

Data File : VL037246.D
Acq On : 29 Jun 2021 12:57
Operator : SY/AP
Sample : VL0629ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Quant Time: Jun 29 13:54:08 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	5.65	49	1635103	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4871181	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	5654817	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3623859	8.46	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	2352931	8.274	ppbv	98
3) Chlorodifluoromethane	2.98	51	2717233	8.546	ppbv	98
4) Chloromethane	3.13	50	928352	8.761	ppbv	100
5) Vinyl Chloride	3.25	62	1002961	8.612	ppbv	99
6) Bromomethane	3.47	94	556507	8.010	ppbv	99
7) Chloroethane	3.55	64	371095	8.915	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2590582	8.880	ppbv	100
9) Propene	3.00	41	851474	8.376	ppbv	100
10) Heptane	8.11	43	2189840	8.894	ppbv	99
11) Trichlorofluoromethane	3.94	101	2778315	9.156	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1997420	9.338	ppbv	98
13) Ethanol	3.61	45	97645	6.209	ppbv	54
14) Bromoethene	3.73	108	834650	9.350	ppbv	98
15) Acetone	3.84	43	1359267	7.372	ppbv	98
16) 1,3-Butadiene	3.32	39	999953	9.173	ppbv	99
17) tert-Butyl alcohol	4.29	59	1546172	9.073	ppbv	98
18) 1,1-Dichloroethene	4.28	96	892520	9.417	ppbv	98
19) Isopropyl Alcohol	3.96	45	856184	7.666	ppbv #	98
20) Methylene Chloride	4.34	84	755099	6.840	ppbv	99
21) Allyl Chloride	4.40	41	1208752	8.697	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	907344	9.674	ppbv	95
23) Vinyl Acetate	5.06	43	2150818	8.135	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1832478	8.609	ppbv	100
25) Ethyl Acetate	5.67	43	3475389	8.706	ppbv	99
26) Hexane	5.68	57	1690521	8.379	ppbv	98
27) Carbon Disulfide	4.54	76	2054687	10.395	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1936322	7.983	ppbv	100
29) Chloroform	5.74	83	2777155	8.911	ppbv	97
30) Cyclohexane	7.12	84	1471135	8.752	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1648321	8.891	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2926756	8.776	ppbv	100
34) 2-Butanone	5.24	43	1605990	8.477	ppbv	98
35) Carbon Tetrachloride	7.01	117	3147953	9.635	ppbv	99
36) Benzene	6.88	78	3451533	8.763	ppbv	97
37) 1,2-Dichloroethane	6.29	62	2071216	9.052	ppbv	100
38) Trichloroethene	7.83	130	1500526	8.014	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1315023	8.984	ppbv	98
40) 1,4-Dioxane	7.83	88	295734	7.368	ppbv #	42
41) Tetrahydrofuran	6.04	42	803073	9.126	ppbv	98
42) Bromodichloromethane	7.78	83	2959639	9.376	ppbv	99
43) Methyl Methacrylate	8.01	69	1263656	9.289	ppbv	98

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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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5723086	8.628	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	933785	7.780	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1196567	7.288	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1494500	8.950	ppbv	99
48) Dibromochloromethane	10.29	129	2724793	10.337	ppbv	99
49) Bromoform	13.03	173	2190119	11.152	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2493980	9.584	ppbv	99
51) 2-Hexanone	10.13	43	1219633	9.633	ppbv #	97
52) Tetrachloroethene	11.21	164	1423866	7.779	ppbv	96
53) Toluene	9.79	91	4184570	8.894	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2230130	9.293	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1837589	7.432	ppbv	97
57) Chlorobenzene	12.13	112	3186181	6.948	ppbv	98
58) Ethyl Benzene	12.70	91	5563757	7.147	ppbv	99
59) m/p-Xylene	12.98	91	5678510	8.608	ppbv #	55
60) o-Xylene	13.68	91	4509367	7.179	ppbv	100
61) Styrene	13.51	104	2532016	7.810	ppbv	98
62) Isopropylbenzene	14.65	105	6327066	7.083	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3041975	7.273	ppbv	99
64) n-propylbenzene	15.55	120	1694205	7.574	ppbv	96
65) tert-Butylbenzene	16.73	119	5749692	7.258	ppbv	98
66) Benzyl Chloride	16.97	91	234559	6.987	ppbv	99
67) sec-Butylbenzene	17.28	105	7642965	7.235	ppbv	100
69) p-Isopropyltoluene	17.64	119	6642639	7.444	ppbv	99
70) n-Butylbenzene	18.54	91	6300250	7.629	ppbv	99
71) 2-Chlorotoluene	15.44	91	4594424	7.357	ppbv	99
72) 4-Ethyltoluene	15.82	105	5399326	7.566	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4998769	7.247	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	5215085	7.337	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	3136753	7.258	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3014921	6.985	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	3028243	7.244	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2008920	5.589	ppbv	99
79) Naphthalene	22.18	128	3716801	6.272	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	803170	5.168	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	2214765	6.477	ppbv	99

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

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ClientSampleId :
VL0629ABS01

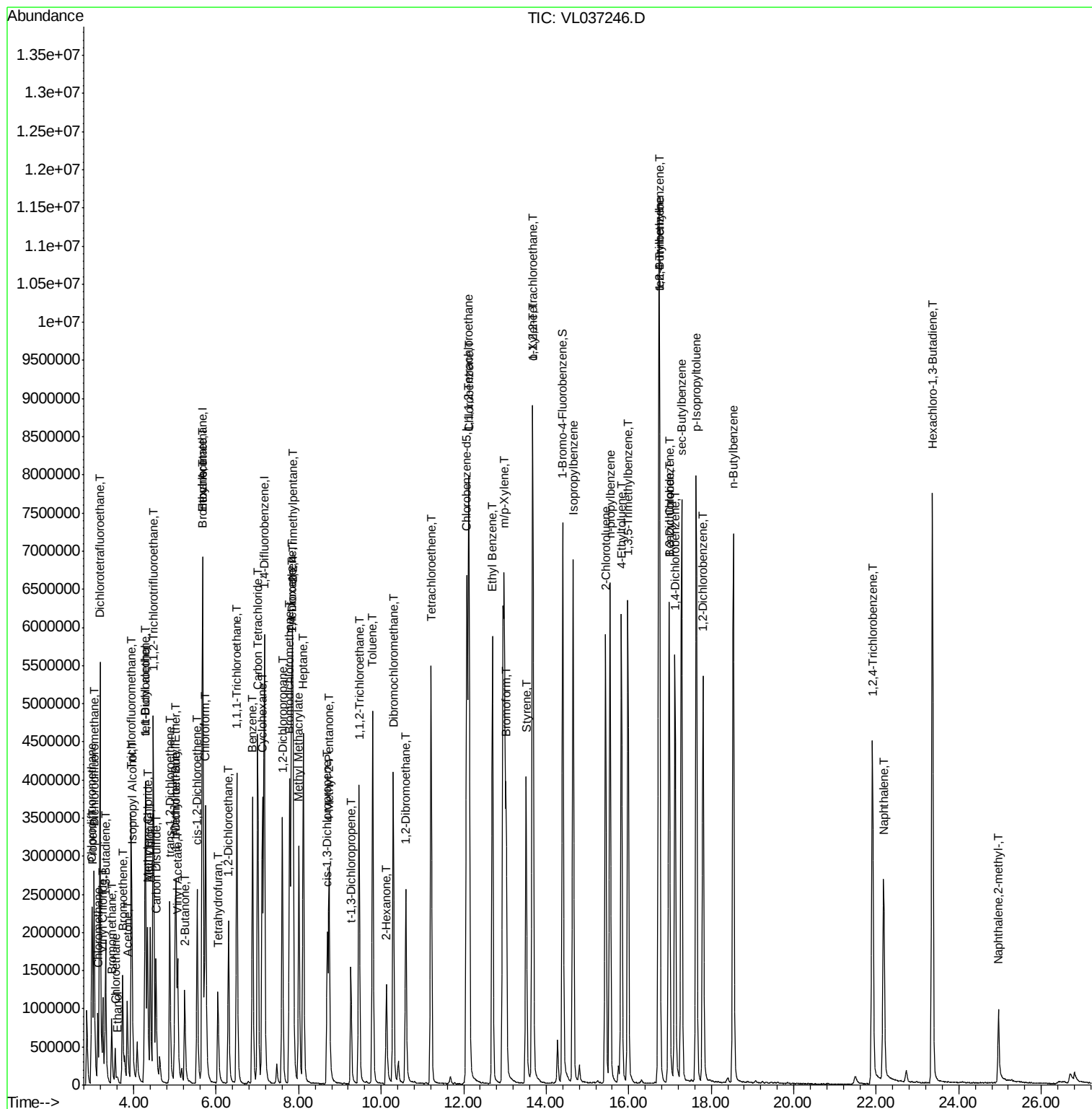
Quant Time: Jun 29 13:54:08 2021

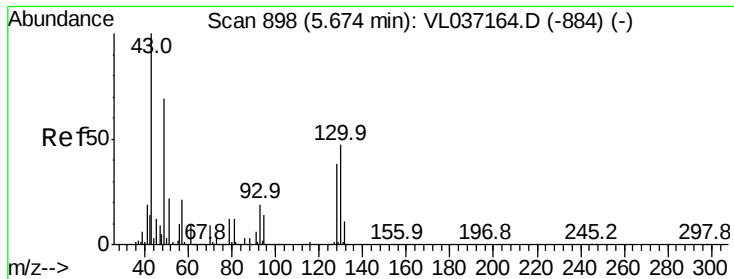
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL061621AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

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ClientSampleId :

VL0629ABS01

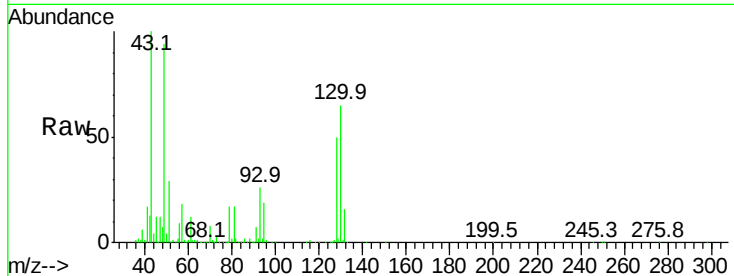
Tgt Ion: 49 Resp: 1635103

Ion Ratio Lower Upper

49 100

128 58.7 29.3 88.0

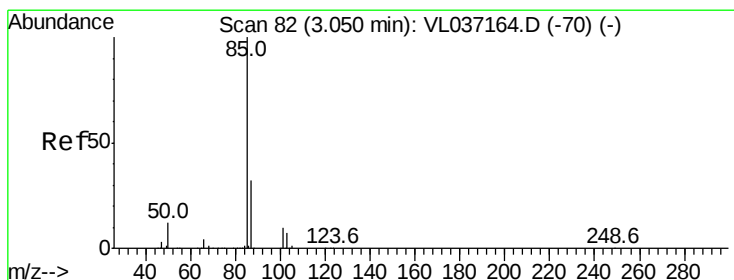
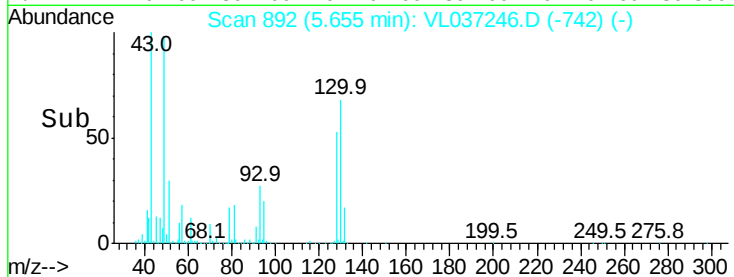
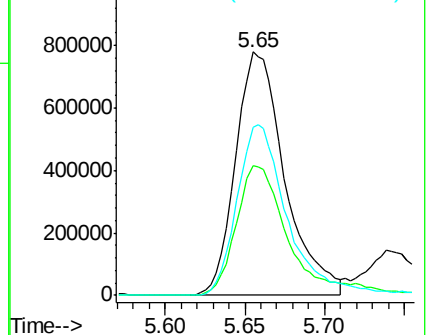
130 74.0 35.9 107.8



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: 8.274 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037246.D

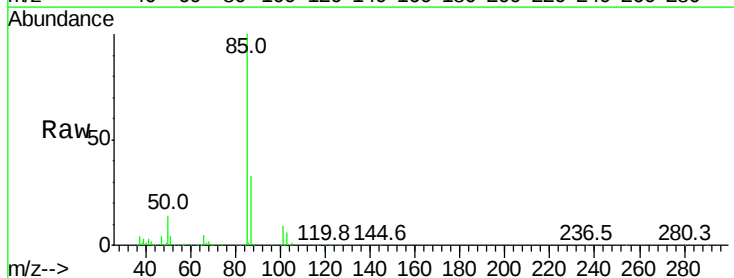
Acq: 29 Jun 2021 12:57

Tgt Ion: 85 Resp: 2352931

Ion Ratio Lower Upper

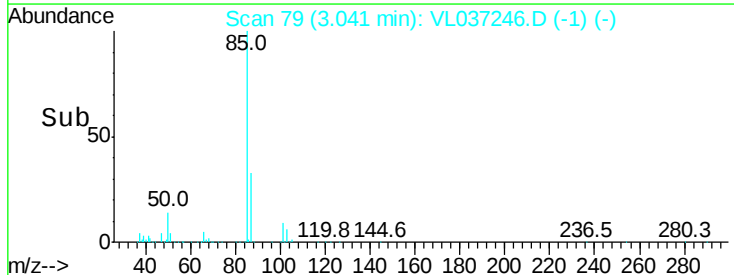
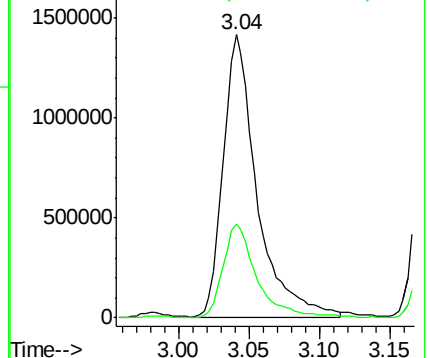
85 100

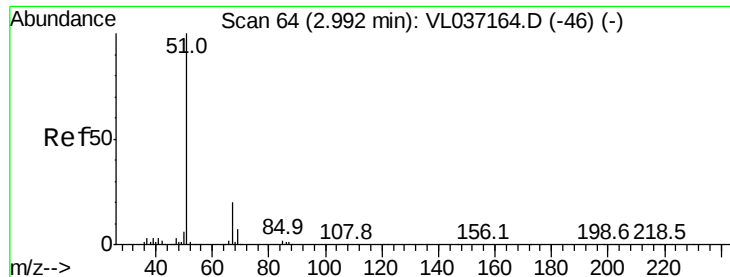
87 33.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.546 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

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ClientSampleId :

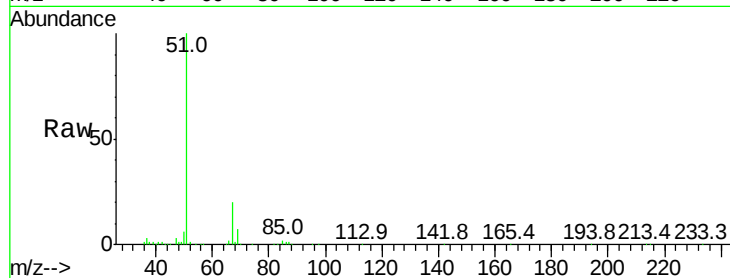
VL0629ABS01

Tgt Ion: 51 Resp: 2717233

Ion Ratio Lower Upper

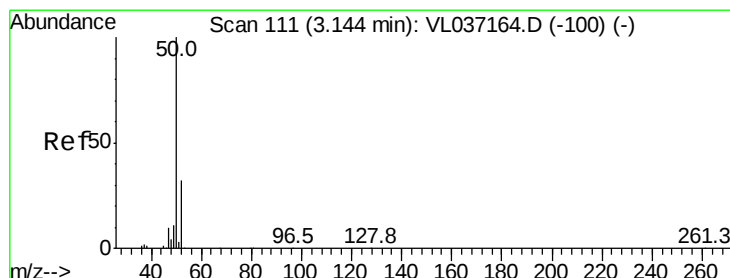
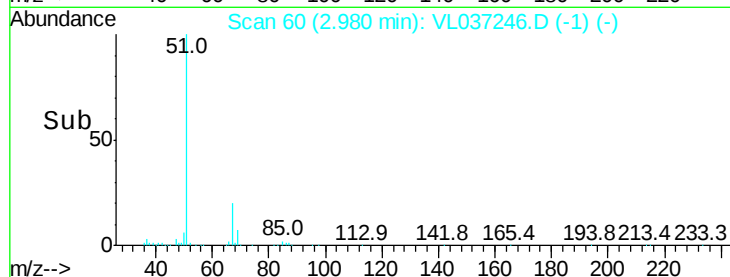
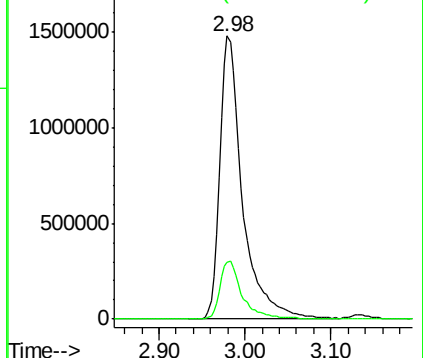
51 100

67 20.4 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: 8.761 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037246.D

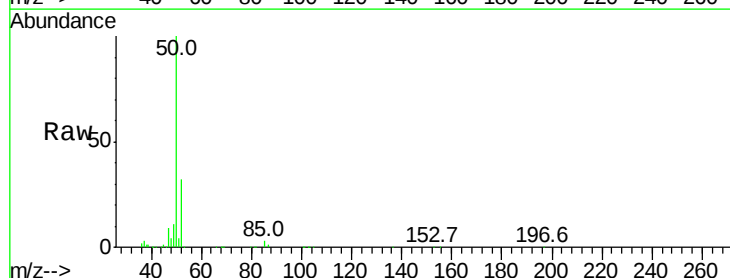
Acq: 29 Jun 2021 12:57

Tgt Ion: 50 Resp: 928352

Ion Ratio Lower Upper

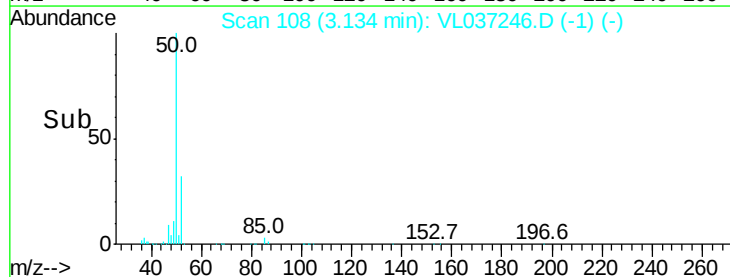
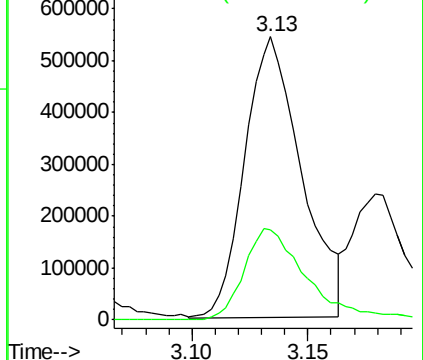
50 100

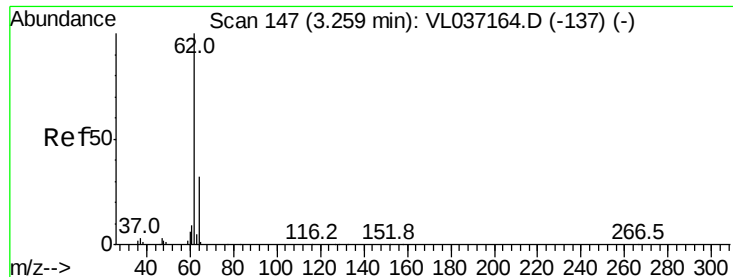
52 32.2 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.612 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

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ClientSampleId :

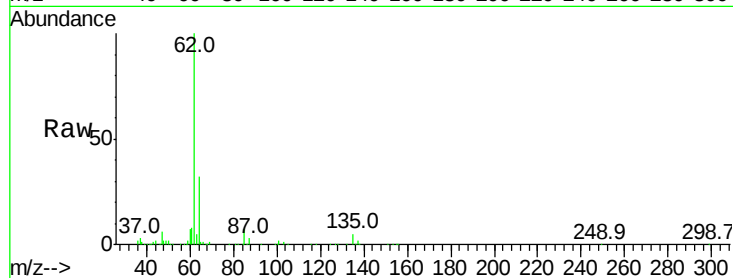
VL0629ABS01

Tgt Ion: 62 Resp: 1002961

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

400000

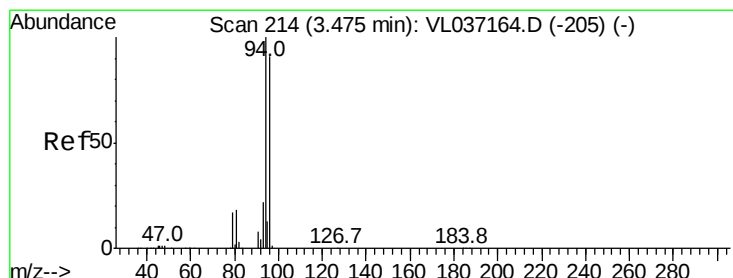
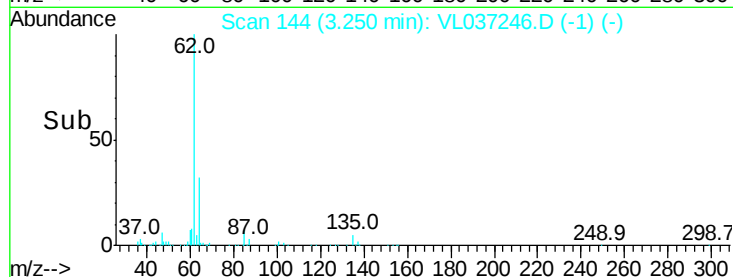
200000

0

3.25

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 8.010 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037246.D

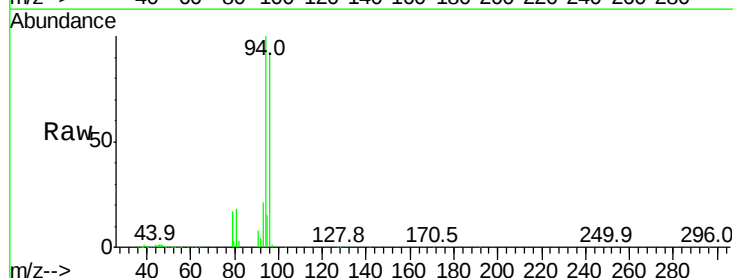
Acq: 29 Jun 2021 12:57

Tgt Ion: 94 Resp: 556507

Ion Ratio Lower Upper

94 100

96 92.1 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

300000

200000

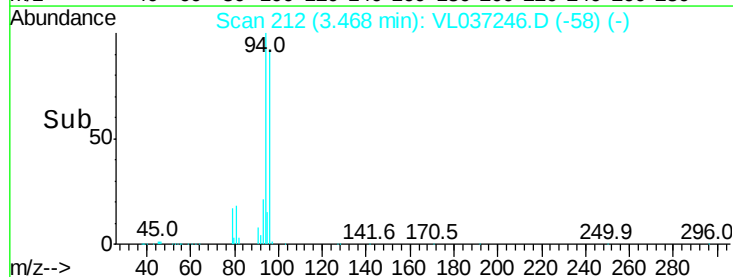
100000

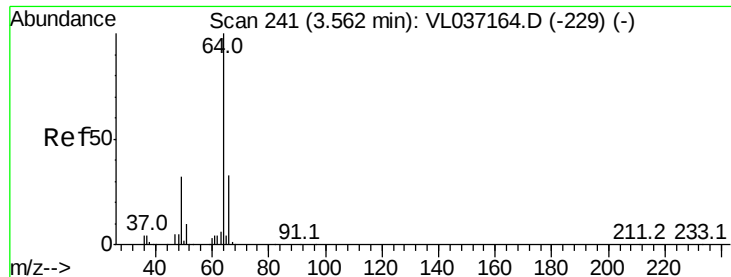
0

3.47

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 8.915 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

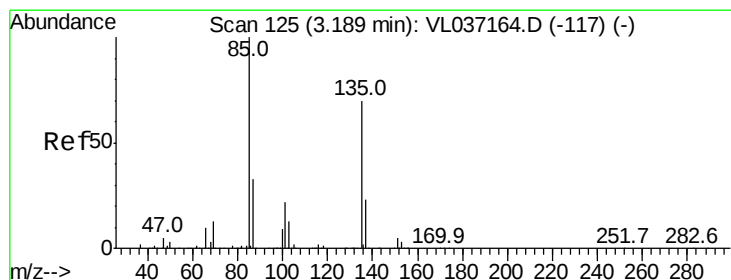
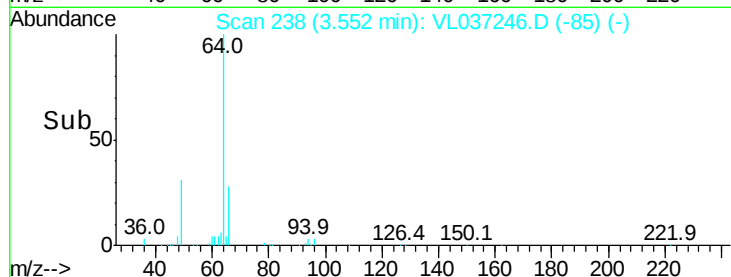
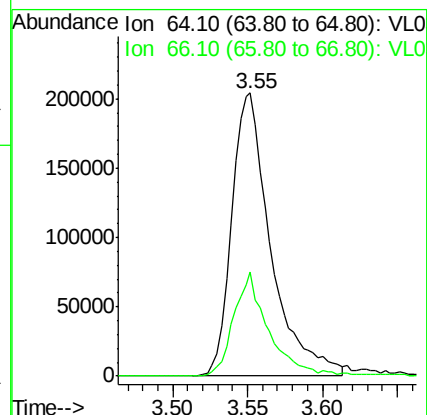
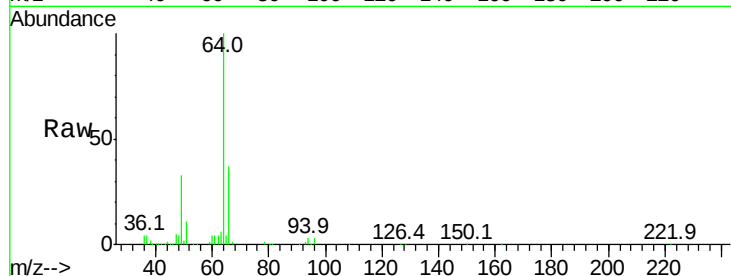
VL0629ABS01

Tgt Ion: 64 Resp: 371095

Ion Ratio Lower Upper

64 100

66 36.9 26.2 39.4



#8

Dichlorotetrafluoroethane

Concen: 8.880 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037246.D

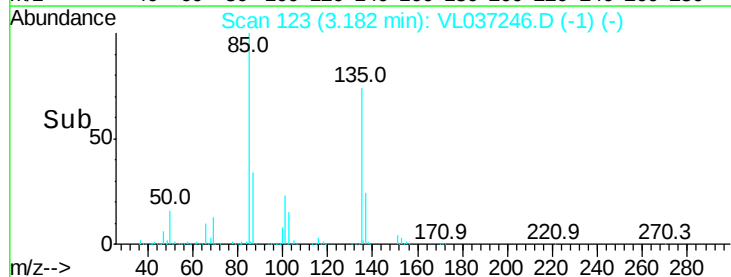
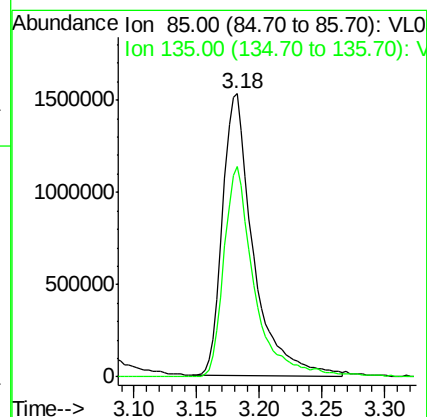
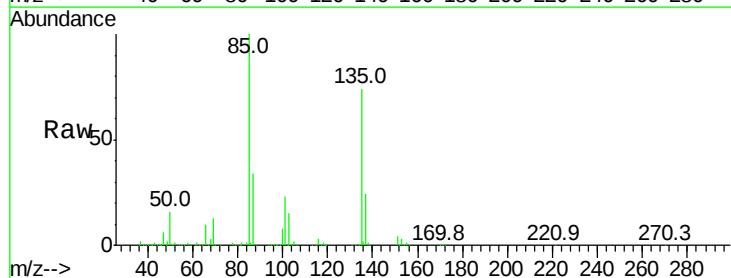
Acq: 29 Jun 2021 12:57

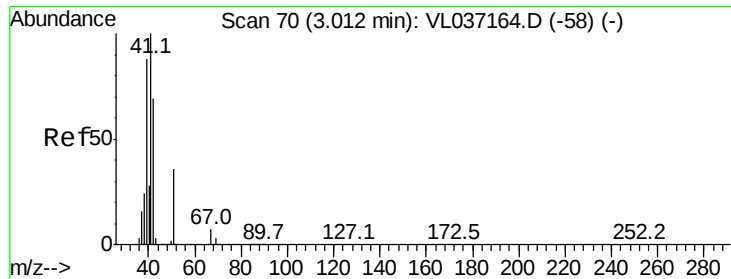
Tgt Ion: 85 Resp: 2590582

Ion Ratio Lower Upper

85 100

135 75.2 60.4 90.6





#9

Propene

Concen: 8.376 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037246.D

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ClientSampleId :

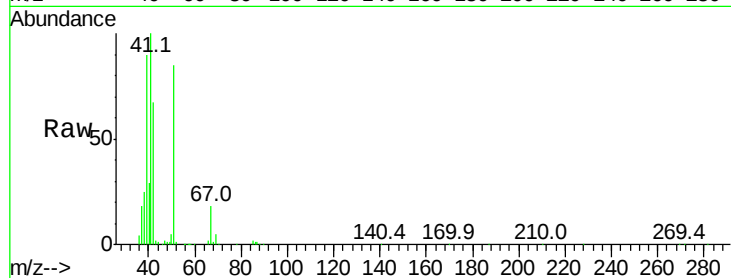
VL0629ABS01

Tgt Ion: 41 Resp: 851474

Ion Ratio Lower Upper

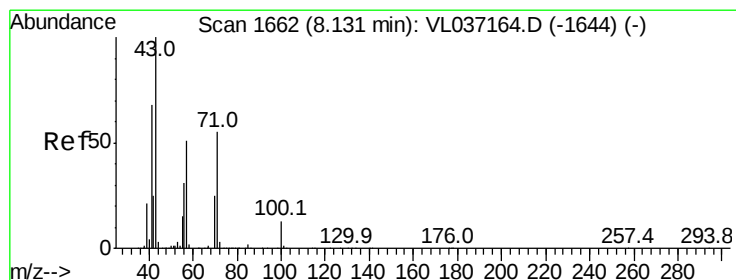
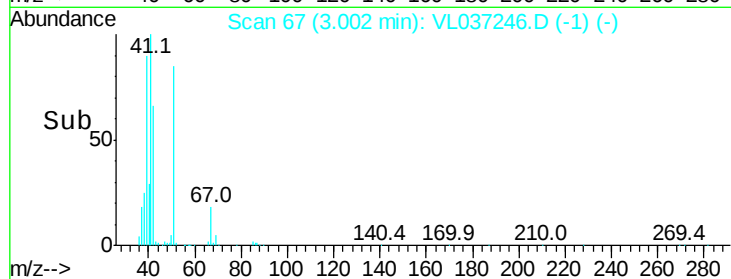
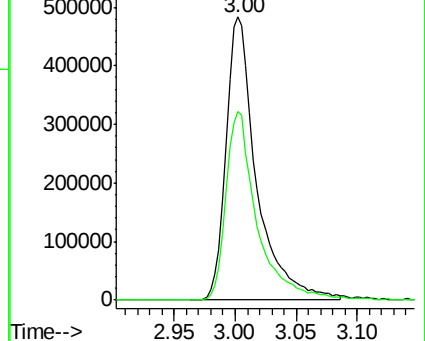
41 100

42 67.9 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.894 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL037246.D

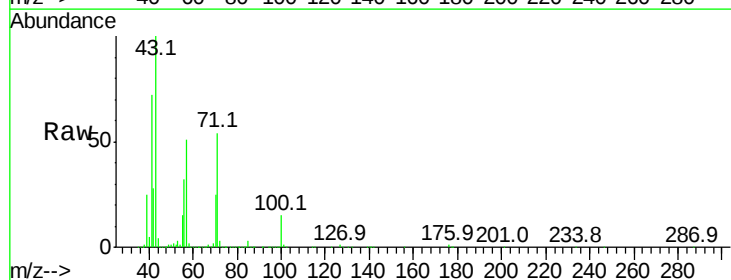
Acq: 29 Jun 2021 12:57

Tgt Ion: 43 Resp: 2189840

Ion Ratio Lower Upper

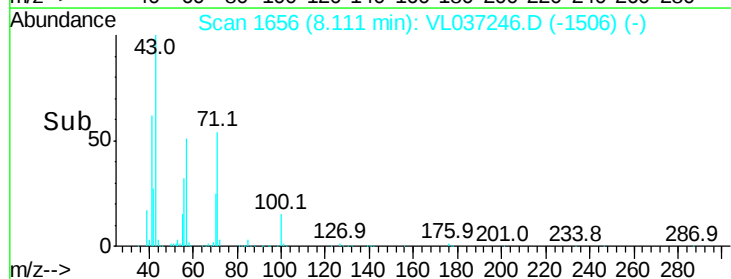
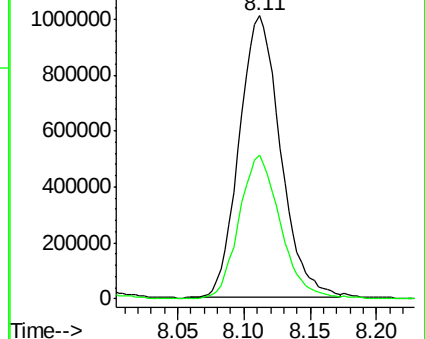
43 100

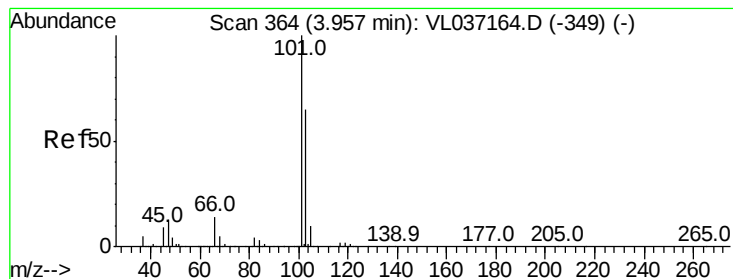
57 51.2 40.6 61.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.156 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

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MSVOA_L

ClientSampleId :

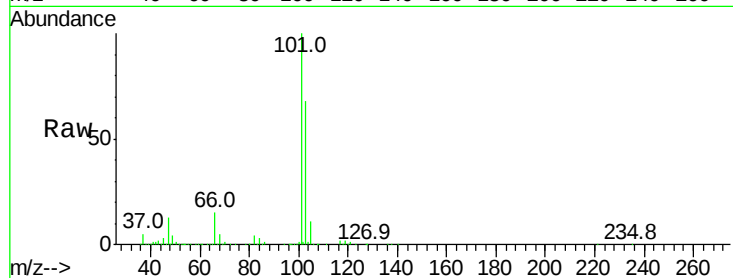
VL0629ABS01

Tgt Ion:101 Resp: 2778315

Ion Ratio Lower Upper

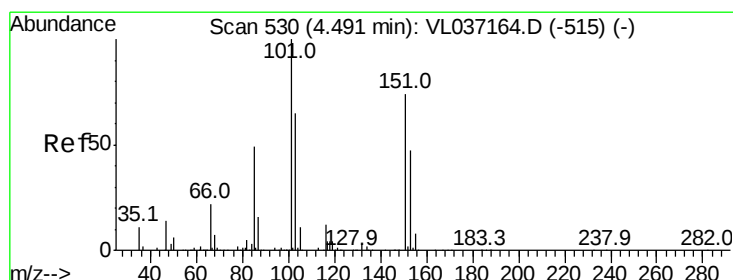
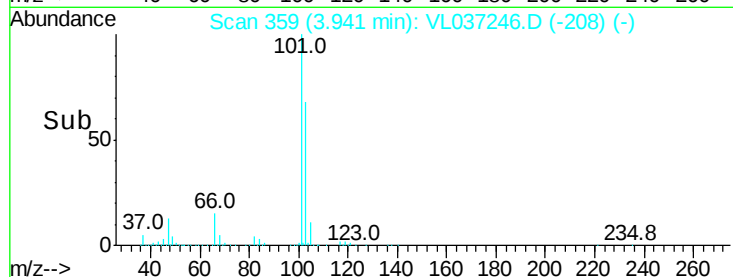
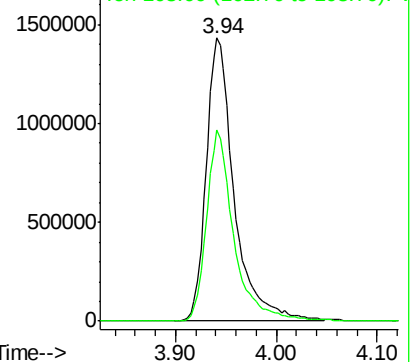
101 100

103 67.6 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: 9.338 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.02 min

Lab File: VL037246.D

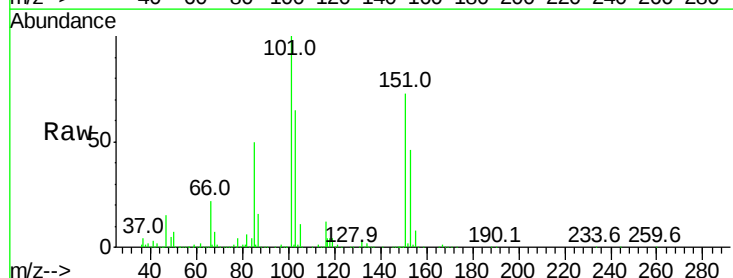
Acq: 29 Jun 2021 12:57

Tgt Ion:101 Resp: 1997420

Ion Ratio Lower Upper

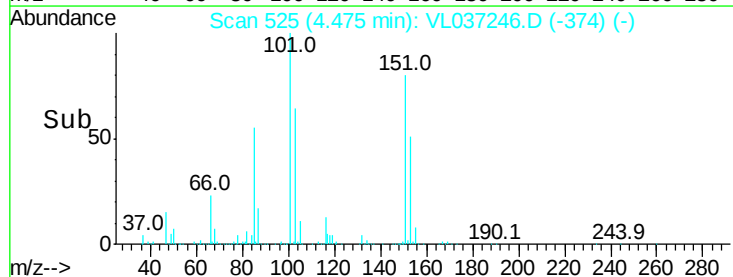
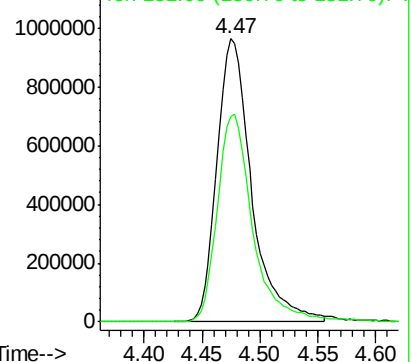
101 100

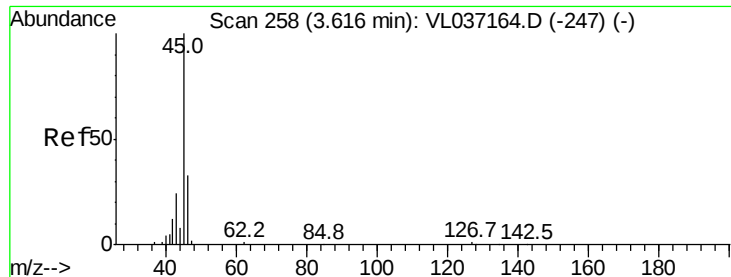
151 75.2 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.209 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

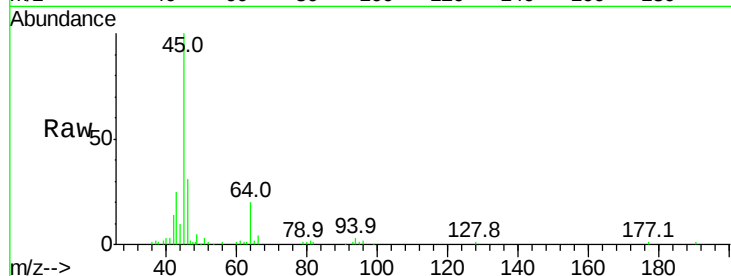
VL0629ABS01

Tgt Ion: 45 Resp: 97645

Ion Ratio Lower Upper

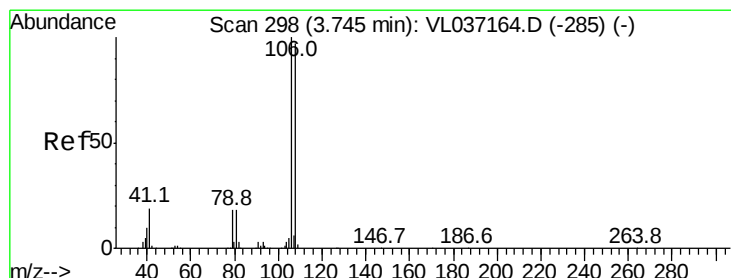
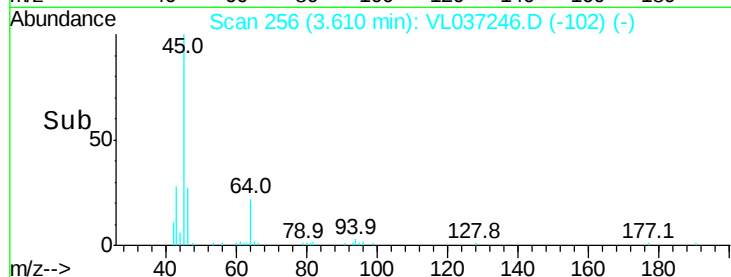
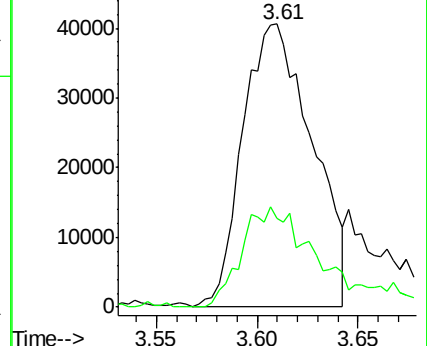
45 100

46 43.7 34.2 137.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.350 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

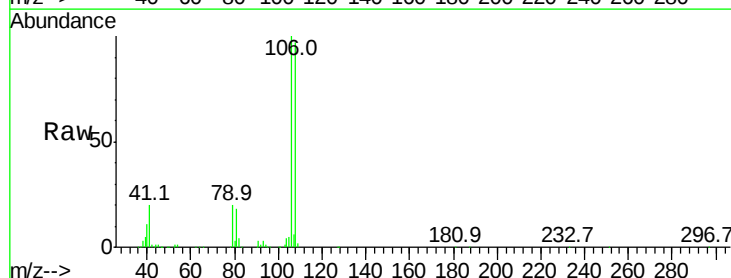
Tgt Ion: 108 Resp: 834650

Ion Ratio Lower Upper

108 100

106 106.7 86.8 130.2

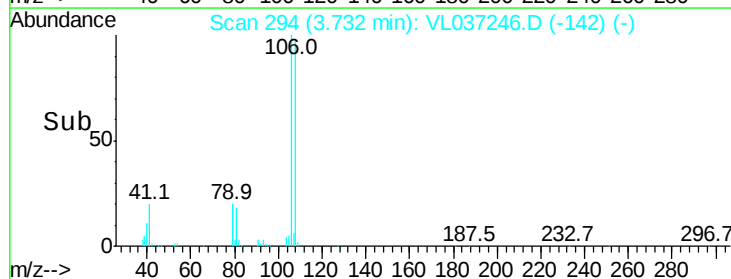
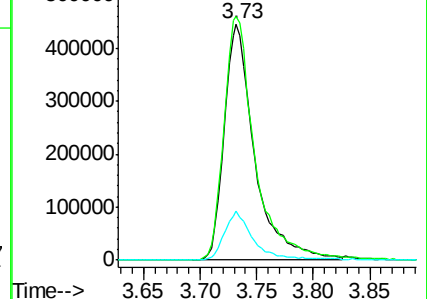
79 20.1 15.6 23.4

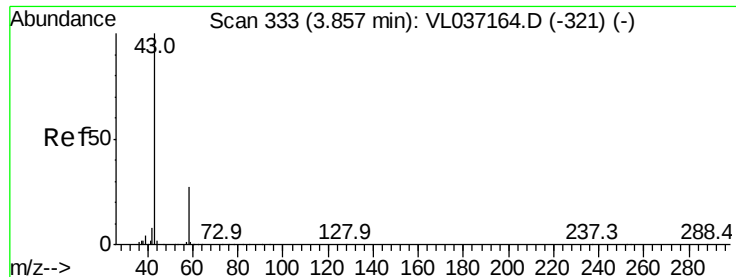


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.372 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

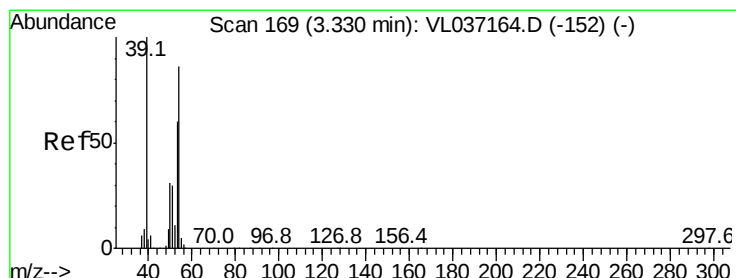
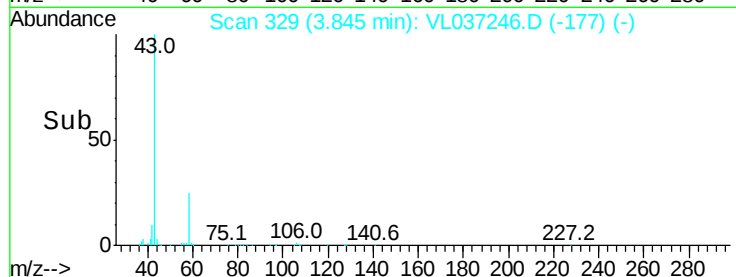
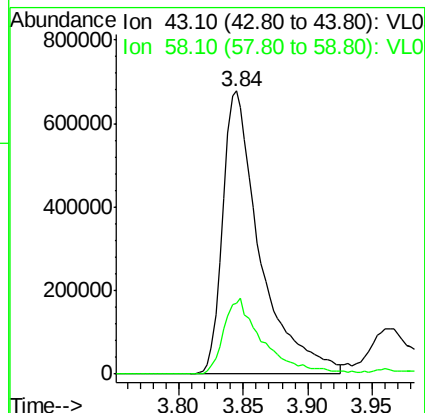
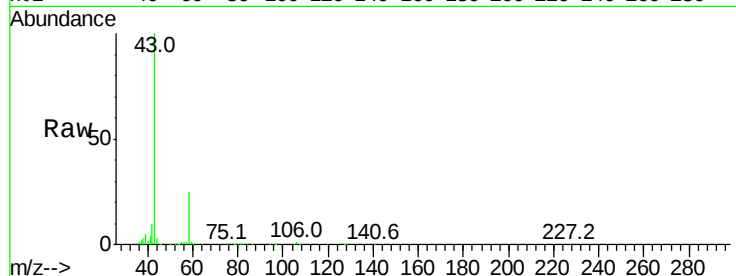
VL0629ABS01

Tgt Ion: 43 Resp: 1359267

Ion Ratio Lower Upper

43 100

58 28.4 23.7 35.5



#16

1,3-Butadiene

Concen: 9.173 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL037246.D

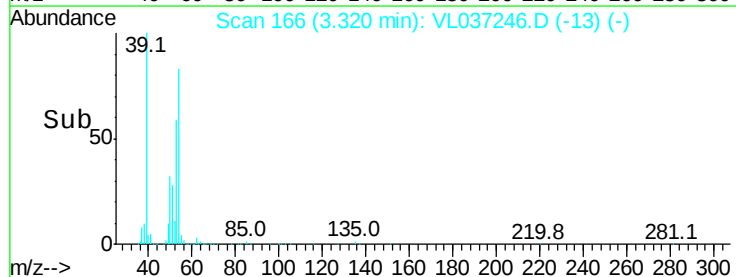
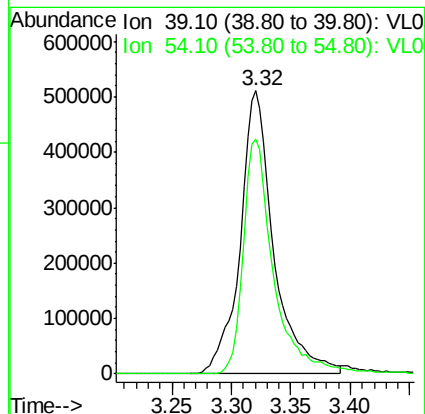
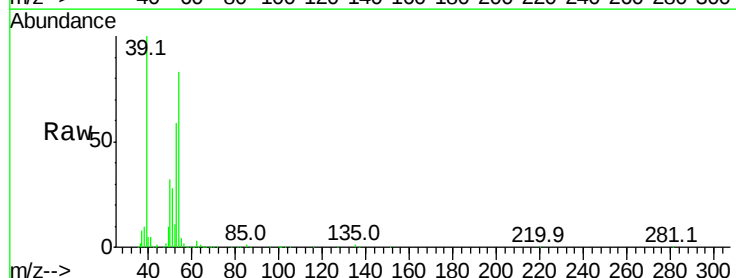
Acq: 29 Jun 2021 12:57

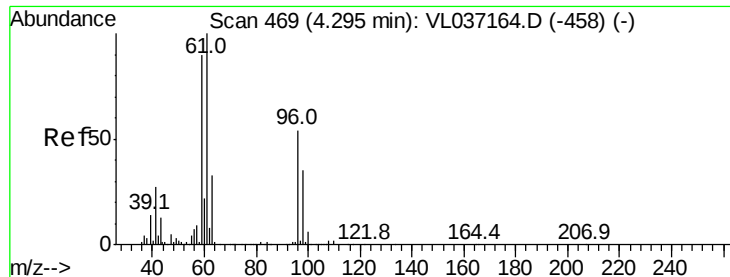
Tgt Ion: 39 Resp: 999953

Ion Ratio Lower Upper

39 100

54 75.5 61.2 91.8



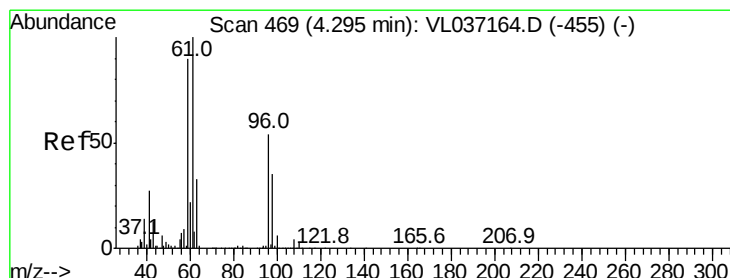
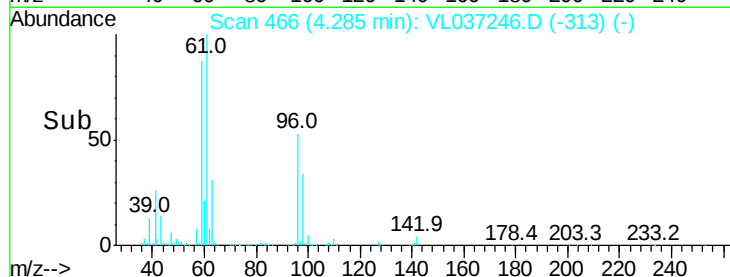
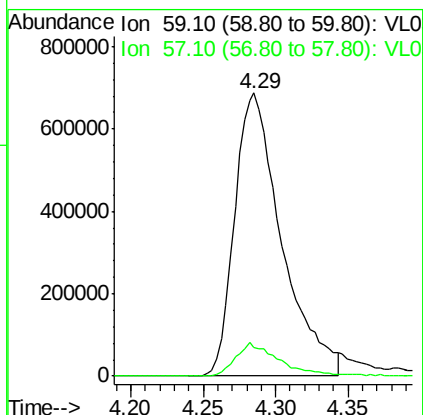
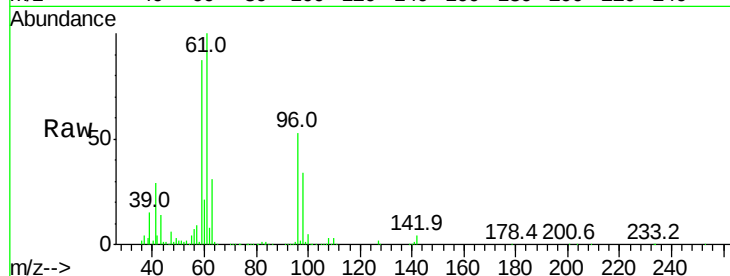


#17

tert-Butyl alcohol
Concen: 9.073 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

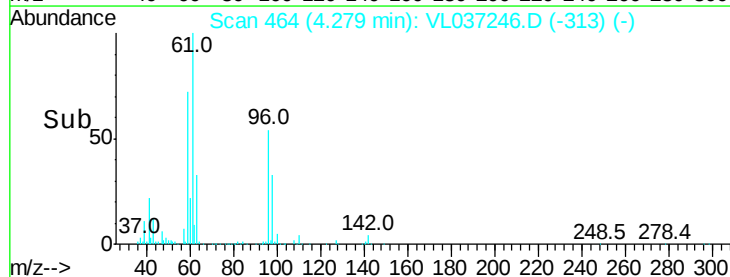
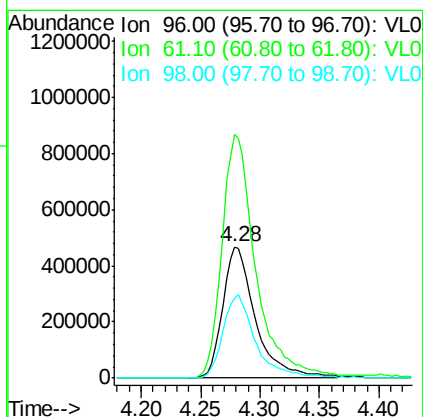
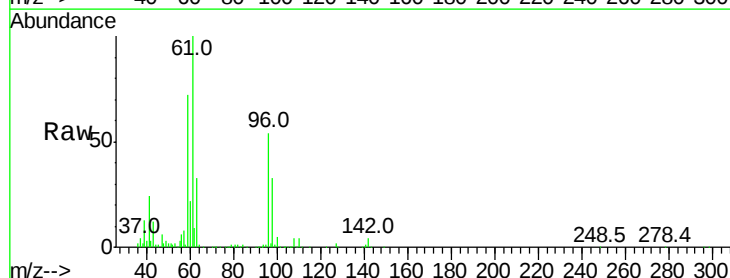
Tgt Ion: 59 Resp: 1546172
Ion Ratio Lower Upper
59 100
57 11.6 8.8 13.2

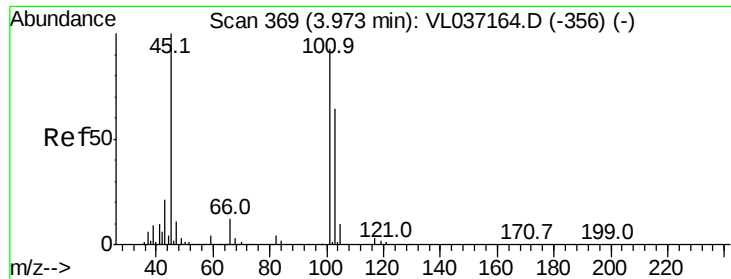


#18

1,1-Dichloroethene
Concen: 9.417 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 96 Resp: 892520
Ion Ratio Lower Upper
96 100
61 185.5 148.6 222.8
98 60.6 51.9 77.9





#19

Isopropyl Alcohol

Concen: 7.666 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

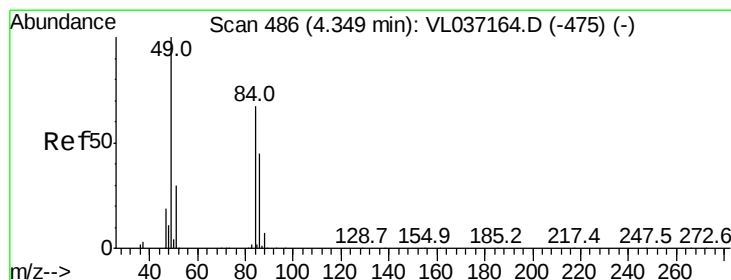
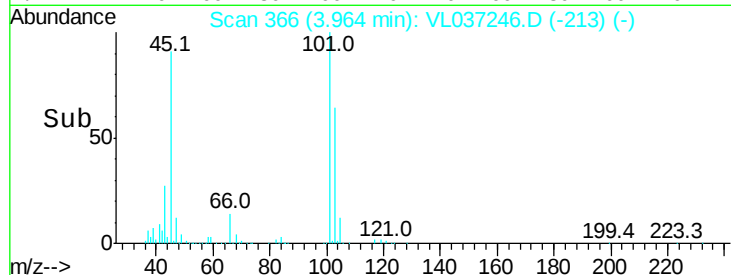
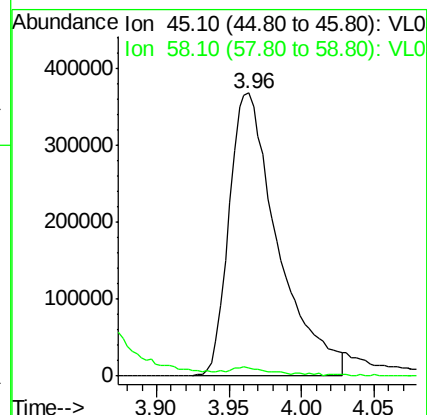
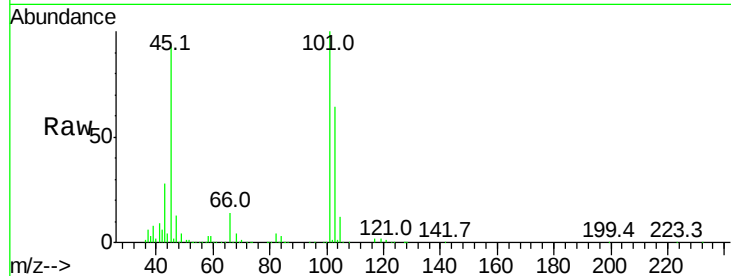
VL0629ABS01

Tgt Ion: 45 Resp: 856184

Ion Ratio Lower Upper

45 100

58 2.4 2.4 3.6#



#20

Methylene Chloride

Concen: 6.840 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Tgt Ion: 84 Resp: 755099

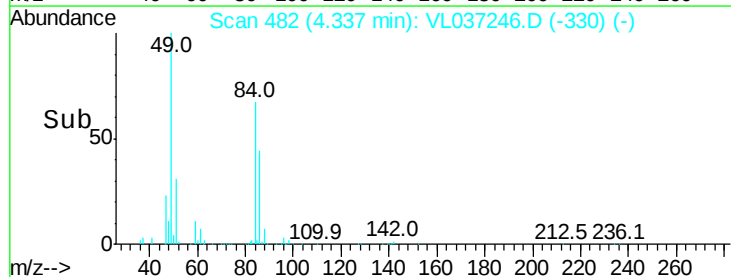
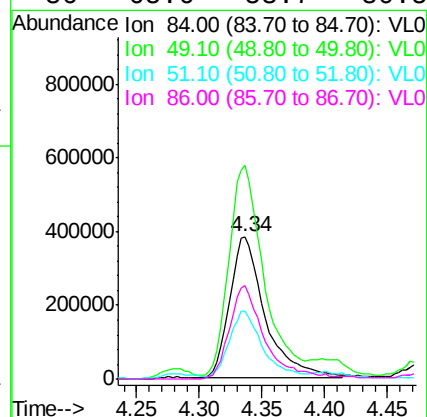
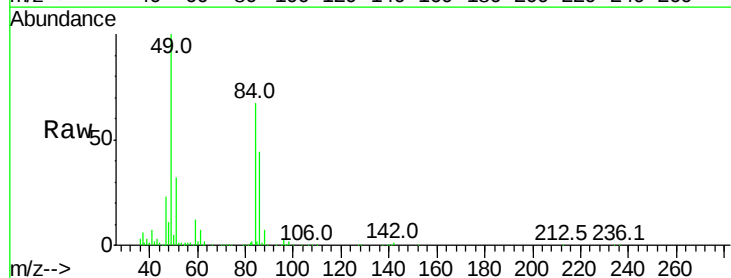
Ion Ratio Lower Upper

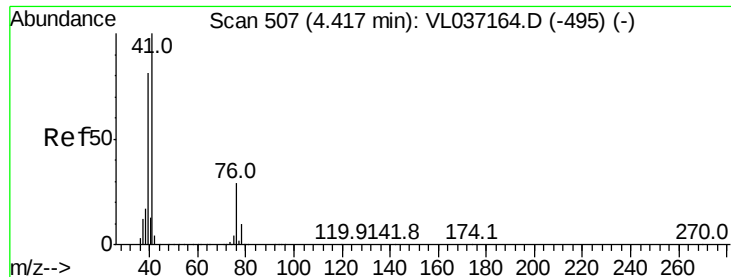
84 100

49 147.5 119.7 179.5

51 44.9 36.1 54.1

86 65.6 53.7 80.5





#21

Allyl Chloride

Concen: 8.697 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

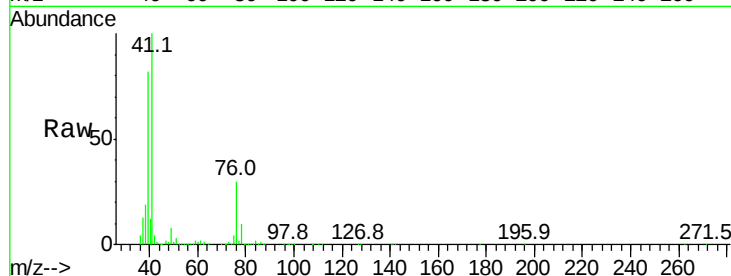
Tgt Ion: 41 Resp: 1208752

Ion Ratio Lower Upper

41 100

76 31.9 24.6 37.0

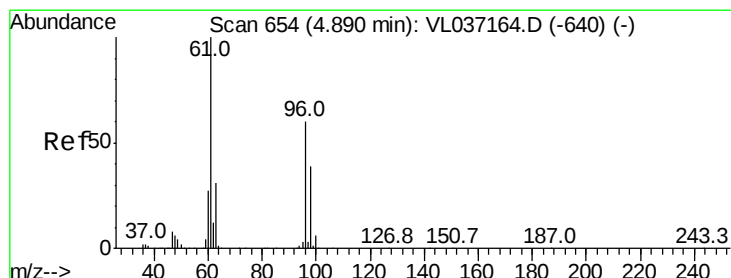
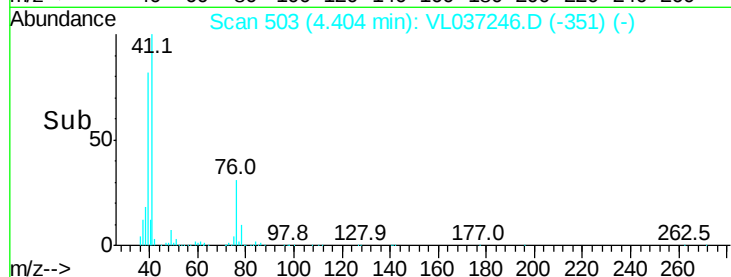
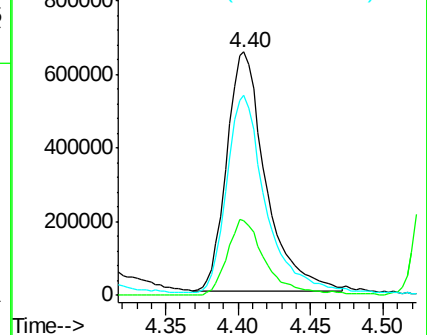
39 85.3 65.4 98.0



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: 9.674 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

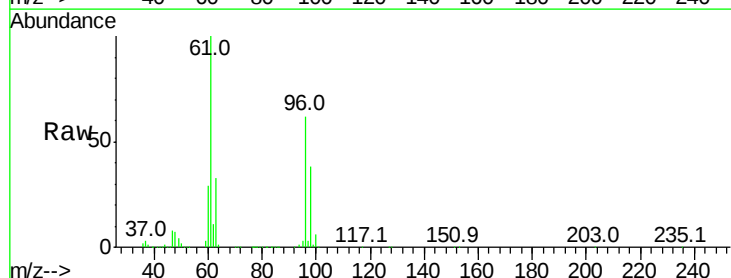
Tgt Ion: 96 Resp: 907344

Ion Ratio Lower Upper

96 100

61 161.2 133.9 200.9

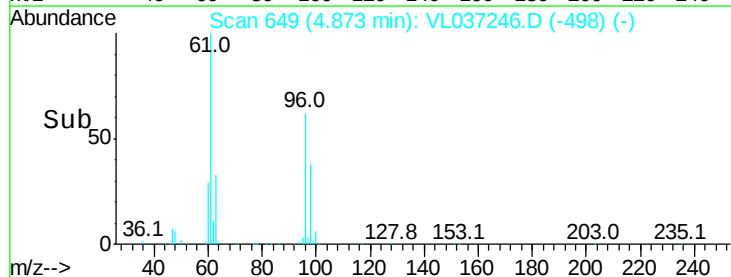
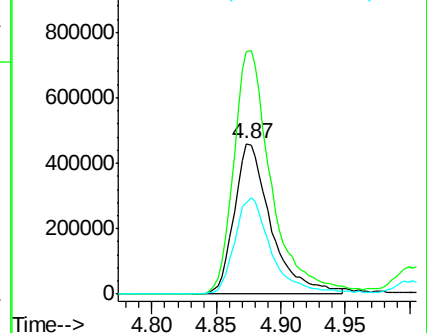
98 60.7 52.9 79.3

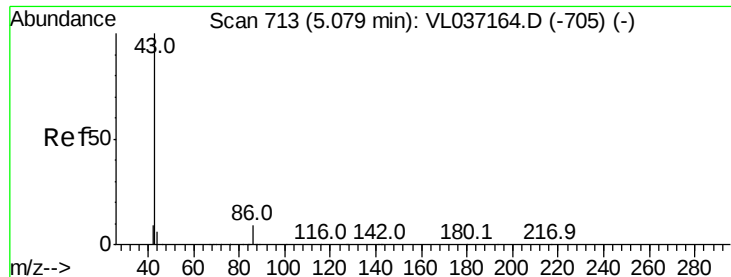


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.135 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tgt Ion: 43 Resp: 2150818

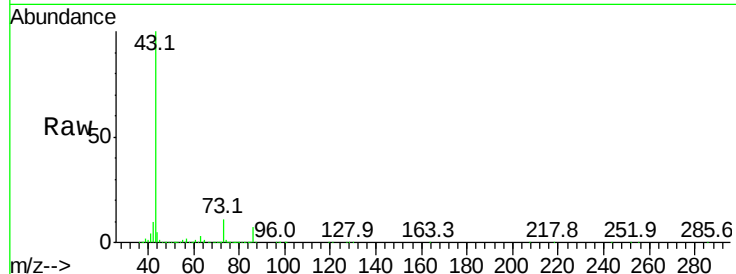
Ion Ratio Lower Upper

43 100

86 6.6 5.8 8.8

42 9.7 8.2 12.2

44 4.9 4.2 6.4

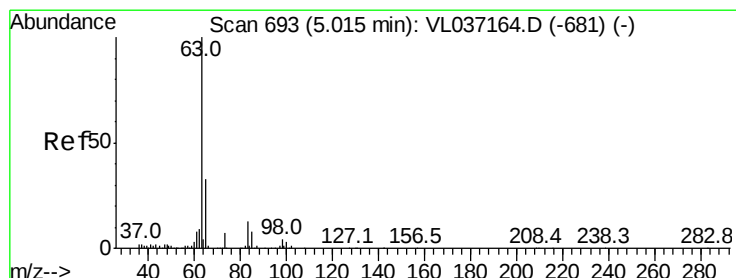
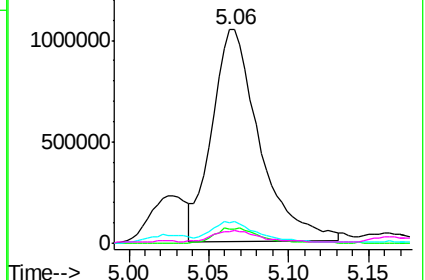
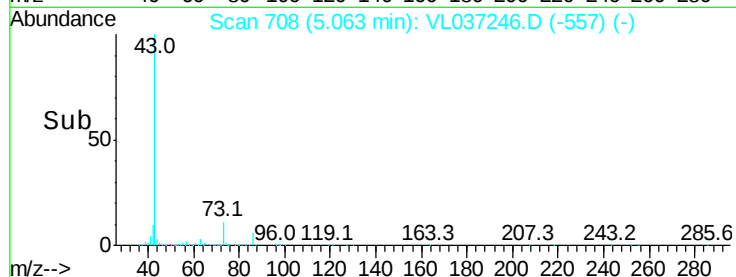


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.609 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

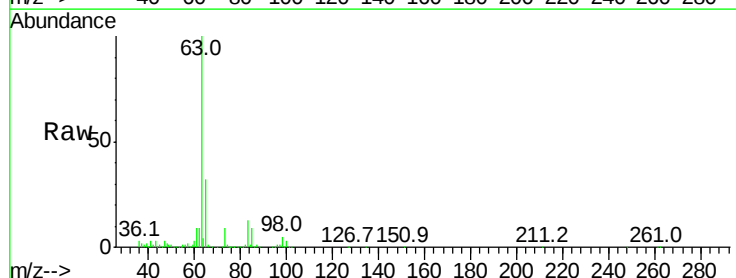
Tgt Ion: 63 Resp: 1832478

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

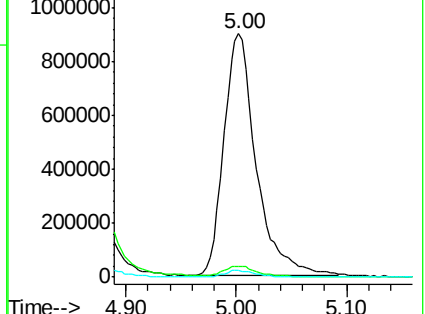
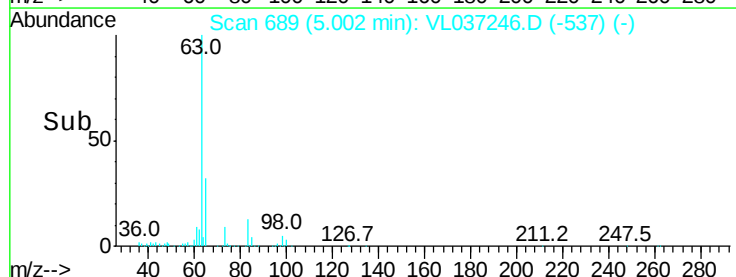
100 2.8 1.4 4.0

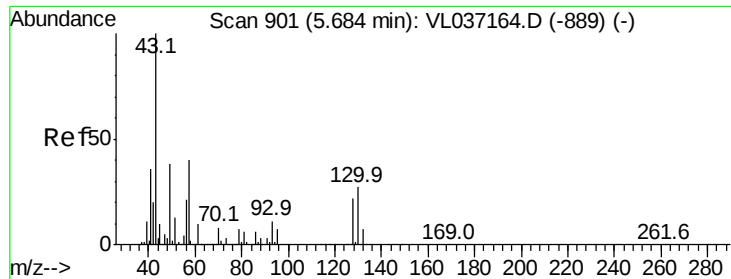


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



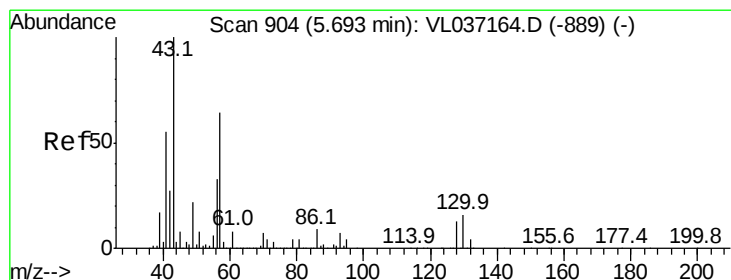
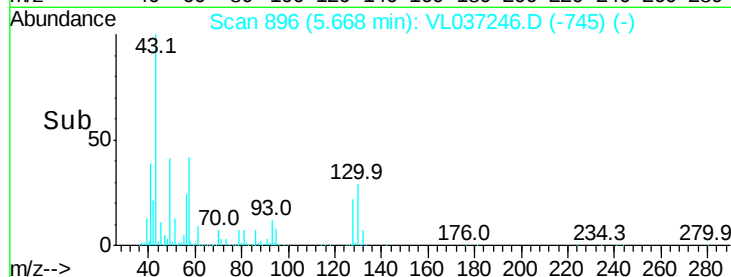
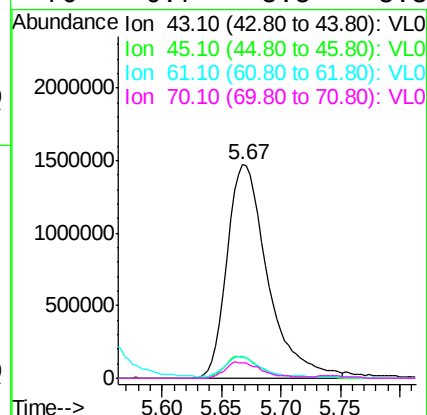
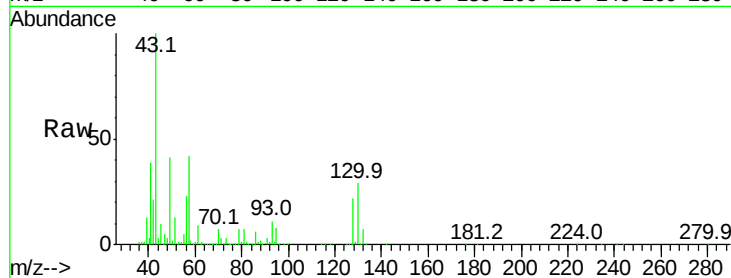


#25
Ethyl Acetate
Concen: 8.706 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 43 Resp: 3475389

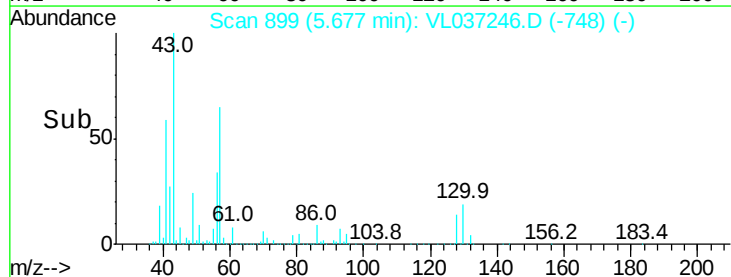
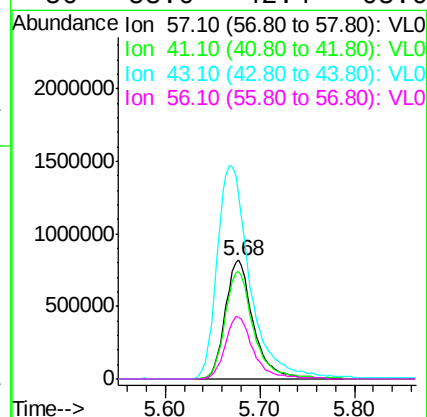
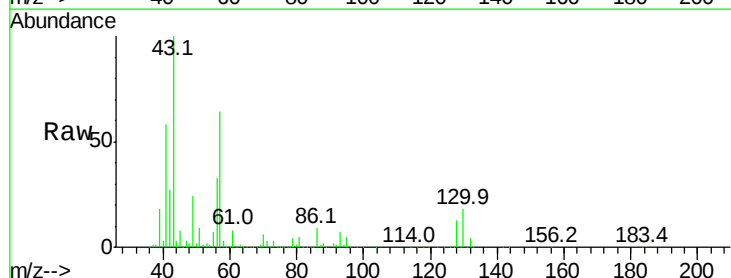
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.6	8.1	12.1
70	6.7	5.5	8.3

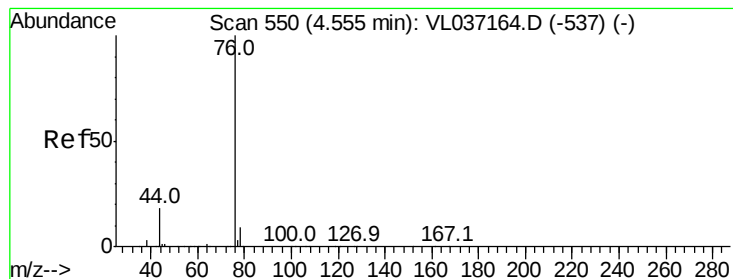


#26
Hexane
Concen: 8.379 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 57 Resp: 1690521

Ion	Ratio	Lower	Upper
57	100		
41	93.5	73.5	110.3
43	210.3	170.7	256.1
56	53.0	42.4	63.6





#27

Carbon Disulfide

Concen: 10.395 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

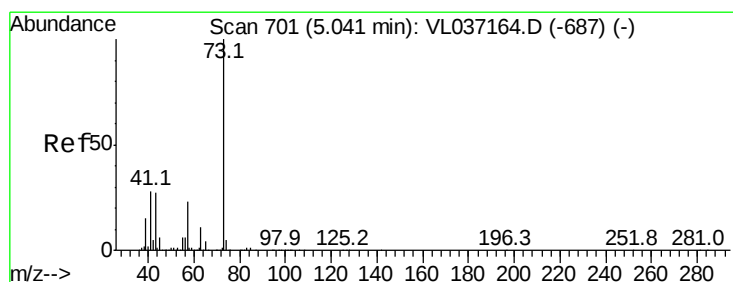
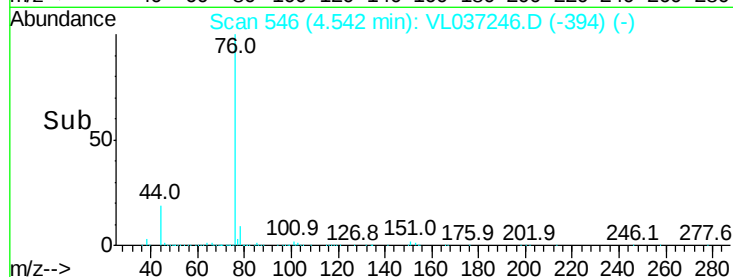
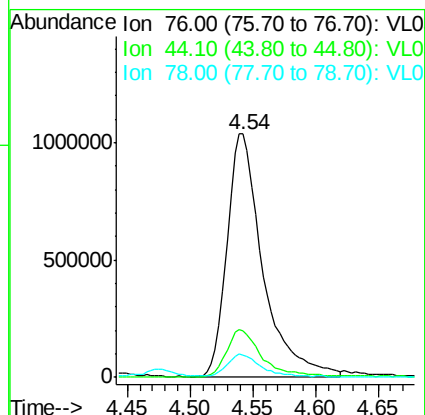
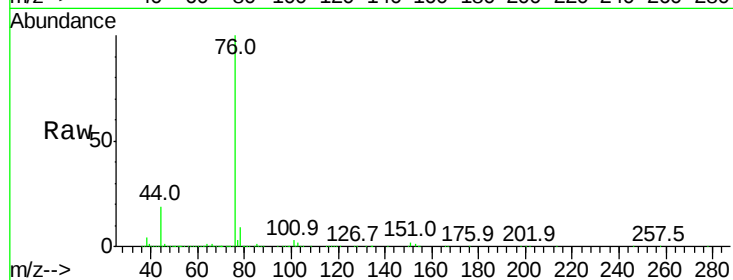
Tgt Ion: 76 Resp: 2054687

Ion Ratio Lower Upper

76 100

44 20.2 15.4 23.2

78 9.6 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 7.983 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL037246.D

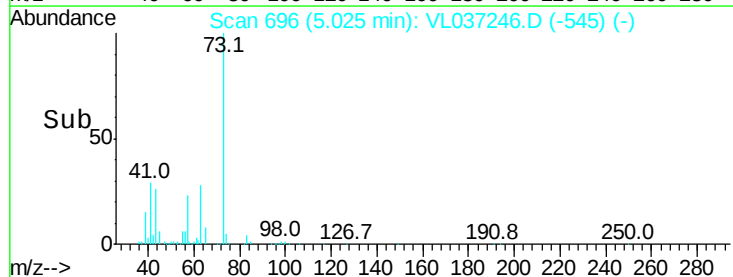
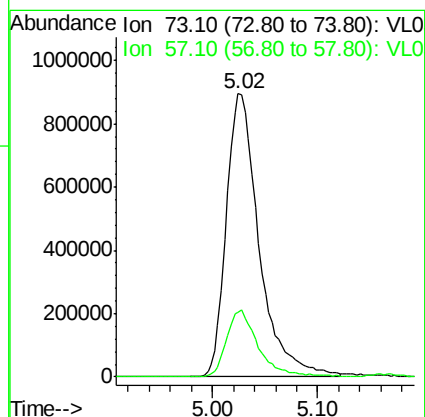
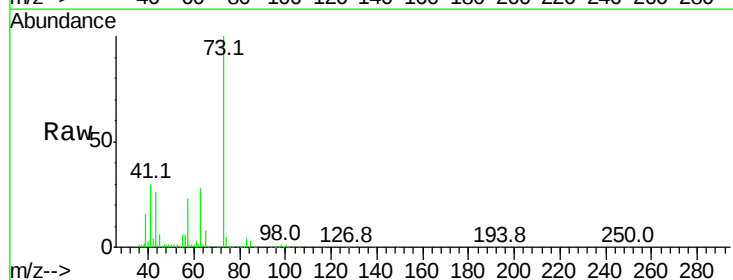
Acq: 29 Jun 2021 12:57

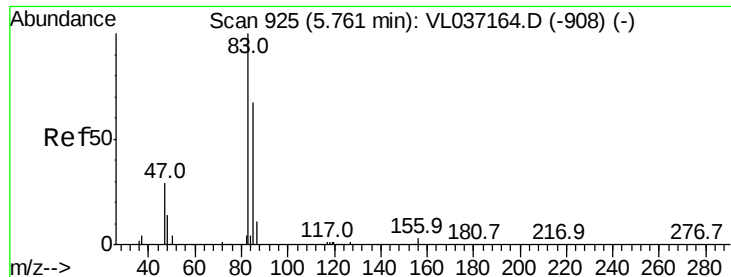
Tgt Ion: 73 Resp: 1936322

Ion Ratio Lower Upper

73 100

57 22.7 18.0 27.0





#29

Chloroform

Concen: 8.911 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

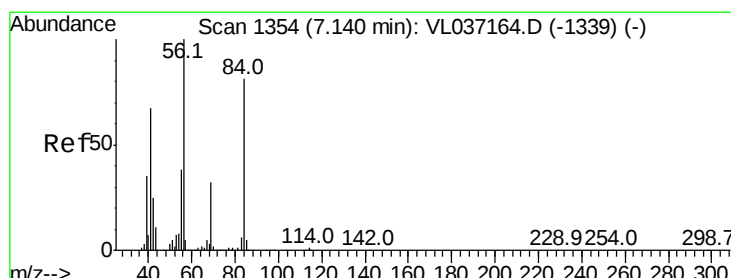
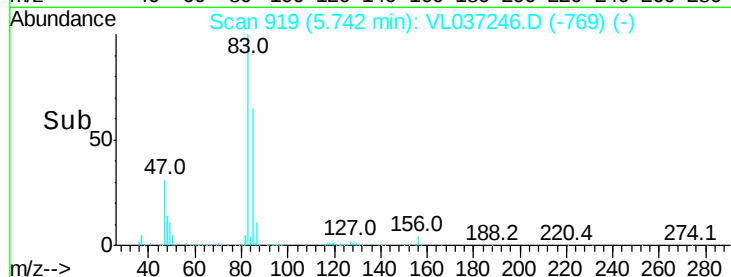
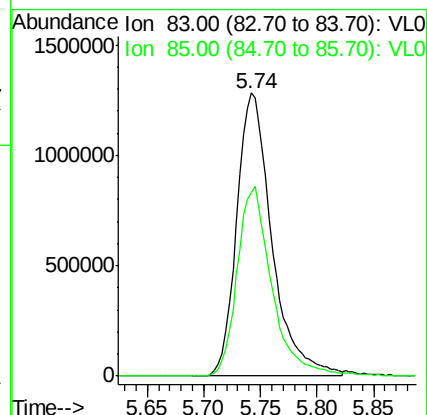
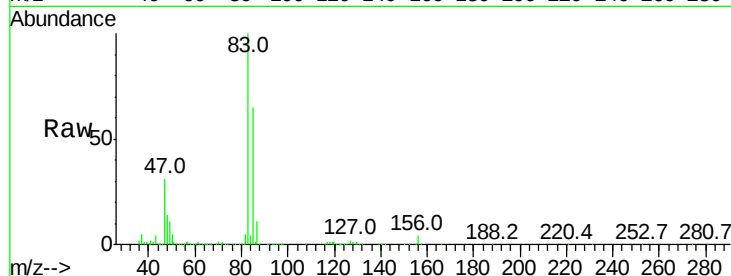
VL0629ABS01

Tgt Ion: 83 Resp: 2777155

Ion Ratio Lower Upper

83 100

85 64.7 53.6 80.4



#30

Cyclohexane

Concen: 8.752 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

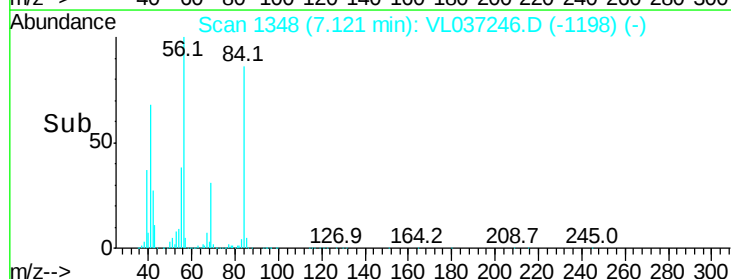
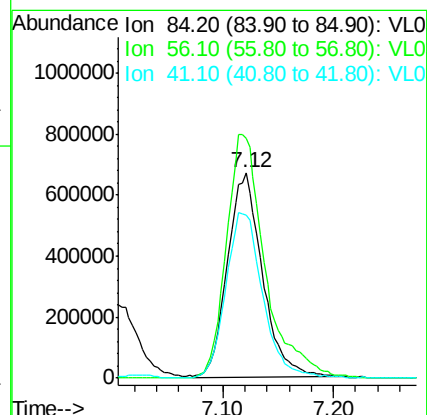
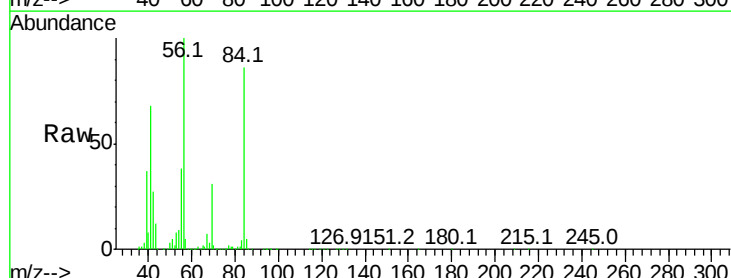
Tgt Ion: 84 Resp: 1471135

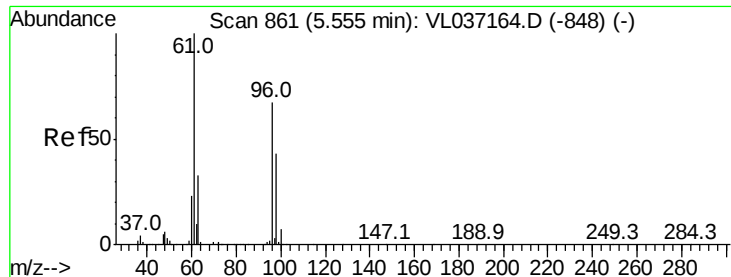
Ion Ratio Lower Upper

84 100

56 133.0 107.7 161.5

41 85.2 69.0 103.6





#31

cis-1,2-Dichloroethene

Concen: 8.891 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

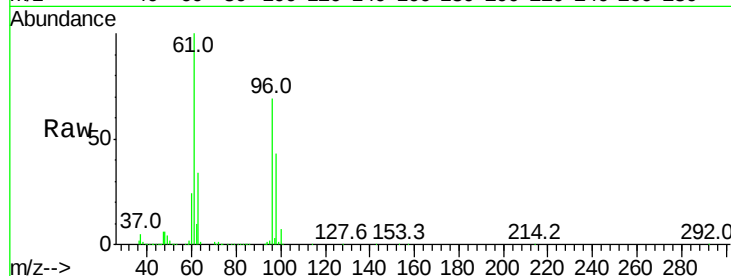
Tgt Ion: 61 Resp: 1648321

Ion Ratio Lower Upper

61 100

96 68.5 53.6 80.4

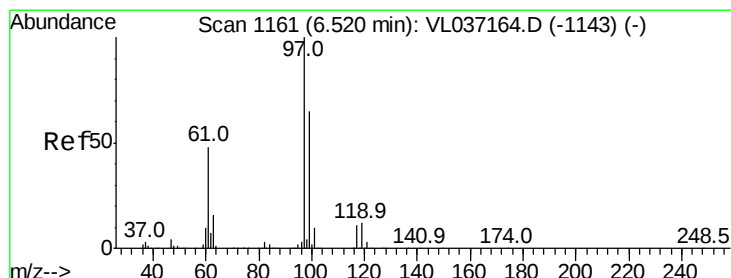
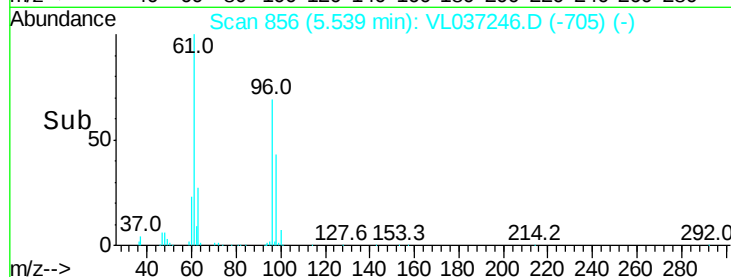
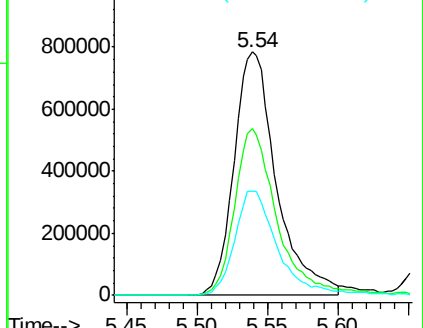
98 42.9 34.7 52.1



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.776 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

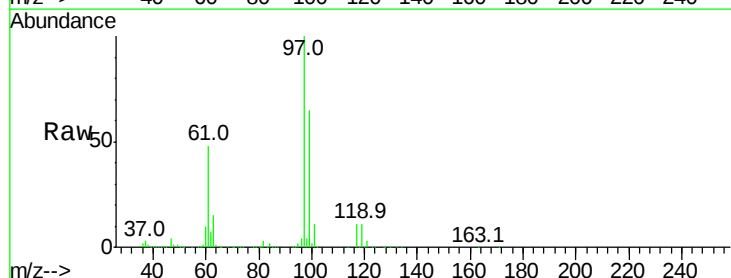
Tgt Ion: 97 Resp: 2926756

Ion Ratio Lower Upper

97 100

99 65.4 52.2 78.4

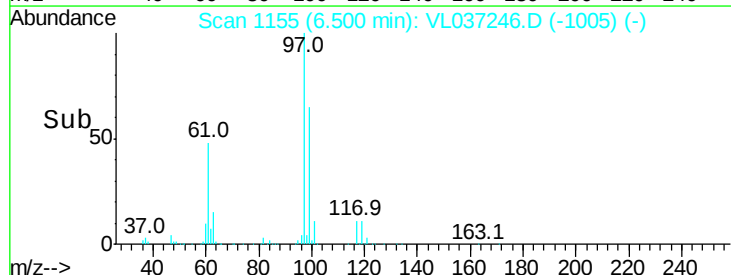
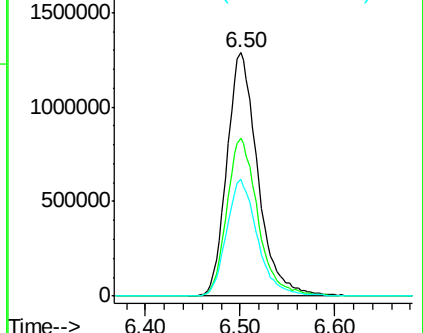
61 48.4 38.8 58.2

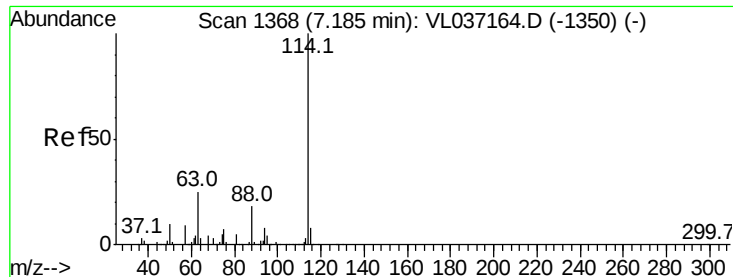


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.02 min

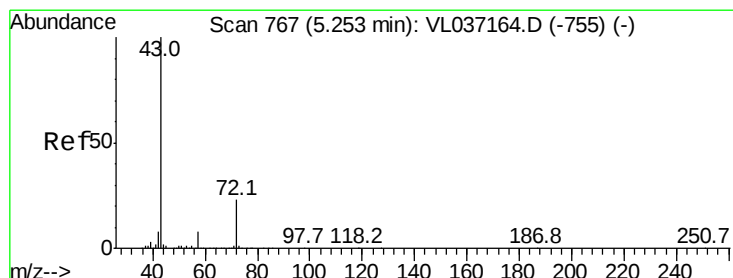
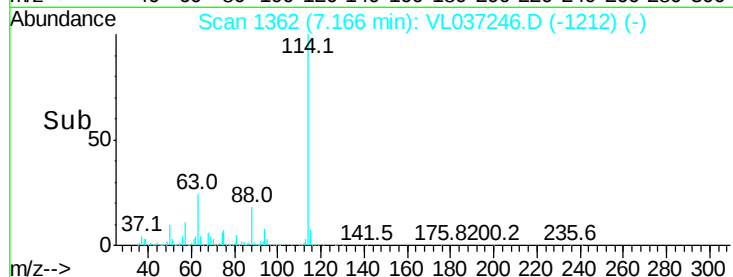
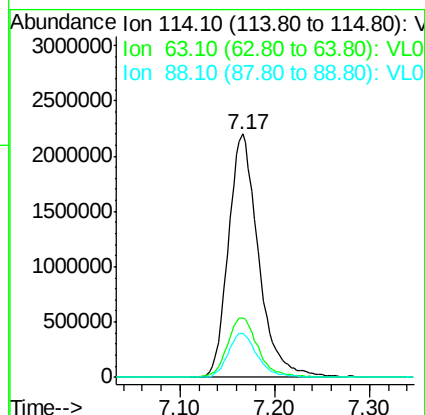
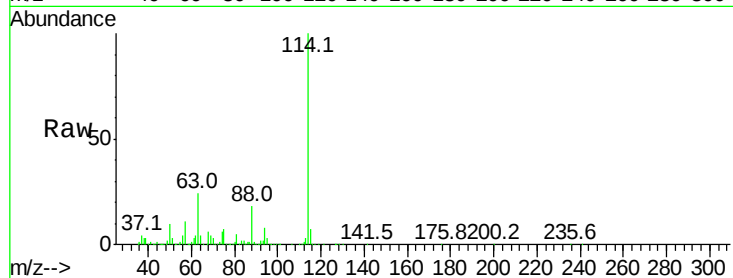
Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:114 Resp: 4871181

Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.6	29.4
88	17.9	14.2	21.2



#34

2-Butanone

Concen: 8.477 ppbv

RT: 5.24 min Scan# 762

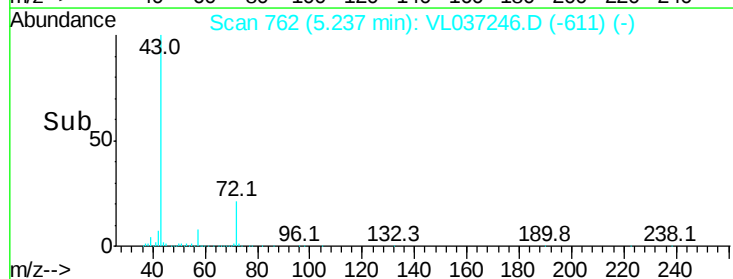
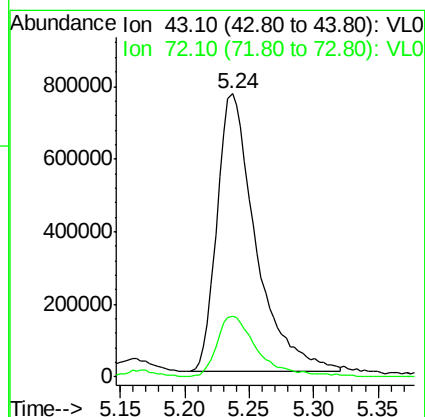
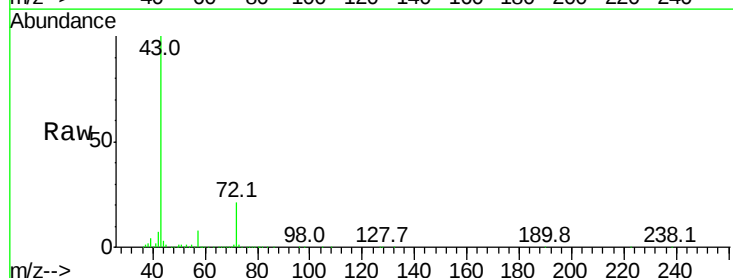
Delta R.T. -0.02 min

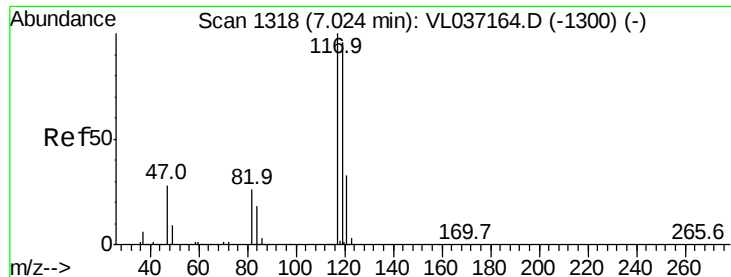
Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Tgt Ion: 43 Resp: 1605990

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.9	28.3





#35

Carbon Tetrachloride

Concen: 9.635 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

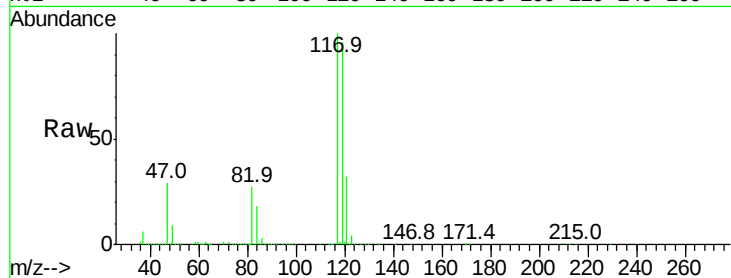
Tgt Ion:117 Resp: 3147953

Ion Ratio Lower Upper

117 100

119 96.1 76.6 114.8

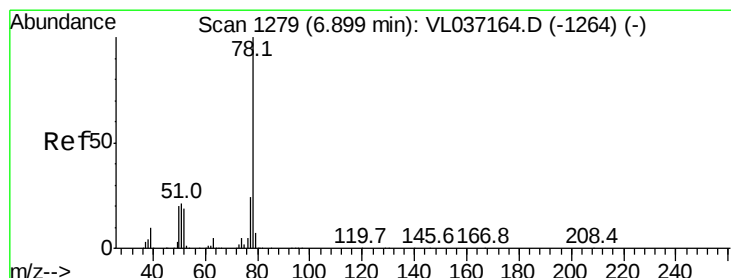
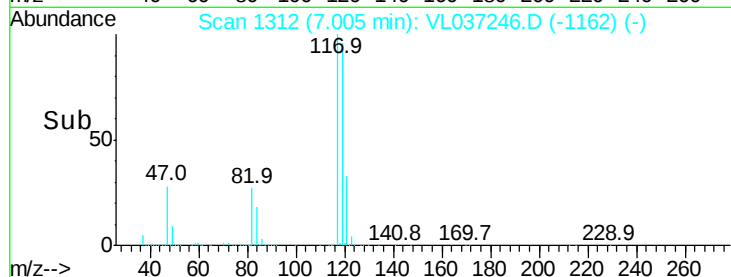
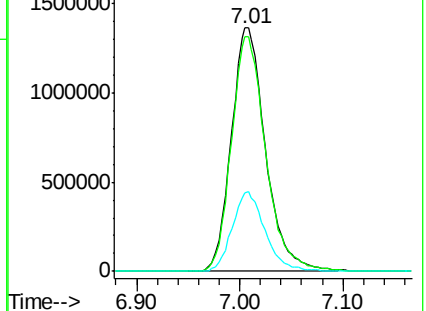
121 32.3 26.4 39.6



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: 8.763 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

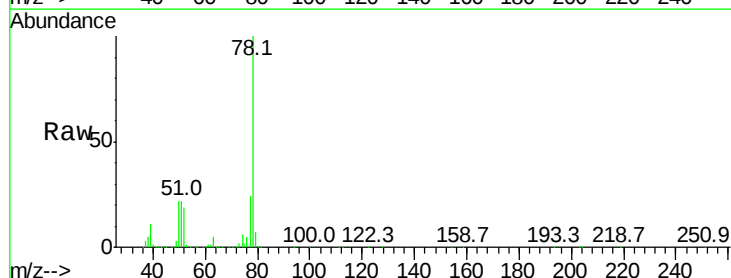
Tgt Ion: 78 Resp: 3451533

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.6

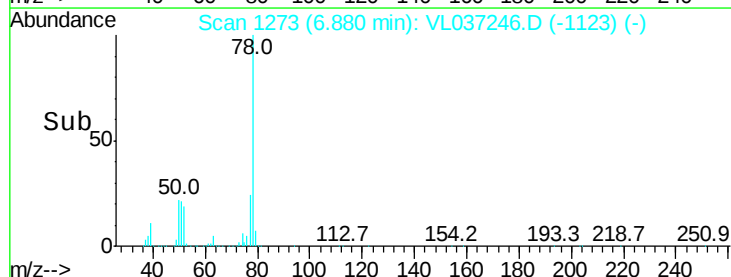
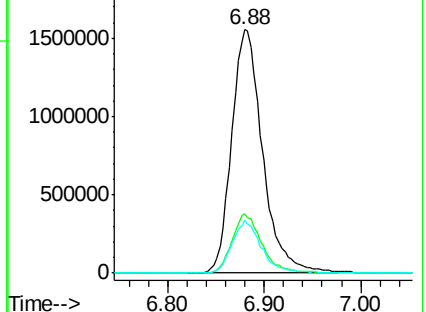
50 21.7 15.7 23.5

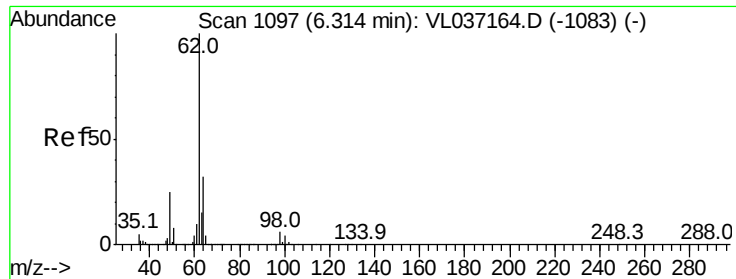


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

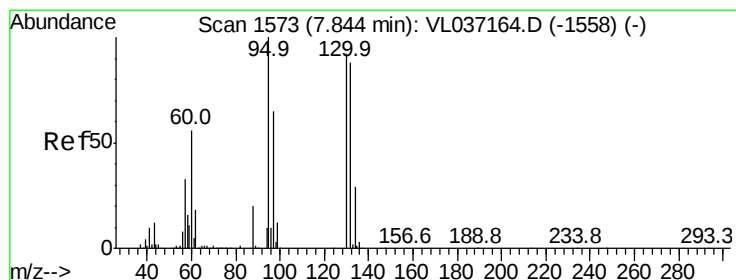
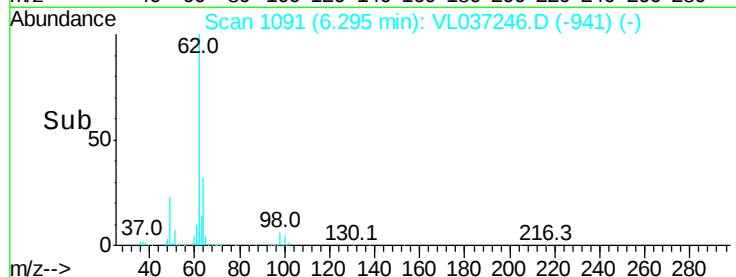
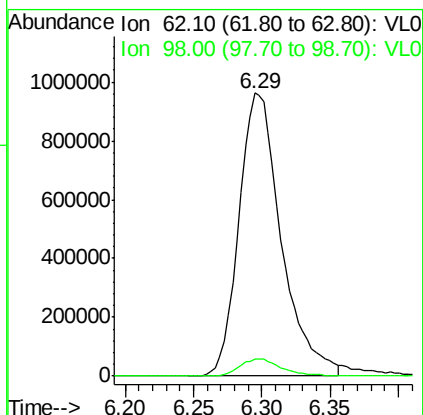
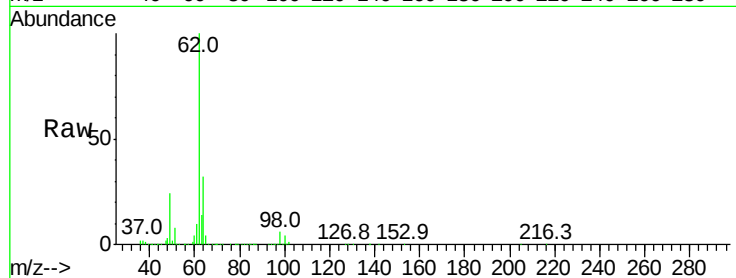




#37
 1,2-Dichloroethane
 Concen: 9.052 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

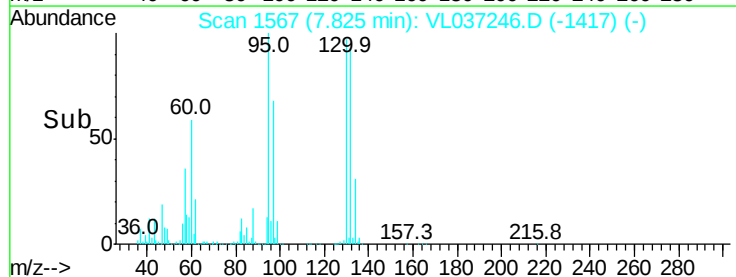
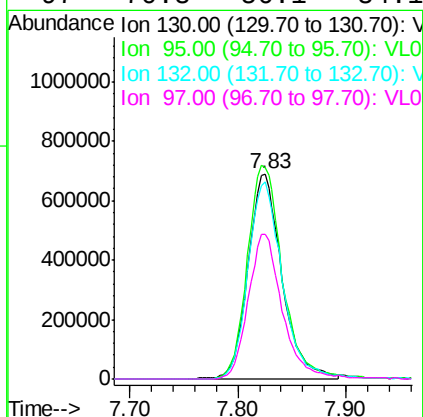
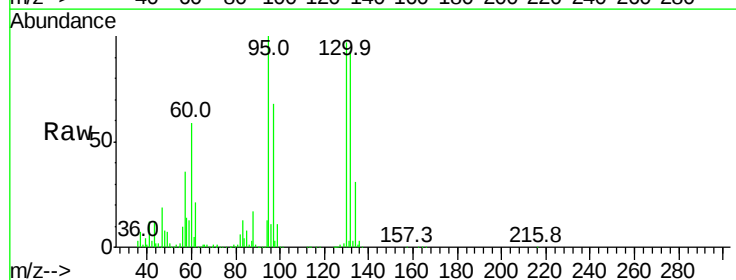
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

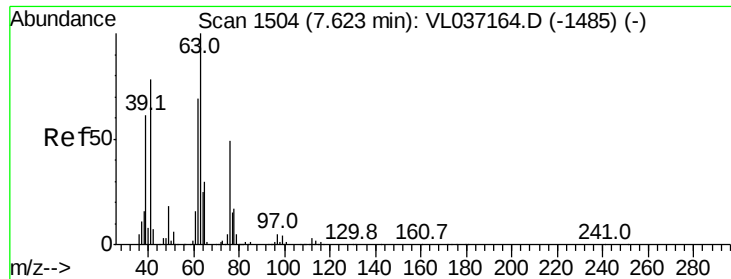
Tgt Ion: 62 Resp: 2071216
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.0 7.6



#38
 Trichloroethene
 Concen: 8.014 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion: 130 Resp: 1500526
 Ion Ratio Lower Upper
 130 100
 95 103.4 86.6 129.8
 132 96.0 76.6 114.8
 97 70.8 56.1 84.1





#39

1,2-Dichloropropane

Concen: 8.984 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

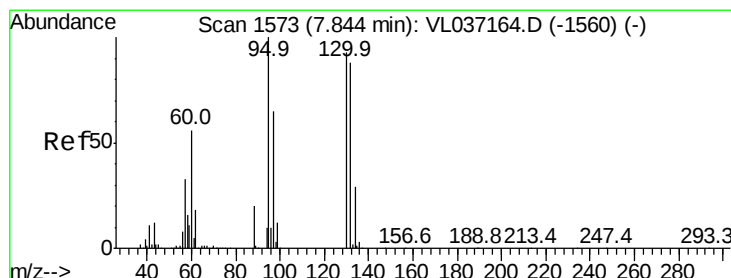
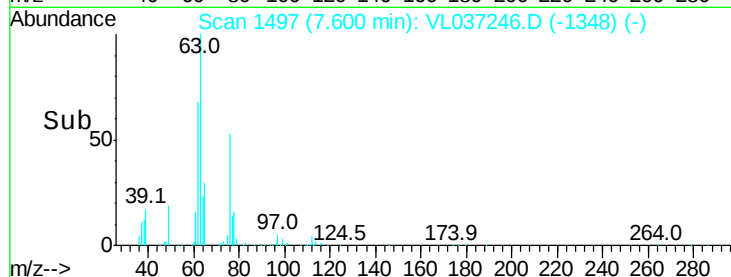
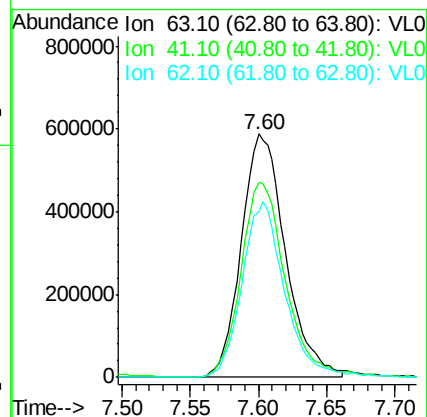
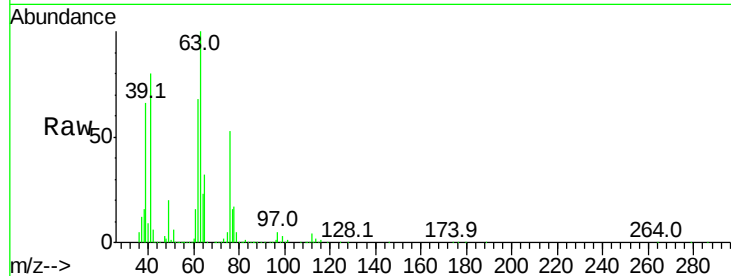
Tgt Ion: 63 Resp: 1315023

Ion Ratio Lower Upper

63 100

41 80.0 62.0 93.0

62 67.9 54.9 82.3



#40

1,4-Dioxane

Concen: 7.368 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Tgt Ion: 88 Resp: 295734

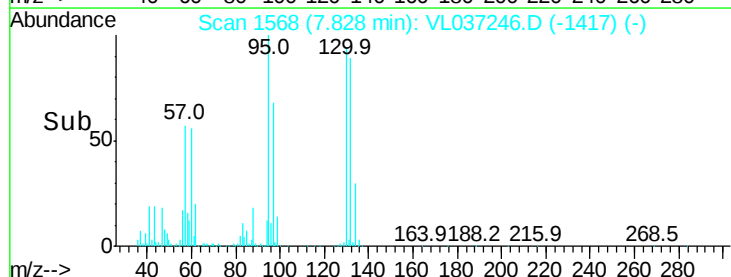
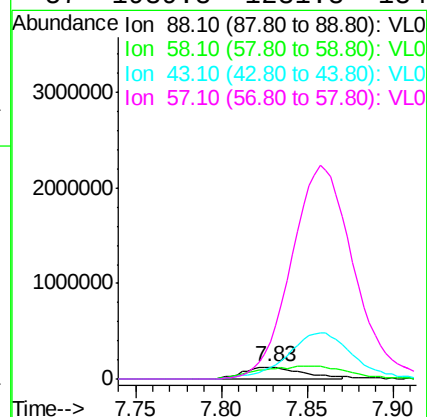
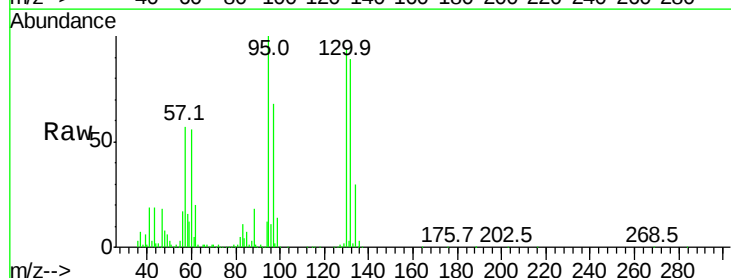
Ion Ratio Lower Upper

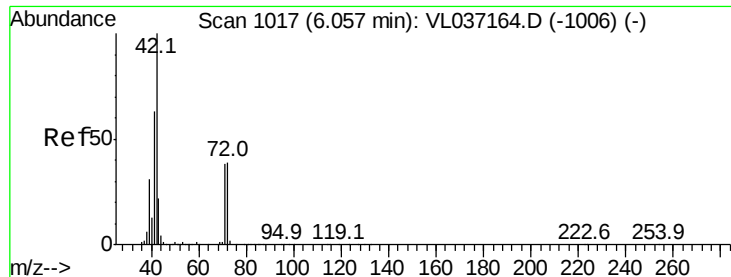
88 100

58 169.2 118.4 177.6

43 448.3 284.0 426.0#

57 1939.8 1231.8 1847.6#





#41

Tetrahydrofuran

Concen: 9.126 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

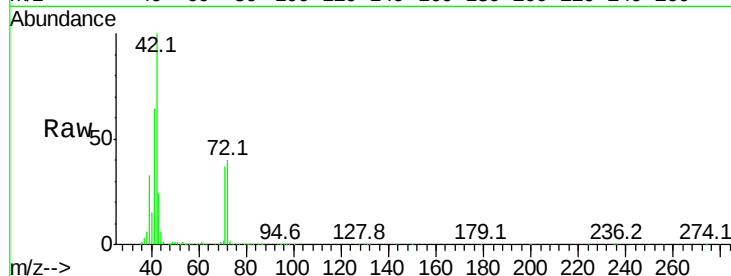
Tgt Ion: 42 Resp: 803073

Ion Ratio Lower Upper

42 100

72 39.8 33.0 49.4

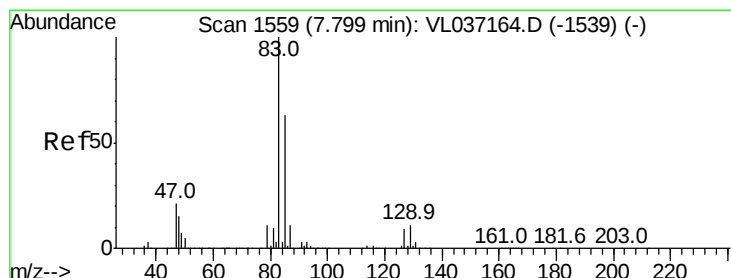
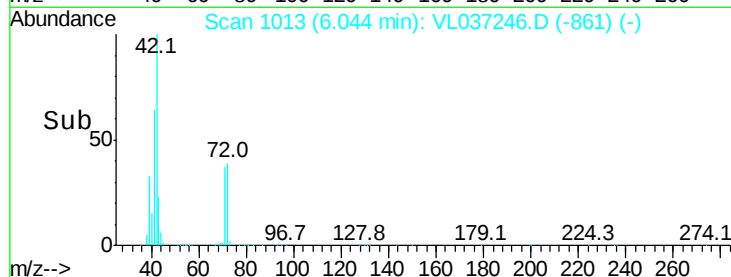
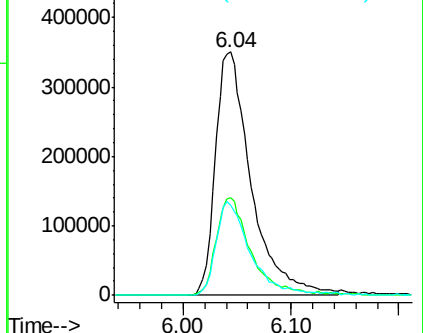
71 37.8 31.0 46.6



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: 9.376 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

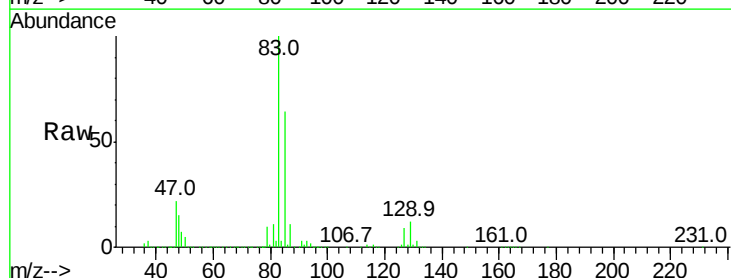
Tgt Ion: 83 Resp: 2959639

Ion Ratio Lower Upper

83 100

85 64.0 50.8 76.2

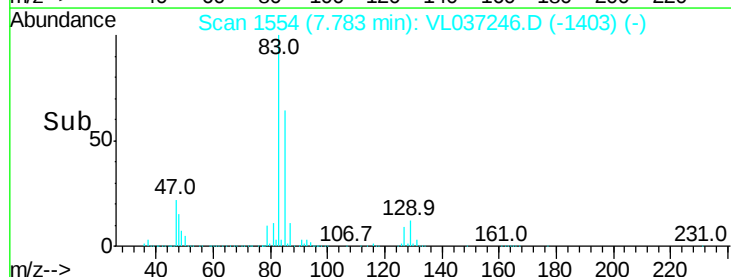
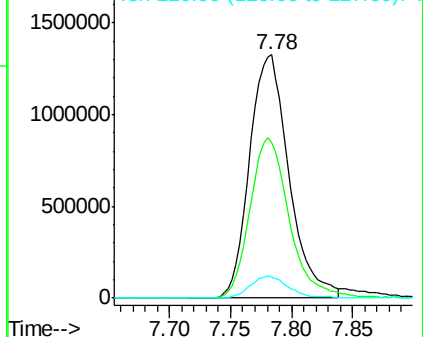
127 8.8 7.0 10.6

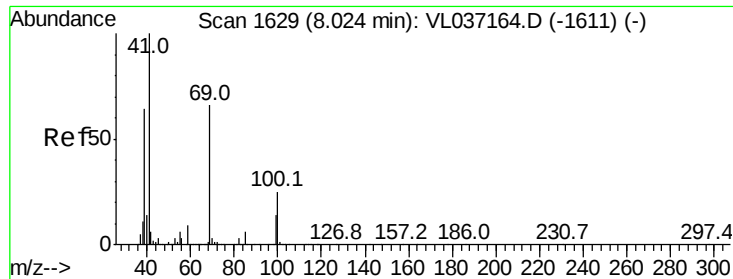


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

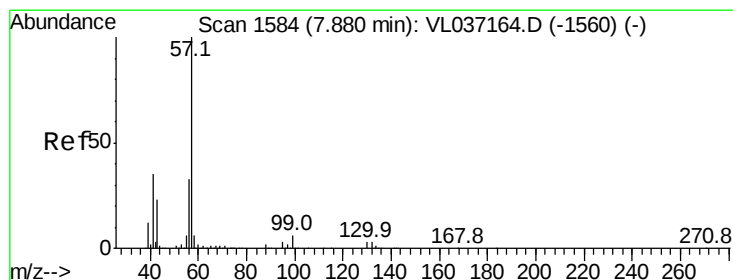
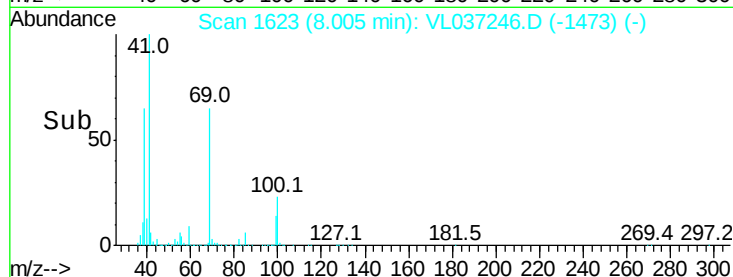
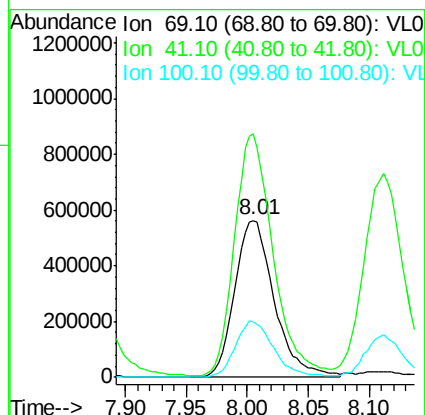
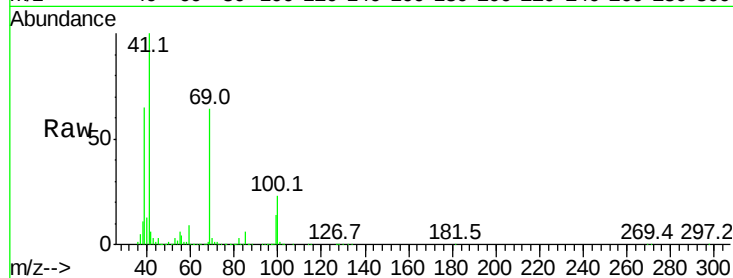




#43
Methyl Methacrylate
Concen: 9.289 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

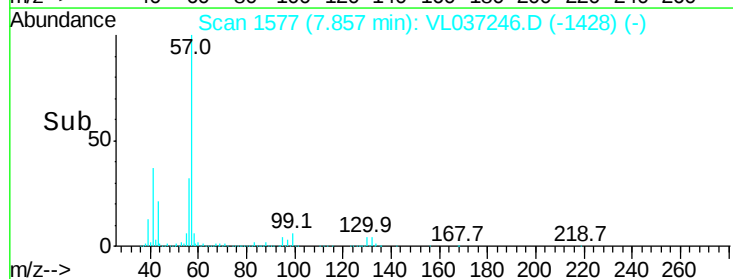
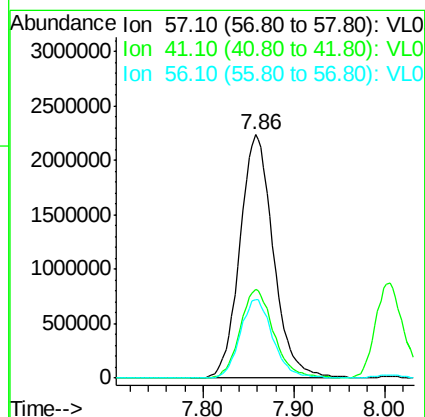
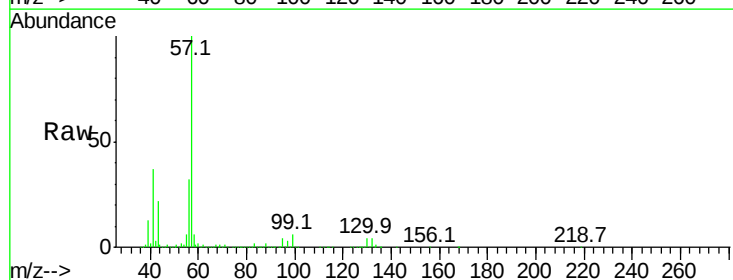
Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

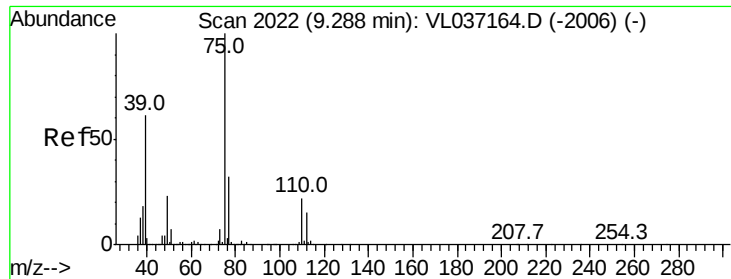
Tgt Ion: 69 Resp: 1263656
Ion Ratio Lower Upper
69 100
41 151.7 119.4 179.0
100 35.1 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 8.628 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 57 Resp: 5723086
Ion Ratio Lower Upper
57 100
41 36.6 27.6 41.4
56 31.8 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 7.780 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

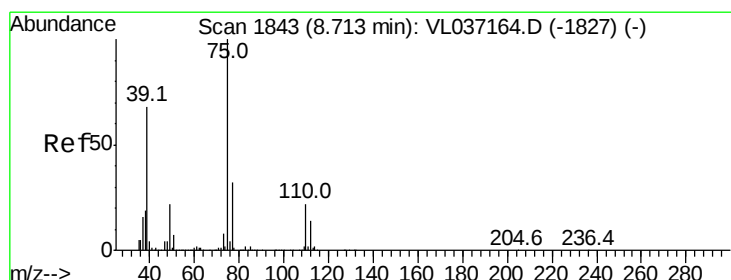
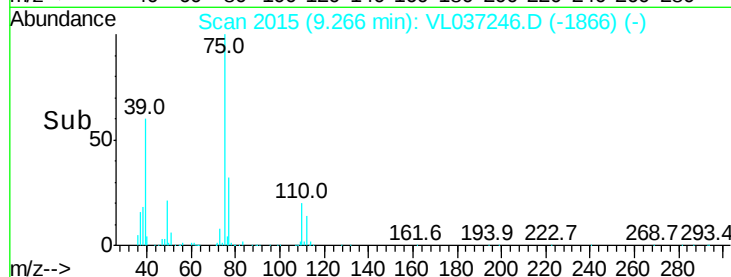
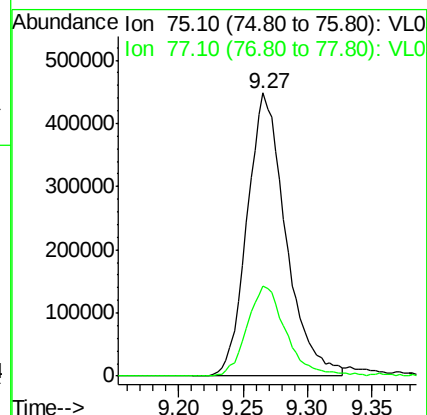
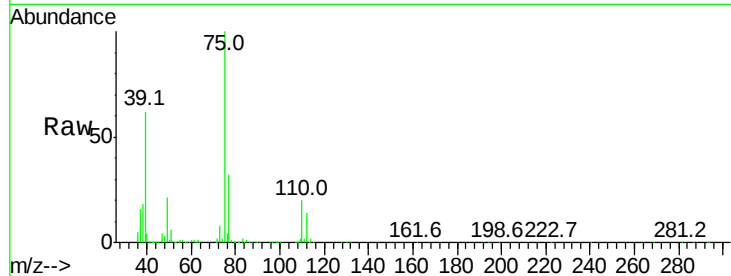
VL0629ABS01

Tgt Ion: 75 Resp: 933785

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 7.288 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

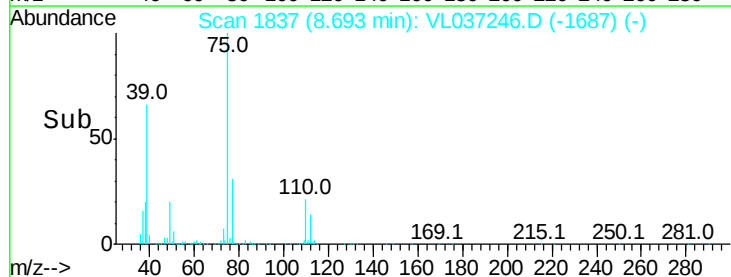
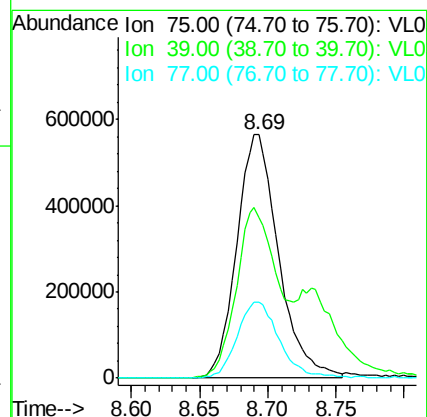
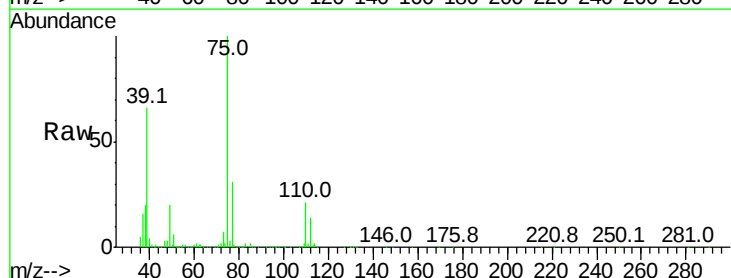
Tgt Ion: 75 Resp: 1196567

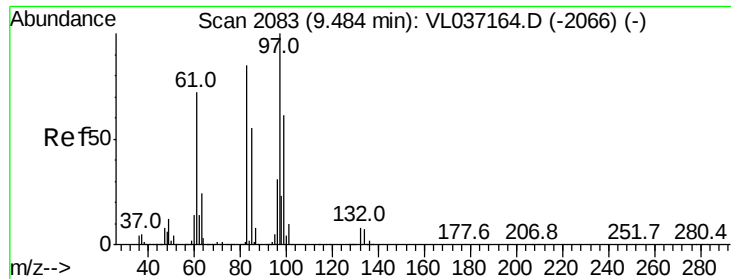
Ion Ratio Lower Upper

75 100

39 66.0 54.7 82.1

77 31.2 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 8.950 ppbv

RT: 9.46 min Scan# 2077

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tgt Ion: 97 Resp: 1494500

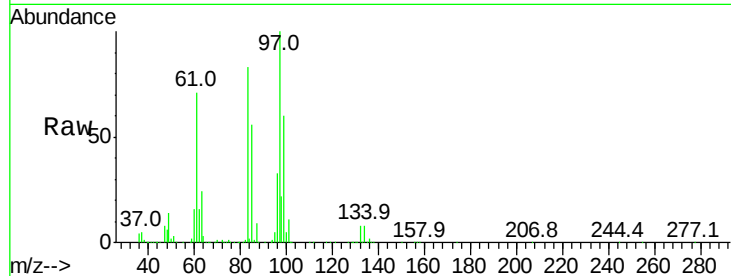
Ion Ratio Lower Upper

97 100

83 82.9 68.3 102.5

85 55.6 44.1 66.1

99 60.5 48.6 72.8

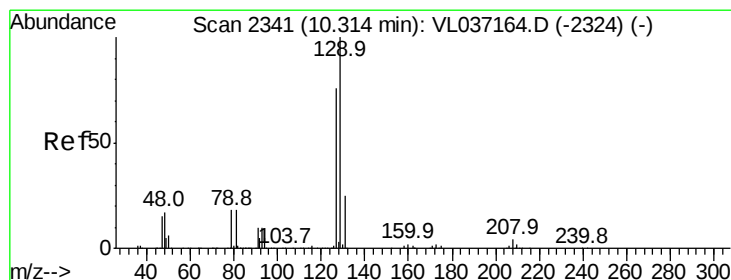
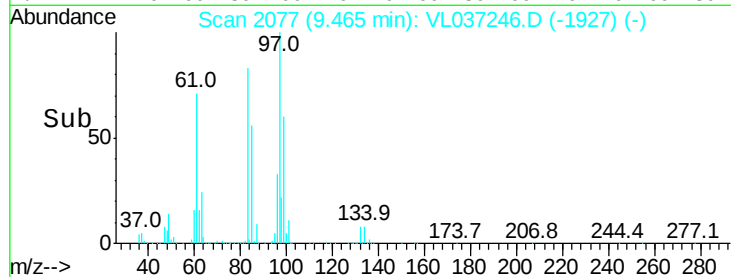
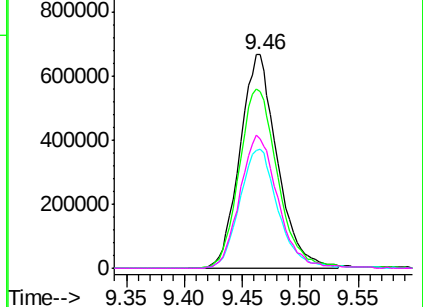


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.337 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. -0.02 min

Lab File: VL037246.D

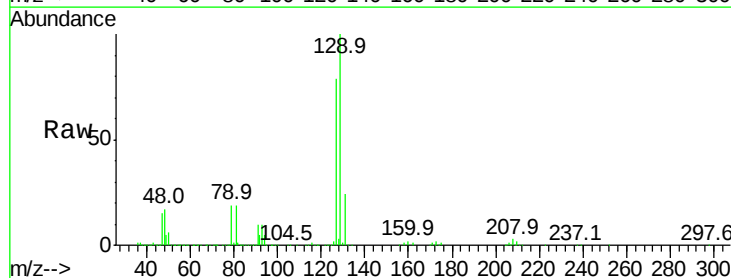
Acq: 29 Jun 2021 12:57

Tgt Ion: 129 Resp: 2724793

Ion Ratio Lower Upper

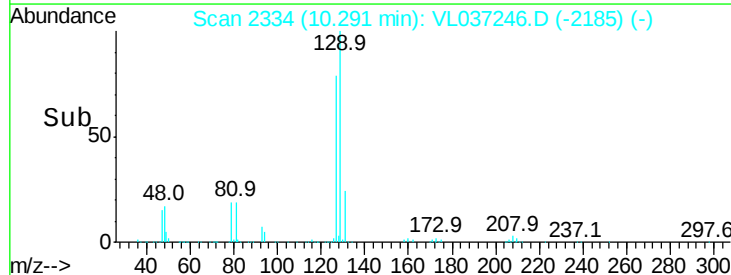
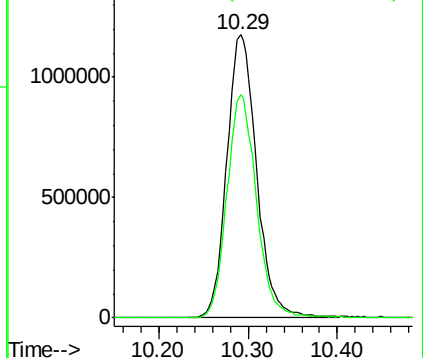
129 100

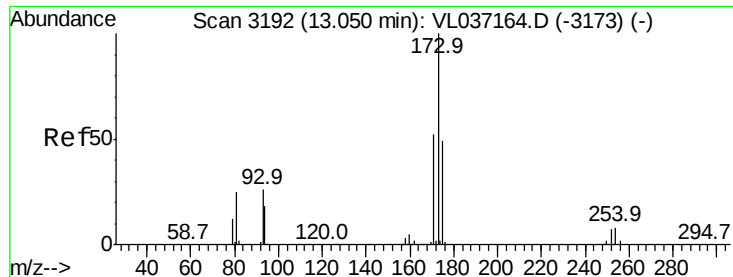
127 78.9 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.152 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

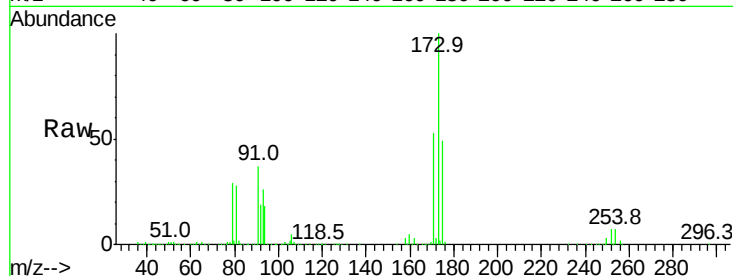
Tgt Ion:173 Resp: 2190119

Ion Ratio Lower Upper

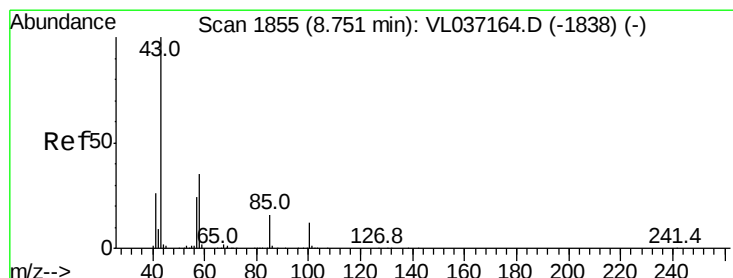
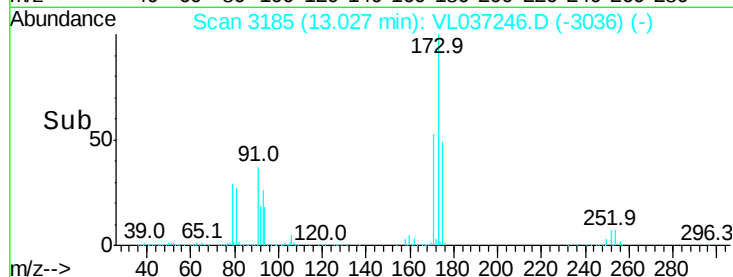
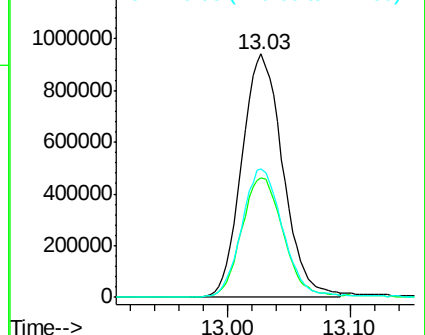
173 100

175 51.1 40.2 60.4

171 53.5 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: 9.584 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.02 min

Lab File: VL037246.D

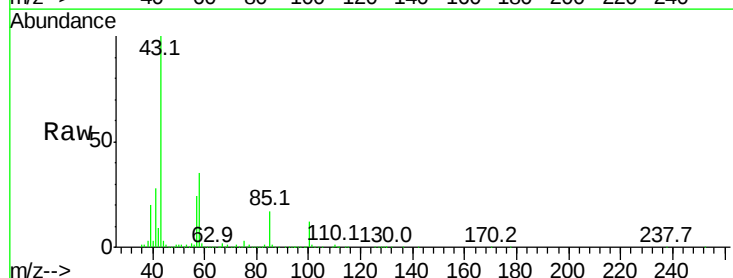
Acq: 29 Jun 2021 12:57

Tgt Ion: 43 Resp: 2493980

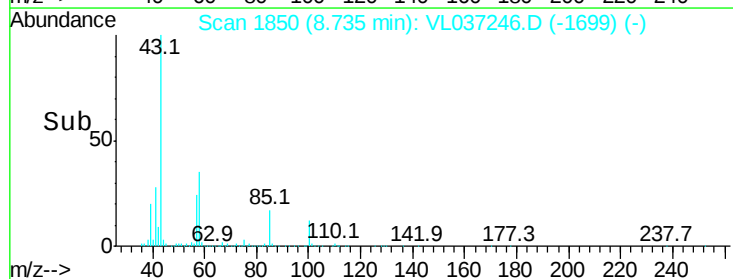
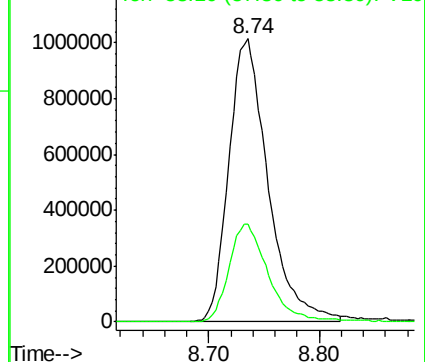
Ion Ratio Lower Upper

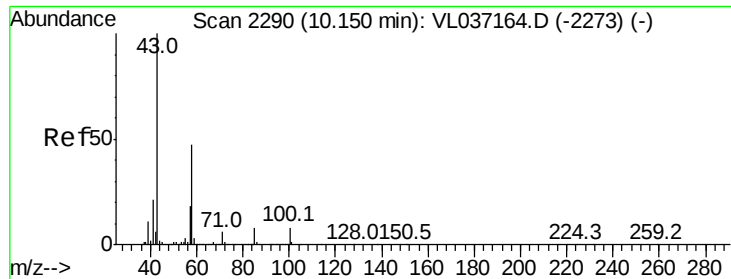
43 100

58 34.9 28.4 42.6



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

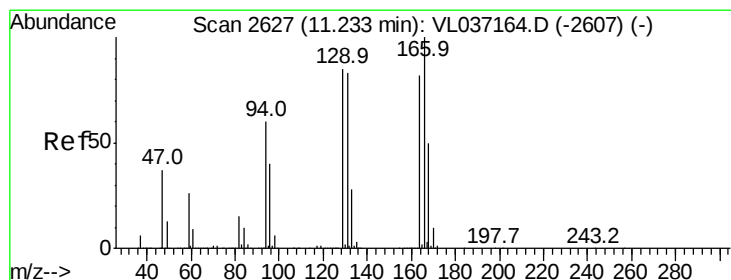
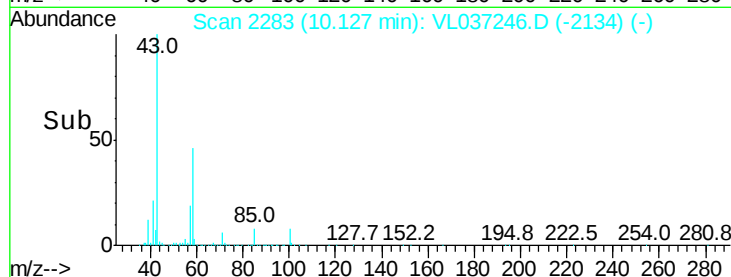
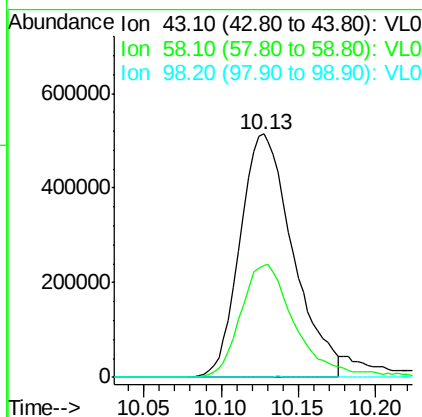
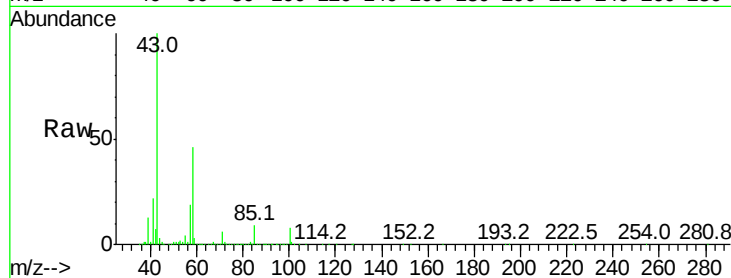




#51
2-Hexanone
Concen: 9.633 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

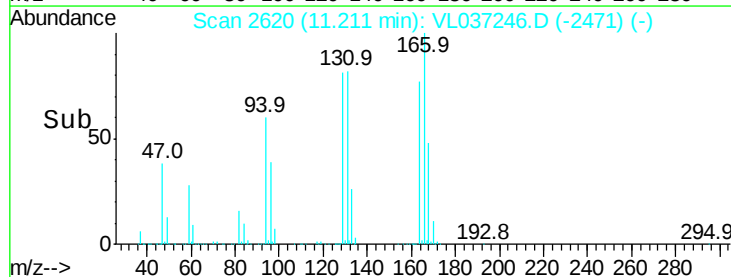
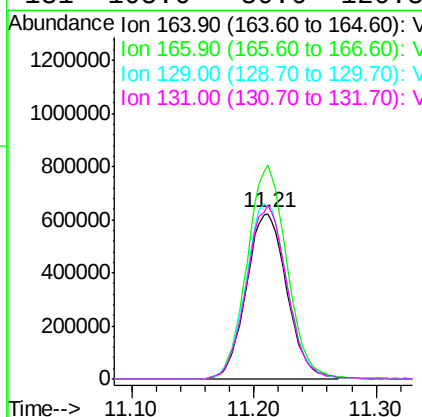
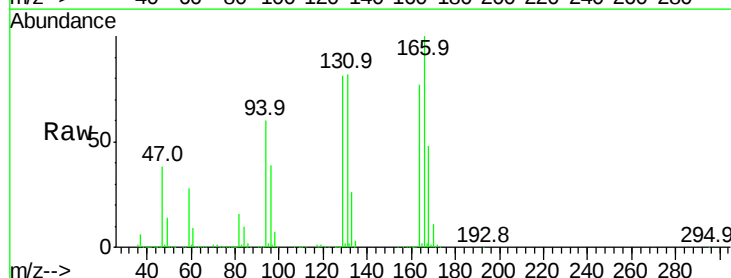
Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

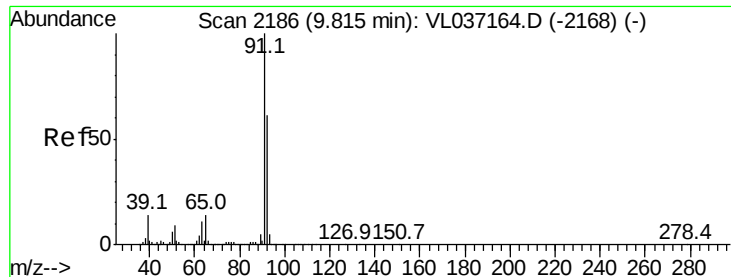
Tgt Ion: 43 Resp: 1219633
Ion Ratio Lower Upper
43 100
58 49.8 38.4 57.6
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 7.779 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 164 Resp: 1423866
Ion Ratio Lower Upper
164 100
166 129.0 97.6 146.4
129 104.3 82.9 124.3
131 105.6 80.6 120.8





#53

Toluene

Concen: 8.894 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

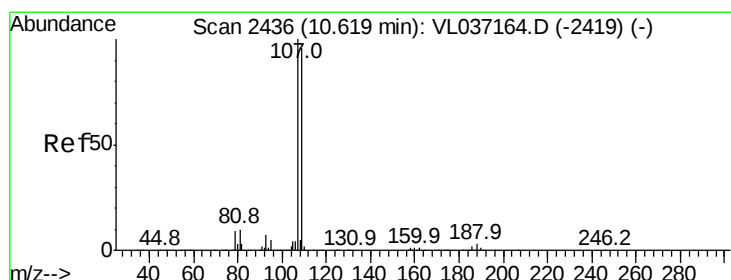
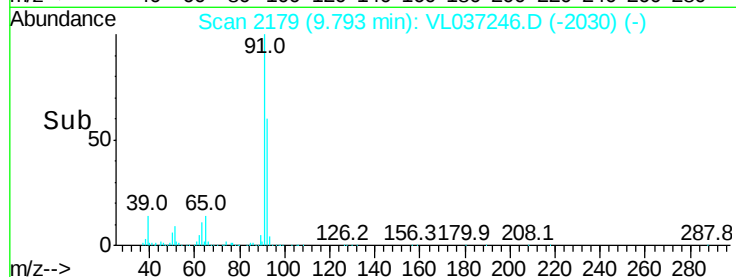
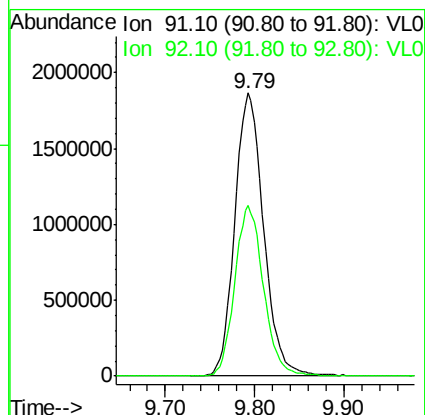
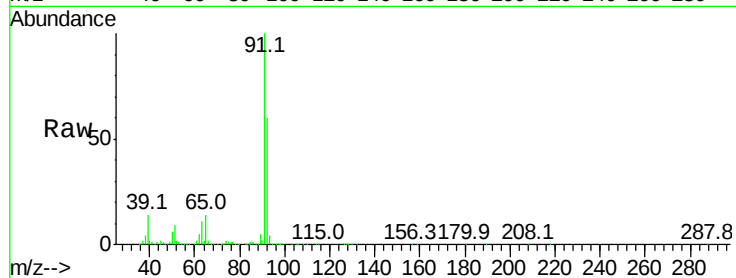
VL0629ABS01

Tgt Ion: 91 Resp: 4184570

Ion Ratio Lower Upper

91 100

92 60.1 48.3 72.5



#54

1,2-Dibromoethane

Concen: 9.293 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.02 min

Lab File: VL037246.D

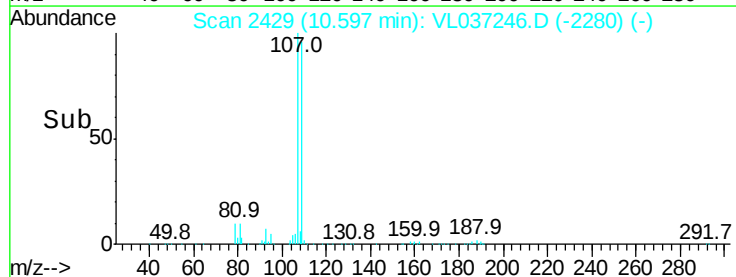
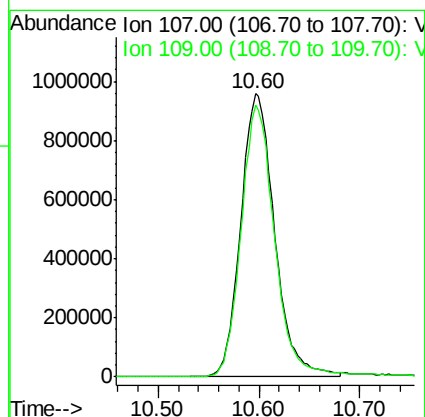
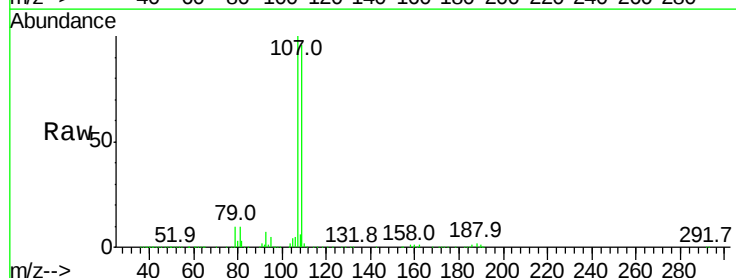
Acq: 29 Jun 2021 12:57

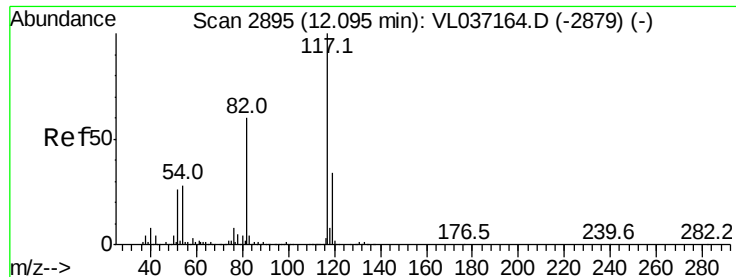
Tgt Ion: 107 Resp: 2230130

Ion Ratio Lower Upper

107 100

109 96.3 77.0 115.6

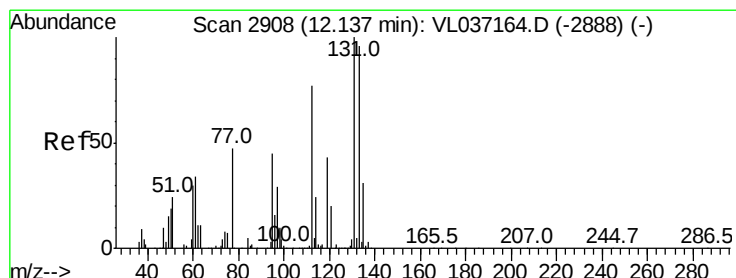
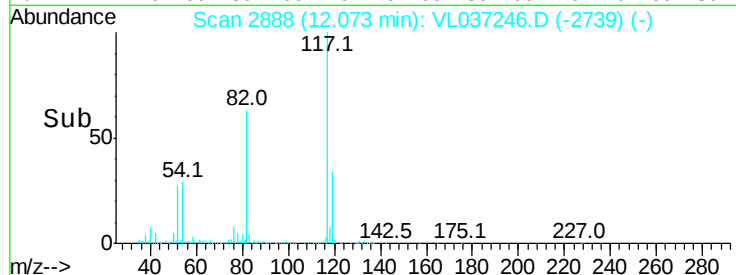
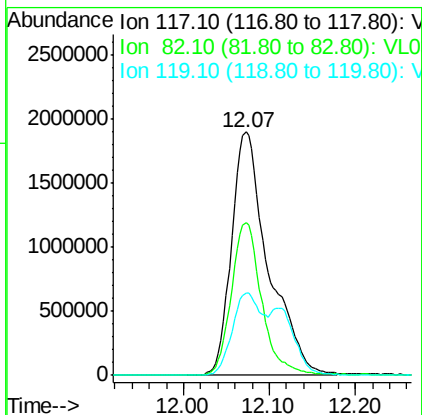
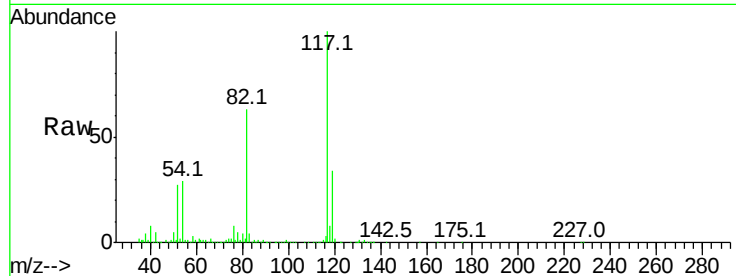




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

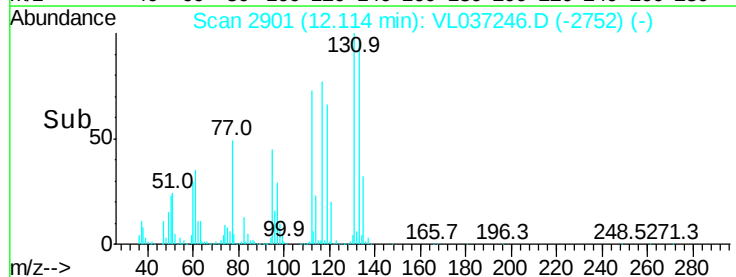
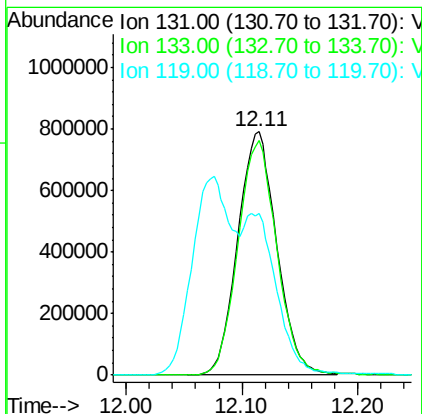
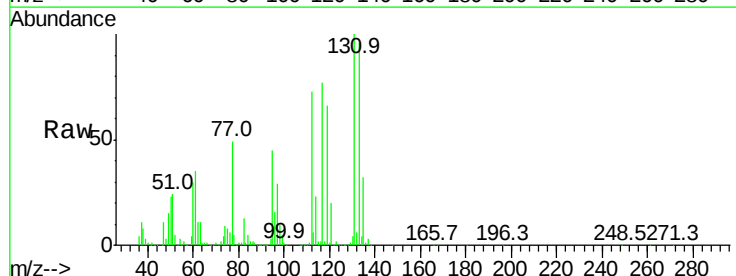
Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

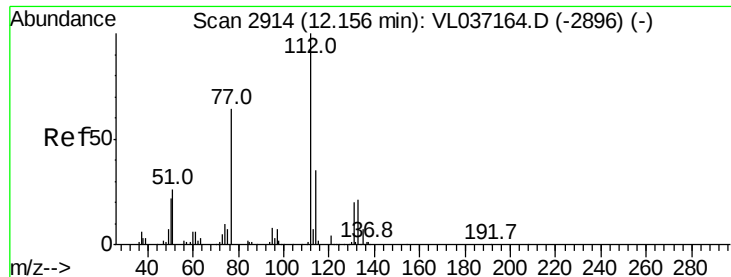
Tgt Ion:117 Resp: 5654817
Ion Ratio Lower Upper
117 100
82 51.9 51.7 77.5
119 46.8 47.6 71.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.432 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion:131 Resp: 1837589
Ion Ratio Lower Upper
131 100
133 97.3 76.5 114.7
119 57.3 48.6 72.8





#57

Chlorobenzene

Concen: 6.948 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

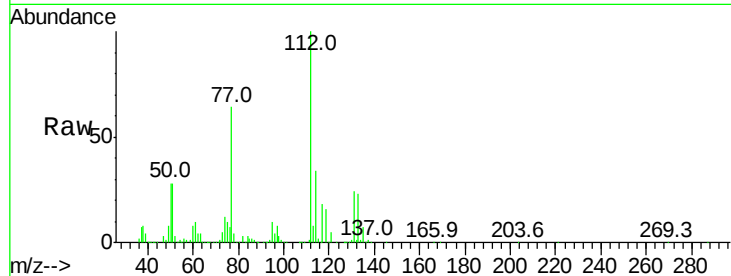
Tgt Ion: 112 Resp: 3186181

Ion Ratio Lower Upper

112 100

77 63.3 52.2 78.4

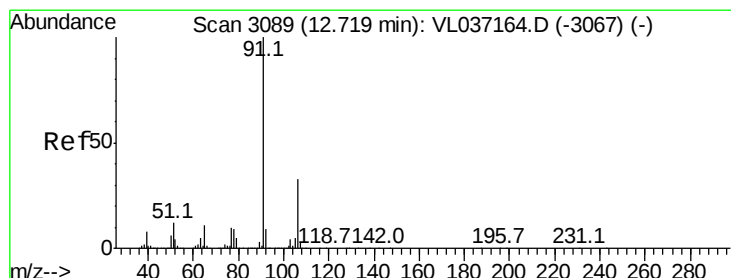
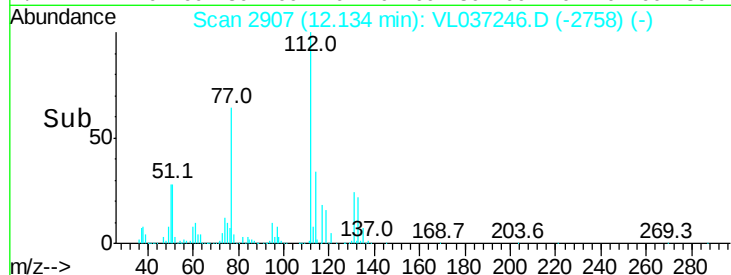
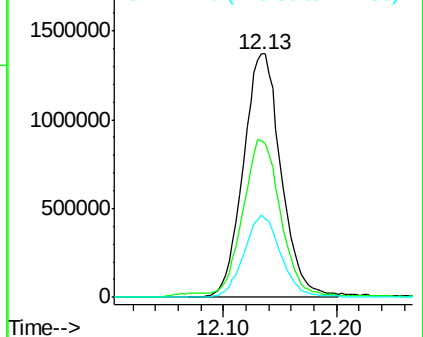
114 34.0 31.1 38.1



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: 7.147 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VL037246.D

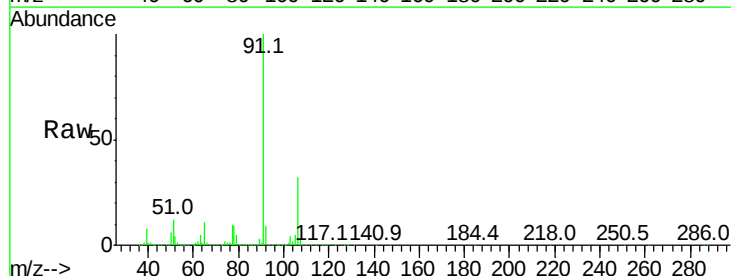
Acq: 29 Jun 2021 12:57

Tgt Ion: 91 Resp: 5563757

Ion Ratio Lower Upper

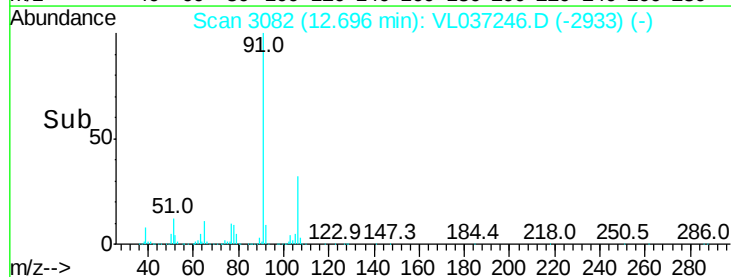
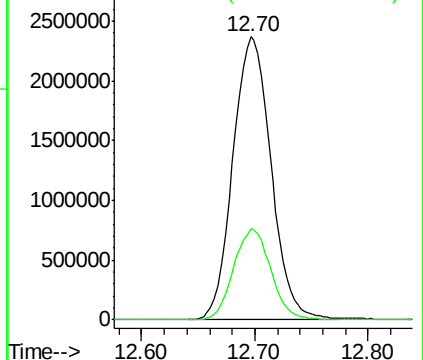
91 100

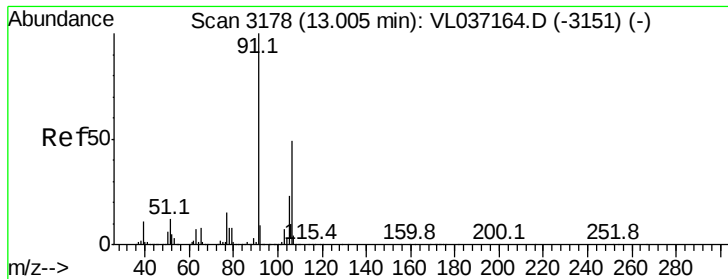
106 32.2 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

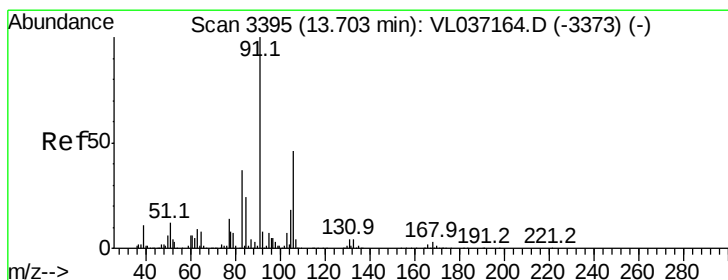
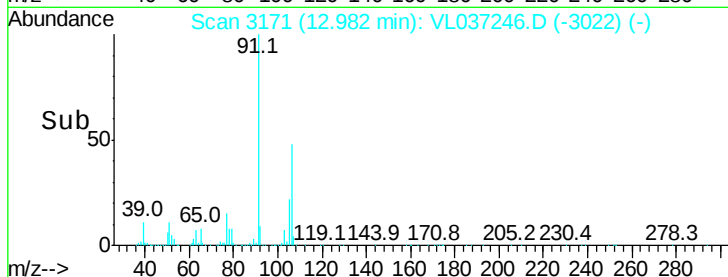
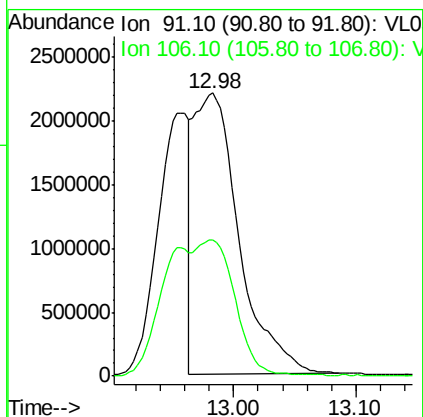
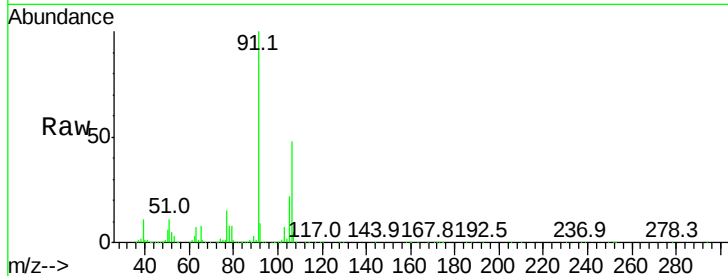




#59
m/p-Xylene
Concen: 8.608 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

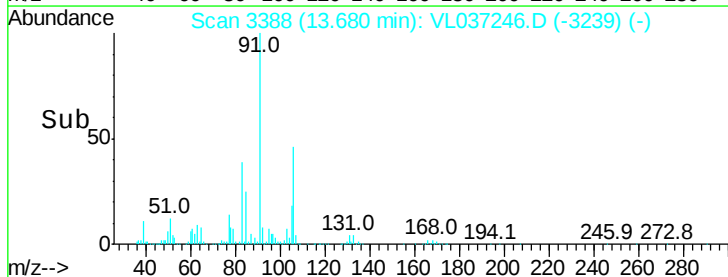
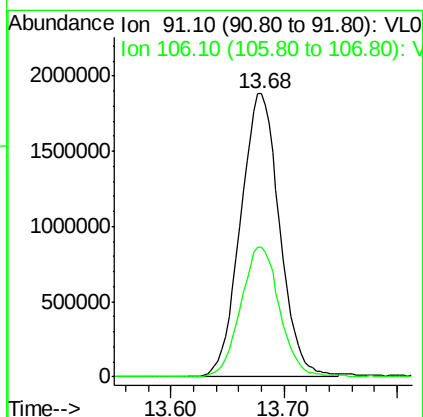
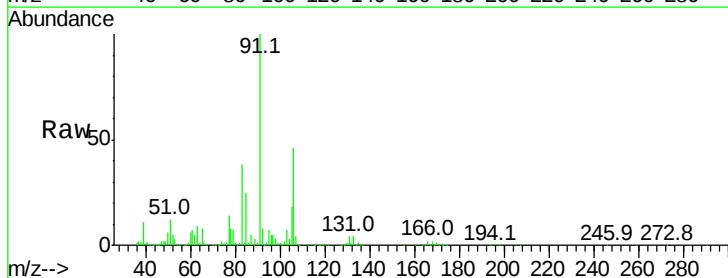
Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

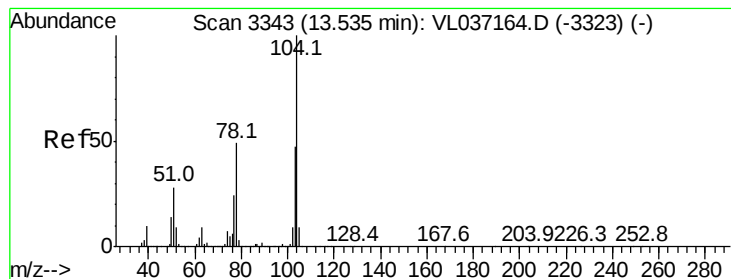
Tgt Ion: 91 Resp: 5678510
Ion Ratio Lower Upper
91 100
106 75.9 37.0 55.4#



#60
o-Xylene
Concen: 7.179 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 91 Resp: 4509367
Ion Ratio Lower Upper
91 100
106 46.0 23.0 69.0





#61

Styrene

Concen: 7.810 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

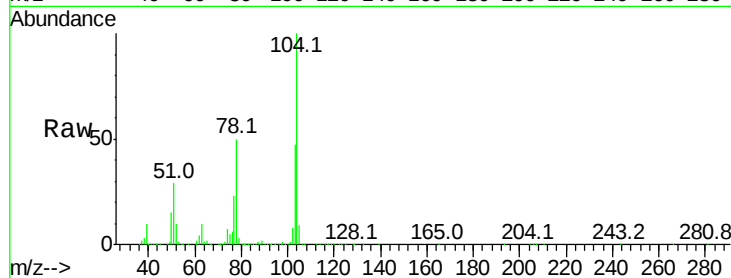
Tgt Ion:104 Resp: 2532016

Ion Ratio Lower Upper

104 100

78 51.6 39.7 59.5

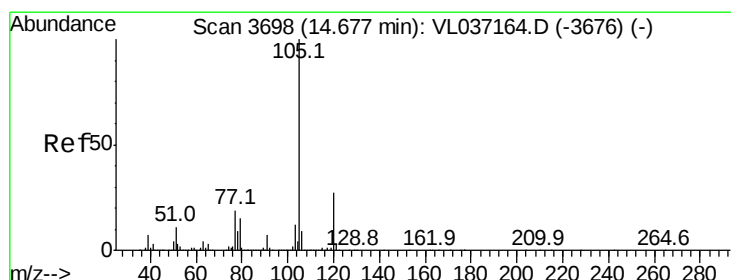
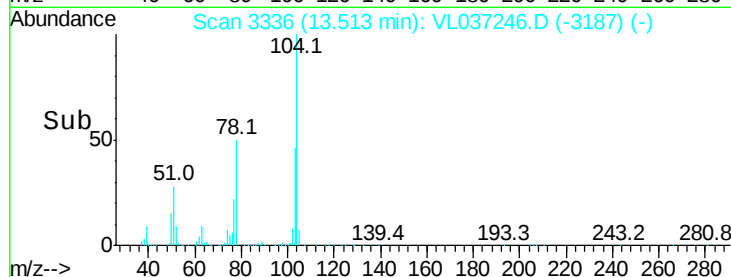
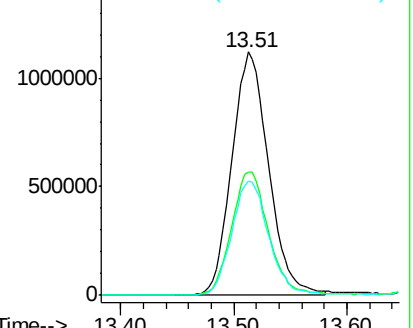
103 48.0 37.6 56.4



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: 7.083 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. -0.02 min

Lab File: VL037246.D

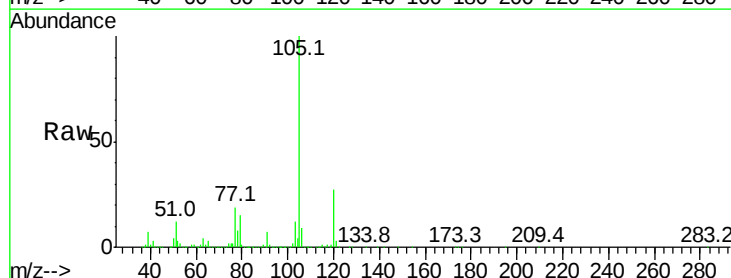
Acq: 29 Jun 2021 12:57

Tgt Ion:105 Resp: 6327066

Ion Ratio Lower Upper

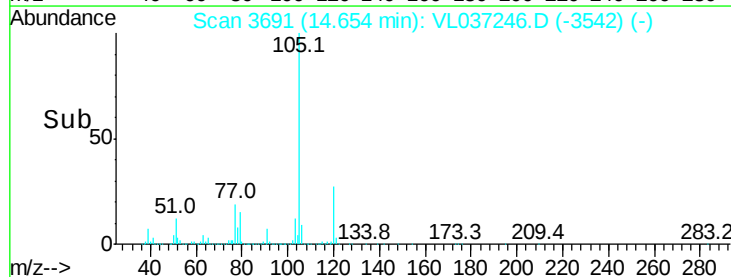
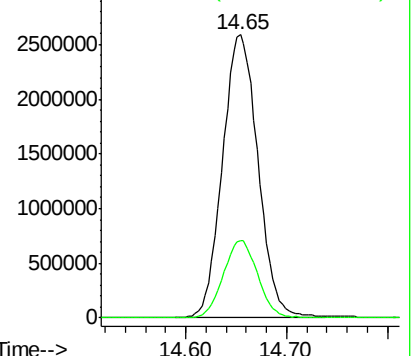
105 100

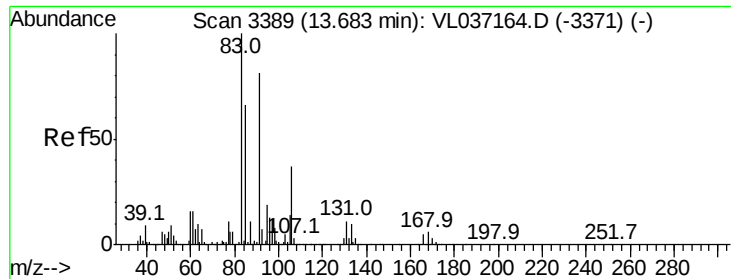
120 26.7 21.6 32.4



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: 7.273 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

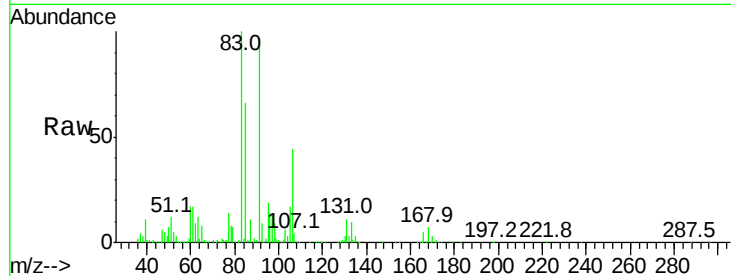
Tgt Ion: 83 Resp: 3041975

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

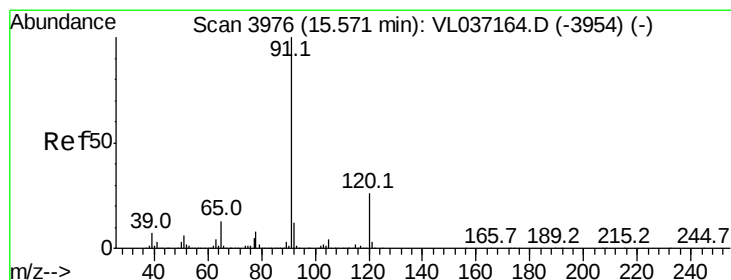
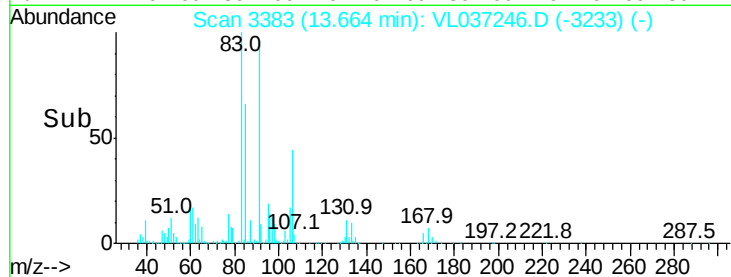
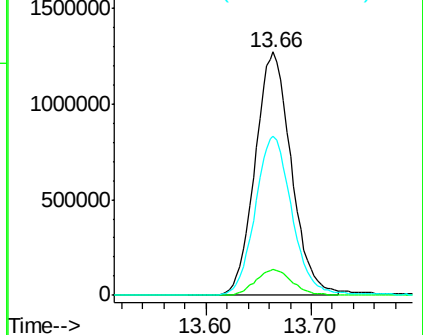
85 67.0 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.574 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.02 min

Lab File: VL037246.D

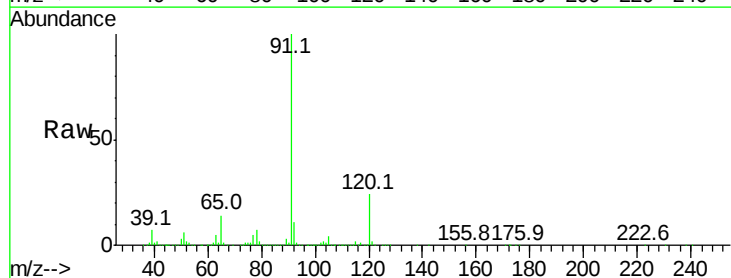
Acq: 29 Jun 2021 12:57

Tgt Ion: 120 Resp: 1694205

Ion Ratio Lower Upper

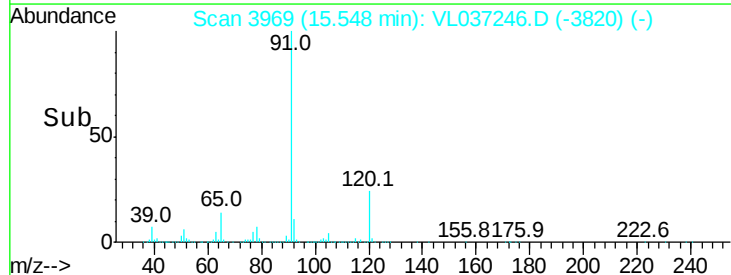
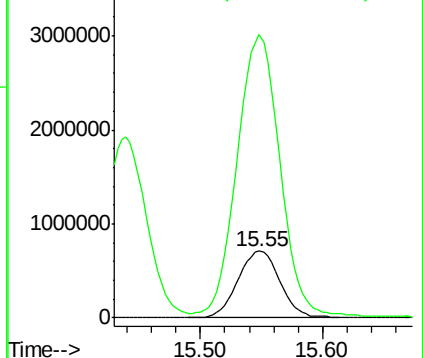
120 100

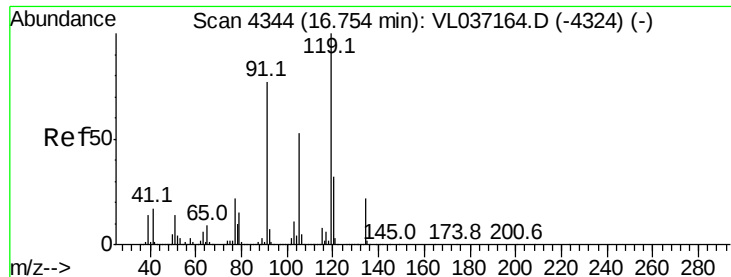
91 437.9 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.258 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

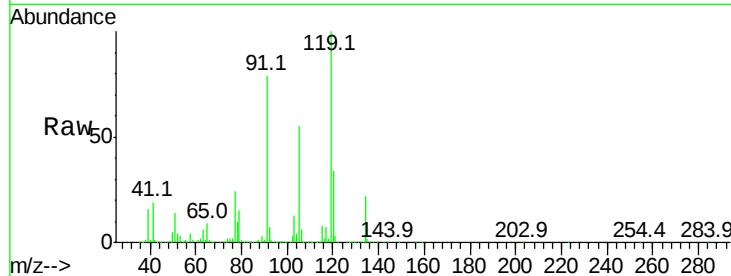
Tgt Ion:119 Resp: 5749692

Ion Ratio Lower Upper

119 100

91 80.0 62.6 93.8

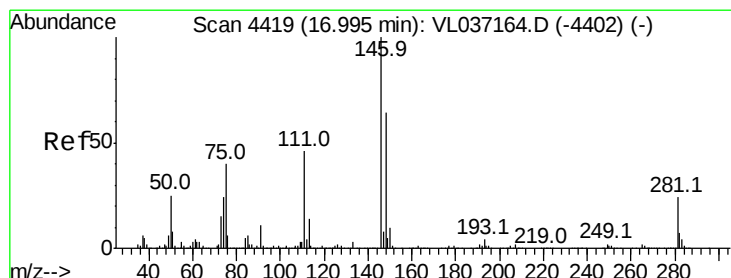
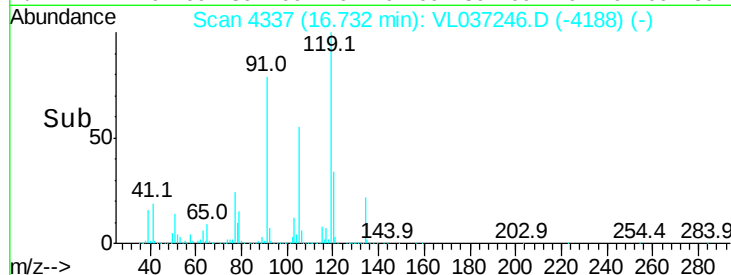
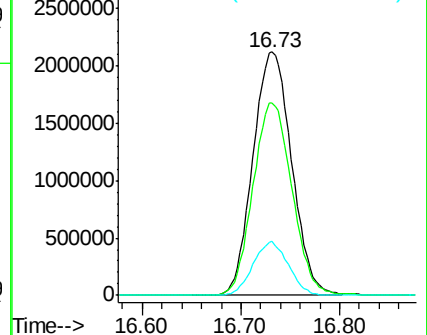
134 20.3 16.2 24.4



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: 6.987 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

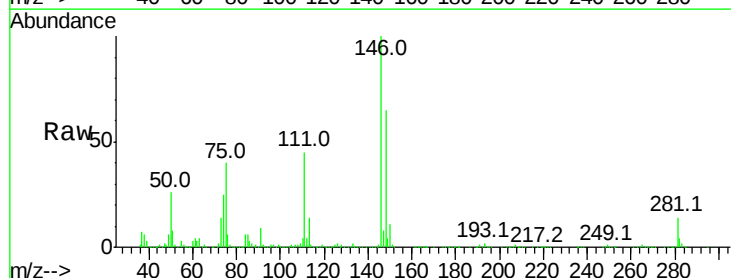
Tgt Ion: 91 Resp: 234559

Ion Ratio Lower Upper

91 100

126 19.0 15.5 23.3

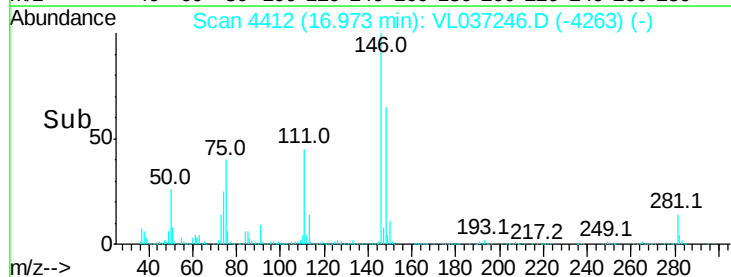
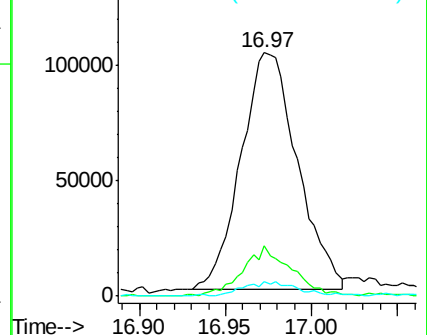
128 6.2 5.7 8.5

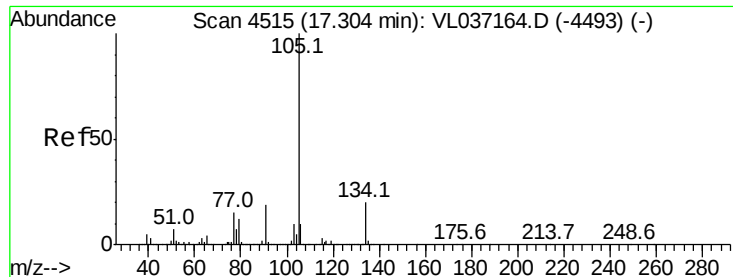


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

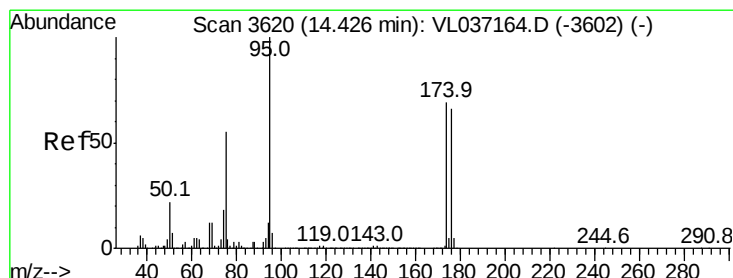
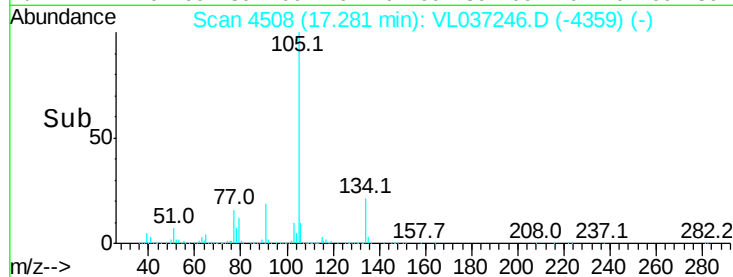
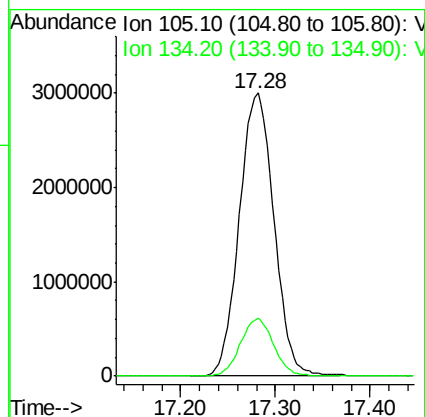
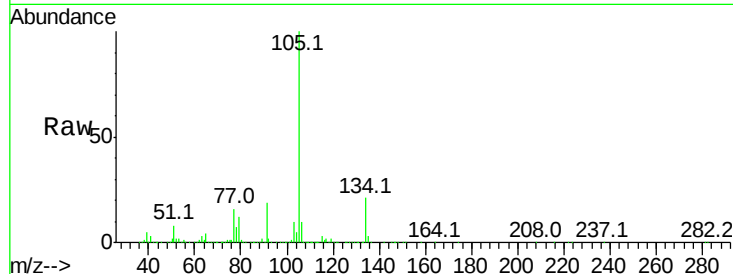




#67
 sec-Butylbenzene
 Concen: 7.235 ppbv
 RT: 17.28 min Scan# 4508
 Delta R.T. -0.02 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

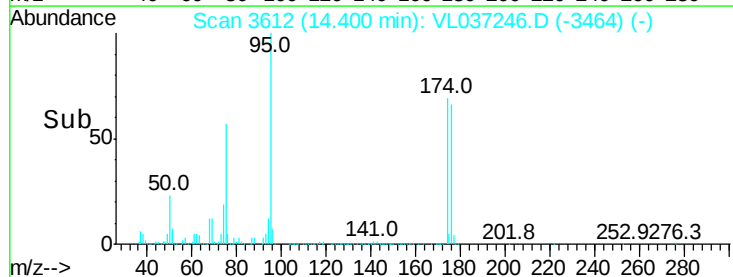
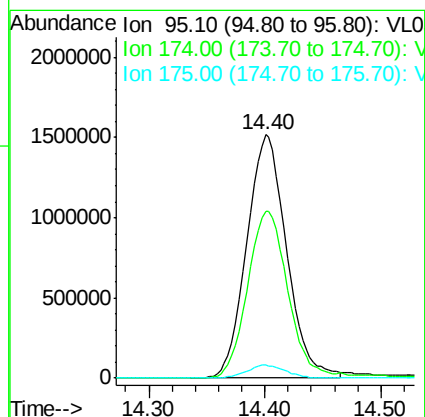
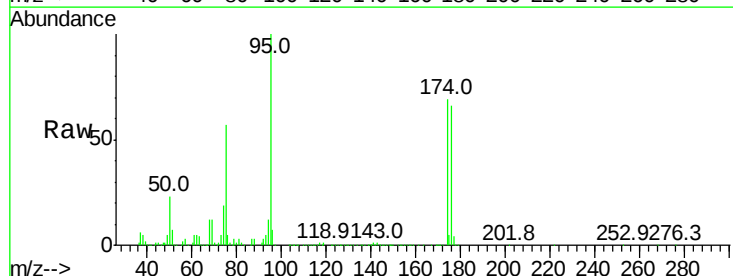
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

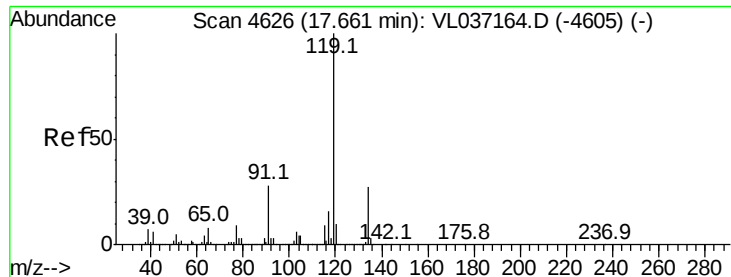
Tgt Ion: 105 Resp: 7642965
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.8 23.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.457 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.03 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion: 95 Resp: 3623859
 Ion Ratio Lower Upper
 95 100
 174 71.5 57.0 85.4
 175 5.5 4.4 6.6

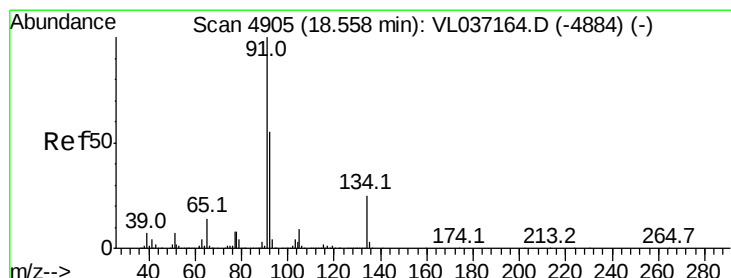
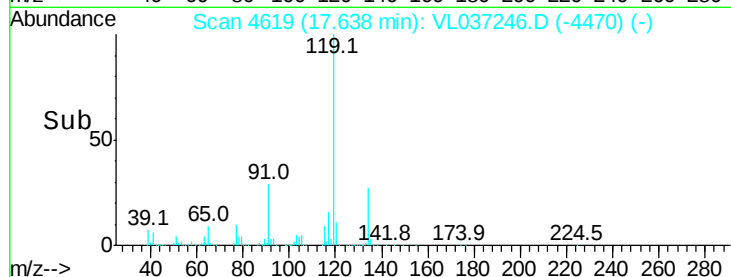
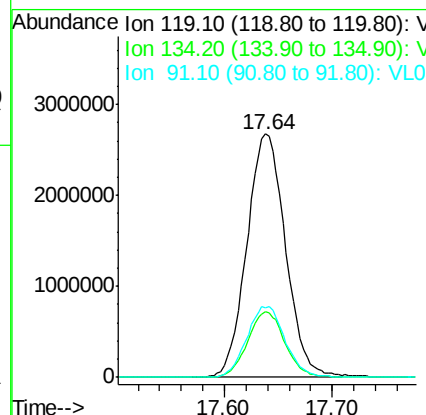
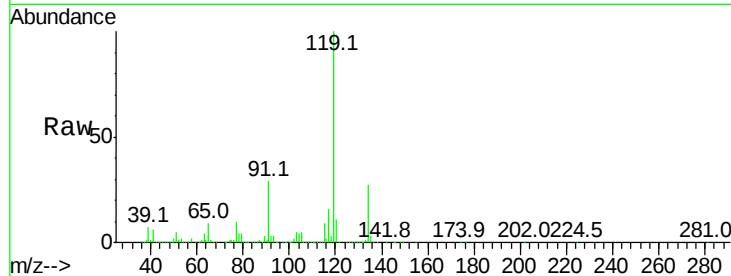




#69
p-Isopropyltoluene
Concen: 7.444 ppbv
RT: 17.64 min Scan# 4619
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

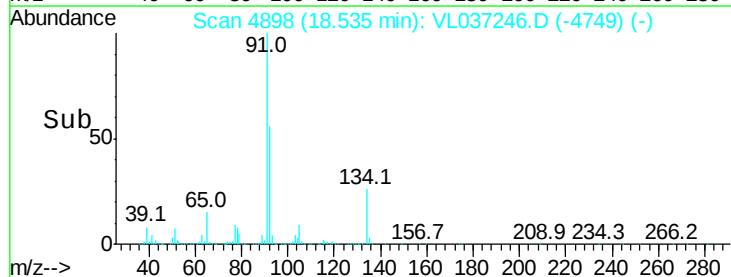
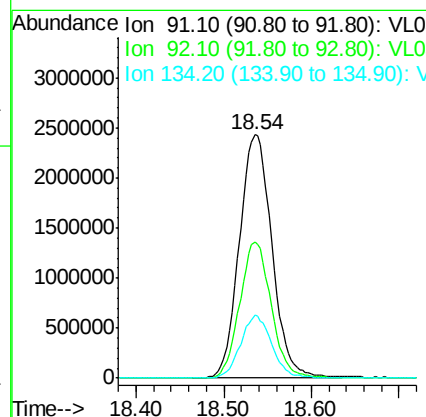
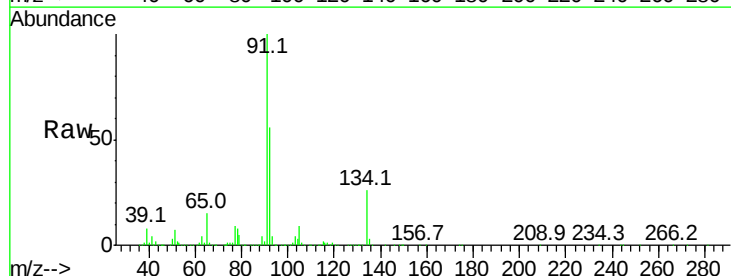
Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

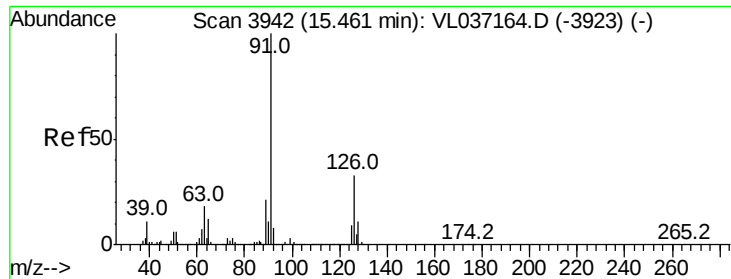
Tgt Ion: 119 Resp: 6642639
Ion Ratio Lower Upper
119 100
134 26.3 20.9 31.3
91 29.0 22.6 34.0



#70
n-Butylbenzene
Concen: 7.629 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion: 91 Resp: 6300250
Ion Ratio Lower Upper
91 100
92 54.3 44.0 66.0
134 24.7 20.2 30.4





#71

2-Chlorotoluene

Concen: 7.357 ppbv

RT: 15.44 min Scan# 3935

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

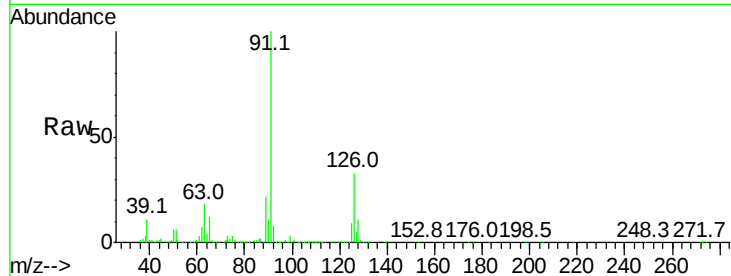
VL0629ABS01

Tgt Ion: 91 Resp: 4594424

Ion Ratio Lower Upper

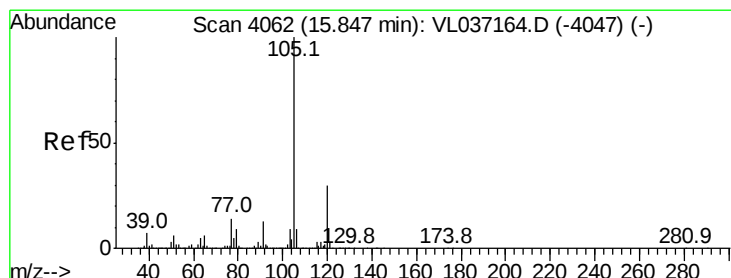
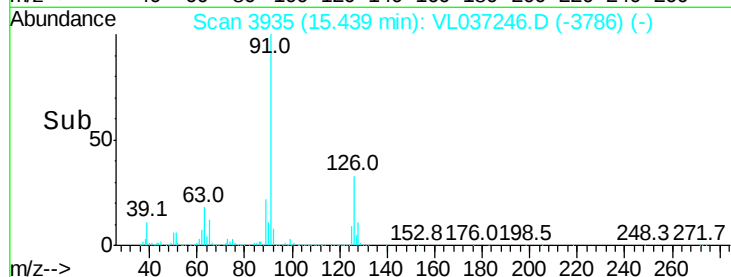
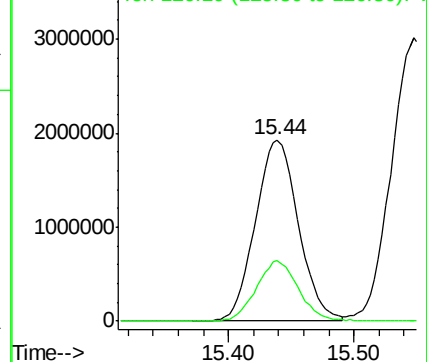
91 100

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: 7.566 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Tgt Ion: 105 Resp: 5399326

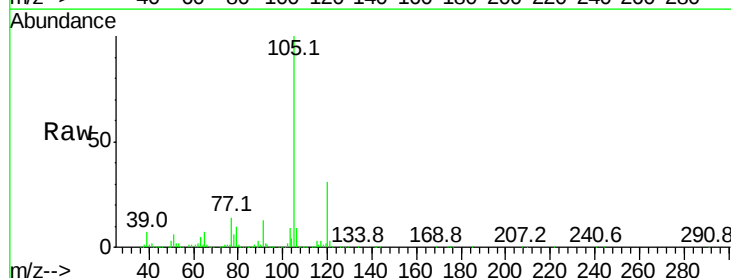
Ion Ratio Lower Upper

105 100

120 30.9 24.7 37.1

91 13.3 10.2 15.4

77 14.1 11.0 16.6

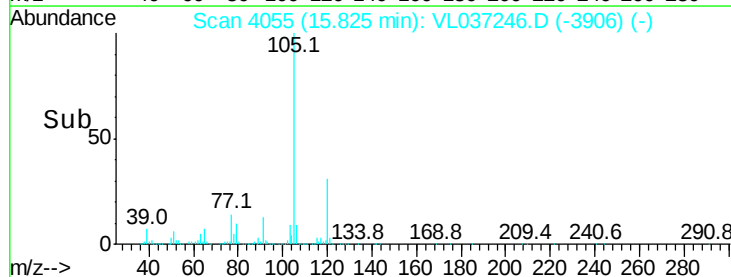
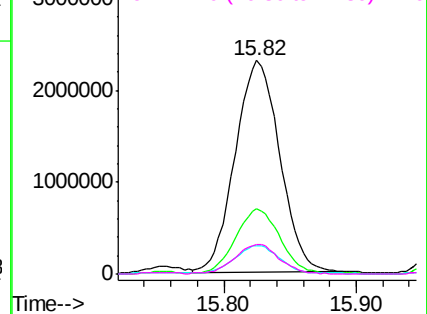


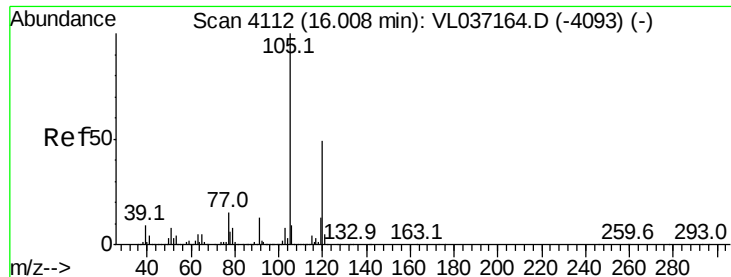
Abundance Ion 105.10 (104.80 to 105.80): V

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

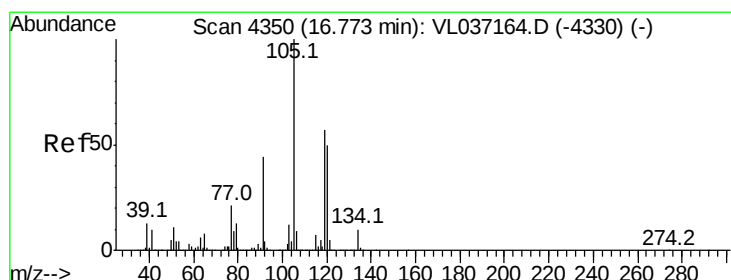
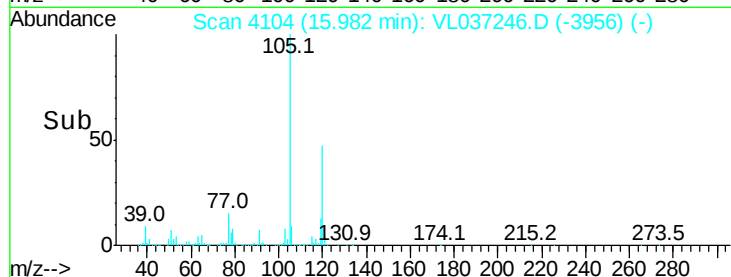
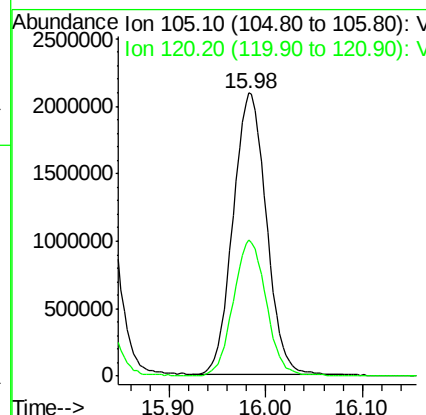
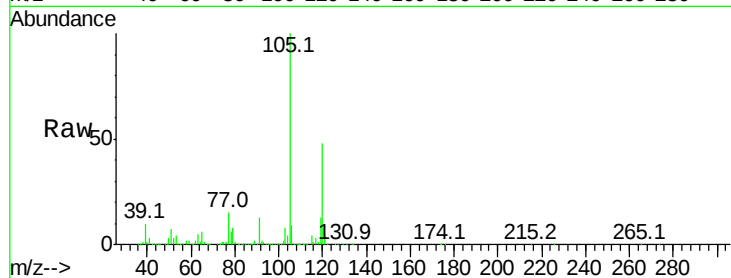




#73
 1,3,5-Trimethylbenzene
 Concen: 7.247 ppbv
 RT: 15.98 min Scan# 4104
 Delta R.T. -0.03 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

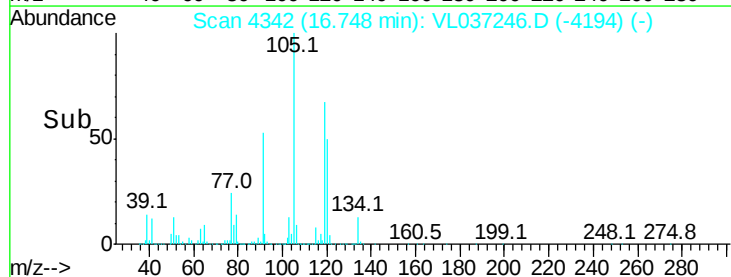
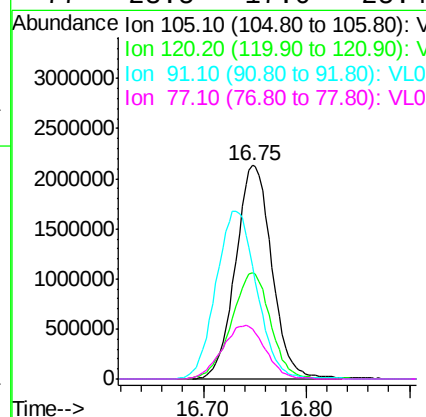
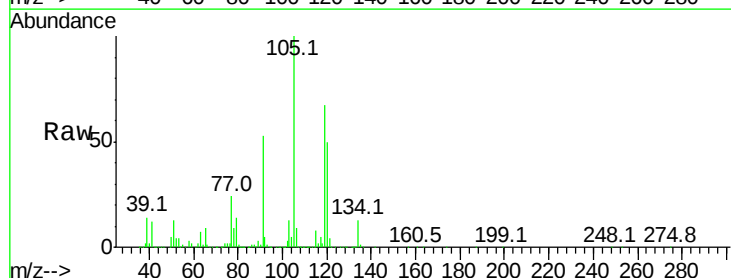
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

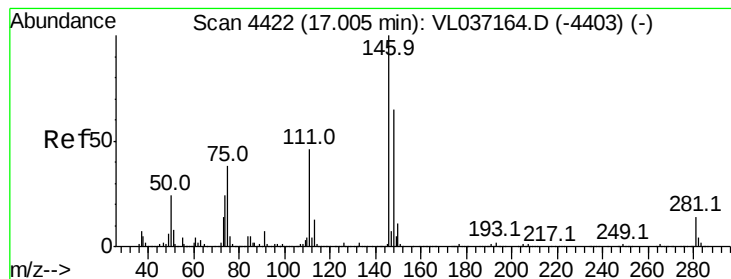
Tgt Ion:105 Resp: 4998769
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.4 59.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.337 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.03 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Tgt Ion:105 Resp: 5215085
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.8 59.8
 91 52.4 37.0 55.4
 77 23.5 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 7.258 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

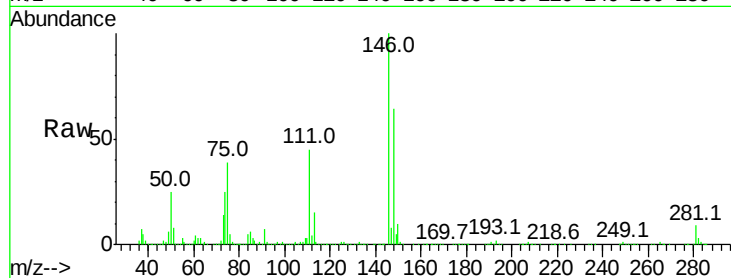
Tgt Ion:146 Resp: 3136753

Ion Ratio Lower Upper

146 100

111 45.5 22.2 66.6

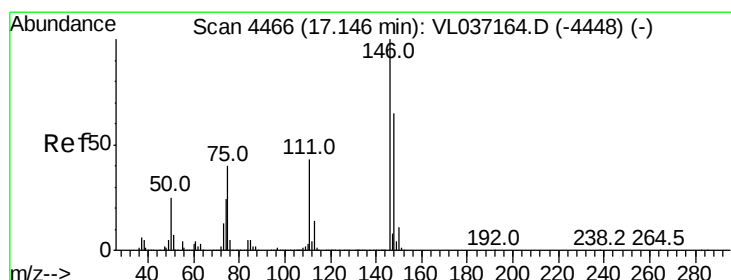
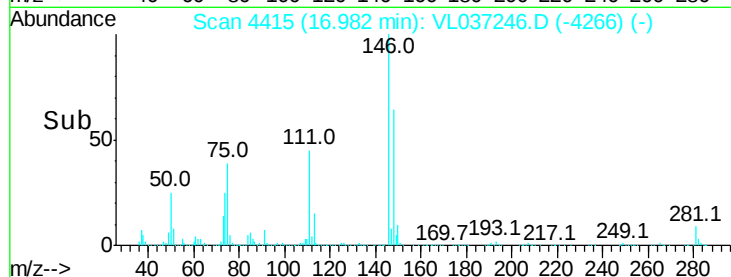
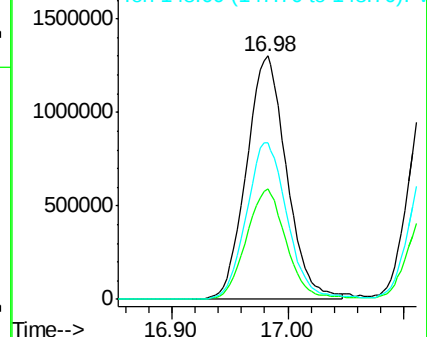
148 65.7 32.4 97.2



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: 6.985 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

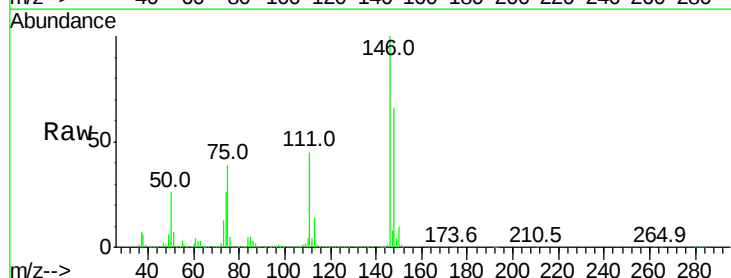
Tgt Ion:146 Resp: 3014921

Ion Ratio Lower Upper

146 100

111 45.7 22.7 68.0

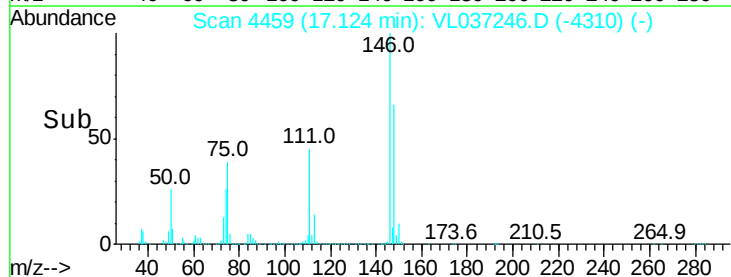
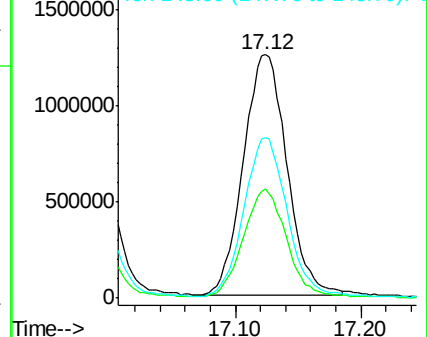
148 67.7 33.7 101.1

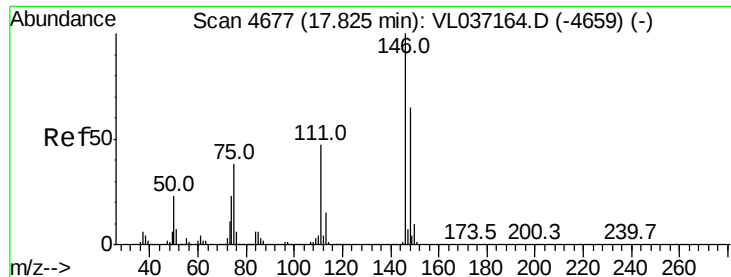


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.244 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

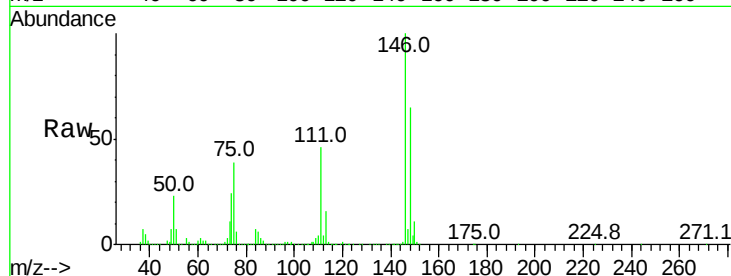
Tgt Ion:146 Resp: 3028243

Ion Ratio Lower Upper

146 100

111 46.7 23.3 69.8

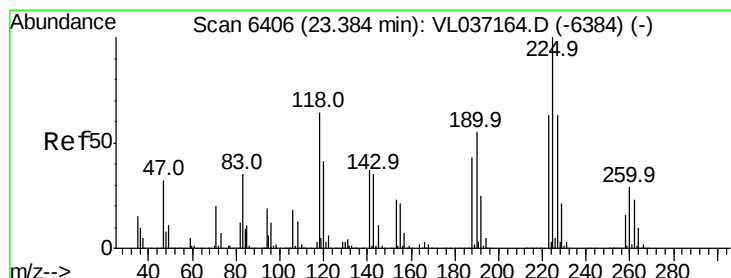
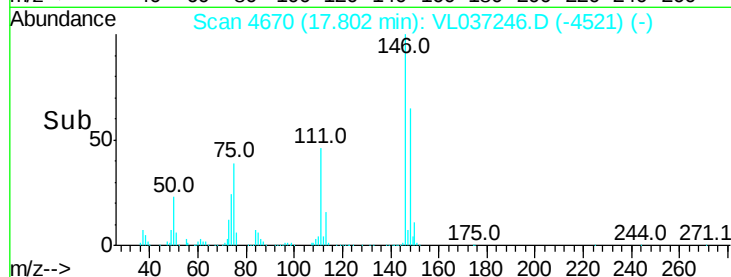
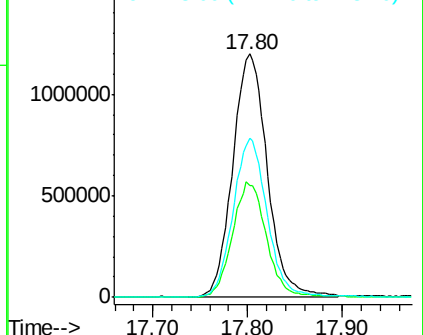
148 64.6 32.4 97.0



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: 5.589 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. -0.02 min

Lab File: VL037246.D

Acq: 29 Jun 2021 12:57

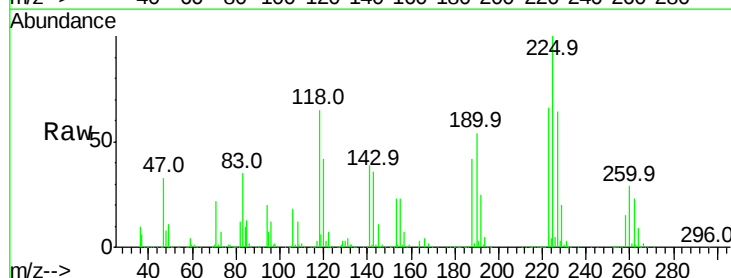
Tgt Ion:225 Resp: 2008920

Ion Ratio Lower Upper

225 100

223 63.9 51.8 77.8

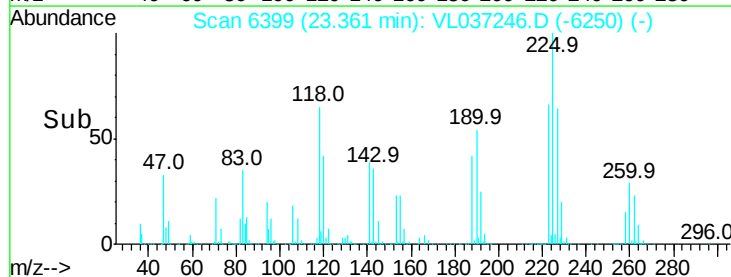
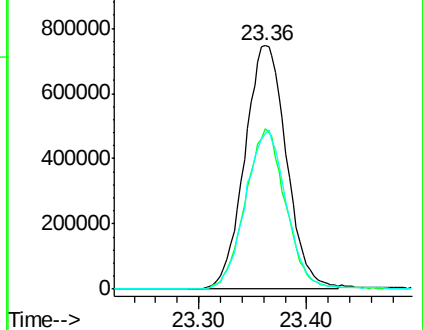
227 64.9 51.4 77.0

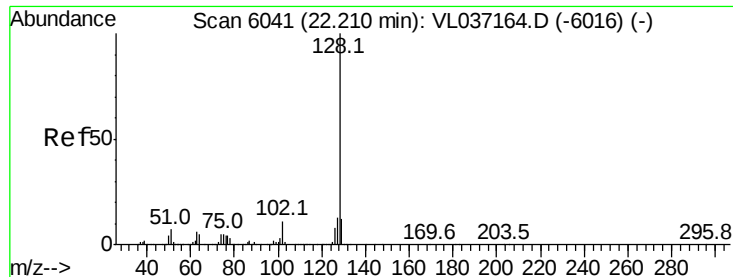


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

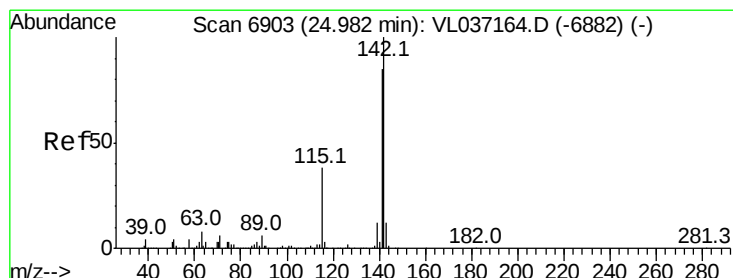
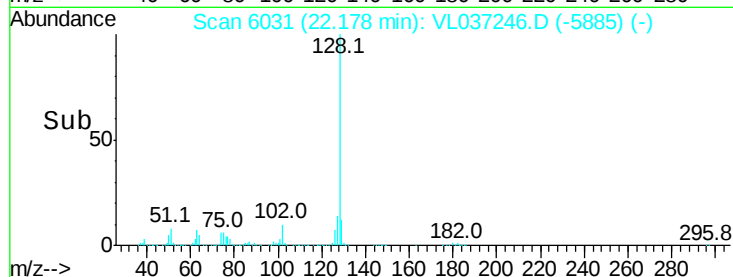
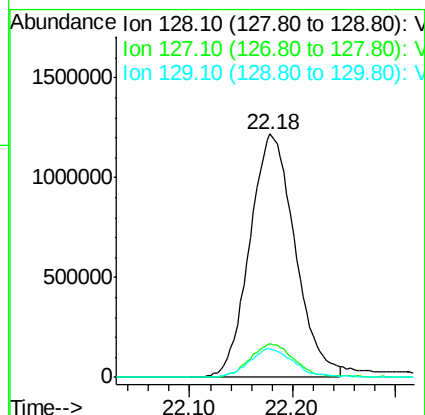
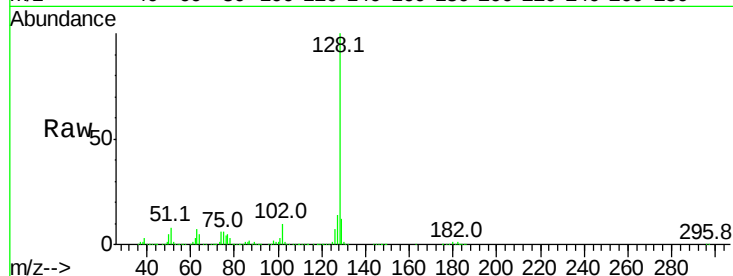




#79
Naphthalene
Concen: 6.272 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.03 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

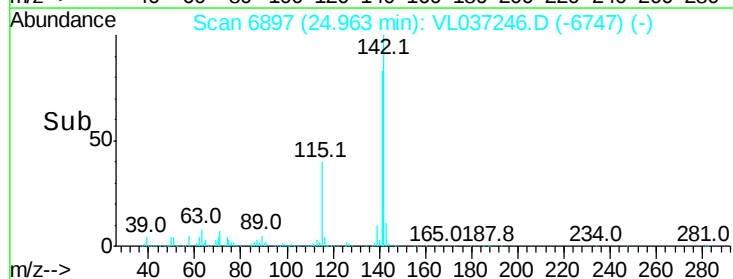
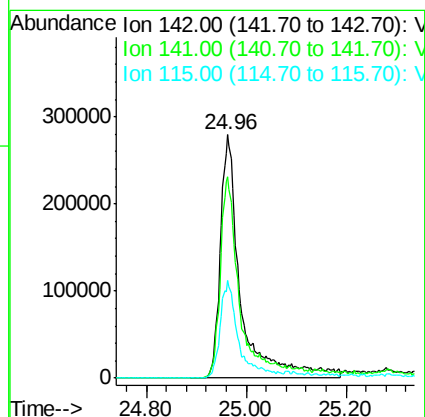
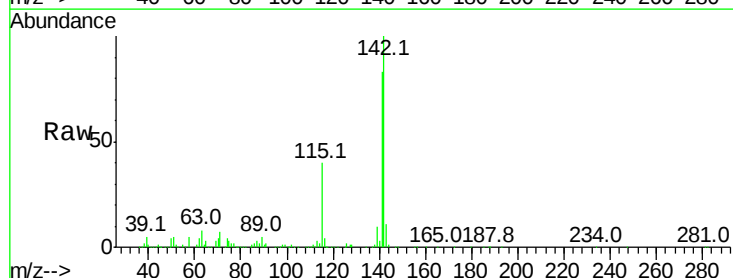
Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

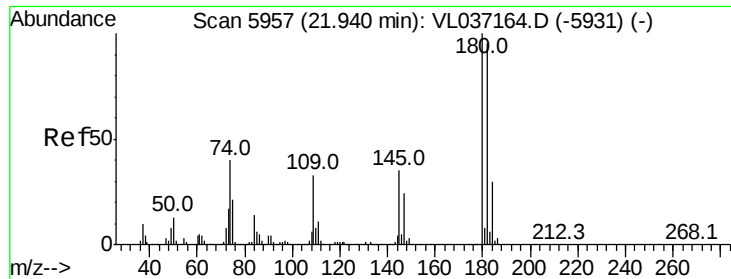
Tgt Ion:128 Resp: 3716801
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.6 9.3 13.9



#80
Naphthalene, 2-methyl-
Concen: 5.168 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.02 min
Lab File: VL037246.D
Acq: 29 Jun 2021 12:57

Tgt Ion:142 Resp: 803170
Ion Ratio Lower Upper
142 100
141 77.3 63.7 95.5
115 37.6 30.6 45.8

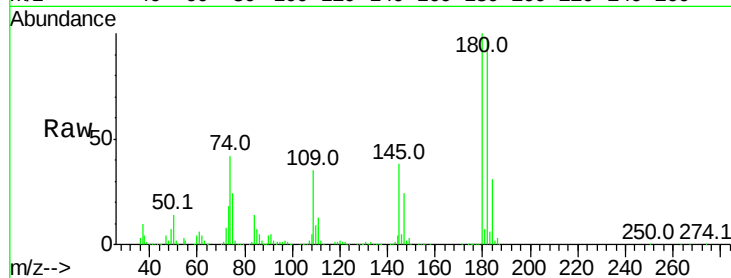




#81
 1,2,4-Trichlorobenzene
 Concen: 6.477 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.03 min
 Lab File: VL037246.D
 Acq: 29 Jun 2021 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tgt Ion:180 Resp: 2214765
 Ion Ratio Lower Upper
 180 100
 182 99.7 79.3 118.9
 184 31.5 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

