

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037197.D
 Acq On : 17 Jun 2021 12:10
 Operator : SY/AP
 Sample : VL0617ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Quant Time: Jun 18 01:20:52 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	1431285	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4304262	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4989268	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3096268	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2509719	10.082	ppbv 97
3) Chlorodifluoromethane	2.99	51	2630711	9.452	ppbv 99
4) Chloromethane	3.14	50	897653	9.678	ppbv 97
5) Vinyl Chloride	3.26	62	983256	9.646	ppbv 98
6) Bromomethane	3.47	94	590160	9.704	ppbv 96
7) Chloroethane	3.56	64	349814	9.600	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2513894	9.845	ppbv 99
9) Propene	3.01	41	839942	9.439	ppbv 100
10) Heptane	8.12	43	2156823	10.008	ppbv 100
11) Trichlorofluoromethane	3.95	101	2659135	10.012	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1853753	9.901	ppbv 100
13) Ethanol	3.61	45	44066	3.201	ppbv # 7
14) Bromoethene	3.74	108	773232	9.895	ppbv 98
15) Acetone	3.85	43	1322513	8.194	ppbv 98
16) 1,3-Butadiene	3.33	39	968098	10.146	ppbv 100
17) tert-Butyl alcohol	4.29	59	1430251	9.588	ppbv 100
18) 1,1-Dichloroethene	4.29	96	836142	10.078	ppbv 96
19) Isopropyl Alcohol	3.97	45	789818	8.079	ppbv 98
20) Methylene Chloride	4.34	84	684238	7.081	ppbv 97
21) Allyl Chloride	4.41	41	1238037	10.176	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	824842	10.047	ppbv 96
23) Vinyl Acetate	5.07	43	2360916	10.201	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1838699	9.868	ppbv 99
25) Ethyl Acetate	5.68	43	3397257	9.723	ppbv 100
26) Hexane	5.69	57	1634660	9.256	ppbv 99
27) Carbon Disulfide	4.55	76	1940341	11.214	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2138475	10.072	ppbv 100
29) Chloroform	5.75	83	2666319	9.774	ppbv 96
30) Cyclohexane	7.13	84	1456846	9.901	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1662568	10.245	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2779225	9.520	ppbv 100
34) 2-Butanone	5.25	43	1587738	9.485	ppbv 99
35) Carbon Tetrachloride	7.02	117	2982115	10.330	ppbv 98
36) Benzene	6.89	78	3402385	9.775	ppbv 99
37) 1,2-Dichloroethane	6.31	62	2021013	9.996	ppbv 100
38) Trichloroethene	7.83	130	1441150	8.711	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1291667	9.987	ppbv 98
40) 1,4-Dioxane	7.83	88	327411	9.231	ppbv 75
41) Tetrahydrofuran	6.05	42	794212	10.214	ppbv 99
42) Bromodichloromethane	7.79	83	2838228	10.175	ppbv 98
43) Methyl Methacrylate	8.01	69	1235455	10.278	ppbv 98

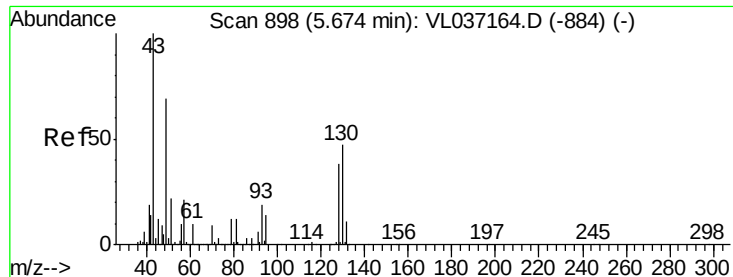
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037197.D
 Acq On : 17 Jun 2021 12:10
 Operator : SY/AP
 Sample : VL0617ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VL0617ABS01

Quant Time: Jun 18 01:20:52 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
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5625854	9.599	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1267559	11.952	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1607670	11.082	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1458879	9.887	ppbv	98
48) Dibromochloromethane	10.30	129	2585490	11.101	ppbv	99
49) Bromoform	13.04	173	2109663	12.157	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2376984	10.338	ppbv	100
51) 2-Hexanone	10.14	43	1210382	10.819	ppbv	99
52) Tetrachloroethene	11.22	164	1428728	8.834	ppbv	97
53) Toluene	9.81	91	4100985	9.864	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2178638	10.274	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1766371	8.097	ppbv	98
57) Chlorobenzene	12.15	112	3114573	7.697	ppbv	98
58) Ethyl Benzene	12.71	91	5455618	7.943	ppbv	98
59) m/p-Xylene	13.00	91	4494556	7.722	ppbv #	29
60) o-Xylene	13.69	91	4367155	7.880	ppbv	100
61) Styrene	13.53	104	2502458	8.749	ppbv	98
62) Isopropylbenzene	14.67	105	6130176	7.778	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2965389	8.036	ppbv	100
64) n-propylbenzene	15.56	120	1649072	8.355	ppbv	98
65) tert-Butylbenzene	16.74	119	5614801	8.033	ppbv	100
66) Benzyl Chloride	16.99	91	273815	9.244	ppbv	98
67) sec-Butylbenzene	17.29	105	7489570	8.035	ppbv	100
69) p-Isopropyltoluene	17.65	119	6548538	8.318	ppbv	100
70) n-Butylbenzene	18.55	91	6161053	8.456	ppbv	100
71) 2-Chlorotoluene	15.45	91	4494571	8.157	ppbv	99
72) 4-Ethyltoluene	15.84	105	5342192	8.485	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4839874	7.952	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	5082755	8.105	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3145793	8.250	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	3098054	8.135	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	3035463	8.230	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1998656	6.302	ppbv	99
79) Naphthalene	22.20	128	3909578	7.477	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	964028	7.030	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	2211803	7.331	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037197.D

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MSVOA_L

ClientSampleId :

VL0617ABS01

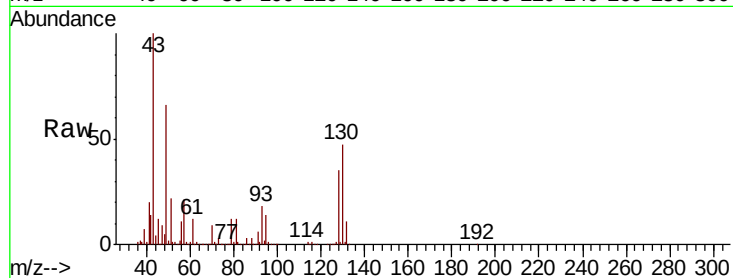
Tot Ion: 49 Resp: 1431285

Ion Ratio Lower Upper

49 100

128 58.2 29.3 88.0

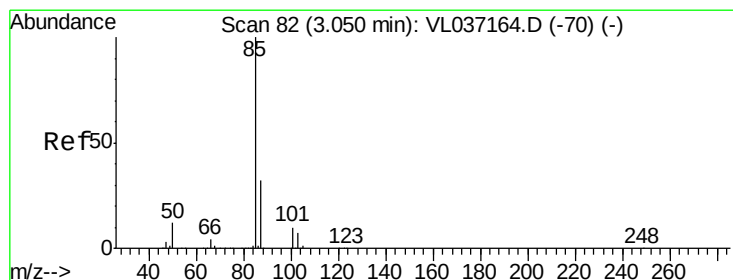
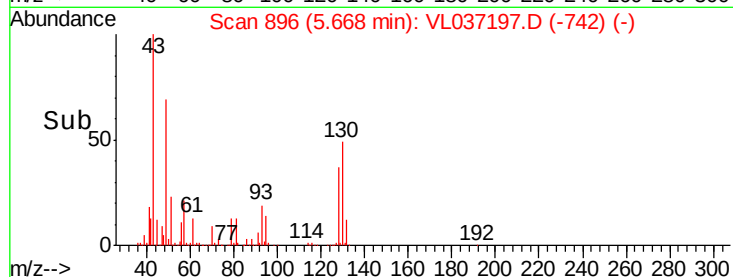
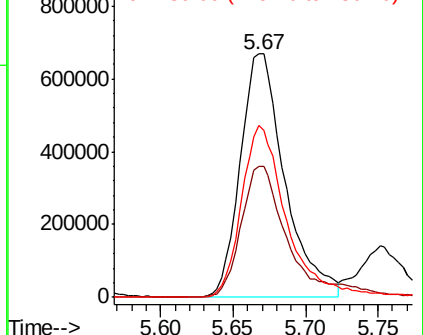
130 72.5 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.082 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037197.D

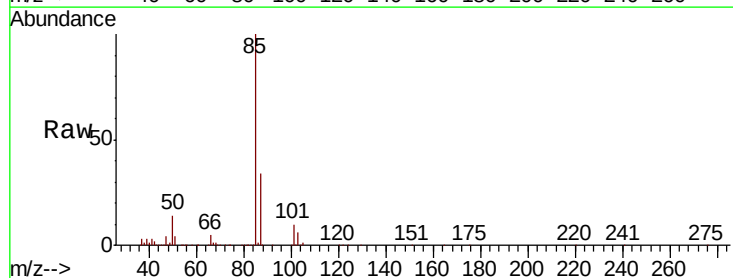
Acq: 17 Jun 2021 12:10

Tgt Ion: 85 Resp: 2509719

Ion Ratio Lower Upper

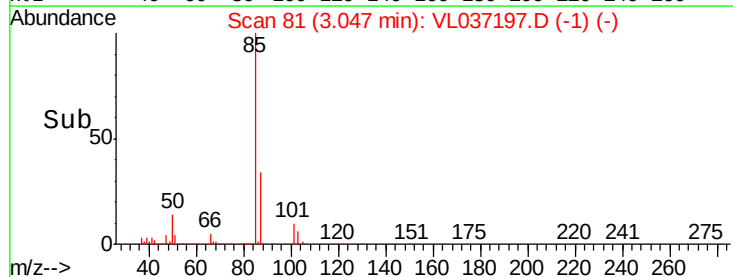
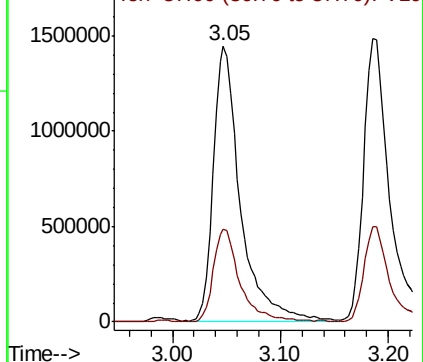
85 100

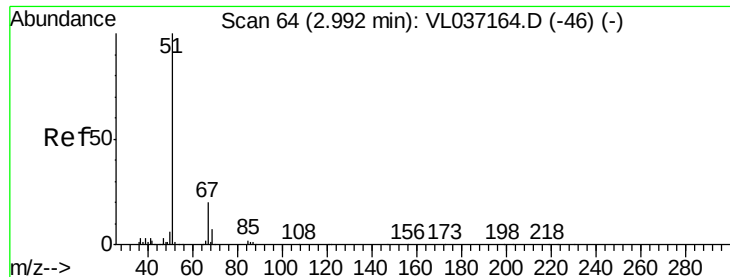
87 33.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.452 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

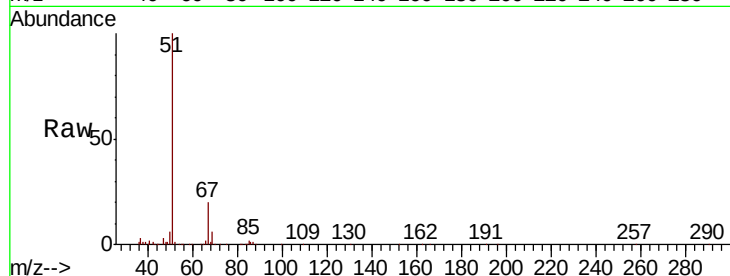
VL0617ABS01

Tot Ion: 51 Resp: 2630711

Ion Ratio Lower Upper

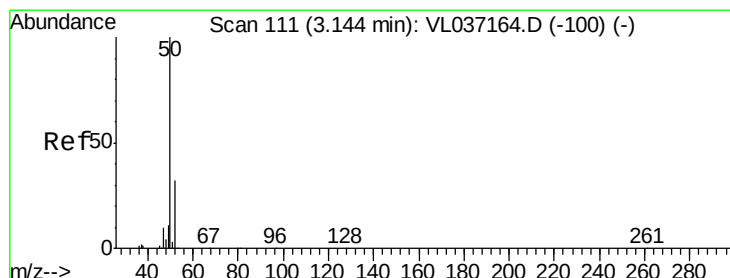
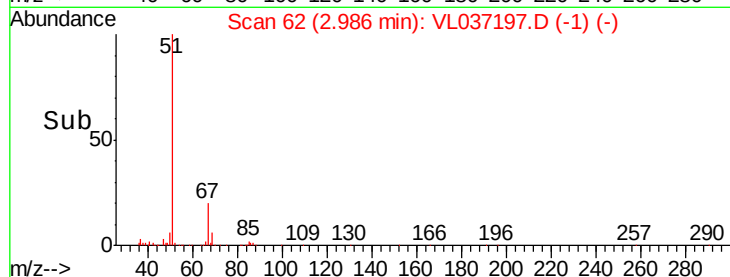
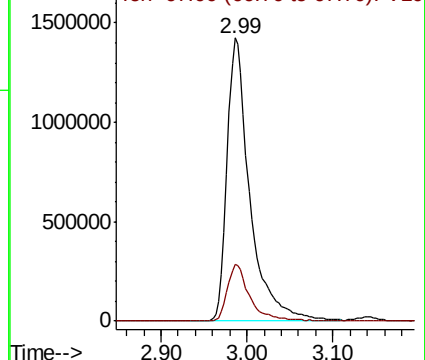
51 100

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: 9.678 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037197.D

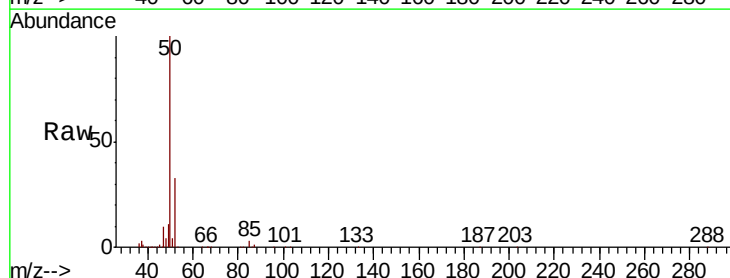
Acq: 17 Jun 2021 12:10

Tgt Ion: 50 Resp: 897653

Ion Ratio Lower Upper

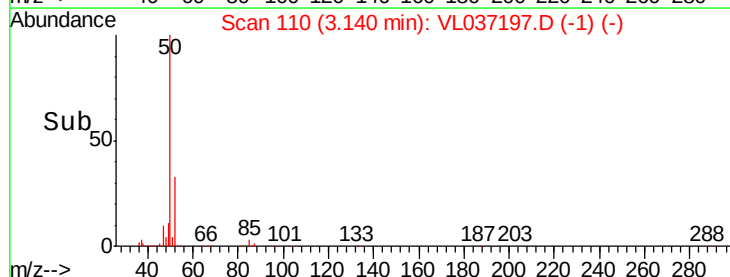
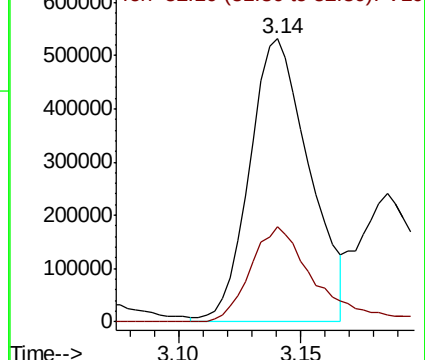
50 100

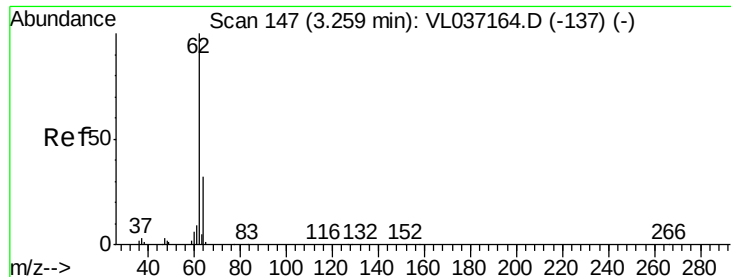
52 34.0 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.646 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

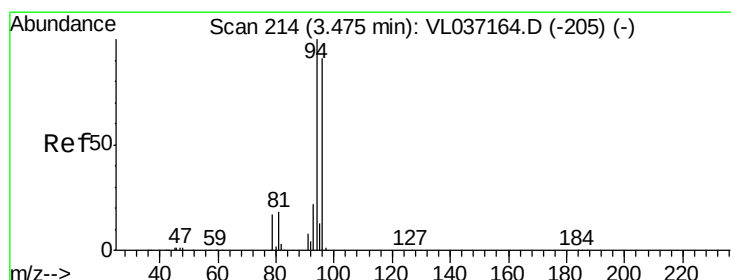
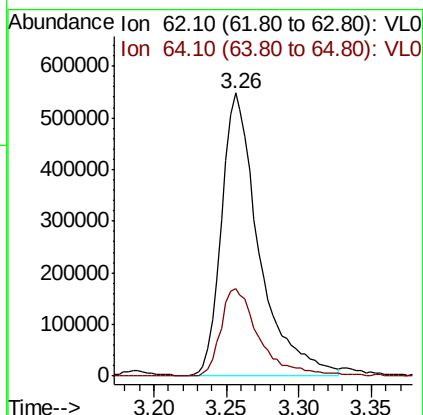
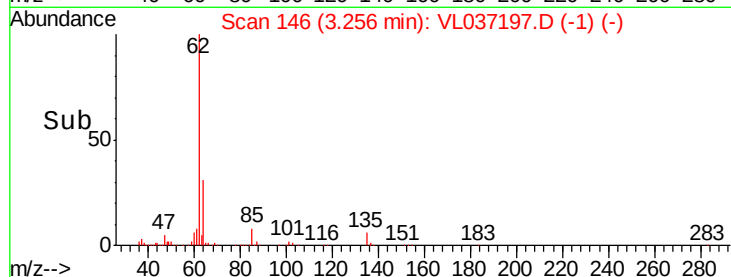
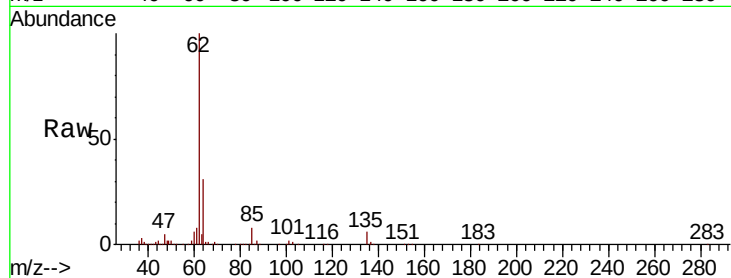
VL0617ABS01

Tot Ion: 62 Resp: 983256

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4



#6

Bromomethane

Concen: 9.704 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037197.D

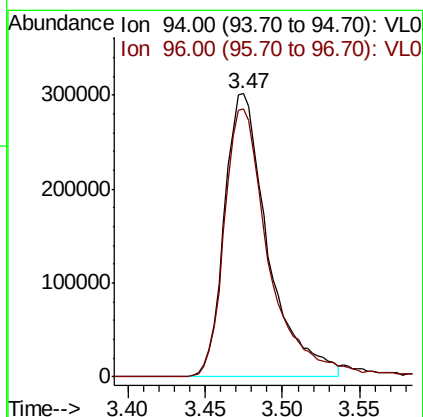
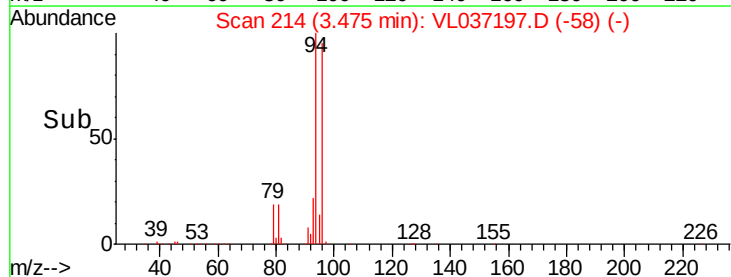
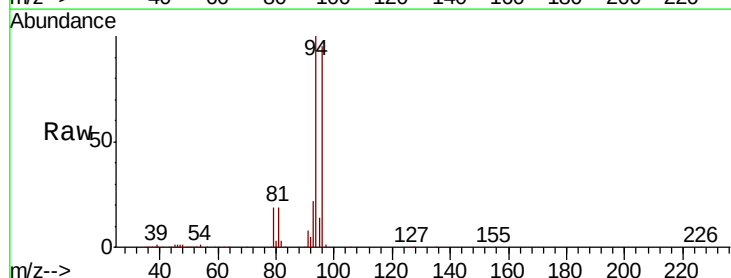
Acq: 17 Jun 2021 12:10

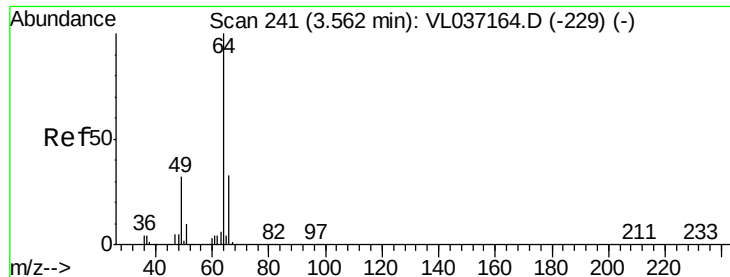
Tgt Ion: 94 Resp: 590160

Ion Ratio Lower Upper

94 100

96 94.6 72.6 108.8





#7

Chloroethane

Concen: 9.600 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

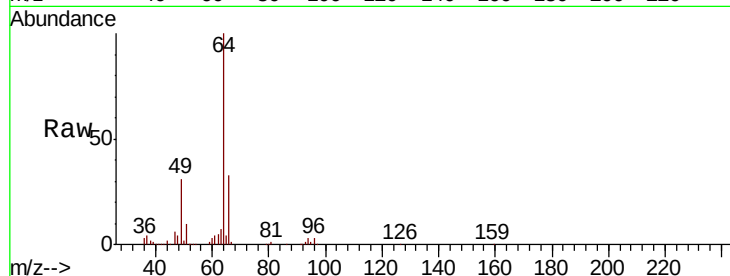
VL0617ABS01

Tot Ion: 64 Resp: 349814

Ion Ratio Lower Upper

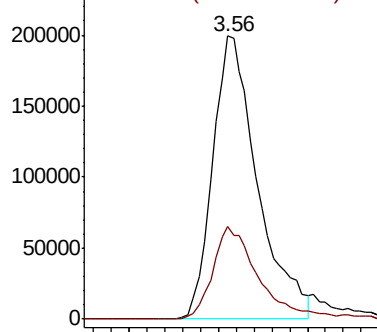
64 100

66 32.7 26.2 39.4

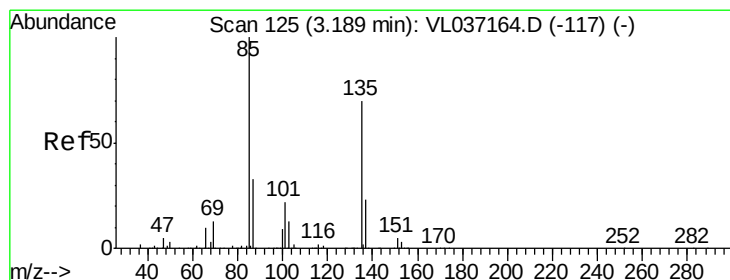
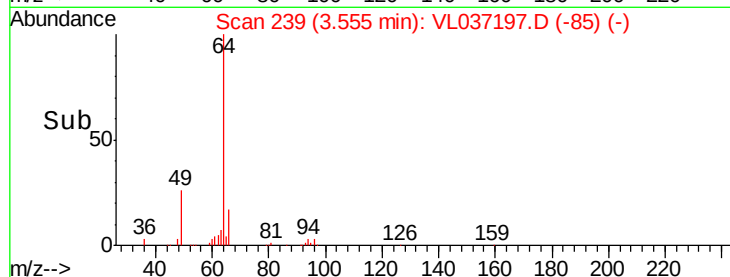


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.845 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037197.D

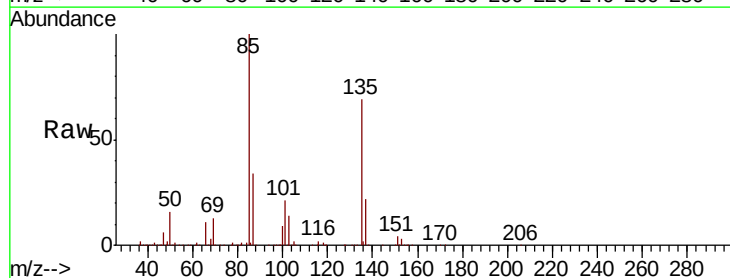
Acq: 17 Jun 2021 12:10

Tgt Ion: 85 Resp: 2513894

Ion Ratio Lower Upper

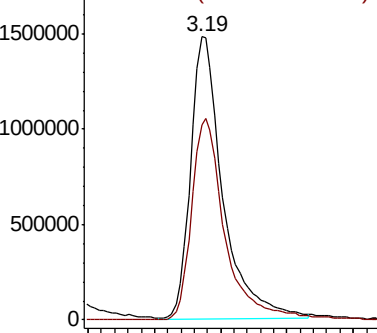
85 100

135 74.5 60.4 90.6

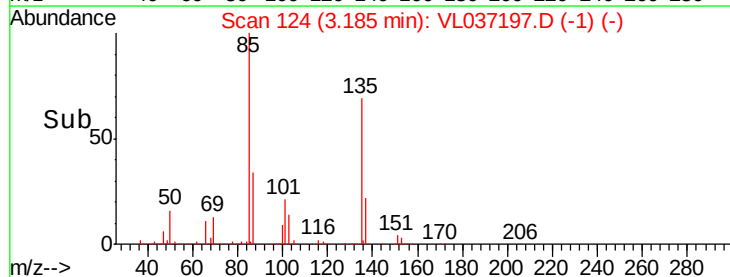


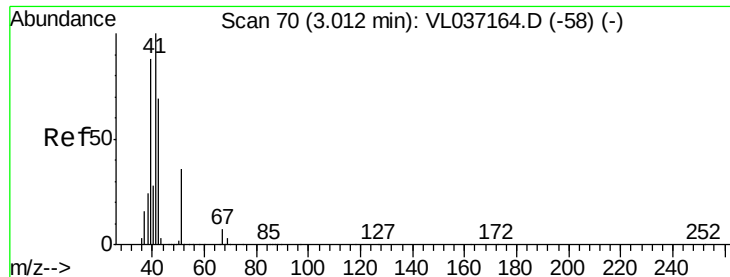
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 9.439 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

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ClientSampleId :

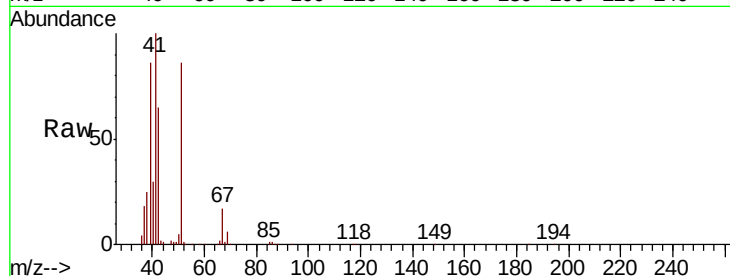
VL0617ABS01

Tot Ion: 41 Resp: 839942

Ion Ratio Lower Upper

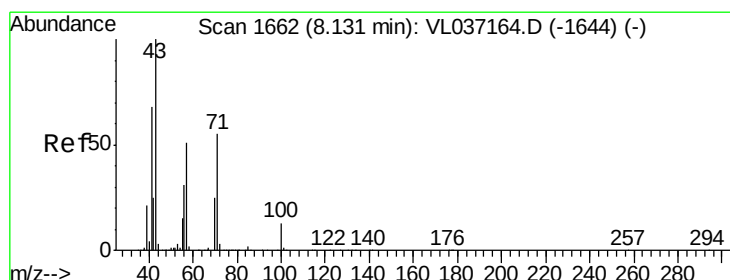
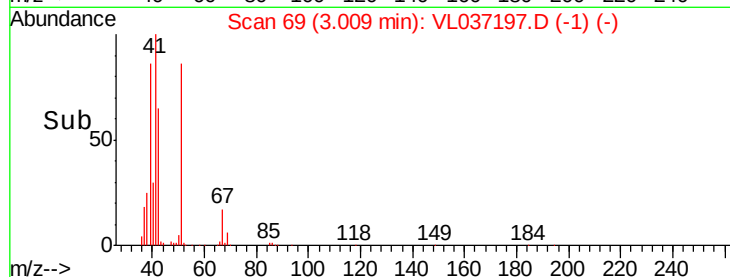
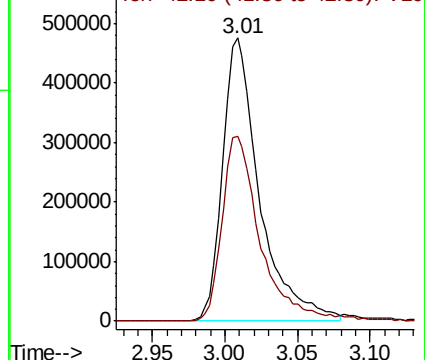
41 100

42 68.4 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: 10.008 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037197.D

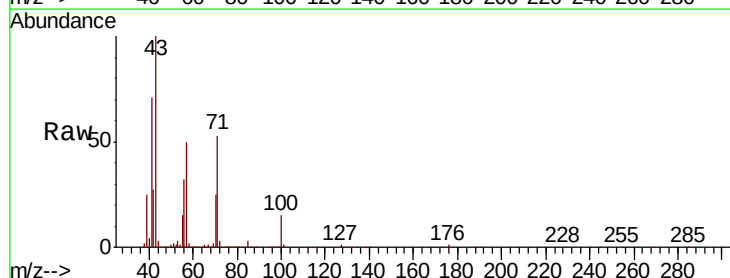
Acq: 17 Jun 2021 12:10

Tgt Ion: 43 Resp: 2156823

Ion Ratio Lower Upper

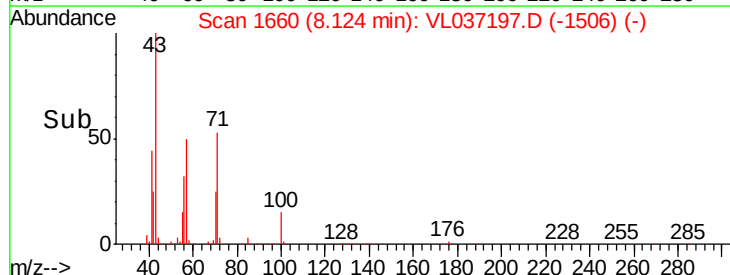
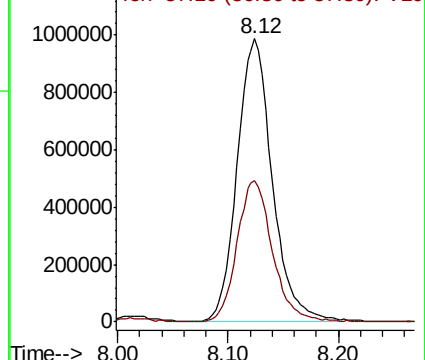
43 100

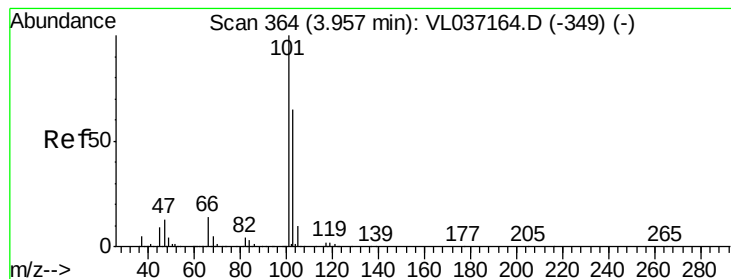
57 50.9 40.6 61.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.012 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

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ClientSampleId :

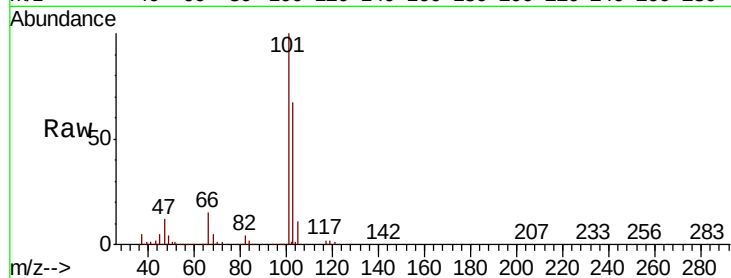
VL0617ABS01

Tot Ion:101 Resp: 2659135

Ion Ratio Lower Upper

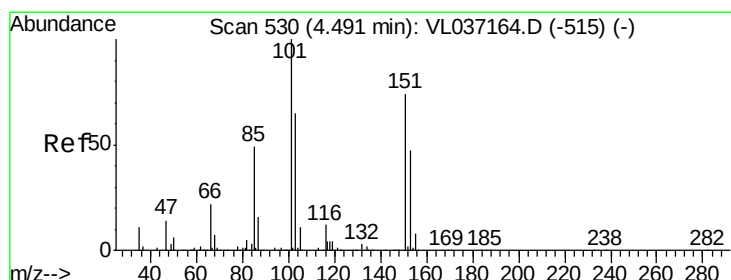
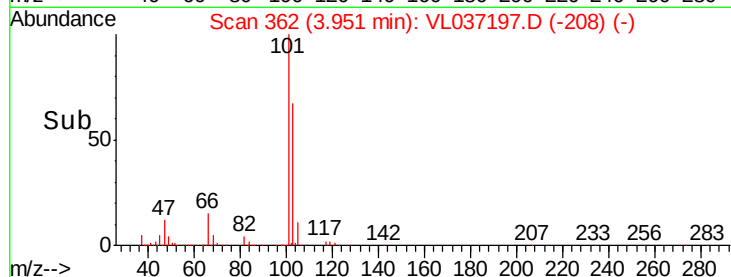
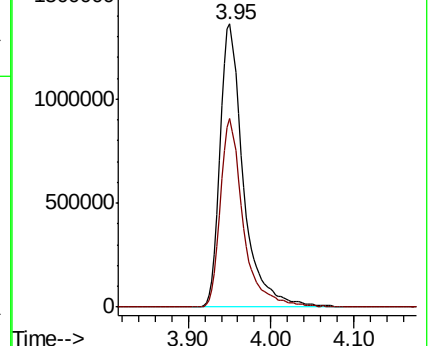
101 100

103 66.8 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: 9.901 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.01 min

Lab File: VL037197.D

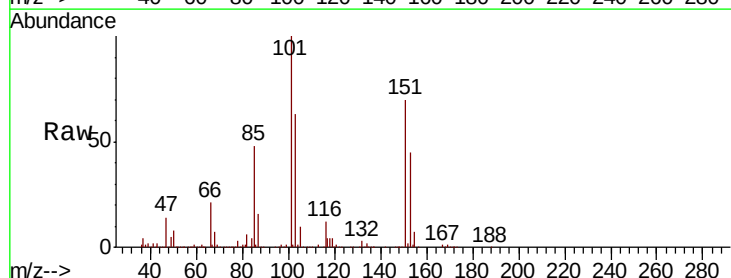
Acq: 17 Jun 2021 12:10

Tgt Ion:101 Resp: 1853753

Ion Ratio Lower Upper

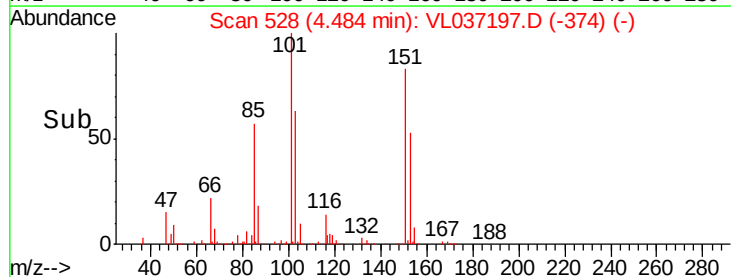
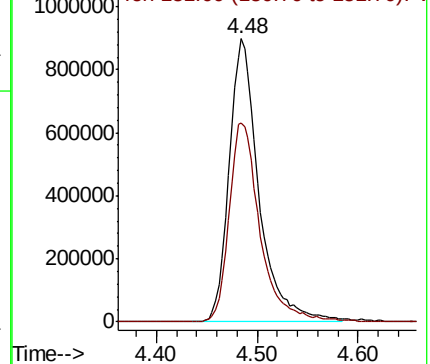
101 100

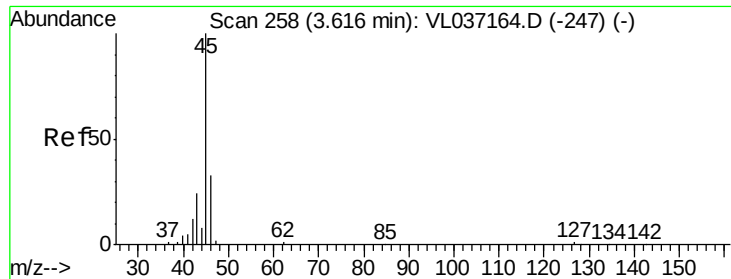
151 73.5 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 3.201 ppbv

RT: 3.61 min Scan# 257

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

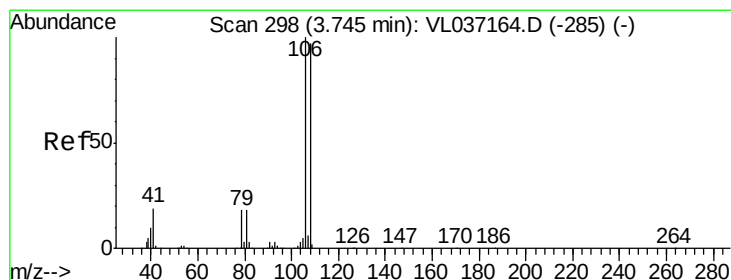
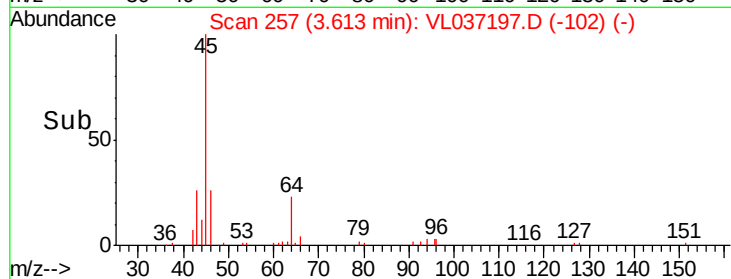
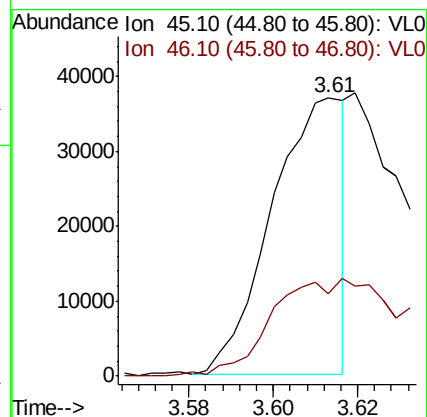
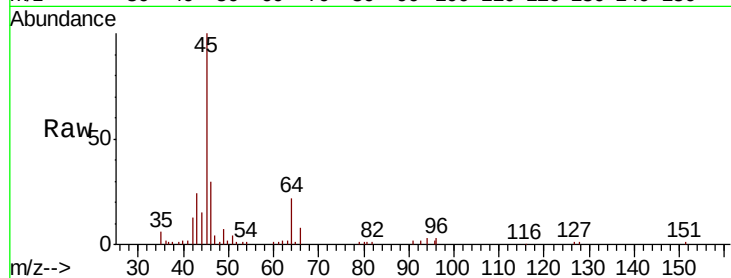
VL0617ABS01

Tot Ion: 45 Resp: 44066

Ion Ratio Lower Upper

45 100

46 0.0 34.2 137.0#



#14

Bromoethene

Concen: 9.895 ppbv

RT: 3.74 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

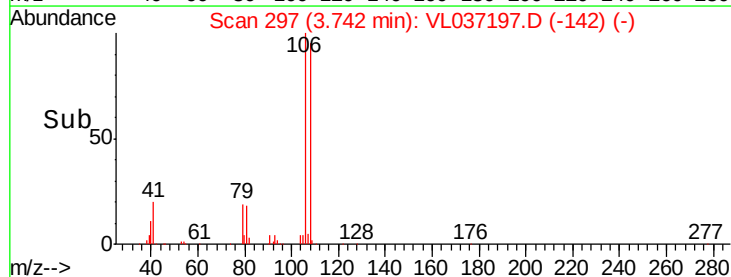
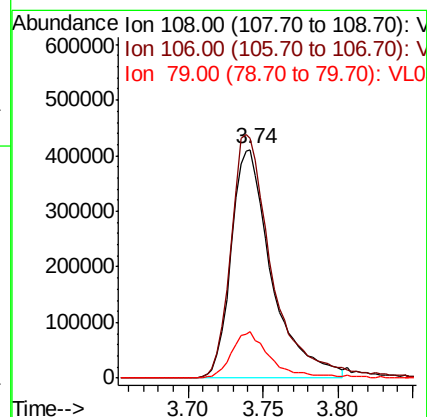
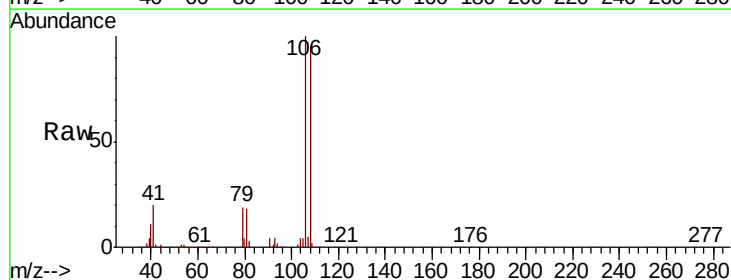
Tgt Ion: 108 Resp: 773232

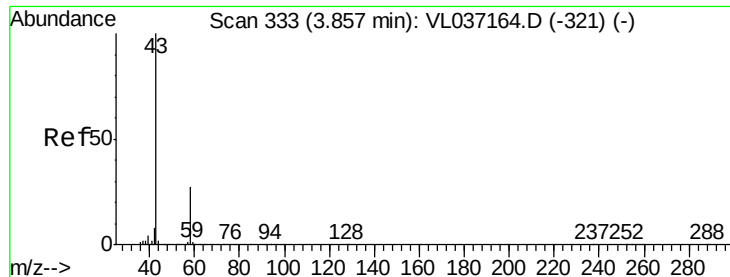
Ion Ratio Lower Upper

108 100

106 110.4 86.8 130.2

79 20.5 15.6 23.4





#15

Acetone

Concen: 8.194 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

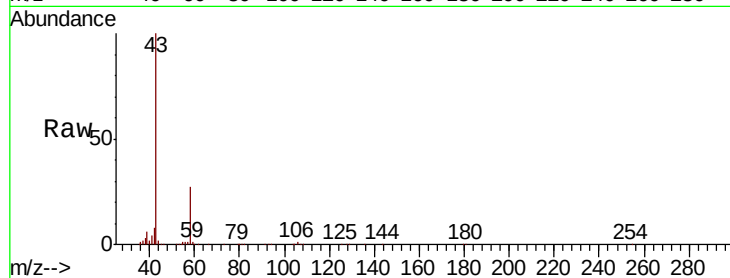
VL0617ABS01

Tot Ion: 43 Resp: 1322513

Ion Ratio Lower Upper

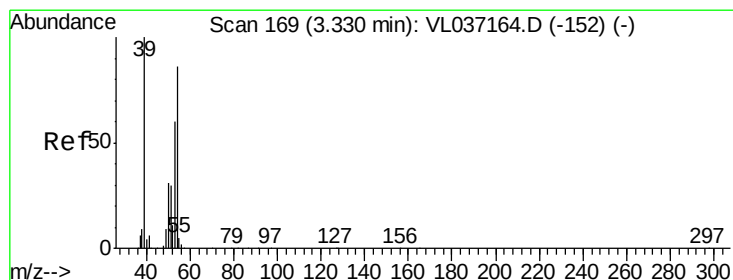
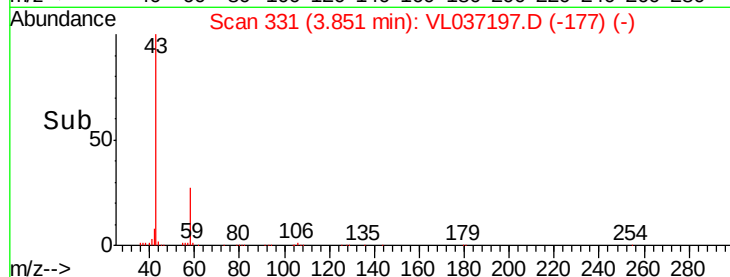
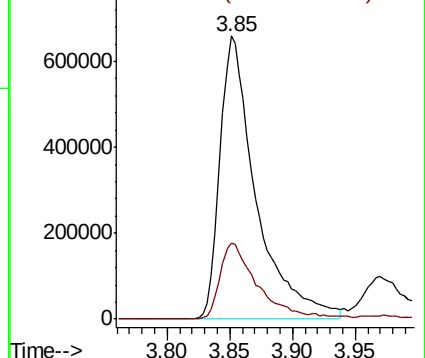
43 100

58 28.5 23.7 35.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.146 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.00 min

Lab File: VL037197.D

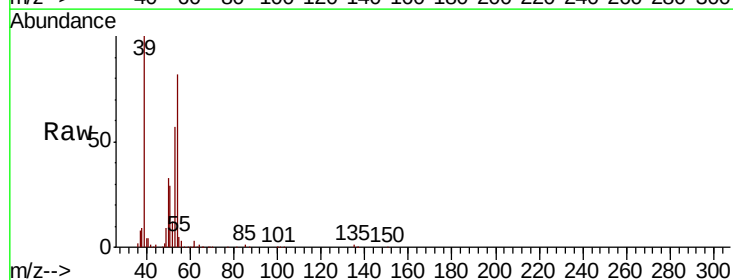
Acq: 17 Jun 2021 12:10

Tgt Ion: 39 Resp: 968098

Ion Ratio Lower Upper

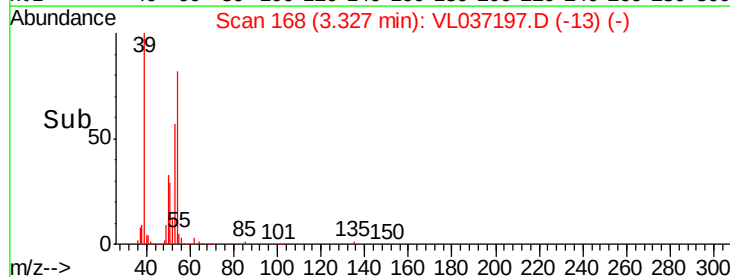
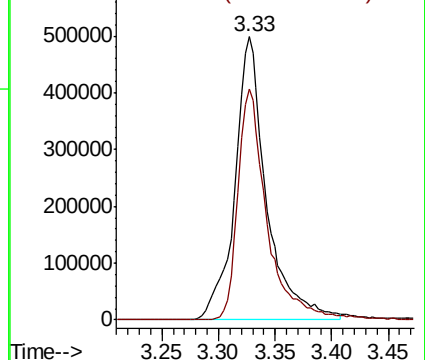
39 100

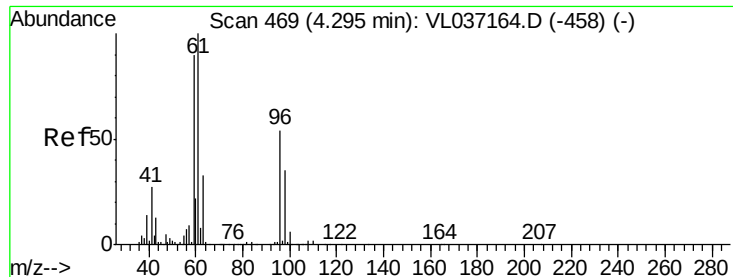
54 76.2 61.2 91.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



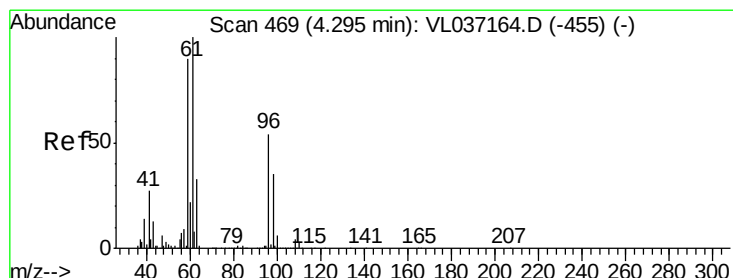
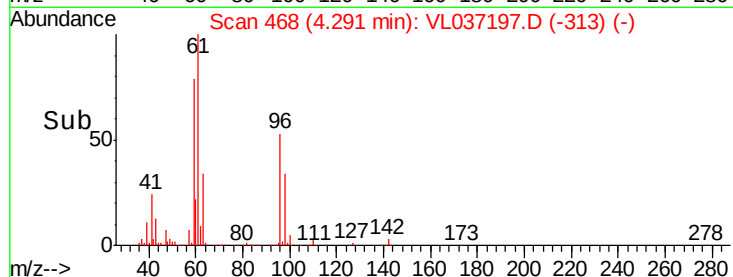
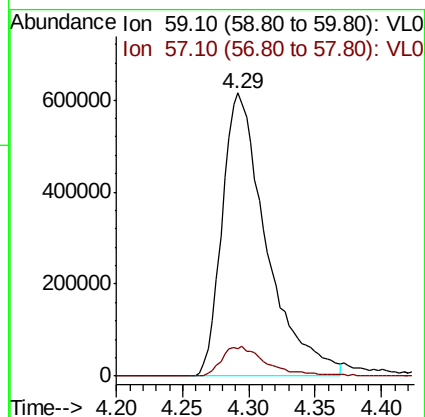
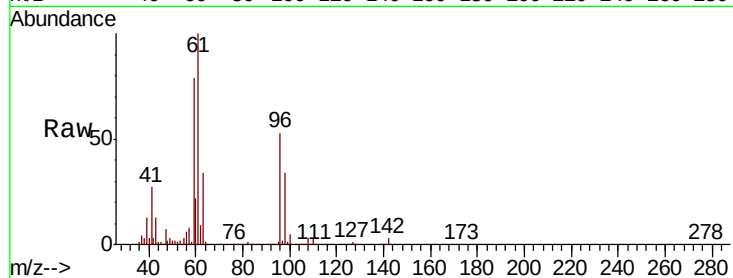


#17

tert-Butyl alcohol
 Concen: 9.588 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

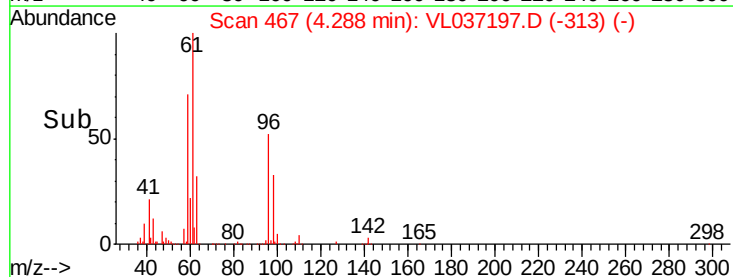
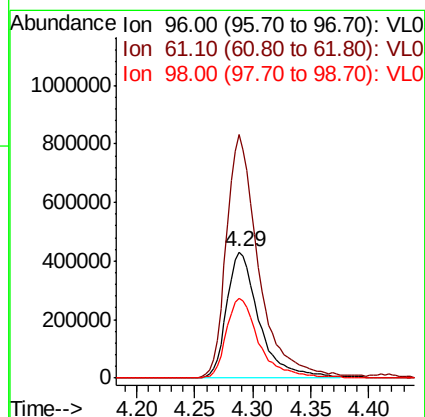
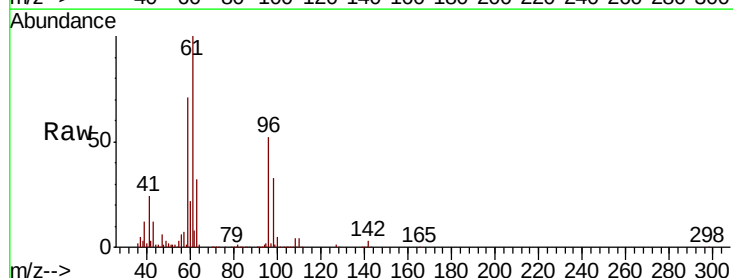
Tot Ion: 59 Resp: 1430251
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.8 13.2

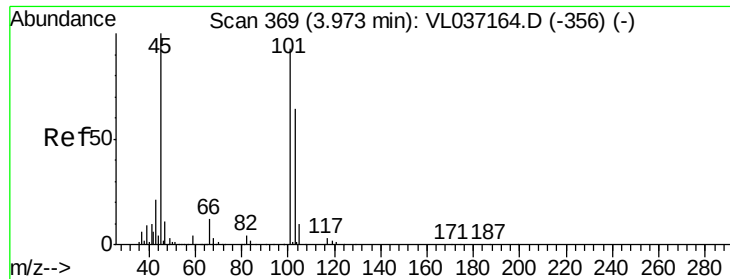


#18

1,1-Dichloroethene
 Concen: 10.078 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion: 96 Resp: 836142
 Ion Ratio Lower Upper
 96 100
 61 192.9 148.6 222.8
 98 63.6 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.079 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

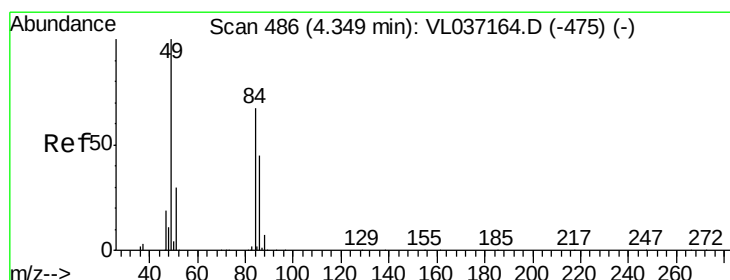
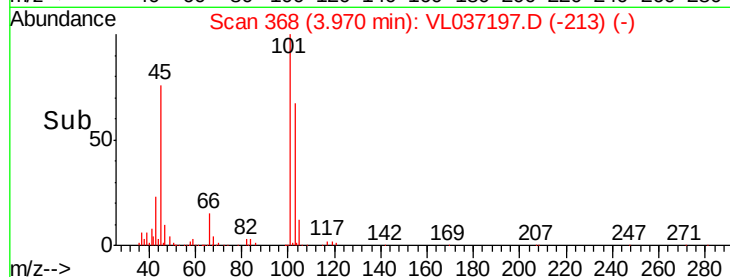
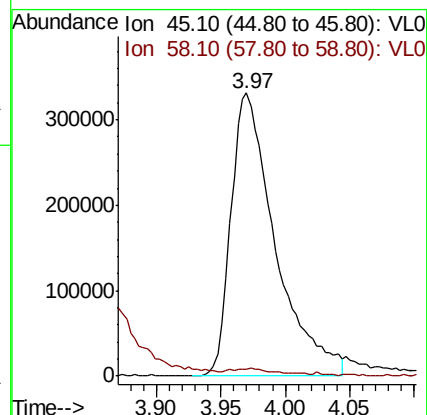
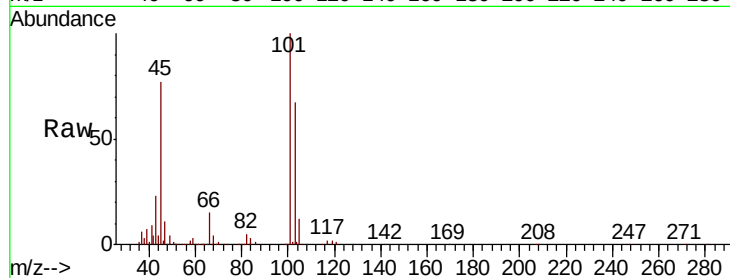
VL0617ABS01

Tot Ion: 45 Resp: 789818

Ion Ratio Lower Upper

45 100

58 3.6 2.4 3.6



#20

Methylene Chloride

Concen: 7.081 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion: 84 Resp: 684238

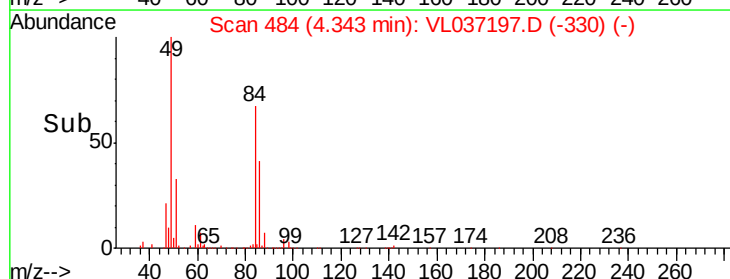
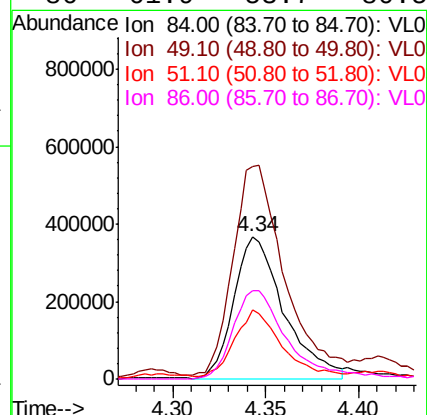
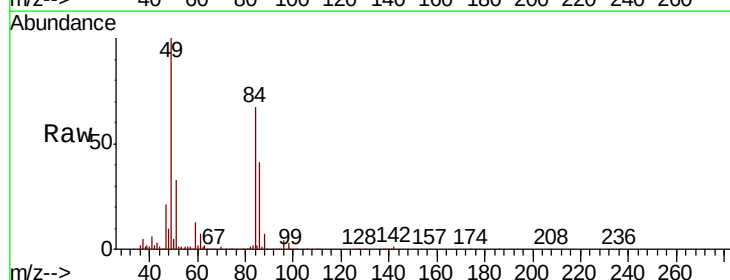
Ion Ratio Lower Upper

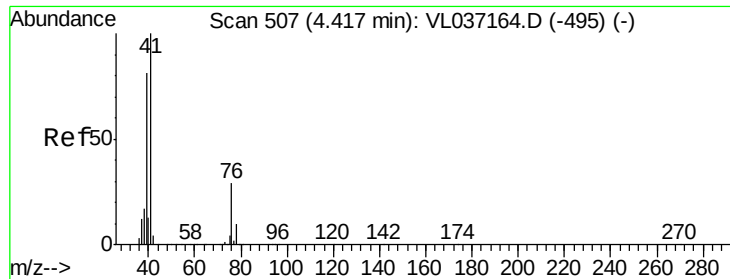
84 100

49 147.8 119.7 179.5

51 46.9 36.1 54.1

86 61.9 53.7 80.5

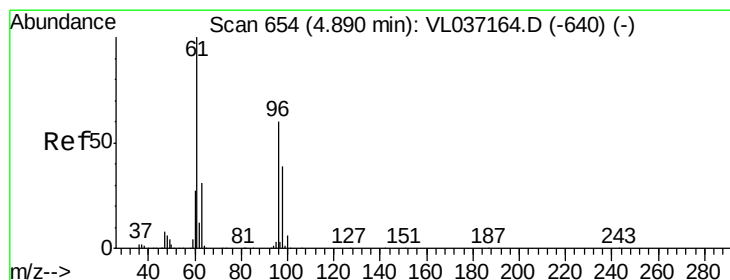
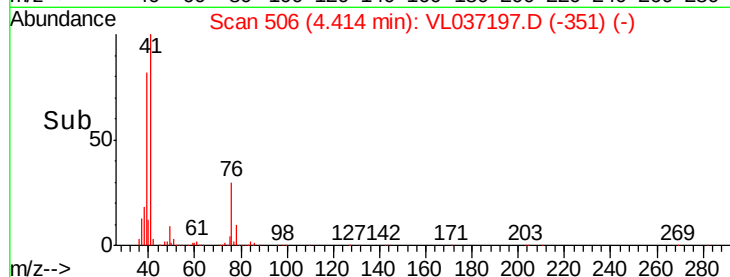
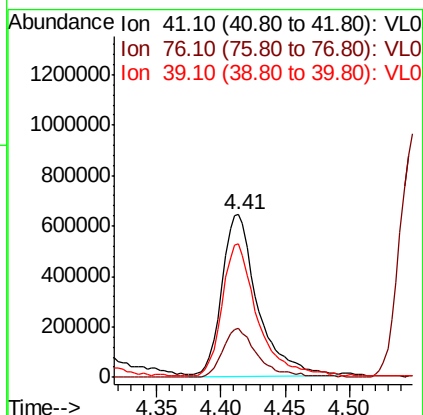
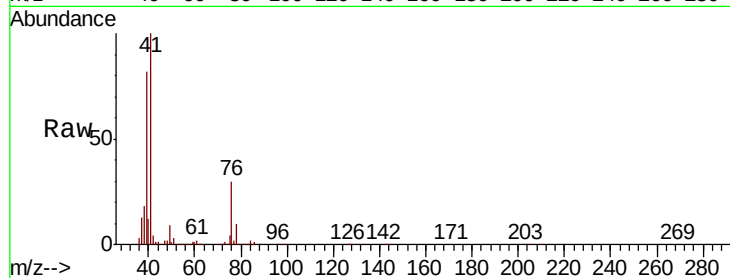




#21
Allvl Chloride
Concen: 10.176 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

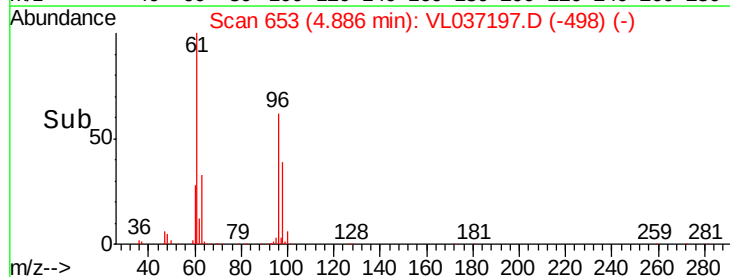
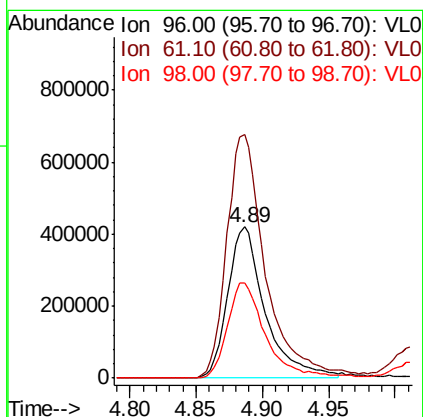
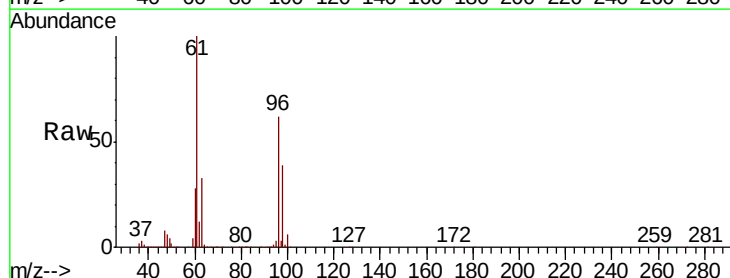
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

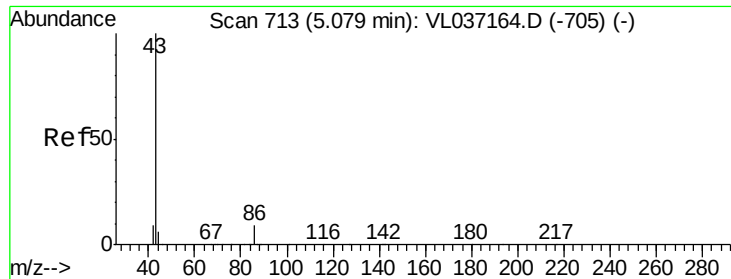
Tot Ion: 41 Resp: 1238037
Ion Ratio Lower Upper
41 100
76 30.1 24.6 37.0
39 81.1 65.4 98.0



#22
trans-1,2-Dichloroethene
Concen: 10.047 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 96 Resp: 824842
Ion Ratio Lower Upper
96 100
61 161.1 133.9 200.9
98 63.0 52.9 79.3



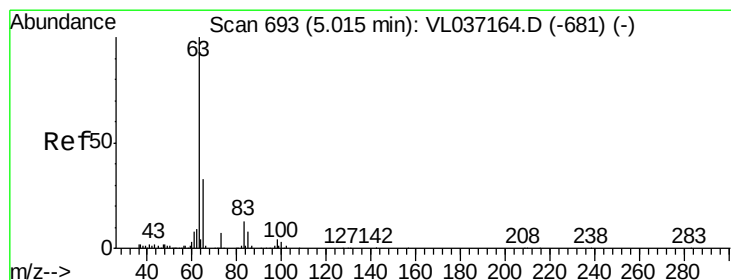
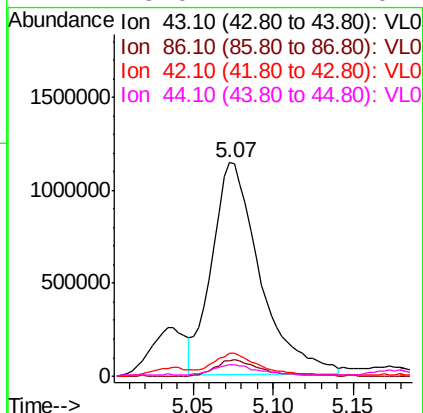
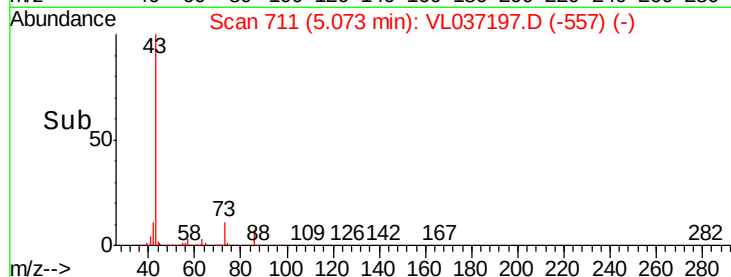
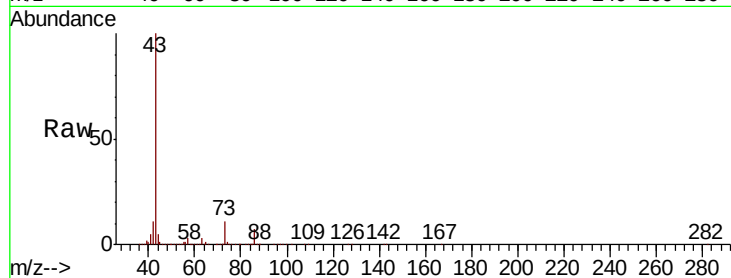


#23
 Vinyl Acetate
 Concen: 10.201 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion: 43 Resp: 2360916

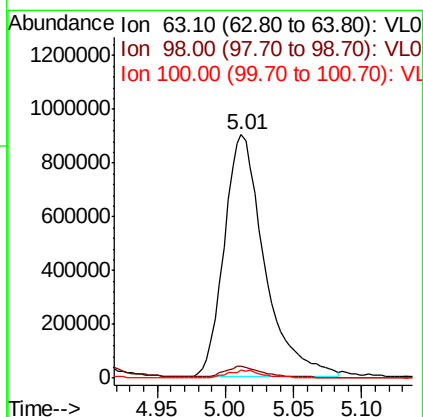
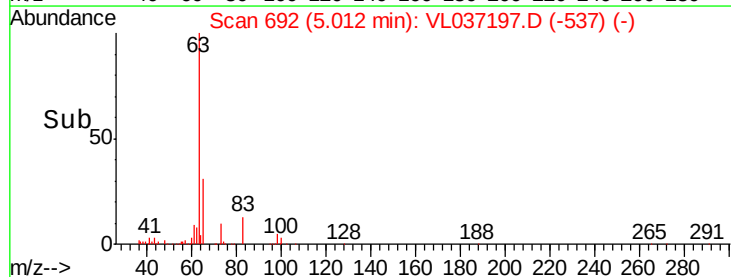
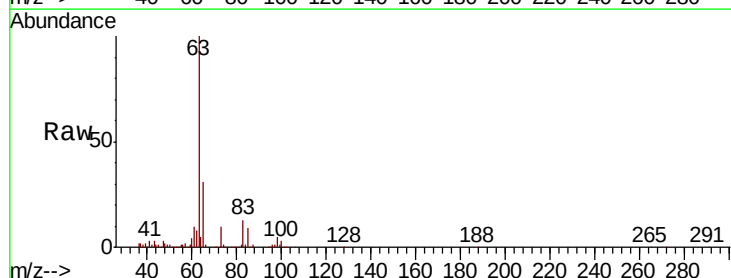
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	10.6	8.2	12.2
44	5.0	4.2	6.4

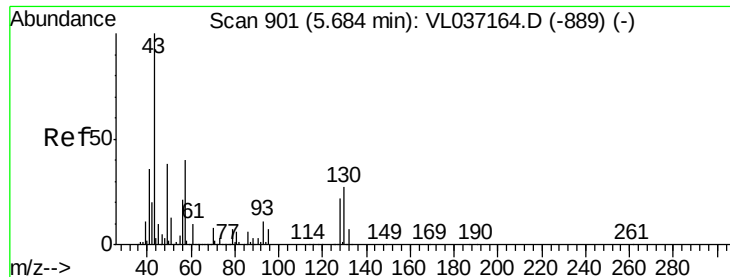


#24
 1,1-Dichloroethane
 Concen: 9.868 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion: 63 Resp: 1838699

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	3.0	1.4	4.0



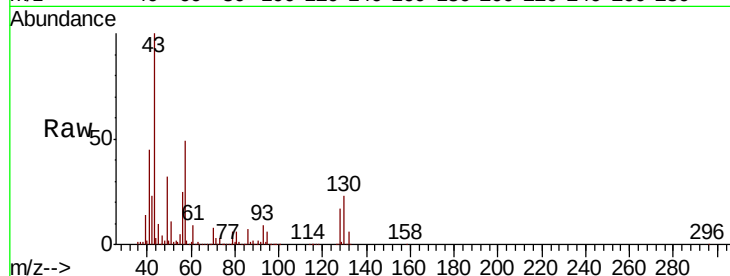


#25
Ethyl Acetate
Concen: 9.723 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 43 Resp: 3397257

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	10.0	8.1	12.1
70	6.9	5.5	8.3



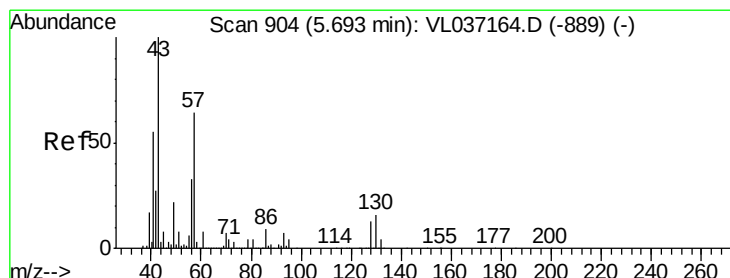
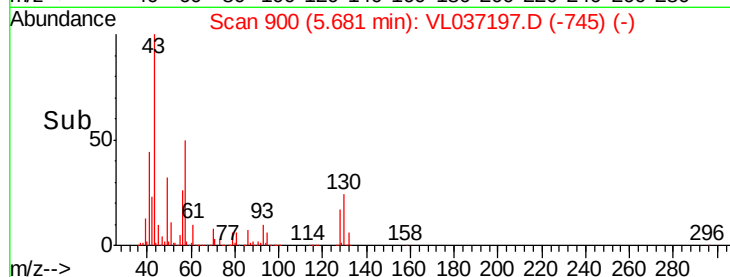
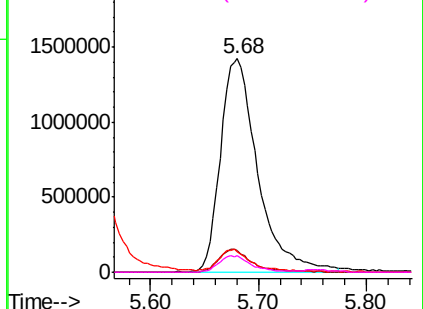
Abundance

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

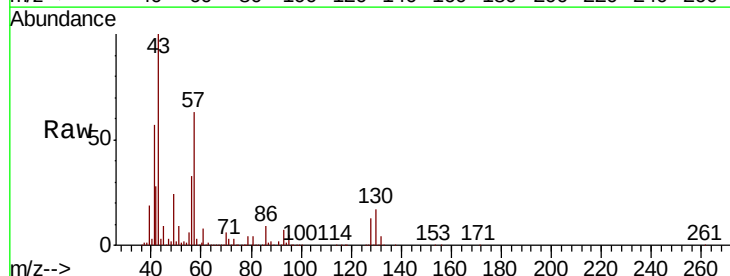
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.256 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 57 Resp: 1634660

Ion	Ratio	Lower	Upper
57	100		
41	93.1	73.5	110.3
43	212.2	170.7	256.1
56	53.2	42.4	63.6



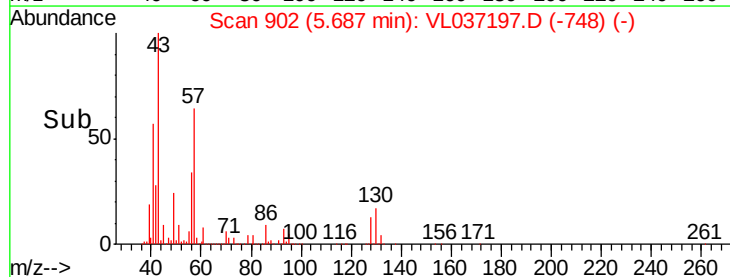
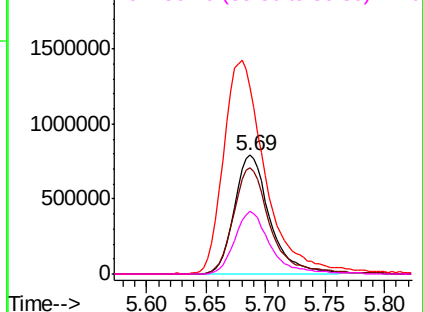
Abundance

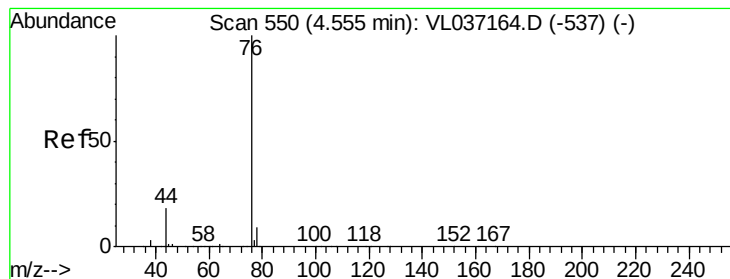
Ion 57.10 (56.80 to 57.80): VL0

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: 11.214 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

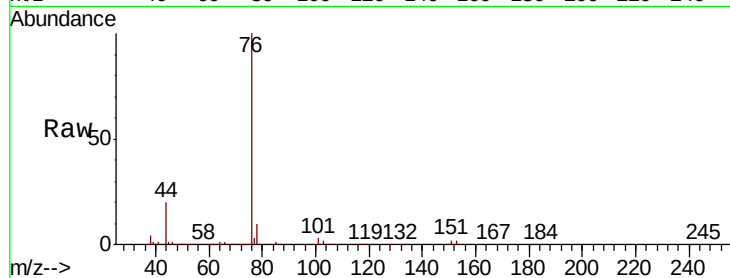
Tot Ion: 76 Resp: 1940341

Ion Ratio Lower Upper

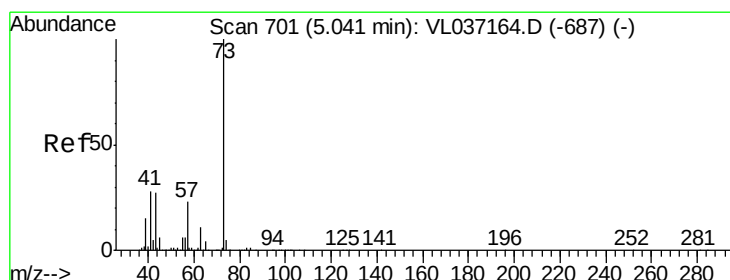
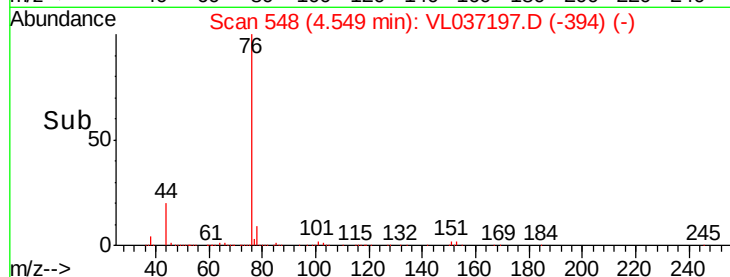
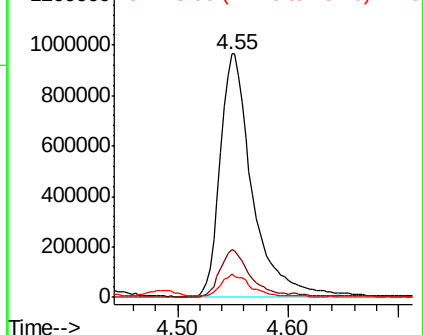
76 100

44 19.2 15.4 23.2

78 9.4 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: 10.072 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL037197.D

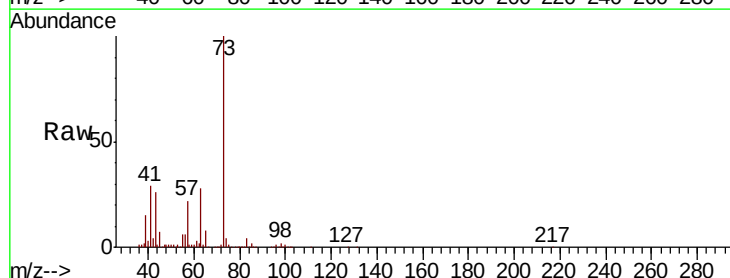
Acq: 17 Jun 2021 12:10

Tgt Ion: 73 Resp: 2138475

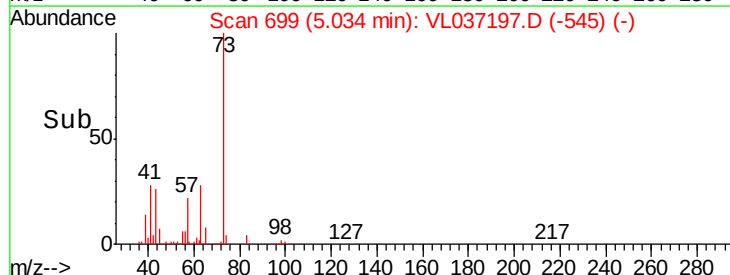
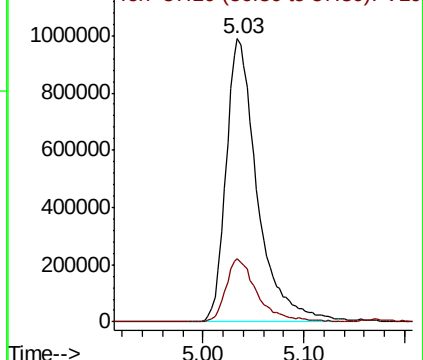
Ion Ratio Lower Upper

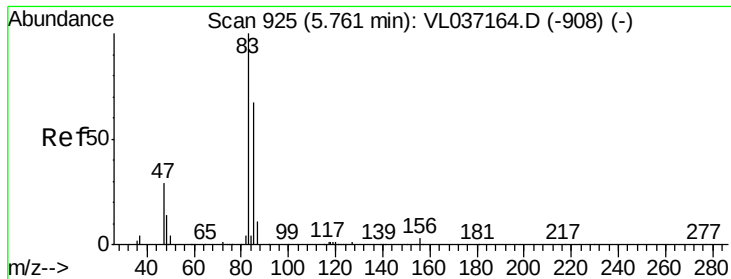
73 100

57 22.5 18.0 27.0



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

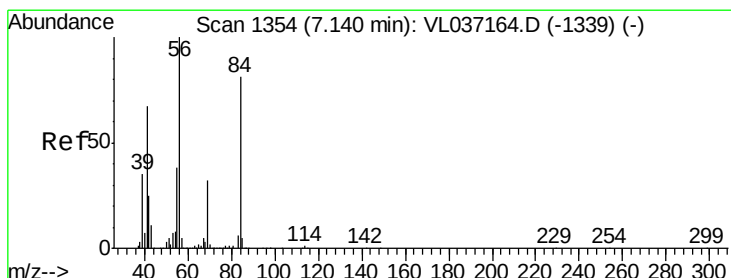
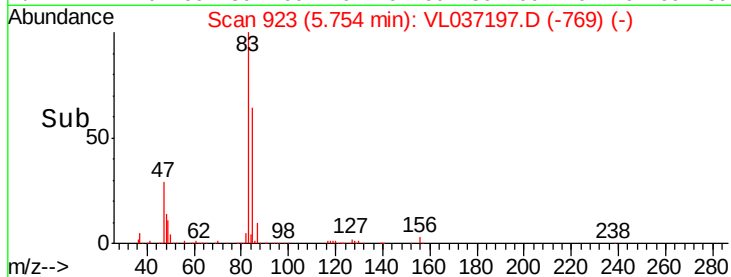
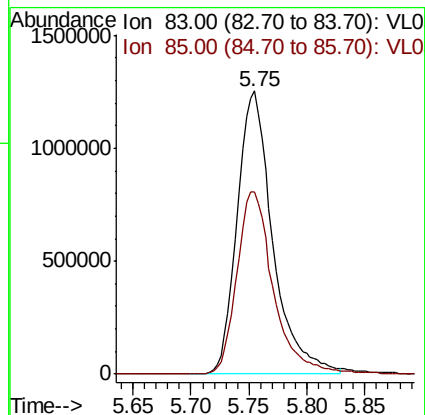
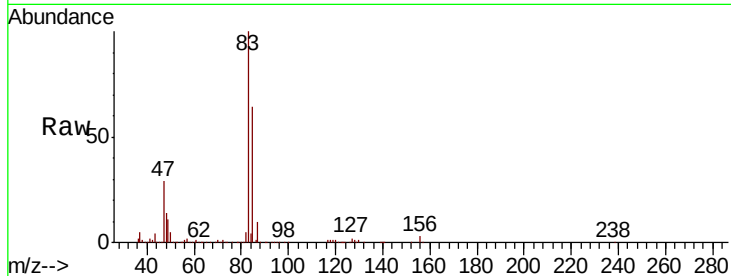




#29
Chloroform
Concen: 9.774 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

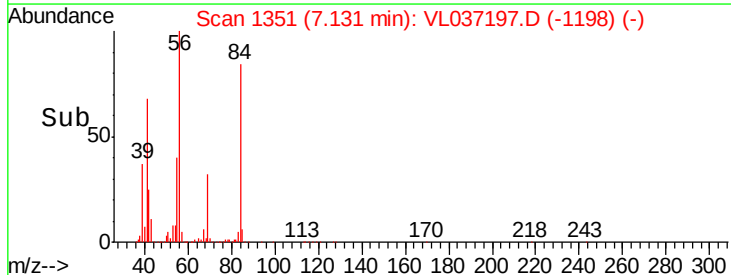
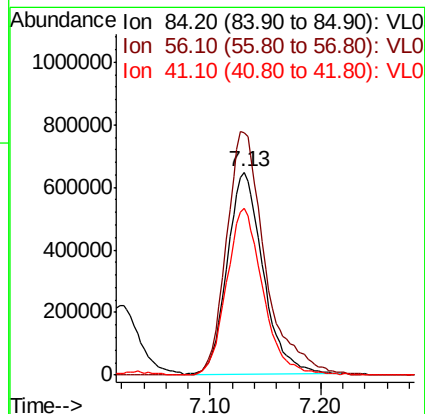
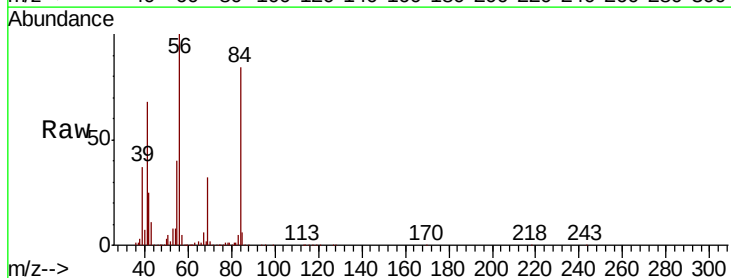
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

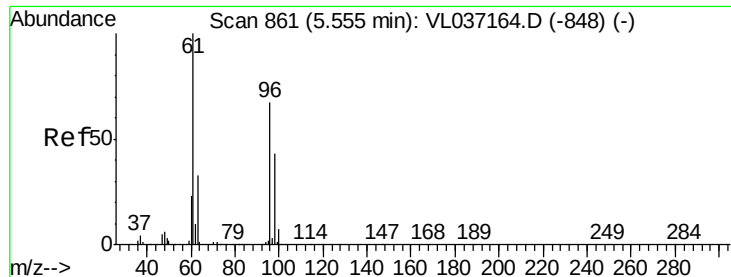
Tot Ion: 83 Resp: 2666319
Ion Ratio Lower Upper
83 100
85 64.1 53.6 80.4



#30
Cyclohexane
Concen: 9.901 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 84 Resp: 1456846
Ion Ratio Lower Upper
84 100
56 130.8 107.7 161.5
41 82.7 69.0 103.6





#31

cis-1,2-Dichloroethene

Concen: 10.245 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

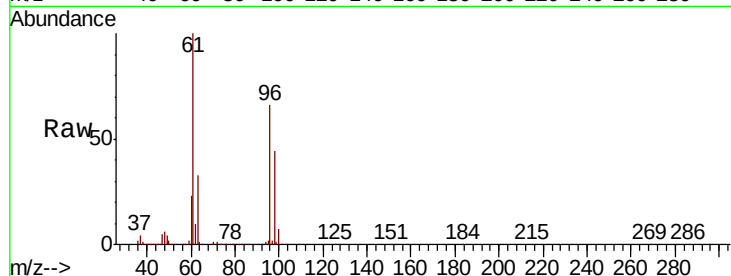
Tot Ion: 61 Resp: 1662568

Ion Ratio Lower Upper

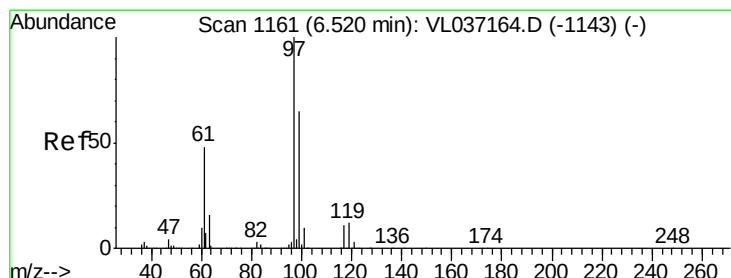
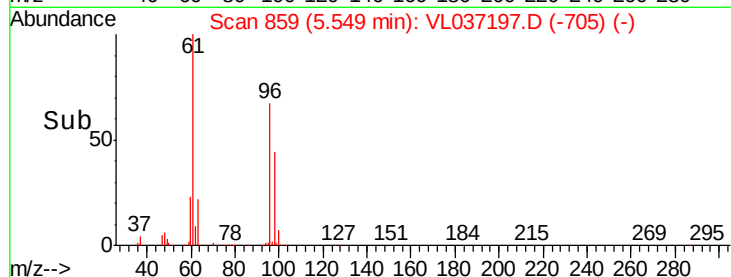
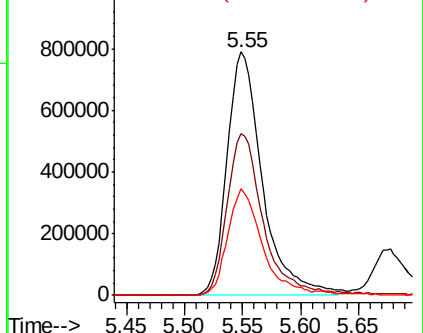
61 100

96 66.3 53.6 80.4

98 44.0 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: 9.520 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

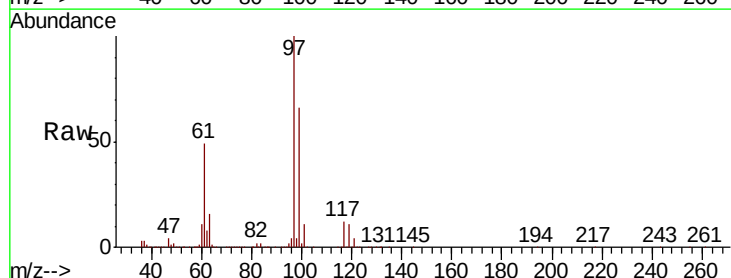
Tgt Ion: 97 Resp: 2779225

Ion Ratio Lower Upper

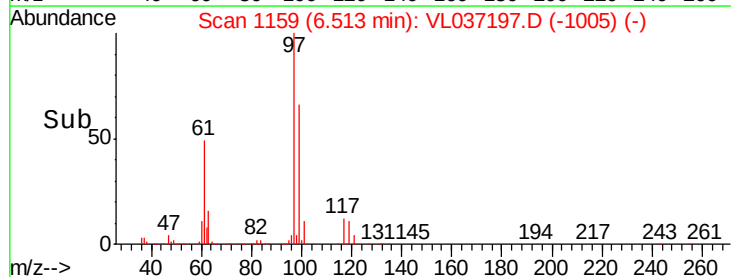
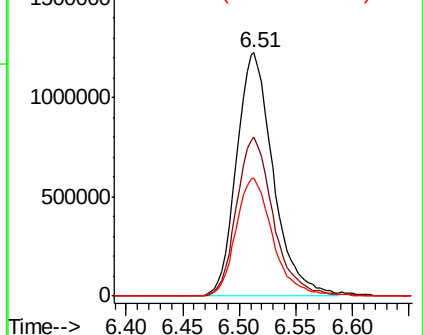
97 100

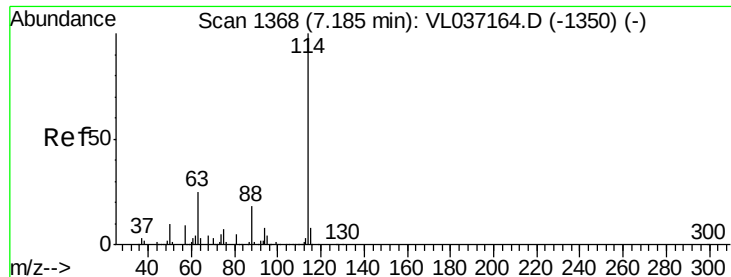
99 65.8 52.2 78.4

61 48.7 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

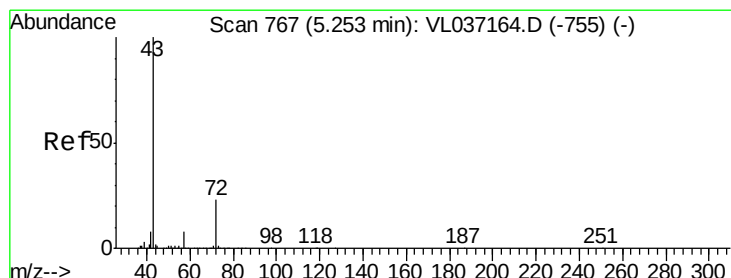
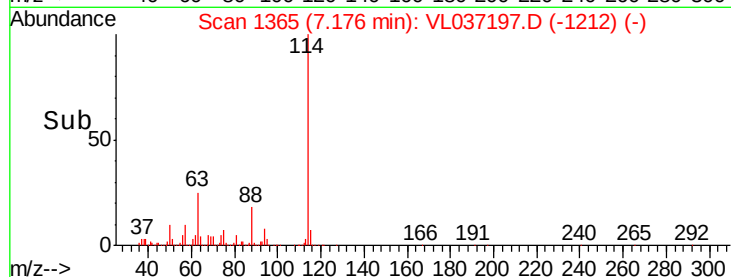
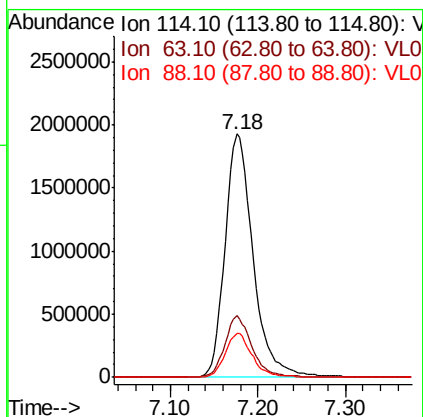
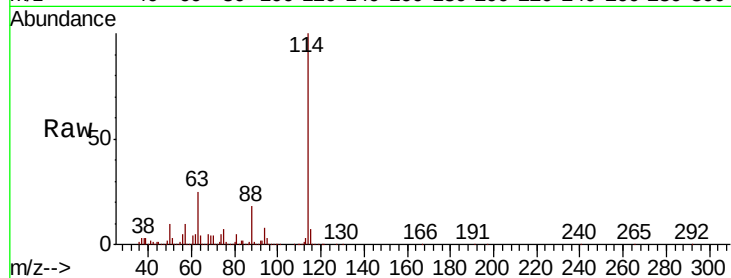




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

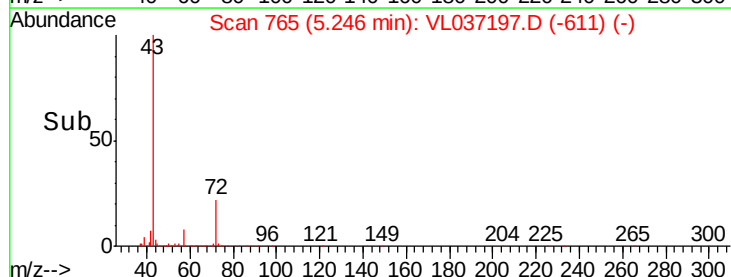
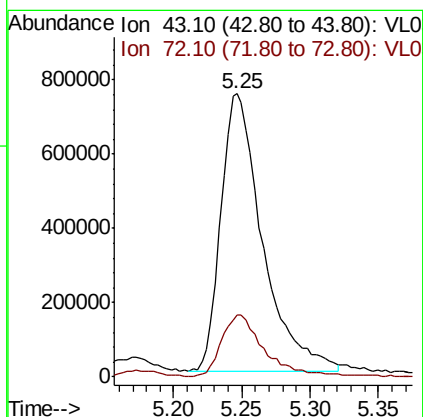
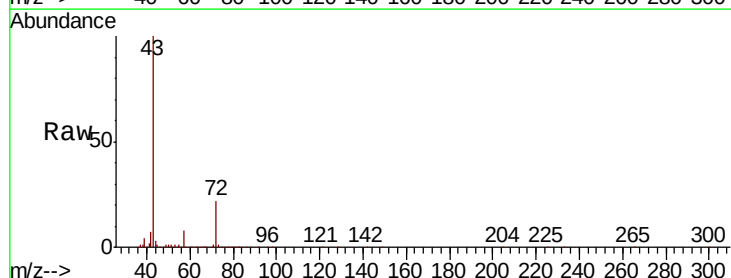
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

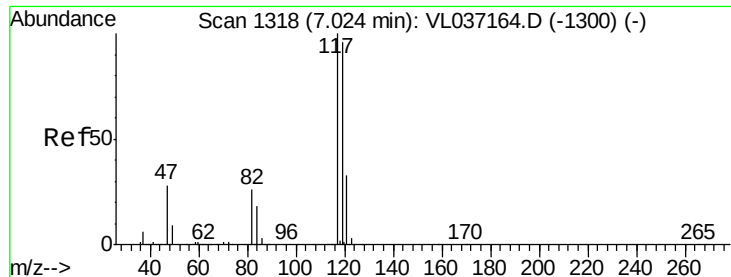
Tot Ion:114 Resp: 4304262
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.6 29.4
 88 17.6 14.2 21.2



#34
 2-Butanone
 Concen: 9.485 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion: 43 Resp: 1587738
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.9 28.3





#35

Carbon Tetrachloride

Concen: 10.330 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

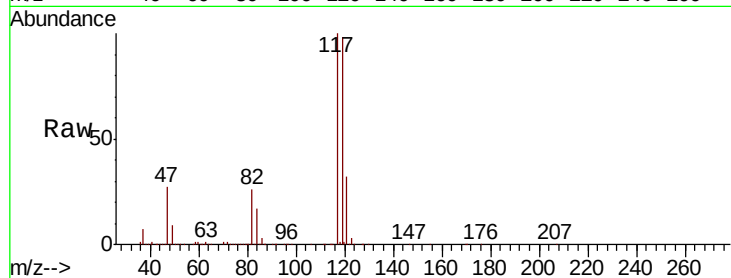
Tot Ion:117 Resp: 2982115

Ion Ratio Lower Upper

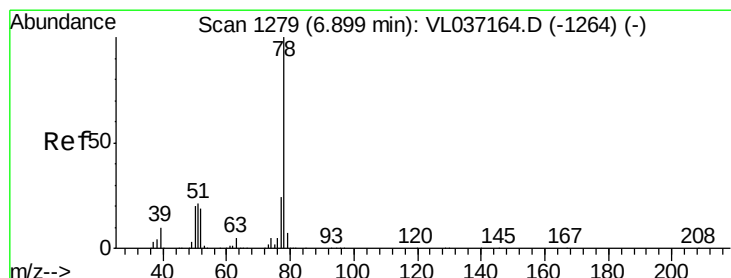
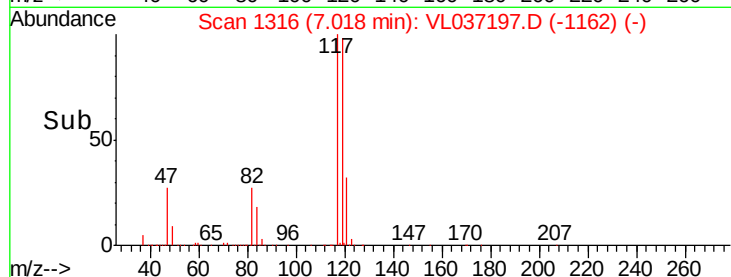
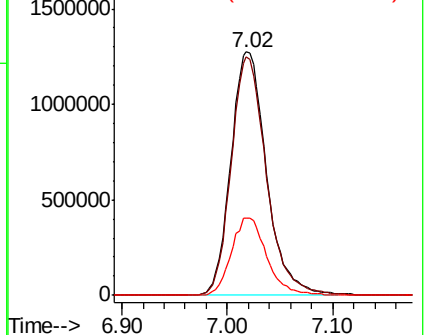
117 100

119 98.1 76.6 114.8

121 31.8 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: 9.775 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

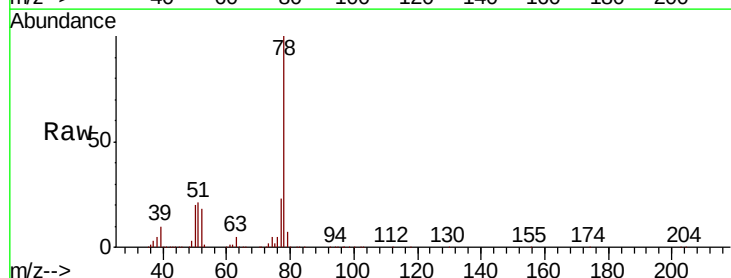
Tgt Ion: 78 Resp: 3402385

Ion Ratio Lower Upper

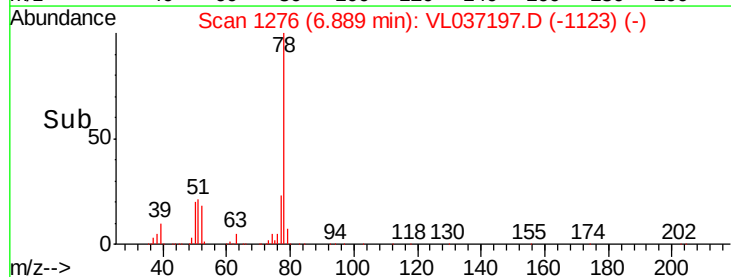
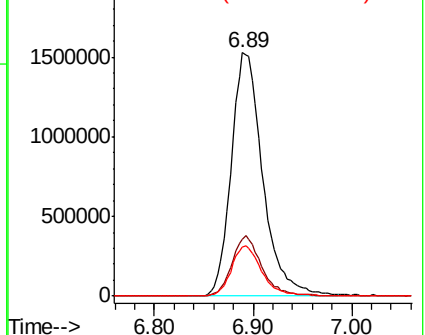
78 100

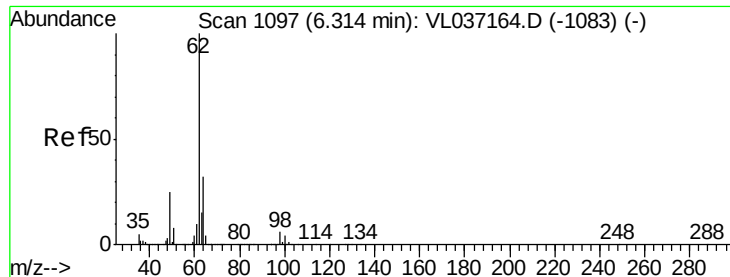
77 23.1 19.0 28.6

50 20.3 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: 9.996 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

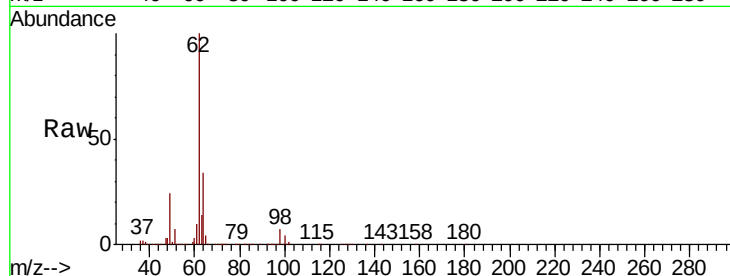
VL0617ABS01

Tot Ion: 62 Resp: 2021013

Ion Ratio Lower Upper

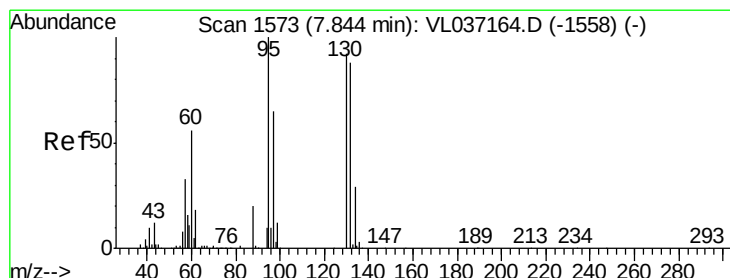
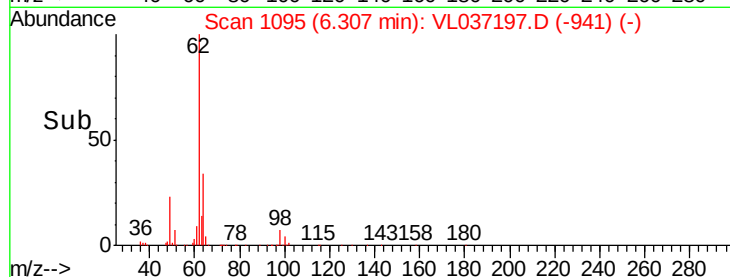
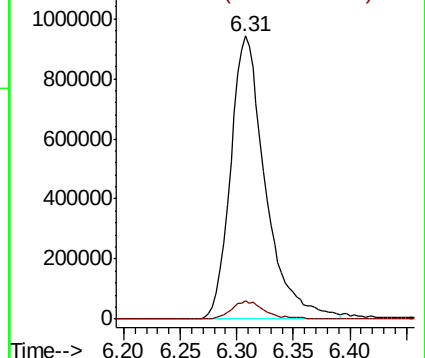
62 100

98 6.4 5.0 7.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.711 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion:130 Resp: 1441150

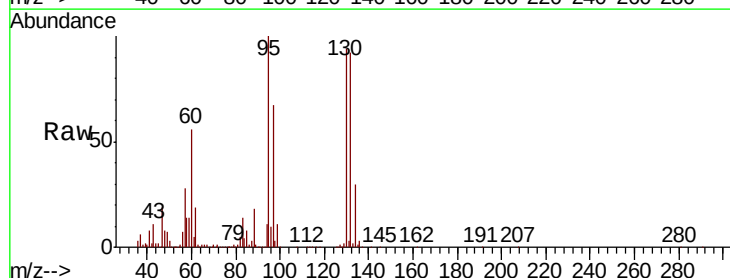
Ion Ratio Lower Upper

130 100

95 106.8 86.6 129.8

132 98.4 76.6 114.8

97 71.4 56.1 84.1

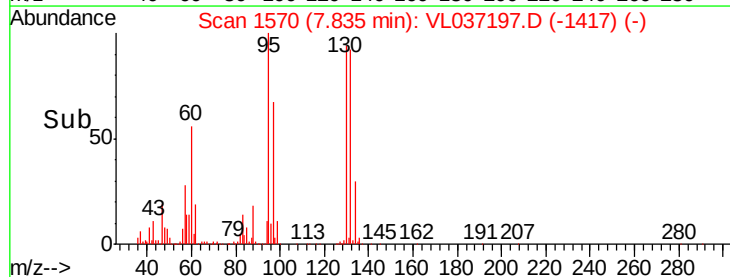
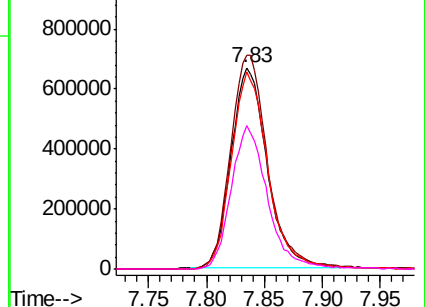


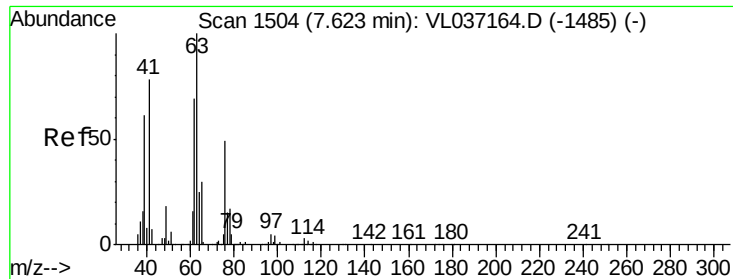
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



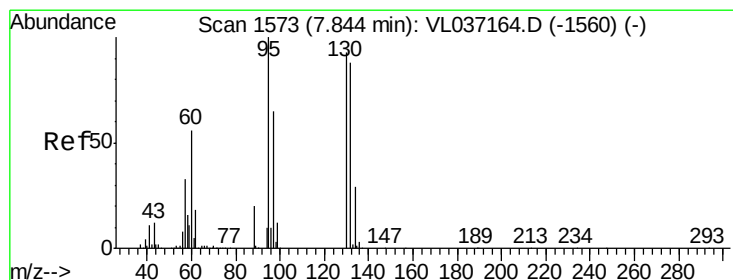
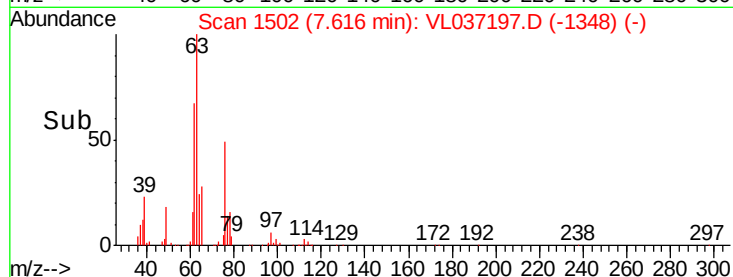
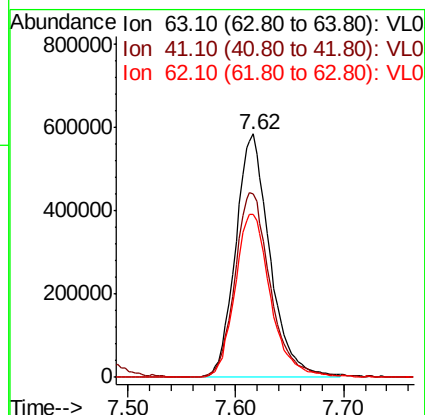
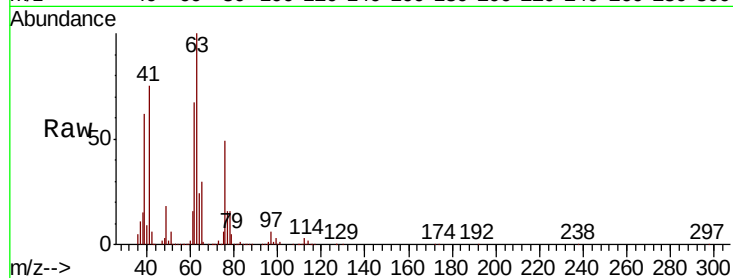


#39
 1,2-Dichloropropane
 Concen: 9.987 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion: 63 Resp: 1291667

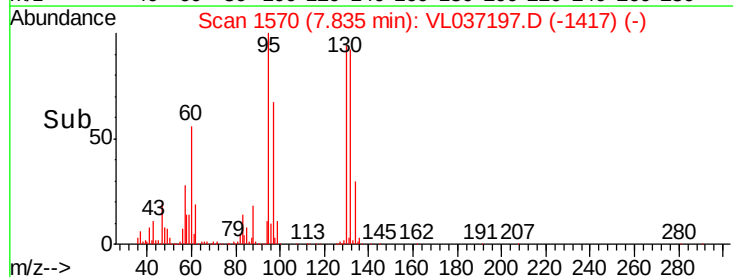
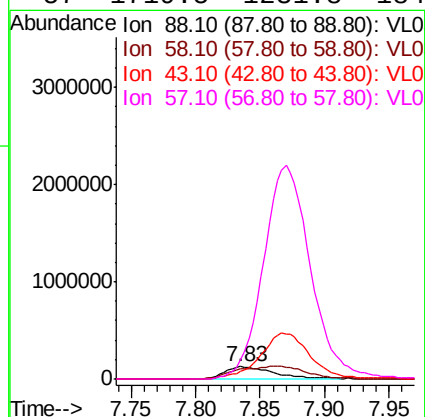
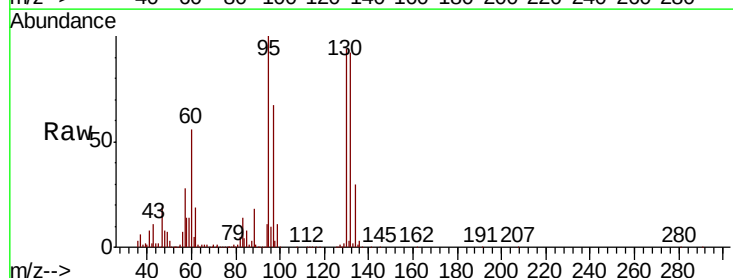
Ion	Ratio	Lower	Upper
63	100		
41	75.3	62.0	93.0
62	66.8	54.9	82.3

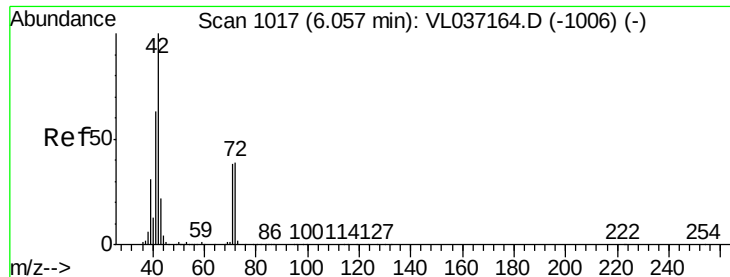


#40
 1,4-Dioxane
 Concen: 9.231 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion: 88 Resp: 327411

Ion	Ratio	Lower	Upper
88	100		
58	152.9	118.4	177.6
43	390.4	284.0	426.0
57	1719.5	1231.8	1847.6





#41

Tetrahydrofuran

Concen: 10.214 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

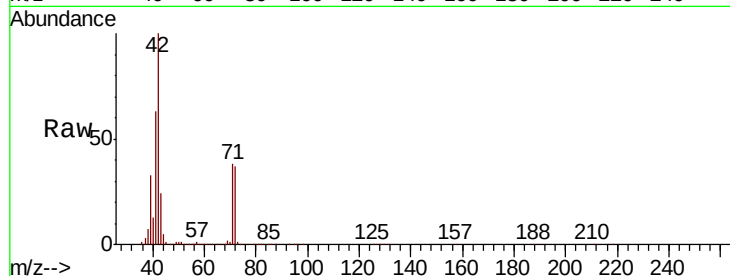
Tot Ion: 42 Resp: 794212

Ion Ratio Lower Upper

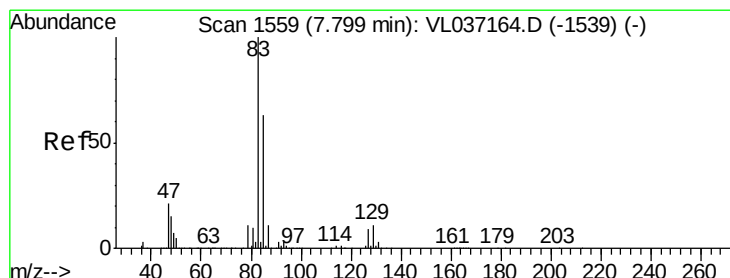
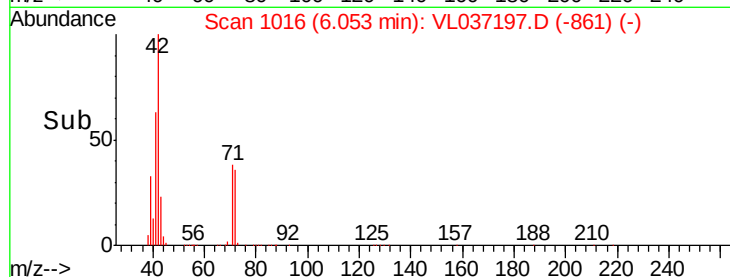
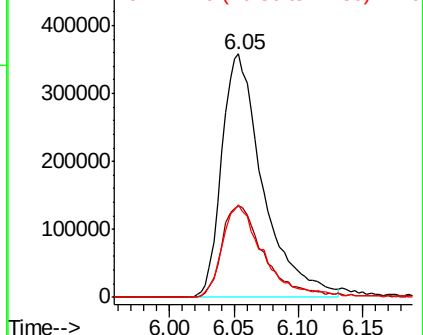
42 100

72 40.0 33.0 49.4

71 38.7 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: 10.175 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

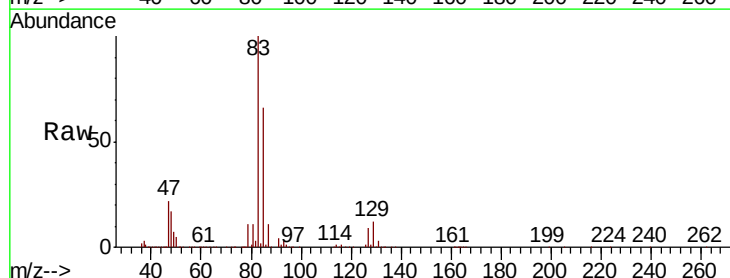
Tgt Ion: 83 Resp: 2838228

Ion Ratio Lower Upper

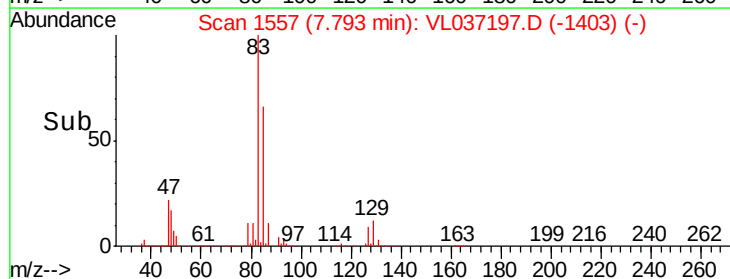
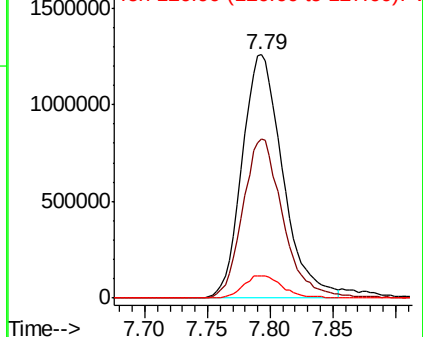
83 100

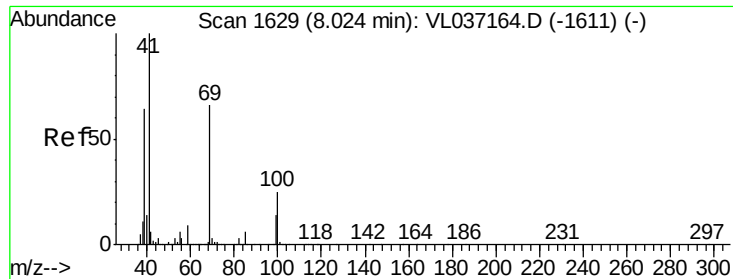
85 65.5 50.8 76.2

127 9.3 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

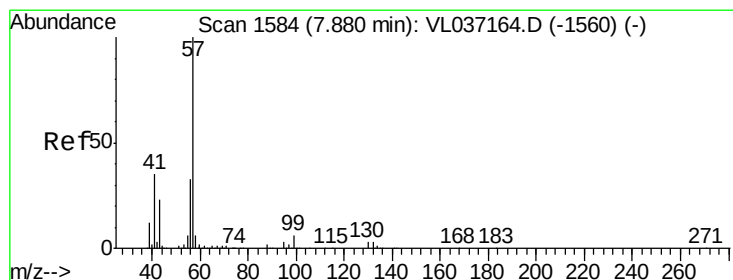
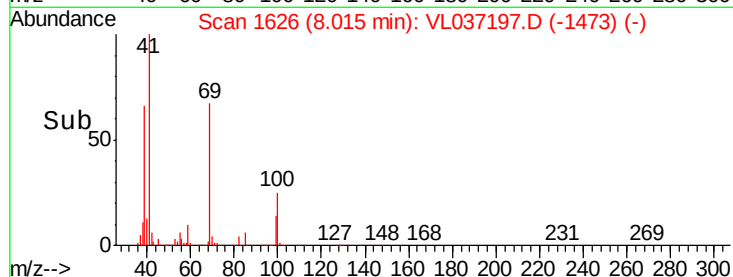
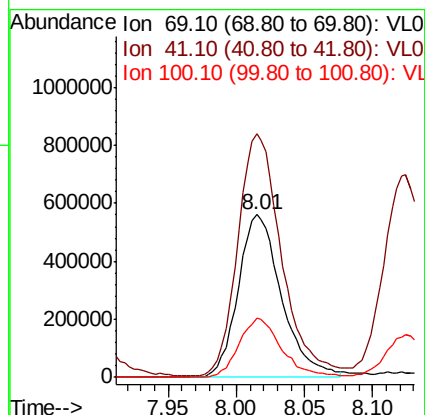
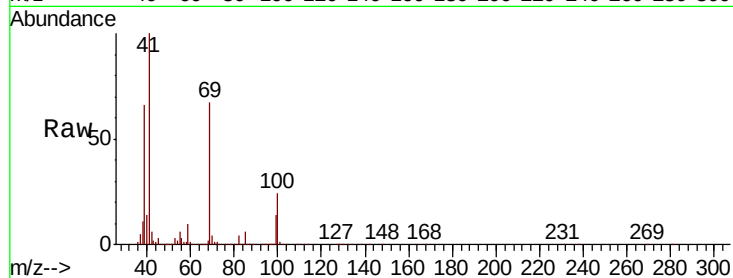




#43
Methyl Methacrylate
Concen: 10.278 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

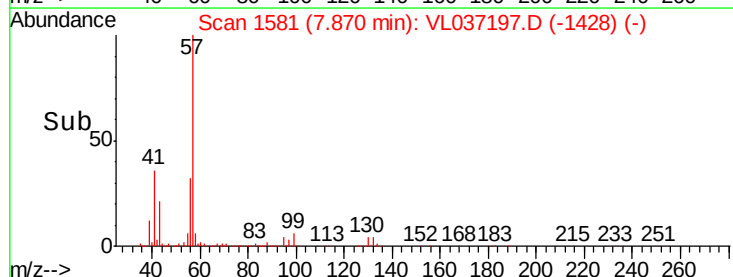
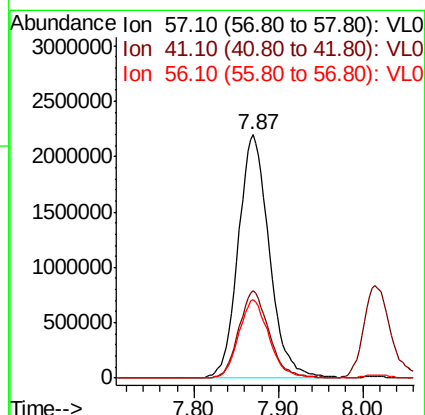
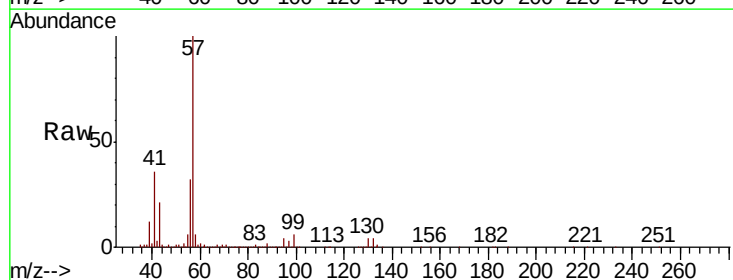
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

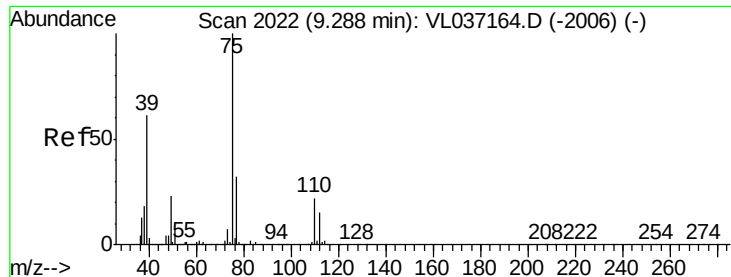
Tot Ion: 69 Resp: 1235455
Ion Ratio Lower Upper
69 100
41 152.2 119.4 179.0
100 35.7 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 9.599 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 57 Resp: 5625854
Ion Ratio Lower Upper
57 100
41 35.0 27.6 41.4
56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.952 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

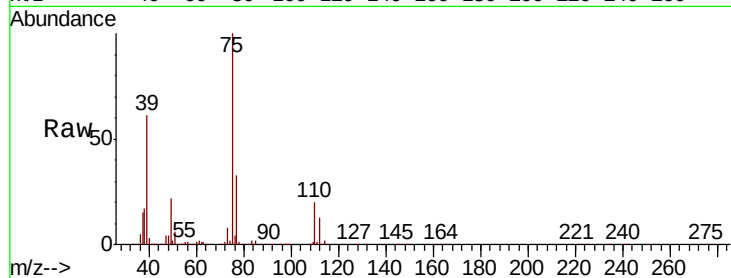
VL0617ABS01

Tot Ion: 75 Resp: 1267559

Ion Ratio Lower Upper

75 100

77 32.8 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

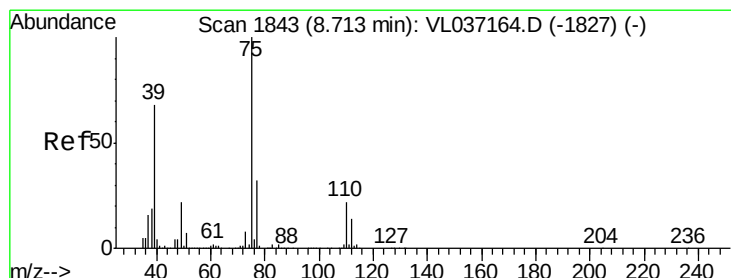
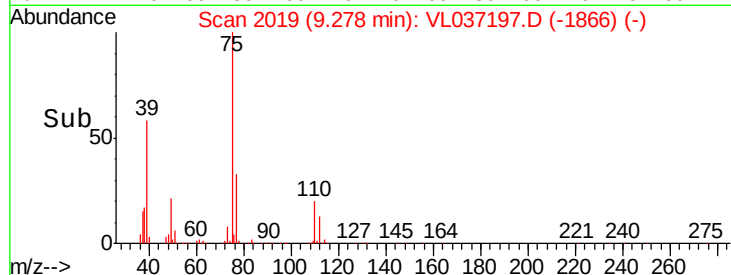
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.082 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

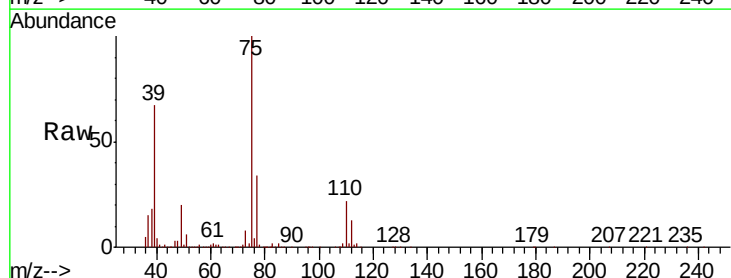
Tgt Ion: 75 Resp: 1607670

Ion Ratio Lower Upper

75 100

39 66.9 54.7 82.1

77 33.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

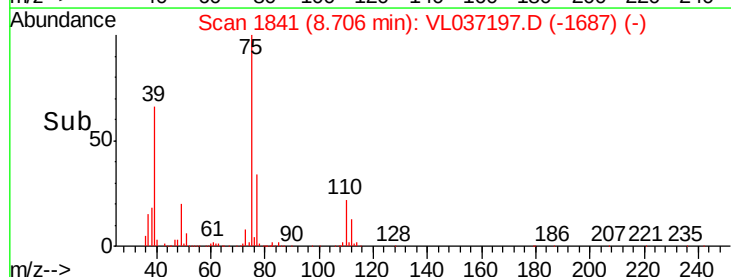
600000

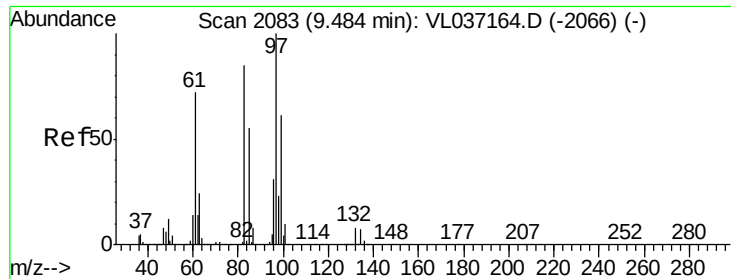
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.887 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 97 Resp: 1458879

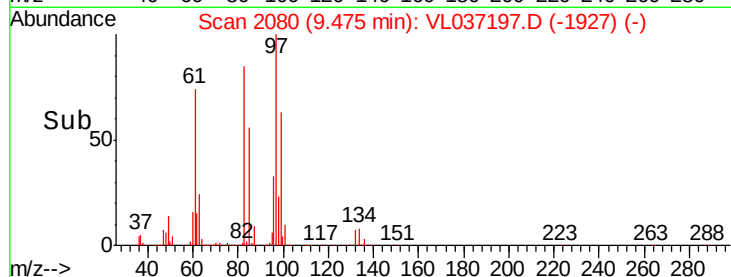
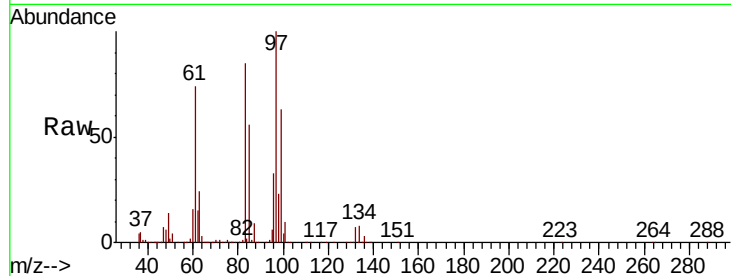
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.3	102.5
85	56.2	44.1	66.1
99	63.1	48.6	72.8

97 100

83 84.7 68.3 102.5

85 56.2 44.1 66.1

99 63.1 48.6 72.8



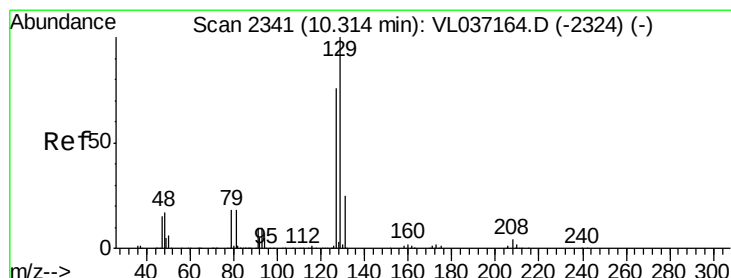
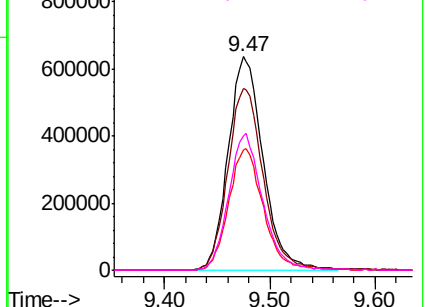
Abundance

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: 11.101 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. -0.01 min

Lab File: VL037197.D

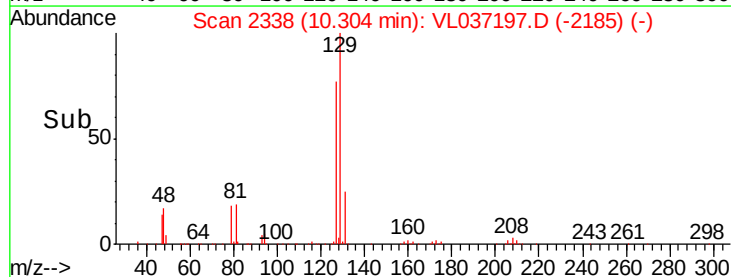
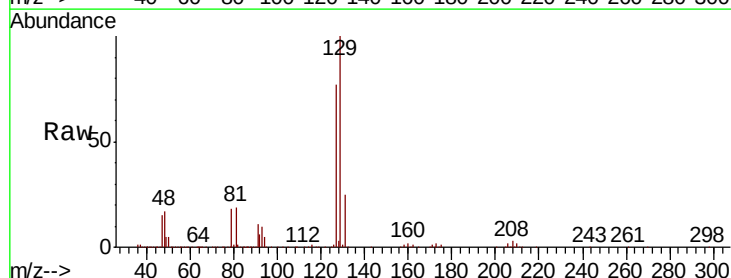
Acq: 17 Jun 2021 12:10

Tgt Ion: 129 Resp: 2585490

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.2

129 100

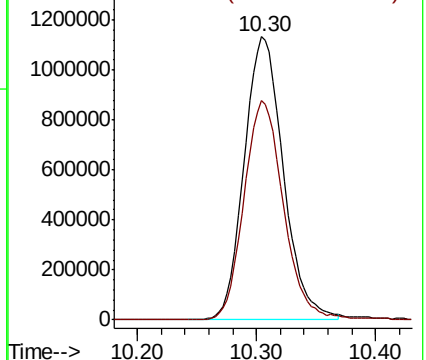
127 78.8 39.1 117.2

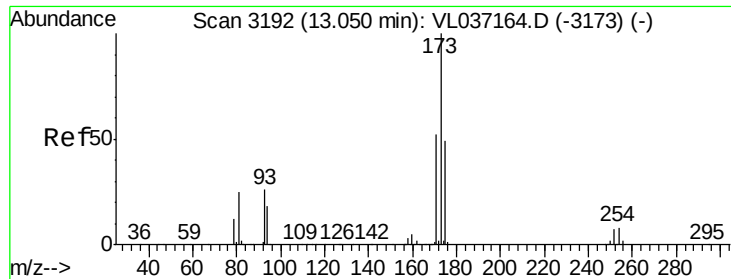


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.157 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

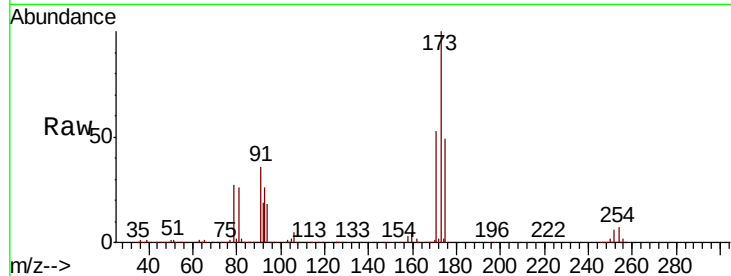
Tot Ion:173 Resp: 2109663

Ion Ratio Lower Upper

173 100

175 50.4 40.2 60.4

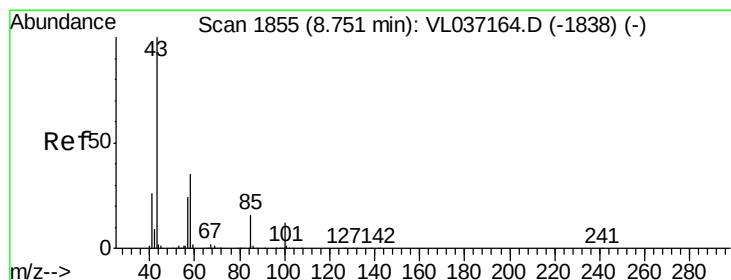
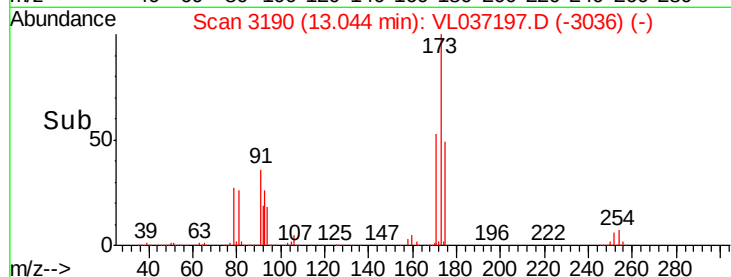
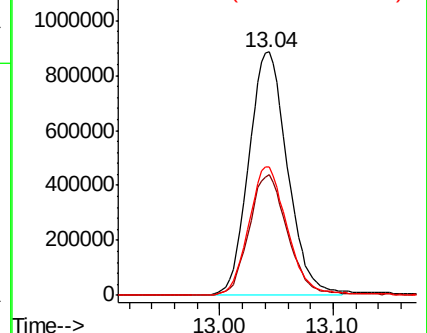
171 53.7 41.8 62.8



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: 10.338 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL037197.D

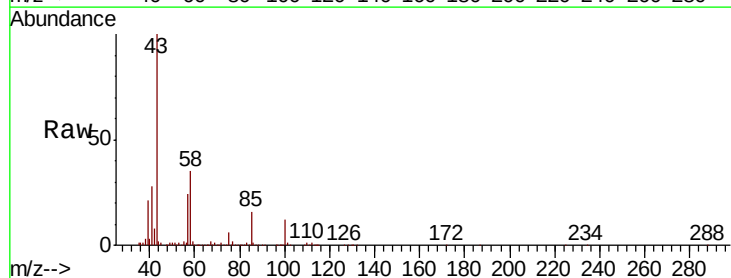
Acq: 17 Jun 2021 12:10

Tgt Ion: 43 Resp: 2376984

Ion Ratio Lower Upper

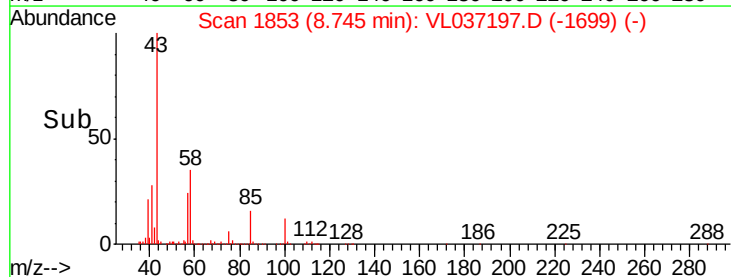
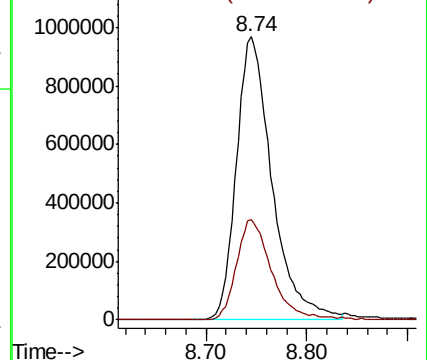
43 100

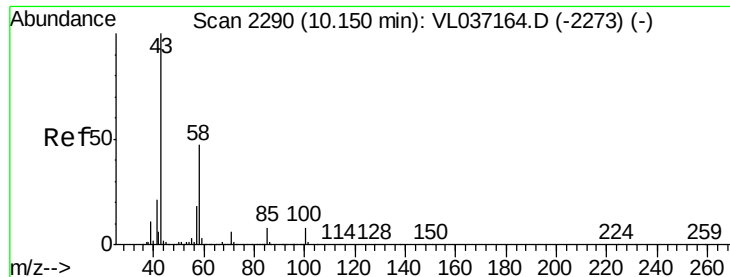
58 35.7 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.819 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

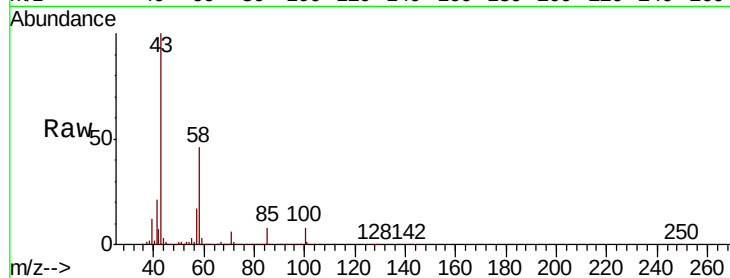
Tot Ion: 43 Resp: 1210382

Ion Ratio Lower Upper

43 100

58 48.5 38.4 57.6

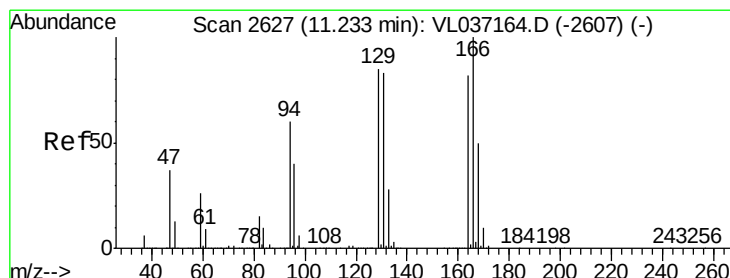
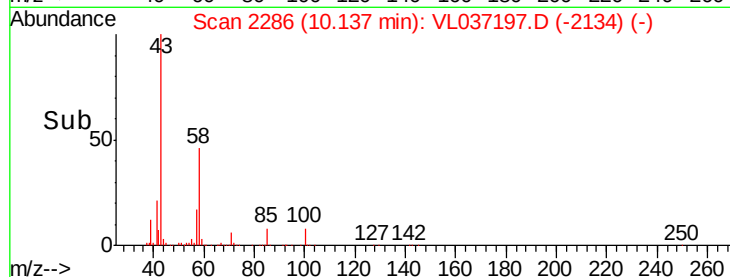
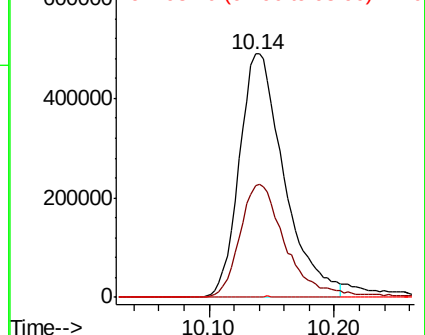
98 0.4 0.3 0.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.834 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion:164 Resp: 1428728

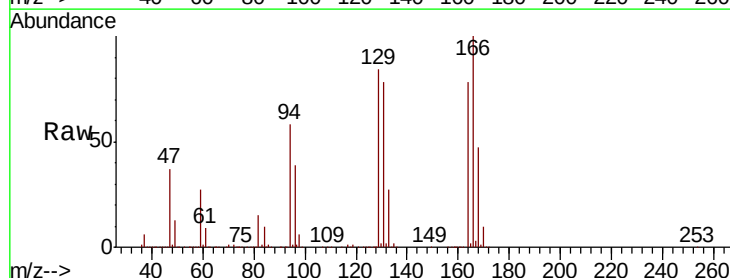
Ion Ratio Lower Upper

164 100

166 127.7 97.6 146.4

129 107.1 82.9 124.3

131 99.1 80.6 120.8

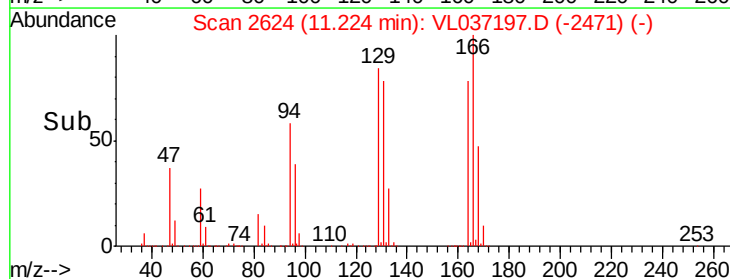
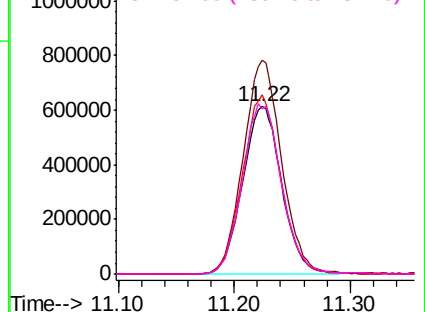


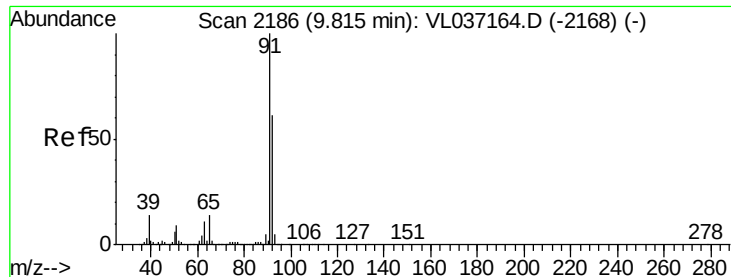
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.864 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

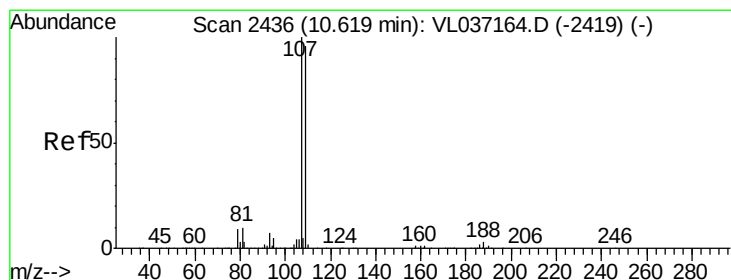
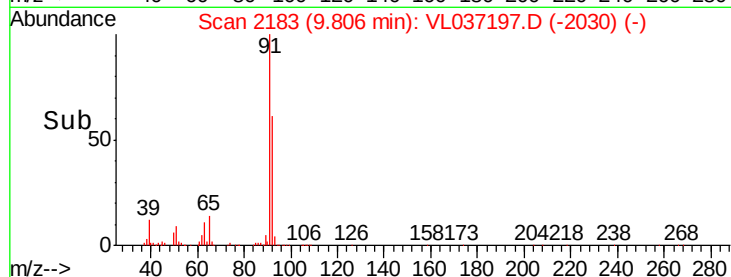
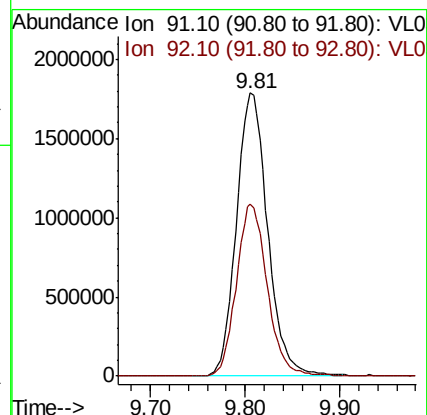
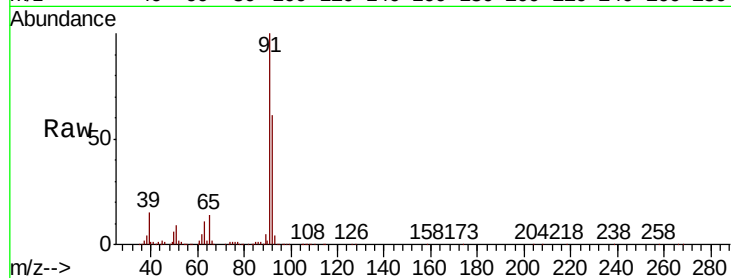
VL0617ABS01

Tot Ion: 91 Resp: 4100985

Ion Ratio Lower Upper

91 100

92 60.3 48.3 72.5



#54

1,2-Dibromoethane

Concen: 10.274 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL037197.D

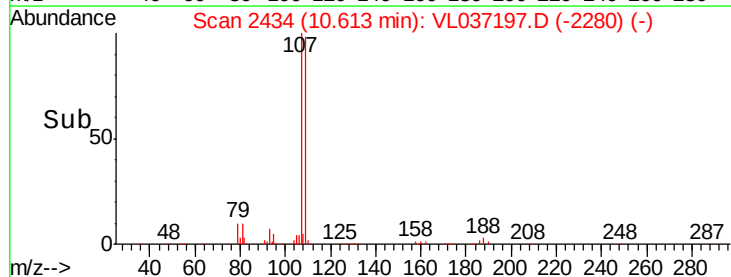
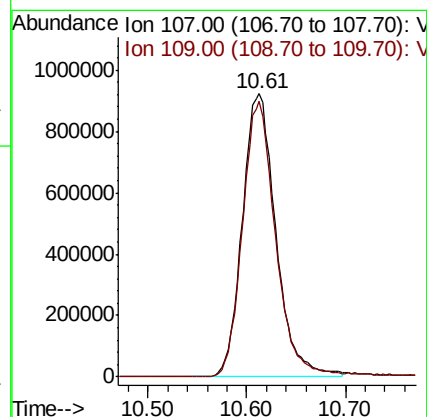
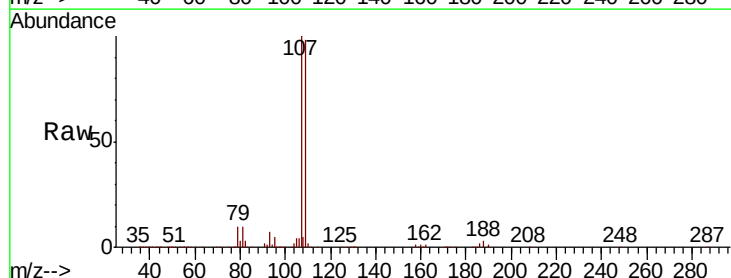
Acq: 17 Jun 2021 12:10

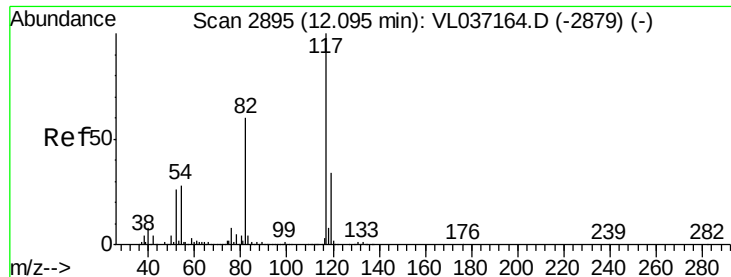
Tgt Ion: 107 Resp: 2178638

Ion Ratio Lower Upper

107 100

109 97.6 77.0 115.6

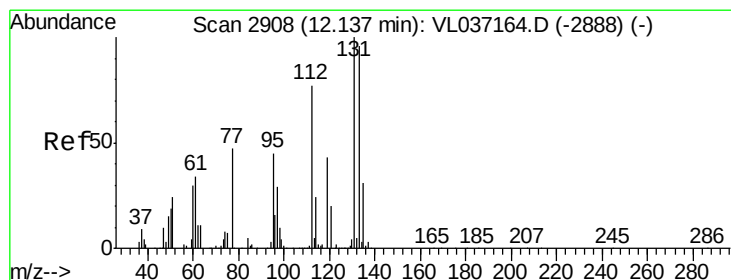
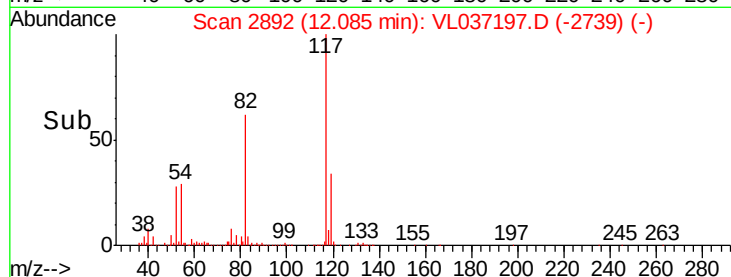
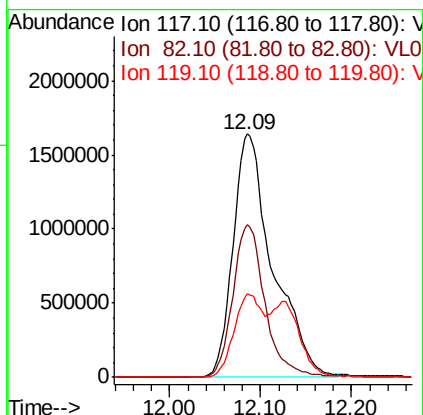
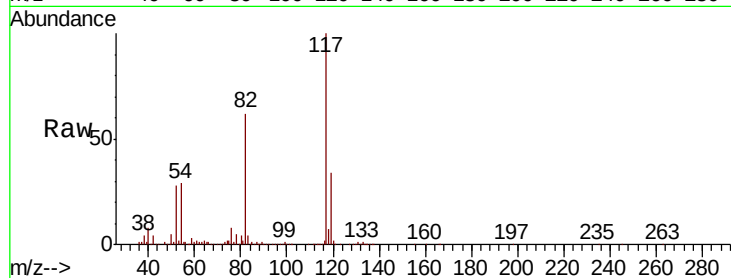




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

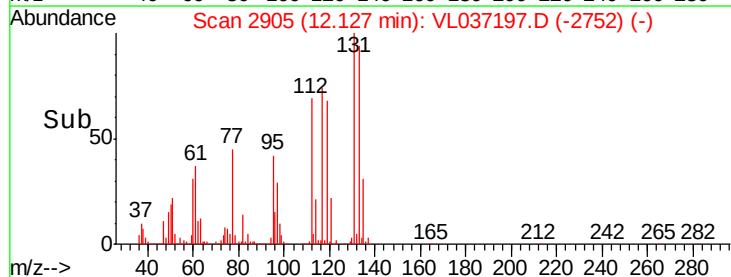
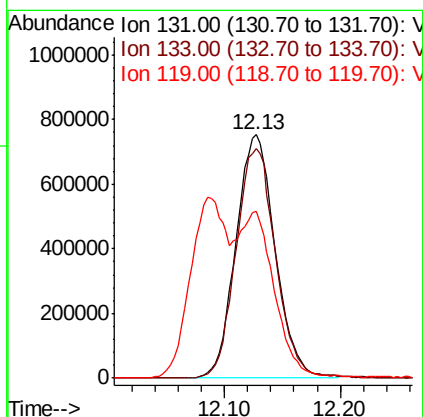
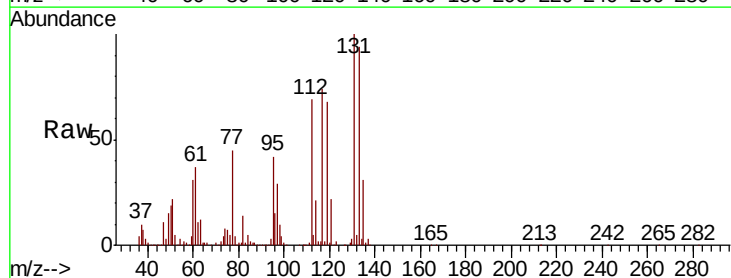
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

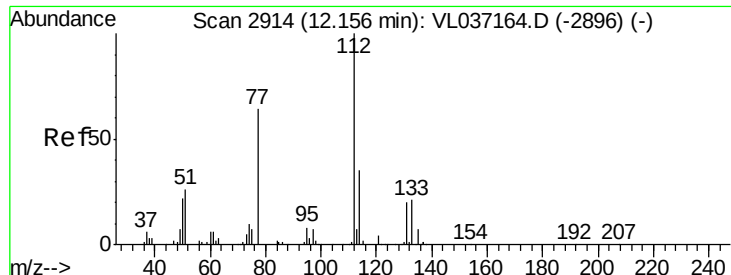
Tot Ion:117 Resp: 4989268
Ion Ratio Lower Upper
117 100
82 51.0 51.7 77.5#
119 27.3 47.6 71.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.097 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion:131 Resp: 1766371
Ion Ratio Lower Upper
131 100
133 96.0 76.5 114.7
119 57.3 48.6 72.8





#57

Chlorobenzene

Concen: 7.697 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

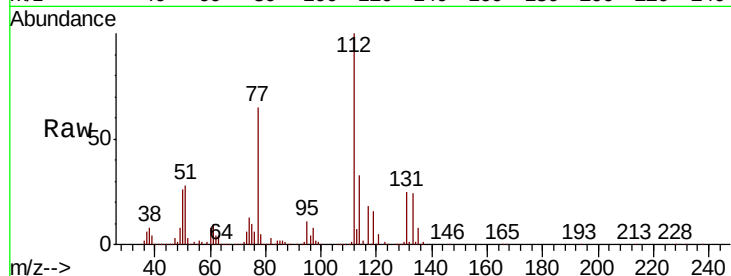
Tot Ion:112 Resp: 3114573

Ion Ratio Lower Upper

112 100

77 63.6 52.2 78.4

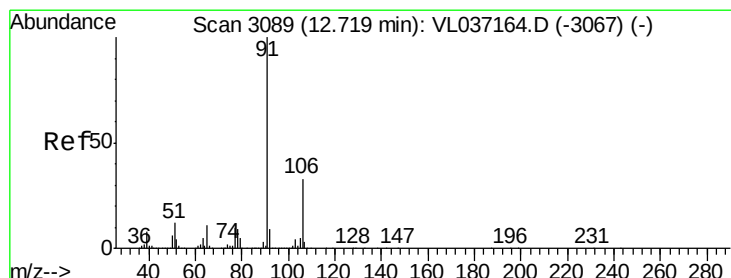
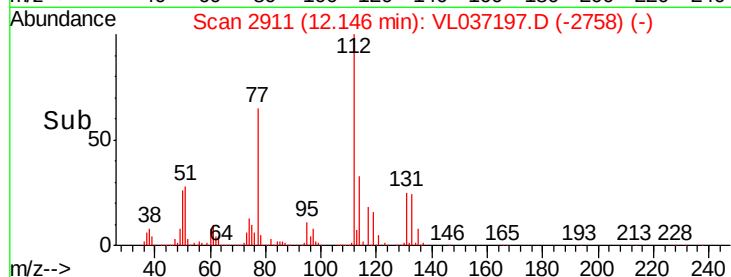
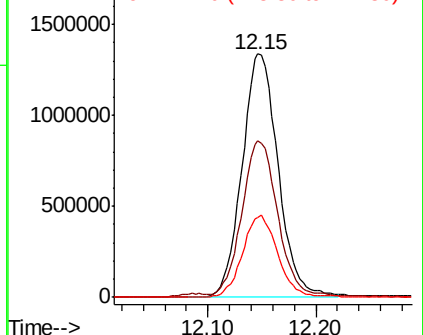
114 32.9 31.1 38.1



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: 7.943 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL037197.D

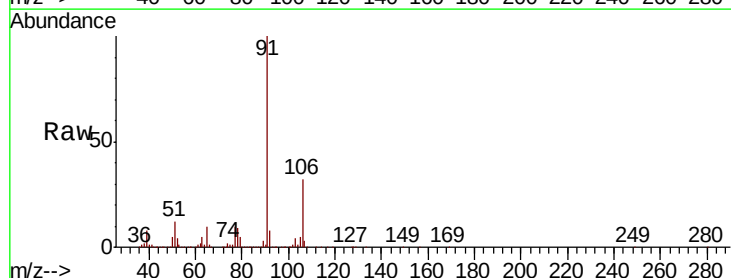
Acq: 17 Jun 2021 12:10

Tgt Ion: 91 Resp: 5455618

Ion Ratio Lower Upper

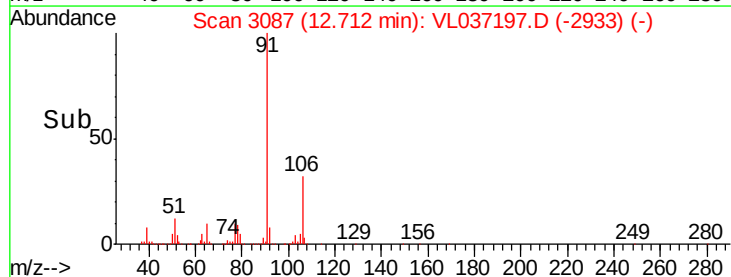
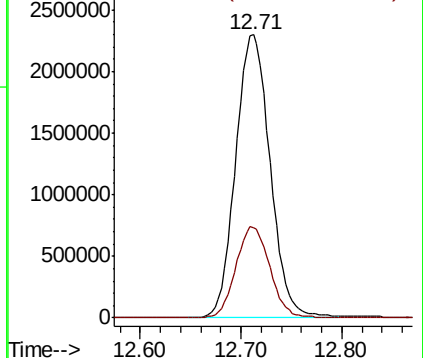
91 100

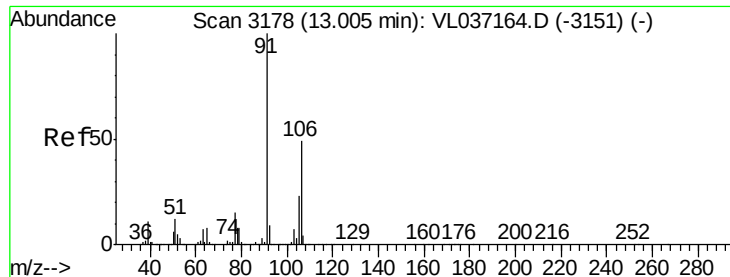
106 31.9 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

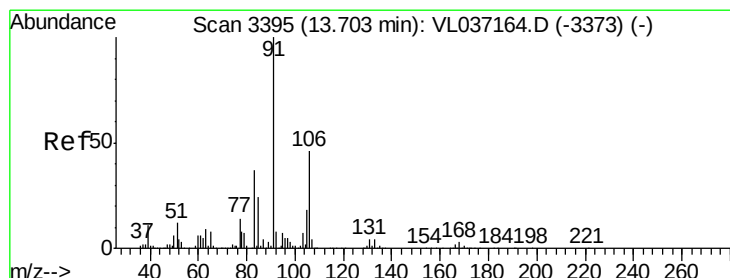
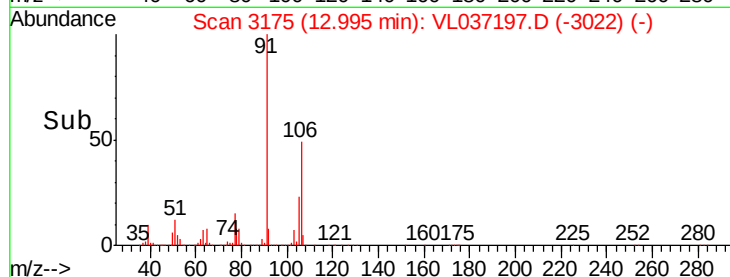
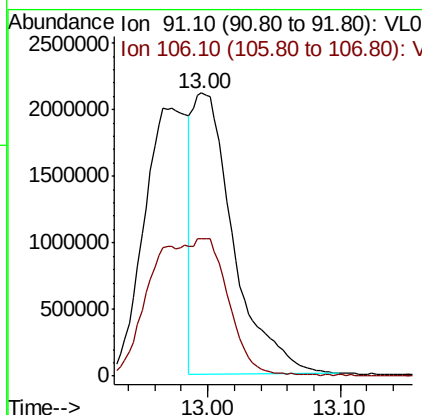
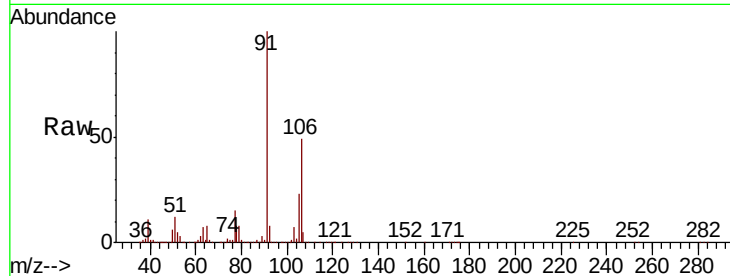




#59
m/p-Xylene
Concen: 7.722 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

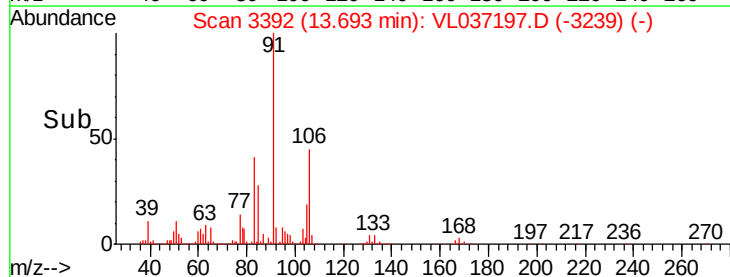
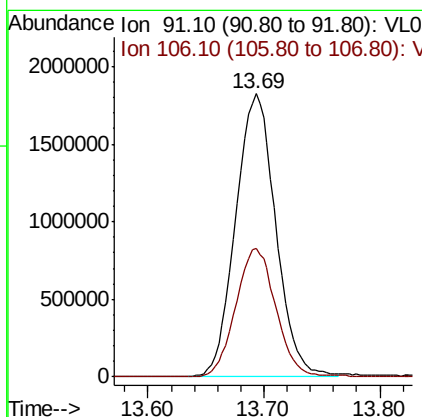
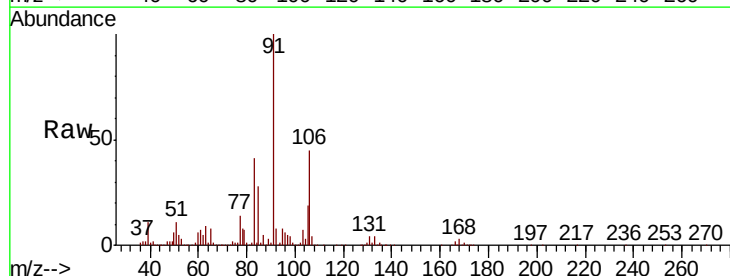
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

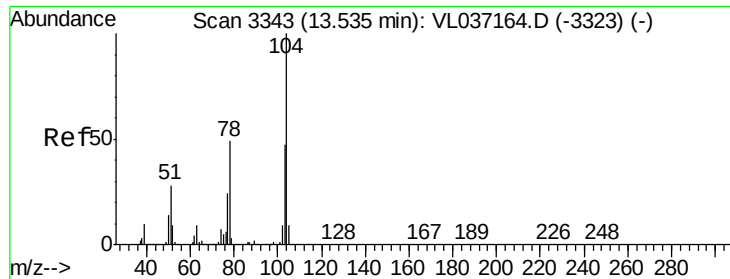
Tot Ion: 91 Resp: 4494556
Ion Ratio Lower Upper
91 100
106 93.3 37.0 55.4#



#60
o-Xylene
Concen: 7.880 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 91 Resp: 4367155
Ion Ratio Lower Upper
91 100
106 45.8 23.0 69.0

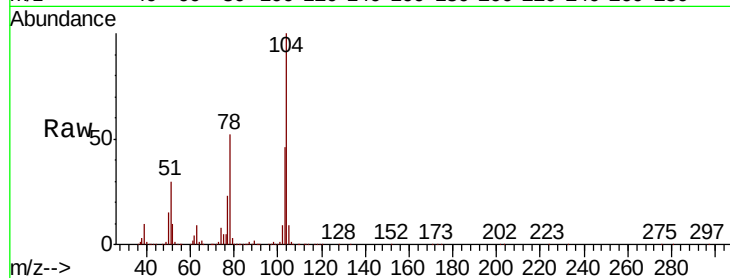




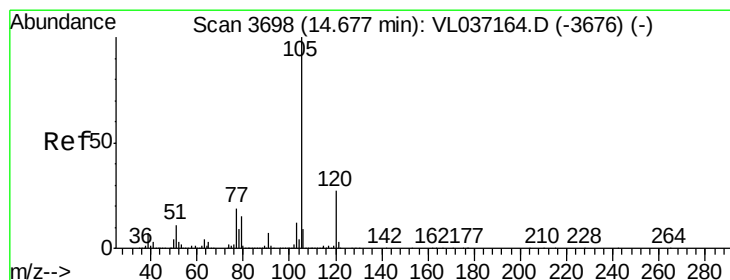
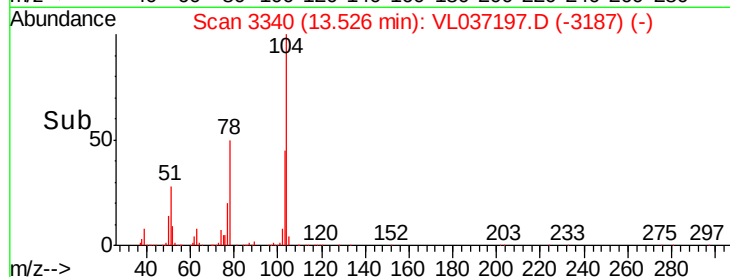
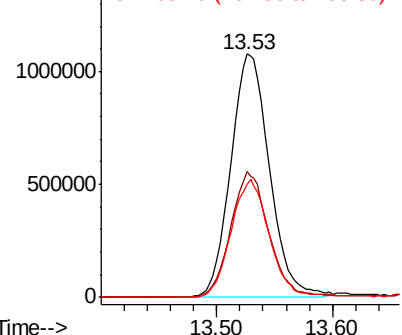
#61
Stvrene
Concen: 8.749 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion:104 Resp: 2502458
Ion Ratio Lower Upper
104 100
78 51.1 39.7 59.5
103 48.6 37.6 56.4

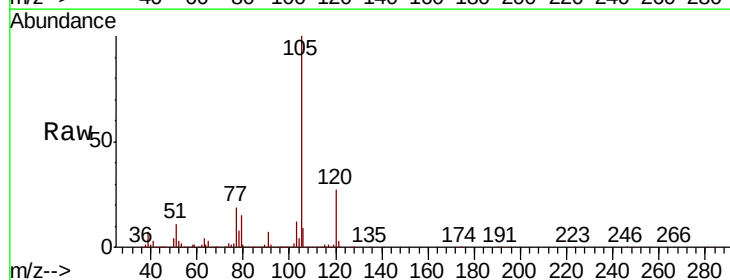


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

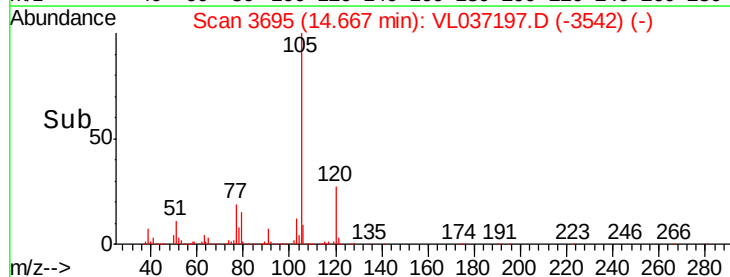
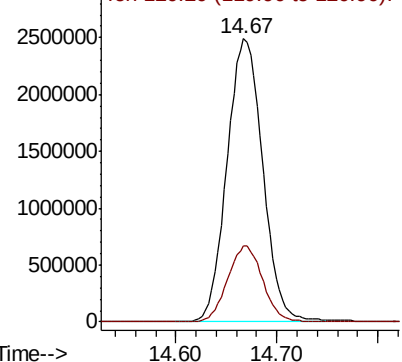


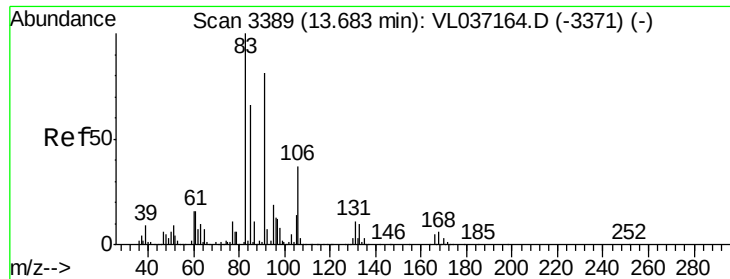
#62
Isopropylbenzene
Concen: 7.778 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion:105 Resp: 6130176
Ion Ratio Lower Upper
105 100
120 26.4 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

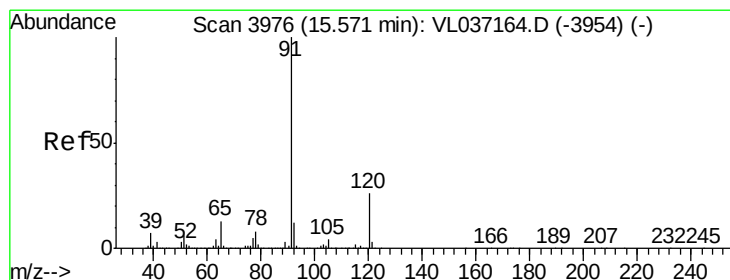
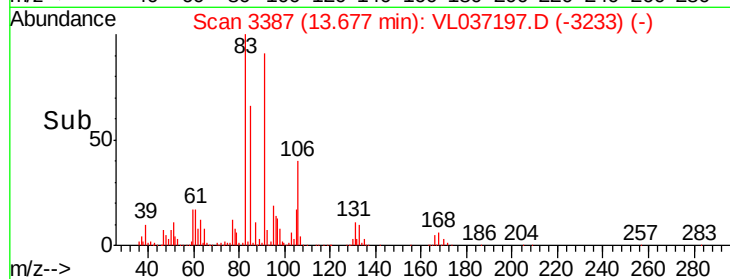
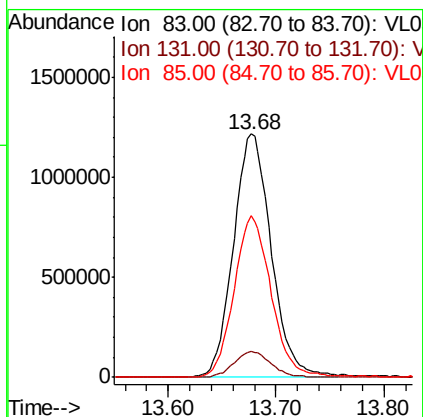
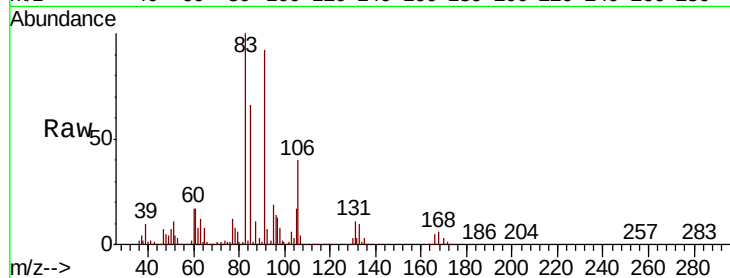




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.036 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

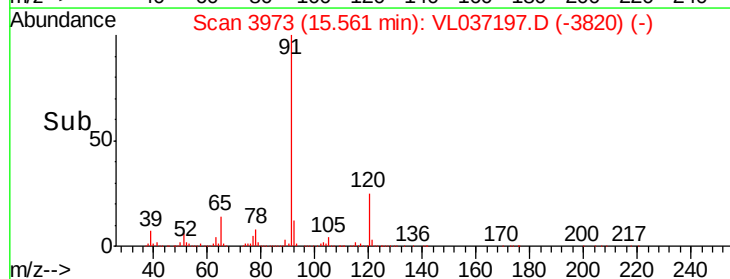
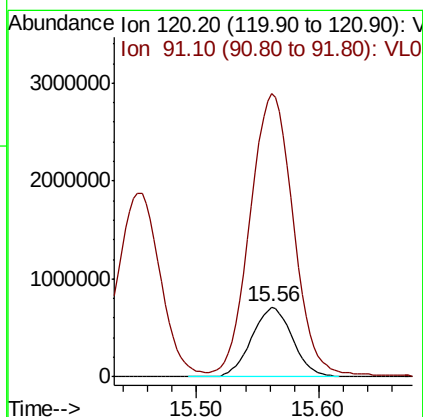
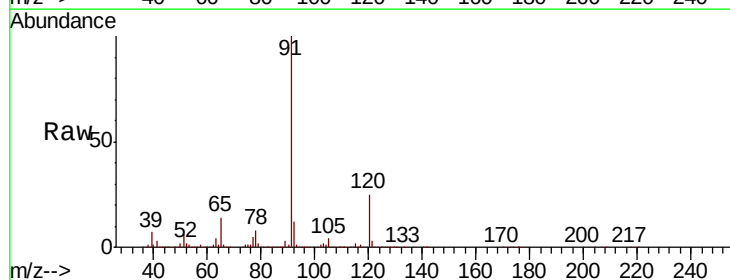
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

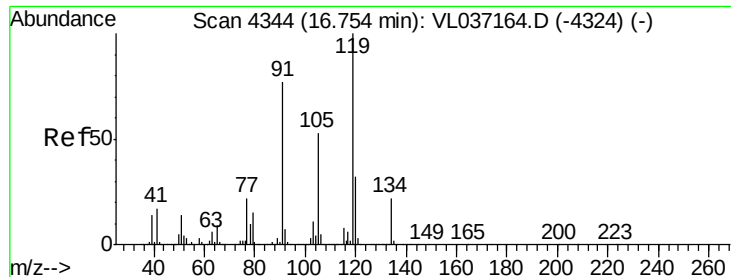
Tot Ion: 83 Resp: 2965389
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.4 16.2
 85 66.0 33.1 99.2



#64
 n-propylbenzene
 Concen: 8.355 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion: 120 Resp: 1649072
 Ion Ratio Lower Upper
 120 100
 91 434.3 343.3 514.9





#65

tert-Butylbenzene

Concen: 8.033 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

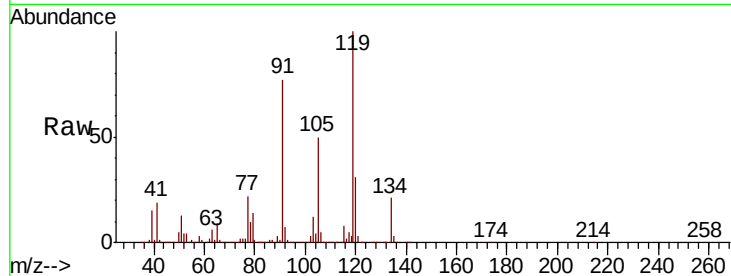
Tot Ion:119 Resp: 5614801

Ion Ratio Lower Upper

119 100

91 78.4 62.6 93.8

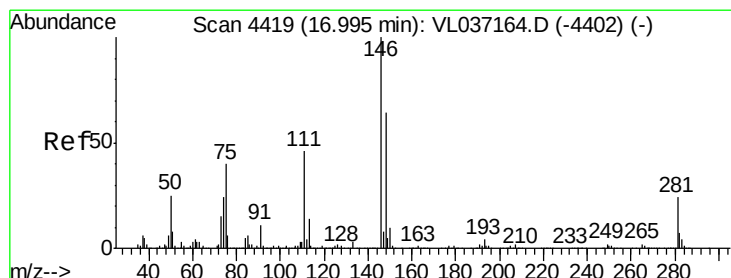
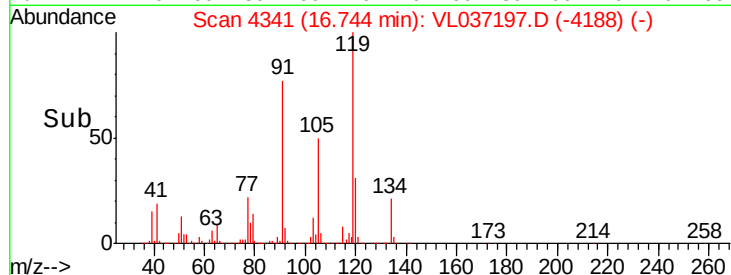
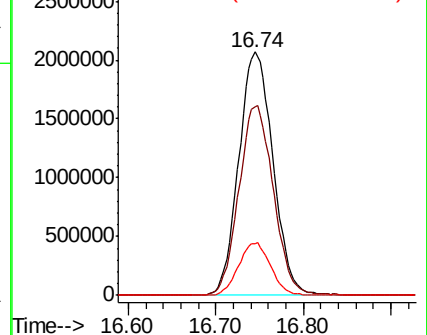
134 20.2 16.2 24.4



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: 9.244 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

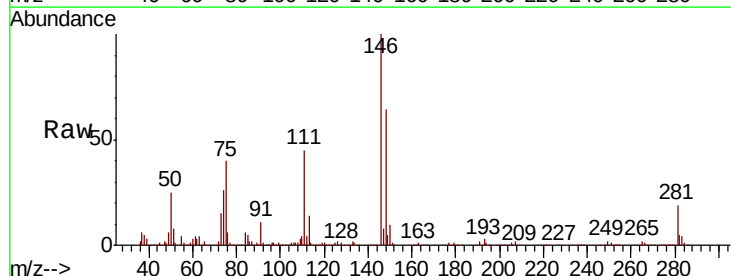
Tgt Ion: 91 Resp: 273815

Ion Ratio Lower Upper

91 100

126 18.9 15.5 23.3

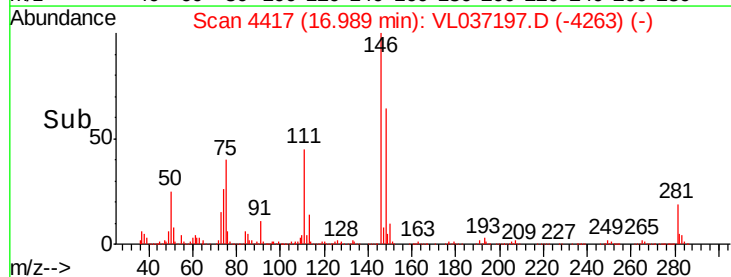
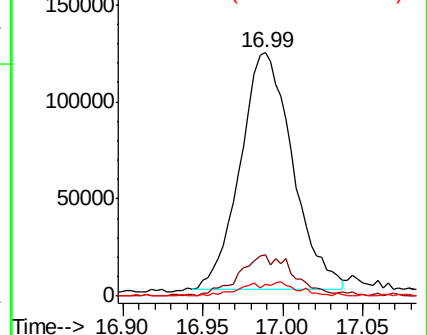
128 6.2 5.7 8.5

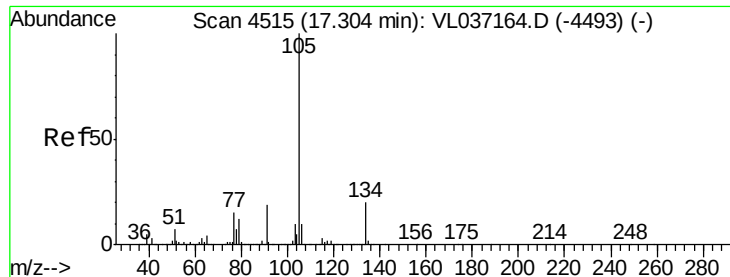


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.035 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

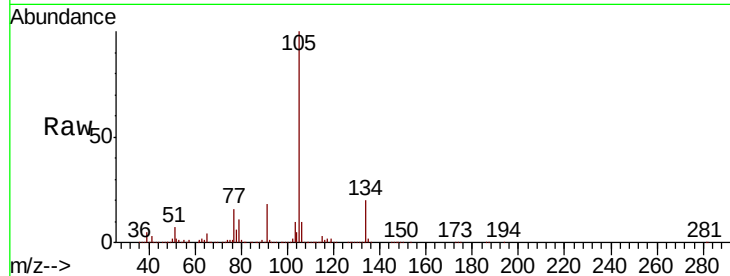
VL0617ABS01

Tot Ion:105 Resp: 7489570

Ion Ratio Lower Upper

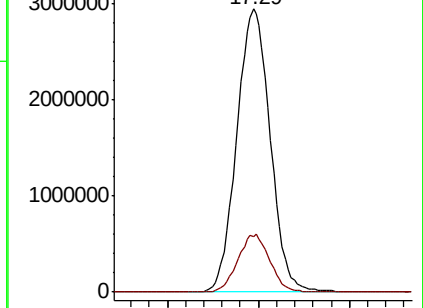
105 100

134 19.6 15.8 23.6

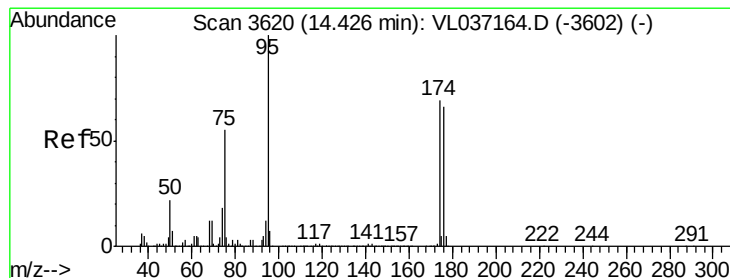
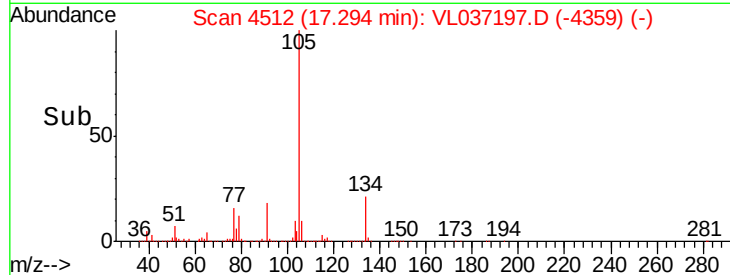


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.190 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

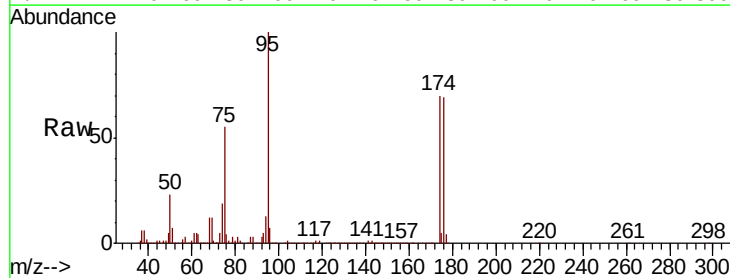
Tgt Ion: 95 Resp: 3096268

Ion Ratio Lower Upper

95 100

174 71.1 57.0 85.4

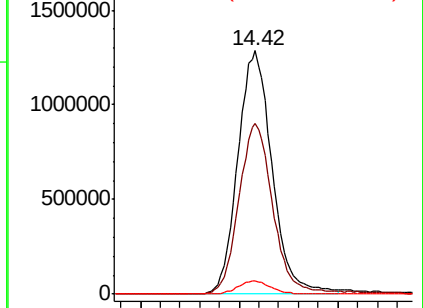
175 5.2 4.4 6.6



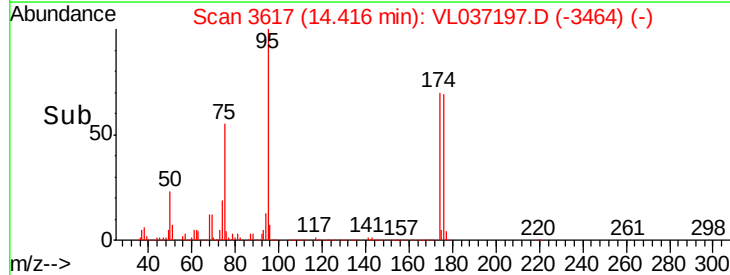
Abundance Ion 95.10 (94.80 to 95.80): VL0

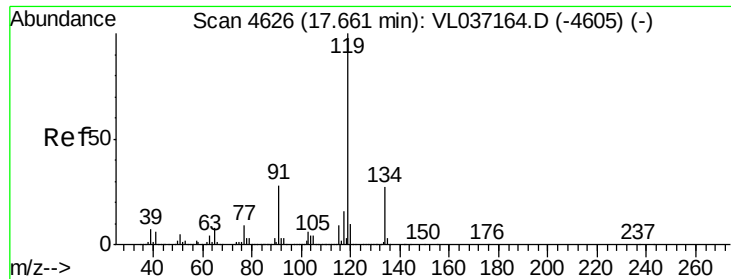
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->

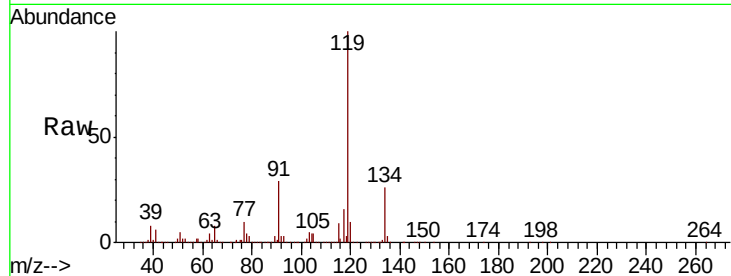




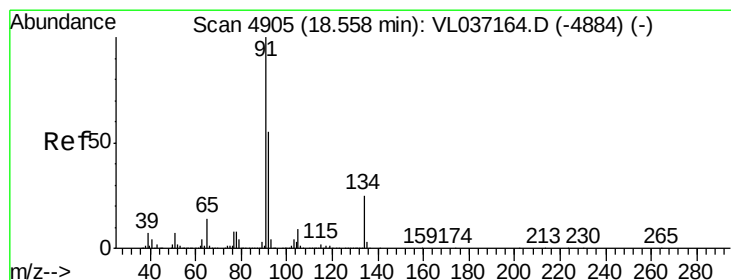
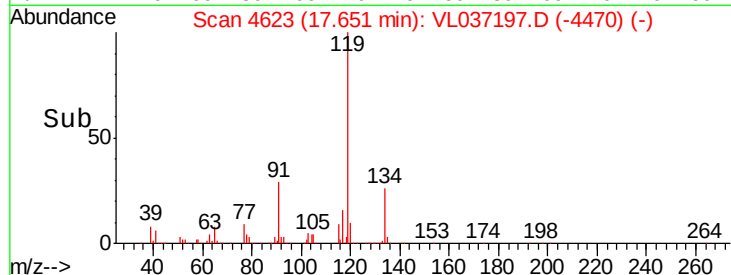
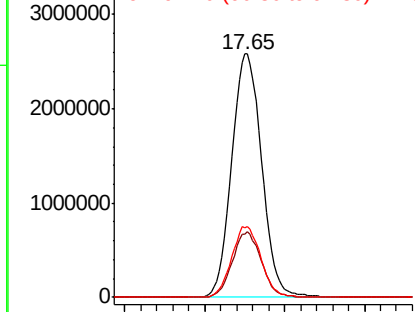
#69
 p-Isopropyltoluene
 Concen: 8.318 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion:119 Resp: 6548538
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.9 31.3
 91 28.3 22.6 34.0

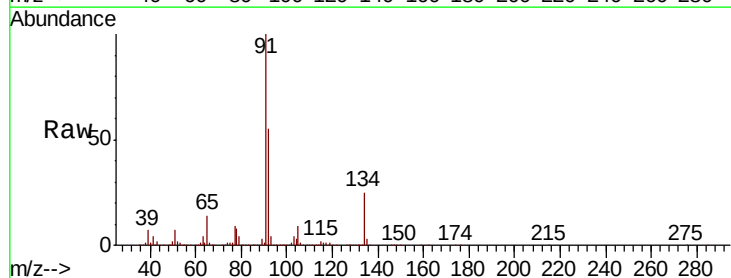


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0

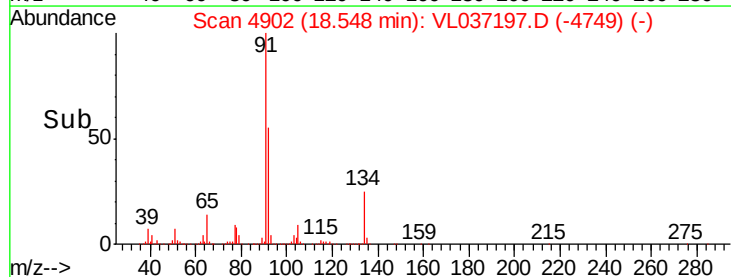
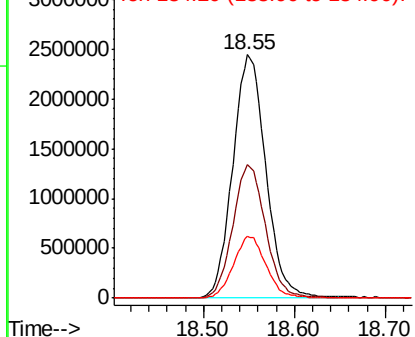


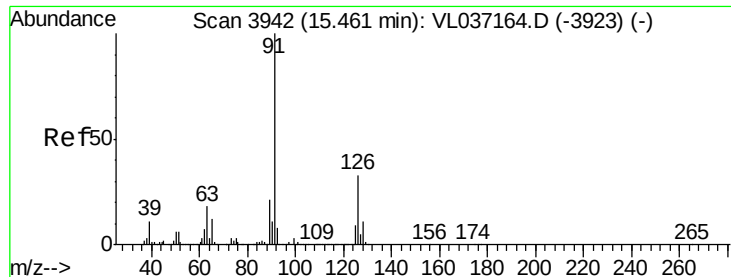
#70
 n-Butylbenzene
 Concen: 8.456 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion: 91 Resp: 6161053
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.0 66.0
 134 25.2 20.2 30.4



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





#71

2-Chlorotoluene

Concen: 8.157 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

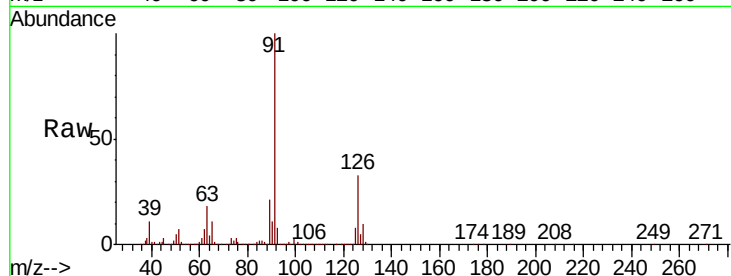
VL0617ABS01

Tot Ion: 91 Resp: 4494571

Ion Ratio Lower Upper

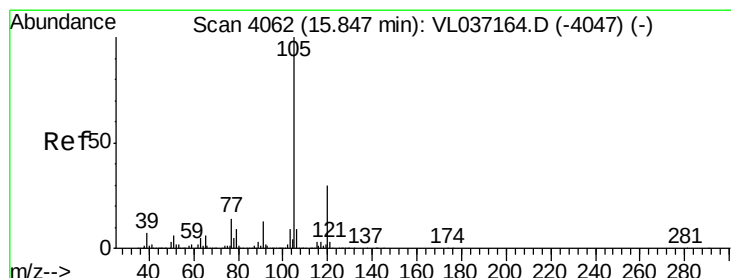
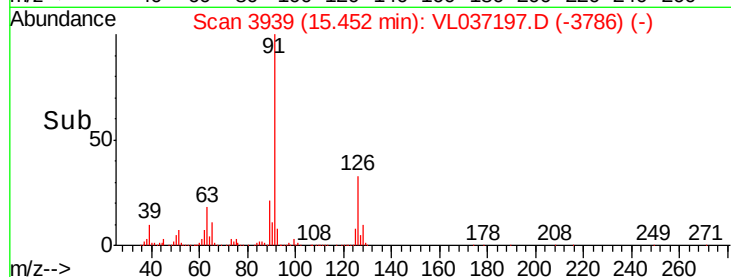
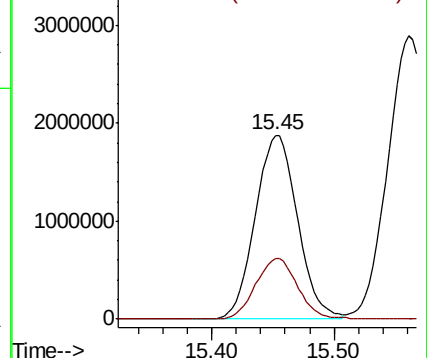
91 100

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: 8.485 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion:105 Resp: 5342192

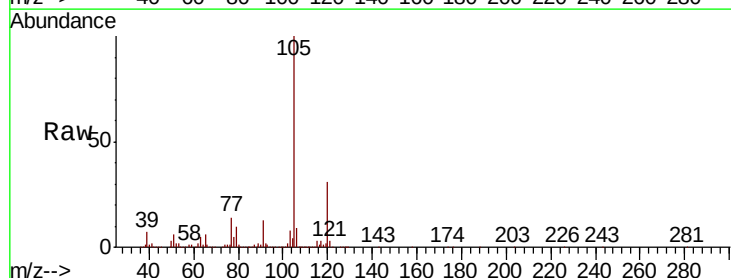
Ion Ratio Lower Upper

105 100

120 30.5 24.7 37.1

91 12.8 10.2 15.4

77 13.6 11.0 16.6

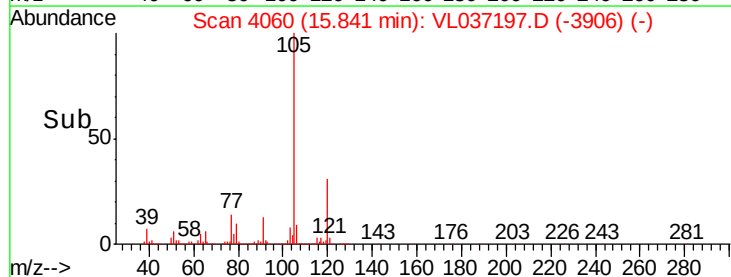
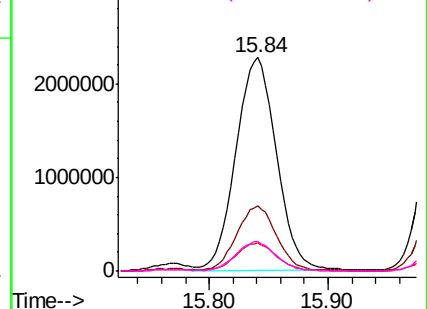


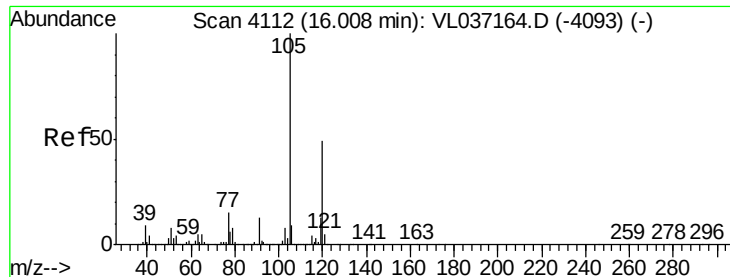
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.952 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

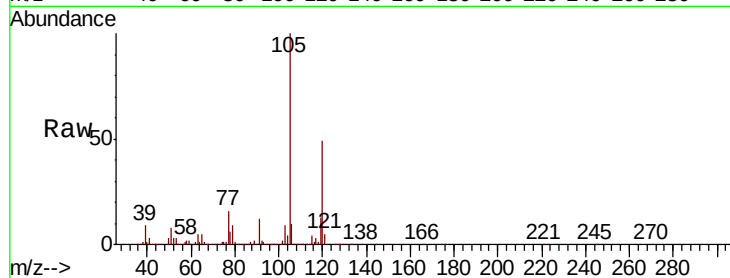
VL0617ABS01

Tot Ion:105 Resp: 4839874

Ion Ratio Lower Upper

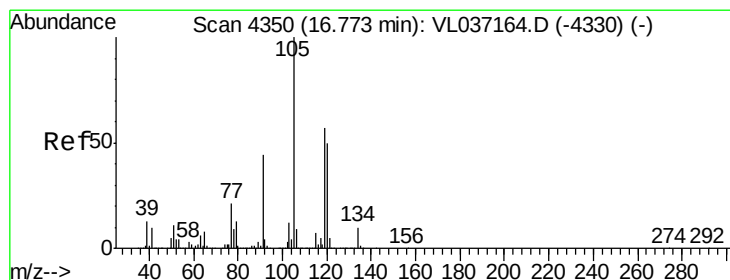
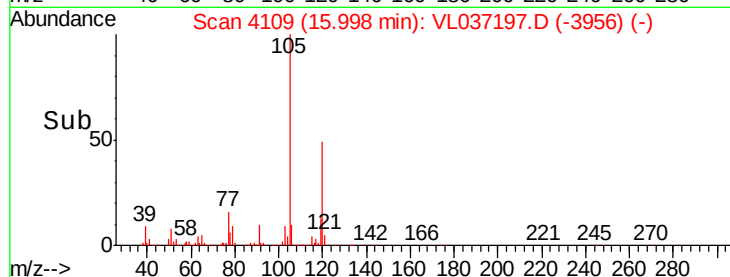
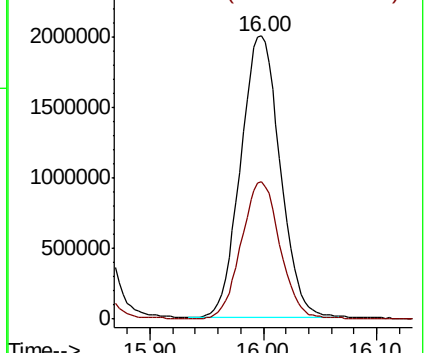
105 100

120 48.8 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.105 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion:105 Resp: 5082755

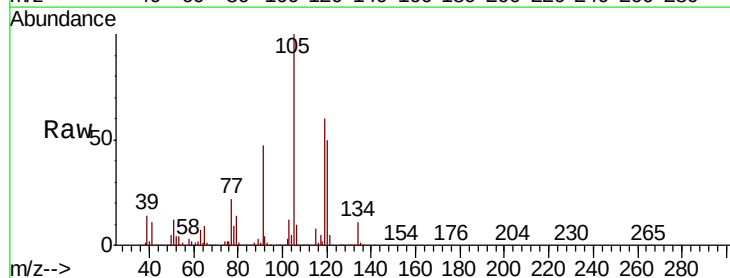
Ion Ratio Lower Upper

105 100

120 49.5 39.8 59.8

91 46.9 37.0 55.4

77 21.9 17.0 25.4

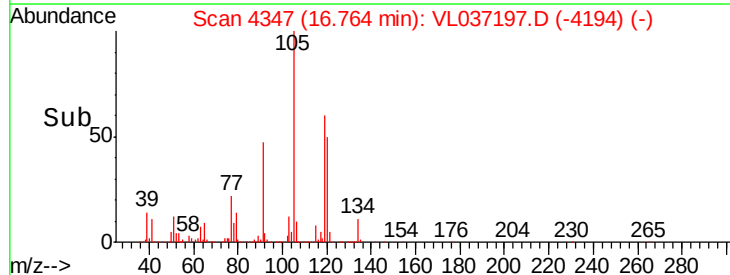
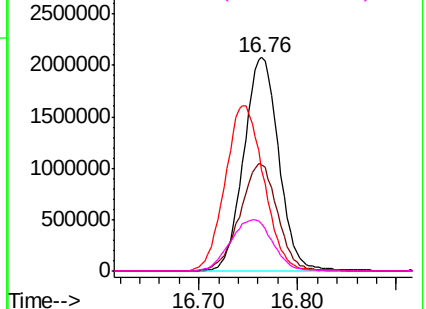


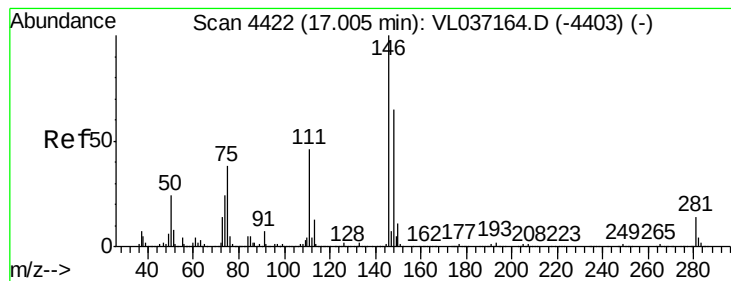
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.250 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

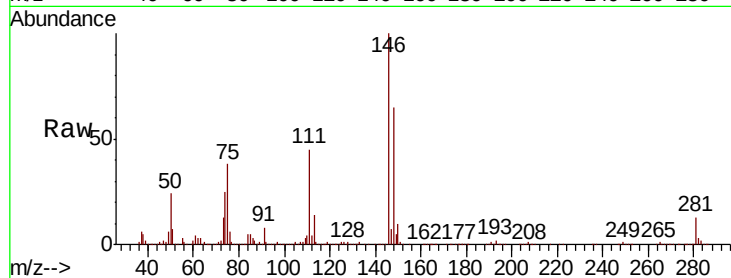
Tot Ion:146 Resp: 3145793

Ion Ratio Lower Upper

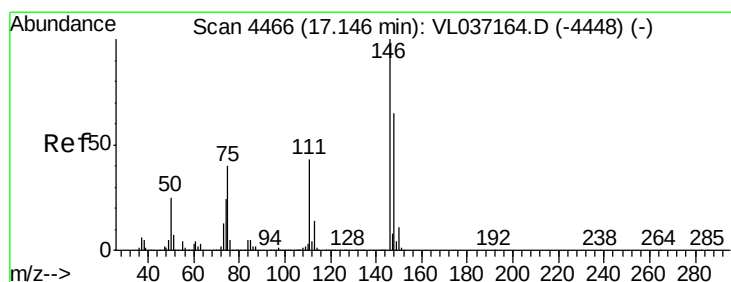
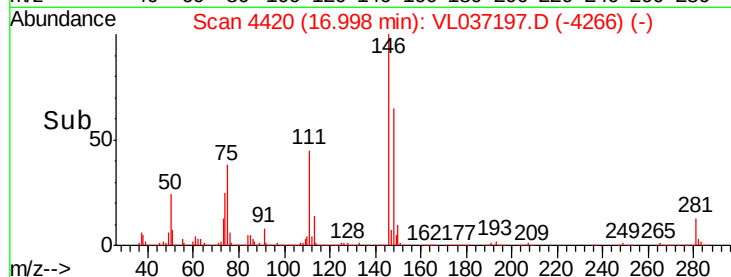
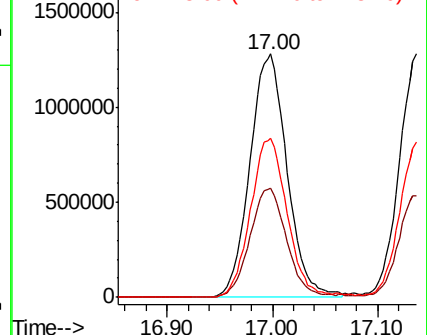
146 100

111 44.7 22.2 66.6

148 64.8 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: 8.135 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

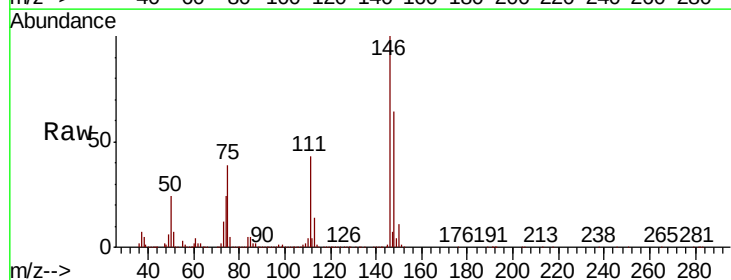
Tgt Ion:146 Resp: 3098054

Ion Ratio Lower Upper

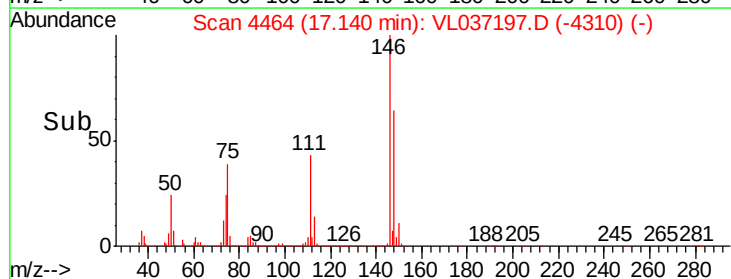
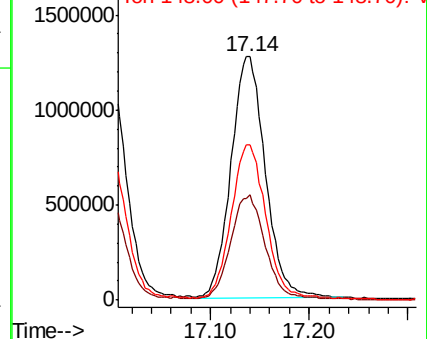
146 100

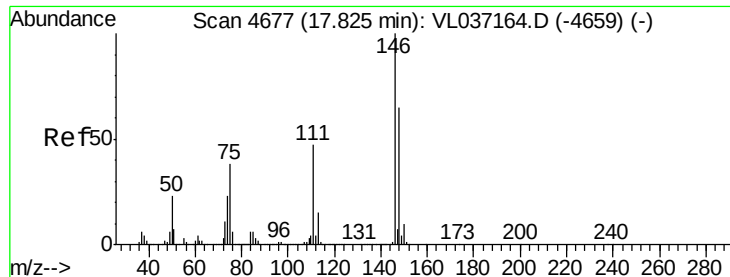
111 44.4 22.7 68.0

148 65.6 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: 8.230 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

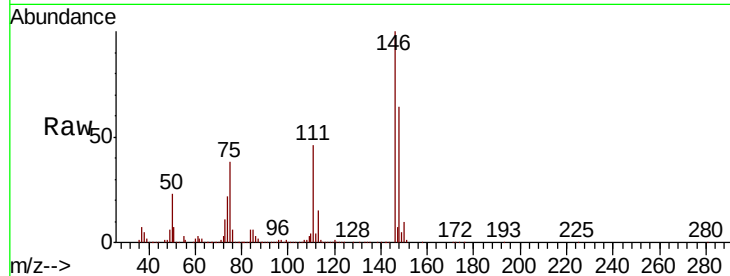
Tot Ion:146 Resp: 3035463

Ion Ratio Lower Upper

146 100

111 46.3 23.3 69.8

148 64.8 32.4 97.0

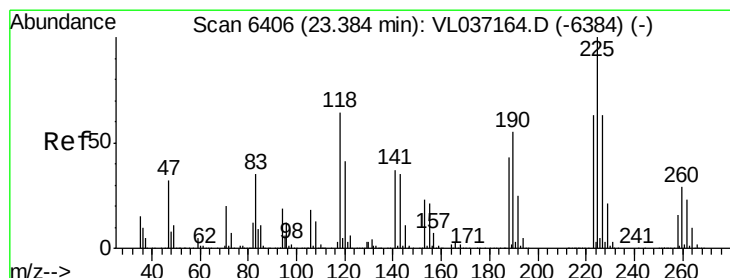
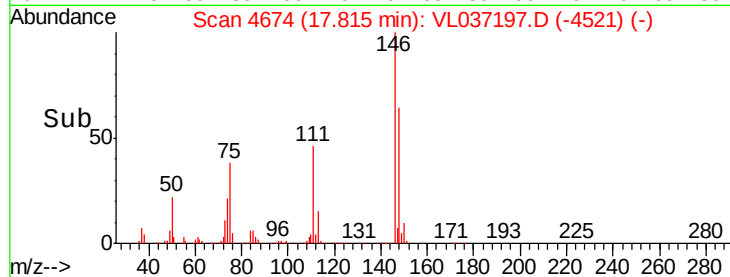
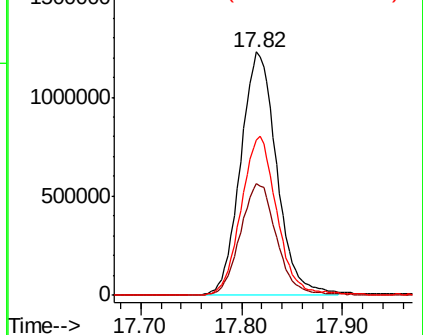


Abundance

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: 6.302 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

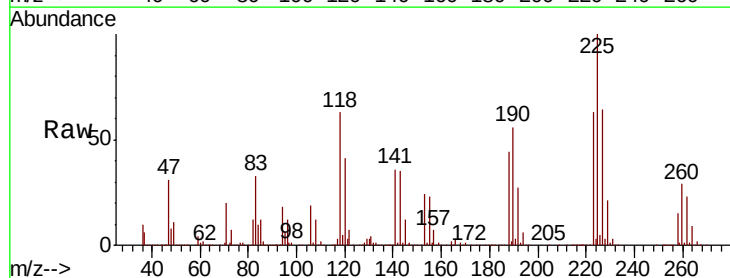
Tgt Ion:225 Resp: 1998656

Ion Ratio Lower Upper

225 100

223 65.5 51.8 77.8

227 64.9 51.4 77.0

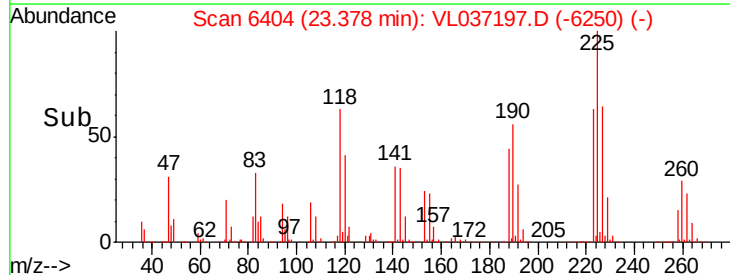
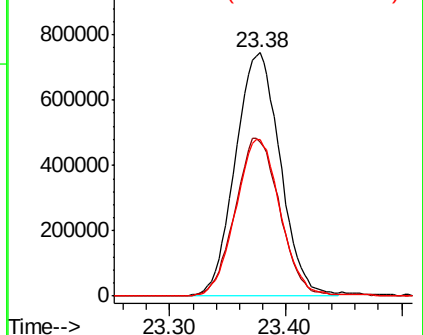


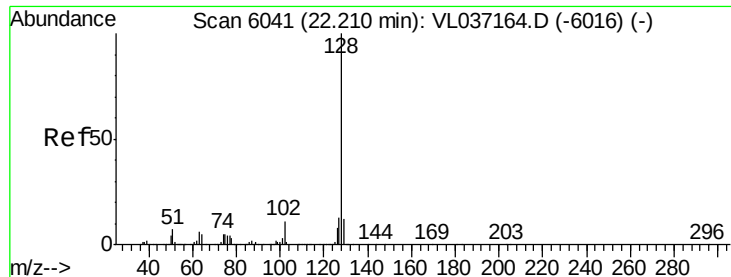
Abundance

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: 7.477 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

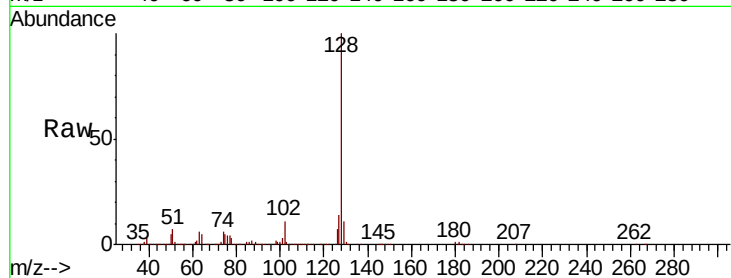
Tot Ion:128 Resp: 3909578

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

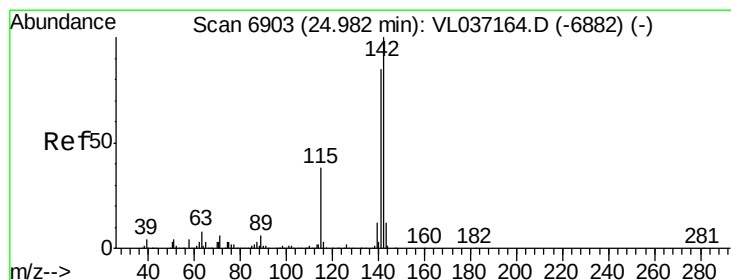
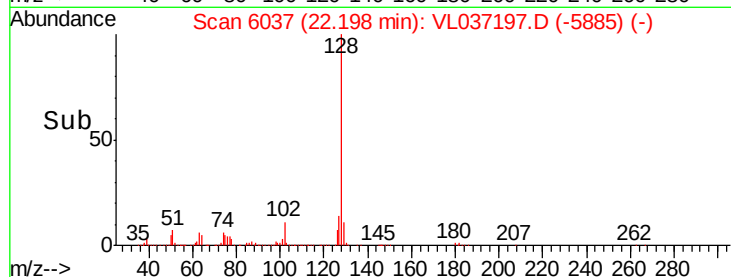
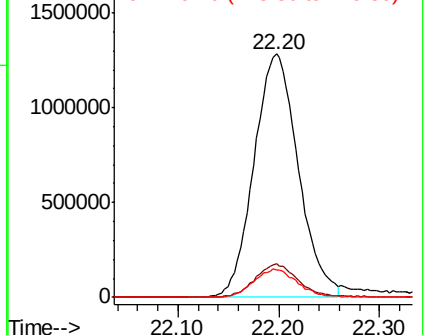
129 11.1 9.3 13.9



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: 7.030 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

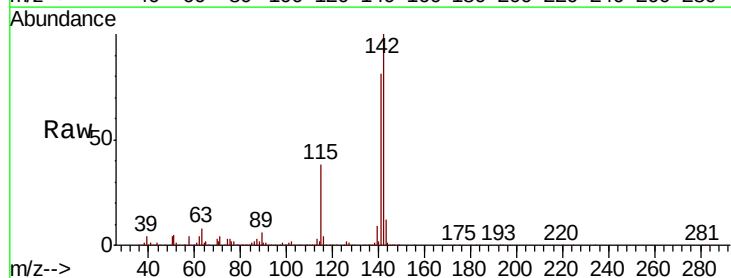
Tgt Ion:142 Resp: 964028

Ion Ratio Lower Upper

142 100

141 84.3 63.7 95.5

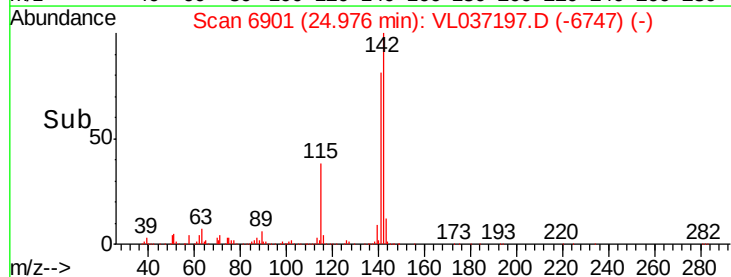
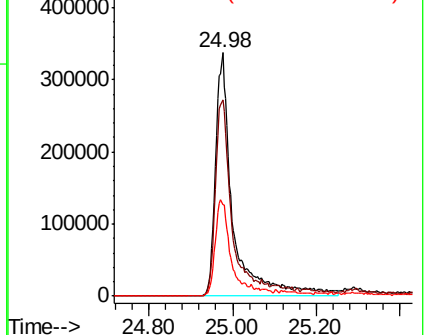
115 37.0 30.6 45.8

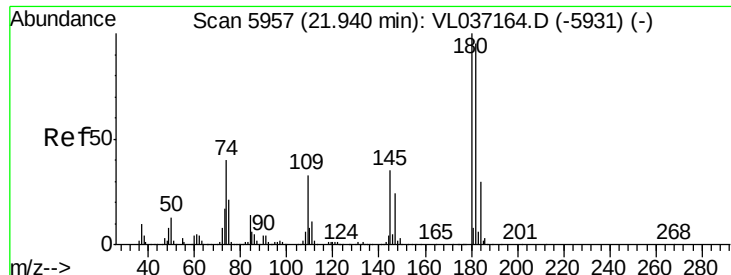


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

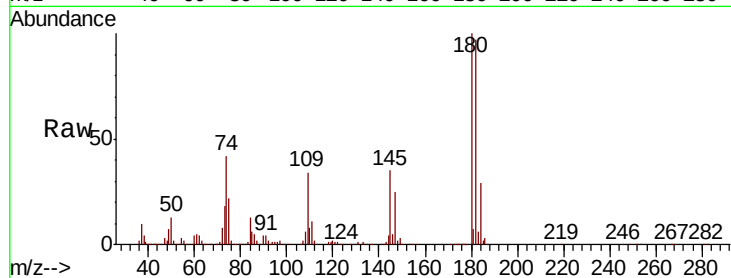




#81
 1,2,4-Trichlorobenzene
 Concen: 7.331 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion:180 Resp: 2211803
 Ion Ratio Lower Upper
 180 100
 182 101.2 79.3 118.9
 184 32.1 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

