

Data File : VL037171.D
Acq On : 16 Jun 2021 14:27
Operator : SY/AP
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061621

Quant Time: Jun 16 15:53:09 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1554410	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4639615	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5328574	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3308249	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	2367459	8.758	ppbv	98
3) Chlorodifluoromethane	2.99	51	2676620	8.856	ppbv	100
4) Chloromethane	3.14	50	933178	9.264	ppbv	98
5) Vinyl Chloride	3.26	62	992840	8.968	ppbv	99
6) Bromomethane	3.47	94	615966	9.326	ppbv	97
7) Chloroethane	3.56	64	363659	9.190	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2482353	8.951	ppbv	99
9) Propene	3.01	41	868330	8.985	ppbv	99
10) Heptane	8.13	43	2184087	9.331	ppbv	99
11) Trichlorofluoromethane	3.95	101	2575682	8.929	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1846958	9.083	ppbv	99
13) Ethanol	3.62	45	118984	7.959	ppbv	58
14) Bromoethene	3.74	108	795980	9.379	ppbv	99
15) Acetone	3.85	43	1326977	7.570	ppbv	97
16) 1,3-Butadiene	3.33	39	975267	9.411	ppbv	99
17) tert-Butyl alcohol	4.29	59	1608151	9.927	ppbv	100
18) 1,1-Dichloroethene	4.29	96	840937	9.333	ppbv	99
19) Isopropyl Alcohol	3.97	45	956353	9.008	ppbv	100
20) Methylene Chloride	4.35	84	722947	6.889	ppbv	98
21) Allyl Chloride	4.41	41	1193059	9.030	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	849952	9.533	ppbv	98
23) Vinyl Acetate	5.08	43	2240202	8.913	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1846437	9.124	ppbv	100
25) Ethyl Acetate	5.68	43	3511994	9.255	ppbv	99
26) Hexane	5.69	57	1669334	8.704	ppbv	100
27) Carbon Disulfide	4.56	76	1970422	10.486	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2108580	9.145	ppbv	99
29) Chloroform	5.76	83	2720293	9.182	ppbv	100
30) Cyclohexane	7.14	84	1451686	9.084	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1728450	9.807	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2825005	8.911	ppbv	99
34) 2-Butanone	5.25	43	1619439	8.975	ppbv	100
35) Carbon Tetrachloride	7.02	117	3010191	9.673	ppbv	100
36) Benzene	6.90	78	3475676	9.264	ppbv	99
37) 1,2-Dichloroethane	6.31	62	2027476	9.303	ppbv	99
38) Trichloroethene	7.84	130	1526815	8.561	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1333276	9.564	ppbv	99
40) 1,4-Dioxane	7.84	88	348577	9.118	ppbv	86
41) Tetrahydrofuran	6.06	42	807826	9.638	ppbv	99
42) Bromodichloromethane	7.80	83	2970524	9.880	ppbv	98
43) Methyl Methacrylate	8.02	69	1283762	9.908	ppbv	100

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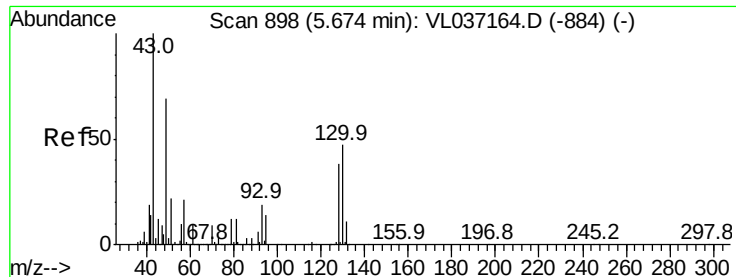
Quant Time: Jun 16 15:53:09 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5683527	8.996	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1305832	11.423	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1671695	10.690	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1478884	9.298	ppbv	97
48) Dibromochloromethane	10.31	129	2647520	10.545	ppbv	99
49) Bromoform	13.05	173	2166165	11.580	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2377376	9.592	ppbv	98
51) 2-Hexanone	10.14	43	1223411	10.145	ppbv	97
52) Tetrachloroethene	11.23	164	1441162	8.267	ppbv	99
53) Toluene	9.81	91	4154779	9.271	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2216933	9.699	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1778533	7.634	ppbv	97
57) Chlorobenzene	12.16	112	3185429	7.371	ppbv	96
58) Ethyl Benzene	12.72	91	5509370	7.511	ppbv	100
59) m/p-Xylene	13.01	91	4804050	7.728	ppbv #	35
60) o-Xylene	13.70	91	4409502	7.449	ppbv	100
61) Styrene	13.54	104	2545575	8.333	ppbv	98
62) Isopropylbenzene	14.68	105	6171181	7.332	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2953895	7.495	ppbv	100
64) n-propylbenzene	15.57	120	1659365	7.872	ppbv	98
65) tert-Butylbenzene	16.75	119	5620611	7.529	ppbv	100
66) Benzyl Chloride	17.00	91	279437	8.833	ppbv	98
67) sec-Butylbenzene	17.30	105	7504152	7.538	ppbv	100
69) p-Isopropyltoluene	17.66	119	6547482	7.787	ppbv	100
70) n-Butylbenzene	18.56	91	6206043	7.975	ppbv	100
71) 2-Chlorotoluene	15.46	91	4539862	7.715	ppbv	99
72) 4-Ethyltoluene	15.85	105	5281220	7.854	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4907779	7.550	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	5114841	7.637	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	3201911	7.863	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	3039274	7.472	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3036512	7.708	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2034047	6.005	ppbv	99
79) Naphthalene	22.21	128	4046110	7.246	ppbv	98
80) Naphthalene,2-methyl-	24.98	142	1349119	9.212	ppbv	94
81) 1,2,4-Trichlorobenzene	21.94	180	2281900	7.082	ppbv	98

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

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ICVVL061621

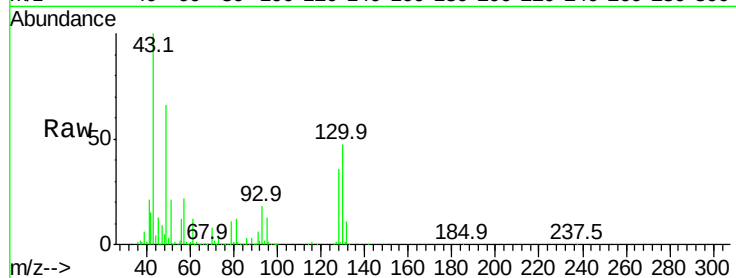
Tgt Ion: 49 Resp: 1554410

Ion Ratio Lower Upper

49 100

128 59.4 29.3 88.0

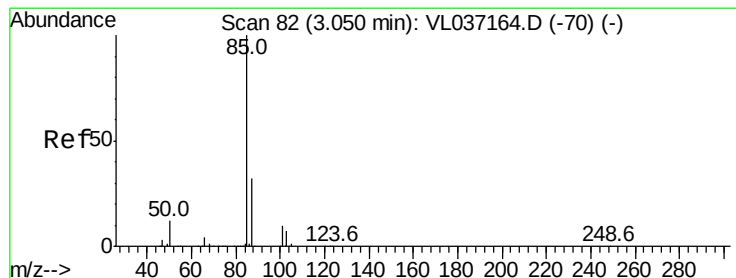
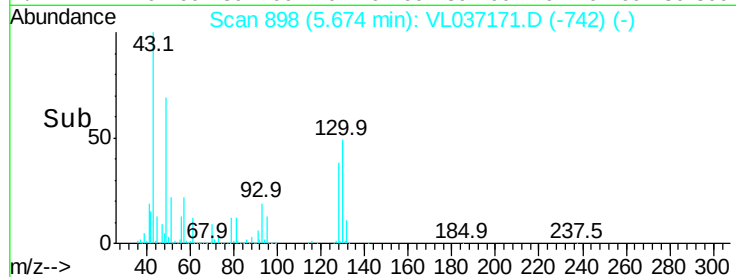
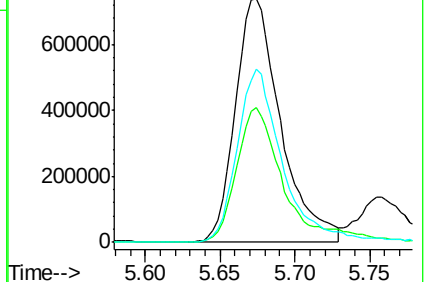
130 71.7 35.9 107.8



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: 8.758 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037171.D

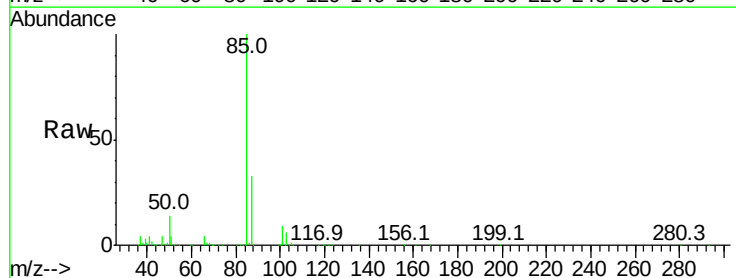
Acq: 16 Jun 2021 14:27

Tgt Ion: 85 Resp: 2367459

Ion Ratio Lower Upper

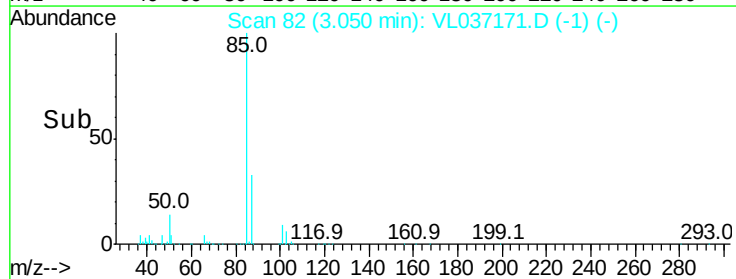
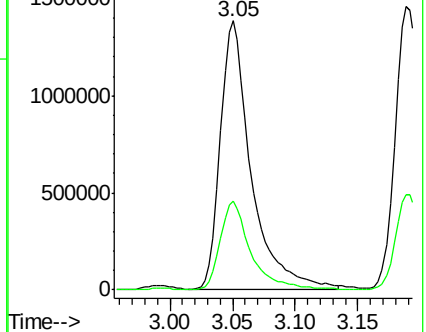
85 100

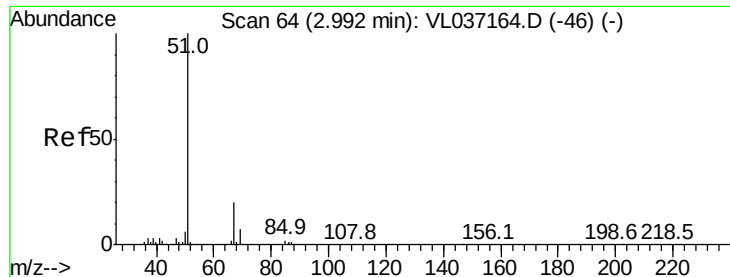
87 33.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.856 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

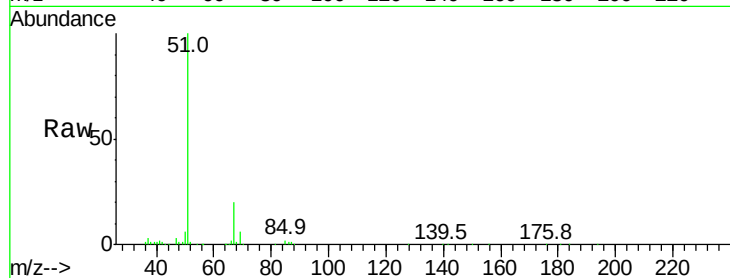
ICVVL061621

Tgt Ion: 51 Resp: 2676620

Ion Ratio Lower Upper

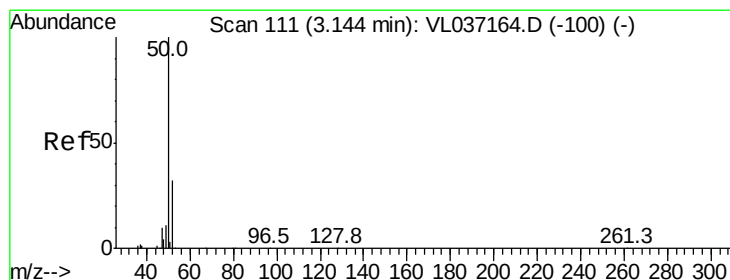
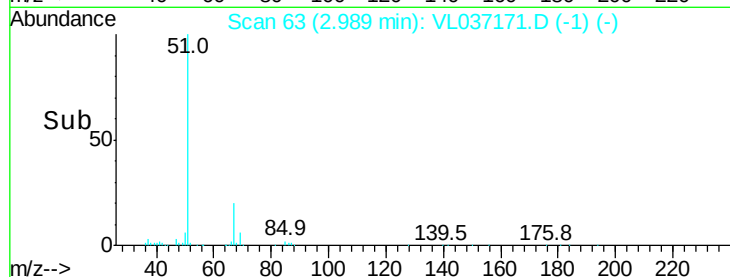
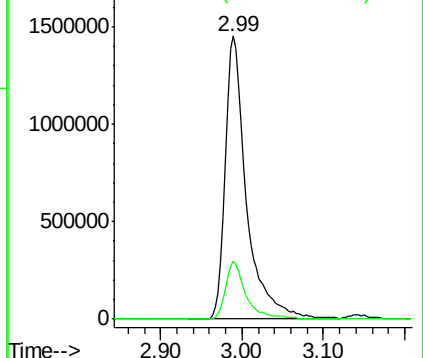
51 100

67 19.9 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.264 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037171.D

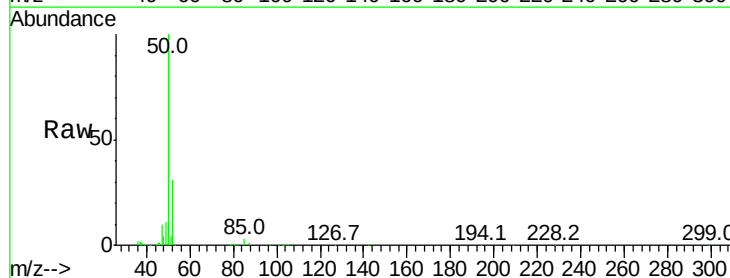
Acq: 16 Jun 2021 14:27

Tgt Ion: 50 Resp: 933178

Ion Ratio Lower Upper

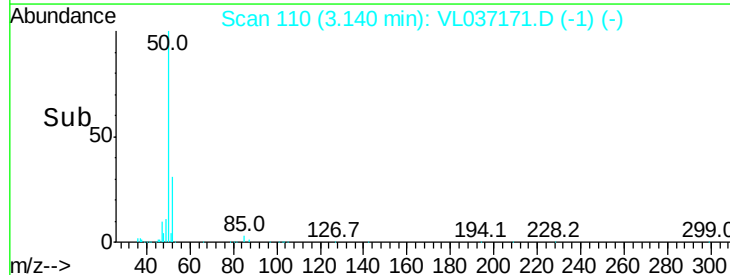
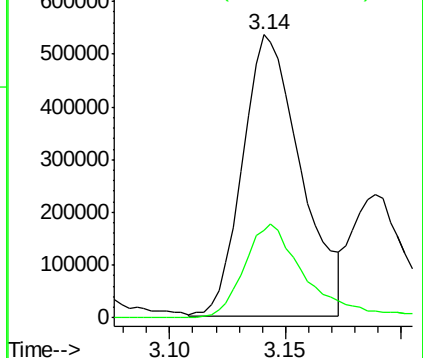
50 100

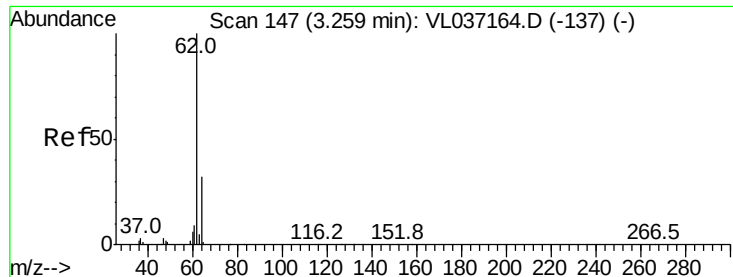
52 31.2 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.968 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

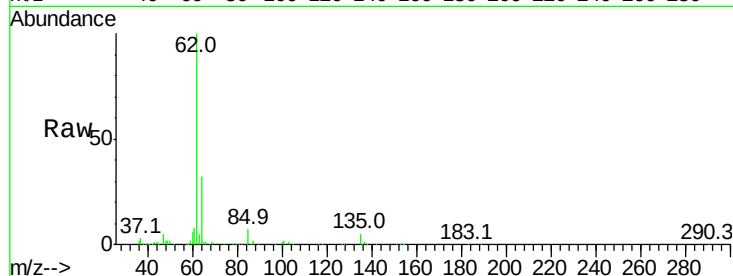
ICVVL061621

Tgt Ion: 62 Resp: 992840

Ion Ratio Lower Upper

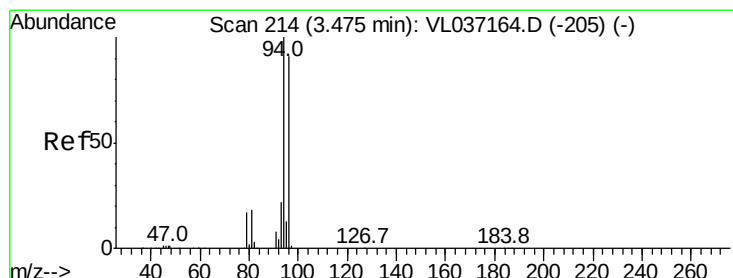
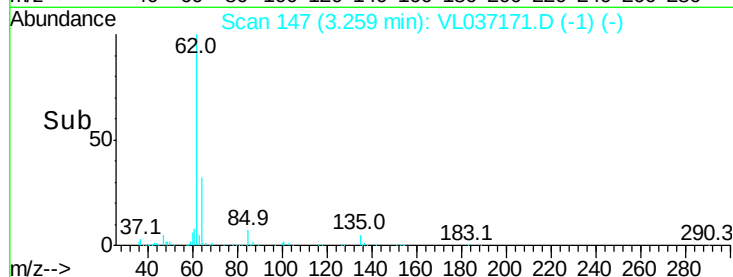
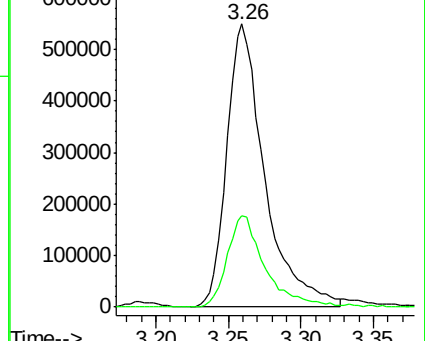
62 100

64 32.5 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.326 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037171.D

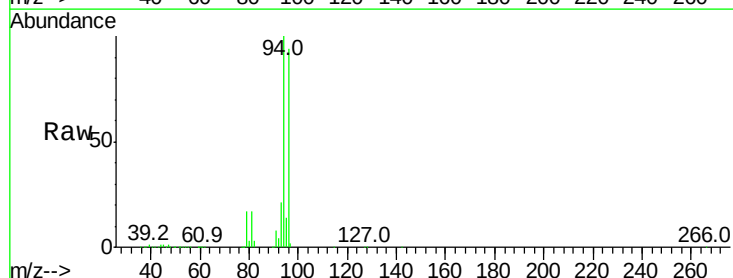
Acq: 16 Jun 2021 14:27

Tgt Ion: 94 Resp: 615966

Ion Ratio Lower Upper

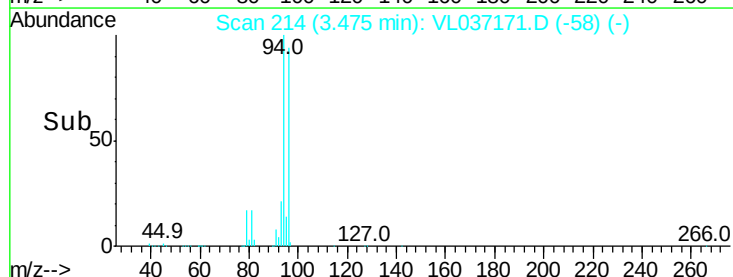
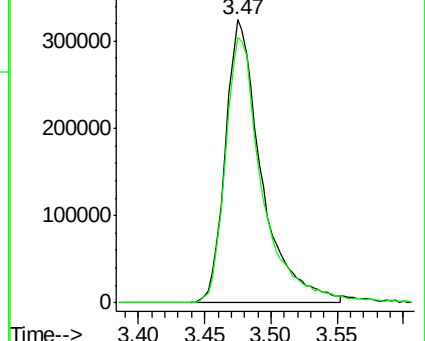
94 100

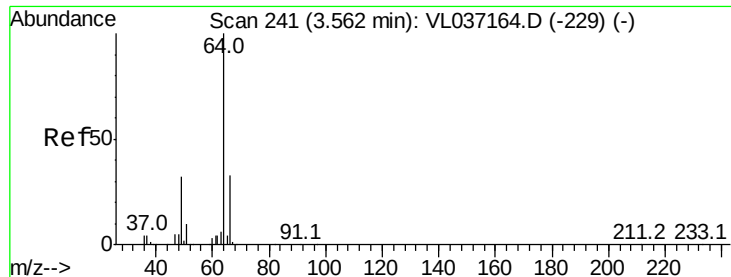
96 93.6 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.190 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

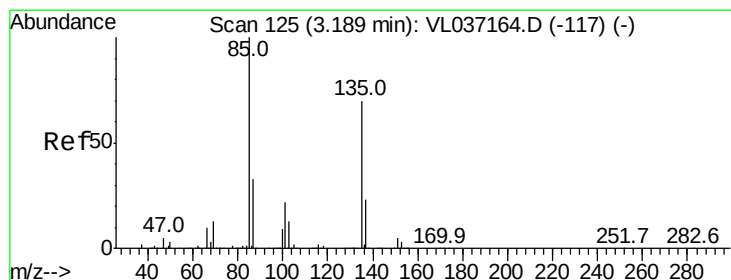
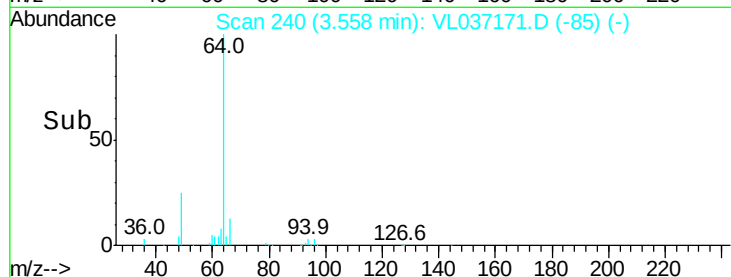
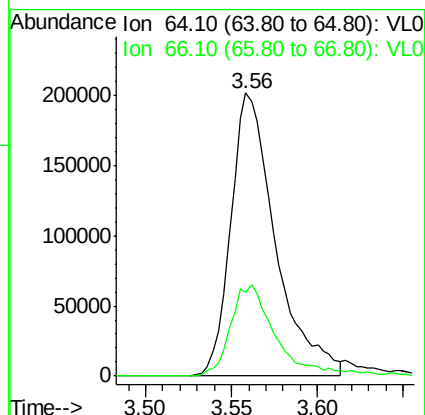
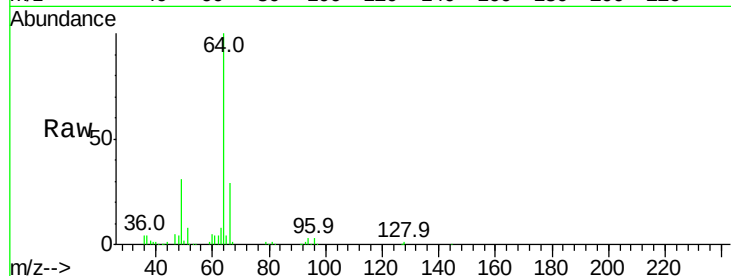
ICVVL061621

Tgt Ion: 64 Resp: 363659

Ion Ratio Lower Upper

64 100

66 29.4 26.2 39.4



#8

Dichlorotetrafluoroethane

Concen: 8.951 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037171.D

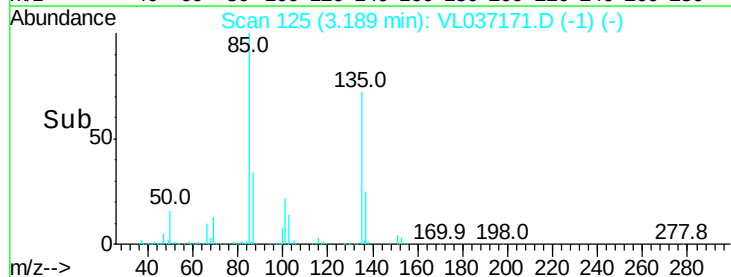
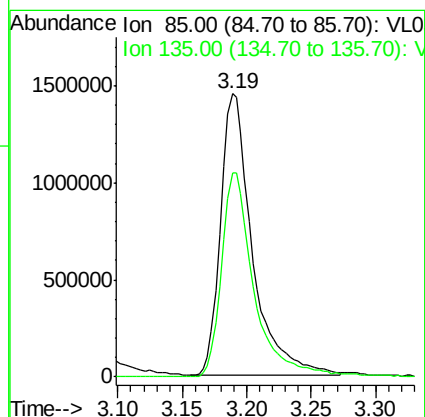
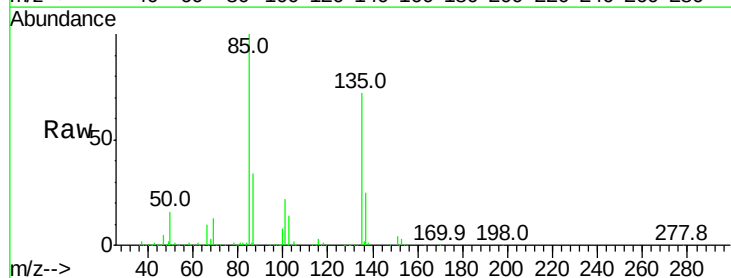
Acq: 16 Jun 2021 14:27

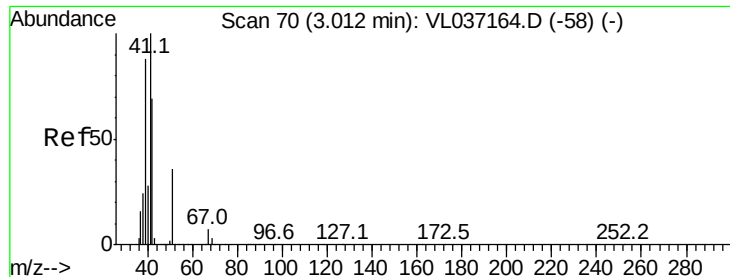
Tgt Ion: 85 Resp: 2482353

Ion Ratio Lower Upper

85 100

135 74.9 60.4 90.6





#9

Propene

Concen: 8.985 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

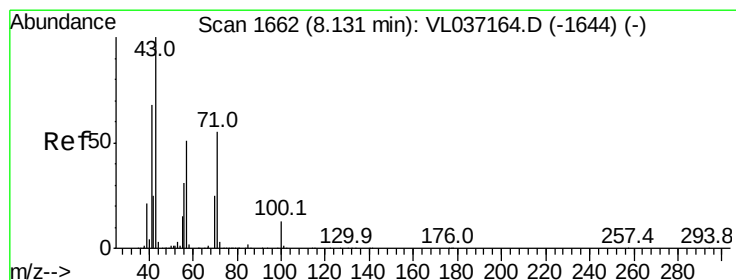
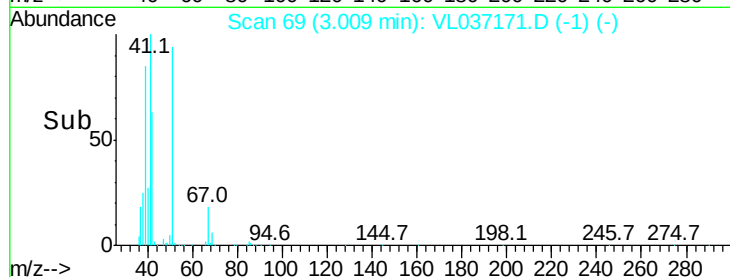
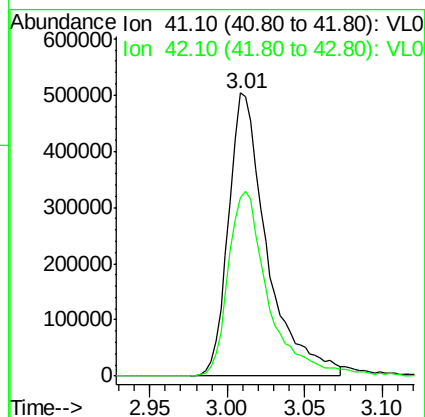
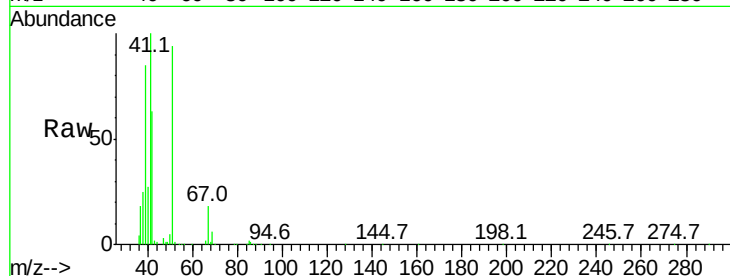
ICVVL061621

Tgt Ion: 41 Resp: 868330

Ion Ratio Lower Upper

41 100

42 68.5 54.5 81.7



#10

Heptane

Concen: 9.331 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL037171.D

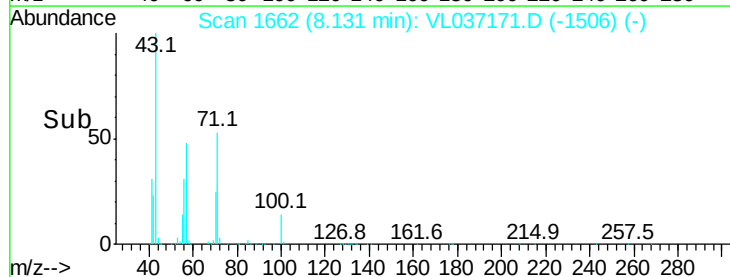
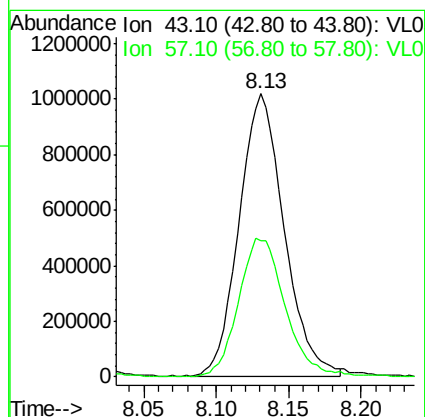
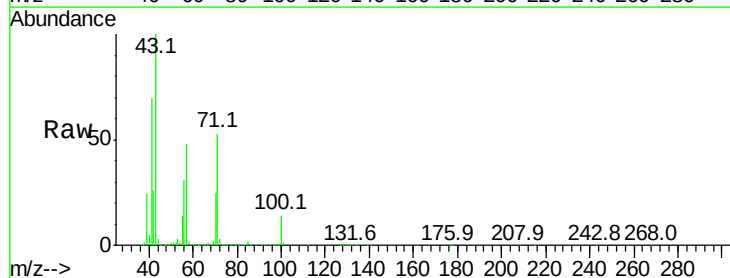
Acq: 16 Jun 2021 14:27

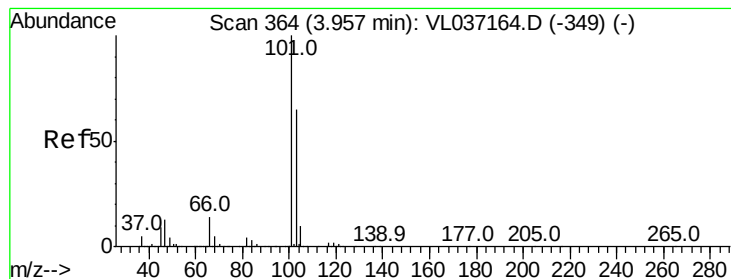
Tgt Ion: 43 Resp: 2184087

Ion Ratio Lower Upper

43 100

57 51.6 40.6 61.0





#11

Trichlorofluoromethane

Concen: 8.929 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

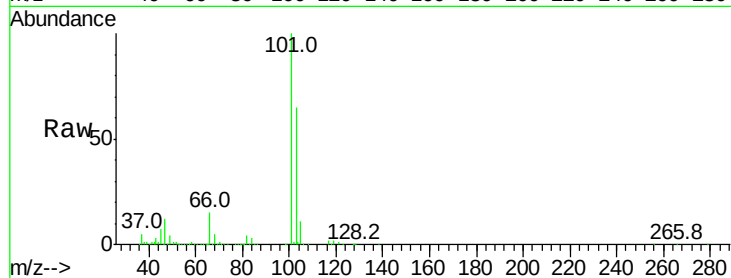
ICVVL061621

Tgt Ion:101 Resp: 2575682

Ion Ratio Lower Upper

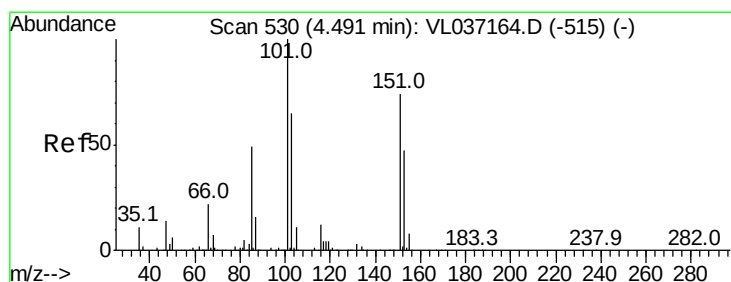
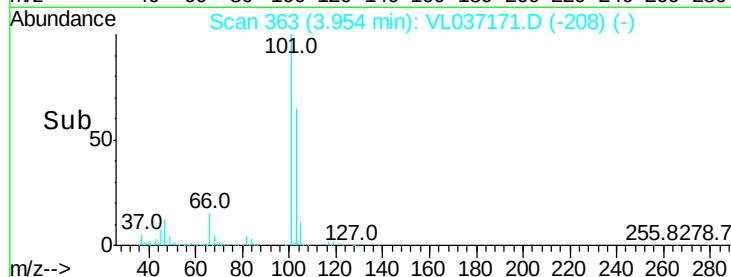
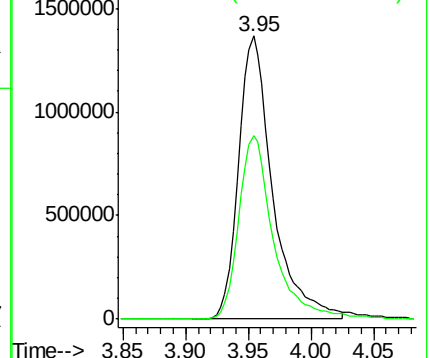
101 100

103 64.7 52.2 78.4



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: 9.083 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.00 min

Lab File: VL037171.D

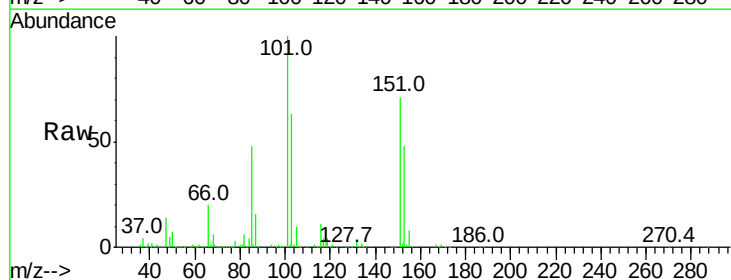
Acq: 16 Jun 2021 14:27

Tgt Ion:101 Resp: 1846958

Ion Ratio Lower Upper

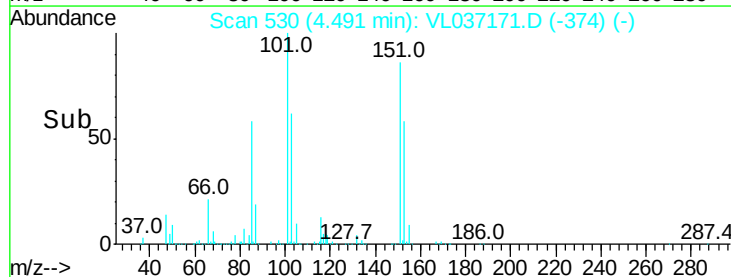
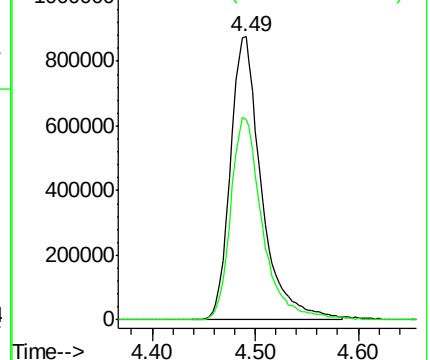
101 100

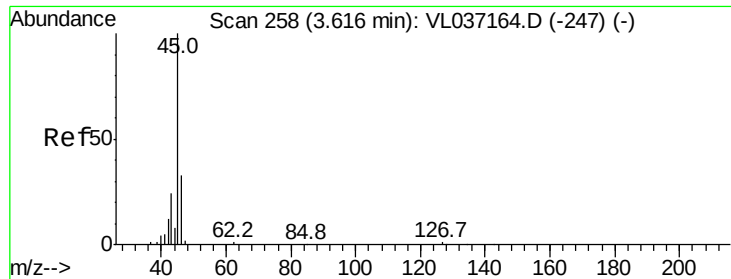
151 73.3 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

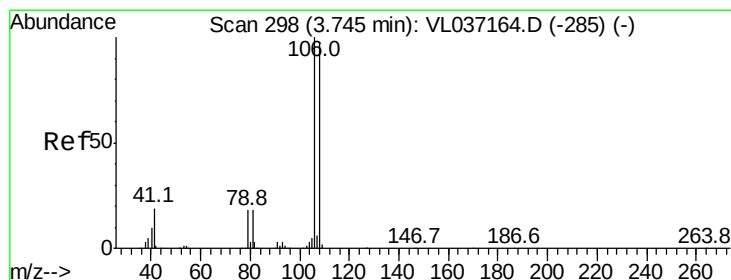
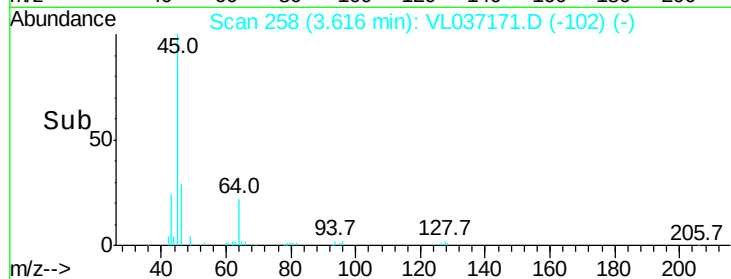
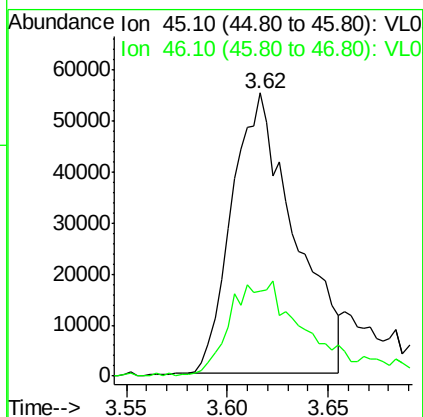
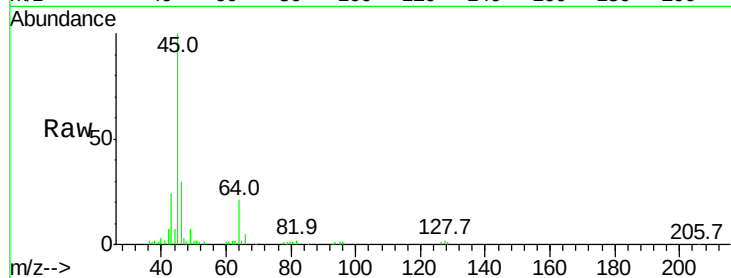




#13
 Ethanol
 Concen: 7.959 ppbv
 RT: 3.62 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

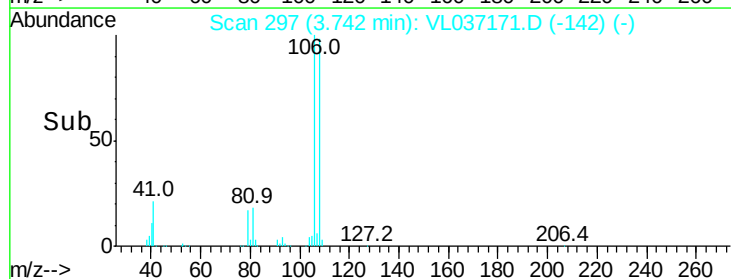
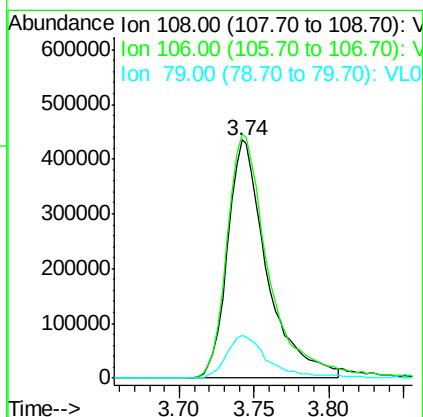
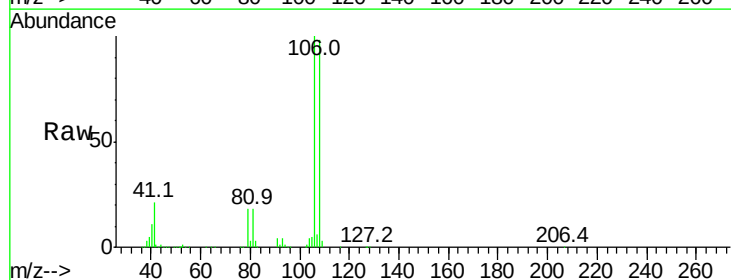
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061621

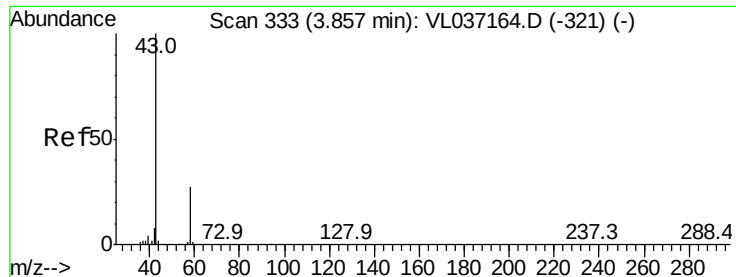
Tgt Ion: 45 Resp: 118984
 Ion Ratio Lower Upper
 45 100
 46 47.5 34.2 137.0



#14
 Bromoethene
 Concen: 9.379 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. -0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

Tgt Ion: 108 Resp: 795980
 Ion Ratio Lower Upper
 108 100
 106 109.4 86.8 130.2
 79 19.3 15.6 23.4





#15

Acetone

Concen: 7.570 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

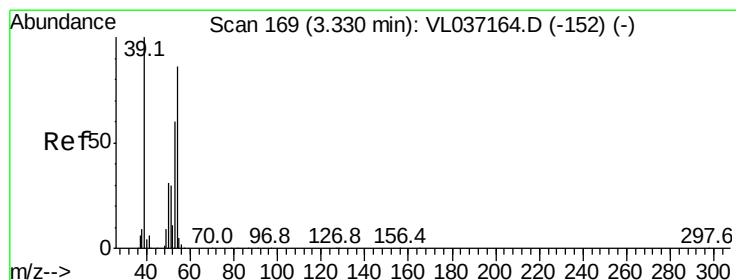
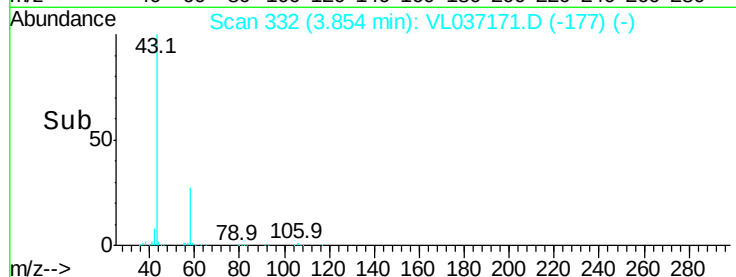
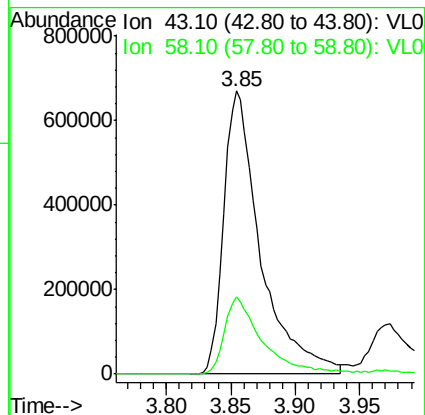
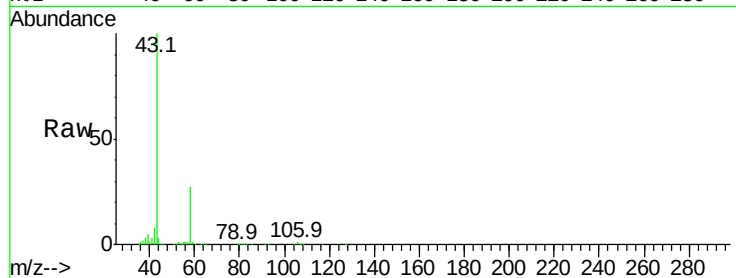
ICVVL061621

Tgt Ion: 43 Resp: 1326977

Ion Ratio Lower Upper

43 100

58 27.9 23.7 35.5



#16

1,3-Butadiene

Concen: 9.411 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL037171.D

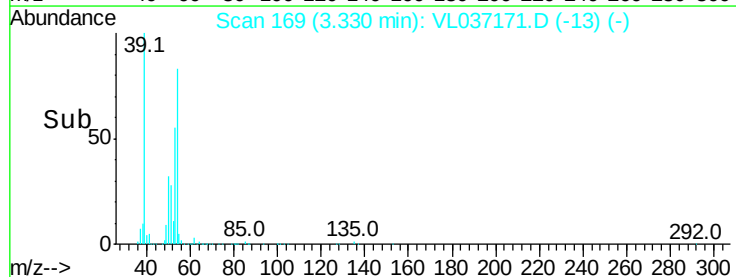
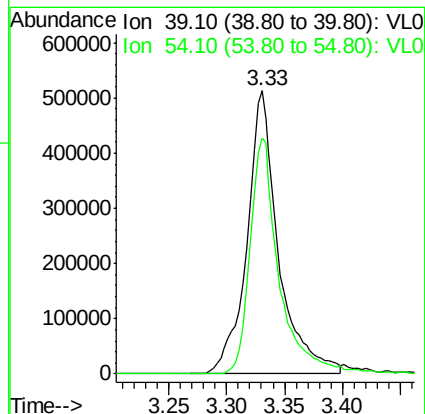
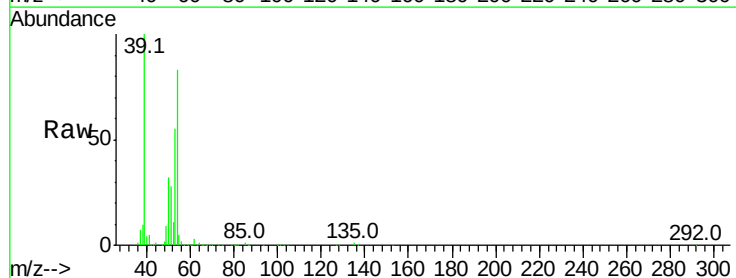
Acq: 16 Jun 2021 14:27

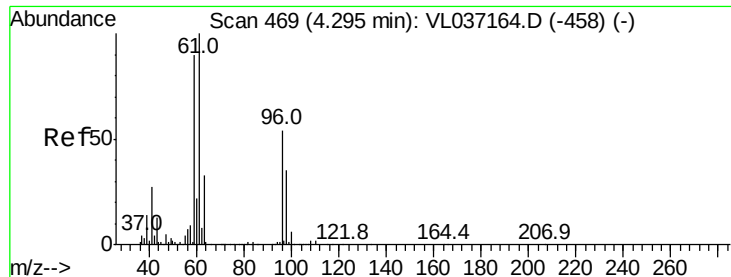
Tgt Ion: 39 Resp: 975267

Ion Ratio Lower Upper

39 100

54 77.4 61.2 91.8





#17

tert-Butyl alcohol

Concen: 9.927 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

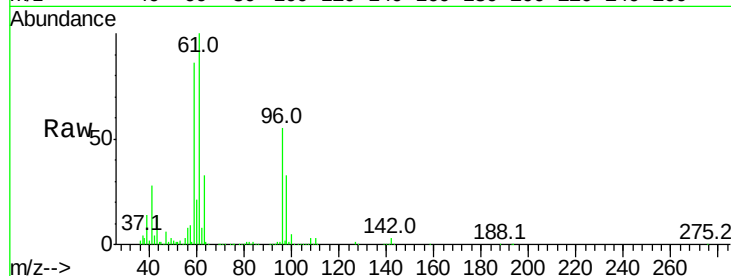
ICVVL061621

Tgt Ion: 59 Resp: 1608151

Ion Ratio Lower Upper

59 100

57 11.1 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

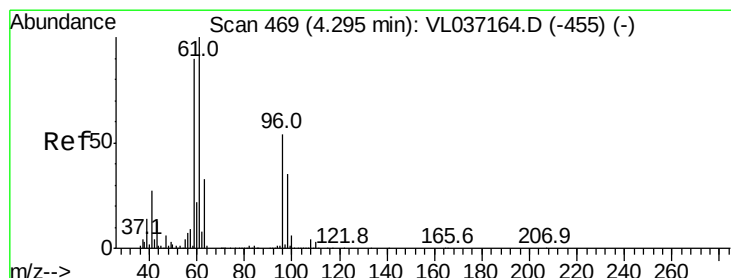
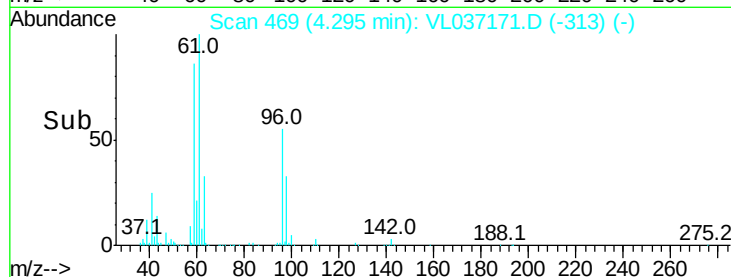
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 9.333 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

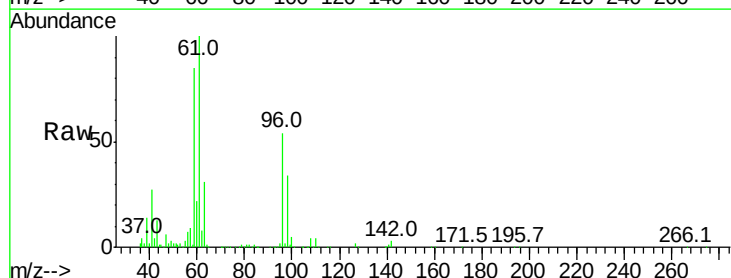
Tgt Ion: 96 Resp: 840937

Ion Ratio Lower Upper

96 100

61 184.9 148.6 222.8

98 63.2 51.9 77.9



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

1000000

800000

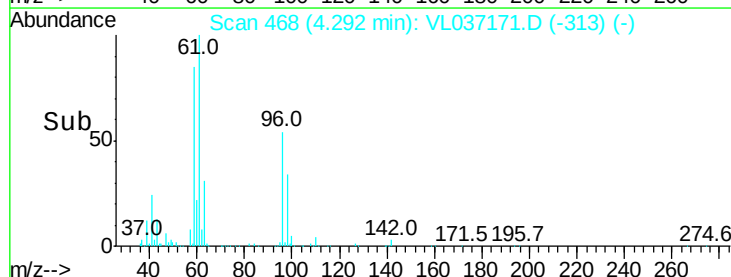
600000

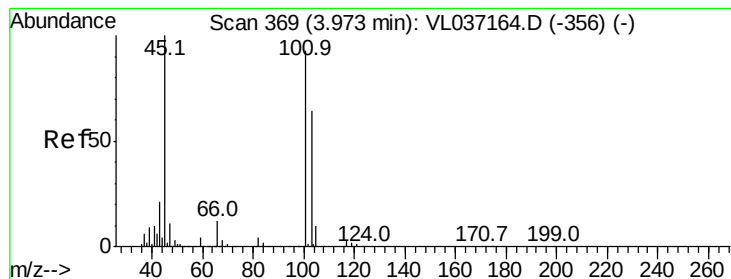
400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 9.008 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

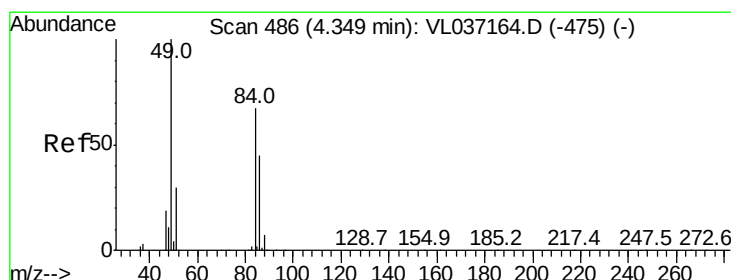
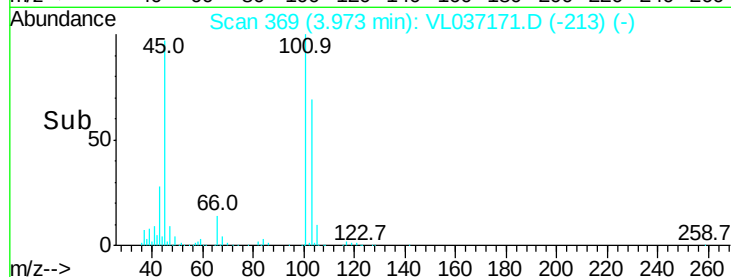
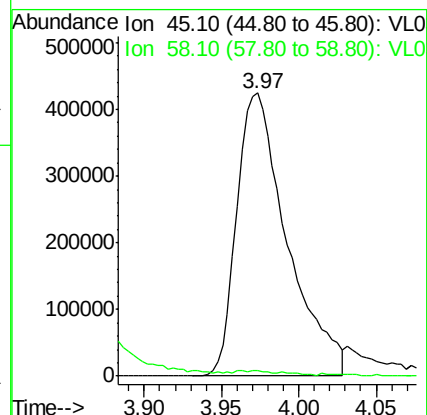
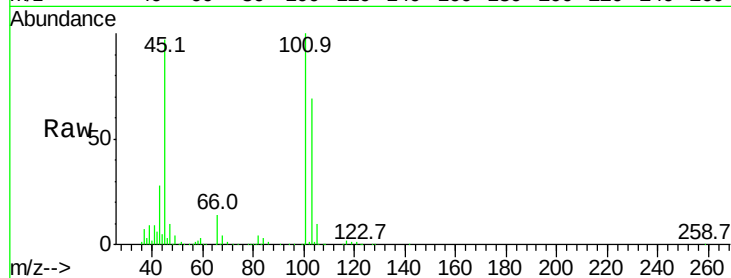
ICVVL061621

Tgt Ion: 45 Resp: 956353

Ion Ratio Lower Upper

45 100

58 3.0 2.4 3.6



#20

Methylene Chloride

Concen: 6.889 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Tgt Ion: 84 Resp: 722947

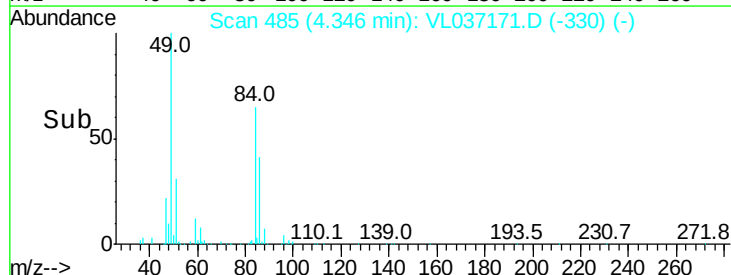
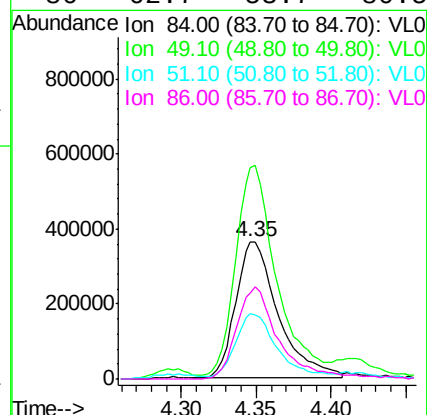
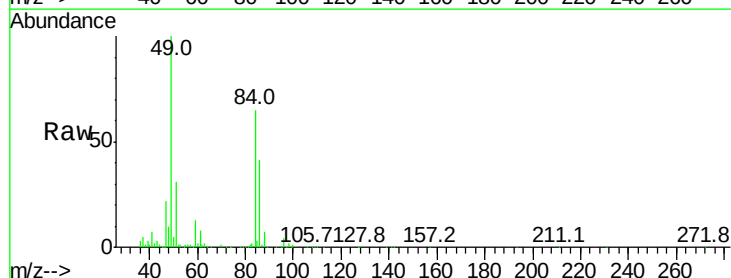
Ion Ratio Lower Upper

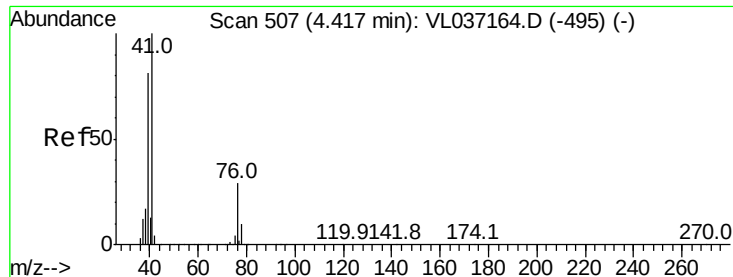
84 100

49 151.5 119.7 179.5

51 44.6 36.1 54.1

86 62.7 53.7 80.5





#21

Allyl Chloride

Concen: 9.030 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

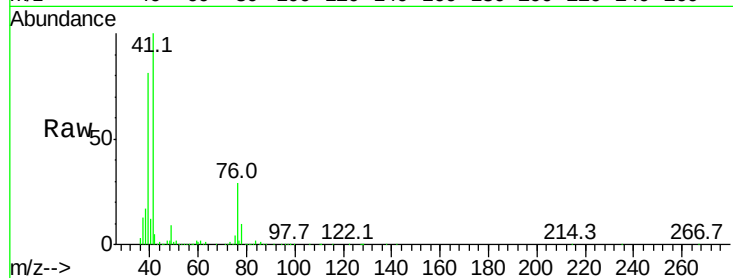
Tgt Ion: 41 Resp: 1193059

Ion Ratio Lower Upper

41 100

76 32.0 24.6 37.0

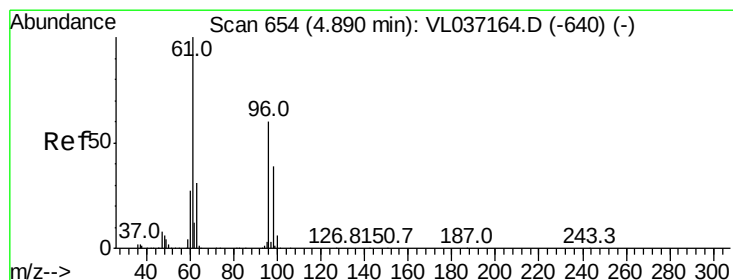
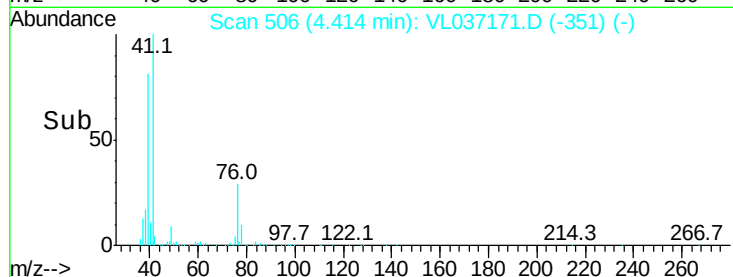
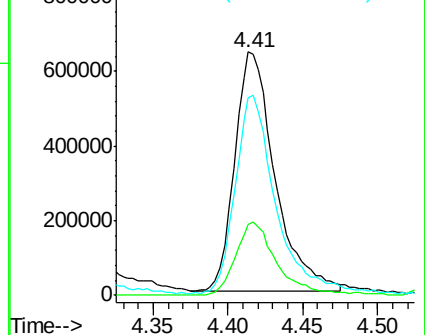
39 85.2 65.4 98.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.533 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

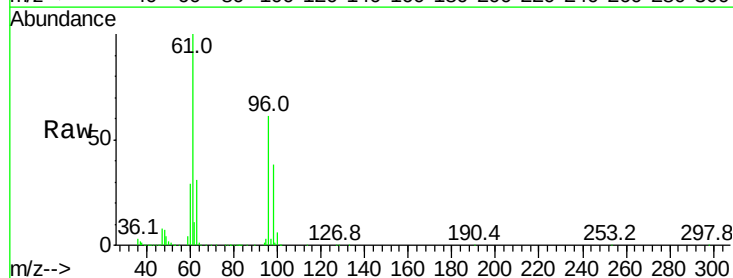
Tgt Ion: 96 Resp: 849952

Ion Ratio Lower Upper

96 100

61 165.0 133.9 200.9

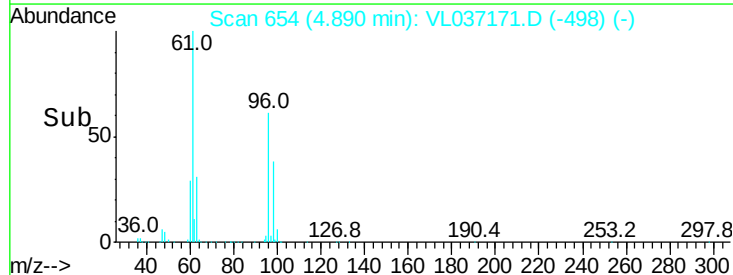
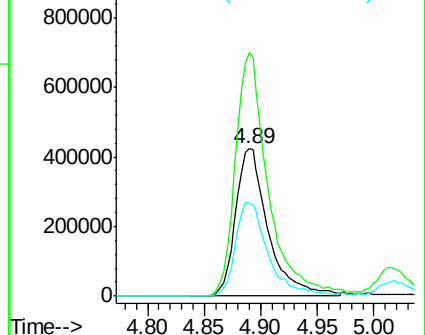
98 63.1 52.9 79.3

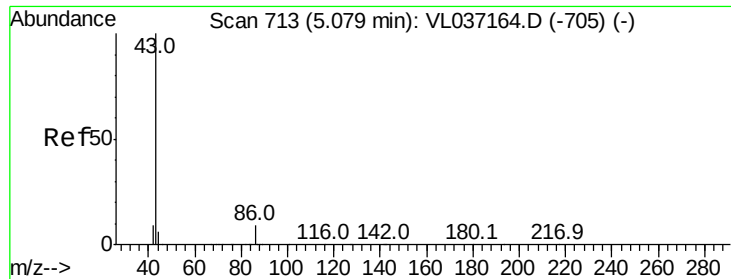


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.913 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

Tgt Ion: 43 Resp: 2240202

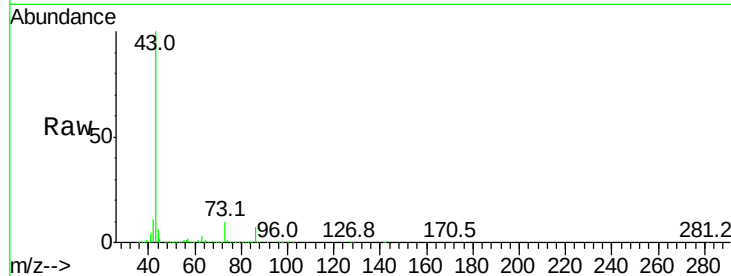
Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.8

42 10.6 8.2 12.2

44 5.3 4.2 6.4

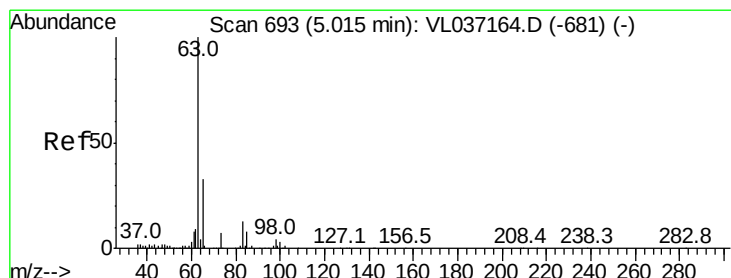
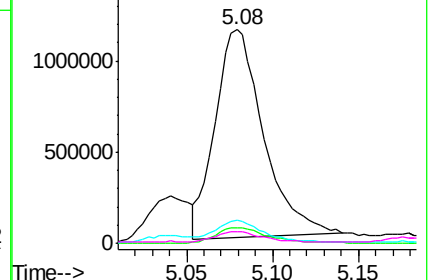
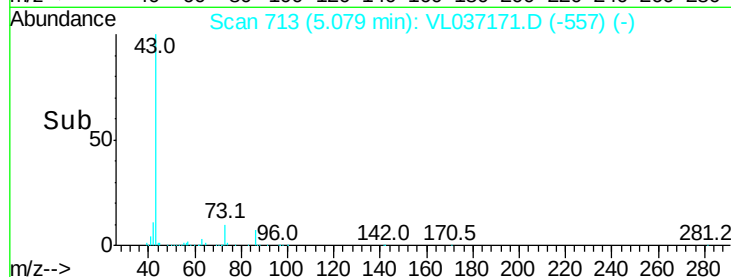


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.124 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

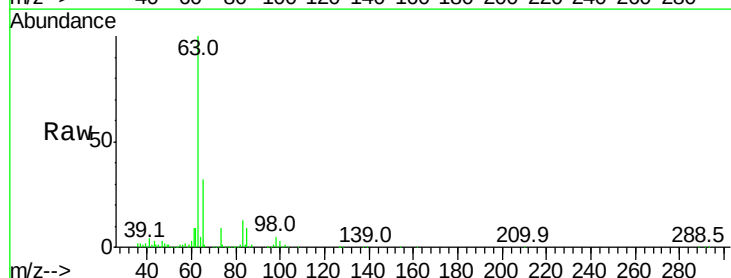
Tgt Ion: 63 Resp: 1846437

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

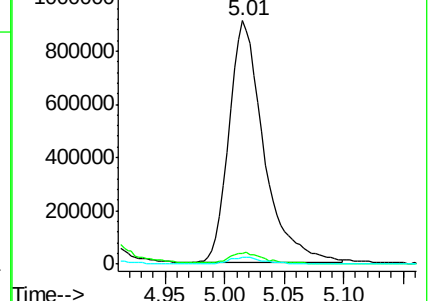
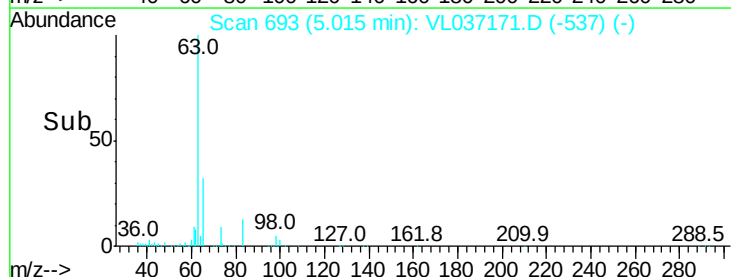
100 2.7 1.4 4.0

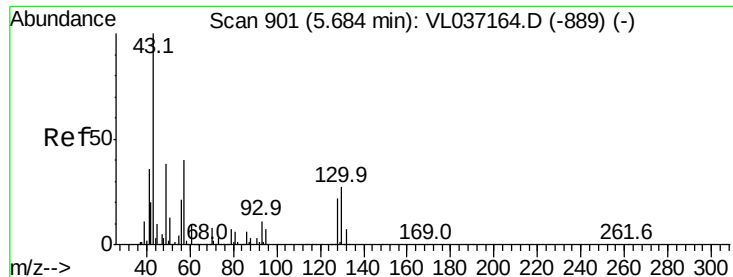


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.255 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

Tgt Ion: 43 Resp: 3511994

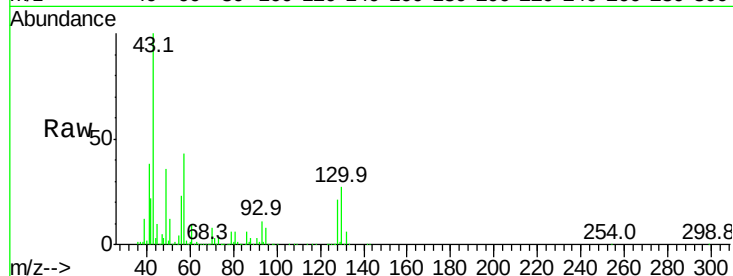
Ion Ratio Lower Upper

43 100

45 9.7 8.0 12.0

61 9.7 8.1 12.1

70 6.7 5.5 8.3

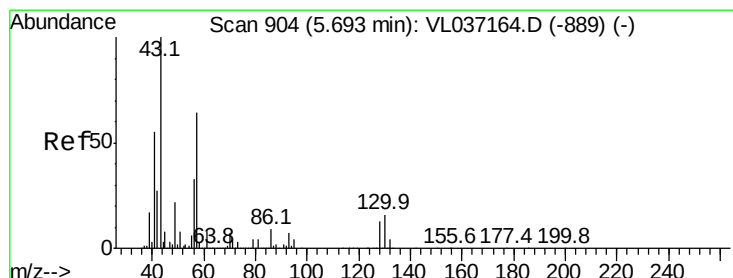
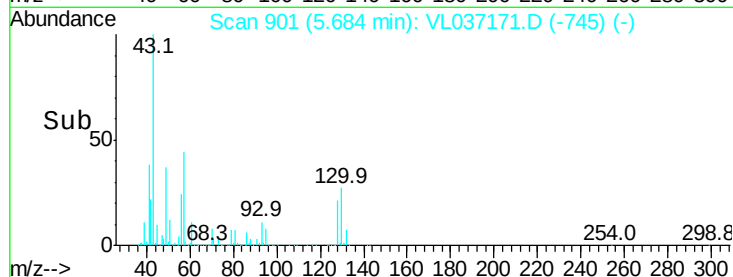
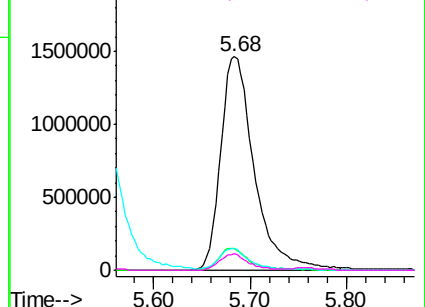


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.704 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Tgt Ion: 57 Resp: 1669334

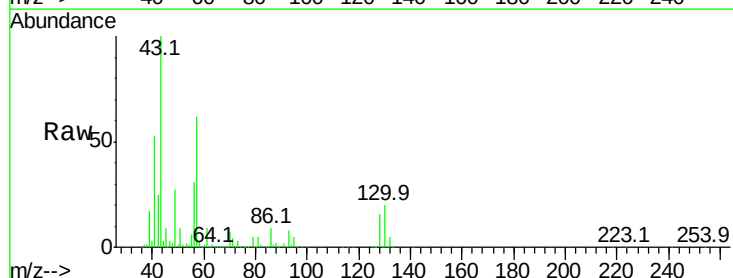
Ion Ratio Lower Upper

57 100

41 92.6 73.5 110.3

43 213.4 170.7 256.1

56 53.3 42.4 63.6

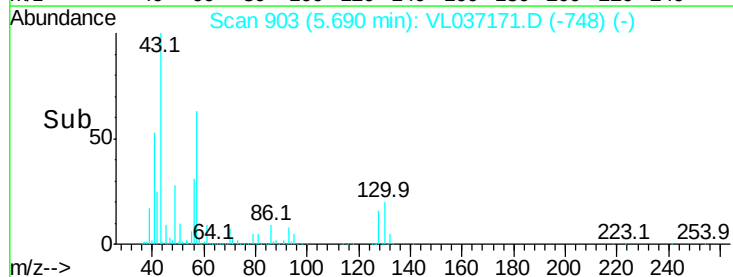
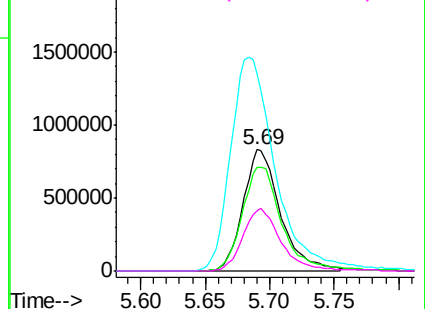


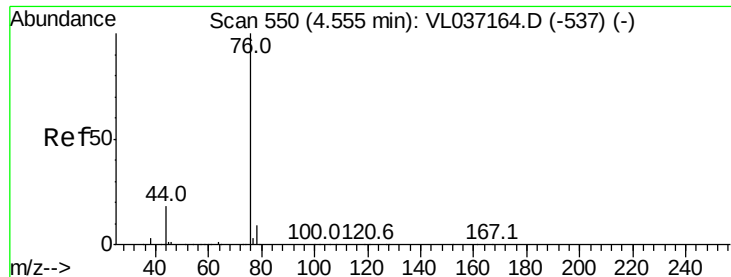
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.486 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

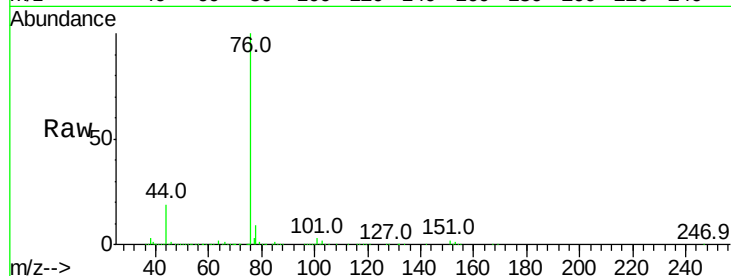
Tgt Ion: 76 Resp: 1970422

Ion Ratio Lower Upper

76 100

44 19.4 15.4 23.2

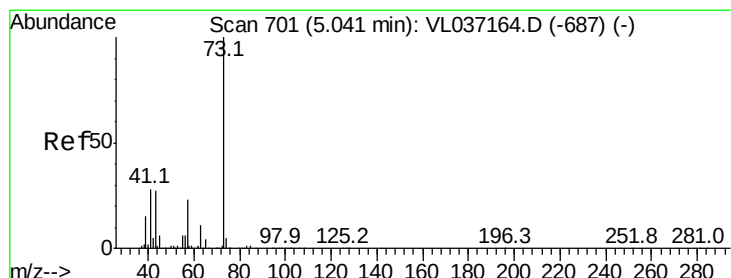
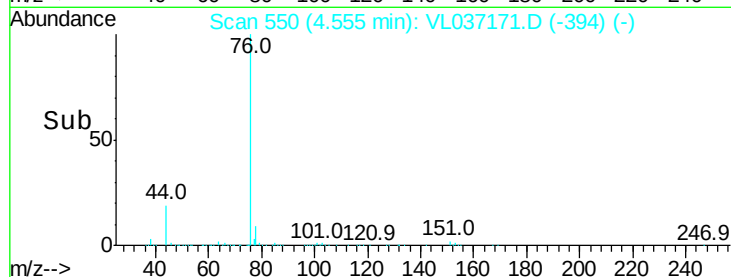
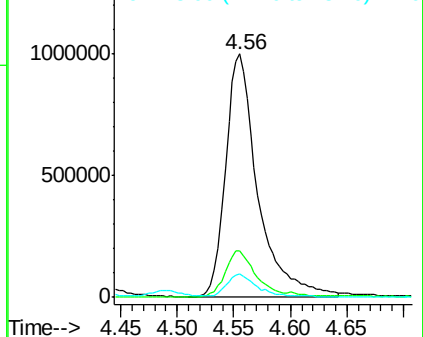
78 9.9 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.145 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL037171.D

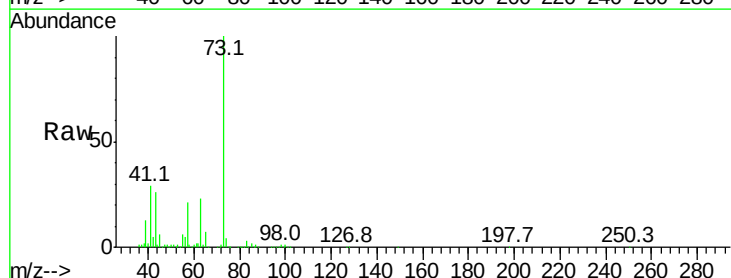
Acq: 16 Jun 2021 14:27

Tgt Ion: 73 Resp: 2108580

Ion Ratio Lower Upper

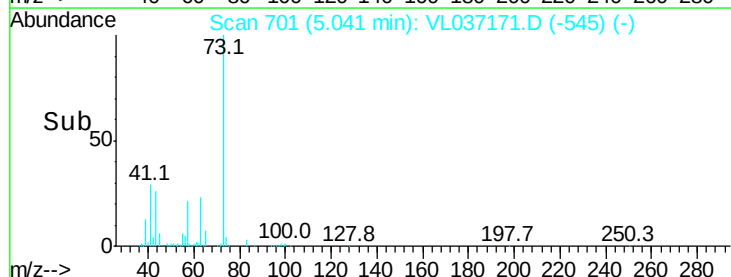
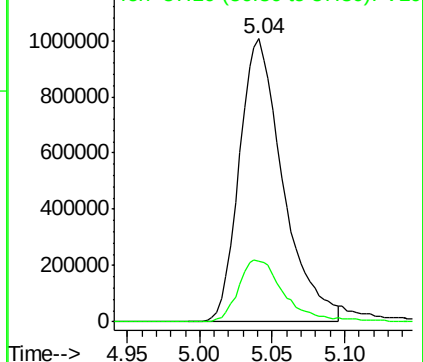
73 100

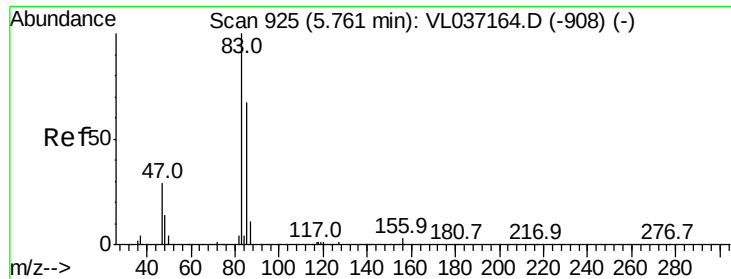
57 23.2 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

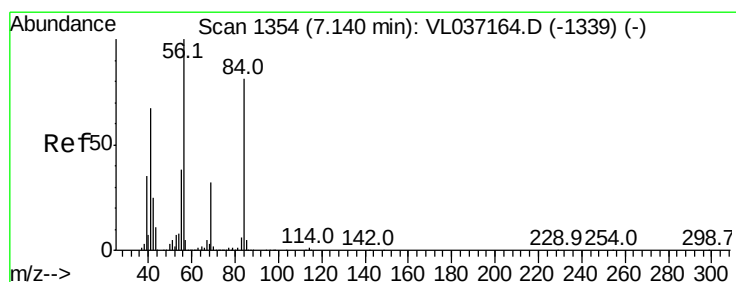
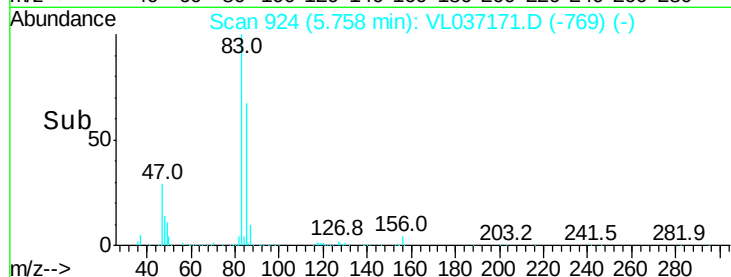
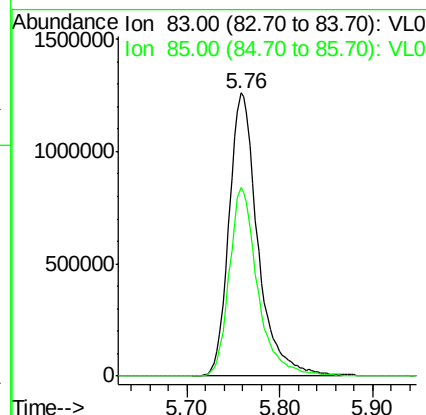
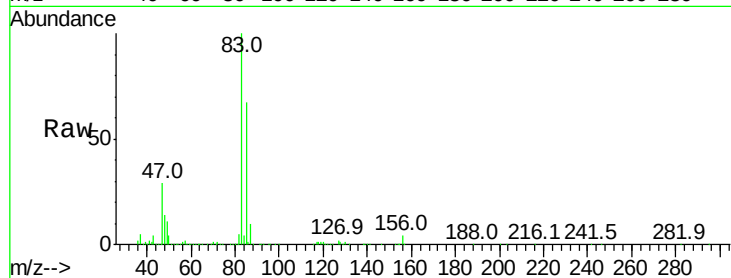




#29
Chloroform
Concen: 9.182 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

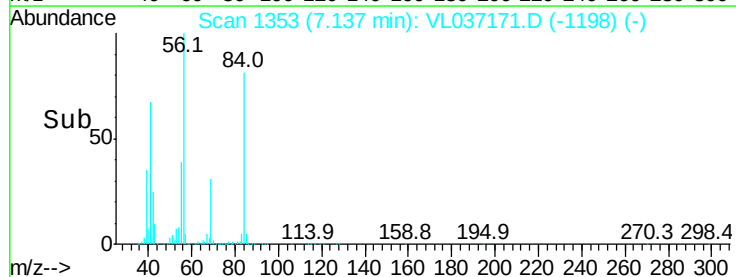
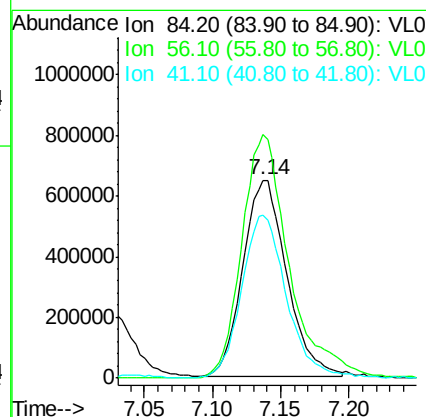
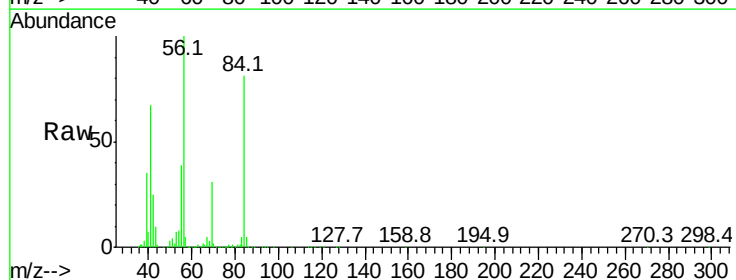
Instrument :
MSVOA_L
ClientSampleId :
ICVVL061621

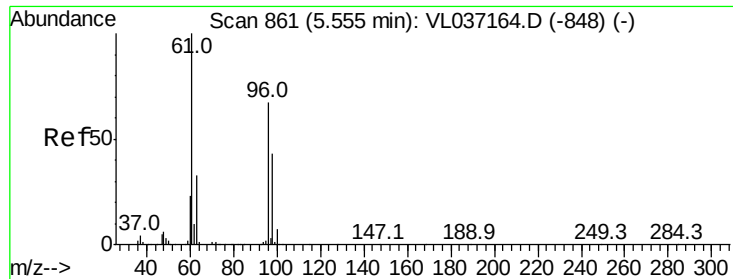
Tgt Ion: 83 Resp: 2720293
Ion Ratio Lower Upper
83 100
85 66.6 53.6 80.4



#30
Cyclohexane
Concen: 9.084 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Tgt Ion: 84 Resp: 1451686
Ion Ratio Lower Upper
84 100
56 134.5 107.7 161.5
41 85.1 69.0 103.6



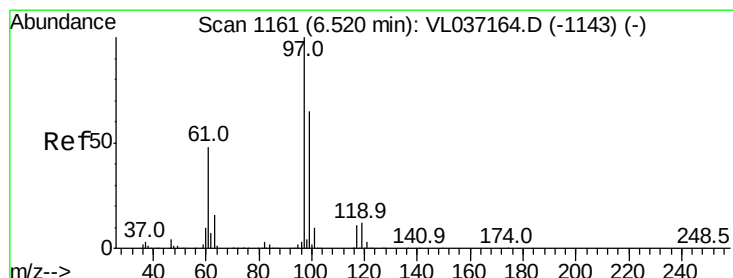
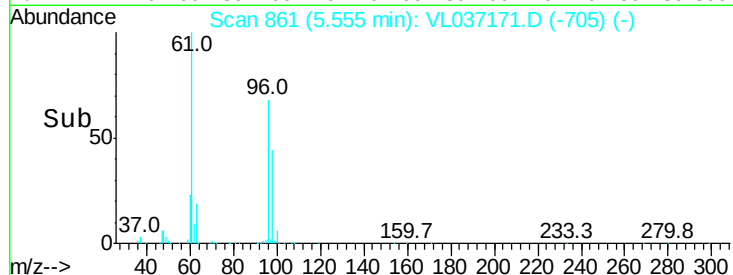
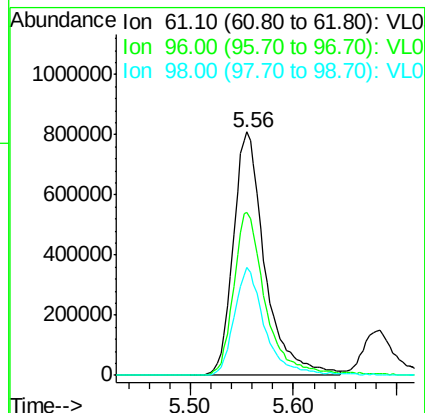
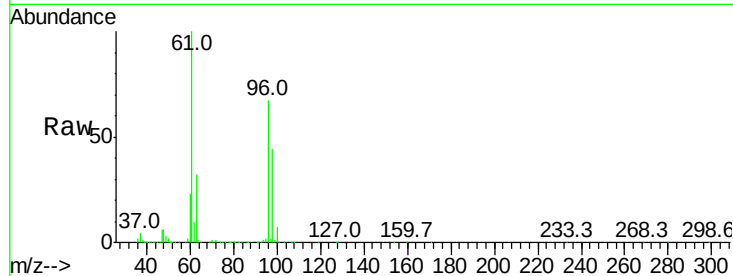


#31

cis-1,2-Dichloroethene
Concen: 9.807 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061621

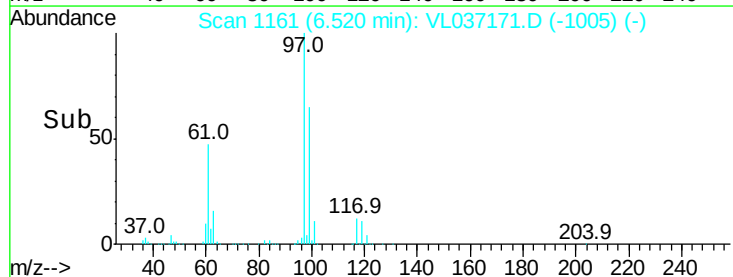
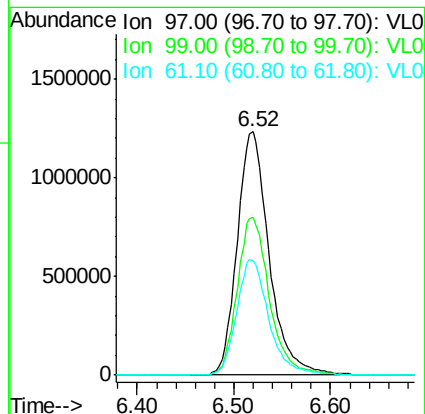
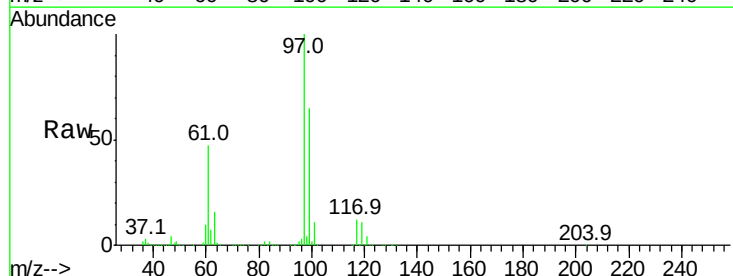
Tgt Ion: 61 Resp: 1728450
Ion Ratio Lower Upper
61 100
96 67.0 53.6 80.4
98 44.3 34.7 52.1

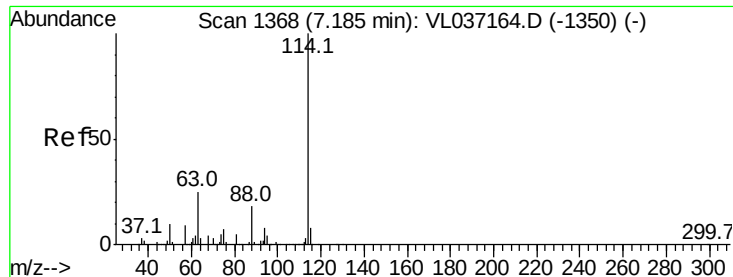


#32

1,1,1-Trichloroethane
Concen: 8.911 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Tgt Ion: 97 Resp: 2825005
Ion Ratio Lower Upper
97 100
99 65.8 52.2 78.4
61 47.8 38.8 58.2

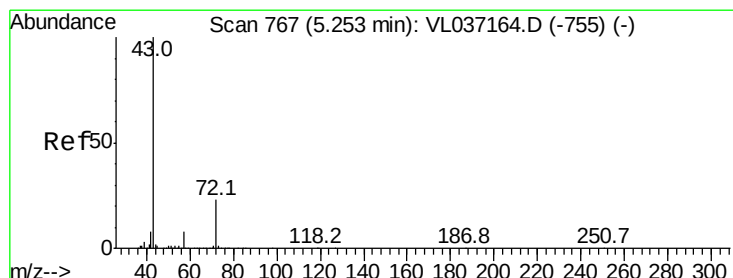
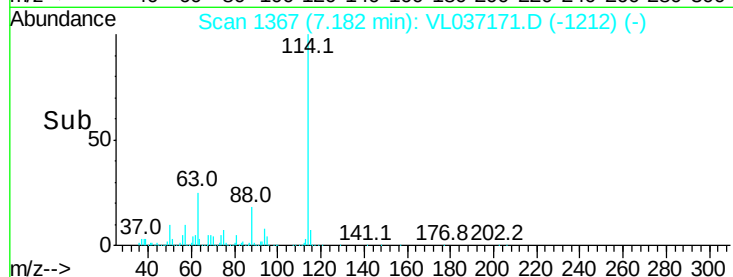
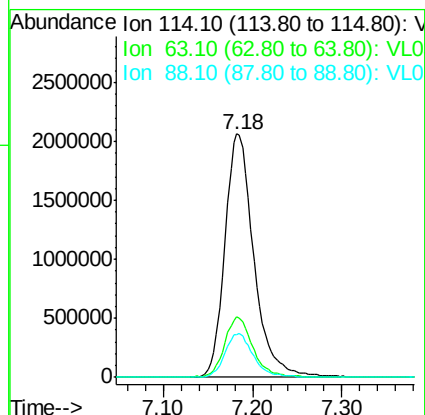
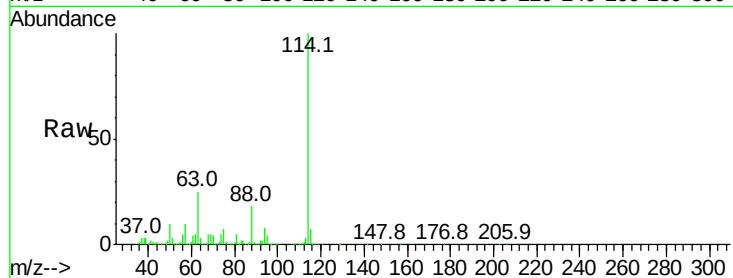




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

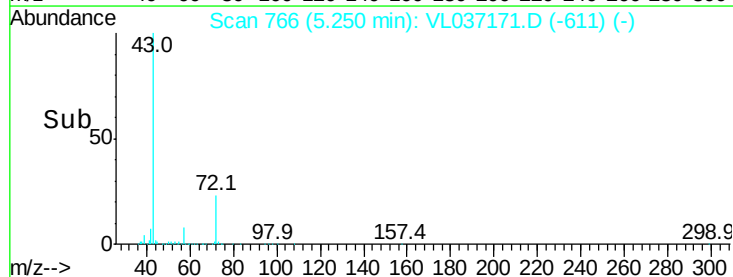
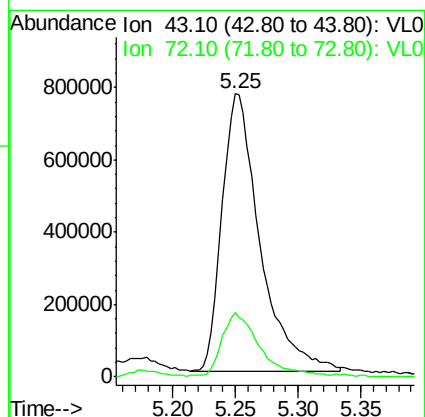
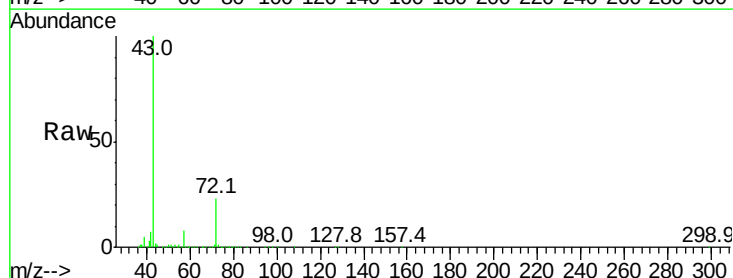
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061621

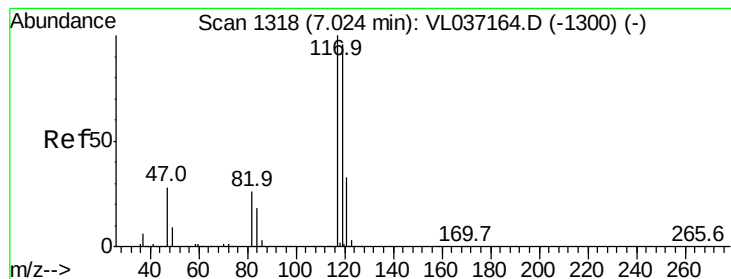
Tgt Ion:114 Resp: 4639615
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.7 14.2 21.2



#34
 2-Butanone
 Concen: 8.975 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

Tgt Ion: 43 Resp: 1619439
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.9 28.3





#35

Carbon Tetrachloride

Concen: 9.673 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

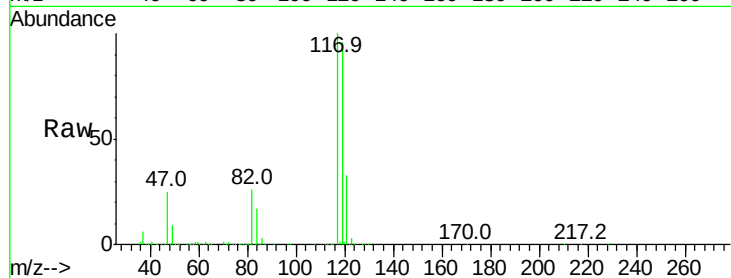
Tgt Ion:117 Resp: 3010191

Ion Ratio Lower Upper

117 100

119 95.9 76.6 114.8

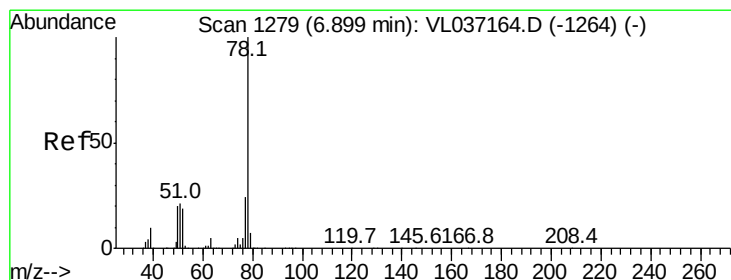
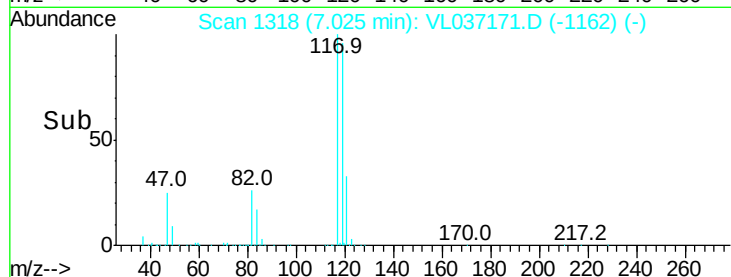
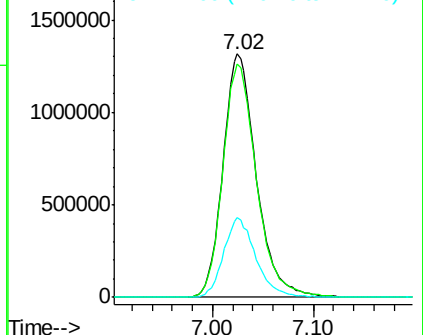
121 32.6 26.4 39.6



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: 9.264 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

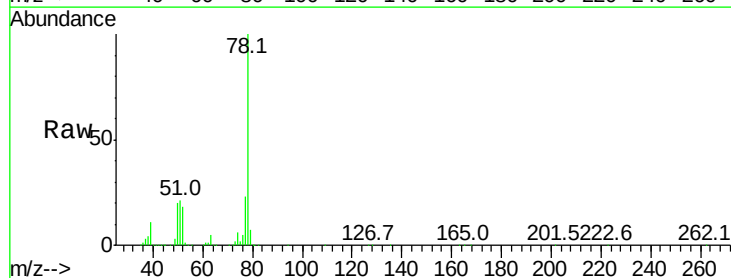
Tgt Ion: 78 Resp: 3475676

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.6

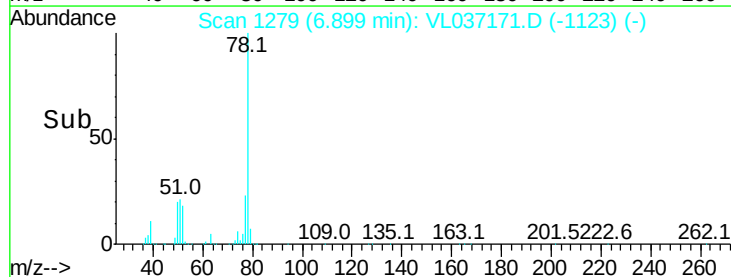
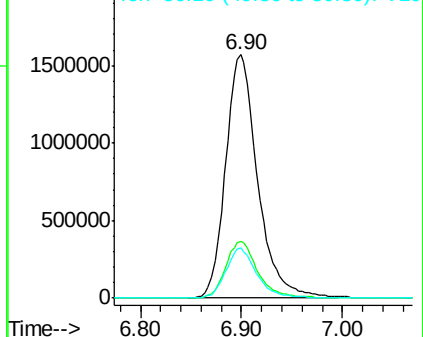
50 20.4 15.7 23.5

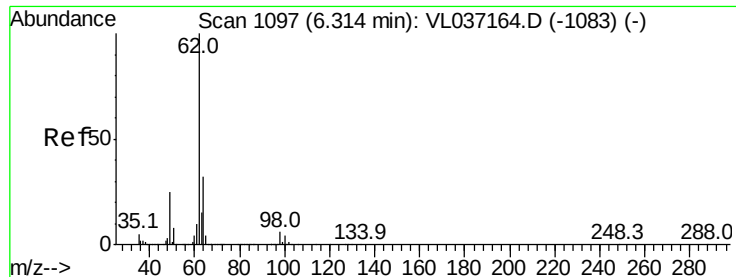


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

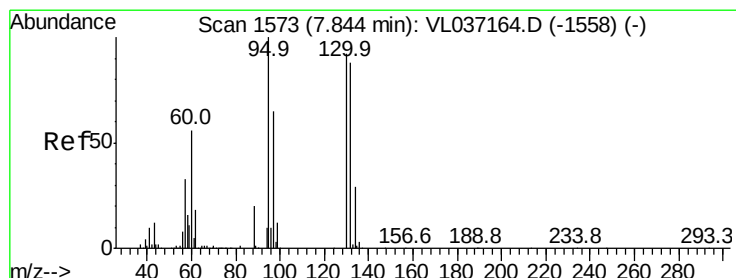
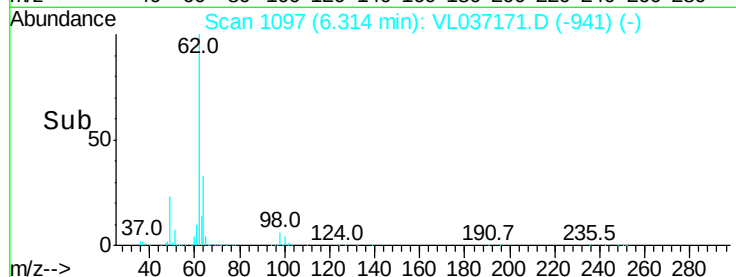
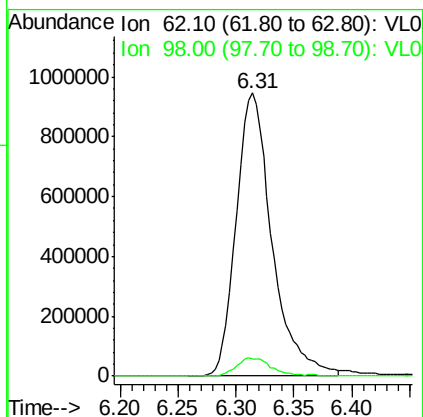
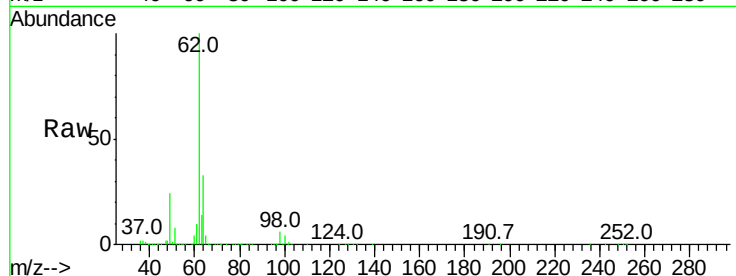




#37
 1,2-Dichloroethane
 Concen: 9.303 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

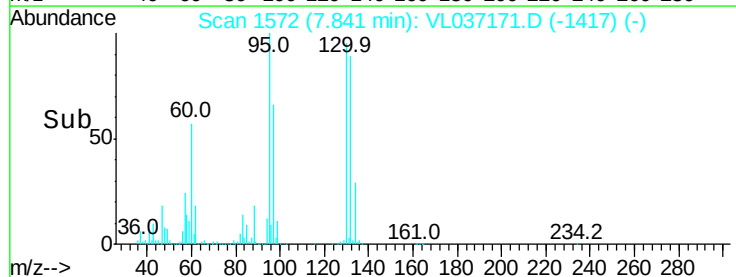
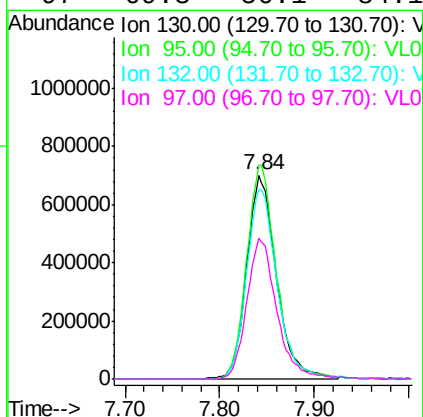
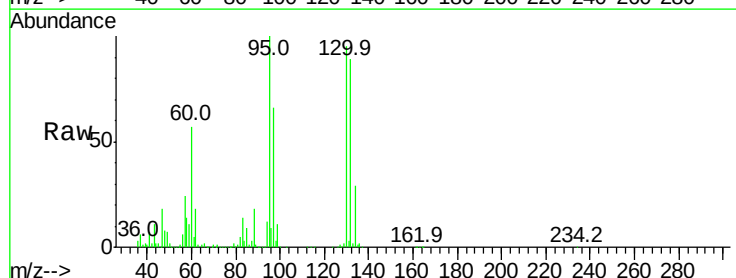
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061621

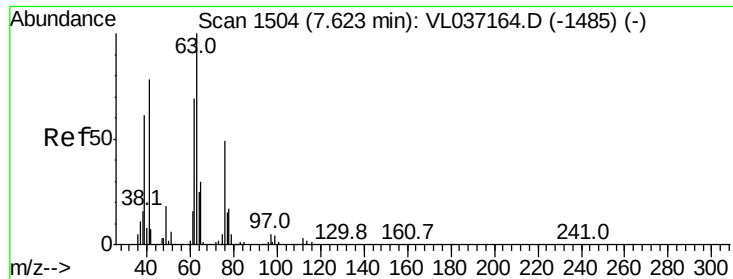
Tgt Ion: 62 Resp: 2027476
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.0 7.6



#38
 Trichloroethene
 Concen: 8.561 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

Tgt Ion: 130 Resp: 1526815
 Ion Ratio Lower Upper
 130 100
 95 104.8 86.6 129.8
 132 93.1 76.6 114.8
 97 69.3 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.564 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

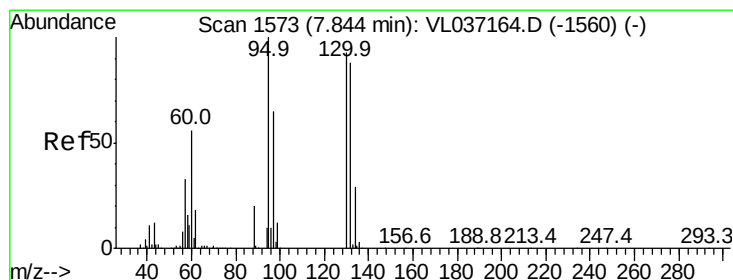
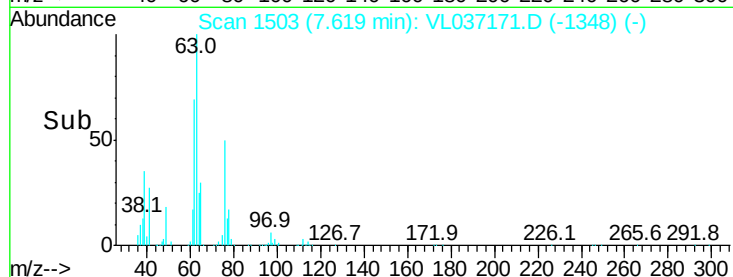
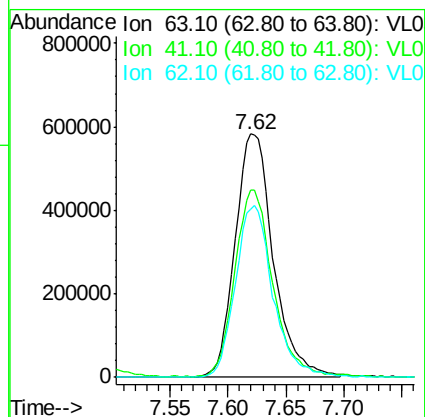
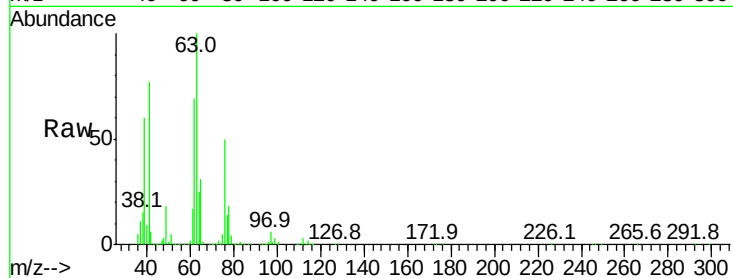
Tgt Ion: 63 Resp: 1333276

Ion Ratio Lower Upper

63 100

41 76.5 62.0 93.0

62 69.1 54.9 82.3



#40

1,4-Dioxane

Concen: 9.118 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Tgt Ion: 88 Resp: 348577

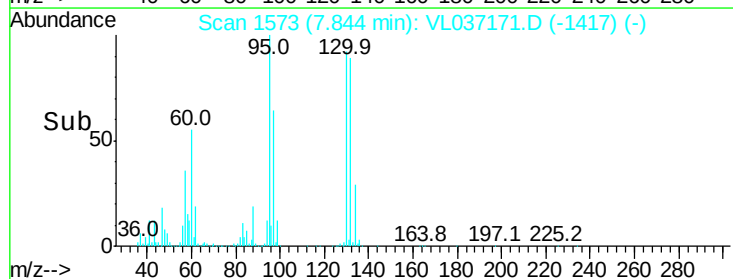
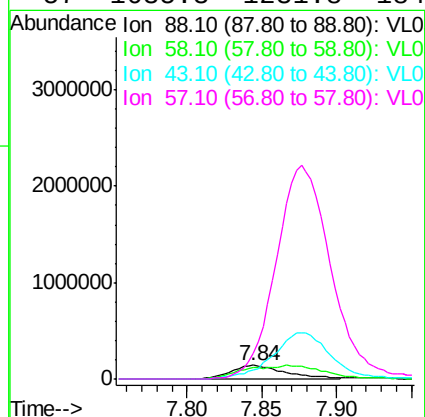
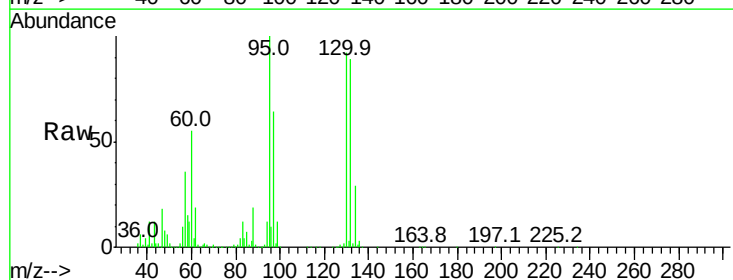
Ion Ratio Lower Upper

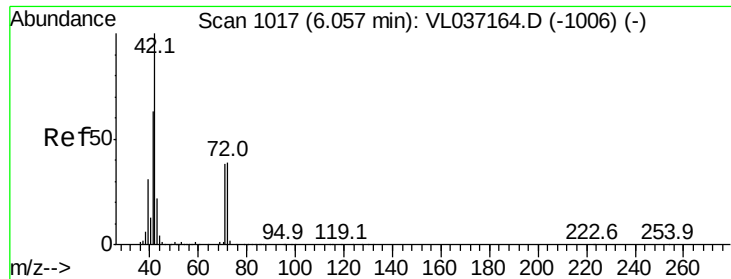
88 100

58 153.7 118.4 177.6

43 373.1 284.0 426.0

57 1635.3 1231.8 1847.6

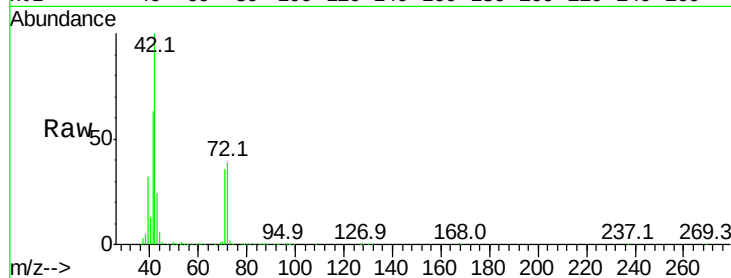




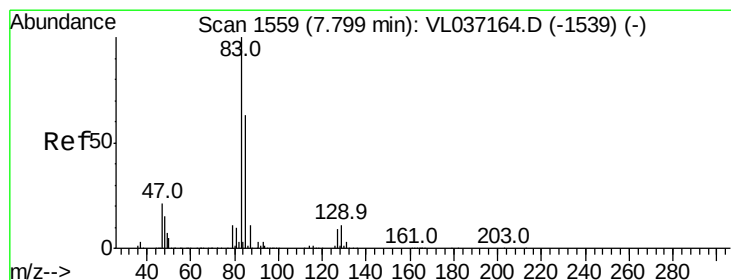
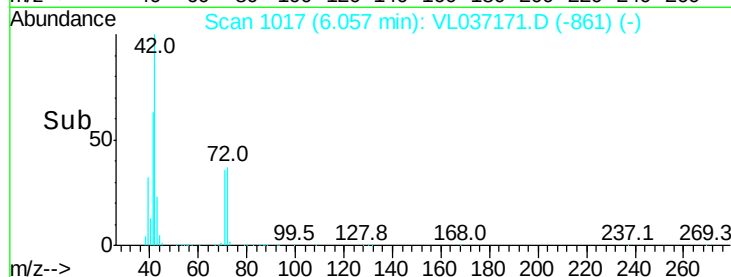
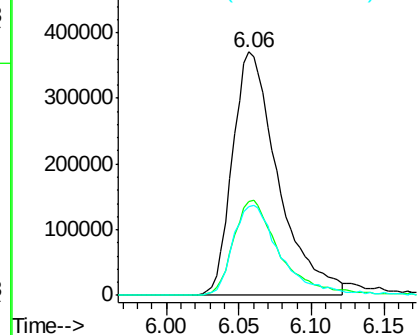
#41
Tetrahydrofuran
Concen: 9.638 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061621

Tgt Ion: 42 Resp: 807826
Ion Ratio Lower Upper
42 100
72 40.8 33.0 49.4
71 39.3 31.0 46.6

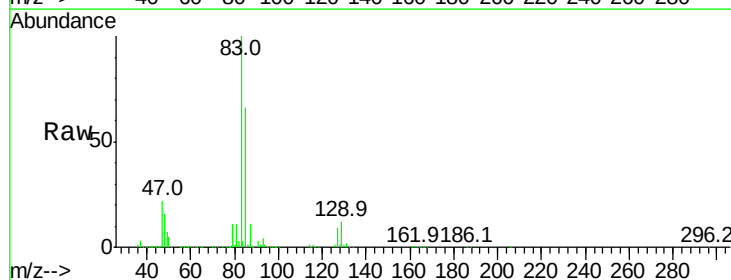


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

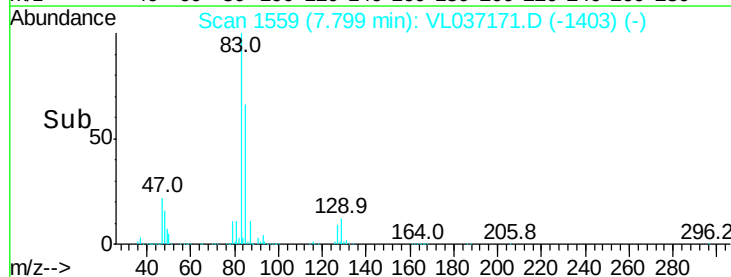
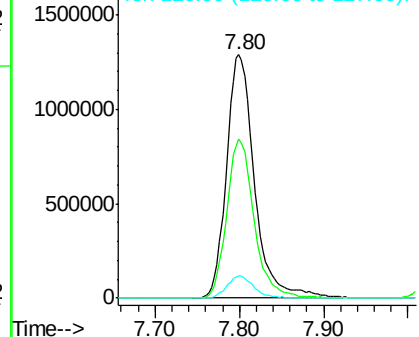


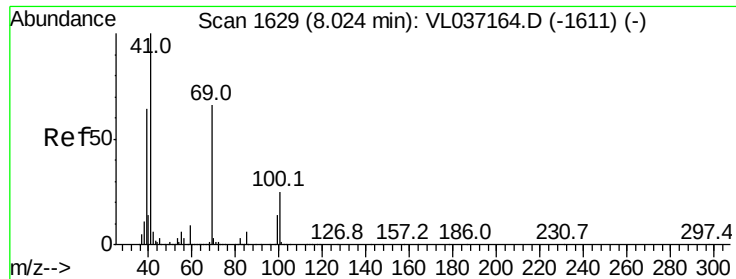
#42
Bromodichloromethane
Concen: 9.880 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Tgt Ion: 83 Resp: 2970524
Ion Ratio Lower Upper
83 100
85 65.5 50.8 76.2
127 9.0 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

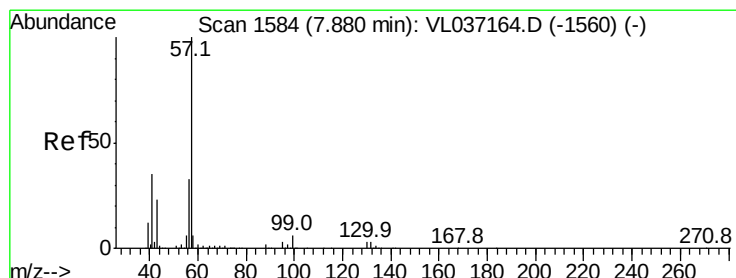
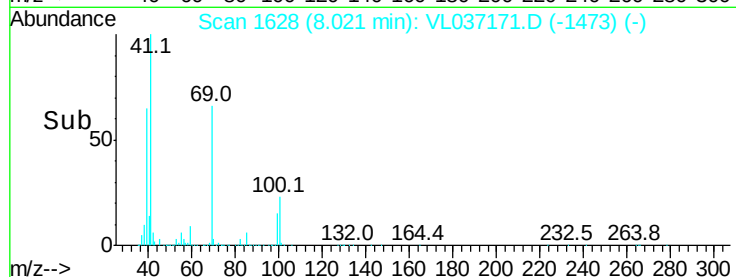
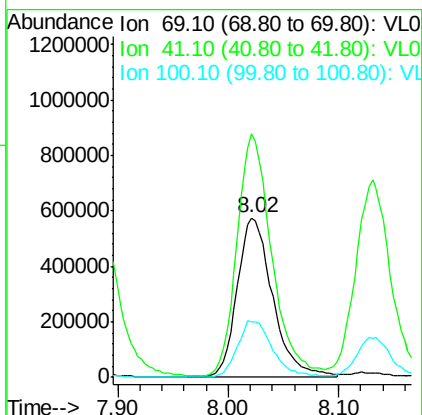
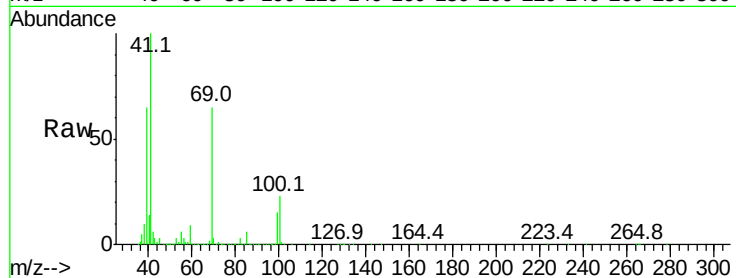




#43
Methyl Methacrylate
Concen: 9.908 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

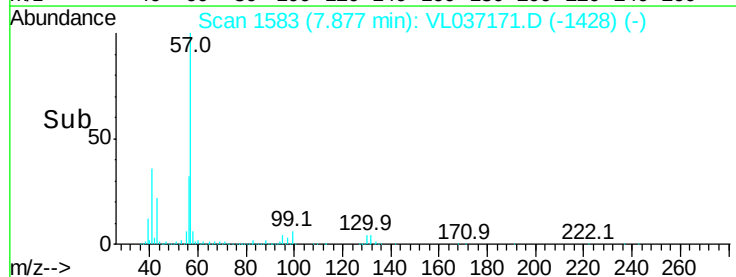
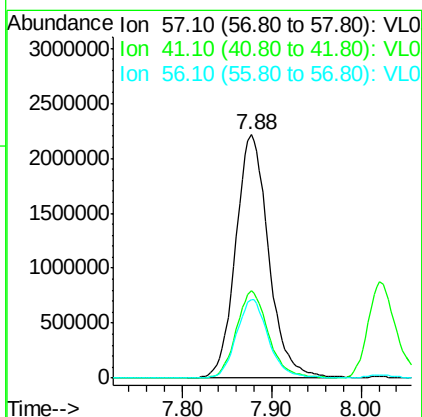
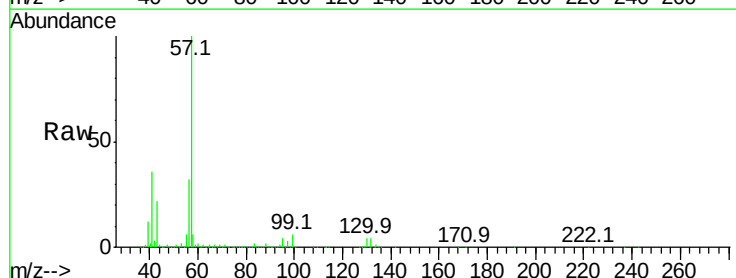
Instrument :
MSVOA_L
ClientSampleId :
ICVVL061621

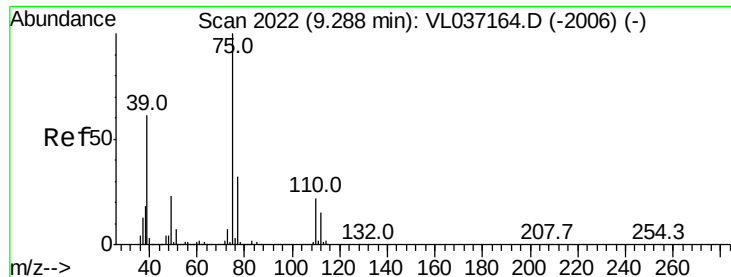
Tgt Ion: 69 Resp: 1283762
Ion Ratio Lower Upper
69 100
41 149.6 119.4 179.0
100 35.3 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 8.996 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Tgt Ion: 57 Resp: 5683527
Ion Ratio Lower Upper
57 100
41 34.7 27.6 41.4
56 31.4 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.423 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

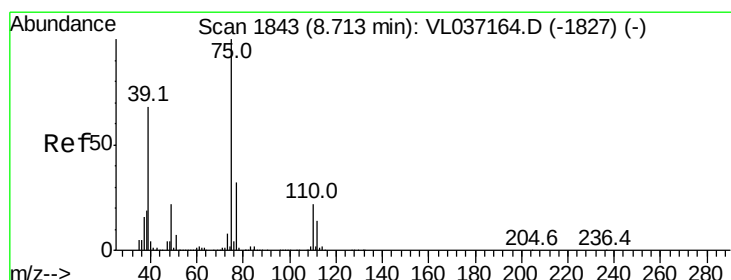
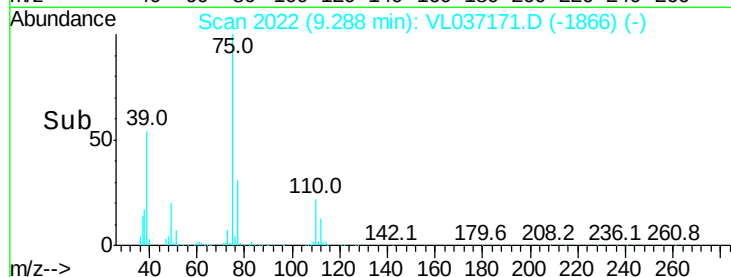
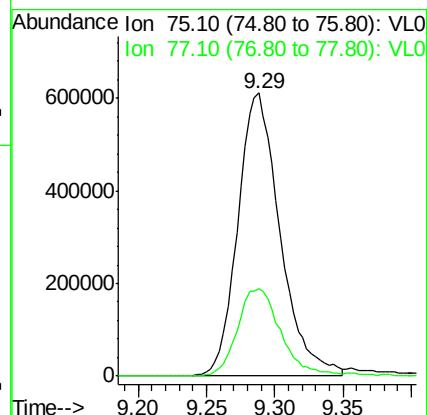
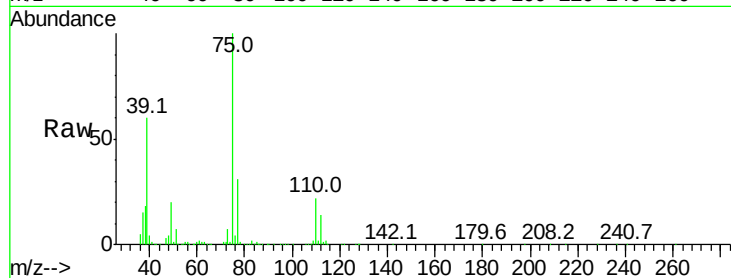
ICVVL061621

Tgt Ion: 75 Resp: 1305832

Ion Ratio Lower Upper

75 100

77 30.7 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 10.690 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

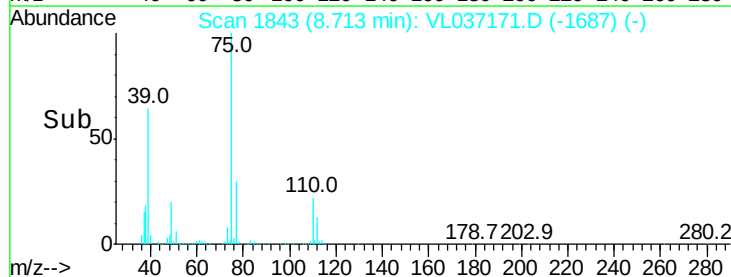
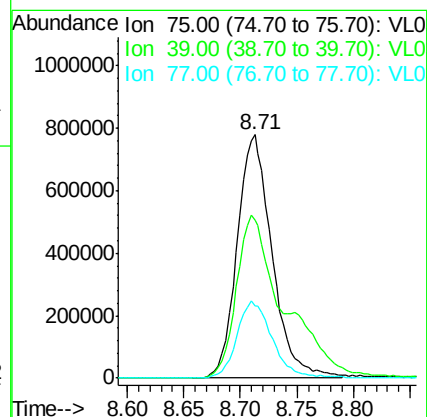
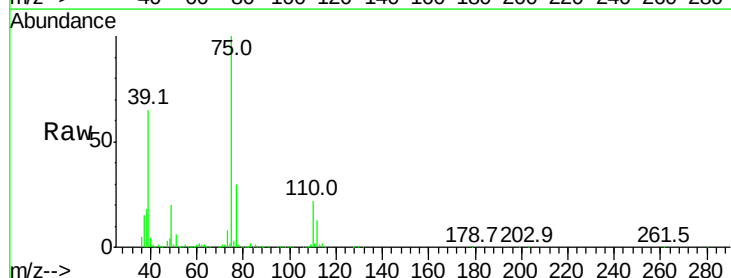
Tgt Ion: 75 Resp: 1671695

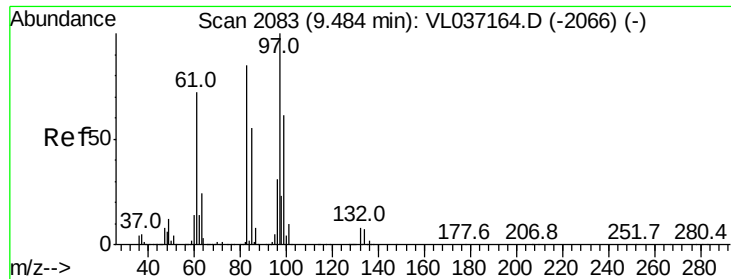
Ion Ratio Lower Upper

75 100

39 64.8 54.7 82.1

77 29.7 25.8 38.8

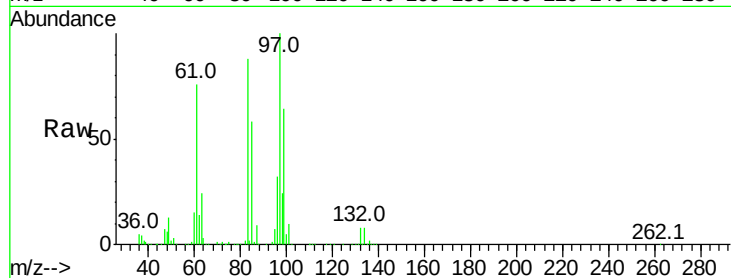




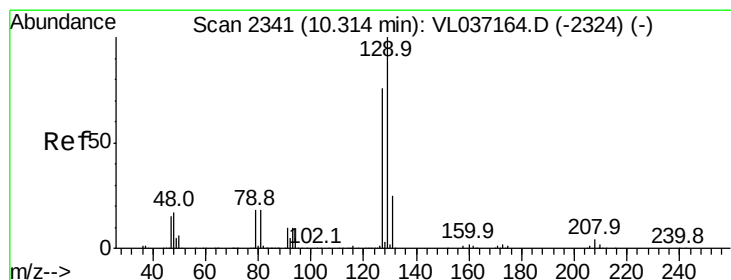
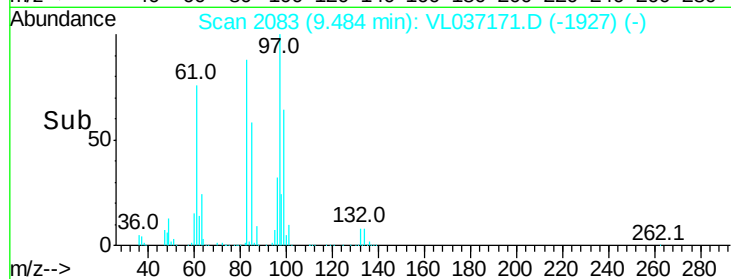
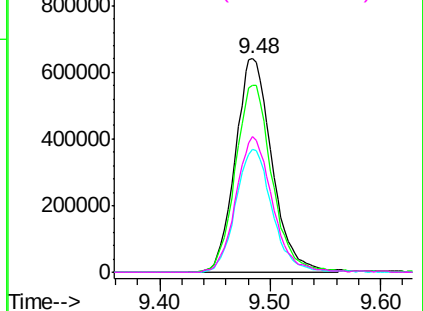
#47
 1,1,2-Trichloroethane
 Concen: 9.298 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061621

Tgt Ion: 97 Resp: 1478884
 Ion Ratio Lower Upper
 97 100
 83 87.6 68.3 102.5
 85 57.8 44.1 66.1
 99 63.5 48.6 72.8

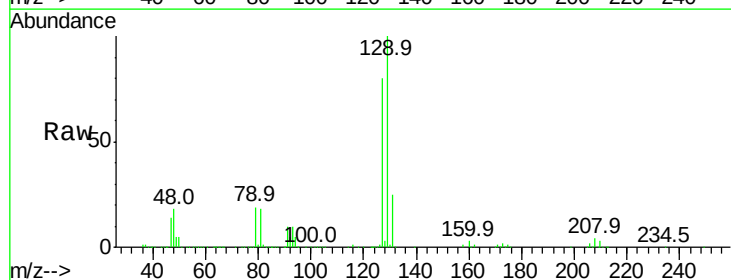


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

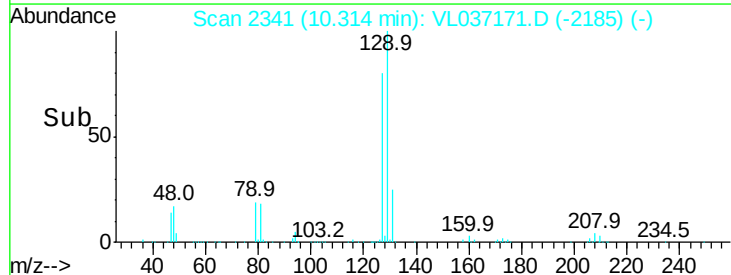
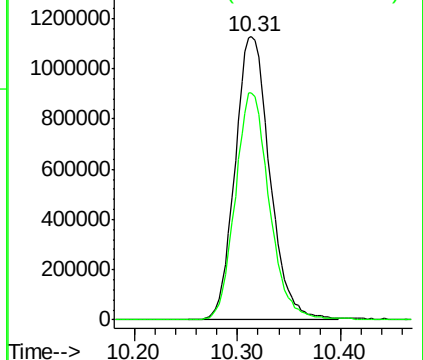


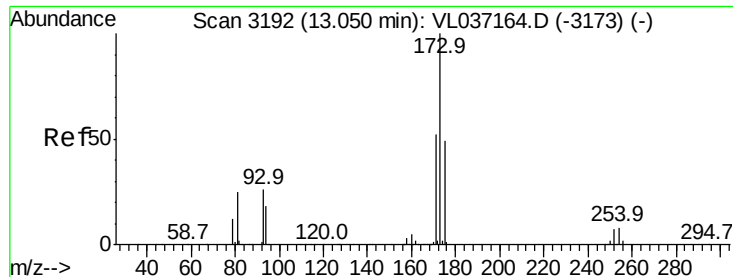
#48
 Dibromochloromethane
 Concen: 10.545 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

Tgt Ion: 129 Resp: 2647520
 Ion Ratio Lower Upper
 129 100
 127 79.4 39.1 117.2



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





#49

Bromoform

Concen: 11.580 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

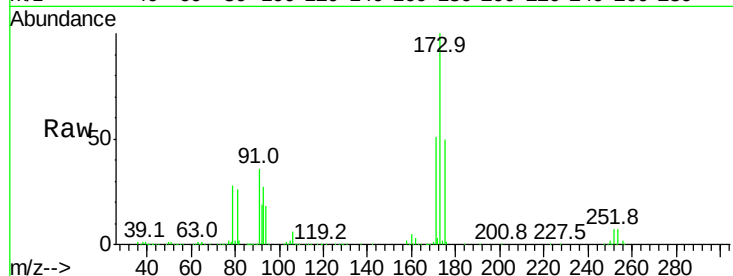
Tgt Ion:173 Resp: 2166165

Ion Ratio Lower Upper

173 100

175 50.1 40.2 60.4

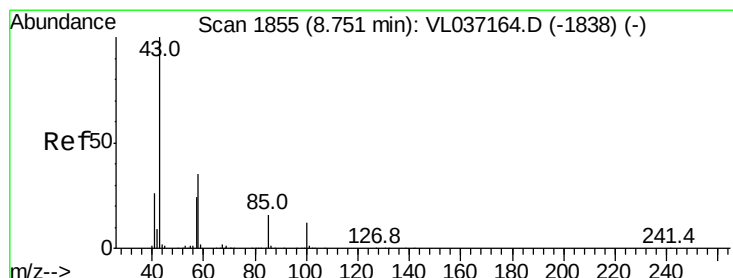
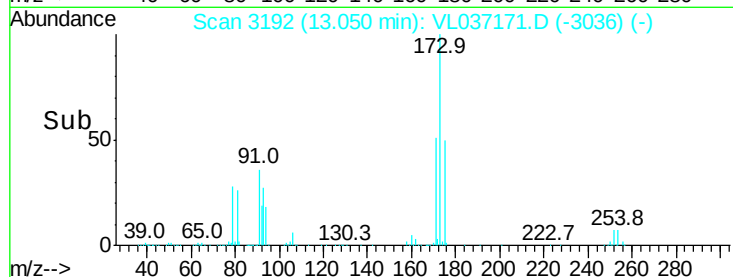
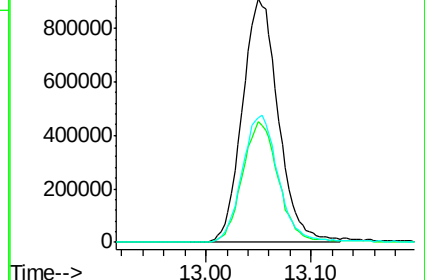
171 53.6 41.8 62.8



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: 9.592 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL037171.D

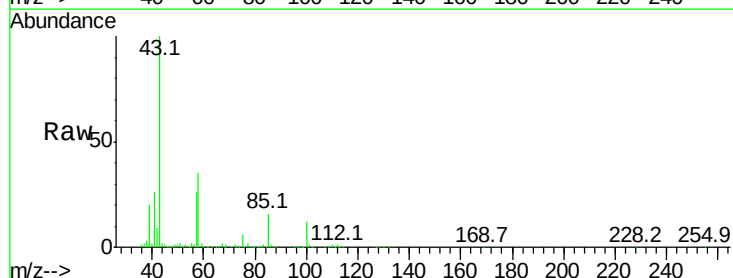
Acq: 16 Jun 2021 14:27

Tgt Ion: 43 Resp: 2377376

Ion Ratio Lower Upper

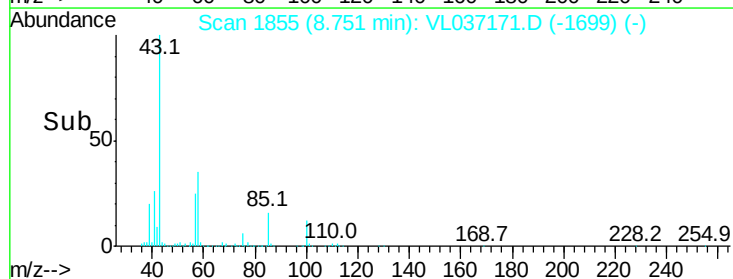
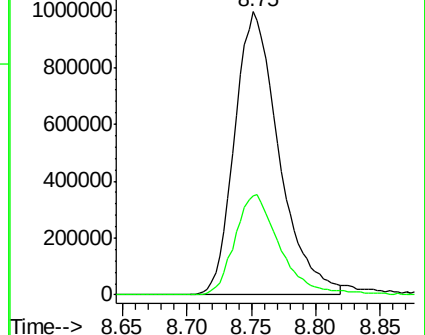
43 100

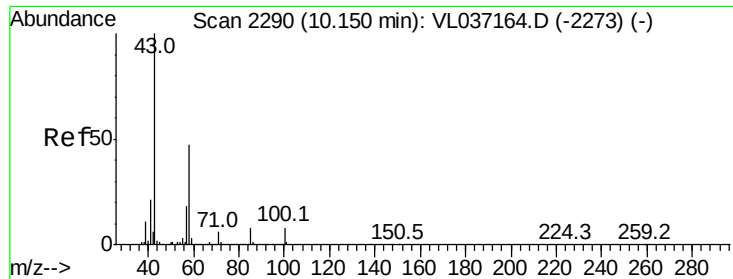
58 36.6 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

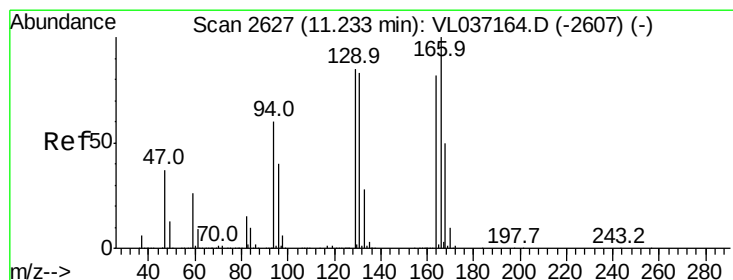
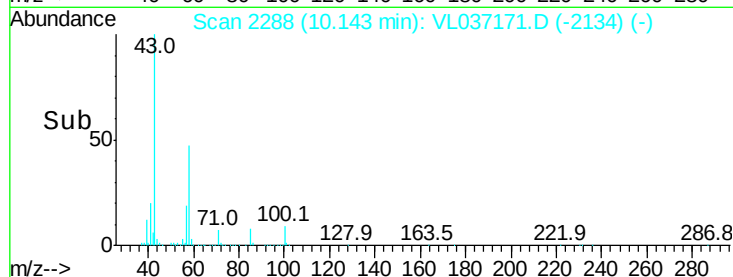
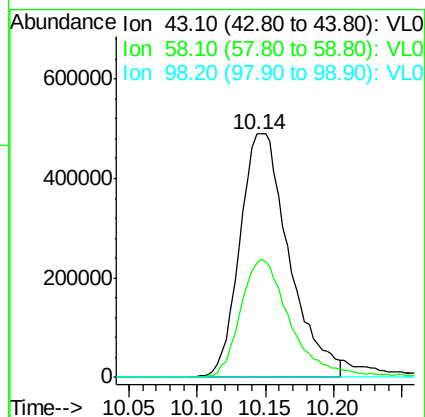
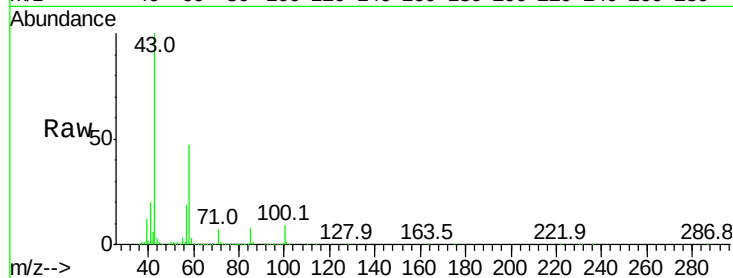




#51
2-Hexanone
Concen: 10.145 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

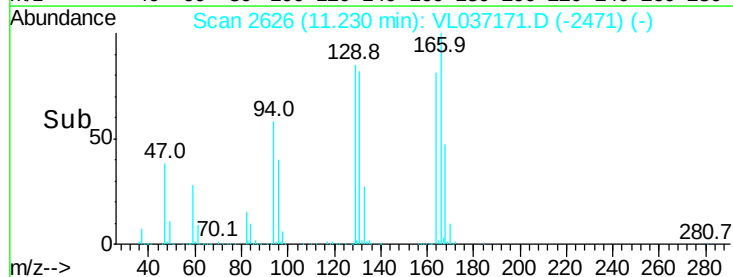
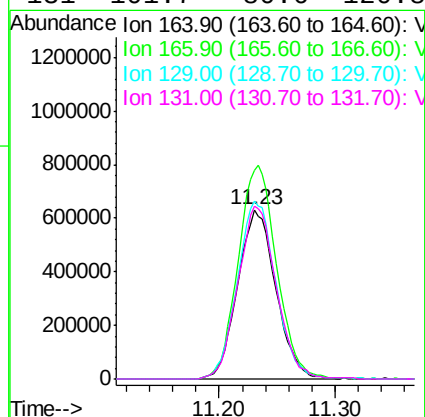
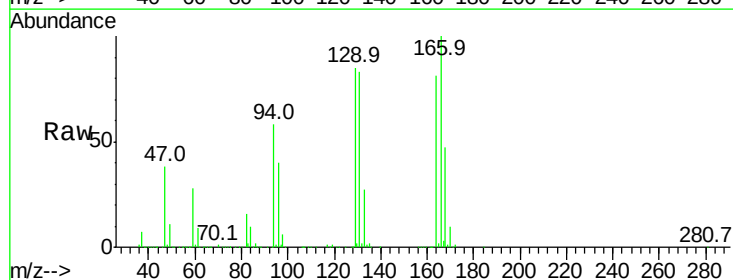
Instrument :
MSVOA_L
ClientSampleId :
ICVVL061621

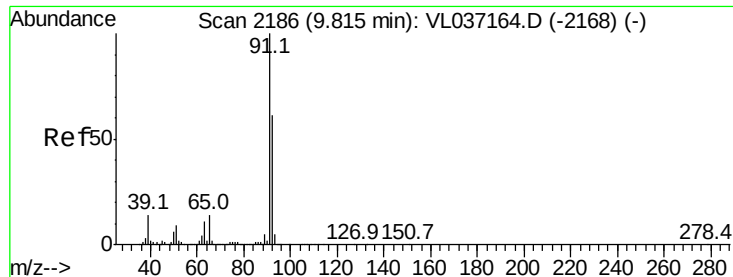
Tgt Ion: 43 Resp: 1223411
Ion Ratio Lower Upper
43 100
58 50.1 38.4 57.6
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 8.267 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Tgt Ion: 164 Resp: 1441162
Ion Ratio Lower Upper
164 100
166 123.4 97.6 146.4
129 105.2 82.9 124.3
131 101.7 80.6 120.8





#53

Toluene

Concen: 9.271 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

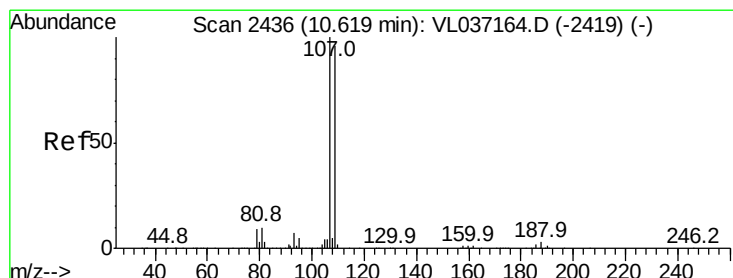
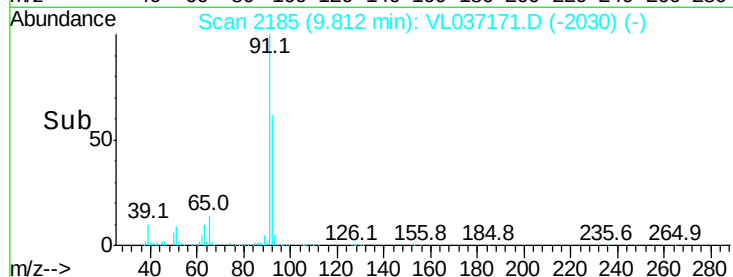
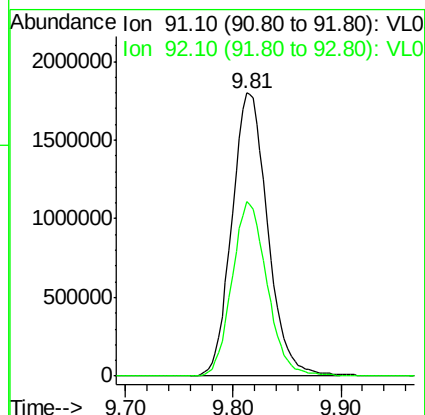
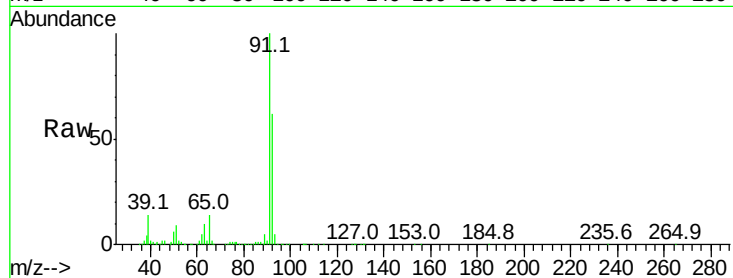
ICVVL061621

Tgt Ion: 91 Resp: 4154779

Ion Ratio Lower Upper

91 100

92 60.8 48.3 72.5



#54

1,2-Dibromoethane

Concen: 9.699 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL037171.D

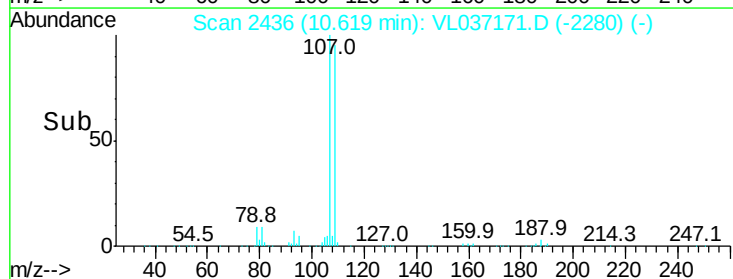
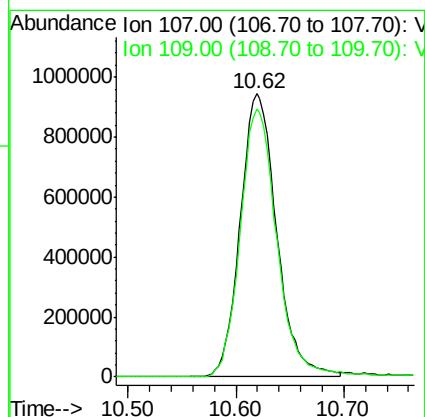
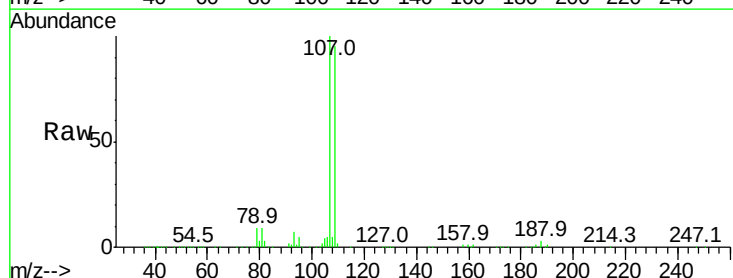
Acq: 16 Jun 2021 14:27

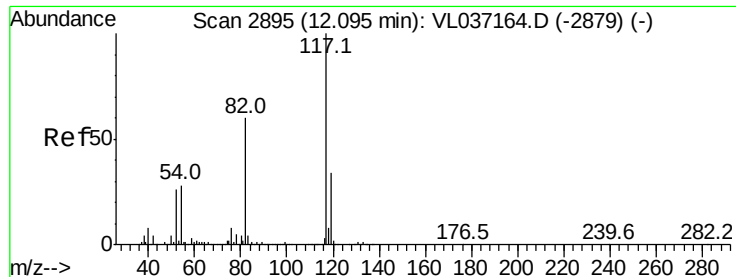
Tgt Ion: 107 Resp: 2216933

Ion Ratio Lower Upper

107 100

109 94.7 77.0 115.6

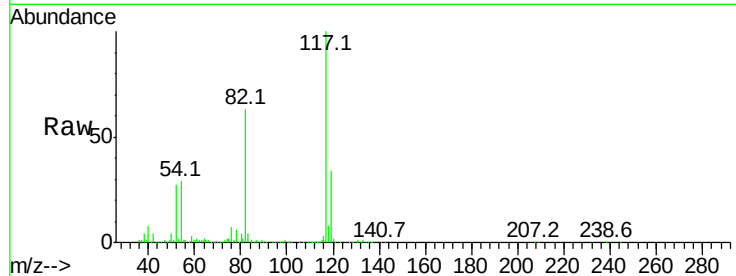




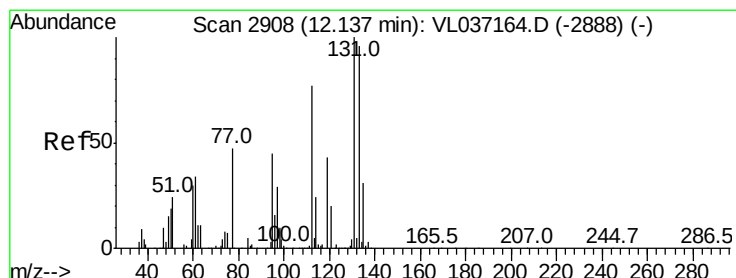
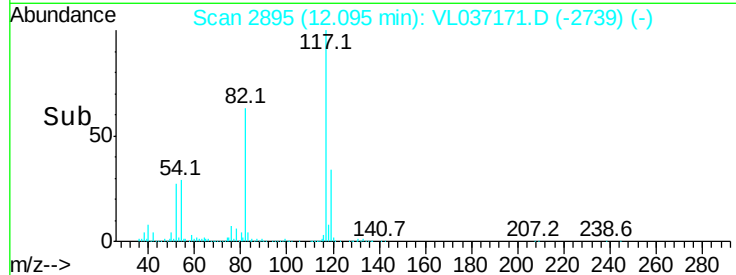
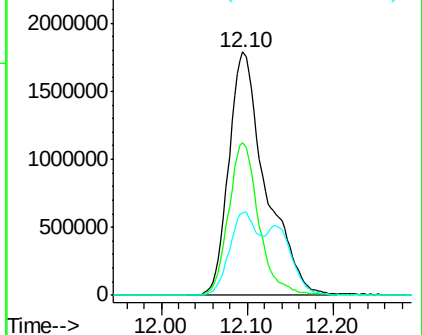
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061621

Tgt Ion:117 Resp: 5328574
Ion Ratio Lower Upper
117 100
82 51.3 51.7 77.5#
119 28.0 47.6 71.4#

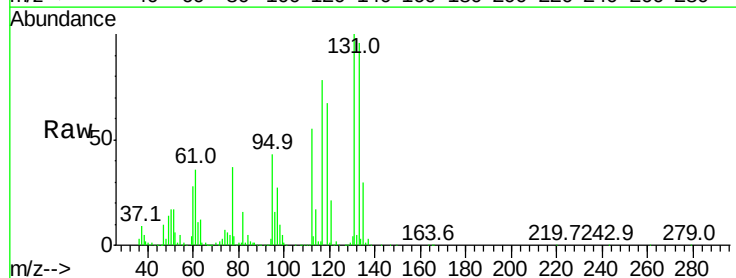


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

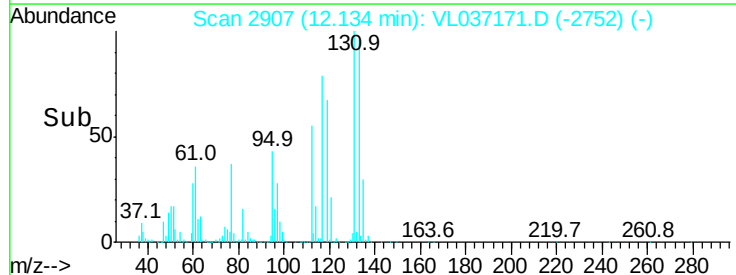
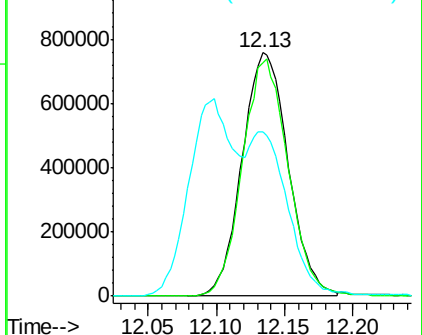


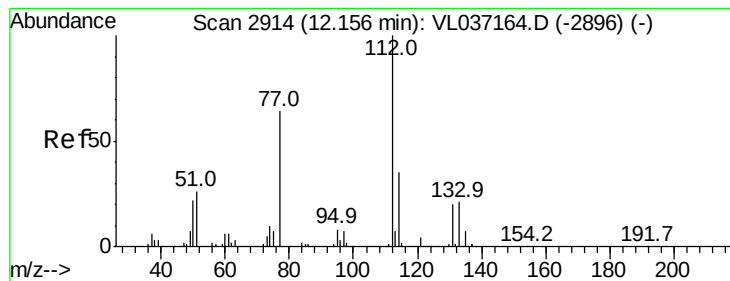
#56
1,1,1,2-Tetrachloroethane
Concen: 7.634 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL037171.D
Acq: 16 Jun 2021 14:27

Tgt Ion:131 Resp: 1778533
Ion Ratio Lower Upper
131 100
133 96.7 76.5 114.7
119 56.7 48.6 72.8



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: 7.371 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

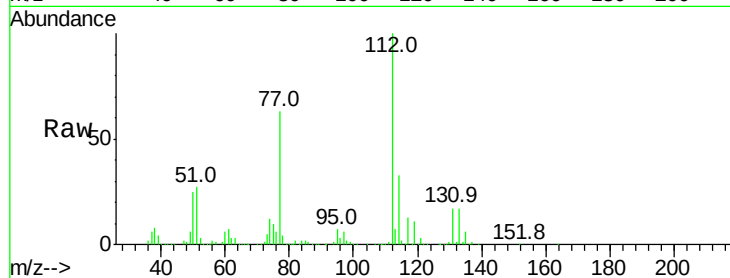
Tgt Ion:112 Resp: 3185429

Ion Ratio Lower Upper

112 100

77 62.0 52.2 78.4

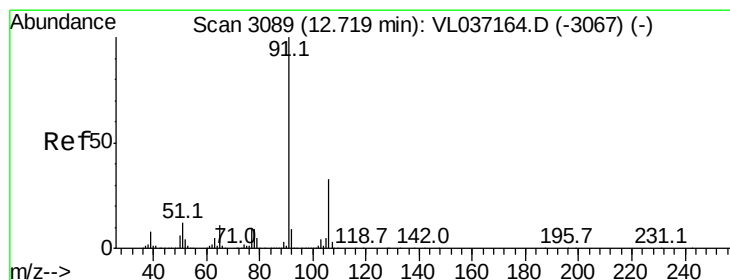
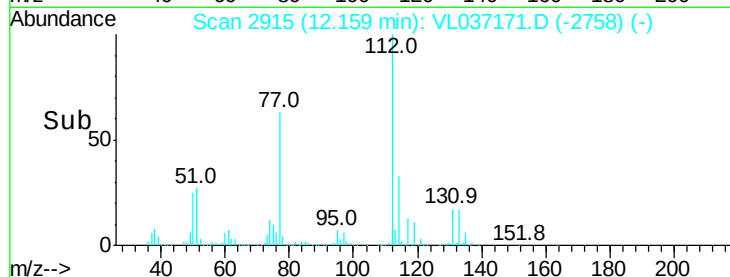
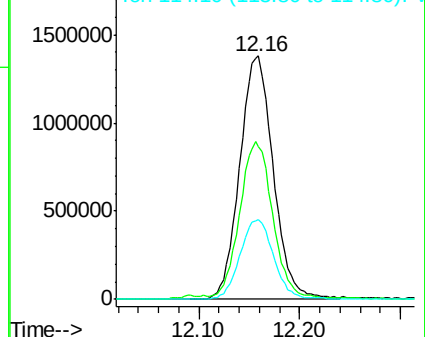
114 32.9 31.1 38.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.511 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.00 min

Lab File: VL037171.D

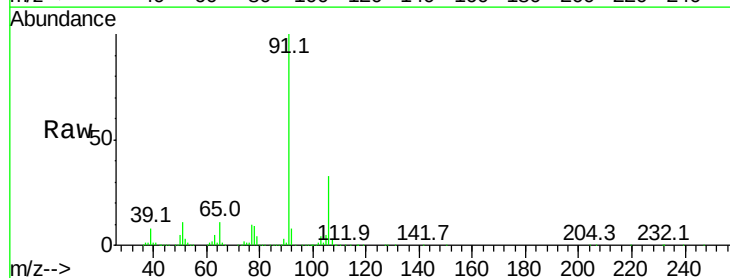
Acq: 16 Jun 2021 14:27

Tgt Ion: 91 Resp: 5509370

Ion Ratio Lower Upper

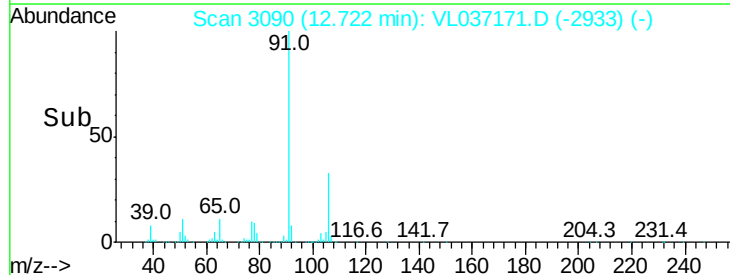
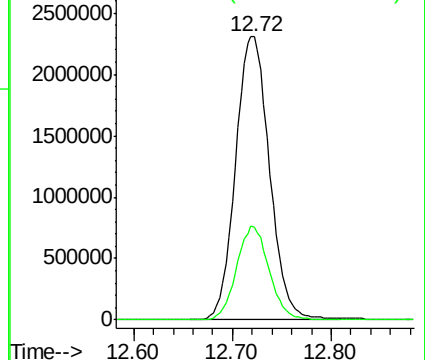
91 100

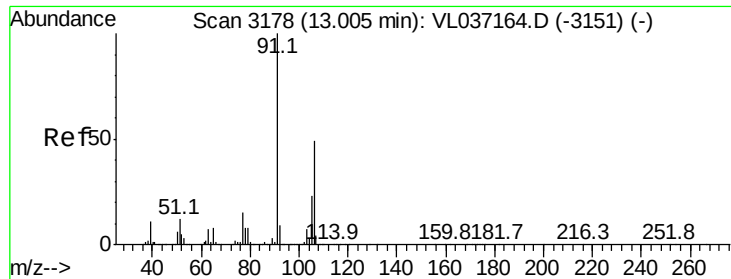
106 32.8 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.728 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

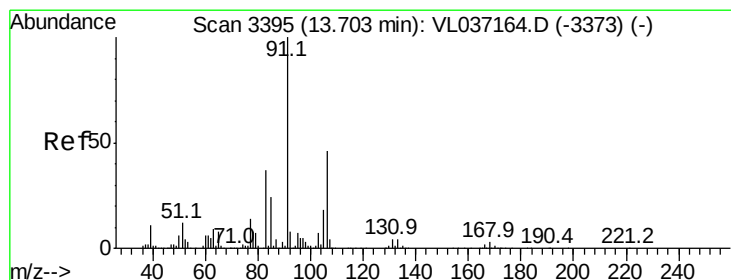
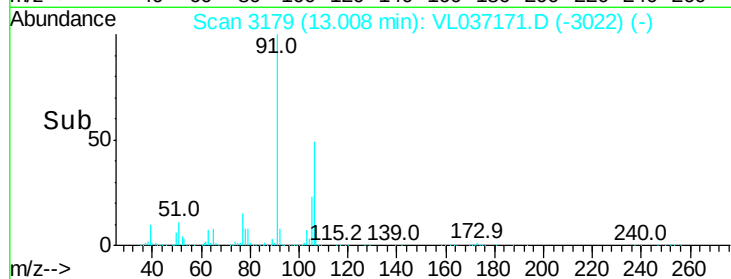
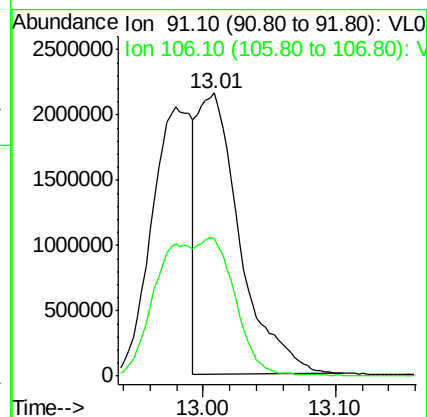
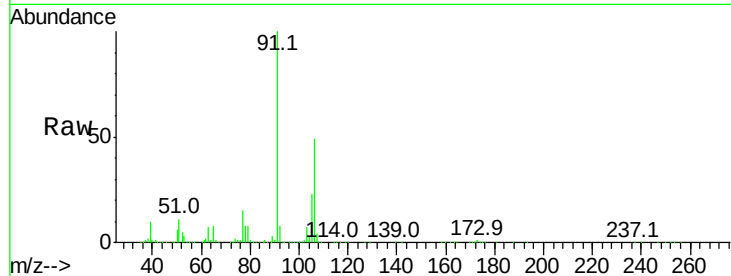
ICVVL061621

Tgt Ion: 91 Resp: 4804050

Ion Ratio Lower Upper

91 100

106 89.0 37.0 55.4#



#60

o-Xylene

Concen: 7.449 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VL037171.D

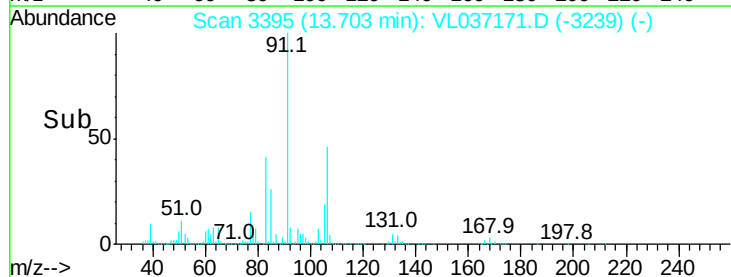
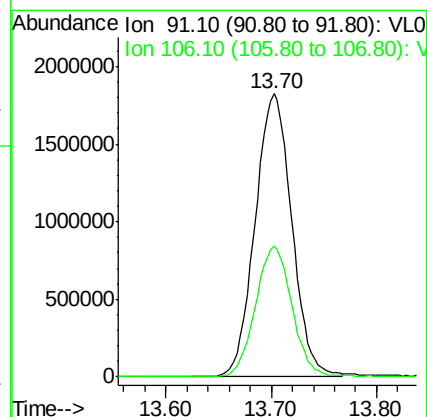
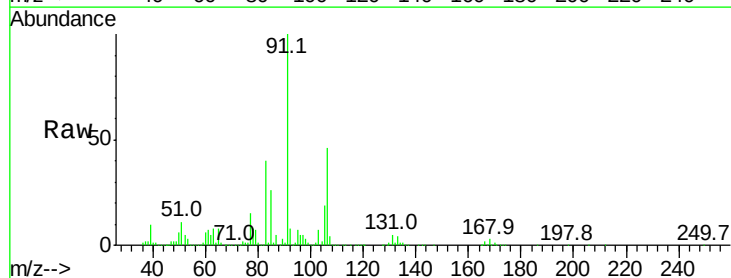
Acq: 16 Jun 2021 14:27

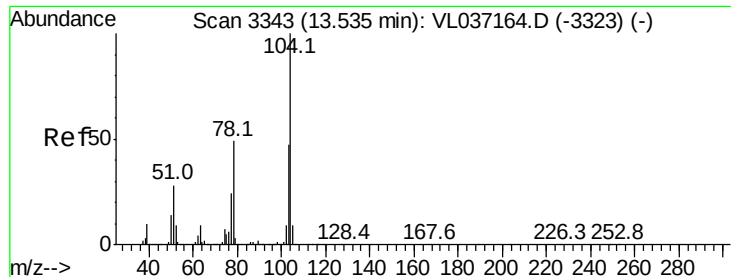
Tgt Ion: 91 Resp: 4409502

Ion Ratio Lower Upper

91 100

106 46.3 23.0 69.0





#61

Styrene

Concen: 8.333 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

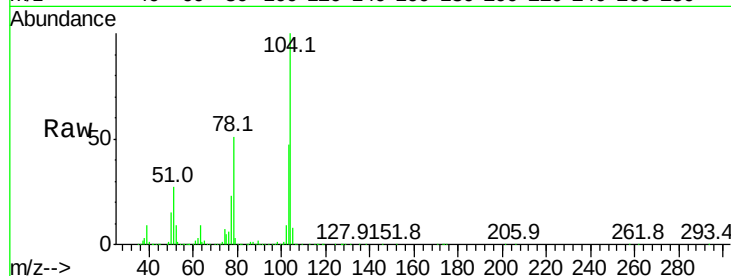
Tgt Ion:104 Resp: 2545575

Ion Ratio Lower Upper

104 100

78 51.3 39.7 59.5

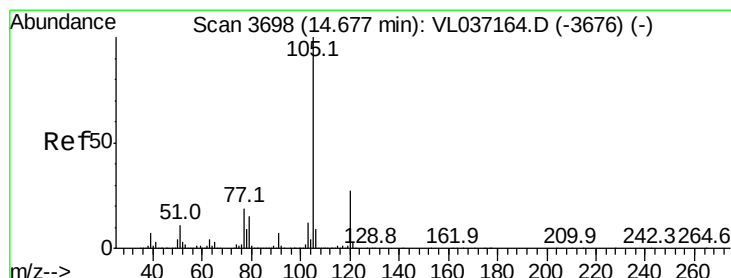
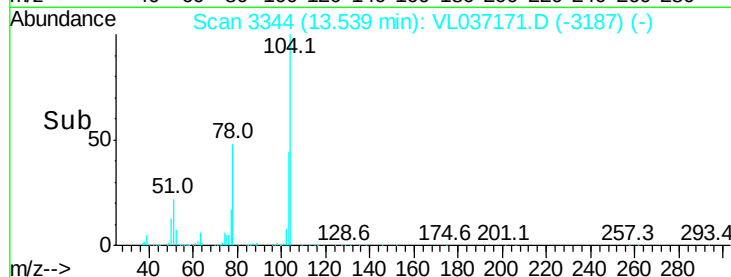
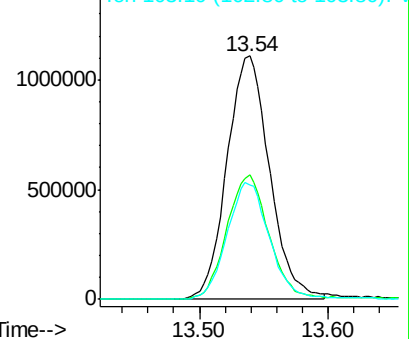
103 48.5 37.6 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.332 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL037171.D

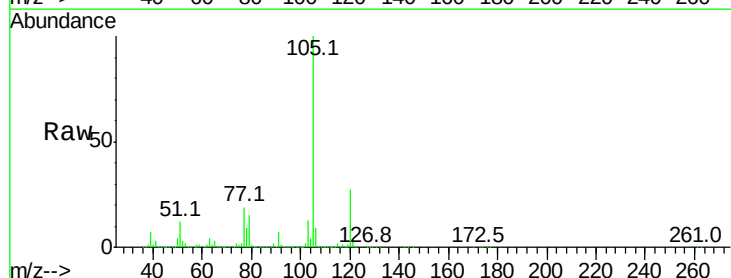
Acq: 16 Jun 2021 14:27

Tgt Ion:105 Resp: 6171181

Ion Ratio Lower Upper

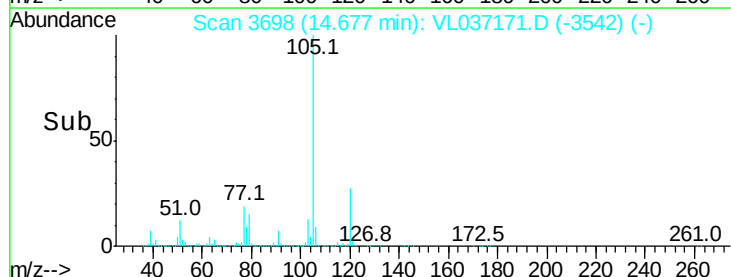
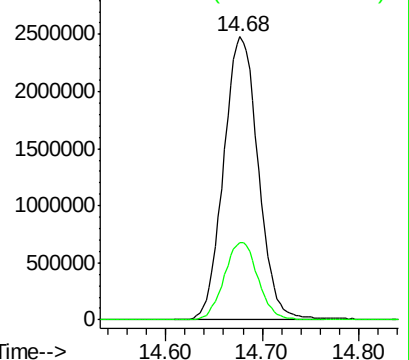
105 100

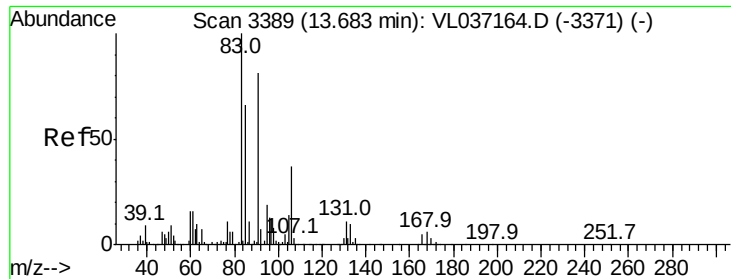
120 27.0 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

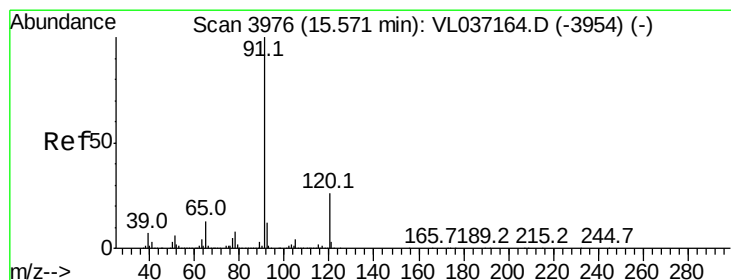
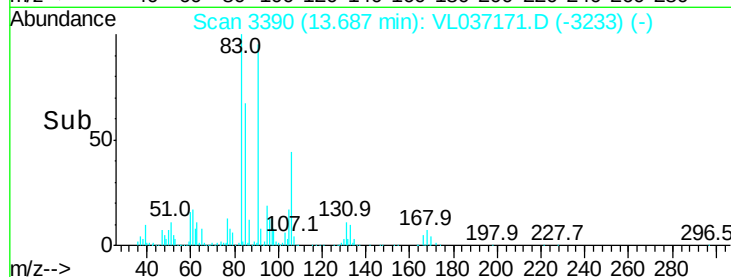
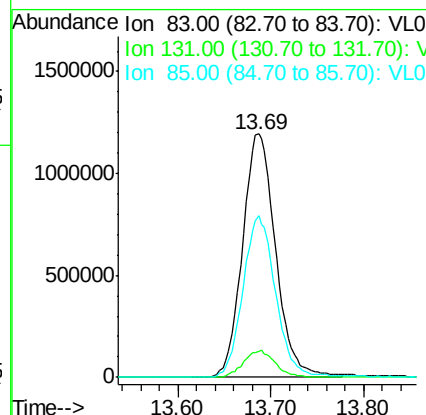
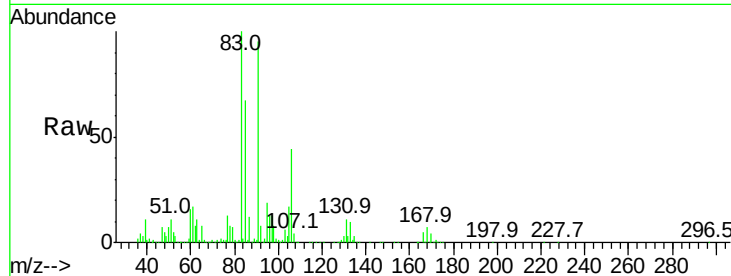




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.495 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

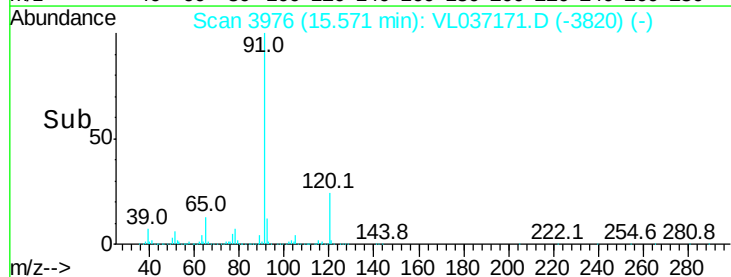
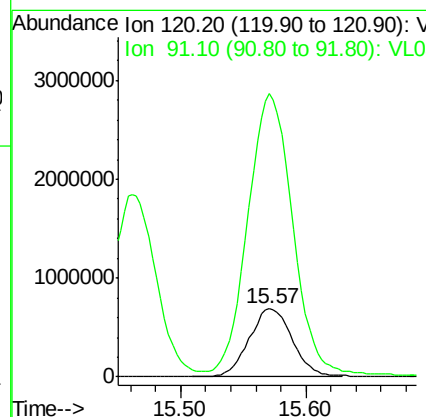
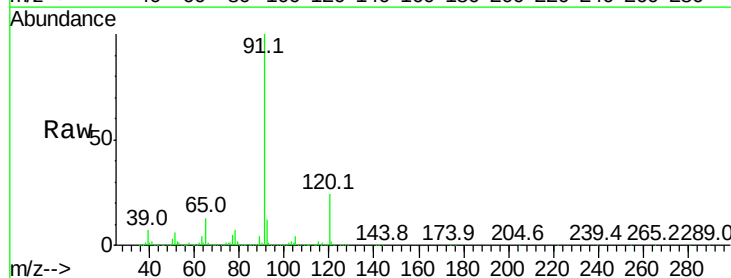
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061621

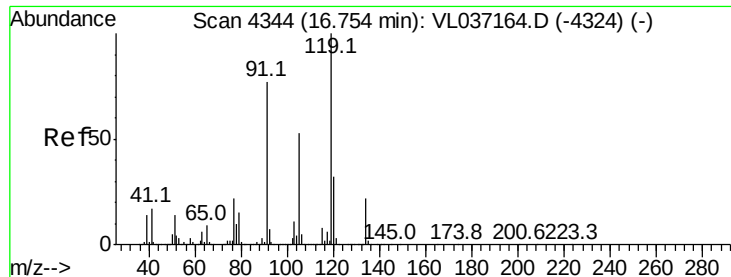
Tgt Ion: 83 Resp: 2953895
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.4 16.2
 85 65.8 33.1 99.2



#64
 n-propylbenzene
 Concen: 7.872 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

Tgt Ion: 120 Resp: 1659365
 Ion Ratio Lower Upper
 120 100
 91 435.0 343.3 514.9





#65

tert-Butylbenzene

Concen: 7.529 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

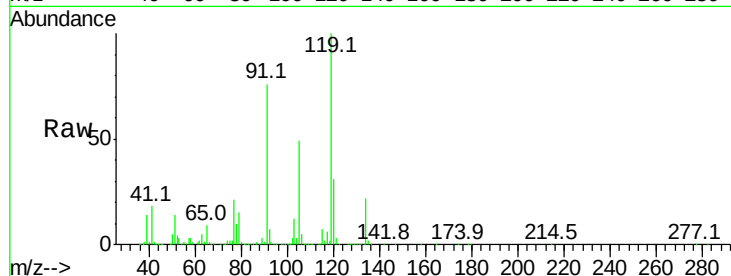
Tgt Ion: 119 Resp: 5620611

Ion Ratio Lower Upper

119 100

91 78.0 62.6 93.8

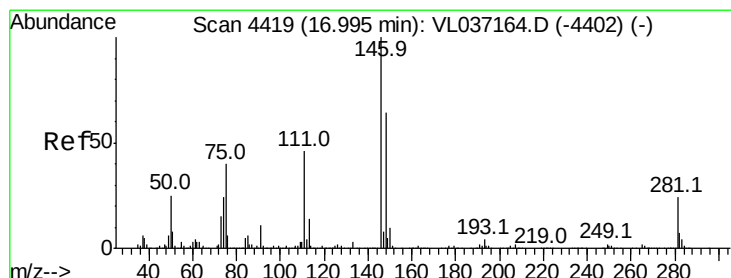
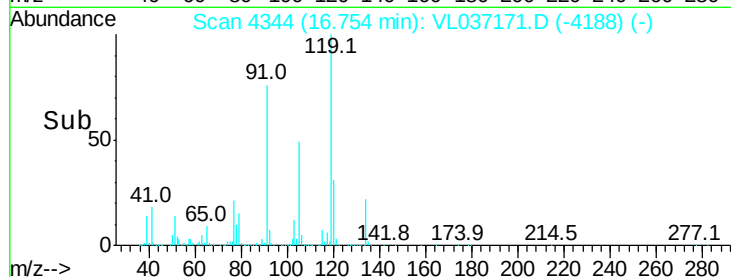
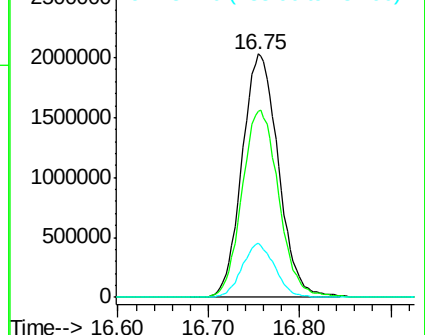
134 20.2 16.2 24.4



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: 8.833 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

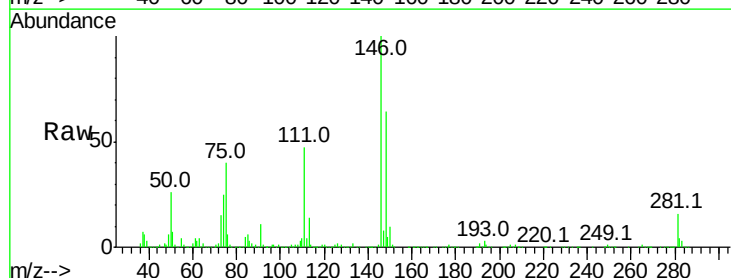
Tgt Ion: 91 Resp: 279437

Ion Ratio Lower Upper

91 100

126 18.6 15.5 23.3

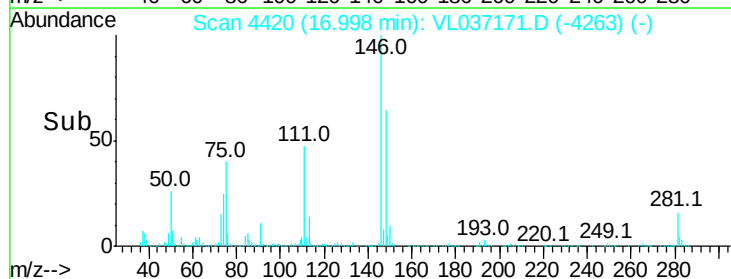
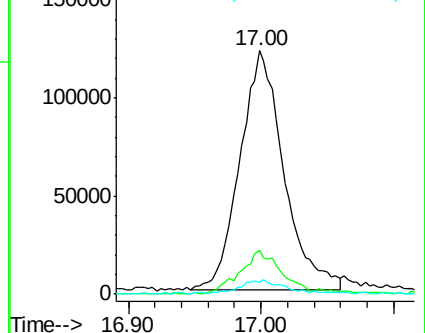
128 5.8 5.7 8.5

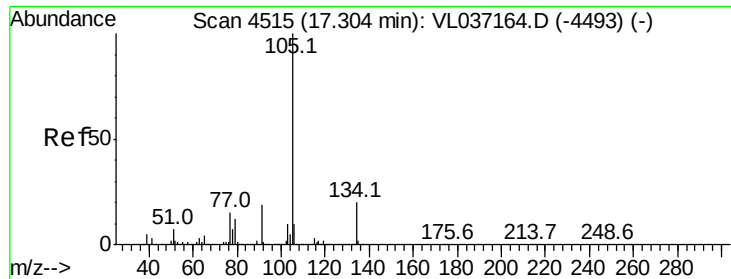


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.538 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

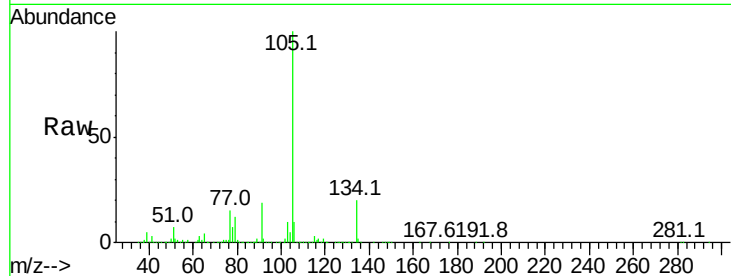
ICVVL061621

Tgt Ion:105 Resp: 7504152

Ion Ratio Lower Upper

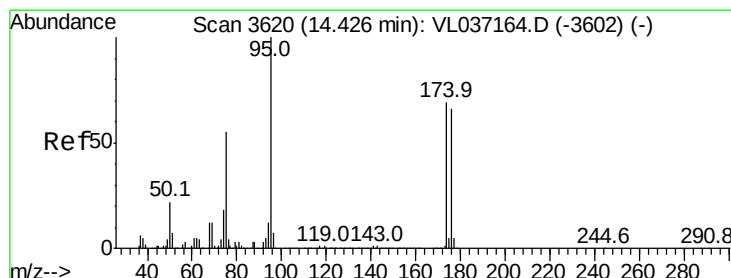
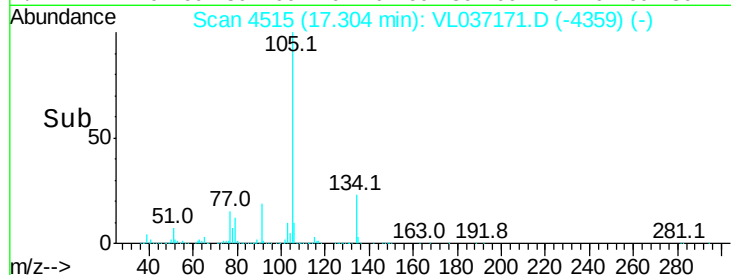
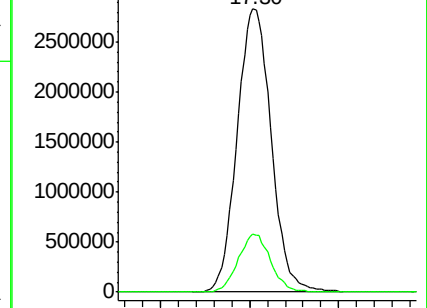
105 100

134 19.6 15.8 23.6



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: 8.193 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

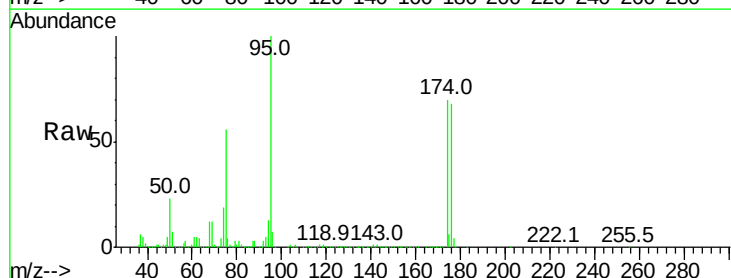
Tgt Ion: 95 Resp: 3308249

Ion Ratio Lower Upper

95 100

174 71.7 57.0 85.4

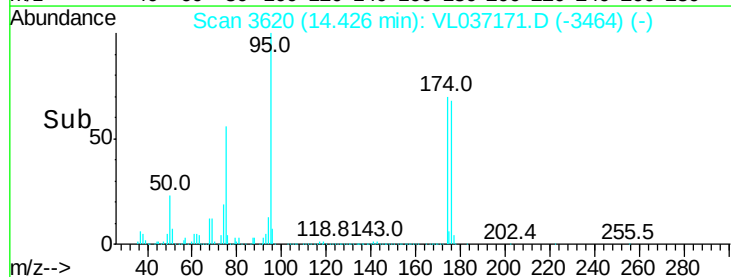
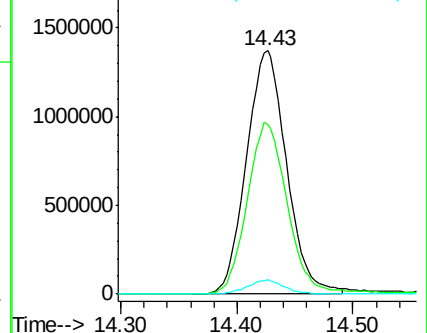
175 5.4 4.4 6.6

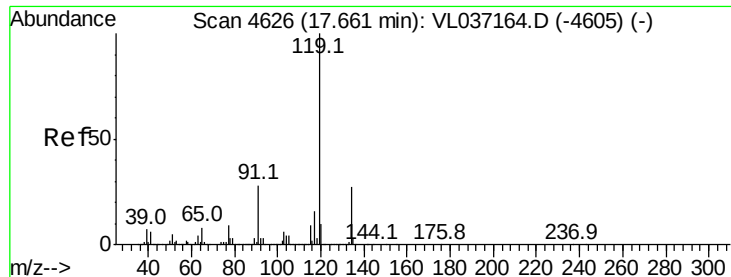


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

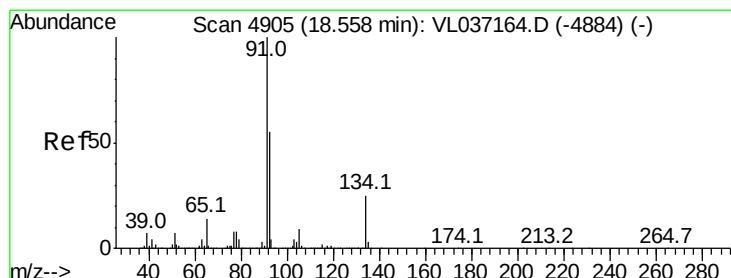
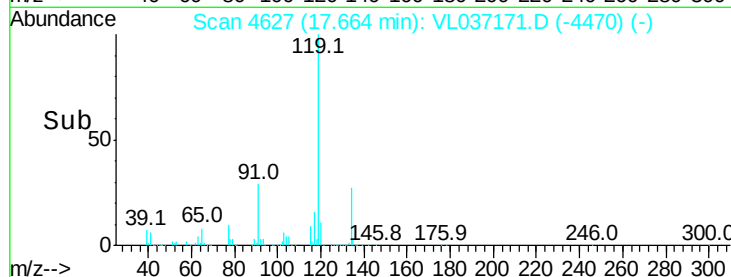
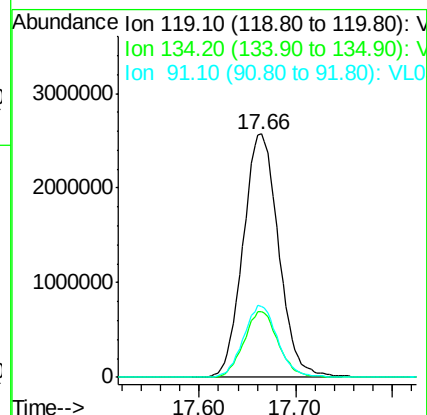
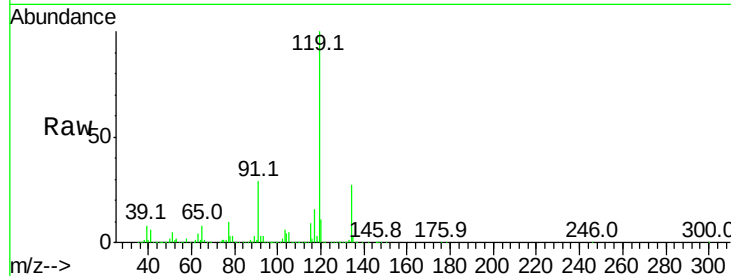




#69
 p-Isopropyltoluene
 Concen: 7.787 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

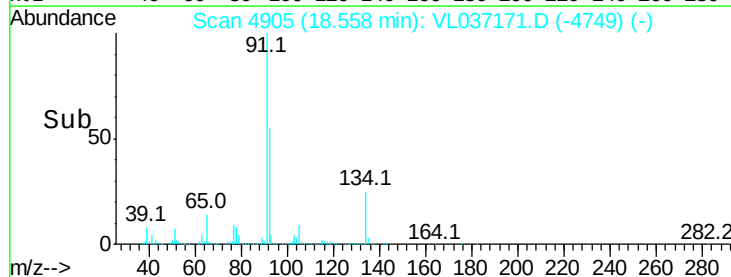
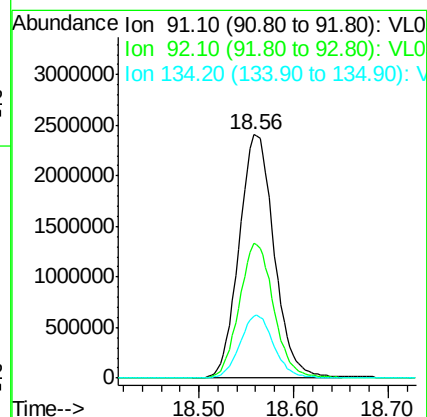
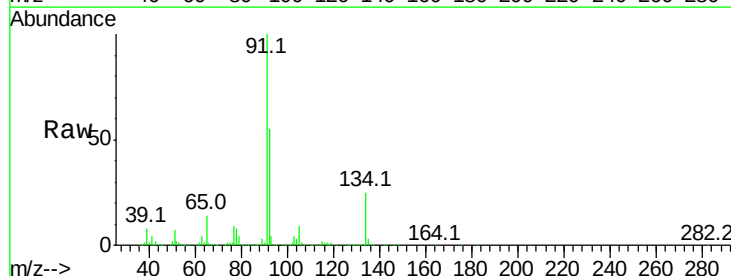
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061621

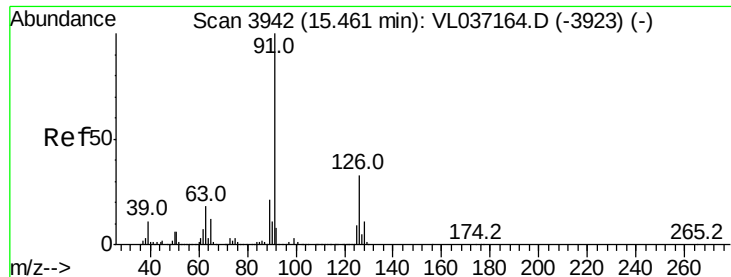
Tgt Ion: 119 Resp: 6547482
 Ion Ratio Lower Upper
 119 100
 134 26.4 20.9 31.3
 91 28.3 22.6 34.0



#70
 n-Butylbenzene
 Concen: 7.975 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

Tgt Ion: 91 Resp: 6206043
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.0 66.0
 134 25.2 20.2 30.4





#71

2-Chlorotoluene

Concen: 7.715 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

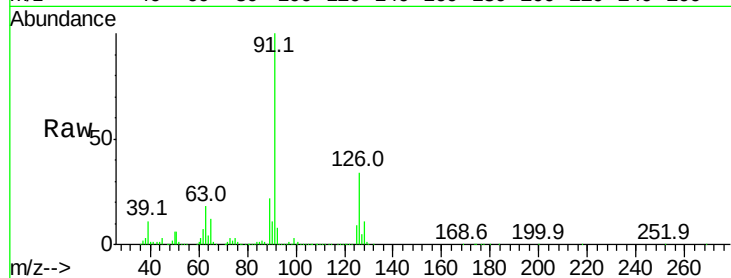
ICVVL061621

Tgt Ion: 91 Resp: 4539862

Ion Ratio Lower Upper

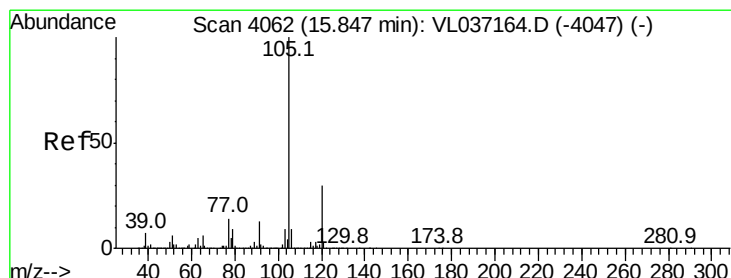
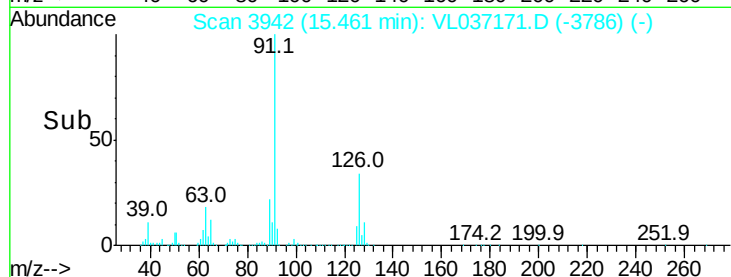
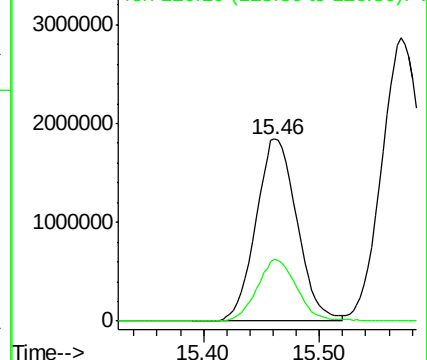
91 100

126 33.4 13.5 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.854 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Tgt Ion: 105 Resp: 5281220

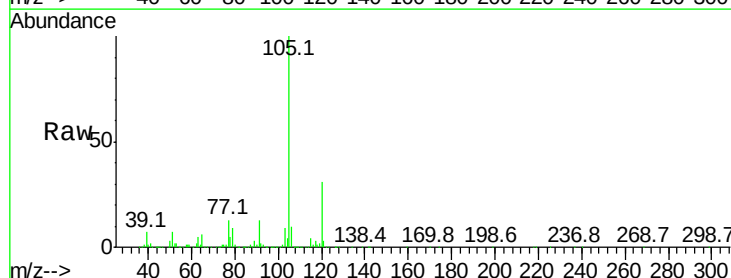
Ion Ratio Lower Upper

105 100

120 32.7 24.7 37.1

91 13.0 10.2 15.4

77 13.9 11.0 16.6

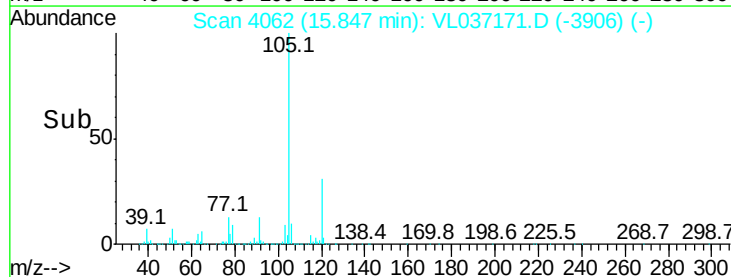
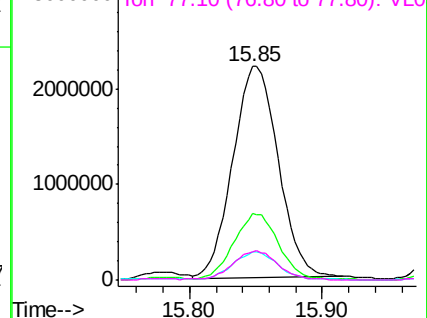


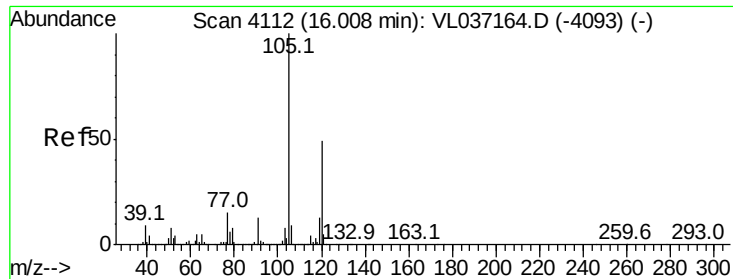
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.550 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

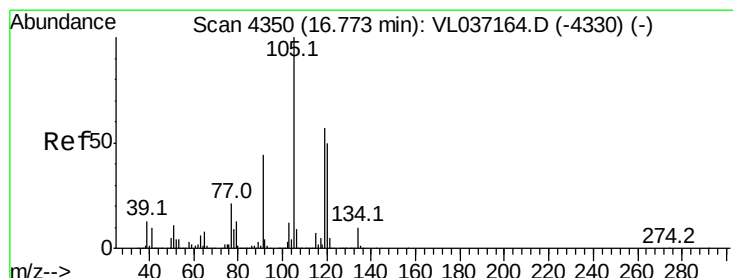
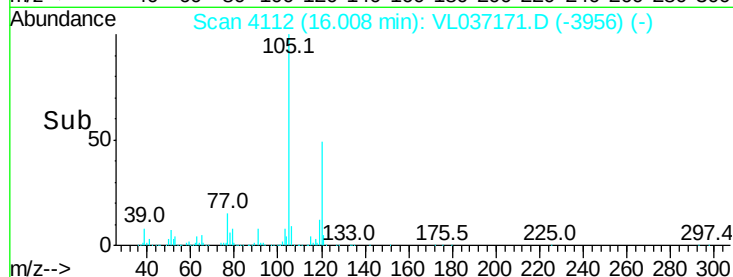
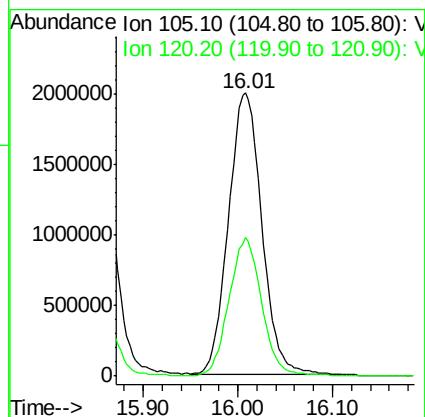
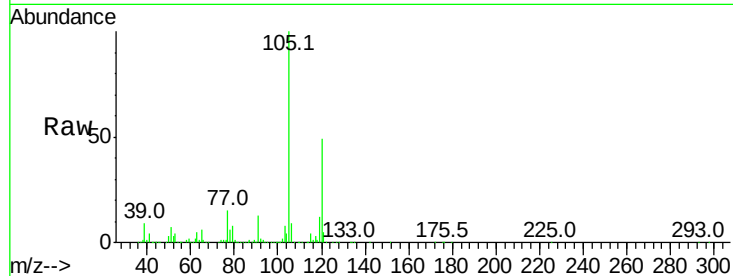
ICVVL061621

Tgt Ion:105 Resp: 4907779

Ion Ratio Lower Upper

105 100

120 49.0 39.4 59.2



#74

1,2,4-Trimethylbenzene

Concen: 7.637 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Tgt Ion:105 Resp: 5114841

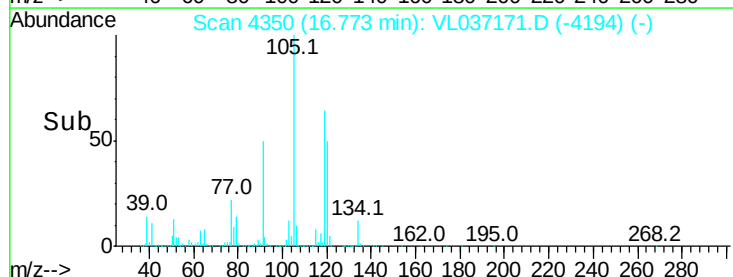
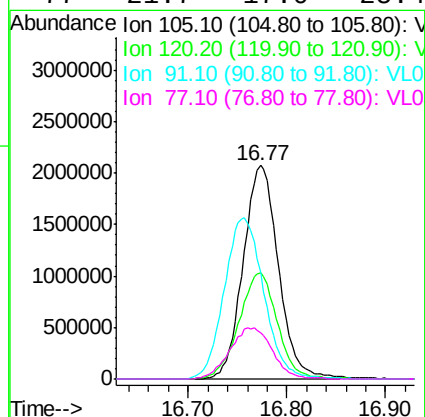
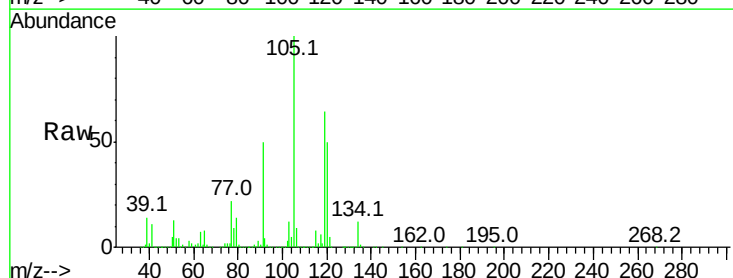
Ion Ratio Lower Upper

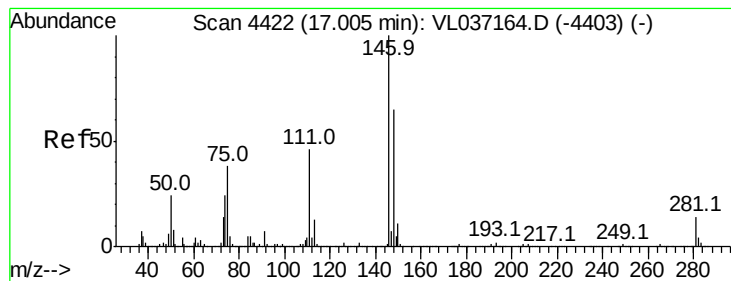
105 100

120 49.9 39.8 59.8

91 49.3 37.0 55.4

77 21.7 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 7.863 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

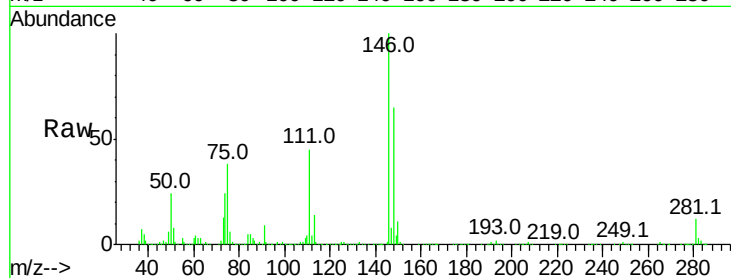
Tgt Ion:146 Resp: 3201911

Ion Ratio Lower Upper

146 100

111 44.6 22.2 66.6

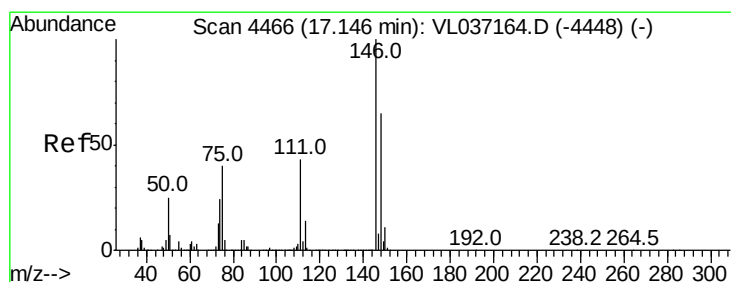
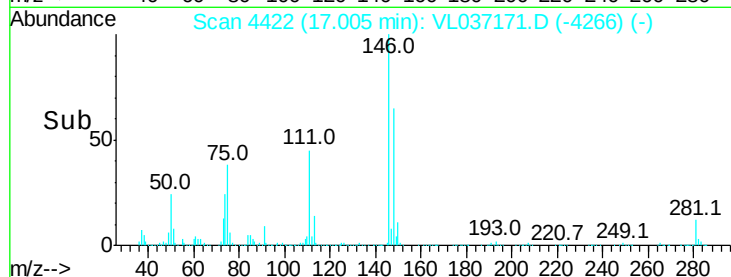
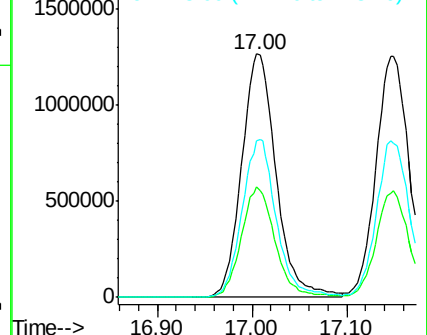
148 64.3 32.4 97.2



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: 7.472 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

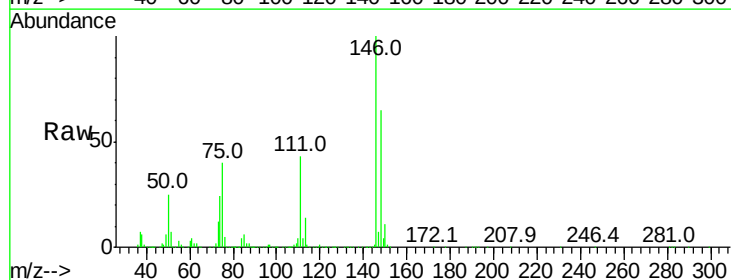
Tgt Ion:146 Resp: 3039274

Ion Ratio Lower Upper

146 100

111 45.2 22.7 68.0

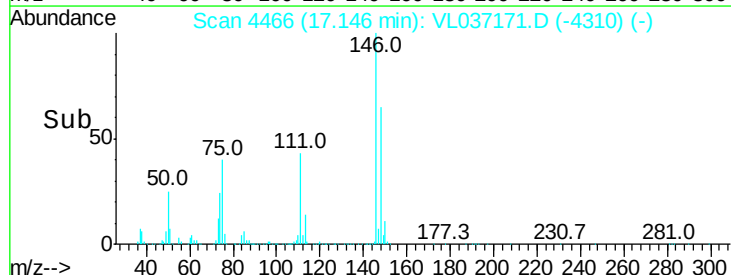
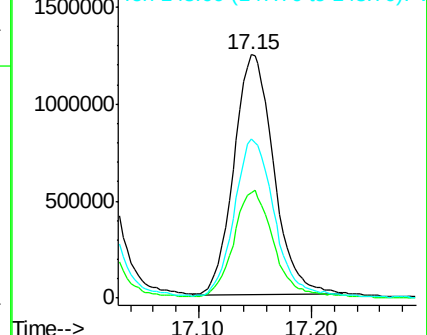
148 67.9 33.7 101.1

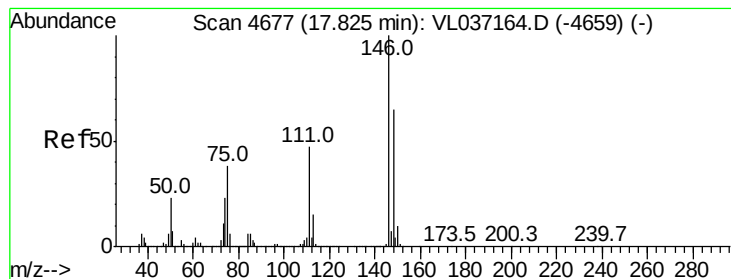


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.708 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

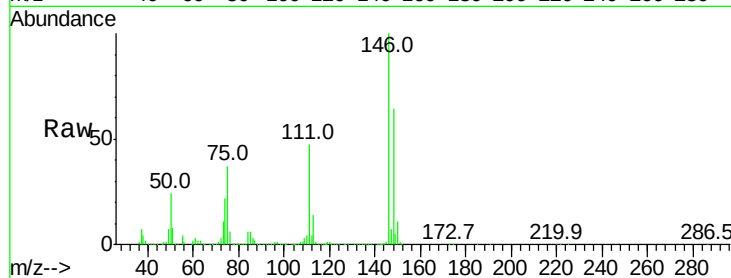
Tgt Ion:146 Resp: 3036512

Ion Ratio Lower Upper

146 100

111 46.5 23.3 69.8

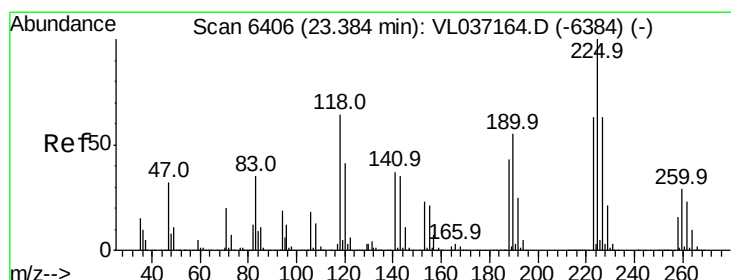
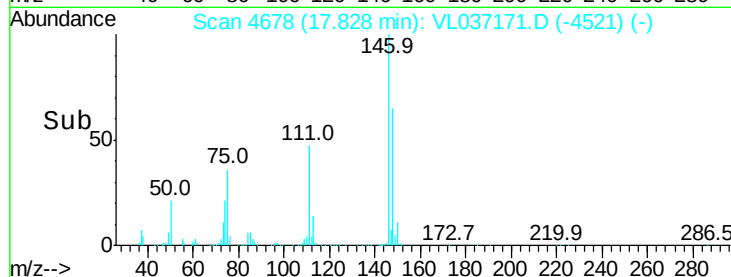
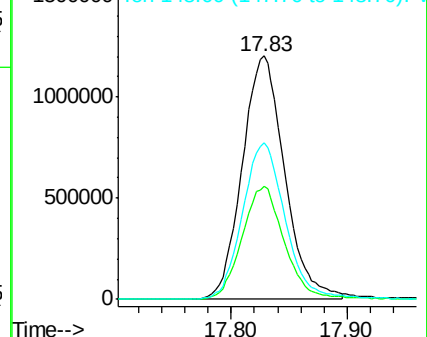
148 65.3 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.005 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

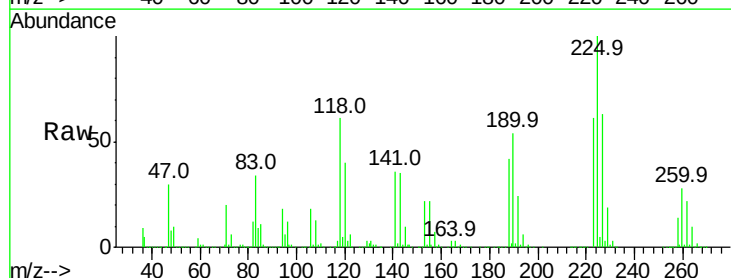
Tgt Ion:225 Resp: 2034047

Ion Ratio Lower Upper

225 100

223 65.4 51.8 77.8

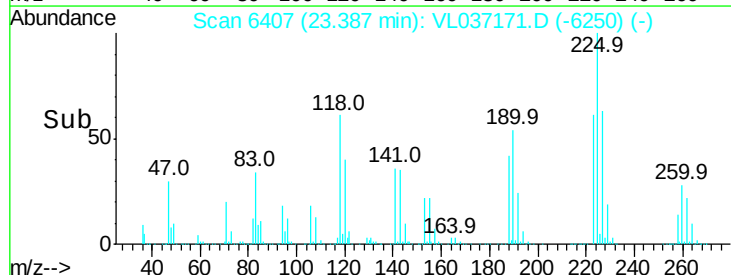
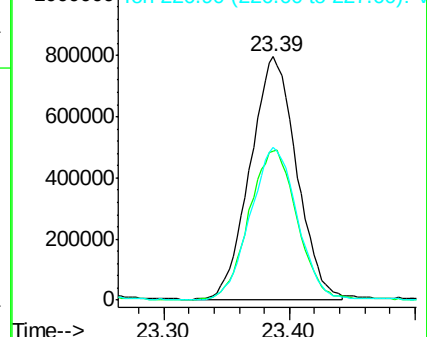
227 64.6 51.4 77.0

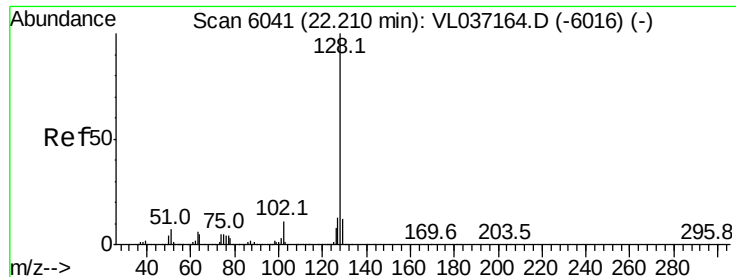


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.246 ppbv

RT: 22.21 min Scan# 6040

Delta R.T. -0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061621

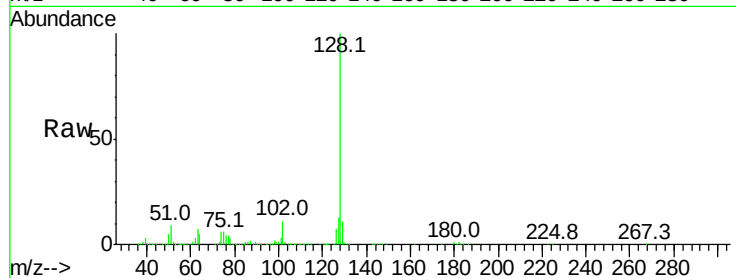
Tgt Ion:128 Resp: 4046110

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

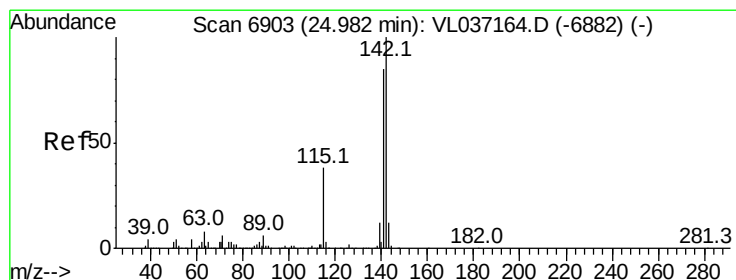
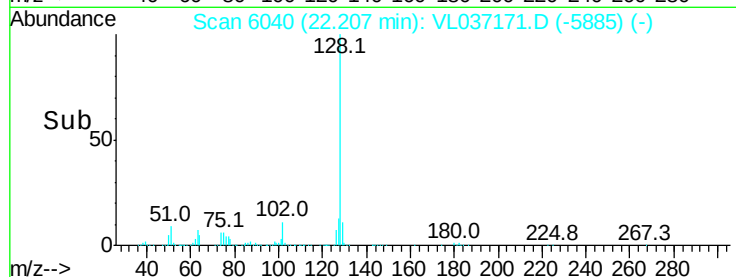
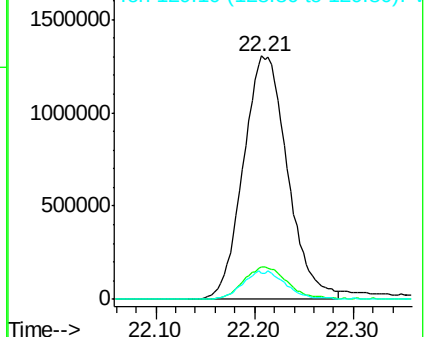
129 10.5 9.3 13.9



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: 9.212 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.00 min

Lab File: VL037171.D

Acq: 16 Jun 2021 14:27

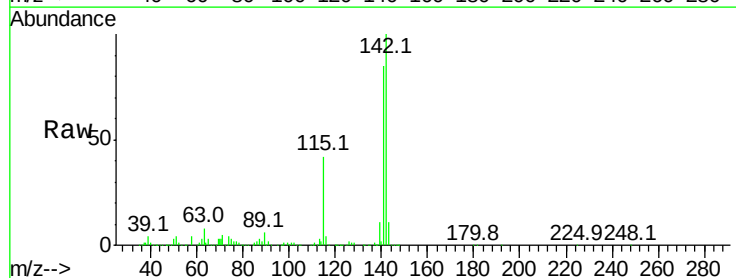
Tgt Ion:142 Resp: 1349119

Ion Ratio Lower Upper

142 100

141 84.6 63.7 95.5

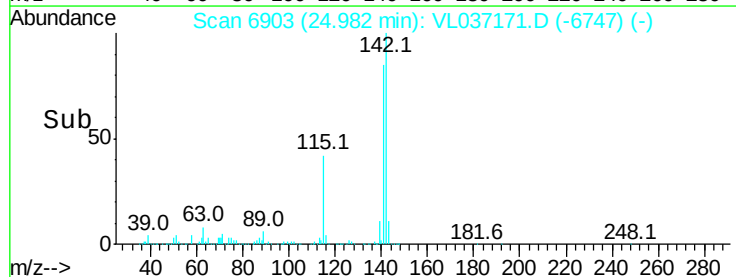
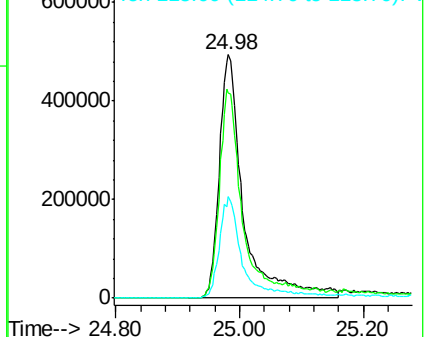
115 42.8 30.6 45.8

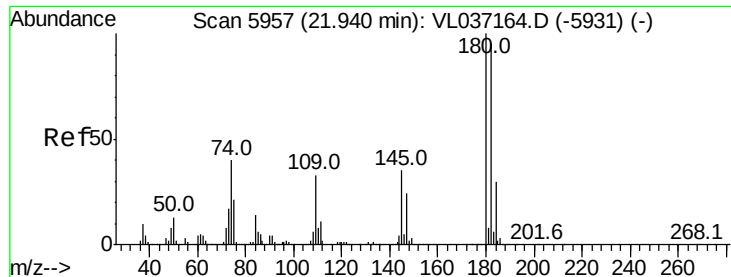


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

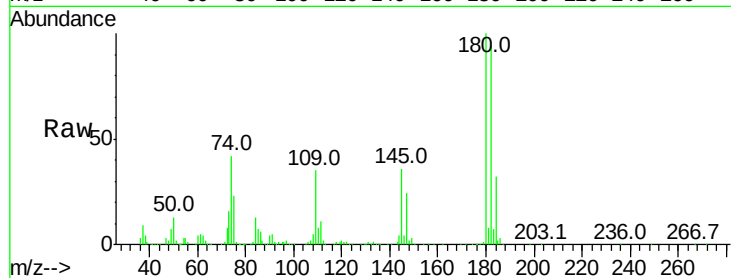




#81
 1,2,4-Trichlorobenzene
 Concen: 7.082 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. -0.00 min
 Lab File: VL037171.D
 Acq: 16 Jun 2021 14:27

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061621

Tgt Ion:180 Resp: 2281900
 Ion Ratio Lower Upper
 180 100
 182 97.0 79.3 118.9
 184 31.0 24.7 37.1



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

