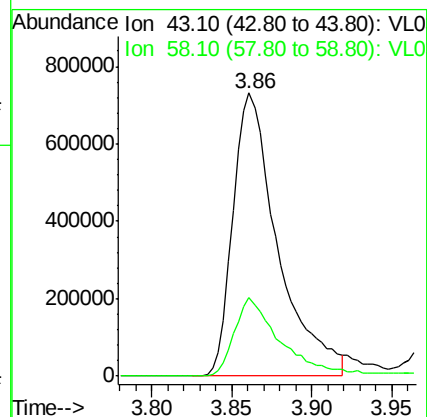
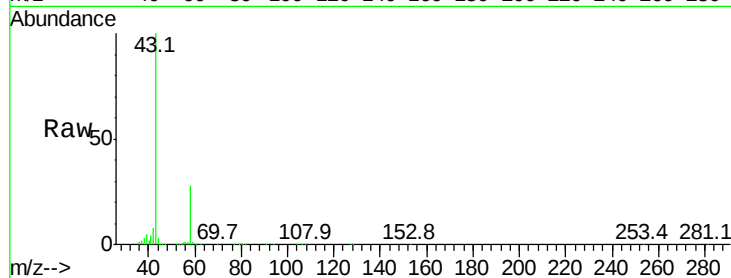
ICVVL061421

Tgt Ion: 43 Resp: 1400234

Ion Ratio Lower Upper

43 100

58 29.7 23.0 34.6



#16

1,3-Butadiene

Concen: 10.134 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL037152.D

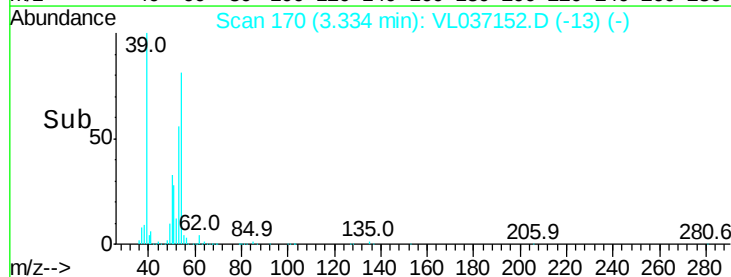
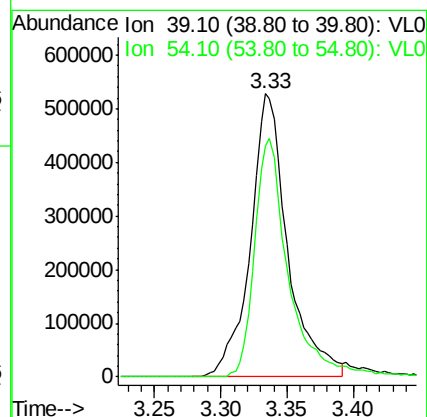
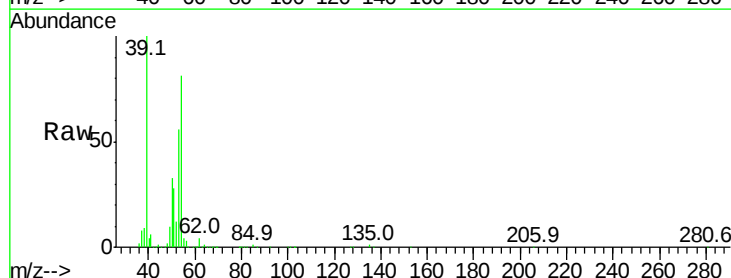
Acq: 14 Jun 2021 17:09

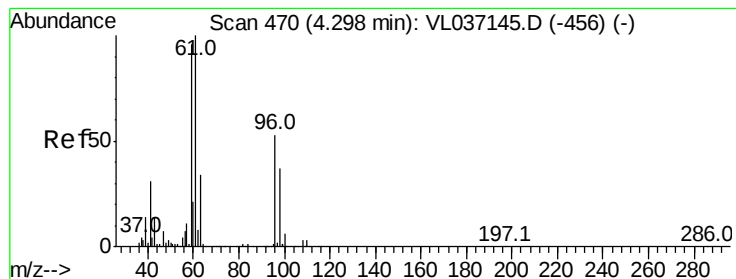
Tgt Ion: 39 Resp: 1029018

Ion Ratio Lower Upper

39 100

54 77.8 61.8 92.6





#17

tert-Butyl alcohol

Concen: 10.931 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

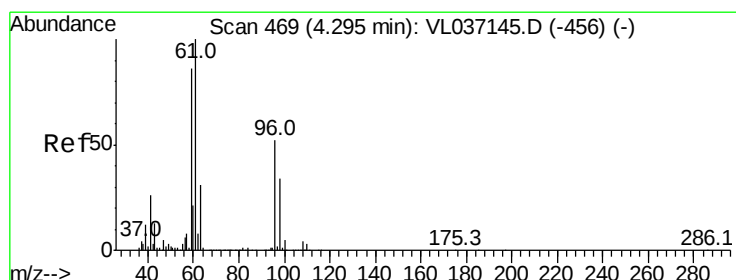
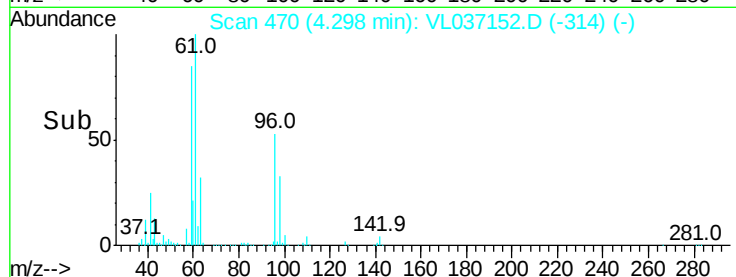
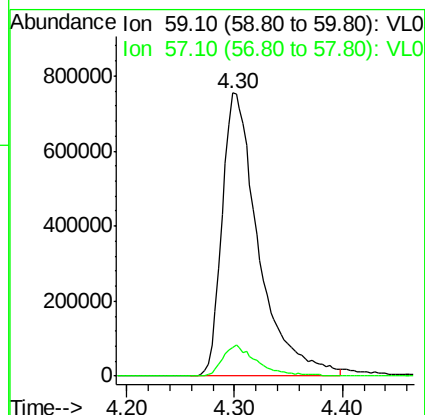
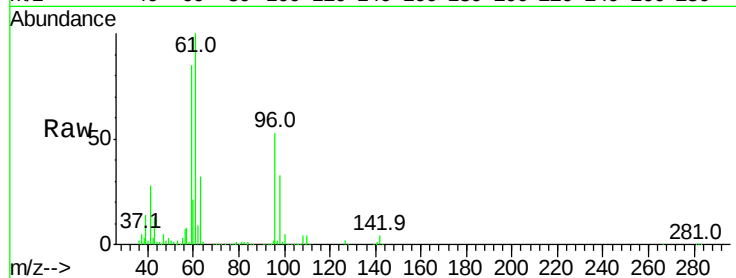
ICVVL061421

Tgt Ion: 59 Resp: 1779135

Ion Ratio Lower Upper

59 100

57 11.0 8.8 13.2



#18

1,1-Dichloroethene

Concen: 10.061 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

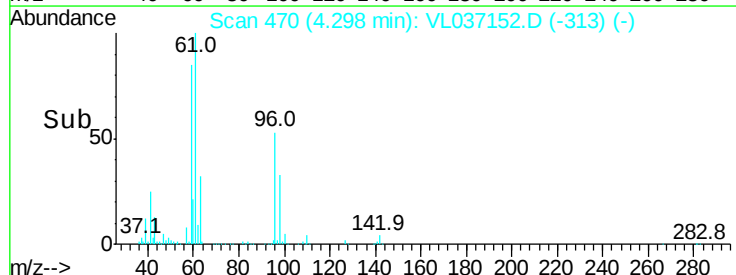
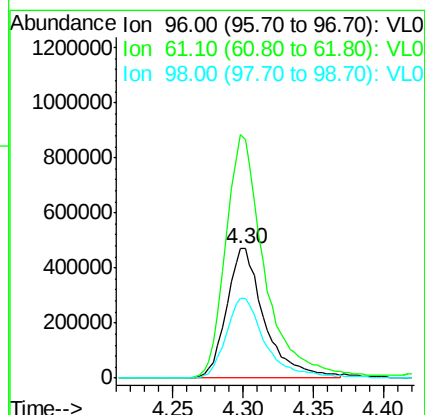
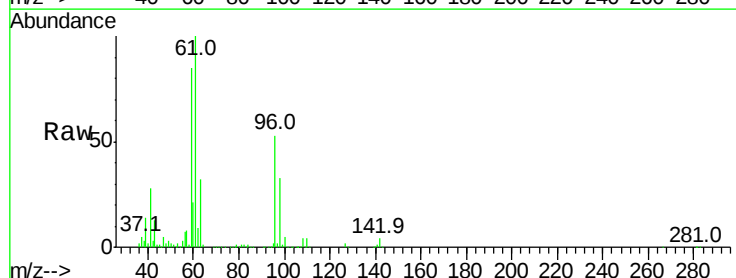
Tgt Ion: 96 Resp: 884245

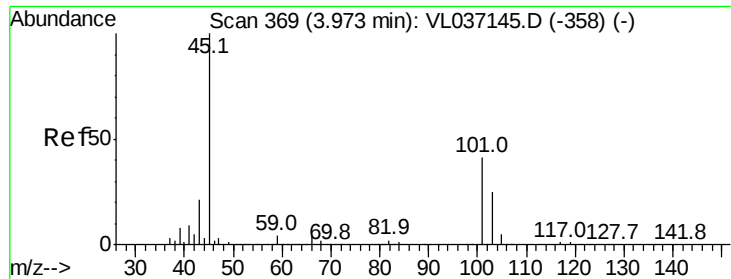
Ion Ratio Lower Upper

96 100

61 187.7 154.0 231.0

98 61.5 52.3 78.5





#19

Isopropyl Alcohol

Concen: 10.424 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

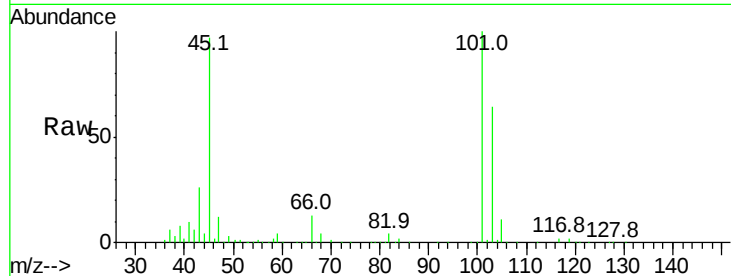
ICVVL061421

Tgt Ion: 45 Resp: 1075722

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

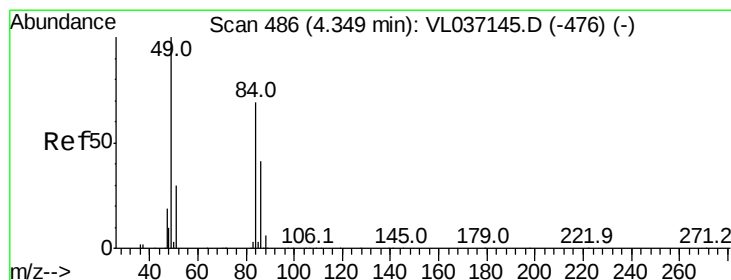
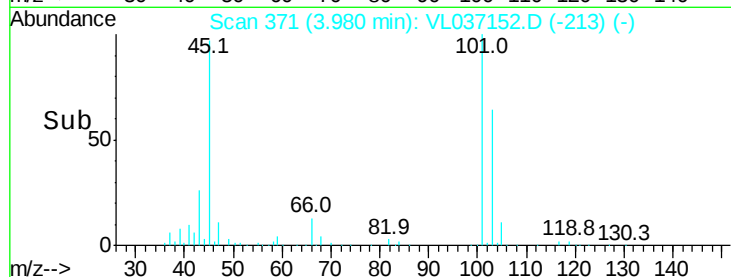
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.825 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion: 84 Resp: 723298

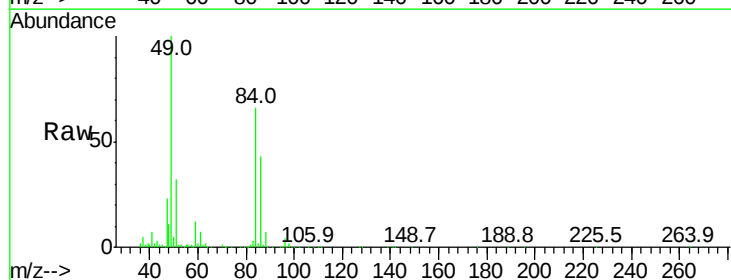
Ion Ratio Lower Upper

84 100

49 149.8 115.3 172.9

51 46.5 34.2 51.4

86 66.1 47.8 71.6



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

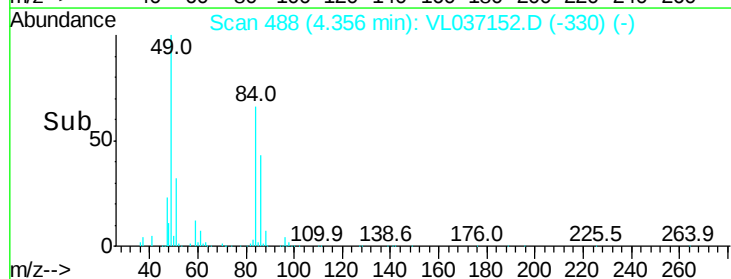
600000

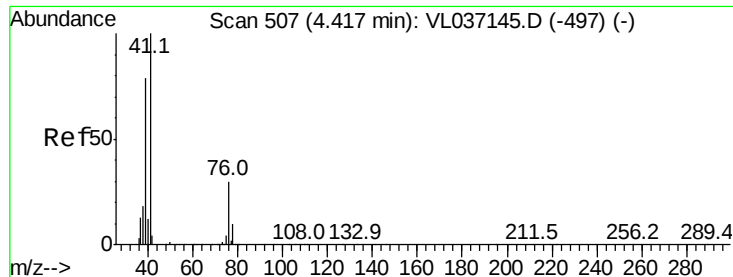
400000

200000

0

Time-->





#21

Allyl Chloride

Concen: 10.228 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.01 min

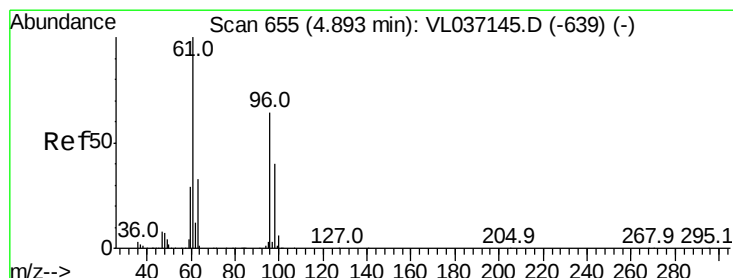
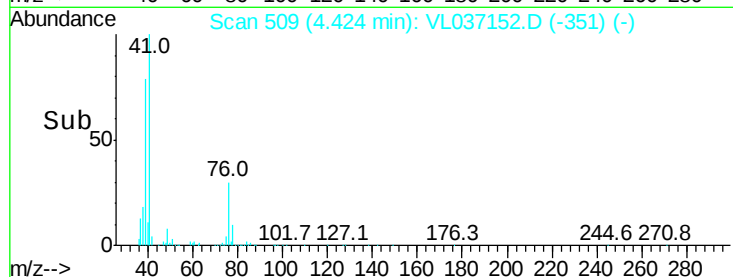
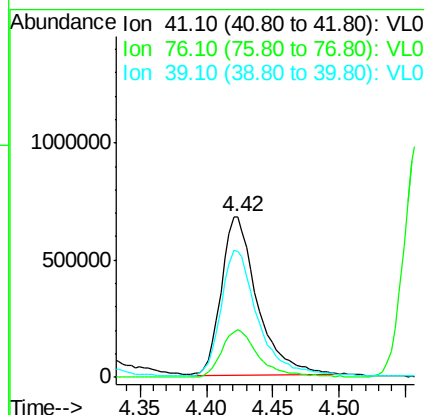
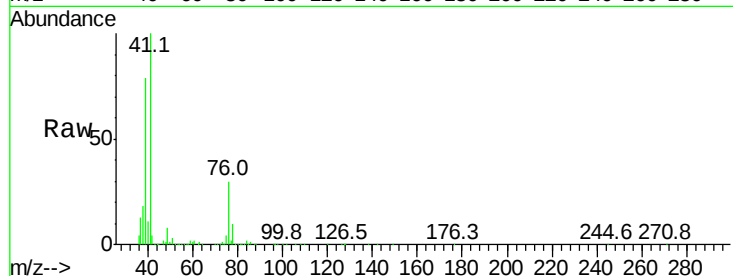
Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tgt Ion: 41 Resp: 1285017

Ion	Ratio	Lower	Upper
41	100		
76	31.3	25.2	37.8
39	82.0	66.2	99.2



#22

trans-1,2-Dichloroethene

Concen: 10.606 ppbv

RT: 4.90 min Scan# 656

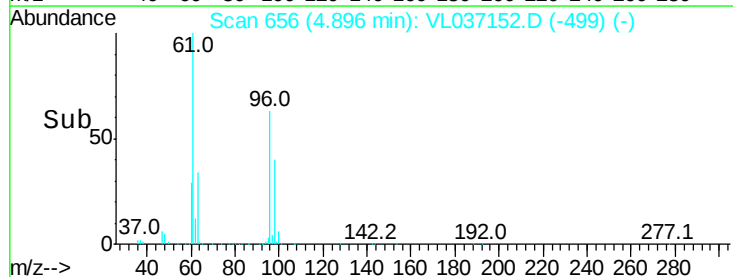
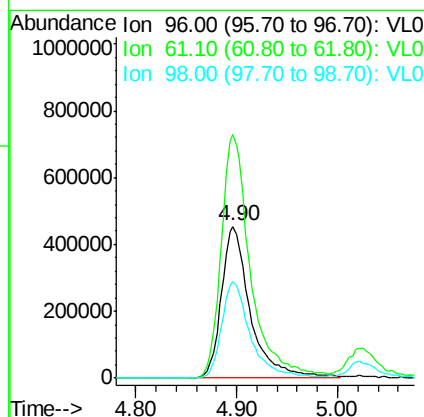
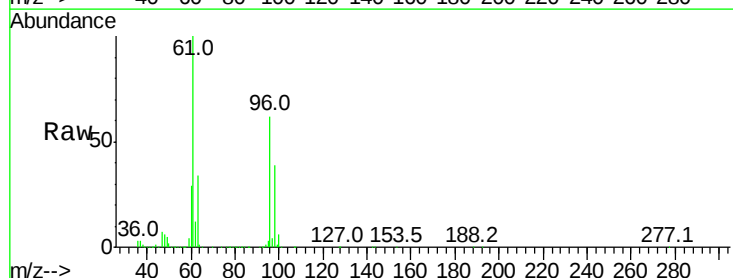
Delta R.T. 0.00 min

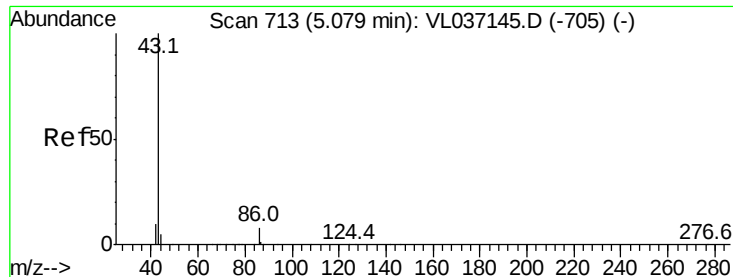
Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion: 96 Resp: 908222

Ion	Ratio	Lower	Upper
96	100		
61	160.6	125.3	187.9
98	63.3	50.3	75.5





#23

Vinyl Acetate

Concen: 10.696 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tgt Ion: 43 Resp: 2641548

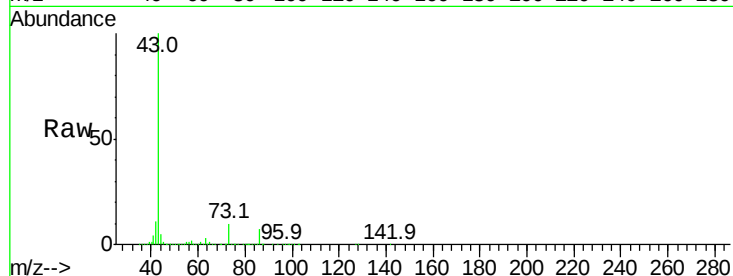
Ion Ratio Lower Upper

43 100

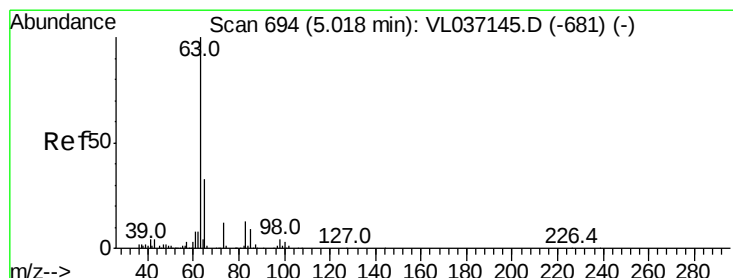
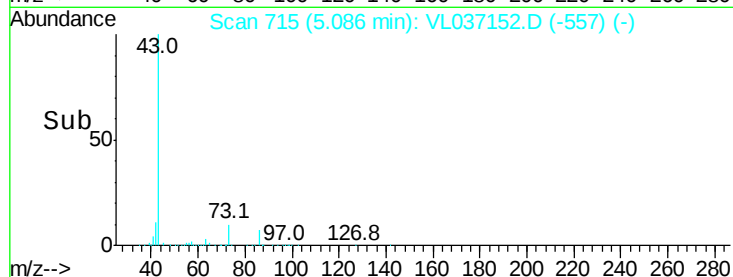
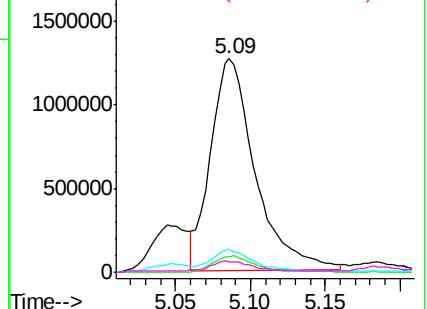
86 7.3 5.4 8.2

42 10.8 8.6 12.8

44 4.7 3.8 5.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.359 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

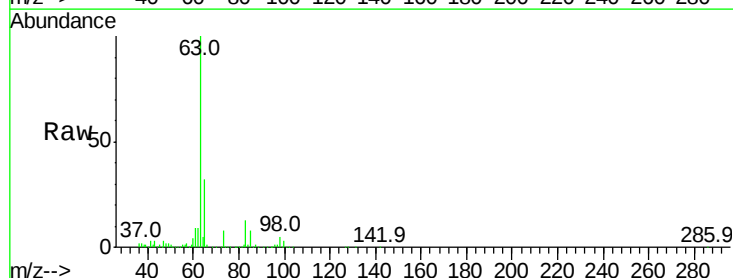
Tgt Ion: 63 Resp: 2053113

Ion Ratio Lower Upper

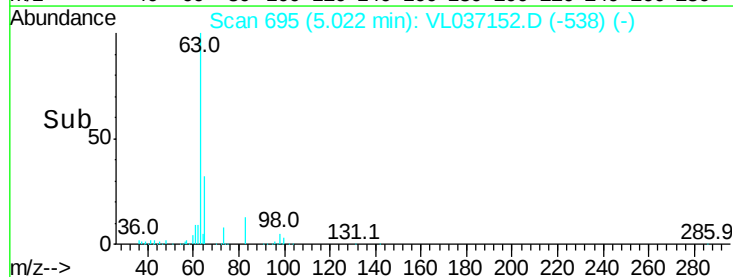
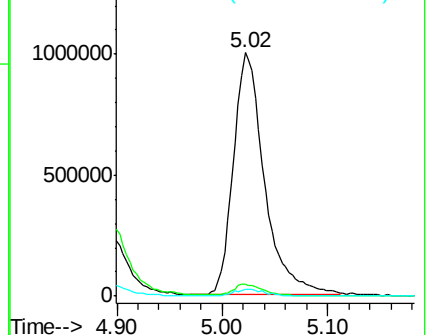
63 100

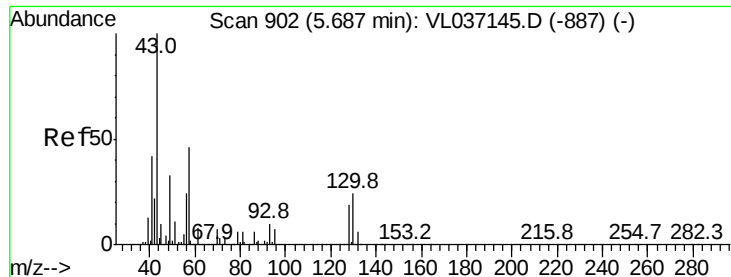
98 5.1 2.4 7.1

100 2.8 1.6 4.8



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: 10.123 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tgt Ion: 43 Resp: 3730365

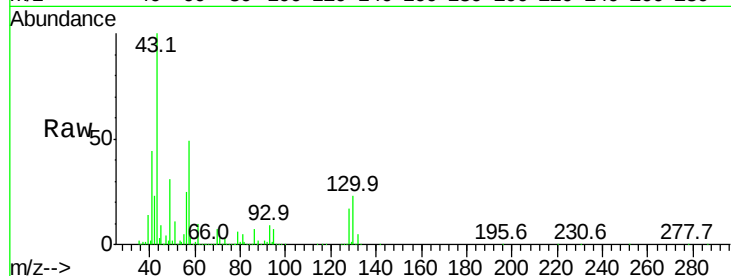
Ion Ratio Lower Upper

43 100

45 9.6 7.8 11.8

61 9.9 7.5 11.3

70 7.0 5.7 8.5

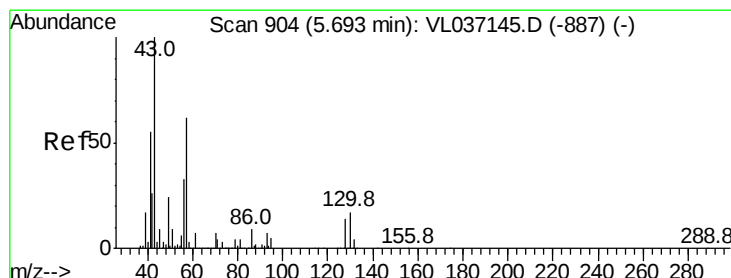
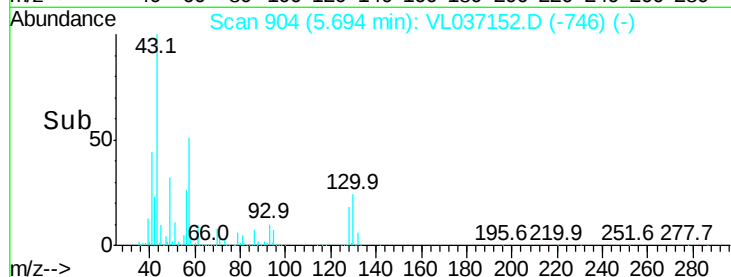
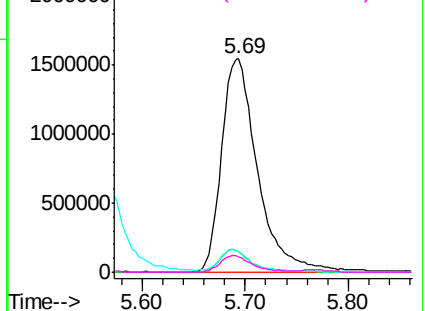


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.634 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion: 57 Resp: 1765501

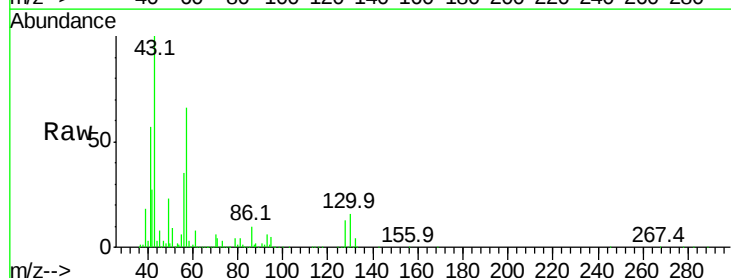
Ion Ratio Lower Upper

57 100

41 92.9 73.6 110.4

43 214.0 168.8 253.2

56 52.6 42.3 63.5

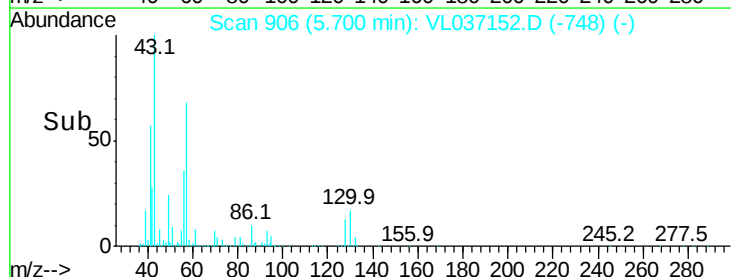
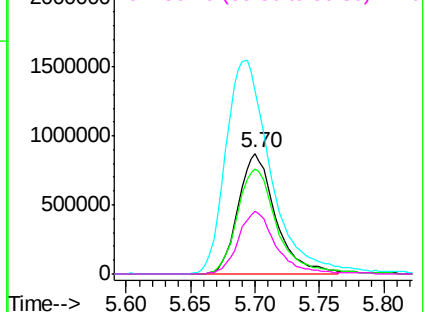


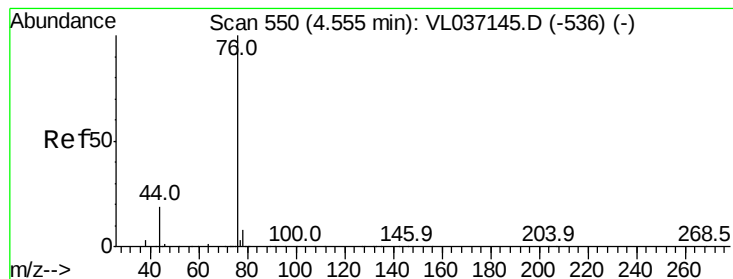
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 11.251 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

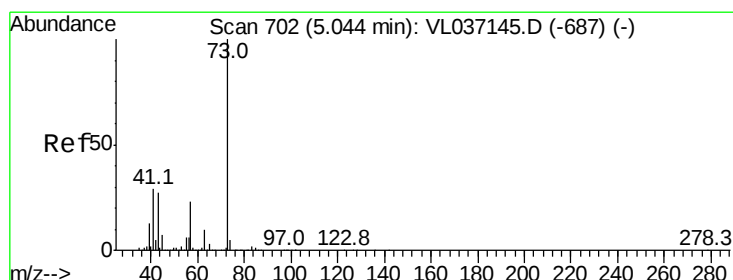
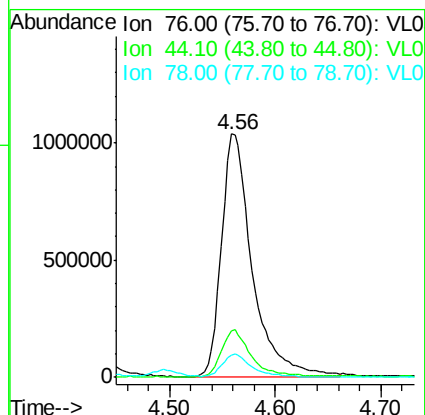
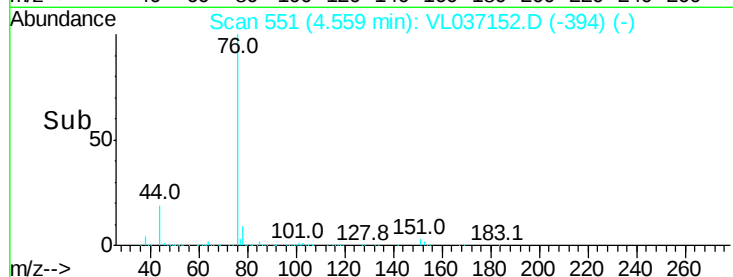
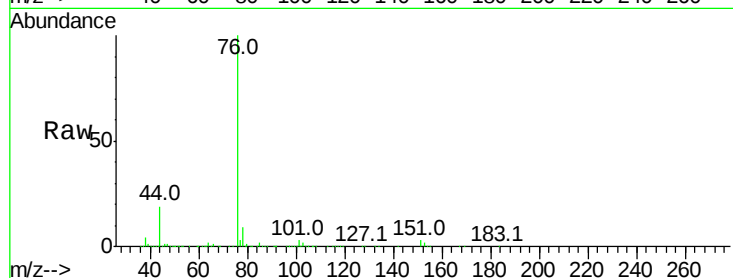
Tgt Ion: 76 Resp: 2090472

Ion Ratio Lower Upper

76 100

44 19.0 15.6 23.4

78 10.0 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 10.274 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037152.D

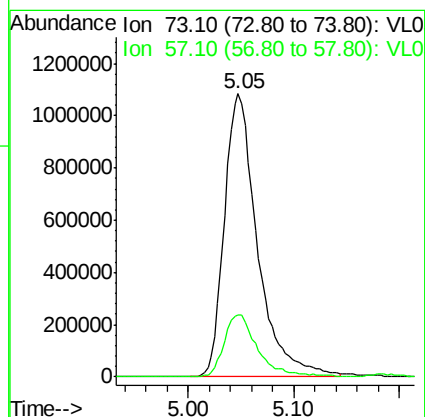
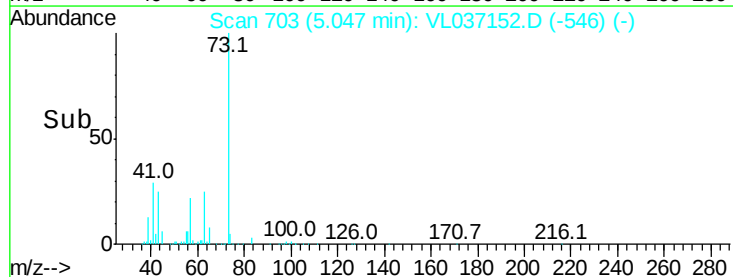
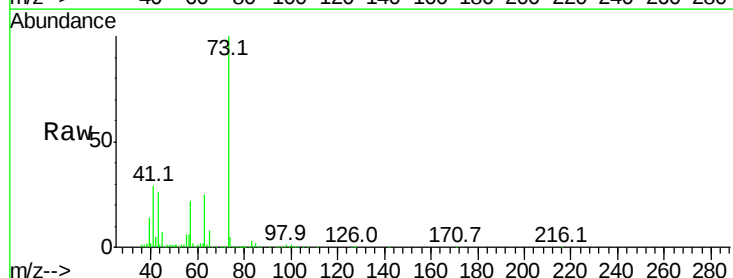
Acq: 14 Jun 2021 17:09

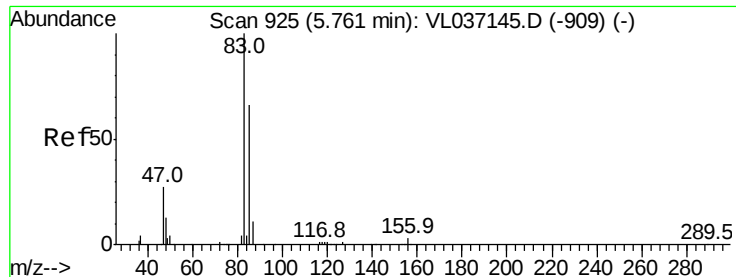
Tgt Ion: 73 Resp: 2358243

Ion Ratio Lower Upper

73 100

57 22.4 18.2 27.4

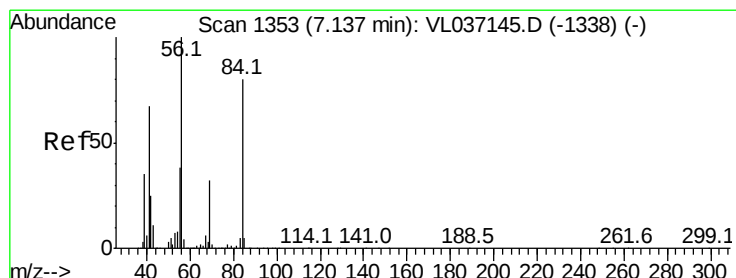
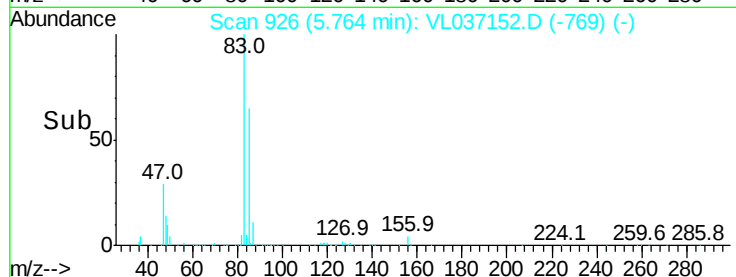
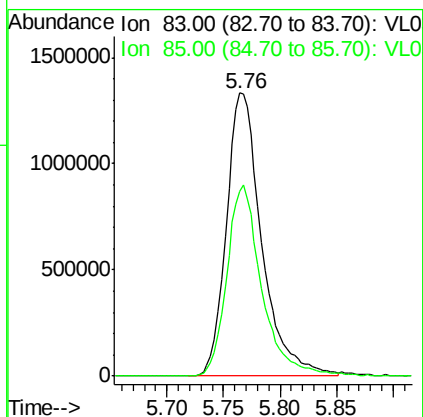
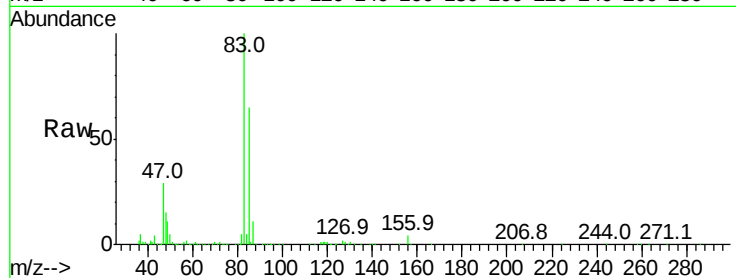




#29
Chloroform
Concen: 9.808 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

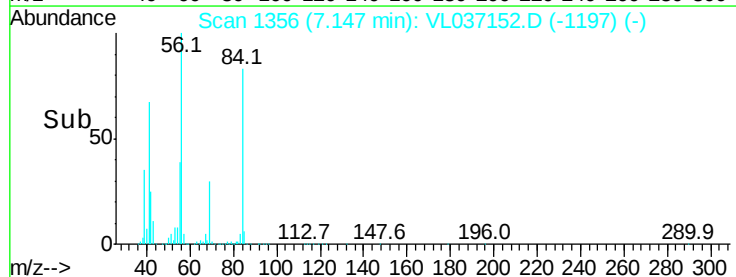
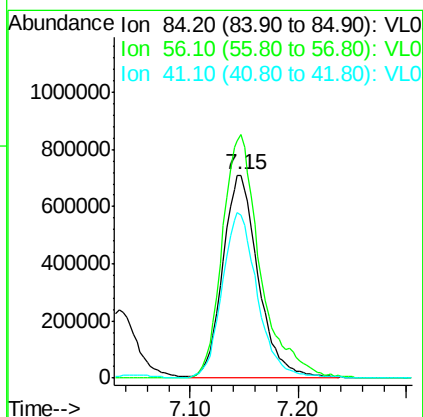
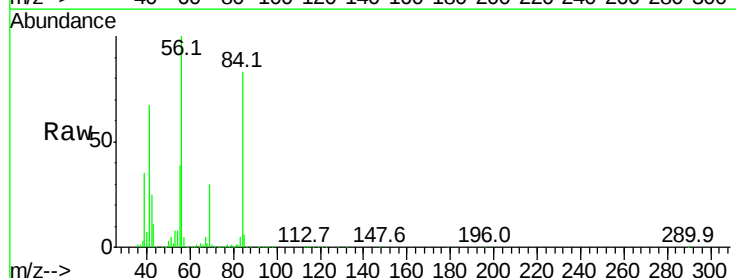
Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

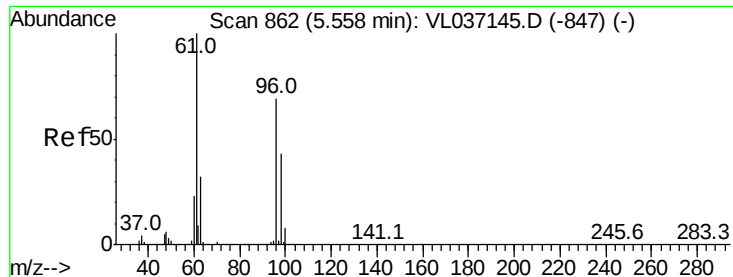
Tgt Ion: 83 Resp: 2901768
Ion Ratio Lower Upper
83 100
85 65.3 52.6 78.8



#30
Cyclohexane
Concen: 10.072 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 84 Resp: 1609243
Ion Ratio Lower Upper
84 100
56 129.7 103.9 155.9
41 81.6 66.5 99.7



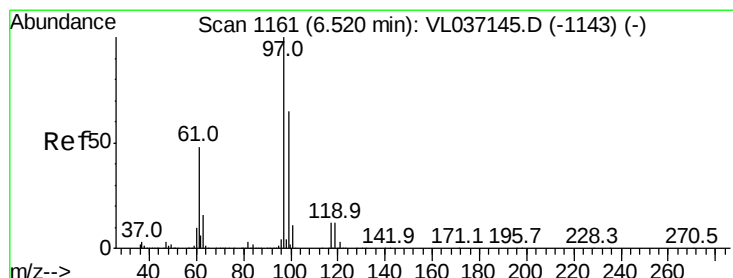
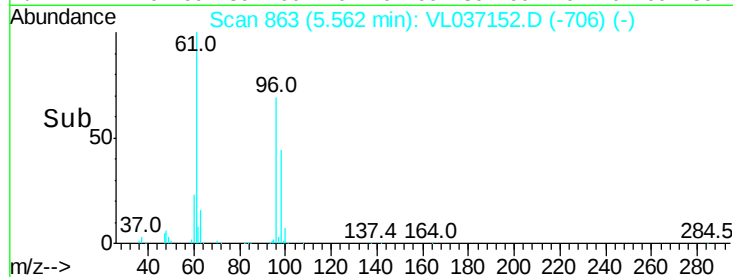
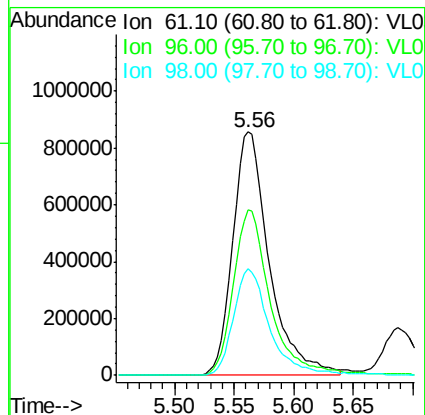
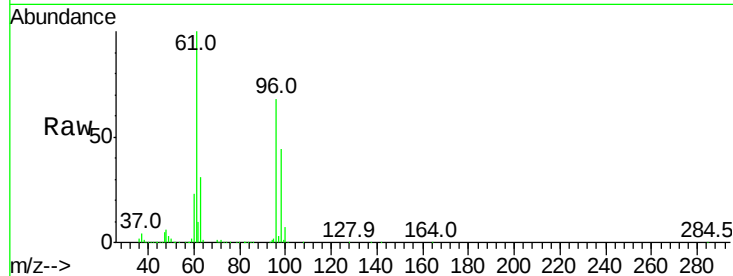


#31

cis-1,2-Dichloroethene
 Concen: 10.309 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

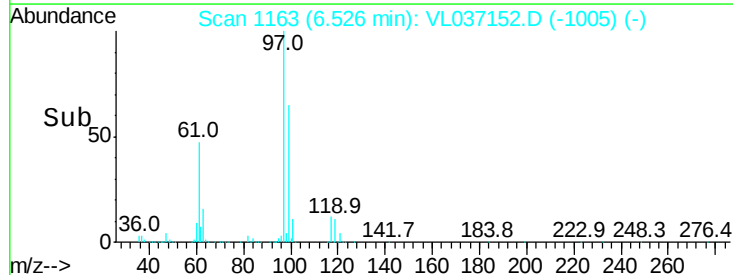
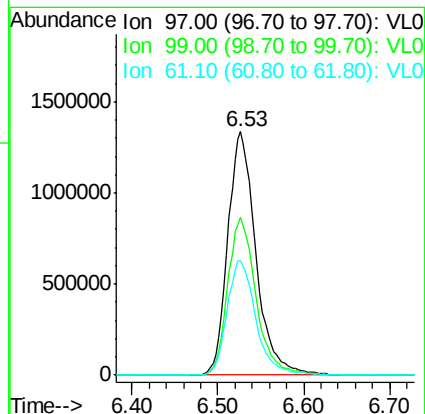
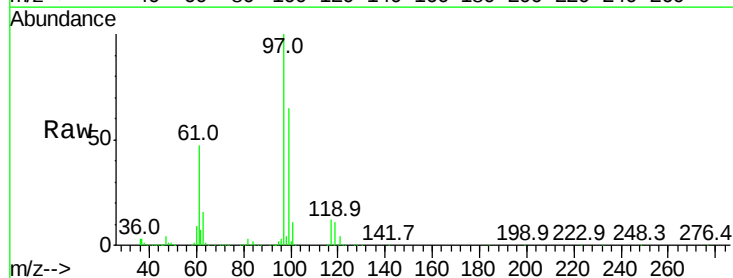
Tgt Ion: 61 Resp: 1820789
 Ion Ratio Lower Upper
 61 100
 96 67.9 55.3 82.9
 98 44.1 34.7 52.1

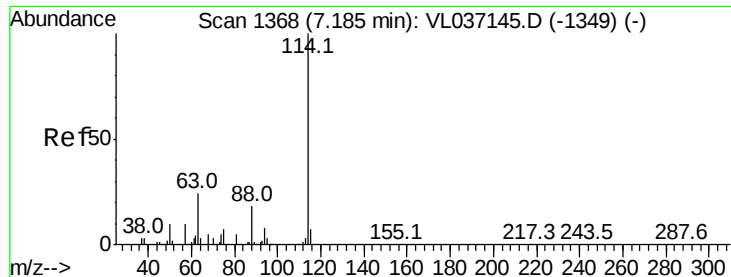


#32

1,1,1-Trichloroethane
 Concen: 11.144 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion: 97 Resp: 3027425
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.4 78.6
 61 48.0 38.5 57.7

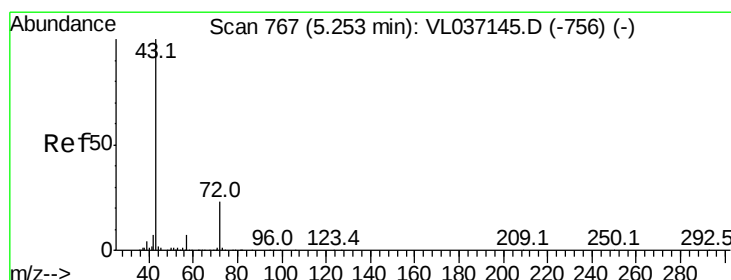
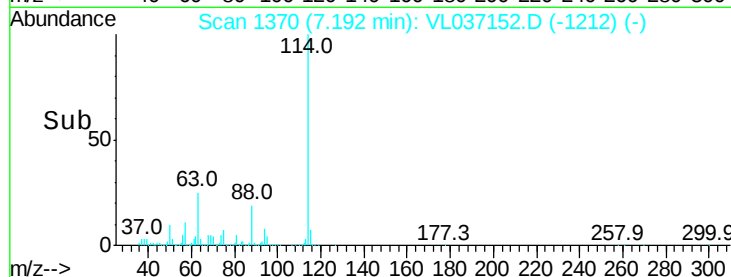
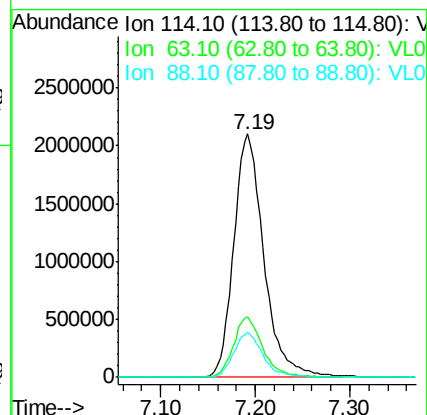
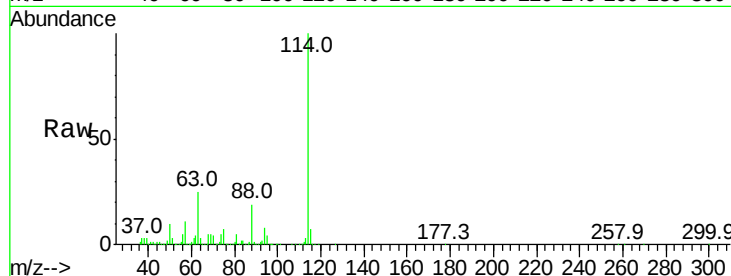




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

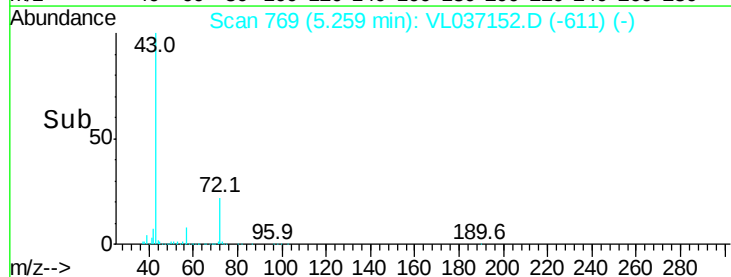
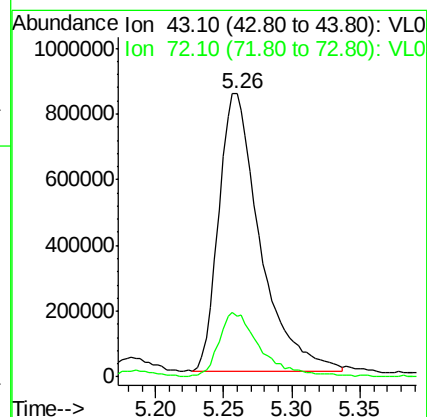
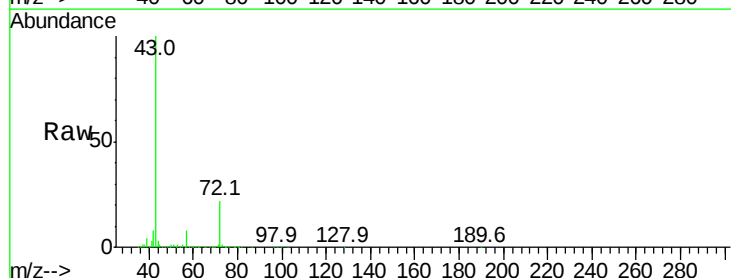
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

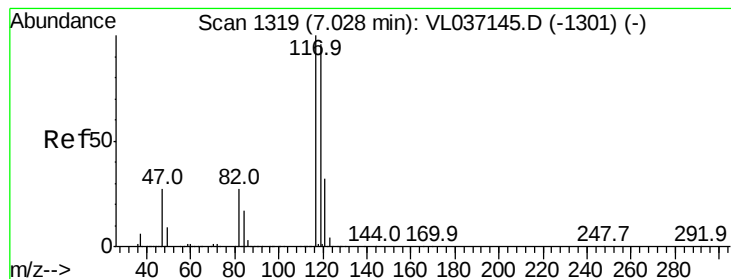
Tgt Ion:114 Resp: 4647800
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.8 29.6
 88 18.1 14.3 21.5



#34
 2-Butanone
 Concen: 10.161 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion: 43 Resp: 1773595
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.6 28.0





#35

Carbon Tetrachloride

Concen: 11.405 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

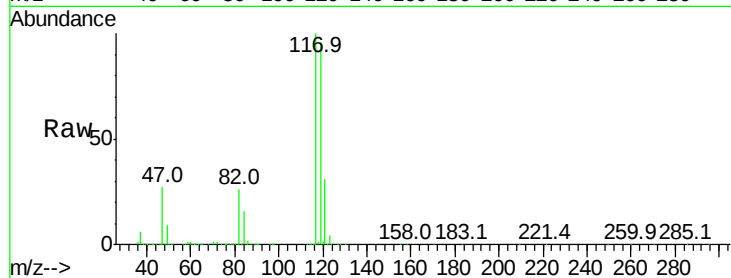
Tgt Ion:117 Resp: 3258504

Ion Ratio Lower Upper

117 100

119 95.9 77.0 115.4

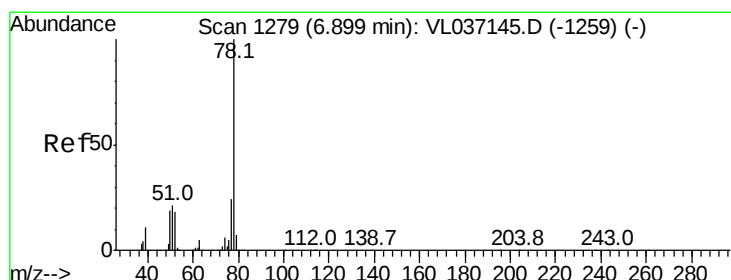
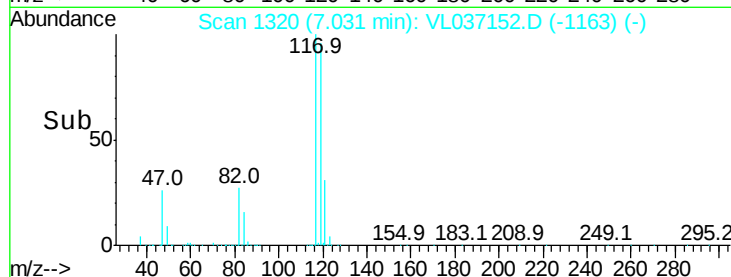
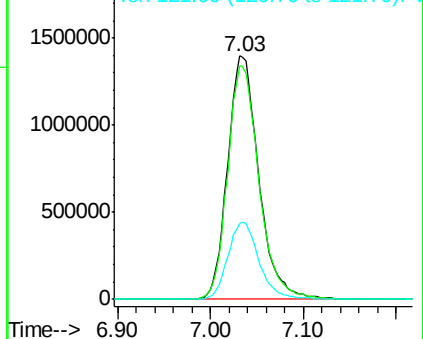
121 31.3 25.4 38.0



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: 10.042 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

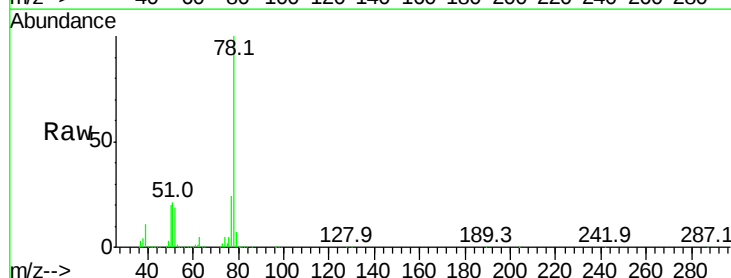
Tgt Ion: 78 Resp: 3703746

Ion Ratio Lower Upper

78 100

77 24.2 19.5 29.3

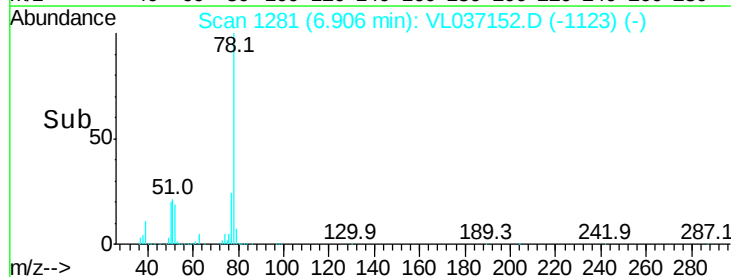
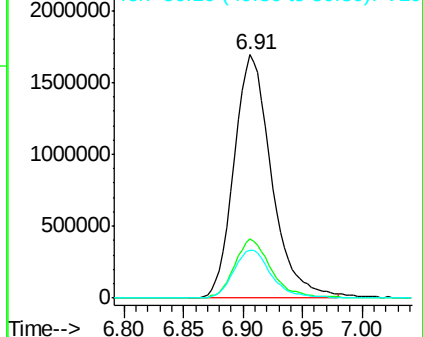
50 19.5 15.5 23.3

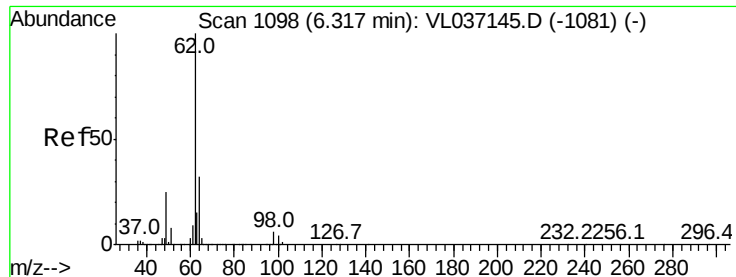


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

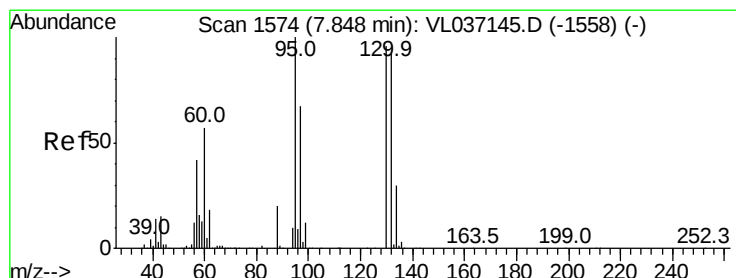
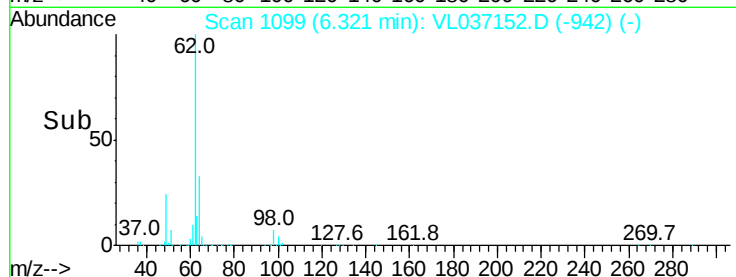
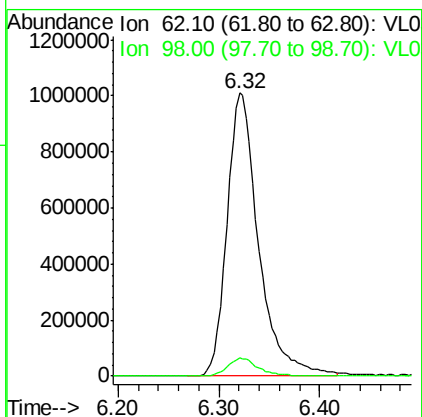
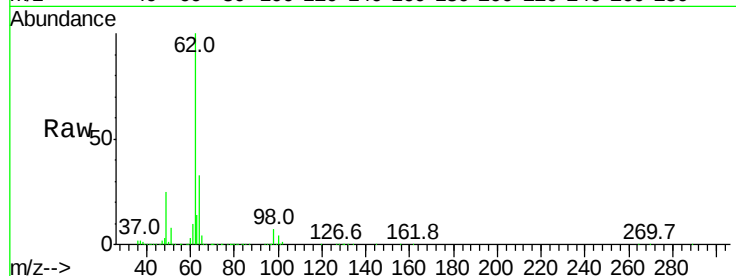




#37
1,2-Dichloroethane
Concen: 10.285 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

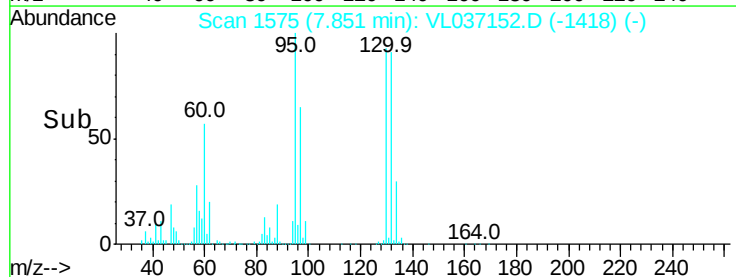
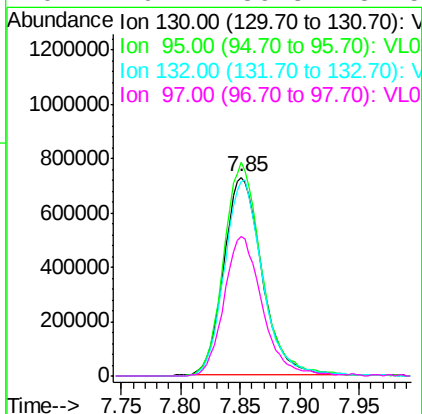
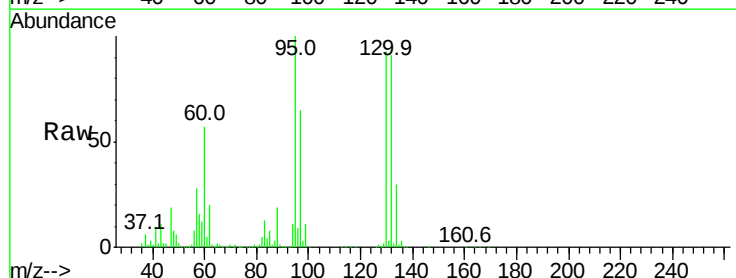
Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

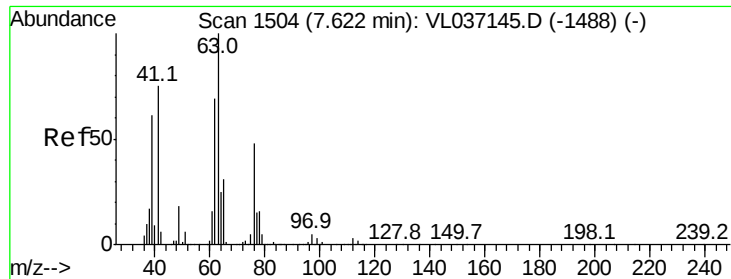
Tgt Ion: 62 Resp: 2202693
Ion Ratio Lower Upper
62 100
98 6.5 5.1 7.7



#38
Trichloroethene
Concen: 10.100 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 130 Resp: 1609587
Ion Ratio Lower Upper
130 100
95 108.0 83.5 125.3
132 98.4 76.8 115.2
97 70.7 56.3 84.5



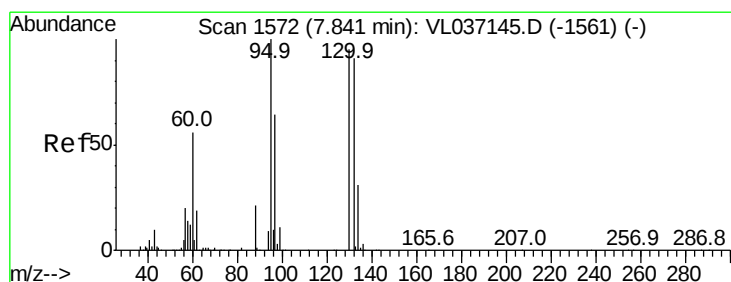
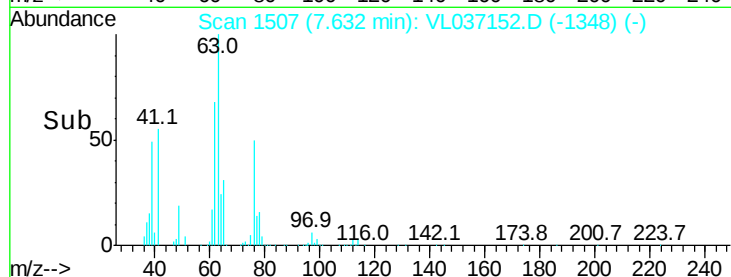
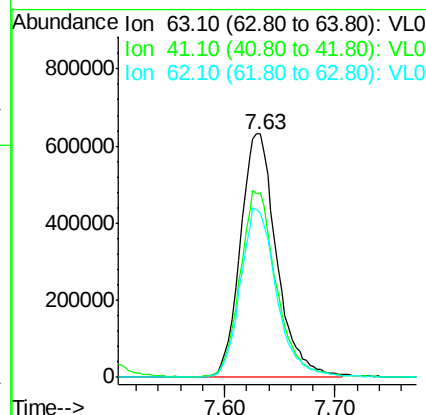
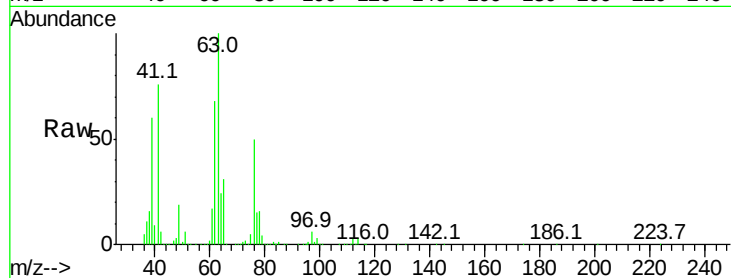


#39
 1,2-Dichloropropane
 Concen: 10.198 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Tgt Ion: 63 Resp: 1435928

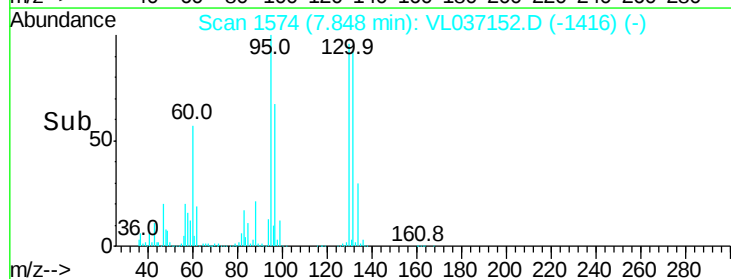
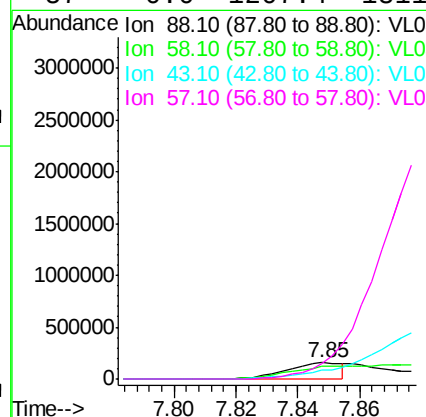
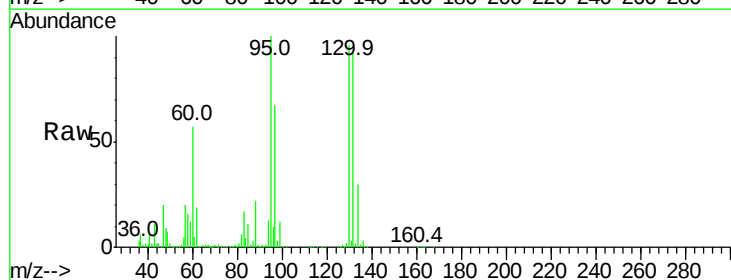
Ion	Ratio	Lower	Upper
63	100		
41	75.7	60.0	90.0
62	67.6	55.4	83.0

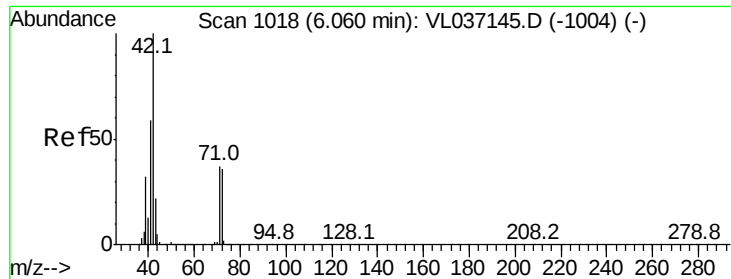


#40
 1,4-Dioxane
 Concen: 4.857 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion: 88 Resp: 191492

Ion	Ratio	Lower	Upper
88	100		
58	0.0	115.6	173.4#
43	0.0	278.3	417.5#
57	0.0	1207.4	1811.0#

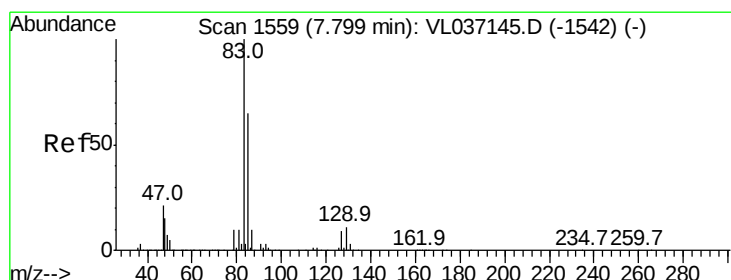
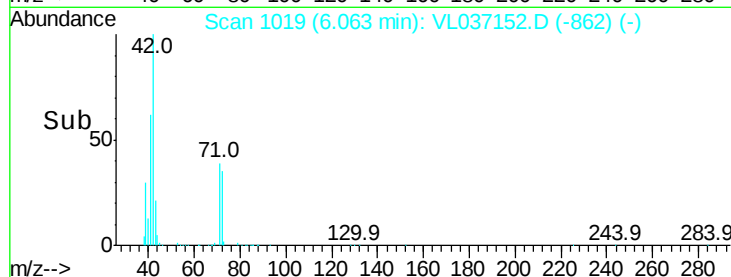
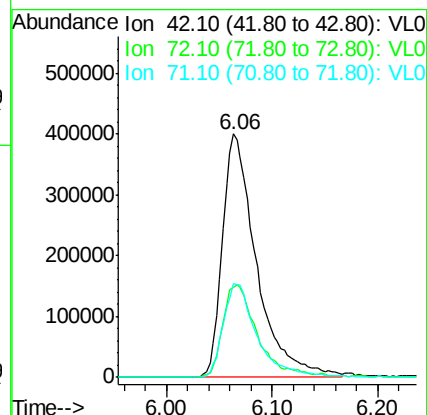
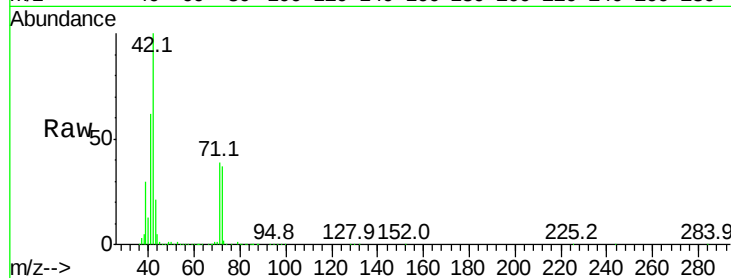




#41
Tetrahydrofuran
Concen: 10.482 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

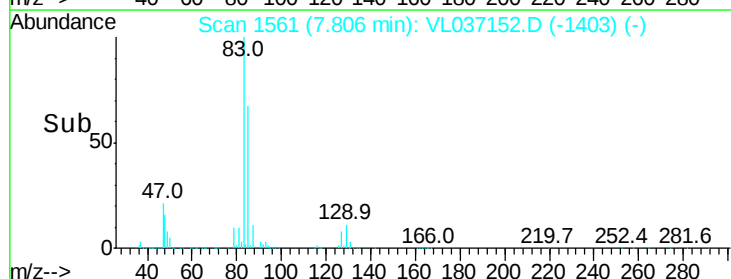
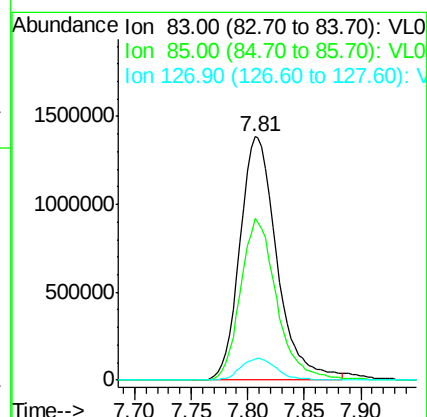
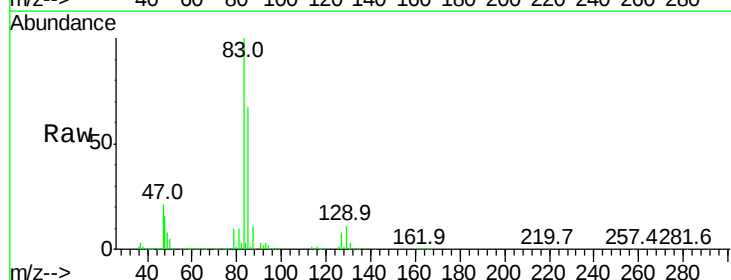
Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

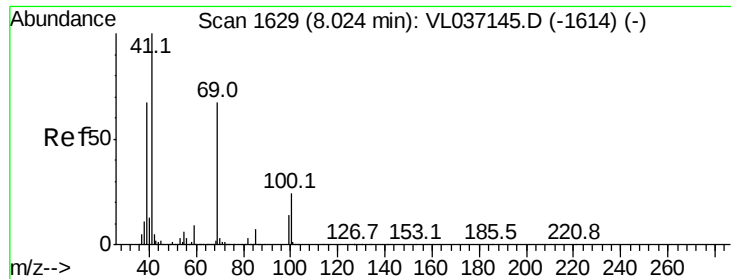
Tgt Ion: 42 Resp: 890476
Ion Ratio Lower Upper
42 100
72 40.1 31.7 47.5
71 39.0 31.0 46.6



#42
Bromodichloromethane
Concen: 10.725 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 83 Resp: 3164440
Ion Ratio Lower Upper
83 100
85 66.6 51.7 77.5
127 8.4 7.4 11.0

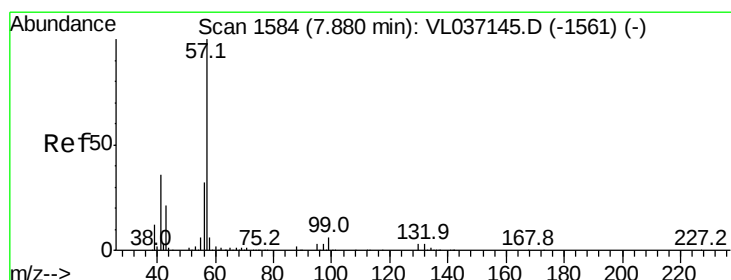
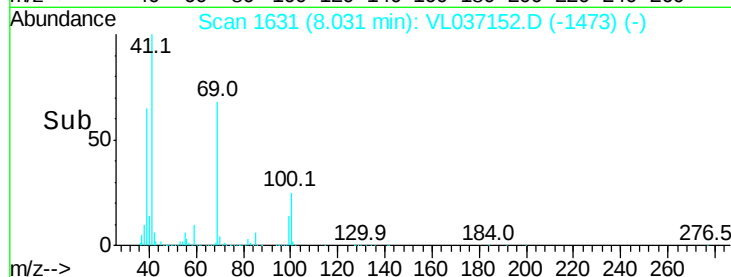
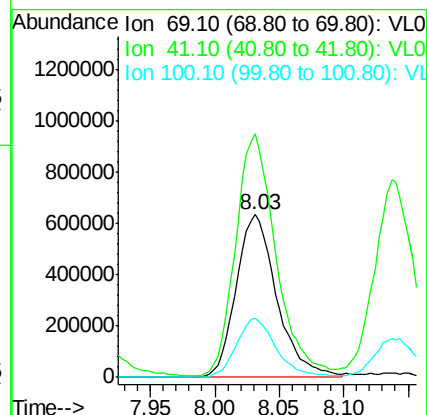
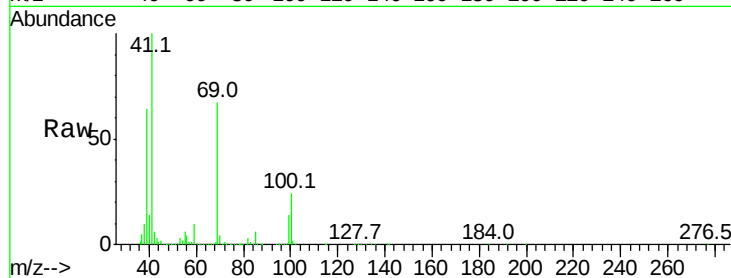




#43
Methyl Methacrylate
Concen: 11.000 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

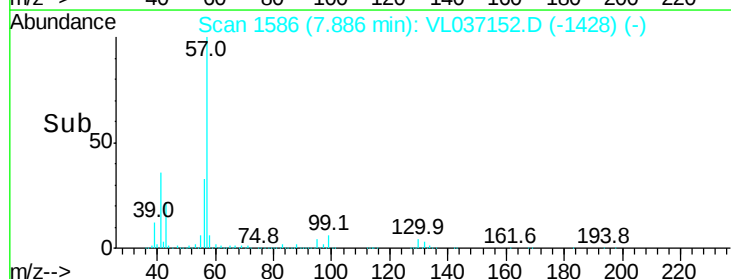
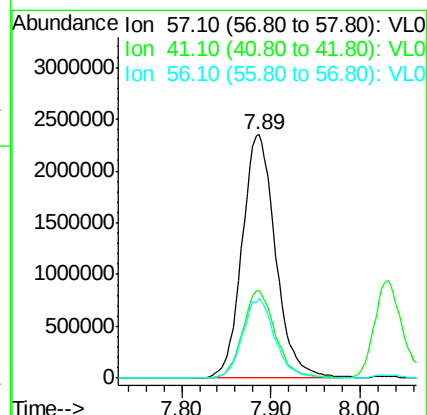
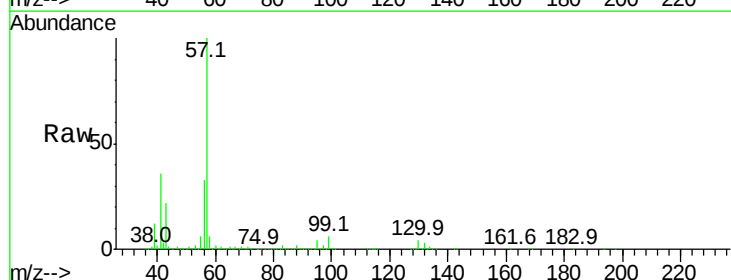
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MSVOA_L
ClientSampleId :
ICVVL061421

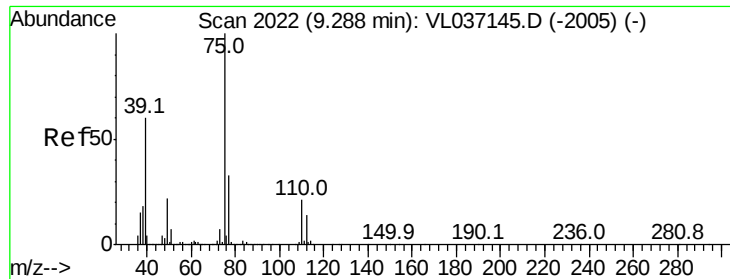
Tgt Ion: 69 Resp: 1391775
Ion Ratio Lower Upper
69 100
41 148.6 117.7 176.5
100 35.5 27.9 41.9



#44
2,2,4-Trimethylpentane
Concen: 9.900 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 57 Resp: 6111229
Ion Ratio Lower Upper
57 100
41 35.2 28.1 42.1
56 31.4 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.108 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

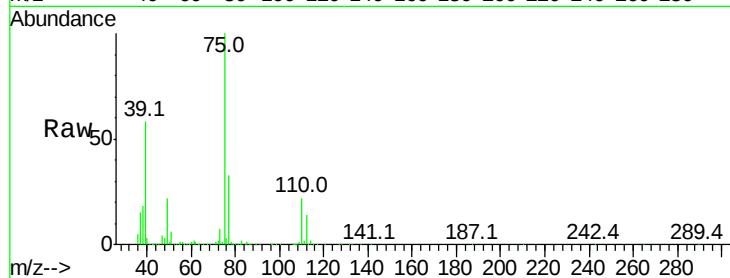
ICVVL061421

Tgt Ion: 75 Resp: 1380614

Ion Ratio Lower Upper

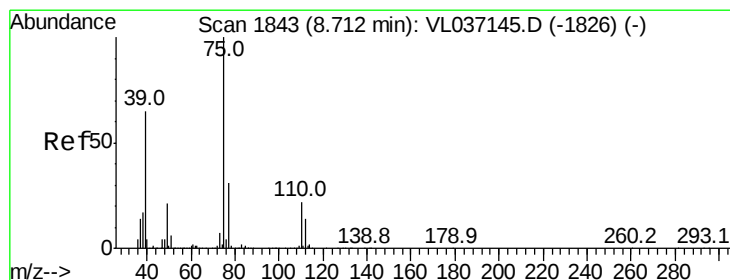
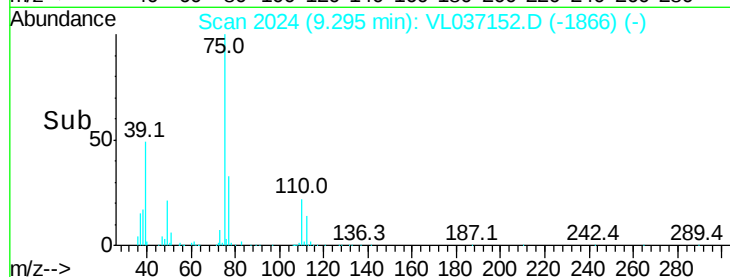
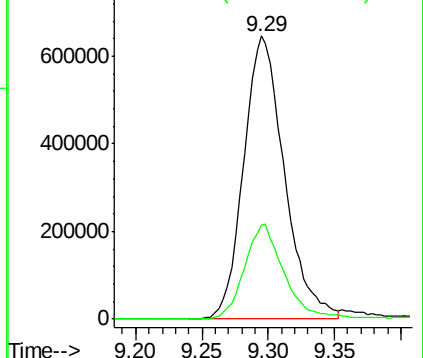
75 100

77 33.1 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.429 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

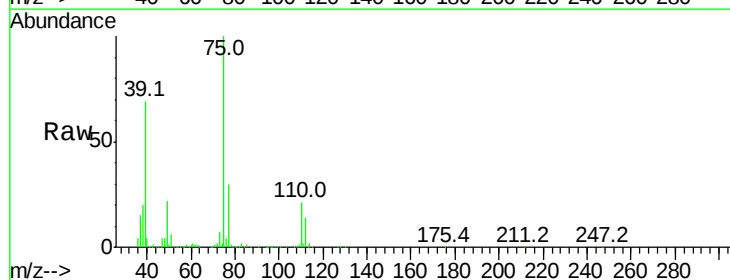
Tgt Ion: 75 Resp: 1738679

Ion Ratio Lower Upper

75 100

39 68.4 52.2 78.4

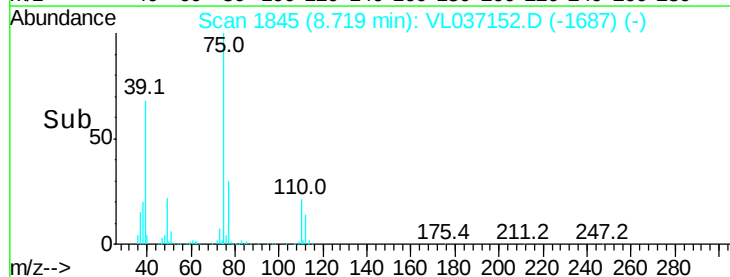
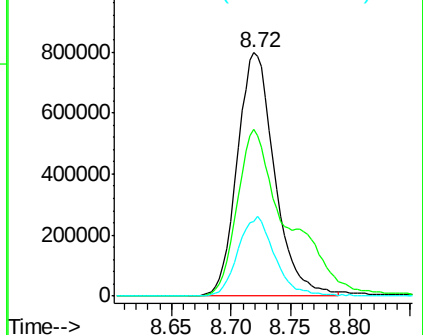
77 30.4 24.5 36.7

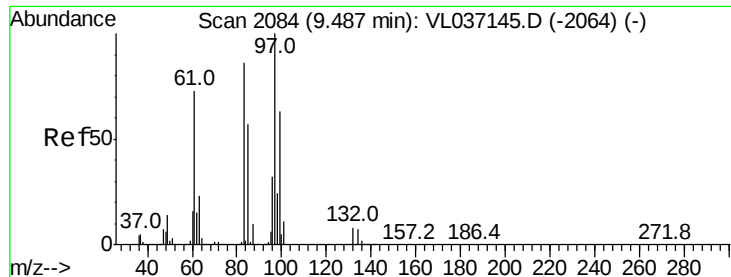


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 10.084 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tgt Ion: 97 Resp: 1610559

Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.0	103.4
85	56.5	45.7	68.5
99	62.7	50.6	76.0

97 100

83 86.0 69.0 103.4

85 56.5 45.7 68.5

99 62.7 50.6 76.0

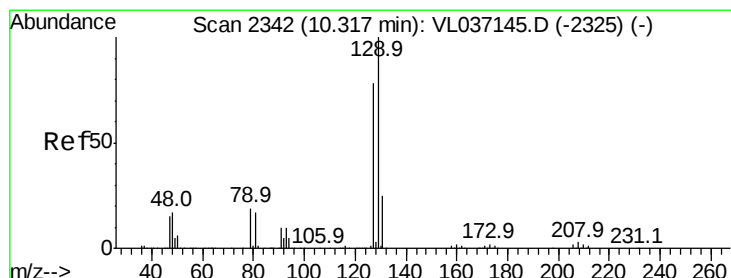
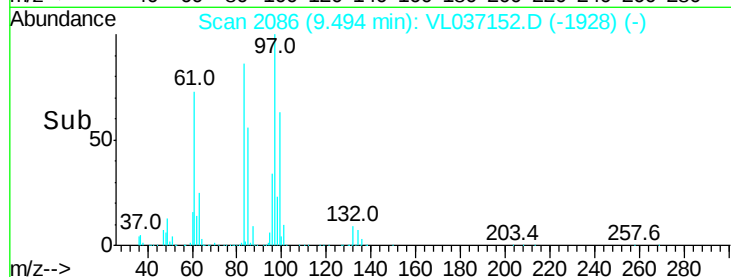
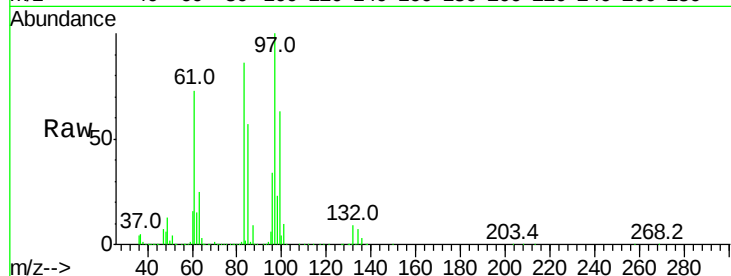
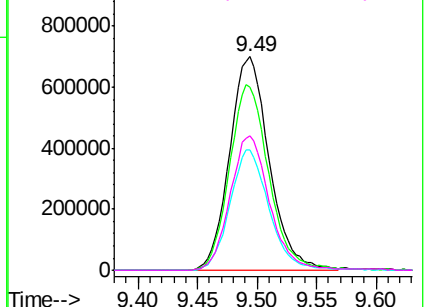
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.371 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion: 129 Resp: 2929791

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2

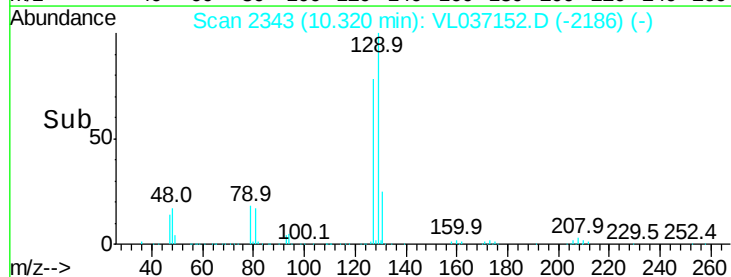
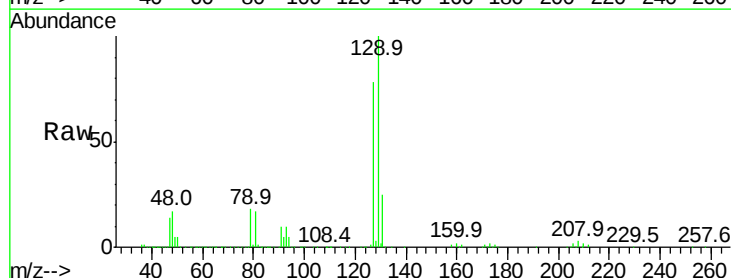
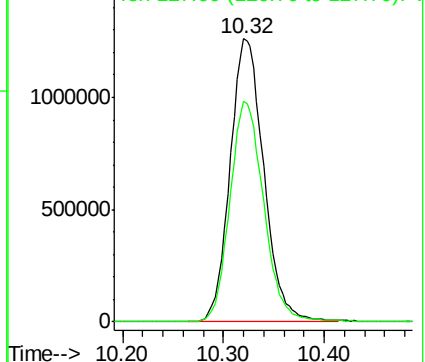
129 100

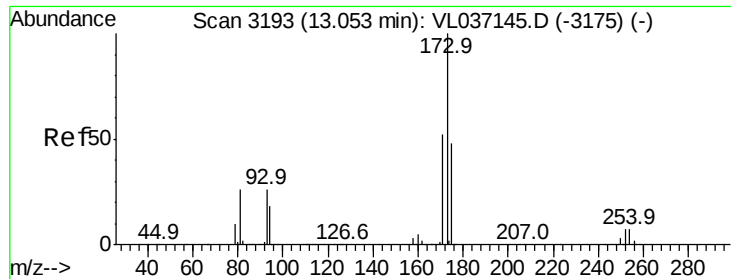
127 78.2 39.4 118.2

Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.940 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

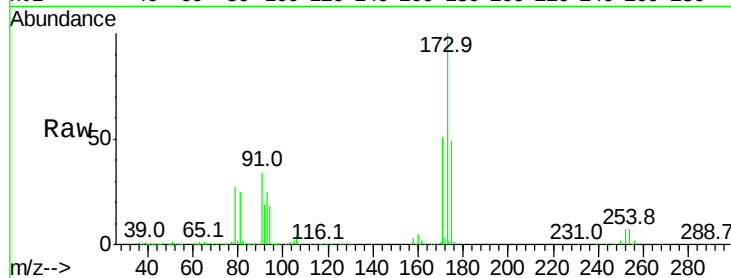
Tgt Ion:173 Resp: 2403246

Ion Ratio Lower Upper

173 100

175 50.1 39.8 59.6

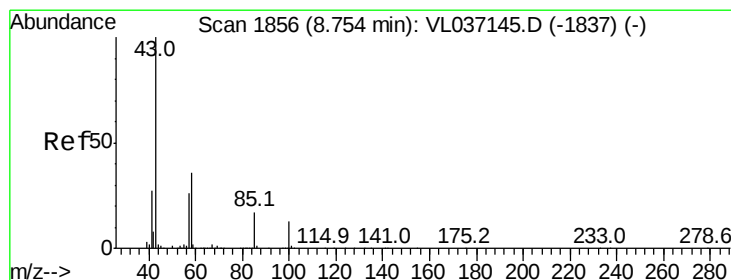
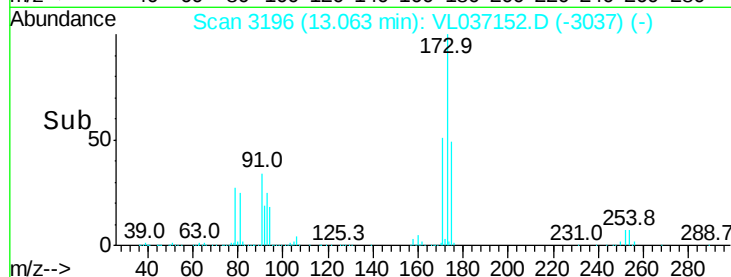
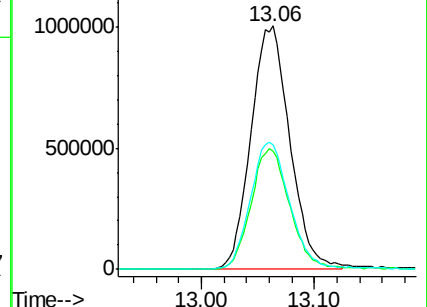
171 53.4 42.5 63.7



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: 10.528 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL037152.D

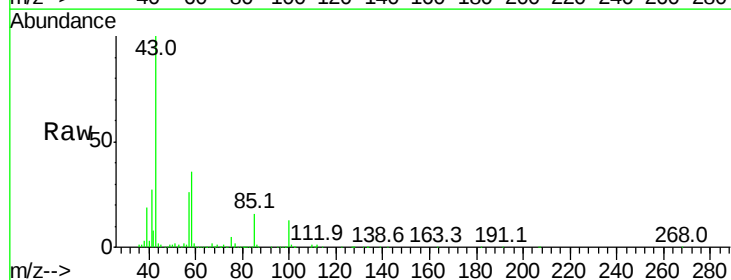
Acq: 14 Jun 2021 17:09

Tgt Ion: 43 Resp: 2703453

Ion Ratio Lower Upper

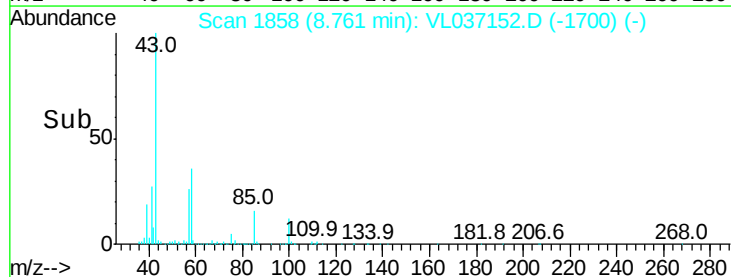
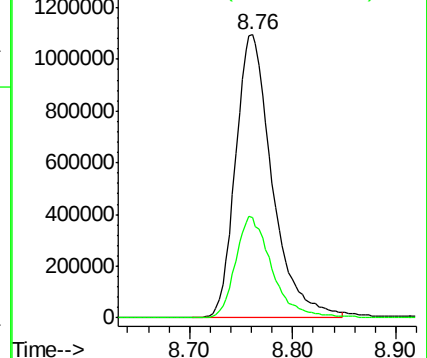
43 100

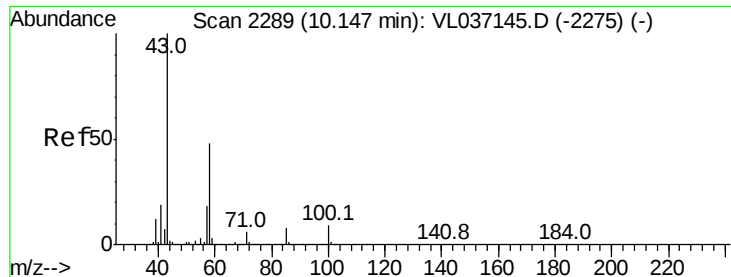
58 36.0 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

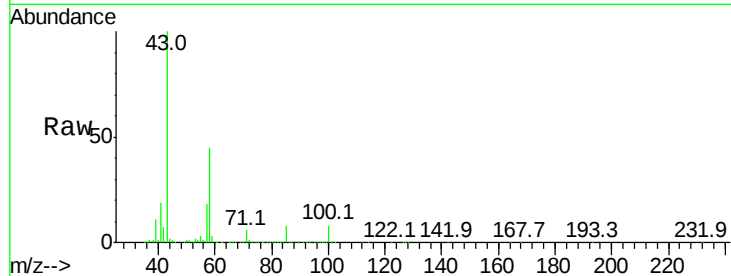




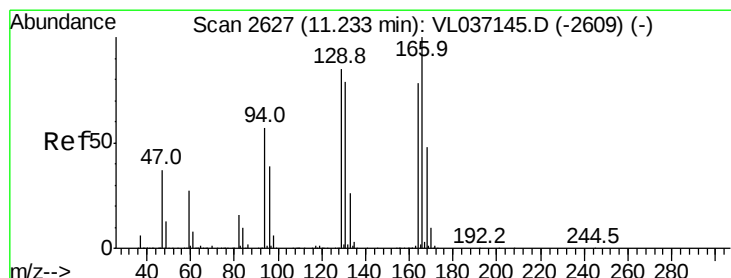
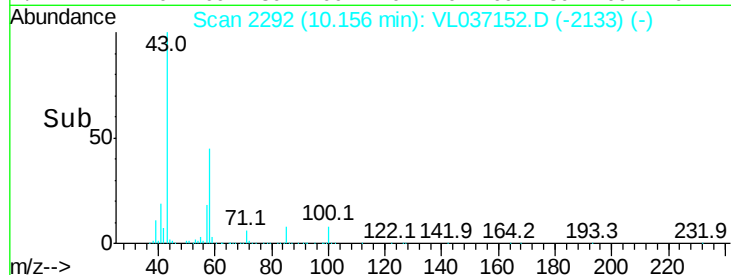
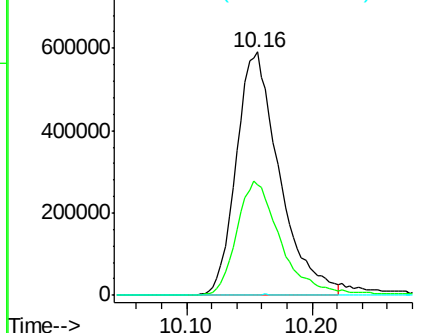
#51
2-Hexanone
Concen: 11.033 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tgt Ion: 43 Resp: 1414149
Ion Ratio Lower Upper
43 100
58 49.0 40.1 60.1
98 0.3 0.2 0.4

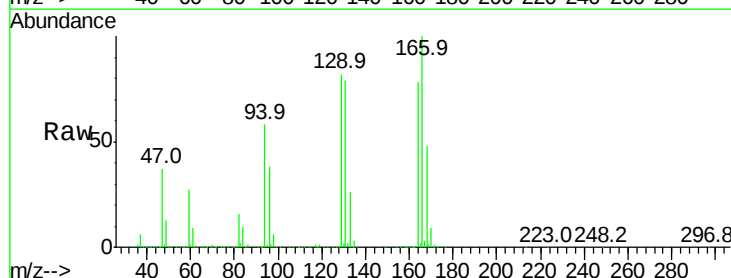


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

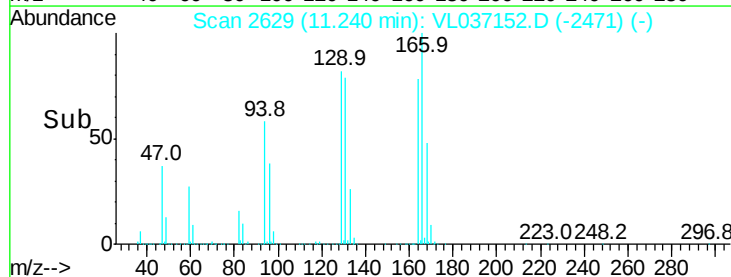
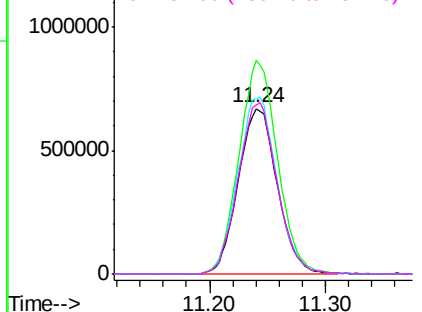


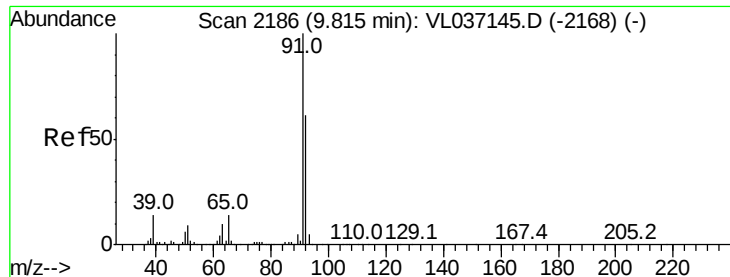
#52
Tetrachloroethene
Concen: 10.270 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 164 Resp: 1566510
Ion Ratio Lower Upper
164 100
166 128.9 102.6 154.0
129 105.6 87.4 131.2
131 101.9 81.4 122.2



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: 10.275 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

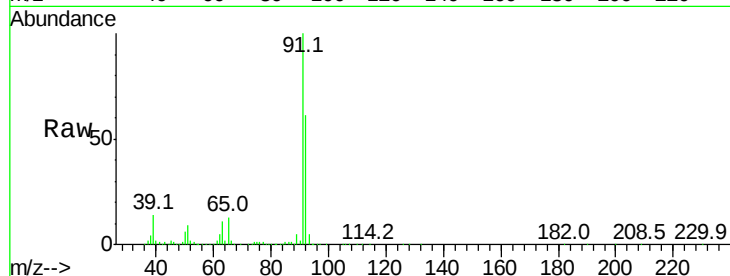
ICVVL061421

Tgt Ion: 91 Resp: 4504466

Ion Ratio Lower Upper

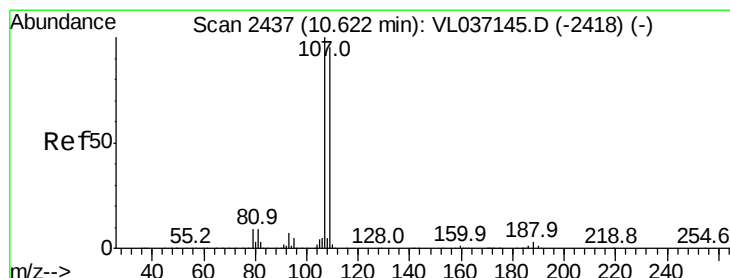
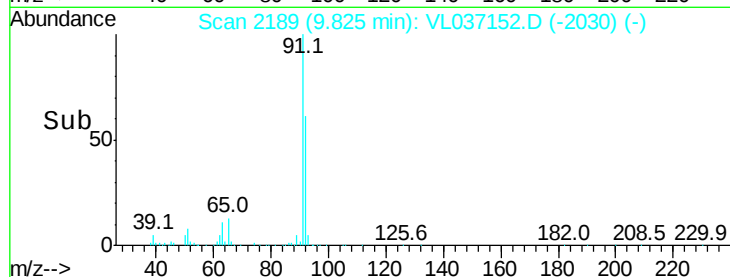
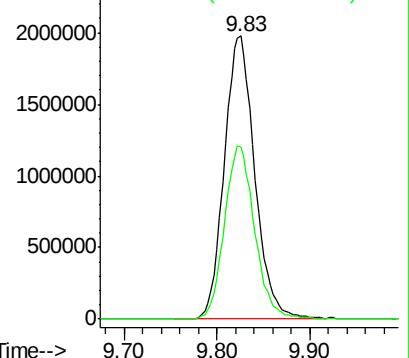
91 100

92 60.8 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.428 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL037152.D

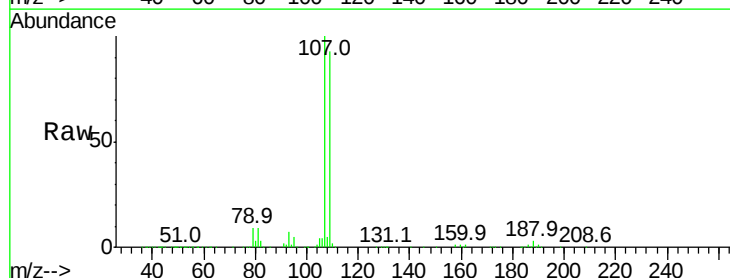
Acq: 14 Jun 2021 17:09

Tgt Ion: 107 Resp: 2438764

Ion Ratio Lower Upper

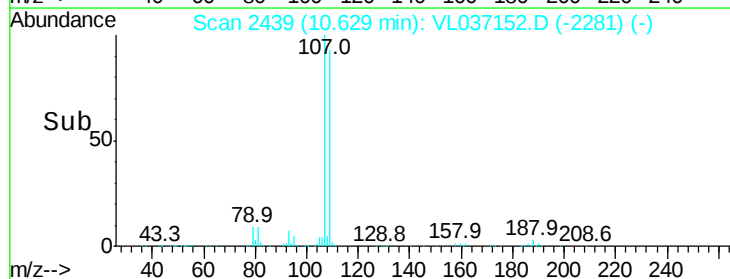
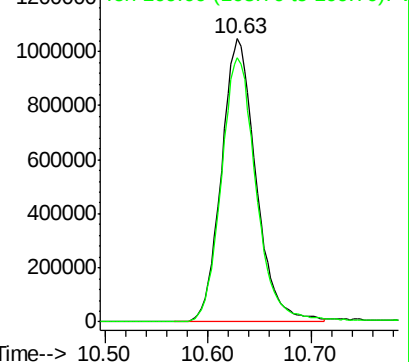
107 100

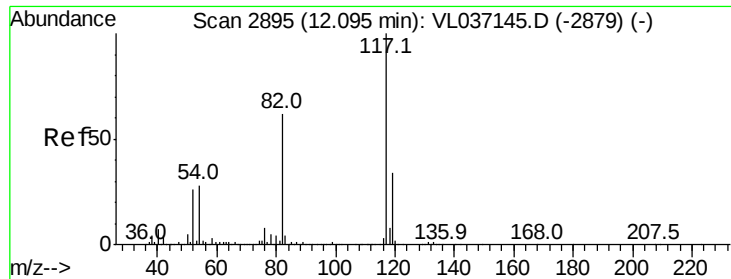
109 93.1 75.6 113.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

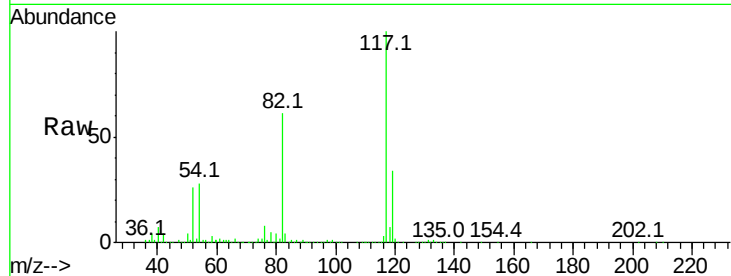
Tgt Ion:117 Resp: 5460727

Ion Ratio Lower Upper

117 100

82 50.8 50.6 76.0

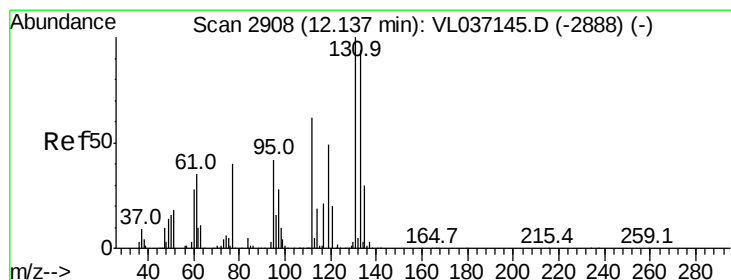
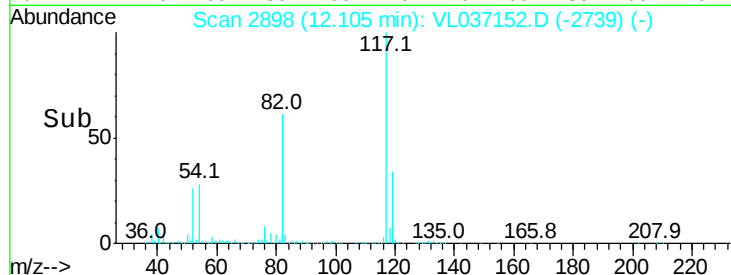
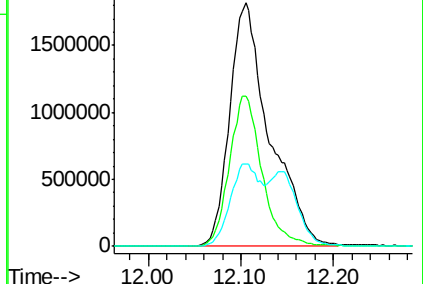
119 26.7 27.1 40.7#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.201 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

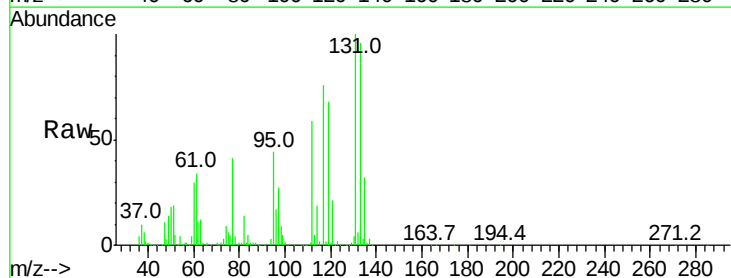
Tgt Ion:131 Resp: 1953266

Ion Ratio Lower Upper

131 100

133 96.7 76.7 115.1

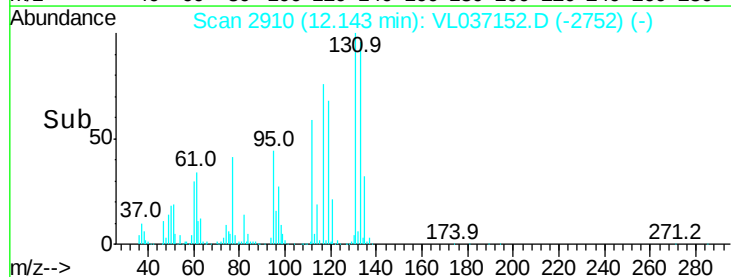
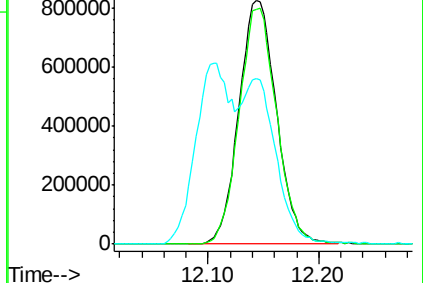
119 59.2 50.7 76.1

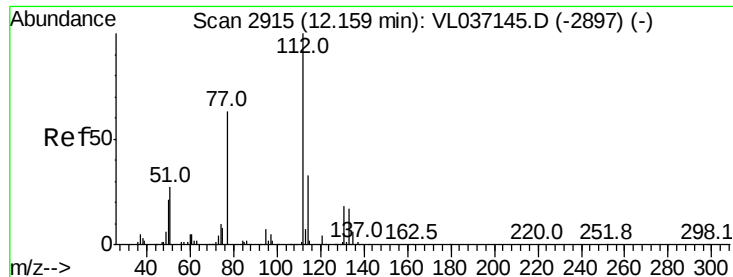


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.923 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

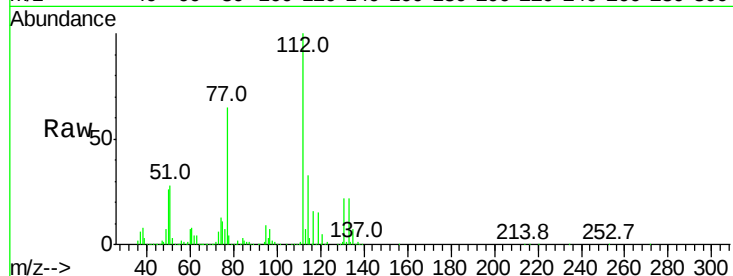
Tgt Ion: 112 Resp: 3467127

Ion Ratio Lower Upper

112 100

77 64.2 51.4 77.2

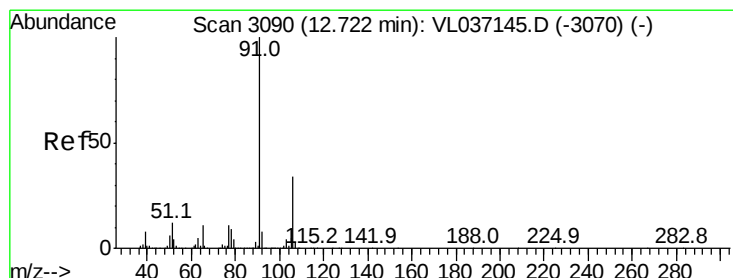
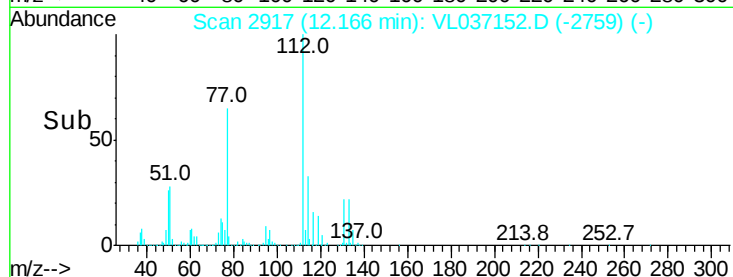
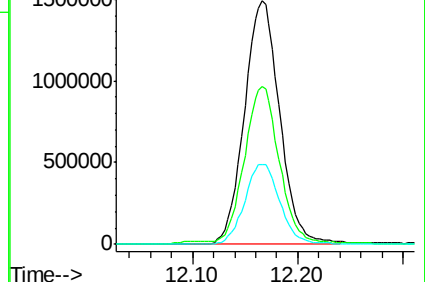
114 32.6 29.7 36.3



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: 8.134 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL037152.D

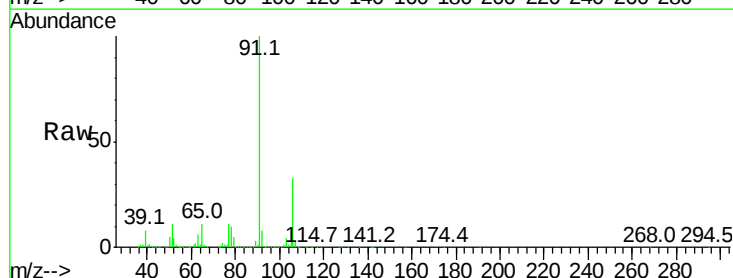
Acq: 14 Jun 2021 17:09

Tgt Ion: 91 Resp: 6016420

Ion Ratio Lower Upper

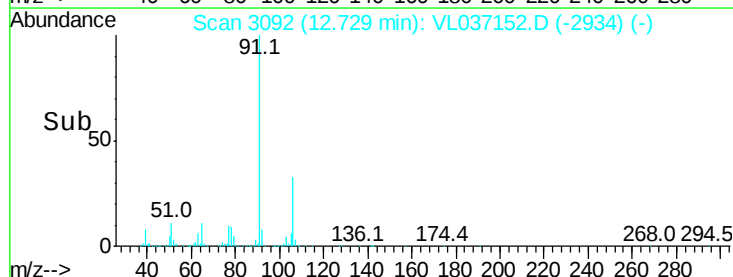
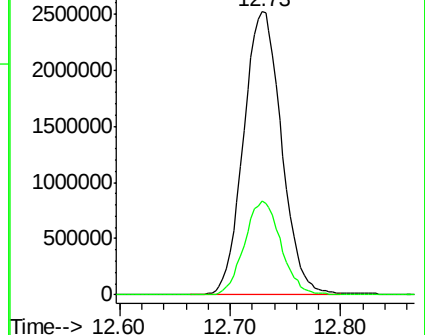
91 100

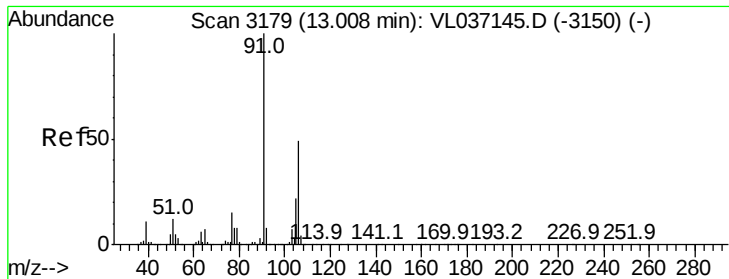
106 33.0 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

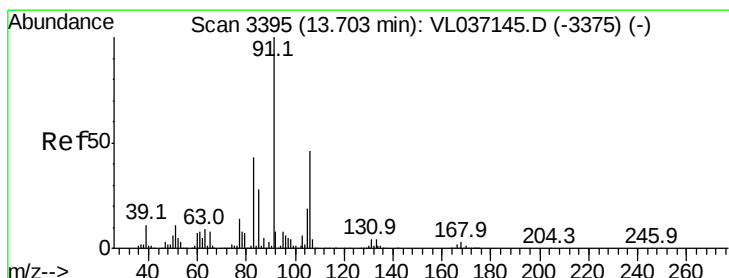
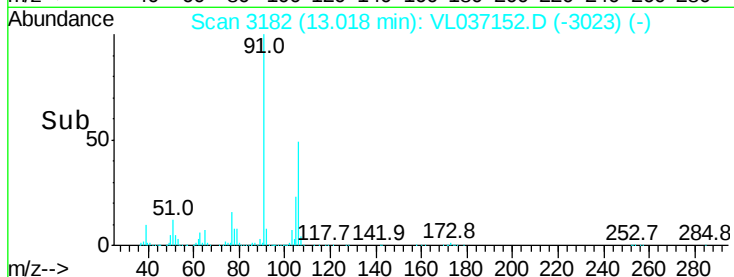
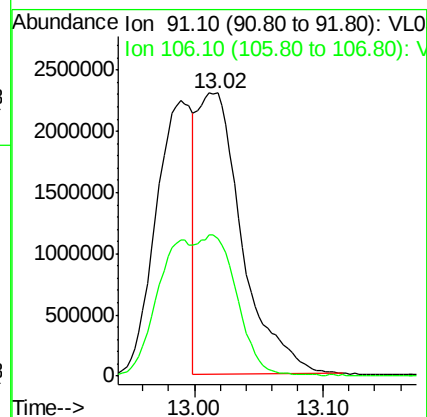
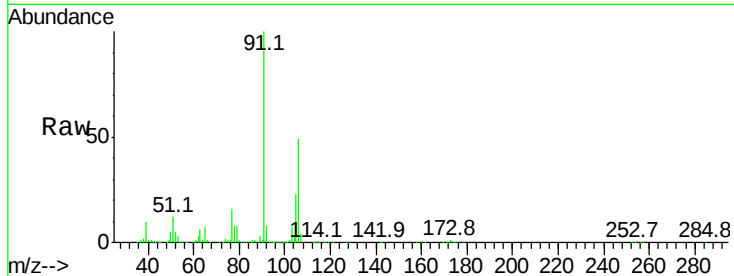




#59
m/p-Xylene
Concen: 8.840 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

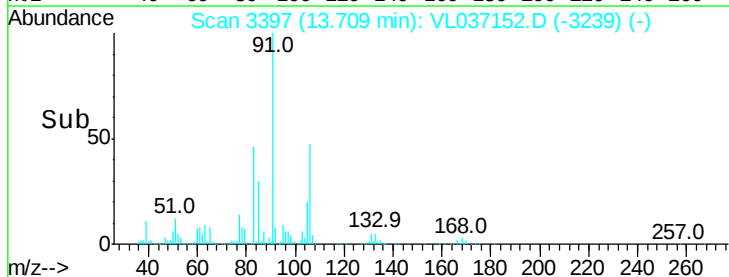
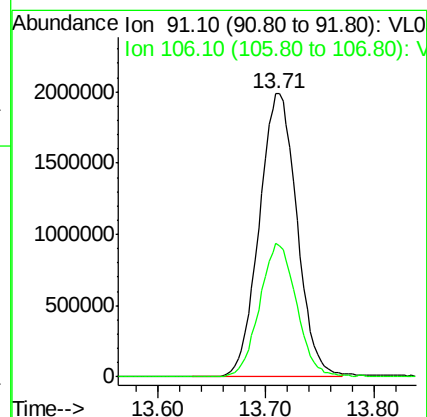
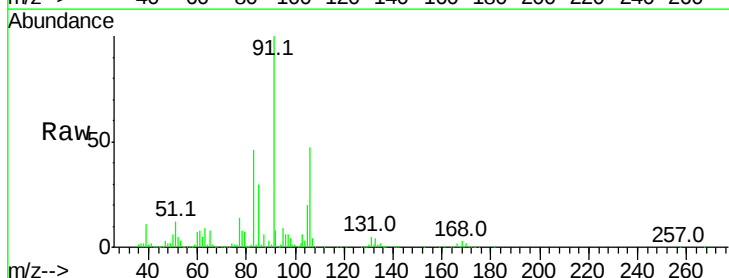
Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

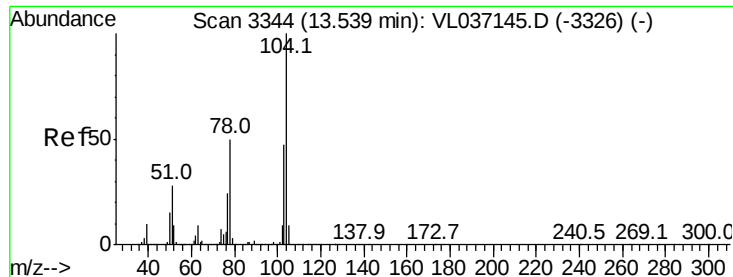
Tgt Ion: 91 Resp: 5556510
Ion Ratio Lower Upper
91 100
106 84.0 36.9 55.3#



#60
o-Xylene
Concen: 7.960 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 91 Resp: 4803958
Ion Ratio Lower Upper
91 100
106 46.4 23.1 69.3





#61

Styrene

Concen: 8.860 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

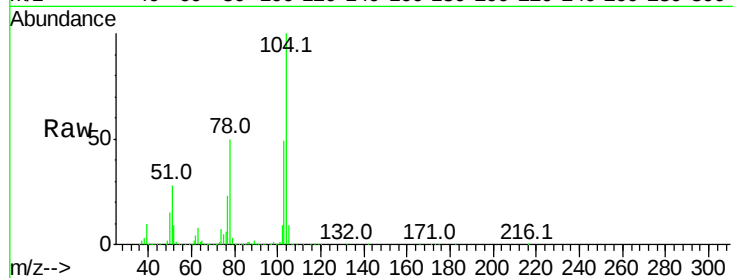
Tgt Ion:104 Resp: 2819193

Ion Ratio Lower Upper

104 100

78 51.1 40.9 61.3

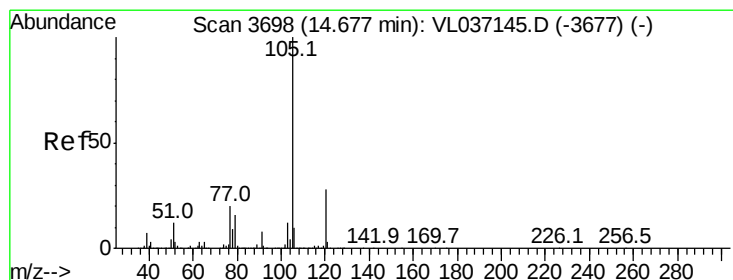
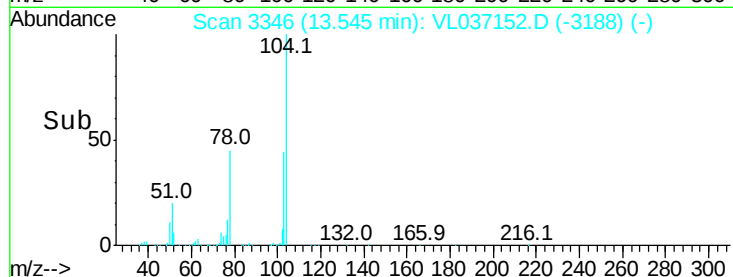
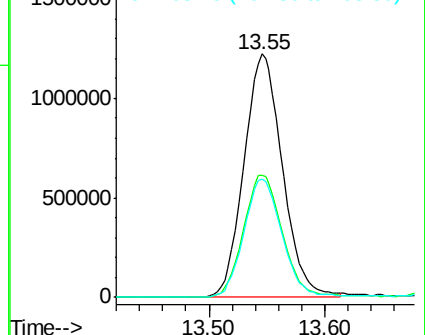
103 48.8 38.6 58.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.793 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VL037152.D

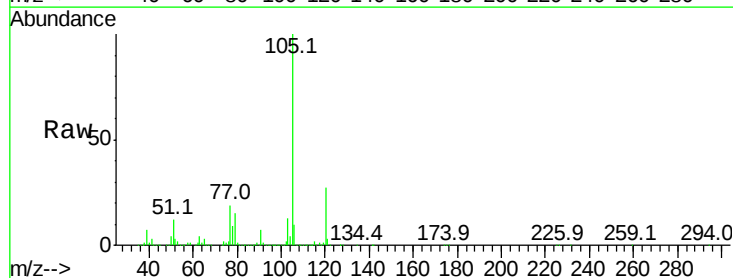
Acq: 14 Jun 2021 17:09

Tgt Ion:105 Resp: 6703977

Ion Ratio Lower Upper

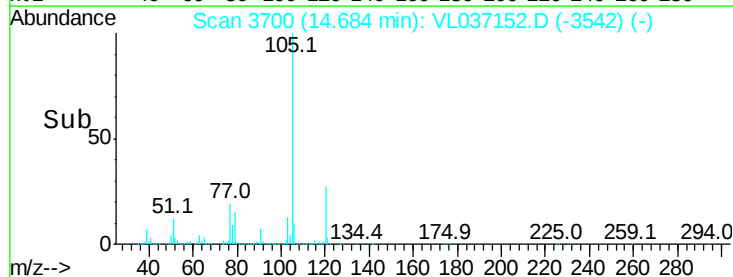
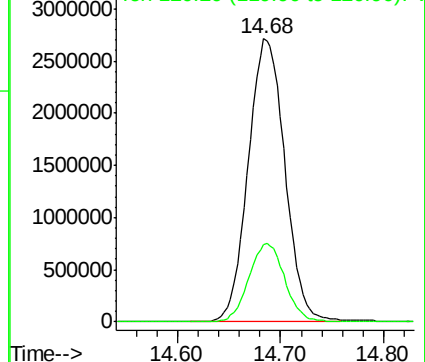
105 100

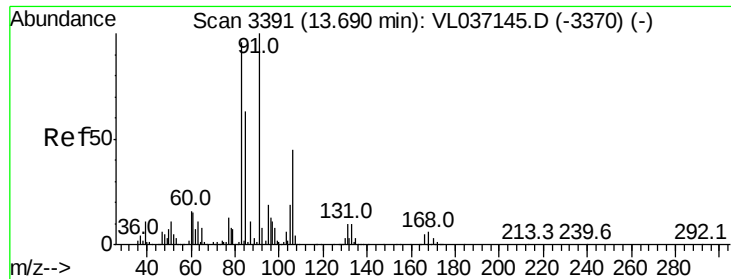
120 27.3 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

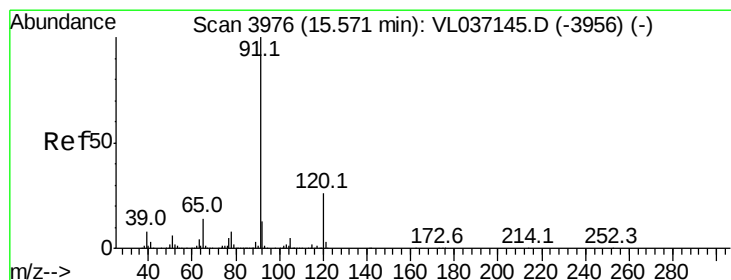
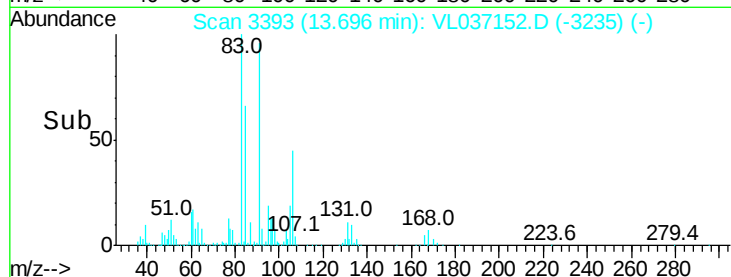
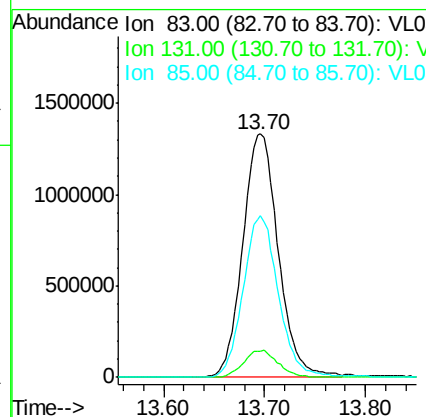
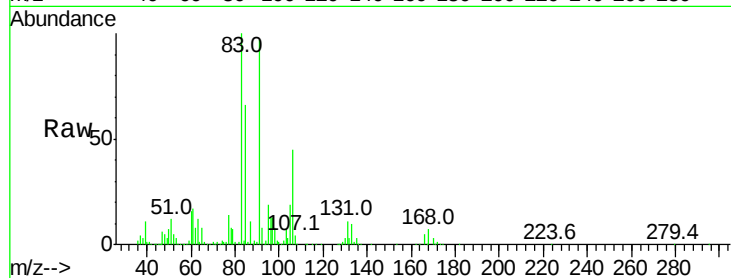




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.272 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

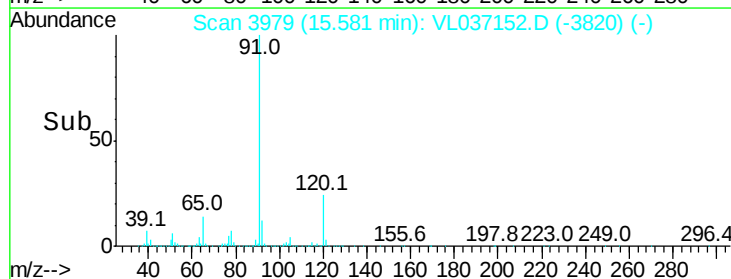
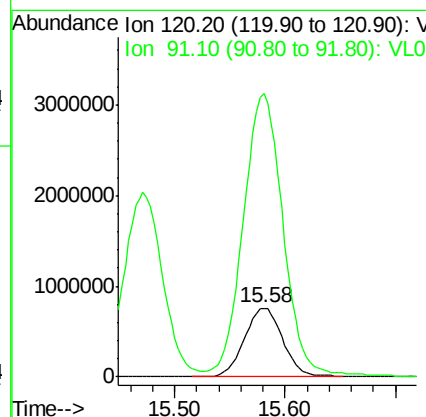
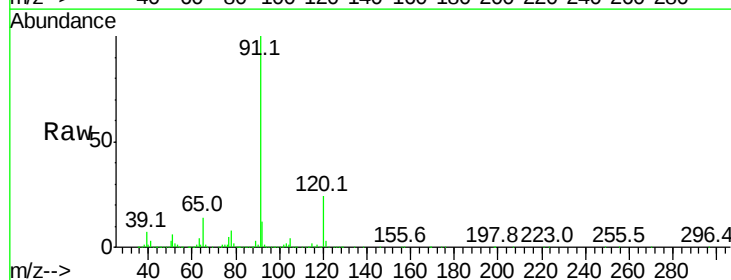
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

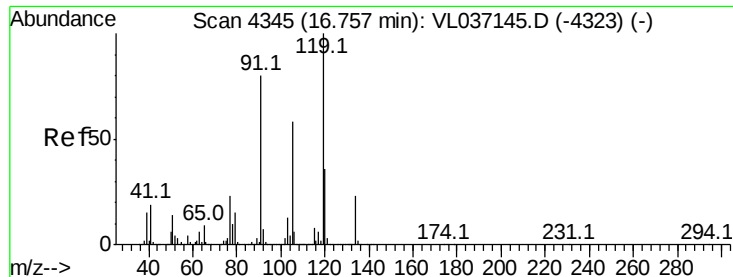
Tgt Ion: 83 Resp: 3246240
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.4 16.2
 85 66.6 33.3 99.9



#64
 n-propylbenzene
 Concen: 8.344 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion: 120 Resp: 1830657
 Ion Ratio Lower Upper
 120 100
 91 428.8 342.2 513.4





#65

tert-Butylbenzene

Concen: 7.892 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

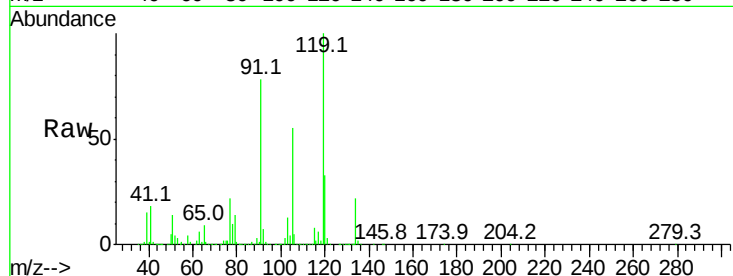
Tgt Ion:119 Resp: 6152914

Ion Ratio Lower Upper

119 100

91 77.6 62.8 94.2

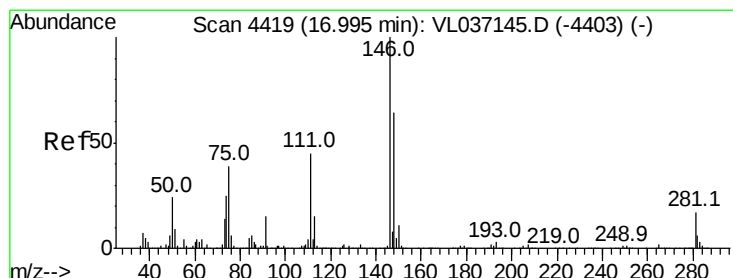
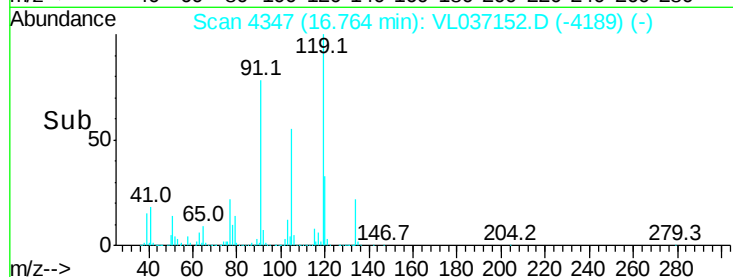
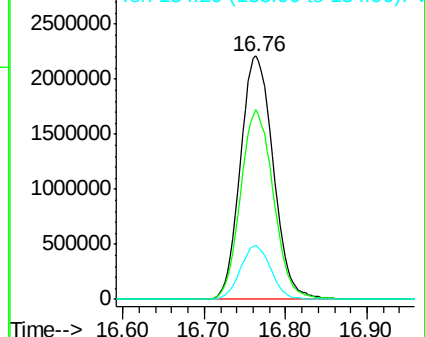
134 20.5 16.5 24.7



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: 9.579 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

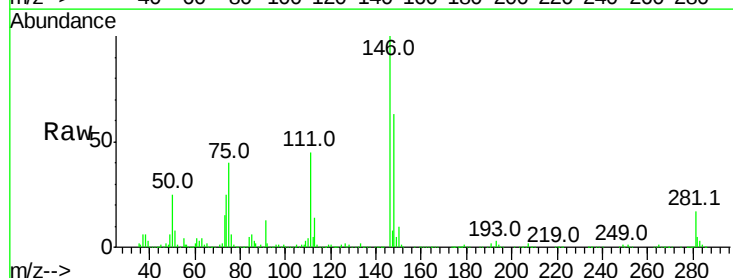
Tgt Ion: 91 Resp: 325984

Ion Ratio Lower Upper

91 100

126 18.8 16.4 24.6

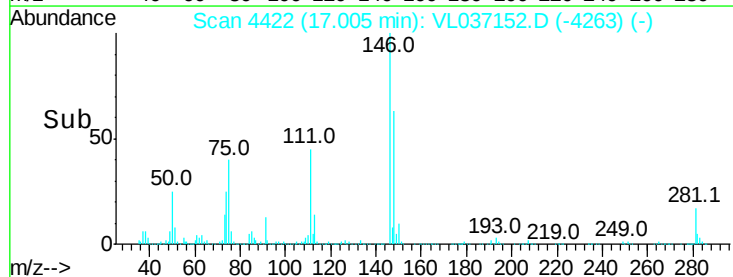
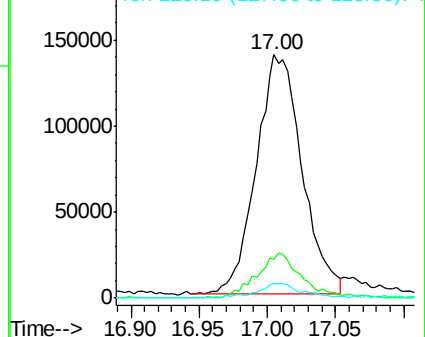
128 6.5 5.7 8.5

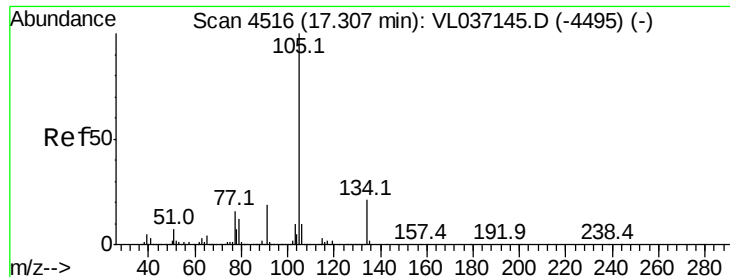


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.835 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

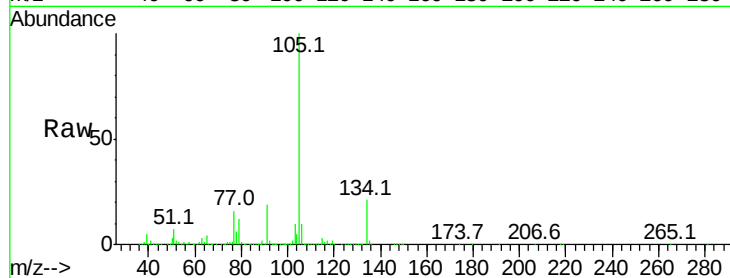
ICVVL061421

Tgt Ion: 105 Resp: 8115916

Ion Ratio Lower Upper

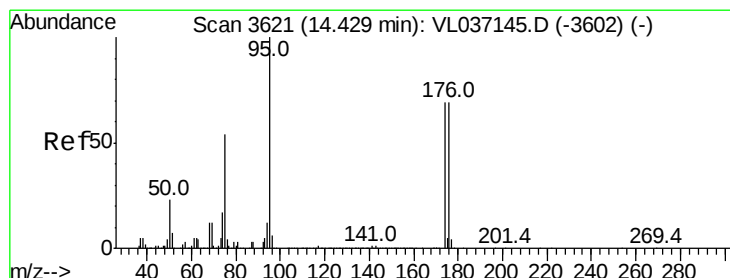
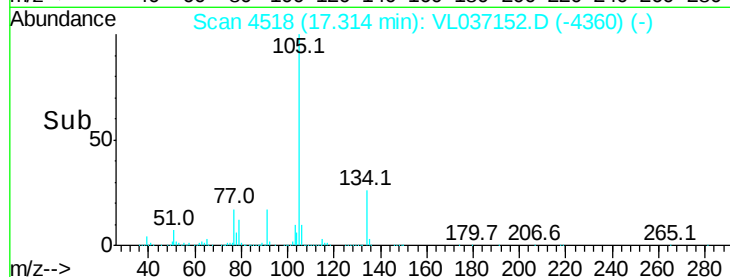
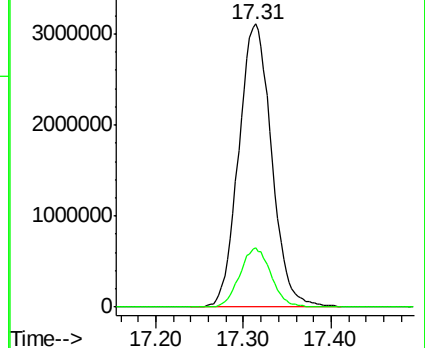
105 100

134 20.0 16.0 24.0



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: 8.186 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

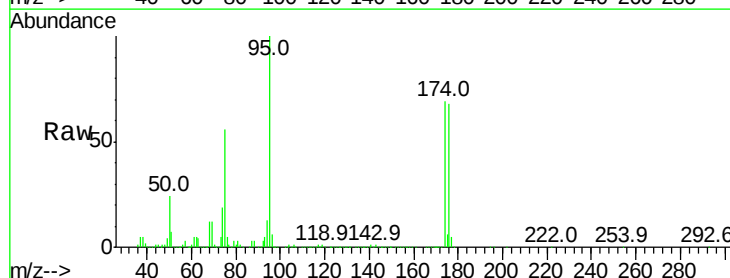
Tgt Ion: 95 Resp: 3292482

Ion Ratio Lower Upper

95 100

174 71.5 57.6 86.4

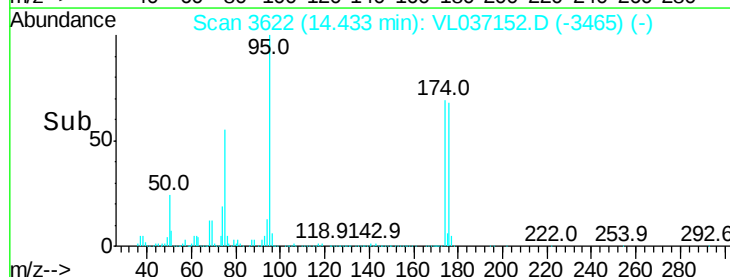
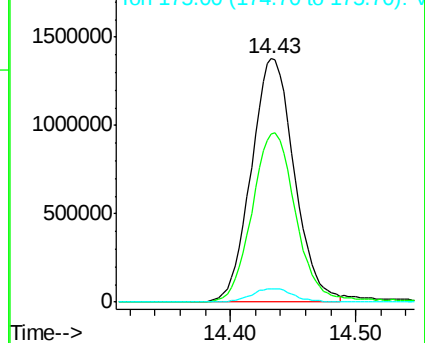
175 5.6 4.4 6.6

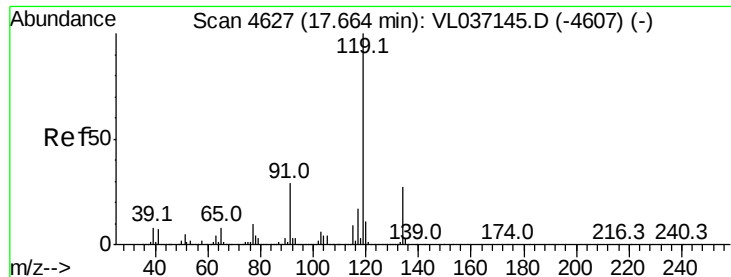


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

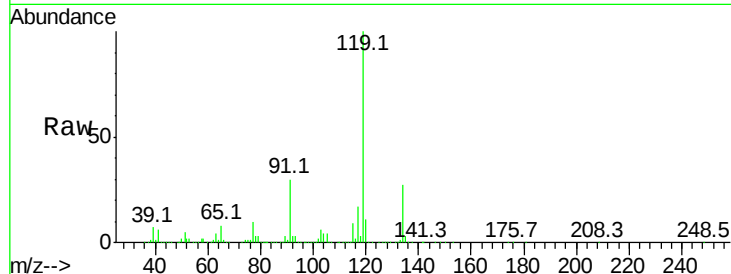




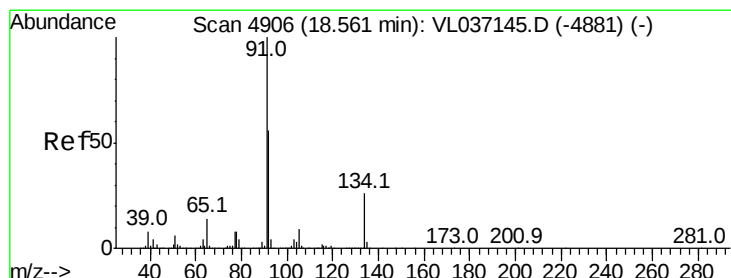
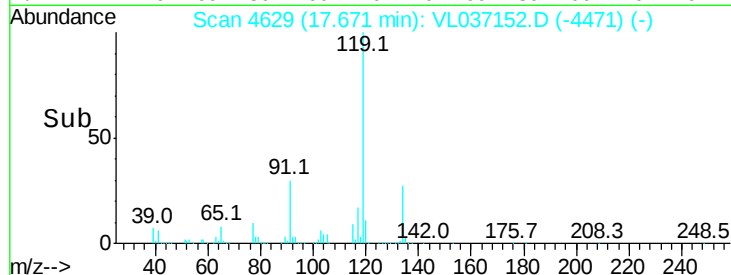
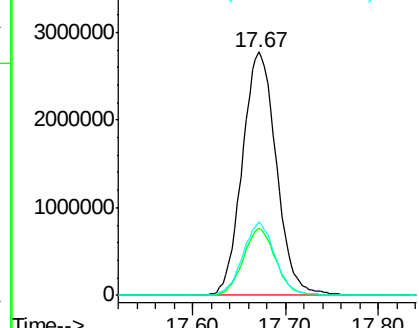
#69
p-Isopropyltoluene
Concen: 8.151 ppbv
RT: 17.67 min Scan# 4629
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tgt Ion: 119 Resp: 7058394
Ion Ratio Lower Upper
119 100
134 26.5 21.2 31.8
91 28.7 22.9 34.3

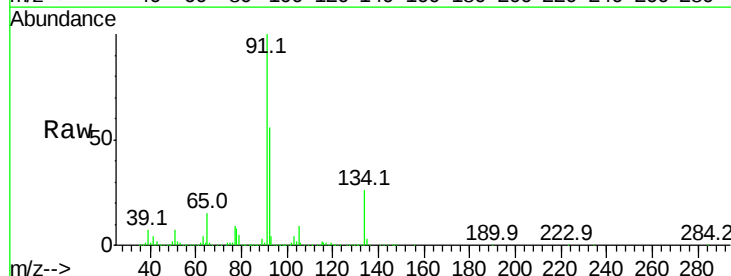


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

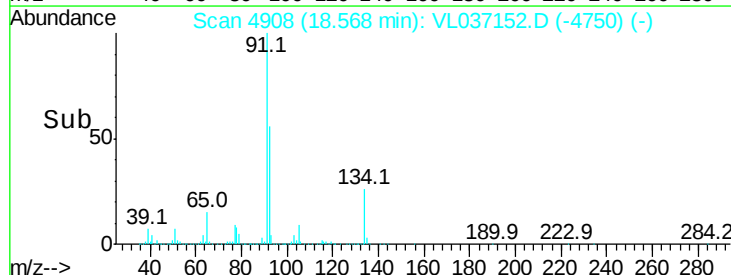
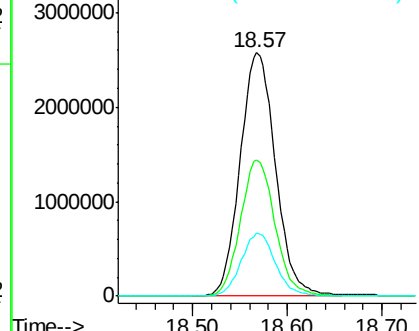


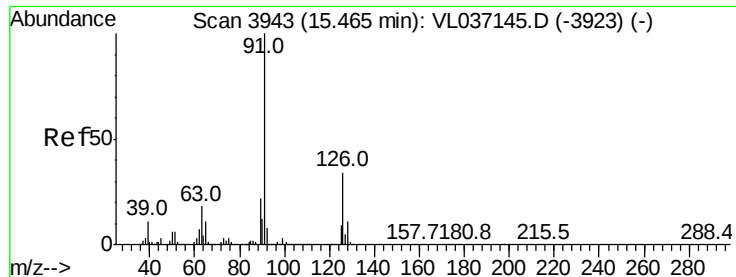
#70
n-Butylbenzene
Concen: 8.455 ppbv
RT: 18.57 min Scan# 4908
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 91 Resp: 6698910
Ion Ratio Lower Upper
91 100
92 55.0 44.0 66.0
134 25.3 20.4 30.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.050 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

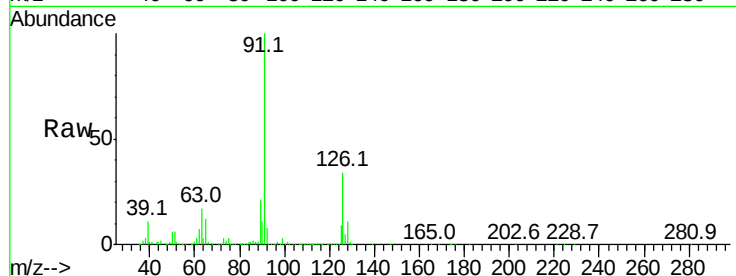
ICVVL061421

Tgt Ion: 91 Resp: 4939822

Ion Ratio Lower Upper

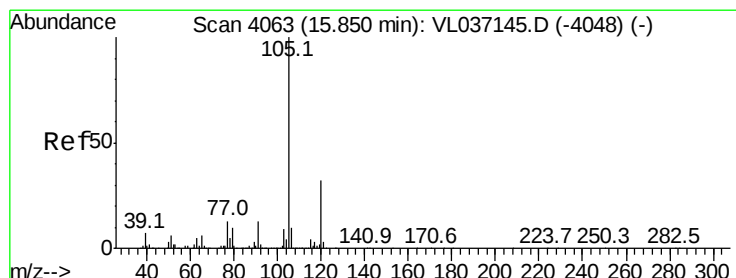
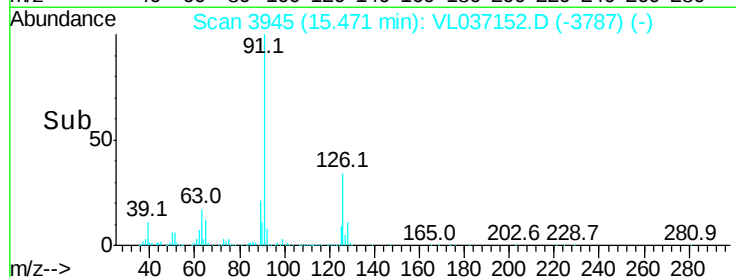
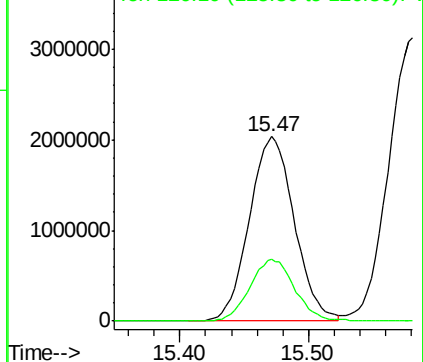
91 100

126 34.0 13.4 53.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 8.388 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion: 105 Resp: 5881183

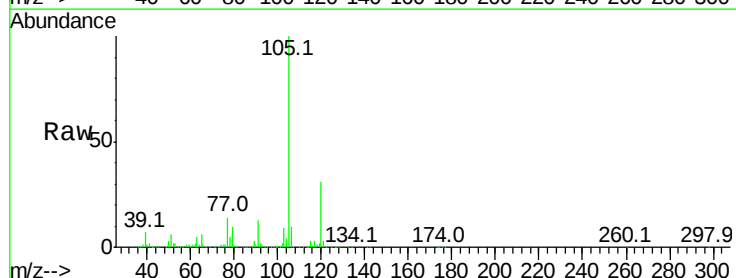
Ion Ratio Lower Upper

105 100

120 30.8 25.1 37.7

91 12.9 10.3 15.5

77 13.6 11.0 16.6

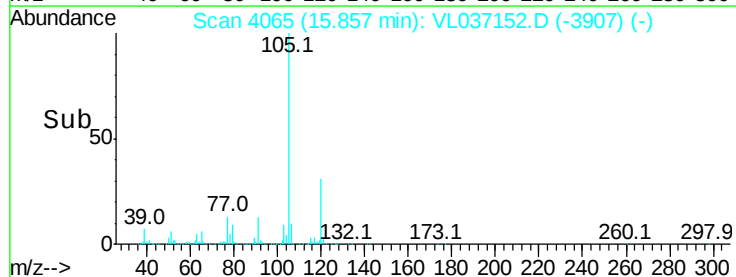
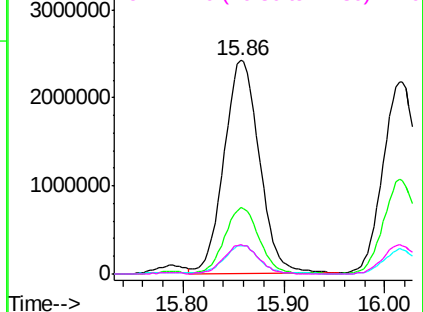


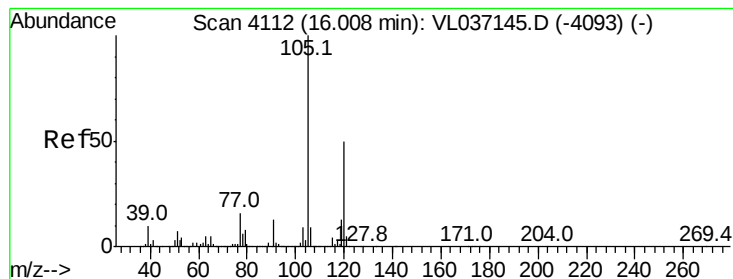
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.956 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

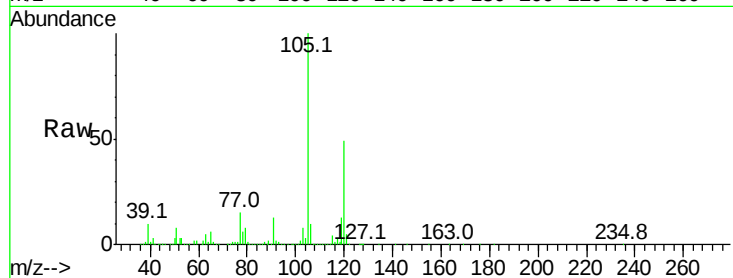
ICVVL061421

Tgt Ion:105 Resp: 5290206

Ion Ratio Lower Upper

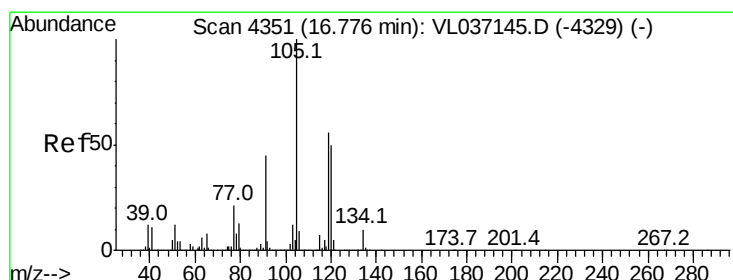
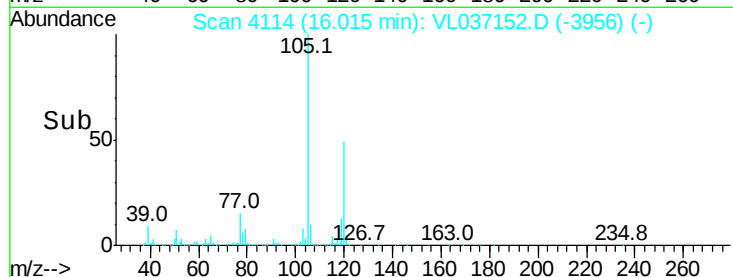
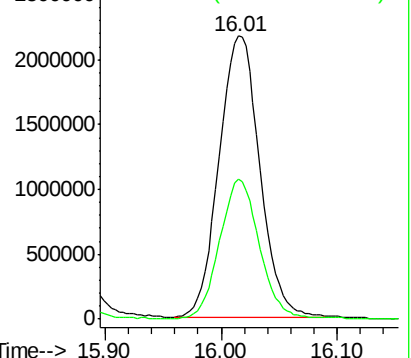
105 100

120 49.3 39.7 59.5



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: 8.213 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion:105 Resp: 5556878

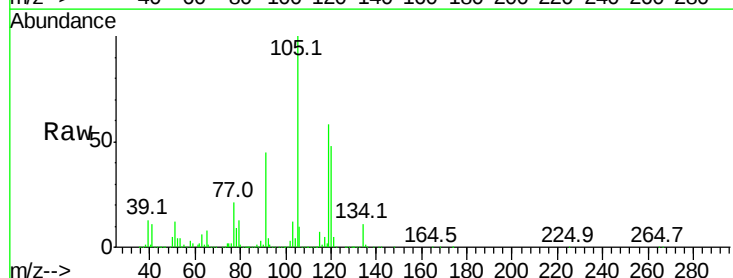
Ion Ratio Lower Upper

105 100

120 47.3 39.7 59.5

91 45.0 35.8 53.8

77 20.9 16.7 25.1

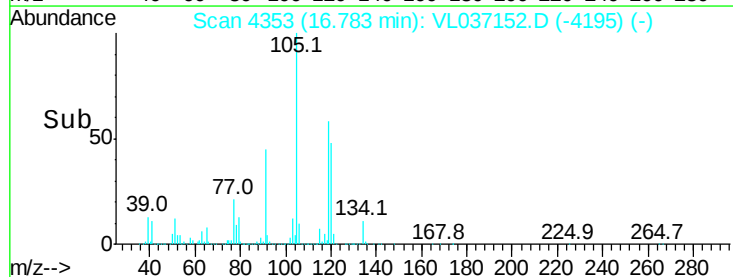
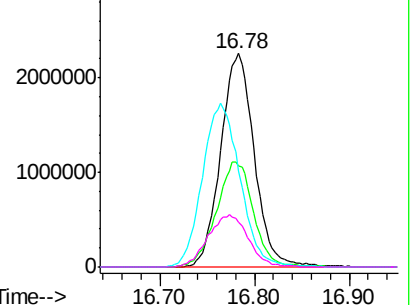


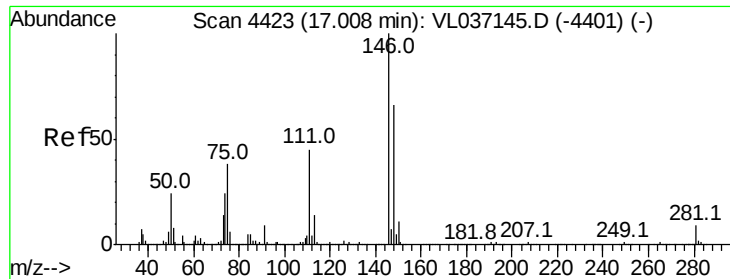
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

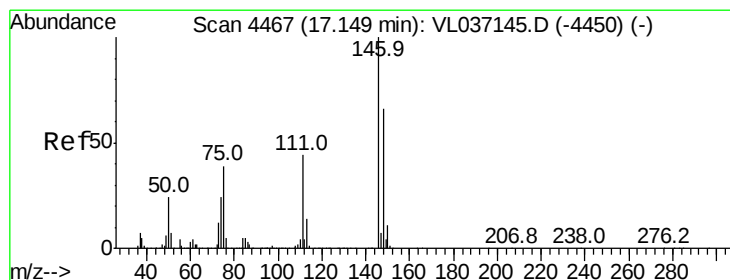
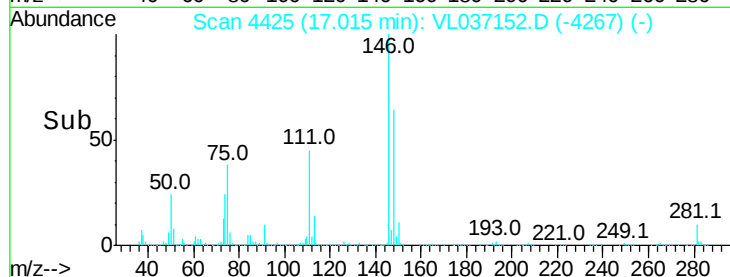
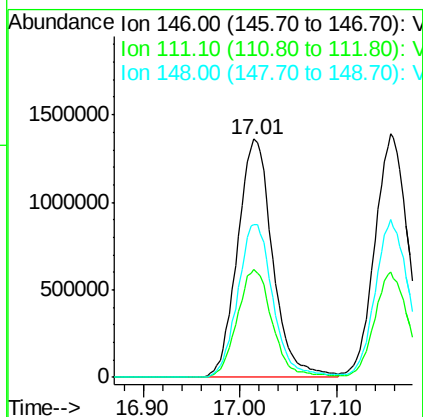
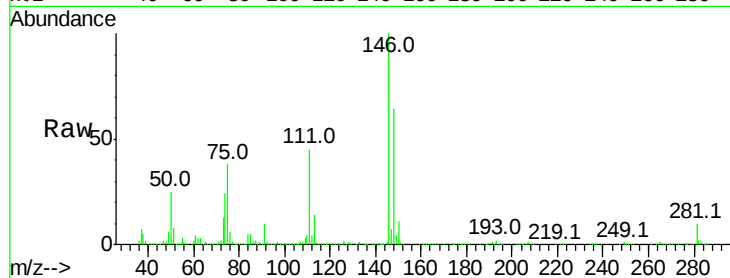




#75
 1,3-Dichlorobenzene
 Concen: 8.270 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

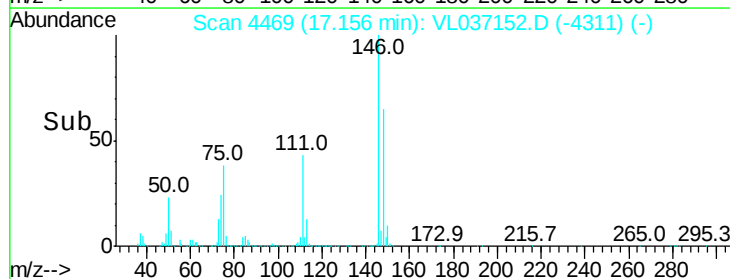
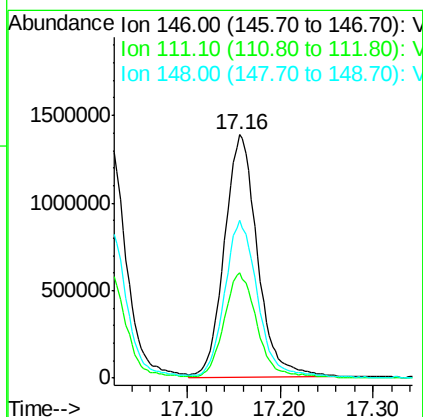
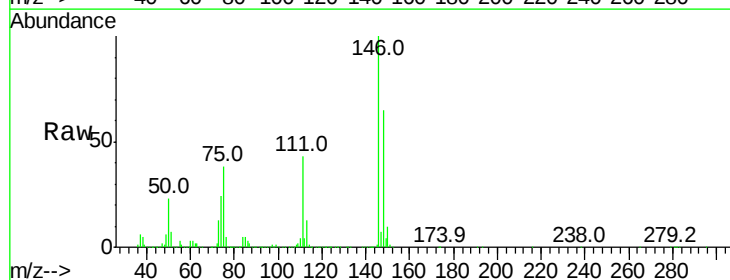
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

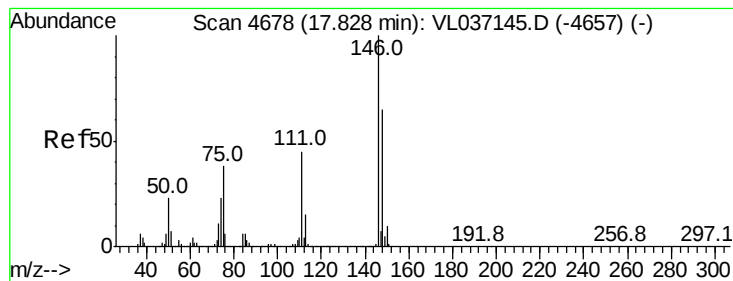
Tgt Ion:146 Resp: 3445459
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.4 67.2
 148 64.4 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 8.254 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion:146 Resp: 3415228
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.9 65.5
 148 65.3 32.4 97.0





#77

1,2-Dichlorobenzene

Concen: 8.045 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

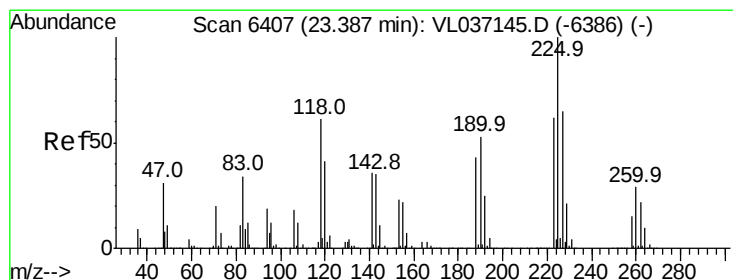
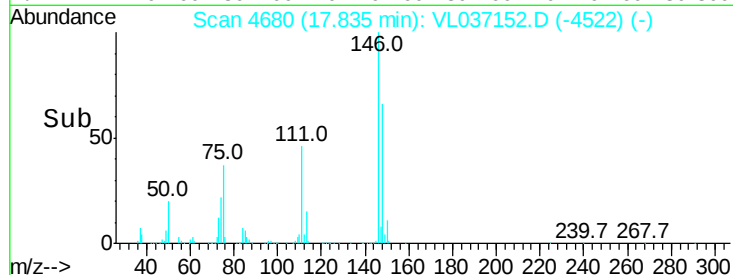
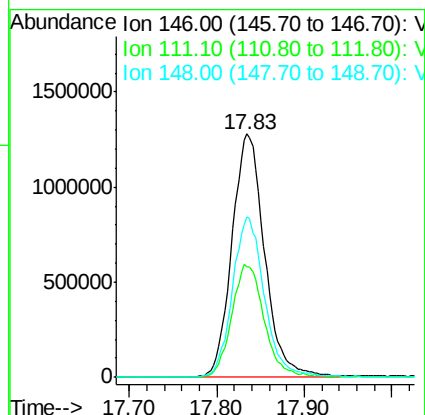
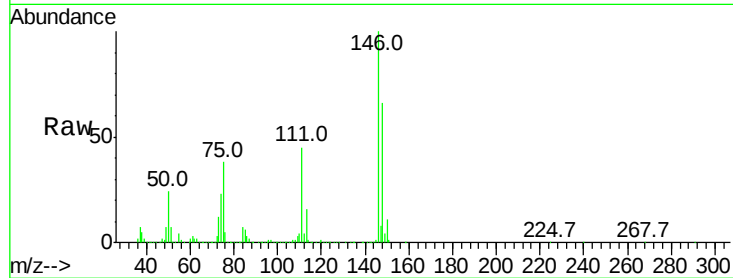
Tgt Ion:146 Resp: 3304717

Ion Ratio Lower Upper

146 100

111 46.5 23.1 69.3

148 64.8 32.5 97.5



#78

Hexachloro-1,3-Butadiene

Concen: 7.262 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

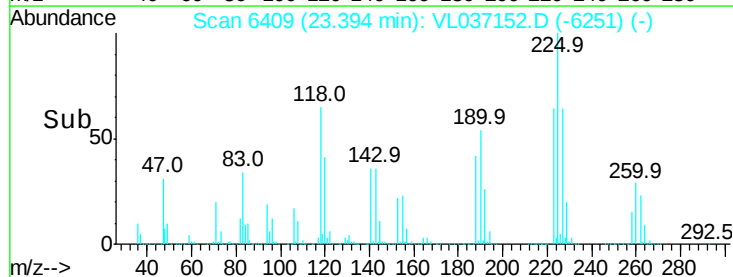
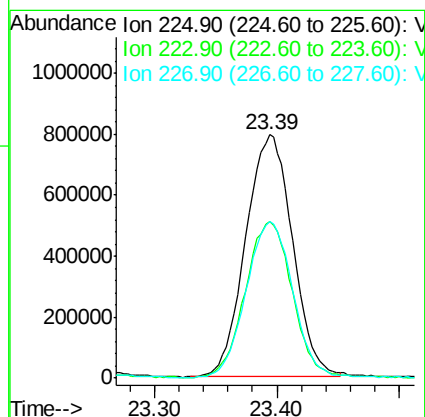
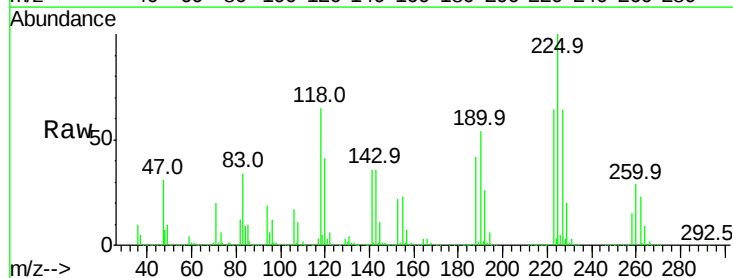
Tgt Ion:225 Resp: 2114737

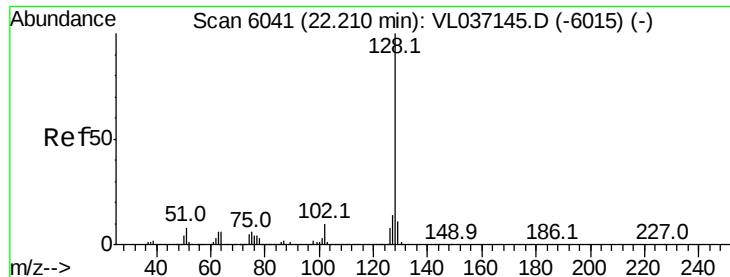
Ion Ratio Lower Upper

225 100

223 64.8 52.2 78.2

227 64.7 51.5 77.3





#79

Naphthalene

Concen: 10.230 ppbv

RT: 22.22 min Scan# 6044

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

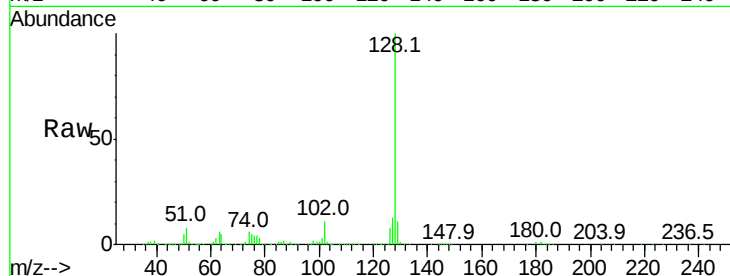
Tgt Ion:128 Resp: 4166016

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

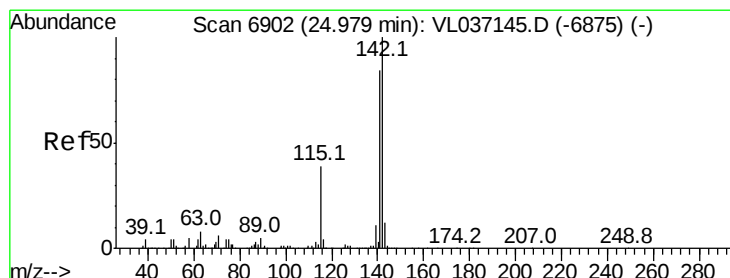
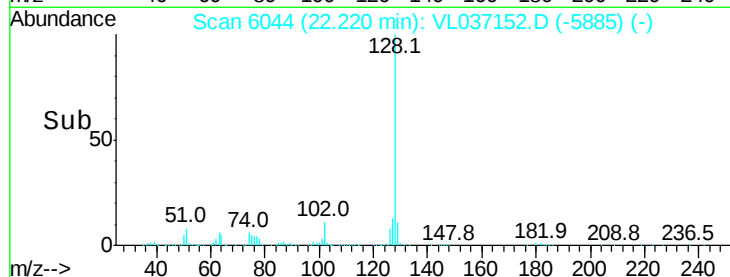
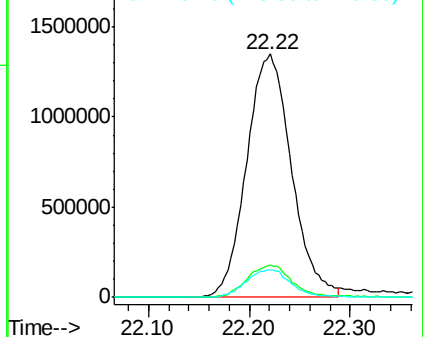
129 11.2 9.0 13.4



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: 14.542 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

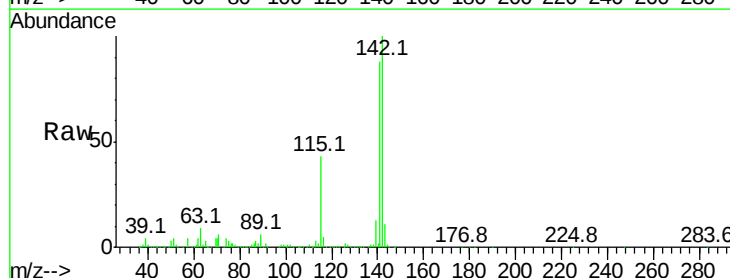
Tgt Ion:142 Resp: 1432859

Ion Ratio Lower Upper

142 100

141 81.5 66.7 100.1

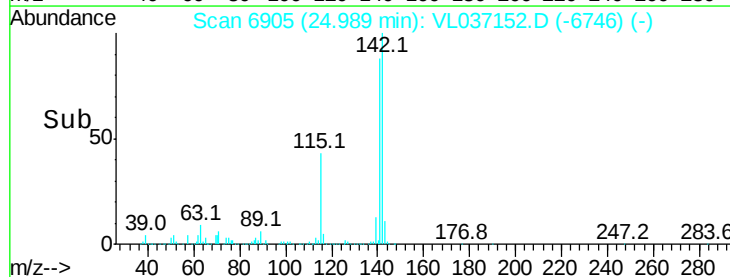
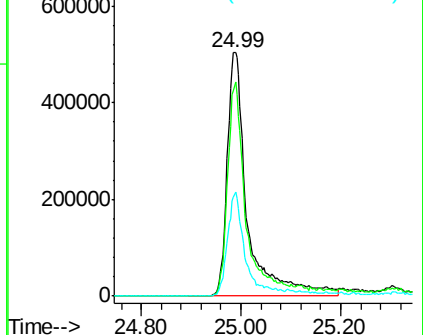
115 40.1 32.2 48.2

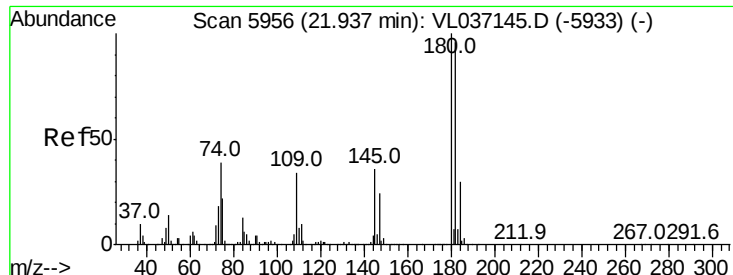


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.375 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

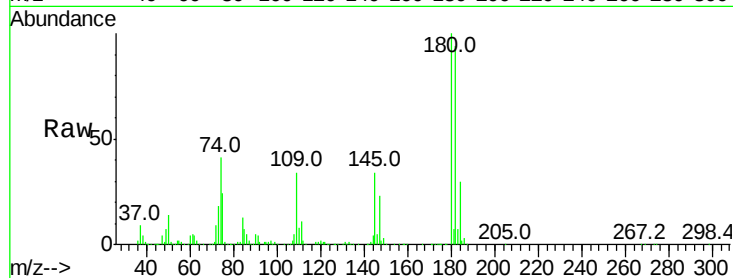
Tgt Ion:180 Resp: 2428516

Ion Ratio Lower Upper

180 100

182 100.4 79.8 119.6

184 31.1 25.1 37.7



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

