

Data File : VL037457.D

Acq On : 16 Aug 2021 11:45

Operator : SY/AP

Sample : VSTDIC001

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Aug 16 12:49:06 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 11:33:04 2021

QLast Update : Mon Aug 16 11:33:04 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1516327	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4636665	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4021052	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2829682	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.04	85	249146	1.075	ppbv 95
3) Chlorodifluoromethane	2.98	51	312119	1.048	ppbv 100
4) Chloromethane	3.13	50	108580	1.014	ppbv 100
5) Vinyl Chloride	3.25	62	103601	0.878	ppbv # 88
6) Bromomethane	3.46	94	30946	0.506	ppbv 96
7) Chloroethane	3.55	64	36508	0.938	ppbv # 82
8) Dichlorotetrafluoroethane	3.18	85	264838	1.024	ppbv 93
9) Propene	3.00	41	110082	1.101	ppbv 99
10) Heptane	8.10	43	253129	1.041	ppbv 96
11) Trichlorofluoromethane	3.93	101	227770	0.909	ppbv 89
12) 1,1,2-Trichlorotrifluoroet	4.47	101	182394	1.039	ppbv 99
13) Ethanol	3.61	45	6721	0.630	ppbv # 8
14) Bromoethene	3.73	108	71444	0.915	ppbv # 85
15) Acetone	3.85	43	149051	0.927	ppbv # 54
16) 1,3-Butadiene	3.32	39	100261	0.929	ppbv 95
17) tert-Butyl alcohol	4.30	59	61232	0.399	ppbv # 62
18) 1,1-Dichloroethene	4.28	96	74193	0.910	ppbv 84
19) Isopropyl Alcohol	3.98	45	54071	0.578	ppbv # 95
20) Methylene Chloride	4.33	84	85424	1.005	ppbv 95
21) Allyl Chloride	4.40	41	126187	1.001	ppbv 94
22) trans-1,2-Dichloroethene	4.87	96	56189	0.735	ppbv 92
23) Vinyl Acetate	5.07	43	128816	0.522	ppbv # 95
24) 1,1-Dichloroethane	5.00	63	165889	0.866	ppbv 98
25) Ethyl Acetate	5.67	43	404527	1.056	ppbv # 98
26) Hexane	5.67	57	202153	1.022	ppbv 98
27) Carbon Disulfide	4.54	76	166833	1.001	ppbv # 94
28) Methyl tert-Butyl Ether	5.03	73	164456	0.777	ppbv 98
29) Chloroform	5.73	83	277228	0.996	ppbv 99
30) Cyclohexane	7.11	84	168884	1.037	ppbv # 74
31) cis-1,2-Dichloroethene	5.53	61	153519	0.898	ppbv 95
32) 1,1,1-Trichloroethane	6.50	97	272290	0.969	ppbv 98
34) 2-Butanone	5.24	43	151887	0.793	ppbv # 74
35) Carbon Tetrachloride	7.00	117	264442	0.925	ppbv 91
36) Benzene	6.87	78	375697	0.961	ppbv 97
37) 1,2-Dichloroethane	6.29	62	197428	0.989	ppbv 98
38) Trichloroethene	7.82	130	156690	0.908	ppbv 95
39) 1,2-Dichloropropane	7.59	63	86400	0.580	ppbv 96
41) Tetrahydrofuran	6.06	42	82453	0.938	ppbv 91
42) Bromodichloromethane	7.77	83	125563	0.449	ppbv 95
43) Methyl Methacrylate	8.00	69	72026	0.544	ppbv # 10
44) 2,2,4-Trimethylpentane	7.85	57	692573	1.059	ppbv 99

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Operator : SY/AP
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

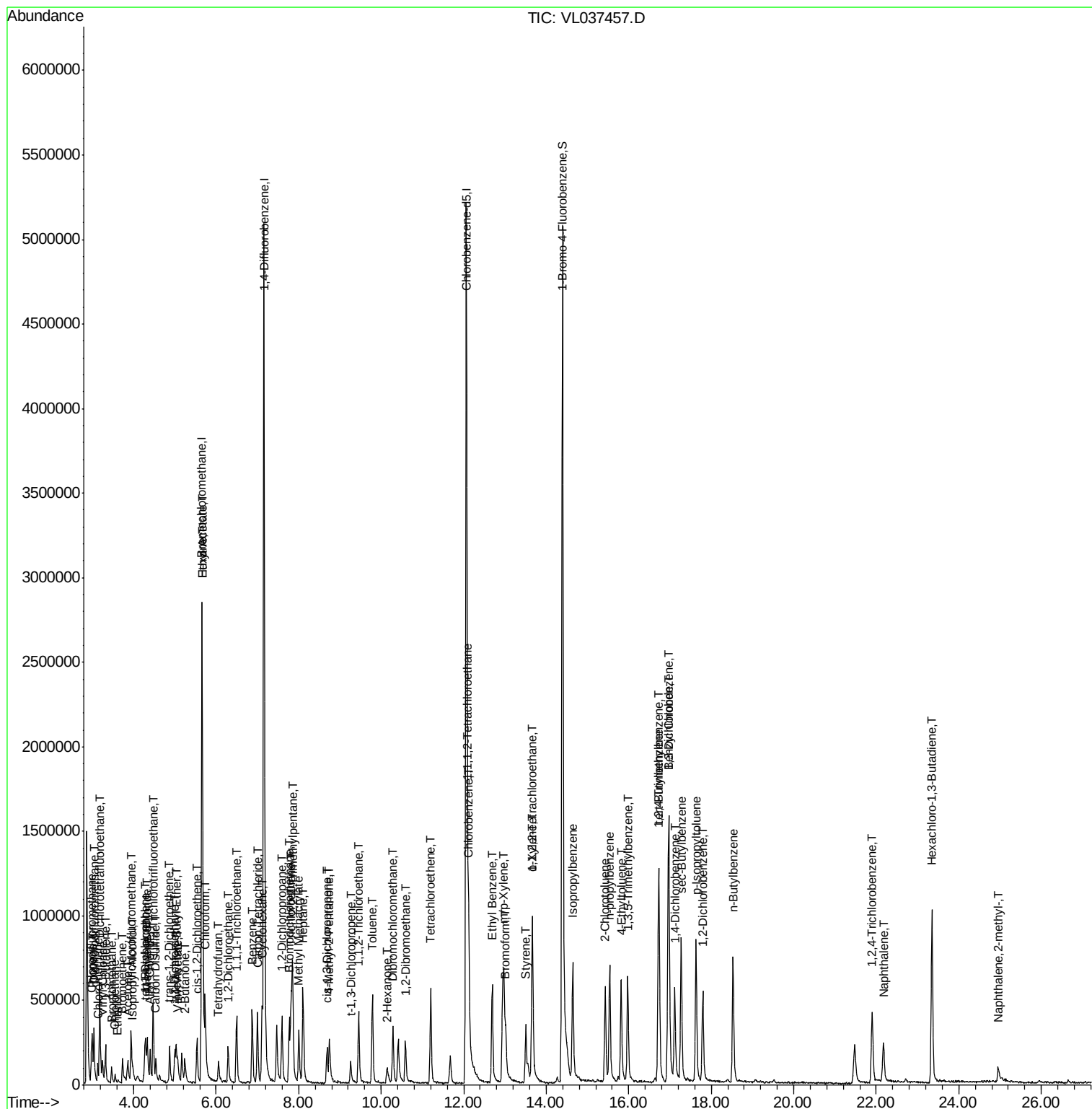
Quant Time: Aug 16 12:49:06 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 11:33:04 2021
QLast Update : Mon Aug 16 11:33:04 2021
Response via : Initial Calibration

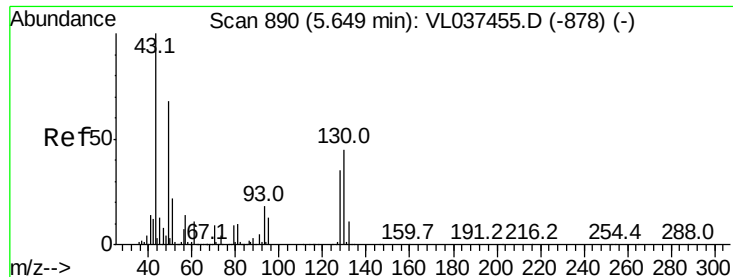
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.26	75	77784	0.790	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	130119	0.947	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	163448	1.015	ppbv	96
48) Dibromochloromethane	10.28	129	224304	0.966	ppbv	100
49) Bromoform	13.02	173	162652	0.924	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	95134	0.395	ppbv #	1
51) 2-Hexanone	10.14	43	35638	0.315	ppbv #	27
52) Tetrachloroethene	11.20	164	86509	0.525	ppbv	91
53) Toluene	9.79	91	446247	1.000	ppbv	100
54) 1,2-Dibromoethane	10.59	107	218915	0.999	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	179570	1.122	ppbv #	1
57) Chlorobenzene	12.13	112	346278	1.063	ppbv	97
58) Ethyl Benzene	12.69	91	569413	1.044	ppbv	91
59) m/p-Xylene	12.97	91	501858	1.047	ppbv #	28
60) o-Xylene	13.67	91	245195	0.551	ppbv #	32
61) Styrene	13.51	104	222461	0.989	ppbv	98
62) Isopropylbenzene	14.64	105	671157	1.054	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	352642	1.050	ppbv	98
64) n-propylbenzene	15.54	120	167011	1.043	ppbv	84
65) tert-Butylbenzene	16.72	119	635709	1.107	ppbv	97
66) Benzyl Chloride	16.96	91	11855	0.451	ppbv #	1
67) sec-Butylbenzene	17.27	105	884921	1.133	ppbv	98
69) p-Isopropyltoluene	17.63	119	712327	1.111	ppbv	98
70) n-Butylbenzene	18.54	91	654915	1.099	ppbv	99
71) 2-Chlorotoluene	15.43	91	489305	1.087	ppbv	98
72) 4-Ethyltoluene	15.82	105	548467	1.061	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	501639	1.027	ppbv	91
74) 1,2,4-Trimethylbenzene	16.74	105	562508	1.125	ppbv #	87
75) 1,3-Dichlorobenzene	16.97	146	321258	1.050	ppbv	97
76) 1,4-Dichlorobenzene	17.11	146	171606	0.566	ppbv #	23
77) 1,2-Dichlorobenzene	17.80	146	314652	1.068	ppbv	98
78) Hexachloro-1,3-Butadiene	23.35	225	285544	1.197	ppbv	99
79) Naphthalene	22.18	128	177149	0.652	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	80657	1.405	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	197138	1.067	ppbv	90

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

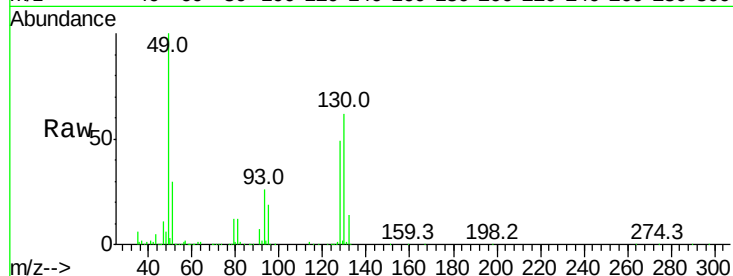
Tgt Ion: 49 Resp: 1516327

Ion Ratio Lower Upper

49 100

128 55.5 27.5 82.4

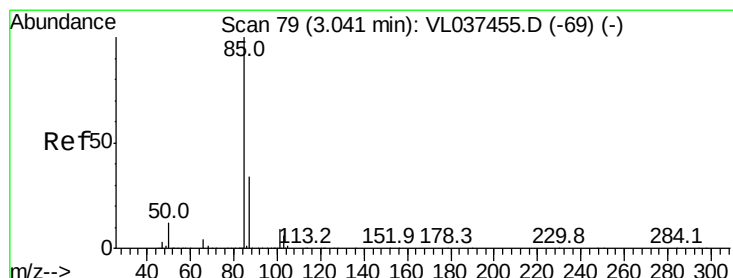
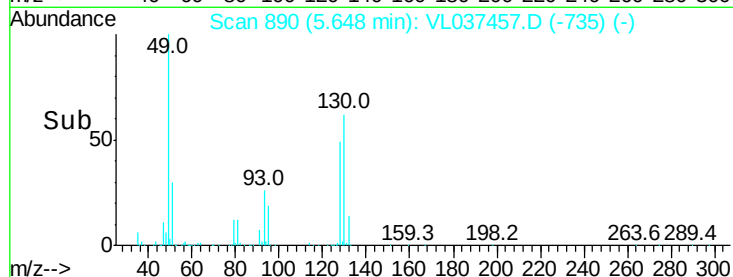
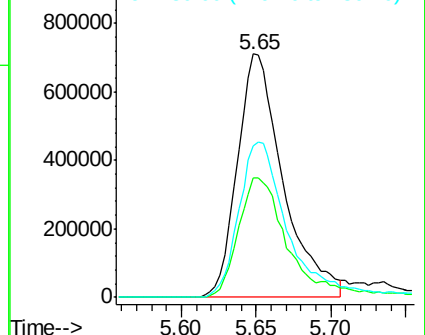
130 71.4 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.075 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037457.D

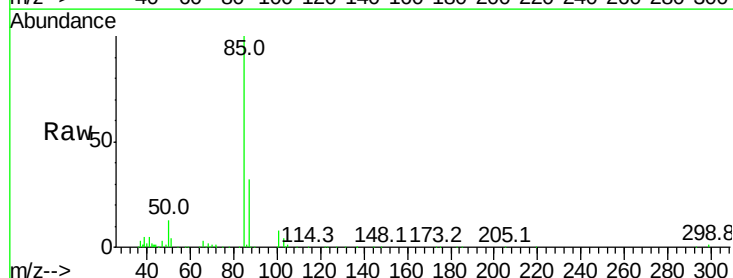
Acq: 16 Aug 2021 11:45

Tgt Ion: 85 Resp: 249146

Ion Ratio Lower Upper

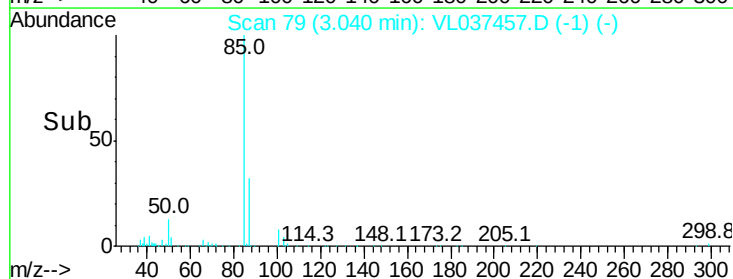
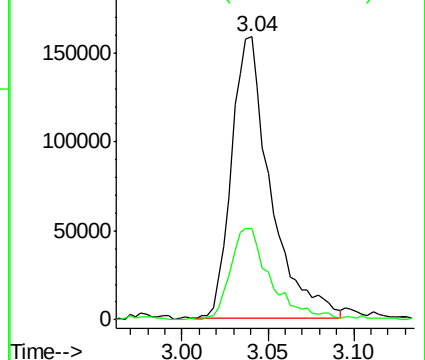
85 100

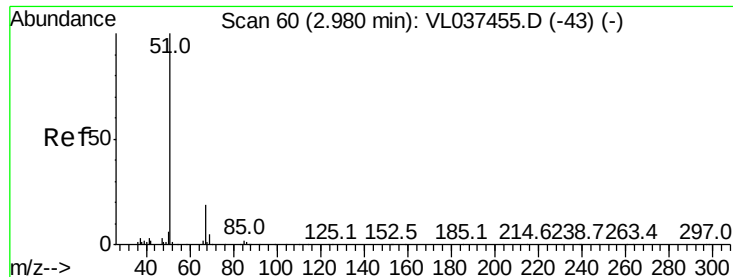
87 31.5 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

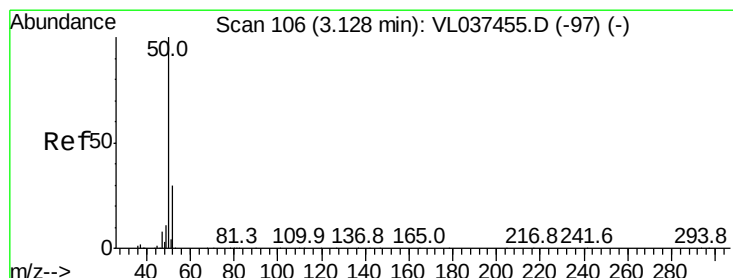
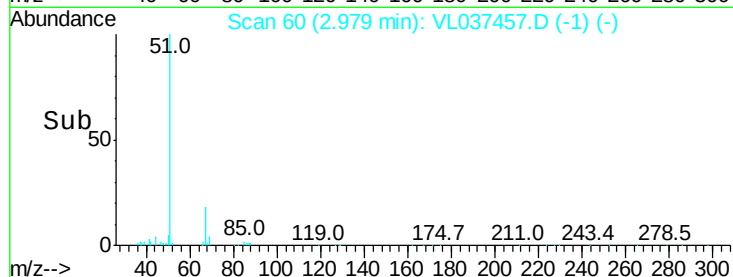
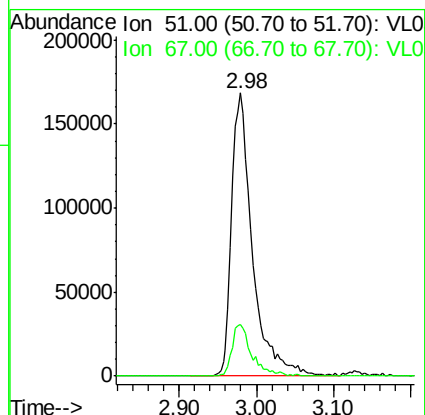
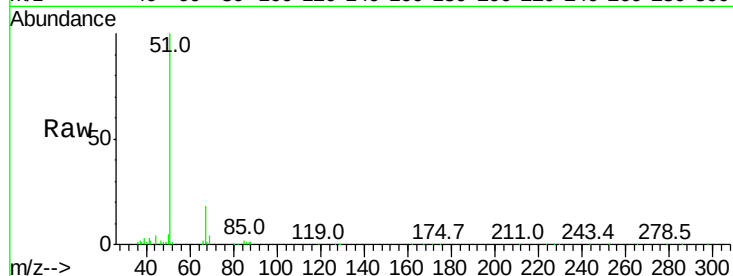




#3
 Chlorodifluoromethane
 Concen: 1.048 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

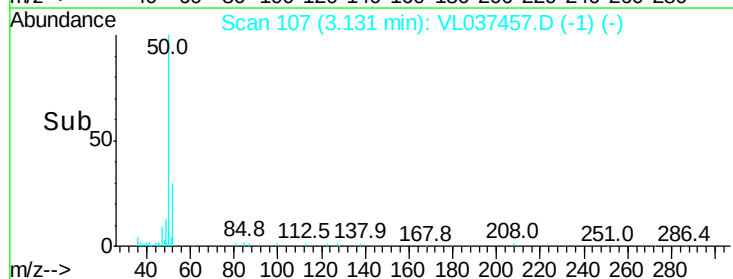
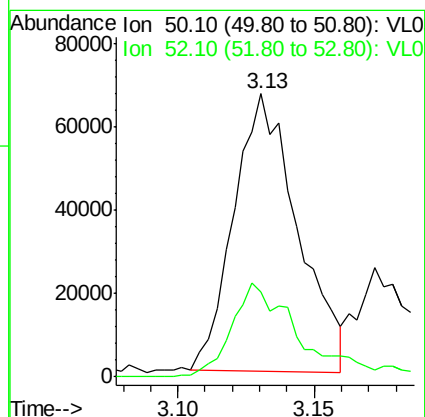
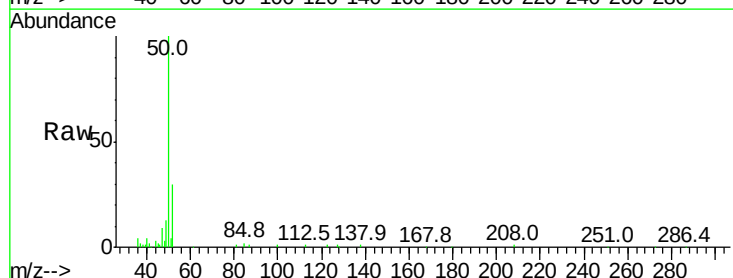
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

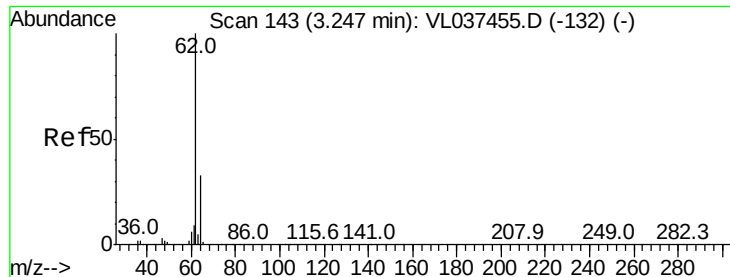
Tgt Ion: 51 Resp: 312119
 Ion Ratio Lower Upper
 51 100
 67 17.6 14.2 21.2



#4
 Chloromethane
 Concen: 1.014 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion: 50 Resp: 108580
 Ion Ratio Lower Upper
 50 100
 52 30.1 24.0 36.0





#5

Vinyl Chloride

Concen: 0.878 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

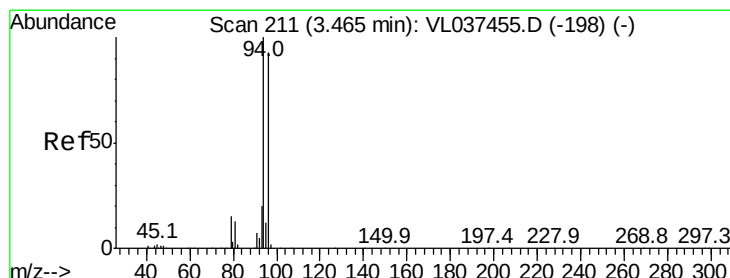
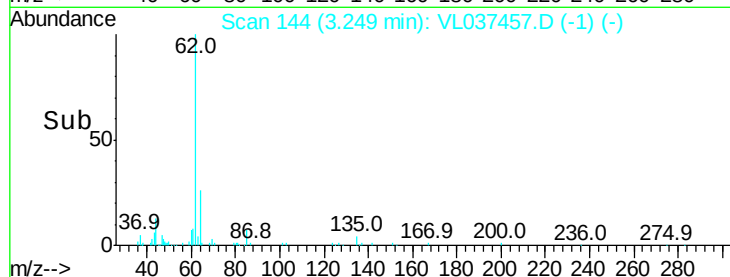
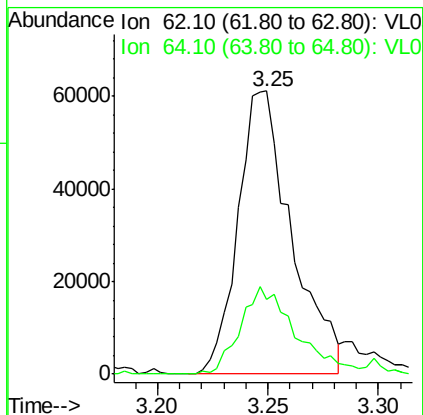
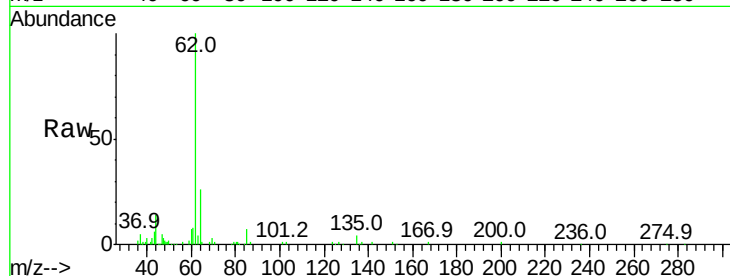
VSTDIC001

Tgt Ion: 62 Resp: 103601

Ion Ratio Lower Upper

62 100

64 26.3 26.5 39.7#



#6

Bromomethane

Concen: 0.506 ppbv

RT: 3.46 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037457.D

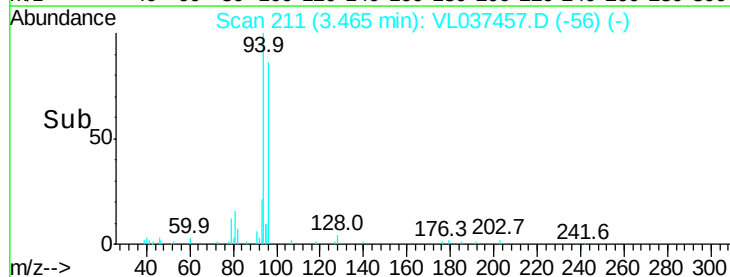
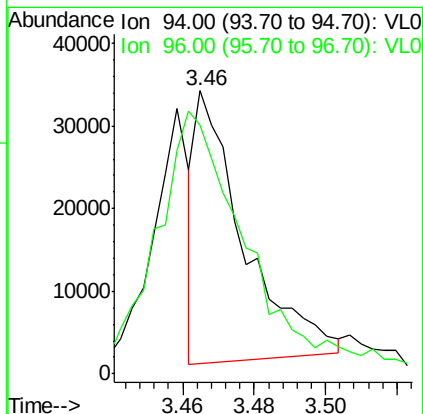
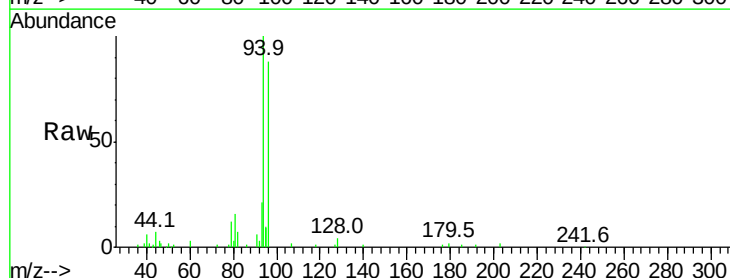
Acq: 16 Aug 2021 11:45

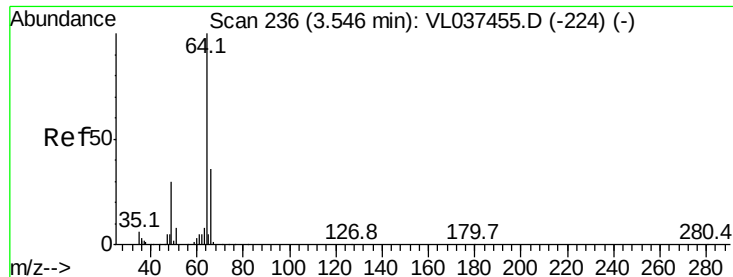
Tgt Ion: 94 Resp: 30946

Ion Ratio Lower Upper

94 100

96 89.2 74.5 111.7





#7

Chloroethane

Concen: 0.938 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

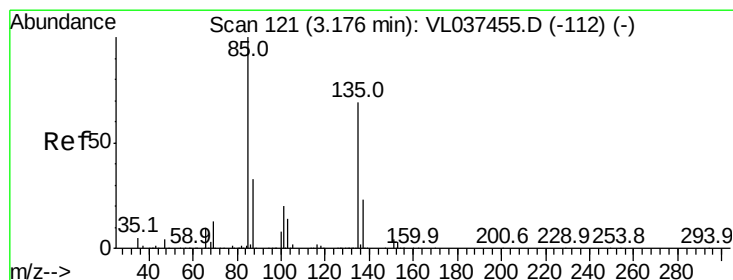
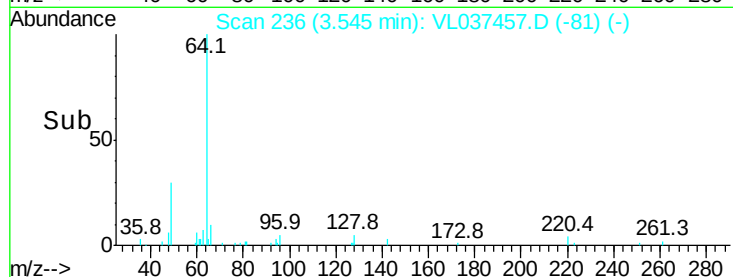
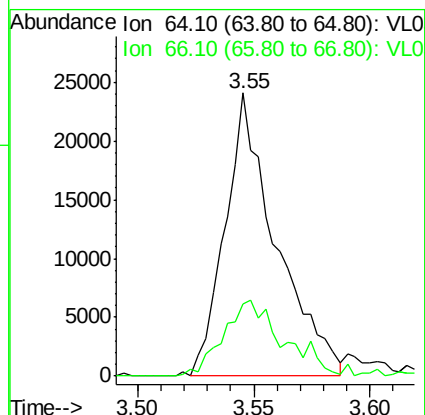
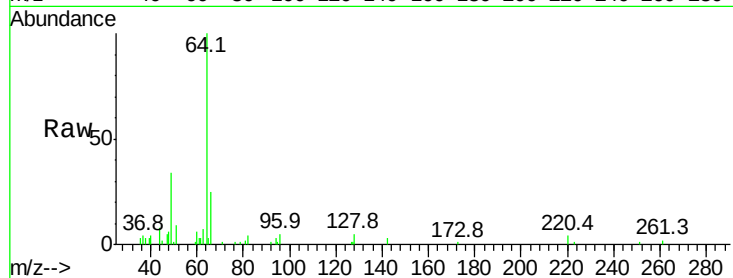
VSTDIC001

Tgt Ion: 64 Resp: 36508

Ion Ratio Lower Upper

64 100

66 25.4 28.6 43.0#



#8

Dichlorotetrafluoroethane

Concen: 1.024 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037457.D

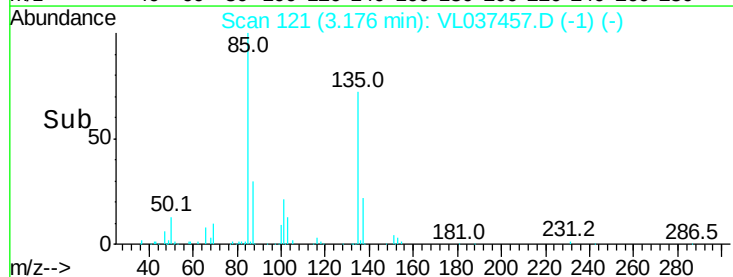
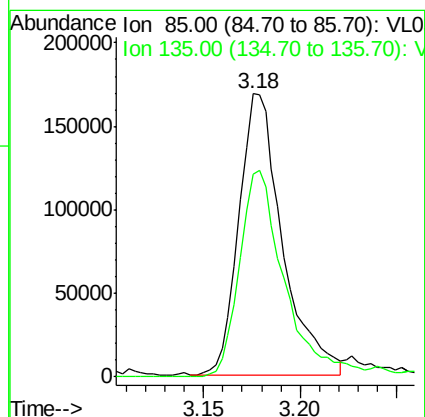
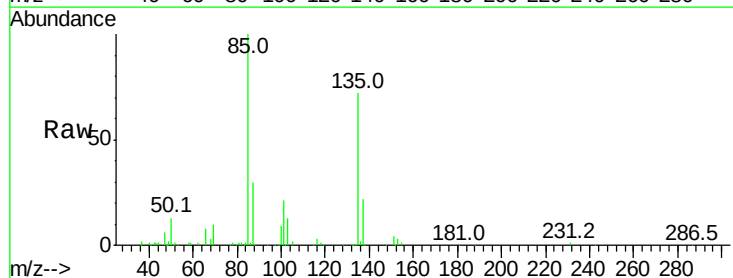
Acq: 16 Aug 2021 11:45

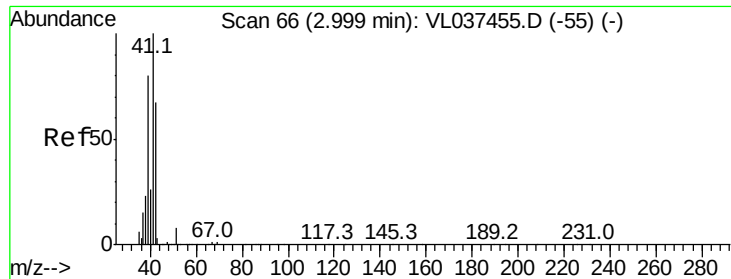
Tgt Ion: 85 Resp: 264838

Ion Ratio Lower Upper

85 100

135 79.1 58.8 88.2





#9

Propene

Concen: 1.101 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

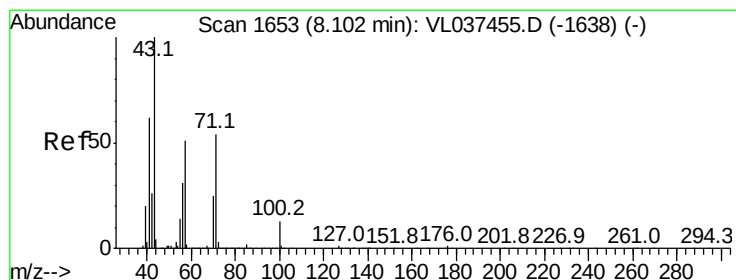
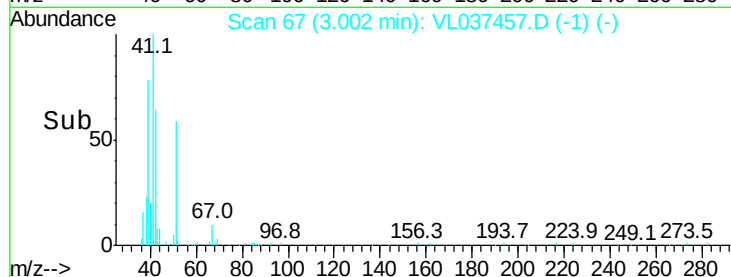
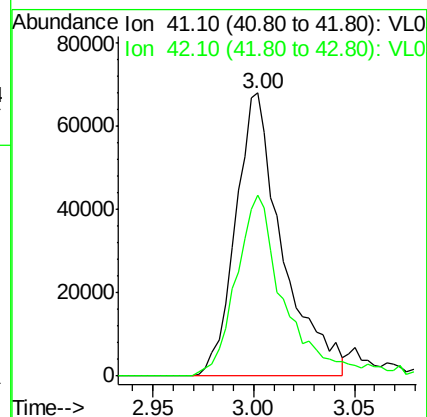
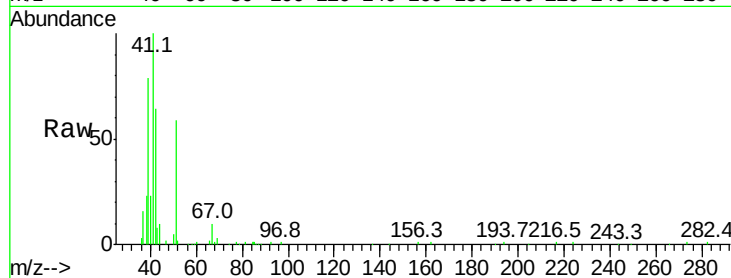
VSTDIC001

Tgt Ion: 41 Resp: 110082

Ion Ratio Lower Upper

41 100

42 68.0 53.7 80.5



#10

Heptane

Concen: 1.041 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL037457.D

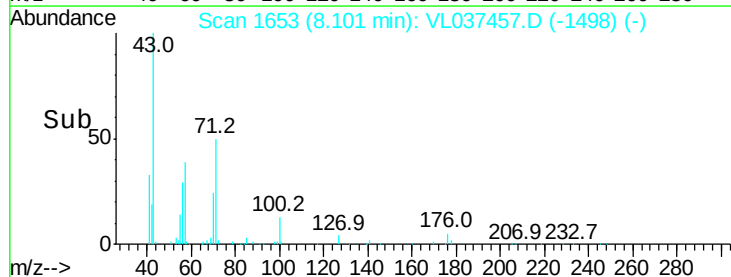
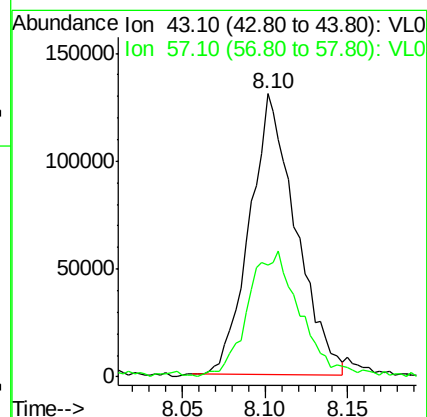
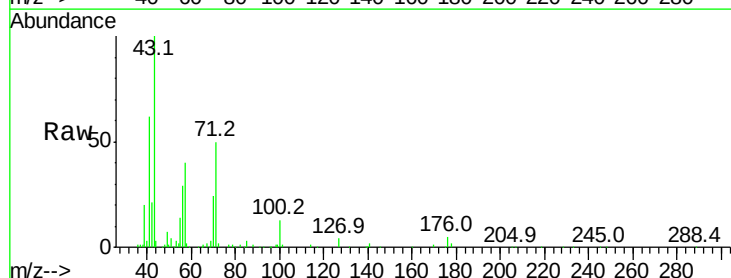
Acq: 16 Aug 2021 11:45

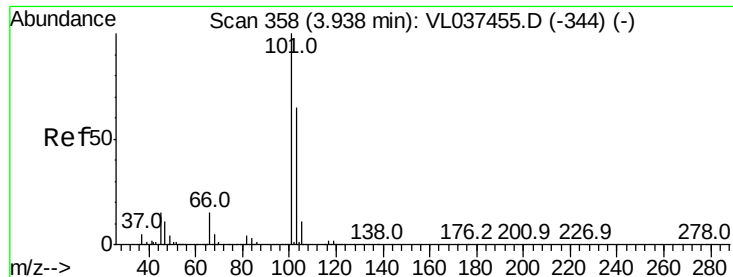
Tgt Ion: 43 Resp: 253129

Ion Ratio Lower Upper

43 100

57 48.3 41.0 61.6

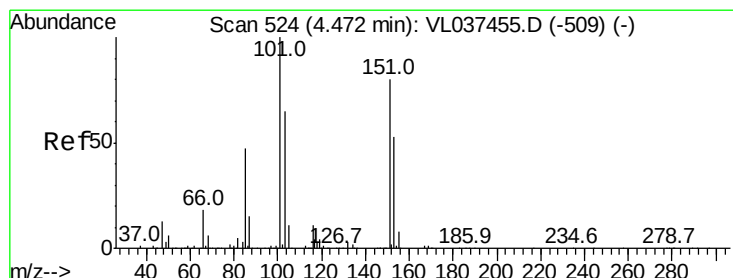
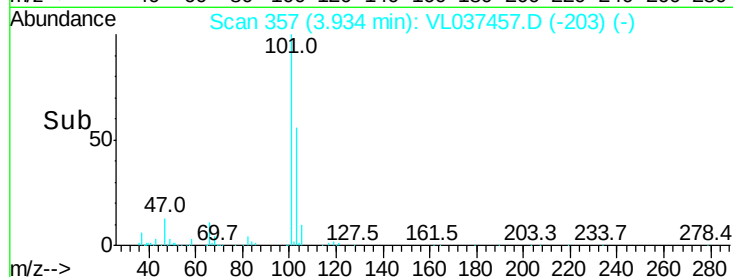
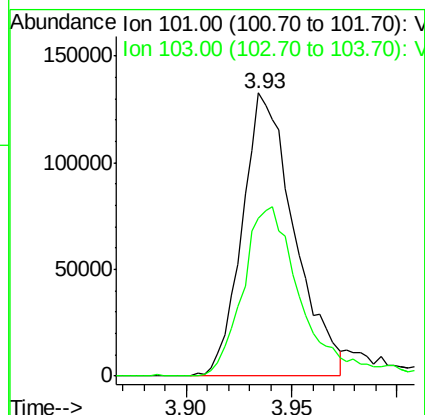
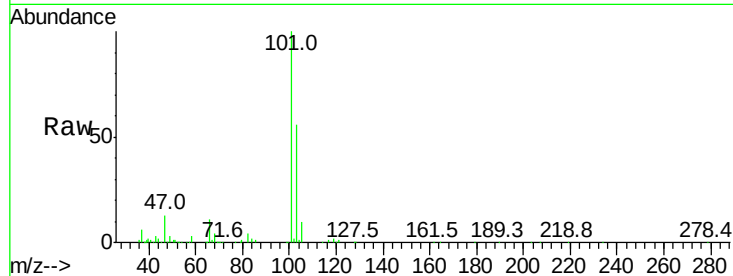




#11
 Trichlorofluoromethane
 Concen: 0.909 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

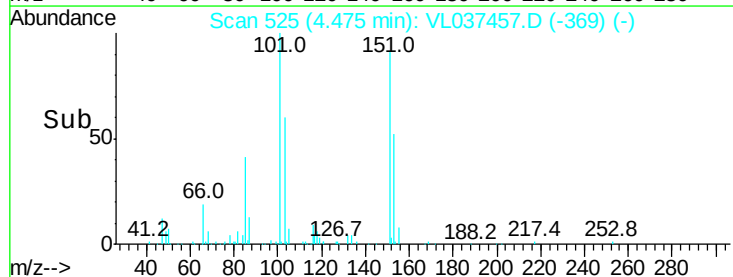
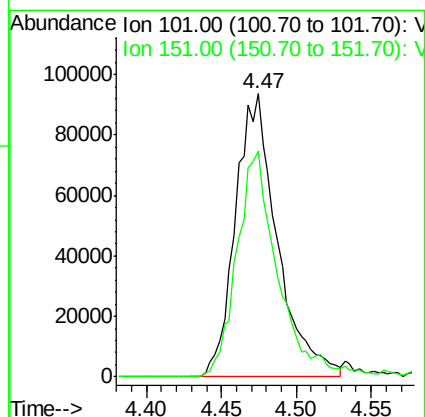
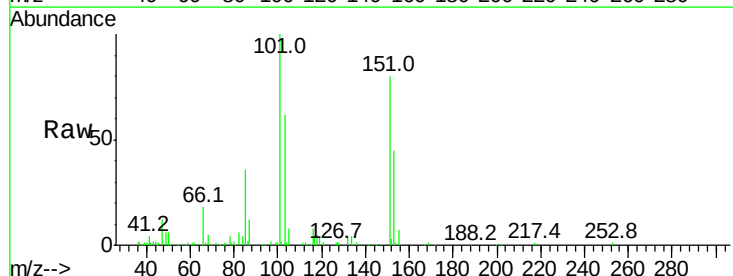
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

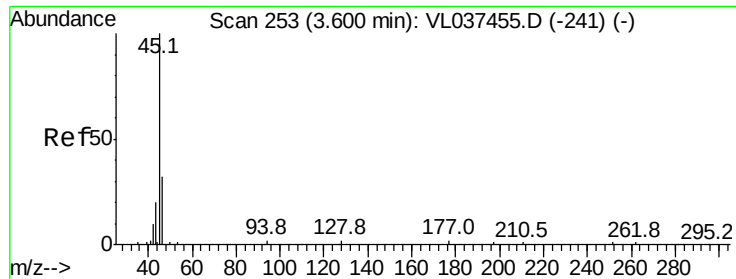
Tgt Ion:101 Resp: 227770
 Ion Ratio Lower Upper
 101 100
 103 55.8 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.039 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion:101 Resp: 182394
 Ion Ratio Lower Upper
 101 100
 151 80.1 63.7 95.5





#13

Ethanol

Concen: 0.630 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

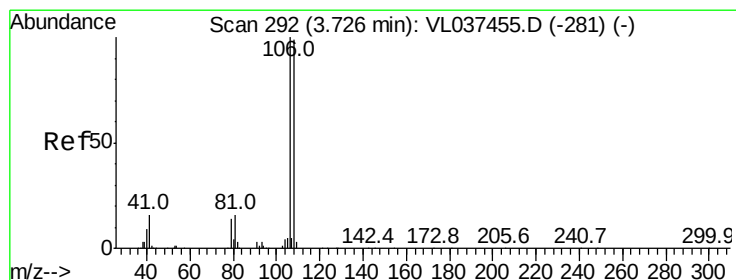
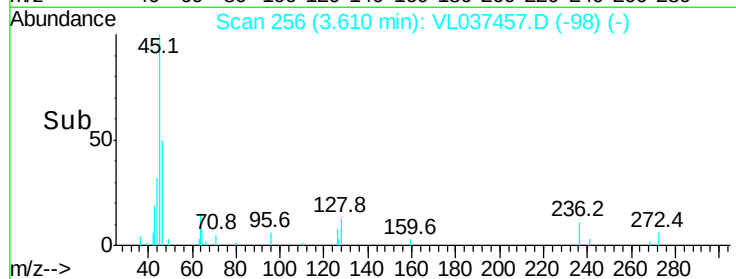
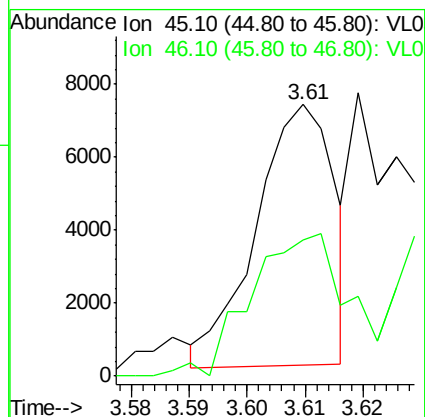
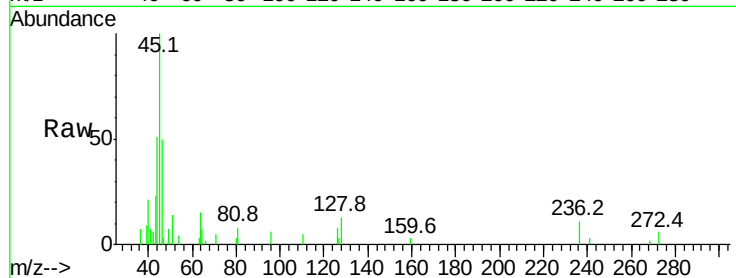
VSTDIC001

Tgt Ion: 45 Resp: 6721

Ion Ratio Lower Upper

45 100

46 88.9 14.1 56.5#



#14

Bromoethene

Concen: 0.915 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

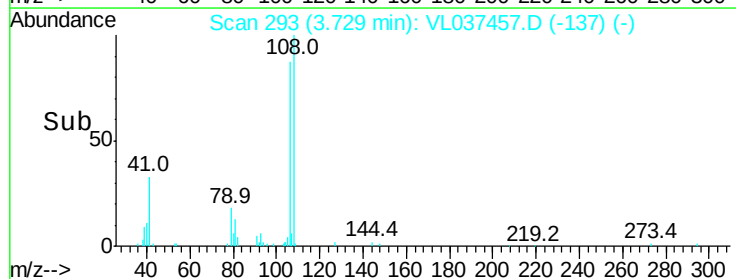
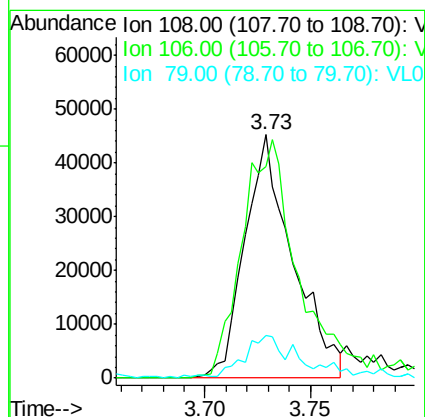
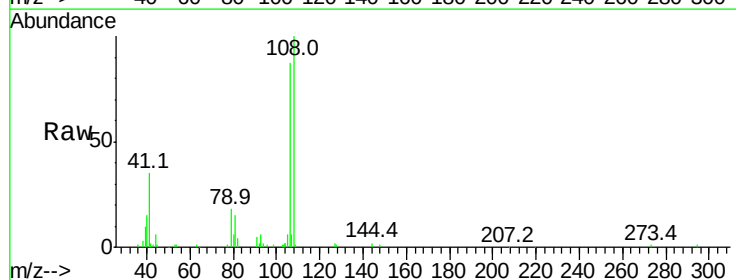
Tgt Ion: 108 Resp: 71444

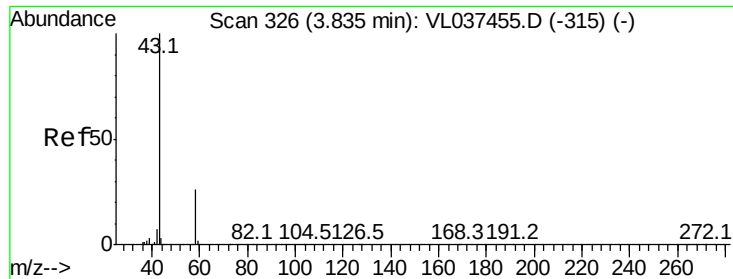
Ion Ratio Lower Upper

108 100

106 122.5 85.8 128.8

79 23.3 12.6 18.8#





#15

Acetone

Concen: 0.927 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

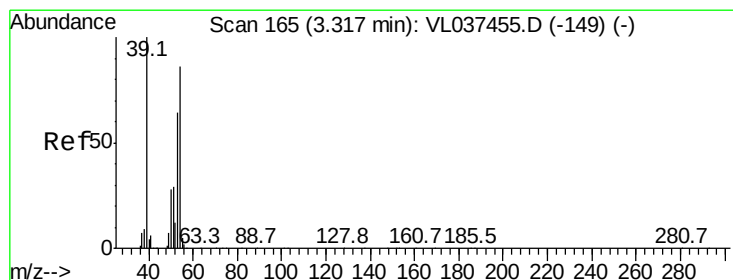
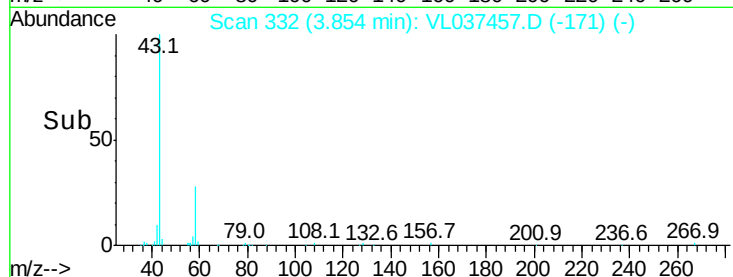
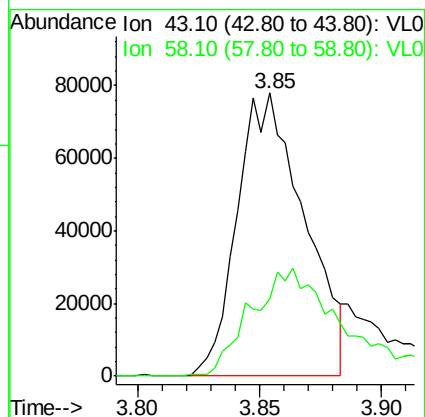
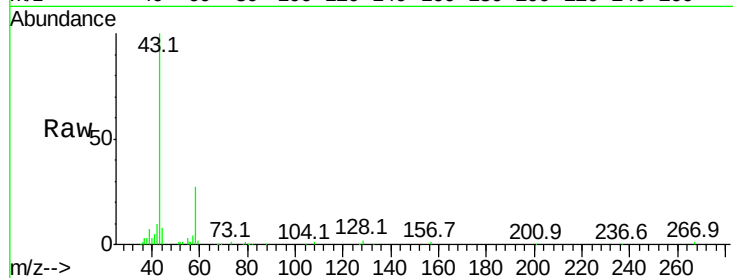
VSTDIC001

Tgt Ion: 43 Resp: 149051

Ion Ratio Lower Upper

43 100

58 56.3 24.8 37.2#



#16

1,3-Butadiene

Concen: 0.929 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037457.D

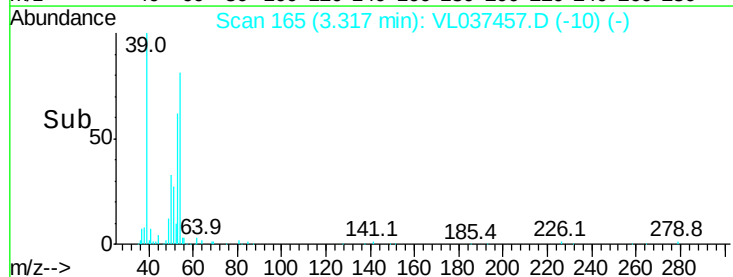
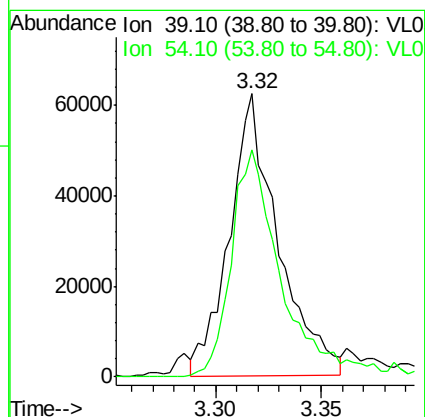
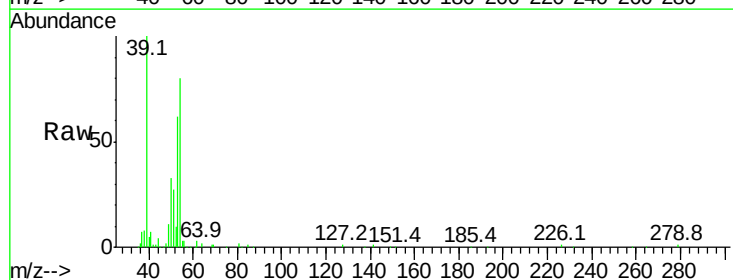
Acq: 16 Aug 2021 11:45

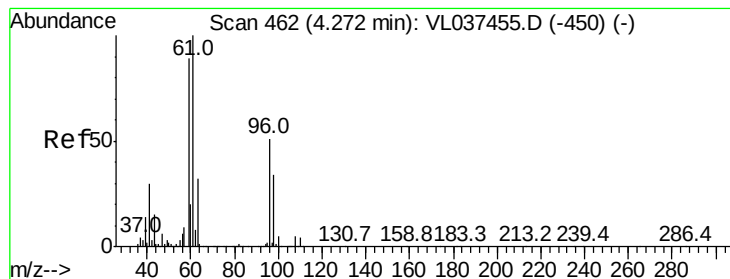
Tgt Ion: 39 Resp: 100261

Ion Ratio Lower Upper

39 100

54 84.2 63.7 95.5





#17

tert-Butyl alcohol

Concen: 0.399 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.03 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

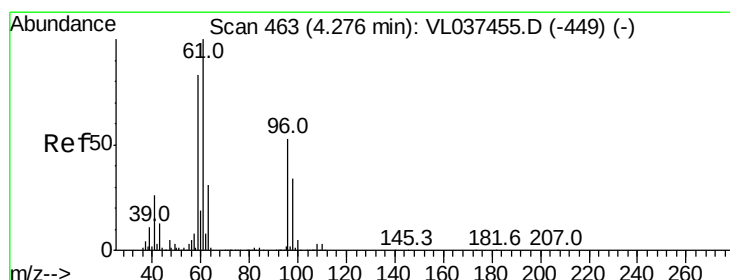
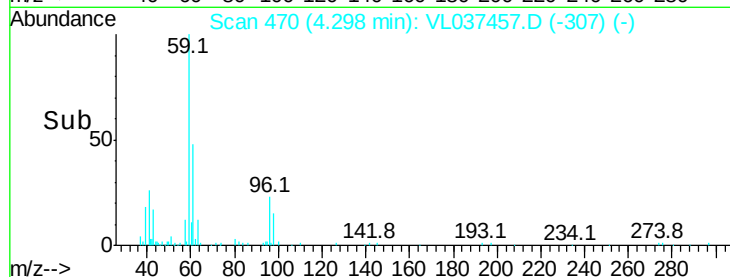
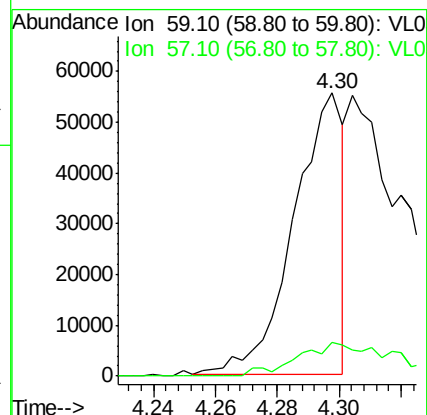
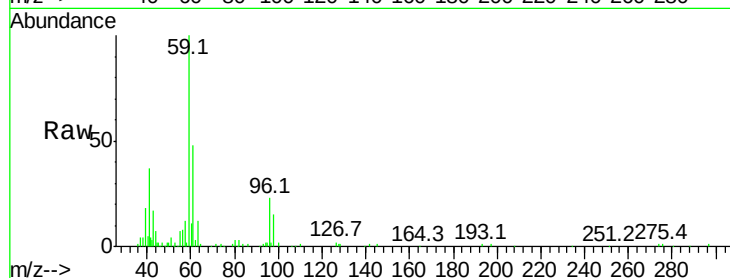
VSTDIC001

Tgt Ion: 59 Resp: 61232

Ion Ratio Lower Upper

59 100

57 24.7 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.910 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

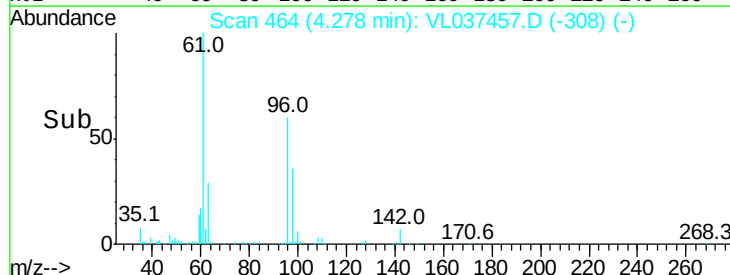
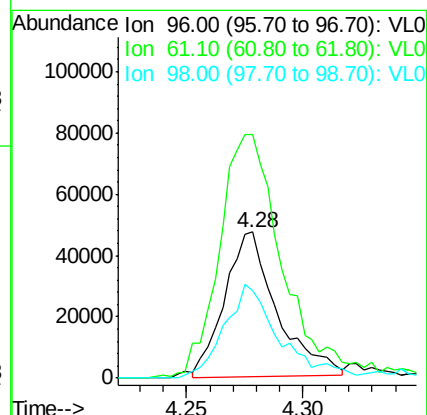
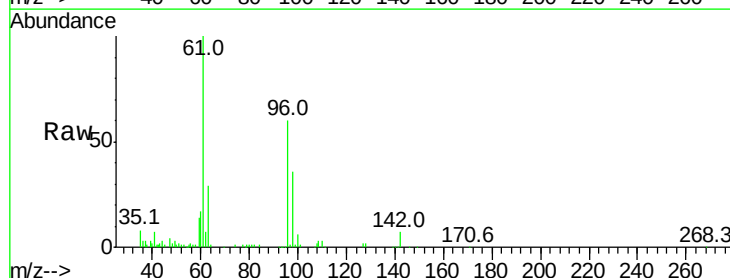
Tgt Ion: 96 Resp: 74193

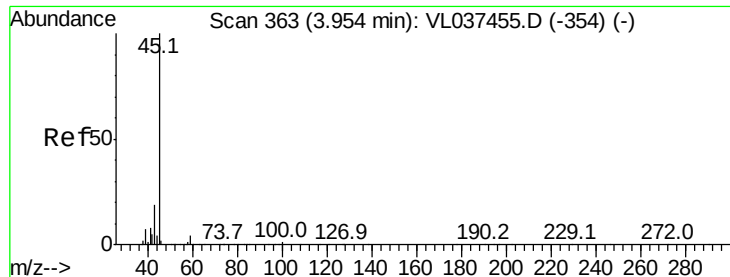
Ion Ratio Lower Upper

96 100

61 162.2 151.1 226.7

98 57.2 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.578 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

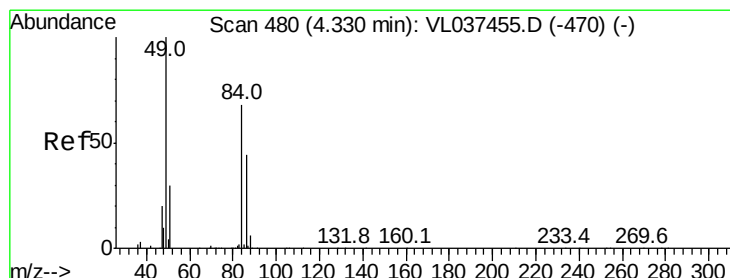
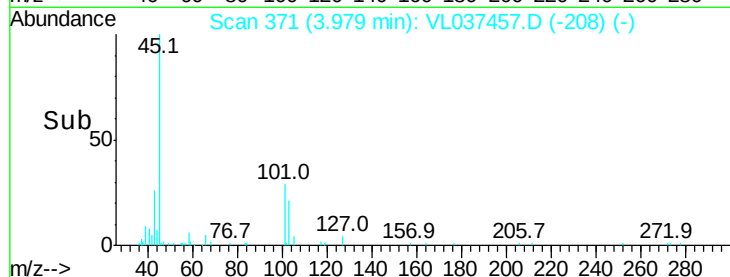
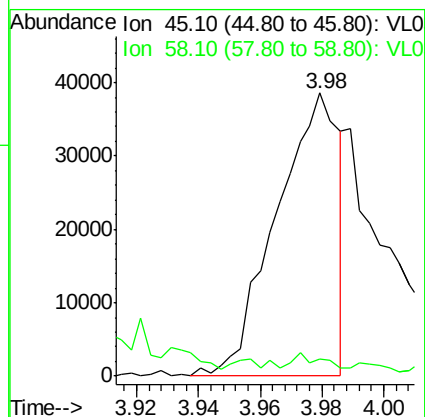
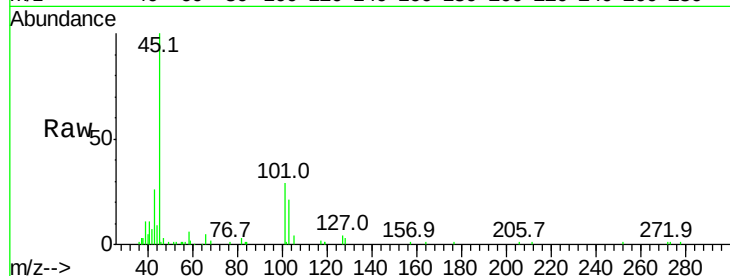
VSTDIC001

Tgt Ion: 45 Resp: 54071

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#



#20

Methylene Chloride

Concen: 1.005 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion: 84 Resp: 85424

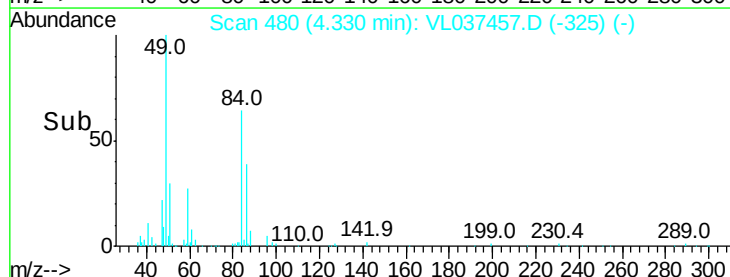
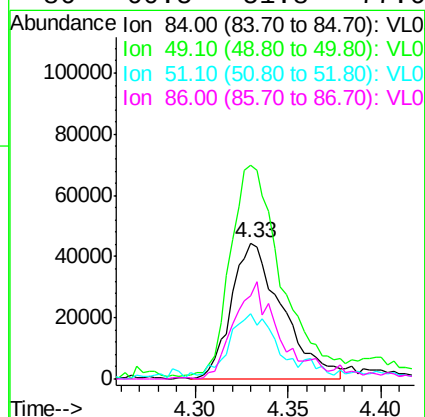
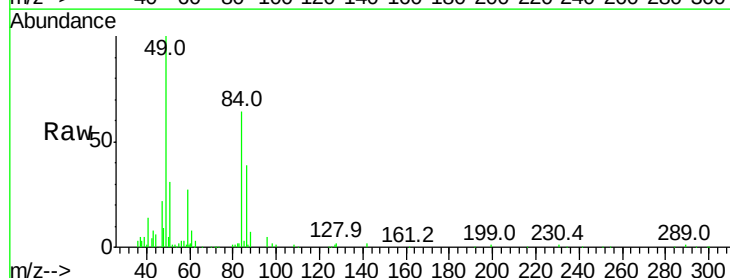
Ion Ratio Lower Upper

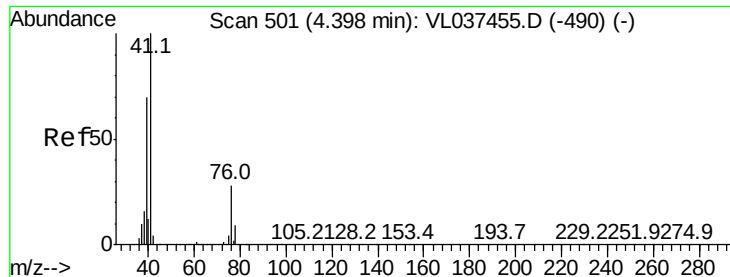
84 100

49 154.4 118.2 177.2

51 43.0 36.6 55.0

86 60.5 51.8 77.6





#21

Allyl Chloride

Concen: 1.001 ppbv

RT: 4.40 min Scan# 502

Delta R.T. 0.00 min

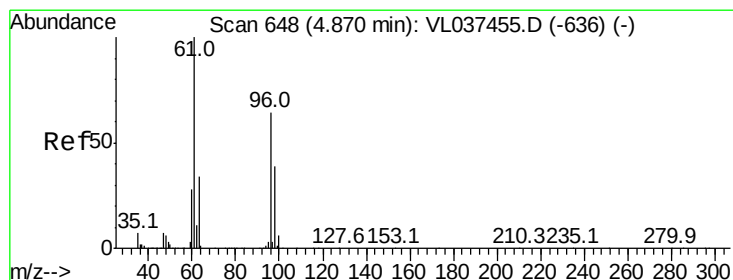
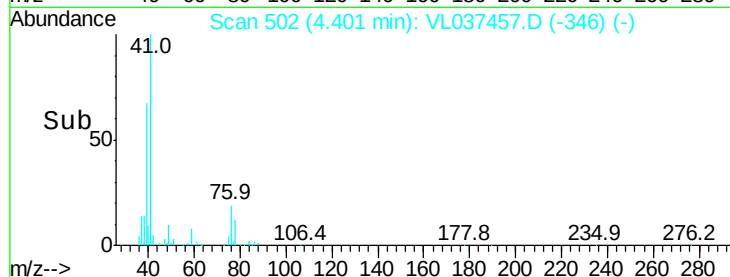
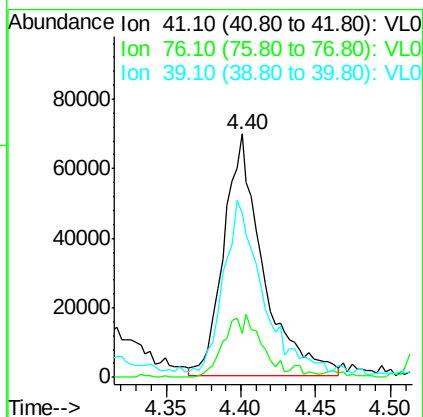
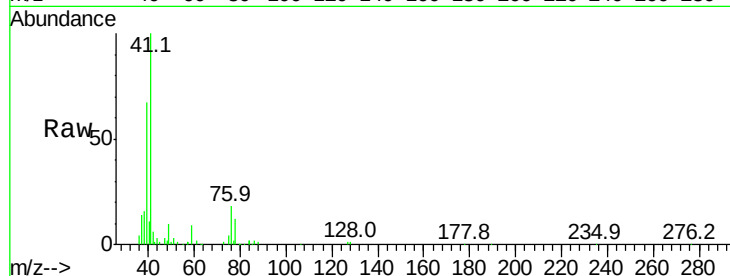
Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 41 Resp: 126187

Ion	Ratio	Lower	Upper
41	100		
76	28.1	21.8	32.6
39	77.0	56.8	85.2



#22

trans-1,2-Dichloroethene

Concen: 0.735 ppbv

RT: 4.87 min Scan# 649

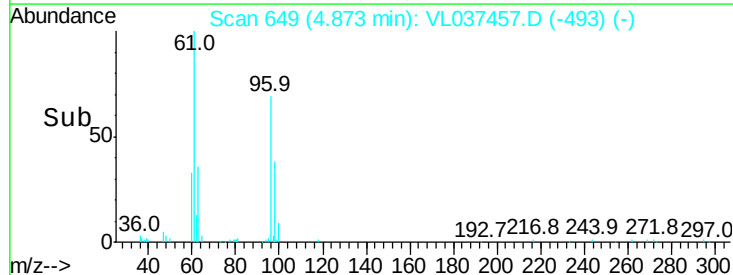
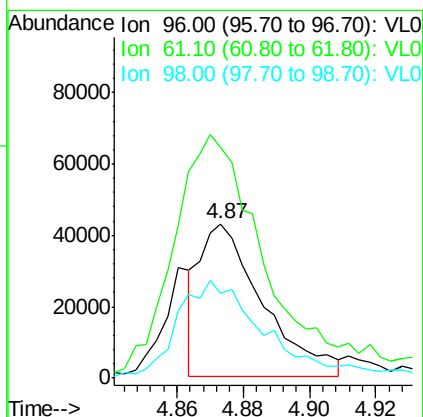
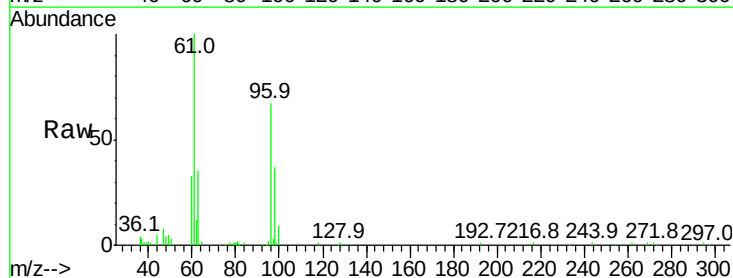
Delta R.T. 0.00 min

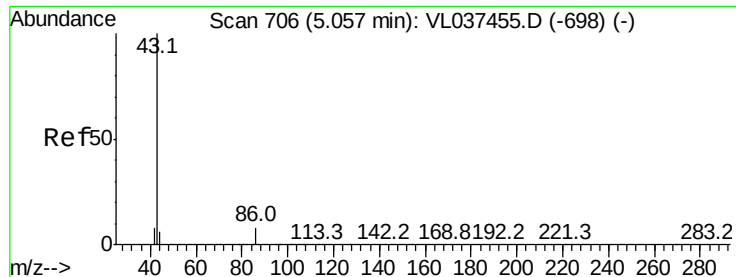
Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion: 96 Resp: 56189

Ion	Ratio	Lower	Upper
96	100		
61	146.9	125.5	188.3
98	54.0	49.0	73.4





#23

Vinyl Acetate

Concen: 0.522 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 128816

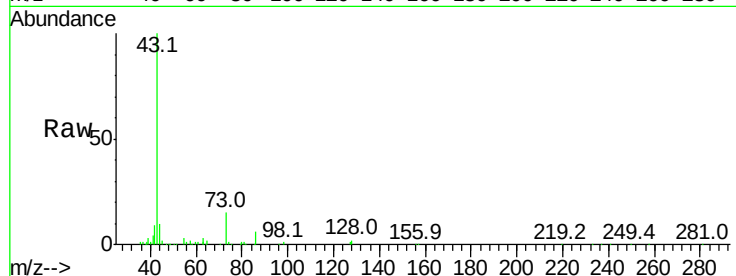
Ion Ratio Lower Upper

43 100

86 5.3 5.7 8.5#

42 8.1 7.4 11.2

44 8.0 4.3 6.5#

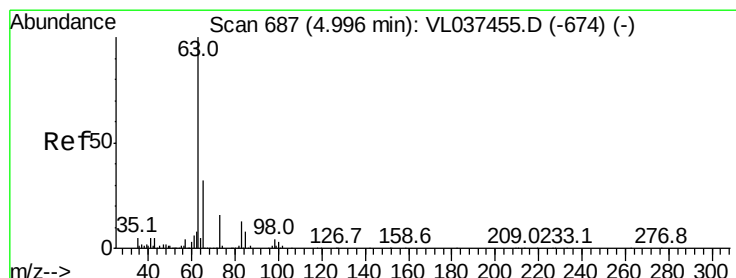
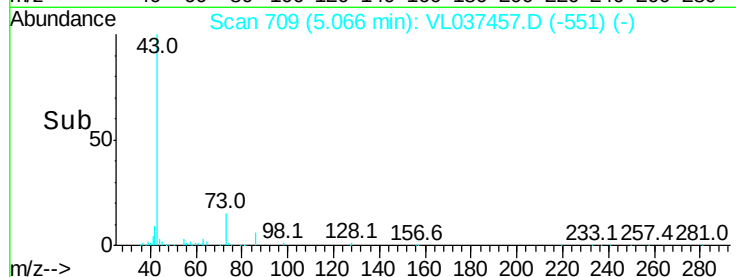
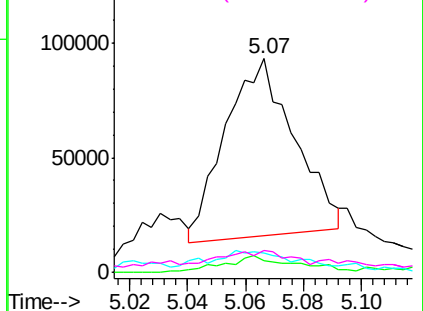


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.866 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

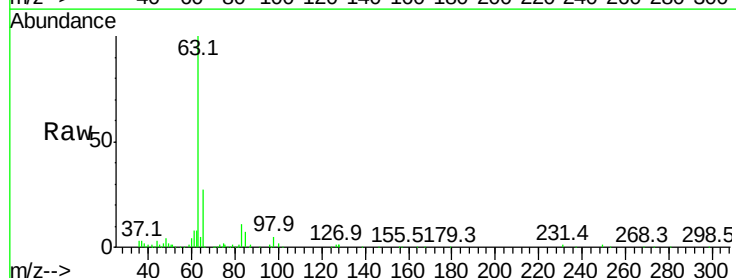
Tgt Ion: 63 Resp: 165889

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.3

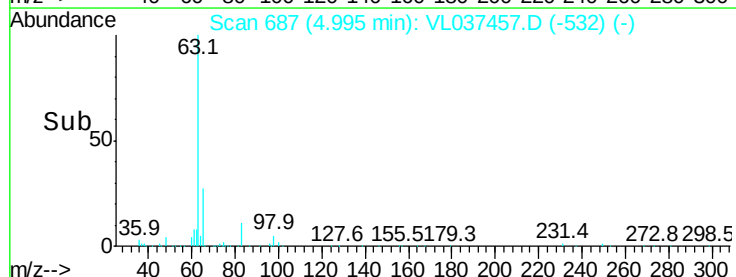
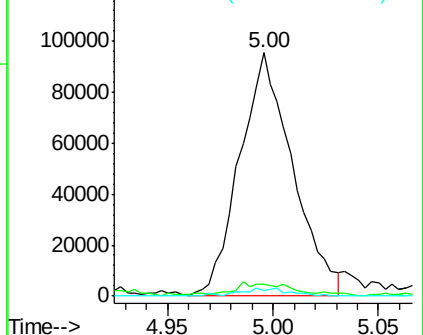
100 2.2 1.6 4.7

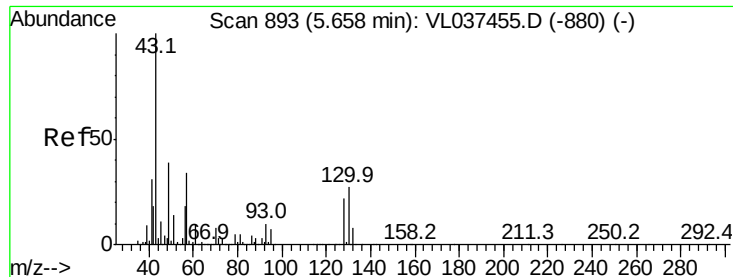


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

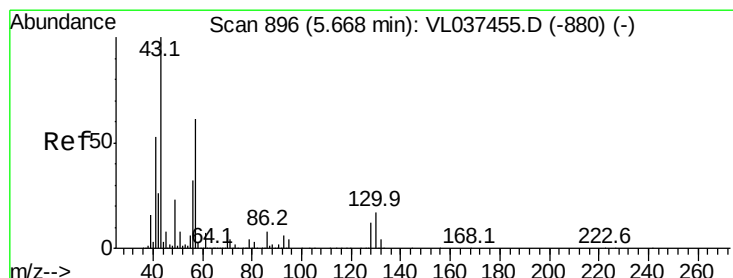
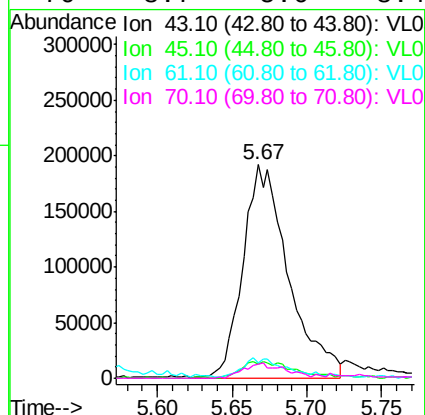
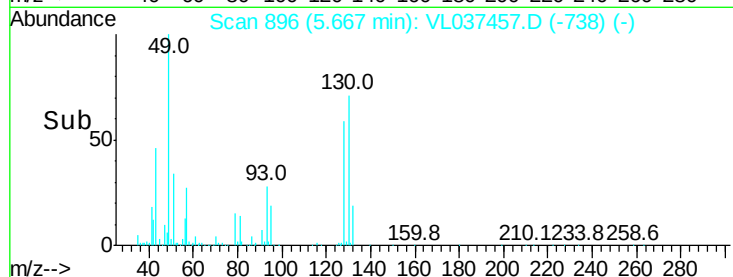
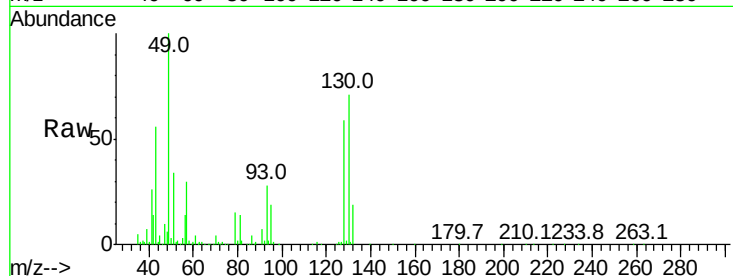




#25
Ethyl Acetate
Concen: 1.056 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

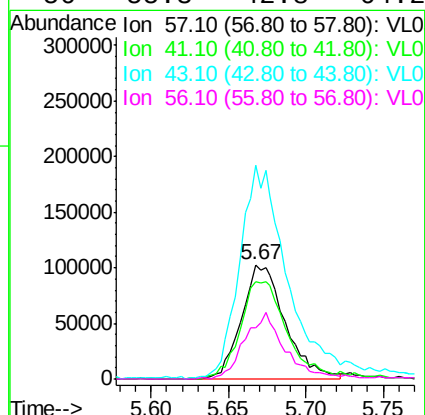
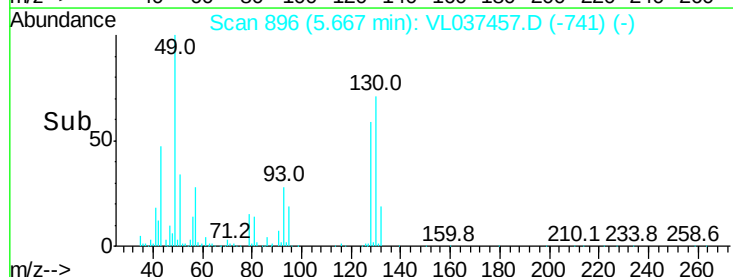
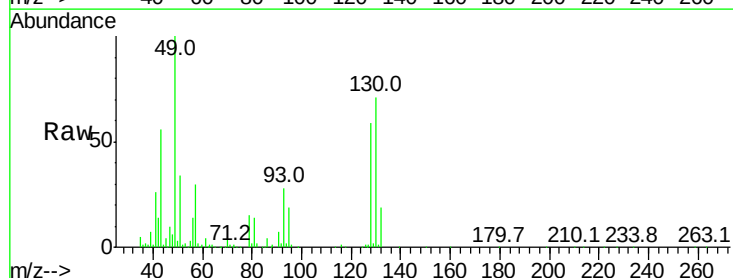
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

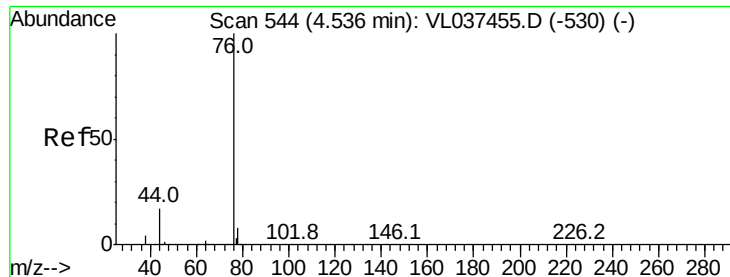
Tgt Ion:	43	Resp:	404527
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	10.5	8.0	12.0
70	8.7	5.6	8.4#



#26
Hexane
Concen: 1.022 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion:	57	Resp:	202153
Ion	Ratio	Lower	Upper
57	100		
41	93.9	72.3	108.5
43	217.2	172.3	258.5
56	55.3	42.8	64.2





#27

Carbon Disulfide

Concen: 1.001 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

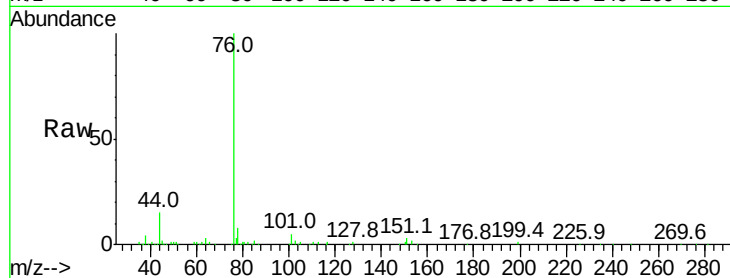
Tgt Ion: 76 Resp: 166833

Ion Ratio Lower Upper

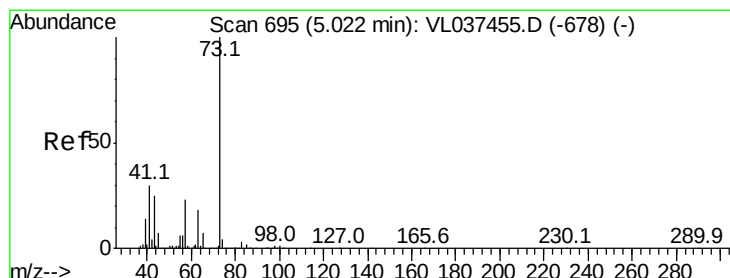
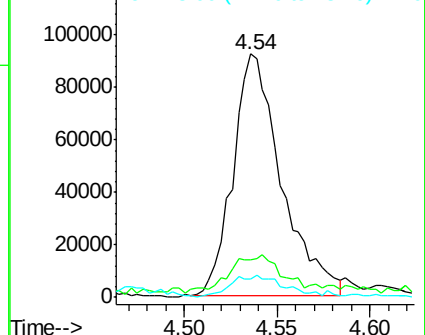
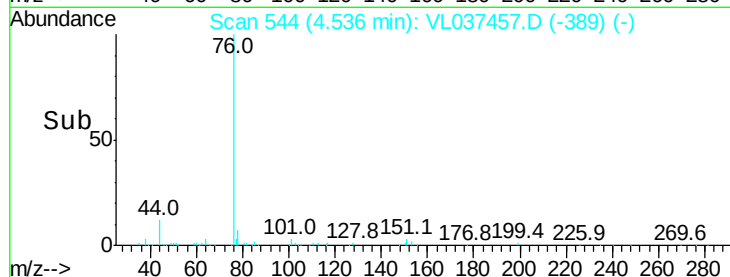
76 100

44 21.1 13.9 20.9#

78 10.9 7.9 11.9



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: 0.777 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037457.D

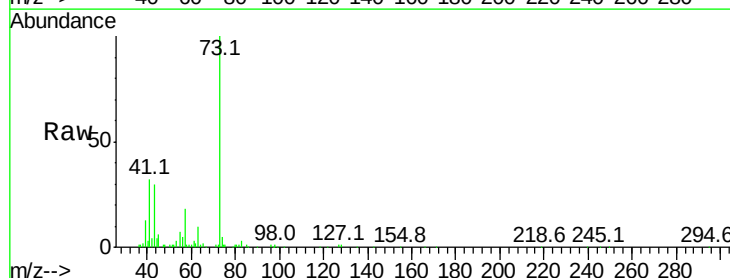
Acq: 16 Aug 2021 11:45

Tgt Ion: 73 Resp: 164456

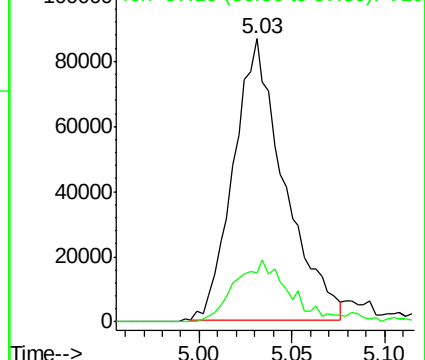
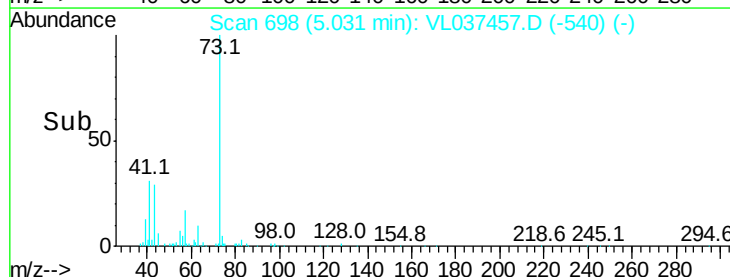
Ion Ratio Lower Upper

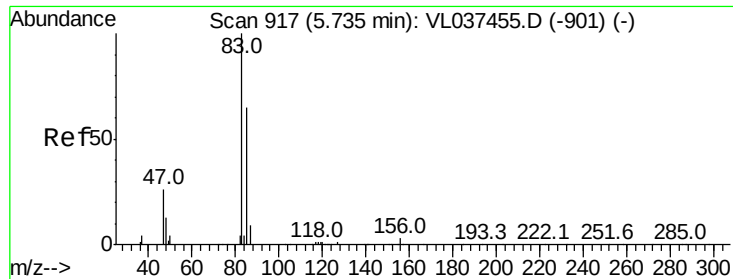
73 100

57 25.4 19.4 29.2



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

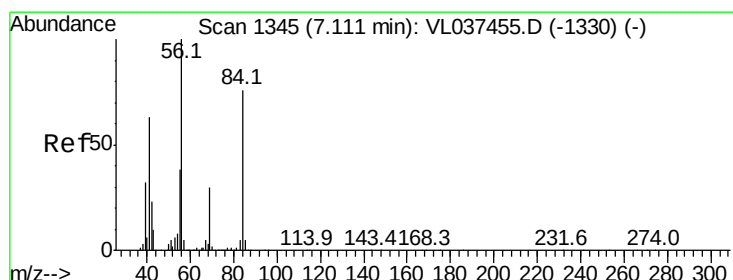
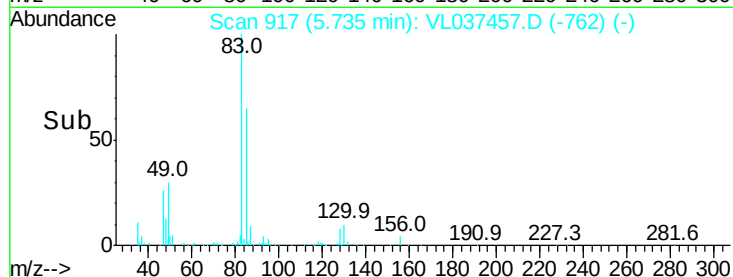
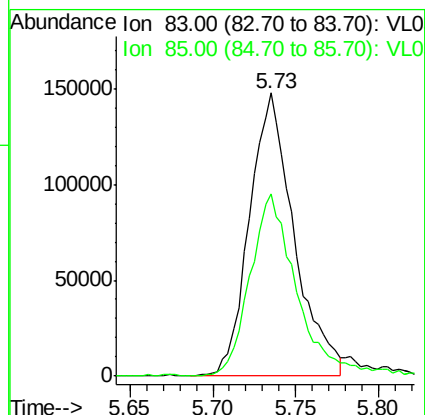
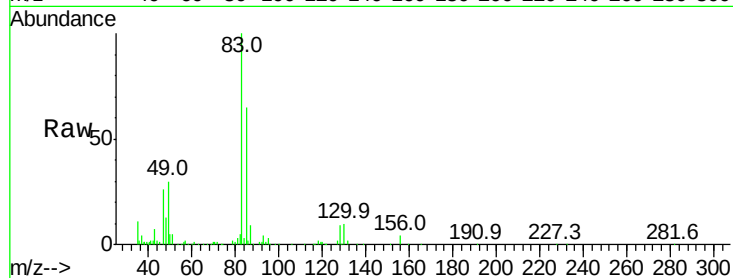




#29
Chloroform
Concen: 0.996 ppbv
RT: 5.73 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

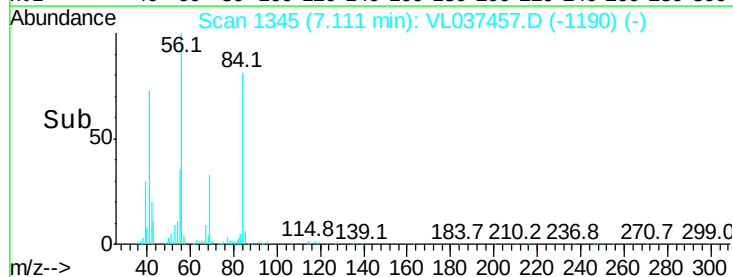
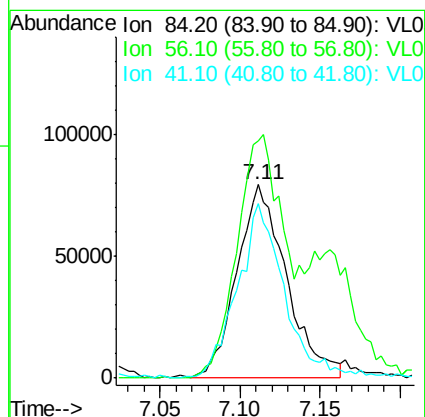
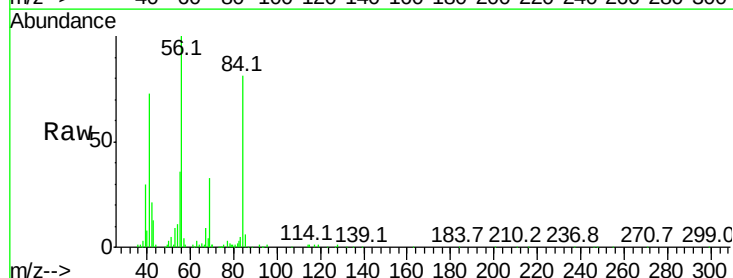
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

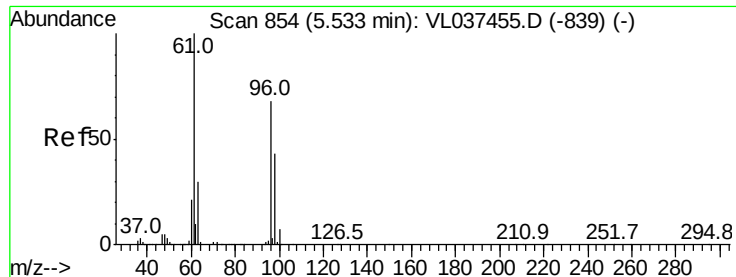
Tgt Ion: 83 Resp: 277228
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5



#30
Cyclohexane
Concen: 1.037 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion: 84 Resp: 168884
Ion Ratio Lower Upper
84 100
56 188.0 110.6 165.8#
41 85.6 67.0 100.6



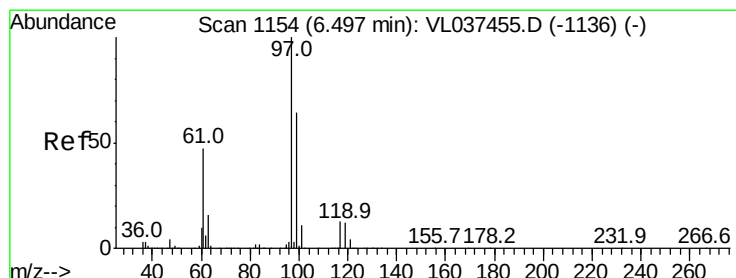
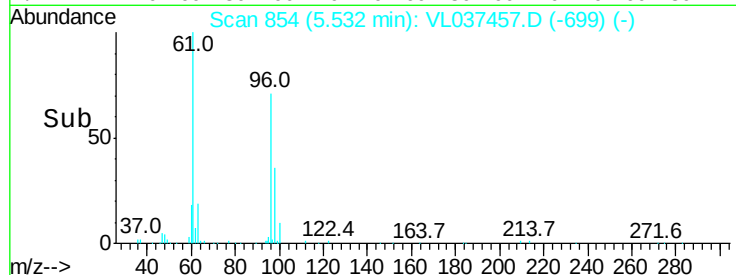
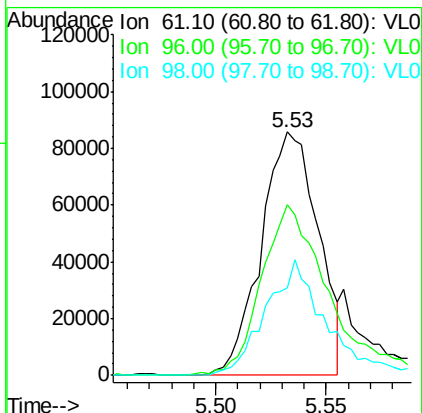
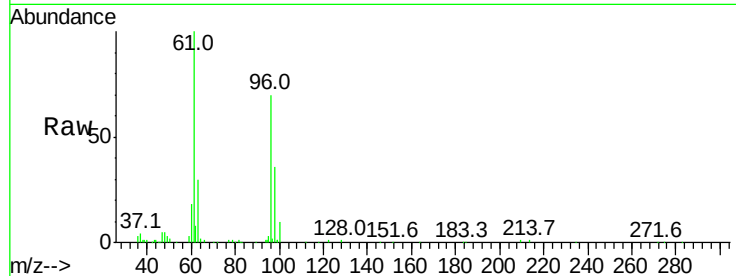


#31

cis-1,2-Dichloroethene
Concen: 0.898 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

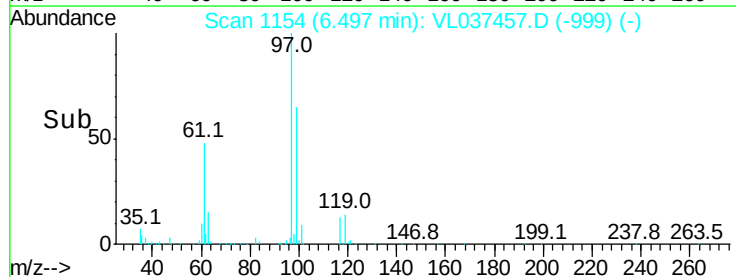
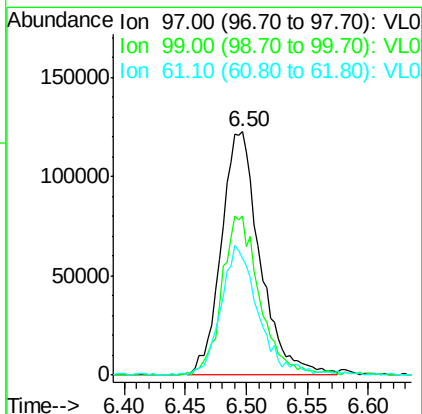
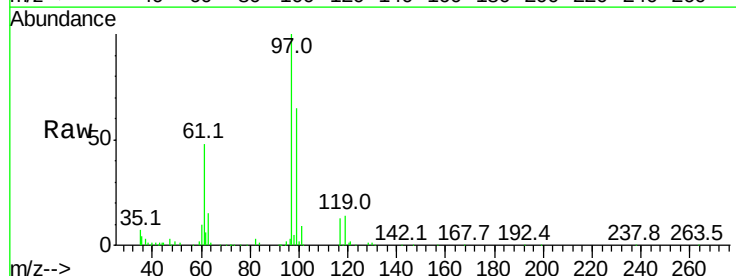
Tgt Ion	Ratio	Lower	Upper
61	100		
96	70.0	54.8	82.2
98	35.8	34.2	51.2

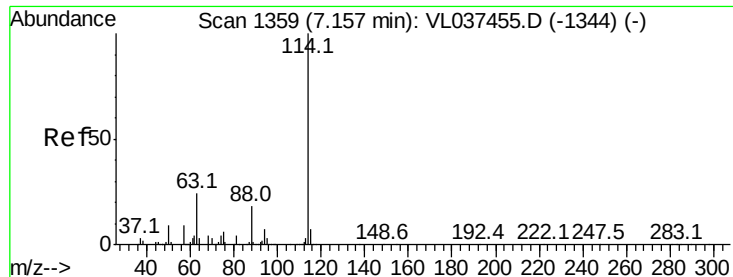


#32

1,1,1-Trichloroethane
Concen: 0.969 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	52.2	39.6	59.4

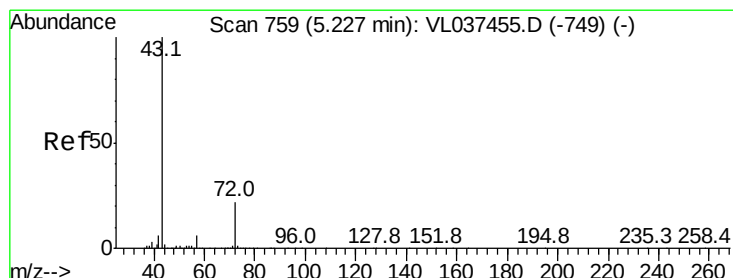
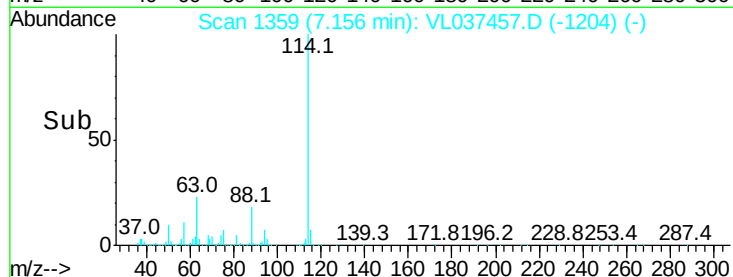
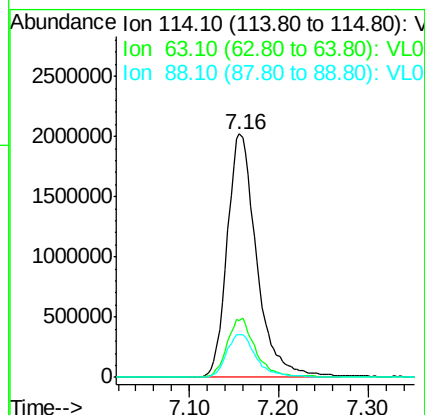
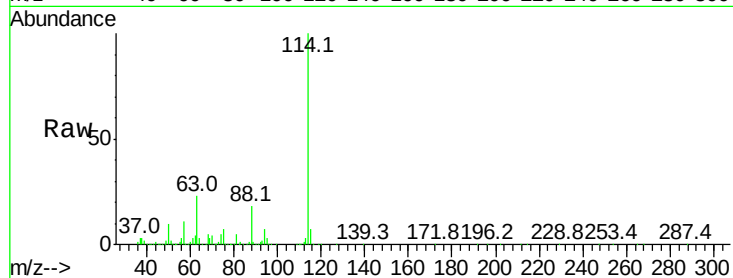




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

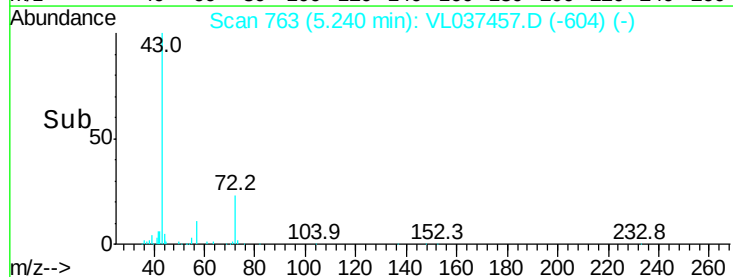
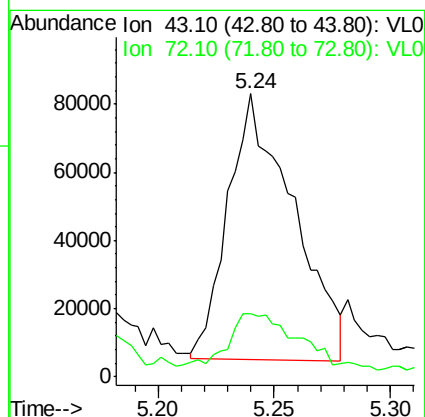
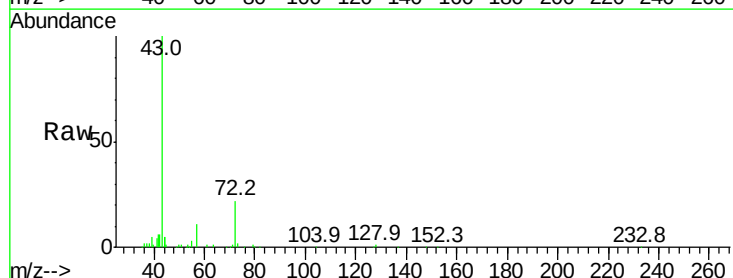
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

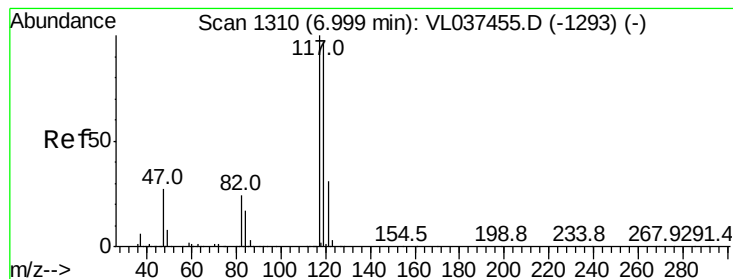
Tgt Ion:114 Resp: 4636665
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.3 28.9
 88 18.1 14.2 21.4



#34
 2-Butanone
 Concen: 0.793 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion: 43 Resp: 151887
 Ion Ratio Lower Upper
 43 100
 72 34.0 17.4 26.0#





#35

Carbon Tetrachloride

Concen: 0.925 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

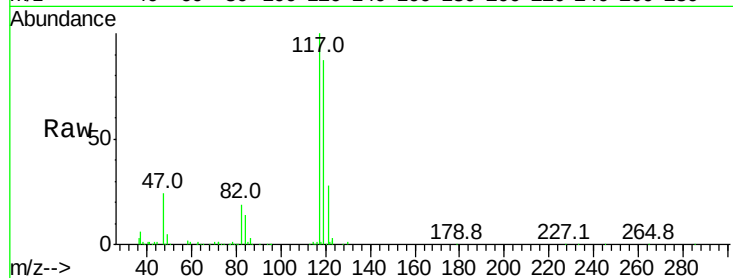
Tgt Ion: 117 Resp: 264442

Ion Ratio Lower Upper

117 100

119 87.1 77.3 115.9

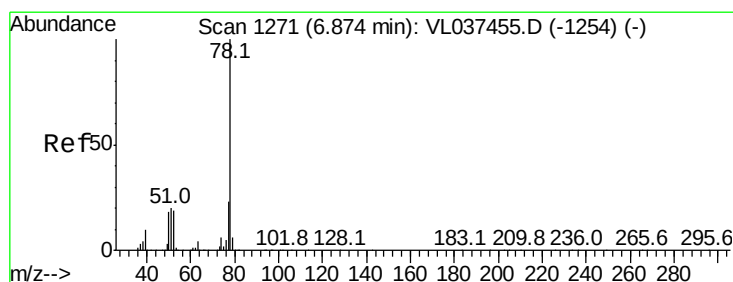
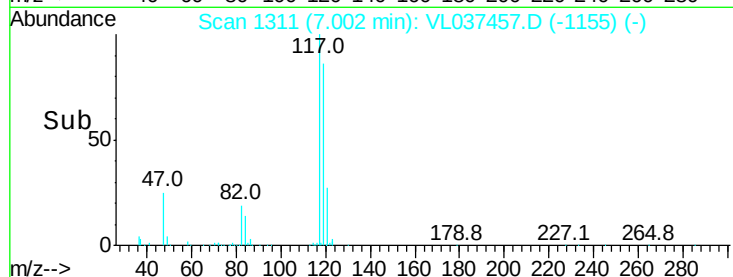
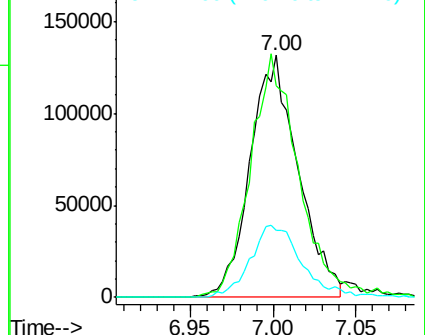
121 27.8 25.2 37.8



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: 0.961 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

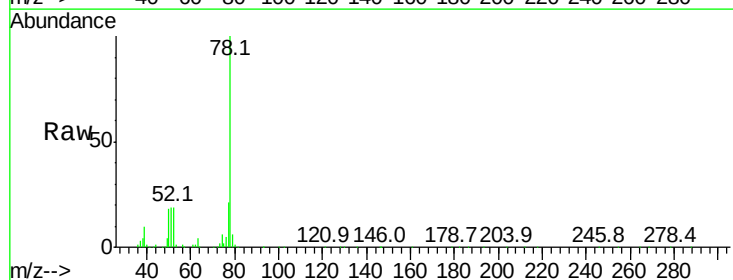
Tgt Ion: 78 Resp: 375697

Ion Ratio Lower Upper

78 100

77 21.2 18.2 27.4

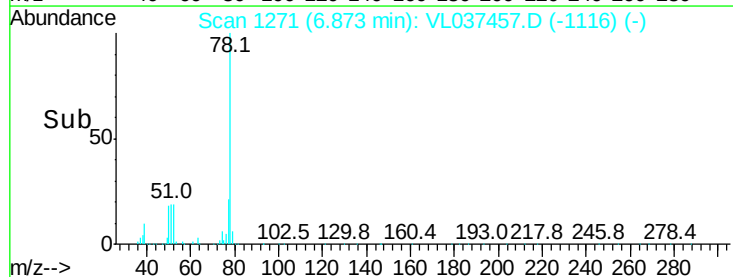
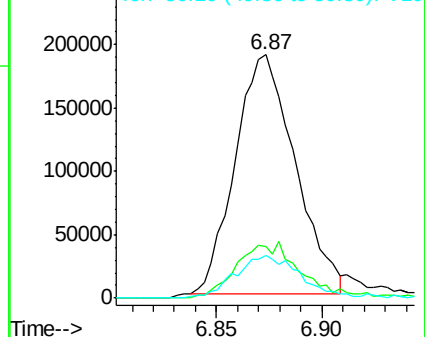
50 16.9 14.6 21.8

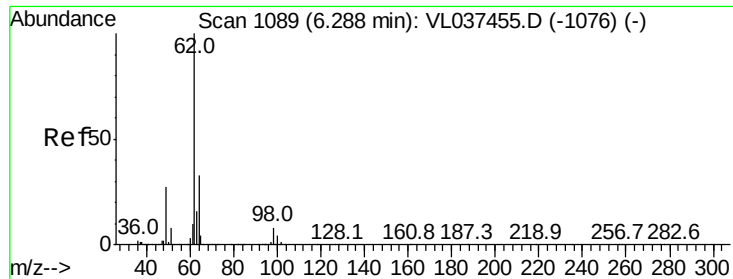


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

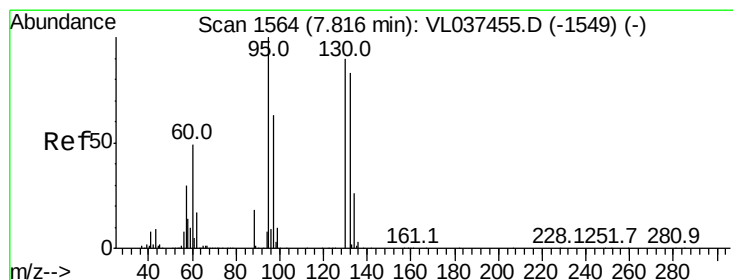
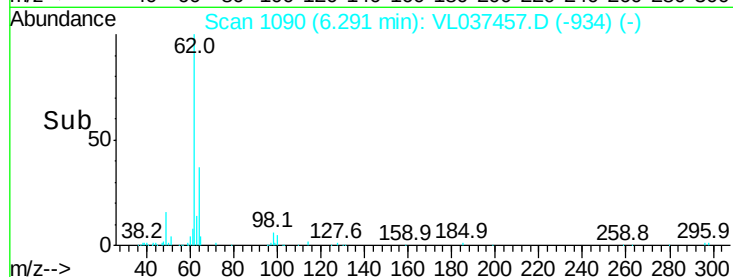
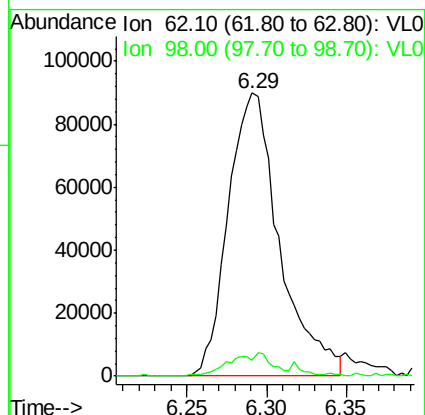
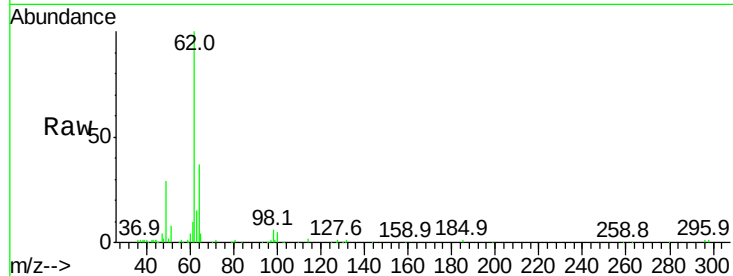




#37
 1,2-Dichloroethane
 Concen: 0.989 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

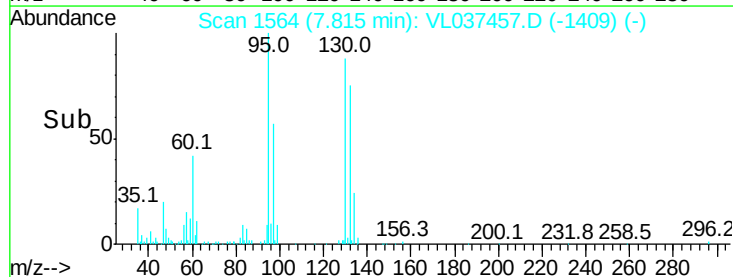
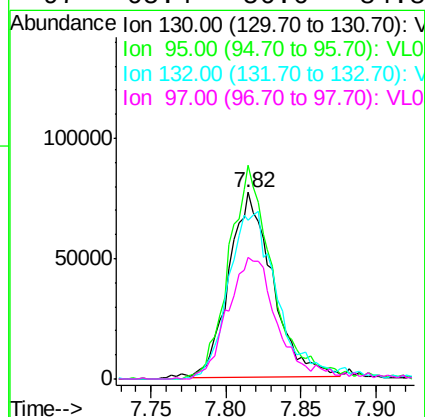
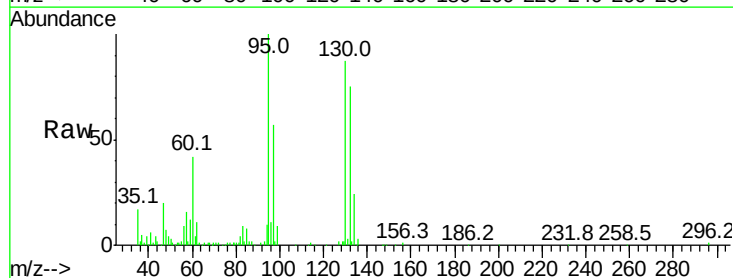
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

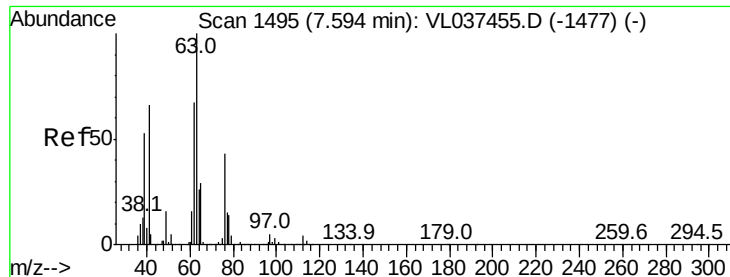
Tgt Ion: 62 Resp: 197428
 Ion Ratio Lower Upper
 62 100
 98 8.2 6.0 9.0



#38
 Trichloroethene
 Concen: 0.908 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion: 130 Resp: 156690
 Ion Ratio Lower Upper
 130 100
 95 113.8 89.2 133.8
 132 85.4 74.0 111.0
 97 65.4 56.6 84.8





#39

1,2-Dichloropropane

Concen: 0.580 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

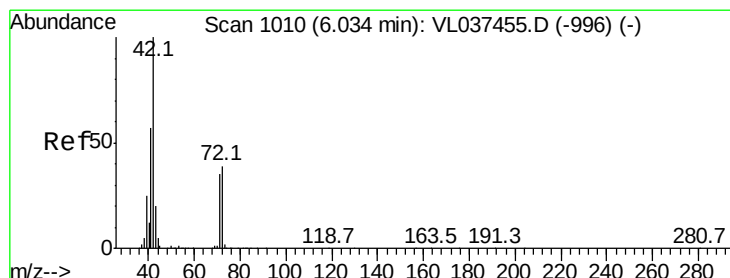
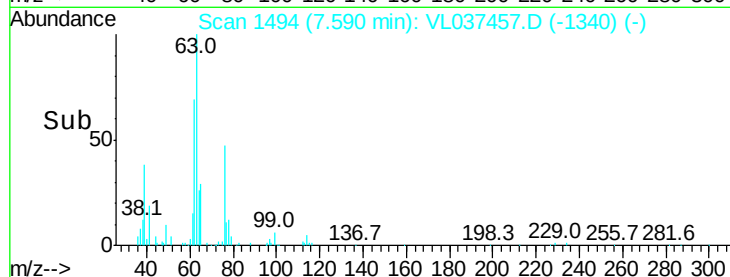
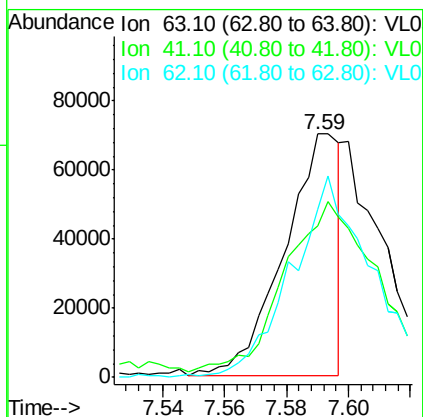
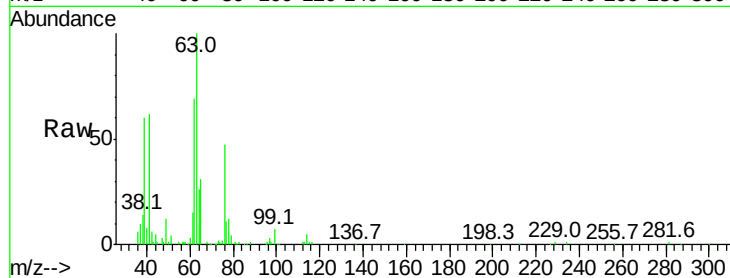
Tgt Ion: 63 Resp: 86400

Ion Ratio Lower Upper

63 100

41 60.1 52.4 78.6

62 68.4 53.6 80.4



#41

Tetrahydrofuran

Concen: 0.938 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

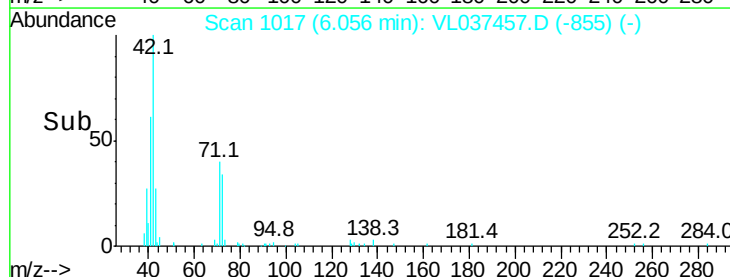
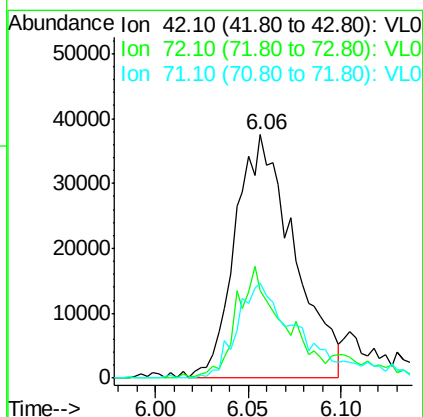
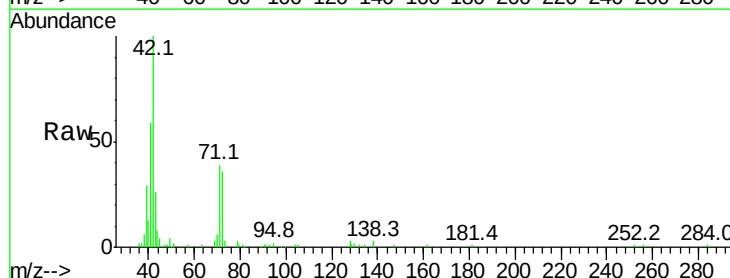
Tgt Ion: 42 Resp: 82453

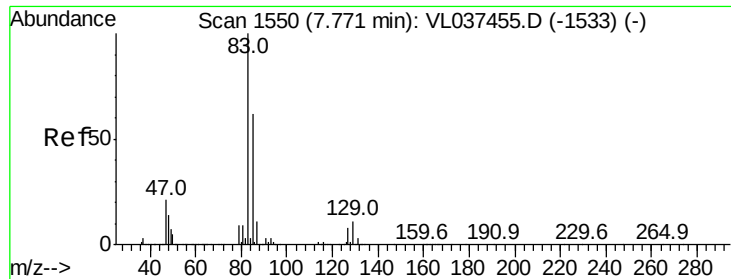
Ion Ratio Lower Upper

42 100

72 44.1 32.2 48.4

71 45.2 30.5 45.7





#42

Bromodichloromethane

Concen: 0.449 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

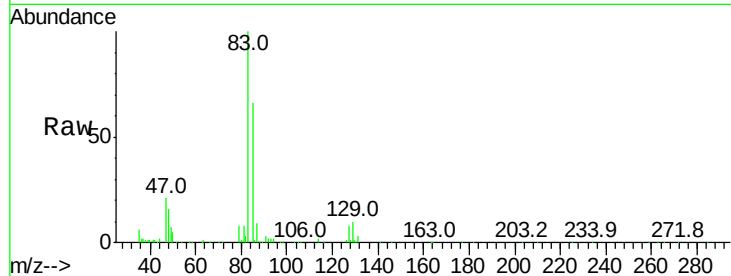
Tgt Ion: 83 Resp: 125563

Ion Ratio Lower Upper

83 100

85 66.3 49.5 74.3

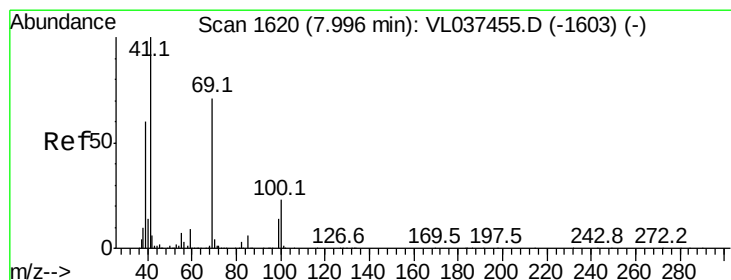
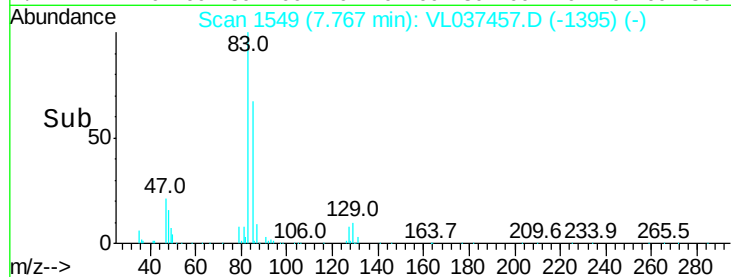
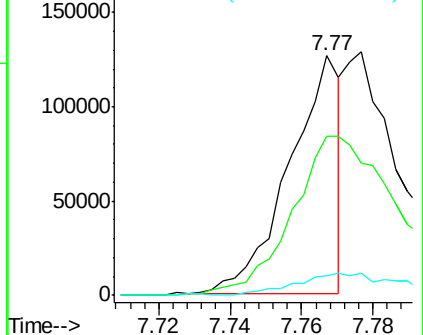
127 7.3 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.544 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

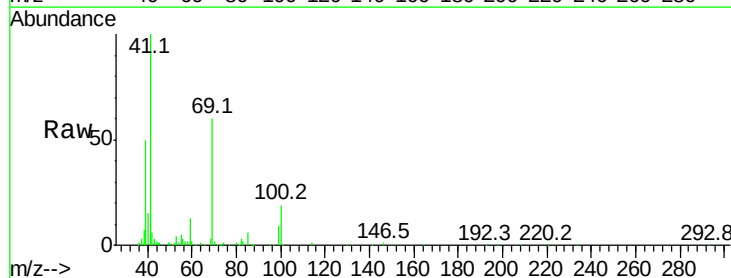
Tgt Ion: 69 Resp: 72026

Ion Ratio Lower Upper

69 100

41 271.8 118.6 178.0#

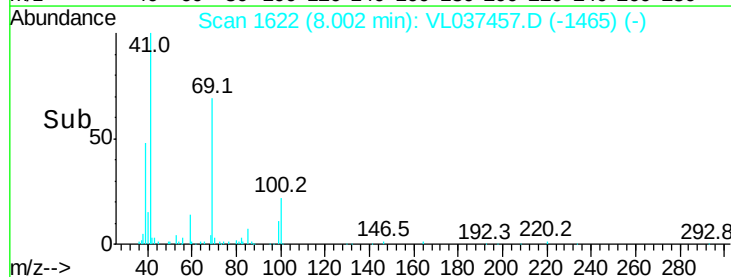
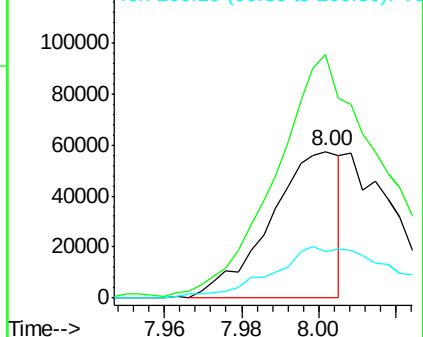
100 65.2 27.4 41.0#

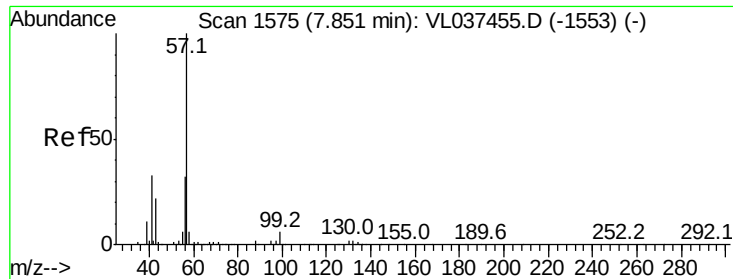


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

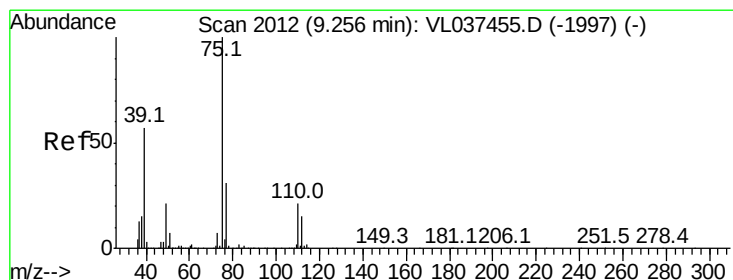
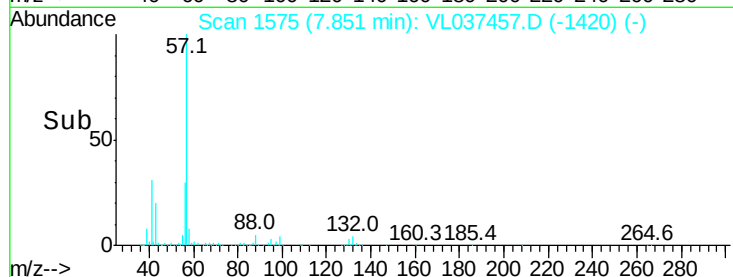
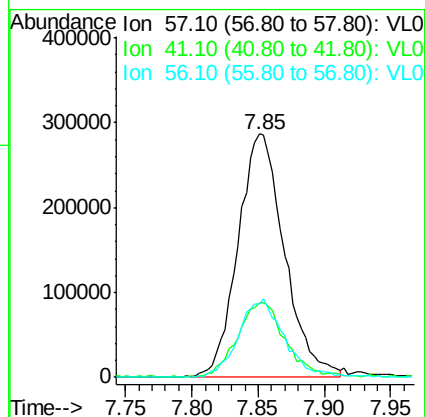
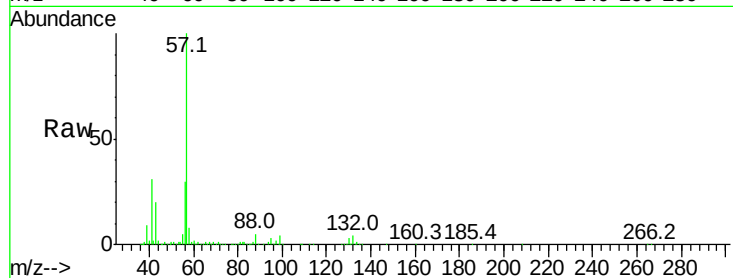




#44
 2,2,4-Trimethylpentane
 Concen: 1.059 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

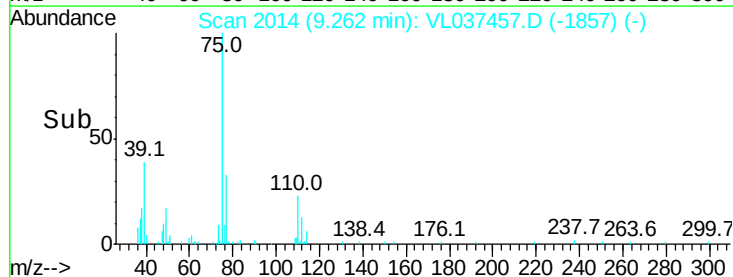
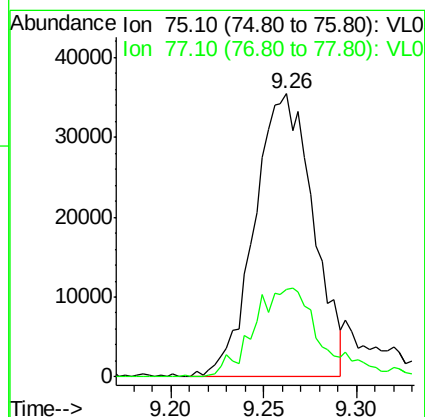
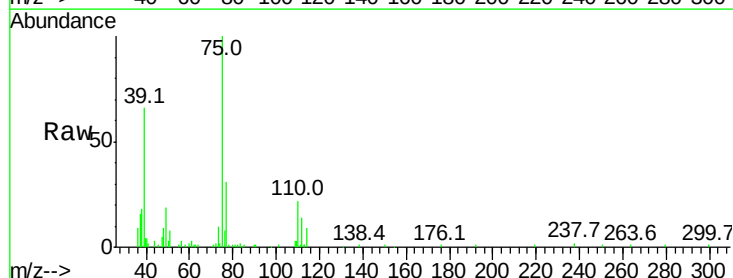
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

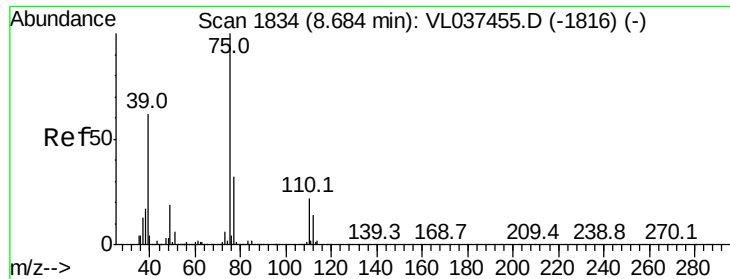
Tgt Ion: 57 Resp: 692573
 Ion Ratio Lower Upper
 57 100
 41 32.3 26.2 39.4
 56 32.4 25.4 38.2



#45
 t-1,3-Dichloropropene
 Concen: 0.790 ppbv
 RT: 9.26 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion: 75 Resp: 77784
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.5 36.7





#46

cis-1,3-Dichloropropene

Concen: 0.947 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

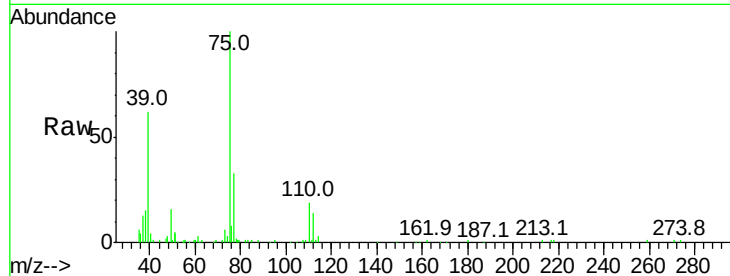
Tgt Ion: 75 Resp: 130119

Ion Ratio Lower Upper

75 100

39 61.7 49.7 74.5

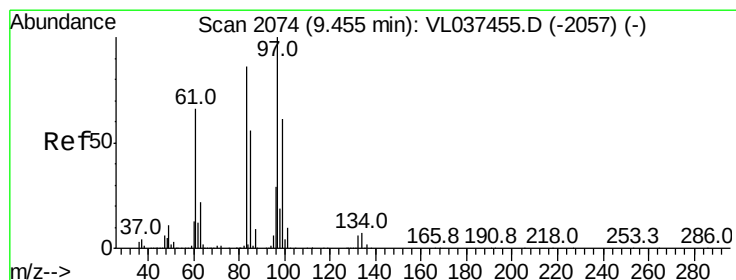
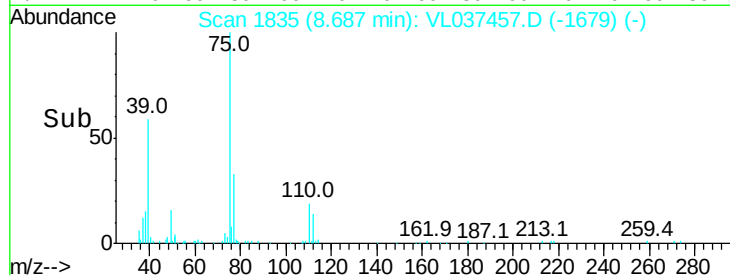
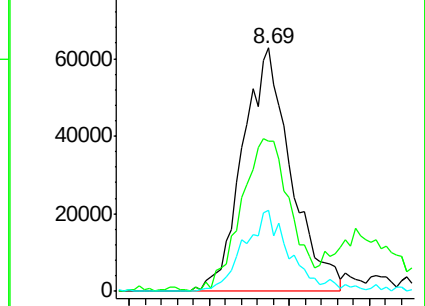
77 33.1 25.4 38.0



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



#47

1,1,2-Trichloroethane

Concen: 1.015 ppbv

RT: 9.46 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion: 97 Resp: 163448

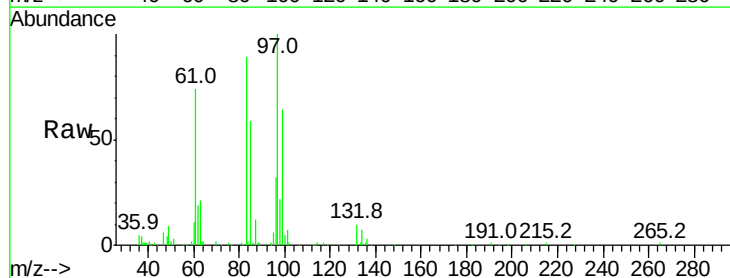
Ion Ratio Lower Upper

97 100

83 89.1 68.7 103.1

85 59.4 44.7 67.1

99 64.6 48.6 72.8

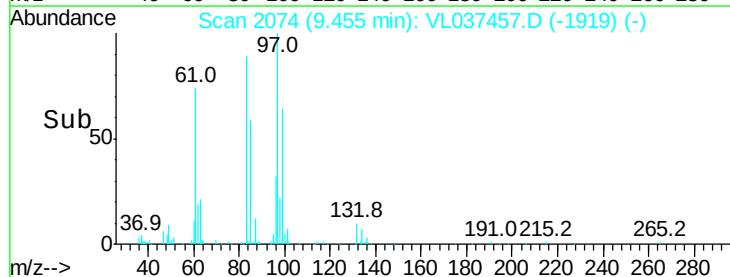
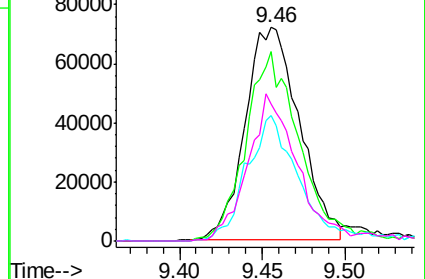


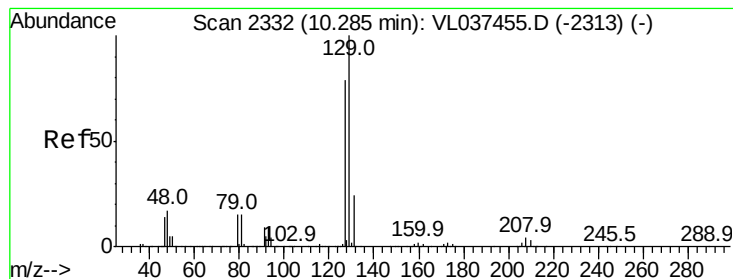
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0





#48

Dibromochloromethane

Concen: 0.966 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

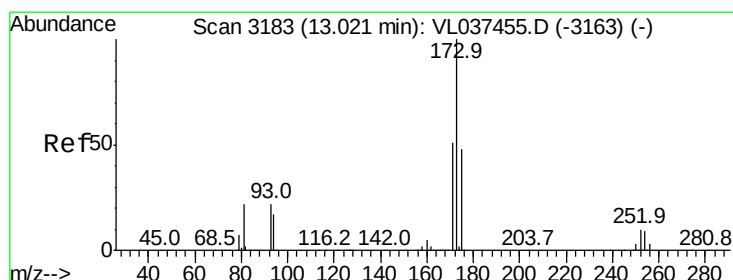
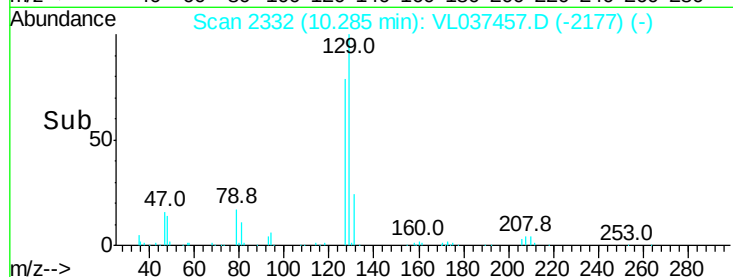
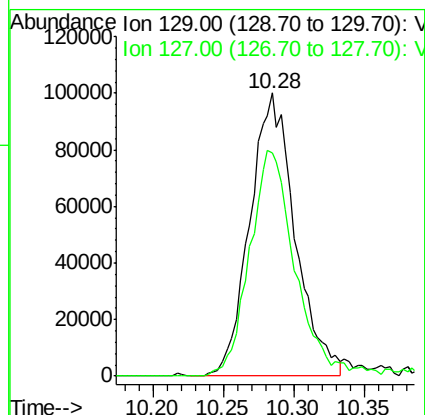
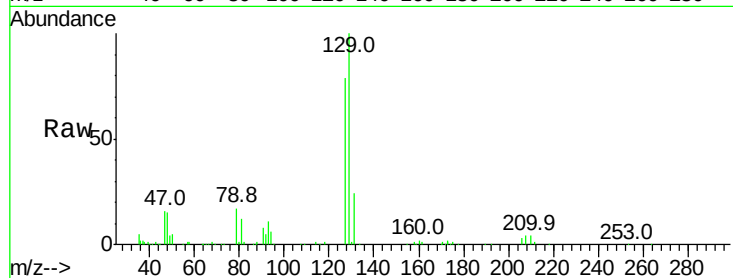
VSTDIC001

Tgt Ion:129 Resp: 224304

Ion Ratio Lower Upper

129 100

127 80.4 40.0 120.0



#49

Bromoform

Concen: 0.924 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

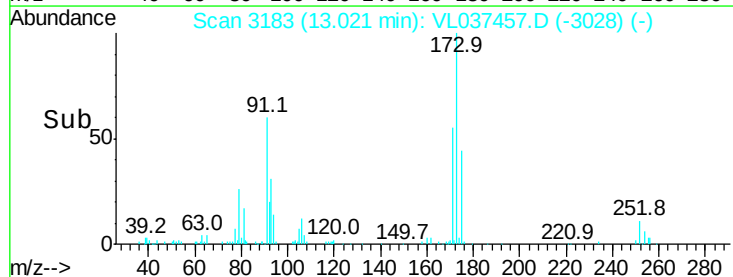
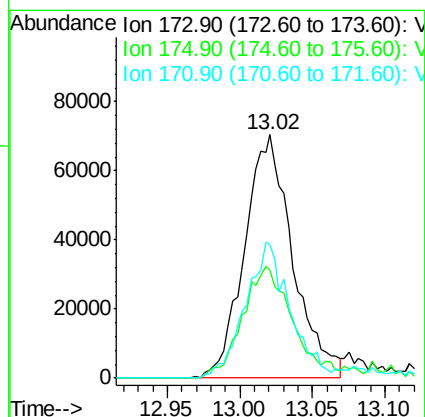
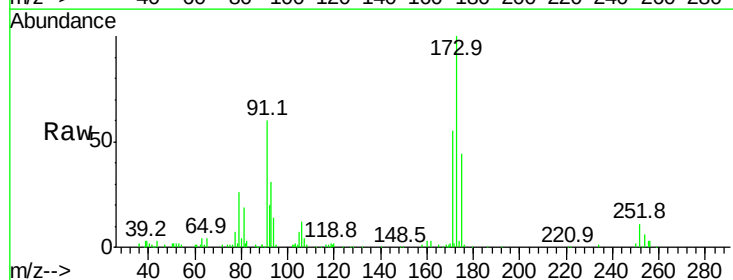
Tgt Ion:173 Resp: 162652

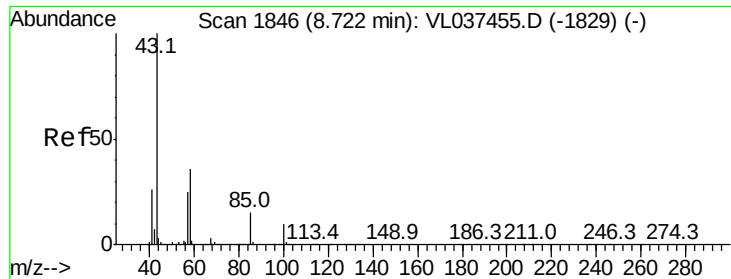
Ion Ratio Lower Upper

173 100

175 52.4 41.9 62.9

171 57.0 44.2 66.4

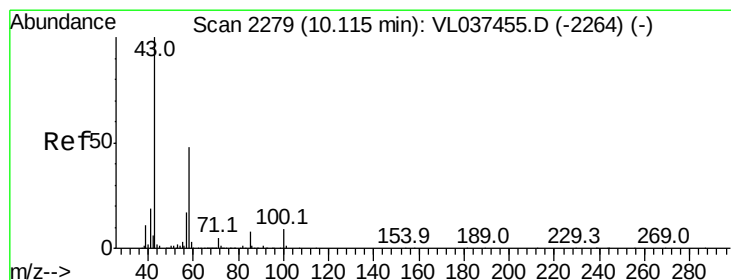
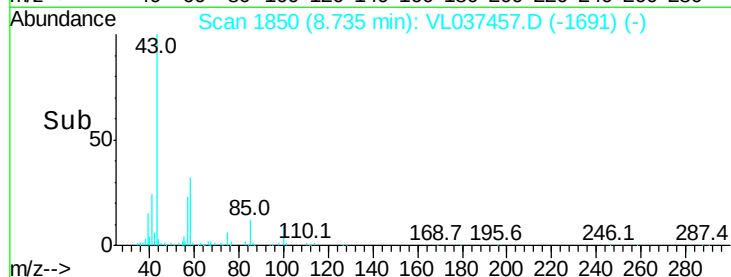
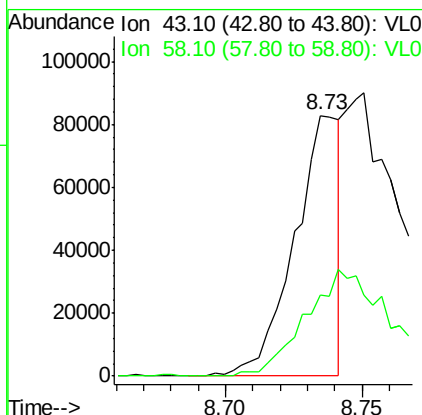
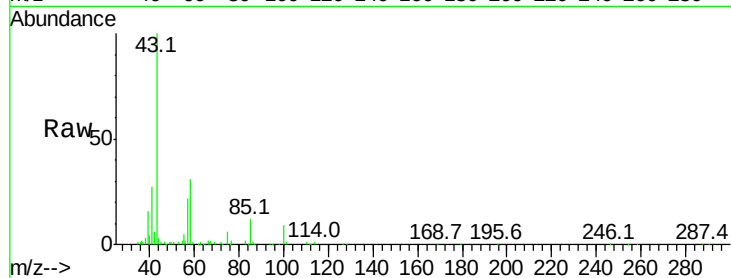




#50
 4-Methyl-2-Pentanone
 Concen: 0.395 ppbv
 RT: 8.73 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

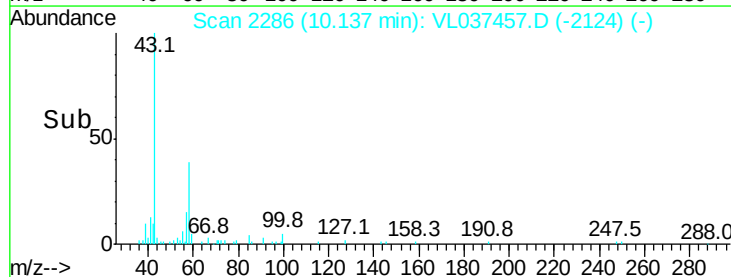
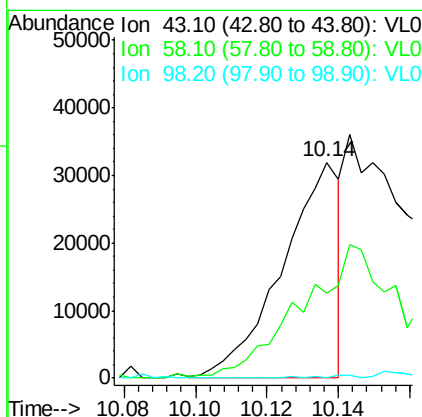
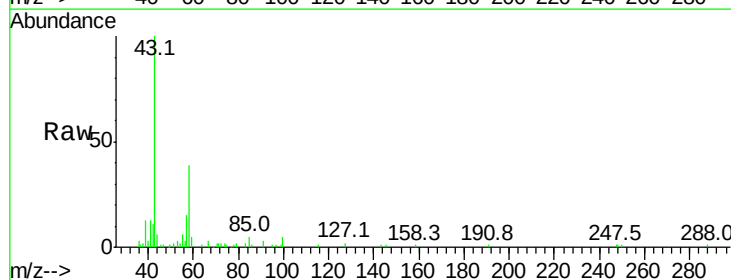
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

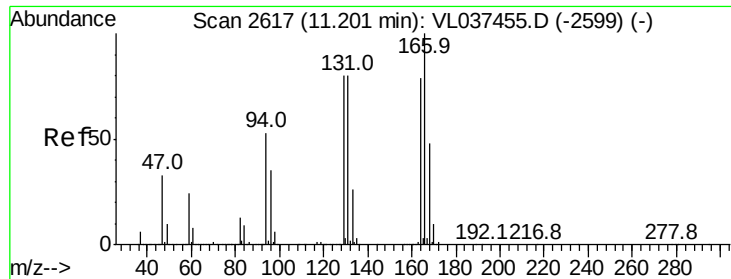
Tgt Ion: 43 Resp: 95134
 Ion Ratio Lower Upper
 43 100
 58 97.5 29.9 44.9#



#51
 2-Hexanone
 Concen: 0.315 ppbv
 RT: 10.14 min Scan# 2286
 Delta R.T. 0.02 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion: 43 Resp: 35638
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.0 61.6#
 98 0.5 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.525 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 86509

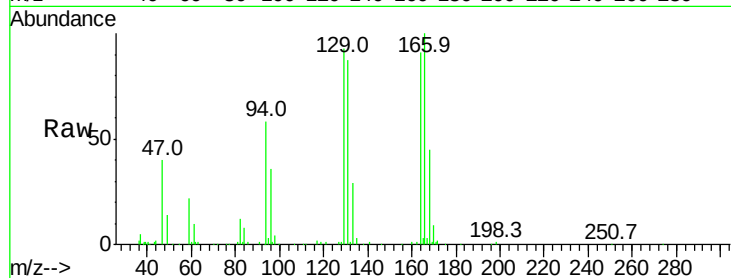
Ion Ratio Lower Upper

164 100

166 106.2 100.7 151.1

129 101.6 80.9 121.3

131 93.6 80.2 120.4

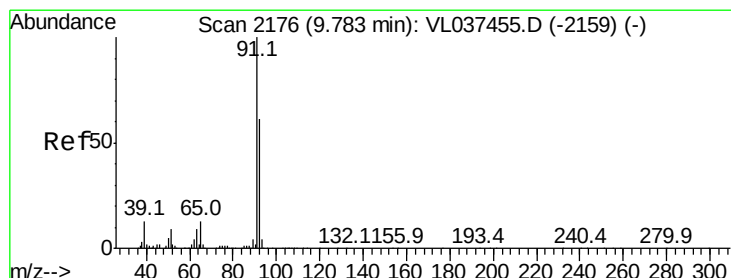
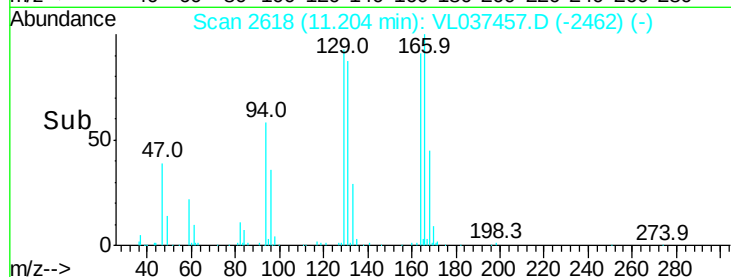
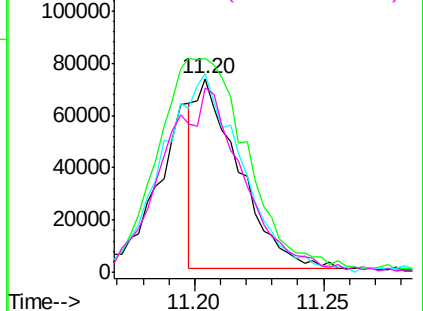


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.000 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037457.D

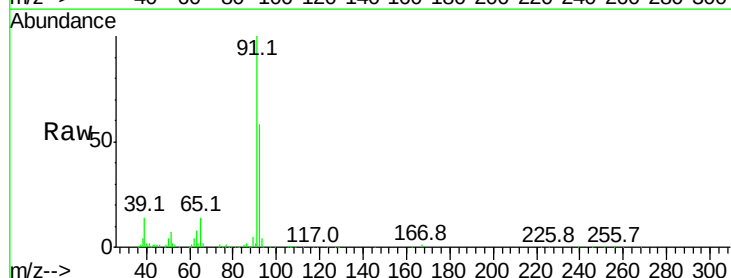
Acq: 16 Aug 2021 11:45

Tgt Ion: 91 Resp: 446247

Ion Ratio Lower Upper

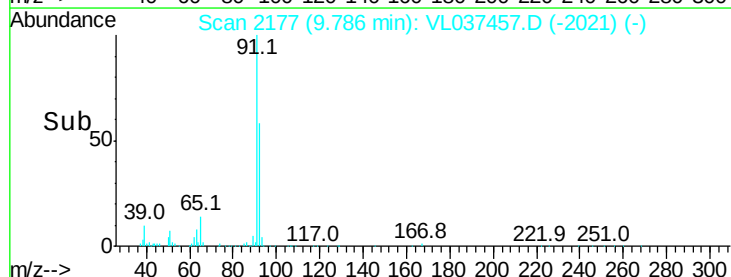
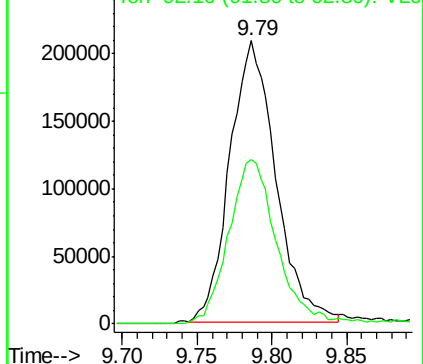
91 100

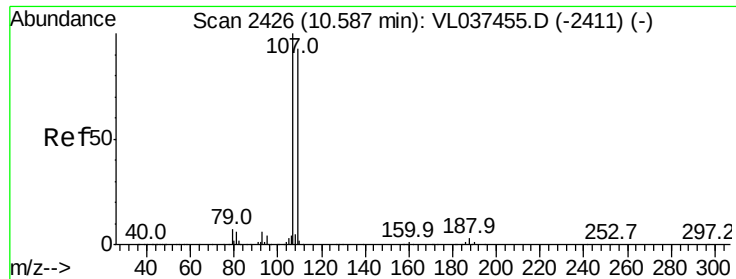
92 61.0 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.999 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

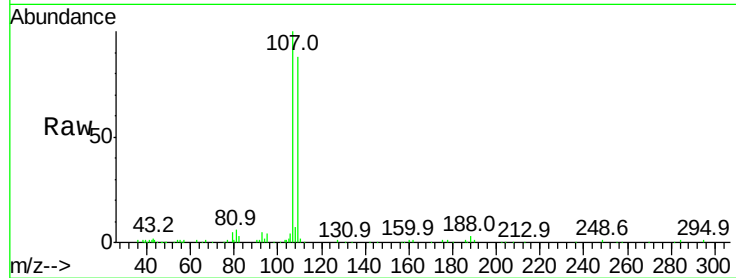
VSTDIC001

Tgt Ion:107 Resp: 218915

Ion Ratio Lower Upper

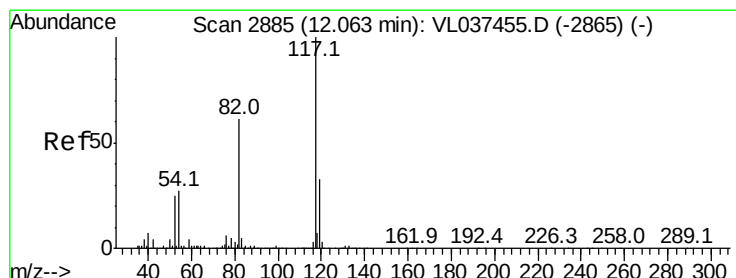
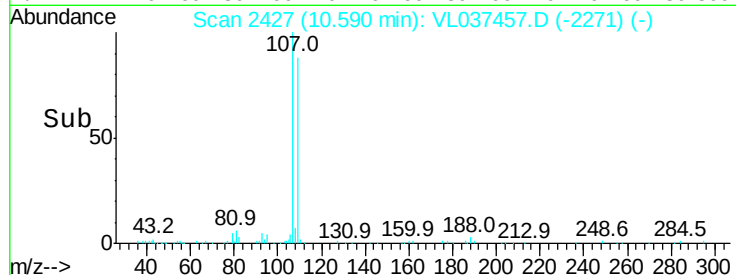
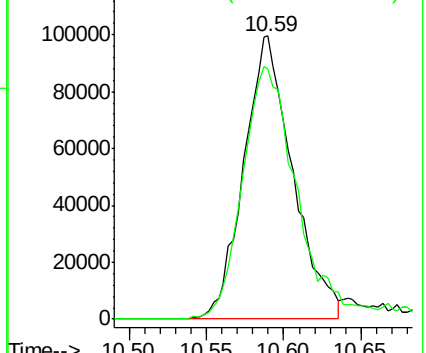
107 100

109 87.9 74.2 111.4



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: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

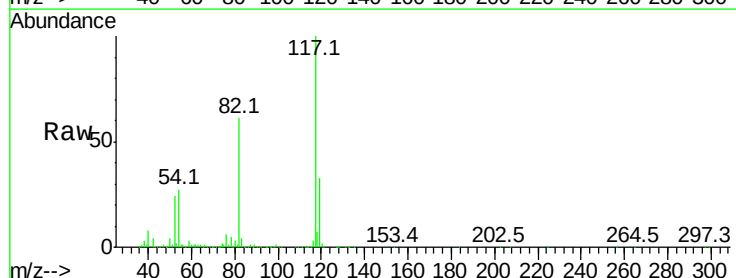
Tgt Ion:117 Resp: 4021052

Ion Ratio Lower Upper

117 100

82 64.9 52.9 79.3

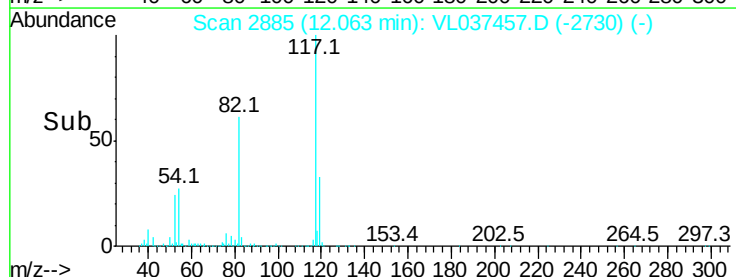
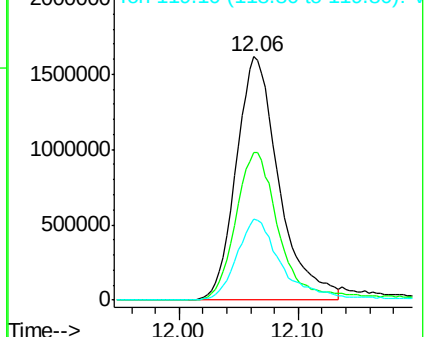
119 36.4 24.8 37.2

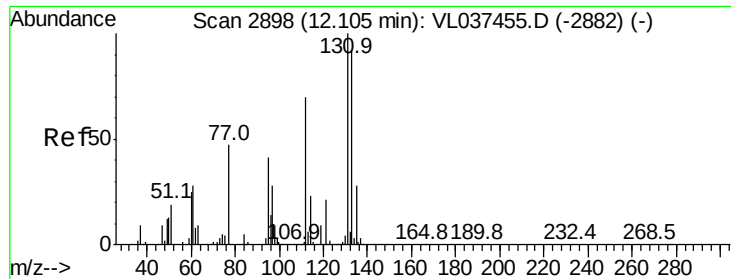


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

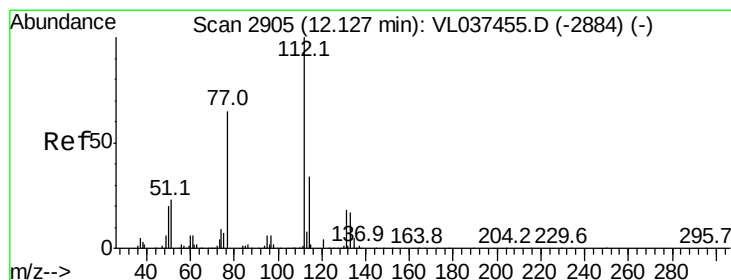
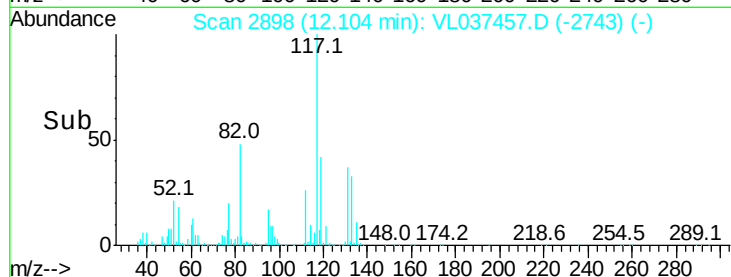
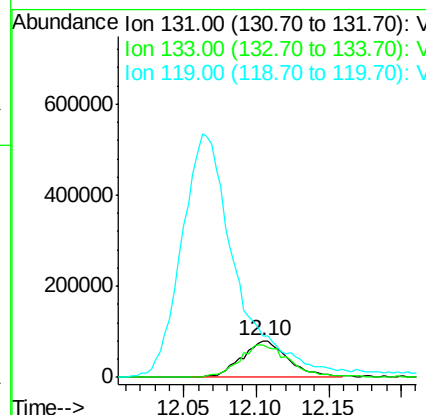
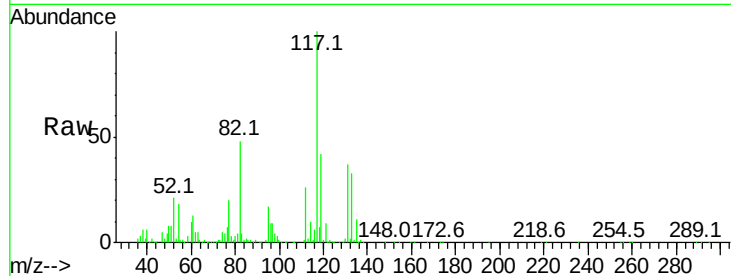




#56
 1,1,1,2-Tetrachloroethane
 Concen: 1.122 ppbv
 RT: 12.10 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

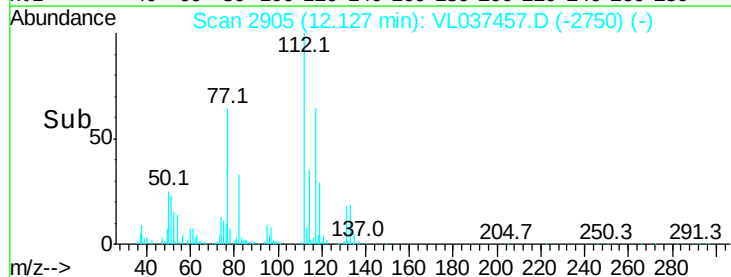
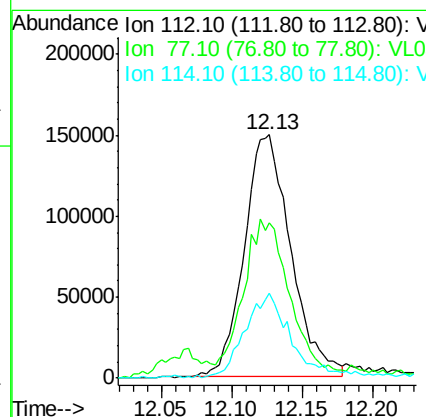
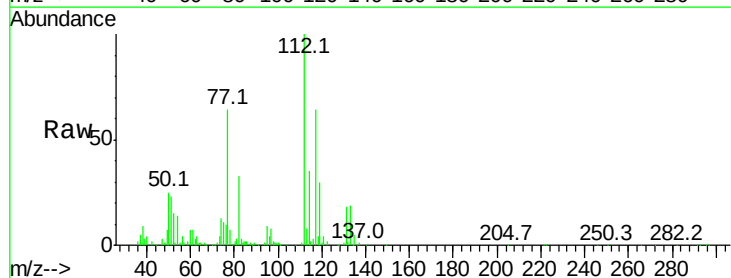
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

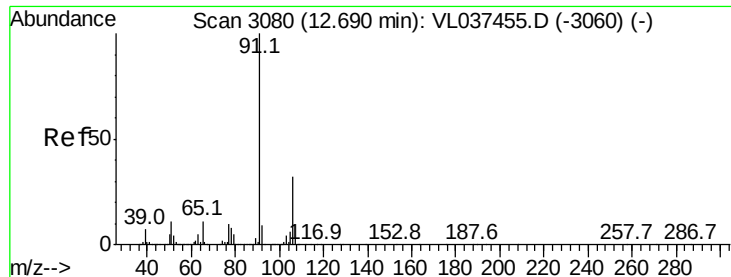
Tgt Ion:131 Resp: 179570
 Ion Ratio Lower Upper
 131 100
 133 98.3 78.7 118.1
 119 816.3 56.6 85.0#



#57
 Chlorobenzene
 Concen: 1.063 ppbv
 RT: 12.13 min Scan# 2905
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion:112 Resp: 346278
 Ion Ratio Lower Upper
 112 100
 77 61.1 51.6 77.4
 114 35.1 30.7 37.5





#58

Ethyl Benzene

Concen: 1.044 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

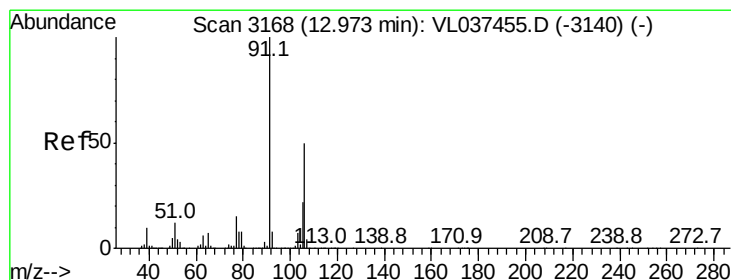
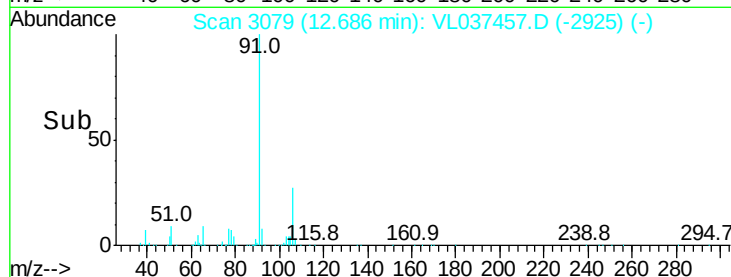
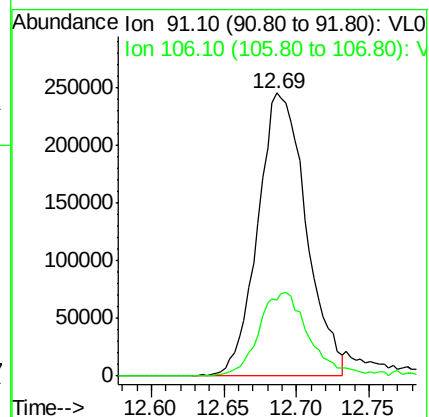
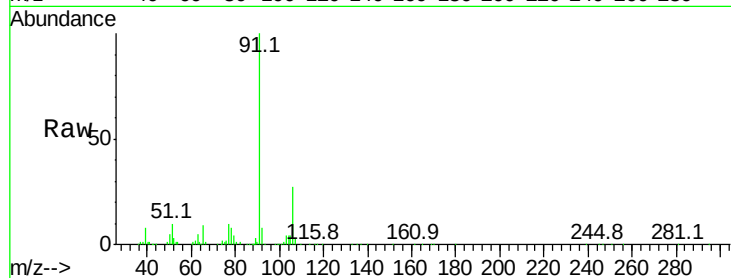
VSTDIC001

Tgt Ion: 91 Resp: 569413

Ion Ratio Lower Upper

91 100

106 26.8 25.7 38.5



#59

m/p-Xylene

Concen: 1.047 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VL037457.D

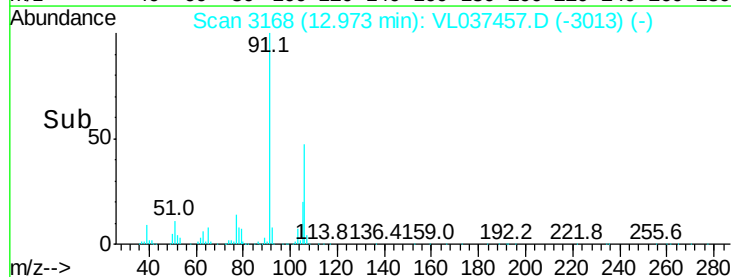
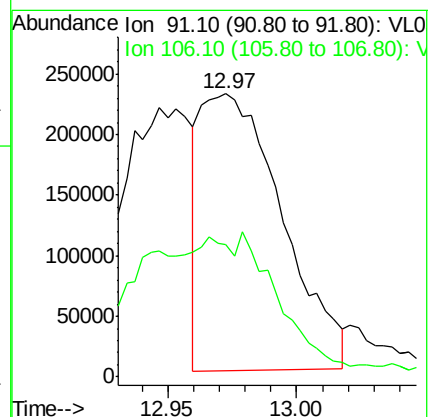
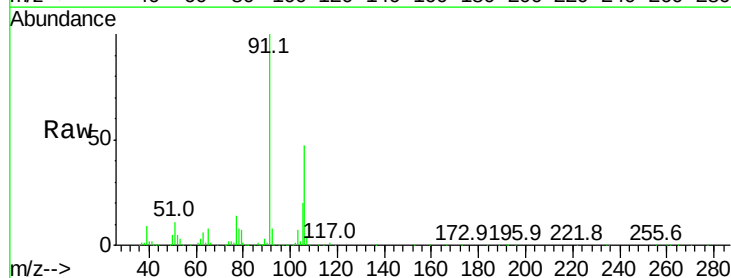
Acq: 16 Aug 2021 11:45

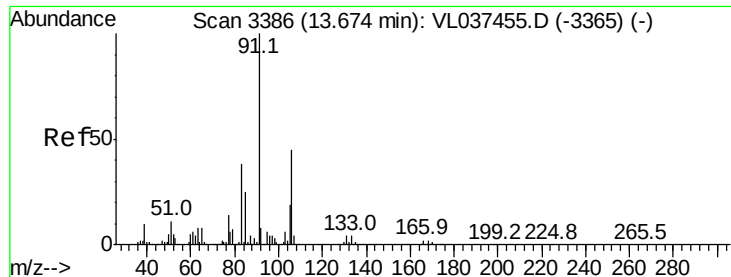
Tgt Ion: 91 Resp: 501858

Ion Ratio Lower Upper

91 100

106 93.5 36.9 55.3#





#60

o-Xylene

Concen: 0.551 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

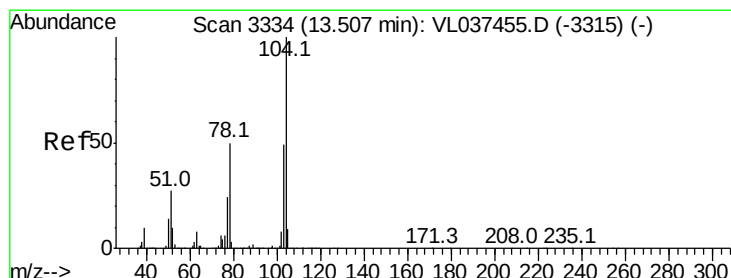
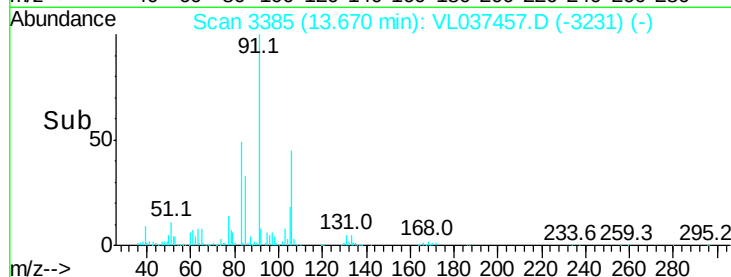
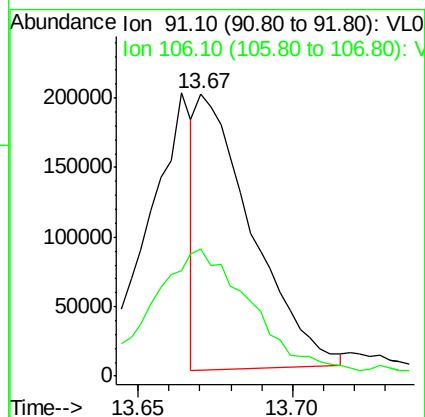
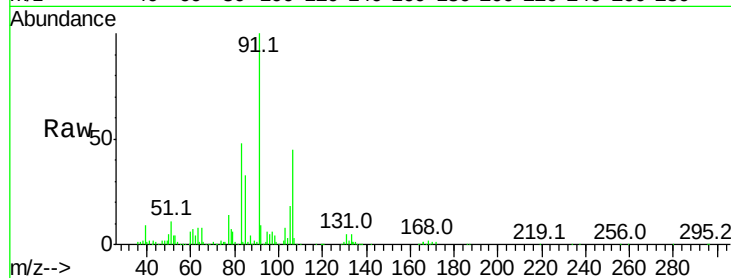
VSTDIC001

Tgt Ion: 91 Resp: 245195

Ion Ratio Lower Upper

91 100

106 92.9 23.7 71.1#



#61

Styrene

Concen: 0.989 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

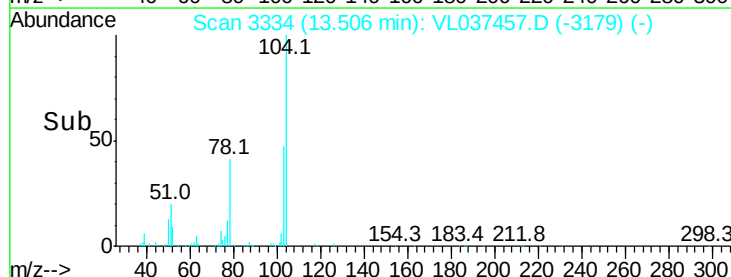
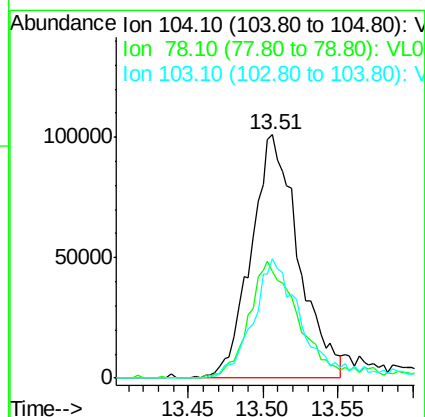
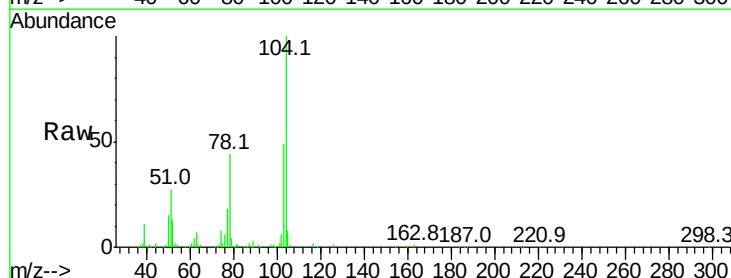
Tgt Ion: 104 Resp: 222461

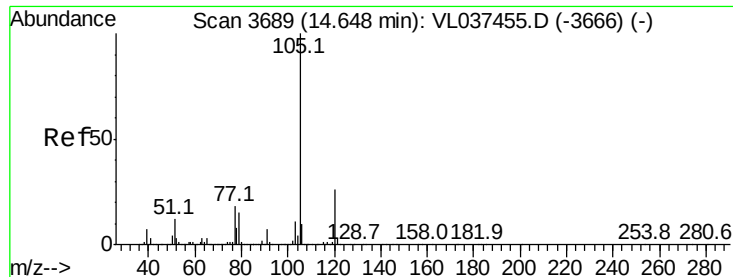
Ion Ratio Lower Upper

104 100

78 53.8 41.3 61.9

103 50.5 39.4 59.0





#62

Isopropylbenzene

Concen: 1.054 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.01 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

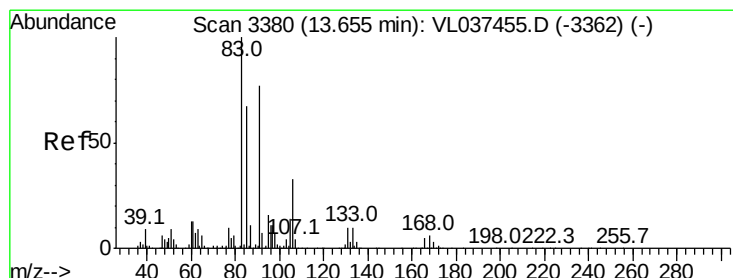
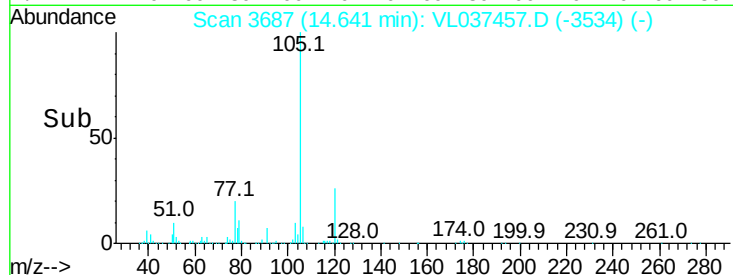
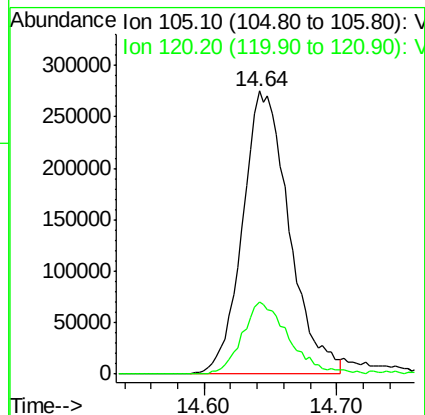
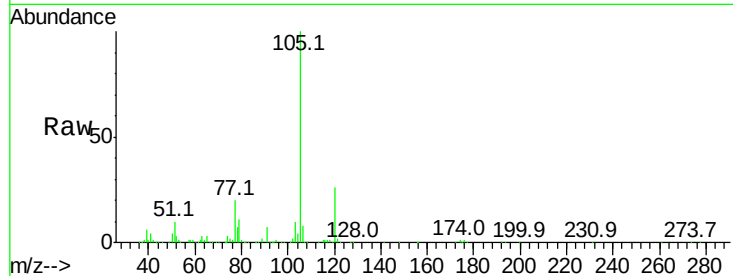
VSTDIC001

Tgt Ion: 105 Resp: 671157

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3



#63

1,1,2,2-Tetrachloroethane

Concen: 1.050 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

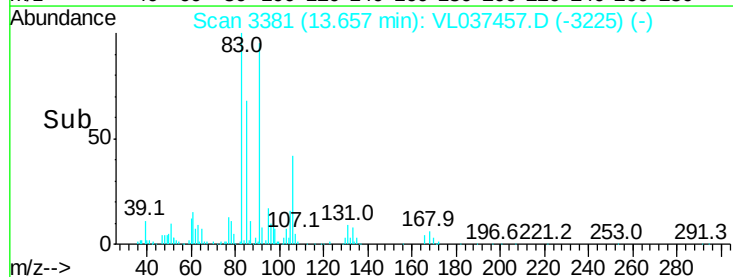
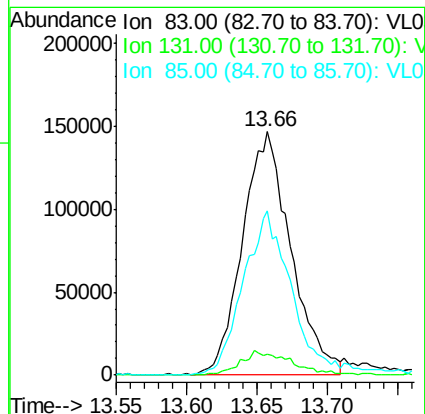
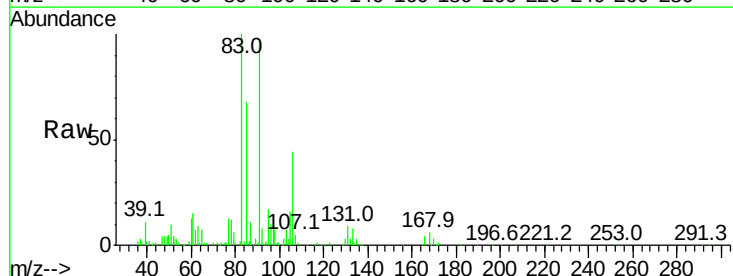
Tgt Ion: 83 Resp: 352642

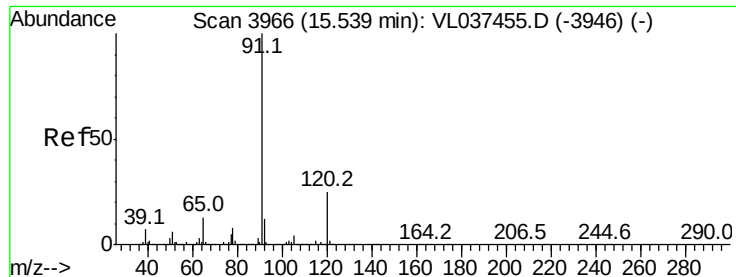
Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

85 69.7 33.8 101.3





#64

n-propylbenzene

Concen: 1.043 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

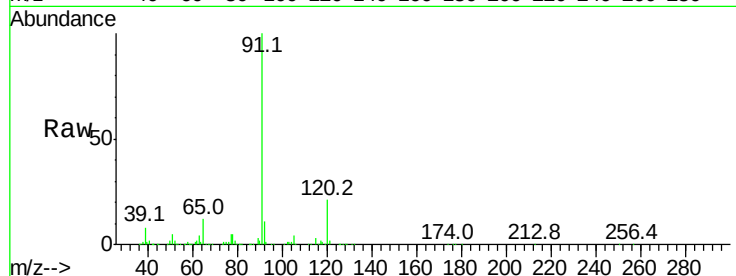
VSTDIC001

Tgt Ion:120 Resp: 167011

Ion Ratio Lower Upper

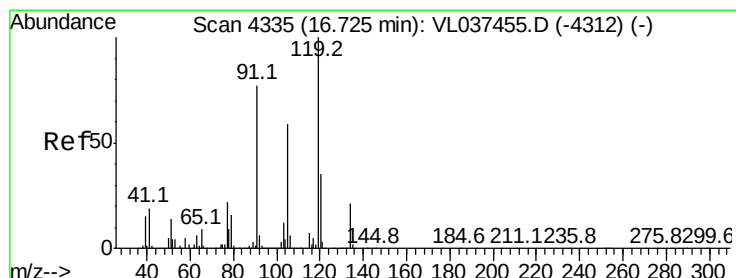
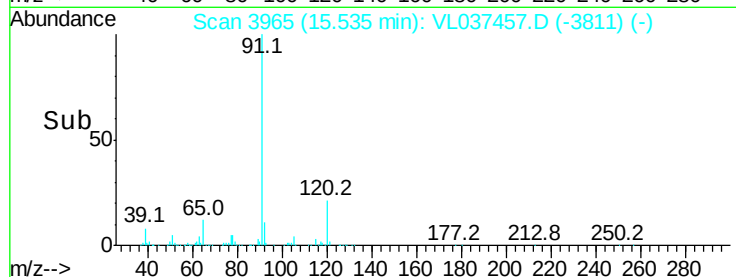
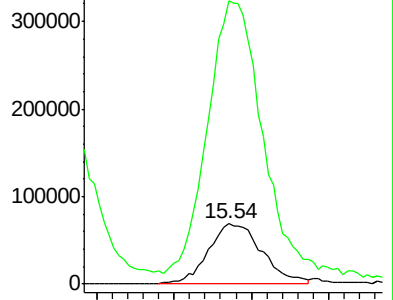
120 100

91 510.6 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 1.107 ppbv

RT: 16.72 min Scan# 4335

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

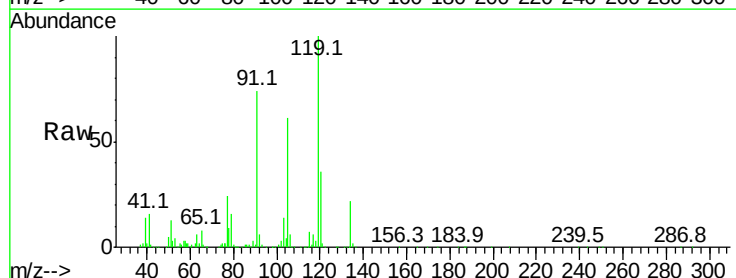
Tgt Ion:119 Resp: 635709

Ion Ratio Lower Upper

119 100

91 82.2 62.9 94.3

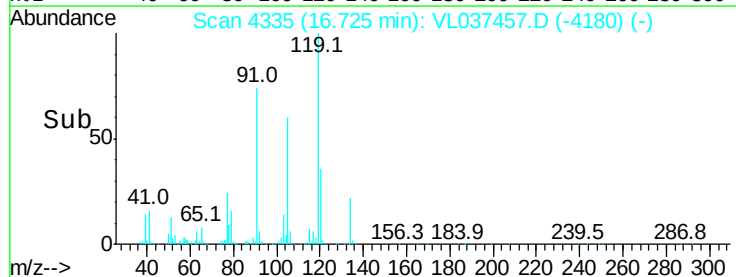
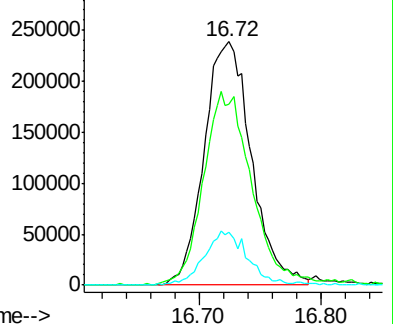
134 20.9 16.4 24.6

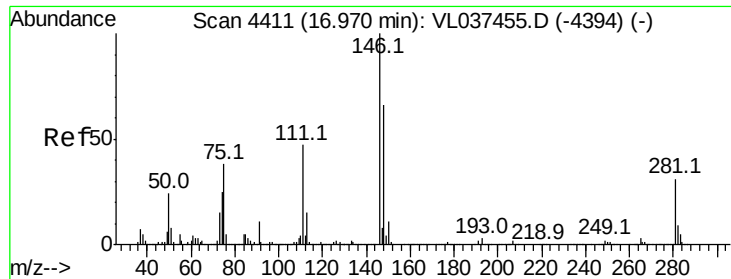


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

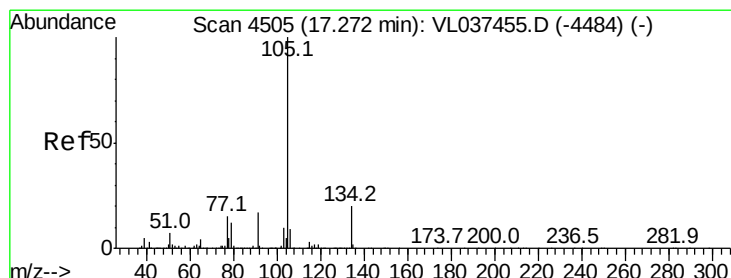
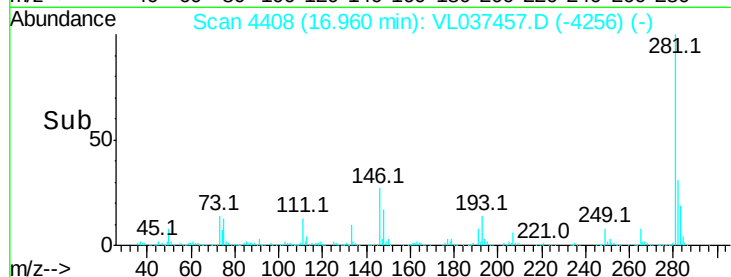
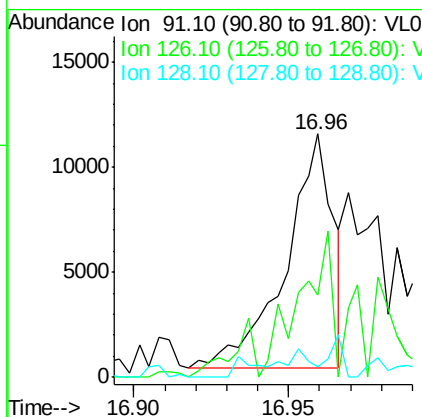
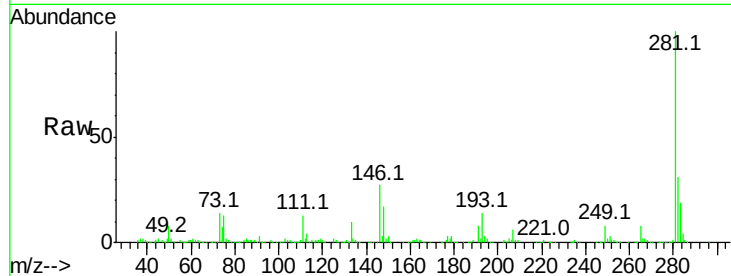




#66
Benzyl Chloride
Concen: 0.451 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

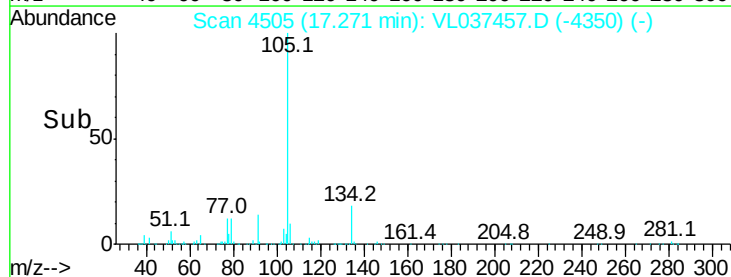
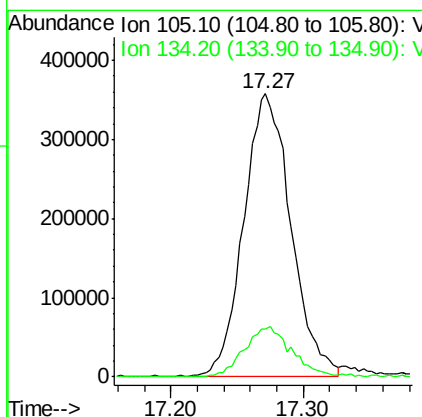
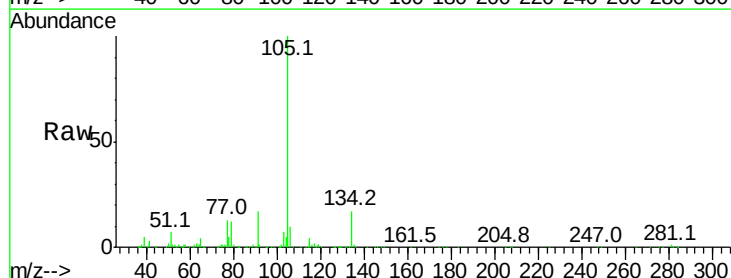
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

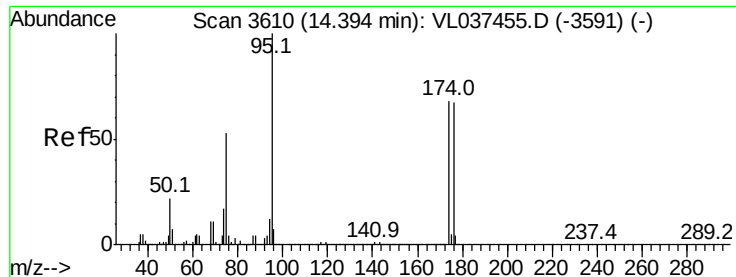
Tgt Ion: 91 Resp: 11855
Ion Ratio Lower Upper
91 100
126 93.9 15.9 23.9#
128 15.3 5.4 8.0#



#67
sec-Butylbenzene
Concen: 1.133 ppbv
RT: 17.27 min Scan# 4505
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion: 105 Resp: 884921
Ion Ratio Lower Upper
105 100
134 18.1 15.2 22.8

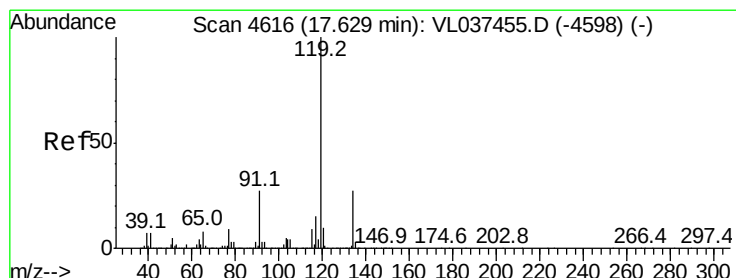
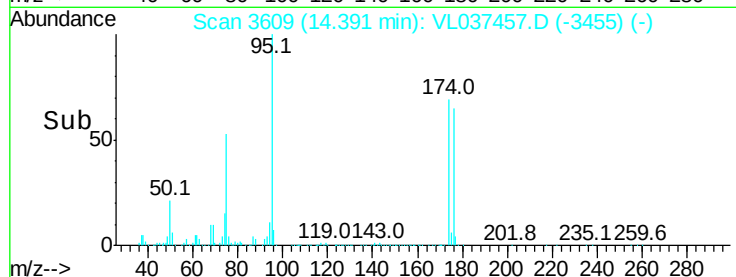
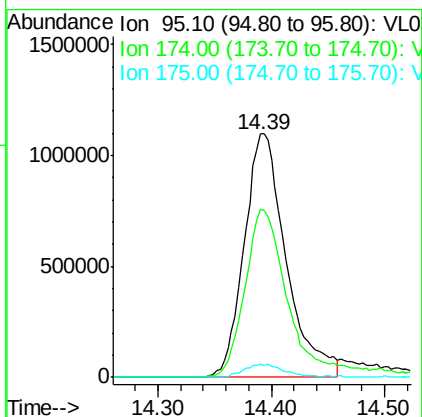
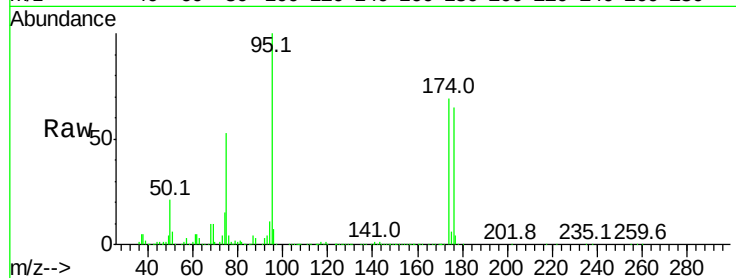




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.810 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

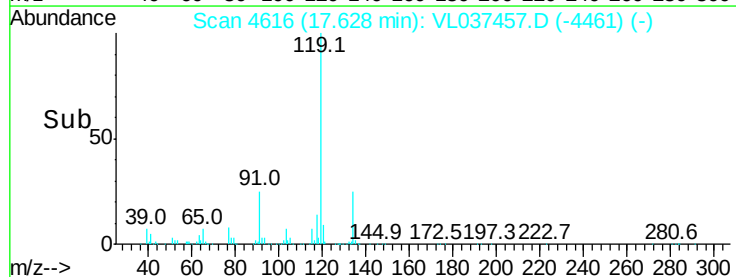
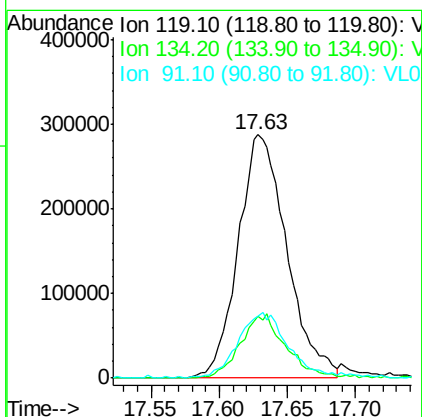
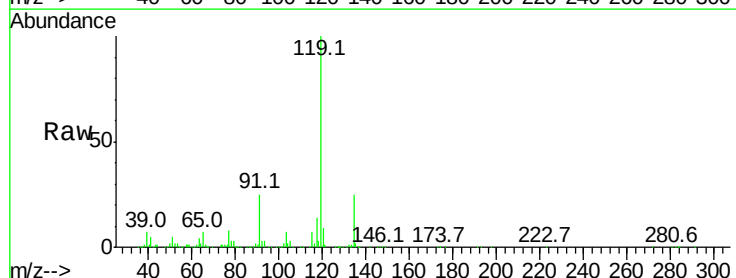
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

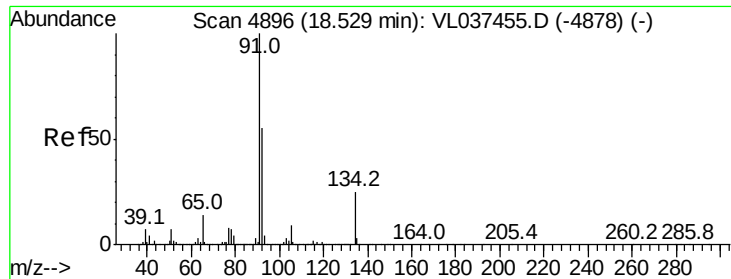
Tgt Ion: 95 Resp: 2829682
 Ion Ratio Lower Upper
 95 100
 174 75.6 59.6 89.4
 175 5.5 4.6 7.0



#69
 p-Isopropyltoluene
 Concen: 1.111 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion: 119 Resp: 712327
 Ion Ratio Lower Upper
 119 100
 134 25.2 21.1 31.7
 91 28.5 22.4 33.6





#70

n-Butylbenzene

Concen: 1.099 ppbv

RT: 18.54 min Scan# 4898

Delta R.T. 0.01 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

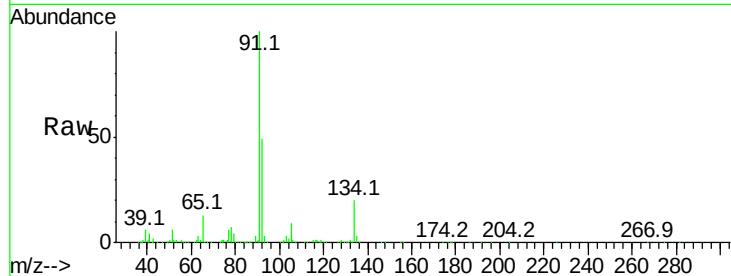
Tgt Ion: 91 Resp: 654915

Ion Ratio Lower Upper

91 100

92 55.7 44.0 66.0

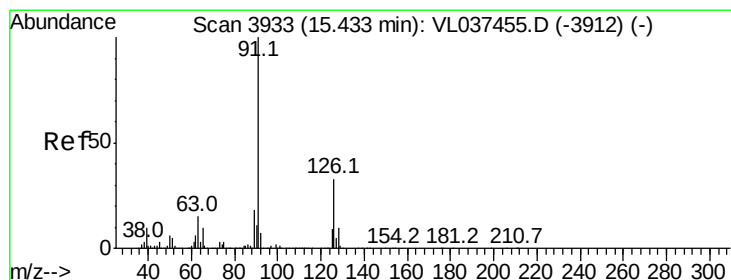
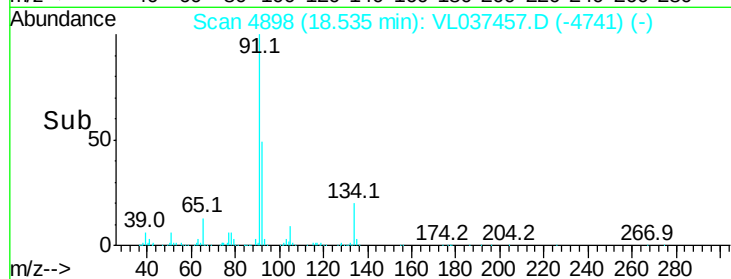
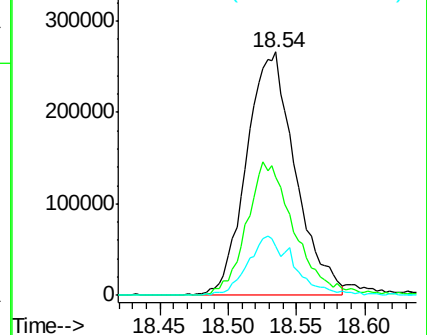
134 23.7 19.5 29.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 1.087 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037457.D

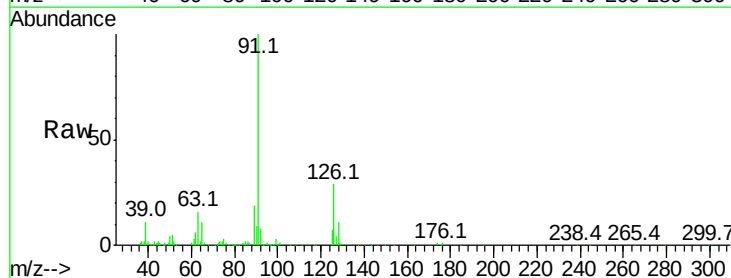
Acq: 16 Aug 2021 11:45

Tgt Ion: 91 Resp: 489305

Ion Ratio Lower Upper

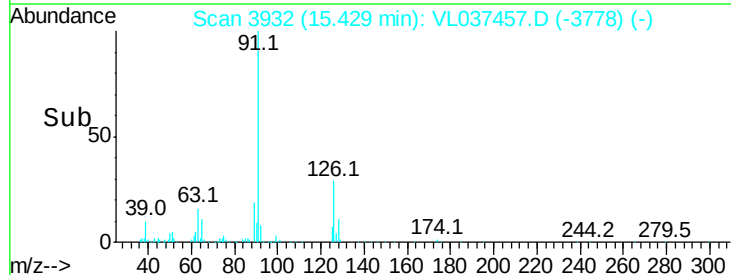
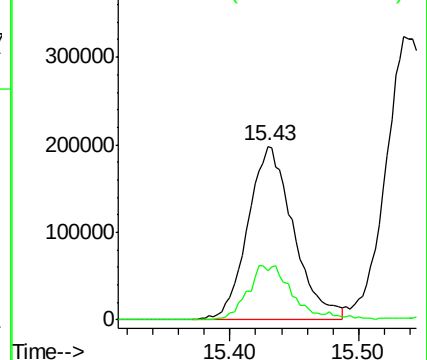
91 100

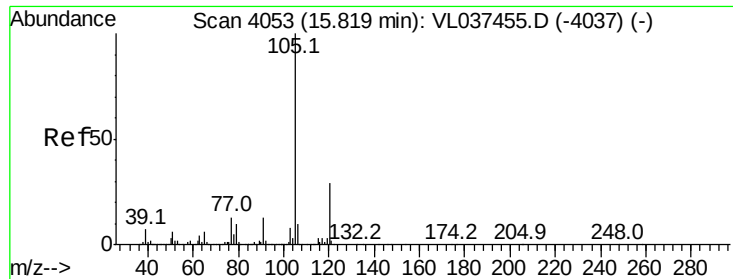
126 32.9 13.6 54.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 1.061 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

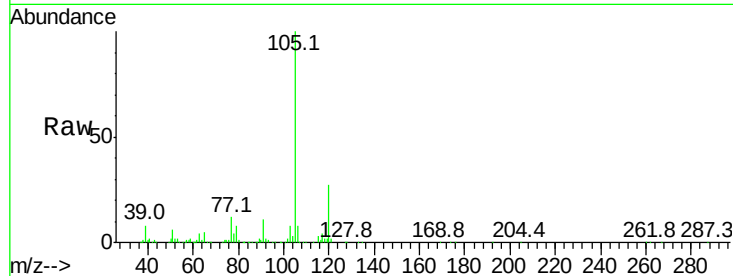
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:	105	Resp:	548467
Ion	Ratio	Lower	Upper
105	100		
120	31.5	24.7	37.1
91	14.6	9.8	14.8
77	13.7	10.6	15.8

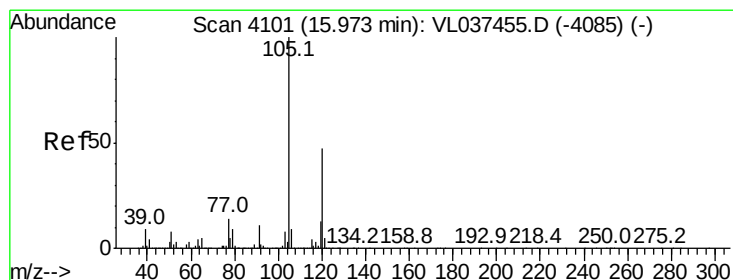
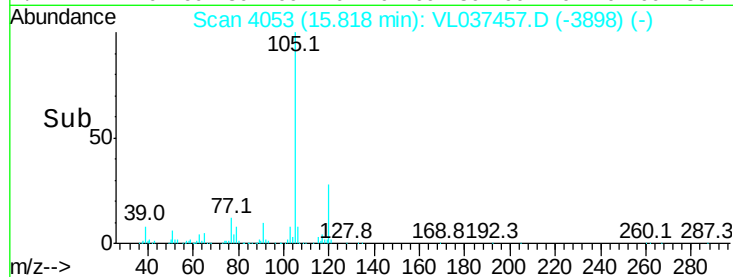
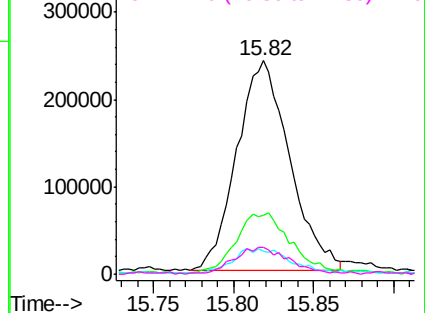


Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.027 ppbv

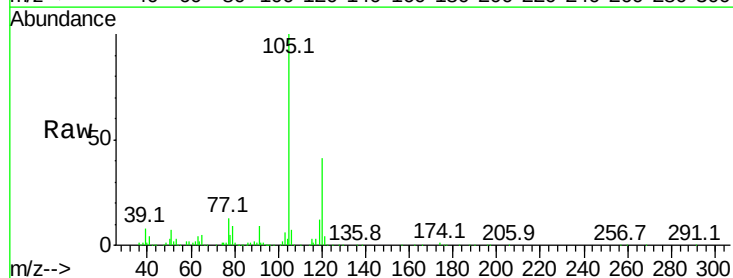
RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037457.D

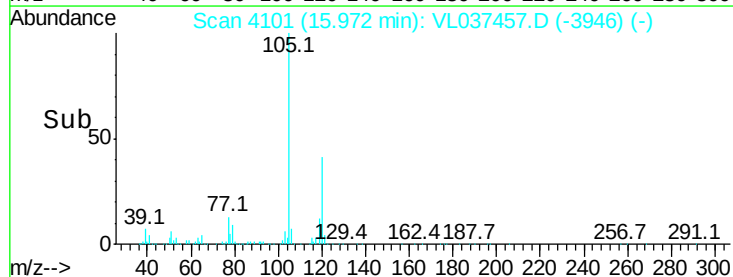
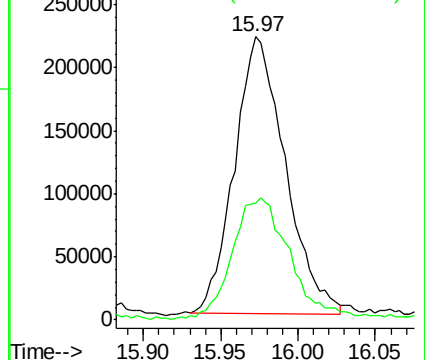
Acq: 16 Aug 2021 11:45

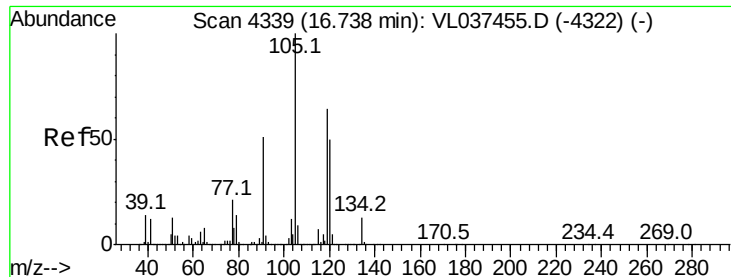
Tgt Ion:	105	Resp:	501639
Ion	Ratio	Lower	Upper
105	100		
120	40.7	37.6	56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.125 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

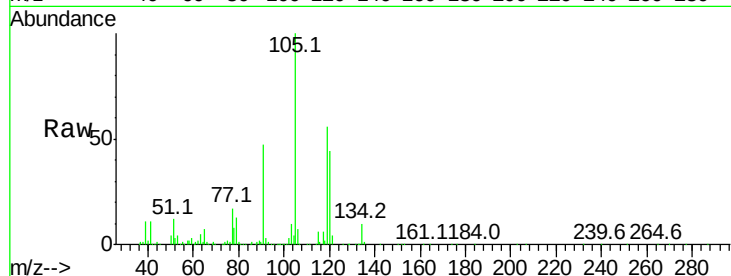
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:	105	Resp:	562508
Ion	Ratio	Lower	Upper
105	100		
120	43.4	40.4	60.6
91	43.9	44.6	67.0#
77	16.6	17.8	26.6#

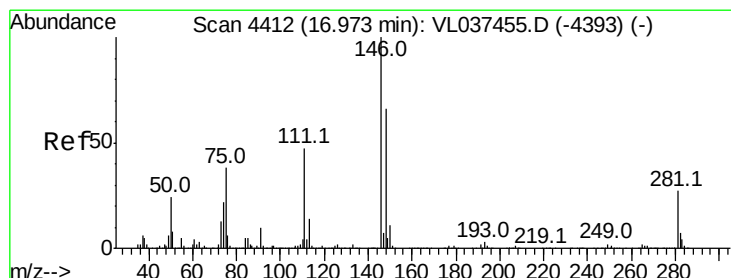
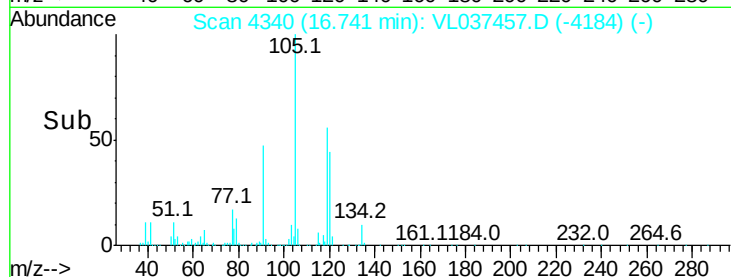
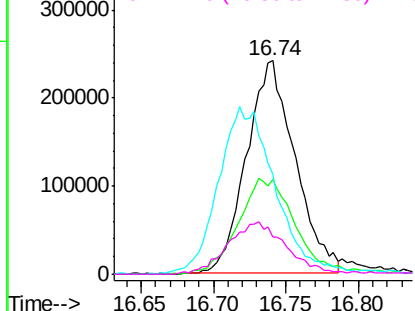


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 1.050 ppbv

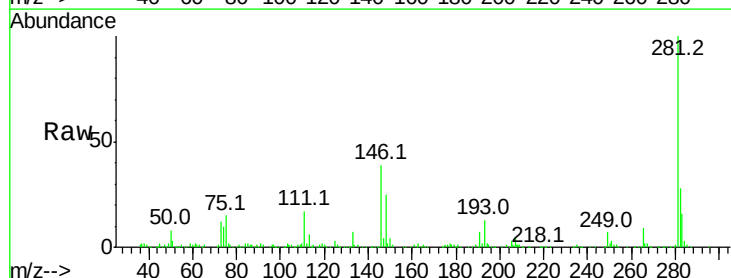
RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

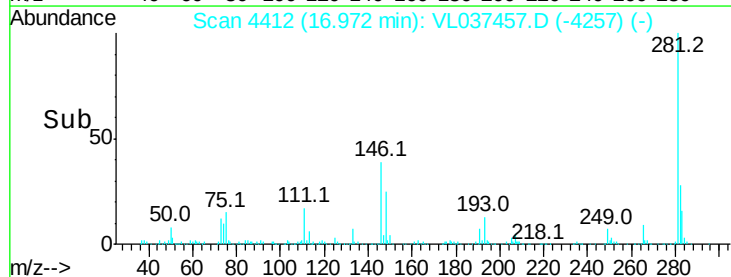
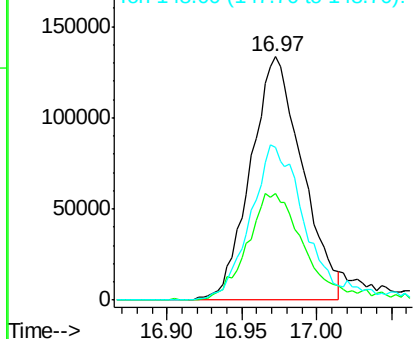
Tgt Ion:	146	Resp:	321258
Ion	Ratio	Lower	Upper
146	100		
111	48.9	23.4	70.0
148	68.5	33.1	99.5

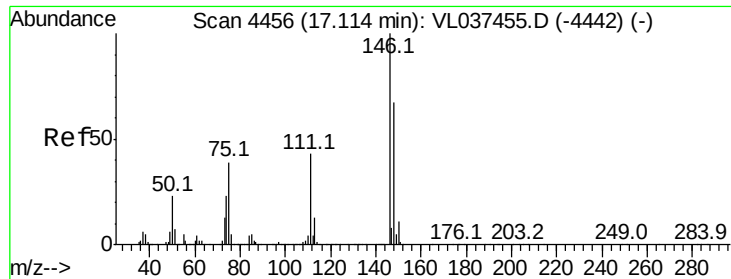


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

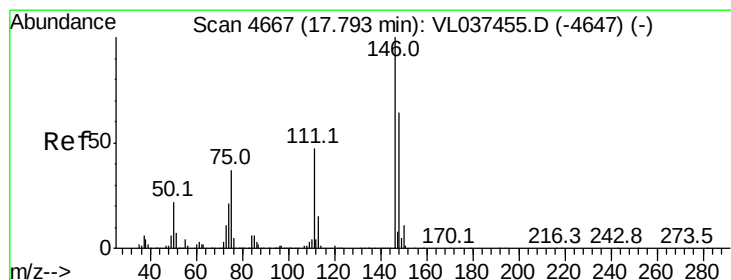
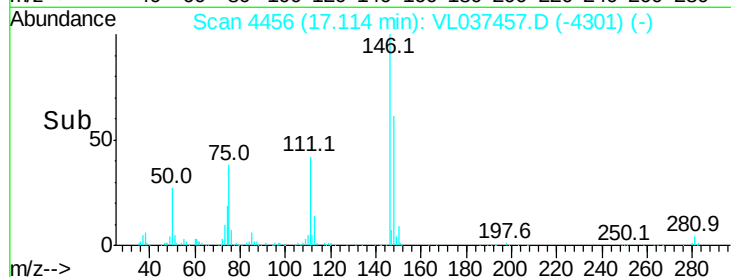
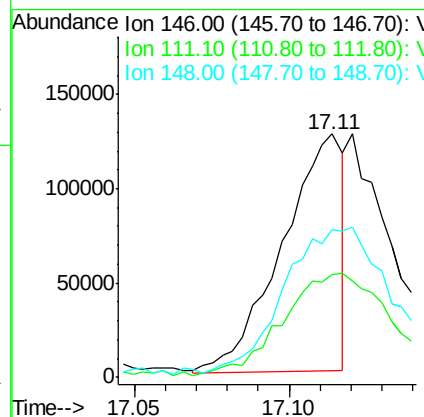
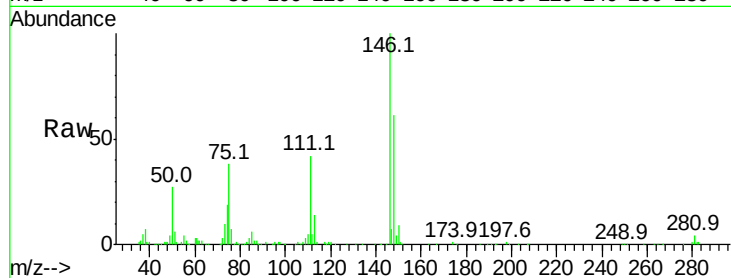




#76
 1,4-Dichlorobenzene
 Concen: 0.566 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

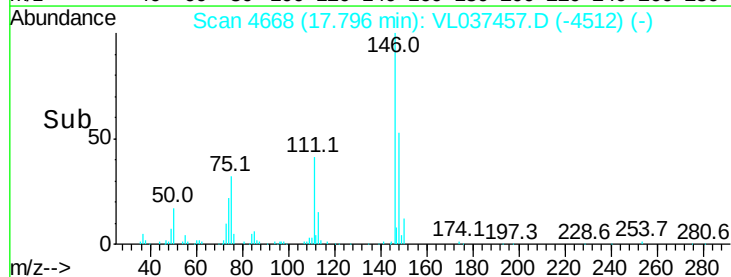
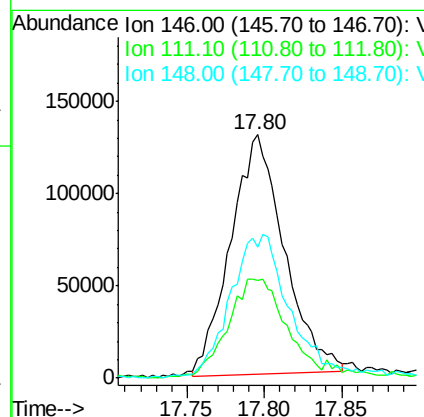
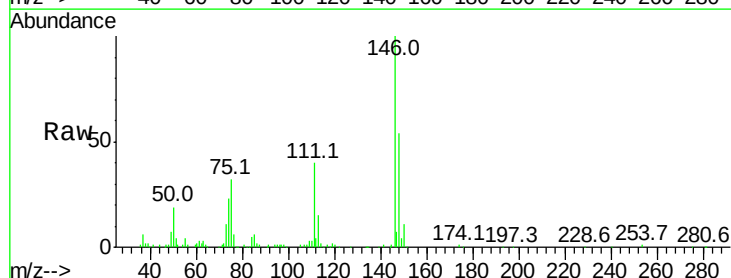
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

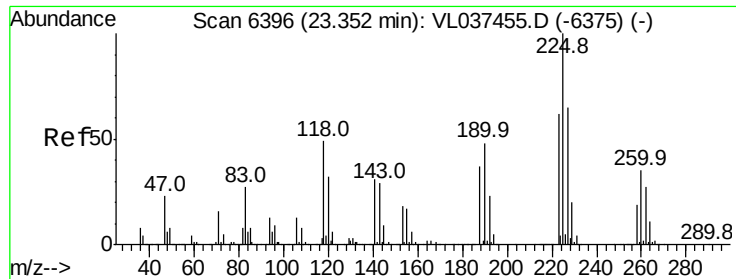
Tgt Ion:146 Resp: 171606
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.1 66.5#
 148 0.0 32.4 97.0#



#77
 1,2-Dichlorobenzene
 Concen: 1.068 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion:146 Resp: 314652
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.4 70.3
 148 67.7 32.5 97.5

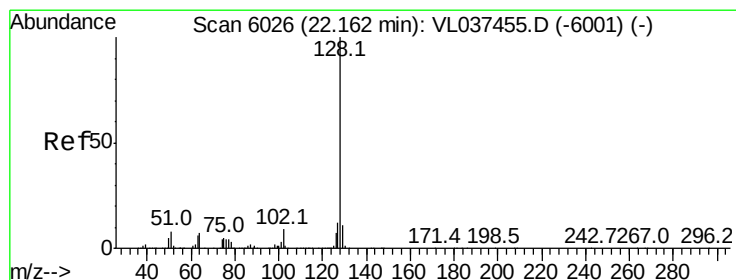
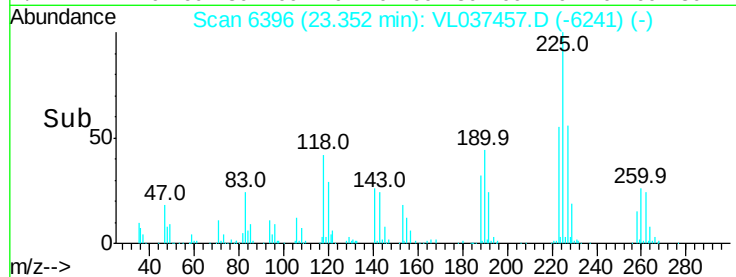
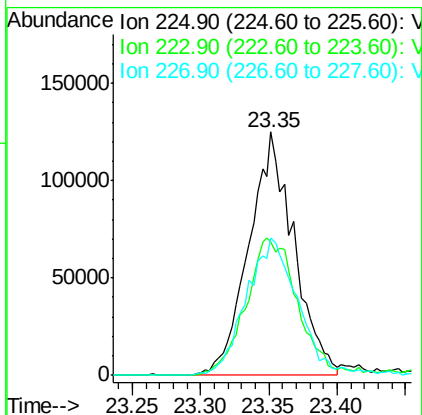
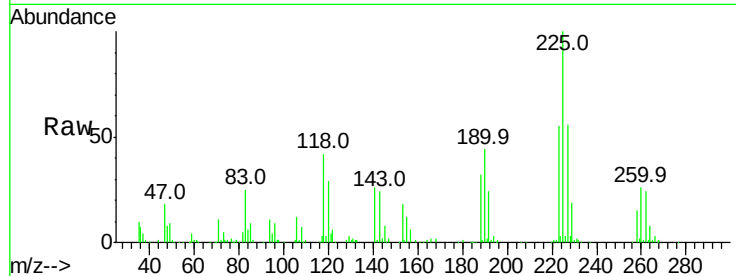




#78
Hexachloro-1,3-Butadiene
Concen: 1.197 ppbv
RT: 23.35 min Scan# 6396
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

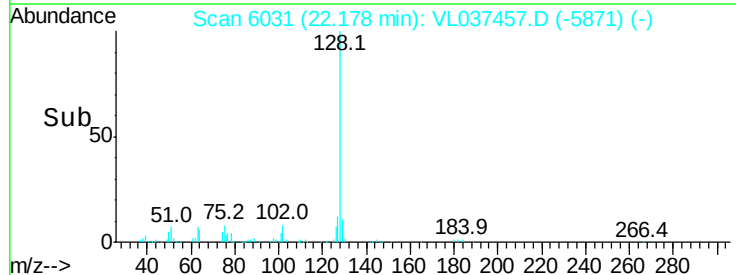
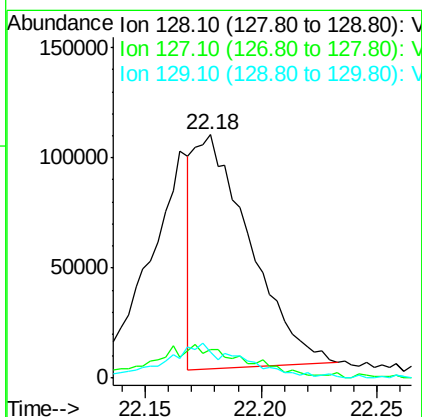
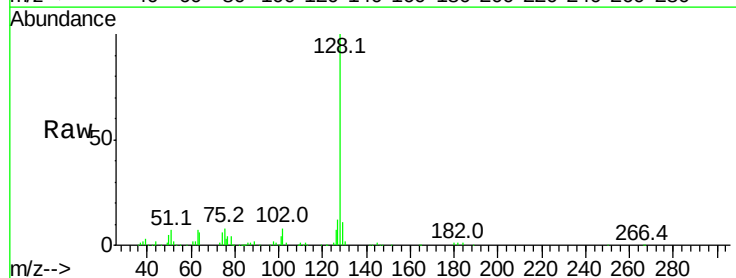
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

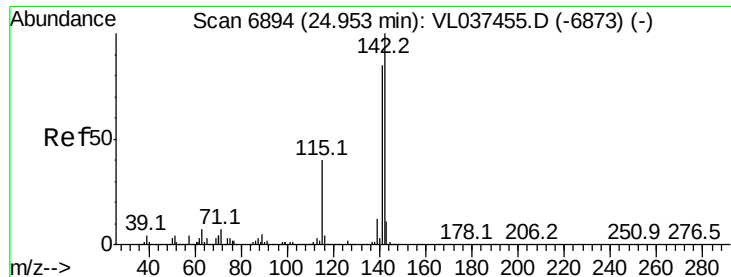
Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	51.4	77.0
227	65.6	52.9	79.3



#79
Naphthalene
Concen: 0.652 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. 0.02 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.0	9.4	14.2
129	10.7	8.8	13.2





#80

Naphthalene, 2-methyl-

Concen: 1.405 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

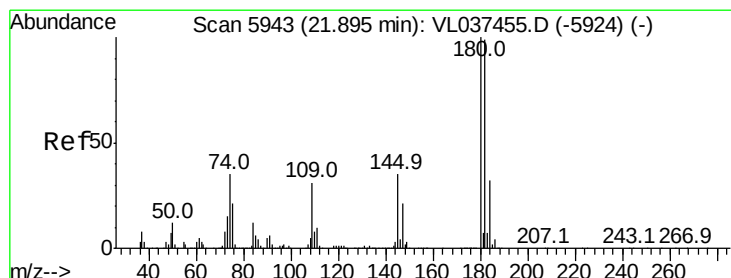
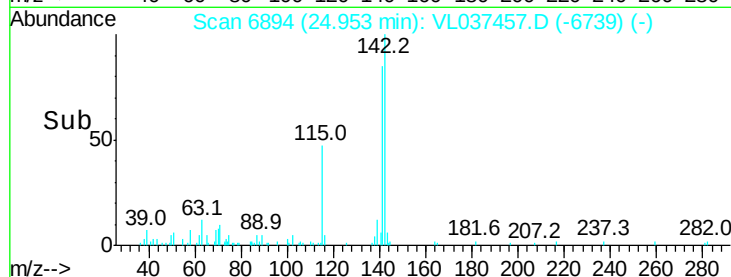
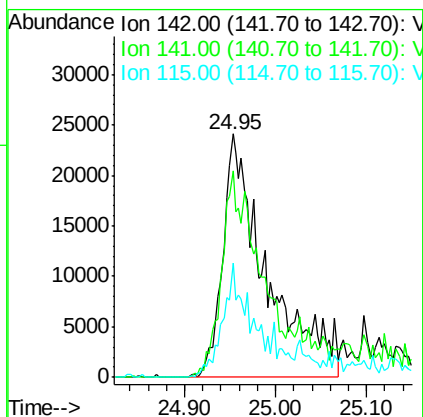
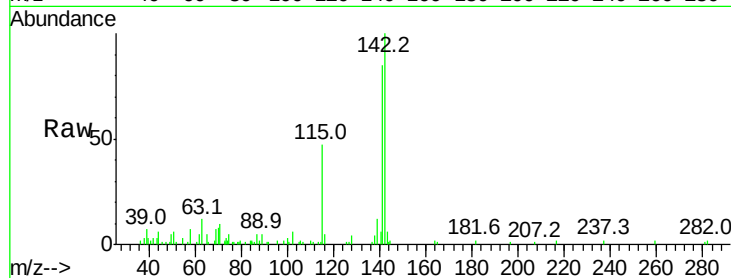
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:	142	Resp:	80657
Ion	Ratio	Lower	Upper
142	100		
141	85.2	64.7	97.1
115	39.1	28.4	42.6



#81

1,2,4-Trichlorobenzene

Concen: 1.067 ppbv

RT: 21.90 min Scan# 5946

Delta R.T. 0.01 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion:	180	Resp:	197138
Ion	Ratio	Lower	Upper
180	100		
182	110.9	79.6	119.4
184	34.6	25.4	38.2

