

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037654.D
 Acq On : 23 Sep 2021 9:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:35:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1629712	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4809559	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	5404570	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3240764	8.30	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2052566	6.960	ppbv	99
3) Chlorodifluoromethane	2.99	51	2691227	8.755	ppbv	98
4) Chloromethane	3.14	50	1009258	8.886	ppbv	97
5) Vinyl Chloride	3.26	62	1011648	9.483	ppbv	99
6) Bromomethane	3.48	94	518092	8.356	ppbv	90
7) Chloroethane	3.56	64	349447	8.765	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2199799	8.647	ppbv	99
9) Propene	3.01	41	1019294	9.400	ppbv	94
10) Heptane	8.13	43	2421398	9.570	ppbv	99
11) Trichlorofluoromethane	3.95	101	2055569	8.682	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1522393	8.711	ppbv	100
13) Ethanol	3.61	45	49407	4.658	ppbv #	29
14) Bromoethene	3.74	108	713787	8.973	ppbv	98
15) Acetone	3.85	43	1161990	6.862	ppbv	96
16) 1,3-Butadiene	3.33	39	979679	9.259	ppbv	98
17) tert-Butyl alcohol	4.28	59	1446884	10.077	ppbv	100
18) 1,1-Dichloroethene	4.29	96	698562	8.581	ppbv	93
19) Isopropyl Alcohol	3.96	45	832386	9.035	ppbv #	96
20) Methylene Chloride	4.35	84	592807	7.333	ppbv	93
21) Allyl Chloride	4.41	41	1127355	8.912	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	718221	8.768	ppbv	98
23) Vinyl Acetate	5.07	43	2250391	9.604	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1428199	8.509	ppbv	96
25) Ethyl Acetate	5.68	43	3753480	9.153	ppbv	99
26) Hexane	5.69	57	1819416	9.339	ppbv	99
27) Carbon Disulfide	4.55	76	1723774	9.672	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1581925	9.219	ppbv	99
29) Chloroform	5.75	83	2523828	8.872	ppbv	98
30) Cyclohexane	7.13	84	1528749	9.176	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1708859	9.663	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	2439482	9.211	ppbv	99
34) 2-Butanone	5.25	43	1675793	8.574	ppbv	100
35) Carbon Tetrachloride	7.02	117	2528040	9.292	ppbv	98
36) Benzene	6.89	78	3751877	9.355	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1741364	8.828	ppbv	100
38) Trichloroethene	7.84	130	1464275	8.740	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1417469	9.228	ppbv	95
40) 1,4-Dioxane	7.83	88	192246	5.145	ppbv #	1
41) Tetrahydrofuran	6.05	42	890778	9.695	ppbv	99
42) Bromodichloromethane	7.79	83	2711263	9.590	ppbv	98
43) Methyl Methacrylate	8.02	69	1352640	10.138	ppbv	99

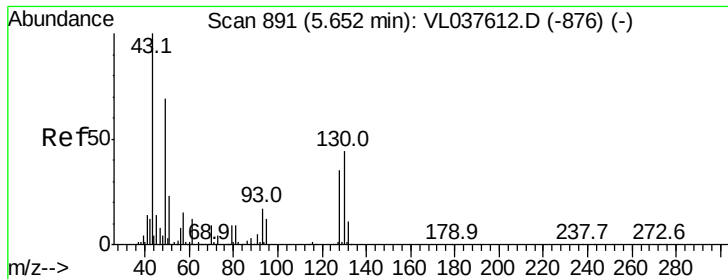
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6197114	9.191	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1011141	9.648	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1351691	9.548	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1511422	8.895	ppbv	97
48) Dibromochloromethane	10.31	129	2379240	10.037	ppbv	98
49) Bromoform	13.05	173	1944738	10.250	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2391032	9.638	ppbv	99
51) 2-Hexanone	10.14	43	1122553	10.256	ppbv	98
52) Tetrachloroethene	11.23	164	1373683	8.922	ppbv	97
53) Toluene	9.81	91	4330110	9.713	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2133716	9.171	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1611261	7.187	ppbv	94
57) Chlorobenzene	12.15	112	3116105	6.935	ppbv	99
58) Ethyl Benzene	12.72	91	5544786	7.729	ppbv	100
59) m/p-Xylene	13.00	91	4984979	7.973	ppbv #	41
60) o-Xylene	13.70	91	4273698	7.182	ppbv	99
61) Styrene	13.53	104	2412030	8.220	ppbv	98
62) Isopropylbenzene	14.67	105	5978889	7.192	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3017025	6.478	ppbv	98
64) n-propylbenzene	15.56	120	1591669	7.420	ppbv	88
65) tert-Butylbenzene	16.75	119	5257831	7.015	ppbv	99
66) Benzyl Chloride	16.99	91	281815	6.880	ppbv	99
67) sec-Butylbenzene	17.29	105	7241299	7.121	ppbv	99
69) p-Isopropyltoluene	17.65	119	6064450	7.300	ppbv	100
70) n-Butylbenzene	18.55	91	5909781	7.518	ppbv	100
71) 2-Chlorotoluene	15.45	91	4360392	7.319	ppbv	99
72) 4-Ethyltoluene	15.84	105	5243799	7.677	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4616219	7.250	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4722753	7.042	ppbv #	93
75) 1,3-Dichlorobenzene	17.00	146	2929452	7.031	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2808774	6.835	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2780465	7.036	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2043629	6.144	ppbv	99
79) Naphthalene	22.19	128	3479115	8.449	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	987526	10.492	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	2077888	7.860	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :

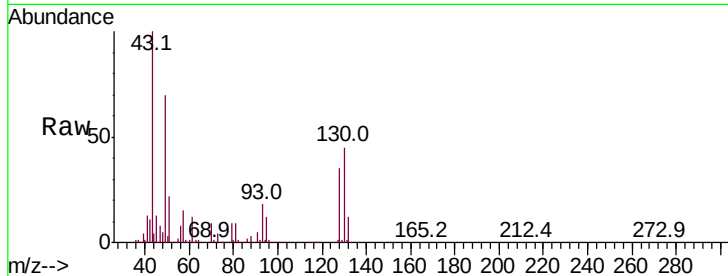
Tot Ion: 49 Resp: 1629712

Ion Ratio Lower Upper

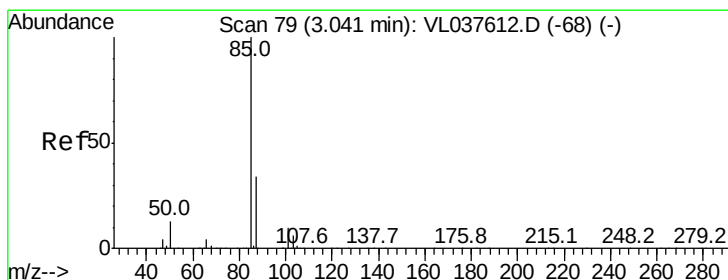
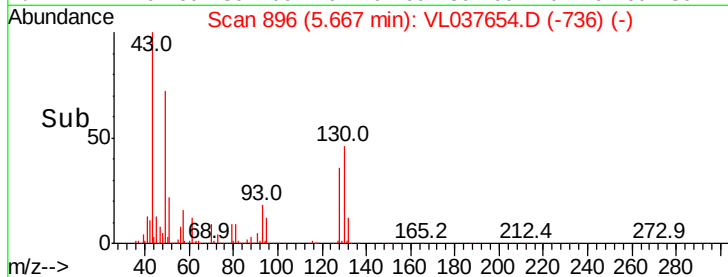
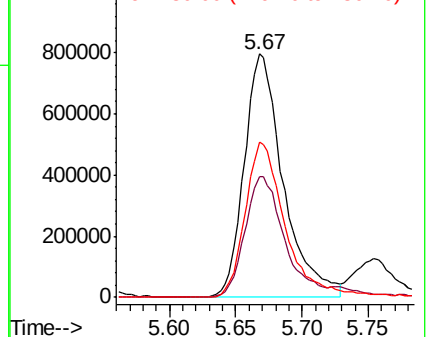
49 100

128 54.6 27.9 83.6

130 66.7 33.9 101.7



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: 6.960 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL037654.D

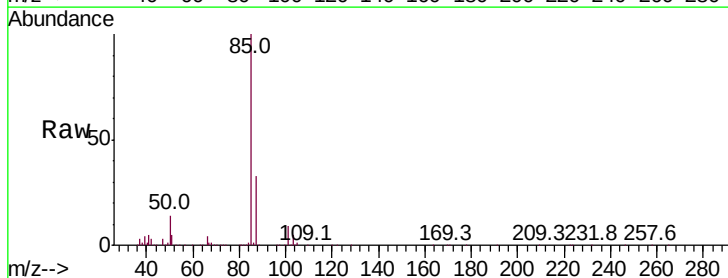
Acq: 23 Sep 2021 9:32

Tgt Ion: 85 Resp: 2052566

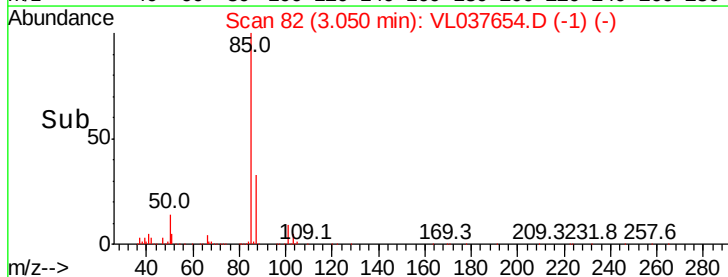
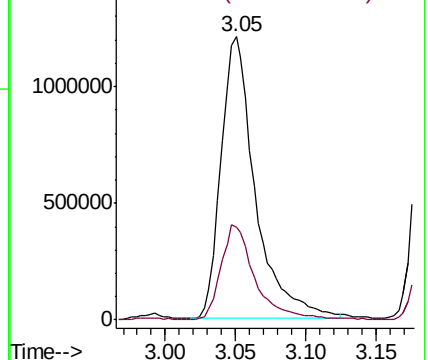
Ion Ratio Lower Upper

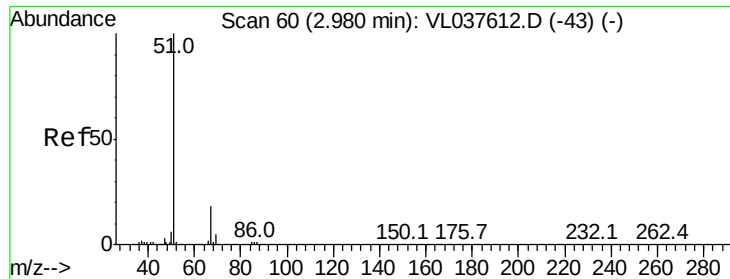
85 100

87 32.9 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.755 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

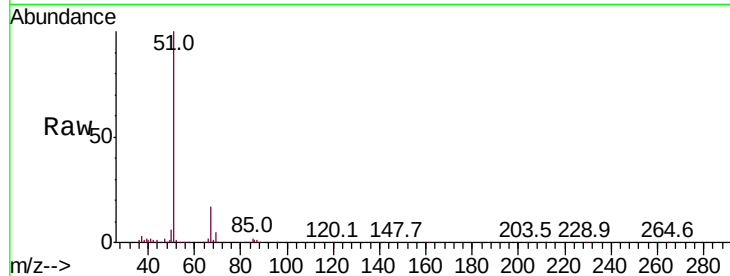
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2691227

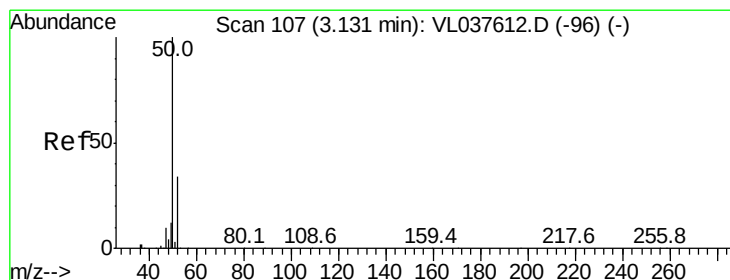
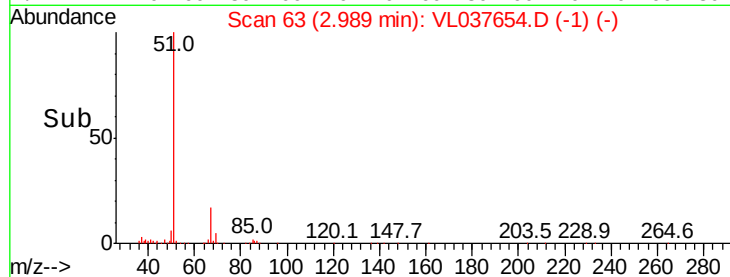
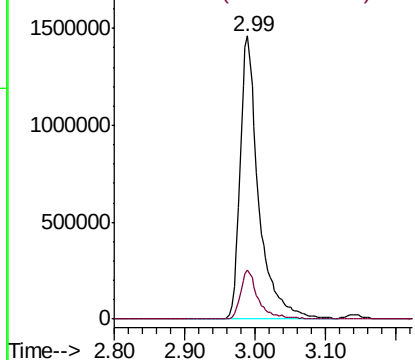
Ion Ratio Lower Upper

51 100

67 16.7 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.886 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL037654.D

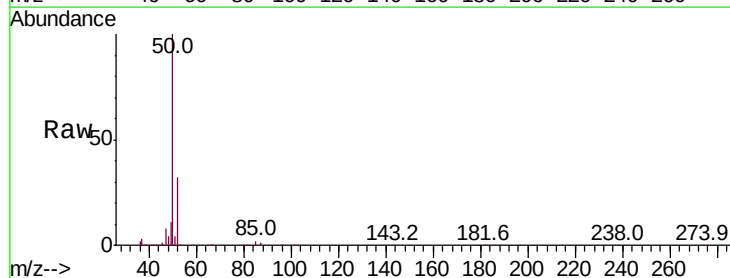
Acq: 23 Sep 2021 9:32

Tgt Ion: 50 Resp: 1009258

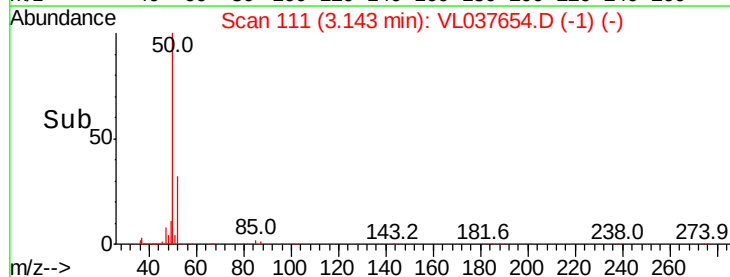
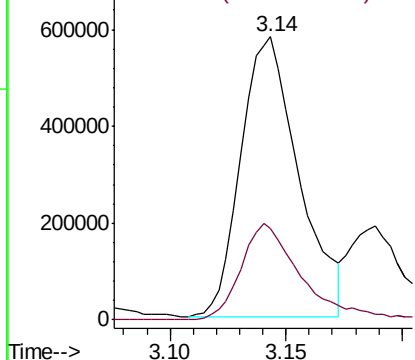
Ion Ratio Lower Upper

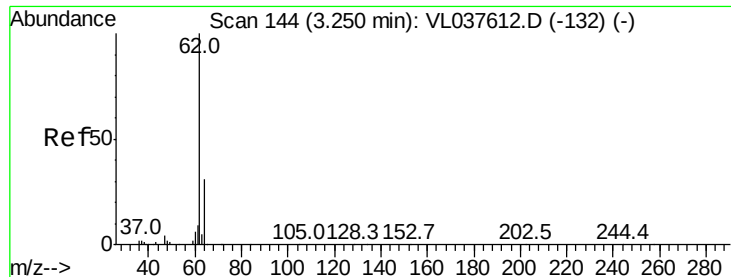
50 100

52 32.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.483 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

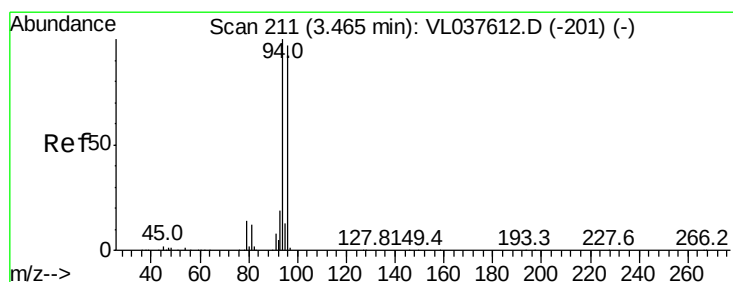
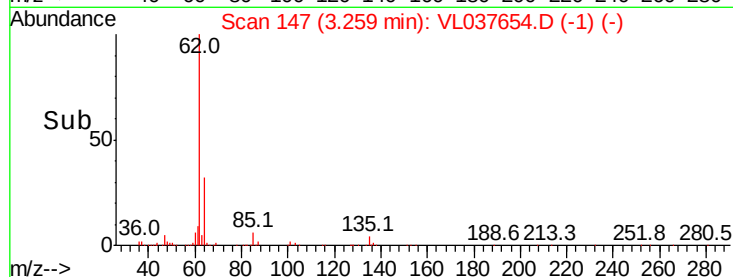
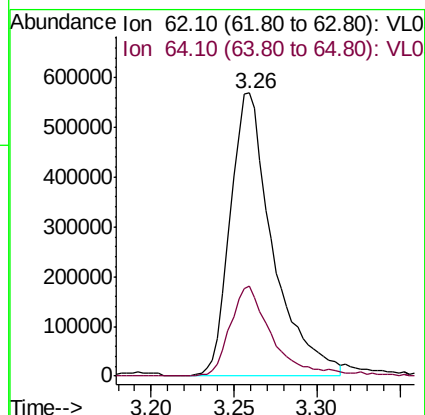
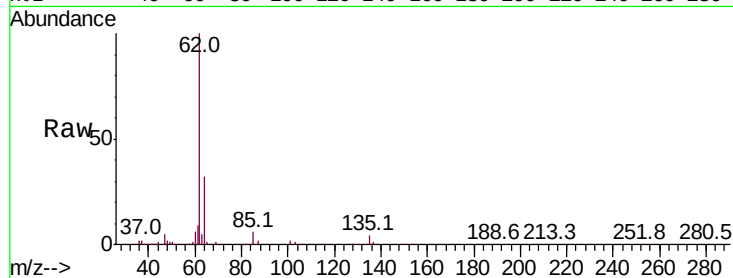
ClientSampleId :

Tot Ion: 62 Resp: 1011648

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3



#6

Bromomethane

Concen: 8.356 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037654.D

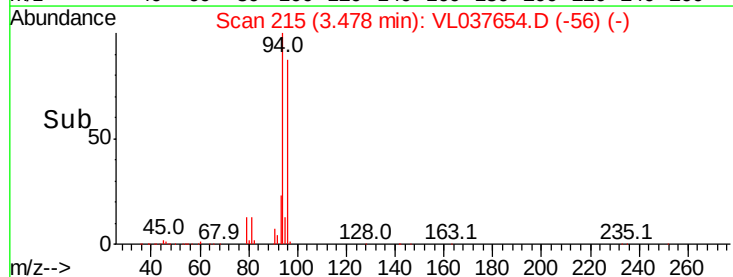
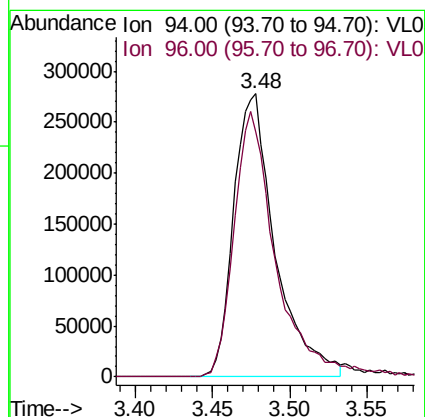
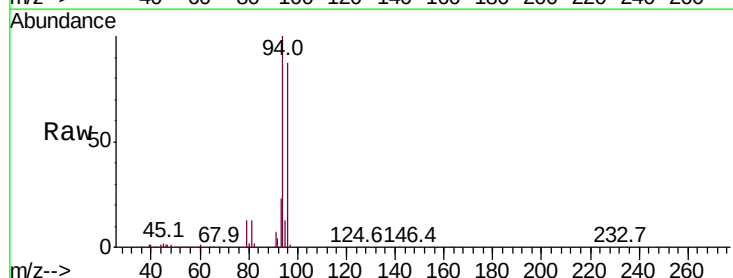
Acq: 23 Sep 2021 9:32

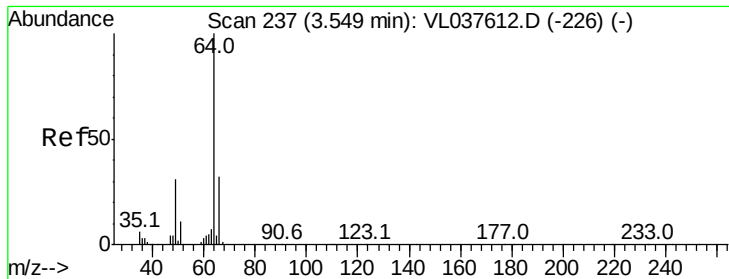
Tgt Ion: 94 Resp: 518092

Ion Ratio Lower Upper

94 100

96 86.8 77.3 115.9





#7

Chloroethane

Concen: 8.765 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

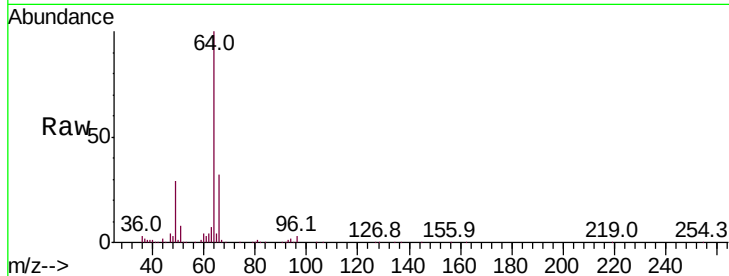
ClientSampleId :

Tot Ion: 64 Resp: 349447

Ion Ratio Lower Upper

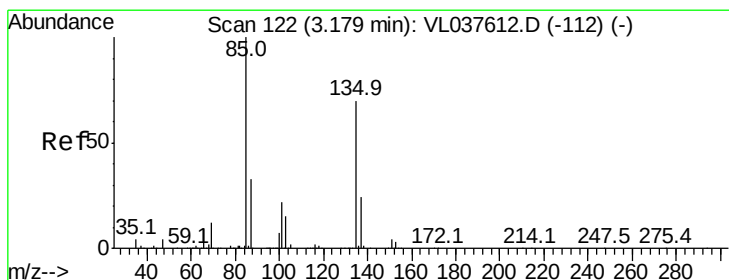
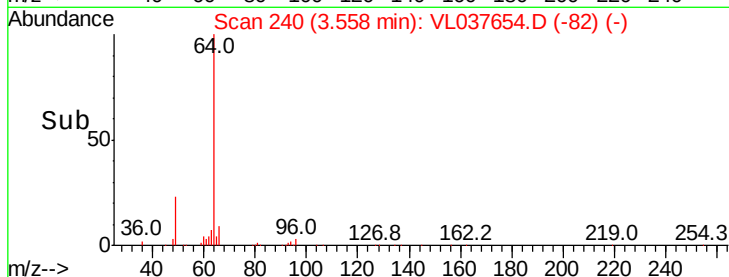
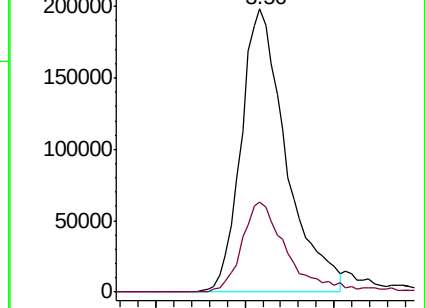
64 100

66 31.8 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.647 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037654.D

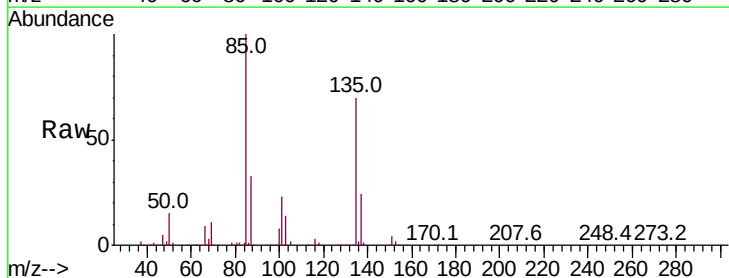
Acq: 23 Sep 2021 9:32

Tgt Ion: 85 Resp: 2199799

Ion Ratio Lower Upper

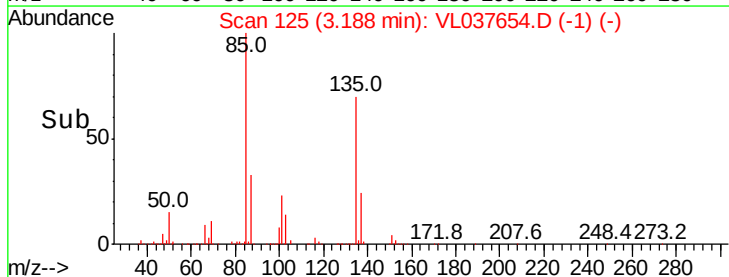
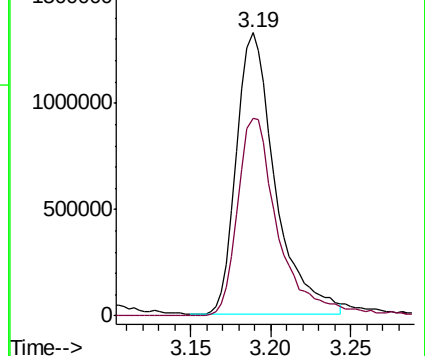
85 100

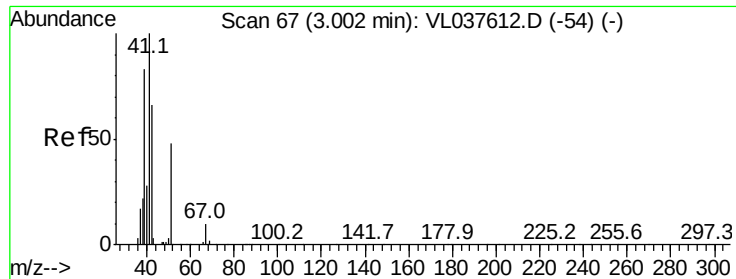
135 74.7 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.400 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

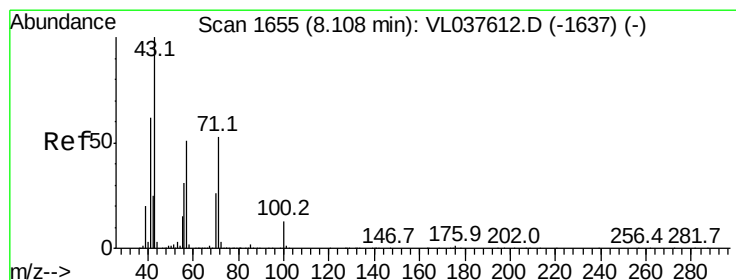
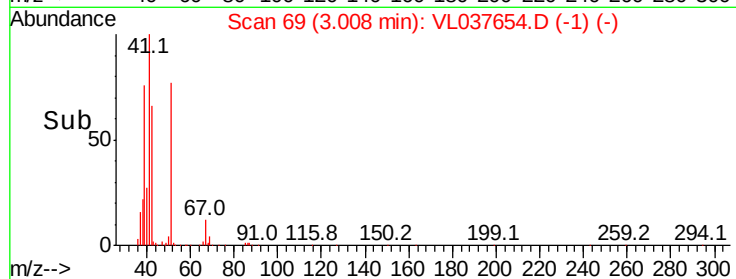
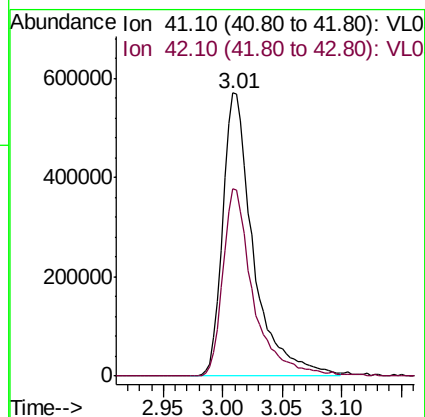
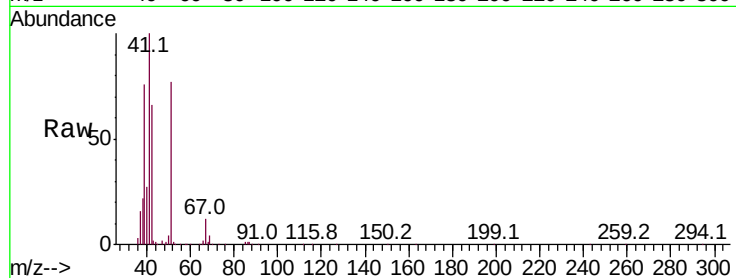
ClientSampleId :

Tot Ion: 41 Resp: 1019294

Ion Ratio Lower Upper

41 100

42 66.4 57.2 85.8



#10

Heptane

Concen: 9.570 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.02 min

Lab File: VL037654.D

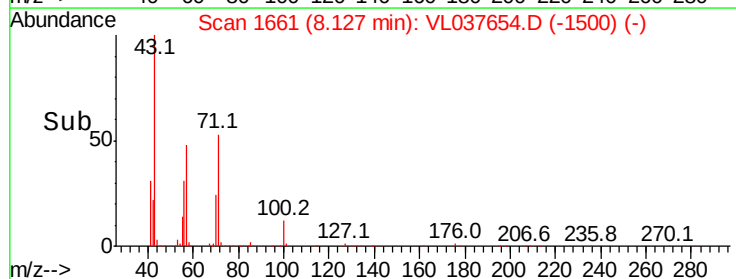
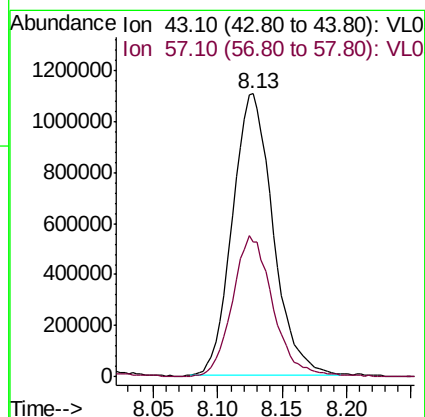
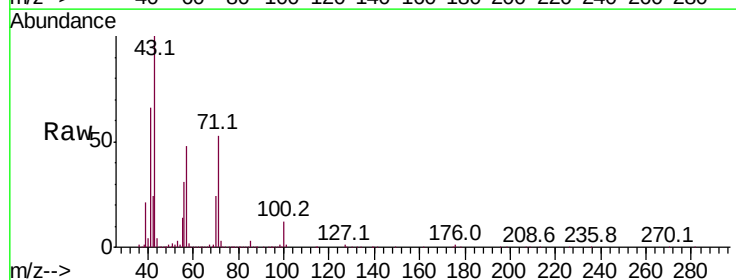
Acq: 23 Sep 2021 9:32

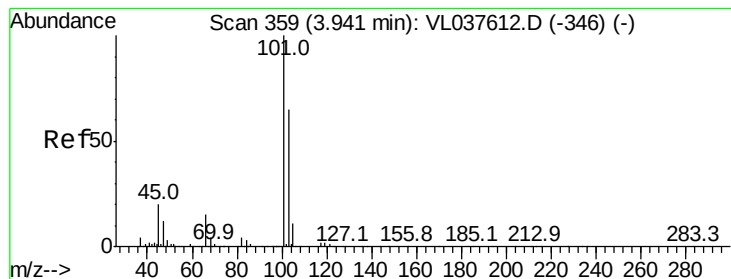
Tgt Ion: 43 Resp: 2421398

Ion Ratio Lower Upper

43 100

57 49.7 40.1 60.1





#11

Trichlorofluoromethane

Concen: 8.682 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

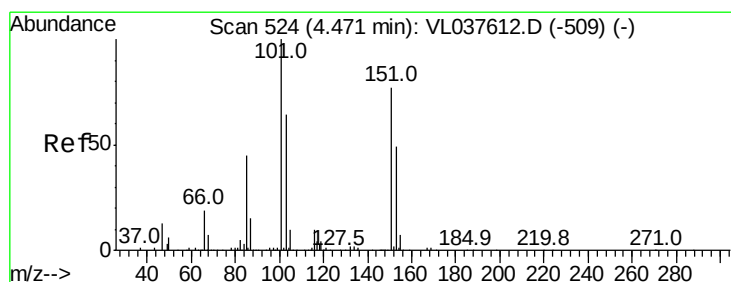
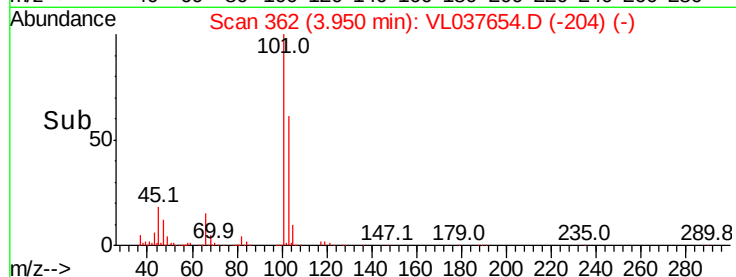
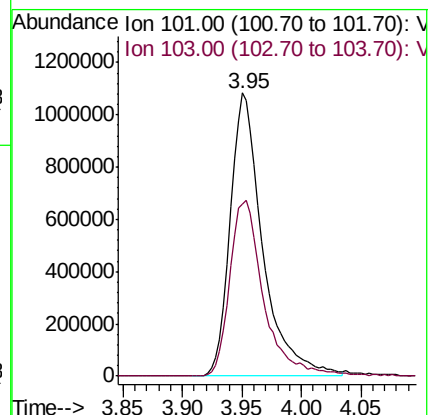
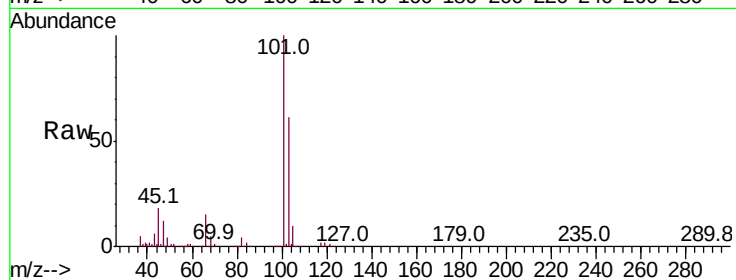
ClientSampleId :

Tot Ion:101 Resp: 2055569

Ion Ratio Lower Upper

101 100

103 60.8 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.711 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.01 min

Lab File: VL037654.D

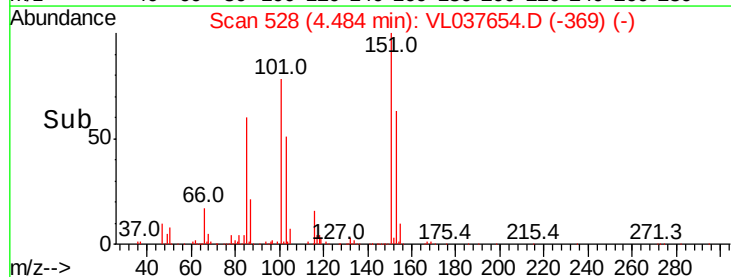
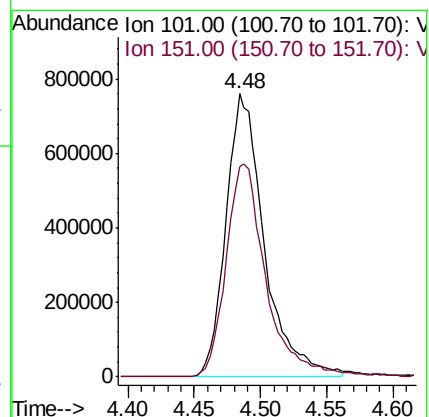
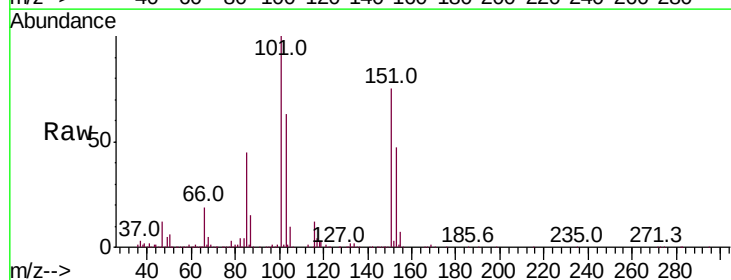
Acq: 23 Sep 2021 9:32

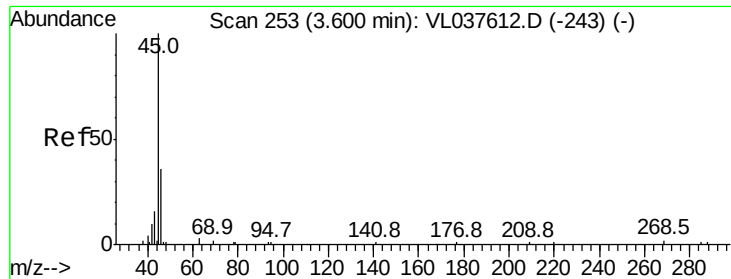
Tgt Ion:101 Resp: 1522393

Ion Ratio Lower Upper

101 100

151 79.3 63.5 95.3

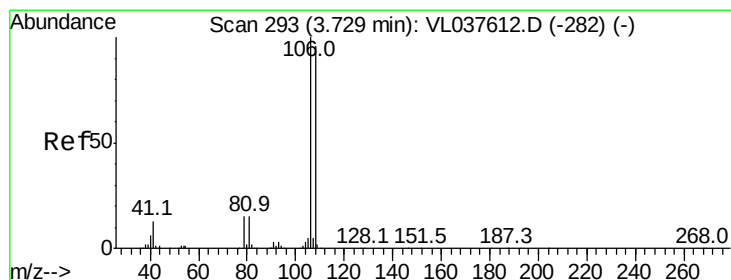
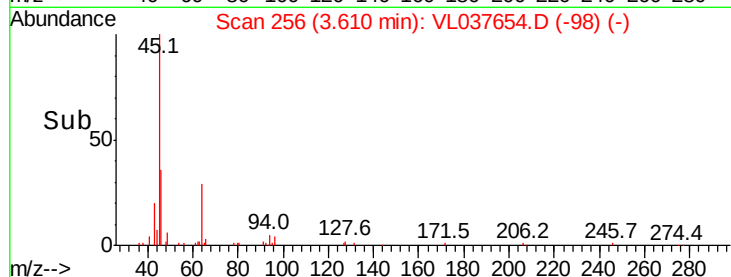
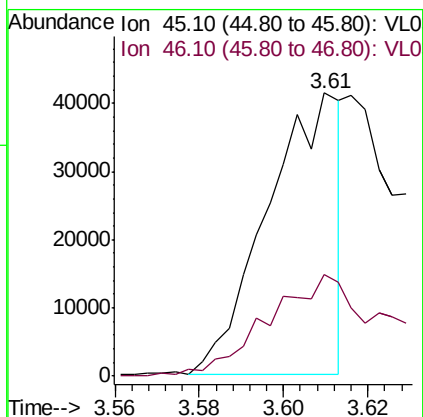
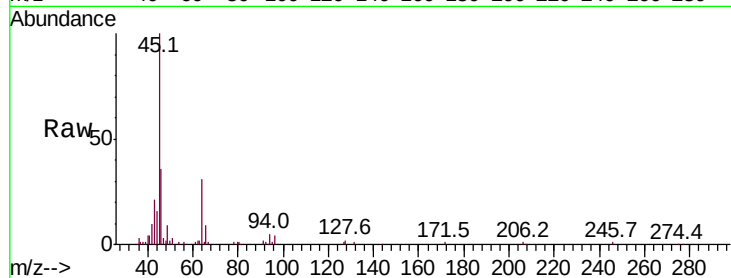




#13
Ethanol
Concen: 4.658 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

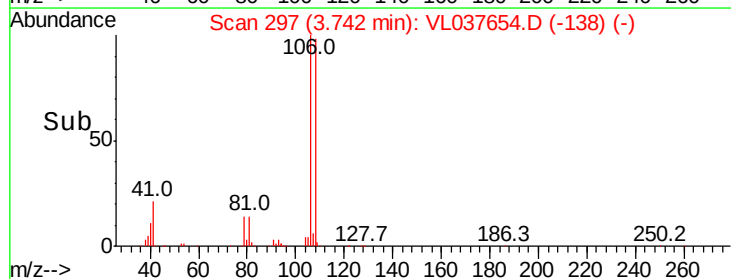
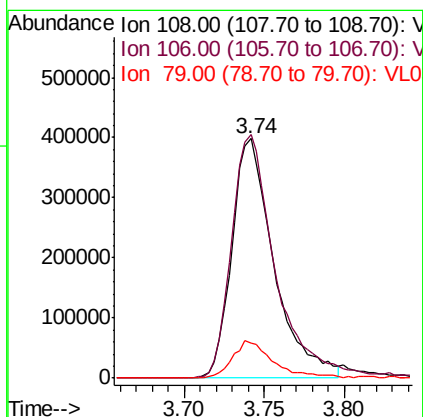
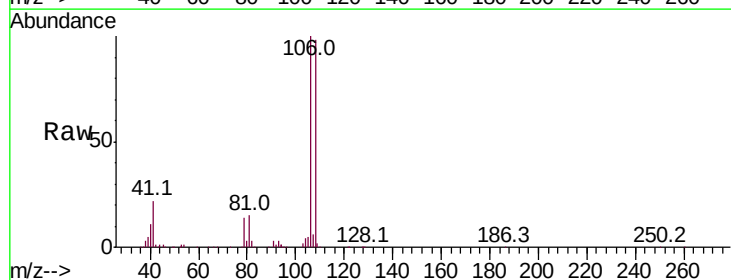
Instrument :
MSVOA_L
ClientSampleId :

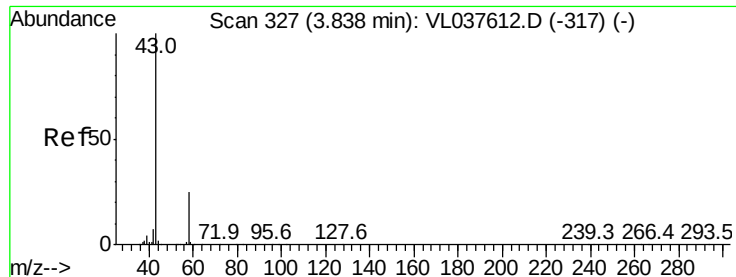
Tot Ion: 45 Resp: 49407
Ion Ratio Lower Upper
45 100
46 88.4 17.2 68.8#



#14
Bromoethene
Concen: 8.973 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 108 Resp: 713787
Ion Ratio Lower Upper
108 100
106 108.3 88.2 132.4
79 15.7 12.8 19.2





#15

Acetone

Concen: 6.862 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

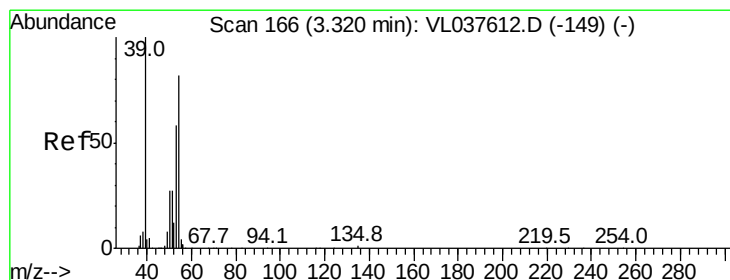
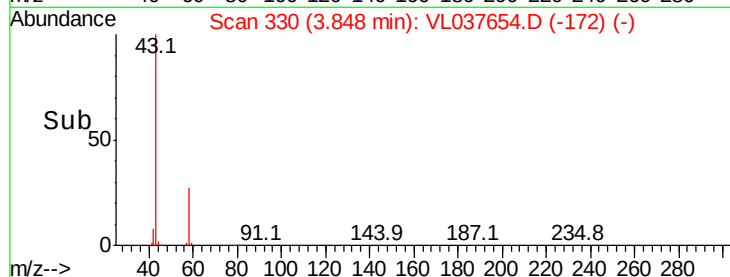
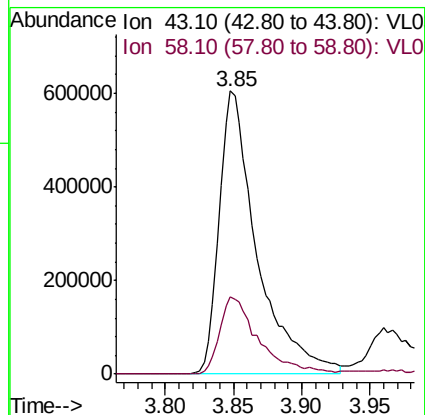
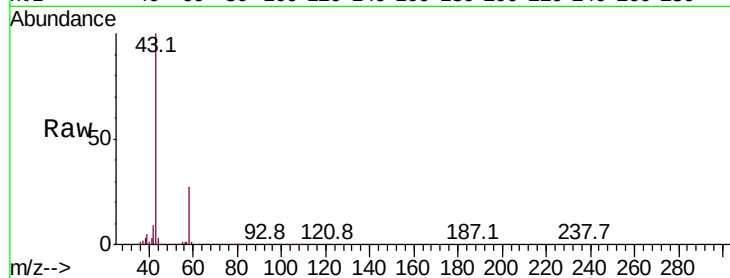
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1161990

Ion Ratio Lower Upper

43 100

58 28.7 24.9 37.3



#16

1,3-Butadiene

Concen: 9.259 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL037654.D

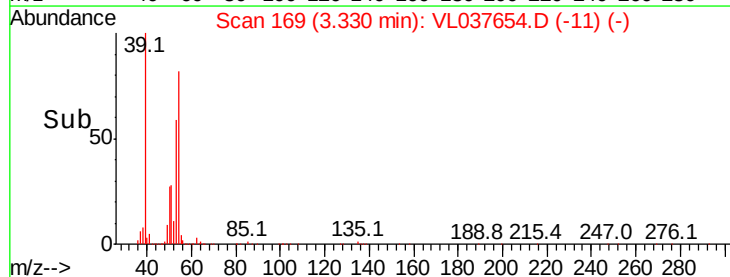
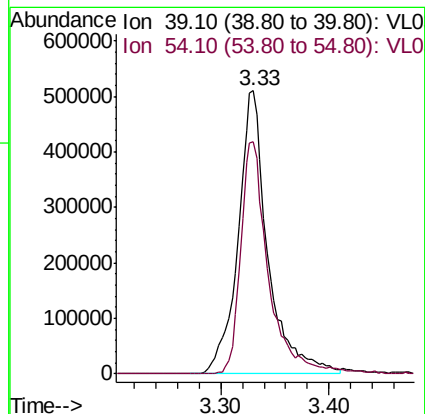
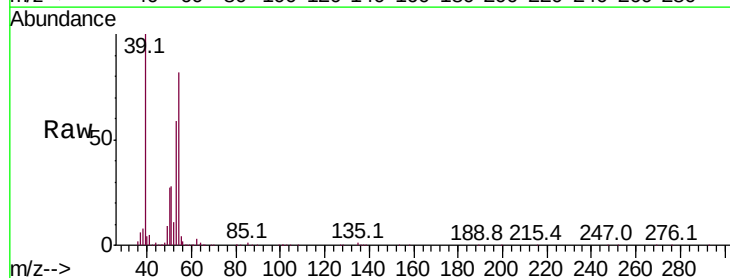
Acq: 23 Sep 2021 9:32

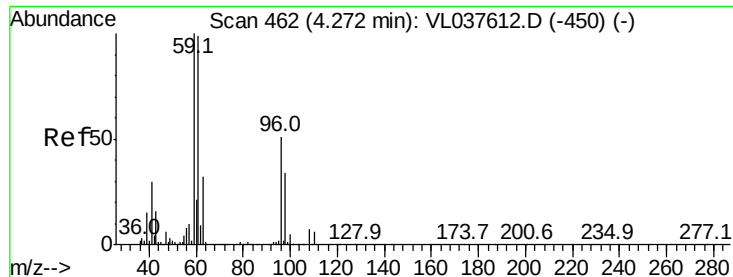
Tgt Ion: 39 Resp: 979679

Ion Ratio Lower Upper

39 100

54 76.7 62.6 93.8





#17

tert-Butyl alcohol
 Concen: 10.077 ppbv
 RT: 4.28 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

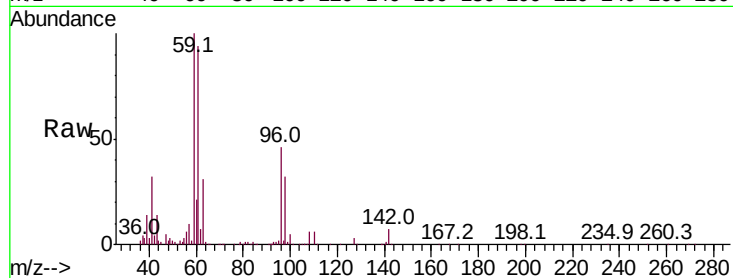
Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 59 Resp: 1446884

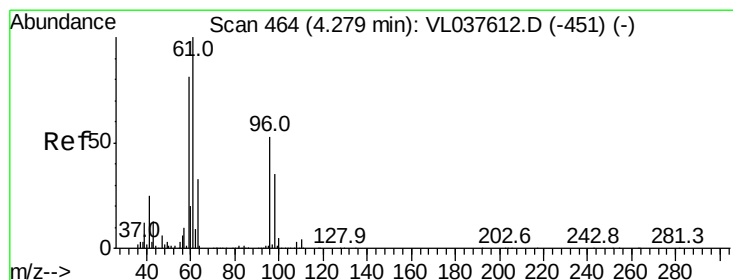
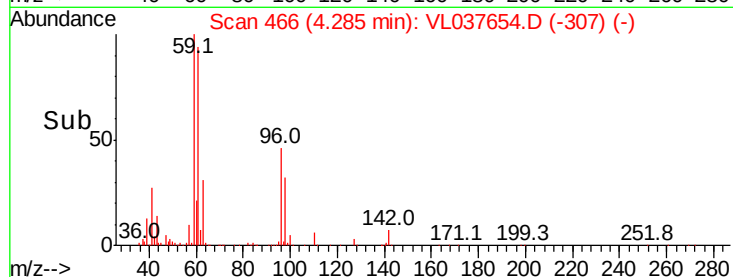
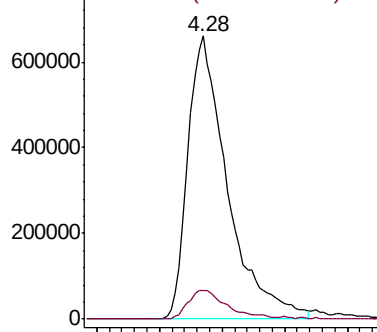
Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
 Concen: 8.581 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

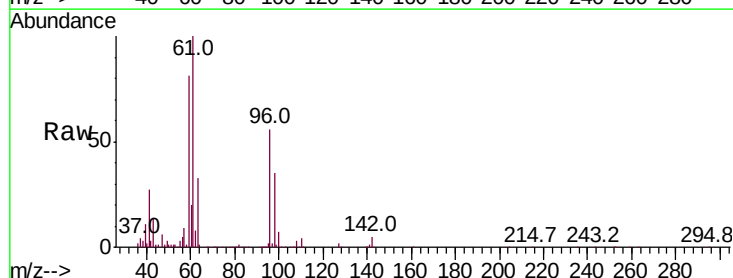
Tgt Ion: 96 Resp: 698562

Ion Ratio Lower Upper

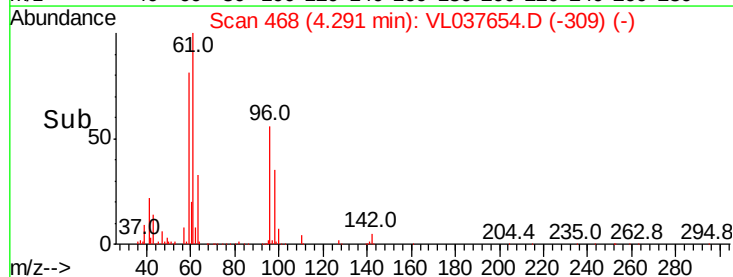
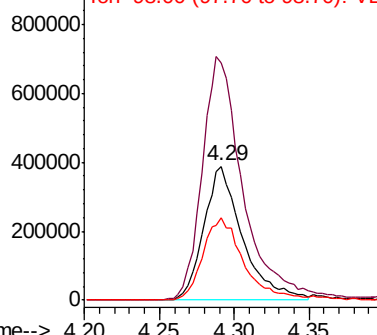
96 100

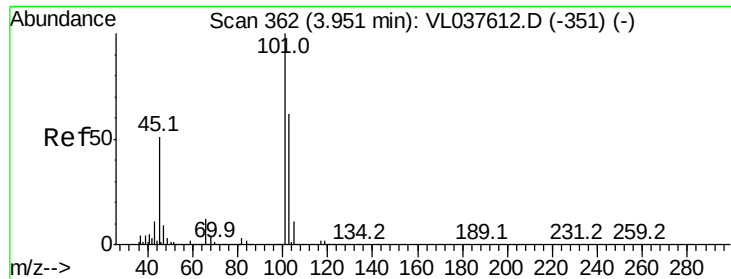
61 177.4 150.4 225.6

98 61.6 52.1 78.1



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





#19

Isopropyl Alcohol

Concen: 9.035 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

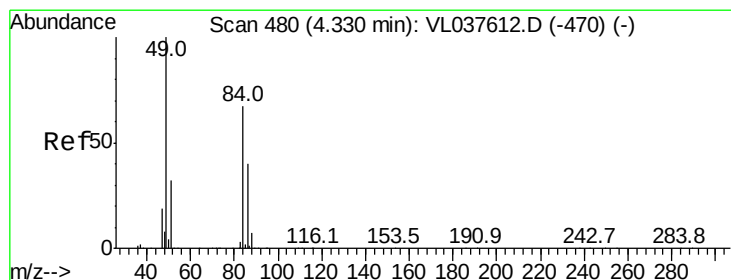
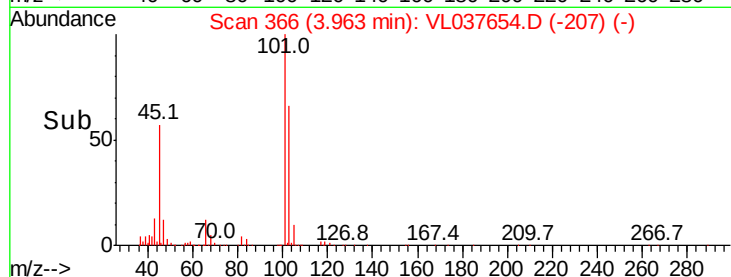
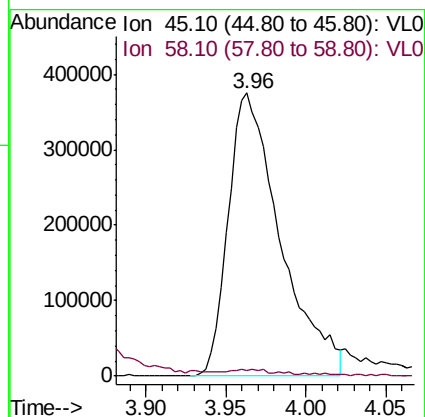
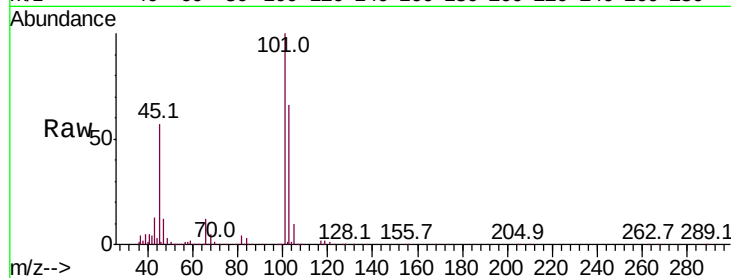
ClientSampleId :

Tot Ion: 45 Resp: 832386

Ion Ratio Lower Upper

45 100

58 2.4 2.9 4.3#



#20

Methylene Chloride

Concen: 7.333 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Tgt Ion: 84 Resp: 592807

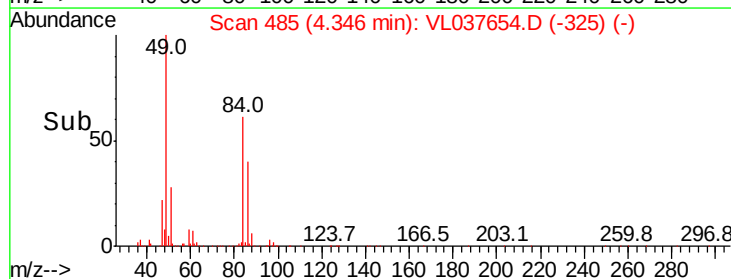
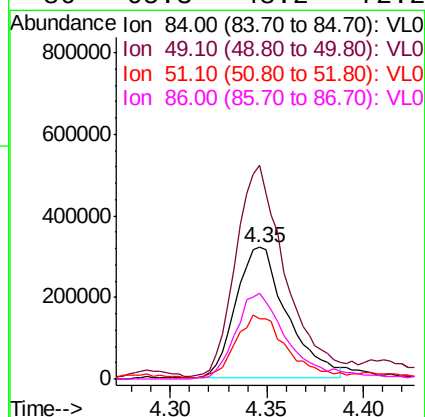
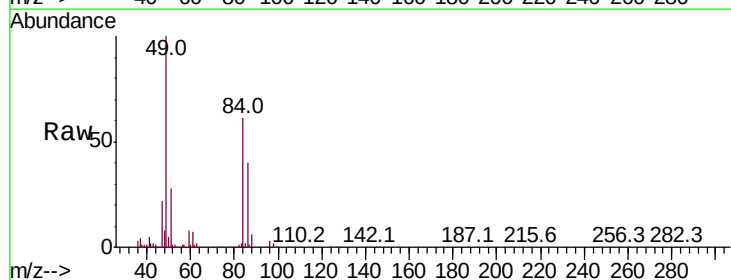
Ion Ratio Lower Upper

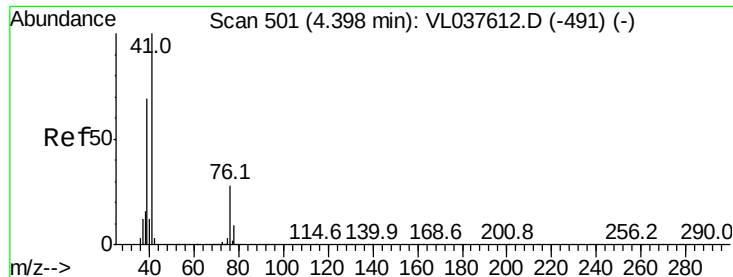
84 100

49 161.5 120.0 180.0

51 45.2 38.0 57.0

86 65.3 48.2 72.2





#21

Allvl Chloride

Concen: 8.912 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.01 min

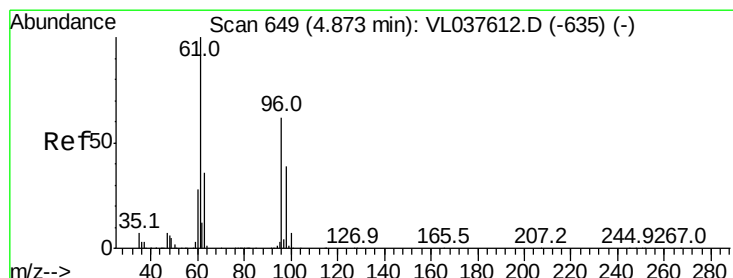
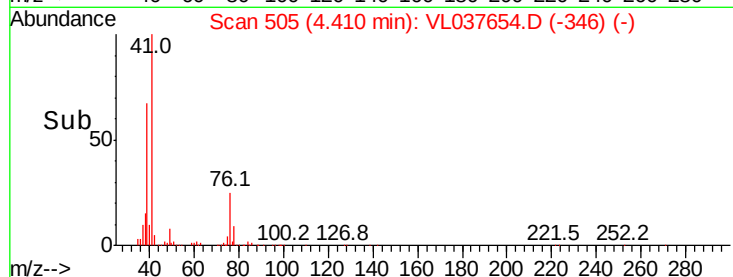
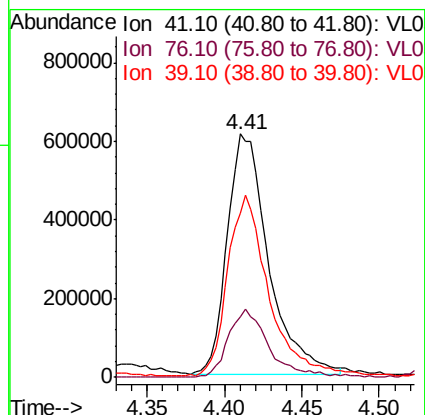
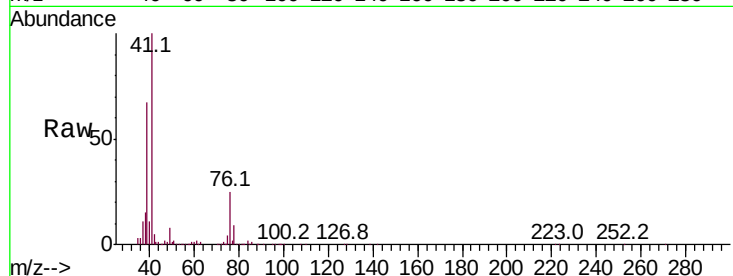
Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1127355

Ion	Ratio	Lower	Upper
41	100		
76	28.2	23.1	34.7
39	75.9	61.0	91.6



#22

trans-1,2-Dichloroethene

Concen: 8.768 ppbv

RT: 4.88 min Scan# 652

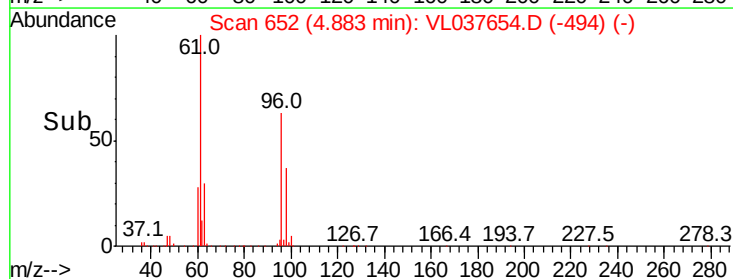
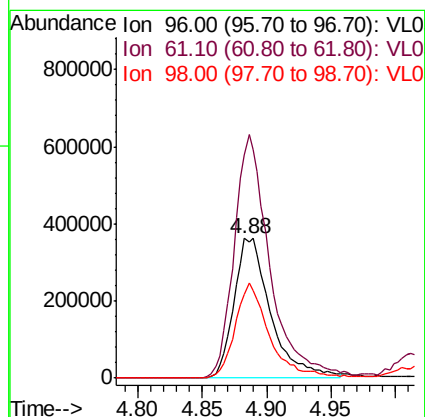
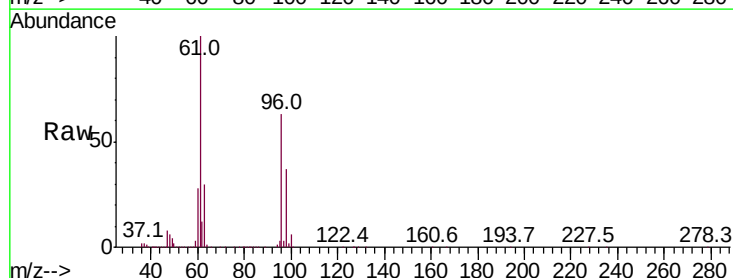
Delta R.T. 0.01 min

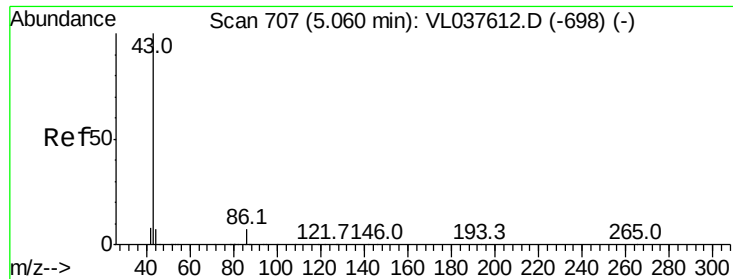
Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Tgt Ion: 96 Resp: 718221

Ion	Ratio	Lower	Upper
96	100		
61	159.8	129.2	193.8
98	59.6	50.4	75.6





#23

Vinyl Acetate

Concen: 9.604 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2250391

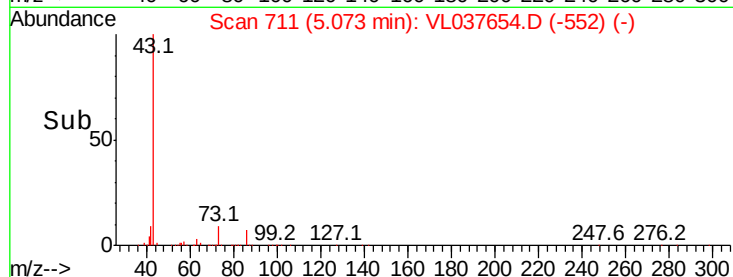
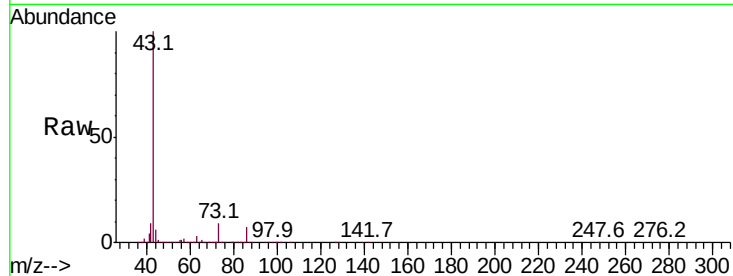
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.0	7.6
42	9.1	7.5	11.3
44	5.3	4.7	7.1

43 100

86 7.1 5.0 7.6

42 9.1 7.5 11.3

44 5.3 4.7 7.1

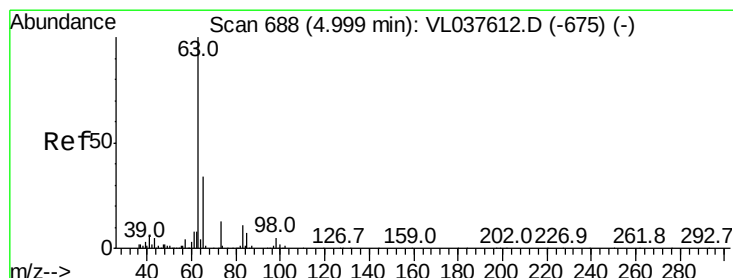
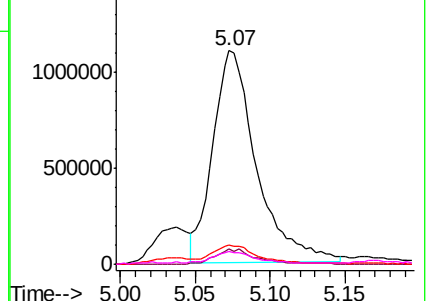


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.509 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

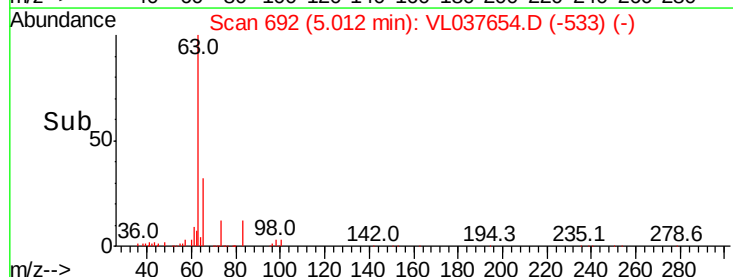
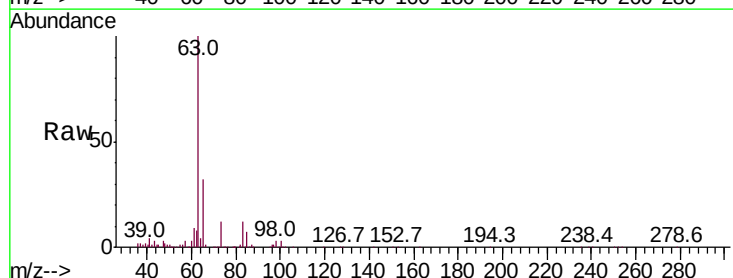
Tgt Ion: 63 Resp: 1428199

Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.4	7.2
100	2.8	1.1	3.5

63 100

98 2.9 2.4 7.2

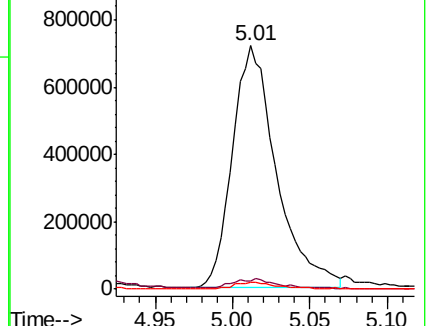
100 2.8 1.1 3.5

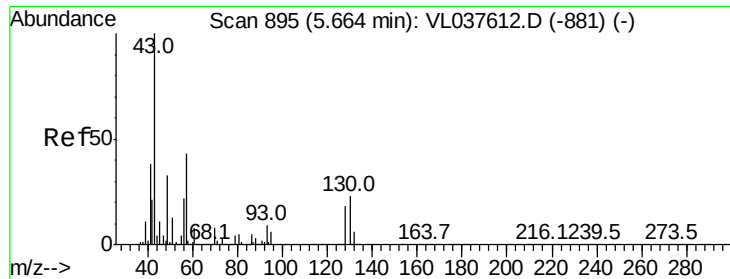


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



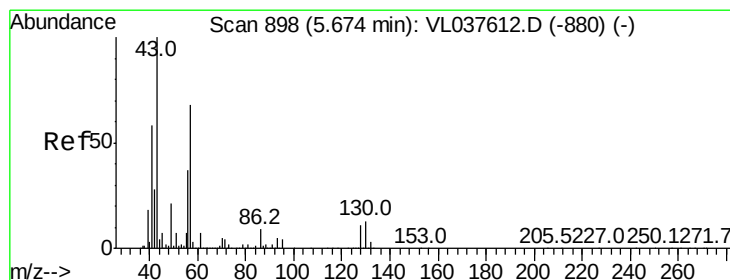
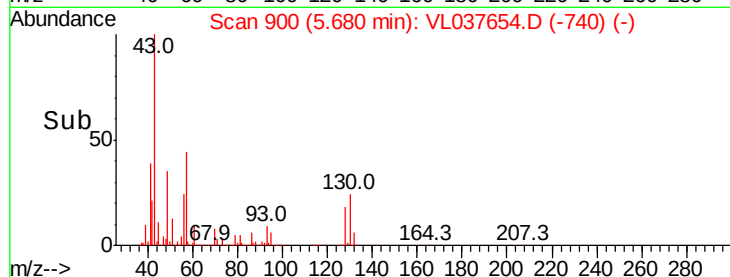
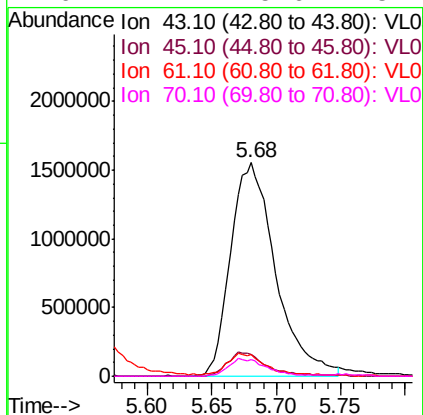
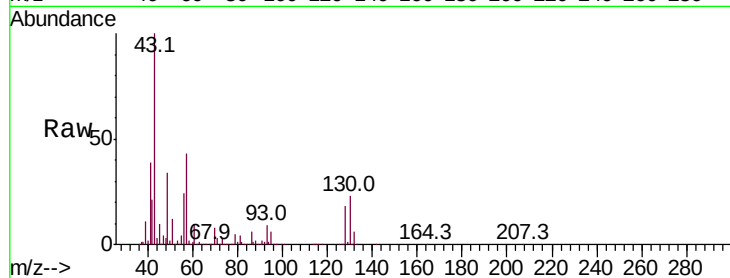


#25
Ethyl Acetate
Concen: 9.153 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3753480

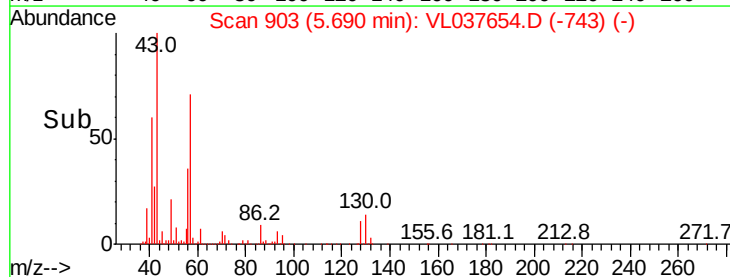
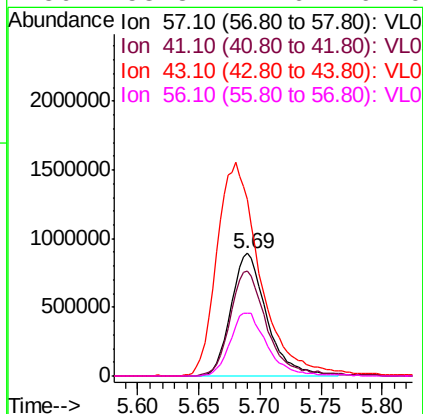
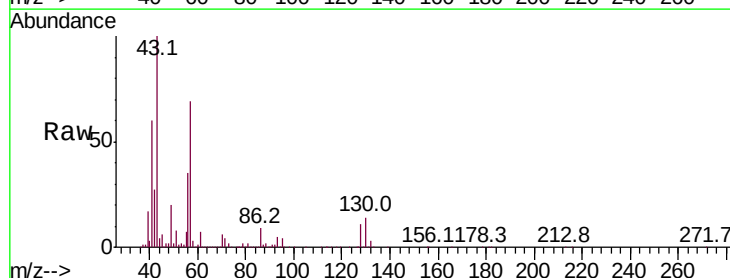
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	9.8	7.5	11.3
70	7.2	5.6	8.4

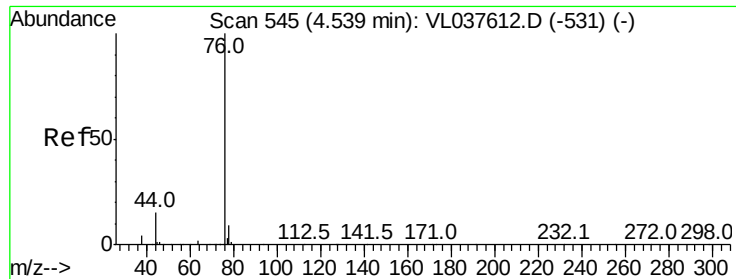


#26
Hexane
Concen: 9.339 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 57 Resp: 1819416

Ion	Ratio	Lower	Upper
57	100		
41	89.2	70.9	106.3
43	212.2	170.4	255.6
56	53.8	42.6	64.0





#27

Carbon Disulfide

Concen: 9.672 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

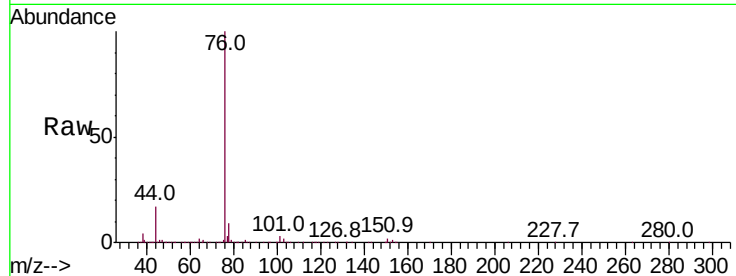
Tot Ion: 76 Resp: 1723774

Ion Ratio Lower Upper

76 100

44 18.2 14.2 21.2

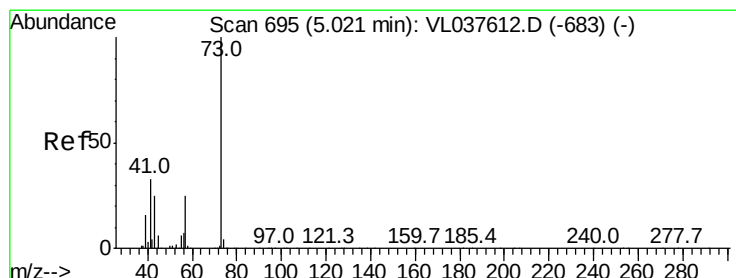
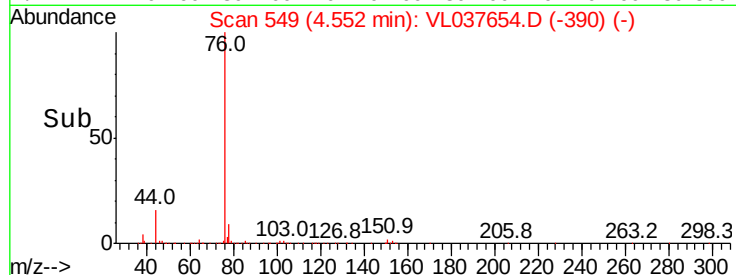
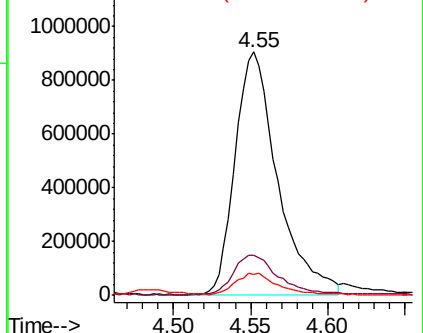
78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.219 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.02 min

Lab File: VL037654.D

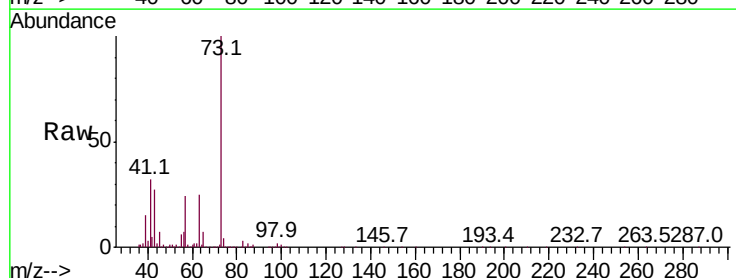
Acq: 23 Sep 2021 9:32

Tgt Ion: 73 Resp: 1581925

Ion Ratio Lower Upper

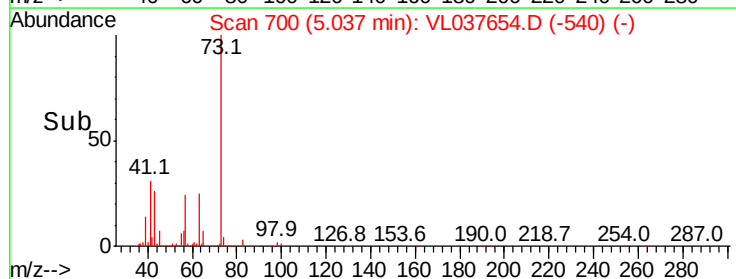
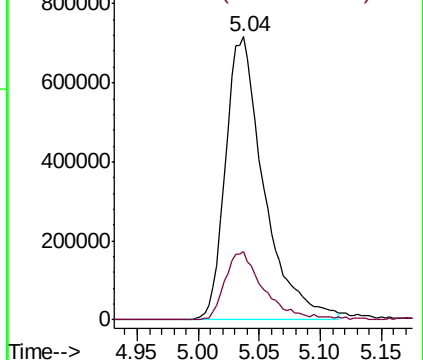
73 100

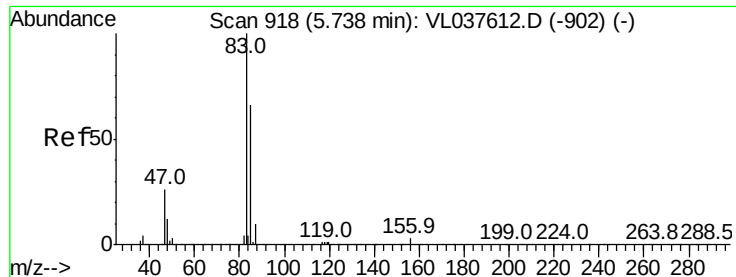
57 24.7 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

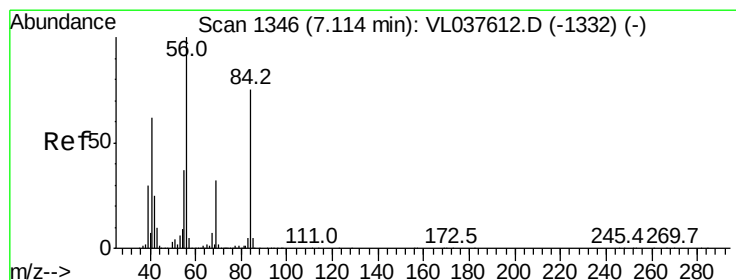
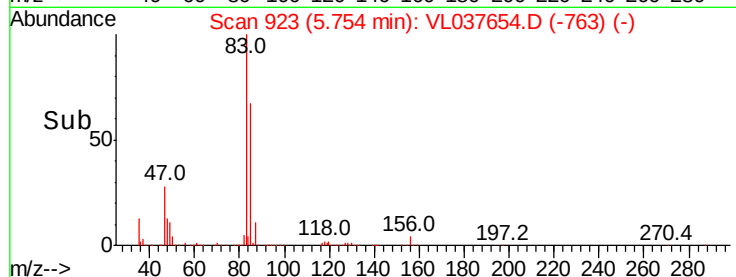
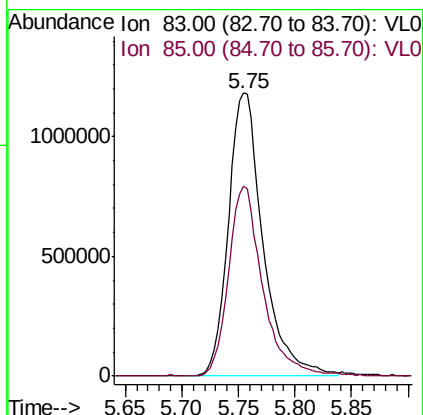
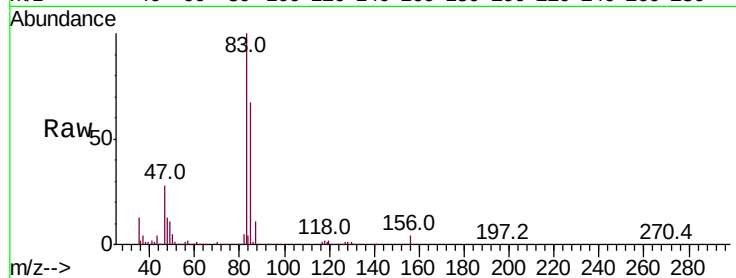




#29
Chloroform
Concen: 8.872 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

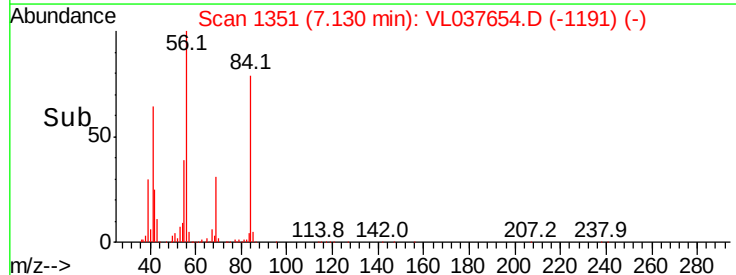
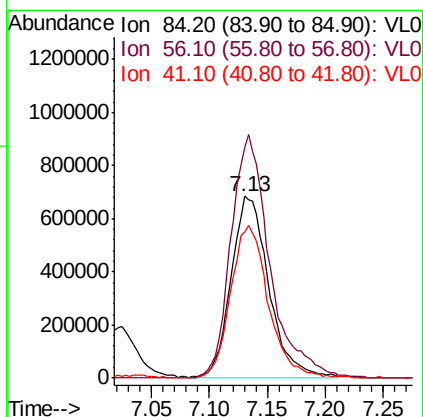
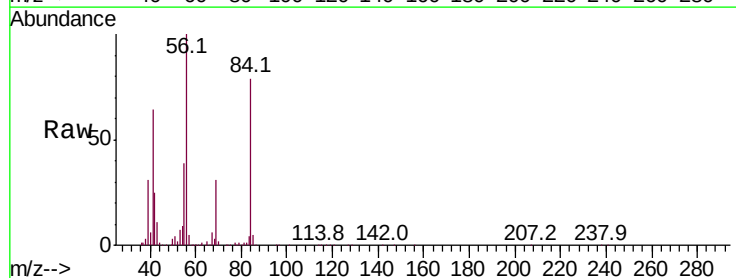
Instrument :
MSVOA_L
ClientSampled :

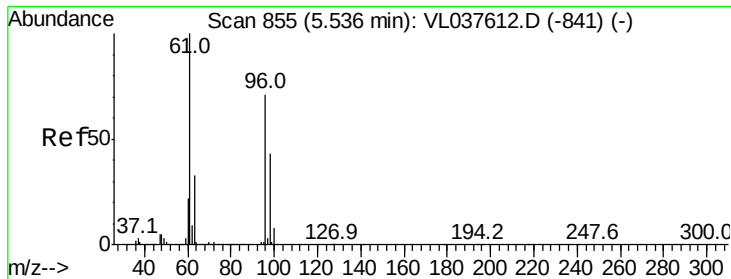
Tot Ion: 83 Resp: 2523828
Ion Ratio Lower Upper
83 100
85 67.1 52.6 79.0



#30
Cyclohexane
Concen: 9.176 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 84 Resp: 1528749
Ion Ratio Lower Upper
84 100
56 140.6 113.6 170.4
41 85.4 67.9 101.9





#31

cis-1,2-Dichloroethene

Concen: 9.663 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampled :

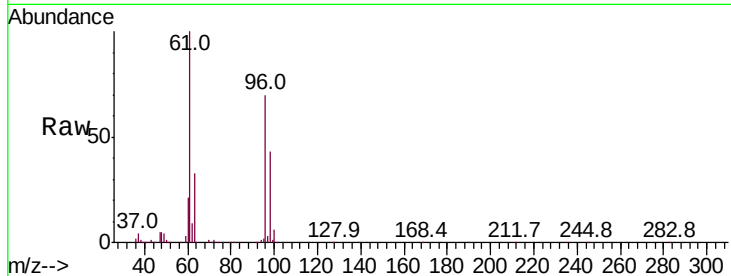
Tot Ion: 61 Resp: 1708859

Ion Ratio Lower Upper

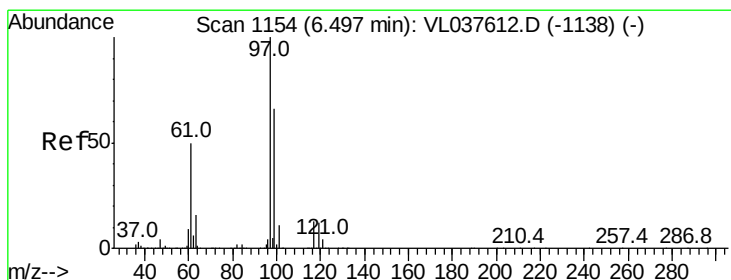
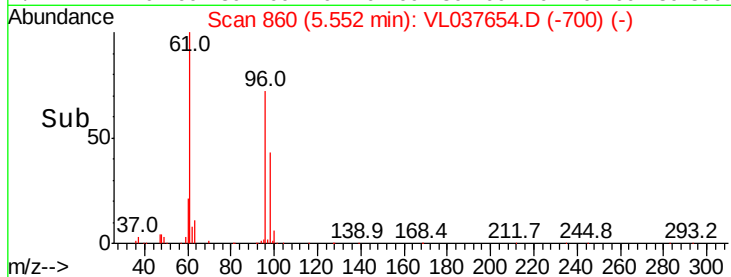
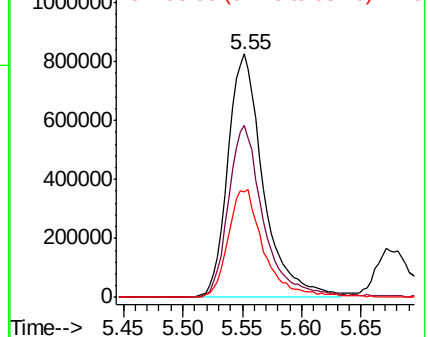
61 100

96 70.4 56.7 85.1

98 43.3 34.6 52.0



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: 9.211 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

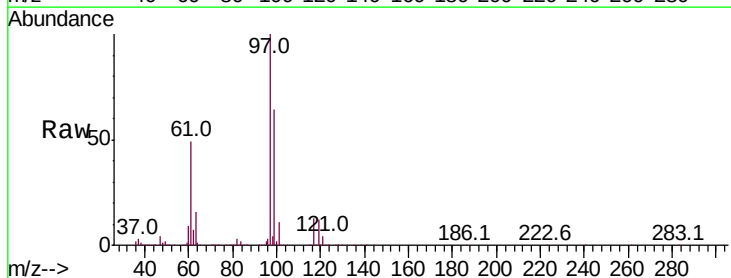
Tgt Ion: 97 Resp: 2439482

Ion Ratio Lower Upper

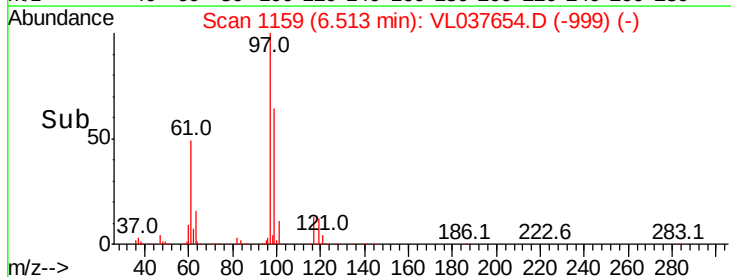
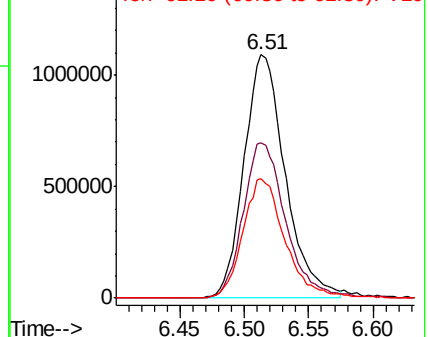
97 100

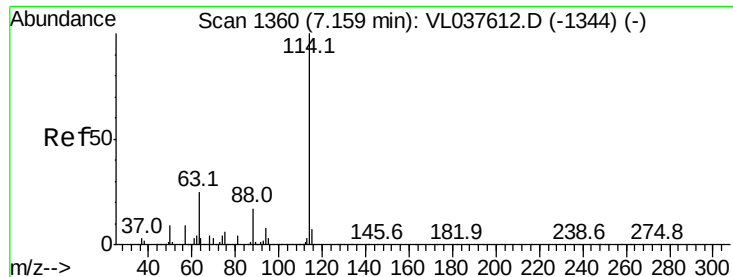
99 66.1 52.3 78.5

61 50.0 39.5 59.3



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# 1366

Delta R.T. 0.02 min

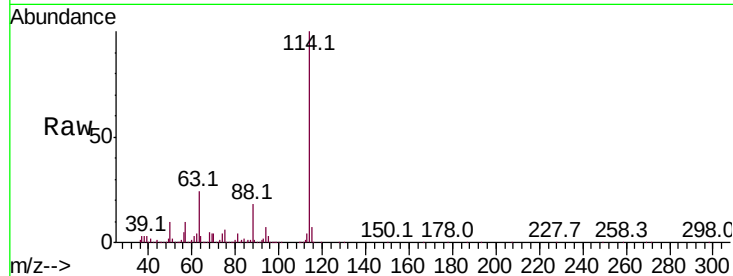
Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:114 Resp: 4809559

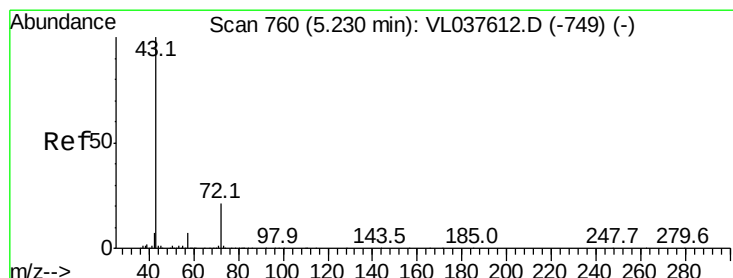
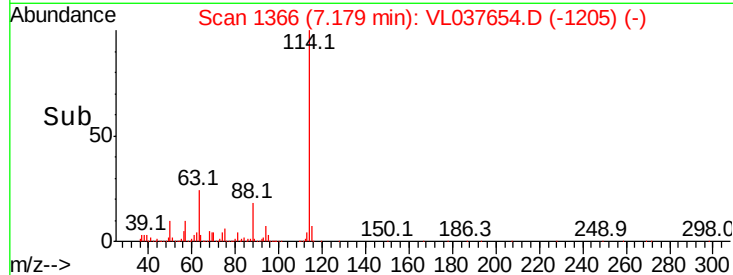
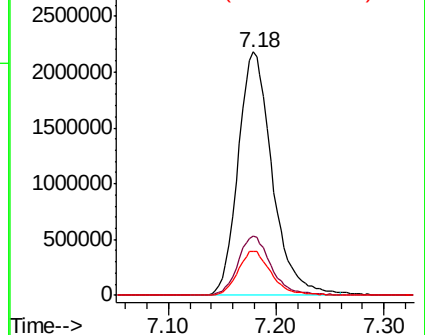
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.9	14.2	21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.574 ppbv

RT: 5.25 min Scan# 765

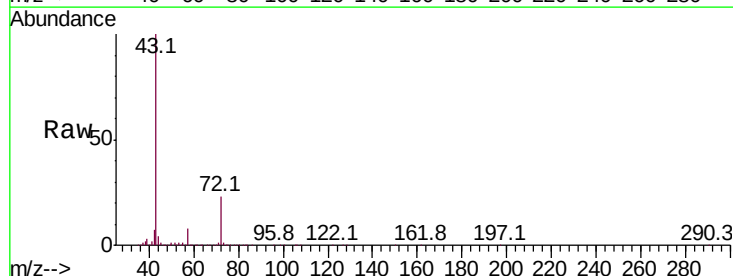
Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

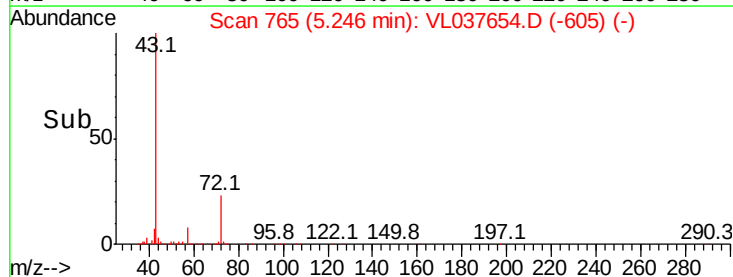
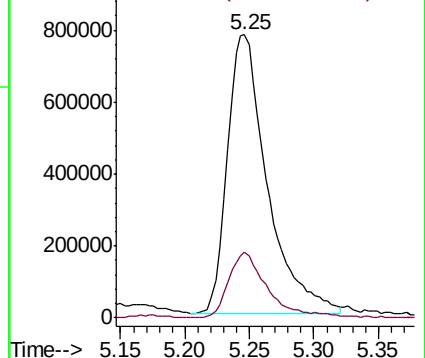
Tgt Ion: 43 Resp: 1675793

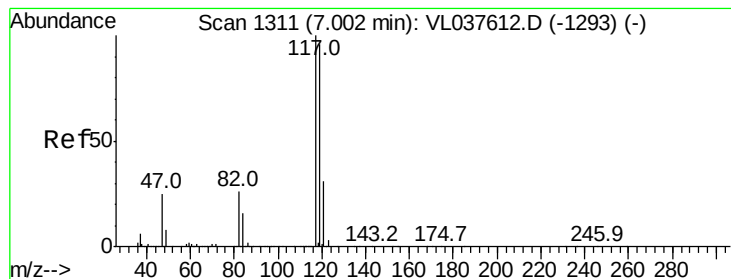
Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.292 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampled :

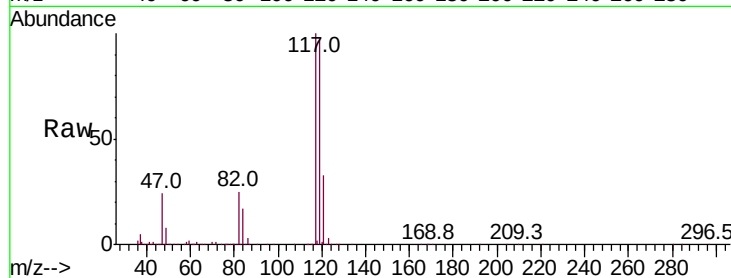
Tot Ion:117 Resp: 2528040

Ion Ratio Lower Upper

117 100

119 96.9 77.0 115.6

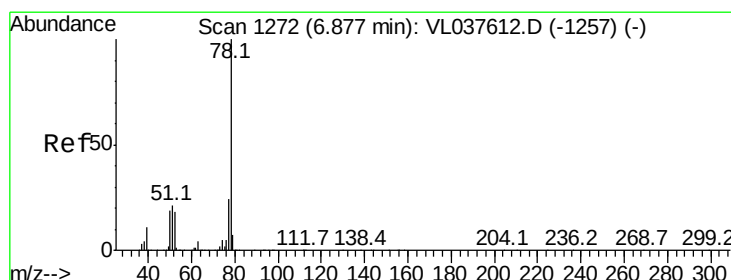
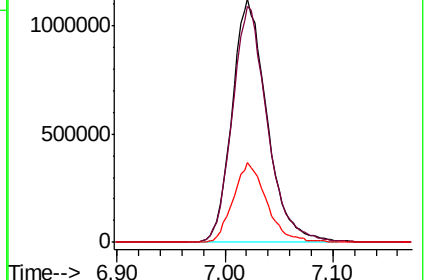
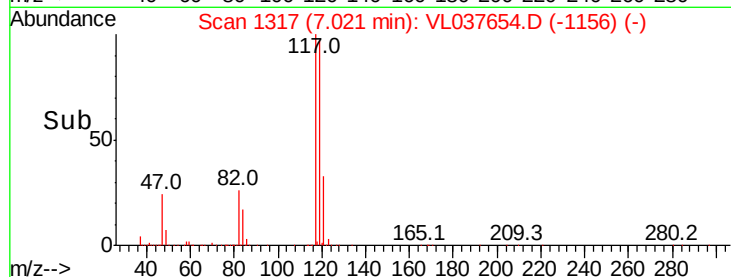
121 33.0 24.5 36.7



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: 9.355 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

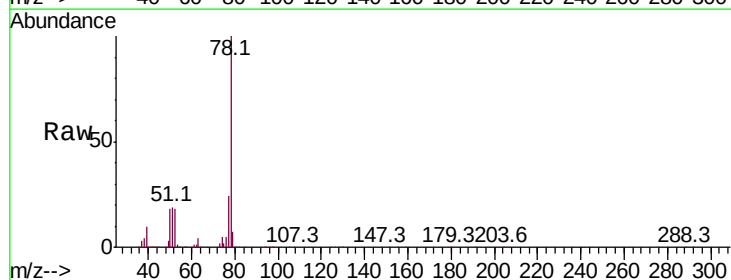
Tgt Ion: 78 Resp: 3751877

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.4

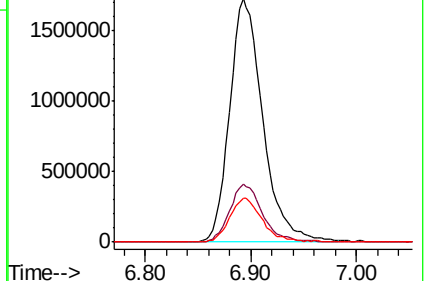
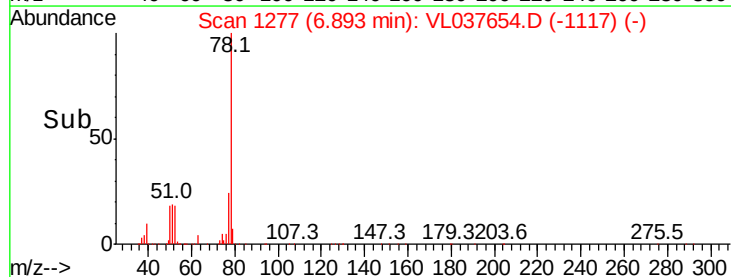
50 17.9 14.8 22.2

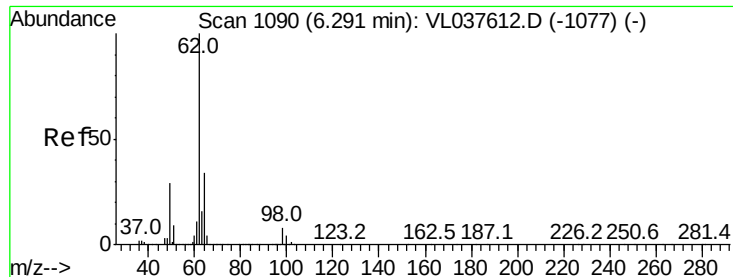


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

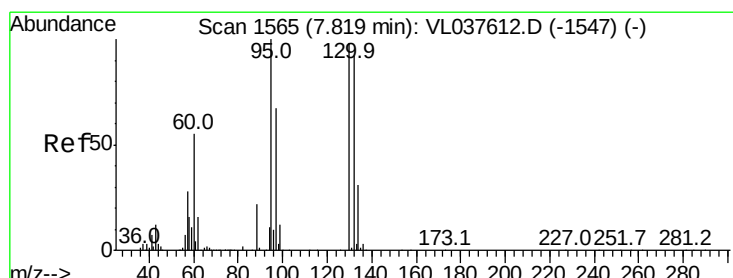
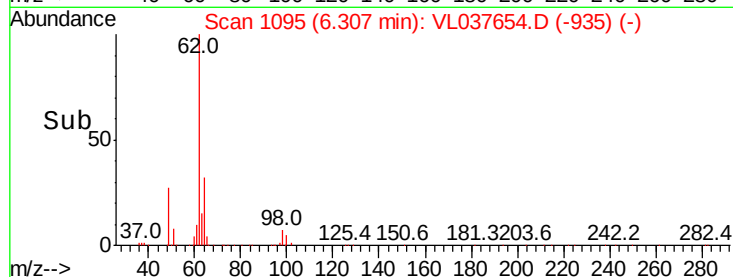
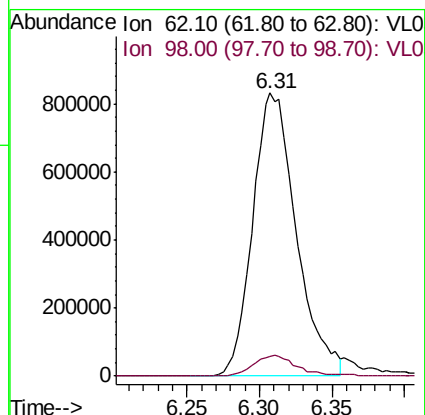
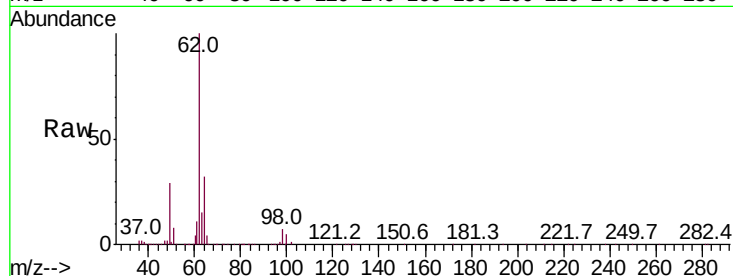




#37
 1,2-Dichloroethane
 Concen: 8.828 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

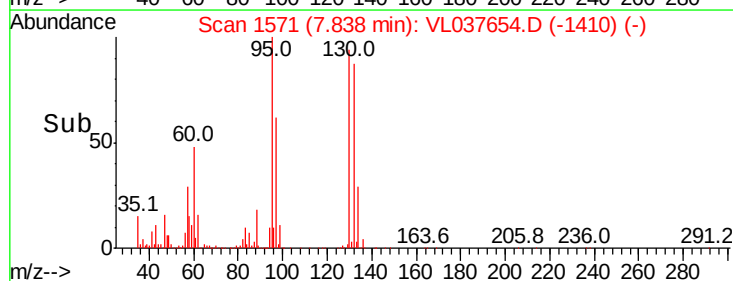
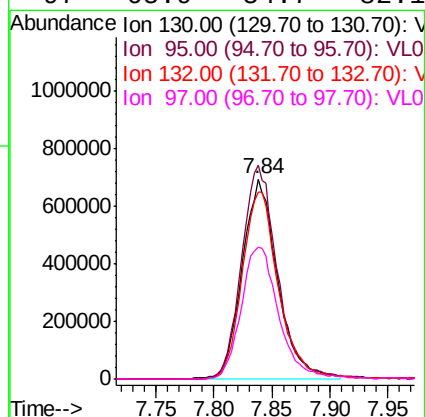
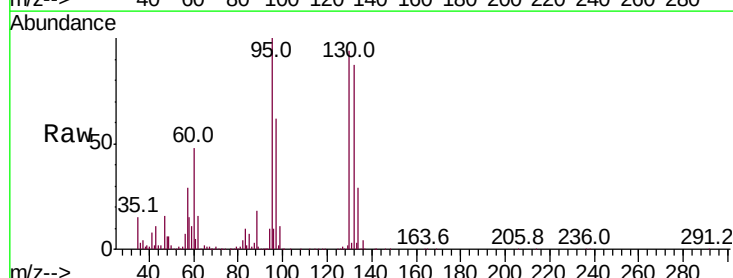
Instrument :
 MSVOA_L
 ClientSampleId :

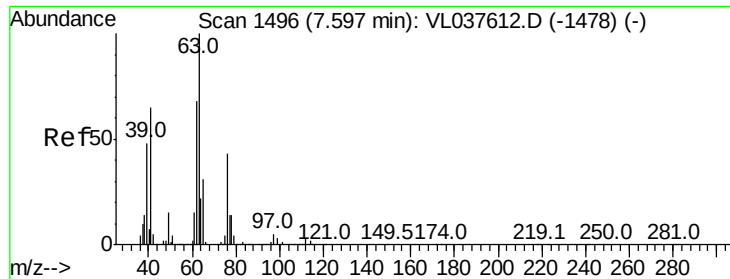
Tot Ion: 62 Resp: 1741364
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.1 9.1



#38
 Trichloroethene
 Concen: 8.740 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 130 Resp: 1464275
 Ion Ratio Lower Upper
 130 100
 95 106.8 81.8 122.6
 132 93.3 75.3 112.9
 97 65.9 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.228 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

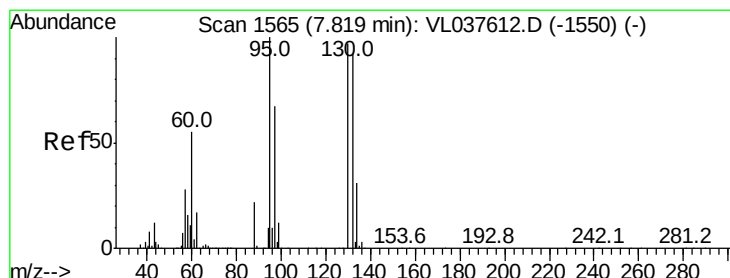
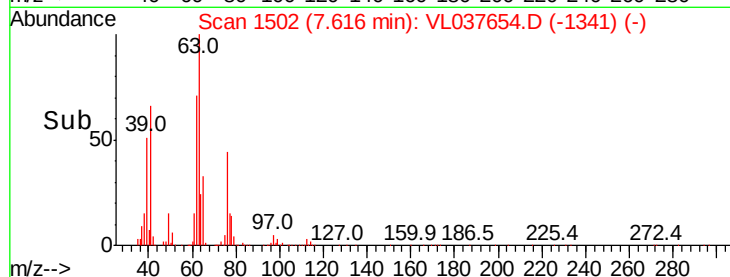
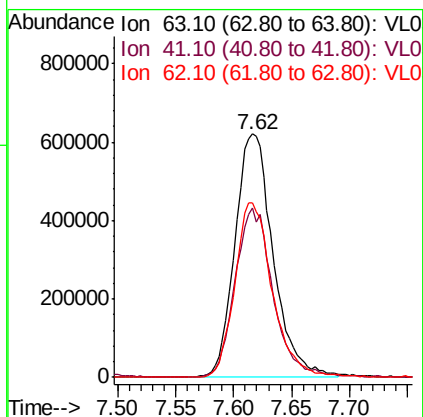
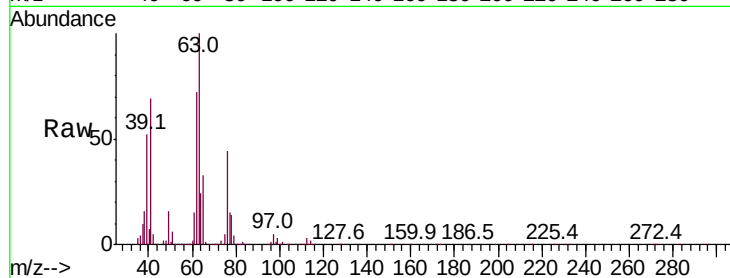
Tot Ion: 63 Resp: 1417469

Ion Ratio Lower Upper

63 100

41 69.3 51.6 77.4

62 71.5 54.6 81.8



#40

1,4-Dioxane

Concen: 5.145 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Tgt Ion: 88 Resp: 192246

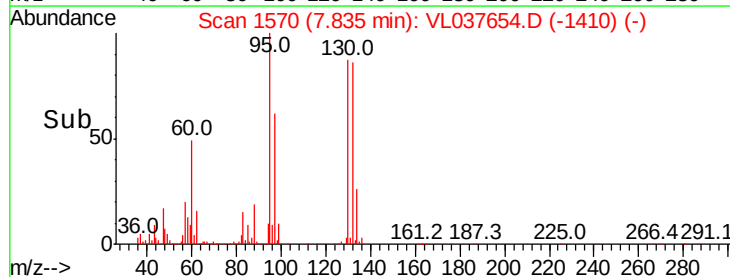
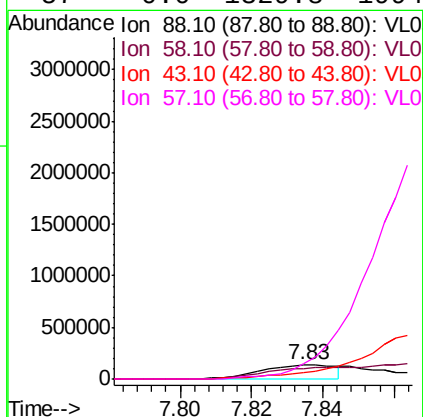
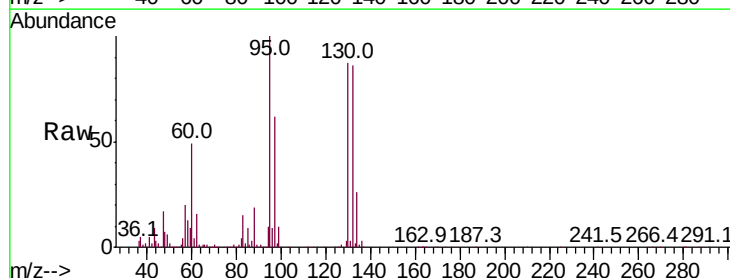
Ion Ratio Lower Upper

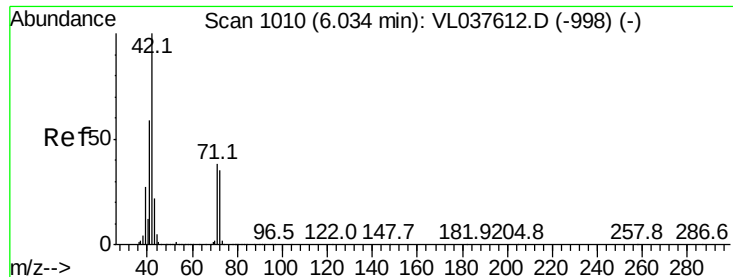
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#

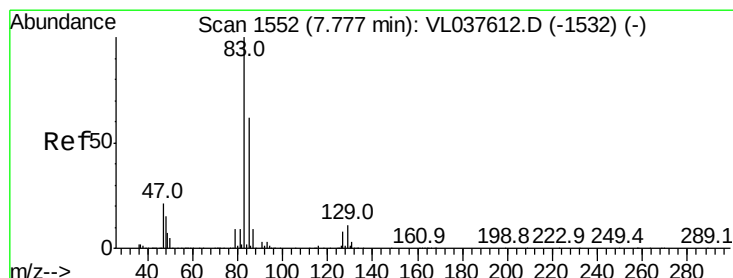
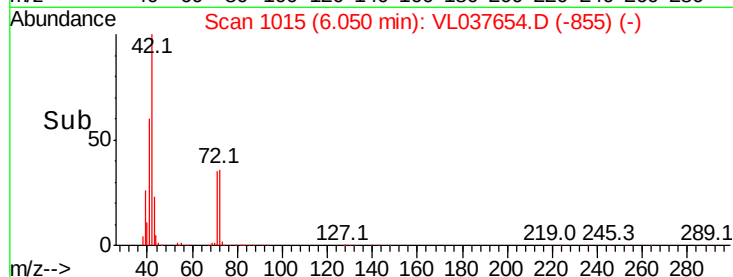
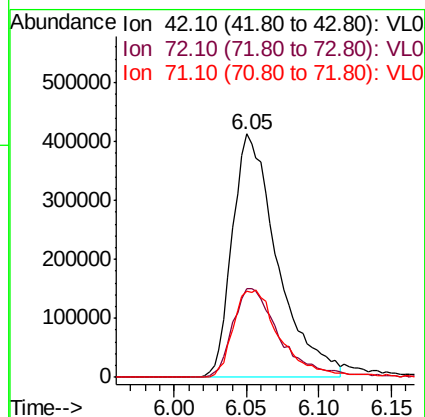
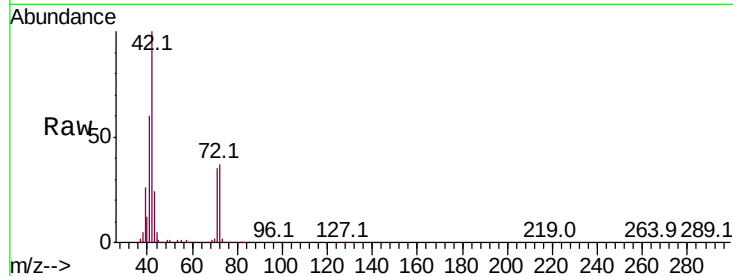




#41
Tetrahydrofuran
Concen: 9.695 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

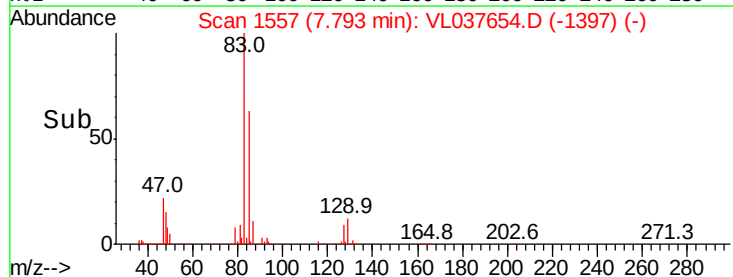
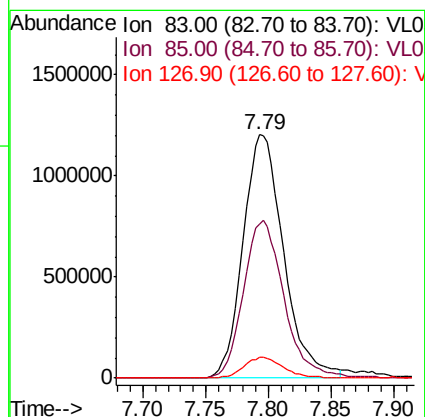
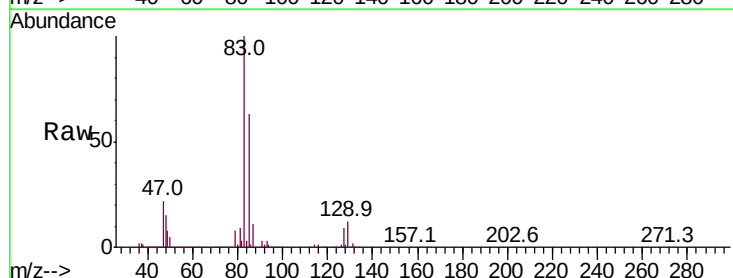
Instrument :
MSVOA_L
ClientSampled :

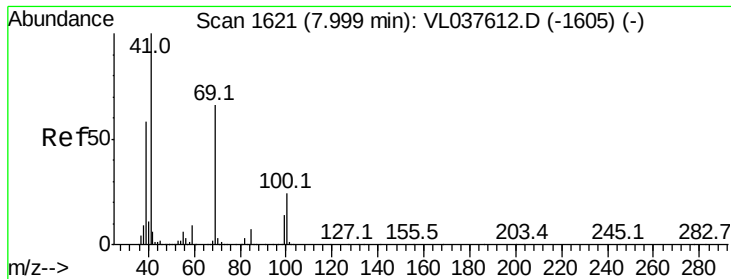
Tot Ion: 42 Resp: 890778
Ion Ratio Lower Upper
42 100
72 38.6 31.4 47.2
71 37.8 30.6 46.0



#42
Bromodichloromethane
Concen: 9.590 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 83 Resp: 2711263
Ion Ratio Lower Upper
83 100
85 63.5 49.8 74.6
127 8.5 6.4 9.6

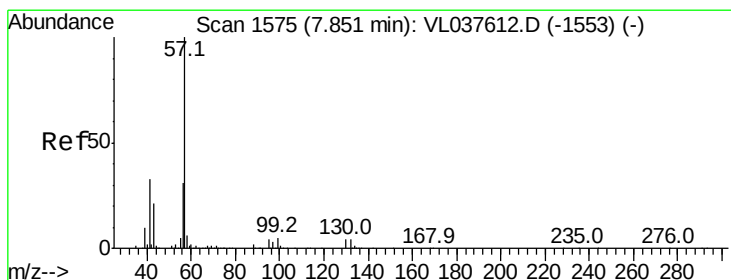
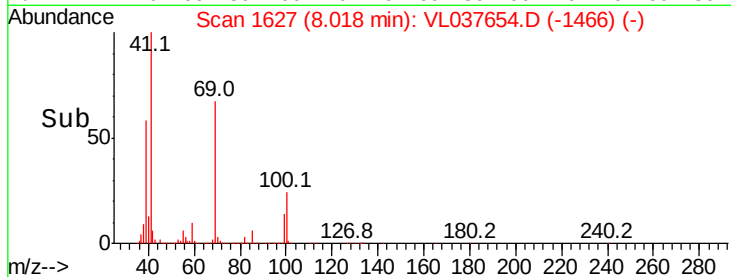
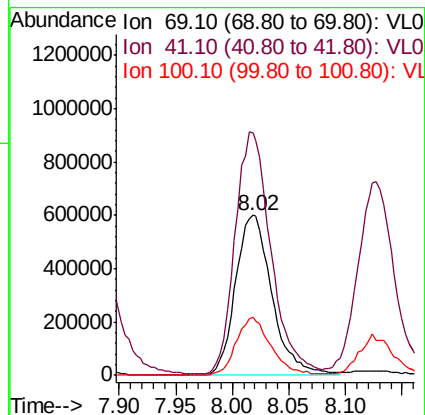
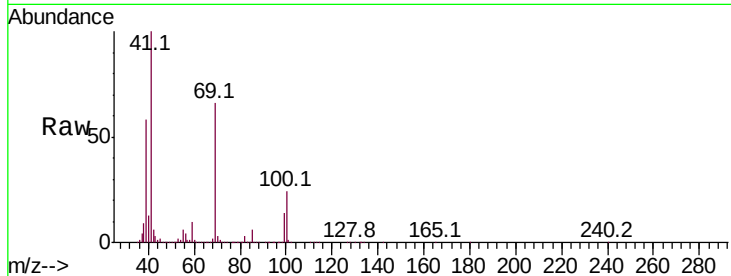




#43
Methyl Methacrylate
Concen: 10.138 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

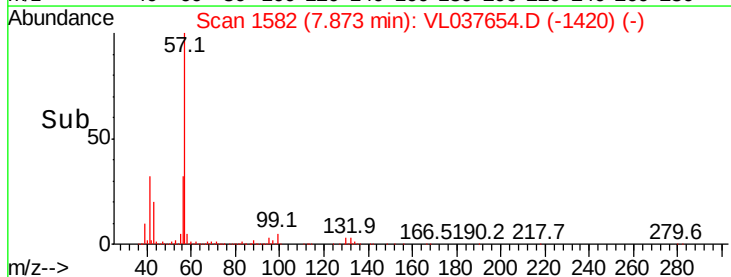
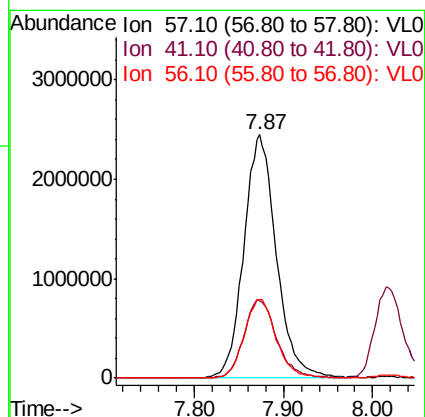
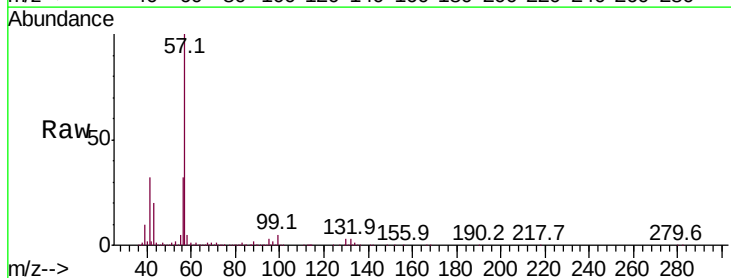
Instrument :
MSVOA_L
ClientSampleId :

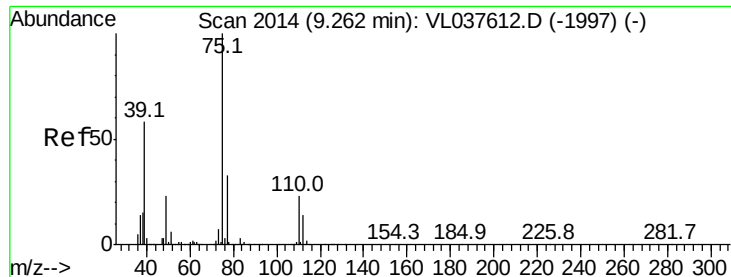
Tot Ion: 69 Resp: 1352640
Ion Ratio Lower Upper
69 100
41 150.1 119.0 178.4
100 34.7 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.191 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 57 Resp: 6197114
Ion Ratio Lower Upper
57 100
41 32.8 26.1 39.1
56 31.9 25.7 38.5

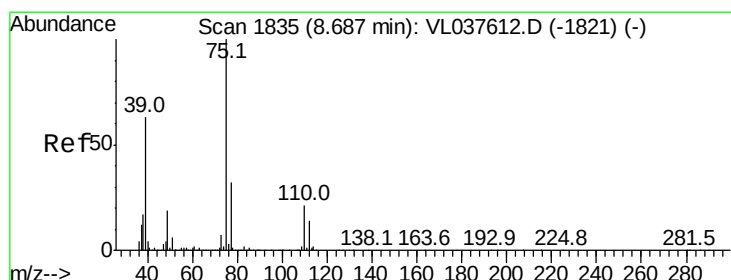
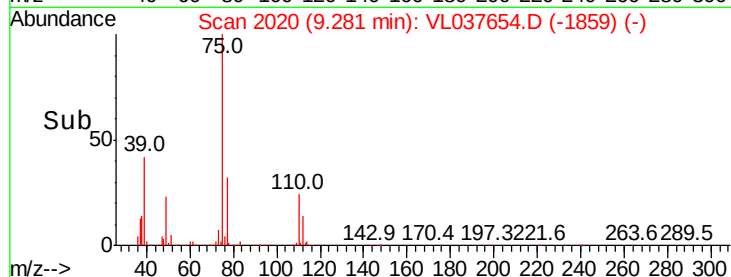
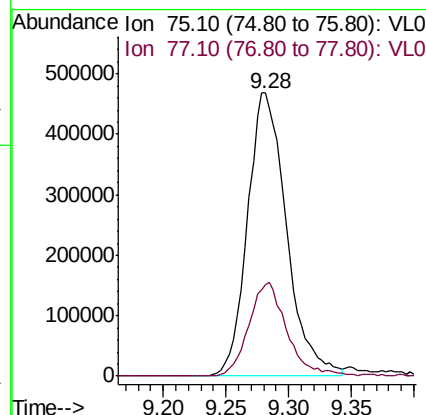
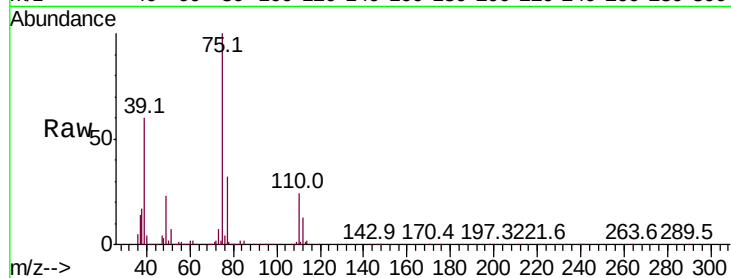




#45
 t-1,3-Dichloropropene
 Concen: 9.648 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

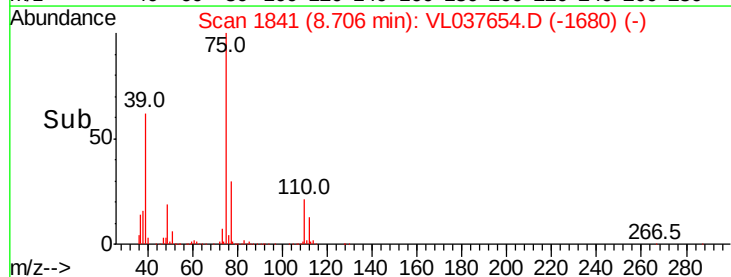
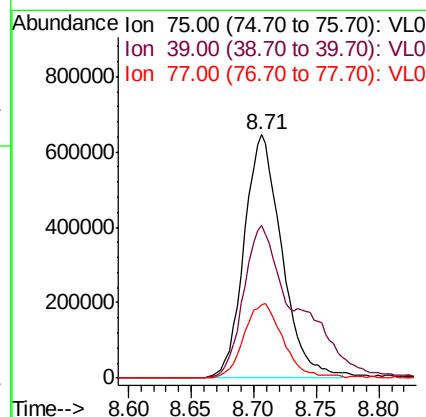
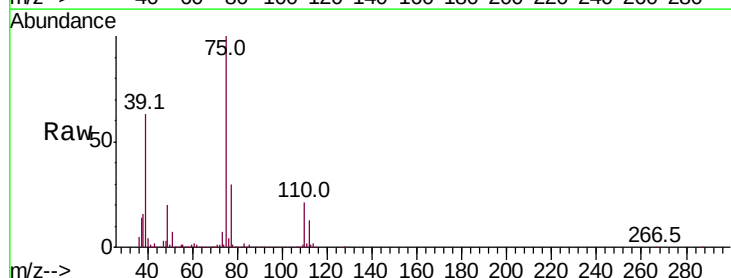
Instrument :
 MSVOA_L
 ClientSampled :

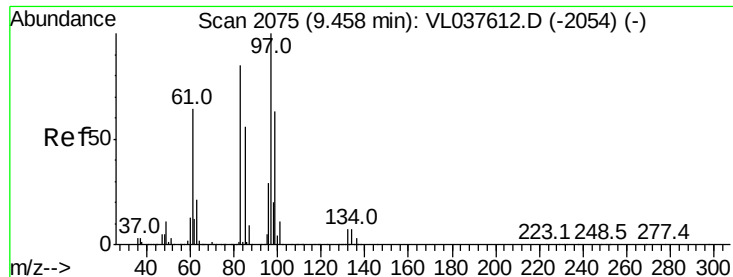
Tot Ion: 75 Resp: 1011141
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 9.548 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 75 Resp: 1351691
 Ion Ratio Lower Upper
 75 100
 39 62.5 50.2 75.4
 77 30.3 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 8.895 ppbv

RT: 9.48 min Scan# 2081

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1511422

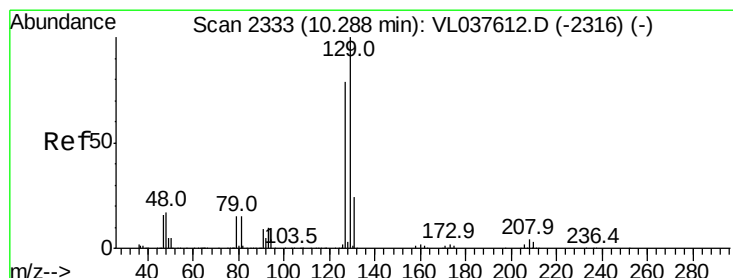
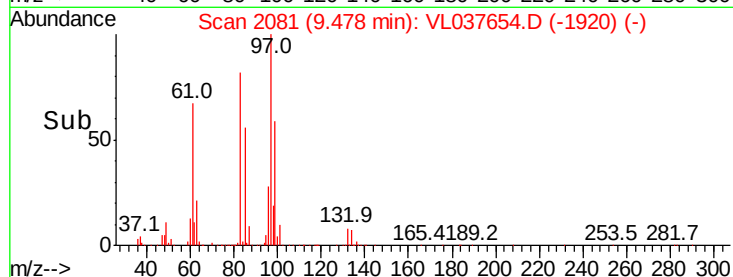
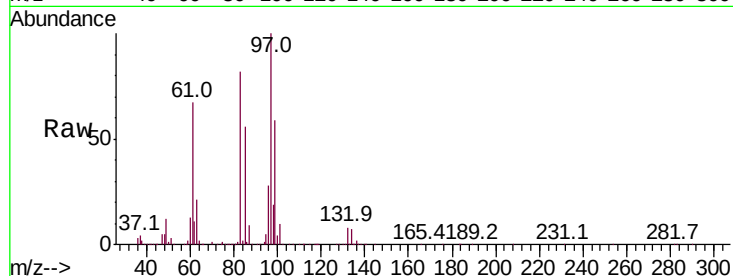
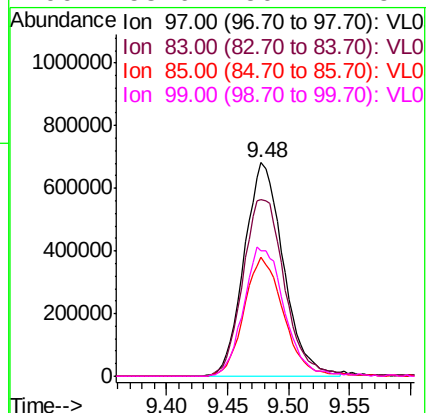
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.9	101.9
85	55.9	44.8	67.2
99	58.6	50.1	75.1

97 100

83 82.4 67.9 101.9

85 55.9 44.8 67.2

99 58.6 50.1 75.1



#48

Dibromochloromethane

Concen: 10.037 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.02 min

Lab File: VL037654.D

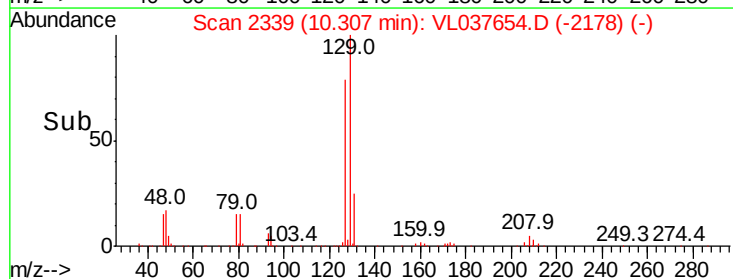
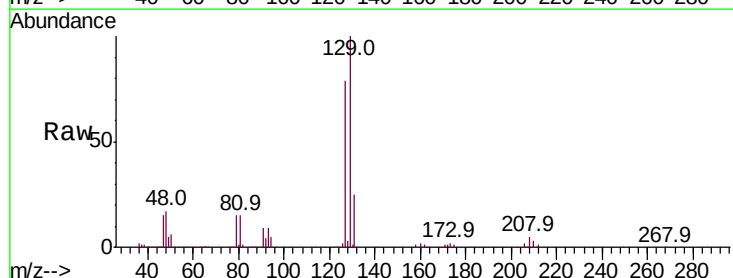
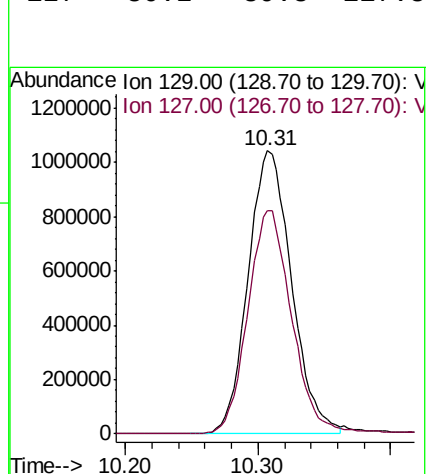
Acq: 23 Sep 2021 9:32

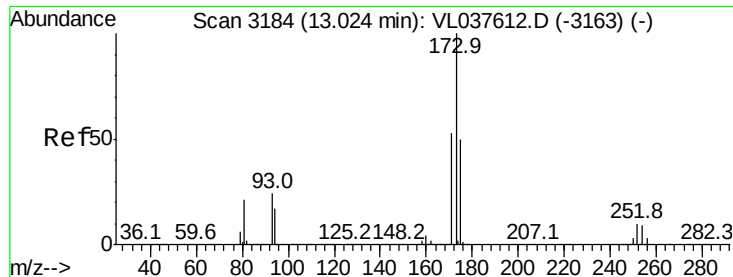
Tgt Ion: 129 Resp: 2379240

Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.3	117.8

129 100

127 80.2 39.3 117.8





#49

Bromoform

Concen: 10.250 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampled :

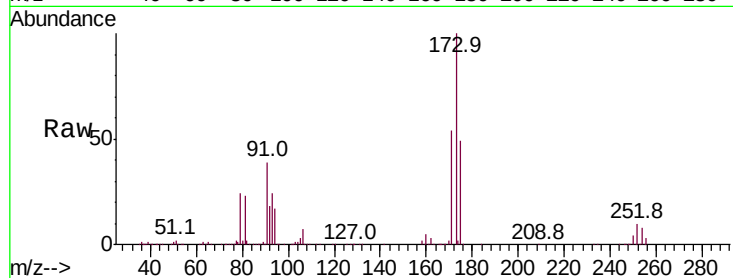
Tot Ion:173 Resp: 1944738

Ion Ratio Lower Upper

173 100

175 51.5 39.8 59.8

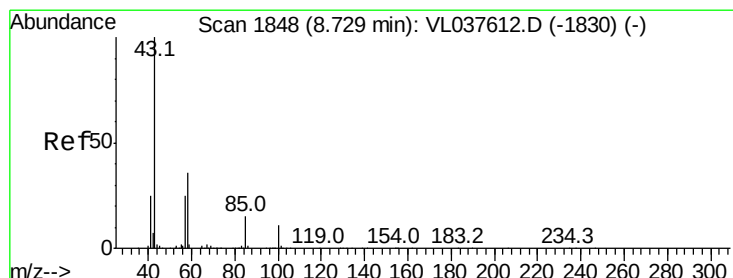
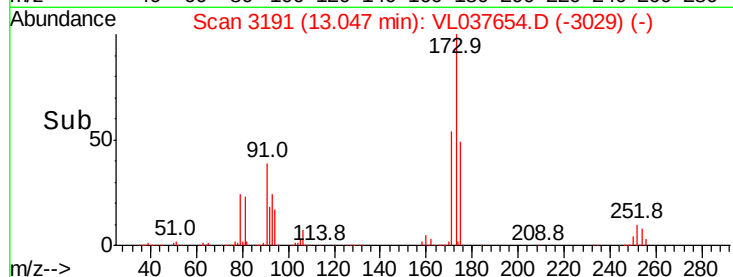
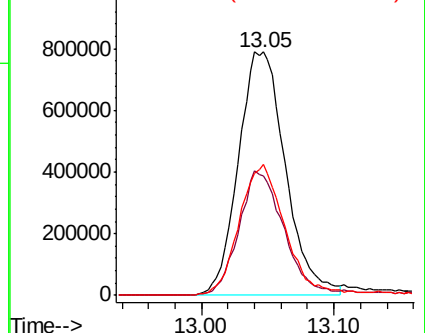
171 55.0 42.2 63.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.638 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037654.D

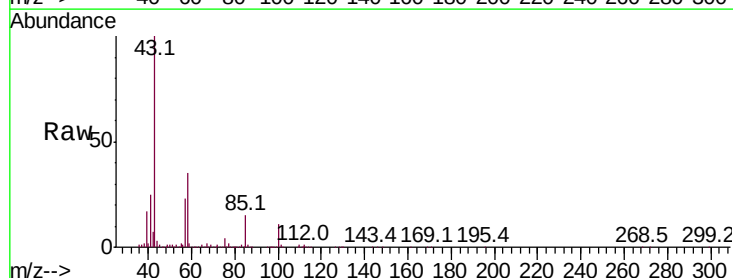
Acq: 23 Sep 2021 9:32

Tgt Ion: 43 Resp: 2391032

Ion Ratio Lower Upper

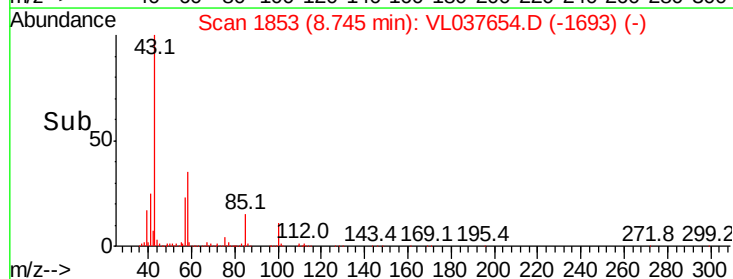
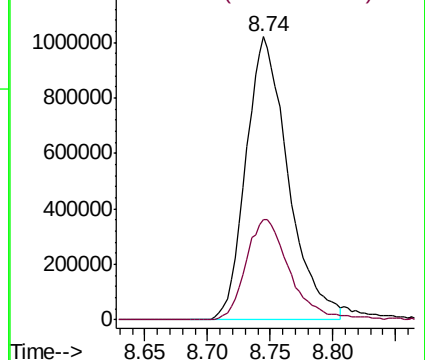
43 100

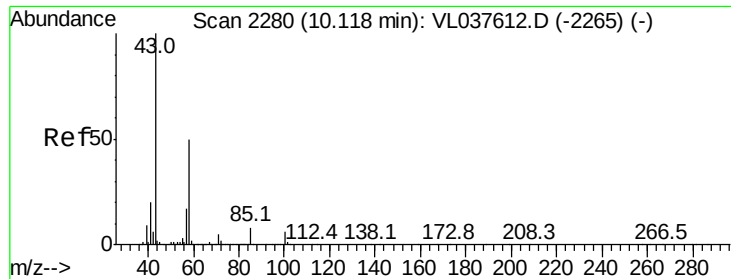
58 37.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

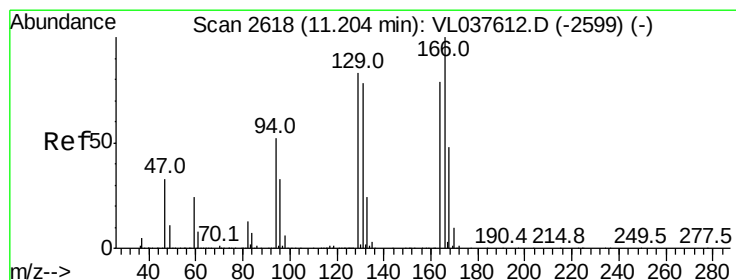
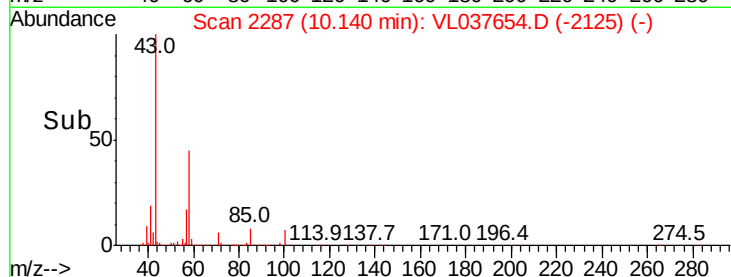
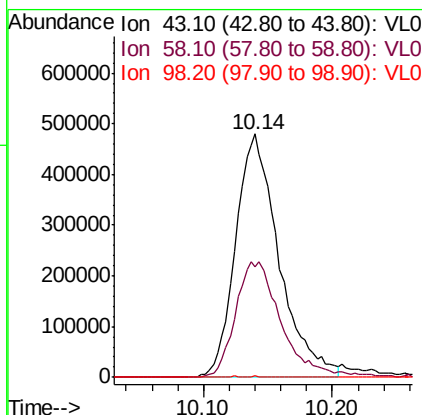
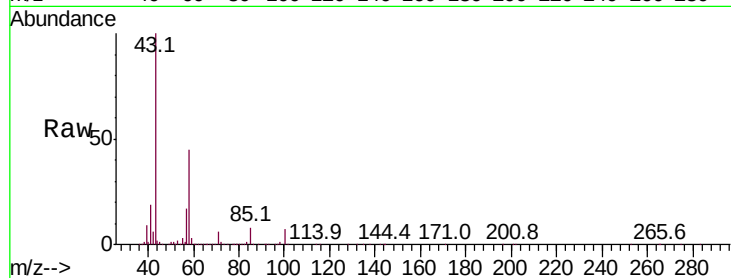




#51
2-Hexanone
Concen: 10.256 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

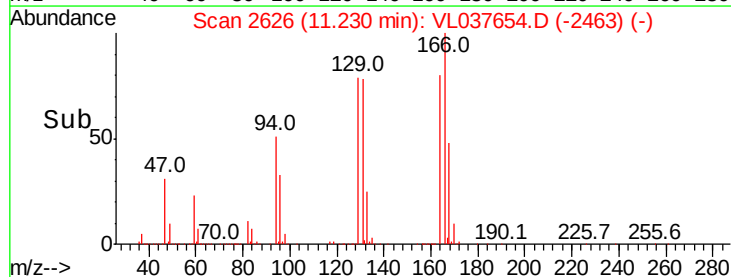
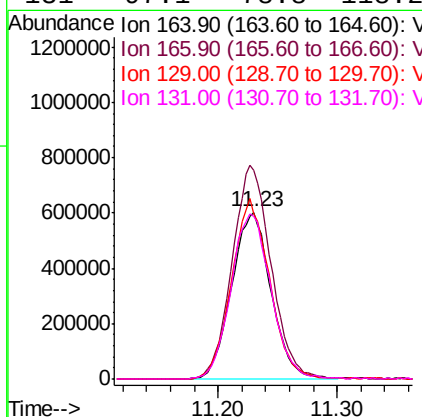
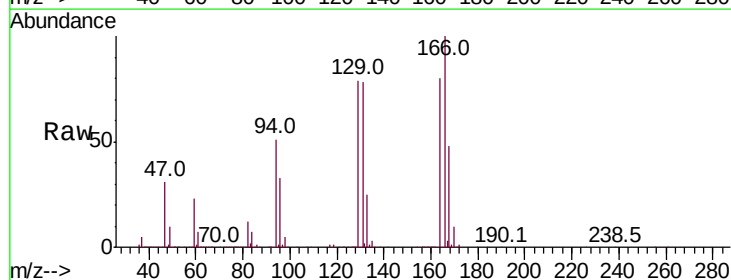
Instrument :
MSVOA_L
ClientSampled :

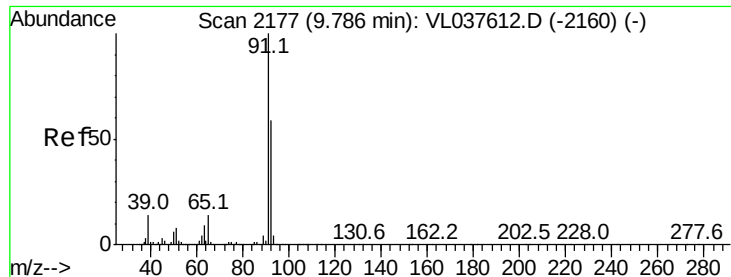
Tot Ion: 43 Resp: 1122553
Ion Ratio Lower Upper
43 100
58 50.7 39.3 58.9
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 8.922 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.03 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 164 Resp: 1373683
Ion Ratio Lower Upper
164 100
166 124.7 101.2 151.8
129 99.1 84.0 126.0
131 97.1 78.8 118.2





#53

Toluene

Concen: 9.713 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

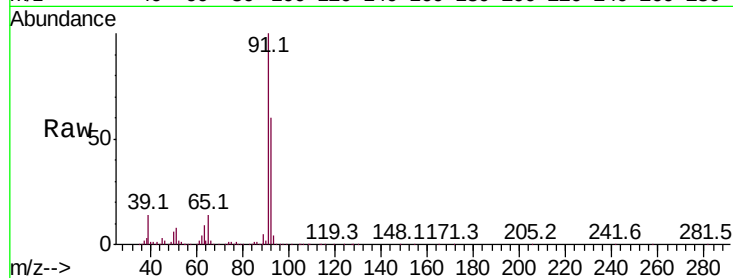
ClientSampleId :

Tot Ion: 91 Resp: 4330110

Ion Ratio Lower Upper

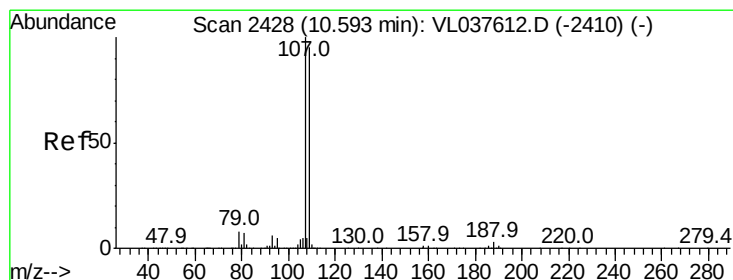
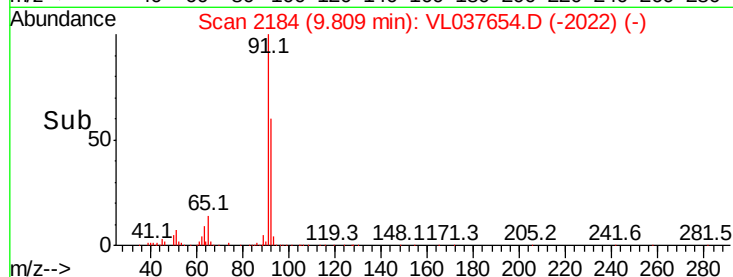
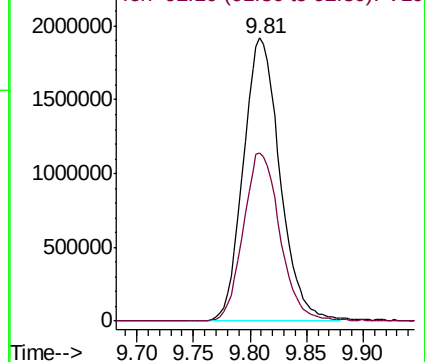
91 100

92 60.0 48.9 73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.171 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.02 min

Lab File: VL037654.D

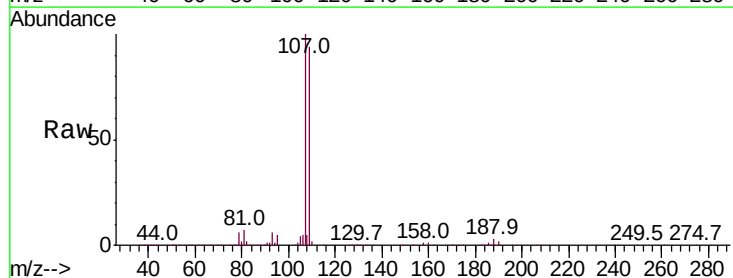
Acq: 23 Sep 2021 9:32

Tgt Ion: 107 Resp: 2133716

Ion Ratio Lower Upper

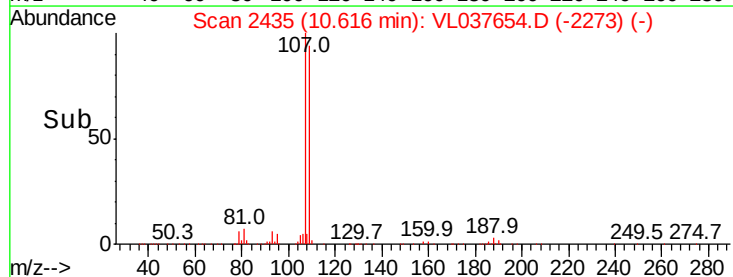
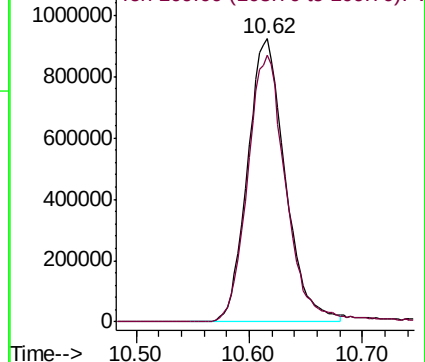
107 100

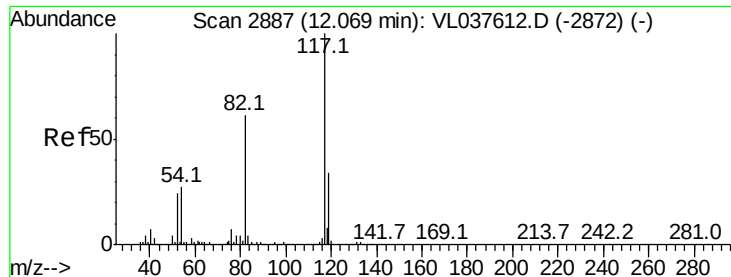
109 94.3 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

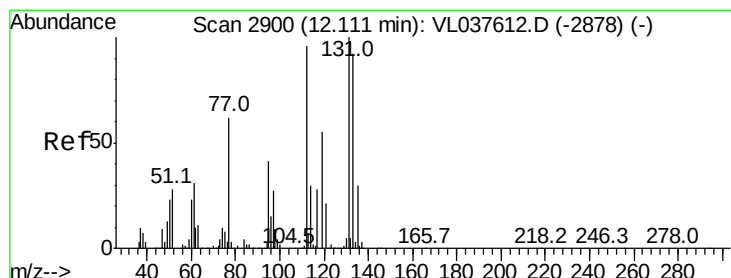
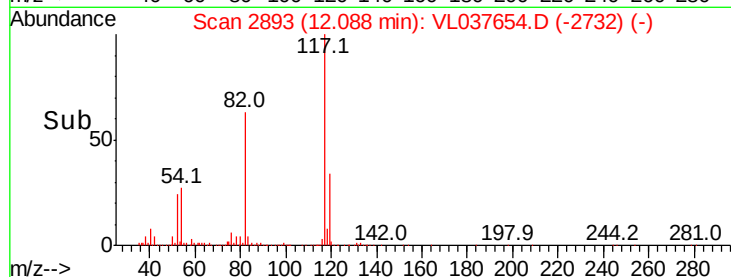
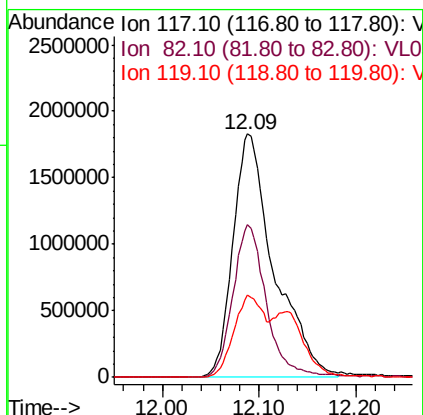
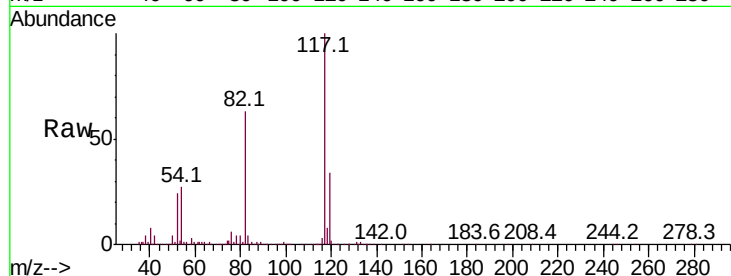




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

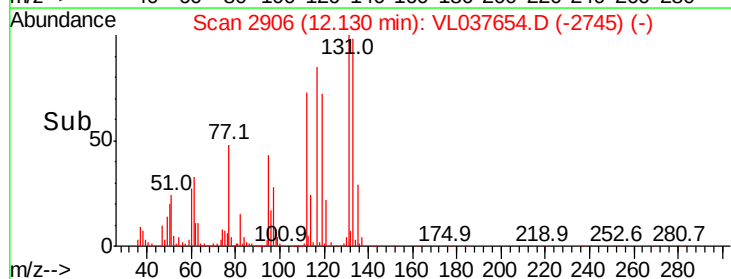
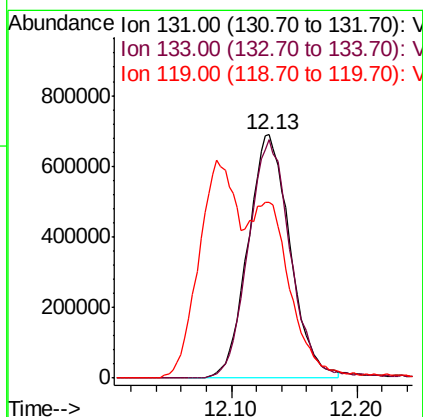
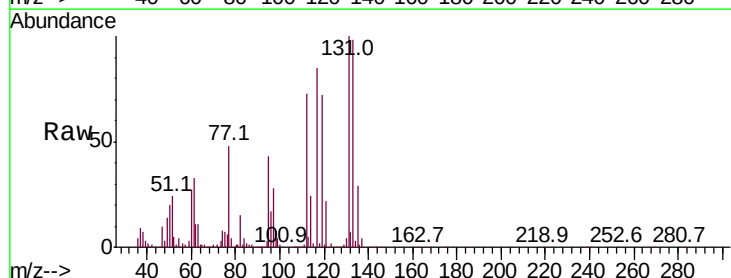
Instrument :
MSVOA_L
ClientSampleId :

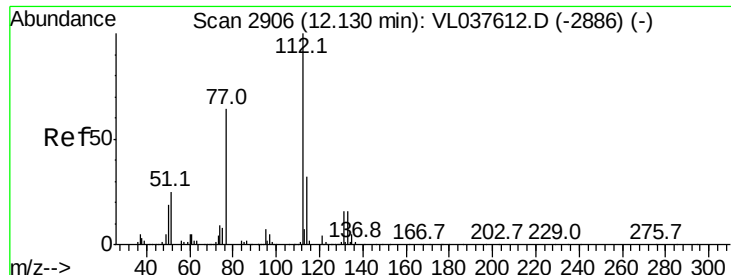
Tot Ion:117 Resp: 5404570
Ion Ratio Lower Upper
117 100
82 51.4 50.6 75.8
119 25.5 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.187 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion:131 Resp: 1611261
Ion Ratio Lower Upper
131 100
133 98.6 76.8 115.2
119 68.4 47.8 71.8

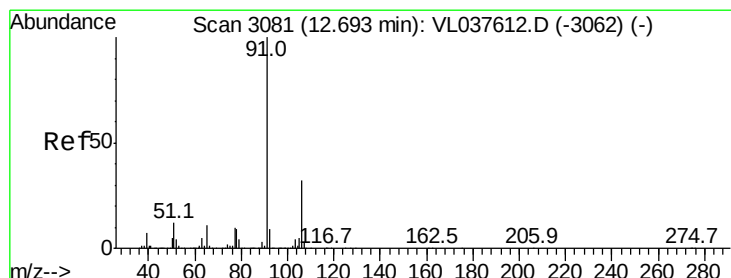
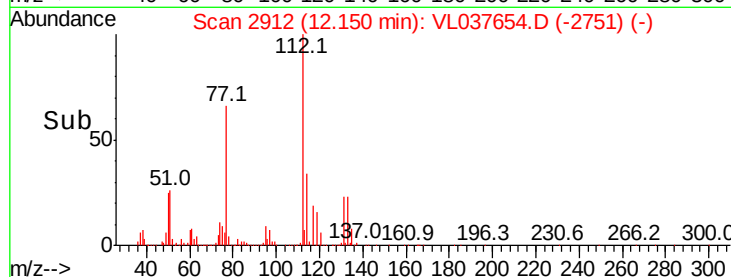
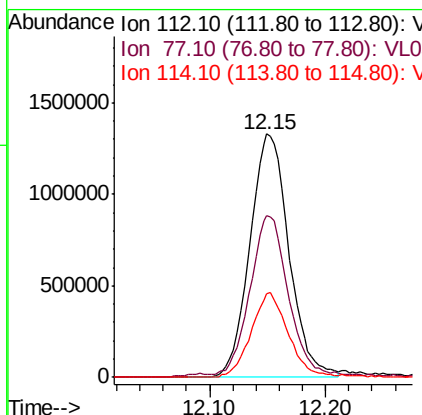
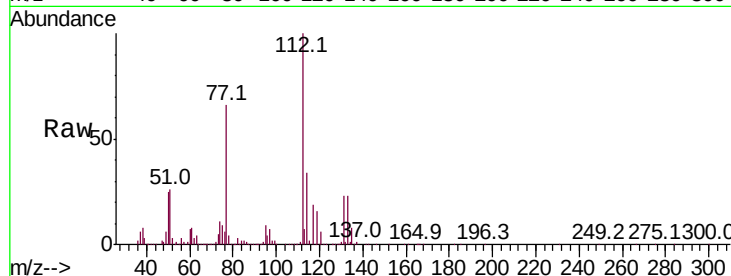




#57
Chlorobenzene
Concen: 6.935 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

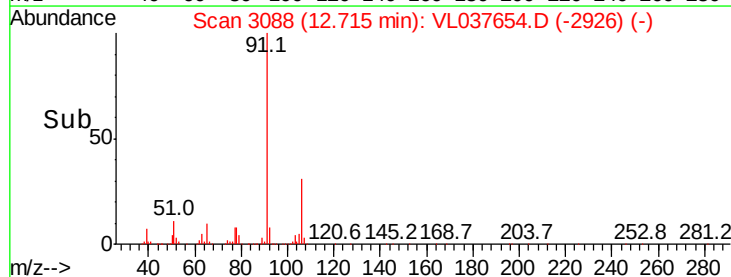
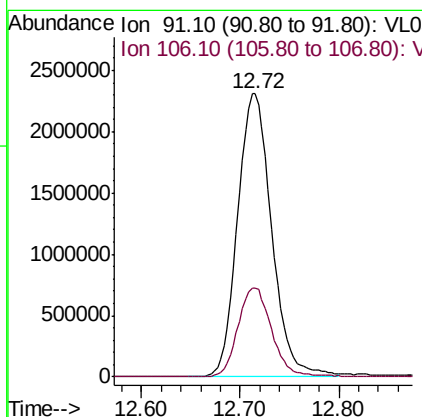
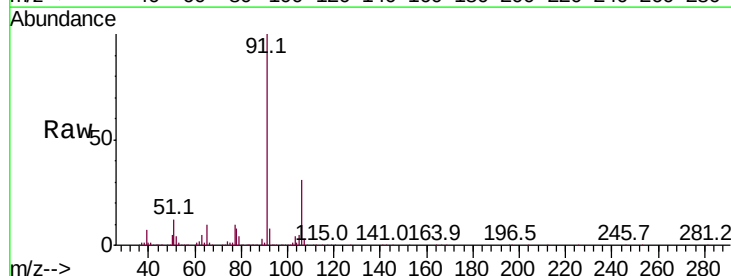
Instrument :
MSVOA_L
ClientSampleId :

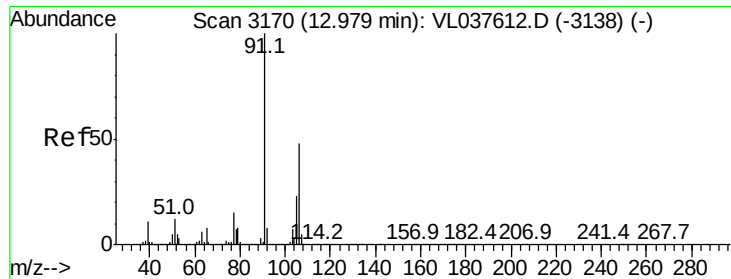
Tot Ion:112 Resp: 3116105
Ion Ratio Lower Upper
112 100
77 65.3 52.1 78.1
114 34.3 29.2 35.6



#58
Ethyl Benzene
Concen: 7.729 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 91 Resp: 5544786
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9





#59

m/p-Xylene

Concen: 7.973 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

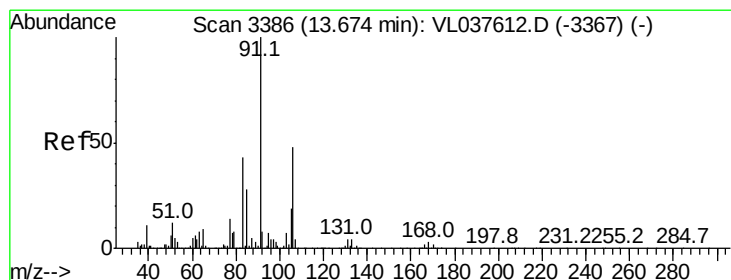
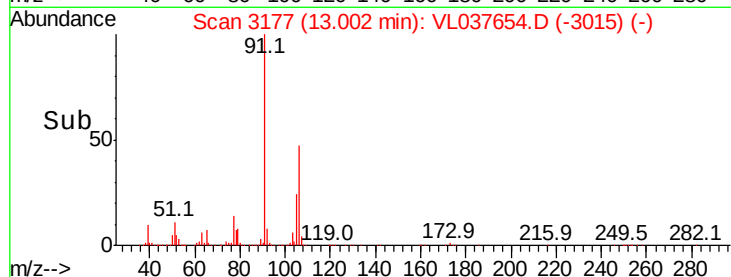
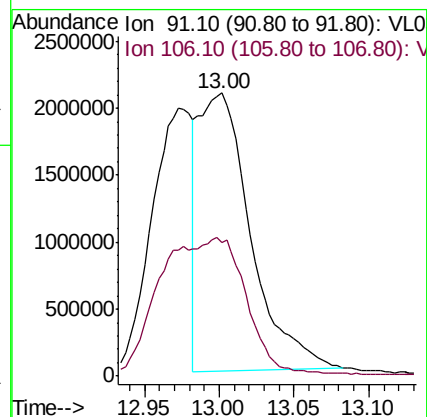
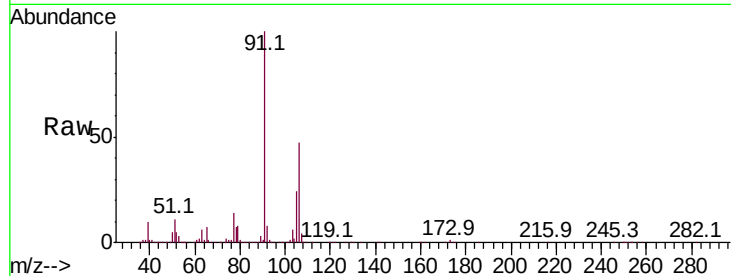
ClientSampleId :

Tot Ion: 91 Resp: 4984979

Ion Ratio Lower Upper

91 100

106 84.7 36.6 55.0#



#60

o-Xylene

Concen: 7.182 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.02 min

Lab File: VL037654.D

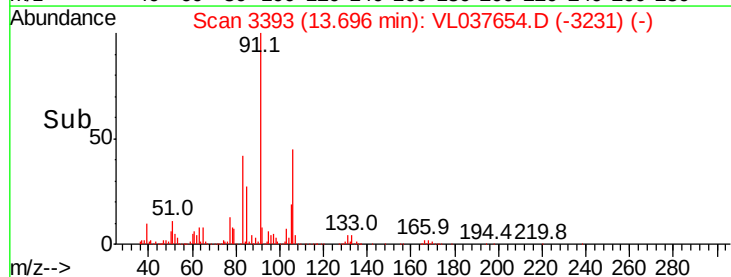
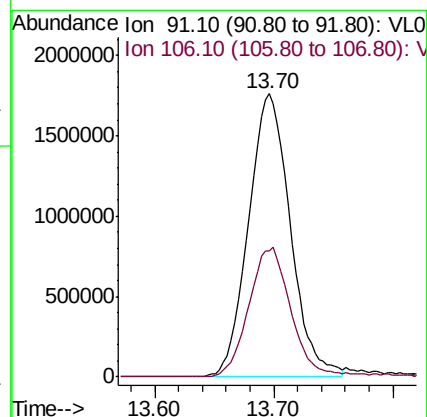
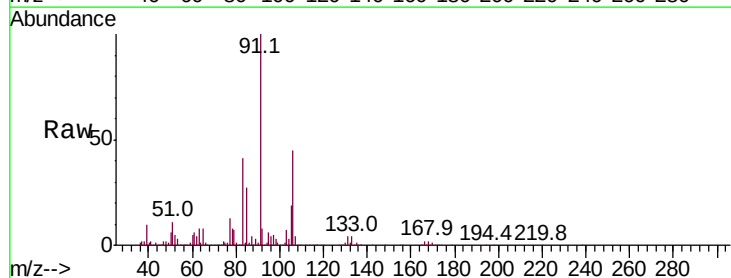
Acq: 23 Sep 2021 9:32

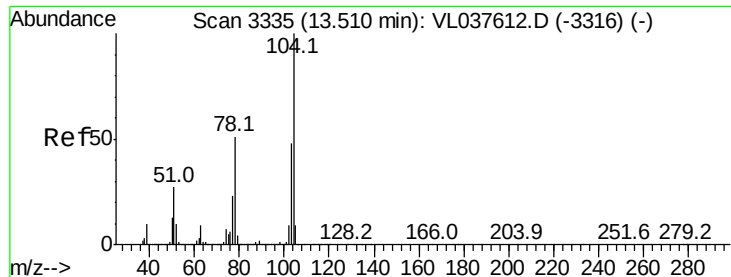
Tgt Ion: 91 Resp: 4273698

Ion Ratio Lower Upper

91 100

106 47.0 23.0 69.0

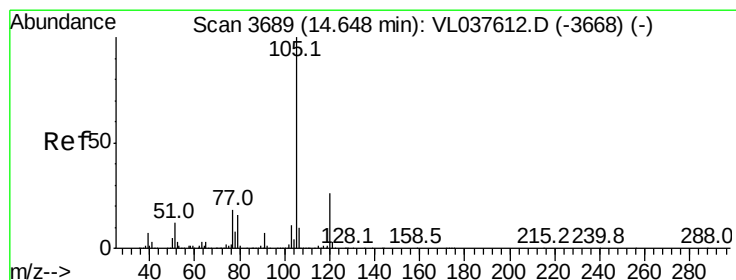
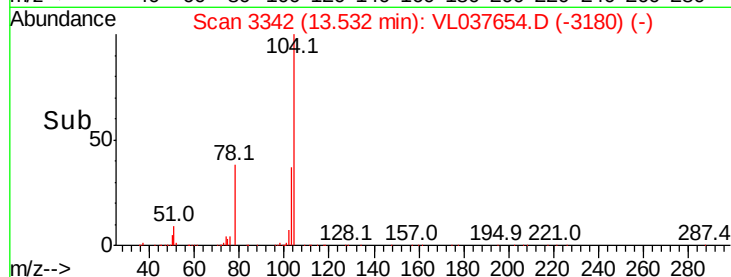
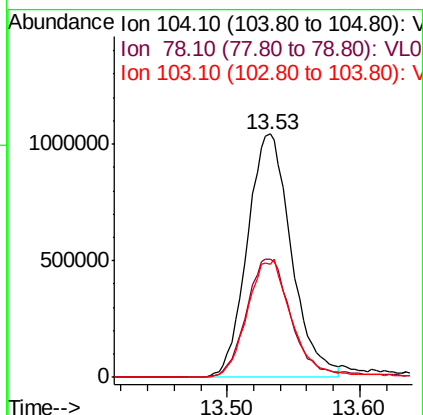
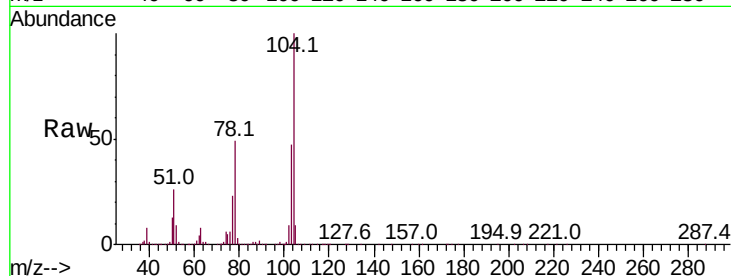




#61
Stvrene
Concen: 8.220 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

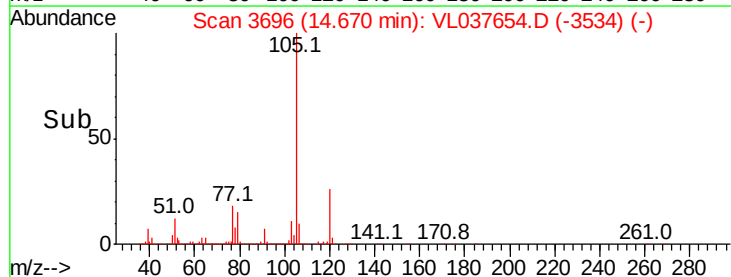
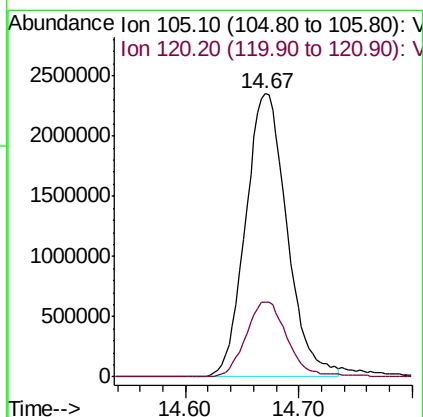
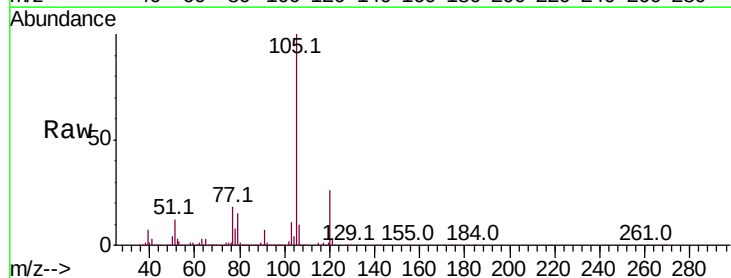
Instrument :
MSVOA_L
ClientSampleId :

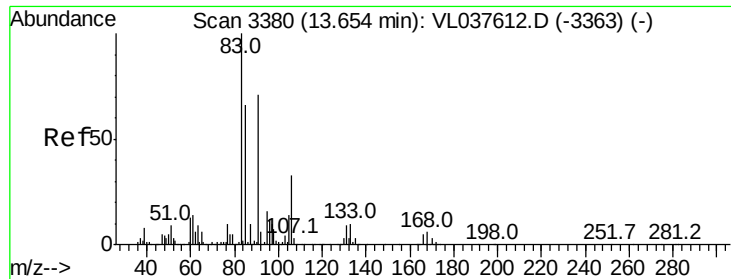
Tot Ion:104 Resp: 2412030
Ion Ratio Lower Upper
104 100
78 50.9 39.7 59.5
103 49.5 38.8 58.2



#62
Isopropylbenzene
Concen: 7.192 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion:105 Resp: 5978889
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 6.478 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

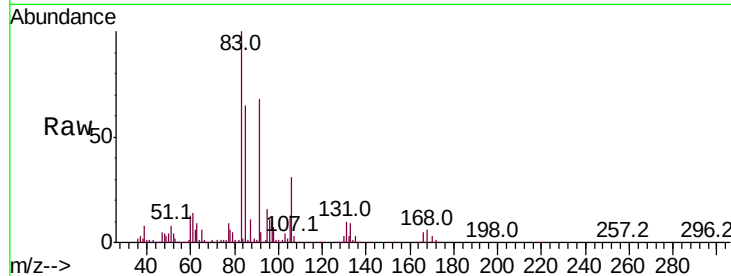
Tot Ion: 83 Resp: 3017025

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	68.1	33.3	99.9

83 100

131 10.2 5.1 15.3

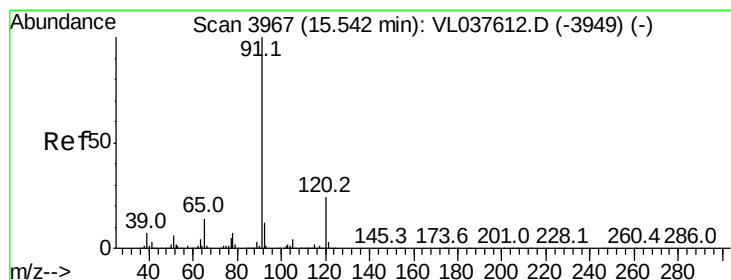
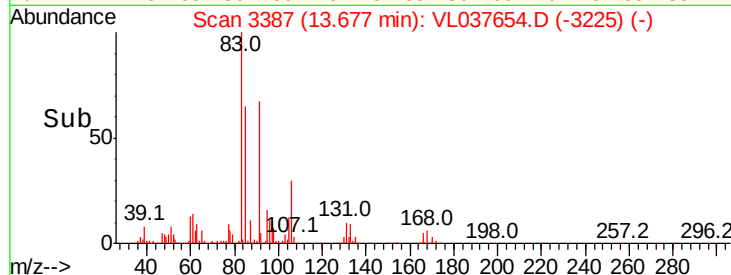
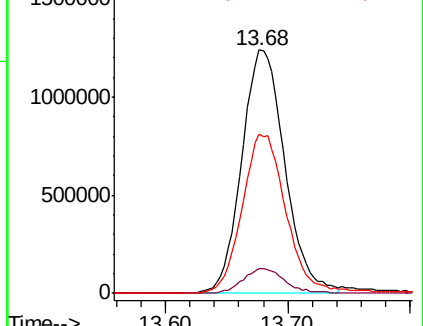
85 68.1 33.3 99.9



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: 7.420 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.02 min

Lab File: VL037654.D

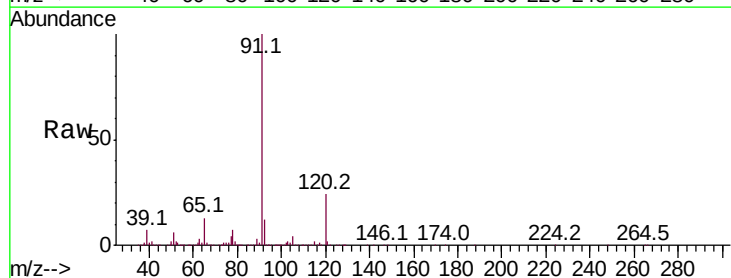
Acq: 23 Sep 2021 9:32

Tgt Ion:120 Resp: 1591669

Ion	Ratio	Lower	Upper
120	100		
91	460.9	345.0	517.4

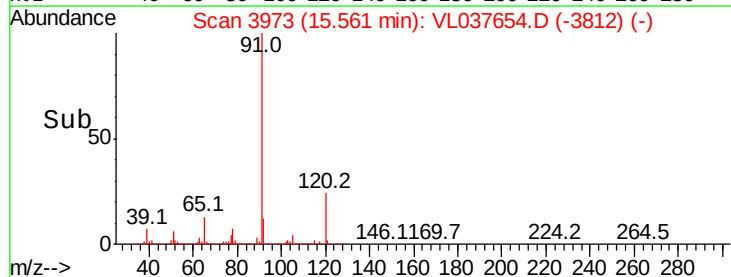
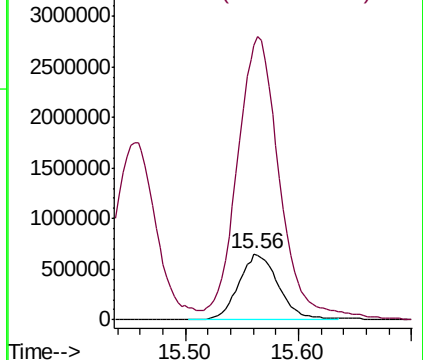
120 100

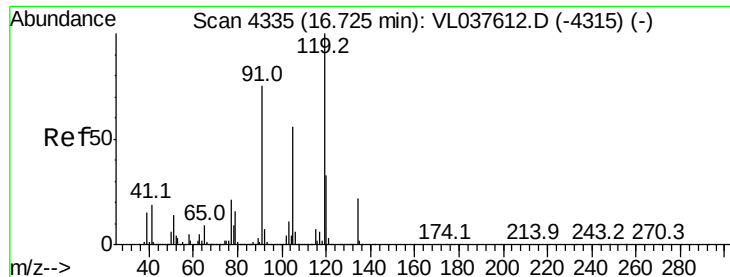
91 460.9 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.015 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

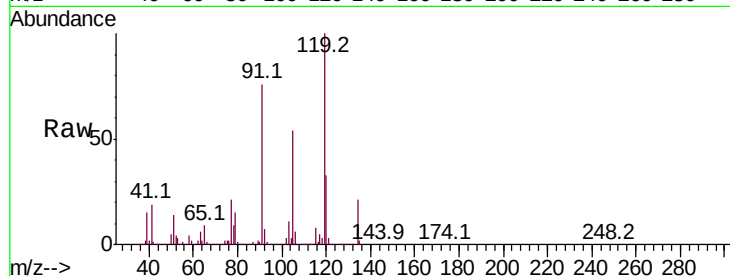
Tot Ion:119 Resp: 5257831

Ion	Ratio	Lower	Upper
119	100		
91	76.6	61.9	92.9
134	20.4	16.5	24.7

119 100

91 76.6 61.9 92.9

134 20.4 16.5 24.7

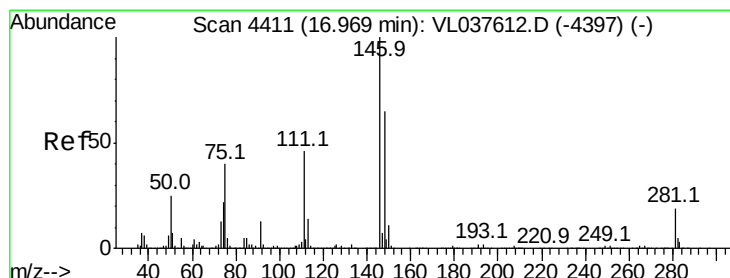
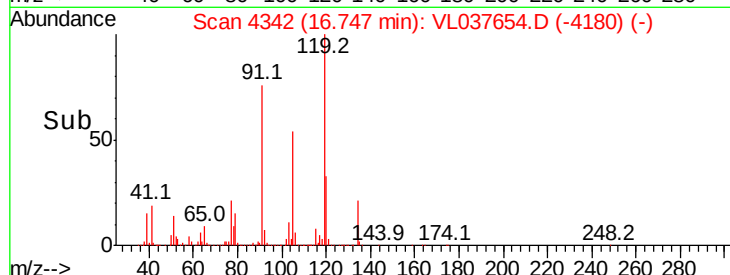
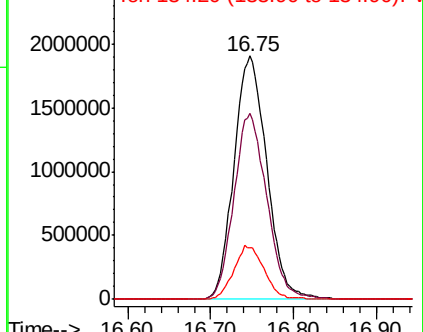


Abundance

Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 6.880 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

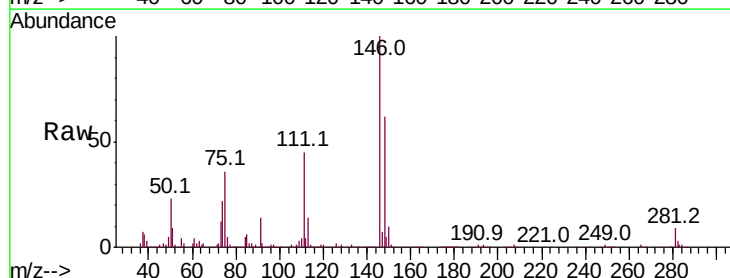
Tgt Ion: 91 Resp: 281815

Ion	Ratio	Lower	Upper
91	100		
126	18.4	14.4	21.6
128	7.2	5.7	8.5

91 100

126 18.4 14.4 21.6

128 7.2 5.7 8.5

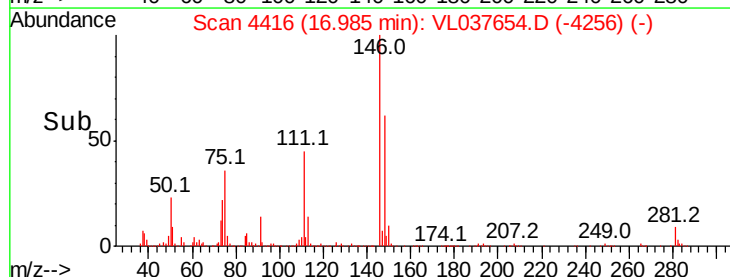
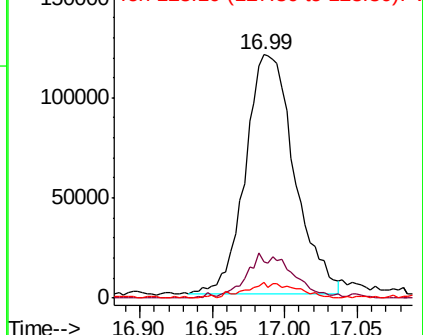


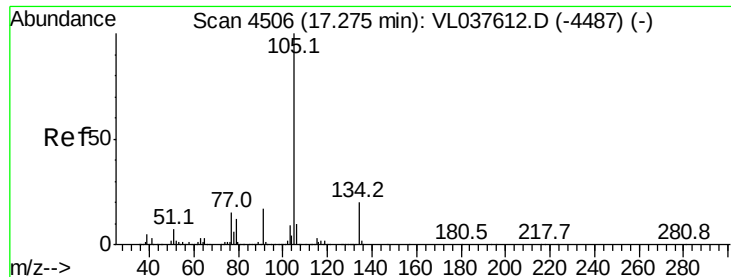
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.121 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

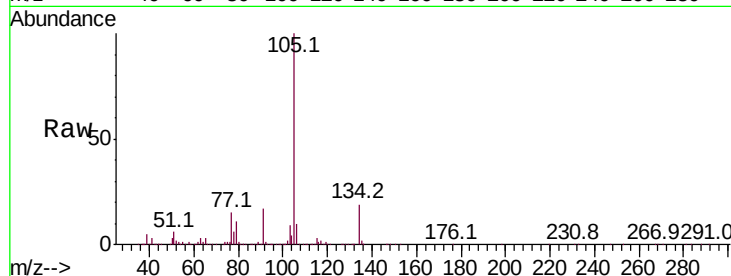
ClientSampleId :

Tot Ion:105 Resp: 7241299

Ion Ratio Lower Upper

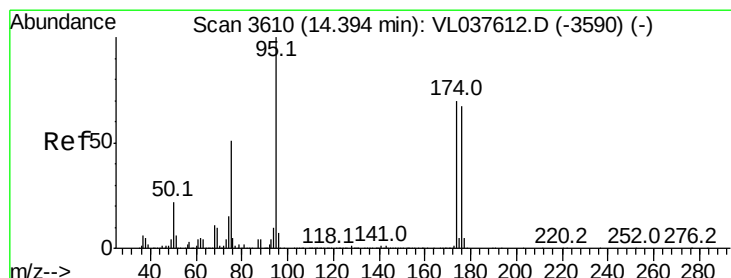
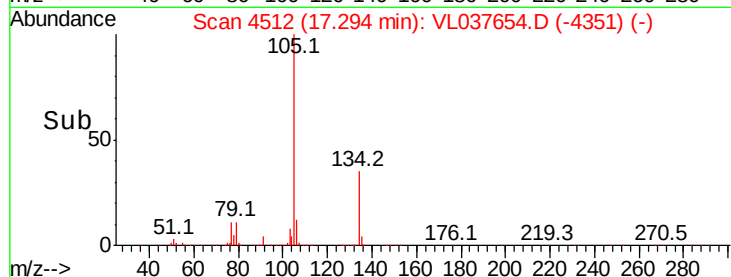
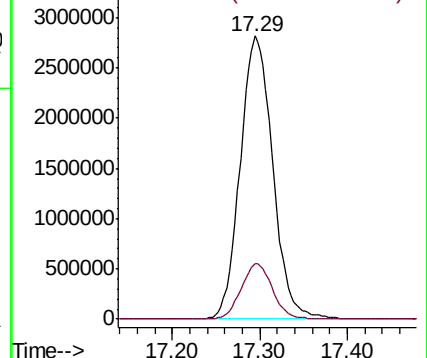
105 100

134 19.0 15.7 23.5



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: 8.297 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

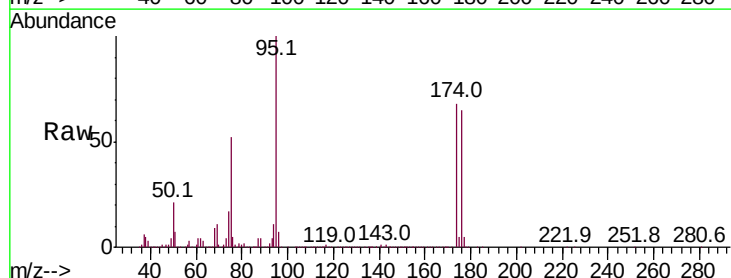
Tgt Ion: 95 Resp: 3240764

Ion Ratio Lower Upper

95 100

174 72.8 56.3 84.5

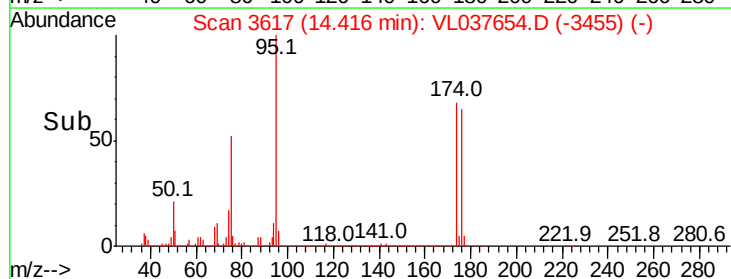
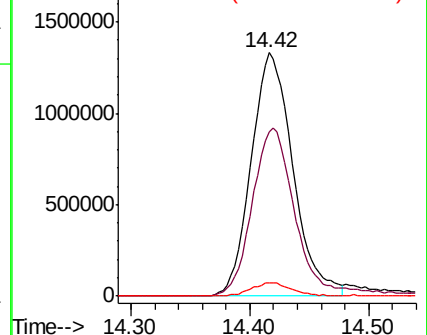
175 5.6 4.4 6.6

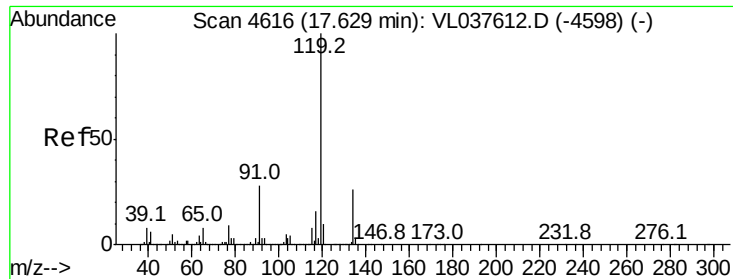


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



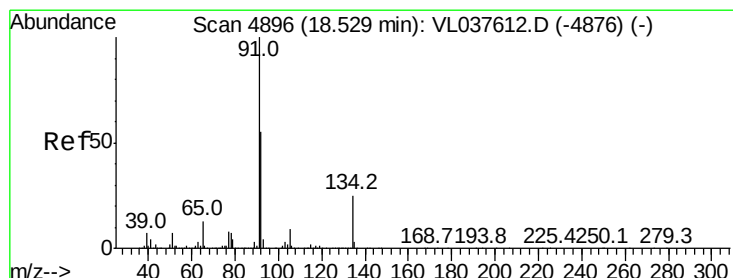
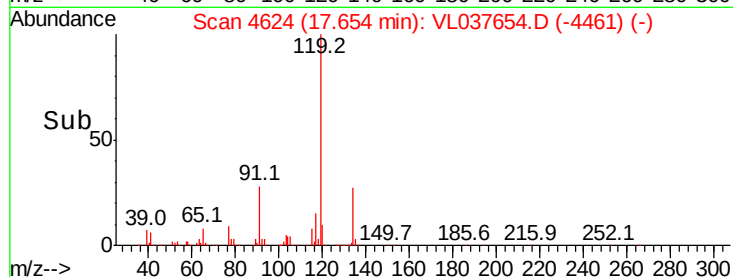
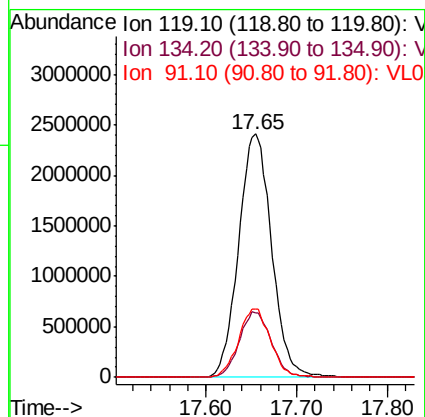
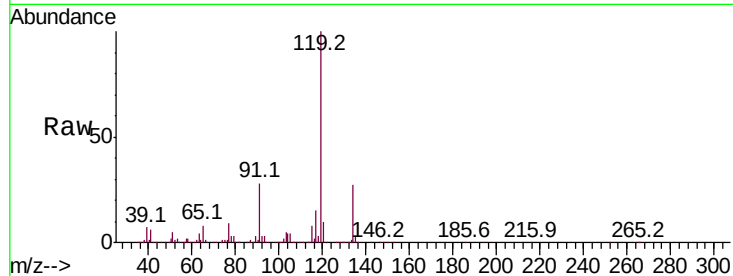


#69
 p-Isopropyltoluene
 Concen: 7.300 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.03 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6064450

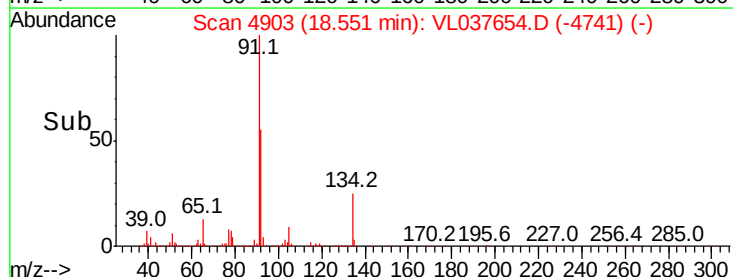
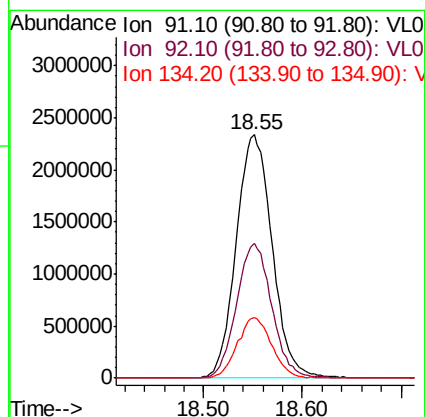
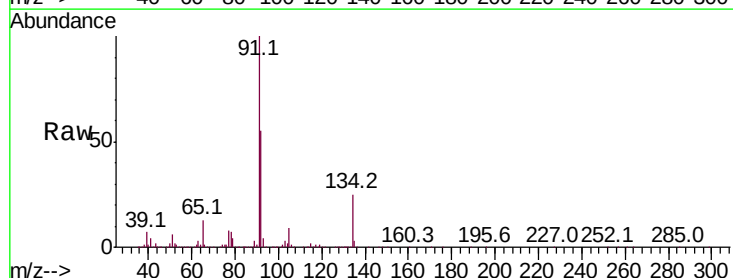
Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.2	31.8
91	27.5	22.2	33.2

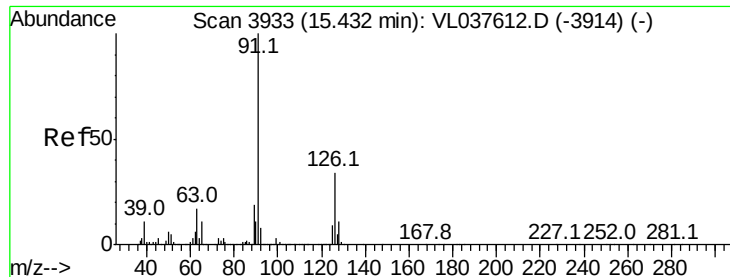


#70
 n-Butylbenzene
 Concen: 7.518 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 91 Resp: 5909781

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	24.3	19.5	29.3





#71

2-Chlorotoluene

Concen: 7.319 ppbv

RT: 15.45 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

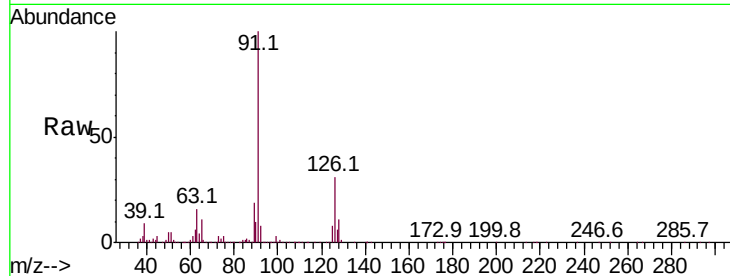
ClientSampleId :

Tot Ion: 91 Resp: 4360392

Ion Ratio Lower Upper

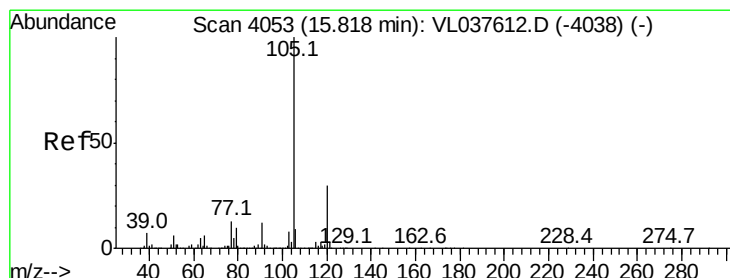
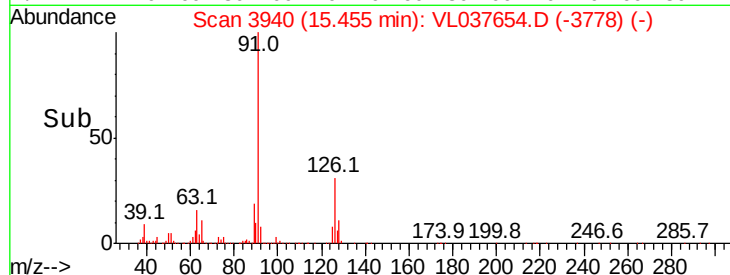
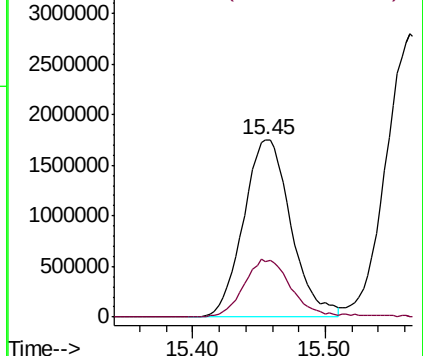
91 100

126 33.8 13.2 52.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.677 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Tgt Ion:105 Resp: 5243799

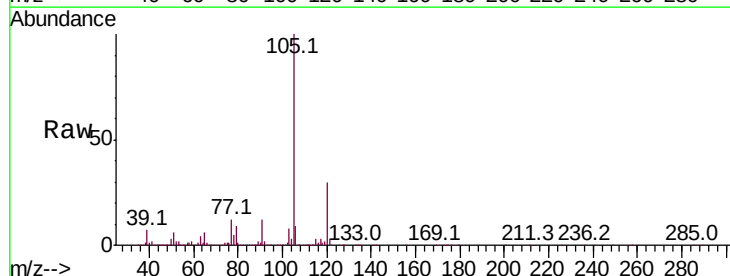
Ion Ratio Lower Upper

105 100

120 30.4 24.7 37.1

91 11.8 9.9 14.9

77 13.3 10.5 15.7

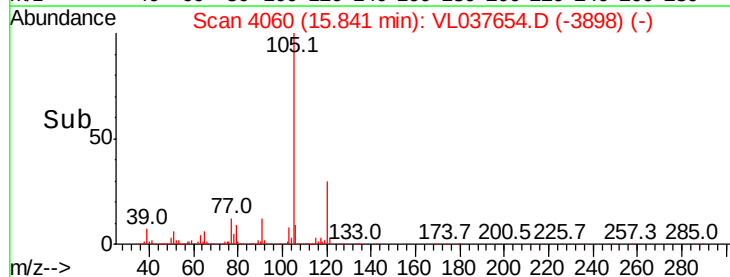
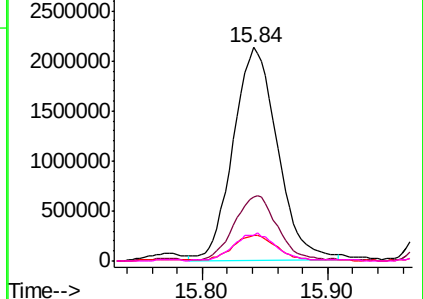


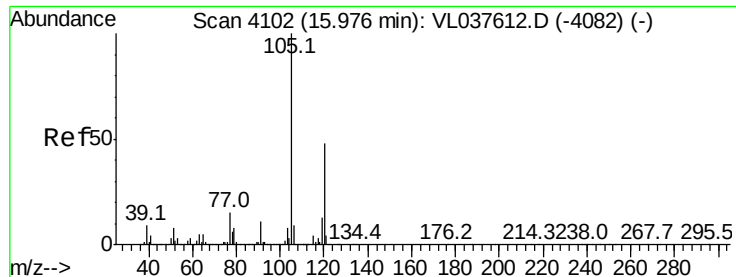
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.250 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.03 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

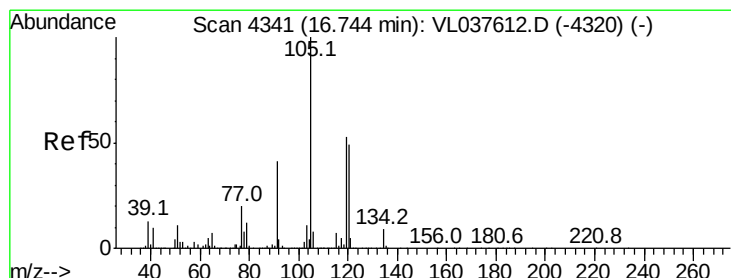
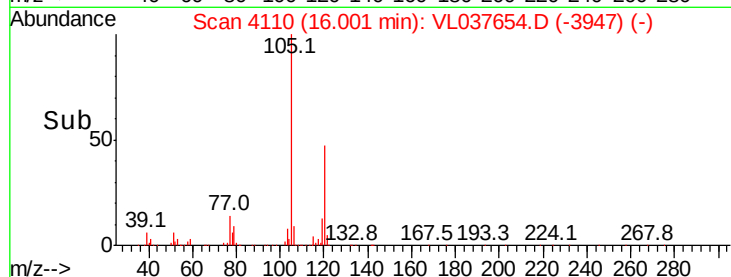
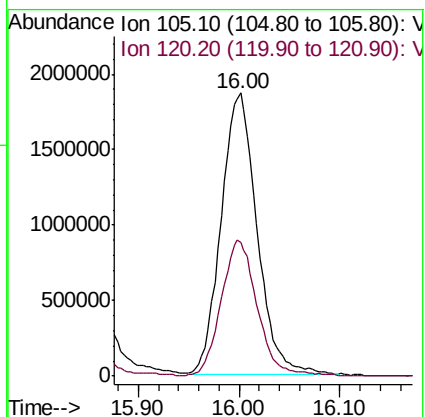
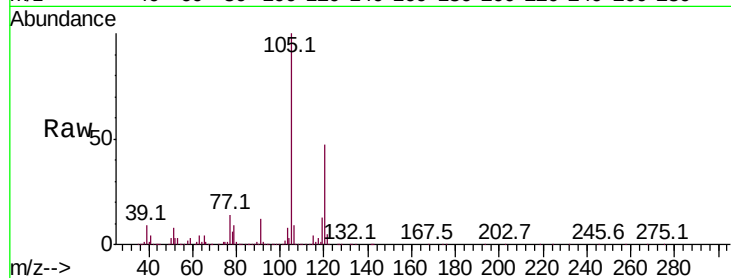
ClientSampleId :

Tot Ion:105 Resp: 4616219

Ion Ratio Lower Upper

105 100

120 47.3 38.3 57.5



#74

1,2,4-Trimethylbenzene

Concen: 7.042 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Tgt Ion:105 Resp: 4722753

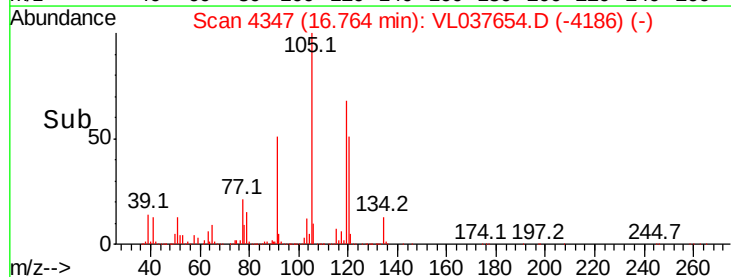
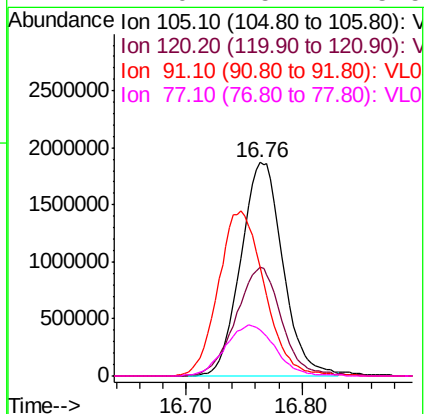
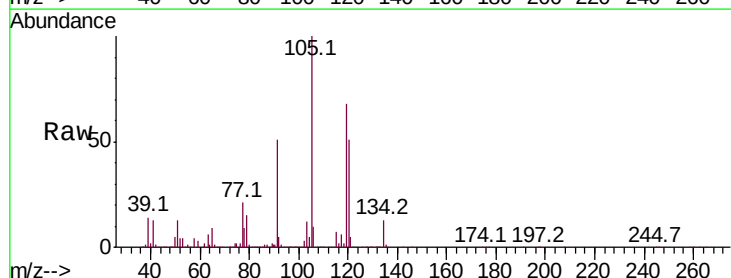
Ion Ratio Lower Upper

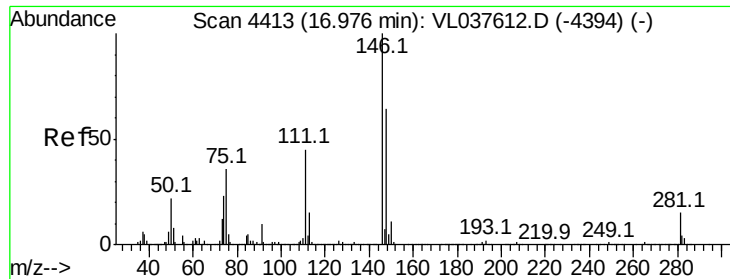
105 100

120 50.3 39.4 59.0

91 50.4 33.3 49.9#

77 21.0 15.7 23.5

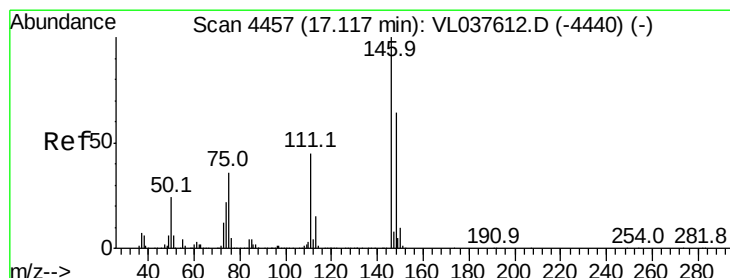
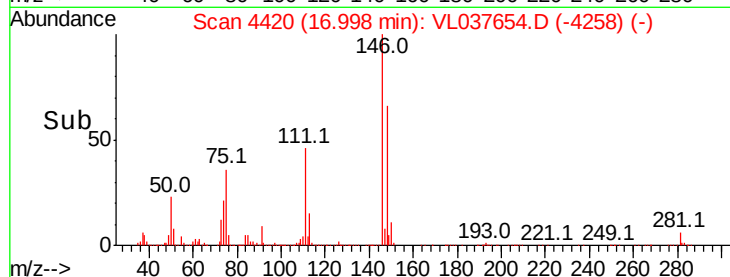
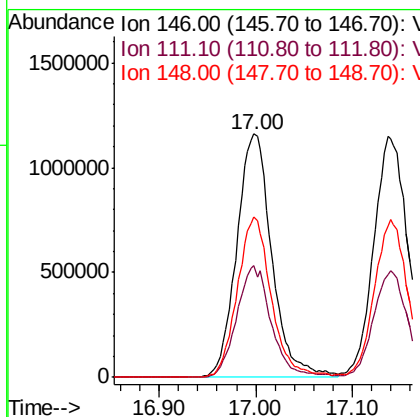
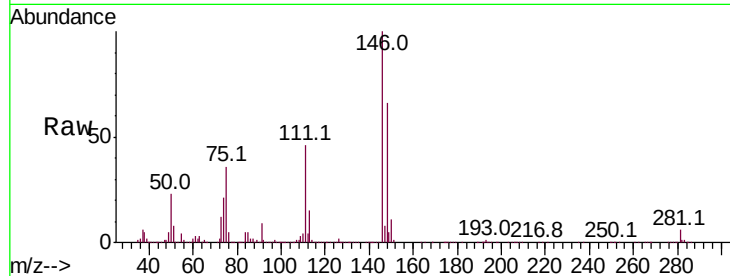




#75
 1,3-Dichlorobenzene
 Concen: 7.031 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

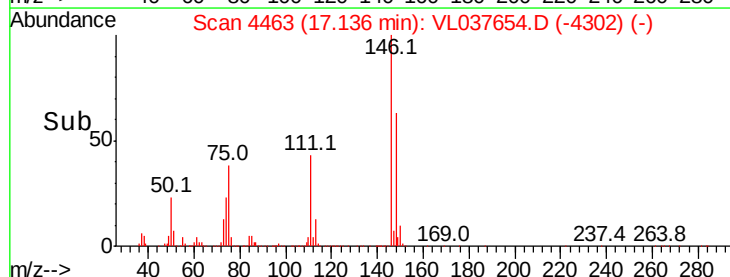
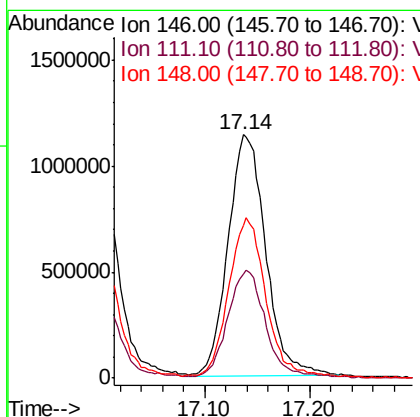
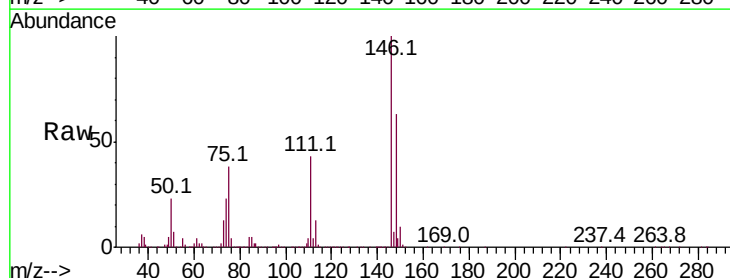
Instrument :
 MSVOA_L
 ClientSampleId :

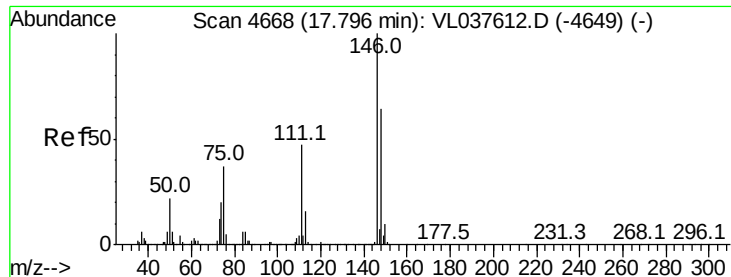
Tot Ion:146 Resp: 2929452
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.8 68.3
 148 63.9 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 6.835 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion:146 Resp: 2808774
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.5 67.5
 148 65.9 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 7.036 ppbv

RT: 17.81 min Scan# 4674

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

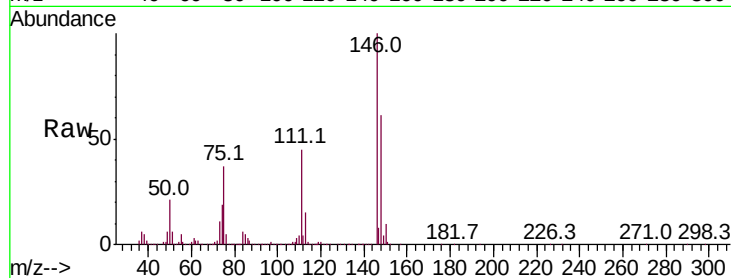
Tot Ion:146 Resp: 2780465

Ion Ratio Lower Upper

146 100

111 46.7 24.0 72.0

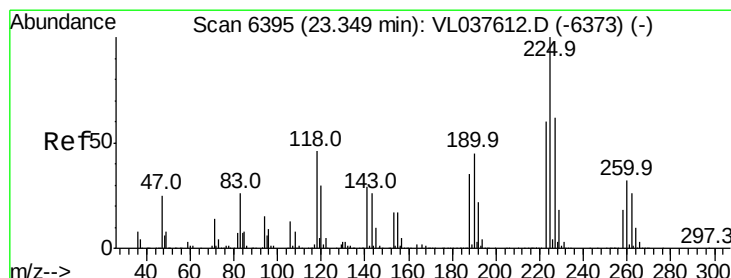
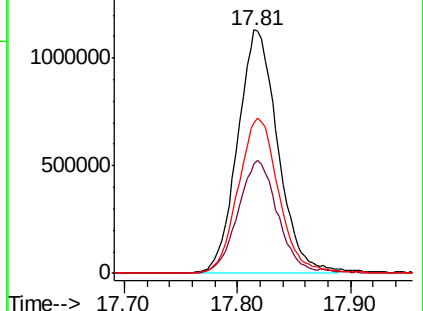
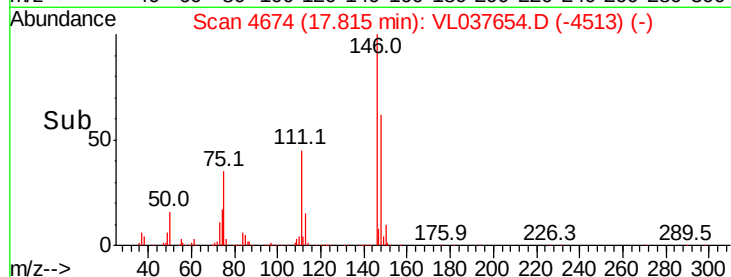
148 65.0 32.8 98.3



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: 6.144 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.03 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

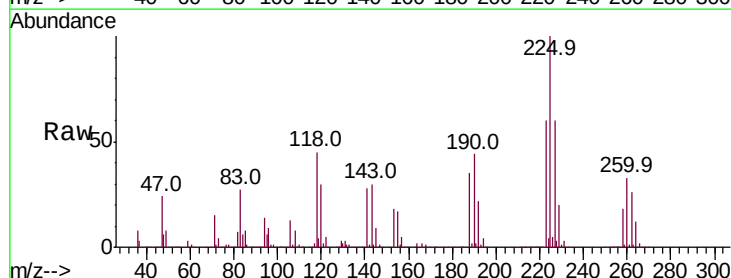
Tgt Ion:225 Resp: 2043629

Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

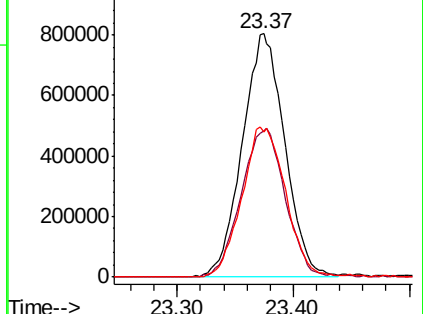
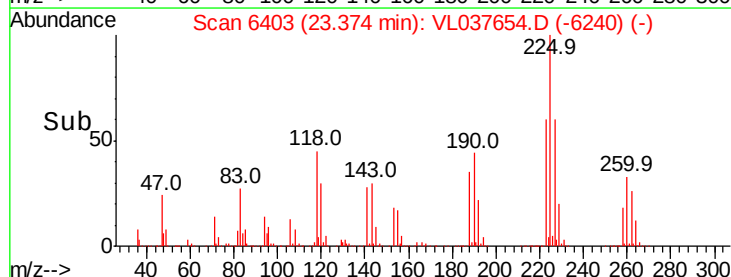
227 64.2 52.2 78.4

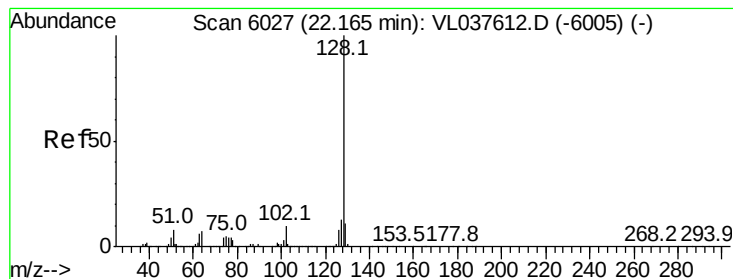


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.449 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.03 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

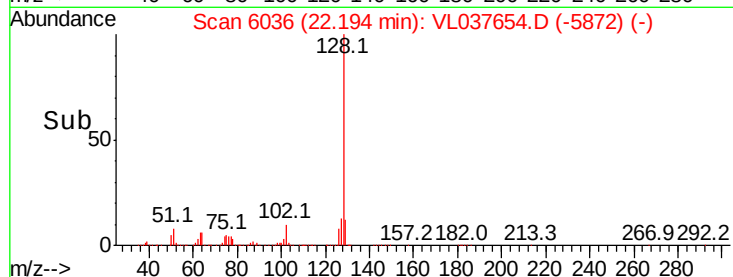
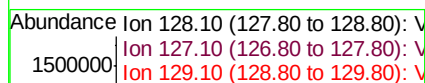
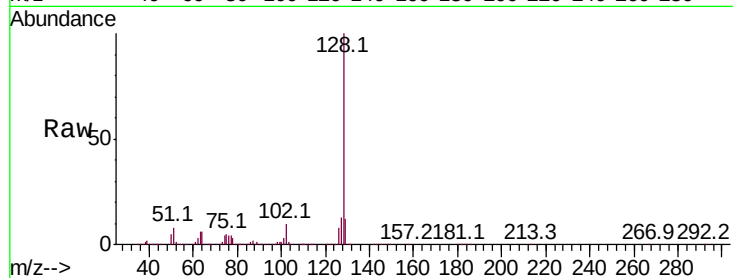
Instrument :

MSVOA_L

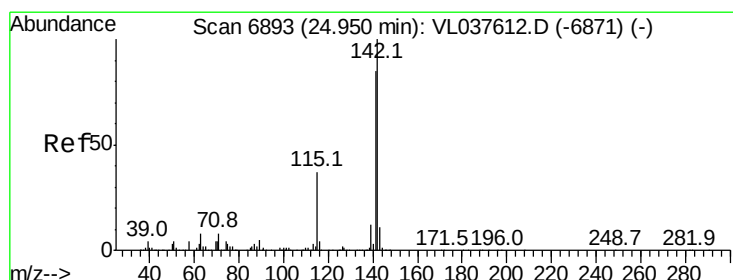
ClientSampleId :

Tot Ion:128 Resp: 3479115

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.6	8.6	12.8



Time-->



#80

Naphthalene, 2-methyl-

Concen: 10.492 ppbv

RT: 24.97 min Scan# 6899

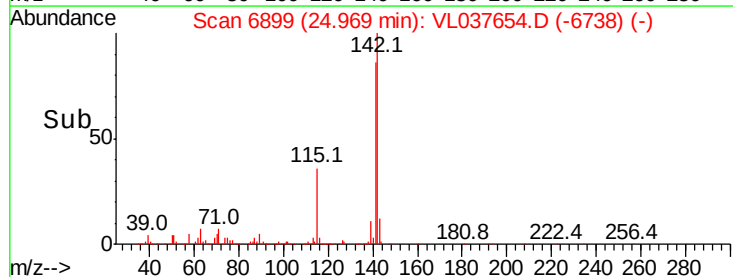
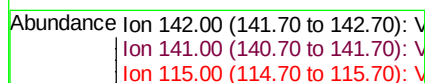
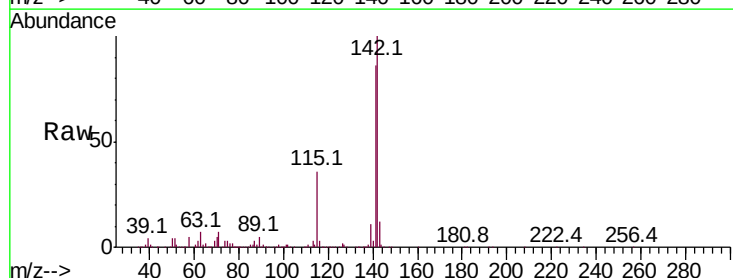
Delta R.T. 0.02 min

Lab File: VL037654.D

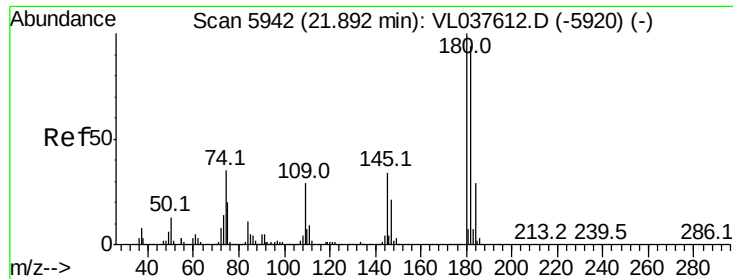
Acq: 23 Sep 2021 9:32

Tgt Ion:142 Resp: 987526

Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.9	106.3
115	34.2	29.6	44.4



Time-->



#81
 1,2,4-Trichlorobenzene
 Concen: 7.860 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.03 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2077888
 Ion Ratio Lower Upper
 180 100
 182 97.3 78.9 118.3
 184 30.9 24.7 37.1

