

Data File : VL036048.D
Acq On : 3 Dec 2020 11:06
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Dec 03 12:02:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 03 12:00:21 2020
QLast Update : Thu Dec 03 12:00:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1250710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4434697	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4147252	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3146356	10.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	225194	0.956	ppbv	98
3) Chlorodifluoromethane	2.97	51	150846	1.007	ppbv	100
4) Chloromethane	3.12	50	73393	1.009	ppbv	100
5) Vinyl Chloride	3.24	62	91679	0.988	ppbv	89
6) Bromomethane	3.46	94	68985	0.925	ppbv	100
7) Chloroethane	3.54	64	31891	0.977	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	267937	0.994	ppbv	98
9) Propene	3.00	41	49467	0.902	ppbv	97
10) Heptane	8.11	43	131036	0.865	ppbv	99
11) Trichlorofluoromethane	3.93	101	297910	1.008	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	225676	1.025	ppbv	99
13) Ethanol	3.60	45	5189	0.436	ppbv #	35
14) Bromoethene	3.72	108	84959	0.839	ppbv	94
15) Acetone	3.84	43	148467	1.110	ppbv	91
16) 1,3-Butadiene	3.31	39	56238	0.977	ppbv	94
17) tert-Butyl alcohol	4.29	59	143339	0.809	ppbv	97
18) 1,1-Dichloroethene	4.28	96	96934	0.959	ppbv	95
19) Isopropyl Alcohol	3.96	45	25032	0.305	ppbv #	40
20) Methylene Chloride	4.33	84	126104	1.340	ppbv	97
21) Allyl Chloride	4.39	41	64719	0.895	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	94336	0.921	ppbv	94
23) Vinyl Acetate	5.06	43	127828	0.682	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	180133	1.009	ppbv	99
25) Ethyl Acetate	5.67	43	261375	0.992	ppbv	99
26) Hexane	5.67	57	138859	0.956	ppbv	96
27) Carbon Disulfide	4.54	76	189220	0.869	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	203430	0.780	ppbv	100
29) Chloroform	5.74	83	257958	0.903	ppbv	97
30) Cyclohexane	7.11	84	115632	0.731	ppbv	88
31) cis-1,2-Dichloroethene	5.53	61	118781	0.795	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	231934	0.778	ppbv	99
34) 2-Butanone	5.23	43	140055	0.973	ppbv	94
35) Carbon Tetrachloride	7.00	117	219237	0.925	ppbv	96
36) Benzene	6.87	78	288326	0.875	ppbv	97
37) 1,2-Dichloroethane	6.29	62	150076	1.005	ppbv	98
38) Trichloroethene	7.82	130	128226	0.796	ppbv	96
39) 1,2-Dichloropropane	7.60	63	114811	1.034	ppbv	97
41) Tetrahydrofuran	6.05	42	61445	0.751	ppbv	95
42) Bromodichloromethane	7.77	83	234547	0.931	ppbv	97
43) Methyl Methacrylate	8.00	69	93473	0.743	ppbv	96
44) 2,2,4-Trimethylpentane	7.85	57	454464	1.042	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 03 12:00:21 2020
QLast Update : Thu Dec 03 12:00:21 2020
Response via : Initial Calibration

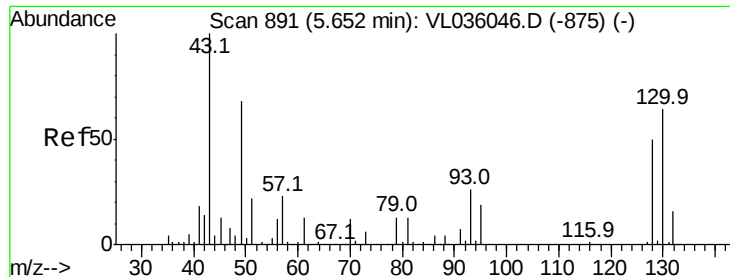
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.26	75	73859	0.554	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	104692	0.620	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	143804	0.951	ppbv	97
48) Dibromochloromethane	10.29	129	178517	0.773	ppbv	100
49) Bromoform	13.02	173	119922	0.615	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	206511	0.938	ppbv	96
51) 2-Hexanone	10.13	43	128152	0.725	ppbv #	96
52) Tetrachloroethene	11.21	164	110353	0.707	ppbv	97
53) Toluene	9.79	91	291092	0.732	ppbv	97
54) 1,2-Dibromoethane	10.59	107	190208	0.827	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	163709	0.879	ppbv #	1
57) Chlorobenzene	12.13	112	312975	0.949	ppbv	99
58) Ethyl Benzene	12.70	91	369798	0.732	ppbv	97
59) m/p-Xylene	12.98	91	464517	1.087	ppbv #	64
60) o-Xylene	13.68	91	370028	0.890	ppbv	98
61) Styrene	13.52	104	166742	0.547	ppbv	98
62) Isopropylbenzene	14.65	105	557468	0.853	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.66	83	305951	0.950	ppbv	99
64) n-propylbenzene	15.55	120	140092	0.742	ppbv	70
65) tert-Butylbenzene	16.73	119	463237	0.779	ppbv	98
66) Benzyl Chloride	16.98	91	77196	0.393	ppbv	100
67) sec-Butylbenzene	17.28	105	653156	0.815	ppbv	94
69) p-Isopropyltoluene	17.64	119	460193	0.696	ppbv	98
70) n-Butylbenzene	18.54	91	458285	0.720	ppbv	94
71) 2-Chlorotoluene	15.44	91	359480	0.752	ppbv	97
72) 4-Ethyltoluene	15.83	105	356565	0.707	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	330893	0.717	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	406658	0.823	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	238714	0.758	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	206086	0.679	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	220950	0.720	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	118833	0.830	ppbv	99
79) Naphthalene	22.20	128	68920	0.200	ppbv	97
80) Naphthalene,2-methyl-	25.00	142	5591	0.100	ppbv #	61
81) 1,2,4-Trichlorobenzene	21.92	180	46556	0.242	ppbv #	11

(#) = 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

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MSVOA_L

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VSTDIC001

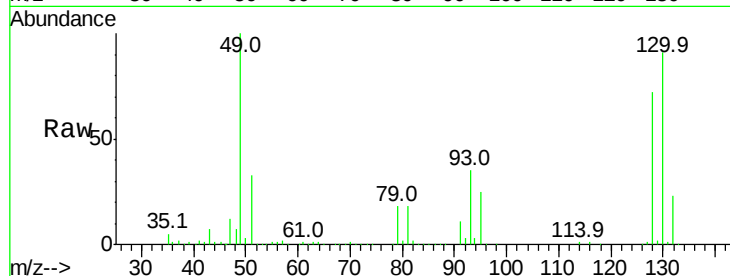
Tgt Ion: 49 Resp: 1250710

Ion Ratio Lower Upper

49 100

128 75.7 38.3 114.8

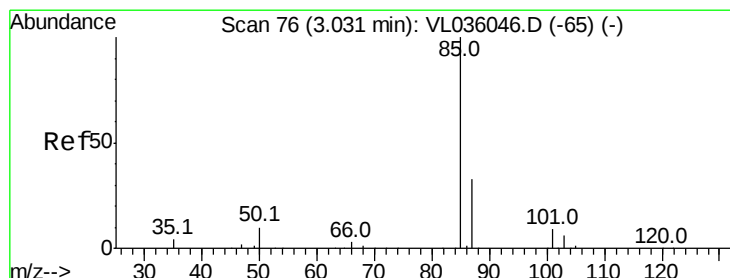
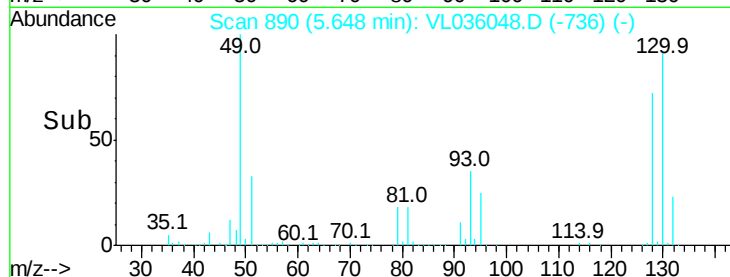
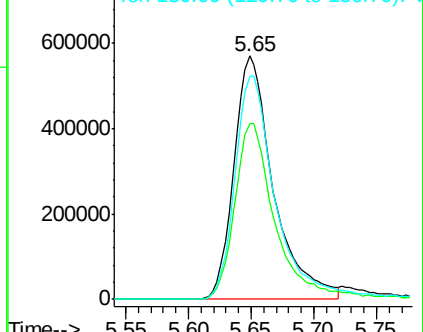
130 97.3 49.1 147.4



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: 0.956 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036048.D

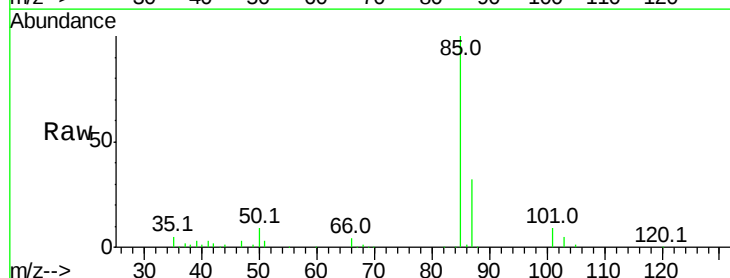
Acq: 3 Dec 2020 11:06

Tgt Ion: 85 Resp: 225194

Ion Ratio Lower Upper

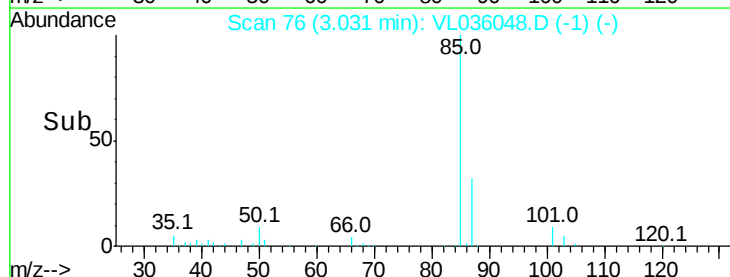
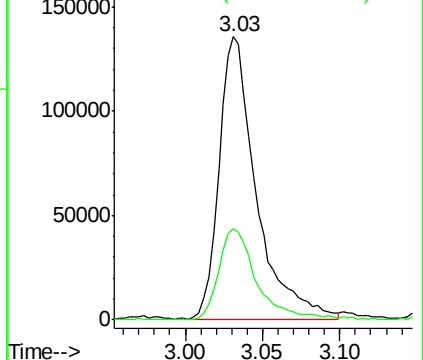
85 100

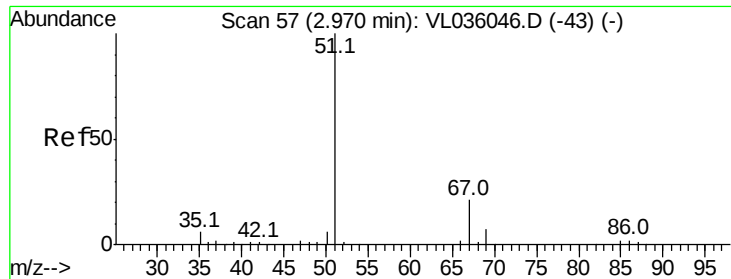
87 32.4 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

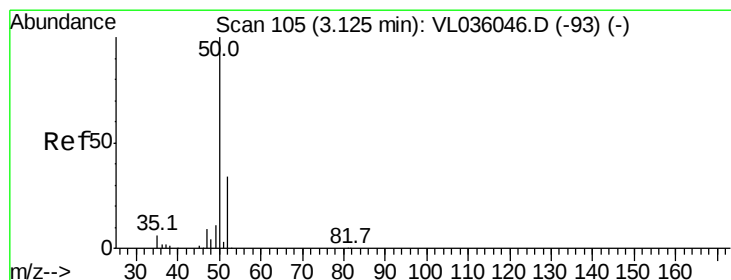
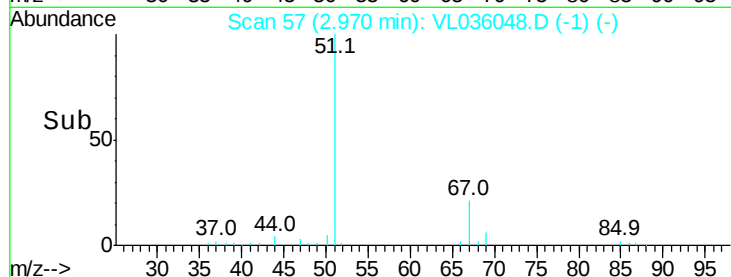
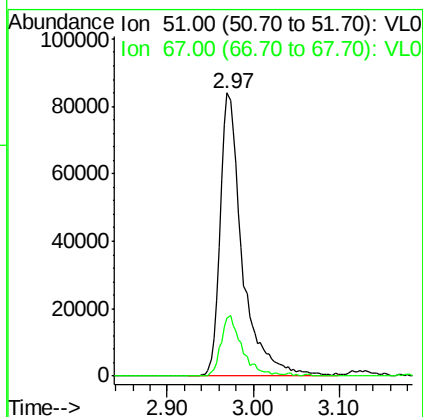
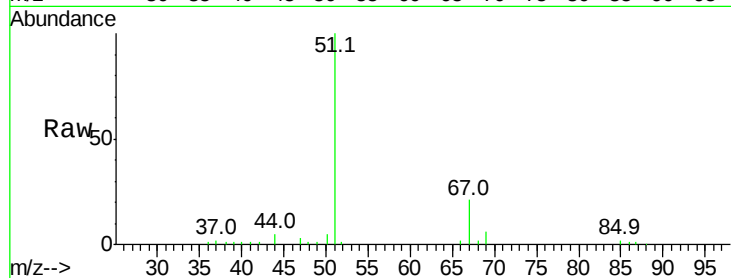




#3
 Chlorodifluoromethane
 Concen: 1.007 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

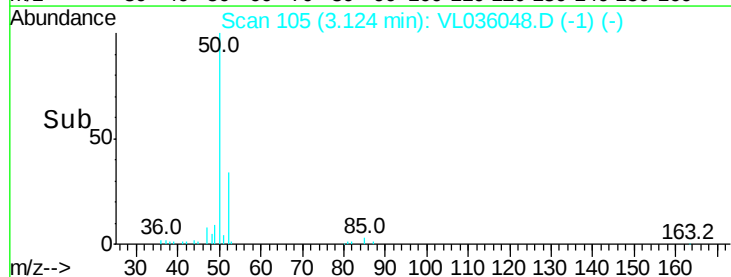
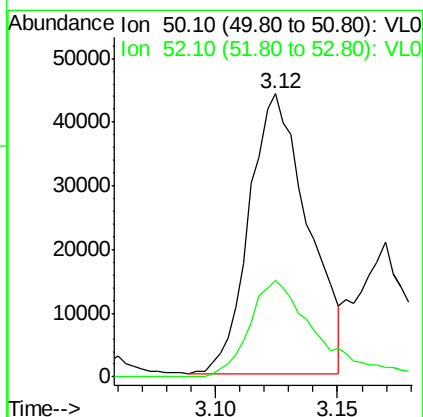
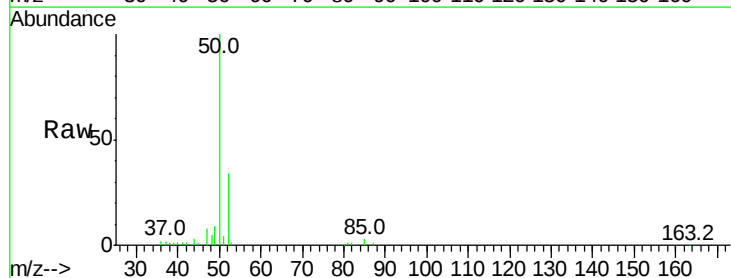
Instrument :
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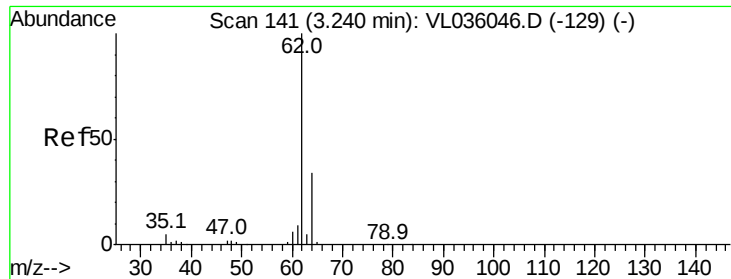
Tgt Ion: 51 Resp: 150846
 Ion Ratio Lower Upper
 51 100
 67 21.0 16.9 25.3



#4
 Chloromethane
 Concen: 1.009 ppbv
 RT: 3.12 min Scan# 105
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion: 50 Resp: 73393
 Ion Ratio Lower Upper
 50 100
 52 34.3 27.6 41.4





#5

Vinyl Chloride

Concen: 0.988 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

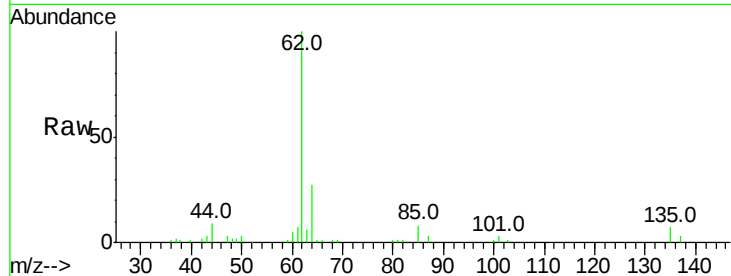
VSTDIC001

Tgt Ion: 62 Resp: 91679

Ion Ratio Lower Upper

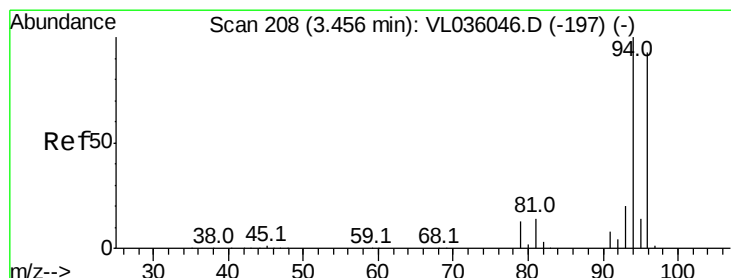
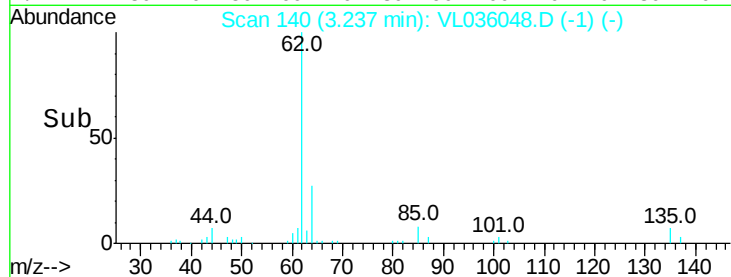
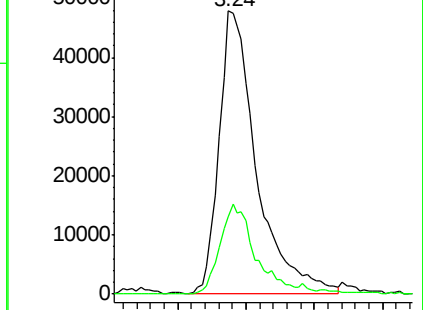
62 100

64 27.1 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.925 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036048.D

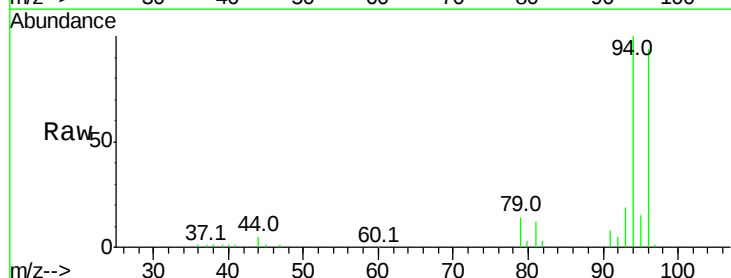
Acq: 3 Dec 2020 11:06

Tgt Ion: 94 Resp: 68985

Ion Ratio Lower Upper

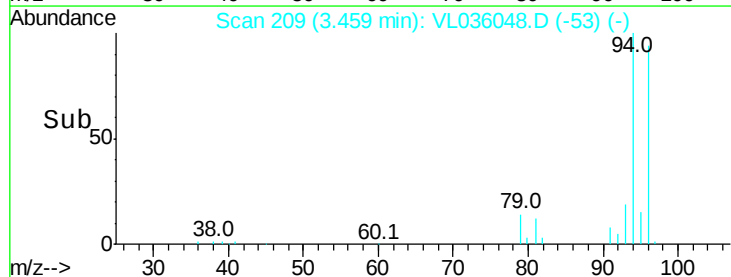
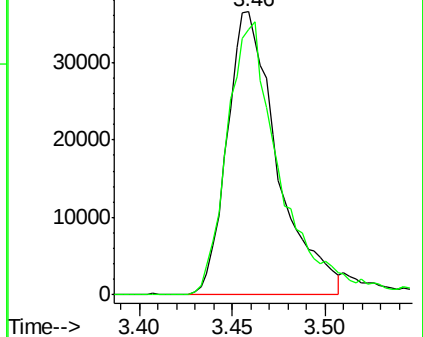
94 100

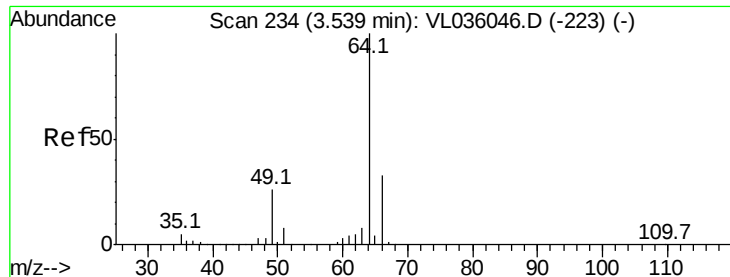
96 93.7 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.977 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

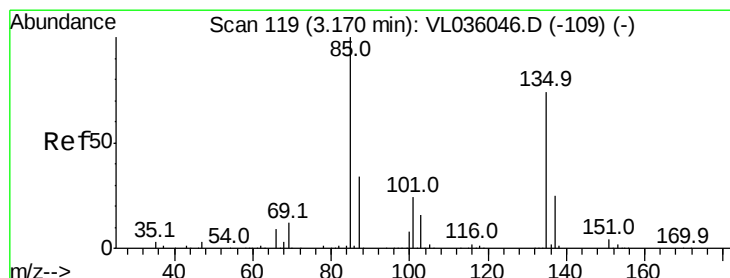
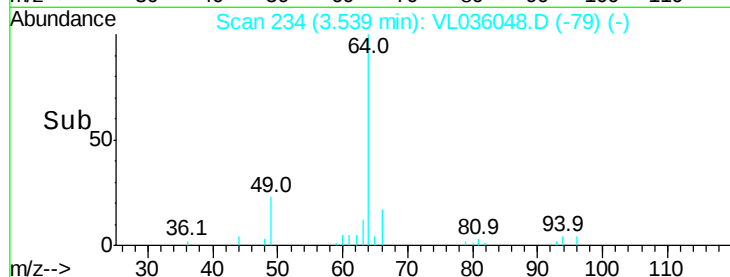
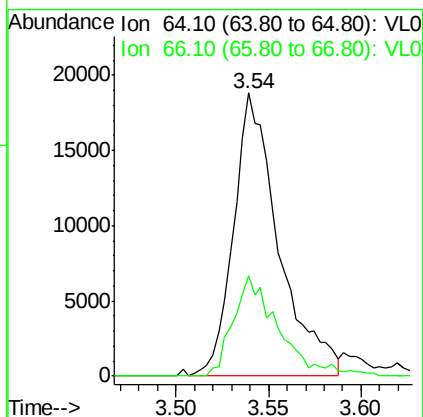
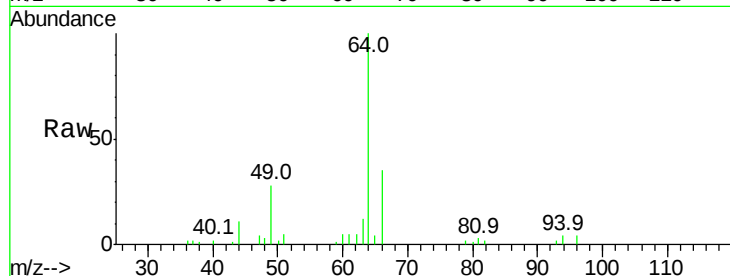
VSTDIC001

Tgt Ion: 64 Resp: 31891

Ion Ratio Lower Upper

64 100

66 35.5 26.1 39.1



#8

Dichlorotetrafluoroethane

Concen: 0.994 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036048.D

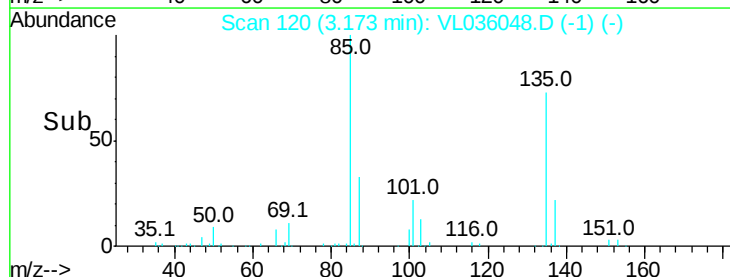
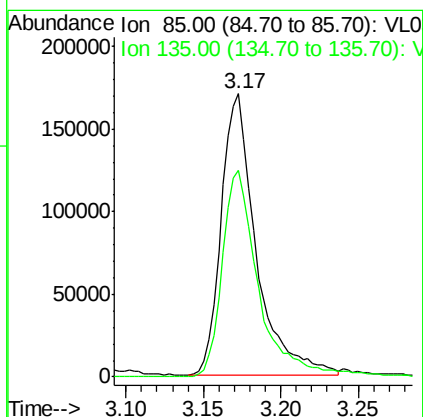
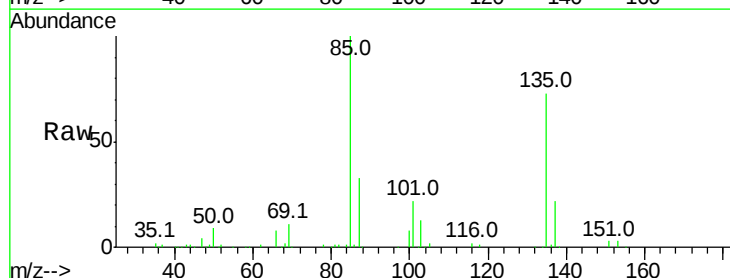
Acq: 3 Dec 2020 11:06

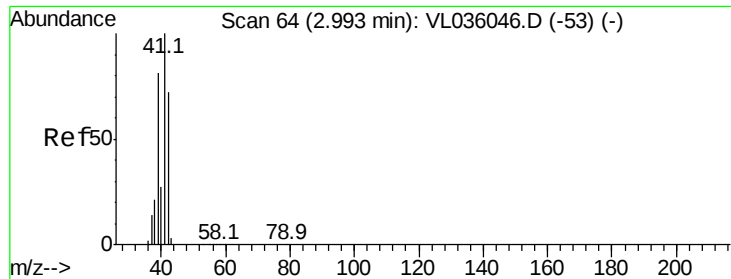
Tgt Ion: 85 Resp: 267937

Ion Ratio Lower Upper

85 100

135 77.2 60.2 90.2





#9

Propene

Concen: 0.902 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

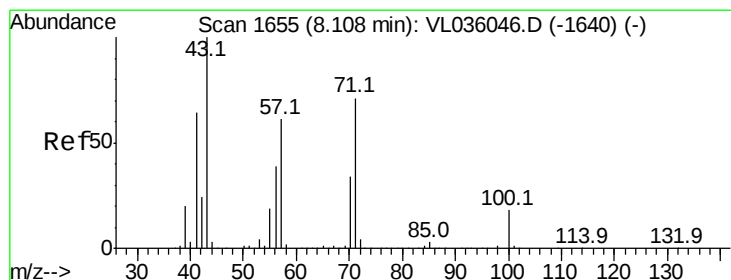
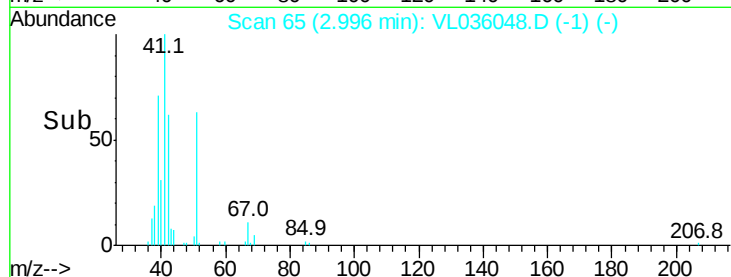
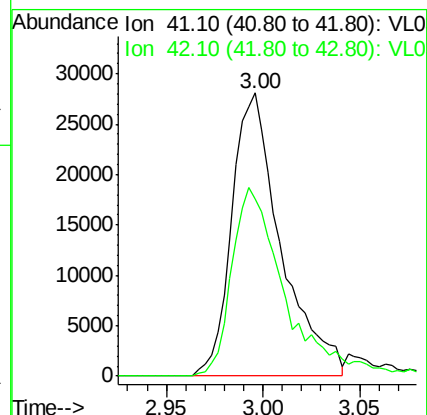
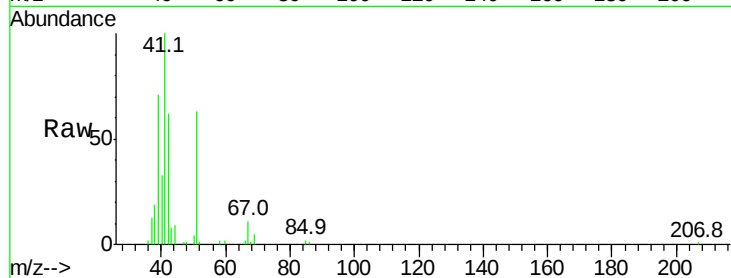
VSTDIC001

Tgt Ion: 41 Resp: 49467

Ion Ratio Lower Upper

41 100

42 73.4 56.9 85.3



#10

Heptane

Concen: 0.865 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VL036048.D

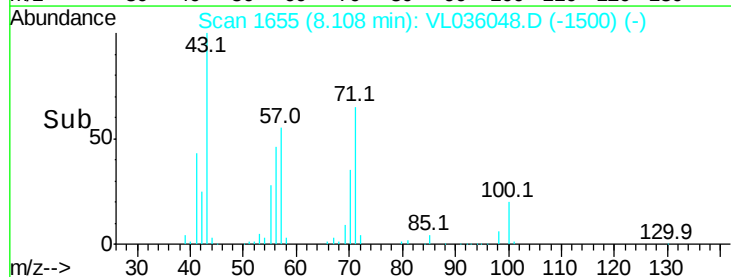
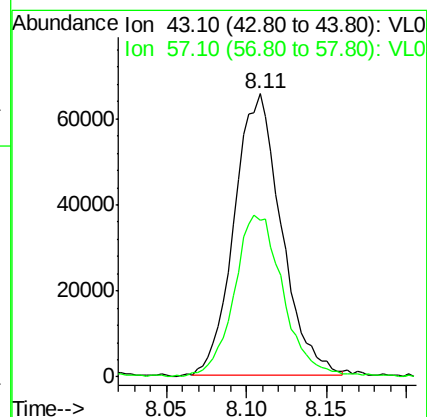
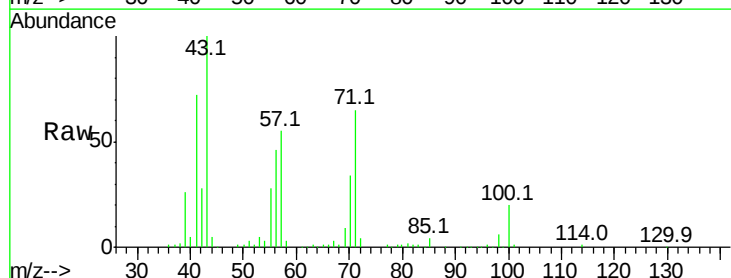
Acq: 3 Dec 2020 11:06

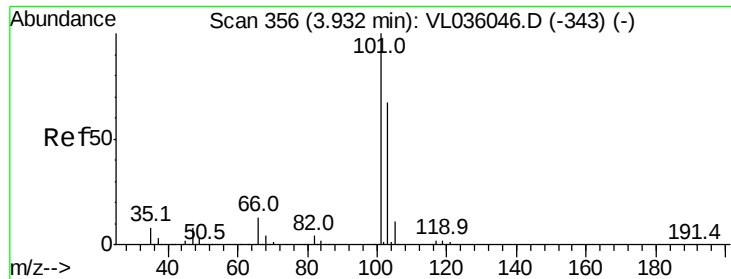
Tgt Ion: 43 Resp: 131036

Ion Ratio Lower Upper

43 100

57 60.9 49.2 73.8

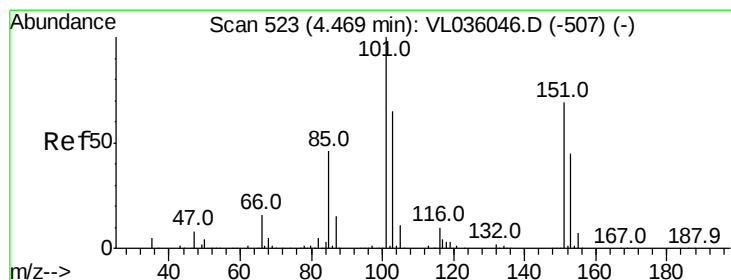
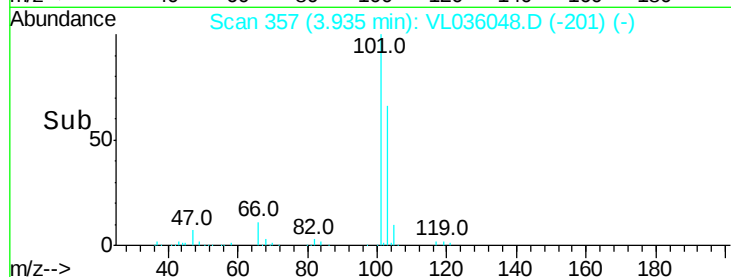
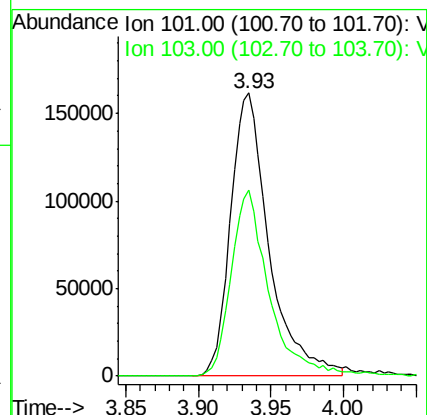
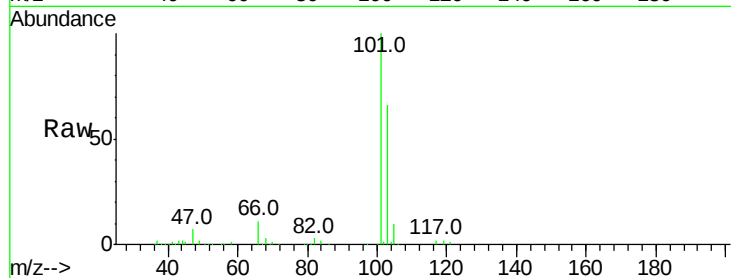




#11
 Trichlorofluoromethane
 Concen: 1.008 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

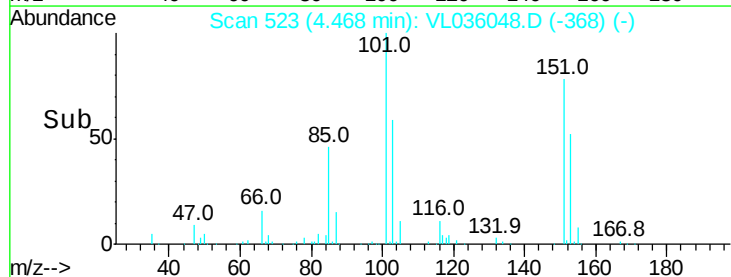
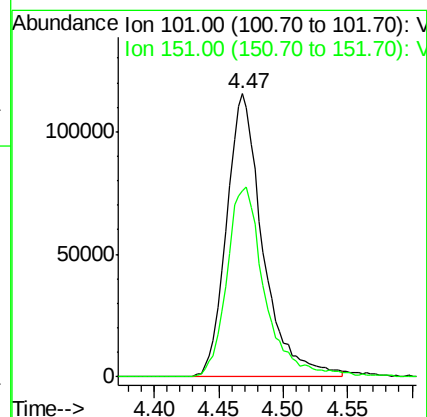
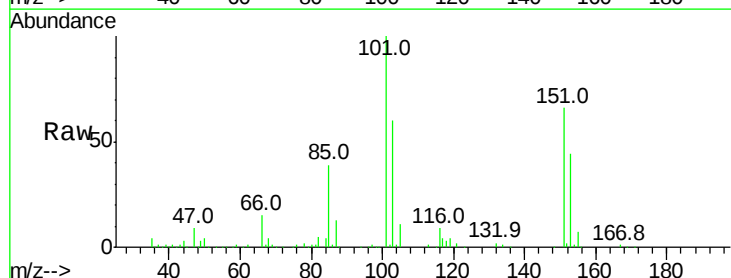
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

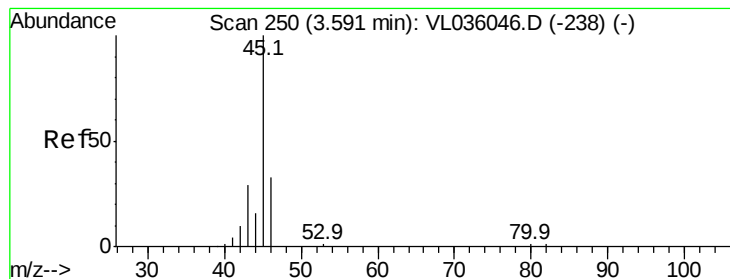
Tgt Ion:101 Resp: 297910
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.2 79.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.025 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion:101 Resp: 225676
 Ion Ratio Lower Upper
 101 100
 151 70.7 56.1 84.1





#13

Ethanol

Concen: 0.436 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

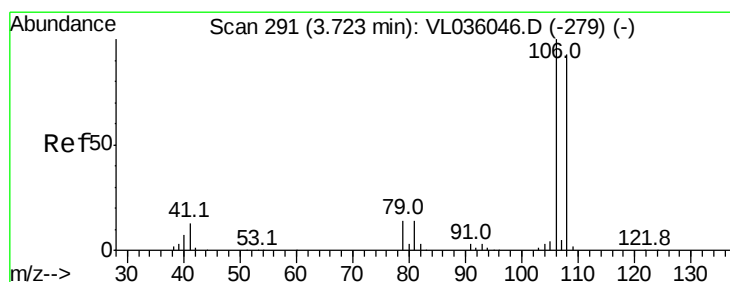
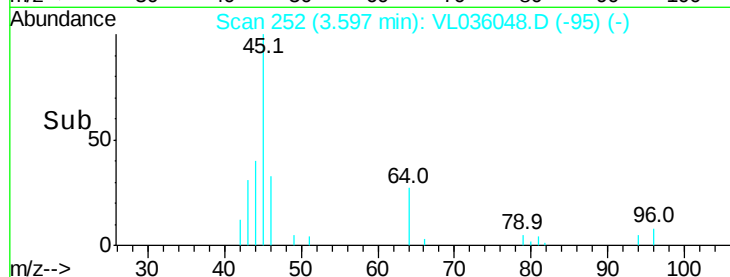
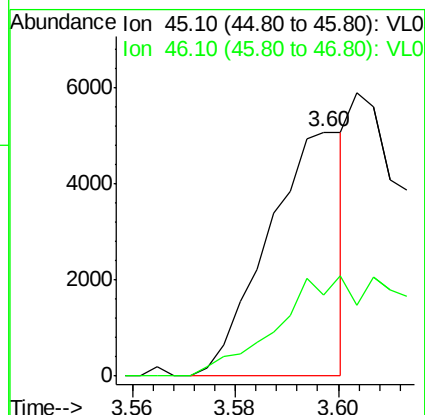
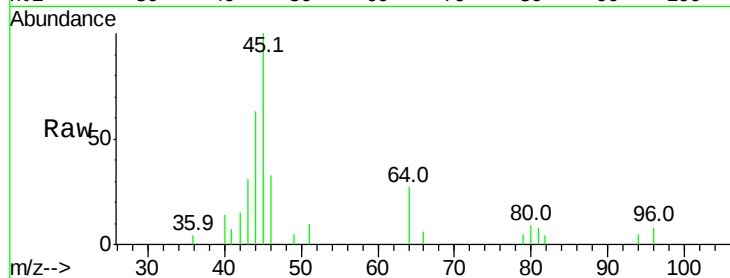
VSTDIC001

Tgt Ion: 45 Resp: 5189

Ion Ratio Lower Upper

45 100

46 0.0 16.0 64.2#



#14

Bromoethene

Concen: 0.839 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

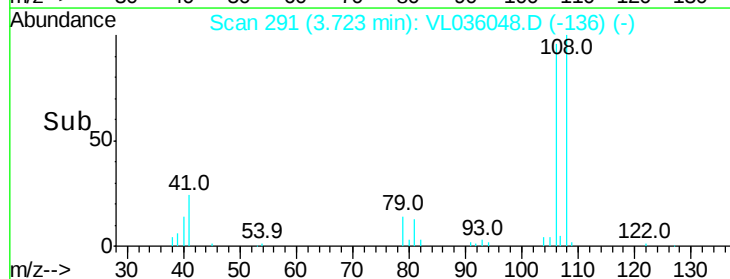
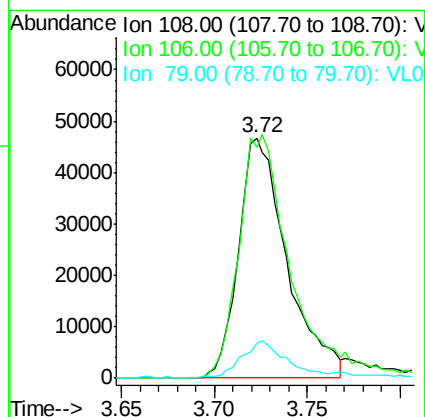
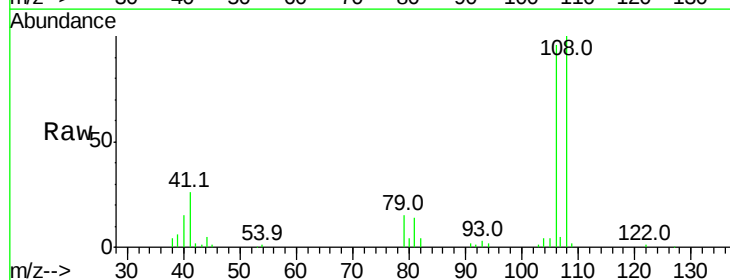
Tgt Ion: 108 Resp: 84959

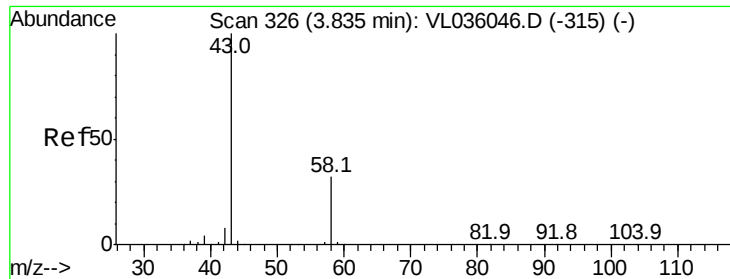
Ion Ratio Lower Upper

108 100

106 112.4 85.0 127.4

79 16.6 11.9 17.9





#15

Acetone

Concen: 1.110 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

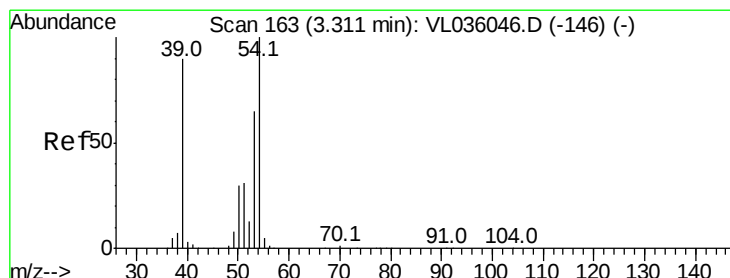
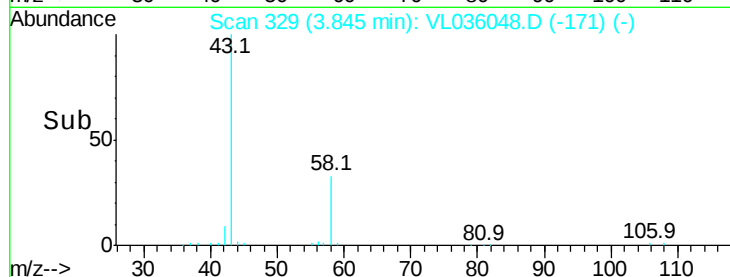
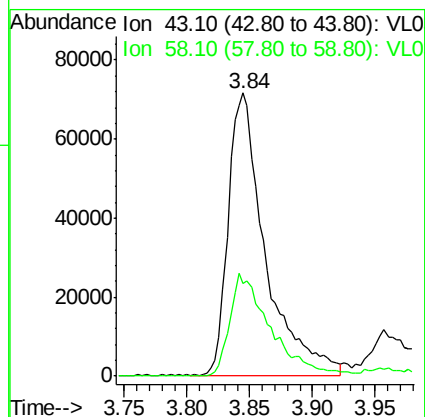
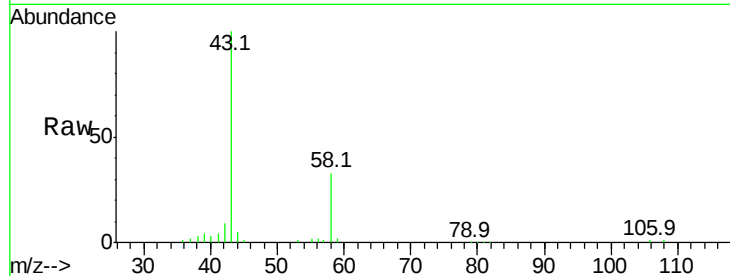
VSTDIC001

Tgt Ion: 43 Resp: 148467

Ion Ratio Lower Upper

43 100

58 39.2 27.0 40.6



#16

1,3-Butadiene

Concen: 0.977 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.00 min

Lab File: VL036048.D

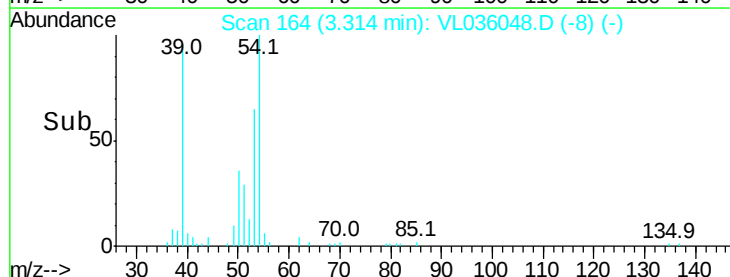
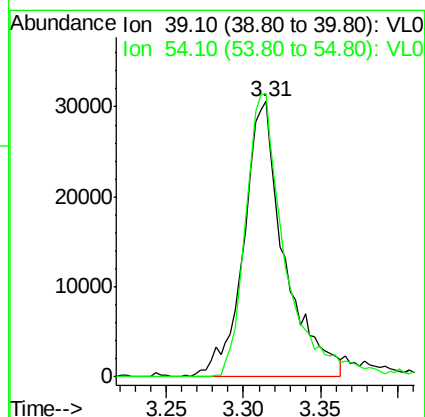
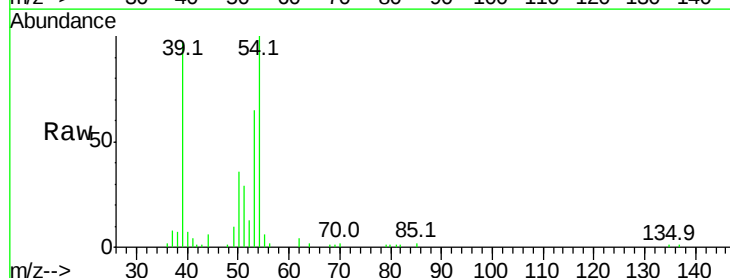
Acq: 3 Dec 2020 11:06

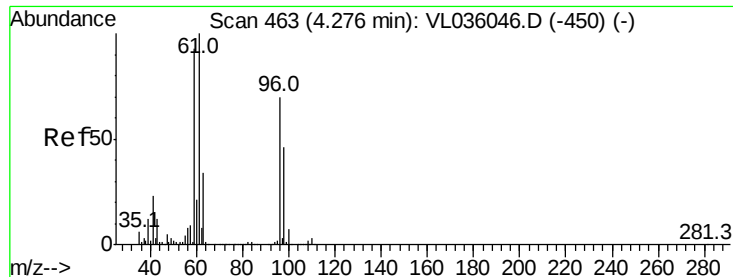
Tgt Ion: 39 Resp: 56238

Ion Ratio Lower Upper

39 100

54 101.8 86.1 129.1





#17

tert-Butyl alcohol

Concen: 0.809 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

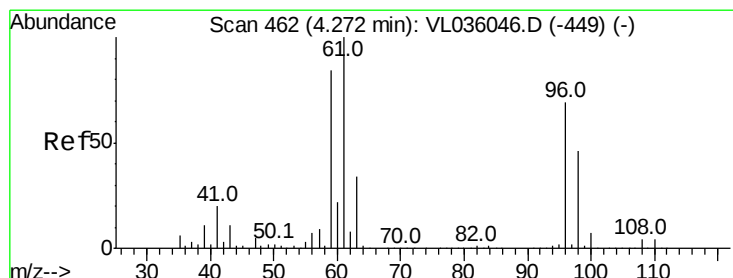
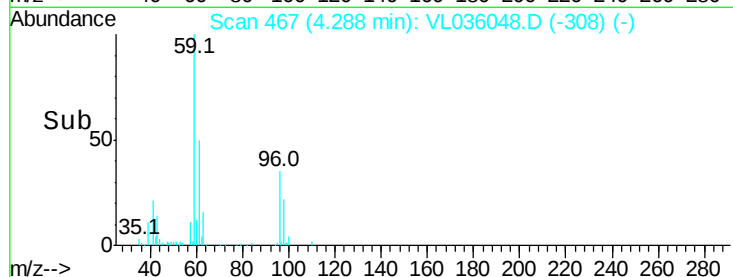
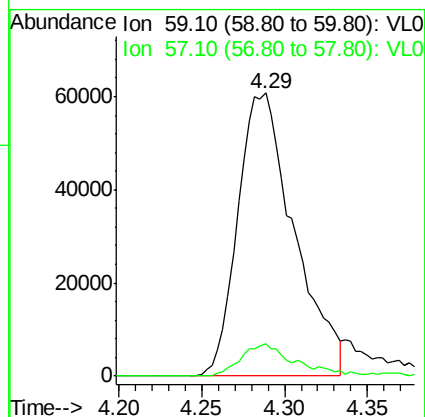
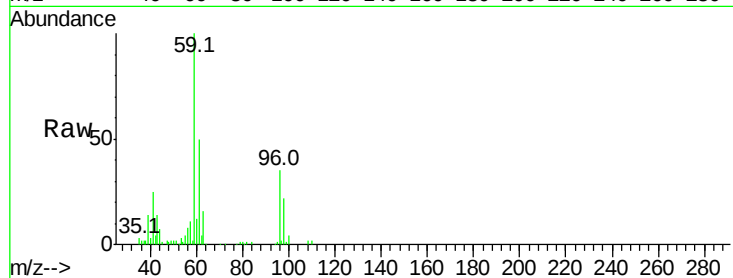
VSTDIC001

Tgt Ion: 59 Resp: 143339

Ion Ratio Lower Upper

59 100

57 11.7 8.4 12.6



#18

1,1-Dichloroethene

Concen: 0.959 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

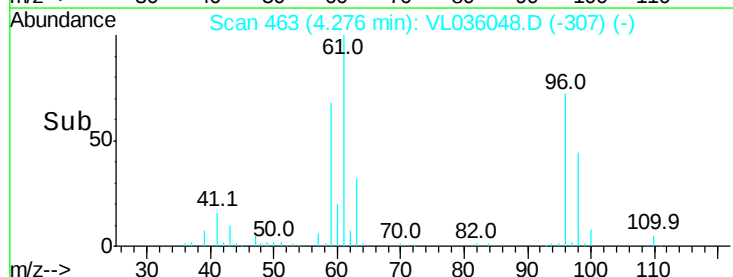
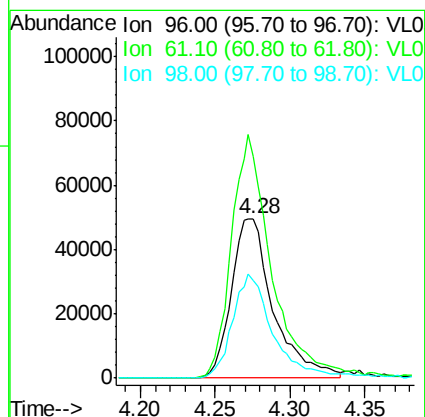
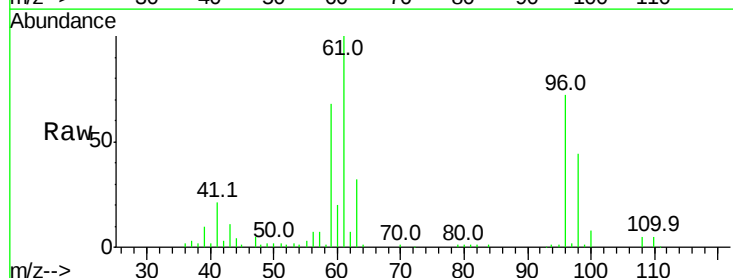
Tgt Ion: 96 Resp: 96934

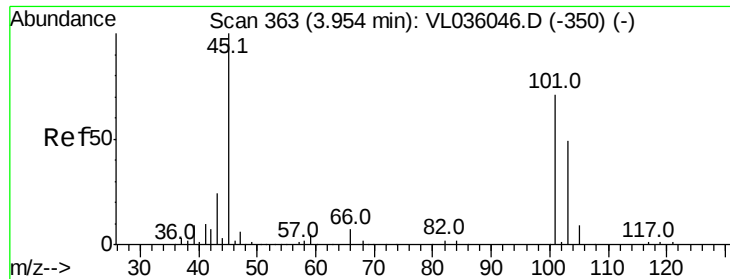
Ion Ratio Lower Upper

96 100

61 138.7 115.8 173.6

98 61.5 53.1 79.7





#19

Isopropyl Alcohol

Concen: 0.305 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

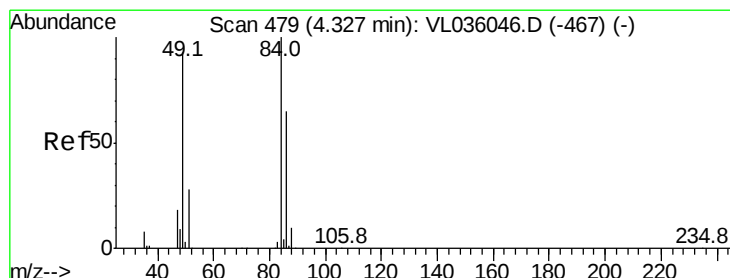
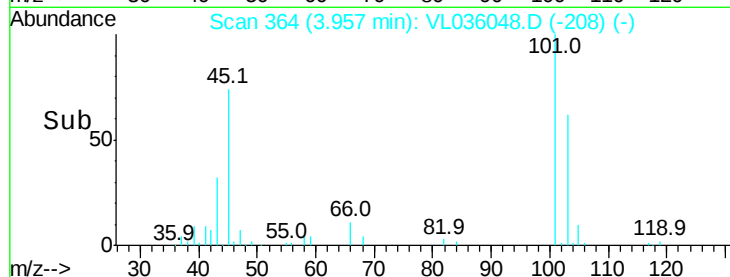
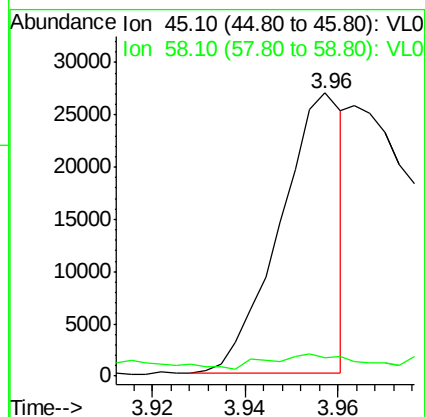
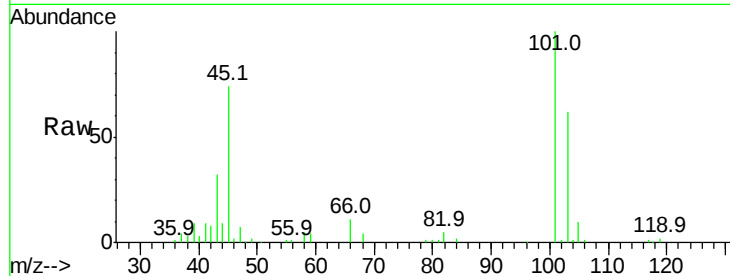
VSTDIC001

Tgt Ion: 45 Resp: 25032

Ion Ratio Lower Upper

45 100

58 24.0 3.4 5.0#



#20

Methylene Chloride

Concen: 1.340 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion: 84 Resp: 126104

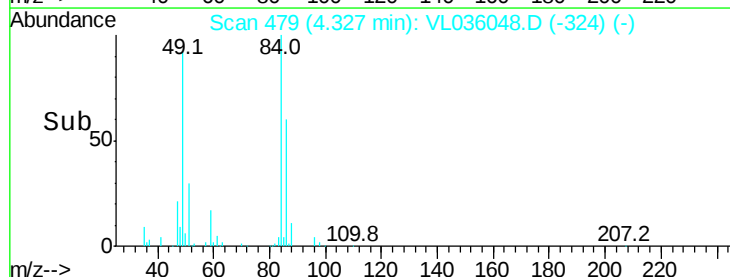
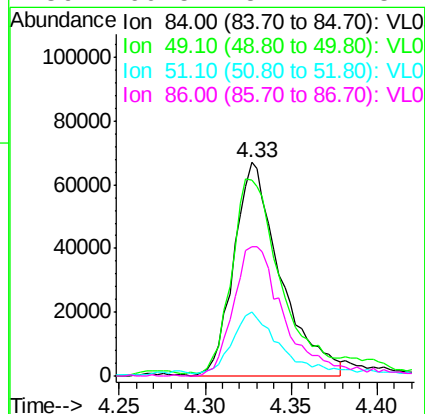
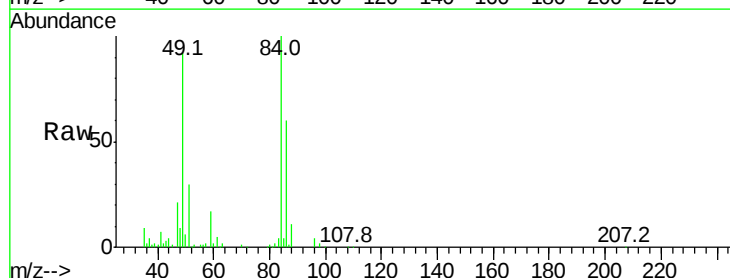
Ion Ratio Lower Upper

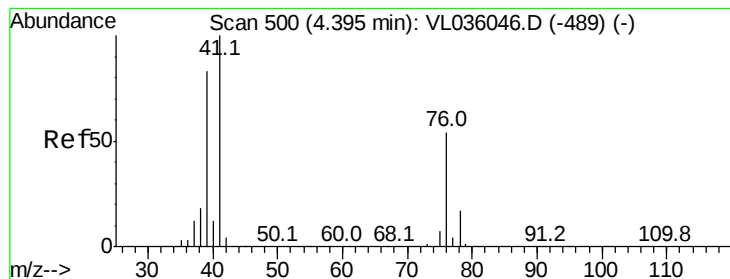
84 100

49 90.6 74.4 111.6

51 28.4 22.5 33.7

86 60.5 52.2 78.2





#21

Allyl Chloride

Concen: 0.895 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

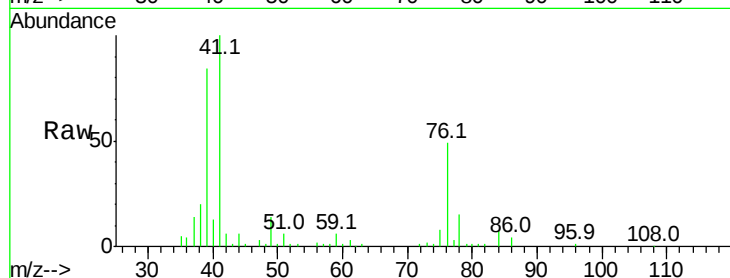
Tgt Ion: 41 Resp: 64719

Ion Ratio Lower Upper

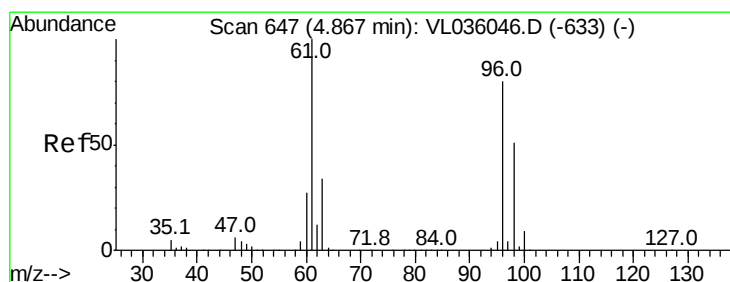
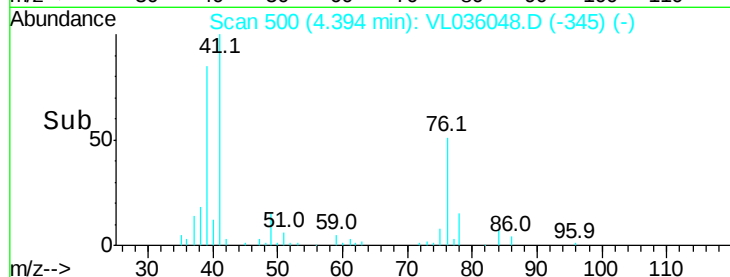
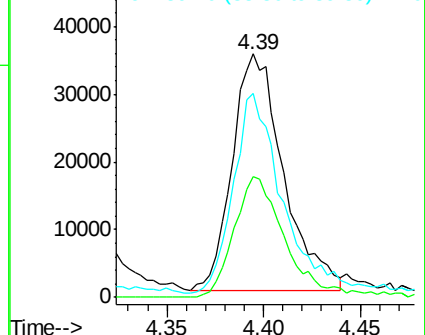
41 100

76 50.0 42.4 63.6

39 88.1 69.0 103.6



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.921 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

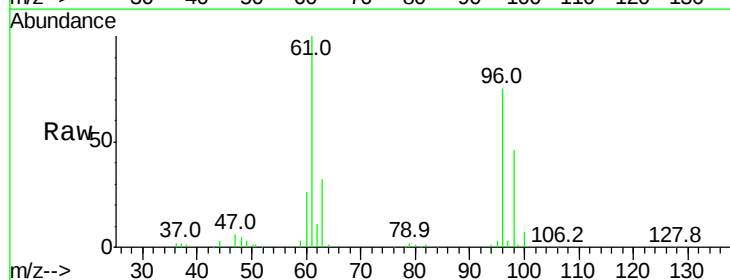
Tgt Ion: 96 Resp: 94336

Ion Ratio Lower Upper

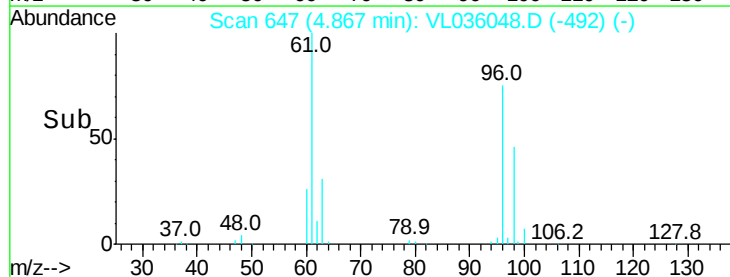
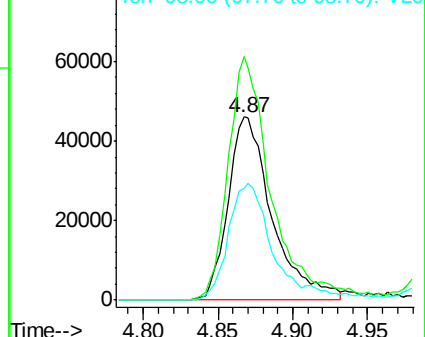
96 100

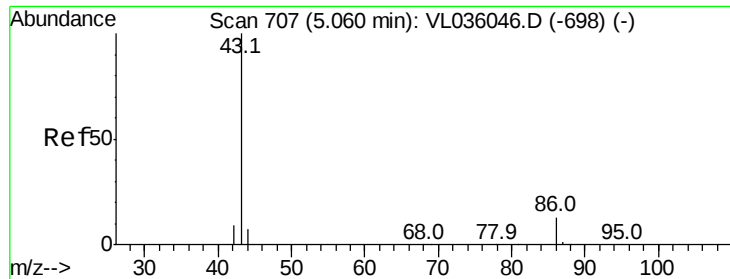
61 132.7 99.8 149.6

98 61.2 51.1 76.7



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





#23

Vinyl Acetate

Concen: 0.682 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 127828

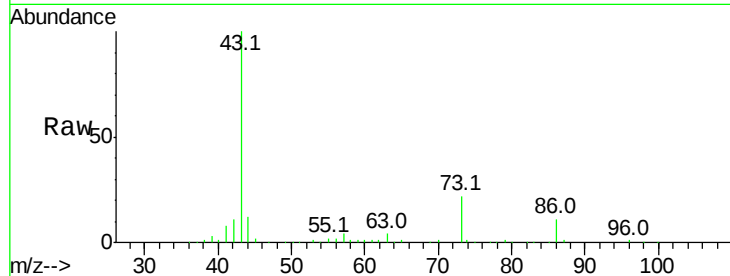
Ion Ratio Lower Upper

43 100

86 12.0 9.3 13.9

42 10.9 8.1 12.1

44 9.1 4.7 7.1#

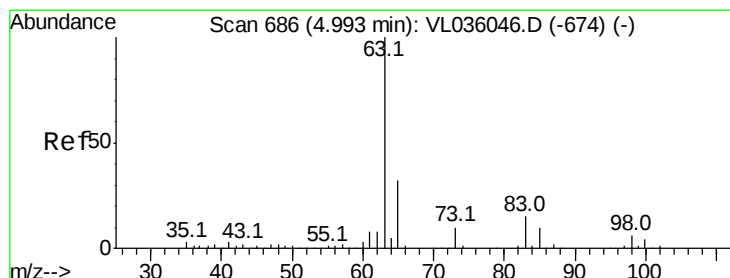
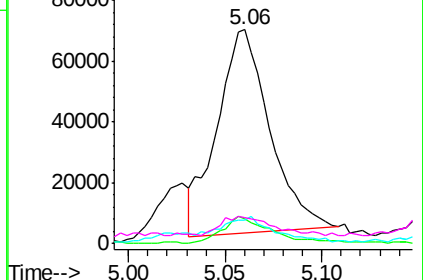
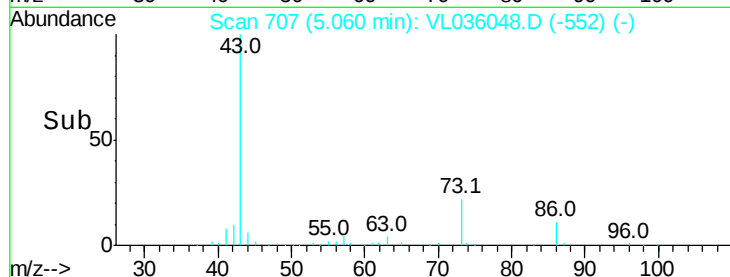


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.009 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

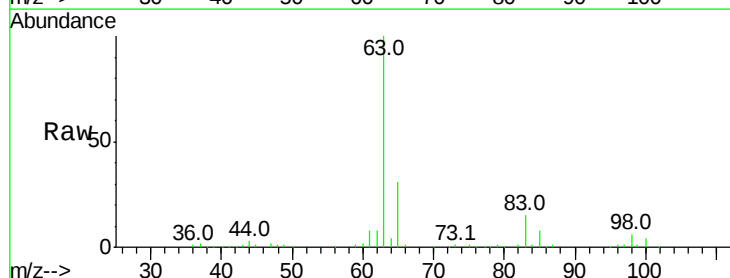
Tgt Ion: 63 Resp: 180133

Ion Ratio Lower Upper

63 100

98 5.6 3.1 9.3

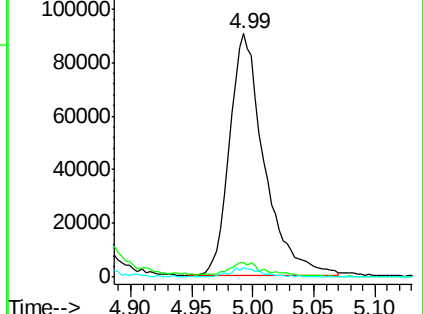
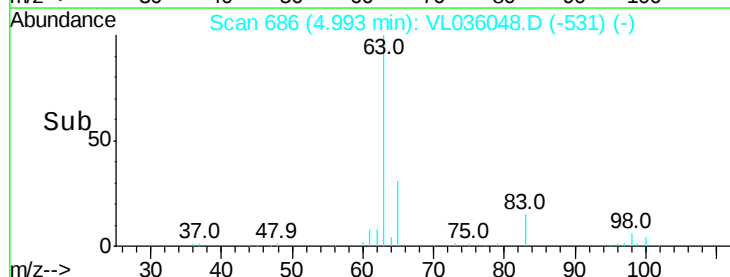
100 3.8 1.9 5.7

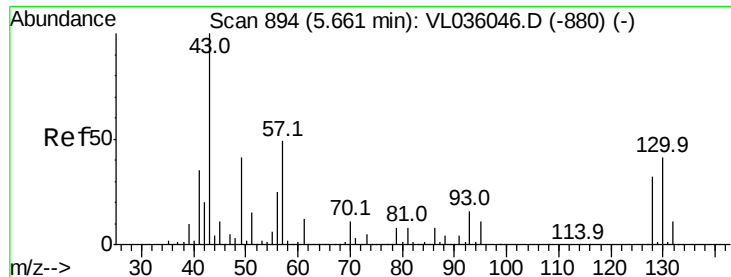


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

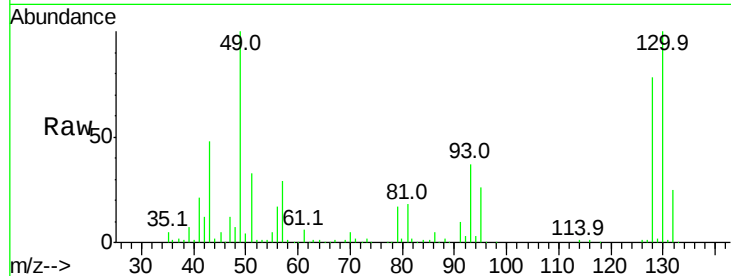




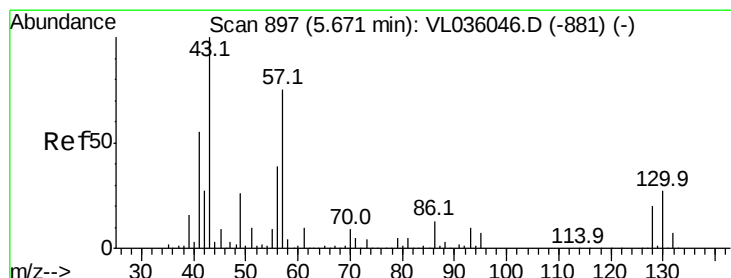
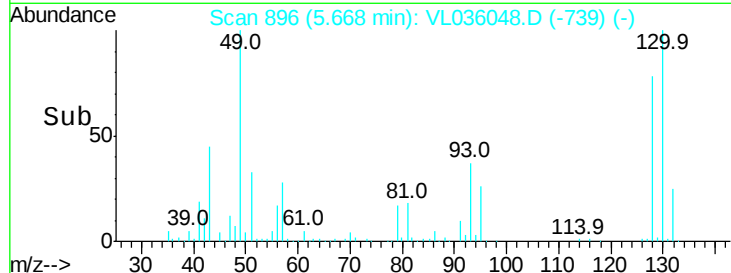
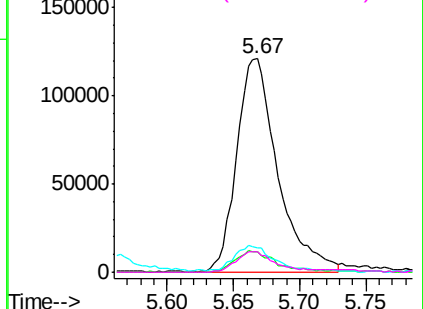
#25
Ethyl Acetate
Concen: 0.992 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 261375
Ion Ratio Lower Upper
43 100
45 10.7 8.6 13.0
61 12.8 10.6 16.0
70 9.4 8.1 12.1

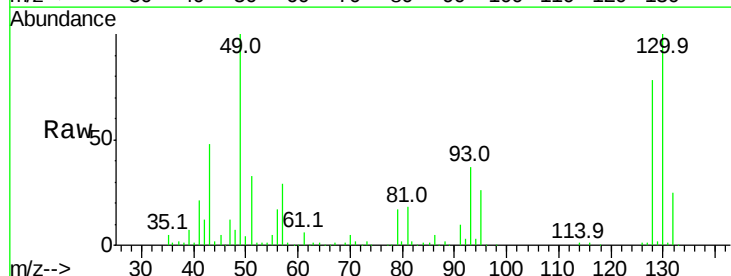


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

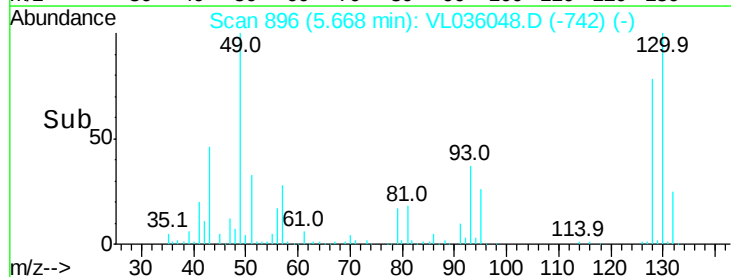
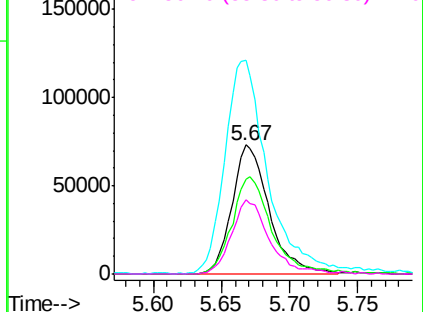


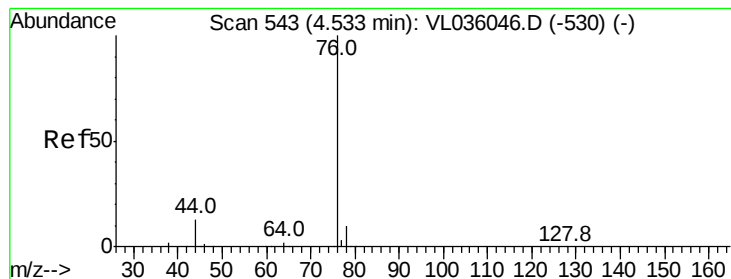
#26
Hexane
Concen: 0.956 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 57 Resp: 138859
Ion Ratio Lower Upper
57 100
41 81.7 61.6 92.4
43 193.9 152.9 229.3
56 58.9 43.0 64.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.869 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

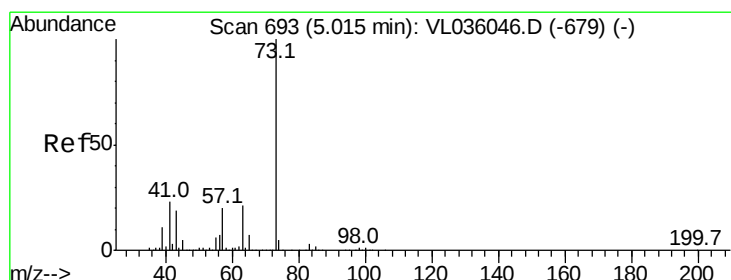
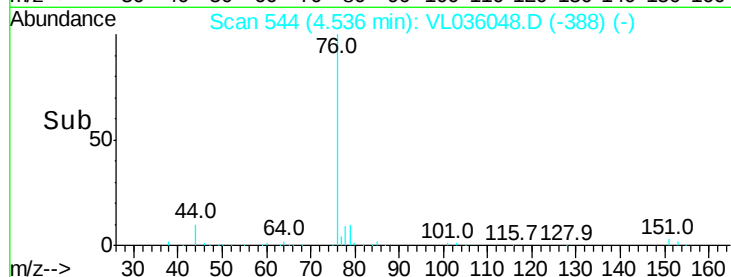
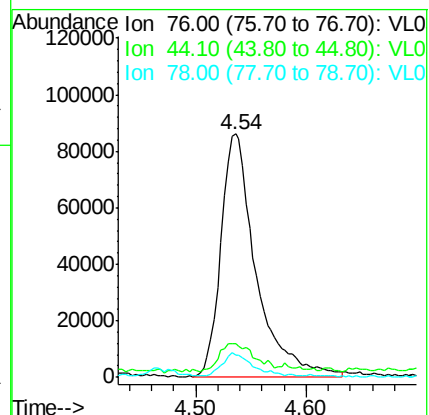
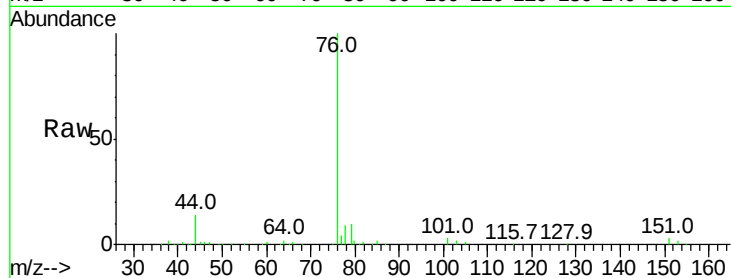
Tgt Ion: 76 Resp: 189220

Ion Ratio Lower Upper

76 100

44 13.3 9.6 14.4

78 9.9 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 0.780 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL036048.D

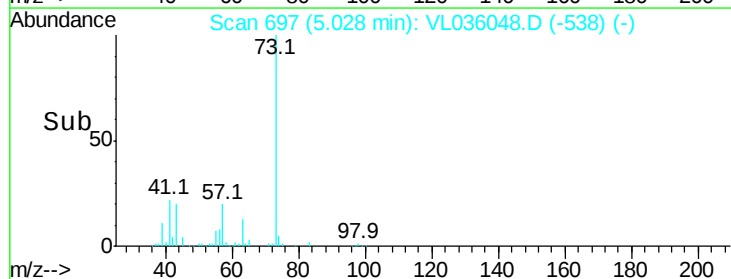
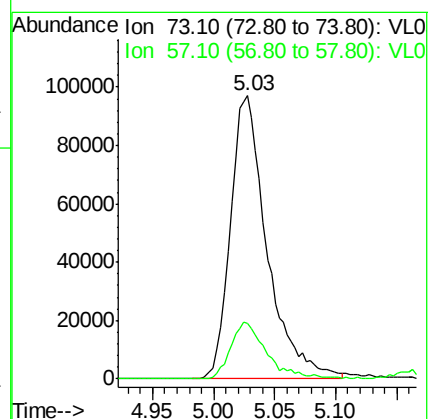
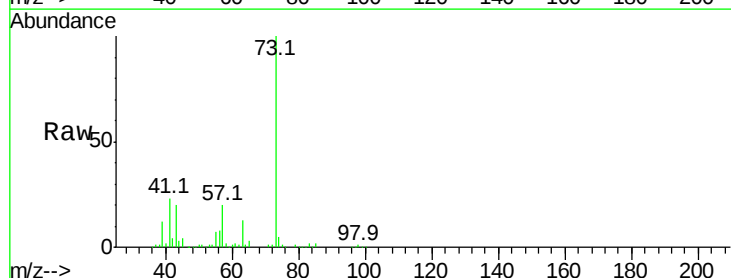
Acq: 3 Dec 2020 11:06

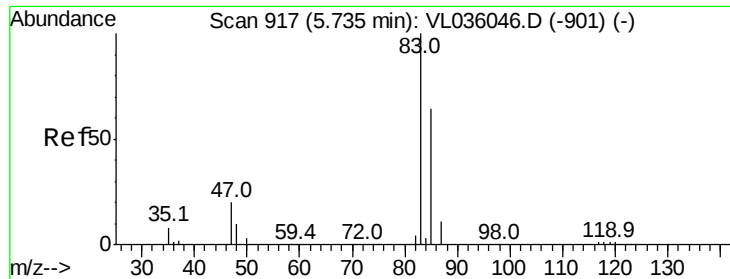
Tgt Ion: 73 Resp: 203430

Ion Ratio Lower Upper

73 100

57 19.8 15.8 23.8

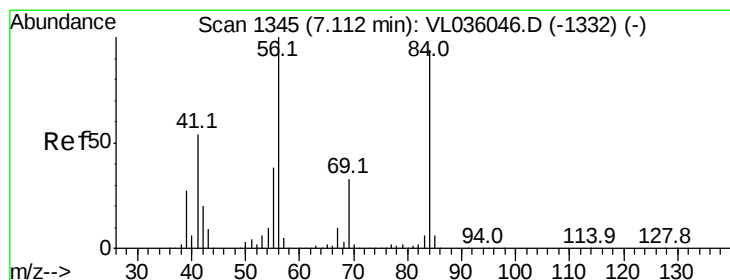
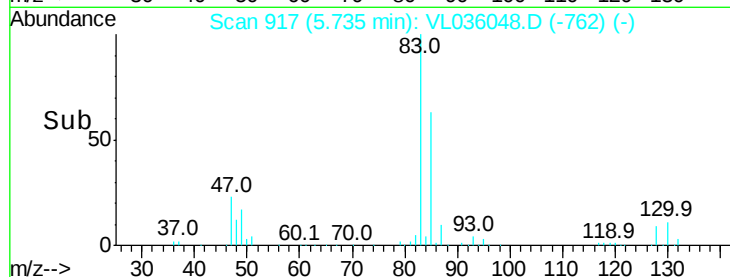
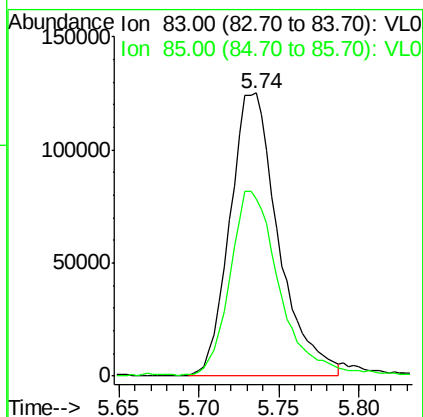
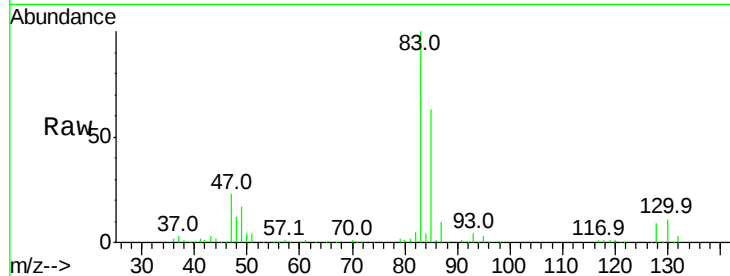




#29
Chloroform
Concen: 0.903 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

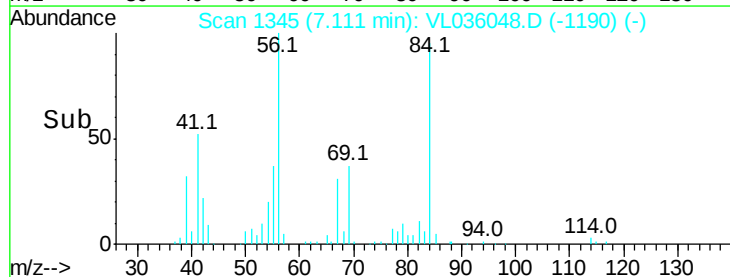
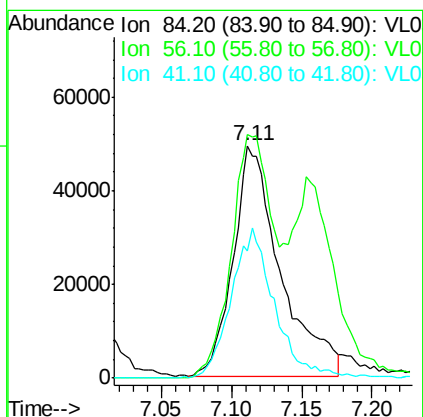
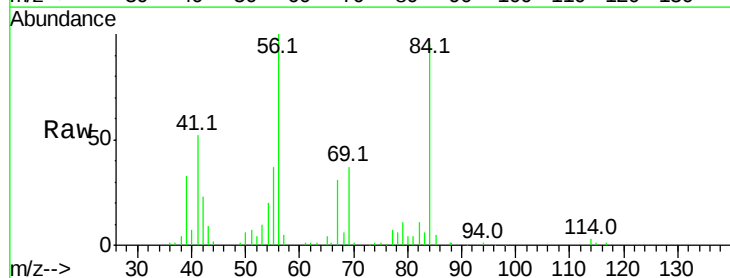
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

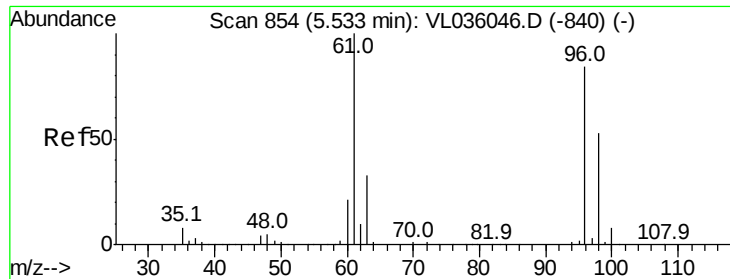
Tgt Ion: 83 Resp: 257958
Ion Ratio Lower Upper
83 100
85 62.2 51.6 77.4



#30
Cyclohexane
Concen: 0.731 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 84 Resp: 115632
Ion Ratio Lower Upper
84 100
56 93.9 89.9 134.9
41 59.7 46.1 69.1

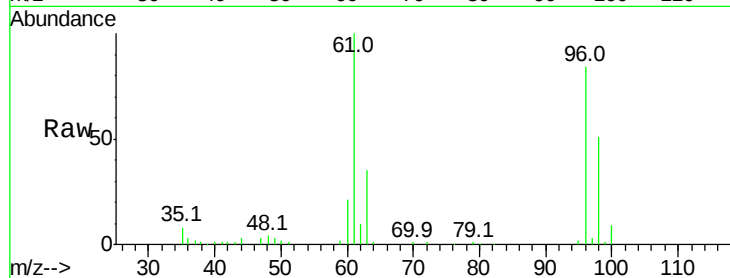




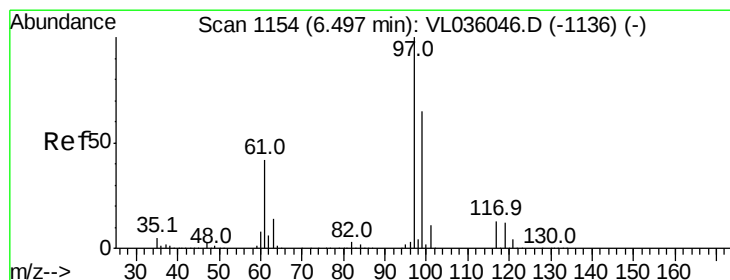
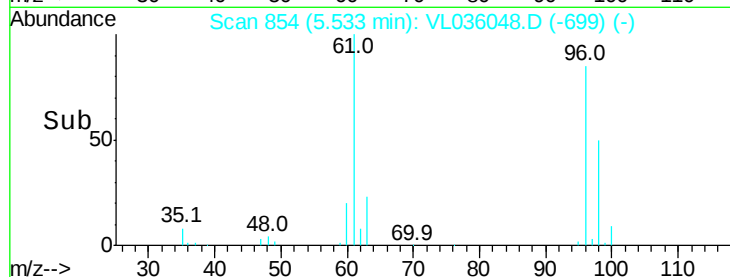
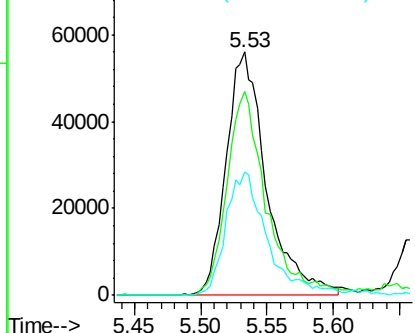
#31
 cis-1,2-Dichloroethene
 Concen: 0.795 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 61 Resp: 118781
 Ion Ratio Lower Upper
 61 100
 96 83.6 66.8 100.2
 98 50.6 42.6 63.8

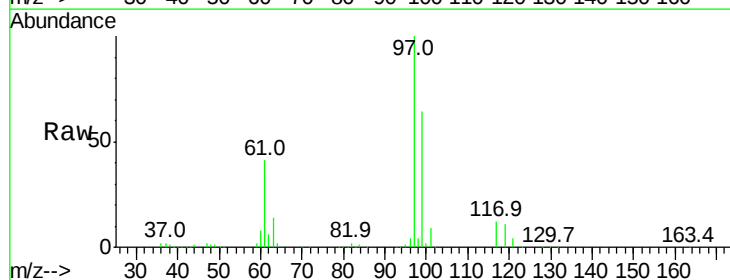


Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0

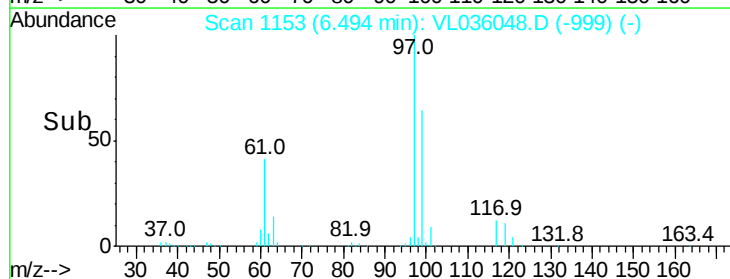
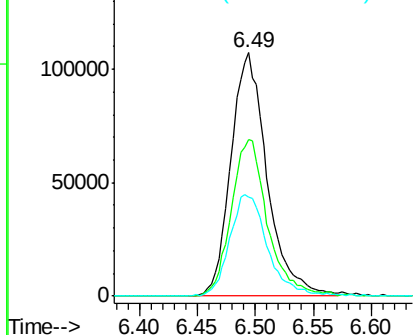


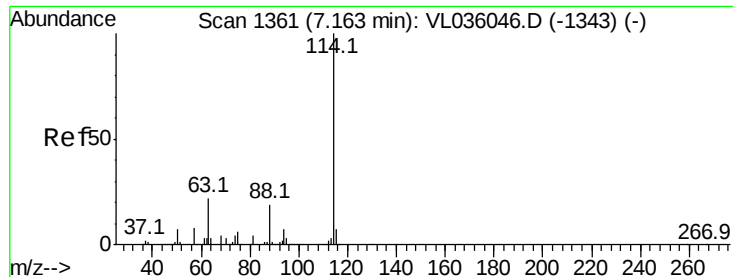
#32
 1,1,1-Trichloroethane
 Concen: 0.778 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion: 97 Resp: 231934
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.4 78.6
 61 44.1 34.7 52.1



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

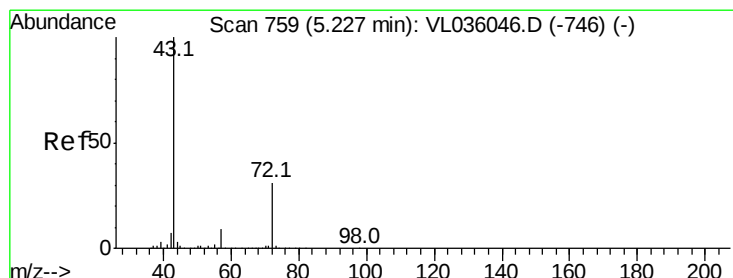
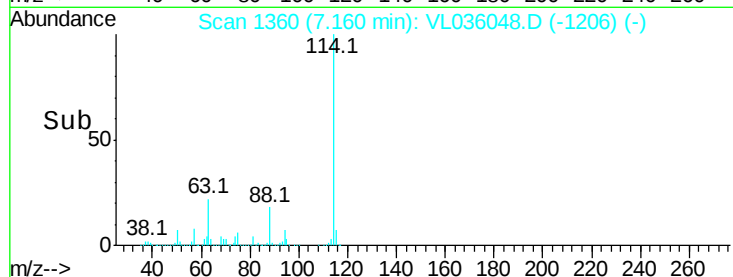
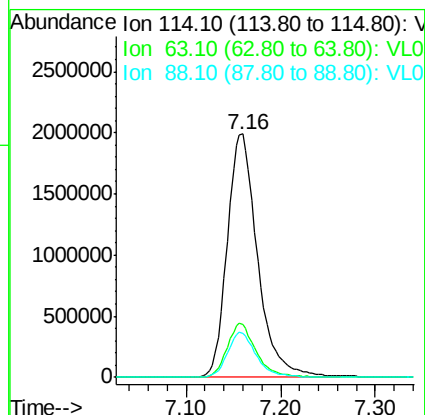
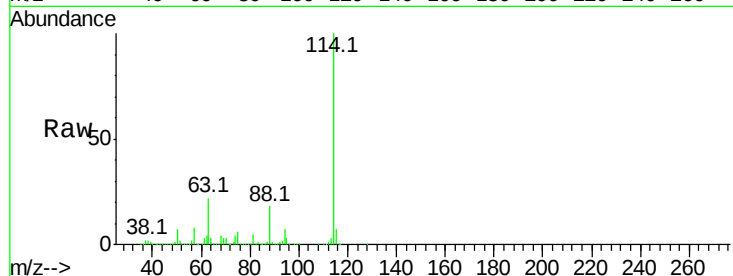




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

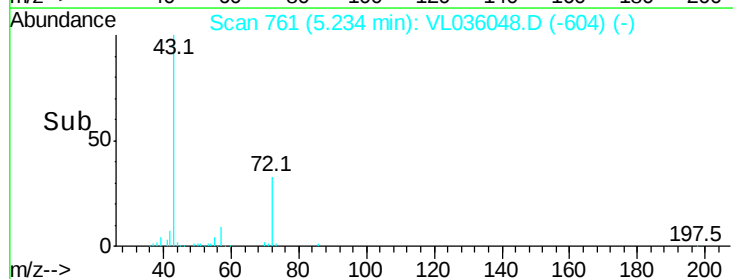
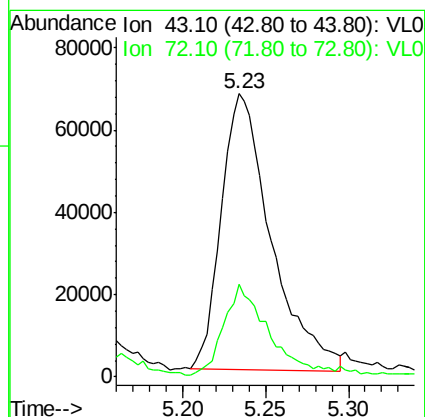
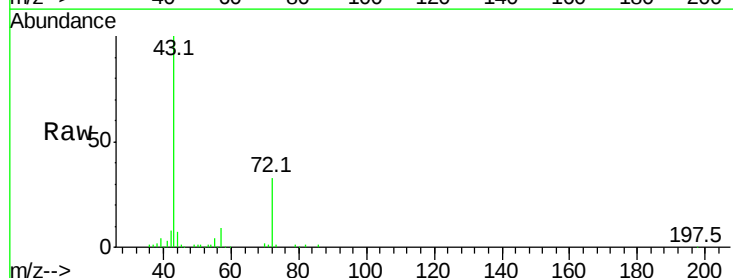
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

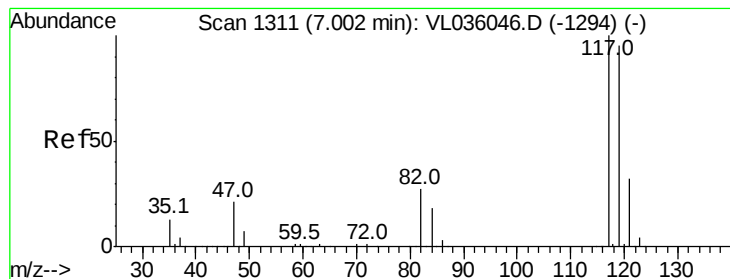
Tgt Ion:114 Resp: 4434697
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.2 25.8
 88 17.6 14.0 21.0



#34
 2-Butanone
 Concen: 0.973 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion: 43 Resp: 140055
 Ion Ratio Lower Upper
 43 100
 72 34.0 24.5 36.7





#35

Carbon Tetrachloride

Concen: 0.925 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

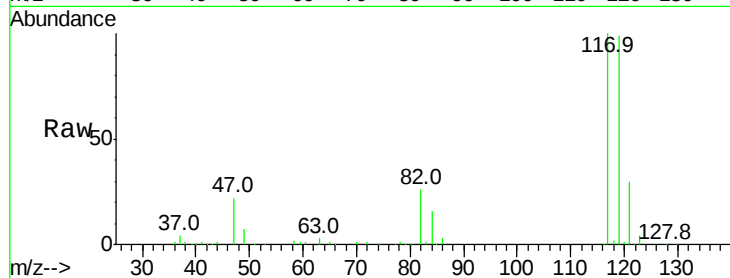
Tgt Ion:117 Resp: 219237

Ion Ratio Lower Upper

117 100

119 99.4 75.9 113.9

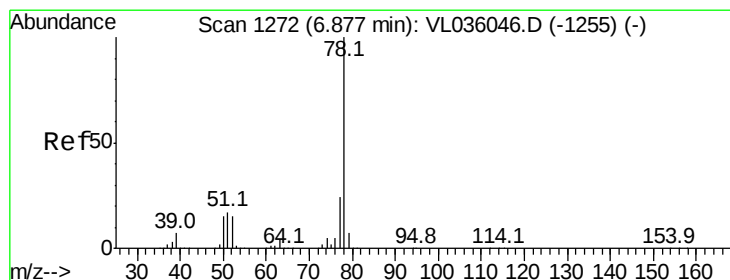
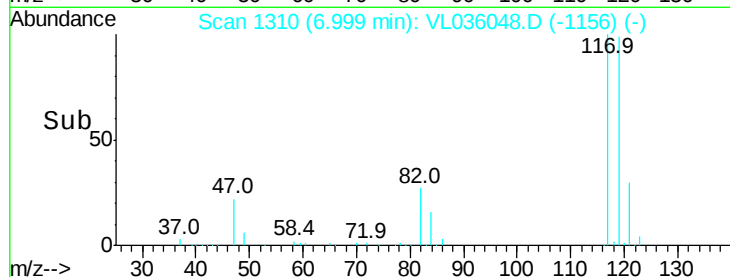
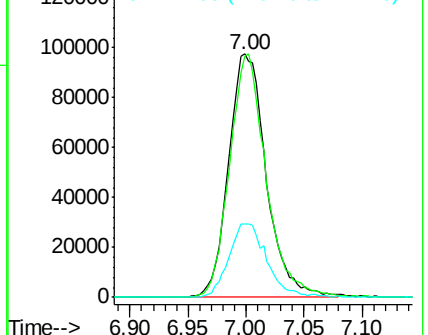
121 30.0 25.8 38.8



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: 0.875 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

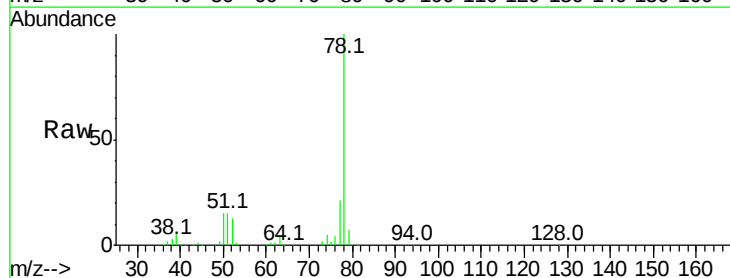
Tgt Ion: 78 Resp: 288326

Ion Ratio Lower Upper

78 100

77 21.5 19.1 28.7

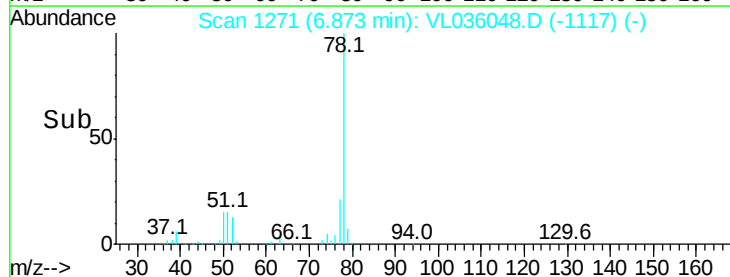
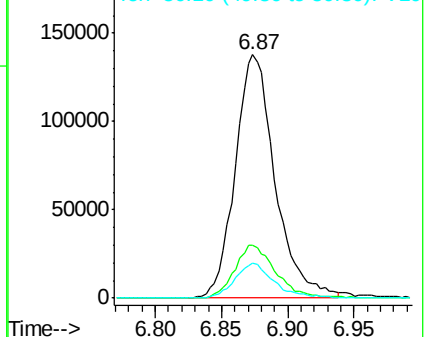
50 14.6 12.0 18.0

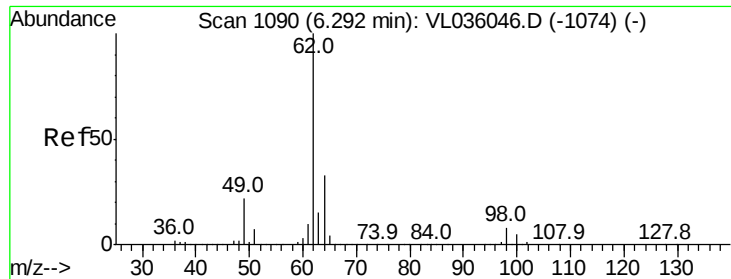


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

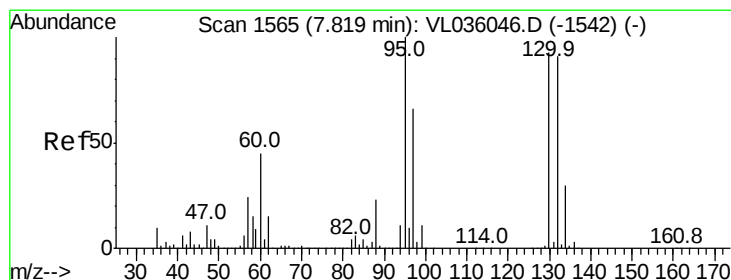
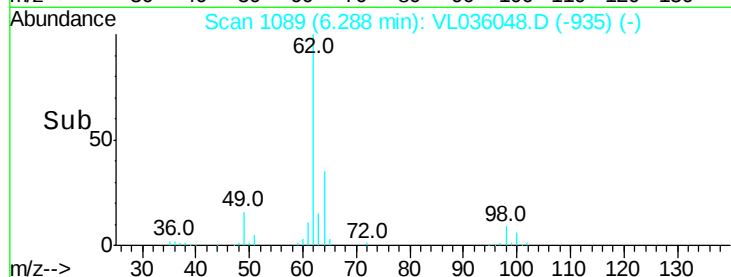
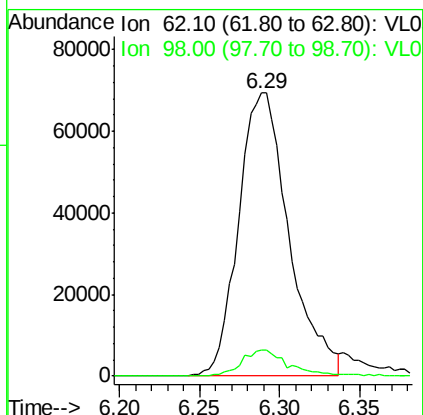
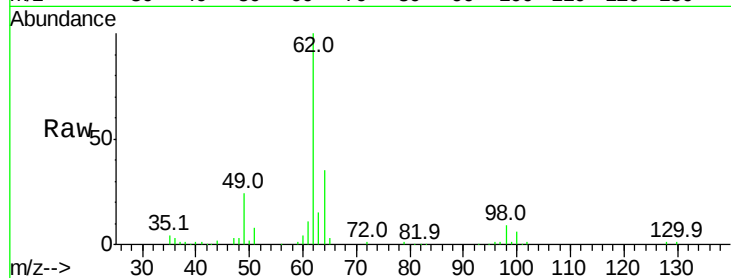




#37
 1,2-Dichloroethane
 Concen: 1.005 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

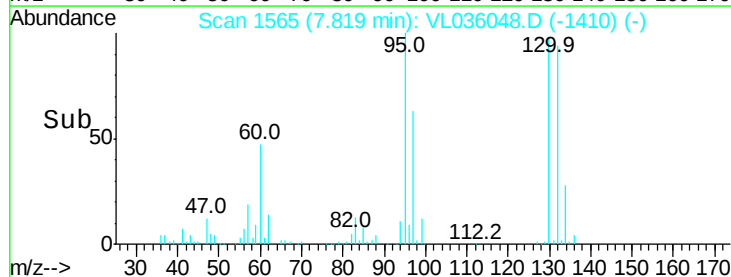
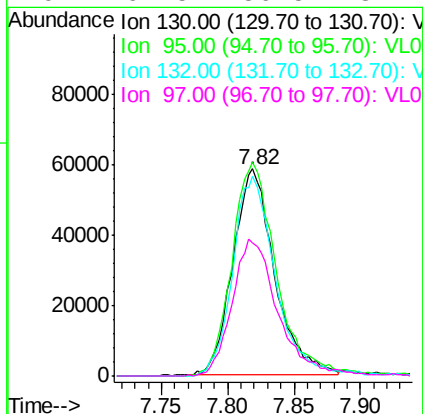
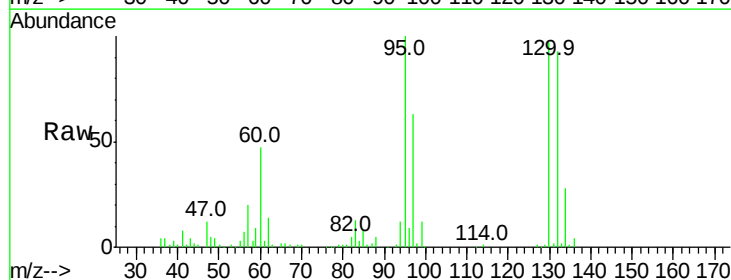
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

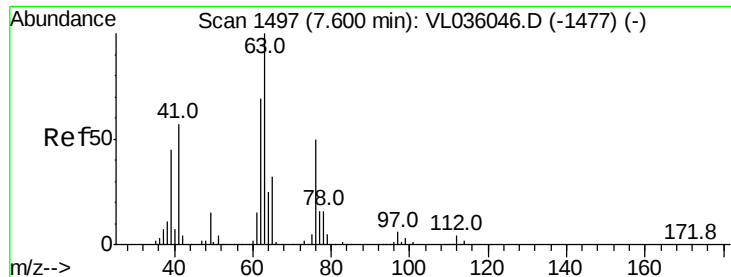
Tgt Ion: 62 Resp: 150076
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.4 9.6



#38
 Trichloroethene
 Concen: 0.796 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion: 130 Resp: 128226
 Ion Ratio Lower Upper
 130 100
 95 103.4 86.1 129.1
 132 96.7 78.6 118.0
 97 64.5 56.5 84.7





#39

1,2-Dichloropropane

Concen: 1.034 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

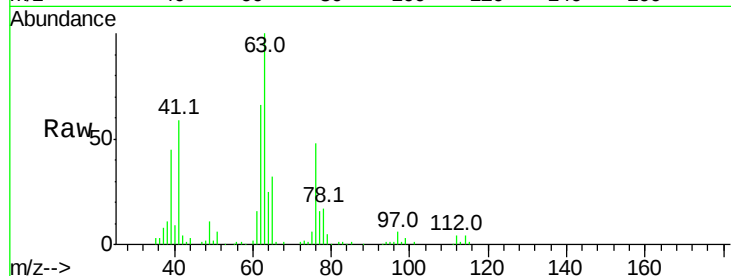
Tgt Ion: 63 Resp: 114811

Ion Ratio Lower Upper

63 100

41 58.0 45.4 68.0

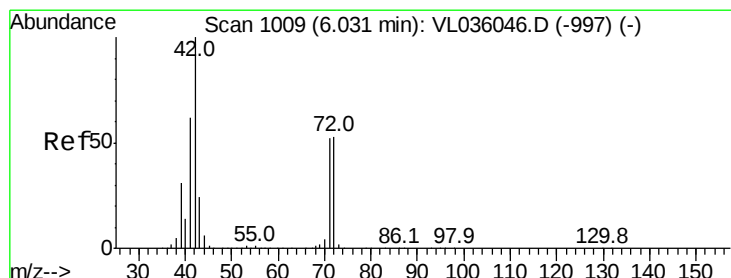
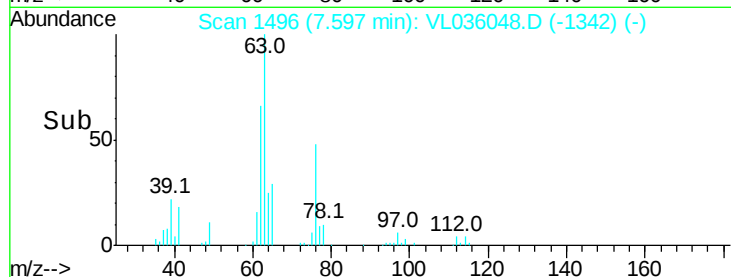
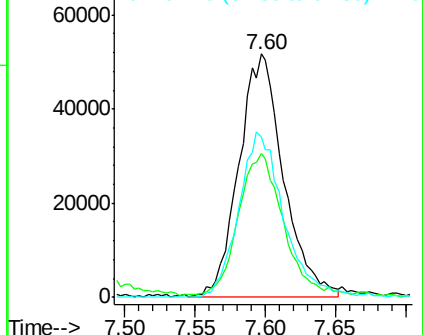
62 65.9 55.3 82.9



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.751 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

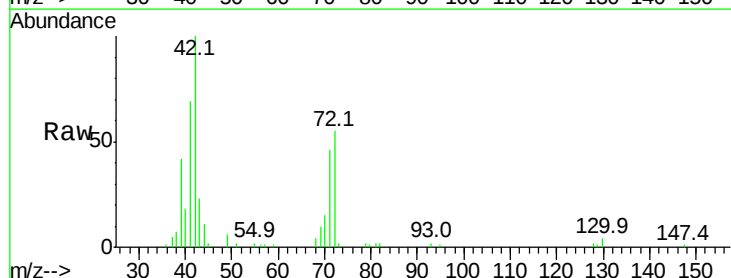
Tgt Ion: 42 Resp: 61445

Ion Ratio Lower Upper

42 100

72 57.5 42.7 64.1

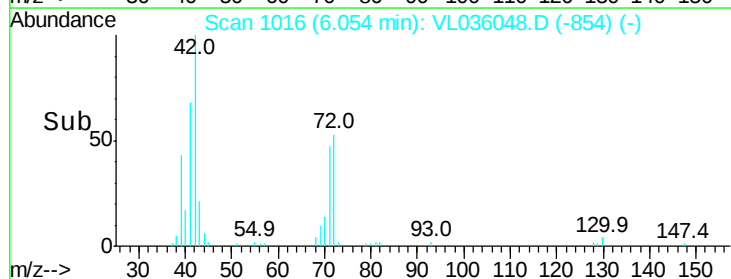
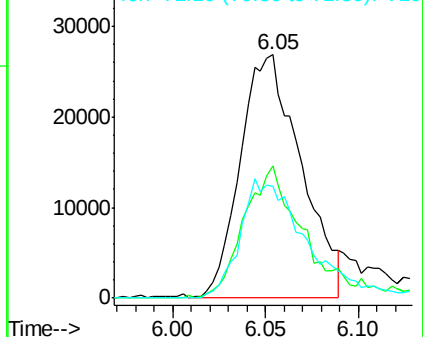
71 54.7 41.0 61.4

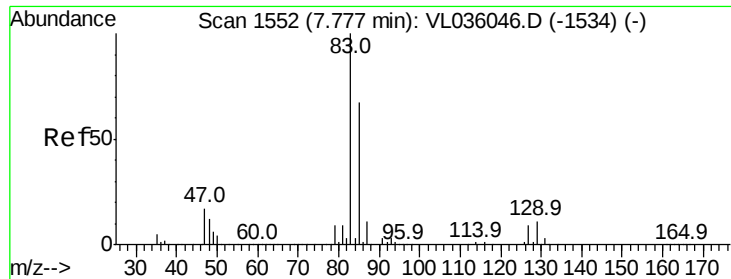


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.931 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

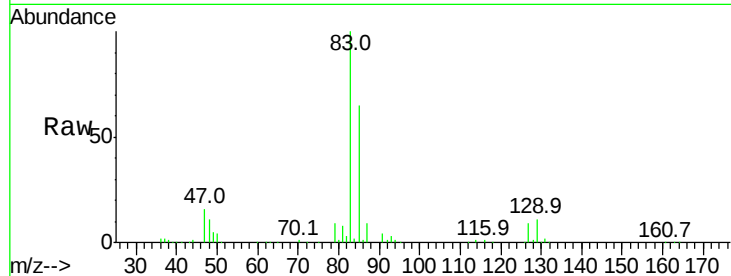
Tgt Ion: 83 Resp: 234547

Ion Ratio Lower Upper

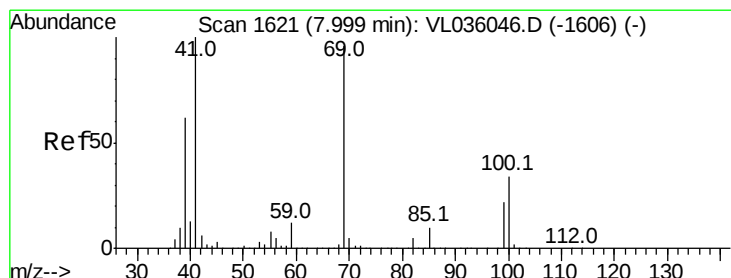
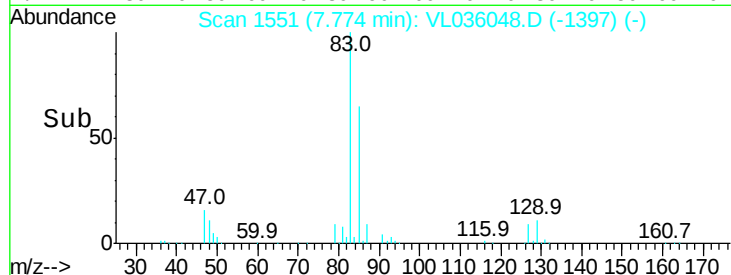
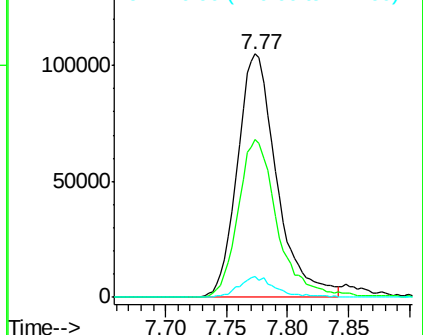
83 100

85 64.7 53.7 80.5

127 8.5 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.743 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

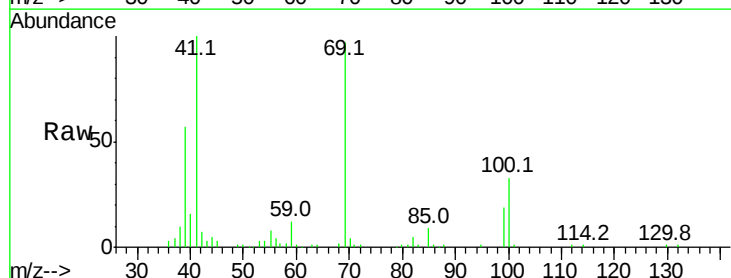
Tgt Ion: 69 Resp: 93473

Ion Ratio Lower Upper

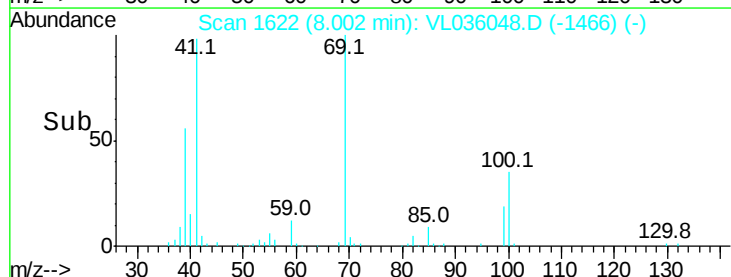
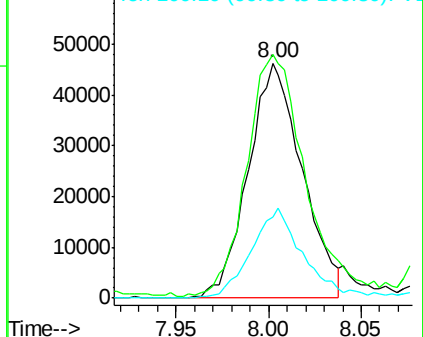
69 100

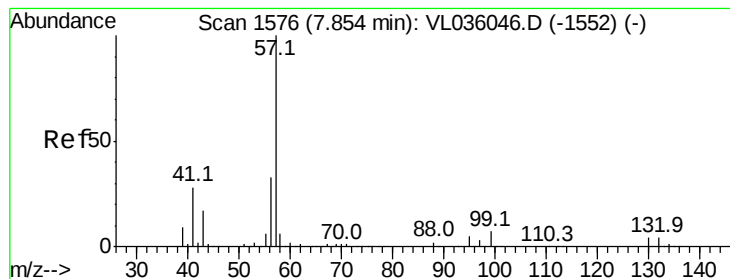
41 113.7 86.5 129.7

100 36.6 29.0 43.6



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: 1.042 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

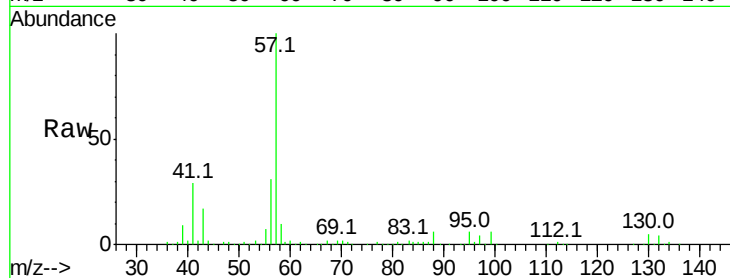
Tgt Ion: 57 Resp: 454464

Ion Ratio Lower Upper

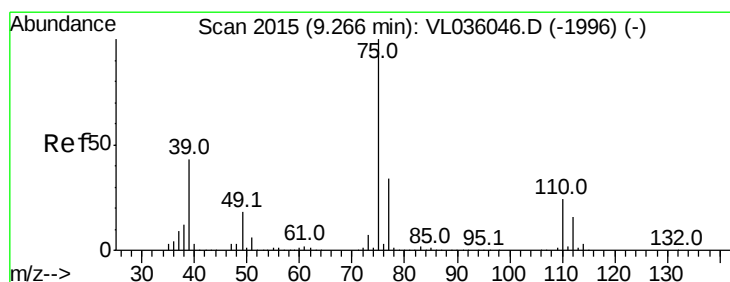
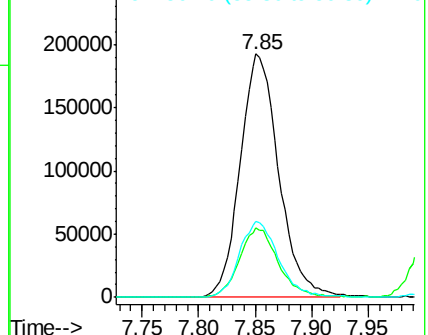
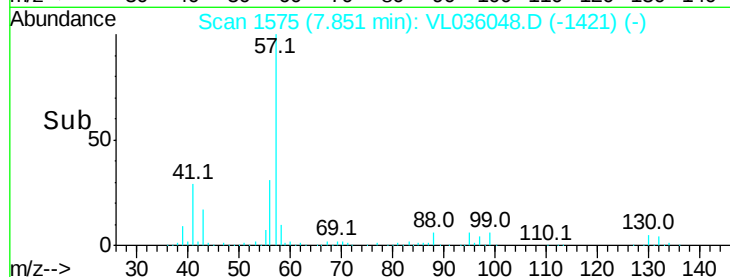
57 100

41 29.2 21.9 32.9

56 32.0 25.8 38.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#45

t-1,3-Dichloropropene

Concen: 0.554 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL036048.D

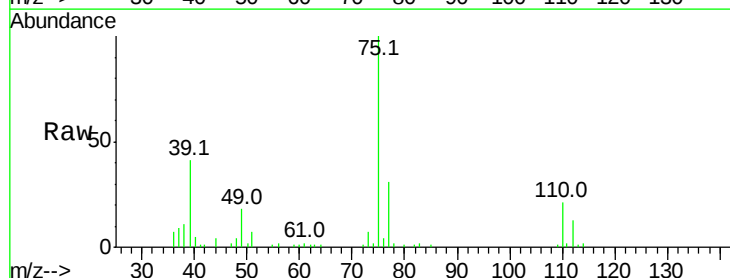
Acq: 3 Dec 2020 11:06

Tgt Ion: 75 Resp: 73859

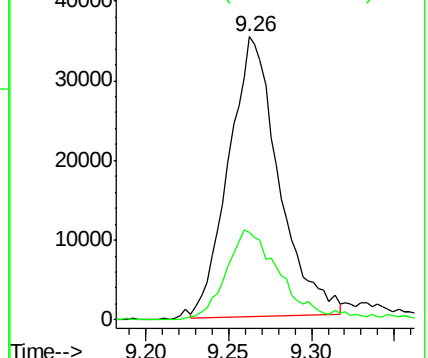
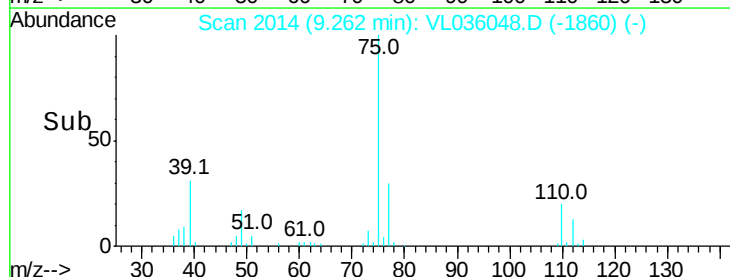
Ion Ratio Lower Upper

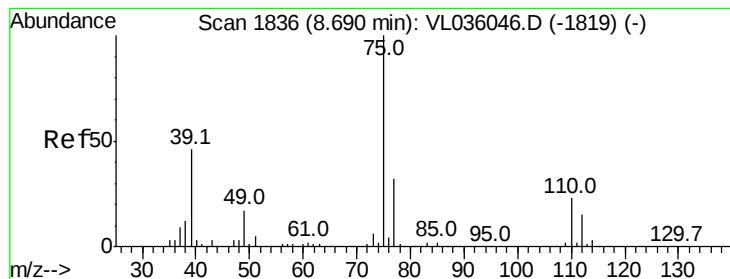
75 100

77 31.1 26.8 40.2



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



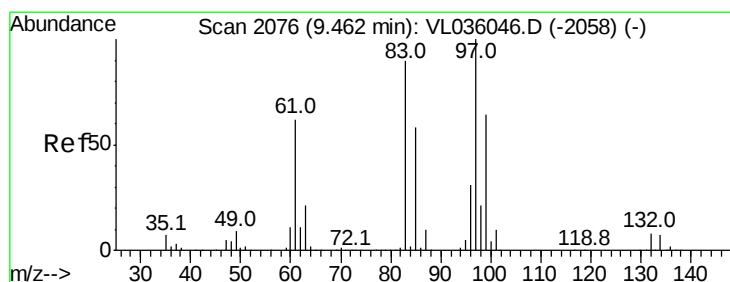
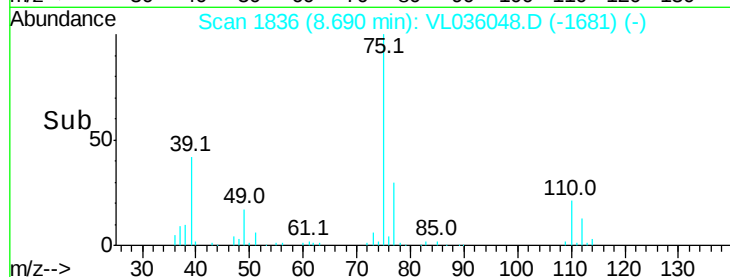
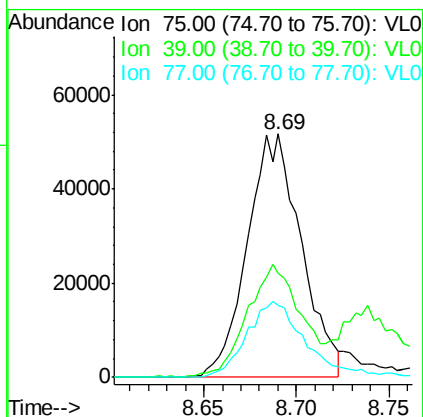
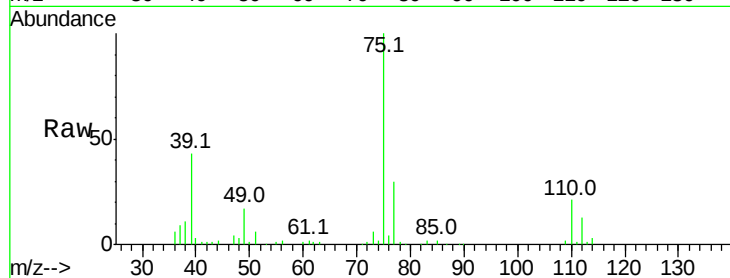


#46

cis-1,3-Dichloropropene
 Concen: 0.620 ppbv
 RT: 8.69 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

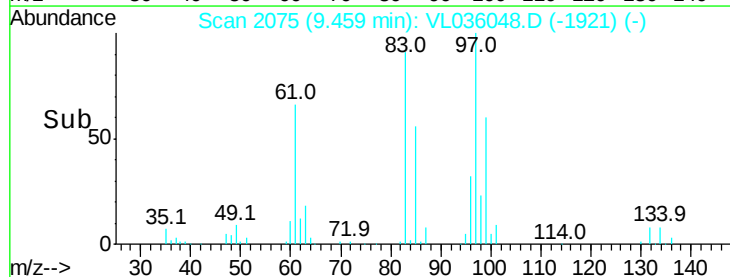
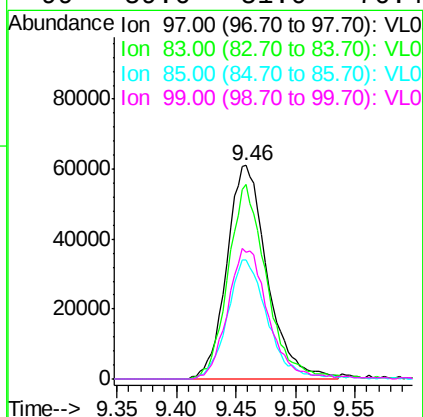
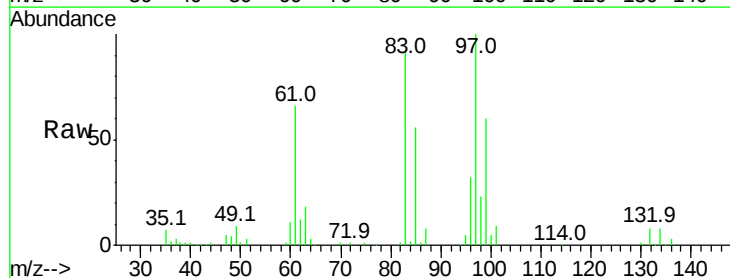
Tgt Ion	Ratio	Lower	Upper
75	100		
39	42.3	37.0	55.4
77	29.6	25.5	38.3

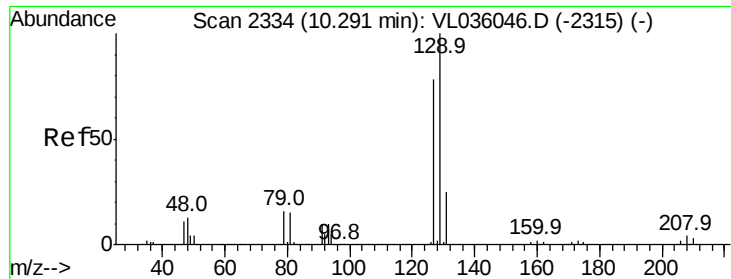


#47

1,1,2-Trichloroethane
 Concen: 0.951 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.1	108.1
85	55.7	46.6	69.8
99	59.6	51.0	76.4





#48

Dibromochloromethane

Concen: 0.773 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

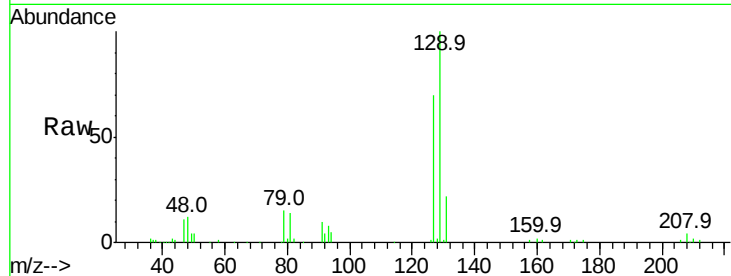
VSTDIC001

Tgt Ion:129 Resp: 178517

Ion Ratio Lower Upper

129 100

127 79.1 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.29

80000

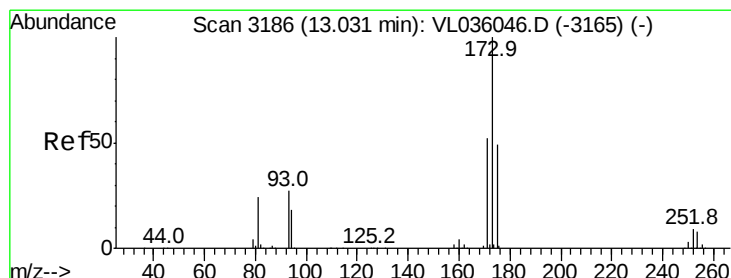
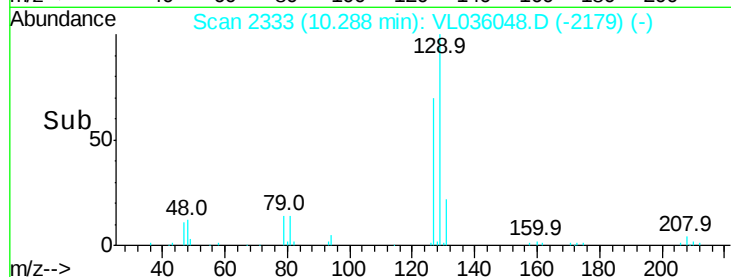
60000

40000

20000

0

Time--> 10.20 10.25 10.30 10.35



#49

Bromoform

Concen: 0.615 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

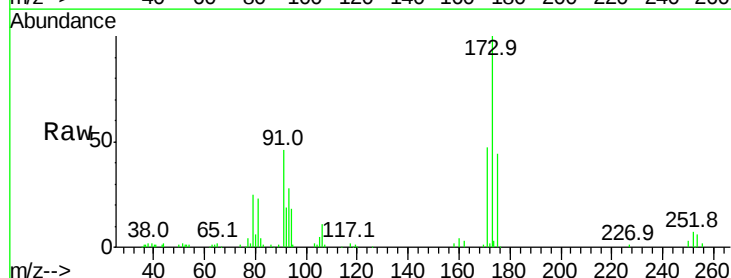
Tgt Ion:173 Resp: 119922

Ion Ratio Lower Upper

173 100

175 51.6 39.5 59.3

171 55.2 42.6 63.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

13.02

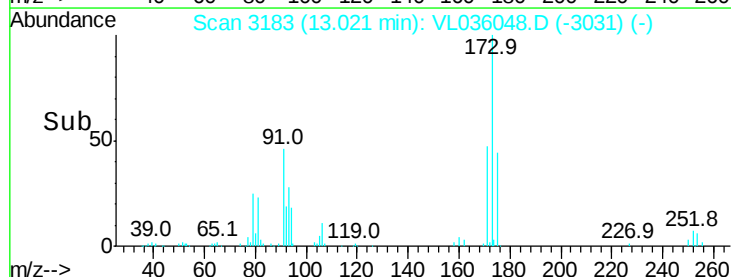
60000

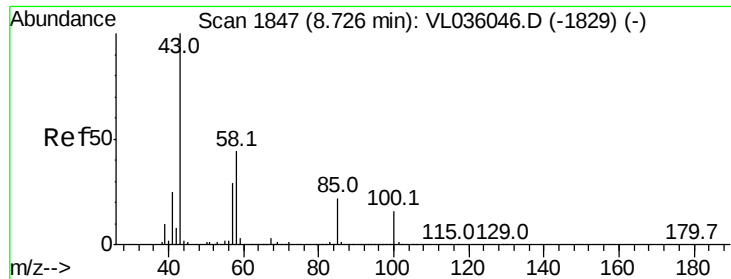
40000

20000

0

Time--> 12.95 13.00 13.05 13.10

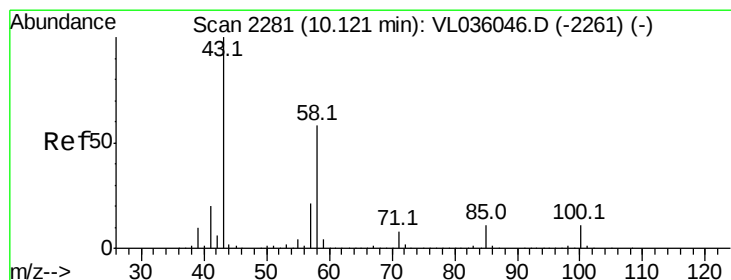
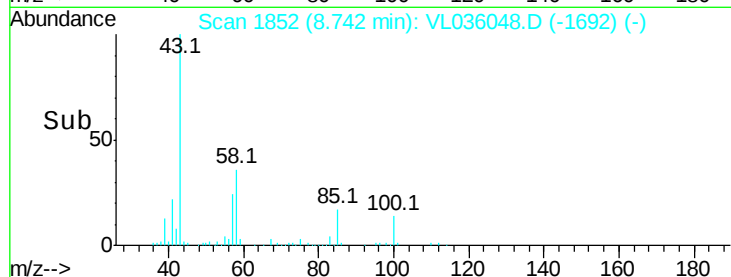
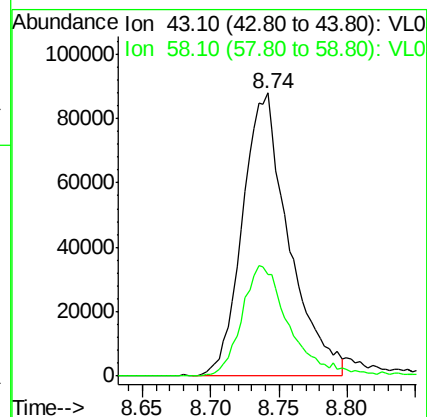
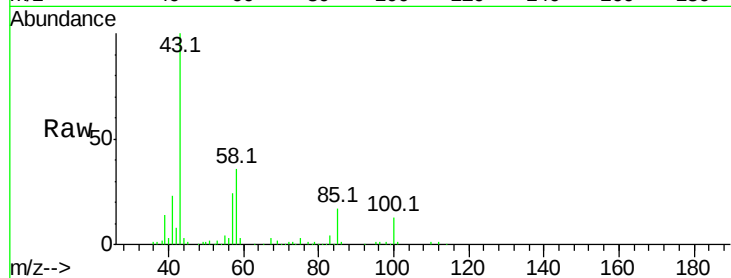




#50
 4-Methyl-2-Pentanone
 Concen: 0.938 ppbv
 RT: 8.74 min Scan# 1852
 Delta R.T. 0.02 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

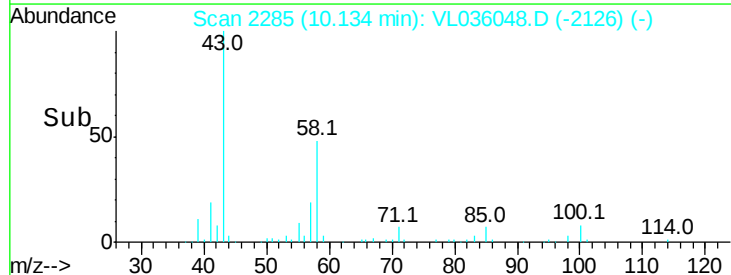
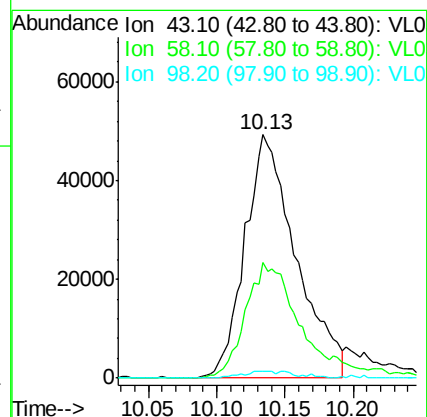
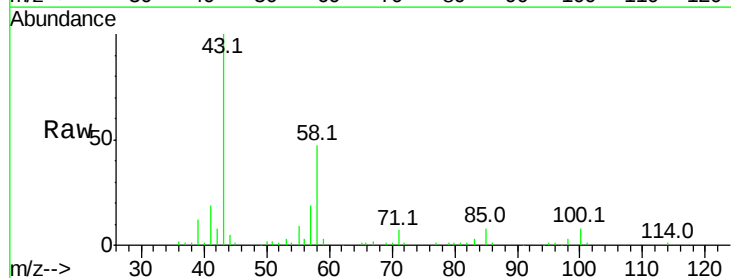
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

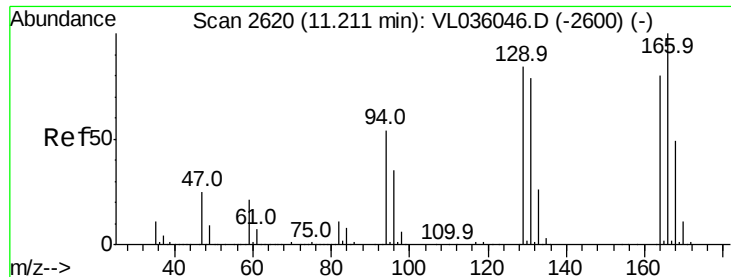
Tgt Ion: 43 Resp: 206511
 Ion Ratio Lower Upper
 43 100
 58 41.1 34.7 52.1



#51
 2-Hexanone
 Concen: 0.725 ppbv
 RT: 10.13 min Scan# 2285
 Delta R.T. 0.01 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion: 43 Resp: 128152
 Ion Ratio Lower Upper
 43 100
 58 54.2 45.7 68.5
 98 3.2 0.8 1.2#





#52

Tetrachloroethene

Concen: 0.707 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 110353

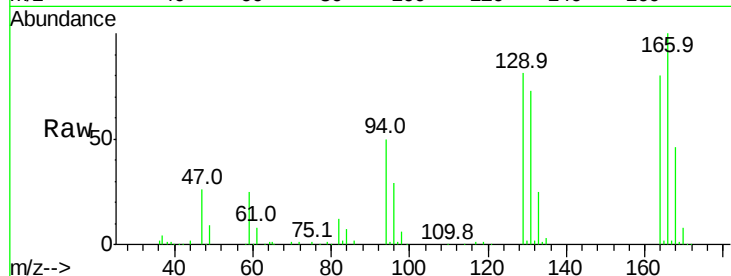
Ion Ratio Lower Upper

164 100

166 124.9 100.2 150.2

129 100.9 83.7 125.5

131 91.3 78.7 118.1

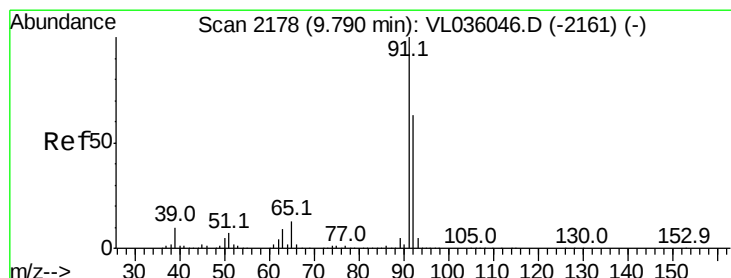
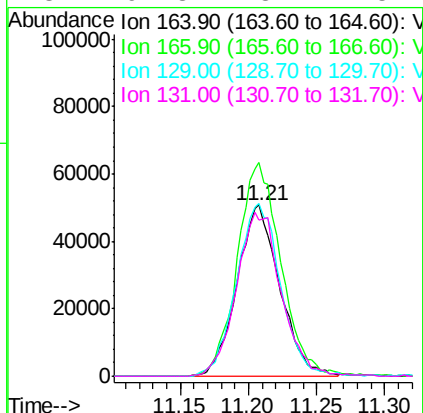
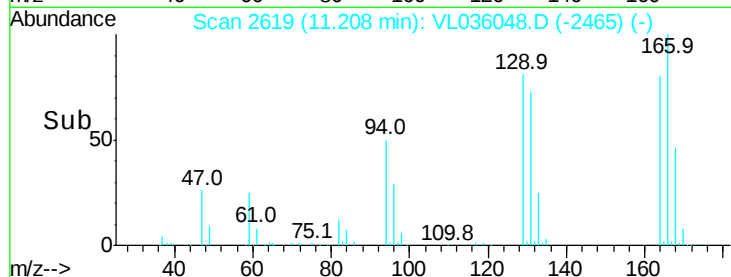


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.732 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.00 min

Lab File: VL036048.D

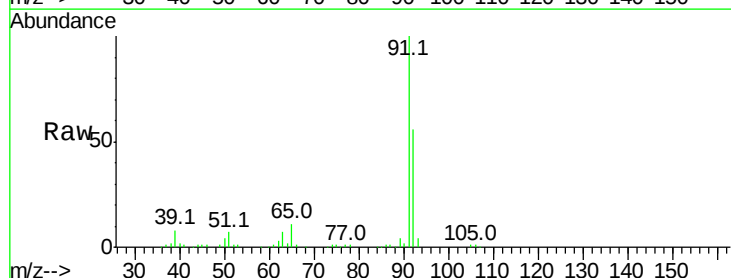
Acq: 3 Dec 2020 11:06

Tgt Ion: 91 Resp: 291092

Ion Ratio Lower Upper

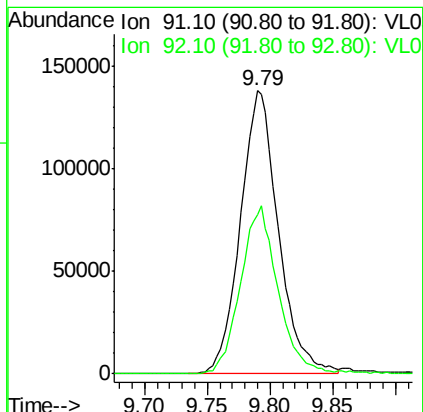
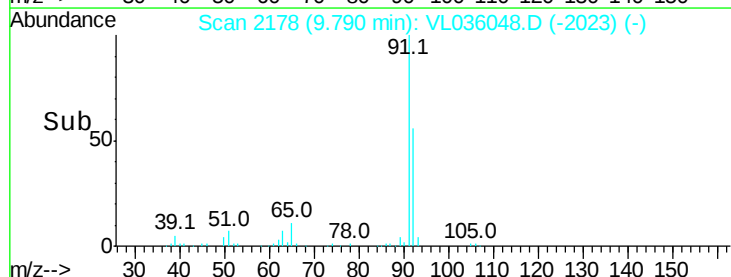
91 100

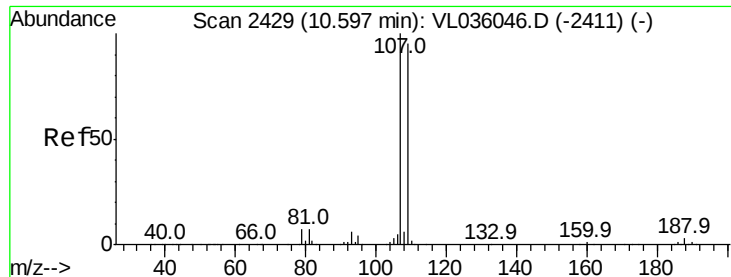
92 59.3 49.3 73.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.827 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

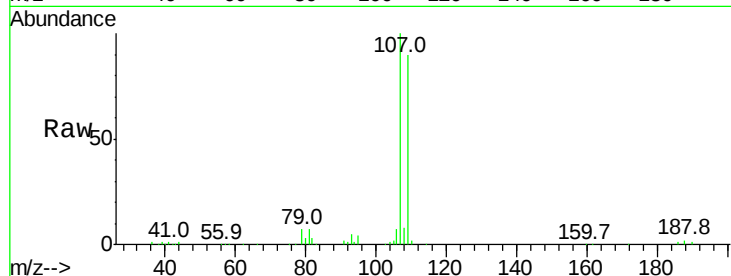
VSTDIC001

Tgt Ion:107 Resp: 190208

Ion Ratio Lower Upper

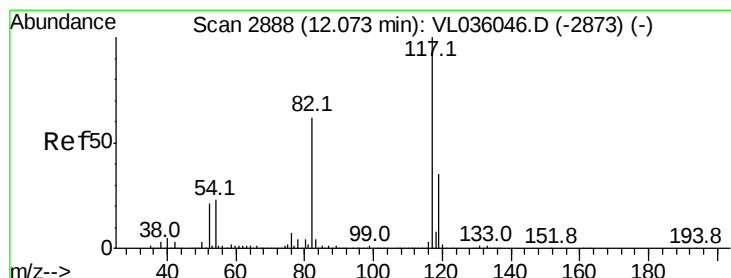
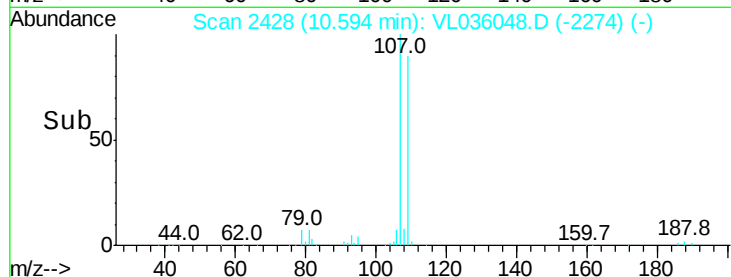
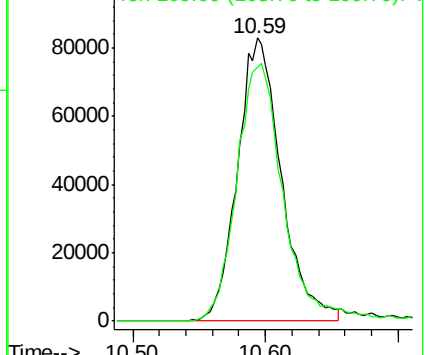
107 100

109 89.3 75.7 113.5



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: 12.07 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

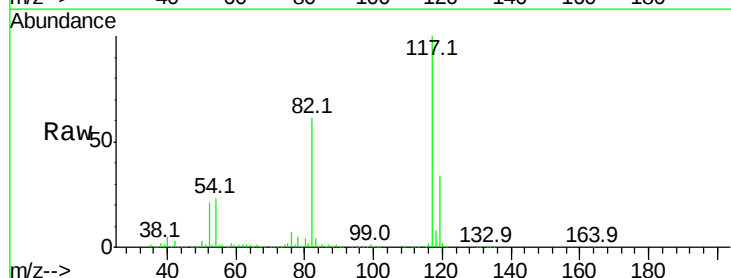
Tgt Ion:117 Resp: 4147252

Ion Ratio Lower Upper

117 100

82 60.2 49.9 74.9

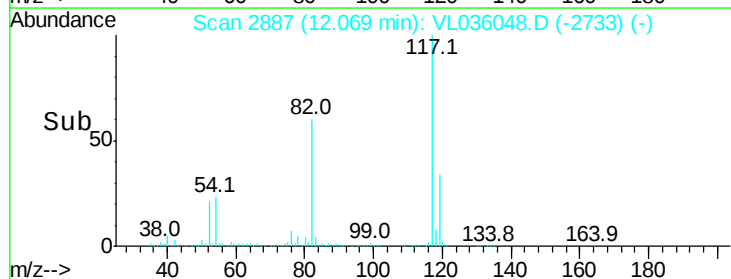
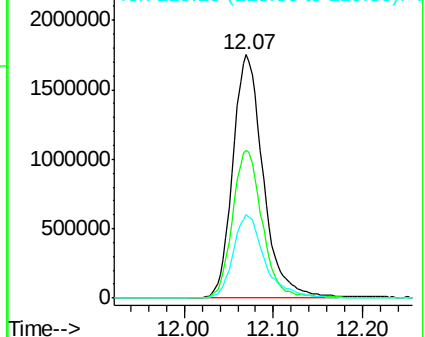
119 35.6 28.7 43.1

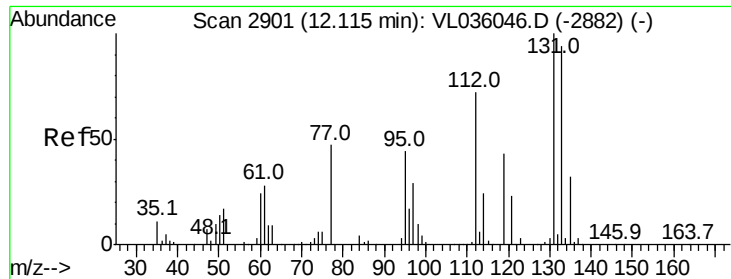


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#56

1,1,1,2-Tetrachloroethane

Concen: 0.879 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

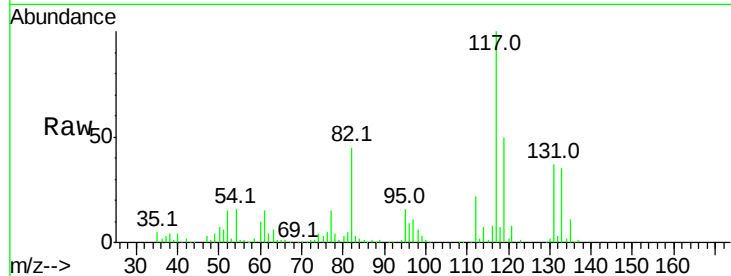
Tgt Ion:131 Resp: 163709

Ion Ratio Lower Upper

131 100

133 96.0 76.1 114.1

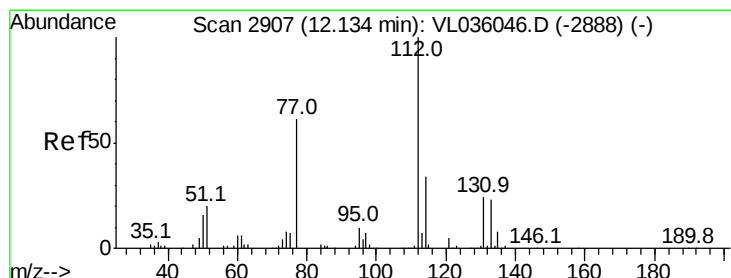
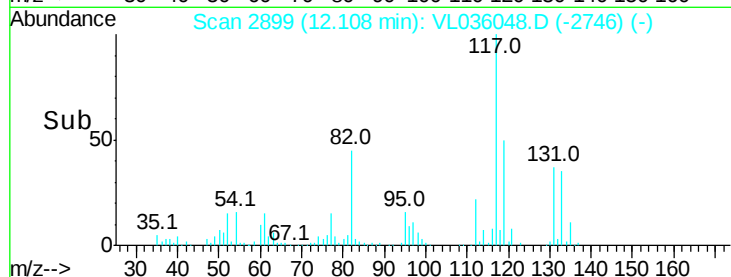
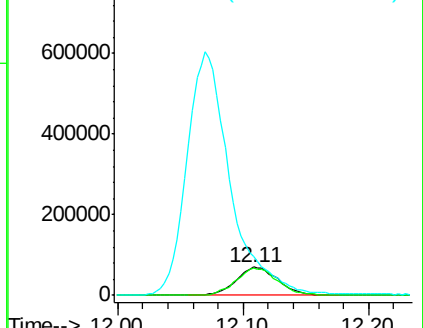
119 904.1 49.5 74.3#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.949 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

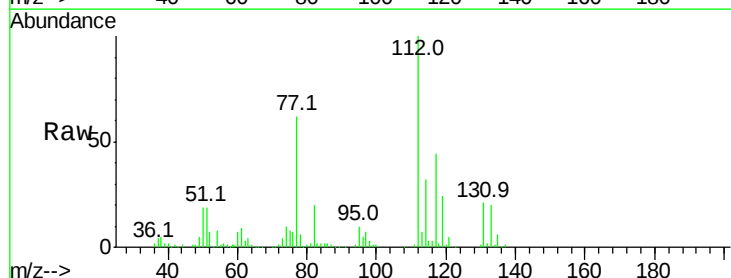
Tgt Ion:112 Resp: 312975

Ion Ratio Lower Upper

112 100

77 61.2 49.3 73.9

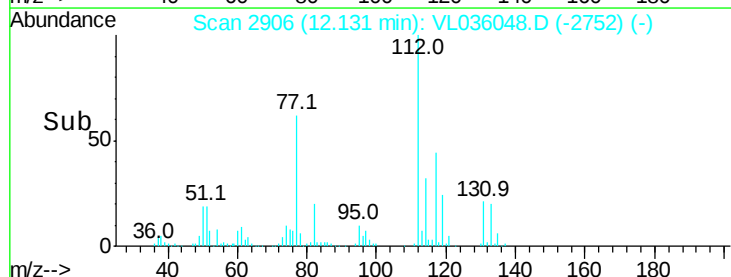
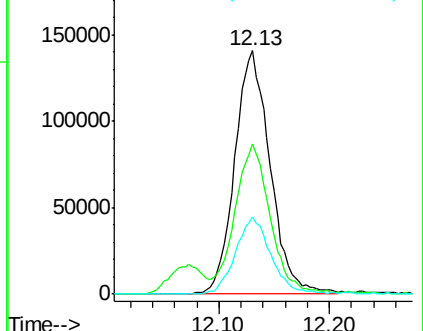
114 32.0 30.2 36.9

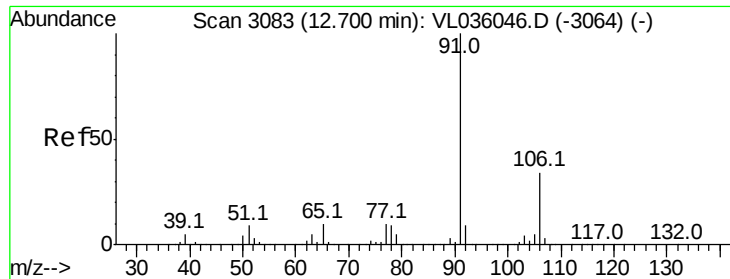


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.732 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

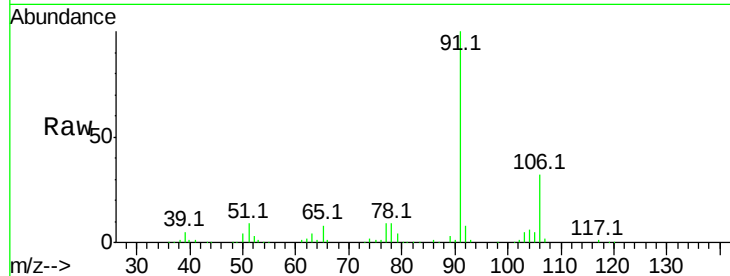
VSTDIC001

Tgt Ion: 91 Resp: 369798

Ion Ratio Lower Upper

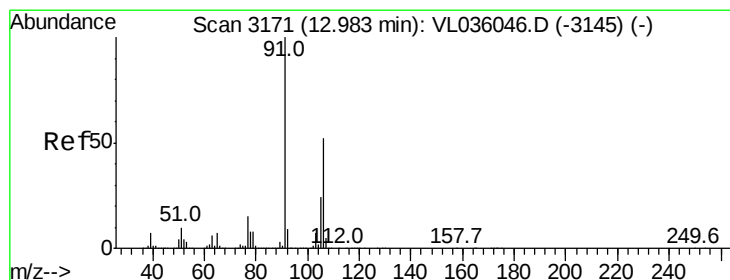
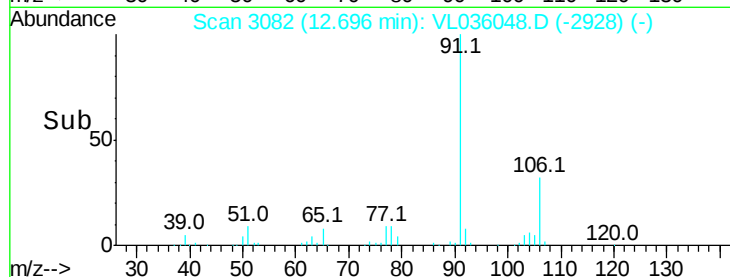
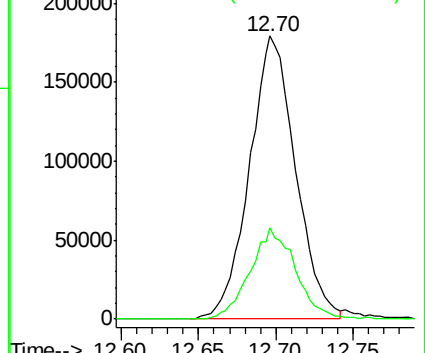
91 100

106 32.4 27.4 41.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 1.087 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL036048.D

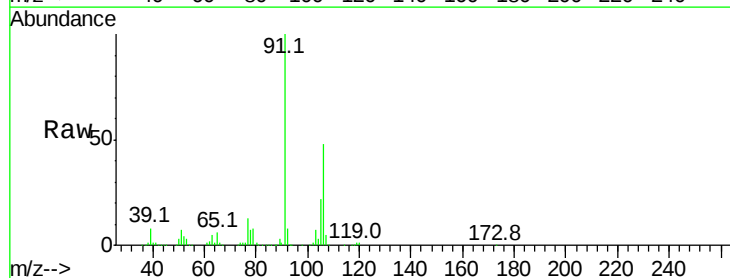
Acq: 3 Dec 2020 11:06

Tgt Ion: 91 Resp: 464517

Ion Ratio Lower Upper

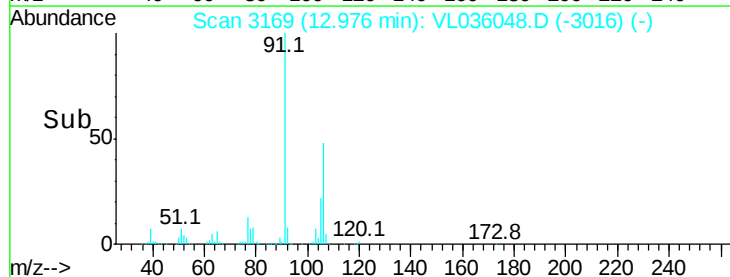
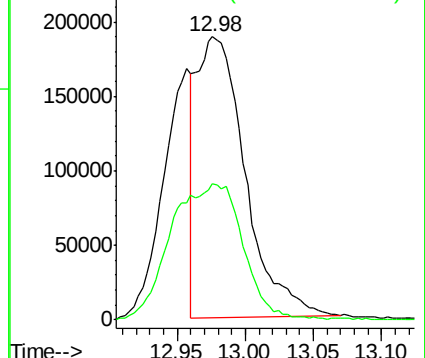
91 100

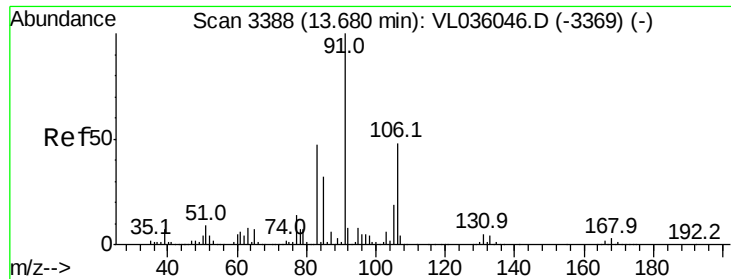
106 72.6 38.7 58.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

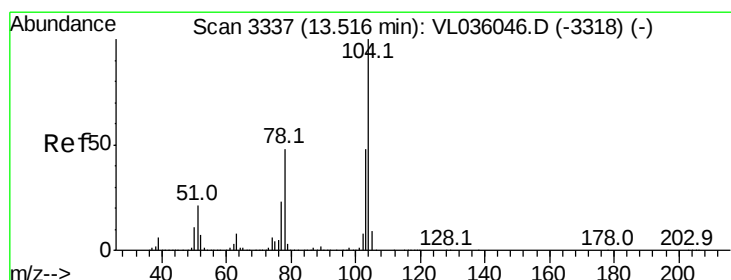
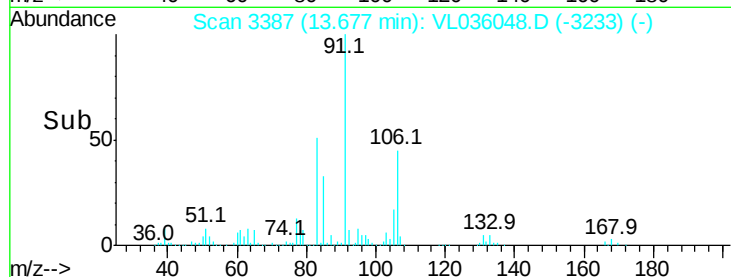
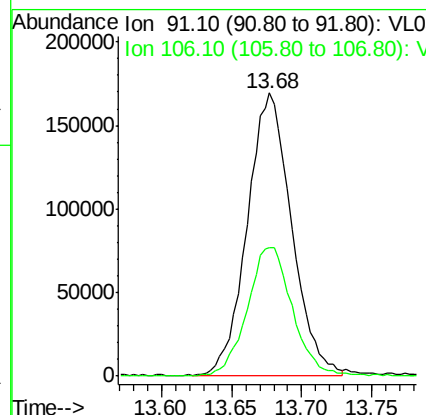
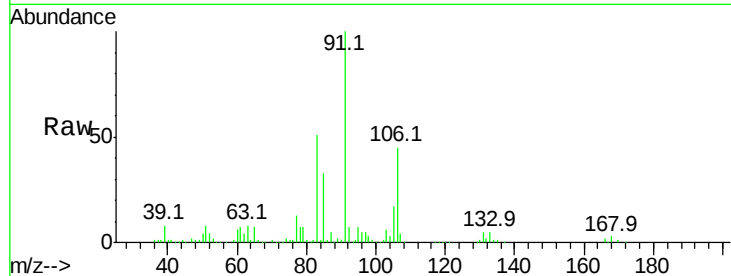




#60
o-Xylene
Concen: 0.890 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

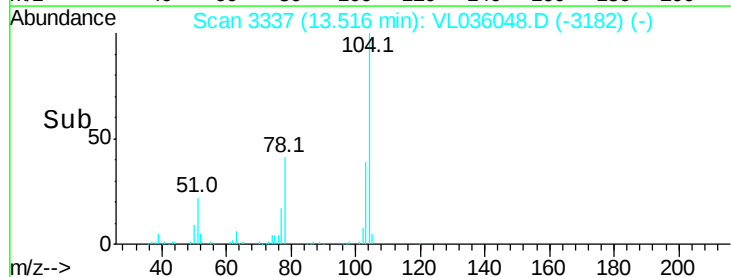
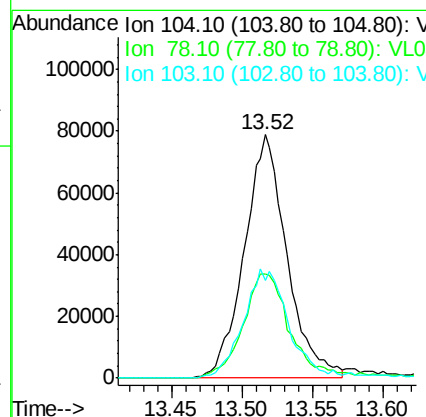
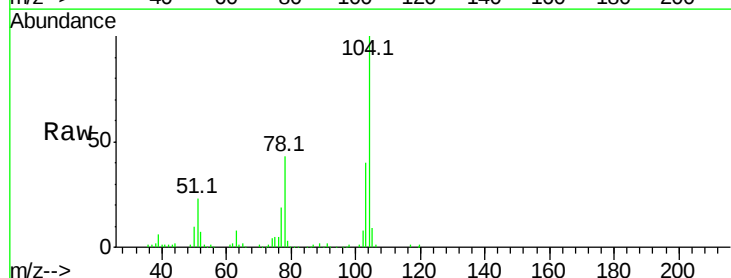
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

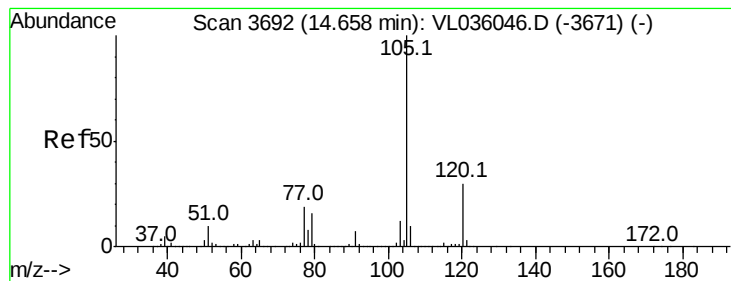
Tgt Ion: 91 Resp: 370028
Ion Ratio Lower Upper
91 100
106 47.1 24.1 72.3



#61
Styrene
Concen: 0.547 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 104 Resp: 166742
Ion Ratio Lower Upper
104 100
78 48.7 38.0 57.0
103 48.7 37.7 56.5





#62

Isopropylbenzene

Concen: 0.853 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

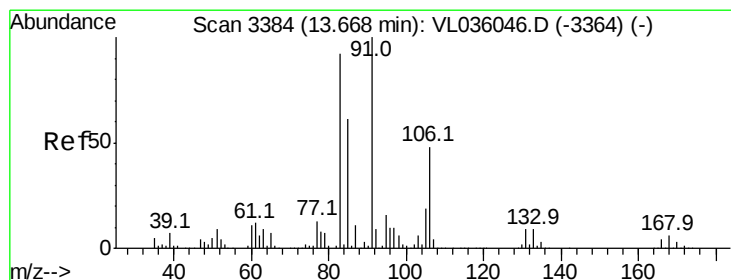
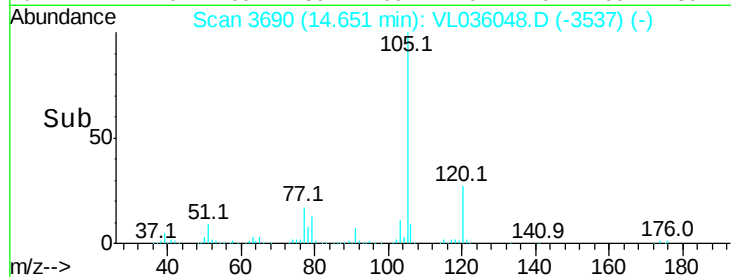
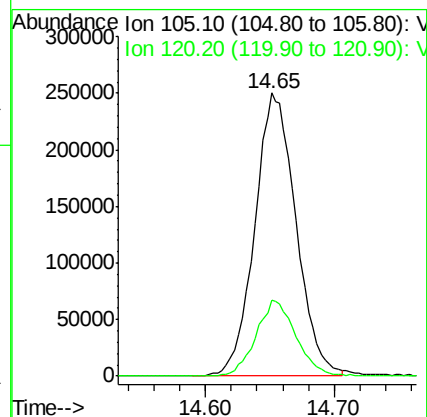
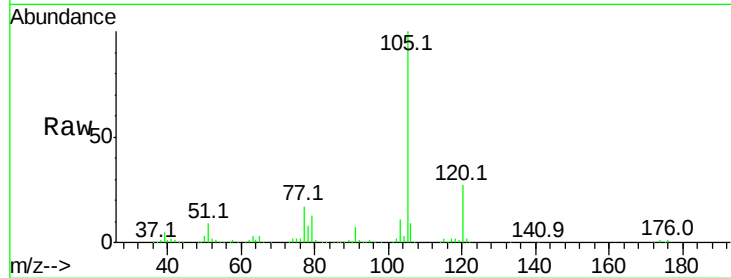
VSTDIC001

Tgt Ion: 105 Resp: 557468

Ion Ratio Lower Upper

105 100

120 26.1 22.6 34.0



#63

1,1,2,2-Tetrachloroethane

Concen: 0.950 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

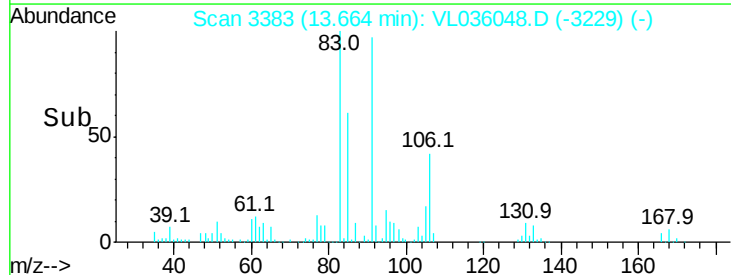
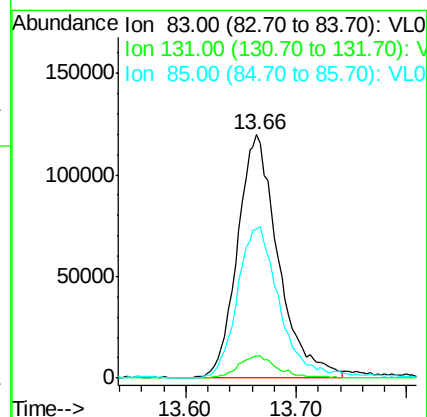
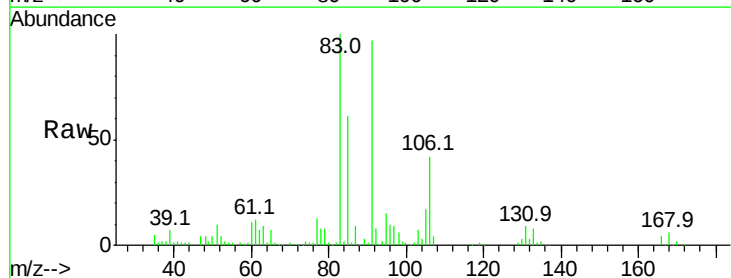
Tgt Ion: 83 Resp: 305951

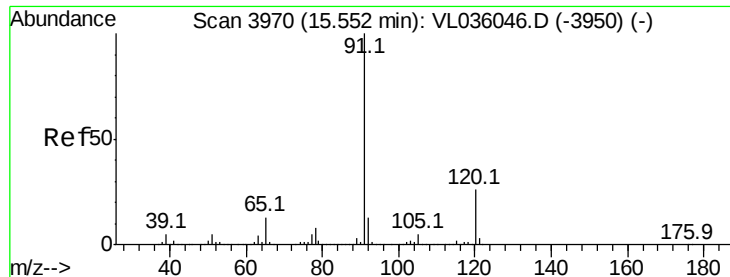
Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.4

85 65.8 33.3 99.9

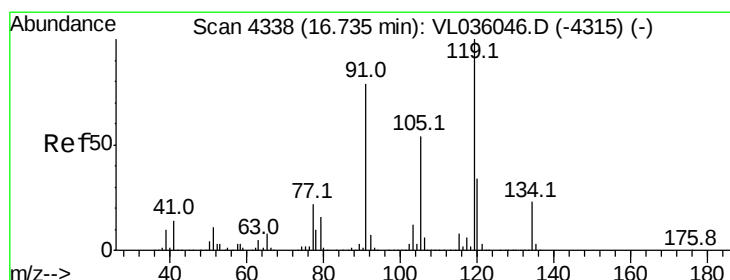
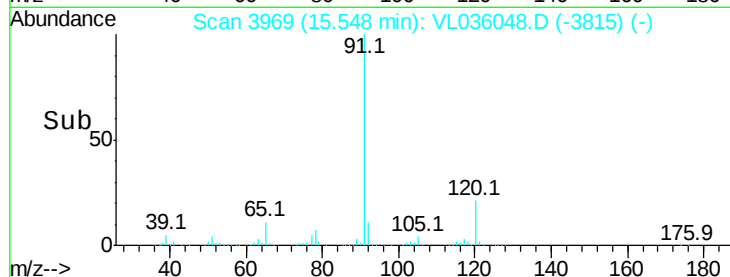
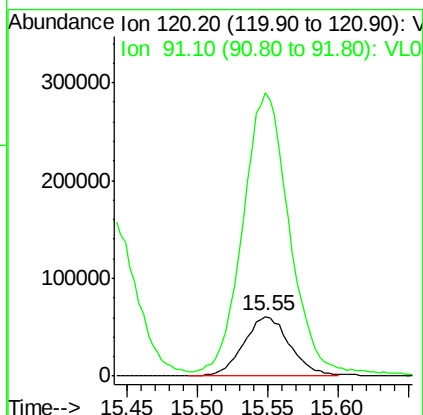
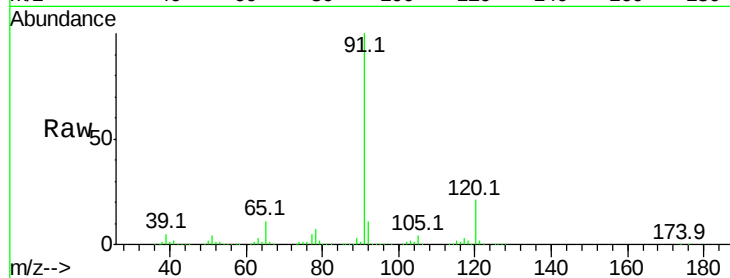




#64
n-propylbenzene
Concen: 0.742 ppbv
RT: 15.55 min Scan# 3969
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

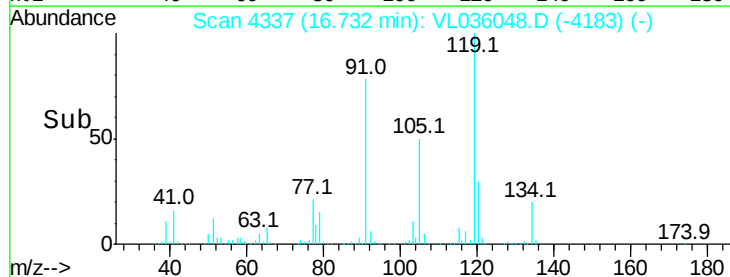
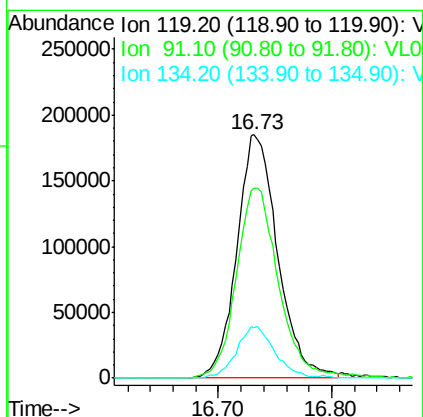
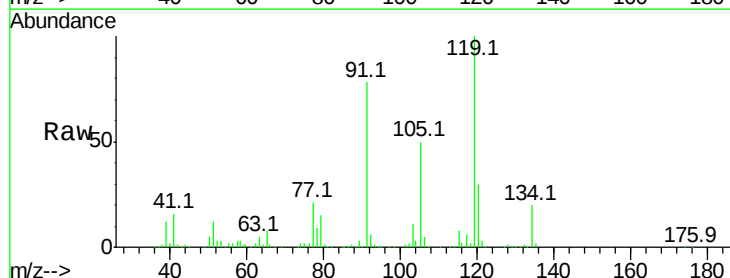
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

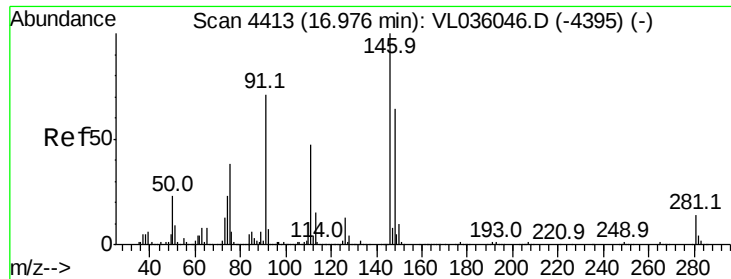
Tgt Ion:120 Resp: 140092
Ion Ratio Lower Upper
120 100
91 486.8 331.4 497.2



#65
tert-Butylbenzene
Concen: 0.779 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion:119 Resp: 463237
Ion Ratio Lower Upper
119 100
91 81.5 63.4 95.2
134 20.4 17.1 25.7

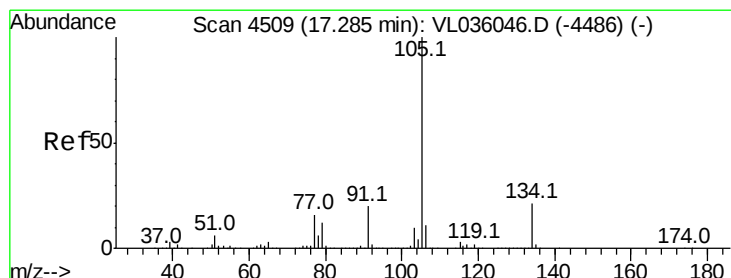
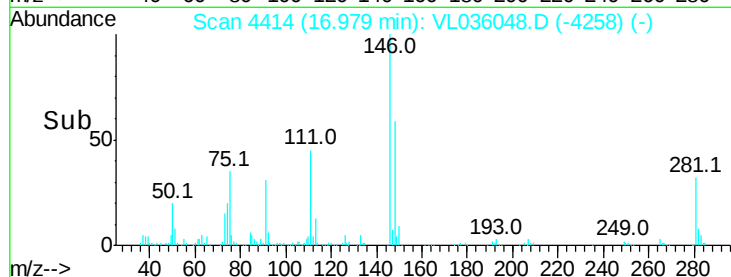
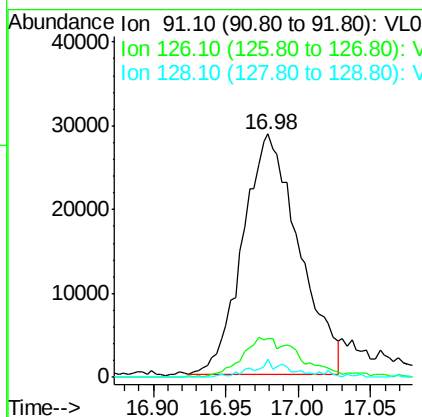
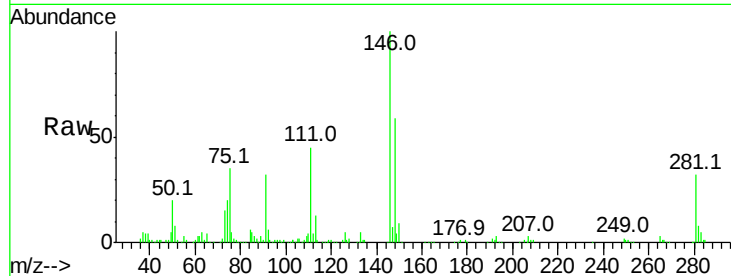




#66
Benzyl Chloride
Concen: 0.393 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

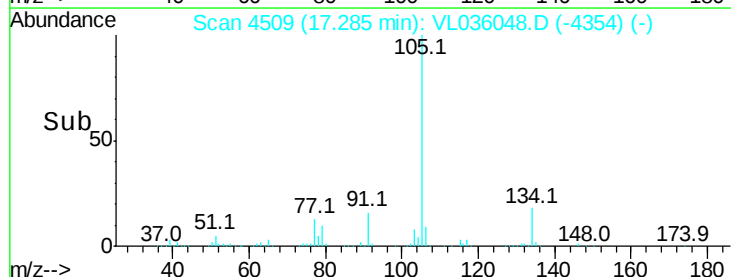
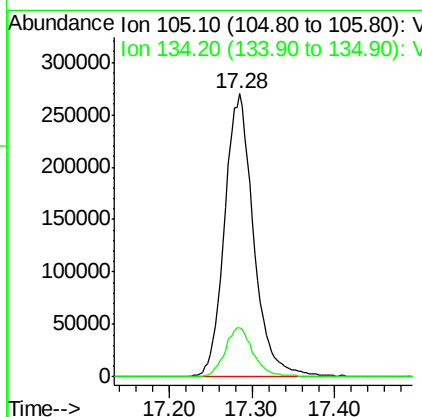
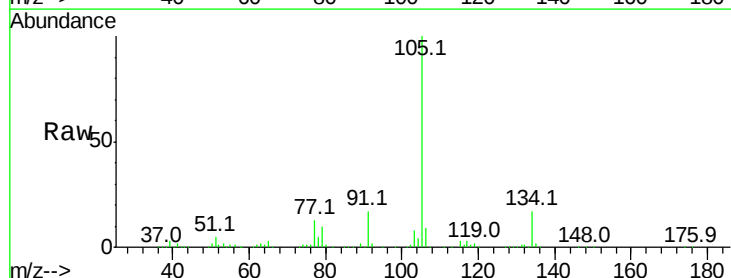
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

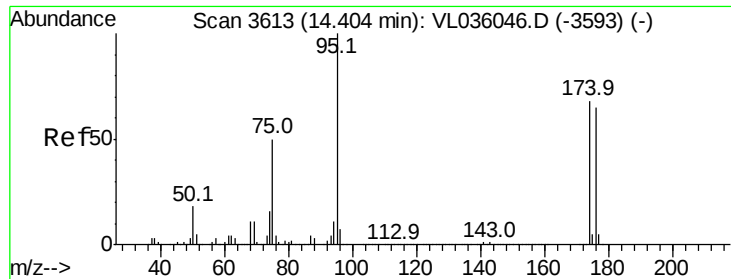
Tgt Ion: 91 Resp: 77196
Ion Ratio Lower Upper
91 100
126 18.0 14.3 21.5
128 5.4 4.7 7.1



#67
sec-Butylbenzene
Concen: 0.815 ppbv
RT: 17.28 min Scan# 4509
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 105 Resp: 653156
Ion Ratio Lower Upper
105 100
134 17.2 15.8 23.8

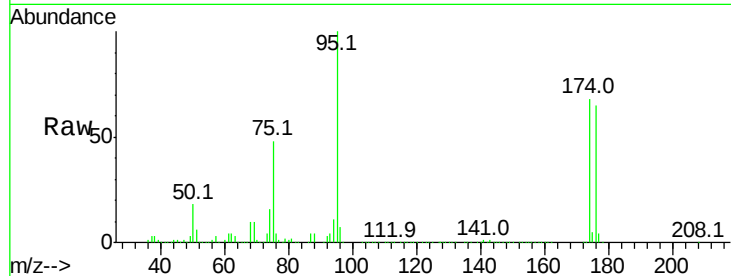




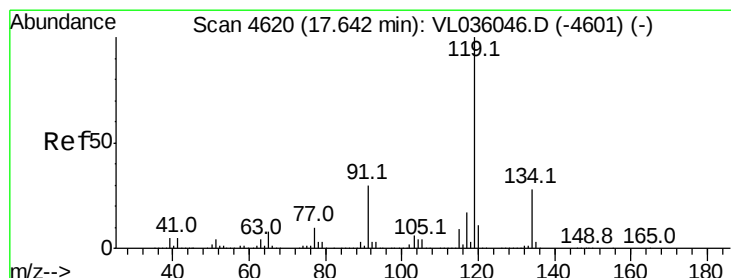
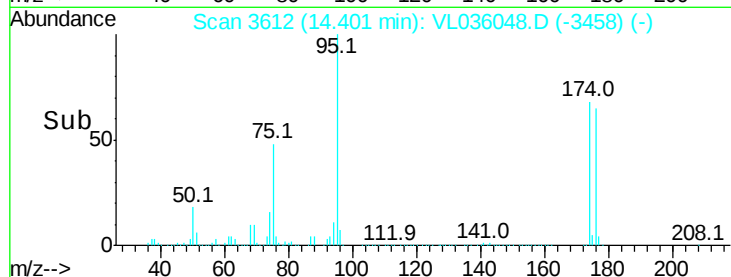
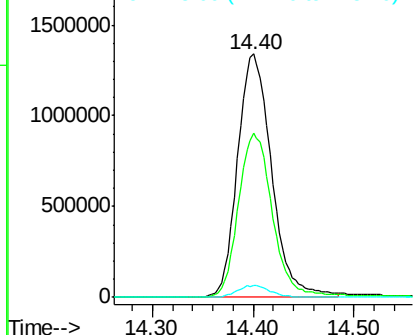
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.678 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 95 Resp: 3146356
 Ion Ratio Lower Upper
 95 100
 174 68.9 54.2 81.2
 175 4.8 3.8 5.8

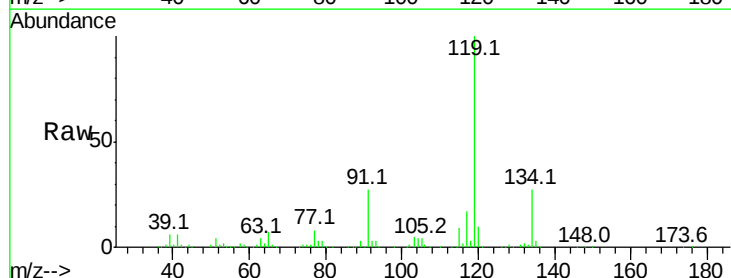


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

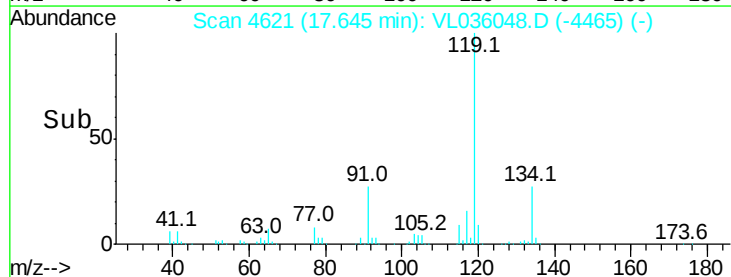
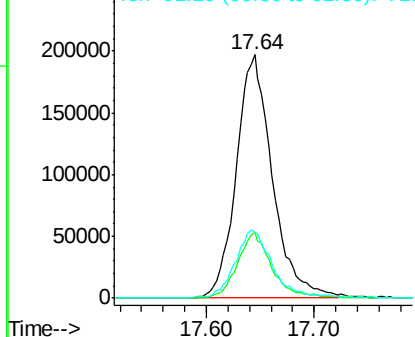


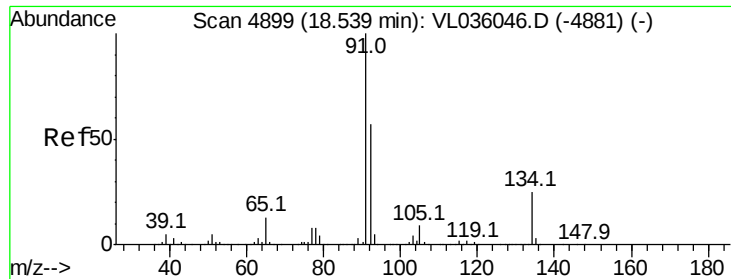
#69
 p-Isopropyltoluene
 Concen: 0.696 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion: 119 Resp: 460193
 Ion Ratio Lower Upper
 119 100
 134 25.7 22.2 33.2
 91 29.1 23.2 34.8



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

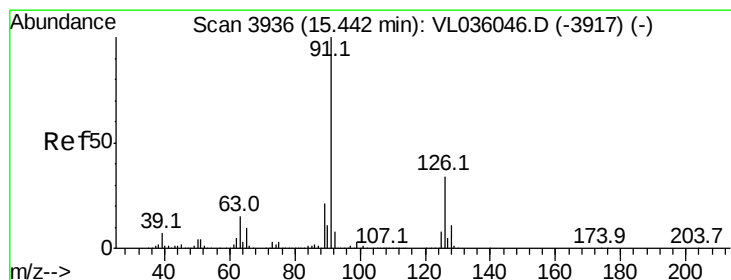
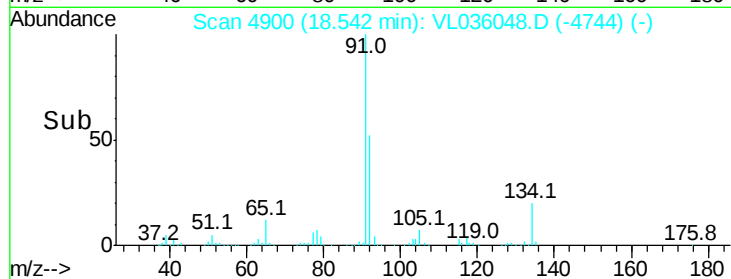
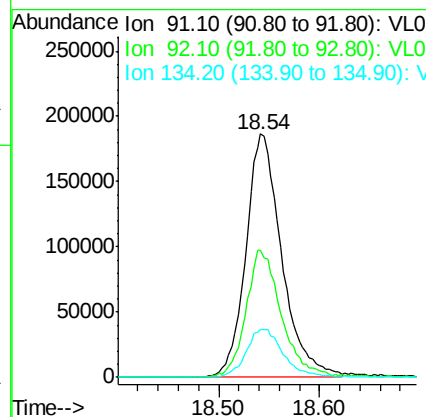
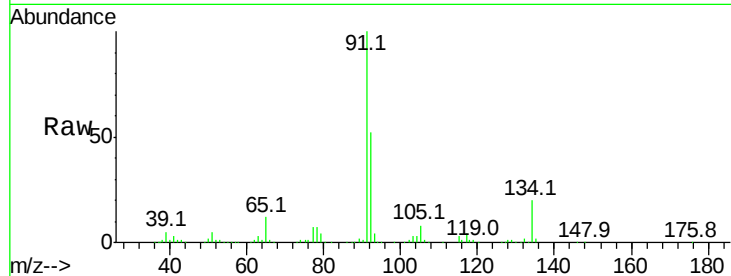




#70
n-Butylbenzene
Concen: 0.720 ppbv
RT: 18.54 min Scan# 4900
Delta R.T. 0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

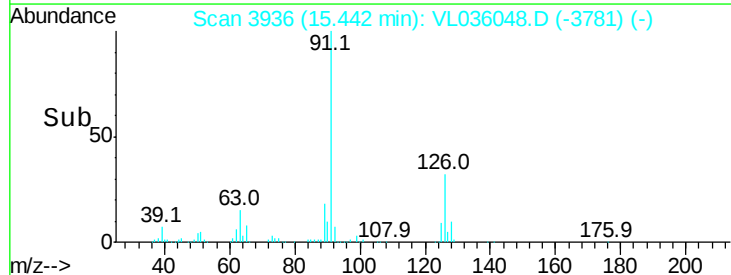
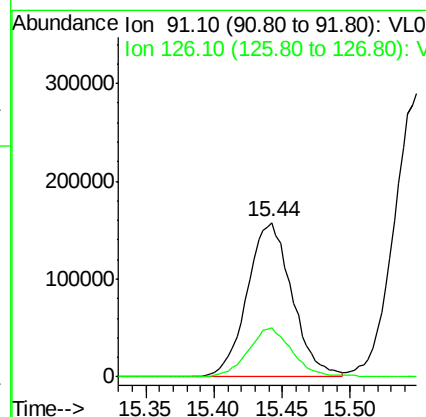
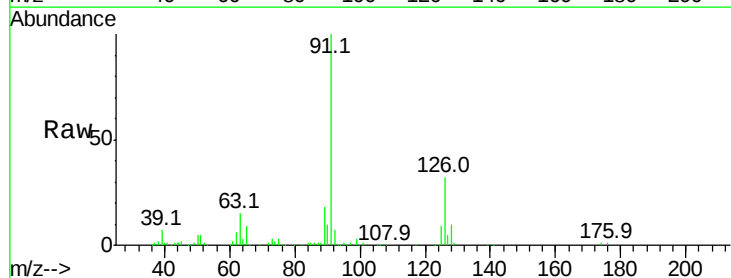
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

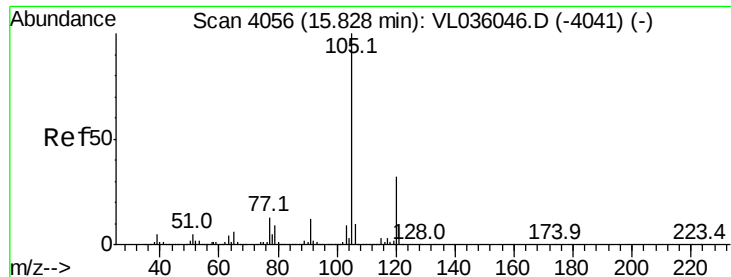
Tgt Ion: 91 Resp: 458285
Ion Ratio Lower Upper
91 100
92 52.1 45.2 67.8
134 20.7 19.2 28.8



#71
2-Chlorotoluene
Concen: 0.752 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 91 Resp: 359480
Ion Ratio Lower Upper
91 100
126 31.5 13.2 53.0





#72

4-Ethyltoluene

Concen: 0.707 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

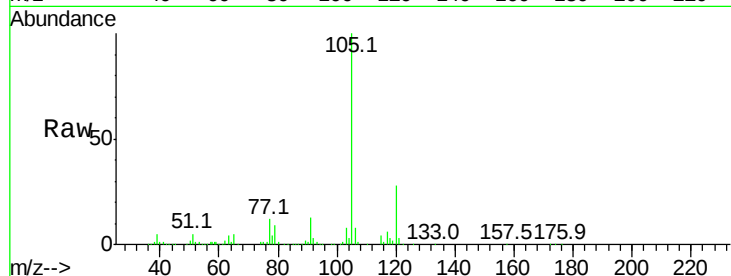
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:	105	Resp:	356565
Ion Ratio	Lower	Upper	
105	100		
120	31.7	25.3	37.9
91	15.0	10.1	15.1
77	13.3	10.5	15.7

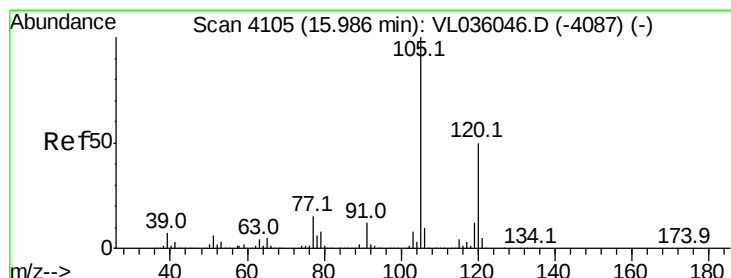
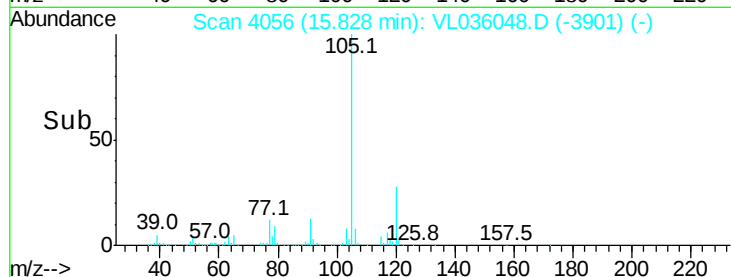
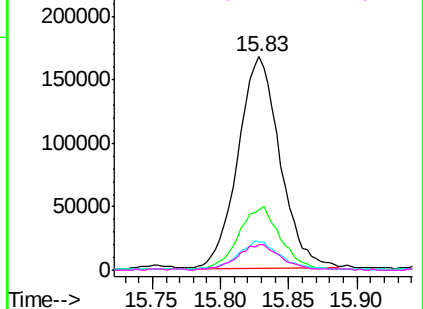


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.717 ppbv

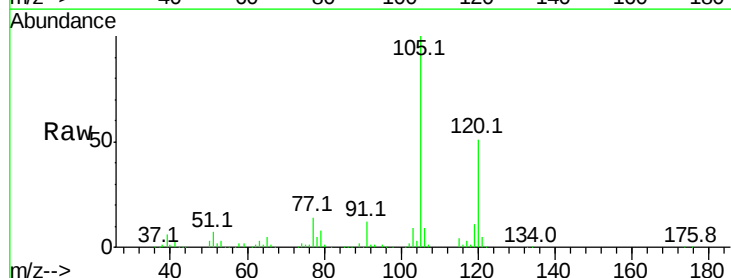
RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL036048.D

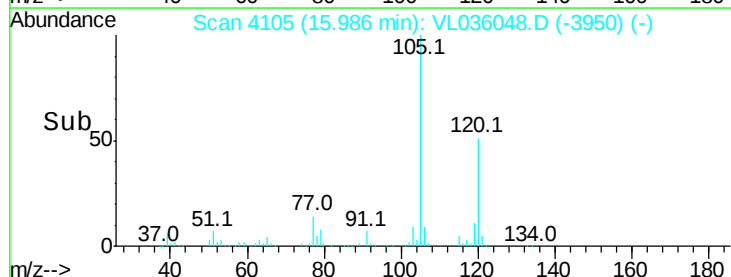
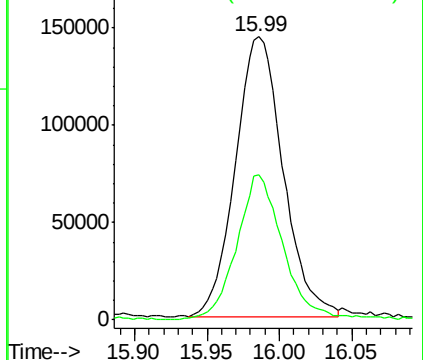
Acq: 3 Dec 2020 11:06

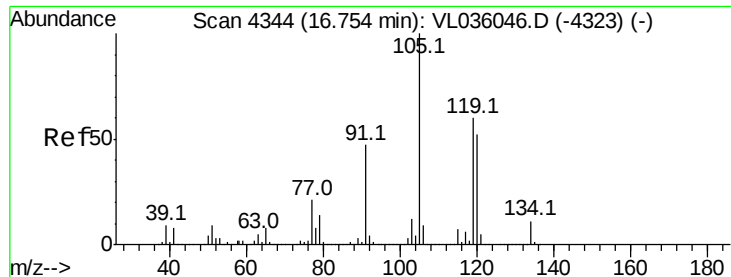
Tgt Ion:	105	Resp:	330893
Ion Ratio	Lower	Upper	
105	100		
120	51.1	39.8	59.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

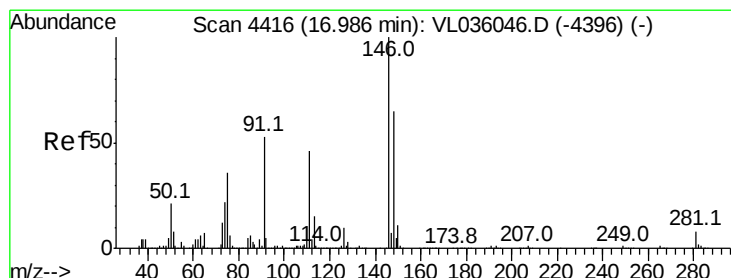
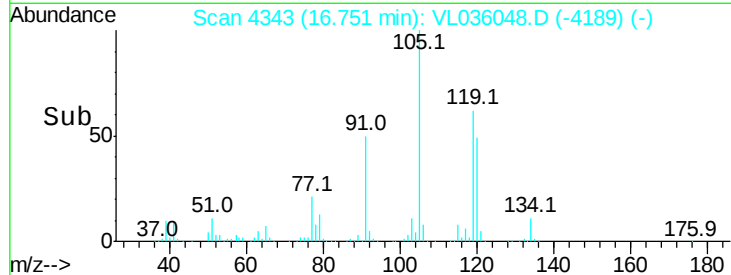
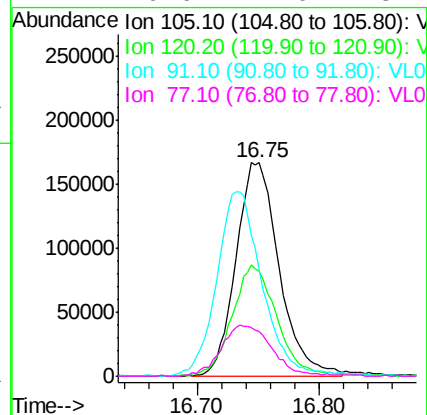
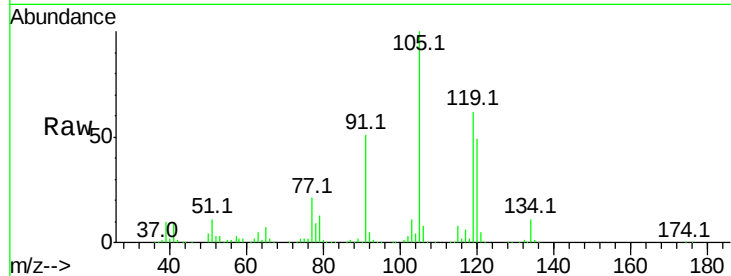




#74
 1,2,4-Trimethylbenzene
 Concen: 0.823 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

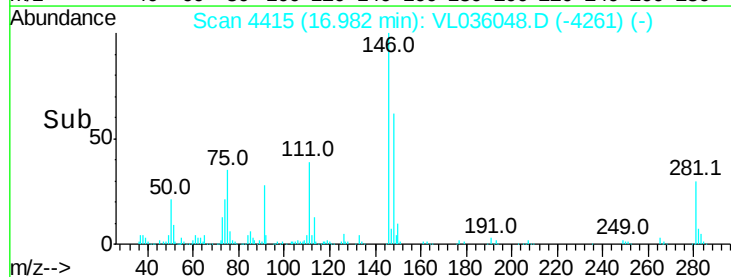
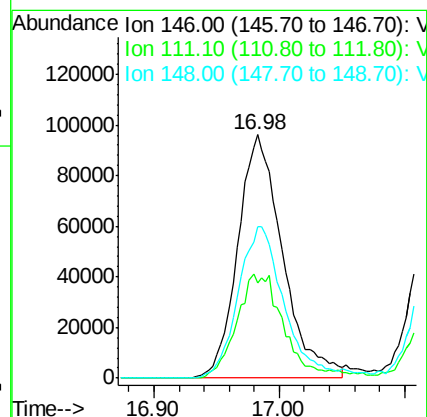
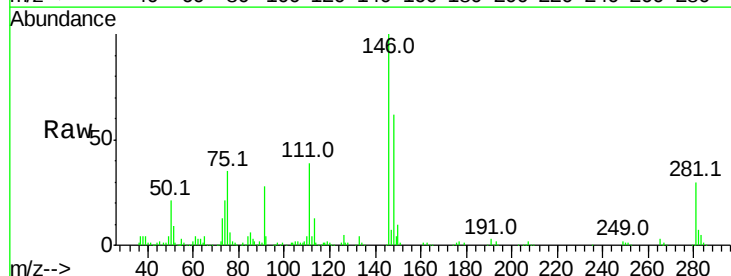
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

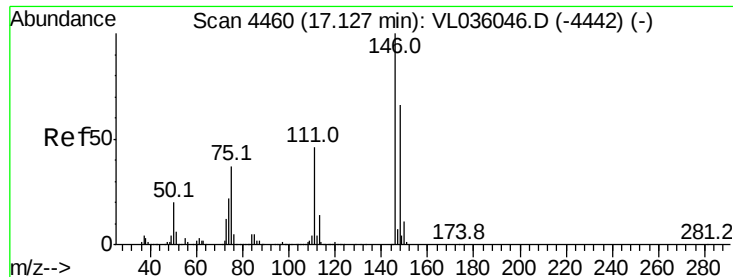
Tgt Ion:	105	Resp:	406658
Ion	Ratio	Lower	Upper
105	100		
120	48.0	41.5	62.3
91	48.9	38.1	57.1
77	20.6	17.0	25.4



#75
 1,3-Dichlorobenzene
 Concen: 0.758 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion:	146	Resp:	238714
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.7
148	64.8	32.4	97.0

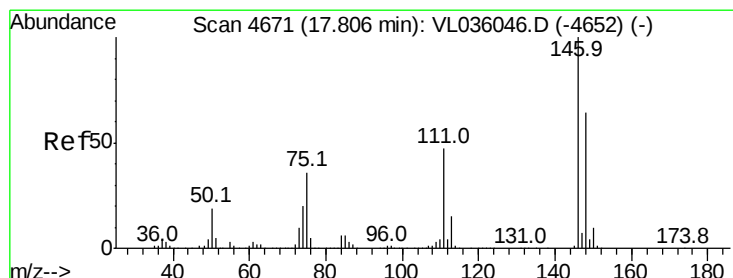
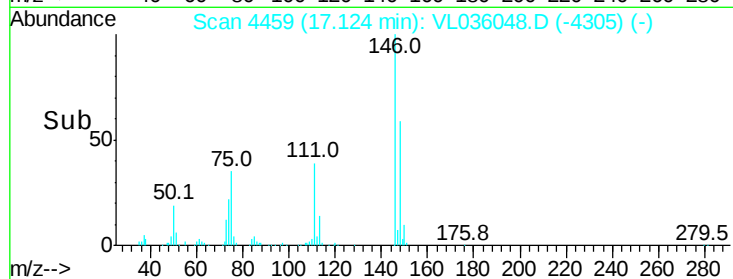
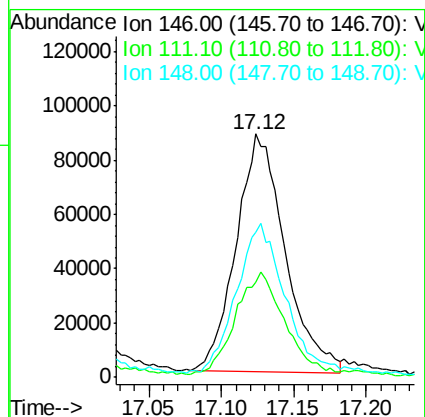
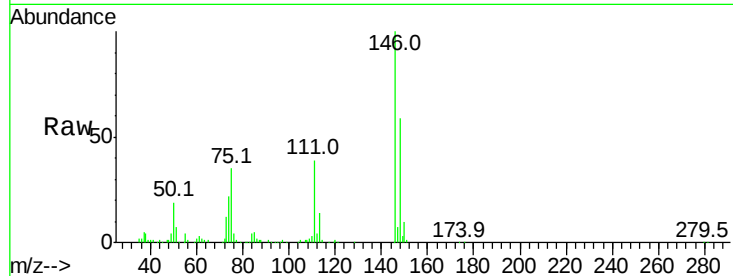




#76
 1,4-Dichlorobenzene
 Concen: 0.679 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

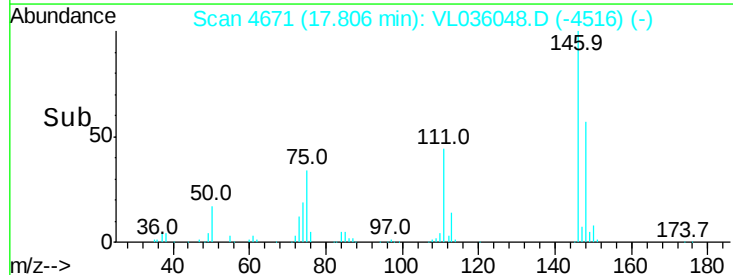
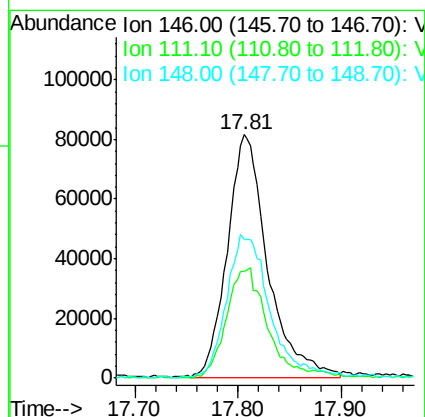
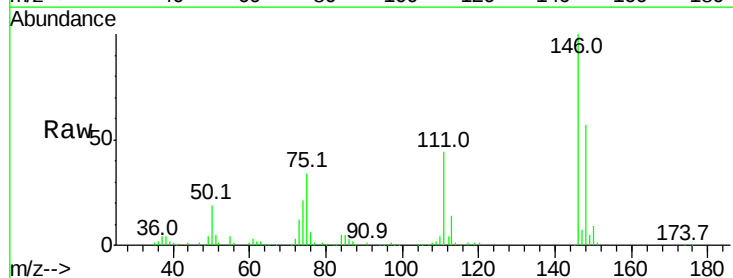
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

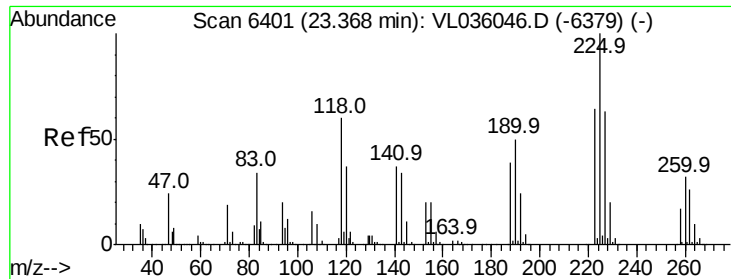
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.4	67.2
148	68.6	33.0	98.9



#77
 1,2-Dichlorobenzene
 Concen: 0.720 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.5	70.6
148	63.3	32.5	97.5

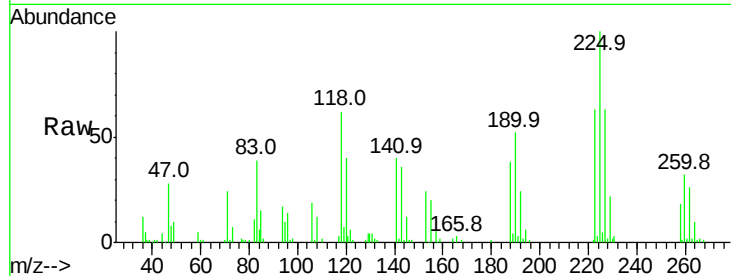




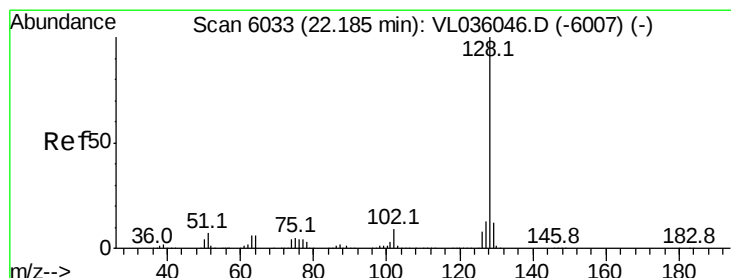
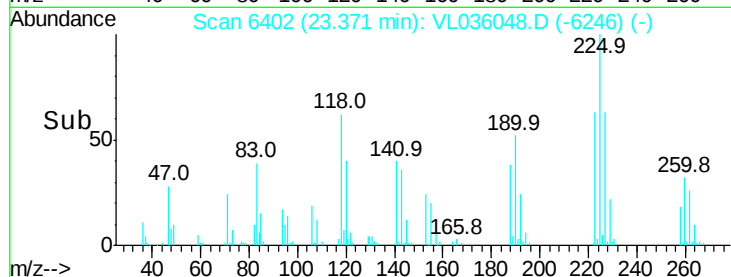
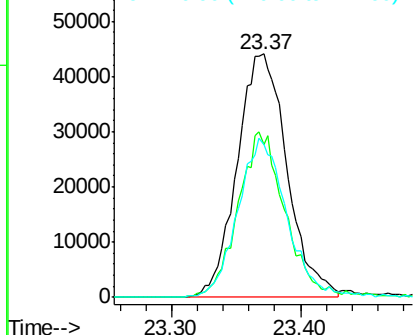
#78
Hexachloro-1,3-Butadiene
Concen: 0.830 ppbv
RT: 23.37 min Scan# 6402
Delta R.T. 0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:225 Resp: 118833
Ion Ratio Lower Upper
225 100
223 64.6 51.0 76.4
227 64.3 51.2 76.8

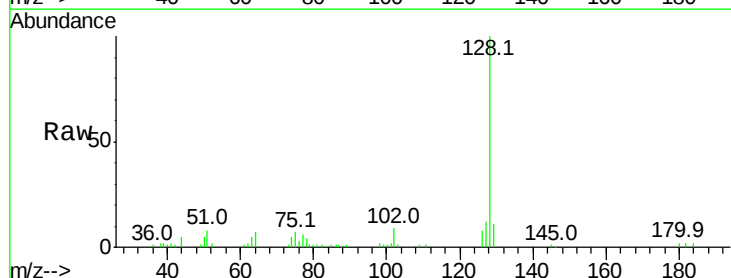


Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V

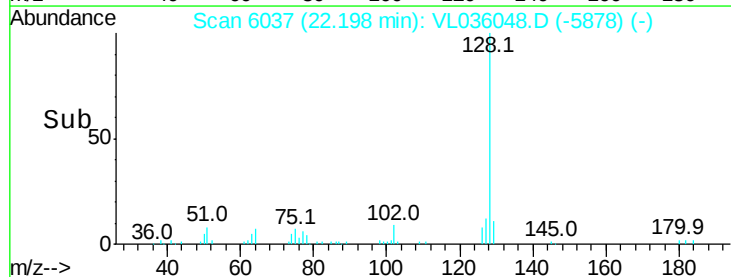
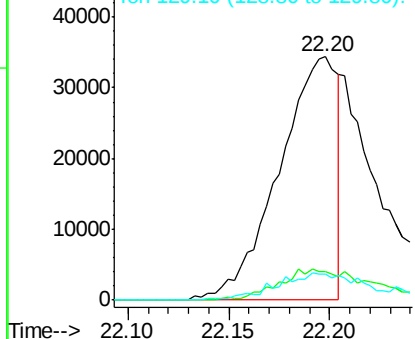


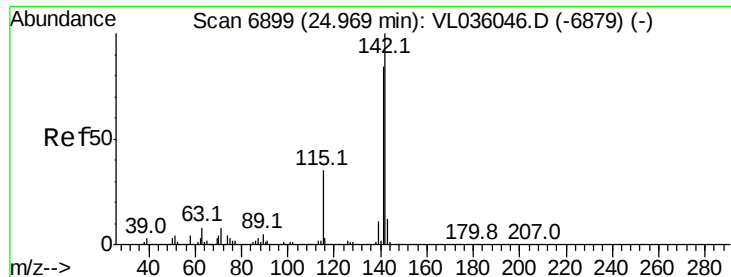
#79
Naphthalene
Concen: 0.200 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. 0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion:128 Resp: 68920
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 10.7 9.3 13.9



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.100 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. 0.03 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

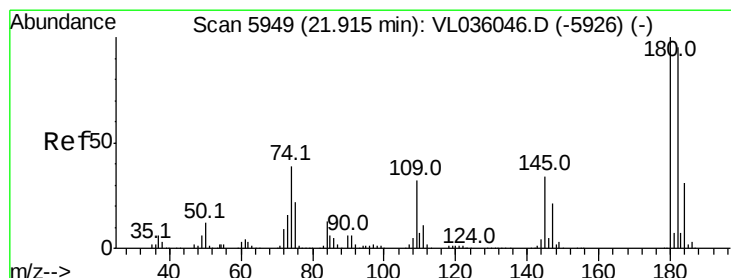
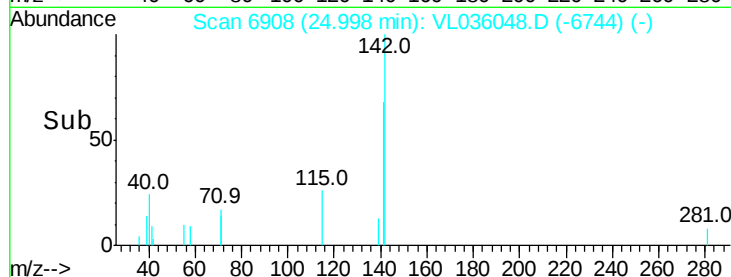
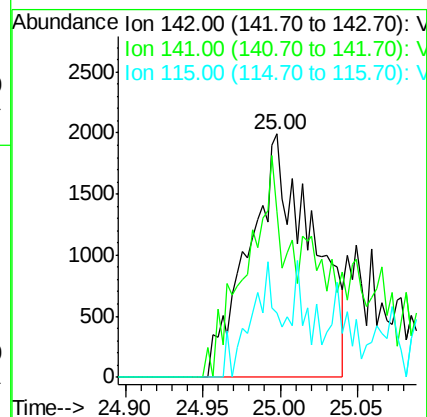
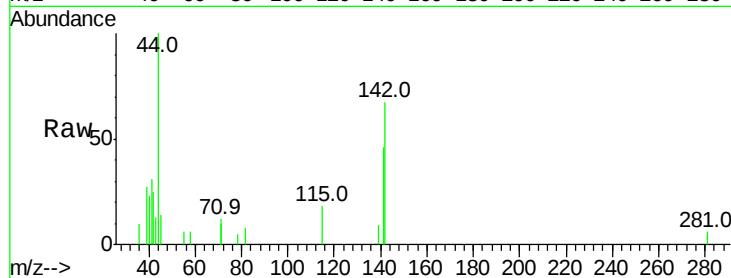
Tgt Ion:142 Resp: 5591

Ion Ratio Lower Upper

142 100

141 58.0 68.6 103.0#

115 0.0 27.9 41.9#



#81

1,2,4-Trichlorobenzene

Concen: 0.242 ppbv

RT: 21.92 min Scan# 5951

Delta R.T. 0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:180 Resp: 46556

Ion Ratio Lower Upper

180 100

182 0.0 78.5 117.7#

184 0.0 25.0 37.6#

