

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037242.D
 Acq On : 23 Jun 2021 11:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 24 03:49:18 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	1530013	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4499863	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	5128180	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3222910	8.29	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2418050	9.087	ppbv 97
3) Chlorodifluoromethane	2.98	51	2537024	8.528	ppbv 99
4) Chloromethane	3.13	50	804354	8.112	ppbv 97
5) Vinyl Chloride	3.25	62	897310	8.234	ppbv 97
6) Bromomethane	3.46	94	492421	7.575	ppbv 100
7) Chloroethane	3.55	64	328560	8.435	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2277182	8.342	ppbv 98
9) Propene	3.00	41	753002	7.916	ppbv 100
10) Heptane	8.11	43	1981350	8.600	ppbv 99
11) Trichlorofluoromethane	3.94	101	2343021	8.252	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1712369	8.556	ppbv 100
13) Ethanol	3.60	45	89764	6.100	ppbv 59
14) Bromoethene	3.73	108	695984	8.332	ppbv 98
15) Acetone	3.84	43	1210024	7.013	ppbv 98
16) 1,3-Butadiene	3.32	39	925985	9.078	ppbv 93
17) tert-Butyl alcohol	4.28	59	1313506	8.237	ppbv 99
18) 1,1-Dichloroethene	4.28	96	765147	8.627	ppbv 97
19) Isopropyl Alcohol	3.96	45	783945	7.502	ppbv 99
20) Methylene Chloride	4.33	84	640386	6.200	ppbv 96
21) Allyl Chloride	4.40	41	1011197	7.775	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	743339	8.470	ppbv 97
23) Vinyl Acetate	5.06	43	2081980	8.416	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1557456	7.819	ppbv 99
25) Ethyl Acetate	5.66	43	2997100	8.024	ppbv 99
26) Hexane	5.67	57	1467078	7.771	ppbv 98
27) Carbon Disulfide	4.54	76	1691988	9.148	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1597955	7.041	ppbv 99
29) Chloroform	5.74	83	2446043	8.388	ppbv 97
30) Cyclohexane	7.11	84	1287687	8.186	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1474525	8.500	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	2520834	8.078	ppbv 100
34) 2-Butanone	5.23	43	1395777	7.976	ppbv 100
35) Carbon Tetrachloride	7.01	117	2667327	8.838	ppbv 99
36) Benzene	6.88	78	3072175	8.443	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1854216	8.772	ppbv 99
38) Trichloroethene	7.82	130	1347982	7.793	ppbv 99
39) 1,2-Dichloropropane	7.60	63	1191674	8.813	ppbv 97
40) 1,4-Dioxane	7.82	88	308959	8.333	ppbv 83
41) Tetrahydrofuran	6.04	42	657609	8.090	ppbv 98
42) Bromodichloromethane	7.78	83	2604780	8.932	ppbv 98
43) Methyl Methacrylate	8.00	69	1165627	9.276	ppbv 97

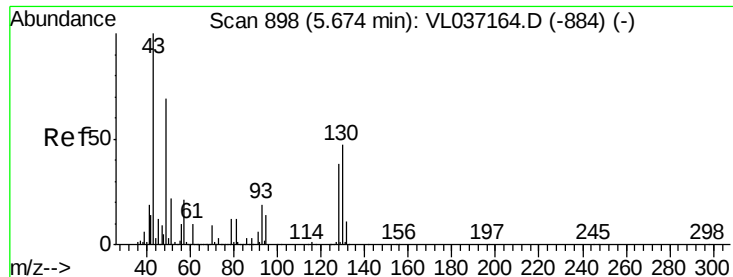
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037242.D
 Acq On : 23 Jun 2021 11:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 24 03:49:18 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)
44) 2,2,4-Trimethylpentane	7.85	57	5090642	8.308	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	792518	7.148	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1096748	7.231	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1336706	8.665	ppbv	99
48) Dibromochloromethane	10.29	129	2351808	9.658	ppbv	100
49) Bromoform	13.02	173	1995961	11.002	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2096052	8.720	ppbv	100
51) 2-Hexanone	10.12	43	1086336	9.289	ppbv	99
52) Tetrachloroethene	11.21	164	1294085	7.654	ppbv	98
53) Toluene	9.79	91	3695378	8.502	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1959182	8.837	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1677545	7.482	ppbv #	57
57) Chlorobenzene	12.13	112	2910959	6.999	ppbv	97
58) Ethyl Benzene	12.70	91	5057821	7.164	ppbv	100
59) m/p-Xylene	12.98	91	4744442	7.930	ppbv #	46
60) o-Xylene	13.68	91	4086059	7.173	ppbv	100
61) Styrene	13.51	104	2225818	7.571	ppbv	98
62) Isopropylbenzene	14.65	105	5872626	7.250	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2854340	7.525	ppbv	100
64) n-propylbenzene	15.55	120	1582572	7.801	ppbv	98
65) tert-Butylbenzene	16.73	119	5339495	7.432	ppbv	99
66) Benzyl Chloride	16.97	91	95630	3.141	ppbv #	87
67) sec-Butylbenzene	17.28	105	7162981	7.477	ppbv	99
69) p-Isopropyltoluene	17.64	119	6190896	7.650	ppbv	99
70) n-Butylbenzene	18.54	91	5870618	7.839	ppbv	99
71) 2-Chlorotoluene	15.44	91	4348183	7.678	ppbv	99
72) 4-Ethyltoluene	15.82	105	4963808	7.670	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4483249	7.167	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4763935	7.391	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2983783	7.614	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2873736	7.342	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2913865	7.686	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1995161	6.121	ppbv	100
79) Naphthalene	22.17	128	3731808	6.944	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	882647	6.263	ppbv	93
81) 1,2,4-Trichlorobenzene	21.91	180	2178384	7.025	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

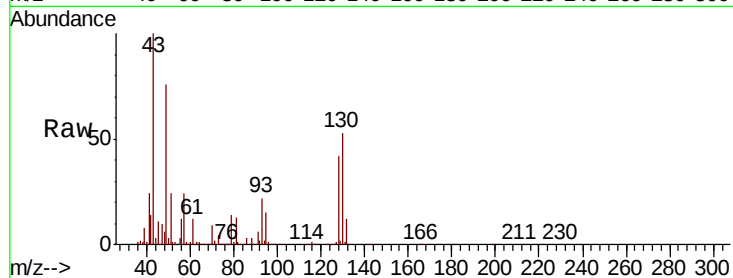
Tot Ion: 49 Resp: 1530013

Ion Ratio Lower Upper

49 100

128 58.2 29.3 88.0

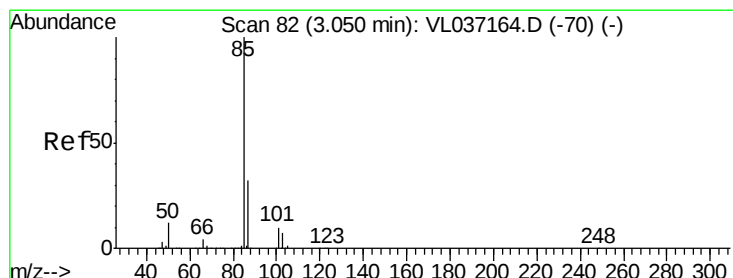
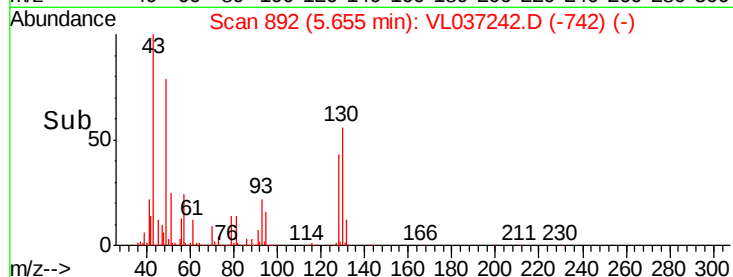
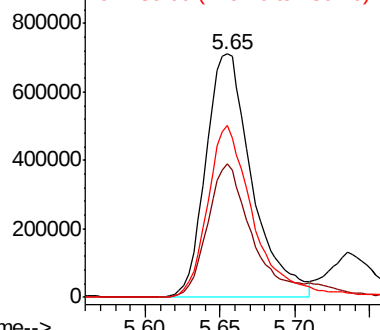
130 71.0 35.9 107.8



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: 9.087 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037242.D

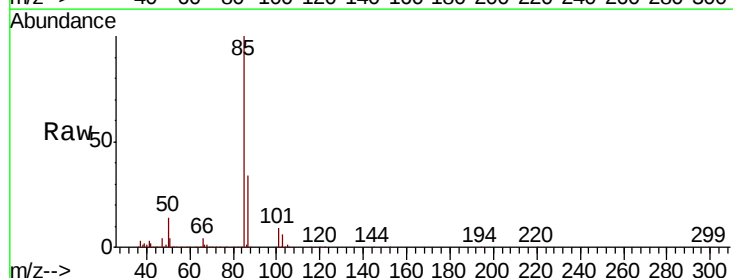
Acq: 23 Jun 2021 11:58

Tgt Ion: 85 Resp: 2418050

Ion Ratio Lower Upper

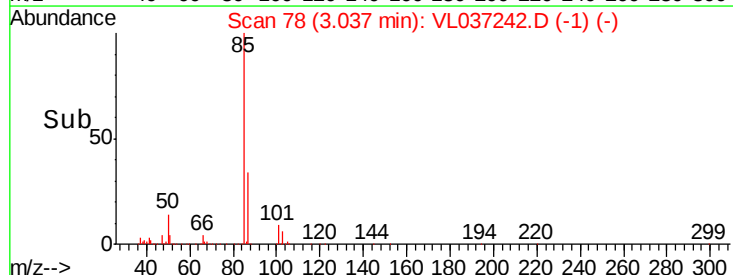
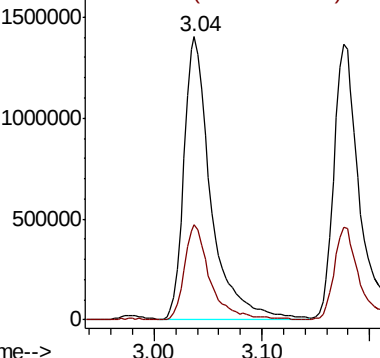
85 100

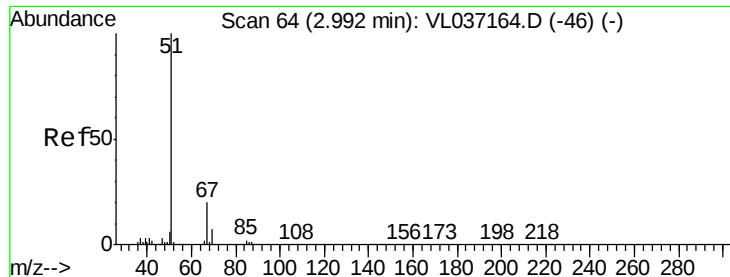
87 33.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.528 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

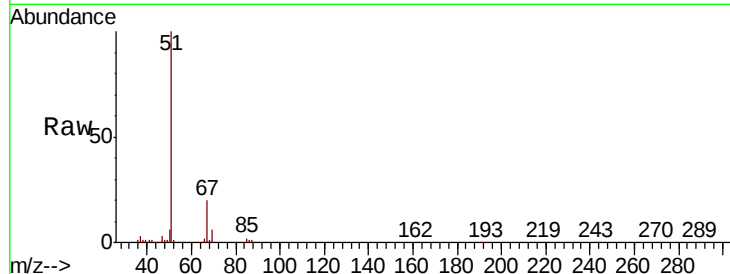
ClientSampleId :

Tot Ion: 51 Resp: 2537024

Ion Ratio Lower Upper

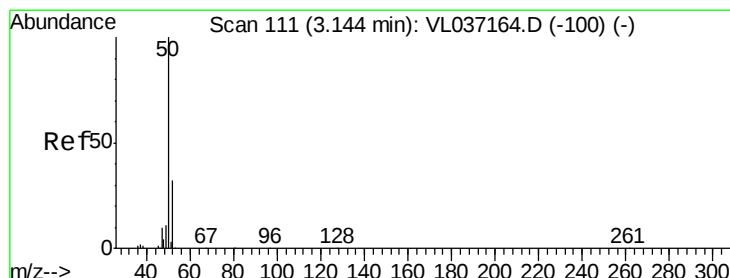
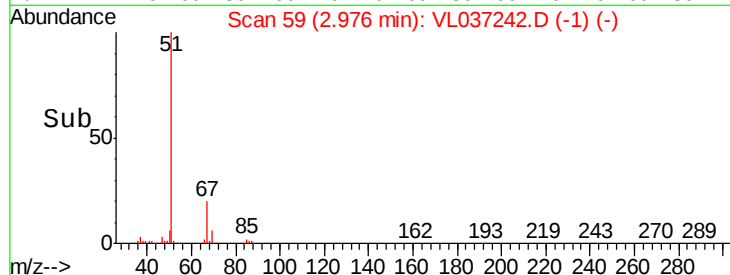
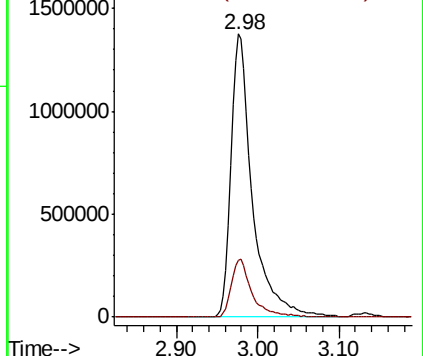
51 100

67 20.1 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: 8.112 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037242.D

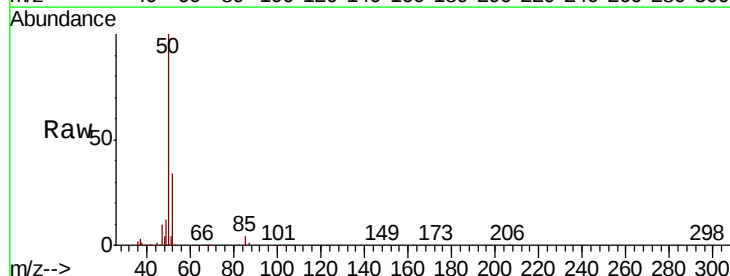
Acq: 23 Jun 2021 11:58

Tgt Ion: 50 Resp: 804354

Ion Ratio Lower Upper

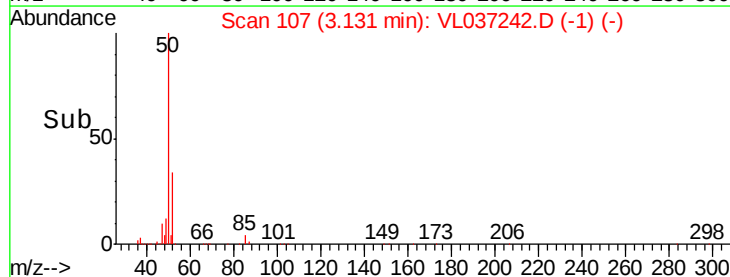
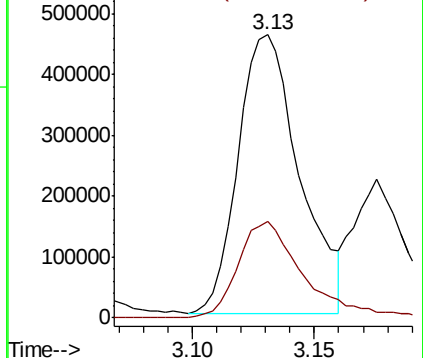
50 100

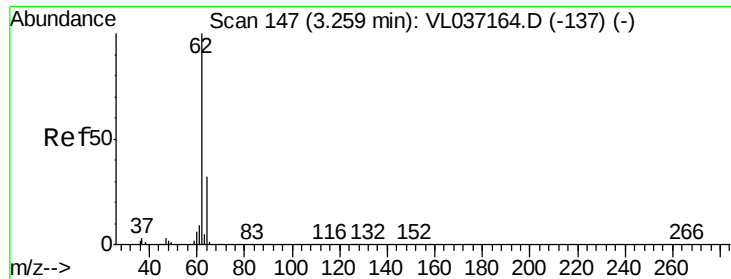
52 34.3 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.234 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

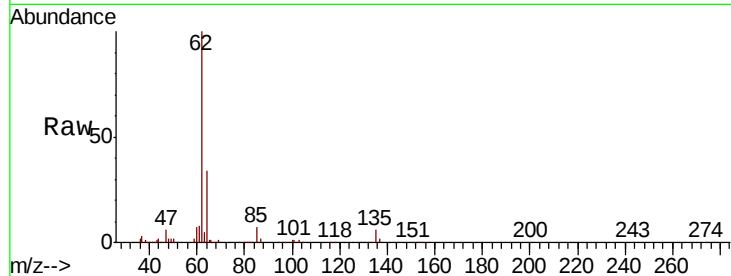
ClientSampled :

Tot Ion: 62 Resp: 897310

Ion Ratio Lower Upper

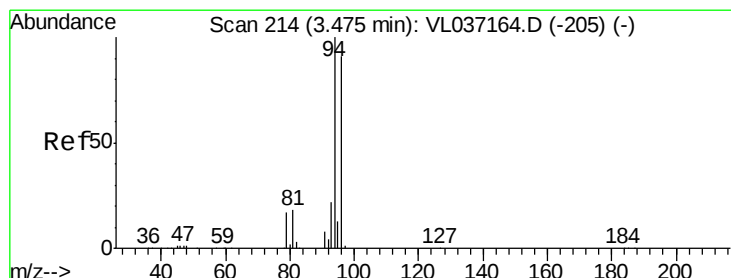
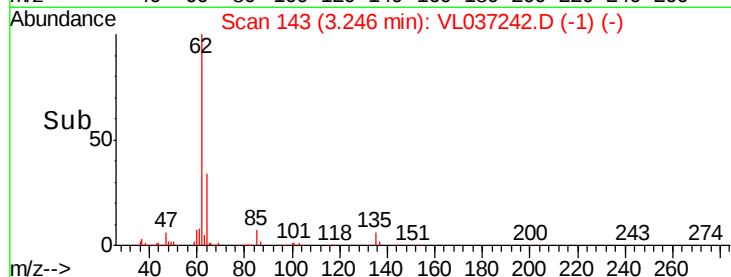
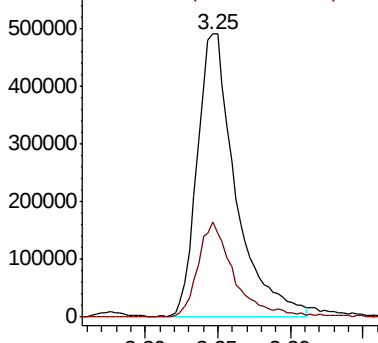
62 100

64 33.9 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 7.575 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL037242.D

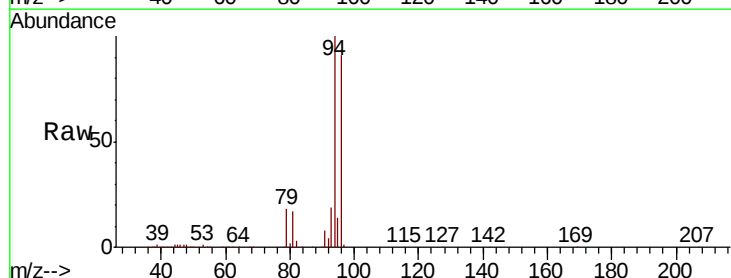
Acq: 23 Jun 2021 11:58

Tgt Ion: 94 Resp: 492421

Ion Ratio Lower Upper

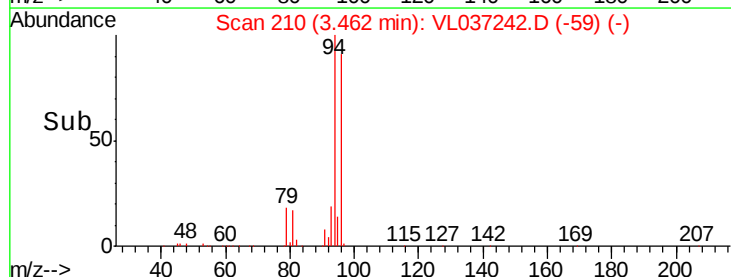
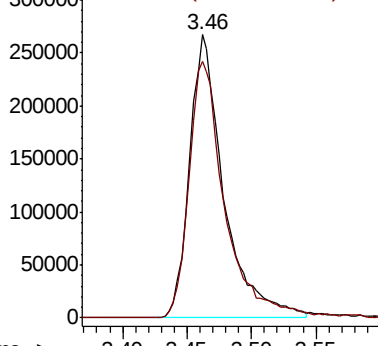
94 100

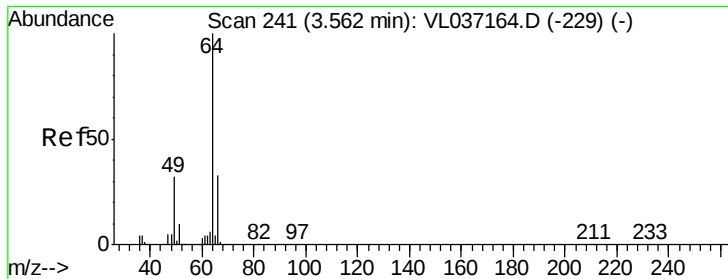
96 90.6 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.435 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

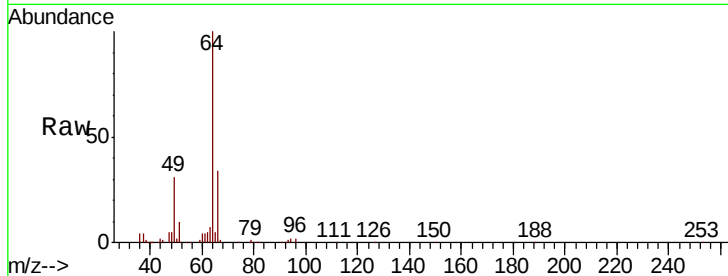
ClientSampleId :

Tot Ion: 64 Resp: 328560

Ion Ratio Lower Upper

64 100

66 33.6 26.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

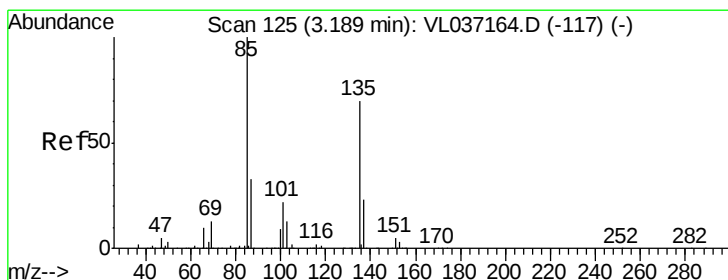
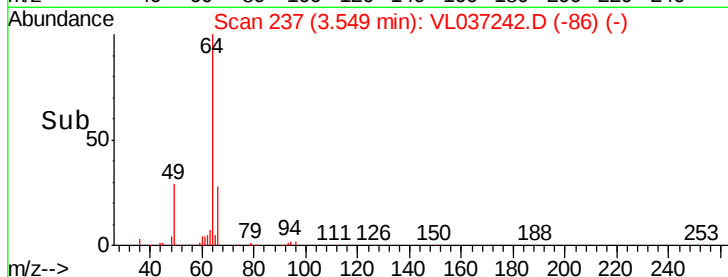
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.342 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037242.D

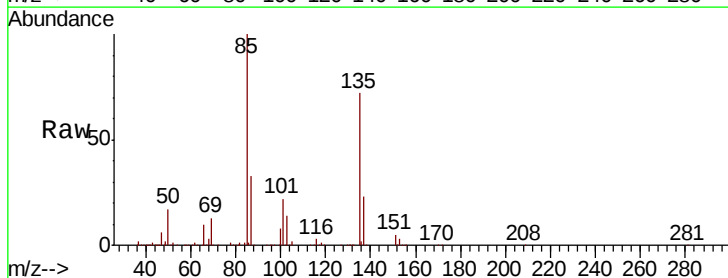
Acq: 23 Jun 2021 11:58

Tgt Ion: 85 Resp: 2277182

Ion Ratio Lower Upper

85 100

135 73.6 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

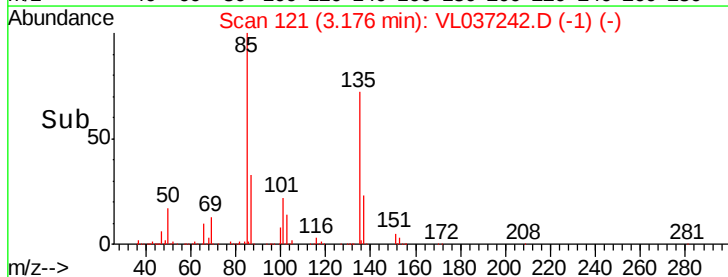
1500000

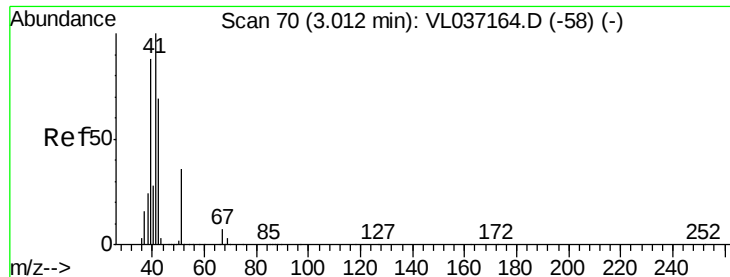
1000000

500000

0

Time-->





#9

Propene

Concen: 7.916 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

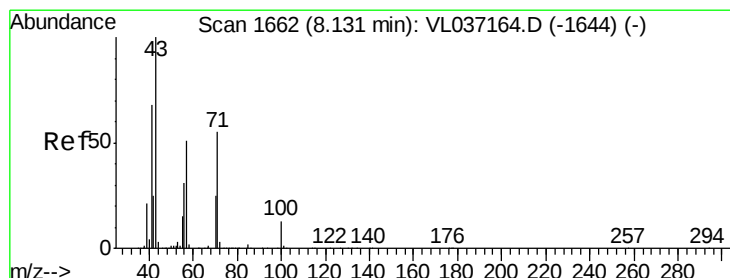
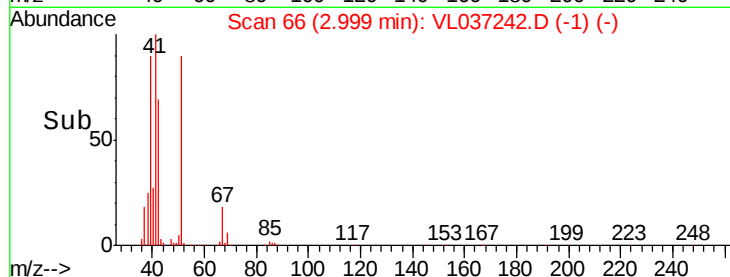
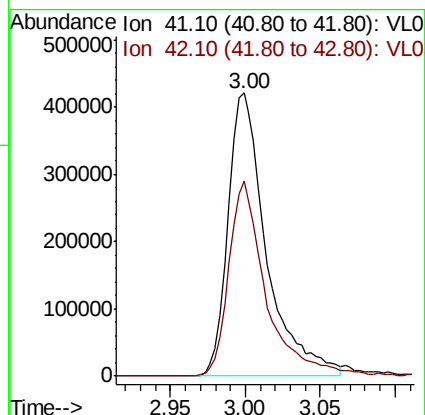
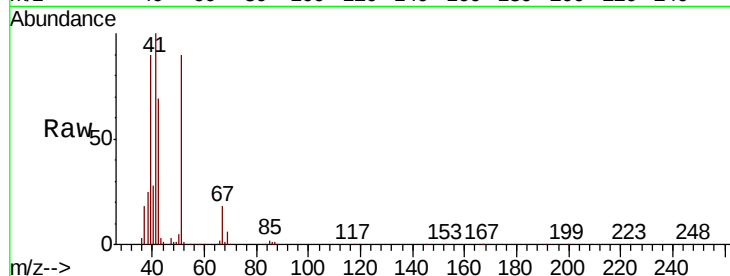
ClientSampleId :

Tot Ion: 41 Resp: 753002

Ion Ratio Lower Upper

41 100

42 67.8 54.5 81.7



#10

Heptane

Concen: 8.600 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL037242.D

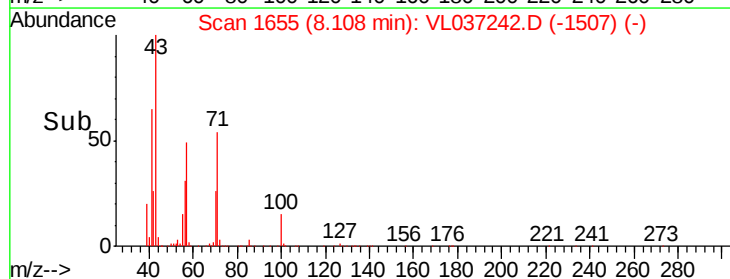
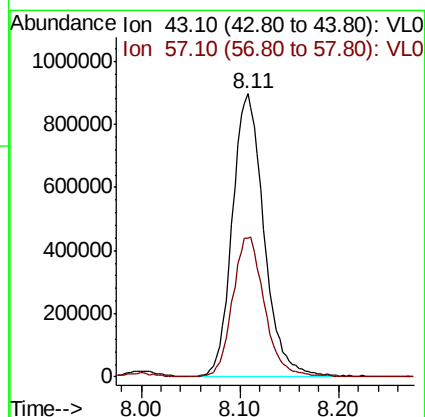
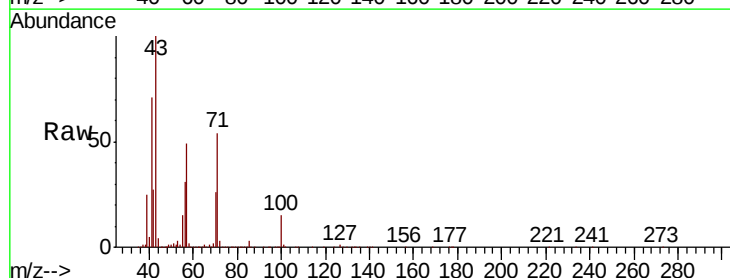
Acq: 23 Jun 2021 11:58

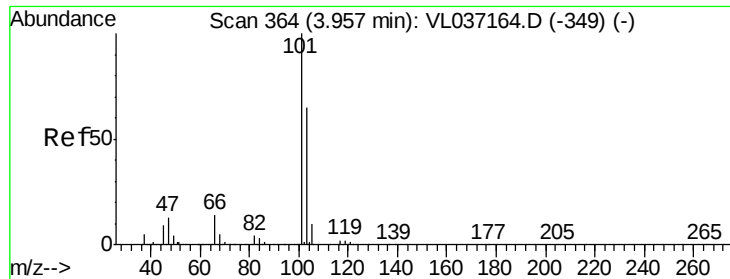
Tgt Ion: 43 Resp: 1981350

Ion Ratio Lower Upper

43 100

57 50.4 40.6 61.0

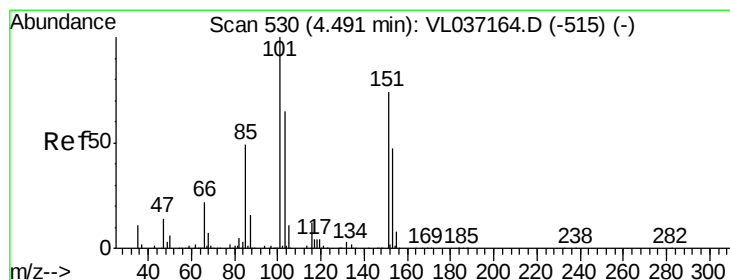
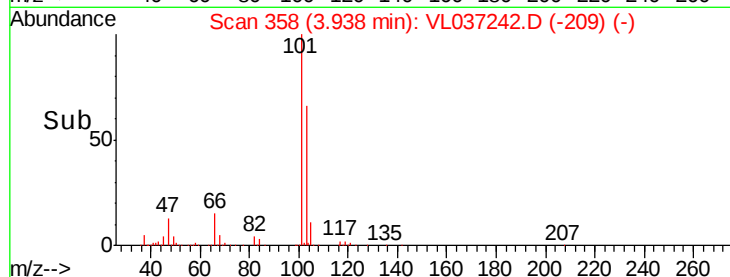
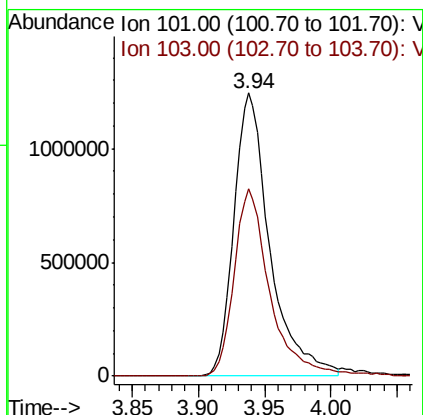
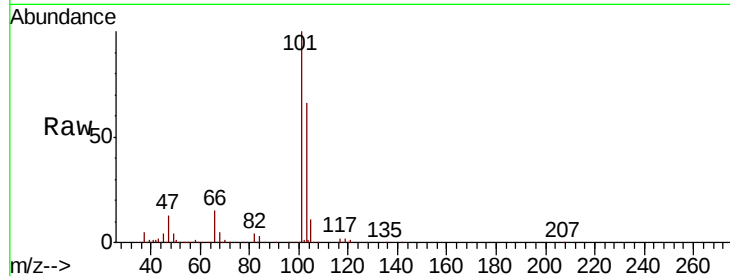




#11
 Trichlorofluoromethane
 Concen: 8.252 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

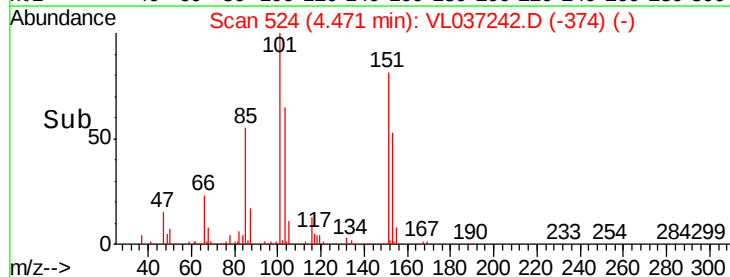
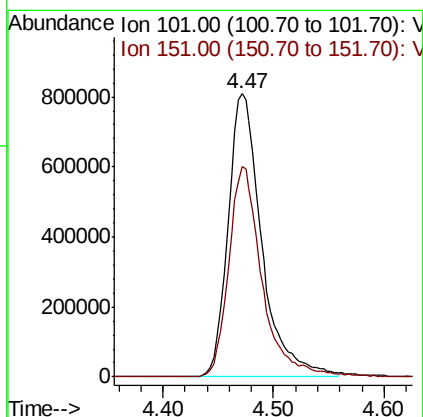
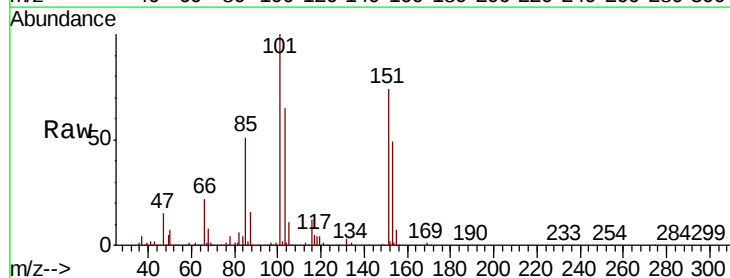
Instrument :
 MSVOA_L
 ClientSampleId :

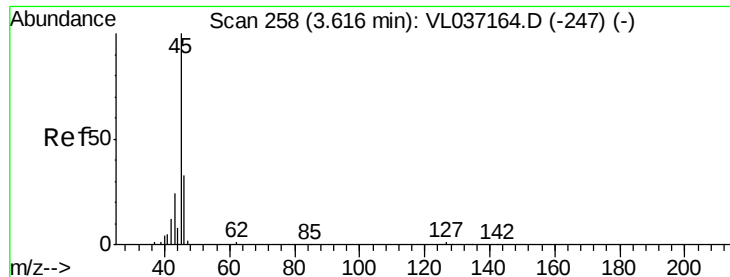
Tot Ion:101 Resp: 2343021
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.556 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion:101 Resp: 1712369
 Ion Ratio Lower Upper
 101 100
 151 73.8 59.1 88.7





#13

Ethanol

Concen: 6.100 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

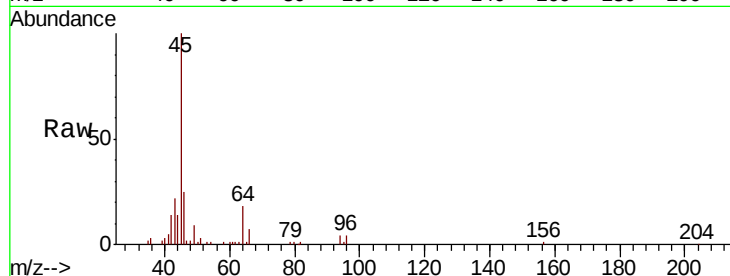
ClientSampleId :

Tot Ion: 45 Resp: 89764

Ion Ratio Lower Upper

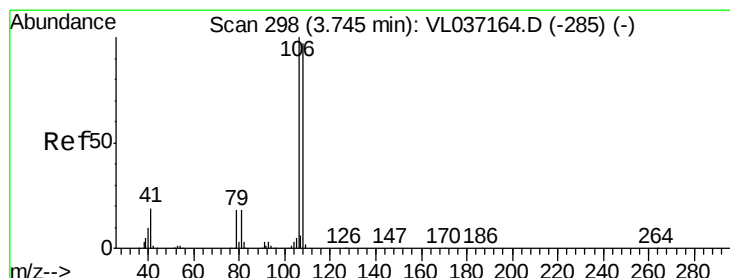
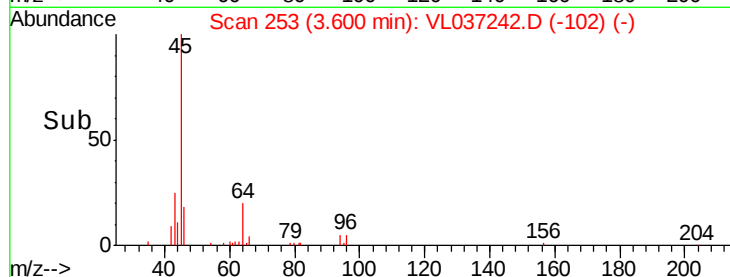
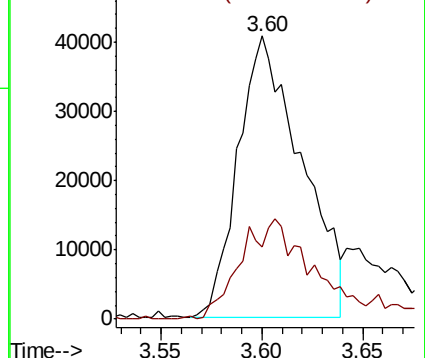
45 100

46 47.9 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: 8.332 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

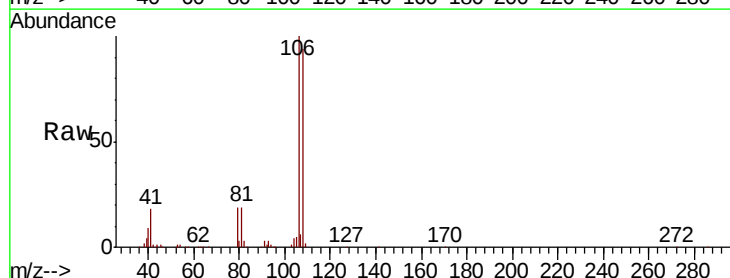
Tgt Ion: 108 Resp: 695984

Ion Ratio Lower Upper

108 100

106 110.3 86.8 130.2

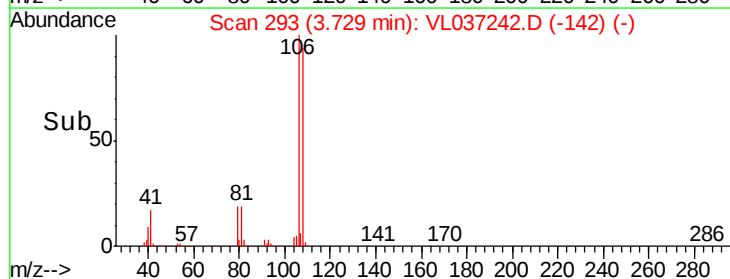
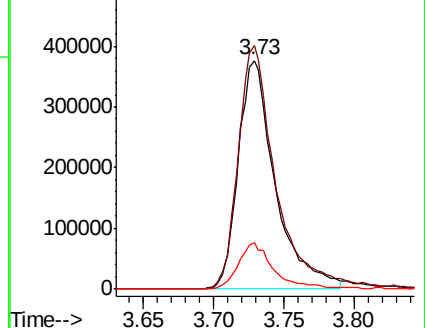
79 20.2 15.6 23.4

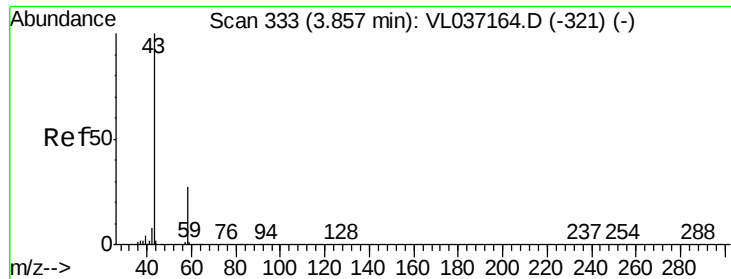


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

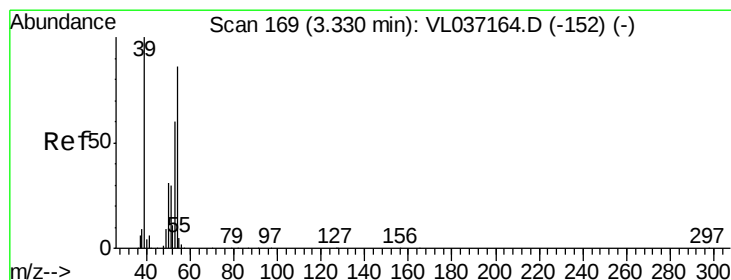
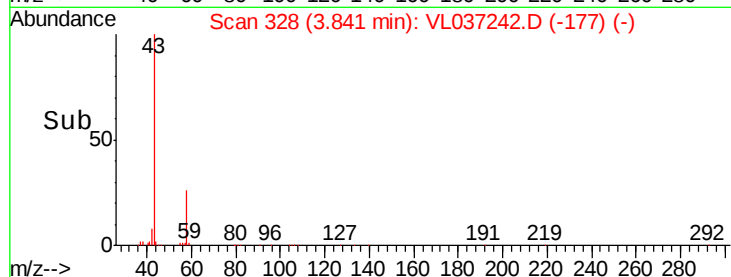
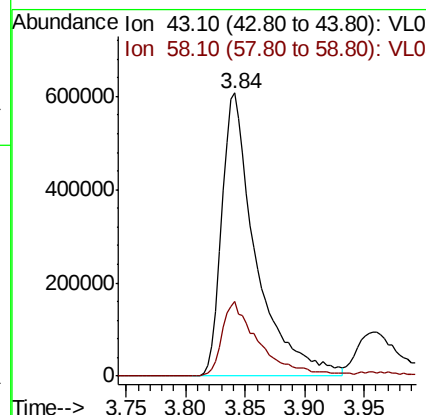
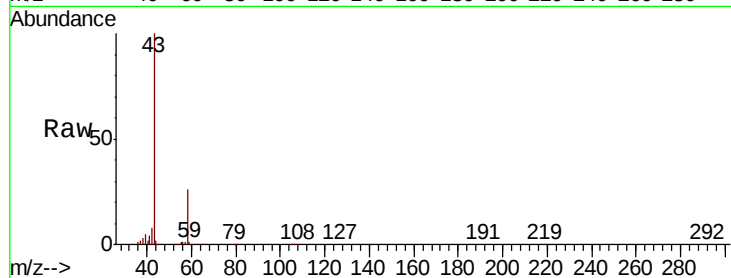




#15
Acetone
Concen: 7.013 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

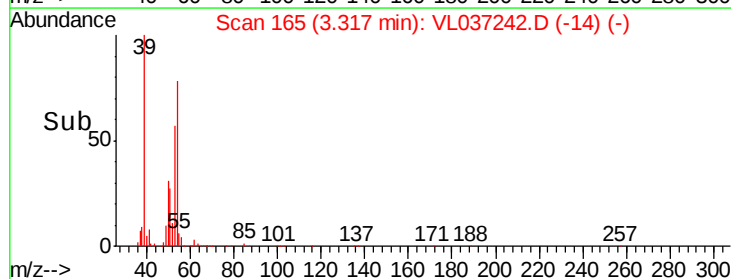
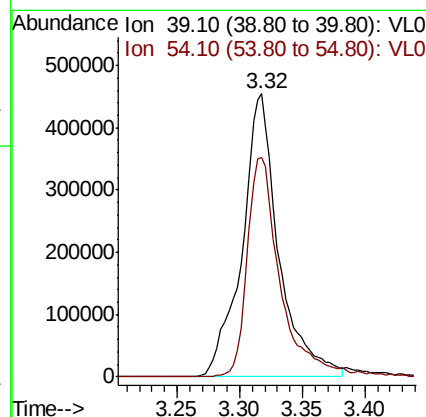
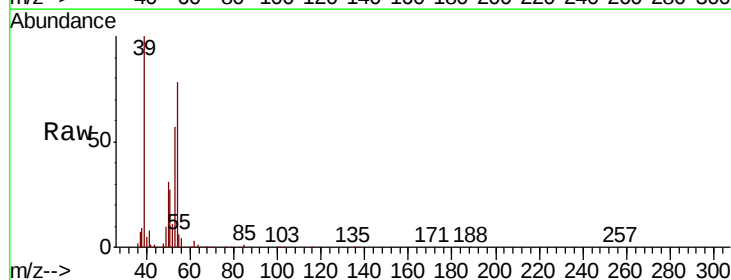
Instrument :
MSVOA_L
ClientSampleId :

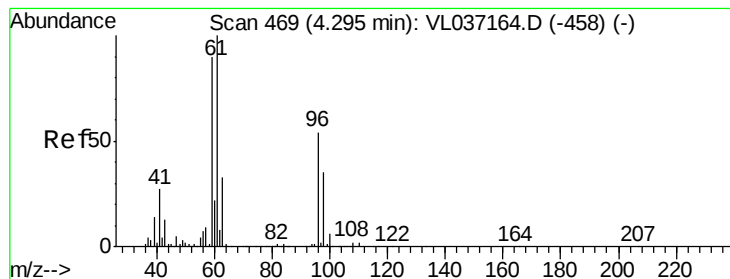
Tot Ion: 43 Resp: 1210024
Ion Ratio Lower Upper
43 100
58 28.6 23.7 35.5



#16
1,3-Butadiene
Concen: 9.078 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 39 Resp: 925985
Ion Ratio Lower Upper
39 100
54 70.8 61.2 91.8





#17

tert-Butyl alcohol

Concen: 8.237 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

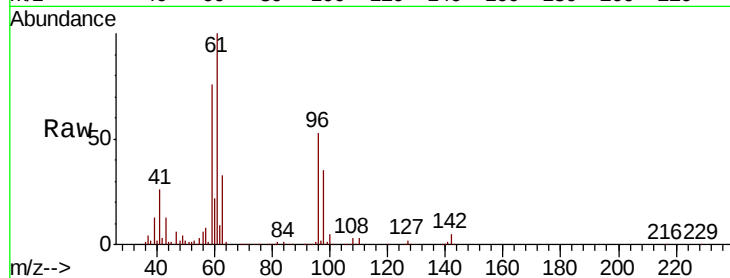
ClientSampleId :

Tot Ion: 59 Resp: 1313506

Ion Ratio Lower Upper

59 100

57 10.8 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

600000

500000

400000

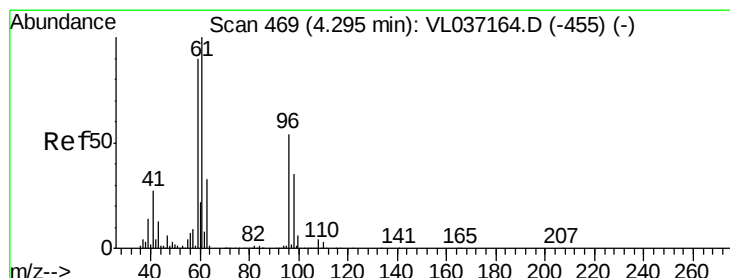
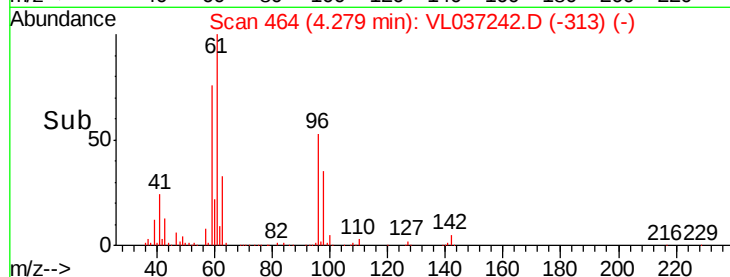
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 8.627 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

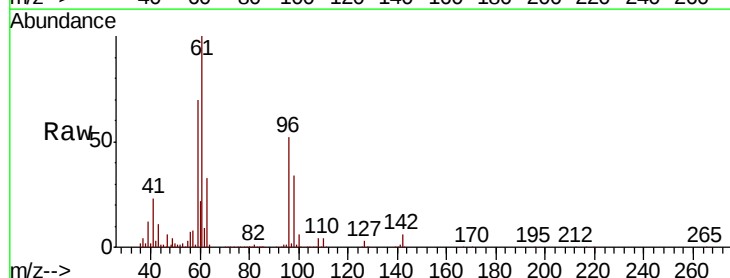
Tgt Ion: 96 Resp: 765147

Ion Ratio Lower Upper

96 100

61 191.2 148.6 222.8

98 64.2 51.9 77.9



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

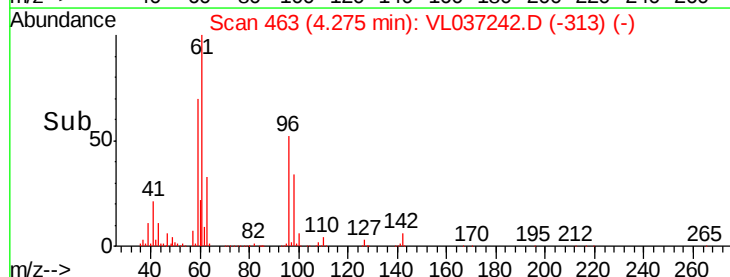
600000

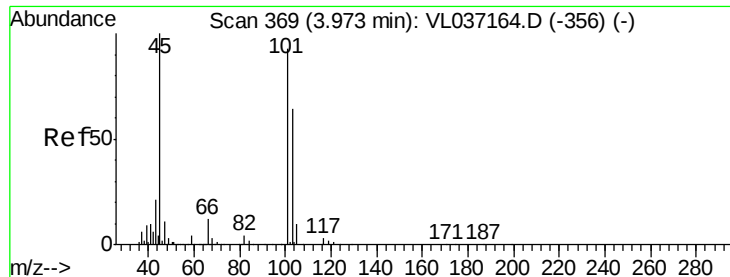
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 7.502 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

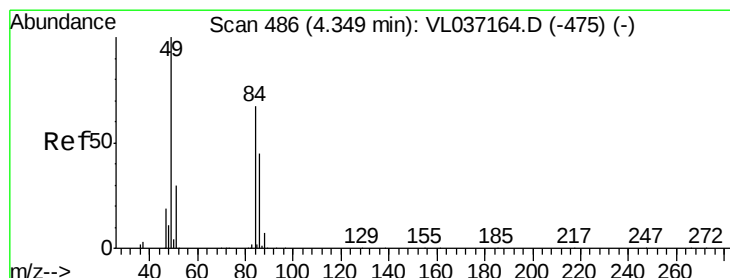
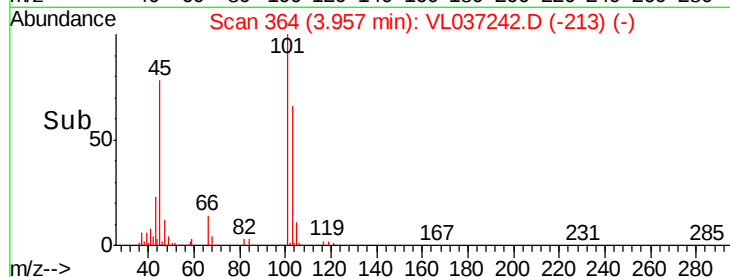
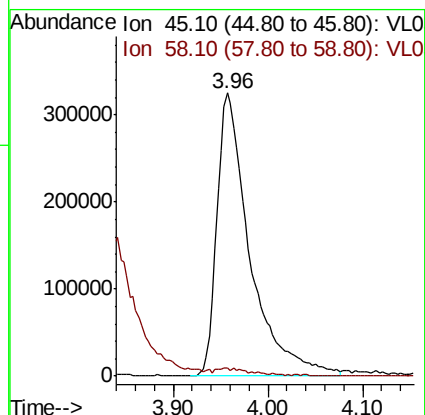
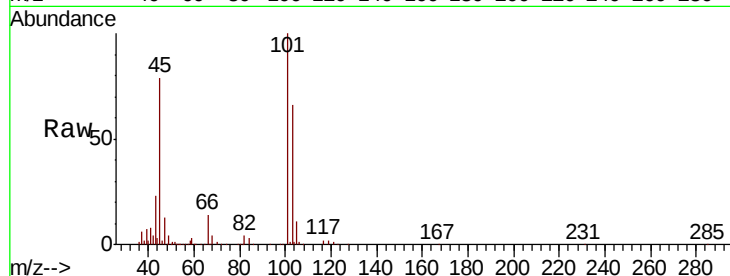
ClientSampleId :

Tot Ion: 45 Resp: 783945

Ion Ratio Lower Upper

45 100

58 3.4 2.4 3.6



#20

Methylene Chloride

Concen: 6.200 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tgt Ion: 84 Resp: 640386

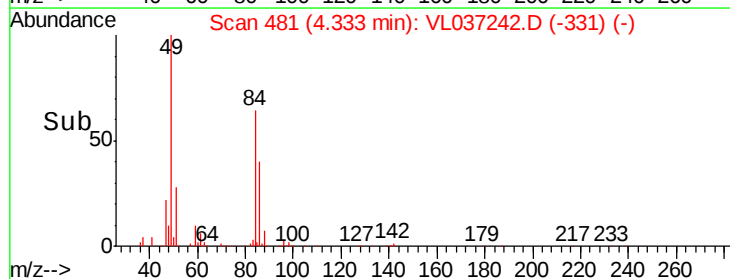
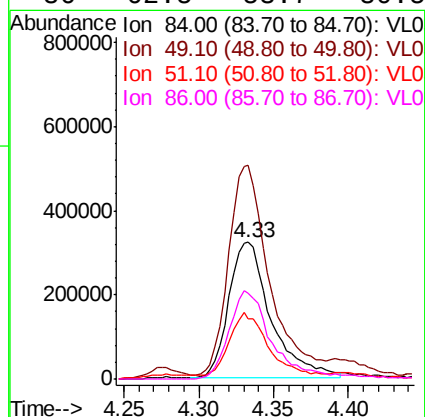
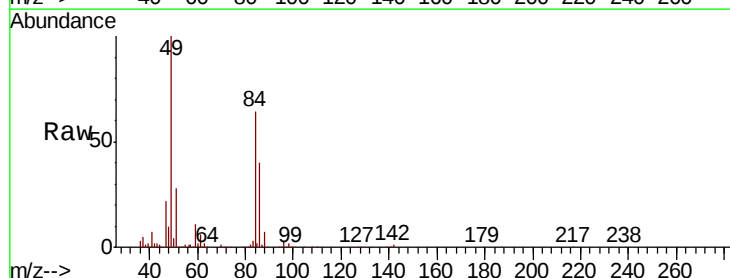
Ion Ratio Lower Upper

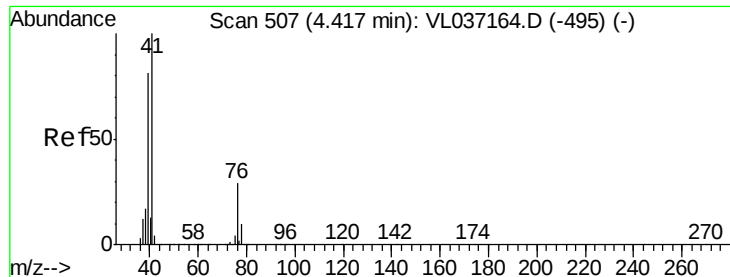
84 100

49 153.7 119.7 179.5

51 42.0 36.1 54.1

86 62.5 53.7 80.5





#21

Allvl Chloride

Concen: 7.775 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.02 min

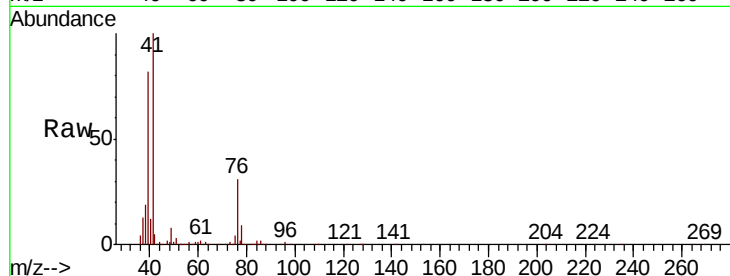
Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

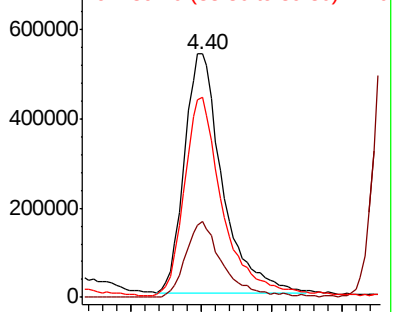
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1011197

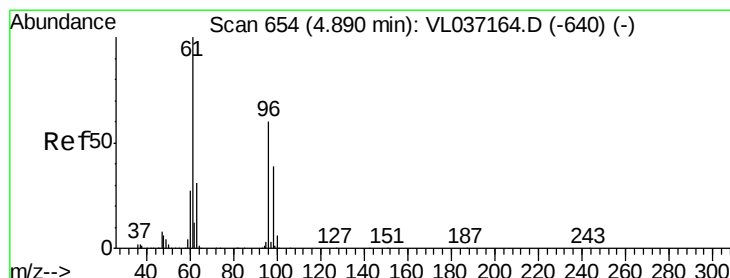
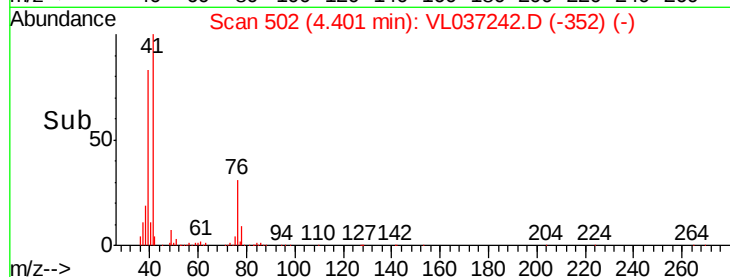
Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.6	37.0
39	84.7	65.4	98.0



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



Time-->



#22

trans-1,2-Dichloroethene

Concen: 8.470 ppbv

RT: 4.87 min Scan# 648

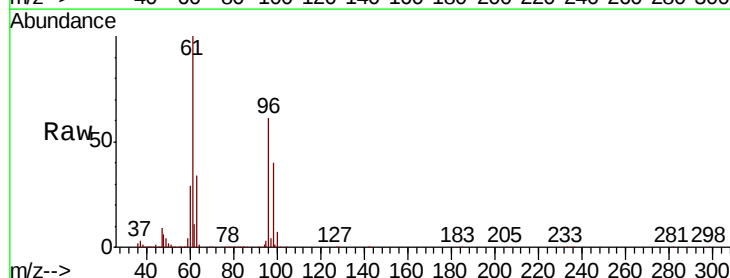
Delta R.T. -0.02 min

Lab File: VL037242.D

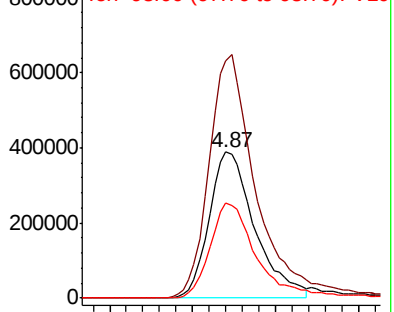
Acq: 23 Jun 2021 11:58

Tgt Ion: 96 Resp: 743339

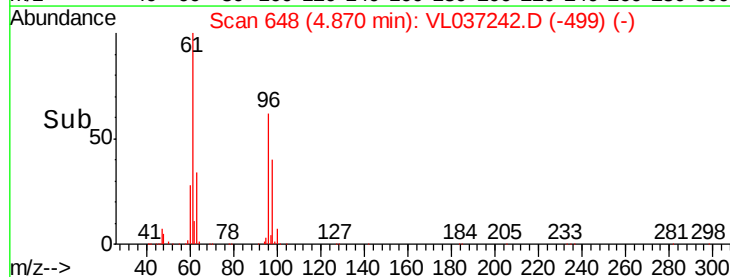
Ion	Ratio	Lower	Upper
96	100		
61	162.6	133.9	200.9
98	64.9	52.9	79.3

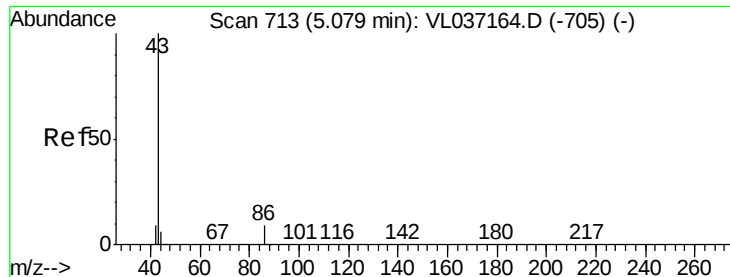


Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



Time-->





#23

Vinyl Acetate

Concen: 8.416 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 2081980

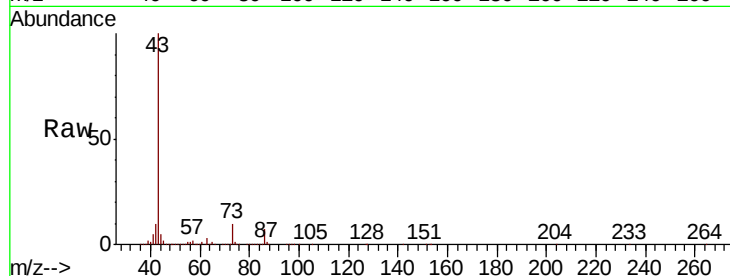
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.8
42	10.2	8.2	12.2
44	4.6	4.2	6.4

43 100

86 7.4 5.8 8.8

42 10.2 8.2 12.2

44 4.6 4.2 6.4

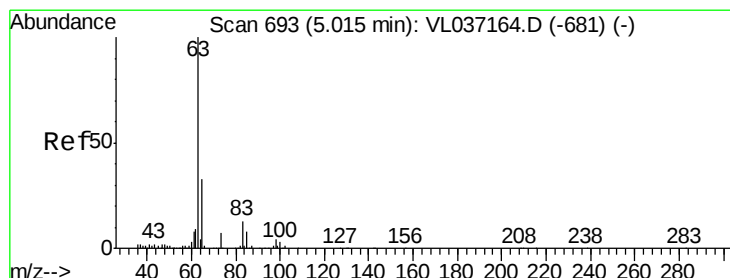
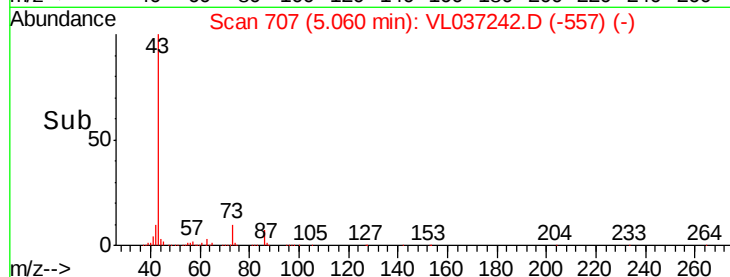
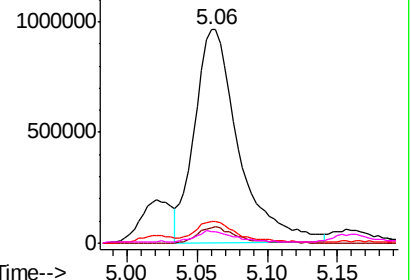


Abundance Ion 43.10 (42.80 to 43.80): VL0

1500000 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: 7.819 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

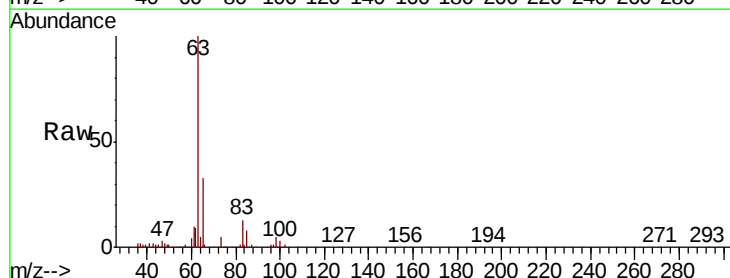
Tgt Ion: 63 Resp: 1557456

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.8	1.4	4.0

63 100

98 4.8 2.1 6.5

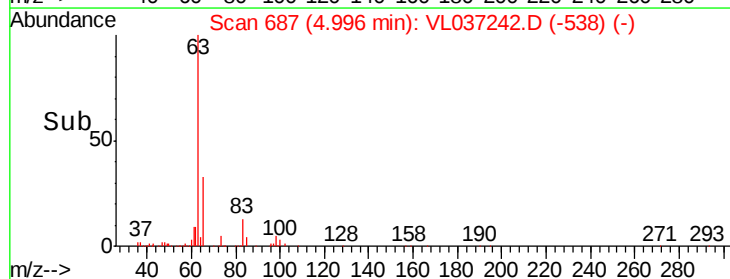
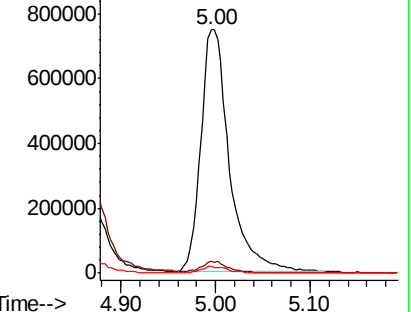
100 2.8 1.4 4.0

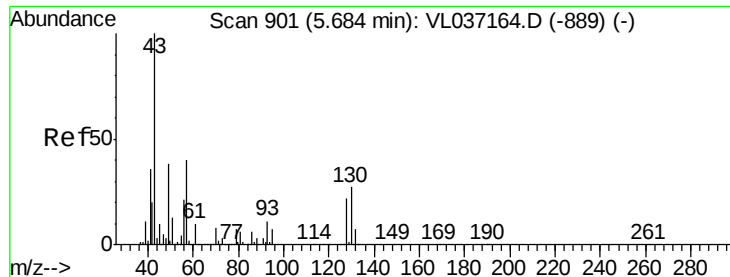


Abundance Ion 63.10 (62.80 to 63.80): VL0

1000000 Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

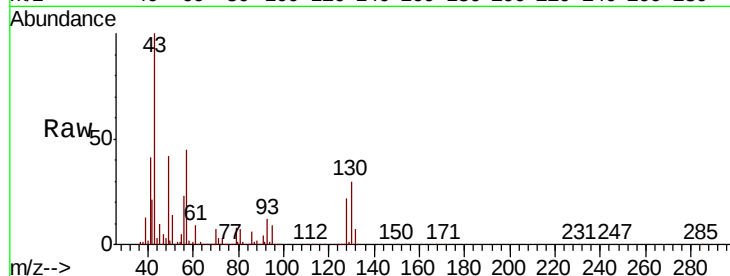




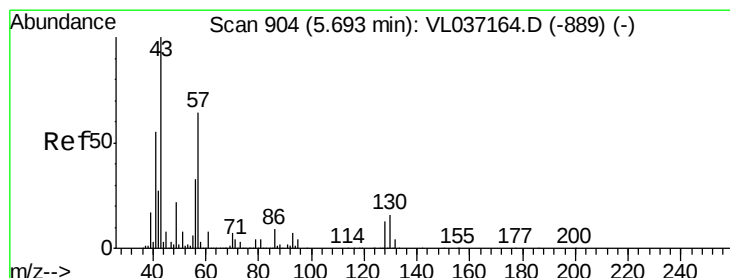
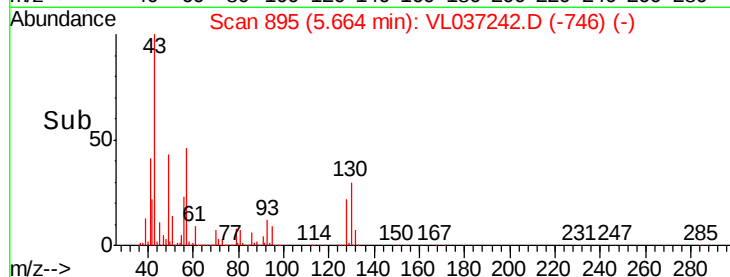
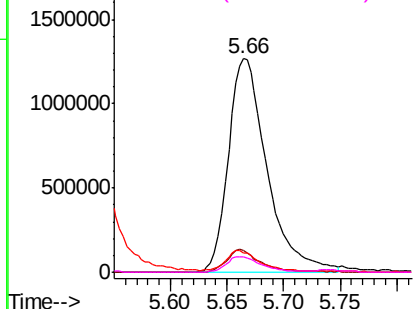
#25
Ethyl Acetate
Concen: 8.024 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2997100
Ion Ratio Lower Upper
43 100
45 9.5 8.0 12.0
61 9.8 8.1 12.1
70 6.7 5.5 8.3

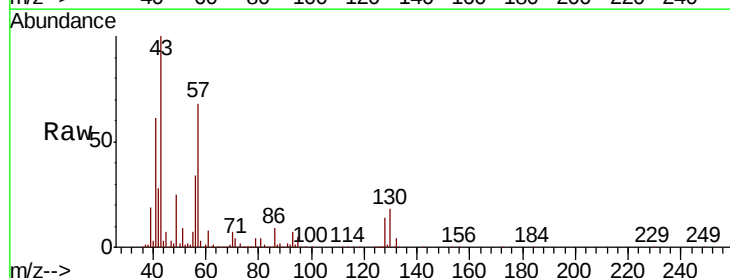


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

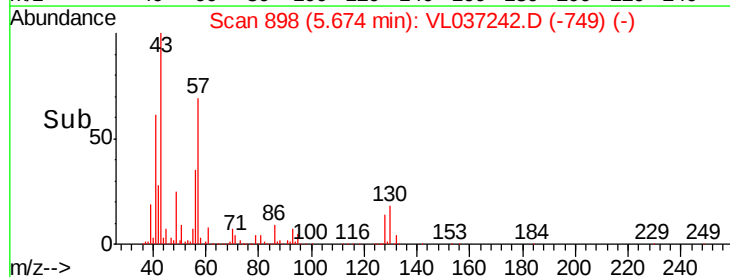
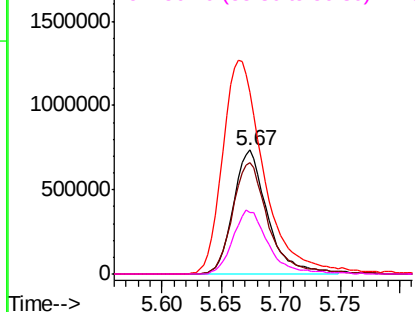


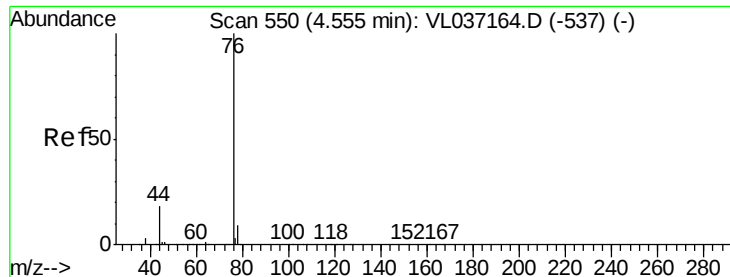
#26
Hexane
Concen: 7.771 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 57 Resp: 1467078
Ion Ratio Lower Upper
57 100
41 94.6 73.5 110.3
43 209.4 170.7 256.1
56 53.8 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: 9.148 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampled :

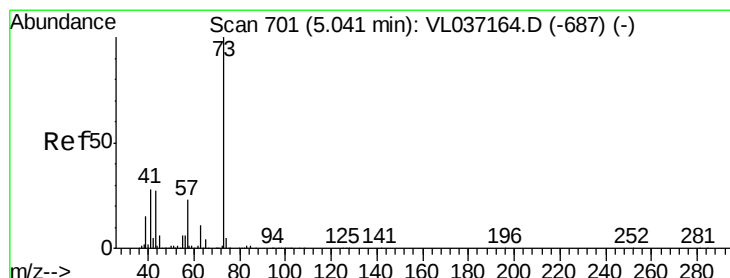
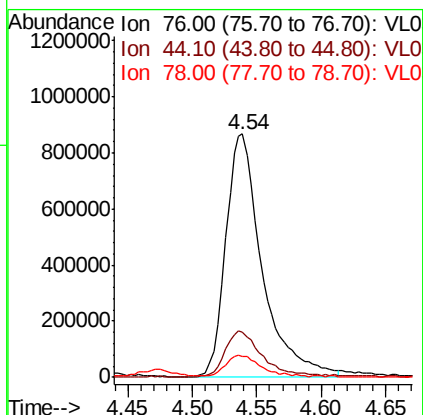
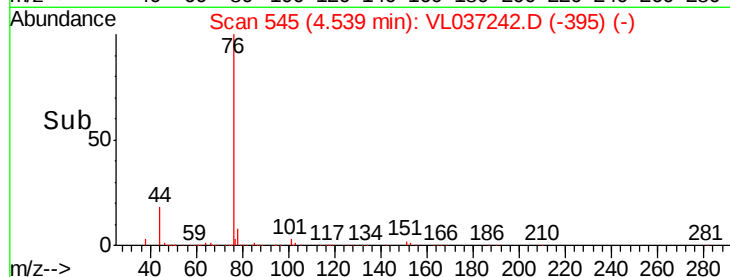
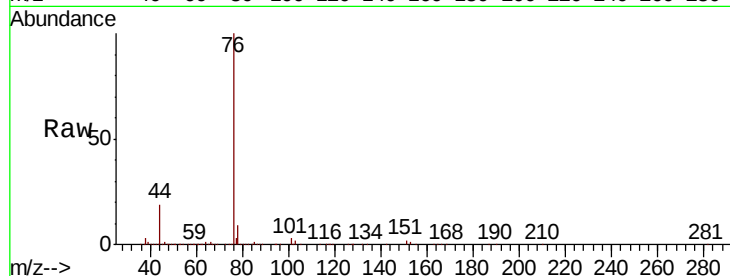
Tot Ion: 76 Resp: 1691988

Ion Ratio Lower Upper

76 100

44 19.2 15.4 23.2

78 9.5 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 7.041 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.02 min

Lab File: VL037242.D

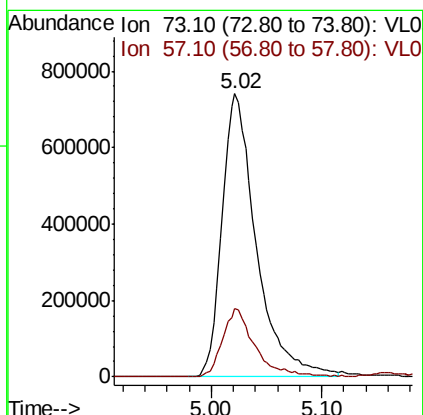
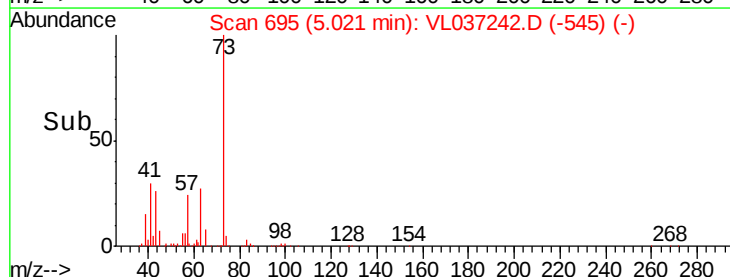
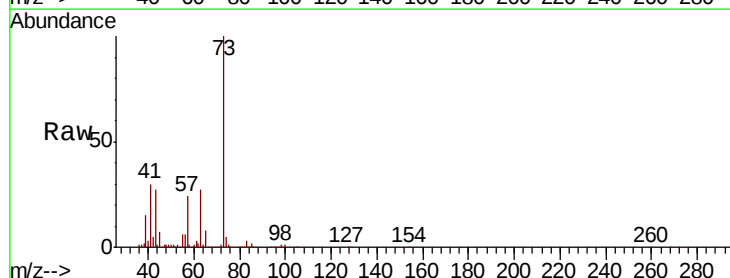
Acq: 23 Jun 2021 11:58

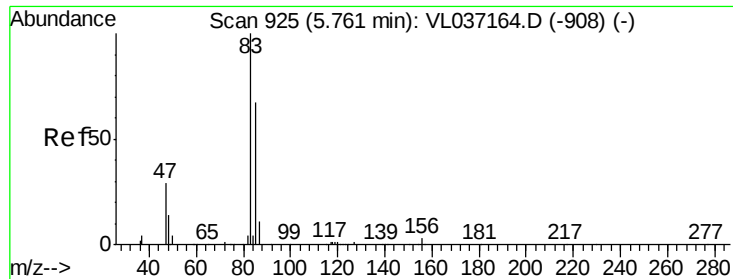
Tgt Ion: 73 Resp: 1597955

Ion Ratio Lower Upper

73 100

57 23.2 18.0 27.0

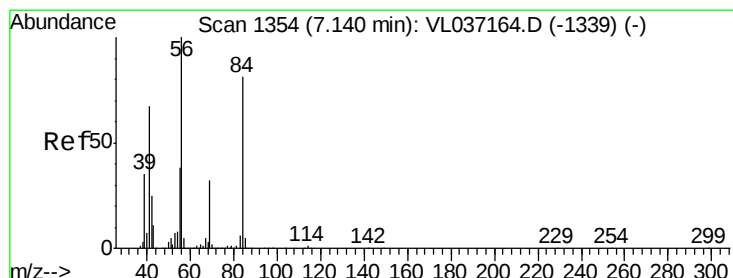
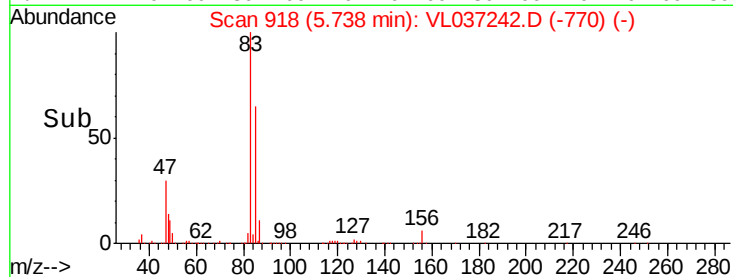
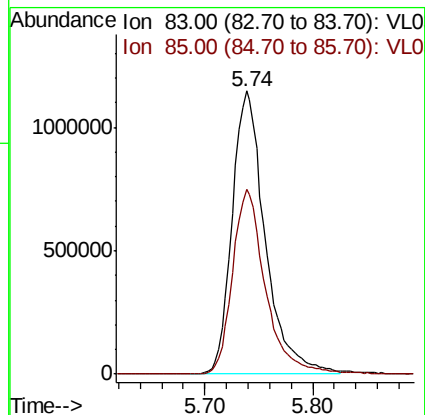
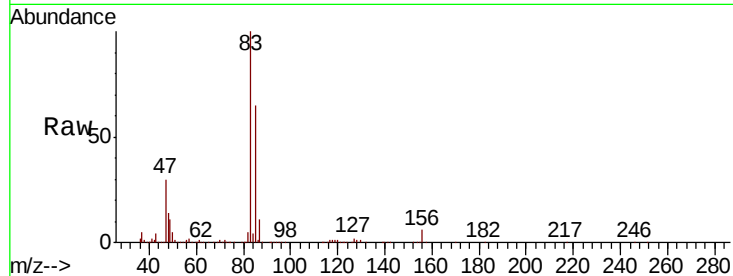




#29
Chloroform
Concen: 8.388 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

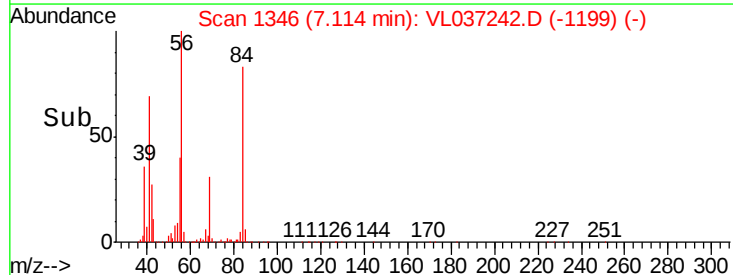
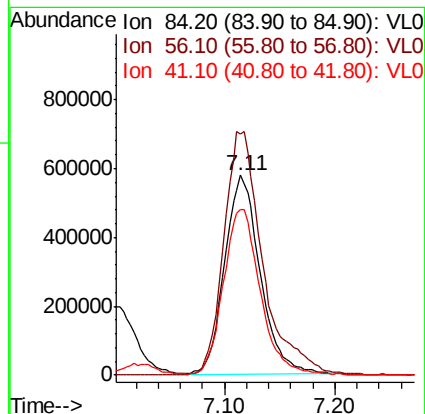
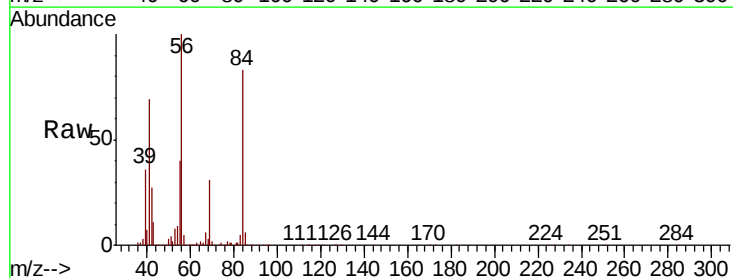
Instrument :
MSVOA_L
ClientSampled :

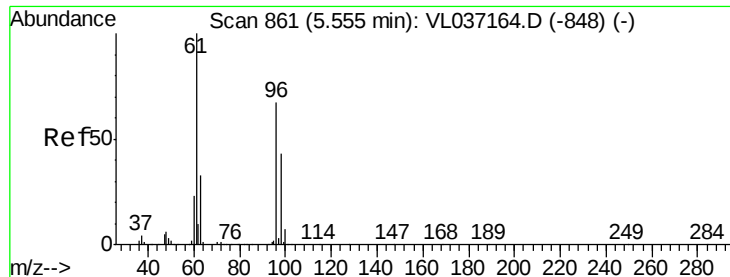
Tot Ion: 83 Resp: 2446043
Ion Ratio Lower Upper
83 100
85 64.9 53.6 80.4



#30
Cyclohexane
Concen: 8.186 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 84 Resp: 1287687
Ion Ratio Lower Upper
84 100
56 135.3 107.7 161.5
41 87.6 69.0 103.6



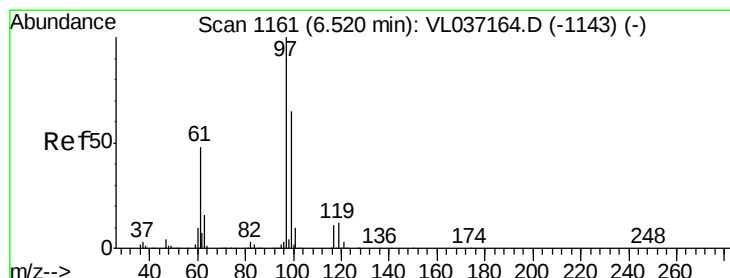
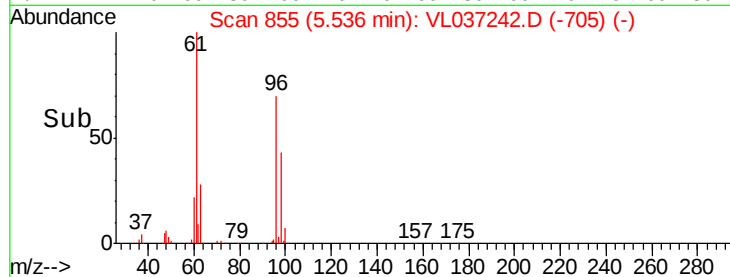
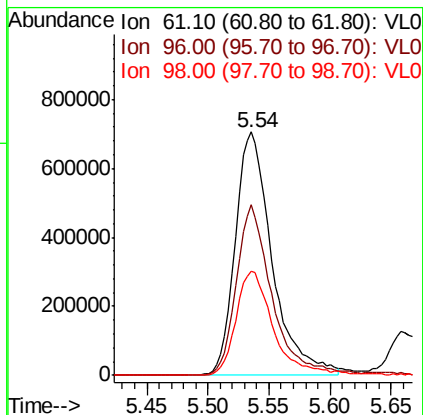
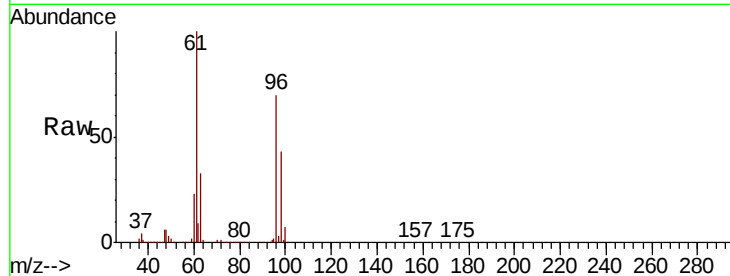


#31

cis-1,2-Dichloroethene
 Concen: 8.500 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :

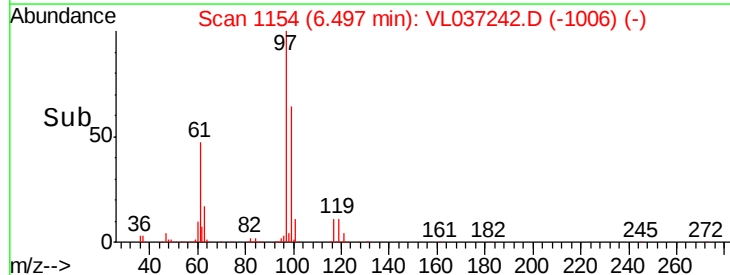
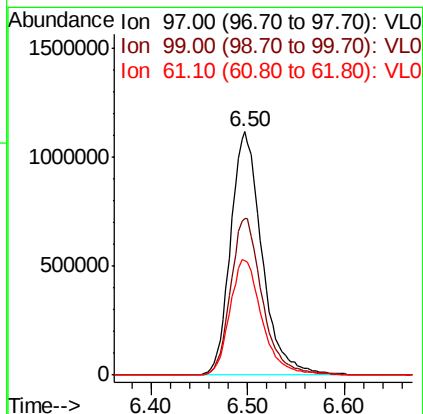
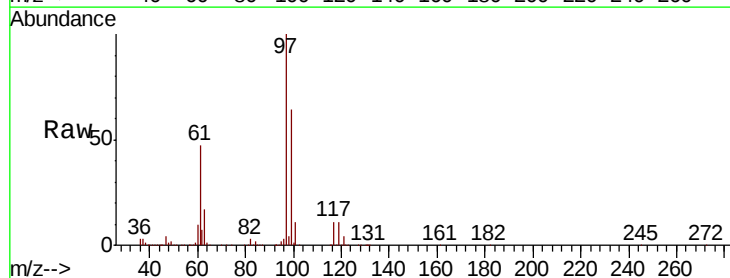
Tot Ion: 61 Resp: 1474525
 Ion Ratio Lower Upper
 61 100
 96 70.1 53.6 80.4
 98 43.0 34.7 52.1

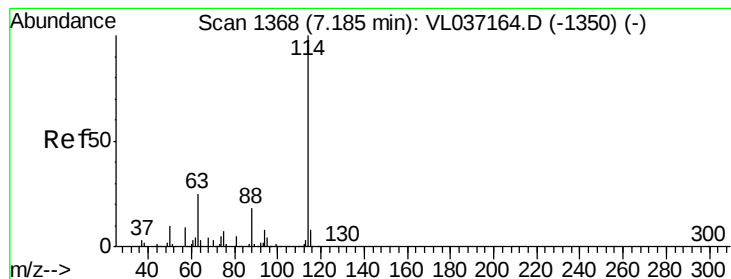


#32

1,1,1-Trichloroethane
 Concen: 8.078 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion: 97 Resp: 2520834
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.2 78.4
 61 49.1 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

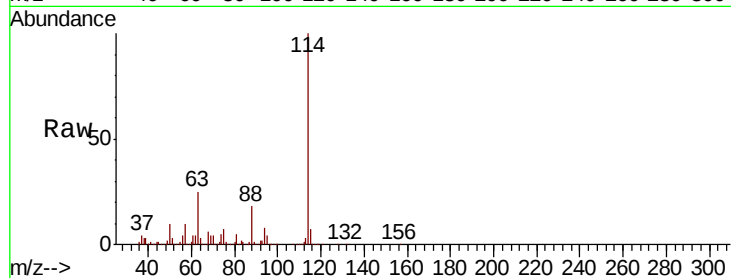
Tot Ion:114 Resp: 4499863

Ion Ratio Lower Upper

114 100

63 24.7 19.6 29.4

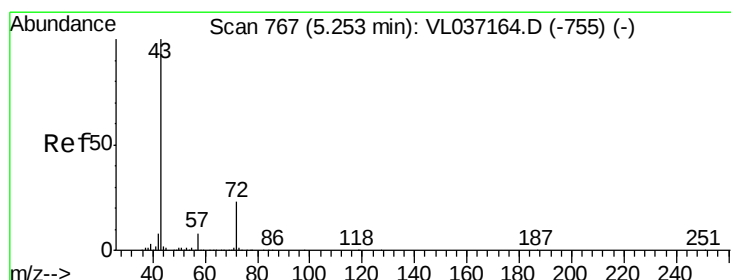
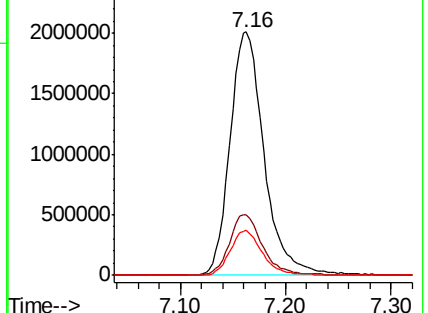
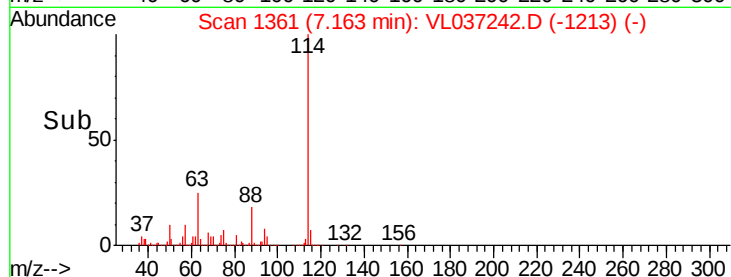
88 17.9 14.2 21.2



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 7.976 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.02 min

Lab File: VL037242.D

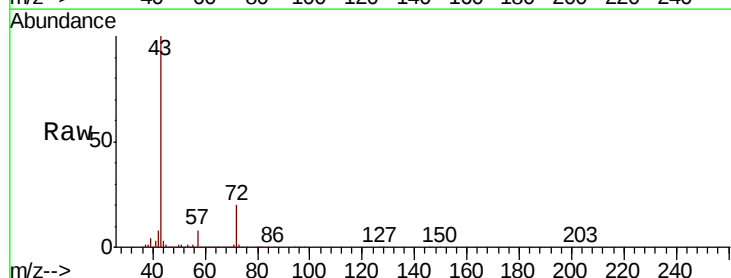
Acq: 23 Jun 2021 11:58

Tgt Ion: 43 Resp: 1395777

Ion Ratio Lower Upper

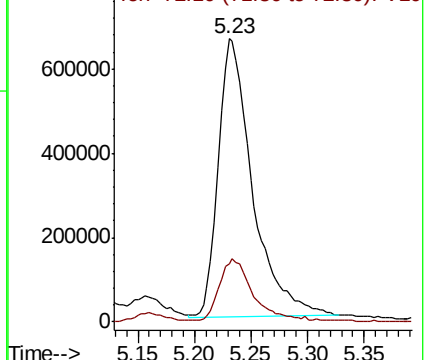
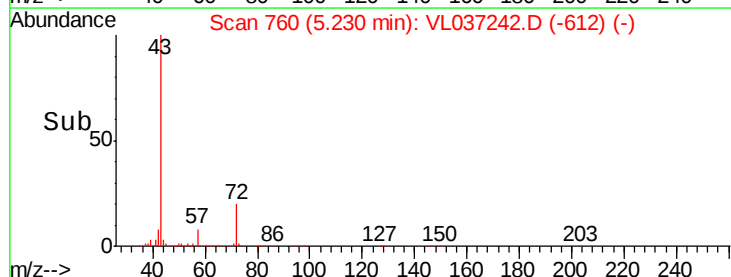
43 100

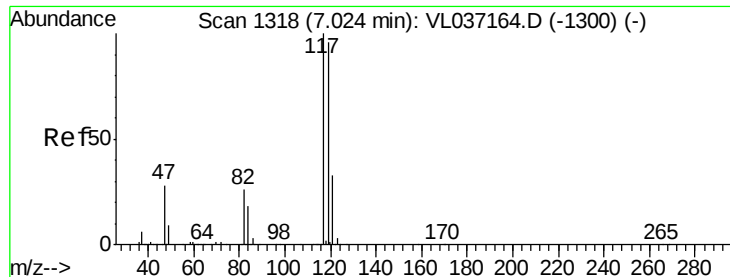
72 23.5 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.838 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

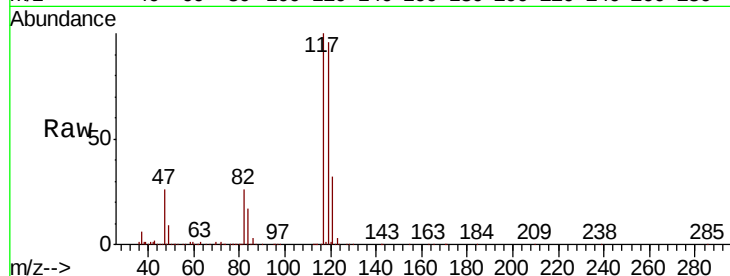
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2667327

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.6	114.8
121	31.6	26.4	39.6

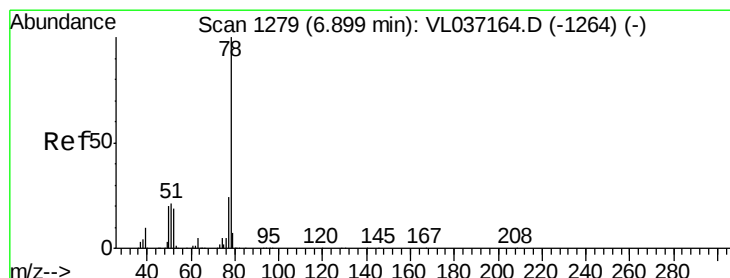
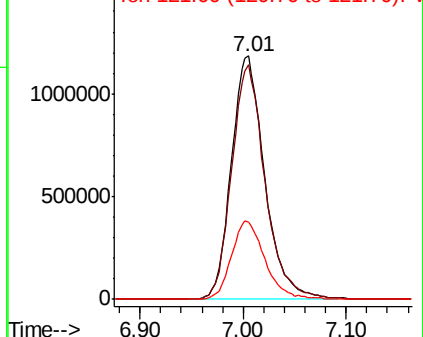
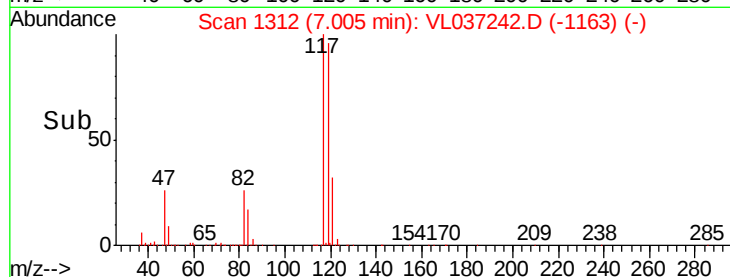


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.443 ppbv

RT: 6.88 min Scan# 1272

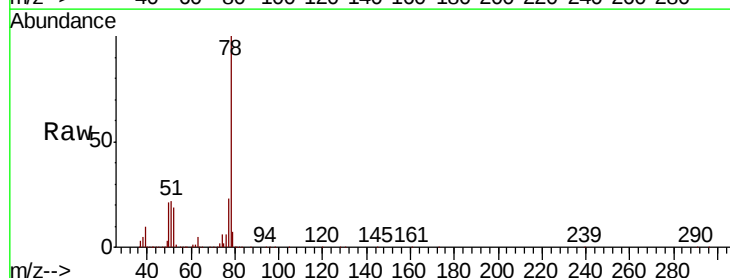
Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tgt Ion: 78 Resp: 3072175

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6
50	20.9	15.7	23.5

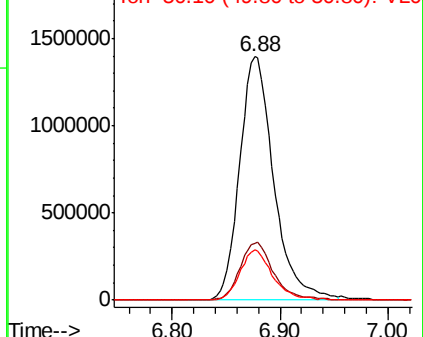
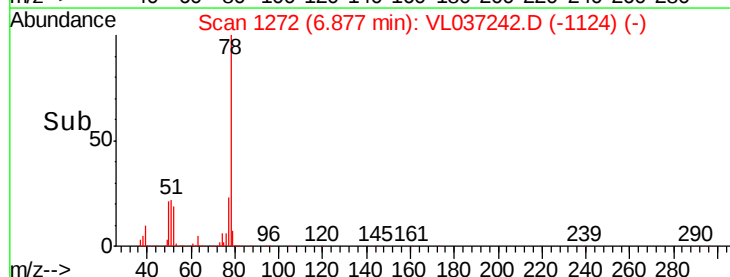


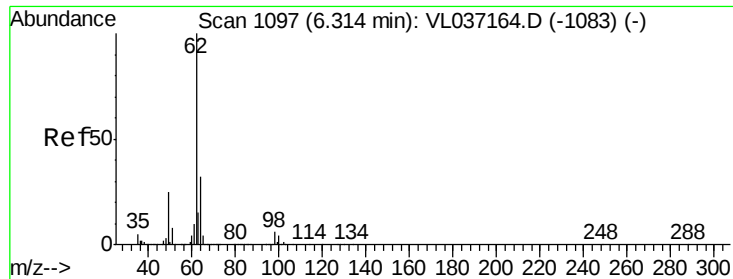
Abundance

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

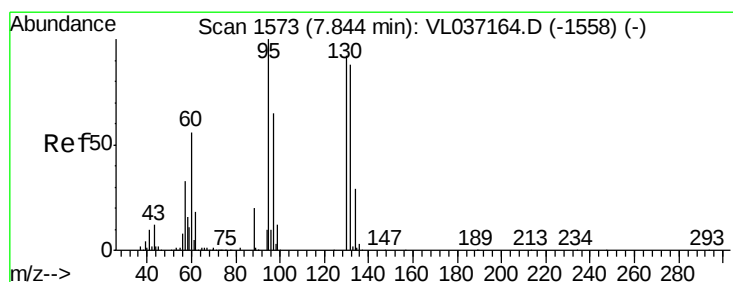
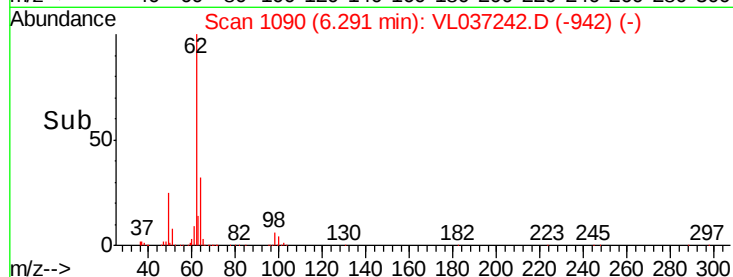
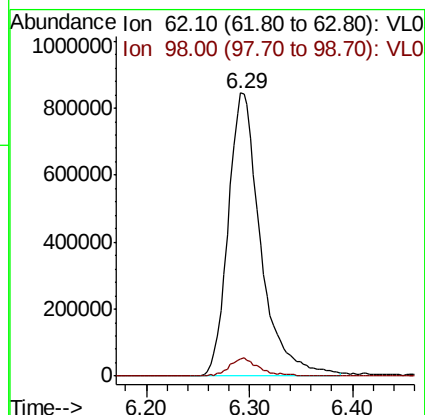
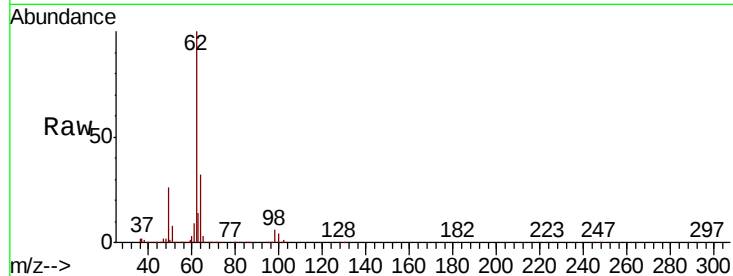




#37
 1,2-Dichloroethane
 Concen: 8.772 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

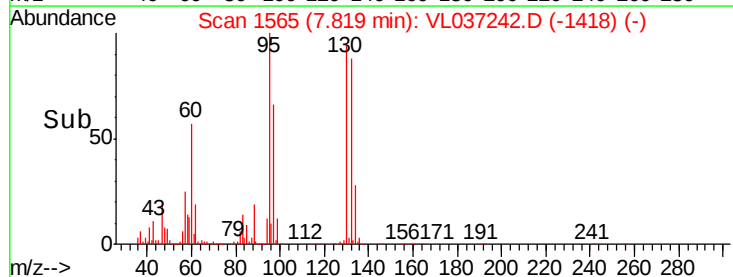
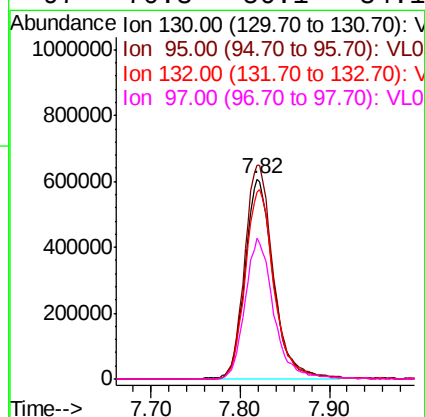
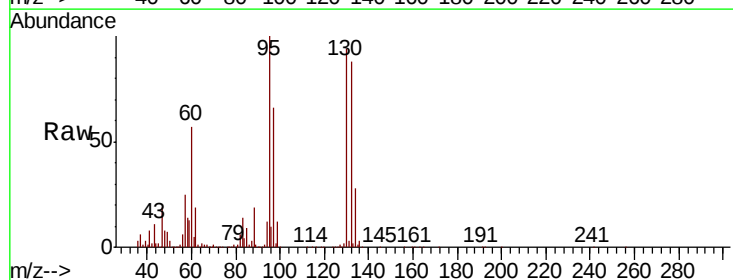
Instrument :
 MSVOA_L
 ClientSampleId :

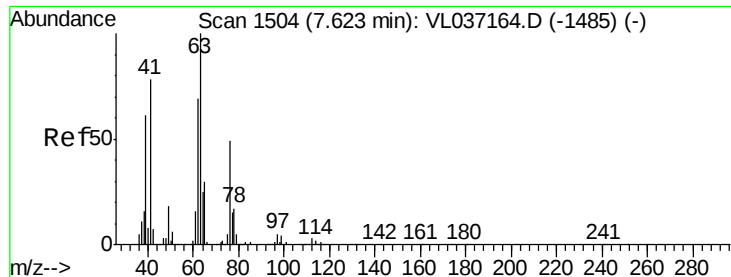
Tot Ion: 62 Resp: 1854216
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6



#38
 Trichloroethene
 Concen: 7.793 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion:130 Resp: 1347982
 Ion Ratio Lower Upper
 130 100
 95 106.8 86.6 129.8
 132 93.7 76.6 114.8
 97 70.3 56.1 84.1

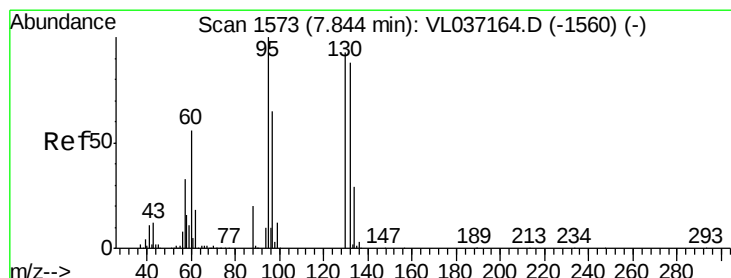
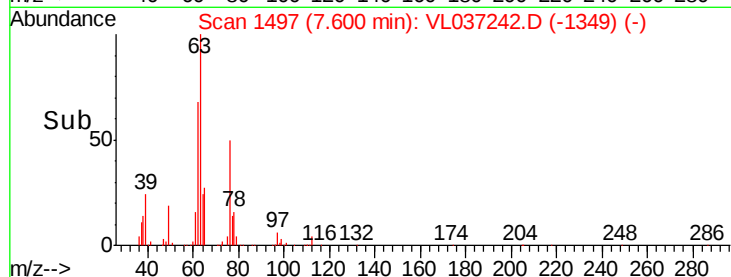
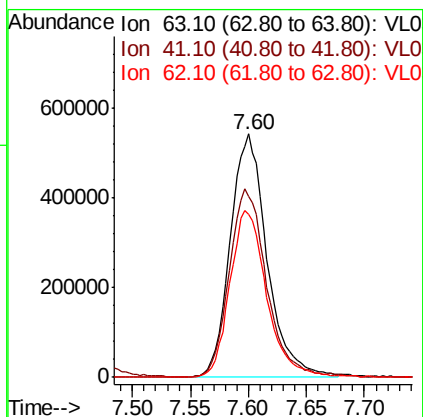
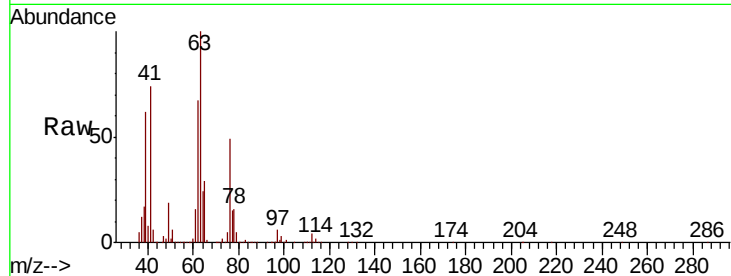




#39
 1,2-Dichloropropane
 Concen: 8.813 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

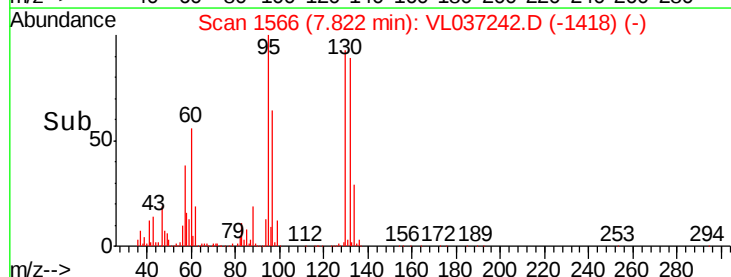
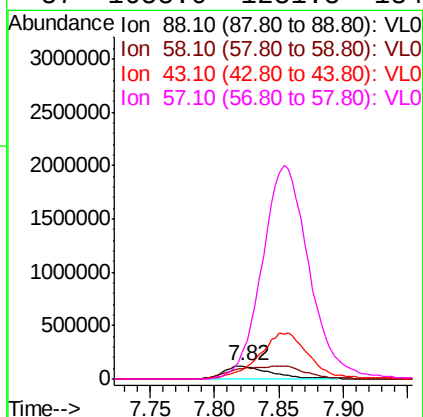
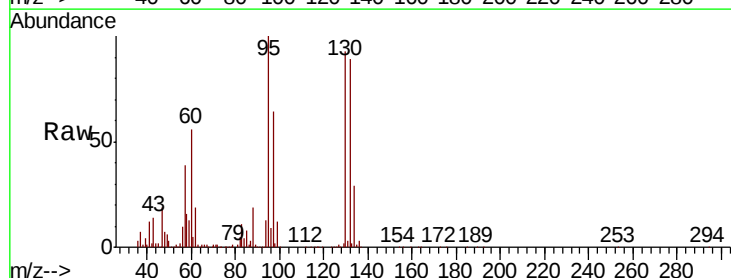
Instrument :
 MSVOA_L
 ClientSampleId :

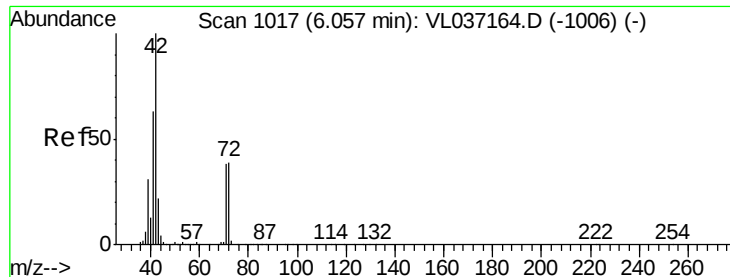
Tot Ion: 63 Resp: 1191674
 Ion Ratio Lower Upper
 63 100
 41 73.8 62.0 93.0
 62 66.9 54.9 82.3



#40
 1,4-Dioxane
 Concen: 8.333 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion: 88 Resp: 308959
 Ion Ratio Lower Upper
 88 100
 58 152.8 118.4 177.6
 43 377.7 284.0 426.0
 57 1658.0 1231.8 1847.6

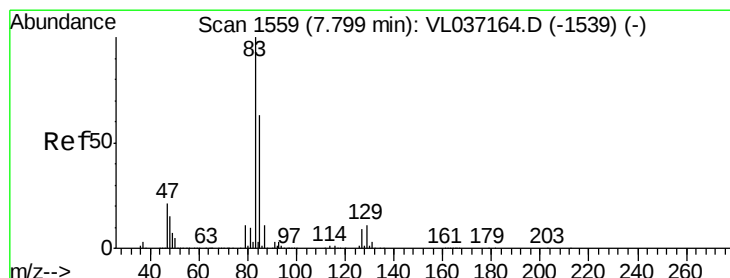
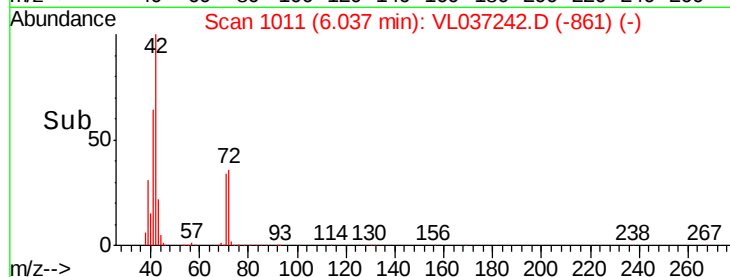
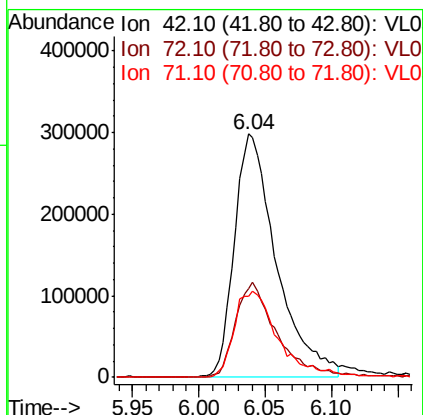
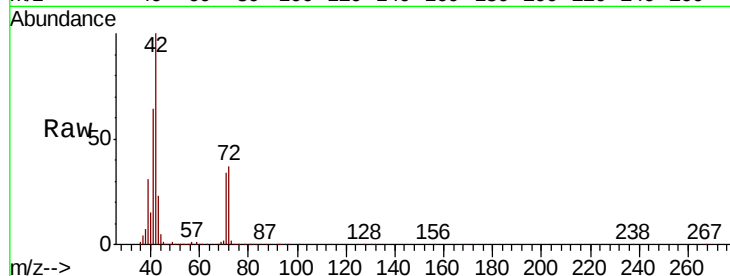




#41
Tetrahydrofuran
Concen: 8.090 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

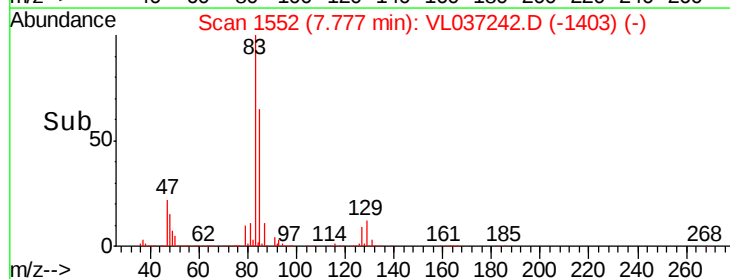
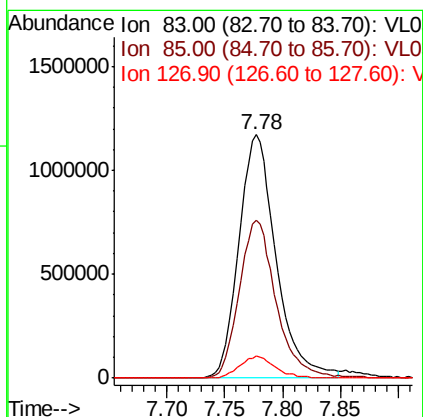
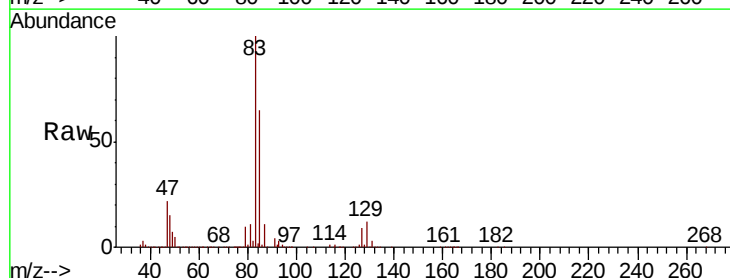
Instrument :
MSVOA_L
ClientSampleId :

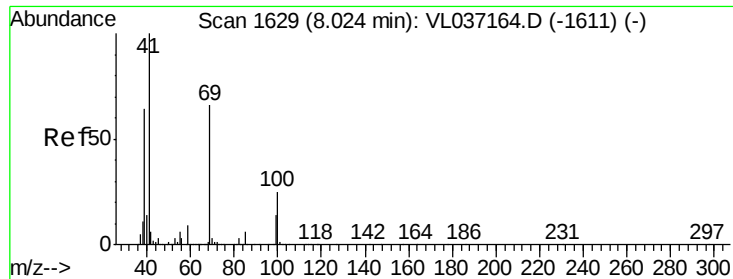
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.0	49.4
71	38.1	31.0	46.6



#42
Bromodichloromethane
Concen: 8.932 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.8	76.2
127	9.0	7.0	10.6

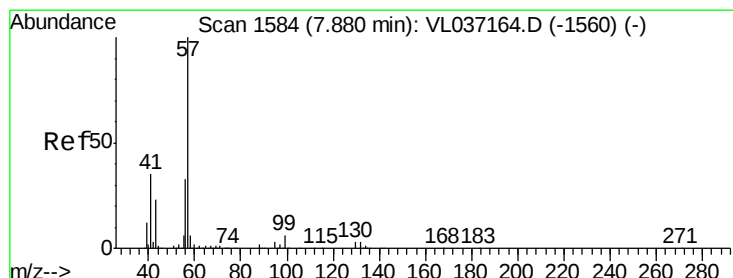
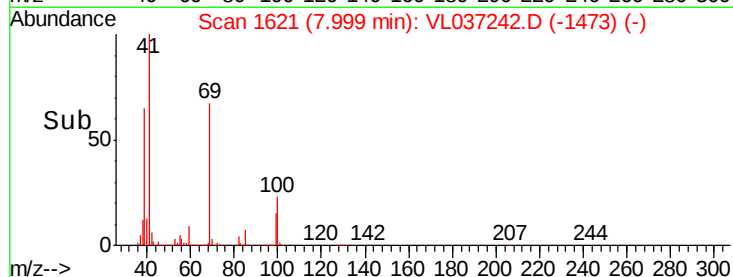
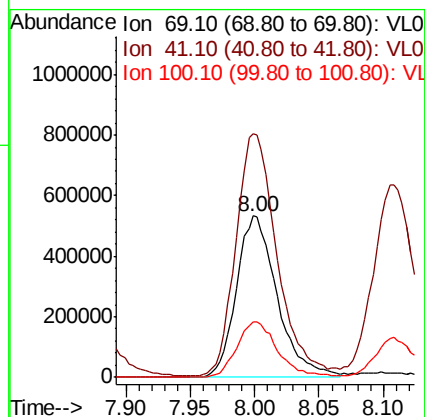
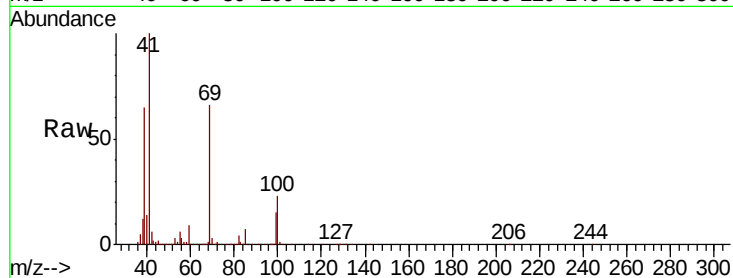




#43
Methvl Methacrilate
Concen: 9.276 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

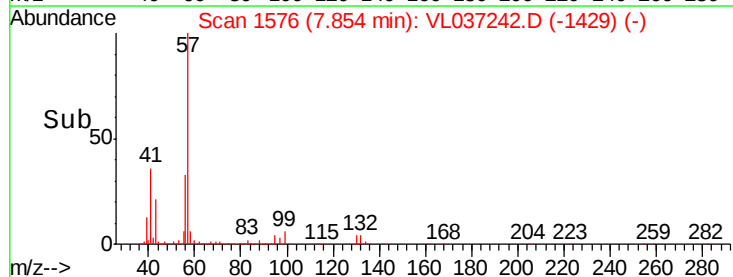
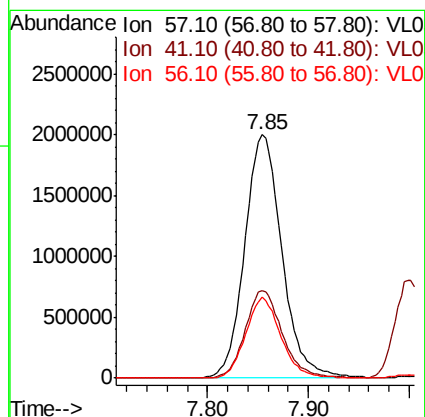
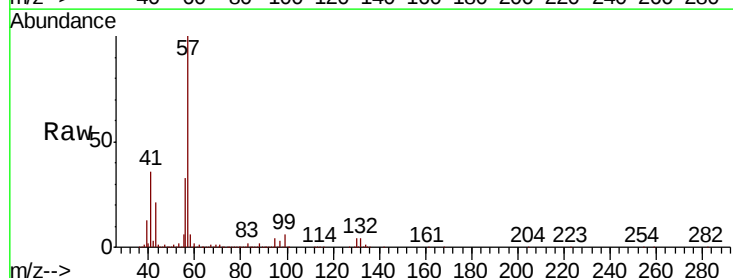
Instrument :
MSVOA_L
ClientSampleId :

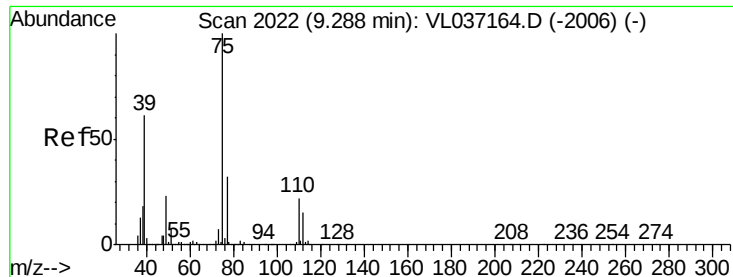
Tot Ion: 69 Resp: 1165627
Ion Ratio Lower Upper
69 100
41 152.6 119.4 179.0
100 34.5 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 8.308 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 57 Resp: 5090642
Ion Ratio Lower Upper
57 100
41 36.1 27.6 41.4
56 31.7 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 7.148 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

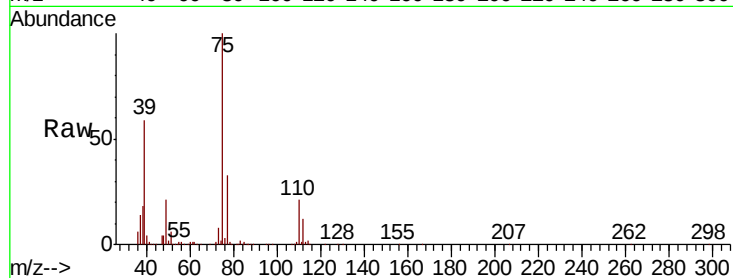
ClientSampleId :

Tot Ion: 75 Resp: 792518

Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.26

400000

300000

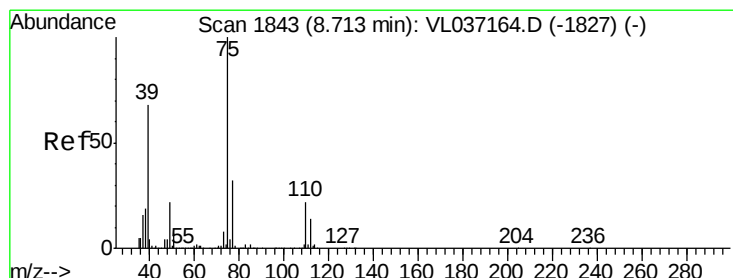
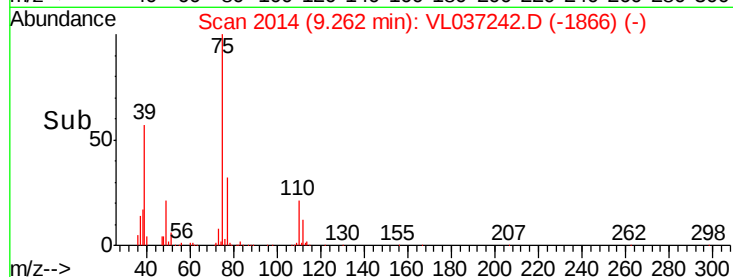
200000

100000

0

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 7.231 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

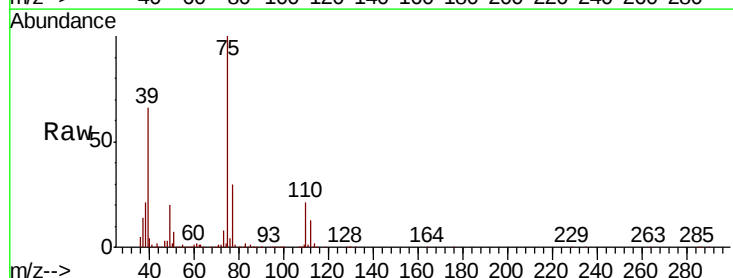
Tgt Ion: 75 Resp: 1096748

Ion Ratio Lower Upper

75 100

39 65.9 54.7 82.1

77 30.3 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

600000

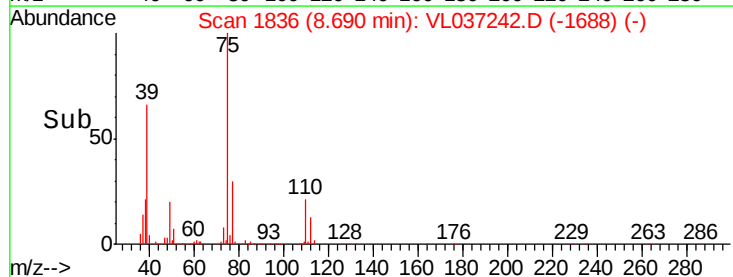
400000

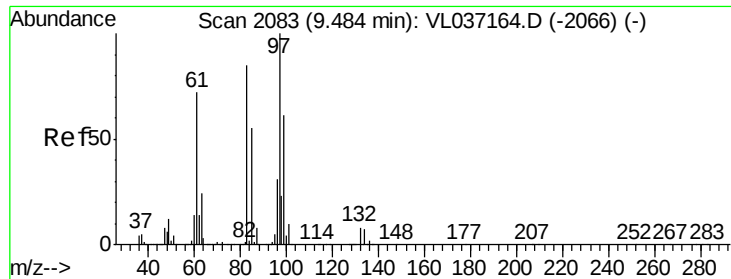
200000

0

8.60 8.65 8.70 8.75 8.80

Time-->



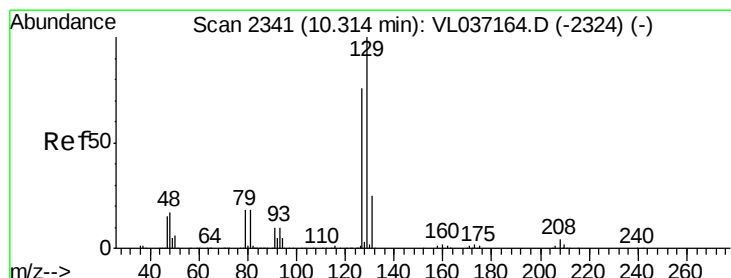
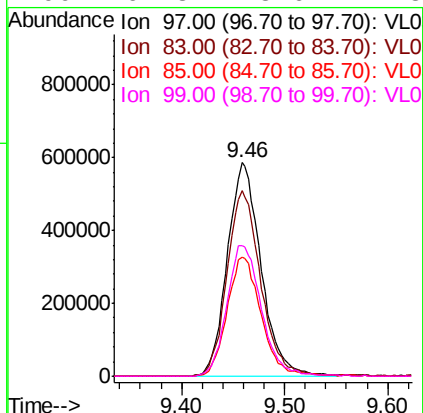
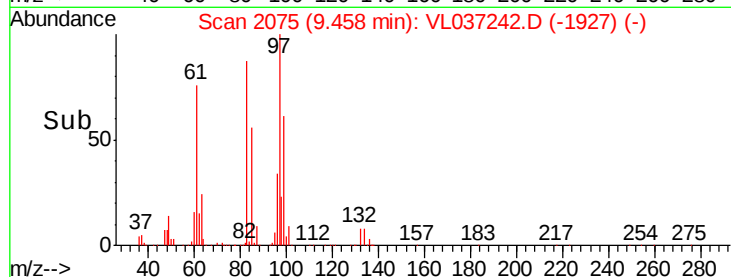
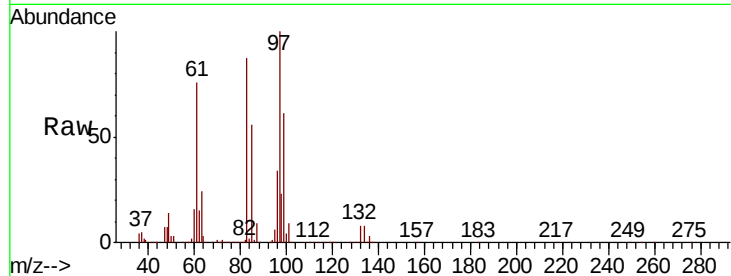


#47
 1,1,2-Trichloroethane
 Concen: 8.665 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 1336706

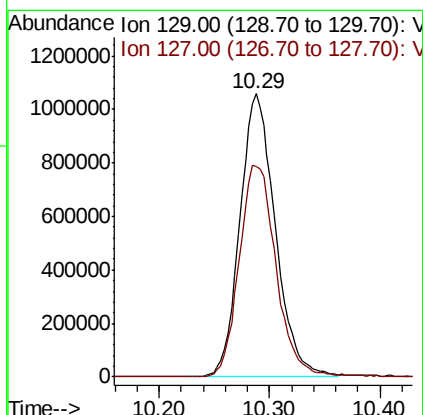
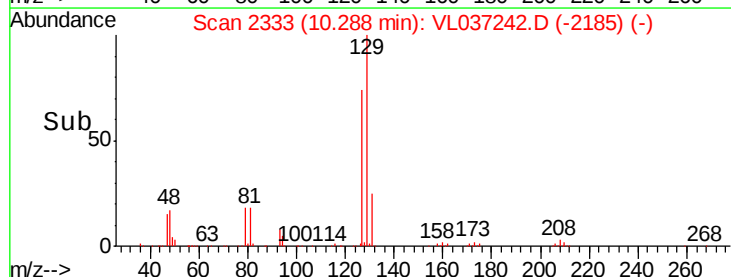
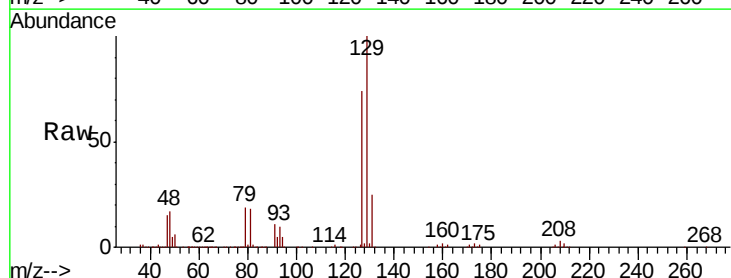
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.3	102.5
85	55.5	44.1	66.1
99	61.3	48.6	72.8

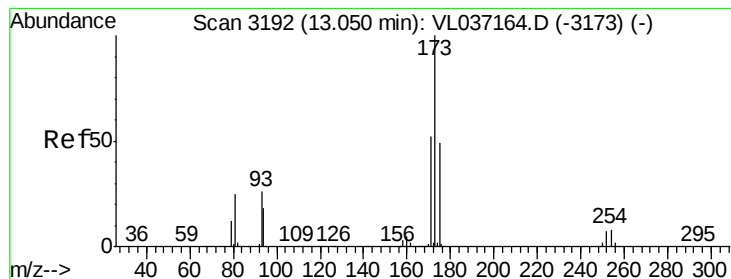


#48
 Dibromochloromethane
 Concen: 9.658 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion: 129 Resp: 2351808

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2





#49

Bromoform

Concen: 11.002 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampled :

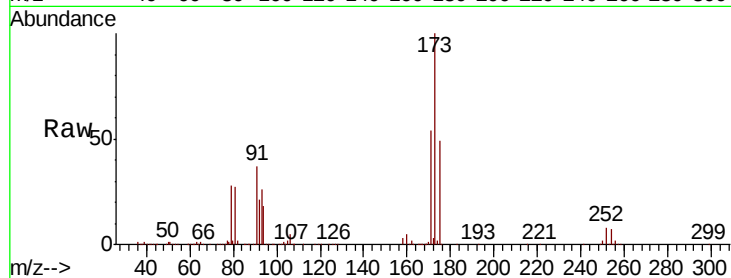
Tot Ion:173 Resp: 1995961

Ion Ratio Lower Upper

173 100

175 49.7 40.2 60.4

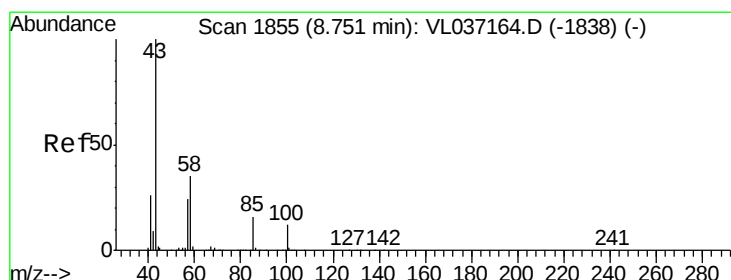
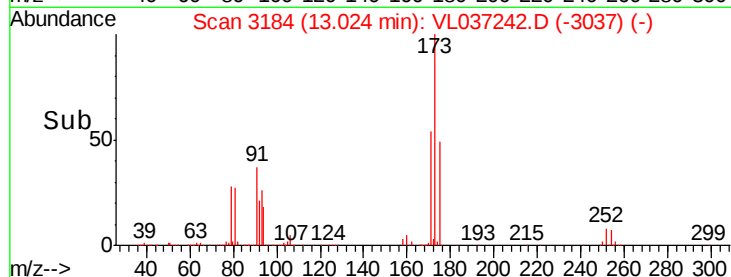
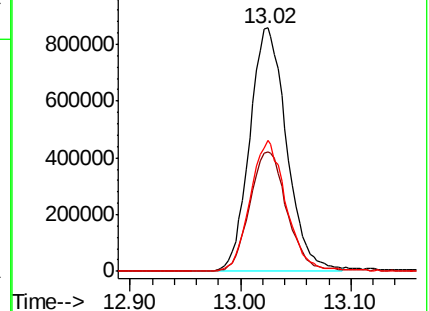
171 52.6 41.8 62.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.720 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL037242.D

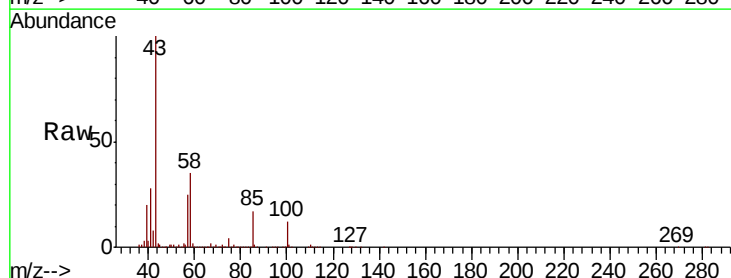
Acq: 23 Jun 2021 11:58

Tgt Ion: 43 Resp: 2096052

Ion Ratio Lower Upper

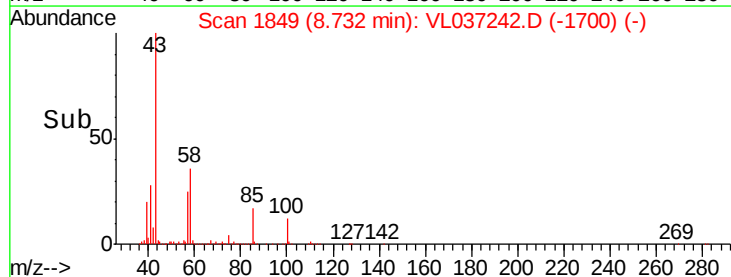
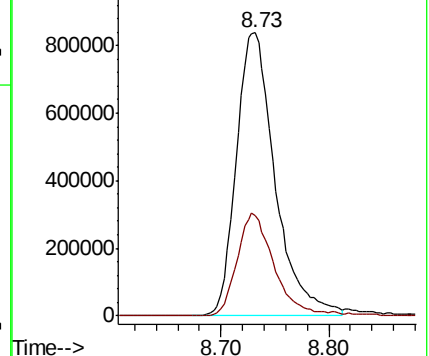
43 100

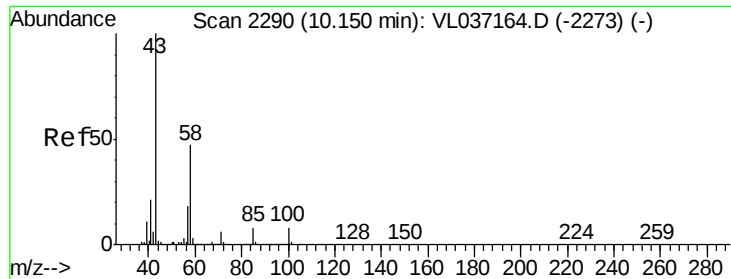
58 35.4 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

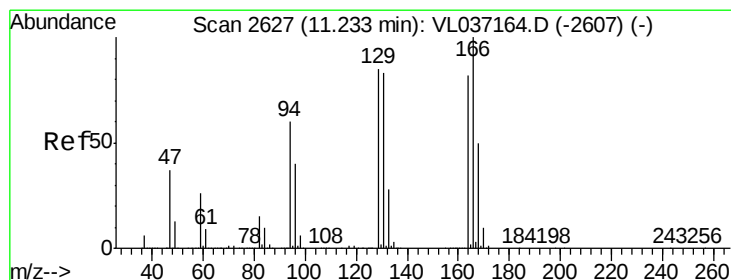
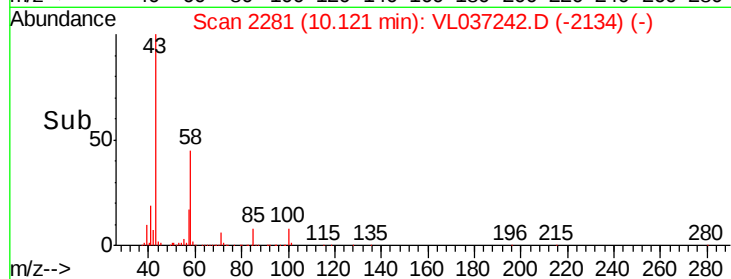
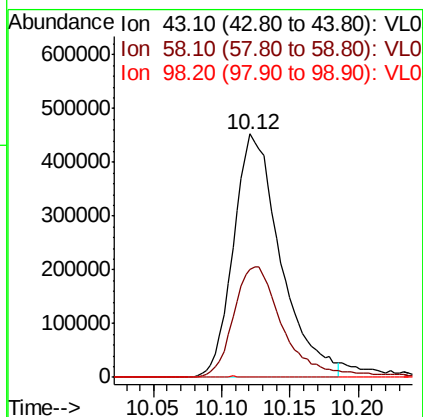
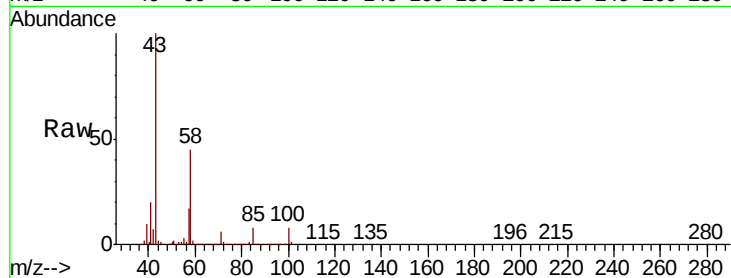




#51
2-Hexanone
Concen: 9.289 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

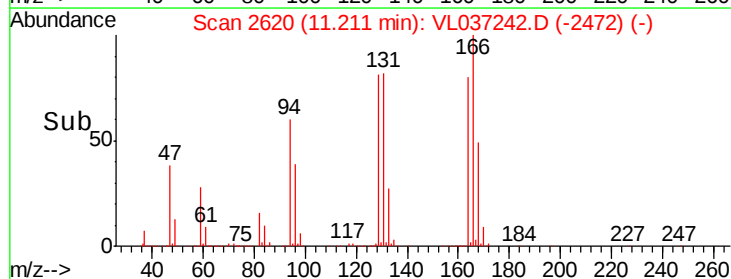
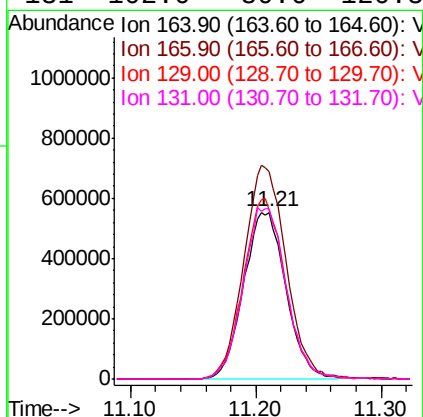
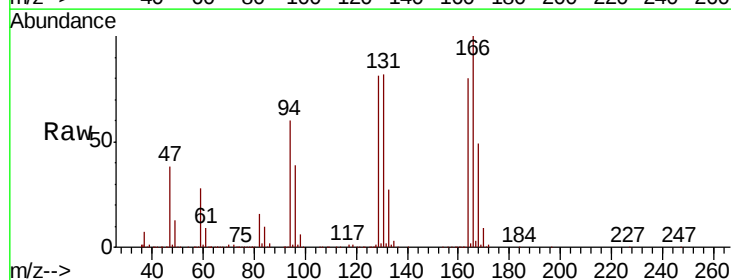
Instrument :
MSVOA_L
ClientSampled :

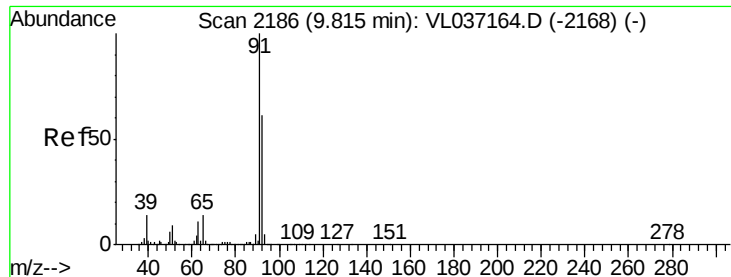
Tot Ion: 43 Resp: 1086336
Ion Ratio Lower Upper
43 100
58 49.0 38.4 57.6
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 7.654 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 164 Resp: 1294085
Ion Ratio Lower Upper
164 100
166 124.9 97.6 146.4
129 101.6 82.9 124.3
131 102.0 80.6 120.8





#53

Toluene

Concen: 8.502 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

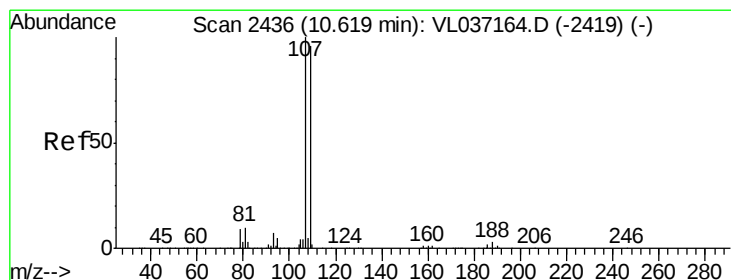
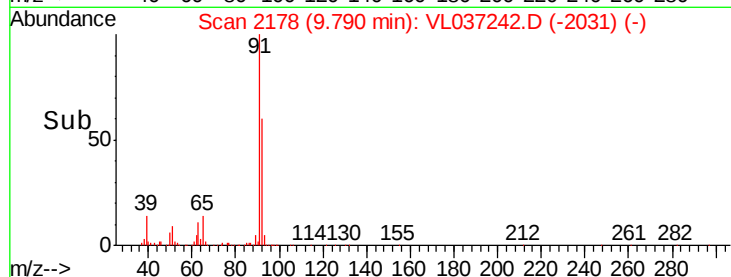
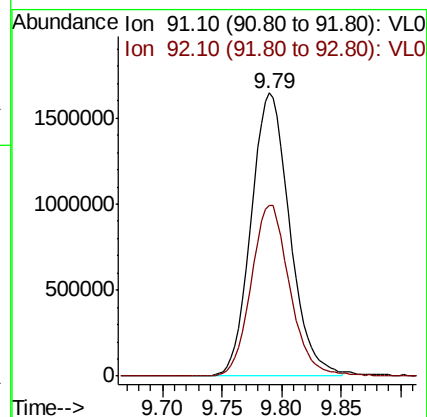
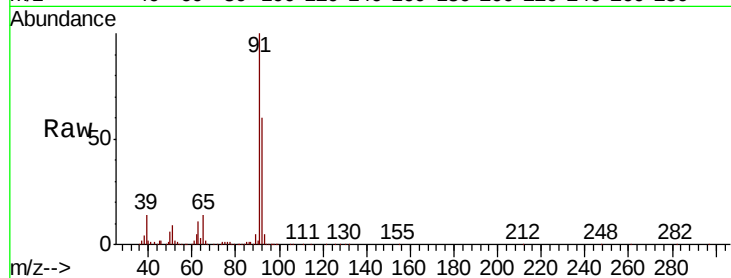
ClientSampleId :

Tot Ion: 91 Resp: 3695378

Ion Ratio Lower Upper

91 100

92 60.6 48.3 72.5



#54

1,2-Dibromoethane

Concen: 8.837 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.03 min

Lab File: VL037242.D

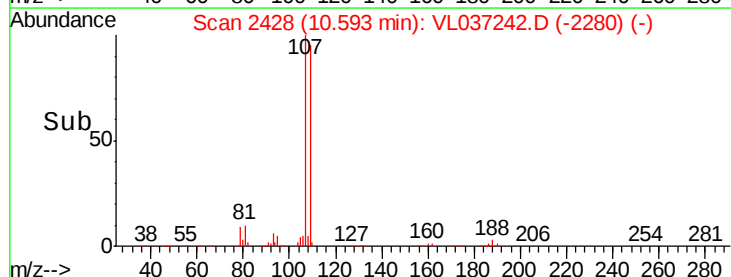
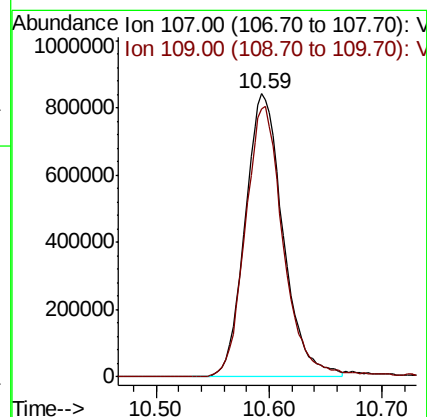
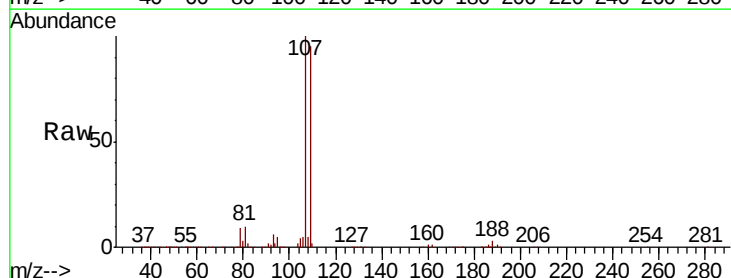
Acq: 23 Jun 2021 11:58

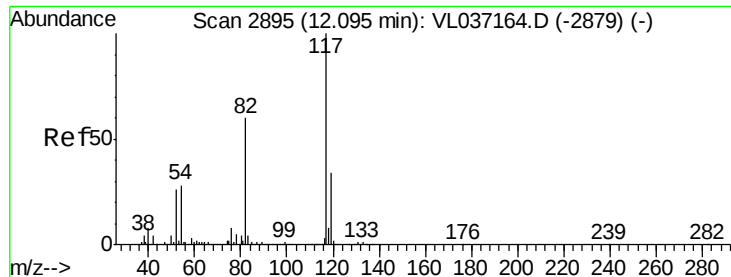
Tgt Ion: 107 Resp: 1959182

Ion Ratio Lower Upper

107 100

109 94.8 77.0 115.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

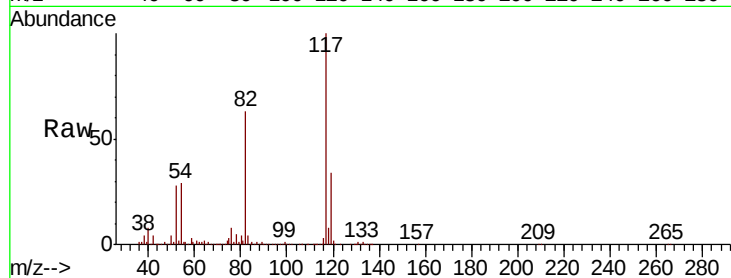
Tot Ion:117 Resp: 5128180

Ion Ratio Lower Upper

117 100

82 52.2 51.7 77.5

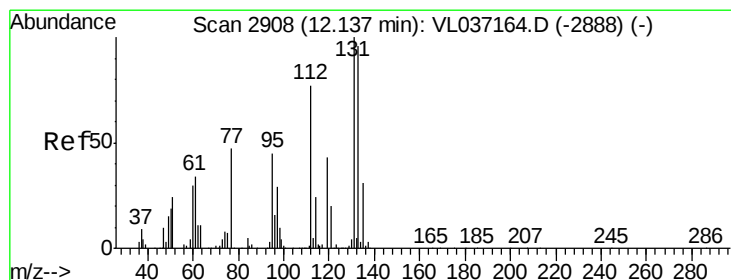
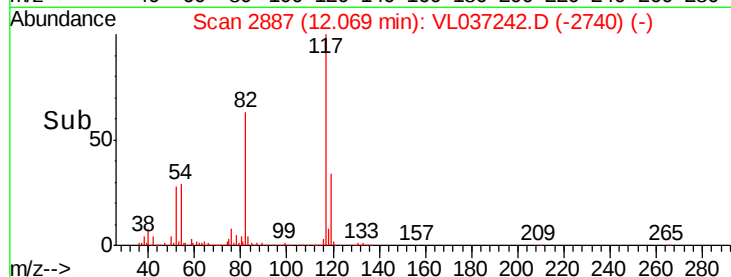
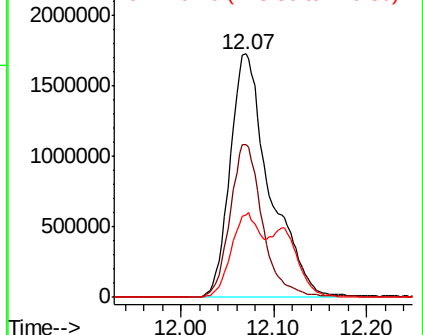
119 46.7 47.6 71.4#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.482 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

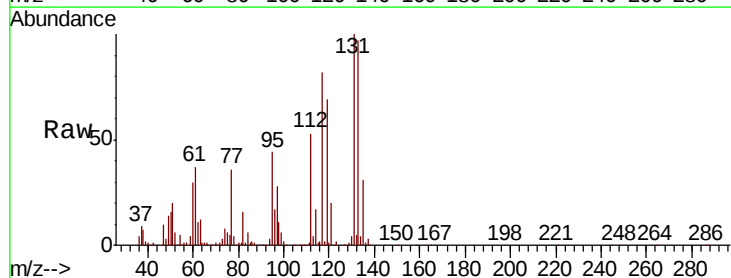
Tgt Ion:131 Resp: 1677545

Ion Ratio Lower Upper

131 100

133 96.7 76.5 114.7

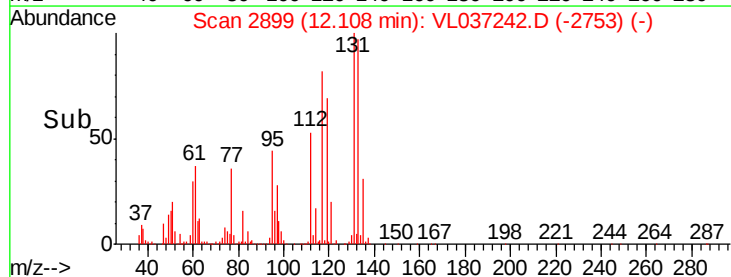
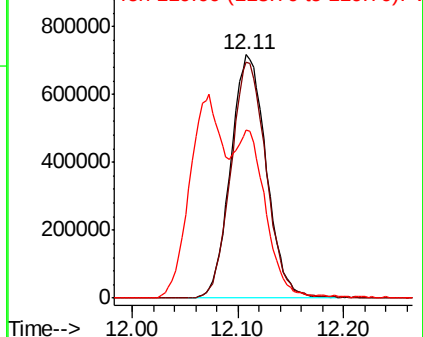
119 143.0 48.6 72.8#

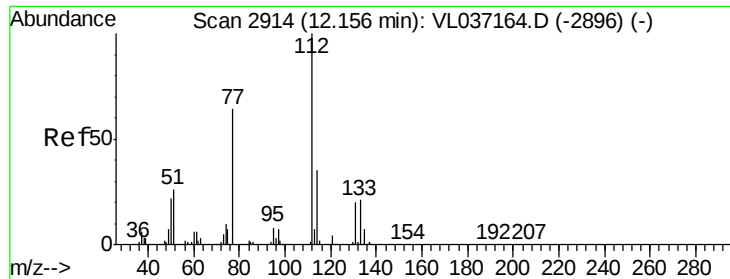


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 6.999 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

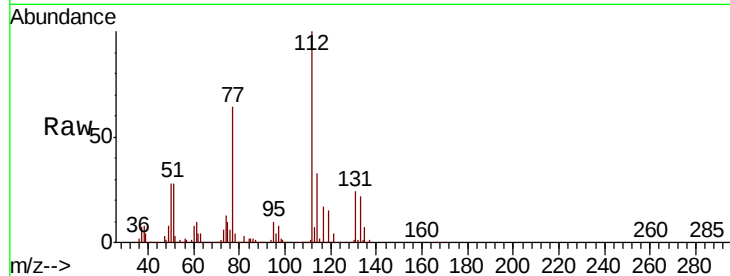
Tot Ion: 112 Resp: 2910959

Ion Ratio Lower Upper

112 100

77 62.9 52.2 78.4

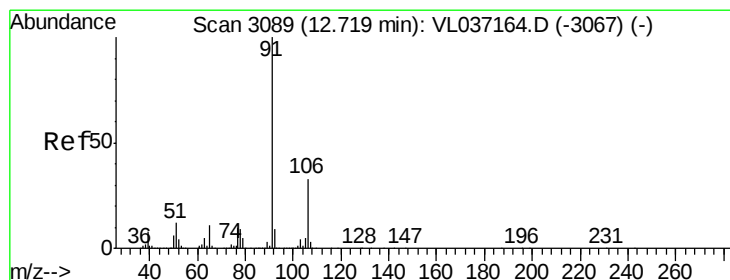
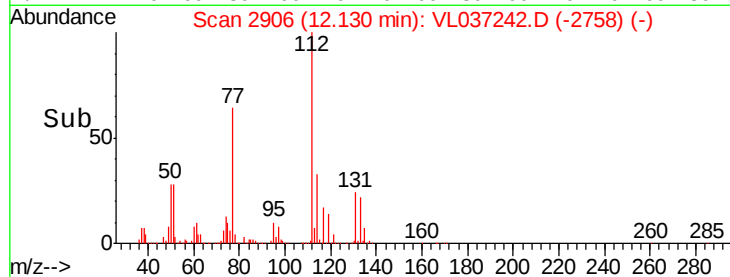
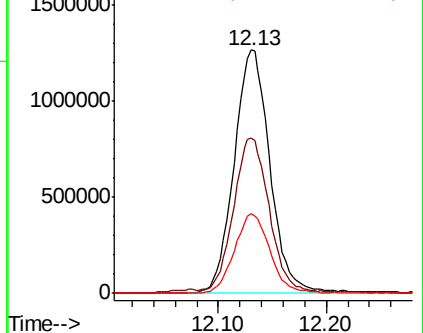
114 32.6 31.1 38.1



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: 7.164 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VL037242.D

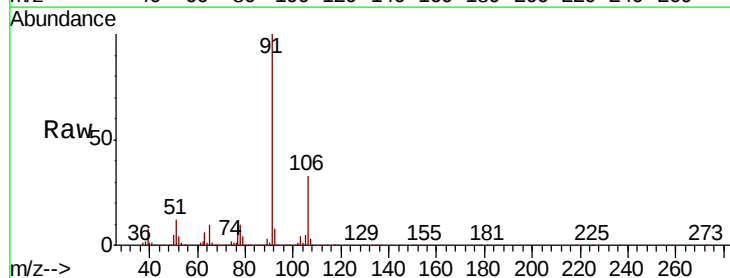
Acq: 23 Jun 2021 11:58

Tgt Ion: 91 Resp: 5057821

Ion Ratio Lower Upper

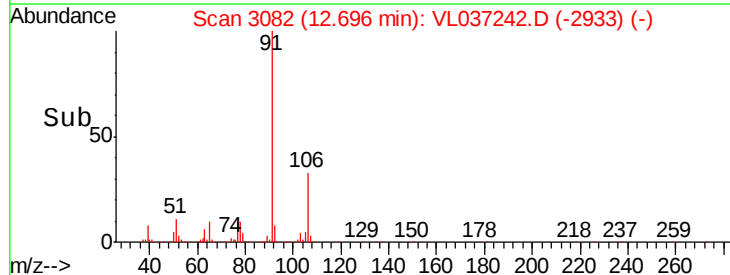
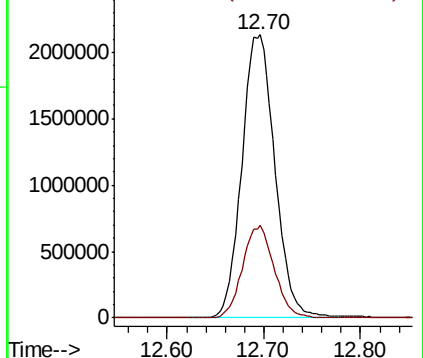
91 100

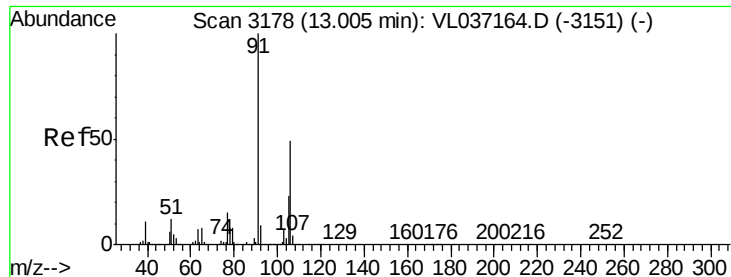
106 32.6 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.930 ppbv

RT: 12.98 min Scan# 3170

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

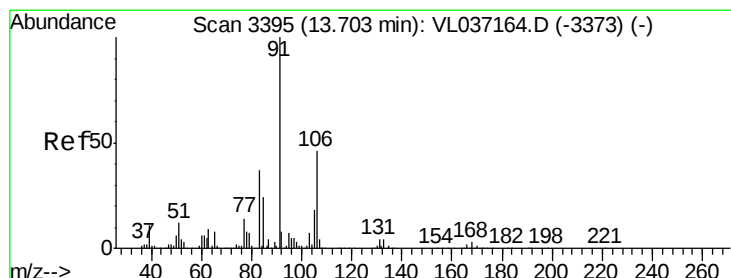
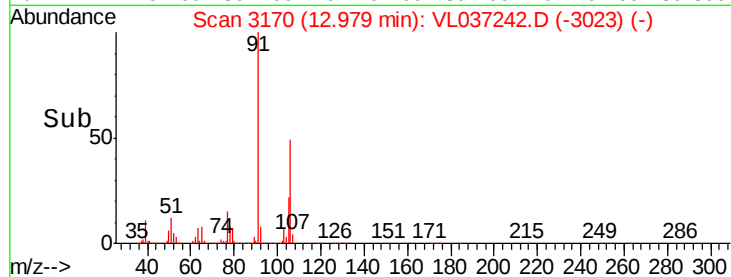
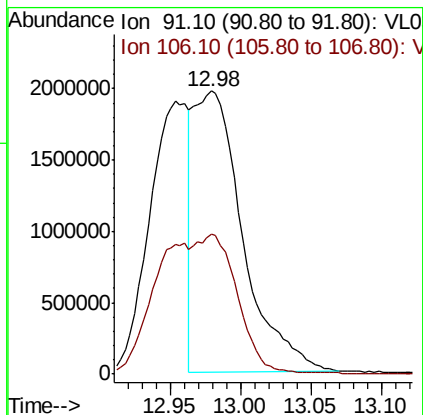
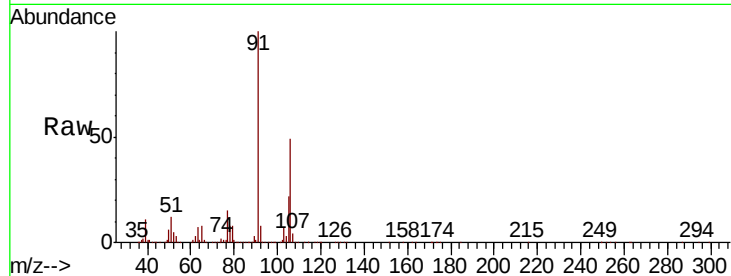
ClientSampleId :

Tot Ion: 91 Resp: 4744442

Ion Ratio Lower Upper

91 100

106 81.6 37.0 55.4#



#60

o-Xylene

Concen: 7.173 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.03 min

Lab File: VL037242.D

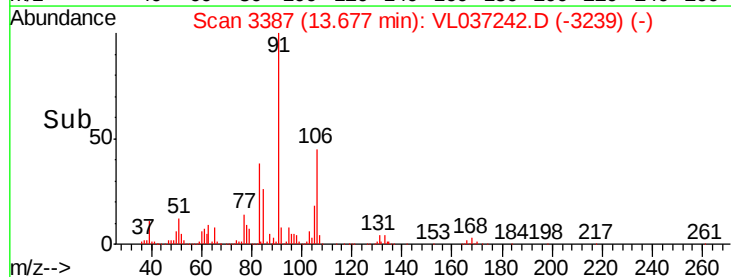
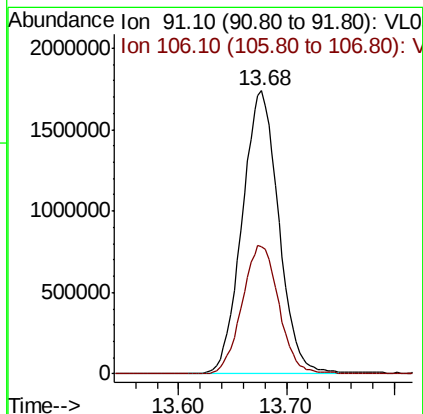
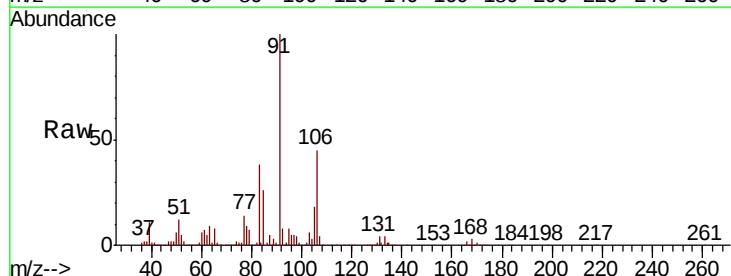
Acq: 23 Jun 2021 11:58

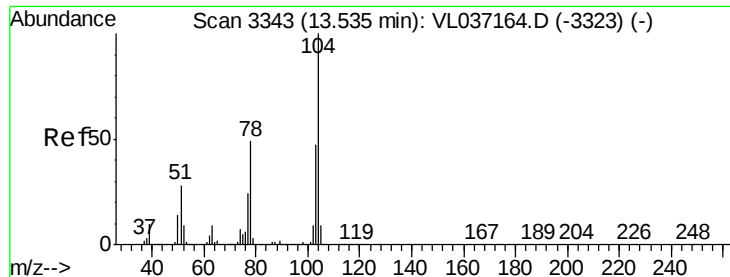
Tgt Ion: 91 Resp: 4086059

Ion Ratio Lower Upper

91 100

106 46.0 23.0 69.0





#61

Stvrene

Concen: 7.571 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

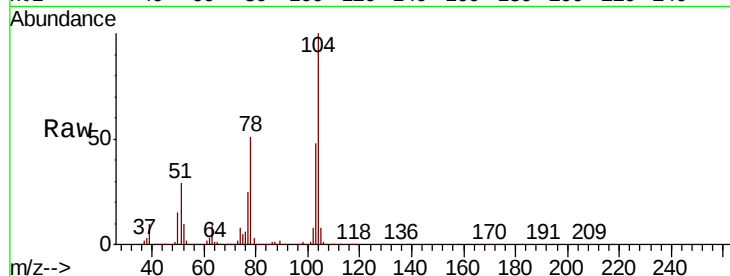
Tot Ion:104 Resp: 2225818

Ion Ratio Lower Upper

104 100

78 51.6 39.7 59.5

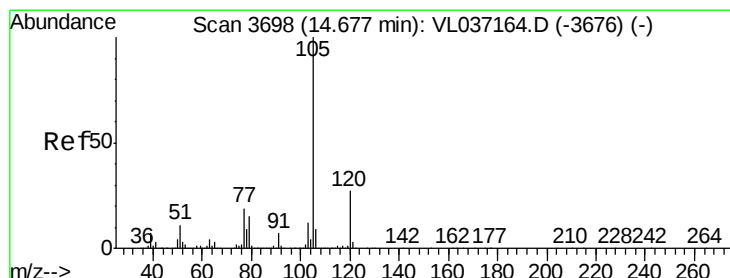
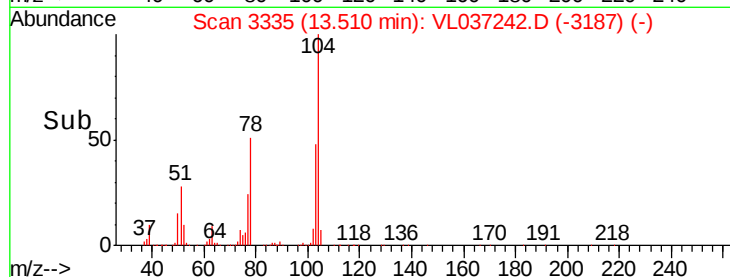
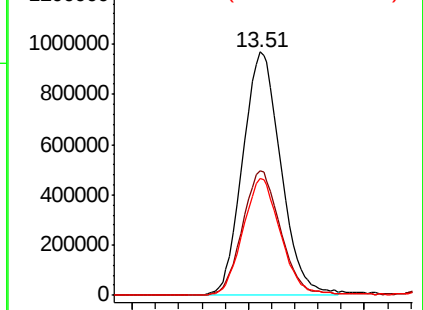
103 47.9 37.6 56.4



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: 7.250 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.03 min

Lab File: VL037242.D

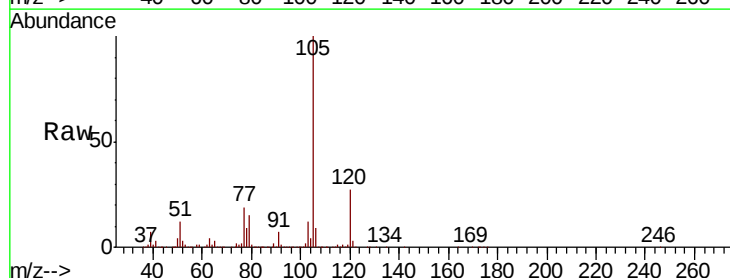
Acq: 23 Jun 2021 11:58

Tgt Ion:105 Resp: 5872626

Ion Ratio Lower Upper

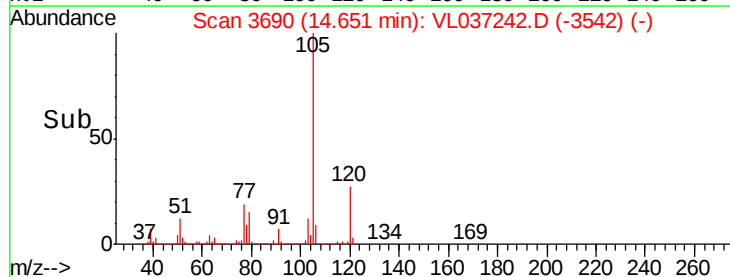
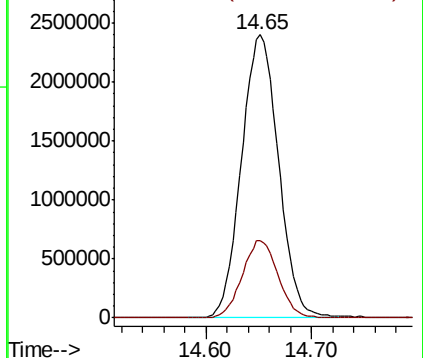
105 100

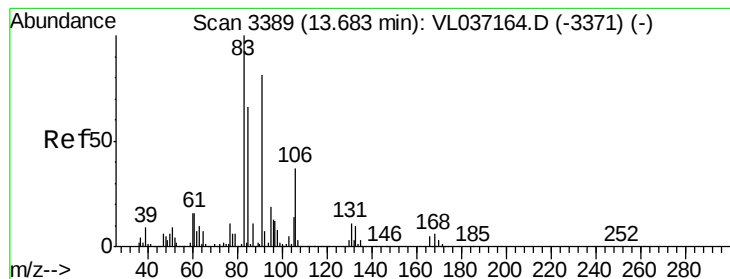
120 26.7 21.6 32.4



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: 7.525 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

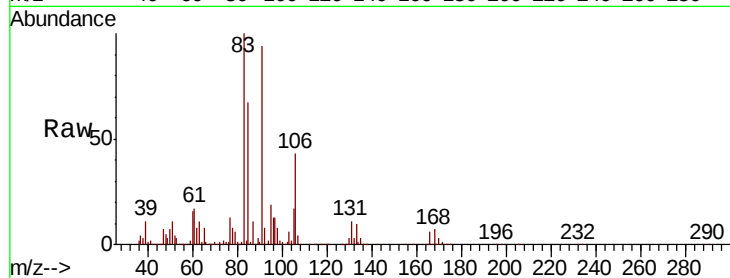
Tot Ion: 83 Resp: 2854340

Ion Ratio Lower Upper

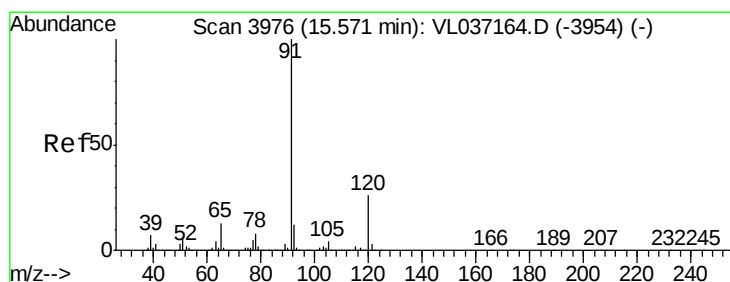
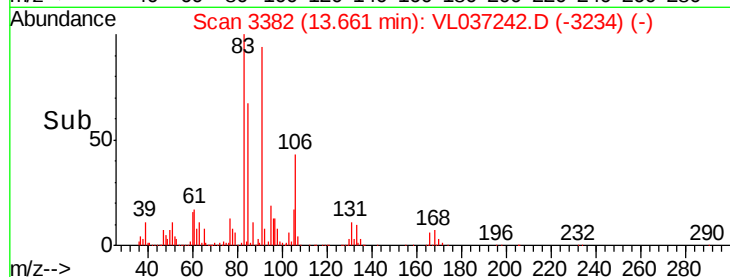
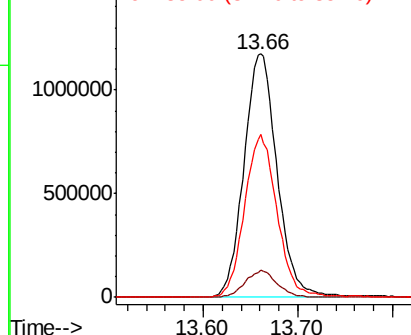
83 100

131 11.0 5.4 16.2

85 66.0 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.801 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.03 min

Lab File: VL037242.D

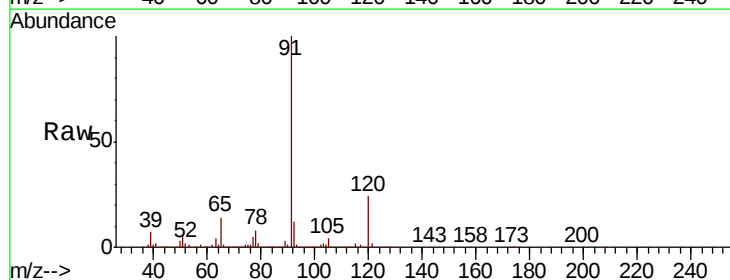
Acq: 23 Jun 2021 11:58

Tgt Ion:120 Resp: 1582572

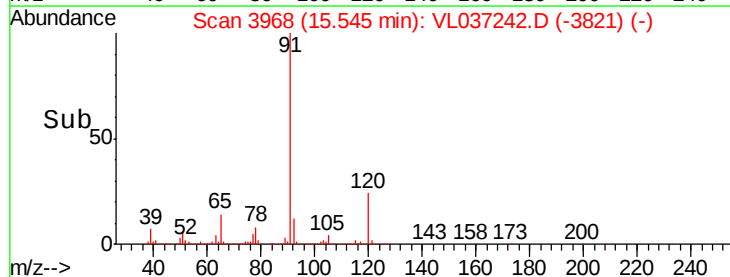
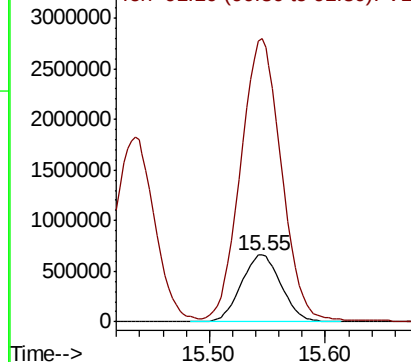
Ion Ratio Lower Upper

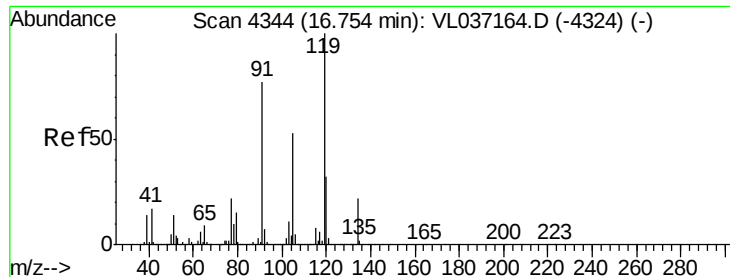
120 100

91 433.1 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.432 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

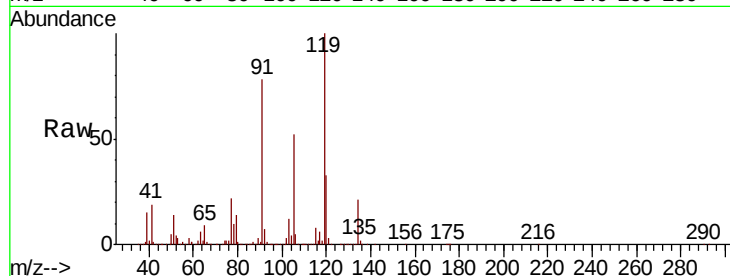
Tot Ion:119 Resp: 5339495

Ion Ratio Lower Upper

119 100

91 78.9 62.6 93.8

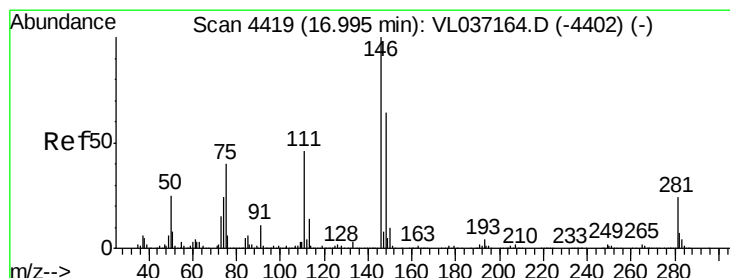
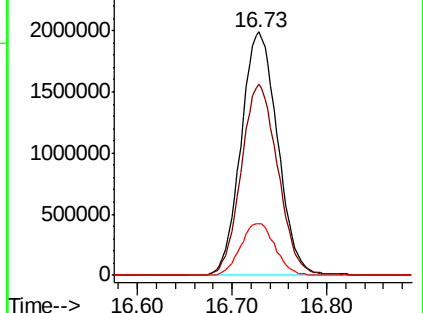
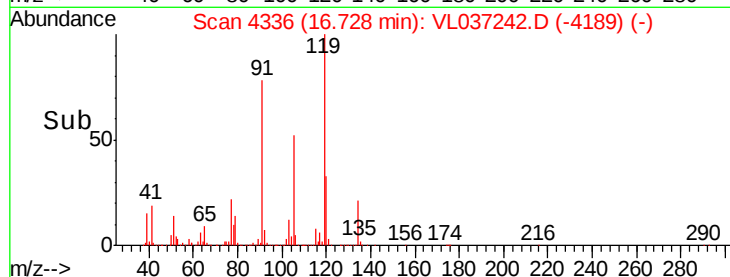
134 20.3 16.2 24.4



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: 3.141 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

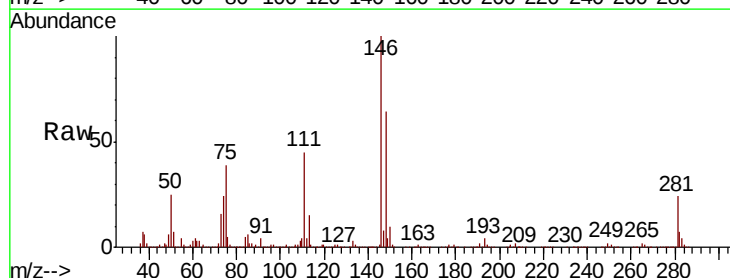
Tgt Ion: 91 Resp: 95630

Ion Ratio Lower Upper

91 100

126 27.5 15.5 23.3#

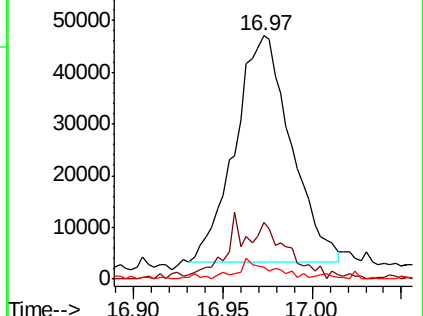
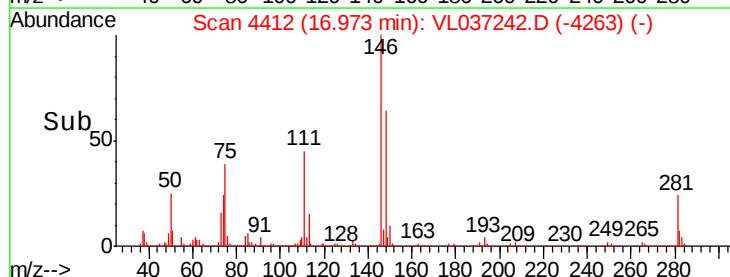
128 6.8 5.7 8.5

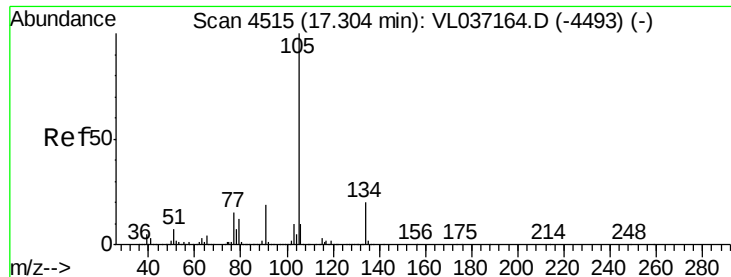


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.477 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

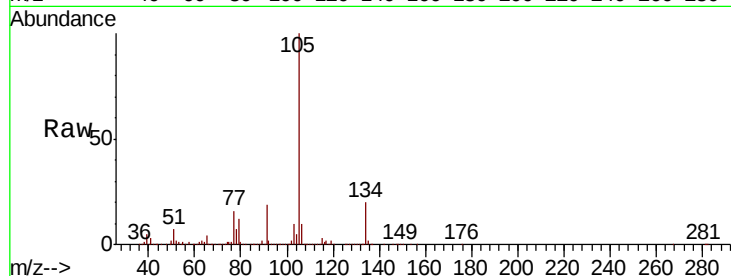
ClientSampleId :

Tot Ion:105 Resp: 7162981

Ion Ratio Lower Upper

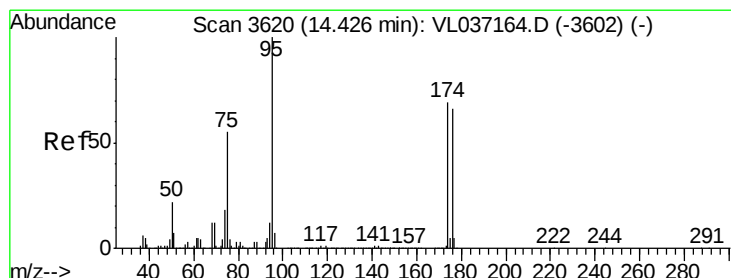
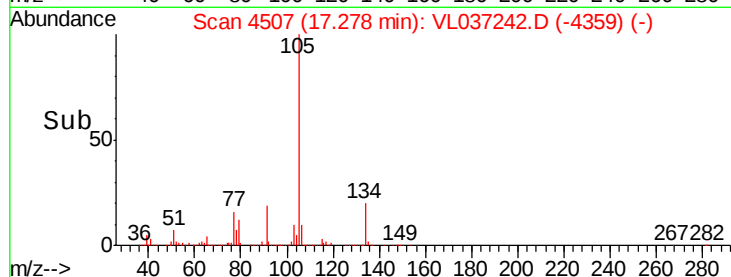
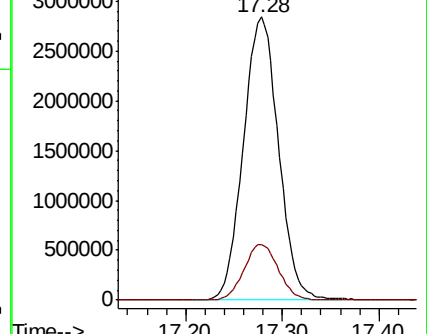
105 100

134 19.4 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.294 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

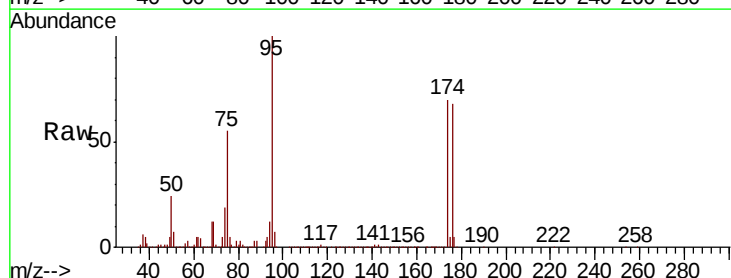
Tgt Ion: 95 Resp: 3222910

Ion Ratio Lower Upper

95 100

174 71.0 57.0 85.4

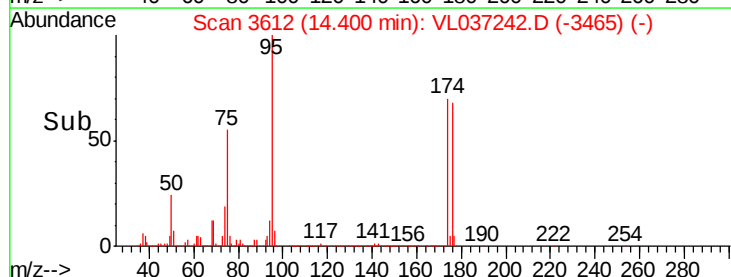
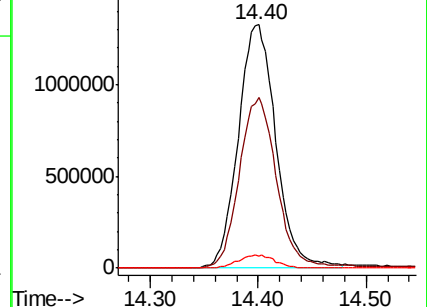
175 5.4 4.4 6.6

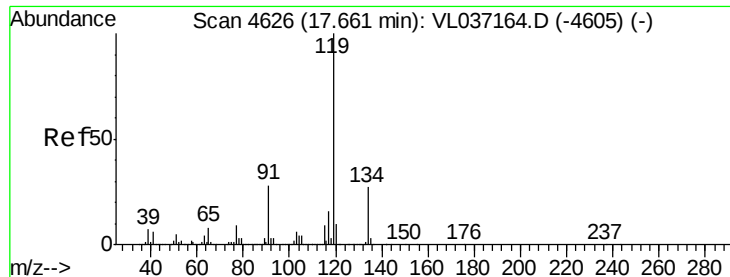


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



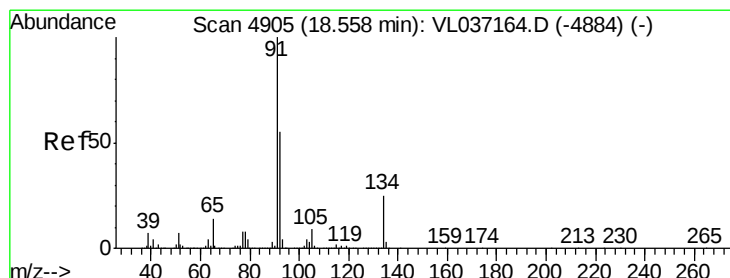
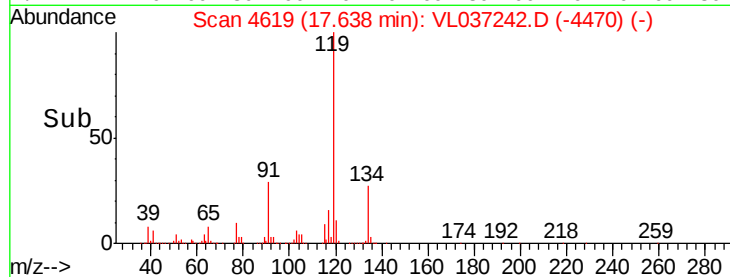
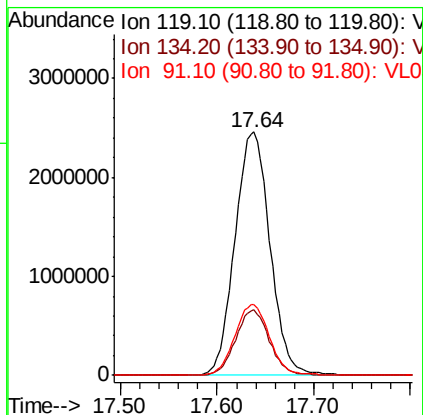
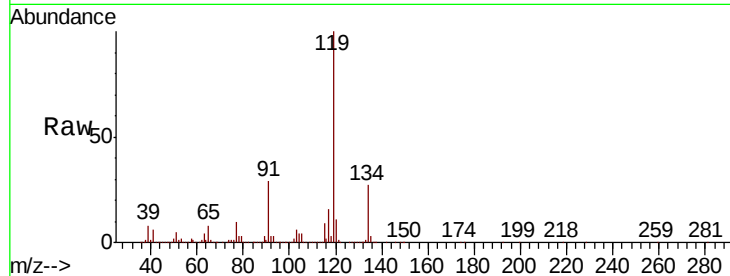


#69
 p-Isopropyltoluene
 Concen: 7.650 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 6190896

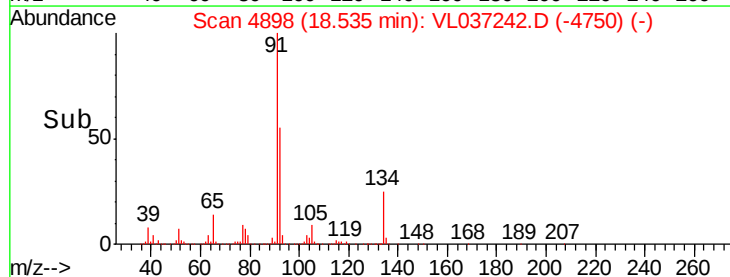
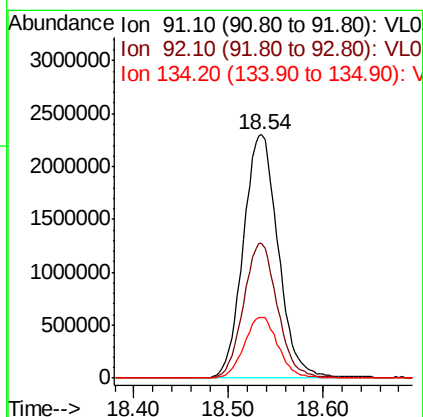
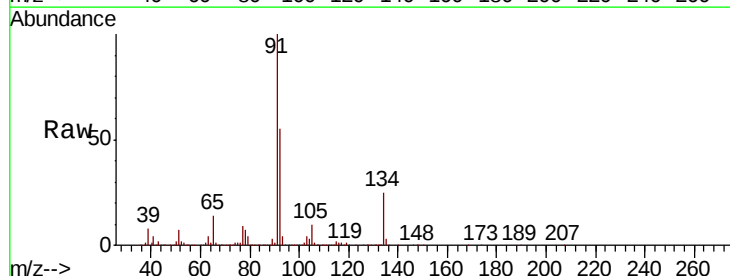
Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.9	31.3
91	28.9	22.6	34.0

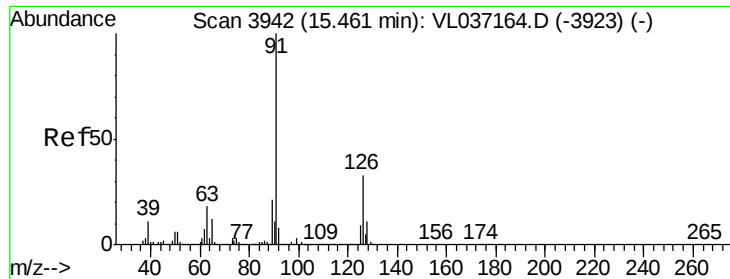


#70
 n-Butylbenzene
 Concen: 7.839 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion: 91 Resp: 5870618

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	24.7	20.2	30.4

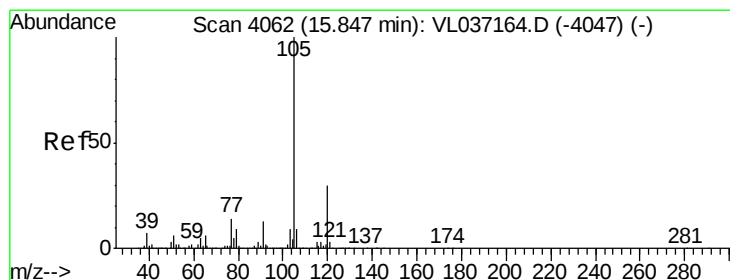
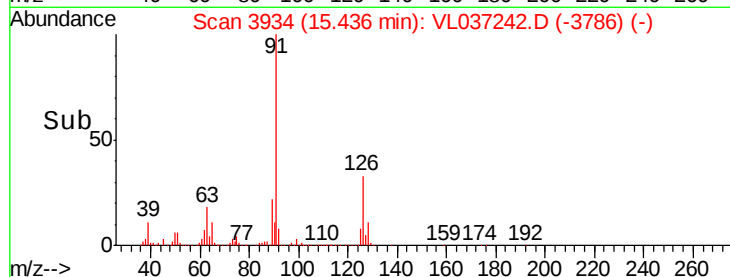
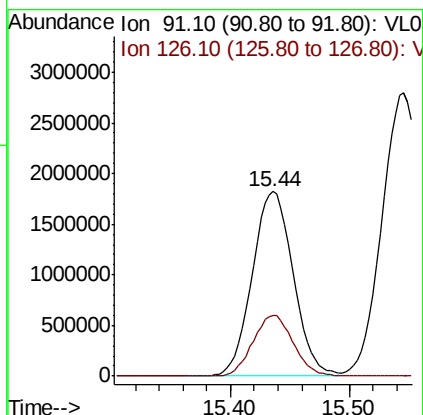
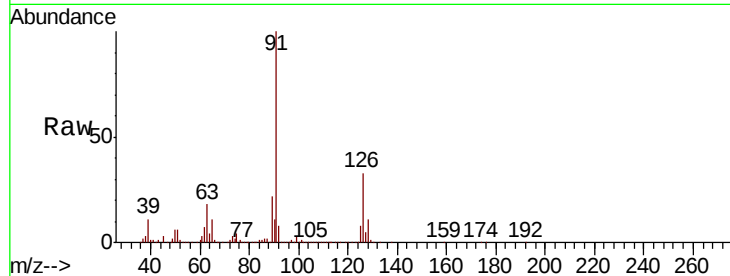




#71
2-Chlorotoluene
Concen: 7.678 ppbv
RT: 15.44 min Scan# 3934
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

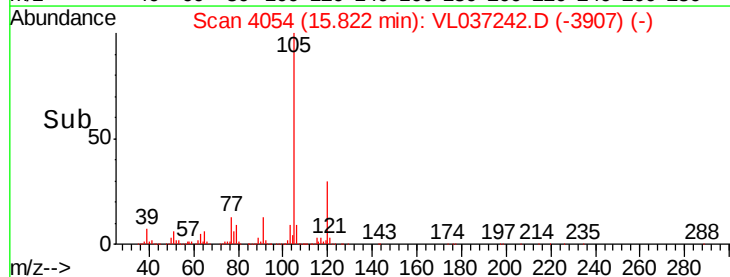
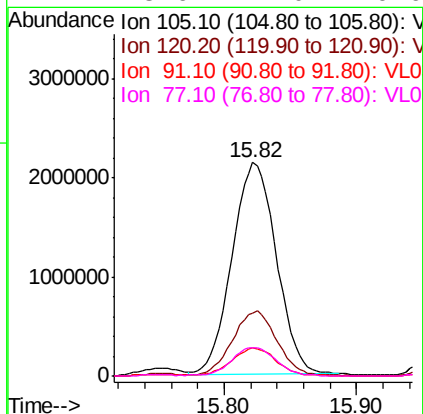
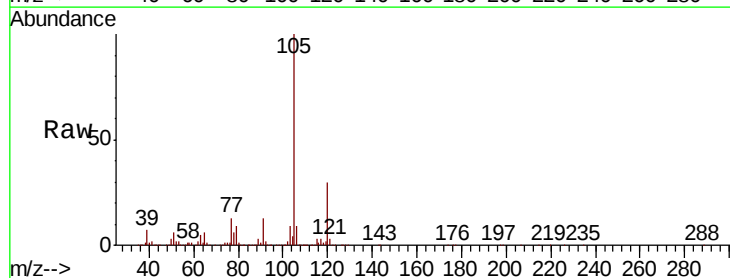
Instrument :
MSVOA_L
ClientSampleId :

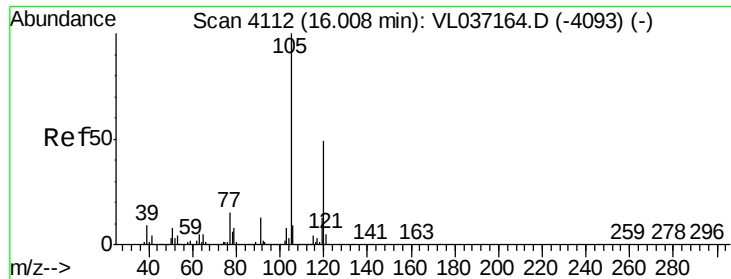
Tot Ion: 91 Resp: 4348183
Ion Ratio Lower Upper
91 100
126 33.2 13.5 54.1



#72
4-Ethyltoluene
Concen: 7.670 ppbv
RT: 15.82 min Scan# 4054
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion:105 Resp: 4963808
Ion Ratio Lower Upper
105 100
120 30.7 24.7 37.1
91 13.2 10.2 15.4
77 13.6 11.0 16.6

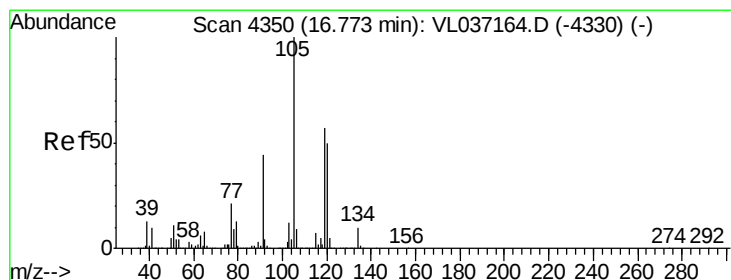
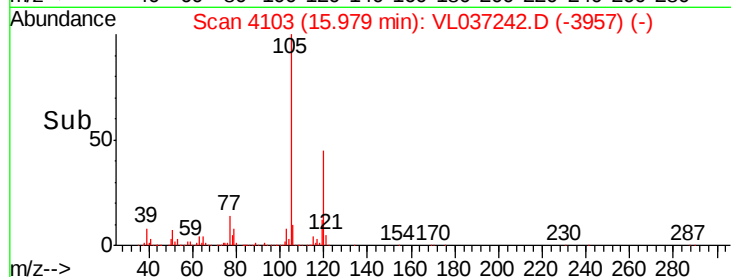
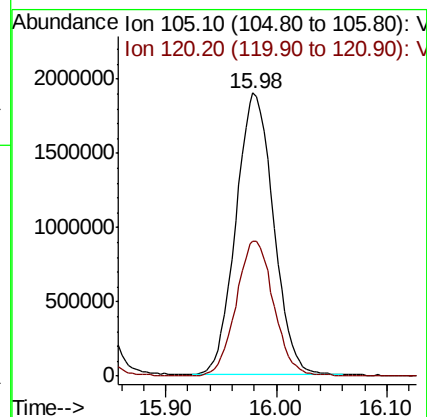
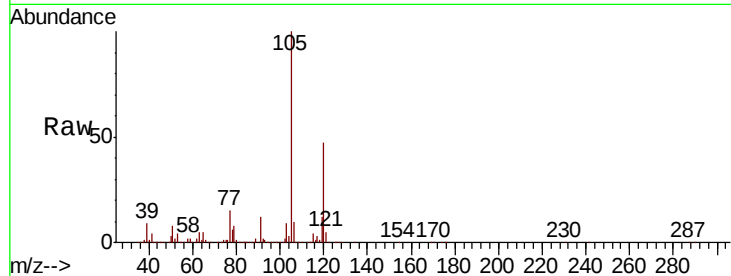




#73
 1,3,5-Trimethylbenzene
 Concen: 7.167 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

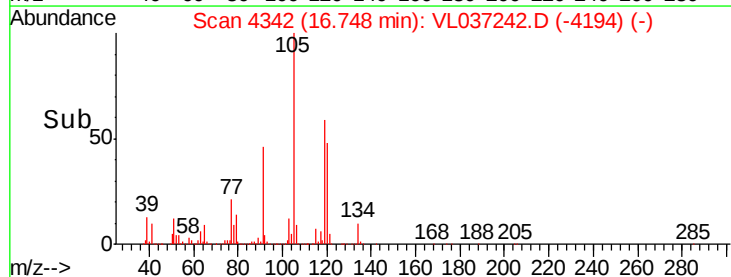
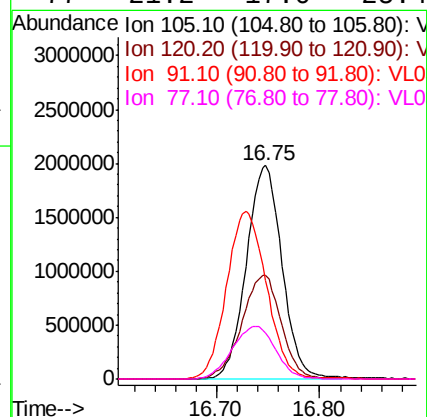
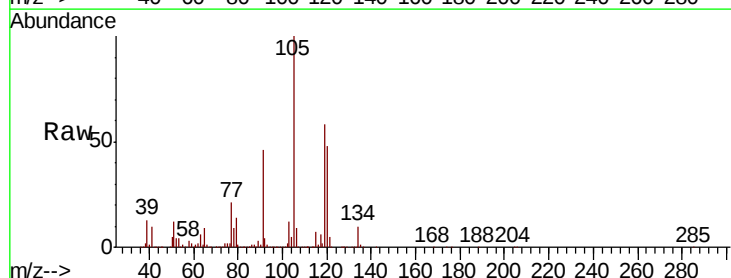
Instrument :
 MSVOA_L
 ClientSampled :

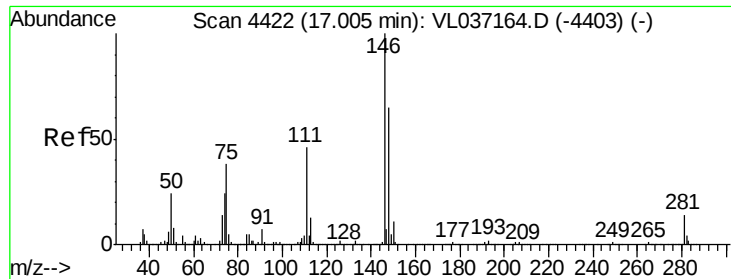
Tot Ion:105 Resp: 4483249
 Ion Ratio Lower Upper
 105 100
 120 47.6 39.4 59.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.391 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion:105 Resp: 4763935
 Ion Ratio Lower Upper
 105 100
 120 48.3 39.8 59.8
 91 45.7 37.0 55.4
 77 21.2 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 7.614 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

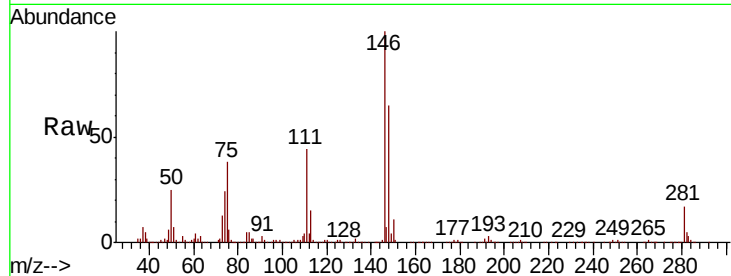
Tot Ion:146 Resp: 2983783

Ion Ratio Lower Upper

146 100

111 44.9 22.2 66.6

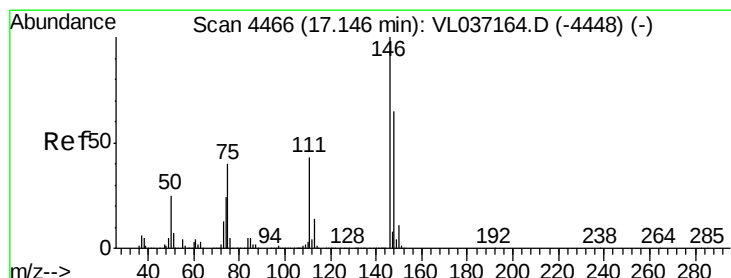
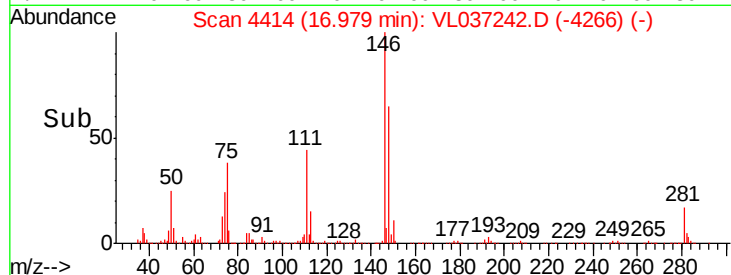
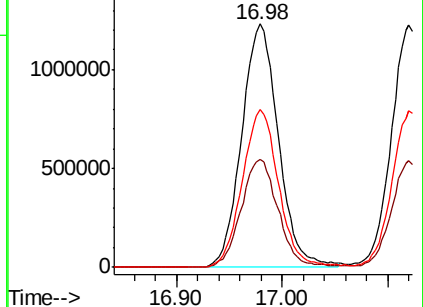
148 64.4 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.342 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

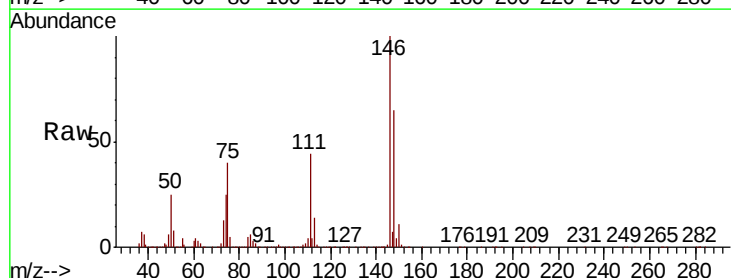
Tgt Ion:146 Resp: 2873736

Ion Ratio Lower Upper

146 100

111 45.5 22.7 68.0

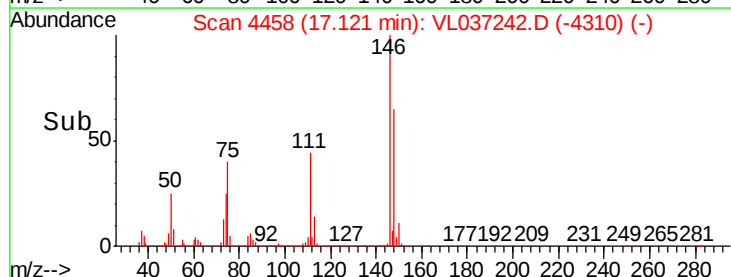
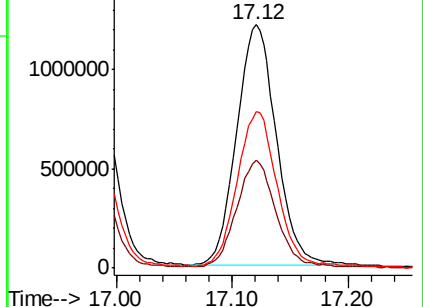
148 67.1 33.7 101.1

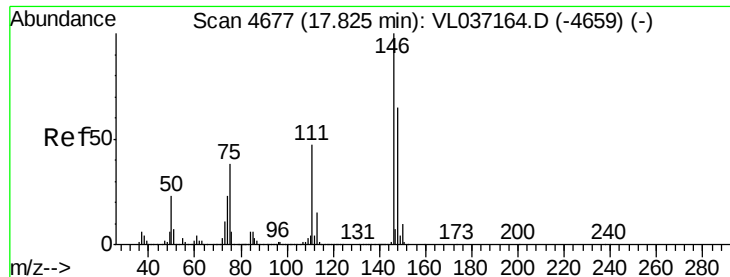


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.686 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

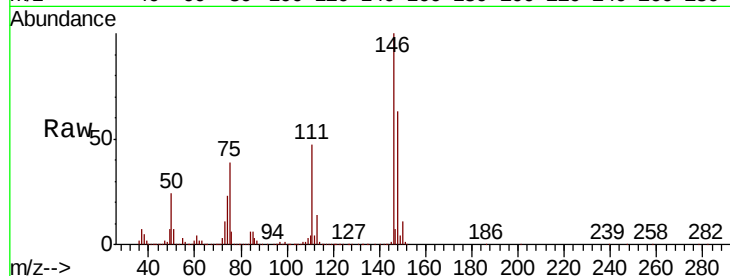
Tot Ion:146 Resp: 2913865

Ion Ratio Lower Upper

146 100

111 46.9 23.3 69.8

148 65.3 32.4 97.0

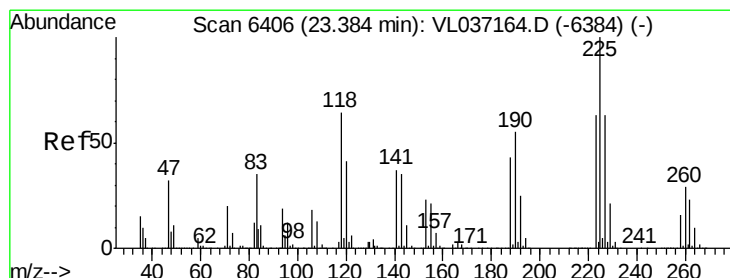
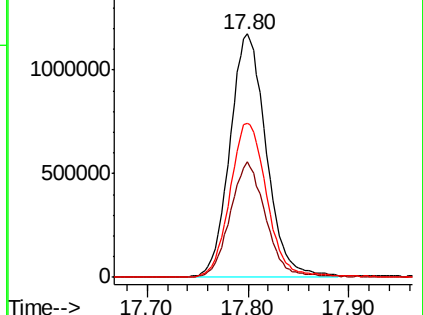
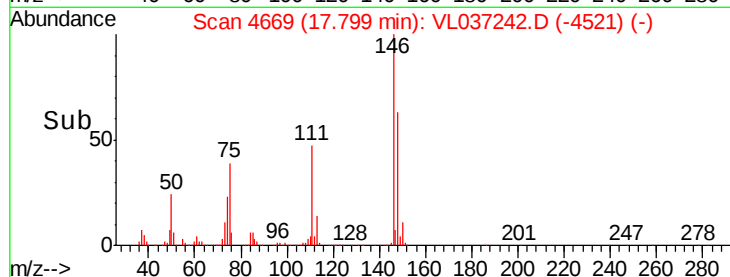


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.121 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

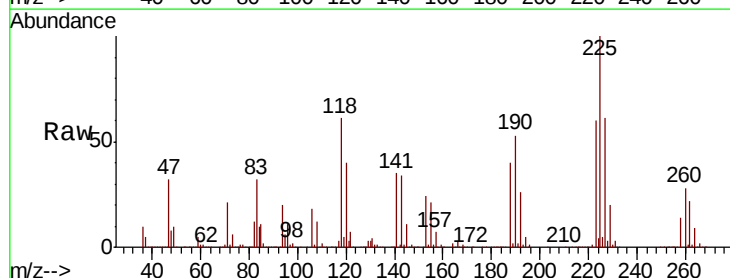
Tgt Ion:225 Resp: 1995161

Ion Ratio Lower Upper

225 100

223 64.5 51.8 77.8

227 64.5 51.4 77.0

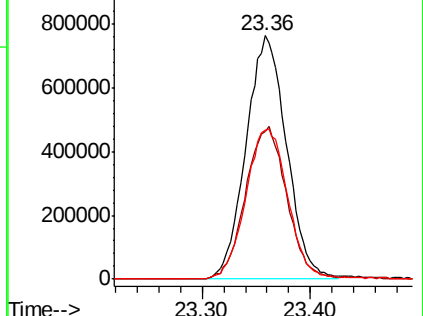
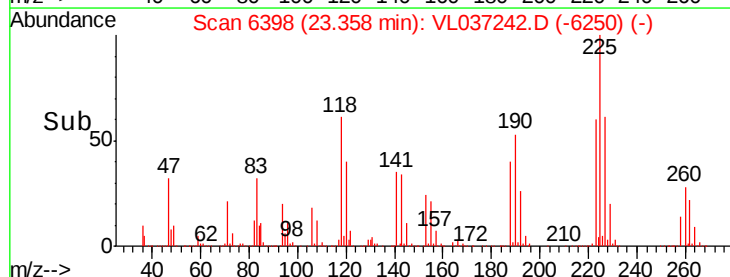


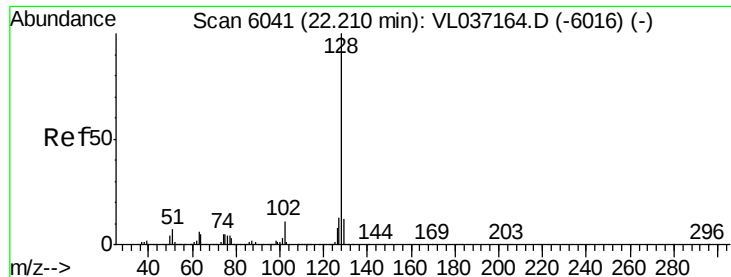
Abundance

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: 6.944 ppbv

RT: 22.17 min Scan# 6030

Delta R.T. -0.04 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

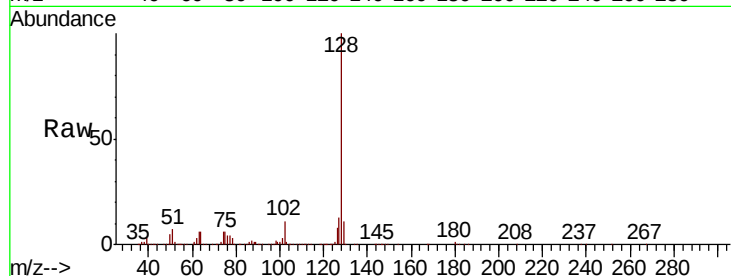
Tot Ion:128 Resp: 3731808

Ion Ratio Lower Upper

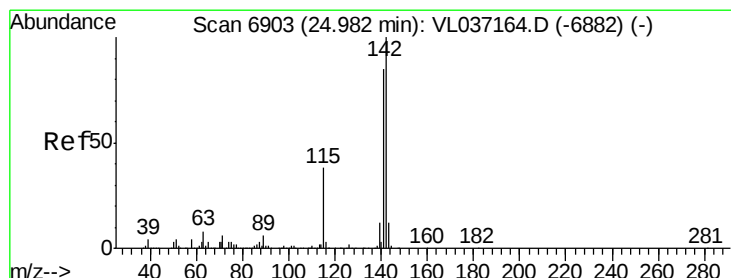
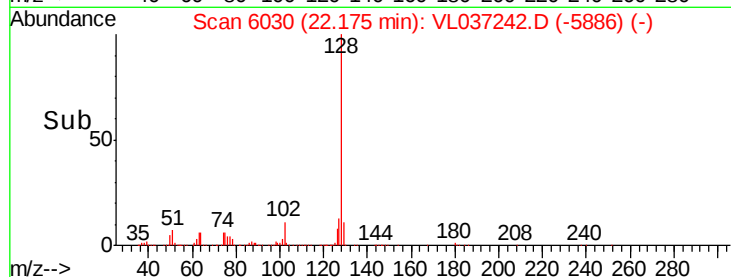
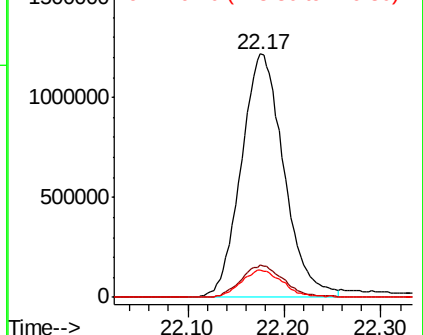
128 100

127 13.0 10.7 16.1

129 11.4 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: 6.263 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

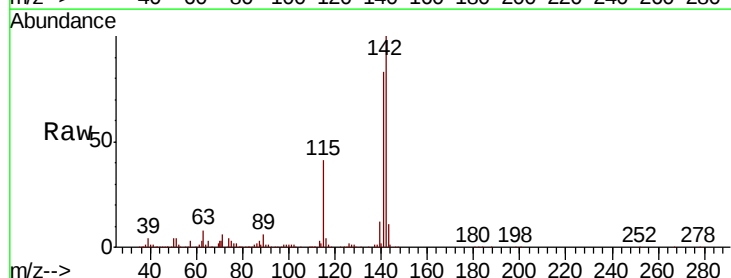
Tgt Ion:142 Resp: 882647

Ion Ratio Lower Upper

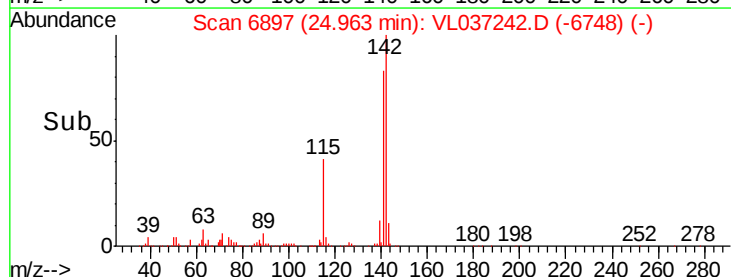
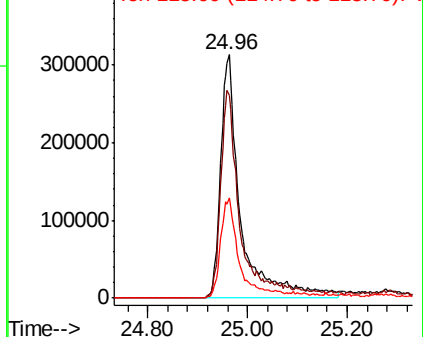
142 100

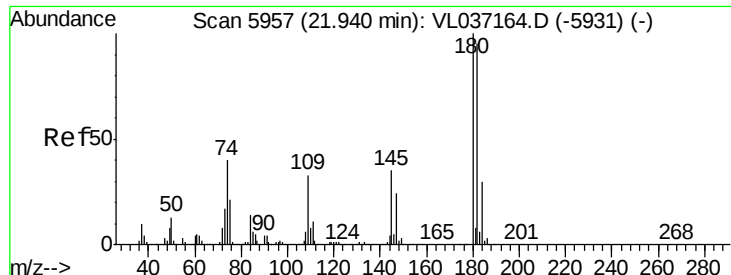
141 86.5 63.7 95.5

115 41.3 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: 7.025 ppbv

RT: 21.91 min Scan# 5947

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

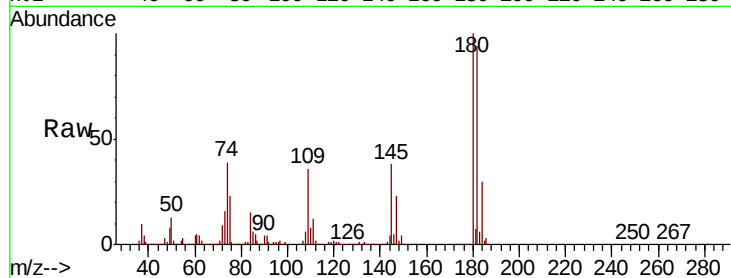
Tot Ion:180 Resp: 2178384

Ion Ratio Lower Upper

180 100

182 98.2 79.3 118.9

184 32.1 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

