

Data File : VL035321.D
Acq On : 3 Aug 2020 16:08
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Aug 03 16:38:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 15:02:12 2020
QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1526288	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3642030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3633581	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3066762	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.00	85	1938346	10.633	ppbv	100
3) Chlorodifluoromethane	2.94	51	2099019	12.424	ppbv	97
4) Chloromethane	3.09	50	1197209	12.592	ppbv	99
5) Vinyl Chloride	3.21	62	1249587	12.618	ppbv	97
6) Bromomethane	3.43	94	800914	13.093	ppbv	94
7) Chloroethane	3.52	64	473920	13.258	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	2631271	11.376	ppbv	99
9) Propene	2.96	41	800237	13.588	ppbv	100
10) Heptane	8.13	43	2432032	15.256	ppbv	98
11) Trichlorofluoromethane	3.91	101	3091259	12.607	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2227373	12.809	ppbv	97
13) Ethanol	3.56	45	230944	9.635	ppbv	99
14) Bromoethene	3.70	108	990245	13.954	ppbv	99
15) Acetone	3.81	43	2351164	11.549	ppbv	100
16) 1,3-Butadiene	3.28	39	1109078	13.966	ppbv	100
17) tert-Butyl alcohol	4.26	59	2568410	13.072	ppbv	99
18) 1,1-Dichloroethene	4.26	96	1044872	13.533	ppbv	97
19) Isopropyl Alcohol	3.93	45	1758562	13.097	ppbv	99
20) Methylene Chloride	4.31	84	916770	9.893	ppbv	99
21) Allyl Chloride	4.38	41	1662474	14.339	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	1031919	13.909	ppbv	98
23) Vinyl Acetate	5.05	43	2994248	14.637	ppbv	98
24) 1,1-Dichloroethane	4.99	63	2499693	13.102	ppbv	99
25) Ethyl Acetate	5.66	43	4280392	13.464	ppbv	99
26) Hexane	5.67	57	1969154	13.729	ppbv	98
27) Carbon Disulfide	4.52	76	2709491	13.983	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2977313	14.521	ppbv	100
29) Chloroform	5.74	83	3161139	13.141	ppbv	95
30) Cyclohexane	7.13	84	1628275	15.883	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1955763	15.643	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	3145193	12.774	ppbv	99
34) 2-Butanone	5.22	43	2597294	14.016	ppbv	100
35) Carbon Tetrachloride	7.02	117	3330471	13.657	ppbv	99
36) Benzene	6.89	78	3774223	14.911	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2467592	13.946	ppbv	100
38) Trichloroethene	7.84	130	1617111	15.415	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1491223	14.766	ppbv	98
40) 1,4-Dioxane	7.83	88	631133	15.871	ppbv	83
41) Tetrahydrofuran	6.04	42	1416582	15.597	ppbv	97
42) Bromodichloromethane	7.80	83	3414739	14.459	ppbv	96
43) Methyl Methacrylate	8.02	69	1808371	16.490	ppbv	100

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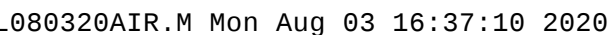
Instrument :
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ClientSampleId :
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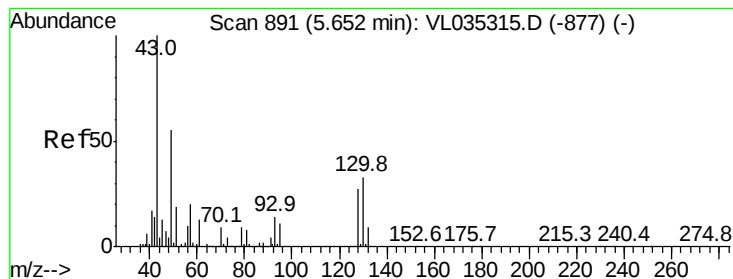
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6462948	14.492	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	2082760	18.849	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	2416291	17.949	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1692273	14.186	ppbv	98
48) Dibromochloromethane	10.33	129	2965682	15.785	ppbv	99
49) Bromoform	13.08	173	2731692	16.173	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	4109778	15.304	ppbv	99
51) 2-Hexanone	10.15	43	3376432	16.579	ppbv #	99
52) Tetrachloroethene	11.25	164	1477680	15.301	ppbv	94
53) Toluene	9.83	91	4557165	16.941	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2640616	15.309	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2227507	13.333	ppbv	96
57) Chlorobenzene	12.18	112	3662337	13.395	ppbv	98
58) Ethyl Benzene	12.74	91	6176925	16.051	ppbv	97
59) m/p-Xylene	13.03	91	5536897	15.455	ppbv #	35
60) o-Xylene	13.73	91	5290917	14.801	ppbv	100
61) Styrene	13.56	104	3792764	17.481	ppbv	98
62) Isopropylbenzene	14.70	105	7600410	14.286	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	3869530	12.581	ppbv	98
64) n-propylbenzene	15.60	120	2186325	15.456	ppbv	89
65) tert-Butylbenzene	16.79	119	6932749	14.384	ppbv	100
66) Benzyl Chloride	17.03	91	3130465	16.583	ppbv	100
67) sec-Butylbenzene	17.34	105	9454810	13.426	ppbv	97
69) p-Isopropyltoluene	17.70	119	8134411	14.159	ppbv	98
70) n-Butylbenzene	18.59	91	8650270	13.918	ppbv	98
71) 2-Chlorotoluene	15.49	91	6021130	15.009	ppbv	98
72) 4-Ethyltoluene	15.88	105	6266241	15.575	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	5941660	15.143	ppbv	95
74) 1,2,4-Trimethylbenzene	16.81	105	6199827	13.574	ppbv	93
75) 1,3-Dichlorobenzene	17.04	146	3728547	12.643	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3752770	14.068	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3618961	13.700	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2831001	13.093	ppbv	99
79) Naphthalene	22.26	128	5872846	16.169	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	2330634	19.827	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	3305957	14.953	ppbv	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

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VSTDIC015

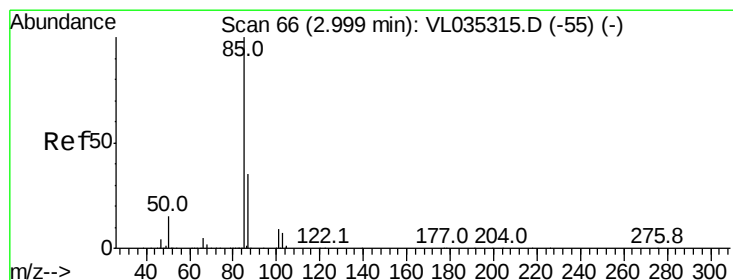
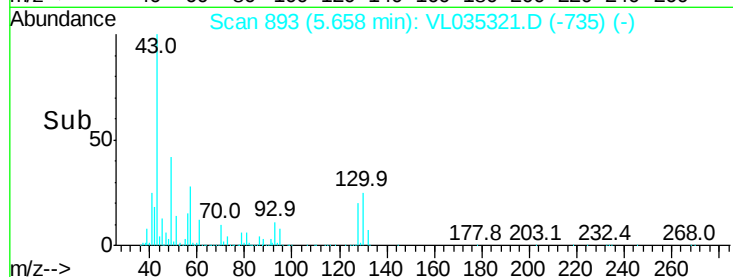
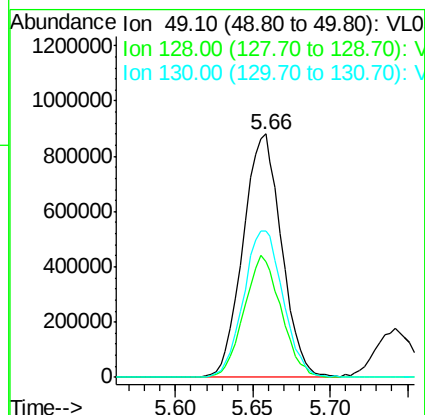
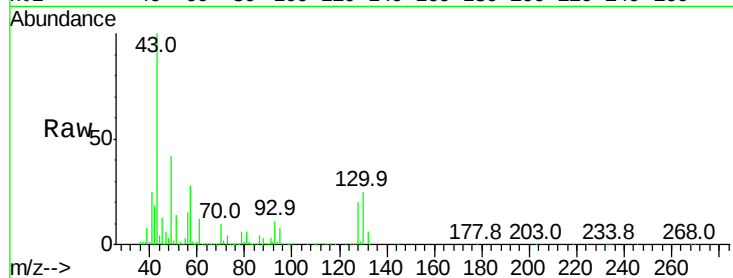
Tgt Ion: 49 Resp: 1526288

Ion Ratio Lower Upper

49 100

128 48.2 23.8 71.5

130 62.1 31.4 94.3



#2

Dichlorodifluoromethane

Concen: 10.633 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035321.D

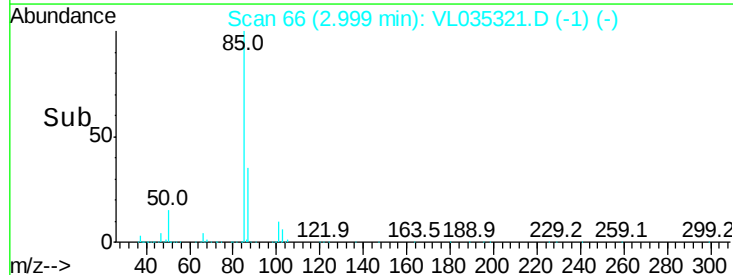
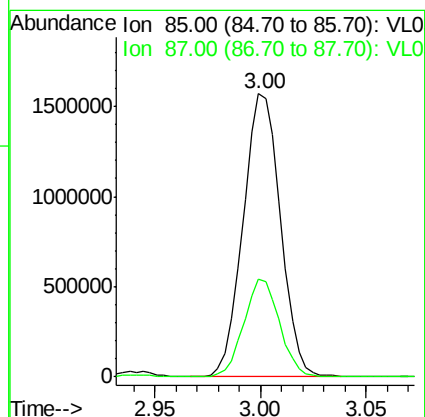
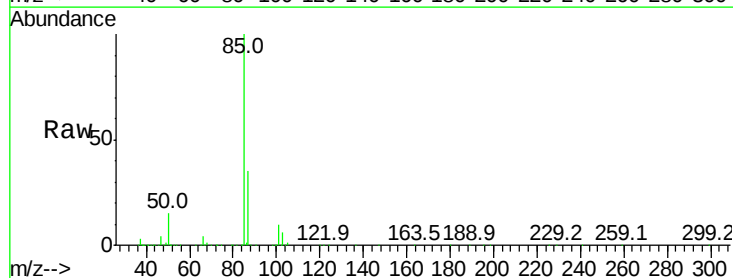
Acq: 3 Aug 2020 16:08

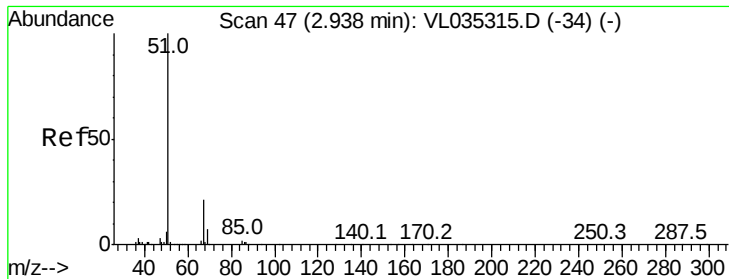
Tgt Ion: 85 Resp: 1938346

Ion Ratio Lower Upper

85 100

87 34.6 27.8 41.6





#3

Chlorodifluoromethane

Concen: 12.424 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

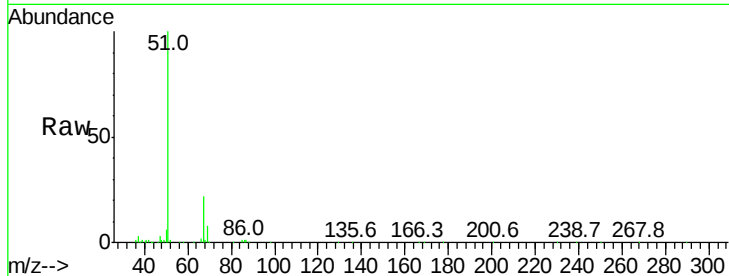
VSTDIC015

Tgt Ion: 51 Resp: 2099019

Ion Ratio Lower Upper

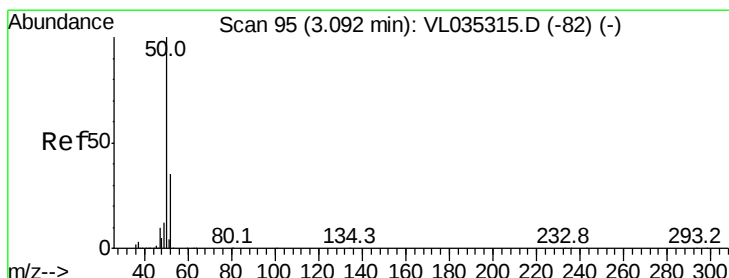
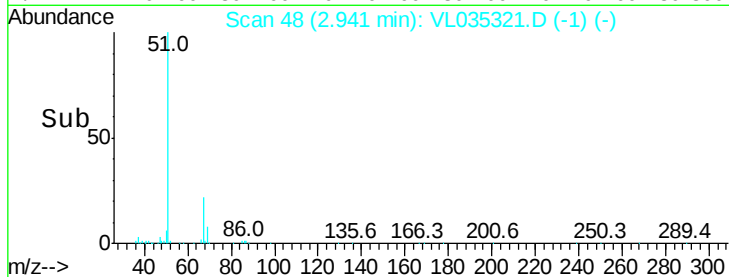
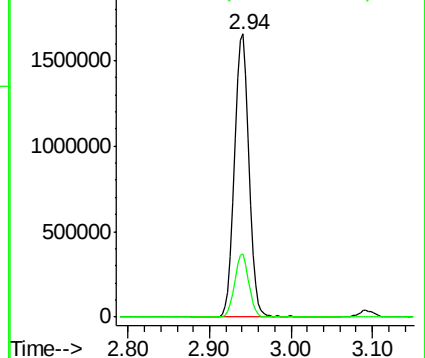
51 100

67 21.6 16.2 24.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 12.592 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035321.D

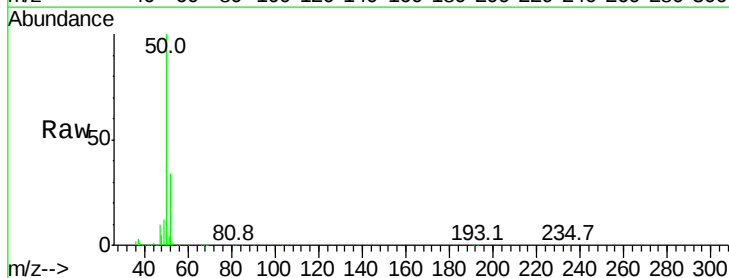
Acq: 3 Aug 2020 16:08

Tgt Ion: 50 Resp: 1197209

Ion Ratio Lower Upper

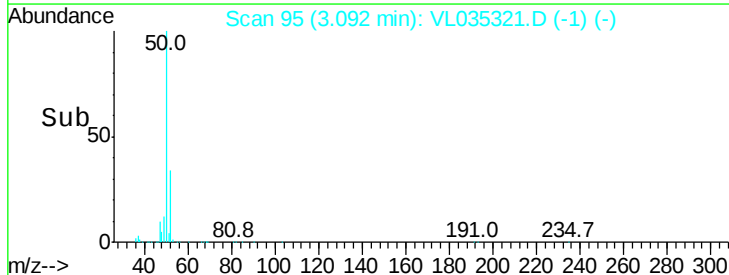
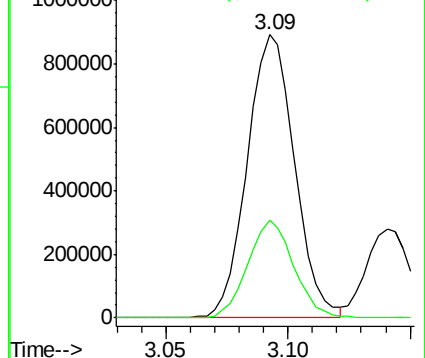
50 100

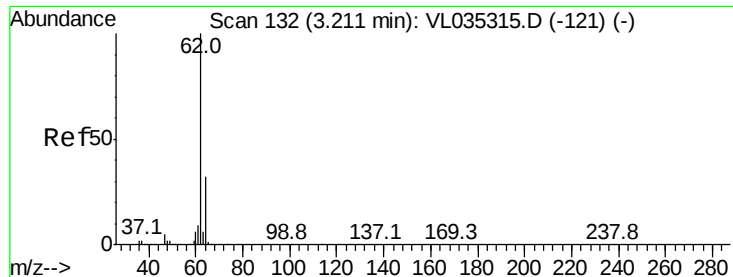
52 34.3 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.618 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

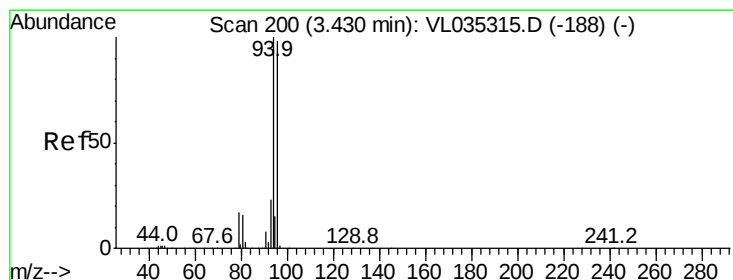
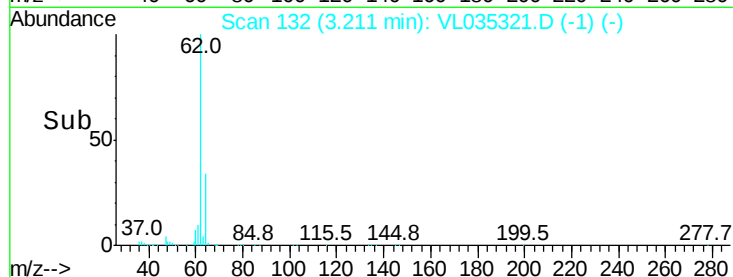
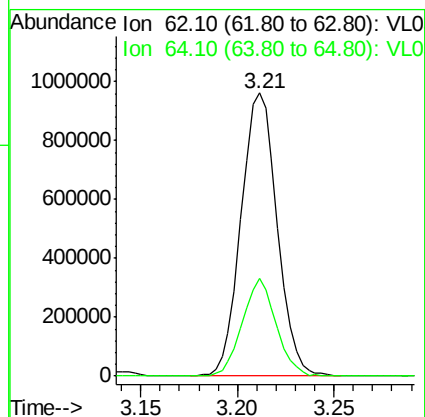
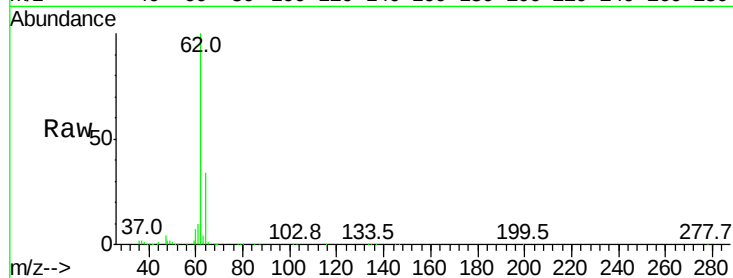
VSTDIC015

Tgt Ion: 62 Resp: 1249587

Ion Ratio Lower Upper

62 100

64 34.4 25.9 38.9



#6

Bromomethane

Concen: 13.093 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035321.D

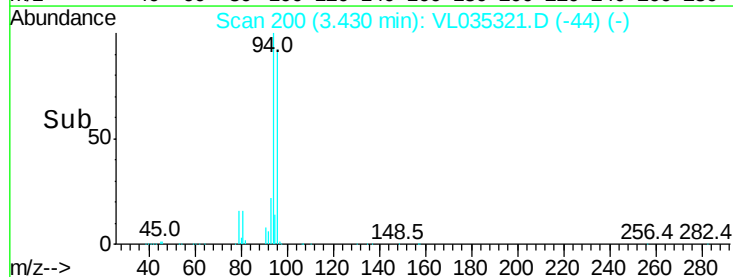
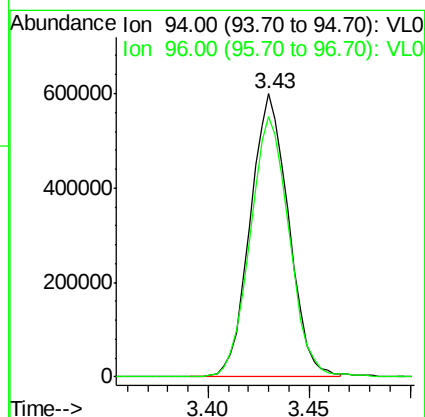
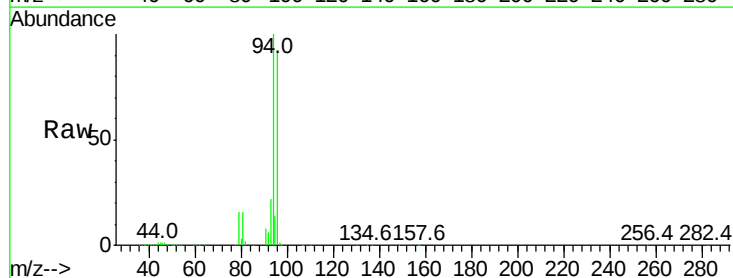
Acq: 3 Aug 2020 16:08

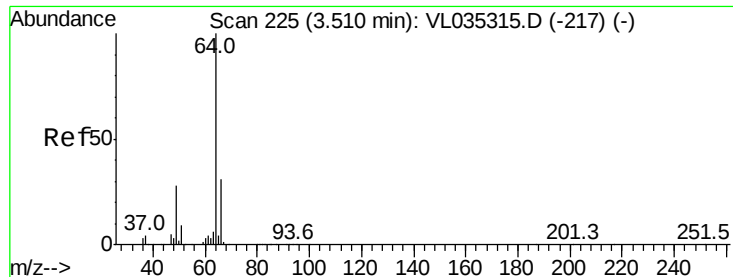
Tgt Ion: 94 Resp: 800914

Ion Ratio Lower Upper

94 100

96 91.9 78.6 117.8





#7

Chloroethane

Concen: 13.258 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

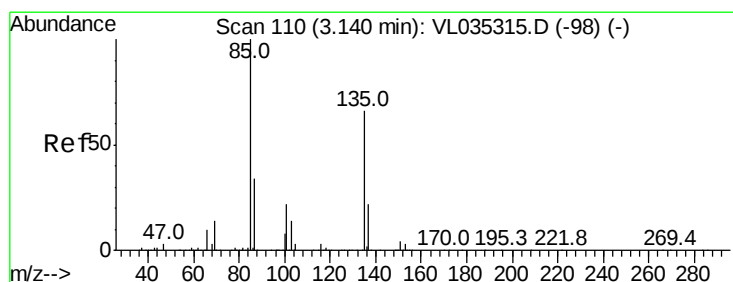
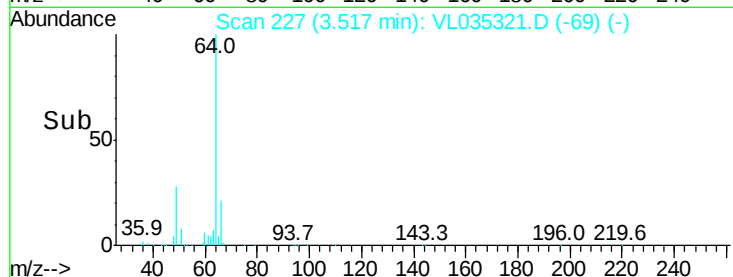
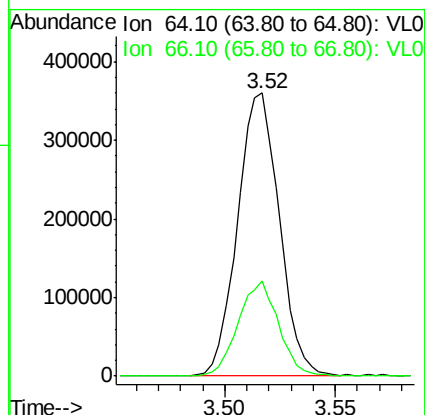
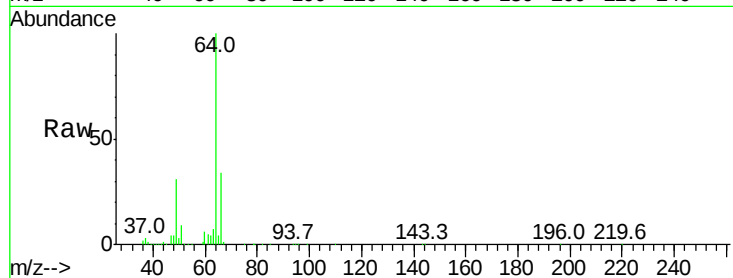
VSTDIC015

Tgt Ion: 64 Resp: 473920

Ion Ratio Lower Upper

64 100

66 33.6 24.9 37.3



#8

Dichlorotetrafluoroethane

Concen: 11.376 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035321.D

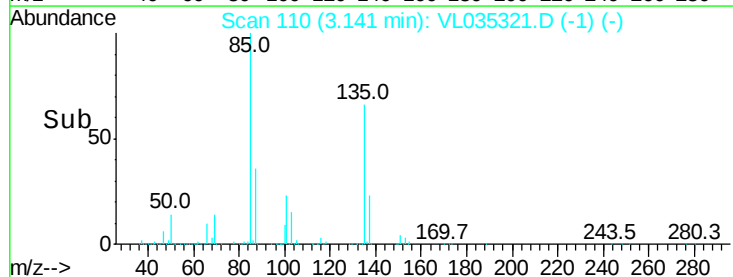
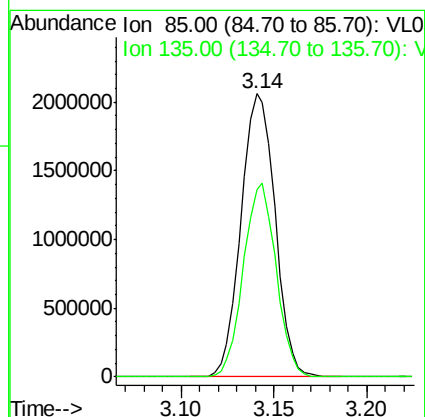
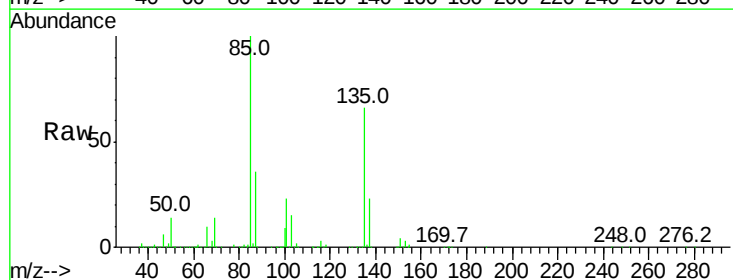
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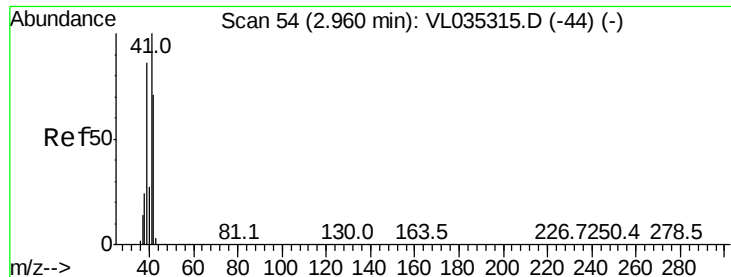
Tgt Ion: 85 Resp: 2631271

Ion Ratio Lower Upper

85 100

135 65.9 53.4 80.0





#9

Propene

Concen: 13.588 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

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ClientSampleId :

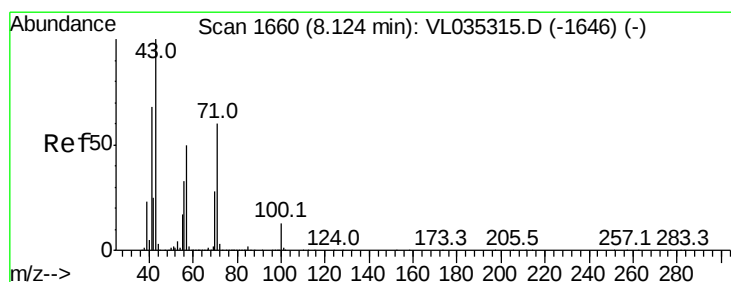
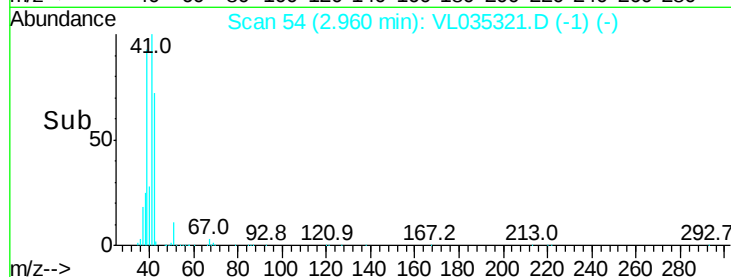
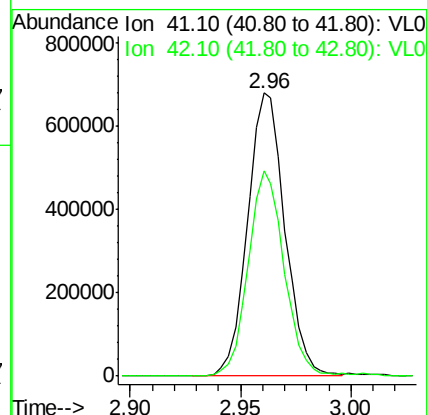
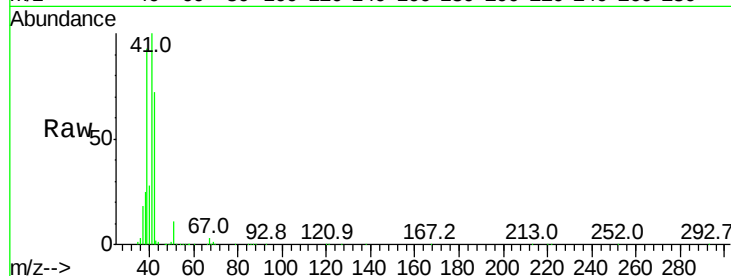
VSTDIC015

Tgt Ion: 41 Resp: 800237

Ion Ratio Lower Upper

41 100

42 70.6 56.8 85.2



#10

Heptane

Concen: 15.256 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL035321.D

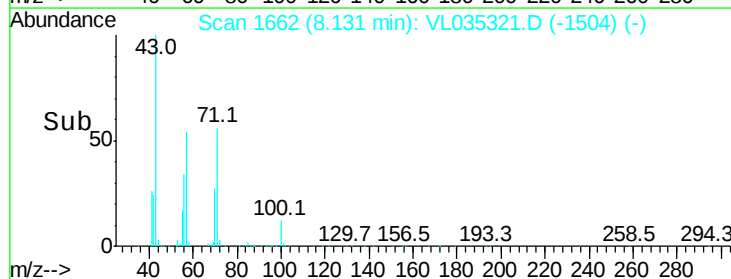
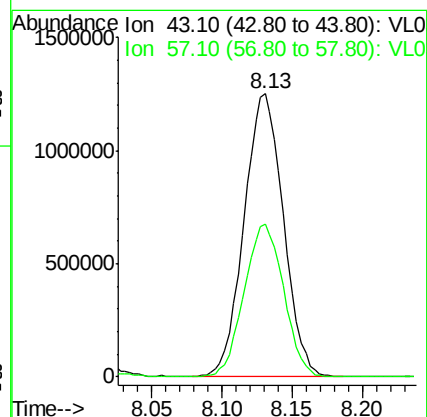
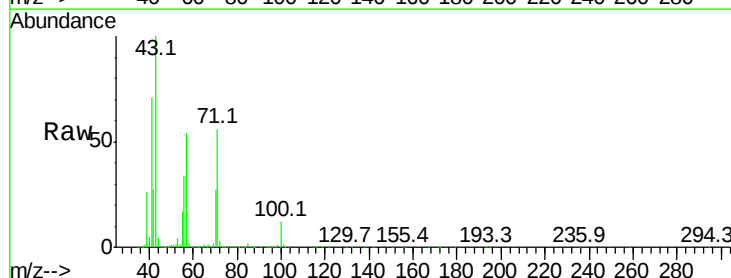
Acq: 3 Aug 2020 16:08

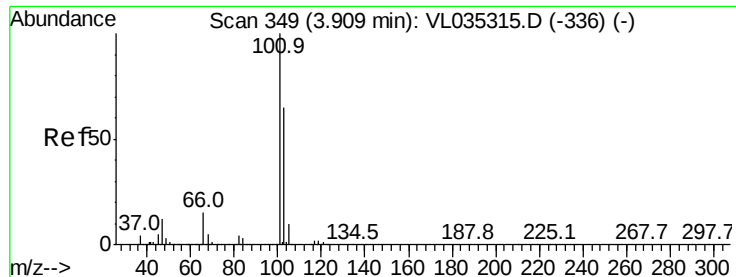
Tgt Ion: 43 Resp: 2432032

Ion Ratio Lower Upper

43 100

57 54.2 42.4 63.6

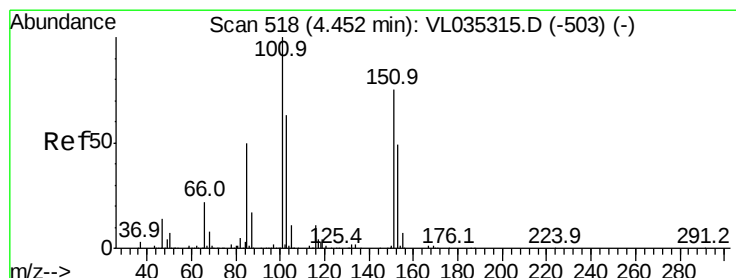
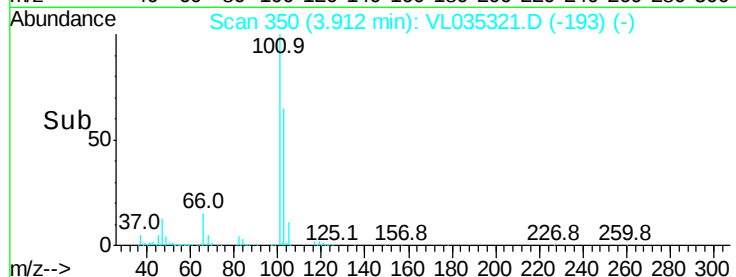
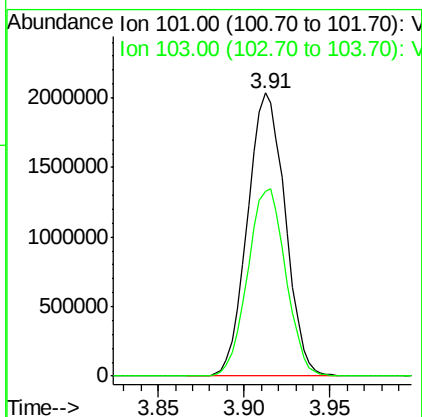
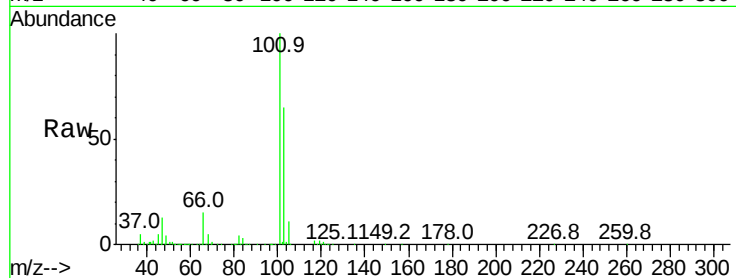




#11
 Trichlorofluoromethane
 Concen: 12.607 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

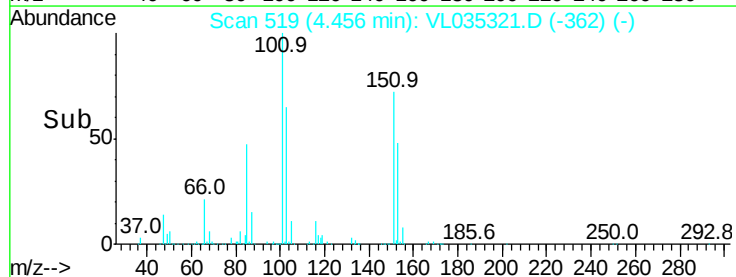
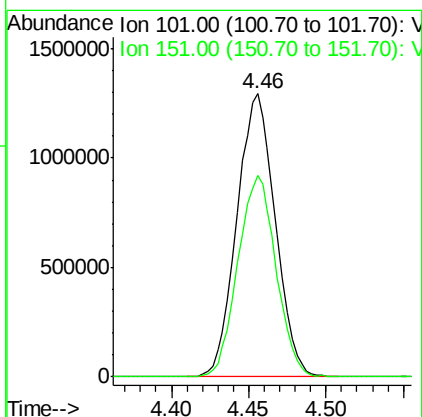
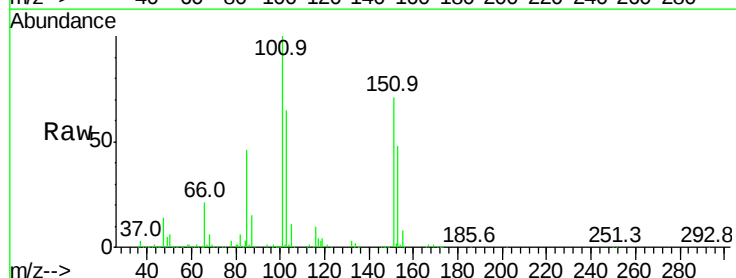
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

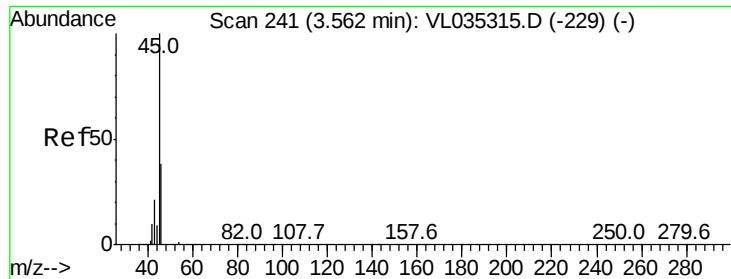
Tgt Ion:101 Resp: 3091259
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.809 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion:101 Resp: 2227373
 Ion Ratio Lower Upper
 101 100
 151 71.0 58.9 88.3





#13

Ethanol

Concen: 9.635 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

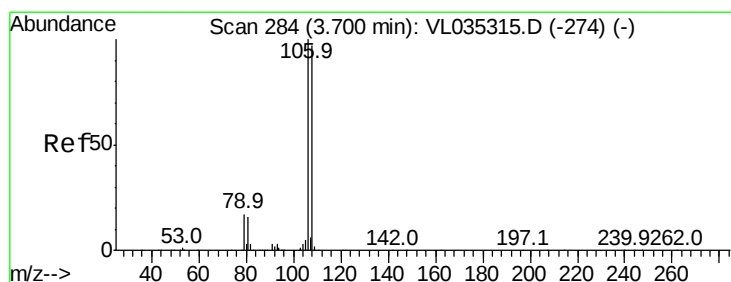
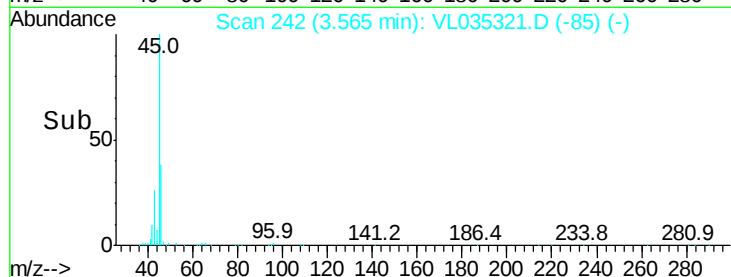
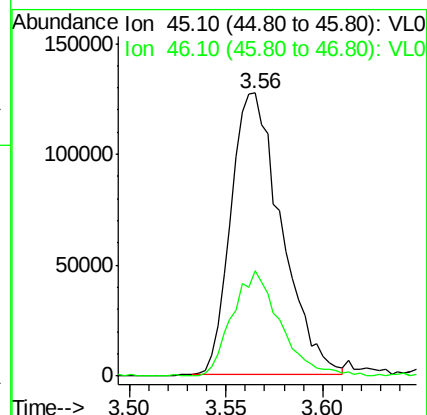
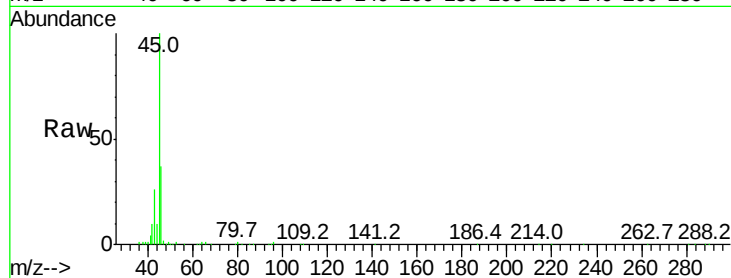
VSTDIC015

Tgt Ion: 45 Resp: 230944

Ion Ratio Lower Upper

45 100

46 35.7 14.5 57.9



#14

Bromoethene

Concen: 13.954 ppbv

RT: 3.70 min Scan# 284

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

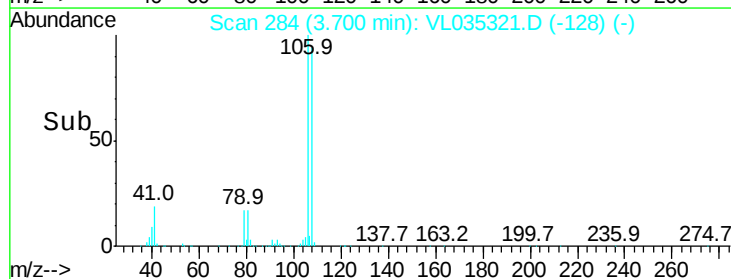
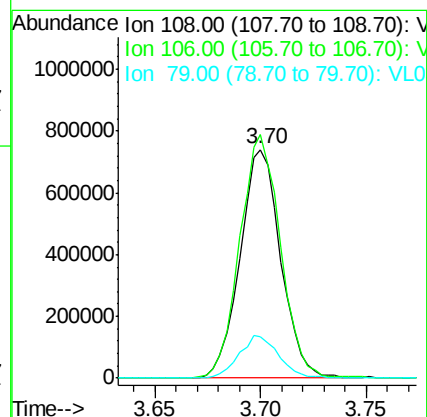
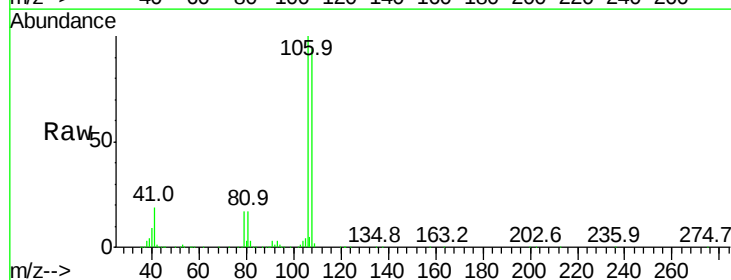
Tgt Ion: 108 Resp: 990245

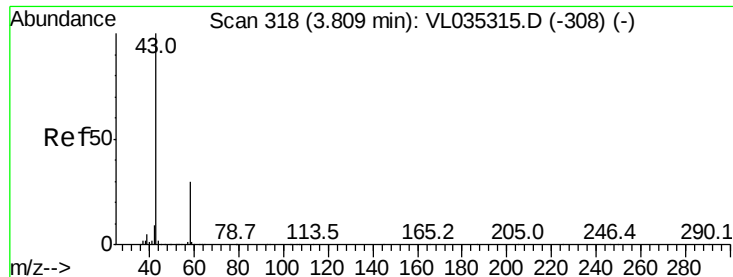
Ion Ratio Lower Upper

108 100

106 107.2 86.2 129.2

79 18.6 14.0 21.0





#15

Acetone

Concen: 11.549 ppbv

RT: 3.81 min Scan# 318

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

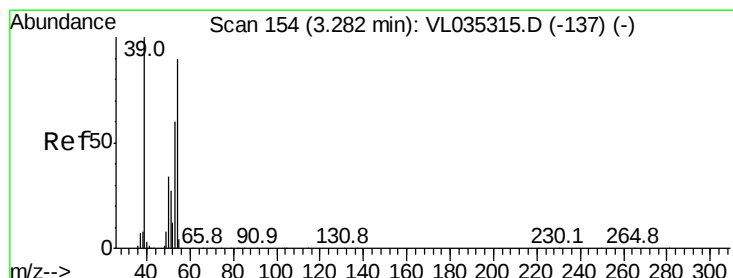
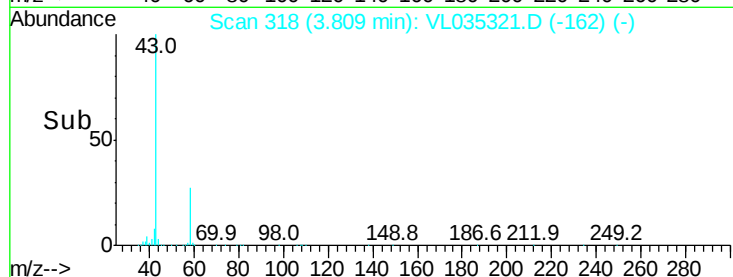
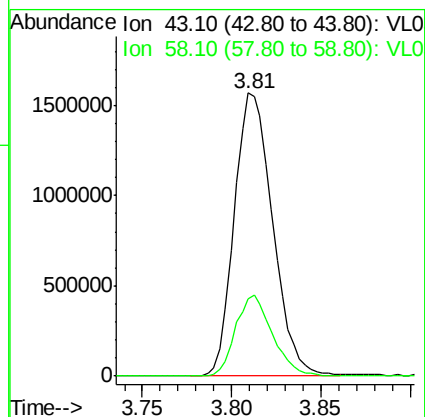
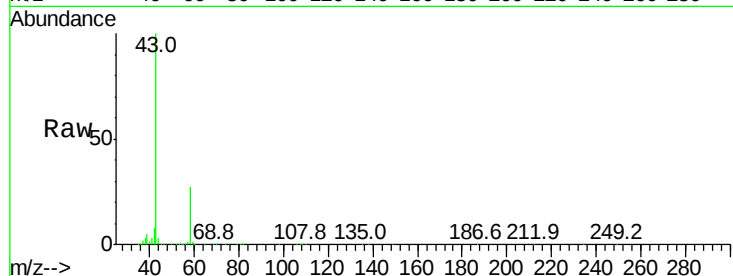
VSTDIC015

Tgt Ion: 43 Resp: 2351164

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1



#16

1,3-Butadiene

Concen: 13.966 ppbv

RT: 3.28 min Scan# 154

Delta R.T. 0.00 min

Lab File: VL035321.D

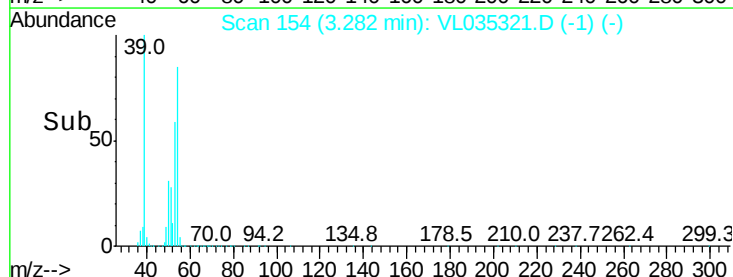
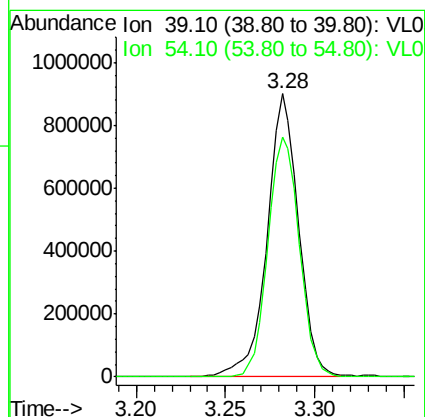
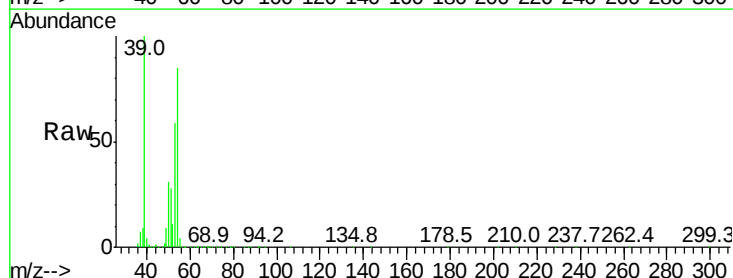
Acq: 3 Aug 2020 16:08

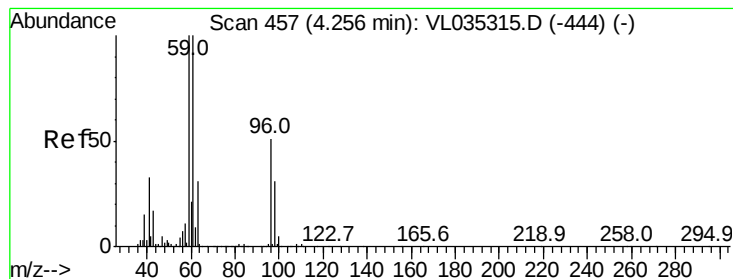
Tgt Ion: 39 Resp: 1109078

Ion Ratio Lower Upper

39 100

54 85.2 68.0 102.0





#17

tert-Butyl alcohol

Concen: 13.072 ppbv

RT: 4.26 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

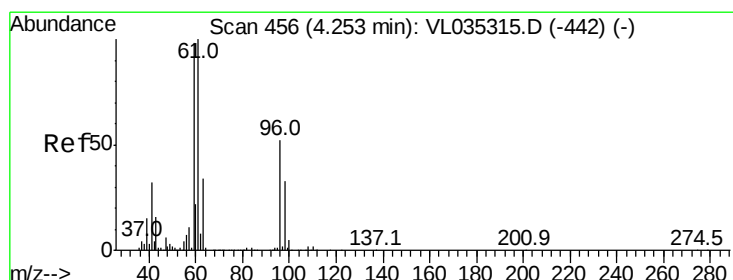
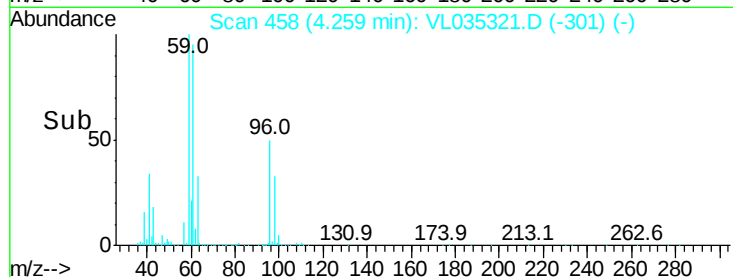
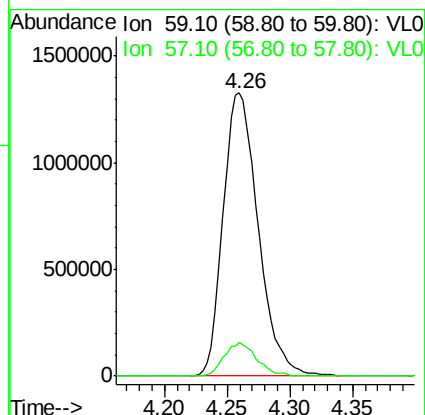
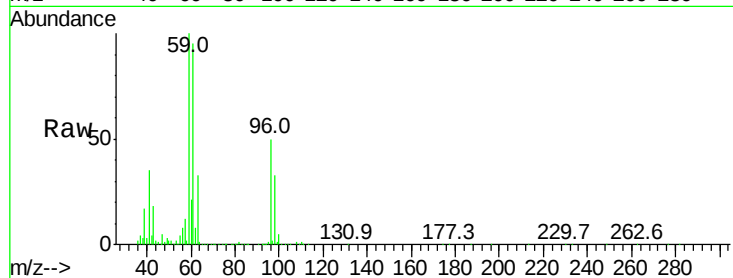
VSTDIC015

Tgt Ion: 59 Resp: 2568410

Ion Ratio Lower Upper

59 100

57 11.3 8.6 13.0



#18

1,1-Dichloroethene

Concen: 13.533 ppbv

RT: 4.26 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

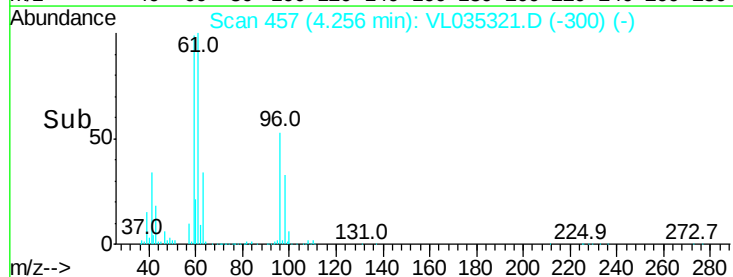
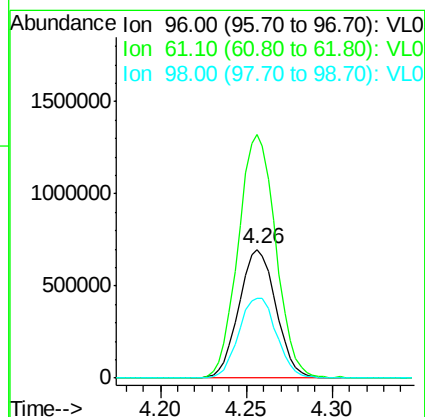
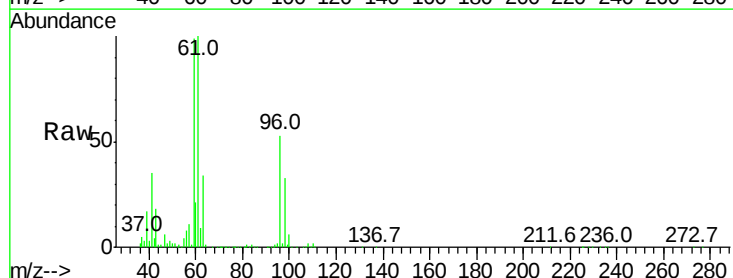
Tgt Ion: 96 Resp: 1044872

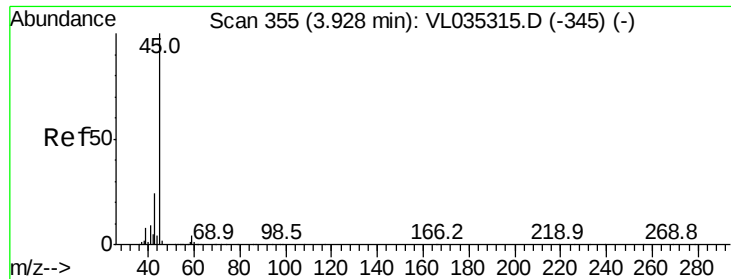
Ion Ratio Lower Upper

96 100

61 188.5 154.9 232.3

98 61.9 51.0 76.4



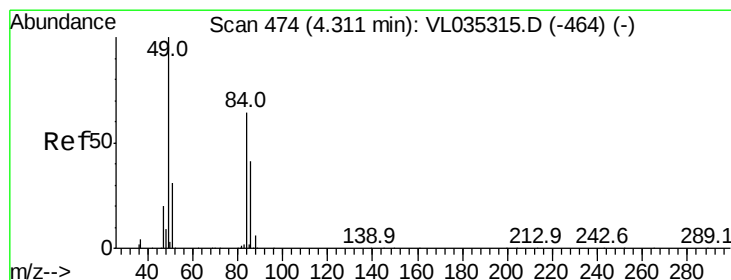
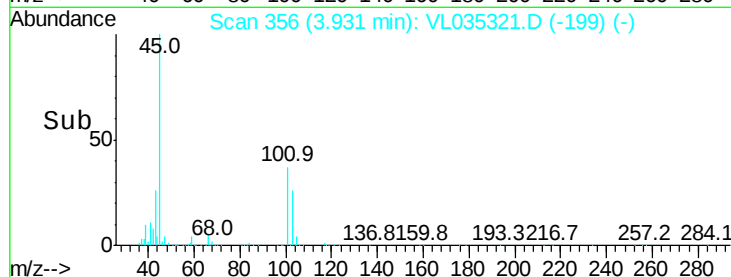
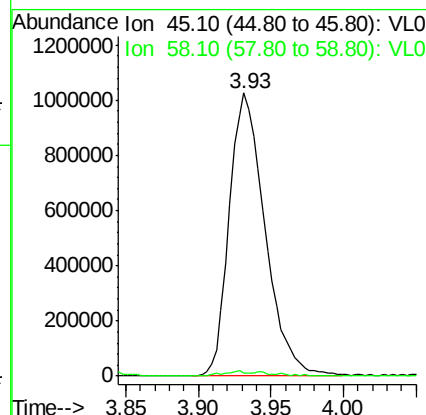
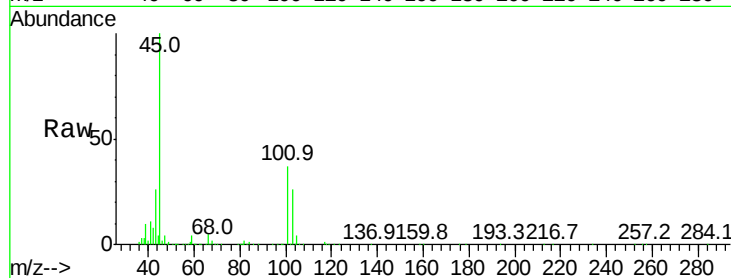


#19

Isopropyl Alcohol
 Concen: 13.097 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

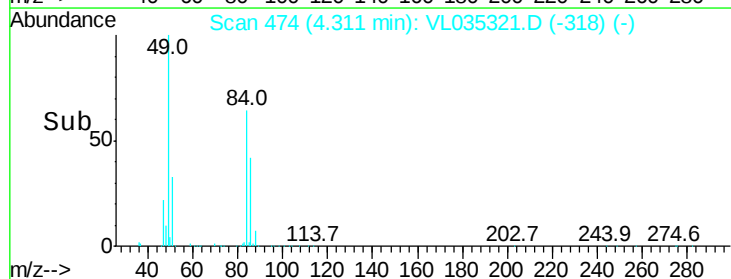
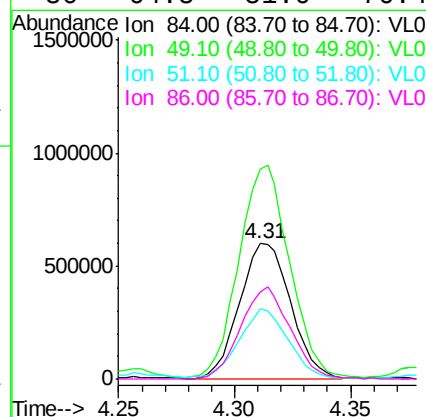
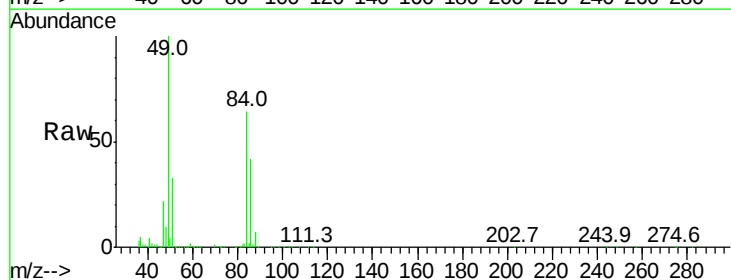
Tgt Ion: 45 Resp: 1758562
 Ion Ratio Lower Upper
 45 100
 58 2.3 1.5 2.3

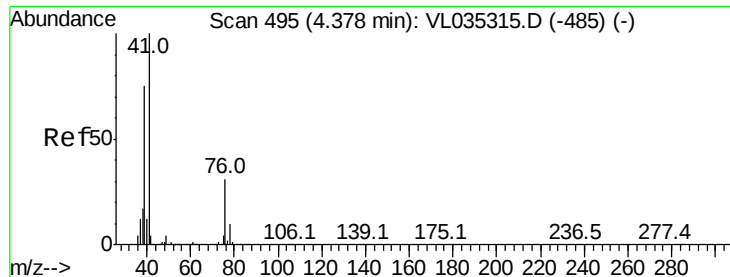


#20

Methylene Chloride
 Concen: 9.893 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 84 Resp: 916770
 Ion Ratio Lower Upper
 84 100
 49 154.2 124.2 186.2
 51 50.8 38.6 58.0
 86 64.5 51.0 76.4

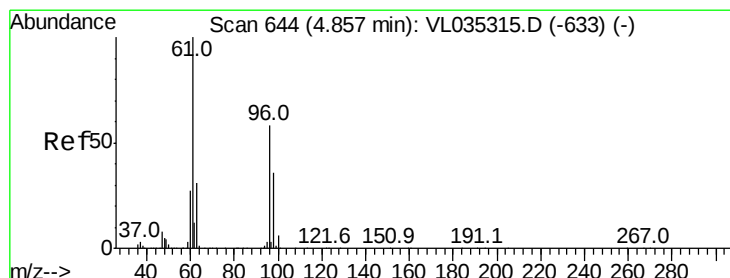
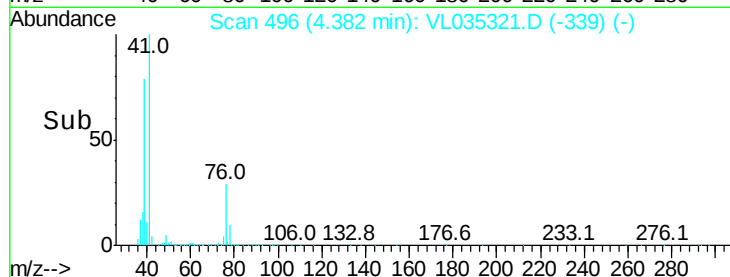
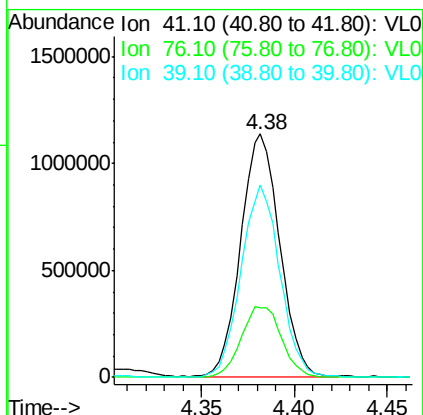
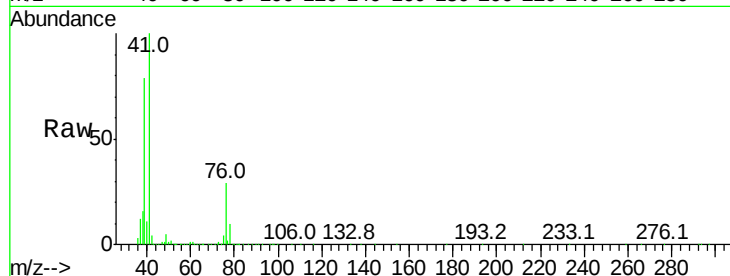




#21
 Allyl Chloride
 Concen: 14.339 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

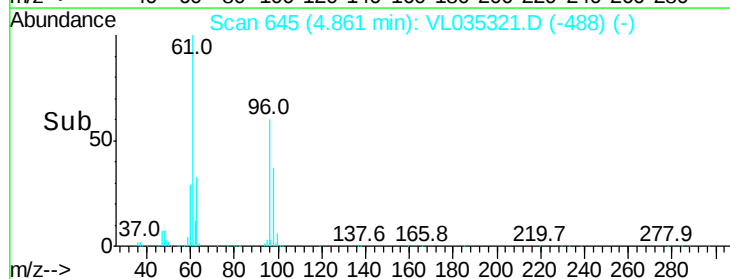
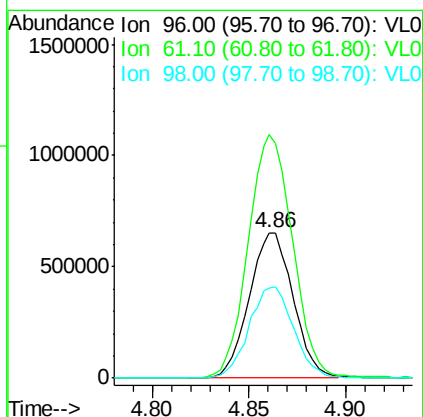
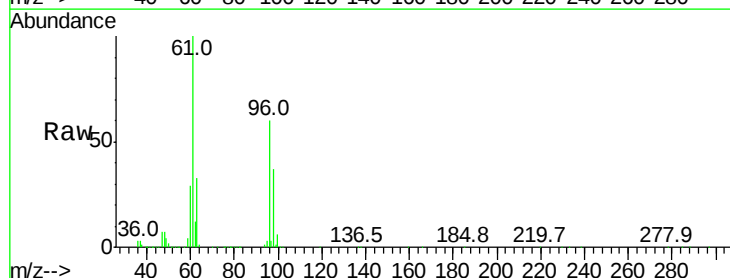
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

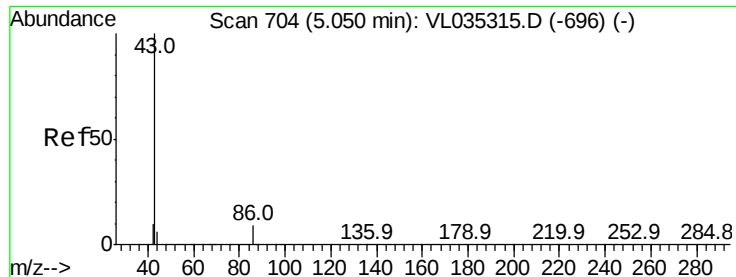
Tgt Ion: 41 Resp: 1662474
 Ion Ratio Lower Upper
 41 100
 76 30.4 24.4 36.6
 39 79.3 61.8 92.6



#22
 trans-1,2-Dichloroethene
 Concen: 13.909 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 96 Resp: 1031919
 Ion Ratio Lower Upper
 96 100
 61 167.2 136.8 205.2
 98 62.2 49.2 73.8





#23

Vinyl Acetate

Concen: 14.637 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2994248

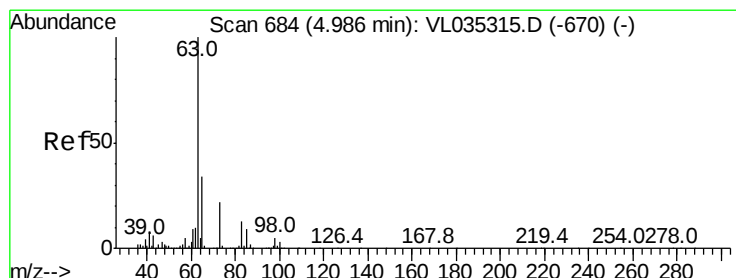
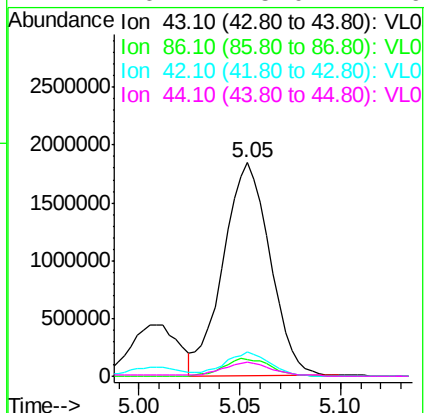
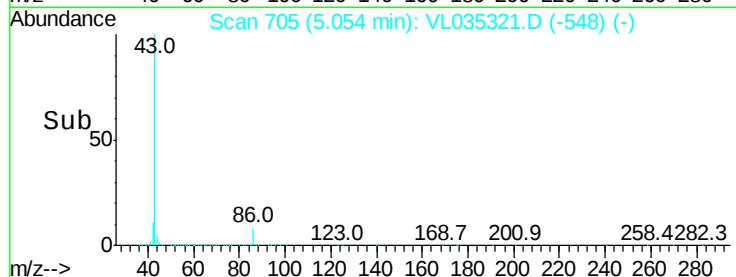
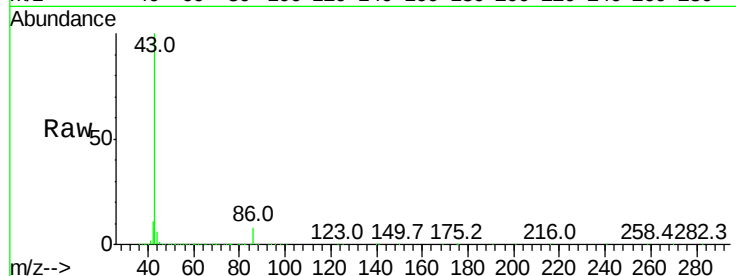
Ion Ratio Lower Upper

43 100

86 7.8 6.5 9.7

42 11.5 8.2 12.4

44 6.1 5.0 7.6



#24

1,1-Dichloroethane

Concen: 13.102 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

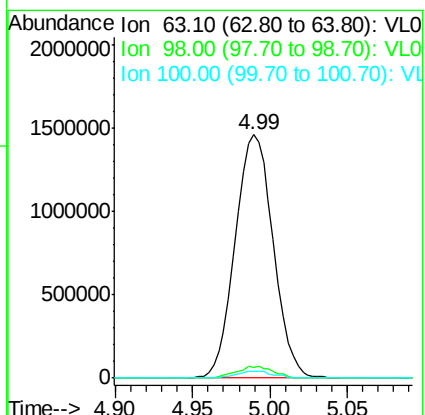
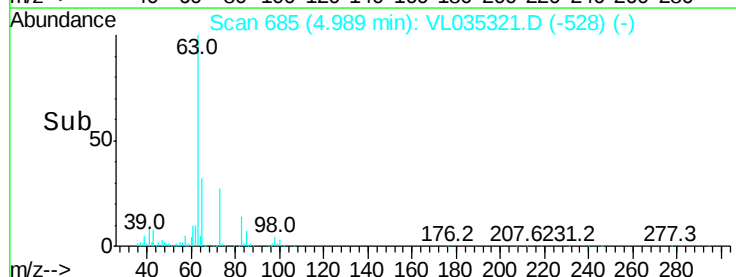
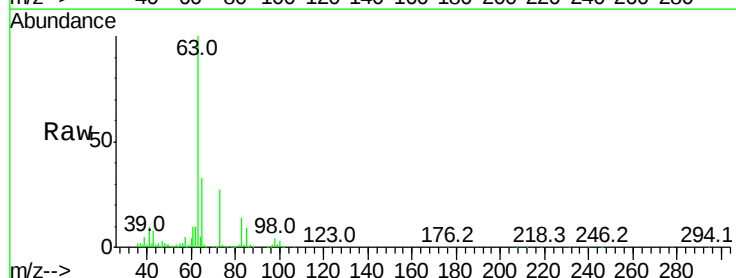
Tgt Ion: 63 Resp: 2499693

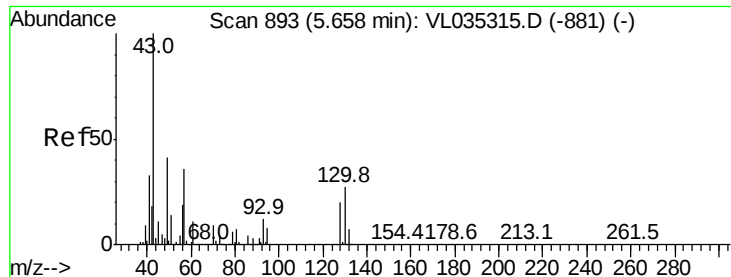
Ion Ratio Lower Upper

63 100

98 4.3 2.5 7.5

100 2.9 1.5 4.4



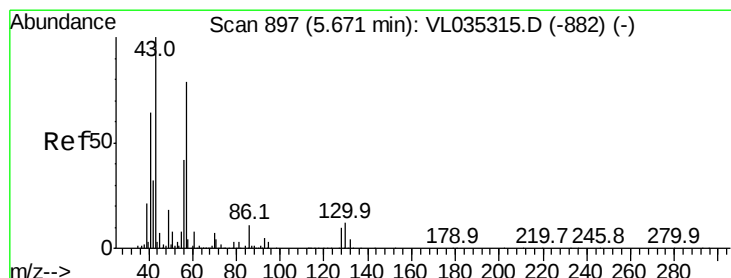
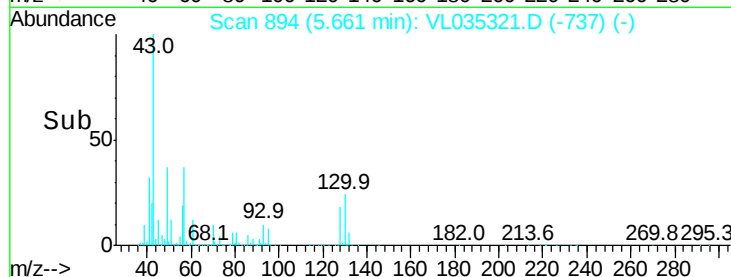
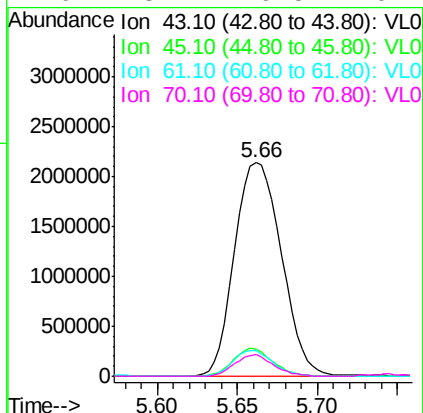
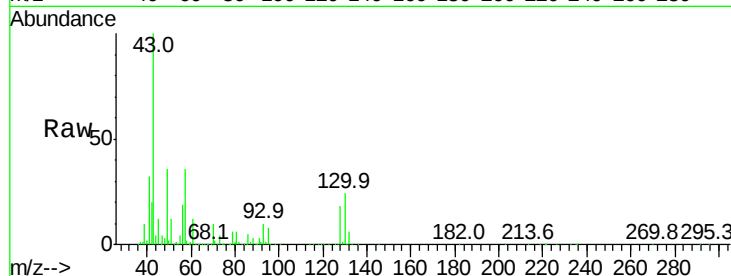


#25
Ethyl Acetate
Concen: 13.464 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 4280392

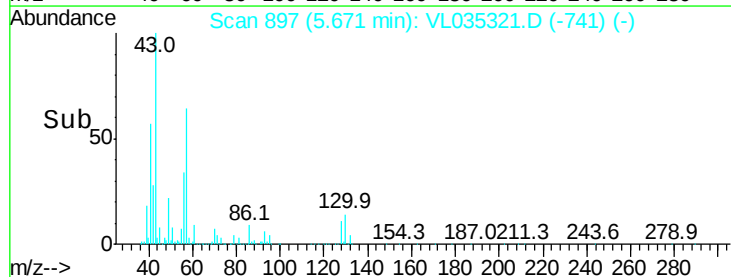
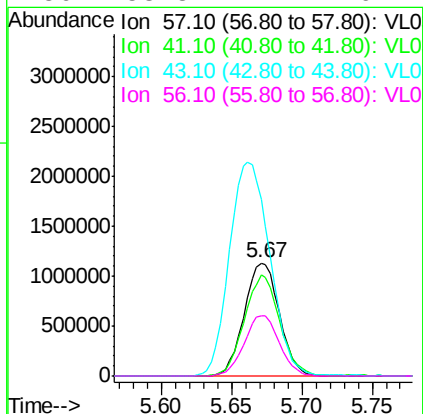
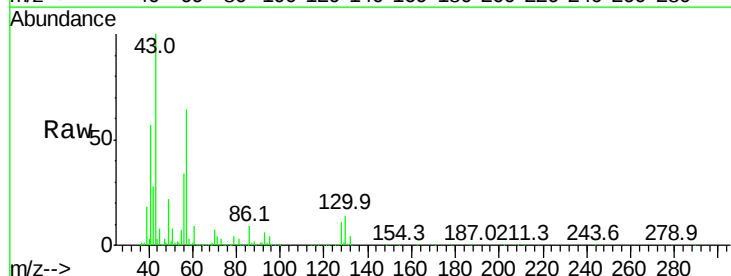
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	10.4	8.1	12.1
70	8.4	6.5	9.7

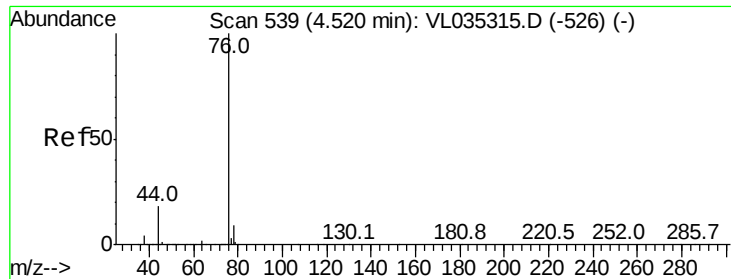


#26
Hexane
Concen: 13.729 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 57 Resp: 1969154

Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.1	108.1
43	218.7	179.0	268.6
56	53.8	42.7	64.1





#27

Carbon Disulfide

Concen: 13.983 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

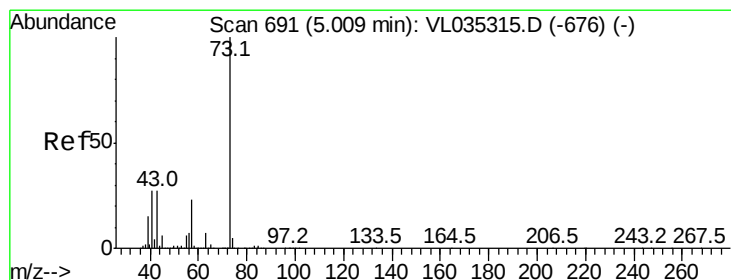
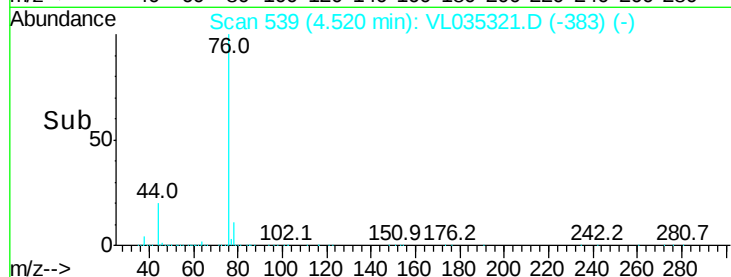
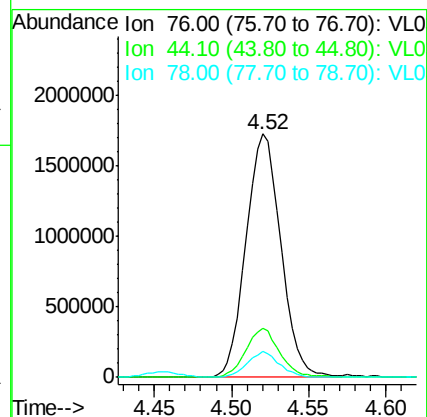
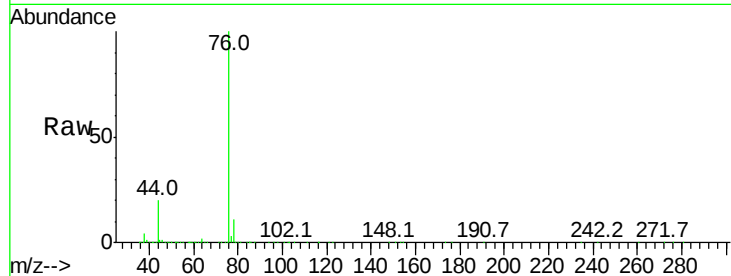
Tgt Ion: 76 Resp: 2709491

Ion Ratio Lower Upper

76 100

44 19.1 14.8 22.2

78 9.8 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 14.521 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL035321.D

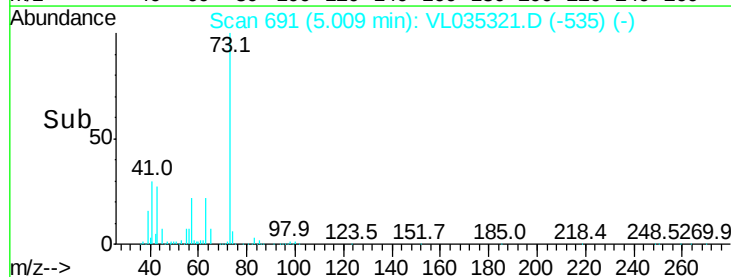
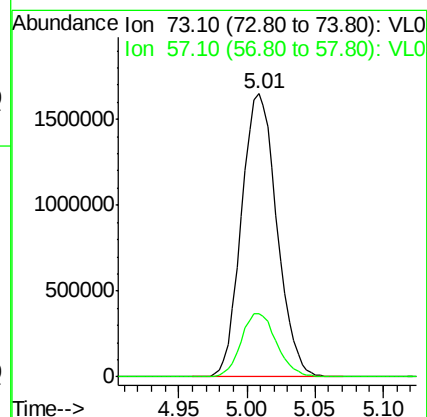
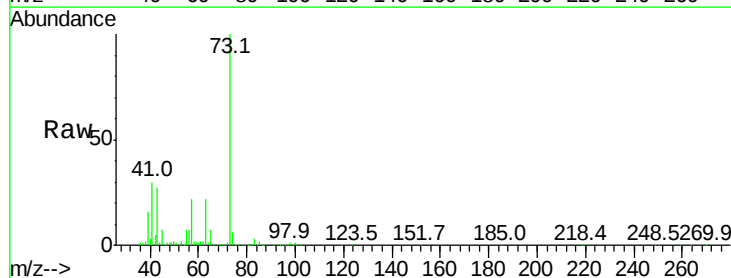
Acq: 3 Aug 2020 16:08

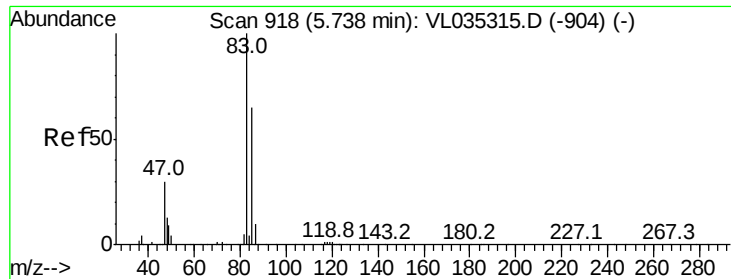
Tgt Ion: 73 Resp: 2977313

Ion Ratio Lower Upper

73 100

57 22.6 18.2 27.2

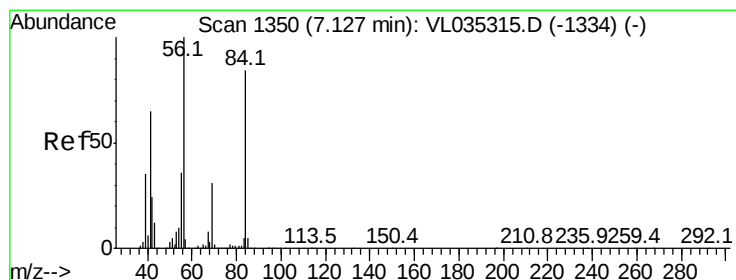
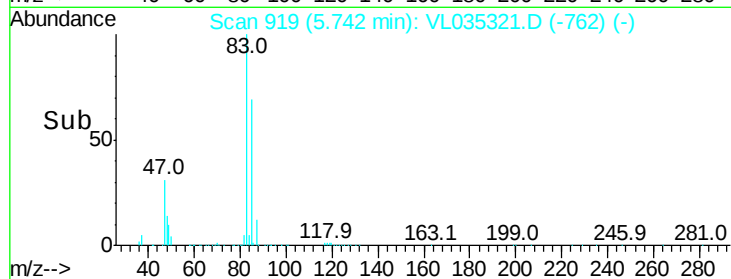
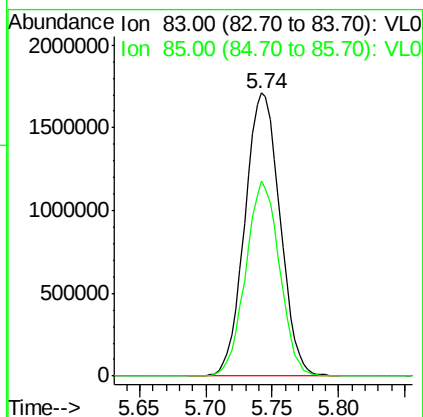
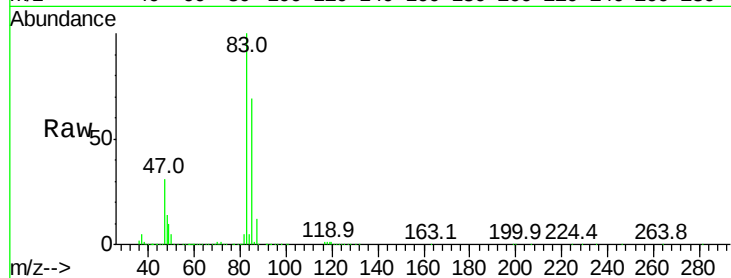




#29
Chloroform
Concen: 13.141 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

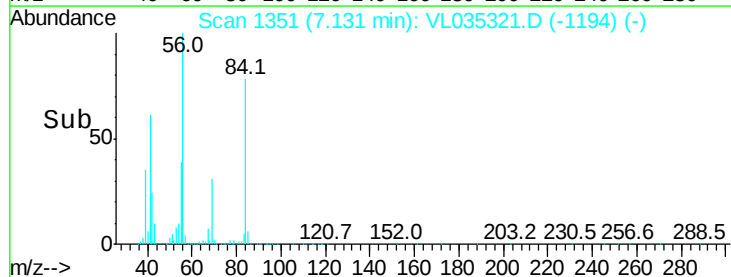
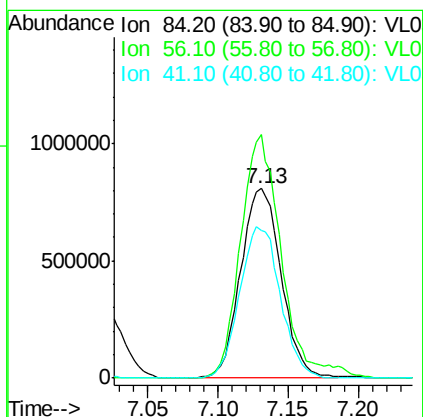
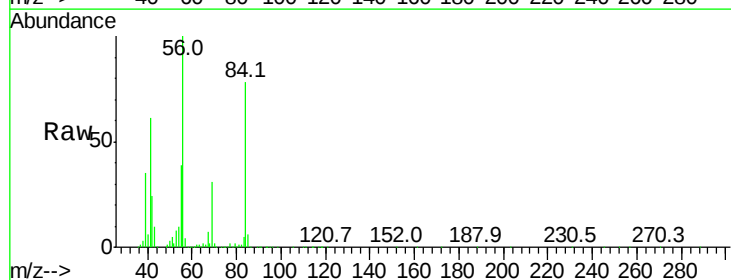
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

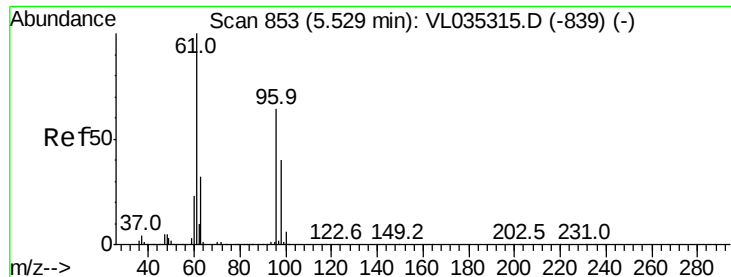
Tgt Ion: 83 Resp: 3161139
Ion Ratio Lower Upper
83 100
85 68.9 51.9 77.9



#30
Cyclohexane
Concen: 15.883 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 84 Resp: 1628275
Ion Ratio Lower Upper
84 100
56 129.9 103.0 154.6
41 80.4 62.7 94.1



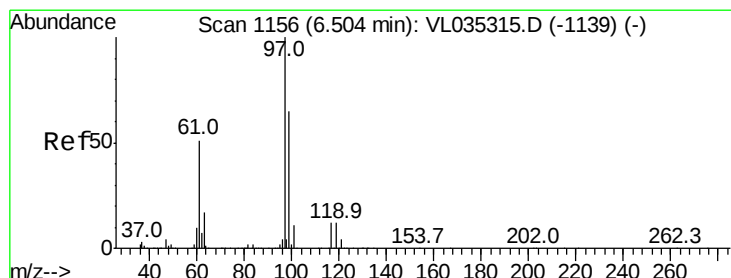
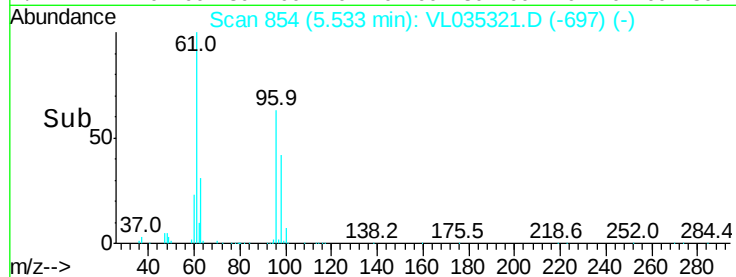
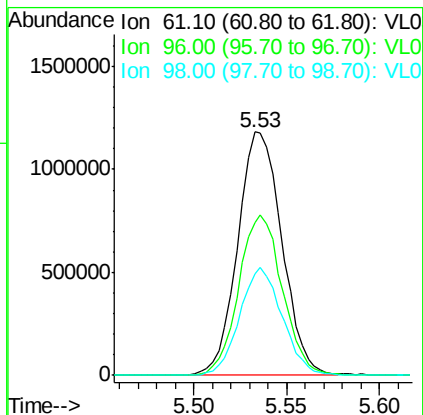
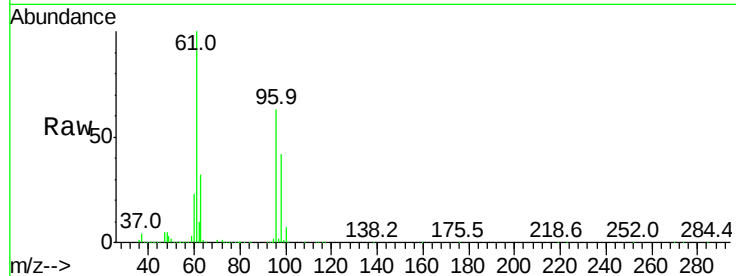


#31

cis-1,2-Dichloroethene
 Concen: 15.643 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

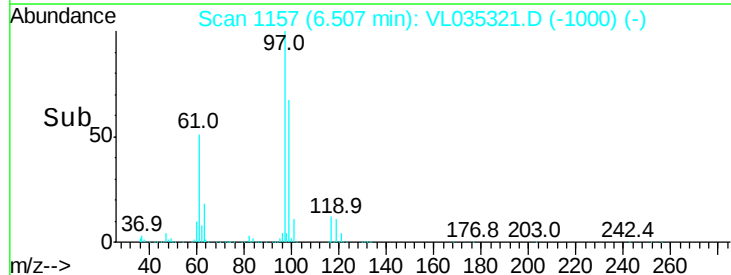
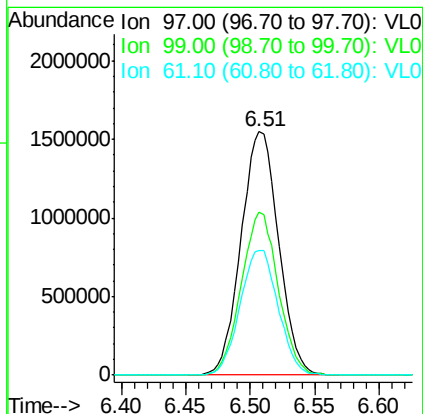
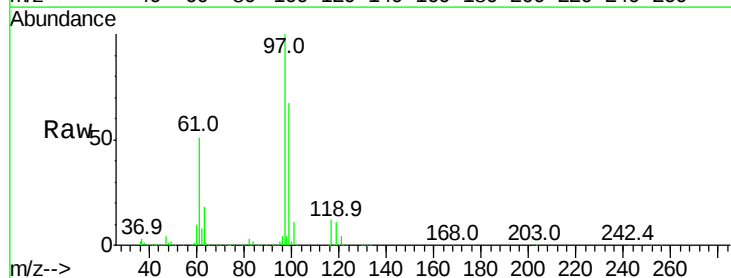
Tgt Ion: 61 Resp: 1955763
 Ion Ratio Lower Upper
 61 100
 96 62.4 51.4 77.2
 98 41.7 32.2 48.4

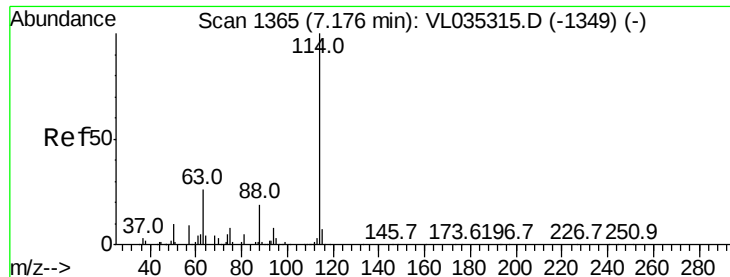


#32

1,1,1-Trichloroethane
 Concen: 12.774 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 97 Resp: 3145193
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.2 78.4
 61 51.7 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

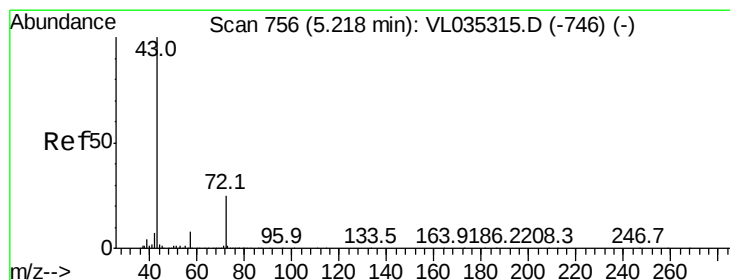
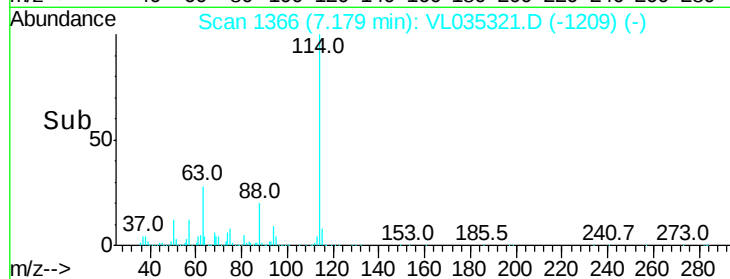
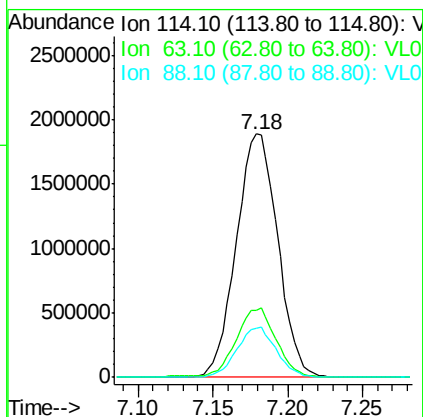
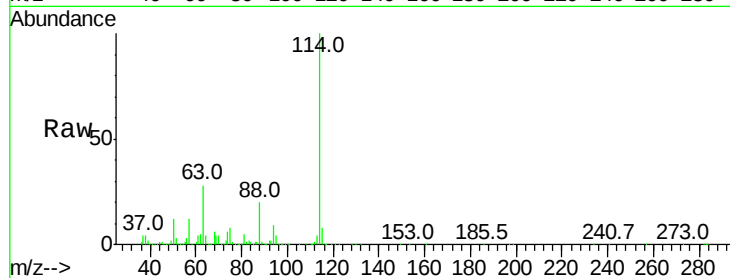
Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:114 Resp: 3642030

Ion	Ratio	Lower	Upper
114	100		
63	27.8	21.5	32.3
88	19.5	15.3	22.9



#34

2-Butanone

Concen: 14.016 ppbv

RT: 5.22 min Scan# 758

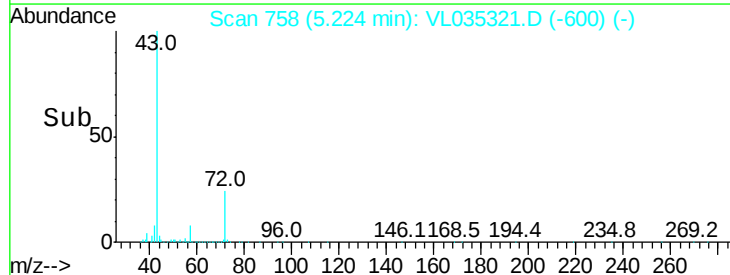
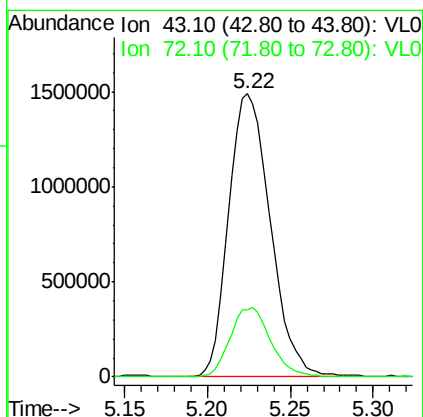
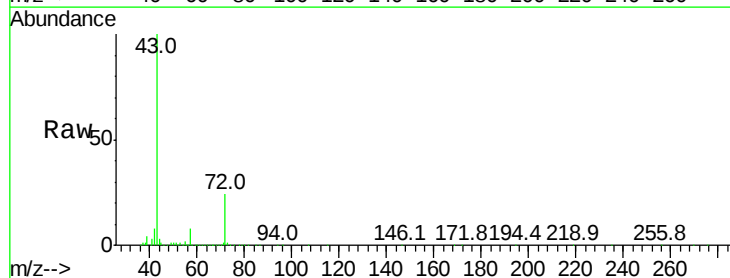
Delta R.T. 0.01 min

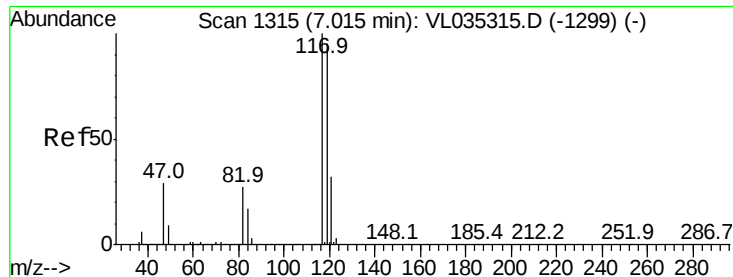
Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion: 43 Resp: 2597294

Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.2	28.8





#35

Carbon Tetrachloride

Concen: 13.657 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

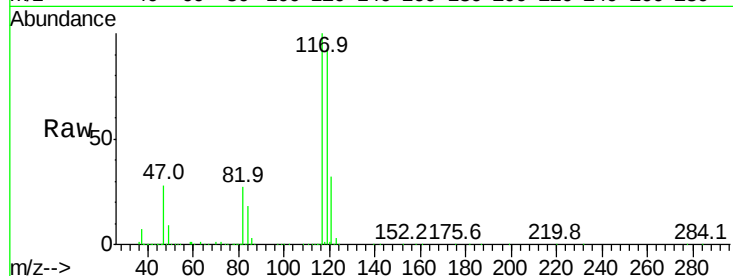
Tgt Ion: 117 Resp: 3330471

Ion Ratio Lower Upper

117 100

119 93.5 76.1 114.1

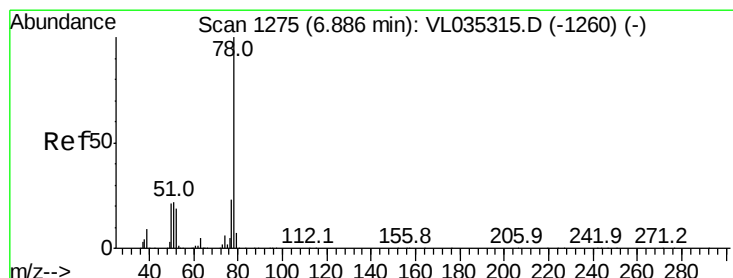
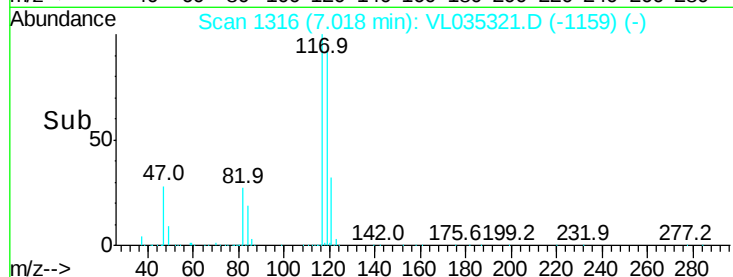
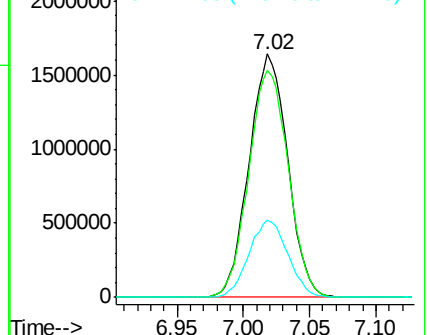
121 31.7 25.6 38.4



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: 14.911 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

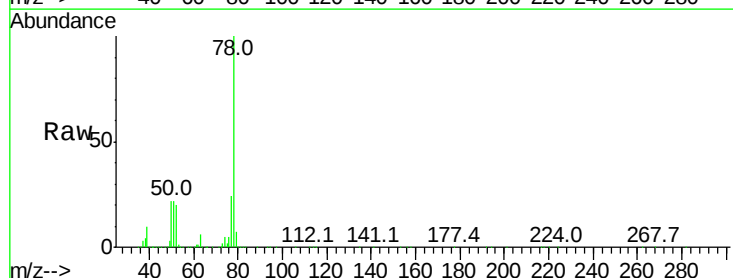
Tgt Ion: 78 Resp: 3774223

Ion Ratio Lower Upper

78 100

77 24.1 18.4 27.6

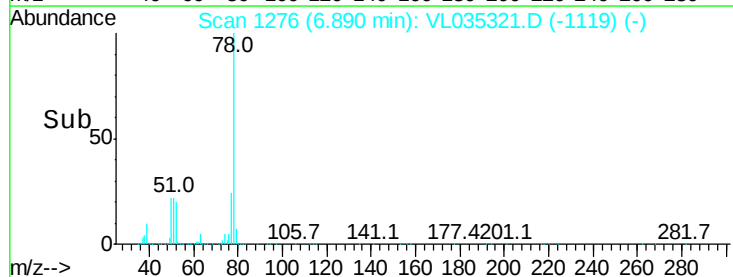
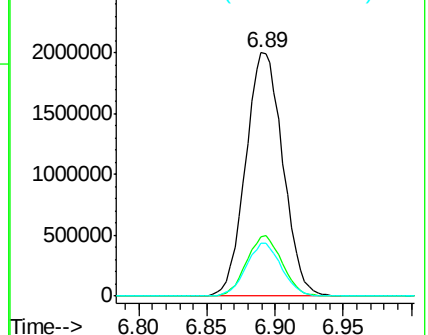
50 21.6 16.6 25.0

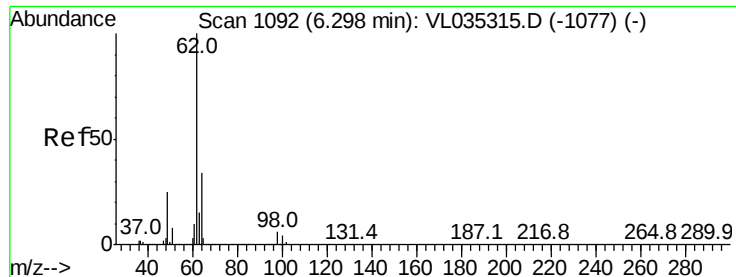


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 13.946 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

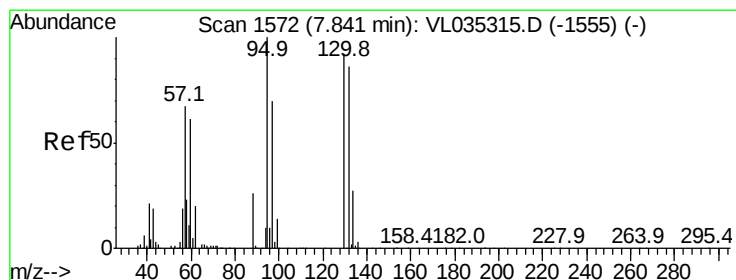
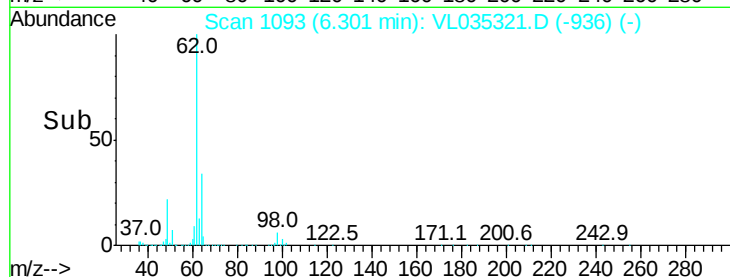
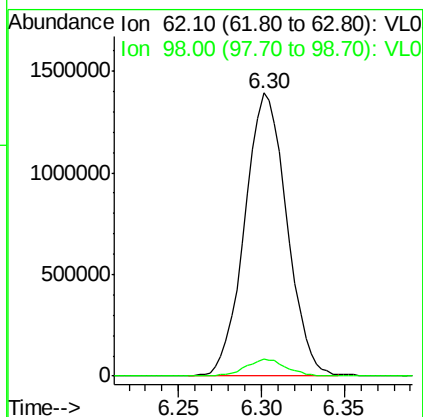
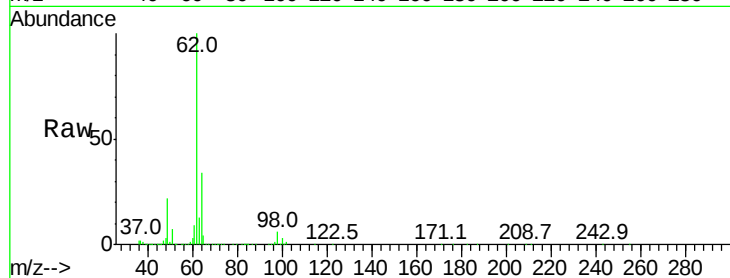
VSTDIC015

Tgt Ion: 62 Resp: 2467592

Ion Ratio Lower Upper

62 100

98 5.8 4.6 7.0



#38

Trichloroethene

Concen: 15.415 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion: 130 Resp: 1617111

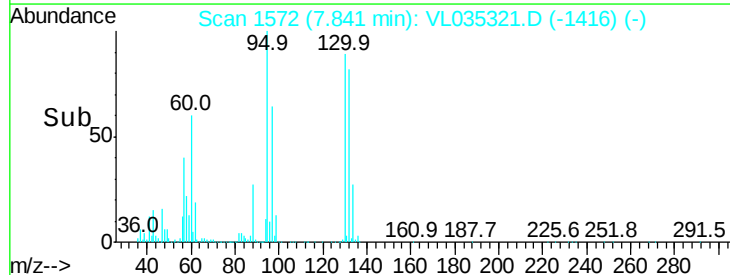
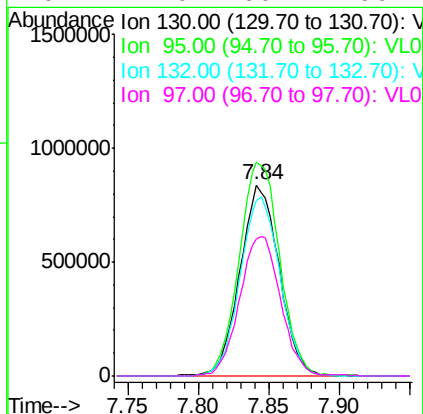
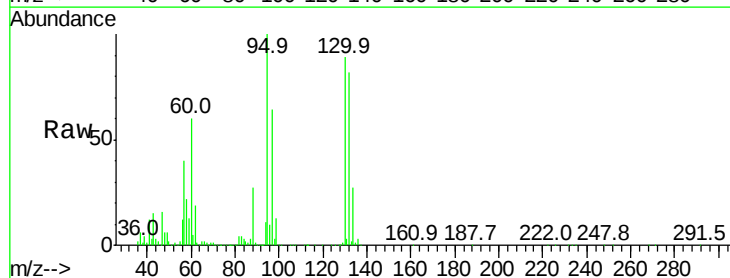
Ion Ratio Lower Upper

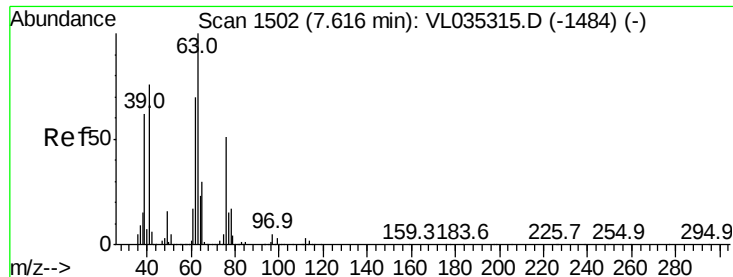
130 100

95 112.0 86.3 129.5

132 91.8 74.2 111.2

97 72.0 60.2 90.4

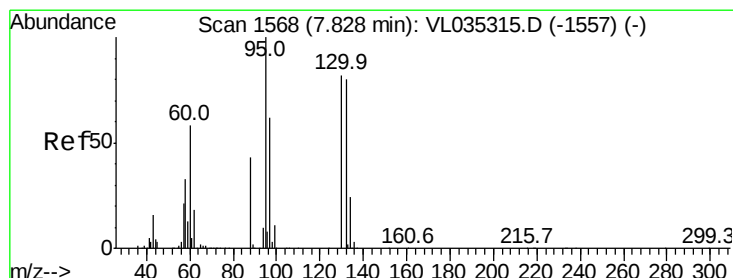
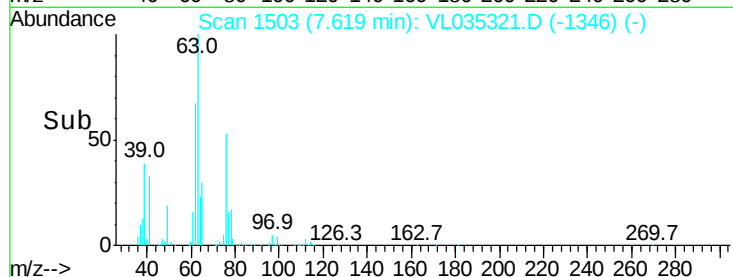
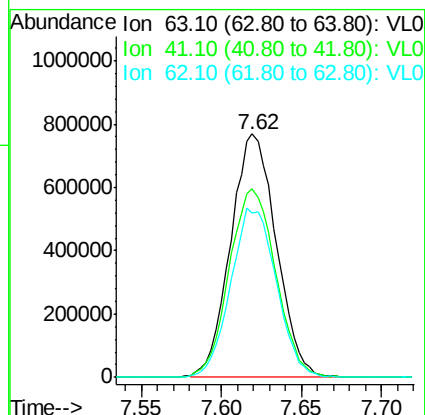
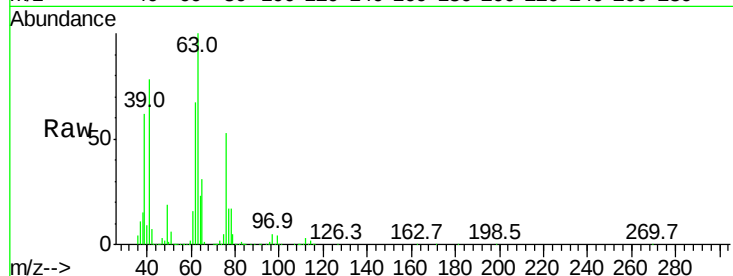




#39
 1,2-Dichloropropane
 Concen: 14.766 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

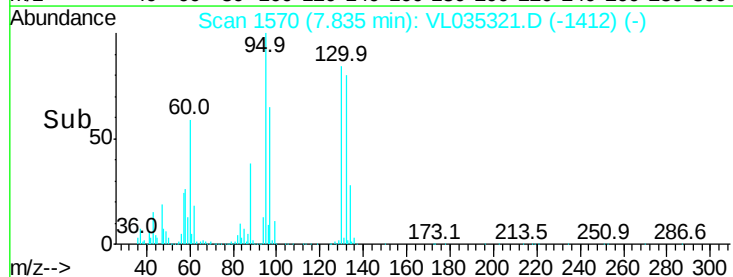
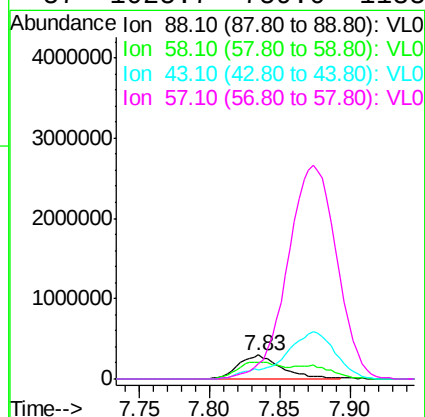
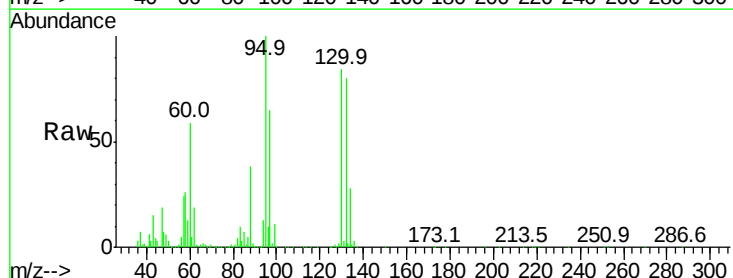
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

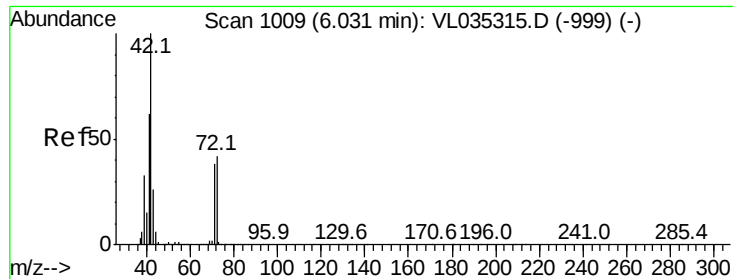
Tgt Ion: 63 Resp: 1491223
 Ion Ratio Lower Upper
 63 100
 41 77.5 61.0 91.4
 62 67.1 55.8 83.8



#40
 1,4-Dioxane
 Concen: 15.871 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 88 Resp: 631133
 Ion Ratio Lower Upper
 88 100
 58 126.3 95.4 143.2
 43 243.8 172.7 259.1
 57 1025.7 759.0 1138.4





#41

Tetrahydrofuran

Concen: 15.597 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

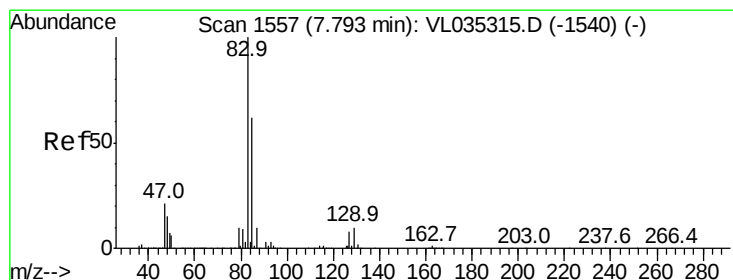
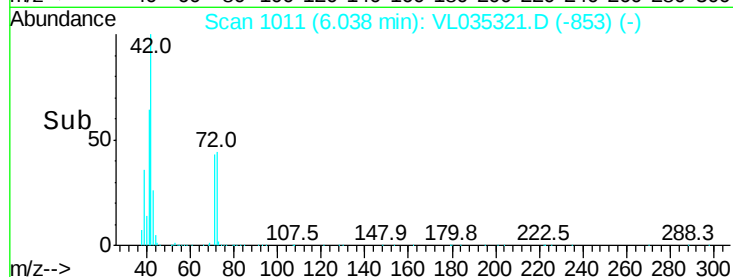
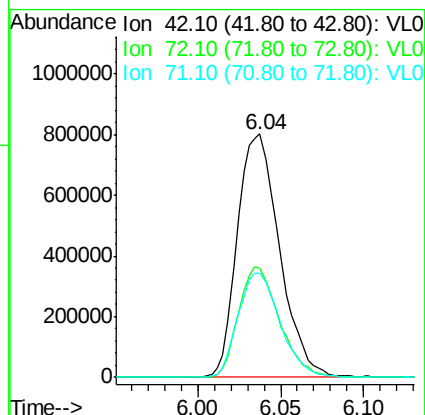
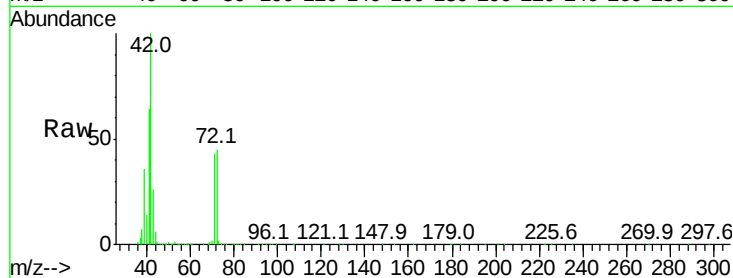
Tgt Ion: 42 Resp: 1416582

Ion Ratio Lower Upper

42 100

72 44.2 33.8 50.8

71 43.1 32.7 49.1



#42

Bromodichloromethane

Concen: 14.459 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

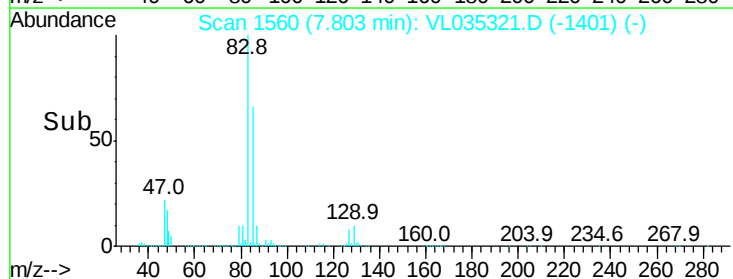
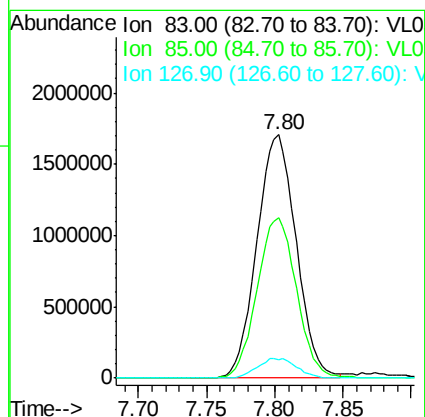
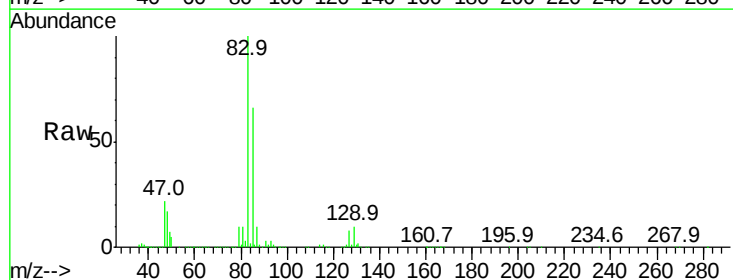
Tgt Ion: 83 Resp: 3414739

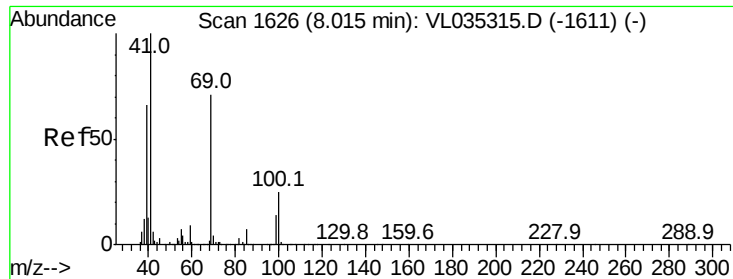
Ion Ratio Lower Upper

83 100

85 66.0 49.9 74.9

127 7.7 6.6 10.0

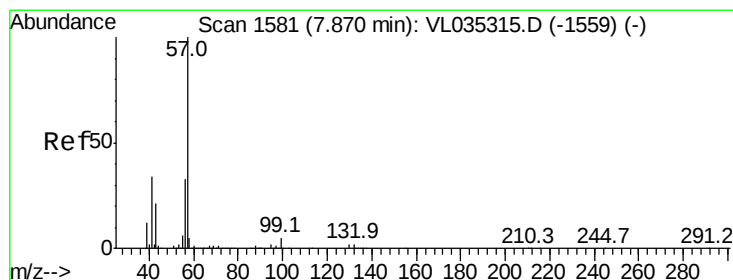
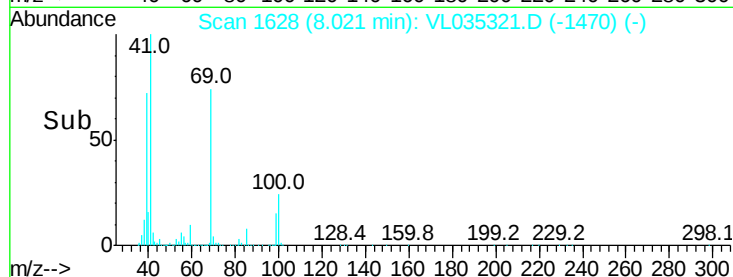
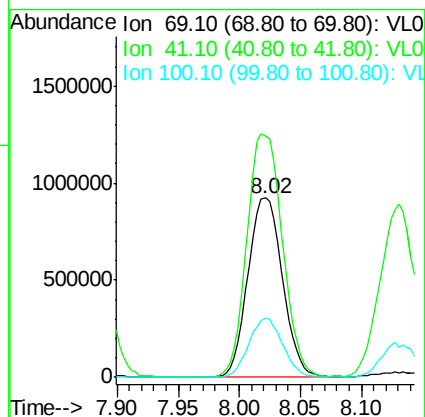
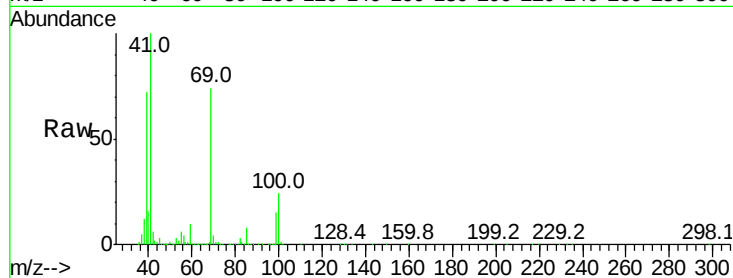




#43
Methyl Methacrylate
Concen: 16.490 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

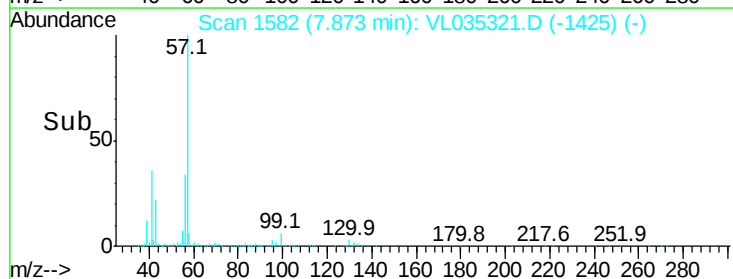
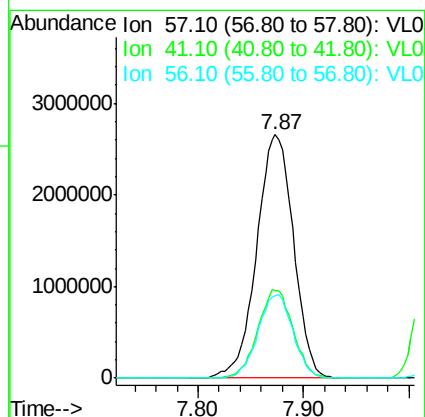
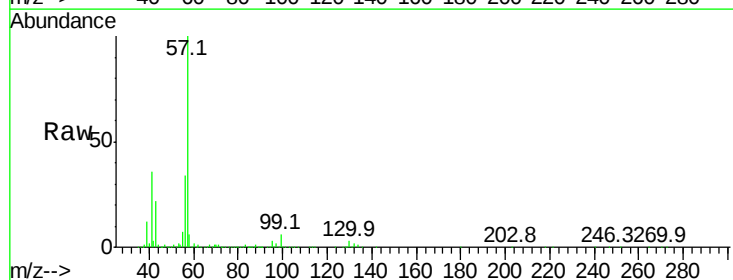
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

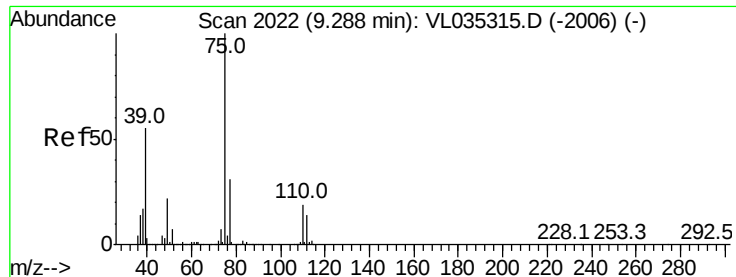
Tgt Ion: 69 Resp: 1808371
Ion Ratio Lower Upper
69 100
41 139.0 110.9 166.3
100 32.3 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 14.492 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 57 Resp: 6462948
Ion Ratio Lower Upper
57 100
41 34.6 26.7 40.1
56 32.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 18.849 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

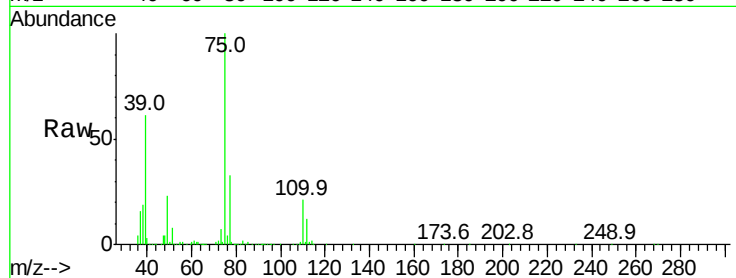
VSTDIC015

Tgt Ion: 75 Resp: 2082760

Ion Ratio Lower Upper

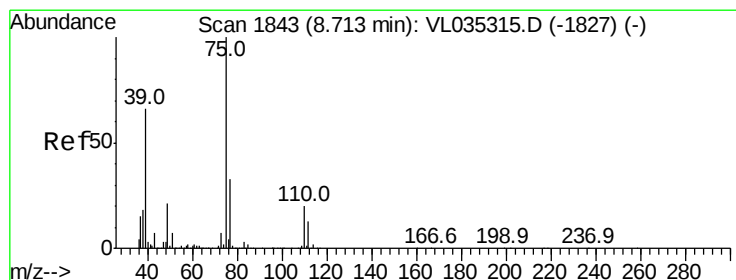
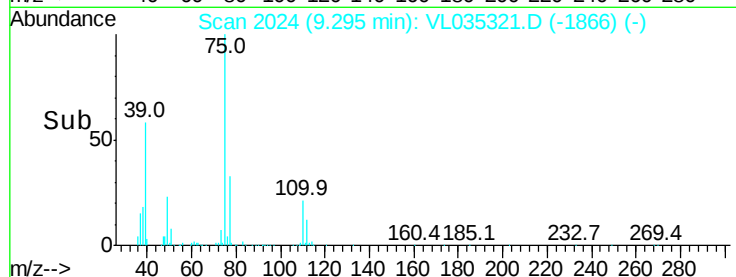
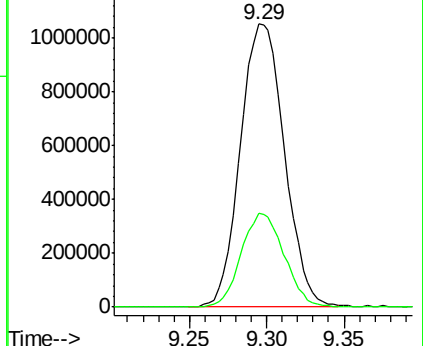
75 100

77 33.2 24.6 37.0



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: 17.949 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

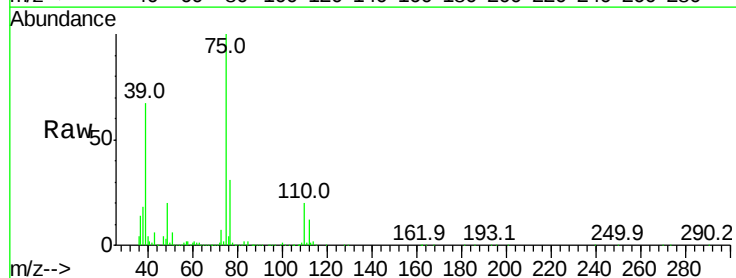
Tgt Ion: 75 Resp: 2416291

Ion Ratio Lower Upper

75 100

39 66.7 52.6 79.0

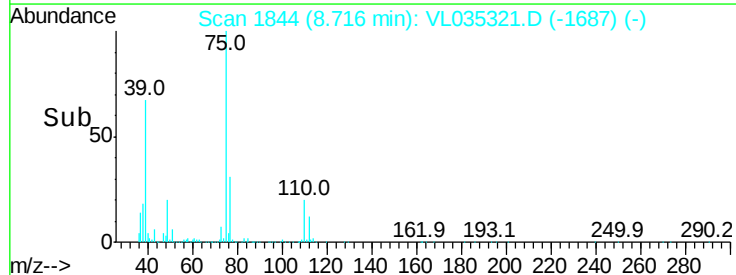
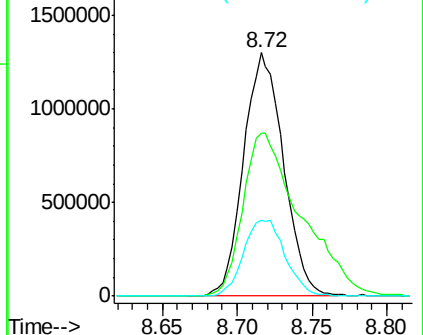
77 31.2 26.5 39.7

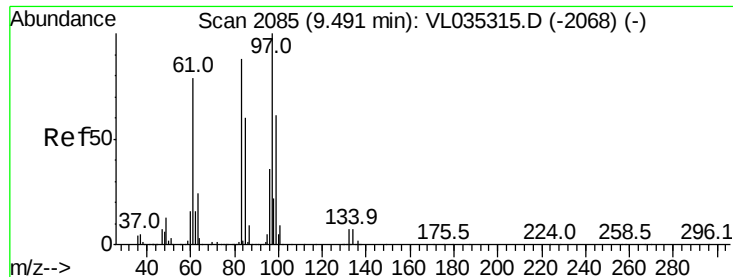


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

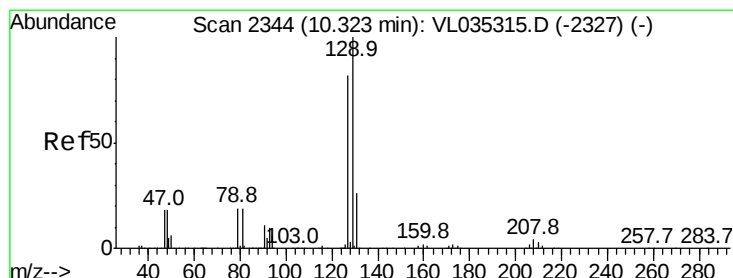
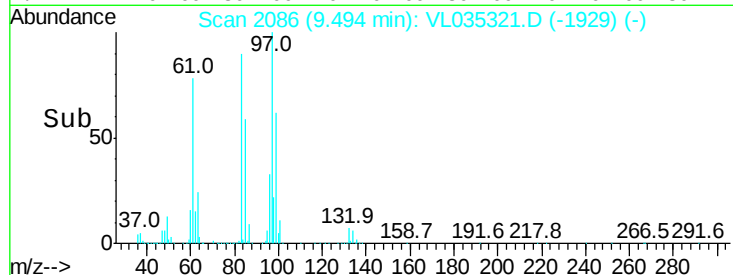
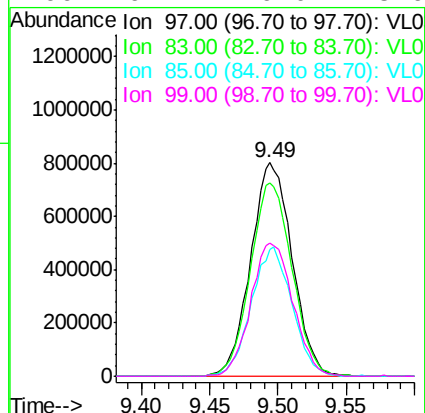
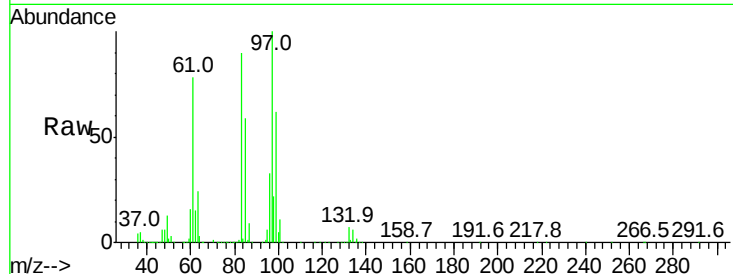




#47
 1,1,2-Trichloroethane
 Concen: 14.186 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

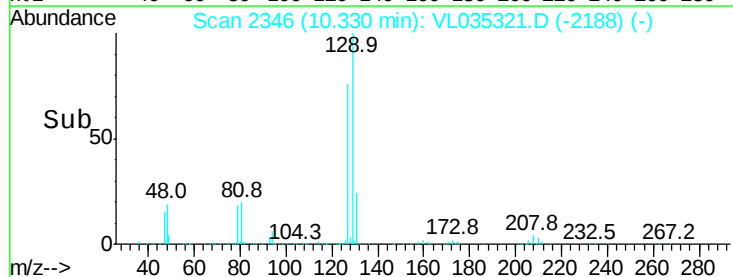
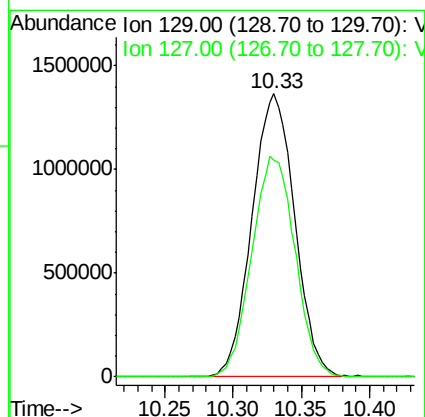
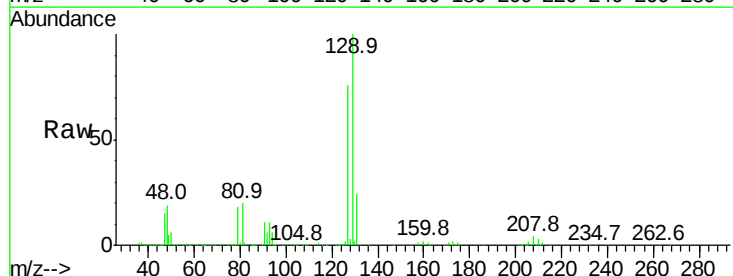
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

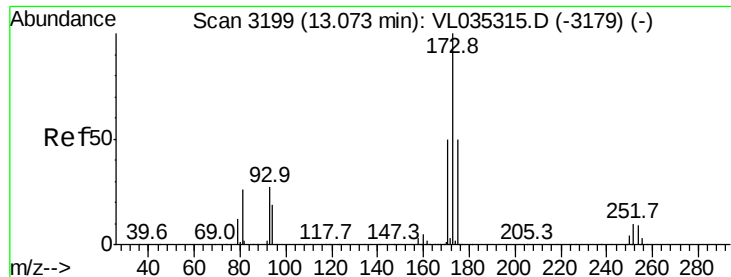
Tgt Ion: 97 Resp: 1692273
 Ion Ratio Lower Upper
 97 100
 83 90.3 70.6 105.8
 85 59.3 47.8 71.8
 99 62.4 49.0 73.6



#48
 Dibromochloromethane
 Concen: 15.785 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 129 Resp: 2965682
 Ion Ratio Lower Upper
 129 100
 127 79.0 39.0 117.0

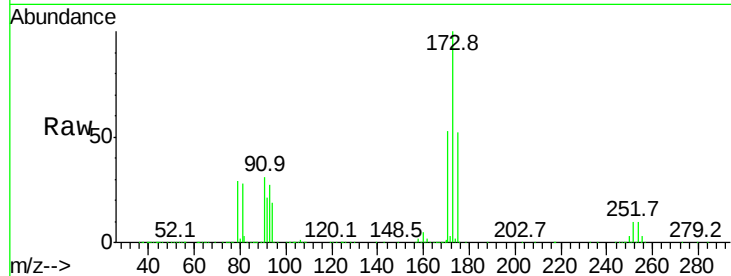




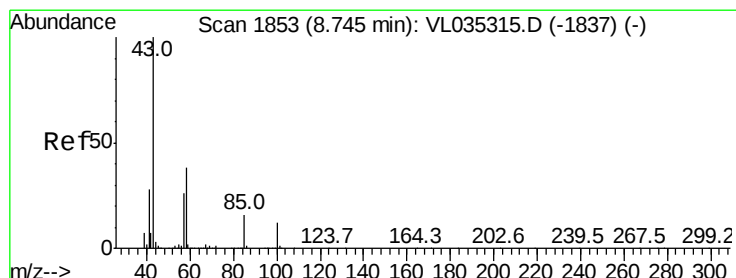
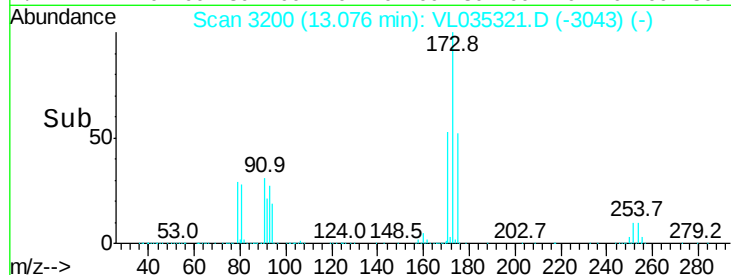
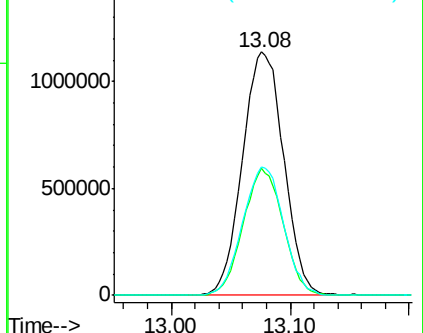
#49
Bromoform
Concen: 16.173 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:173 Resp: 2731692
Ion Ratio Lower Upper
173 100
175 50.5 39.8 59.6
171 52.3 42.0 63.0

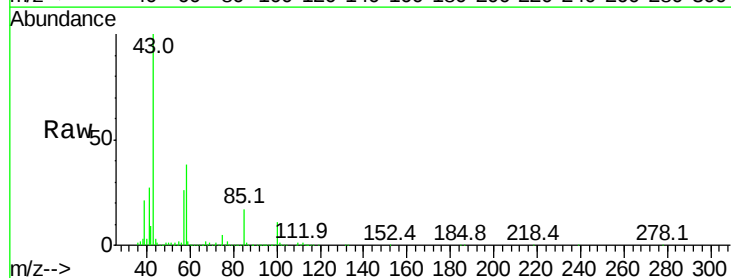


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

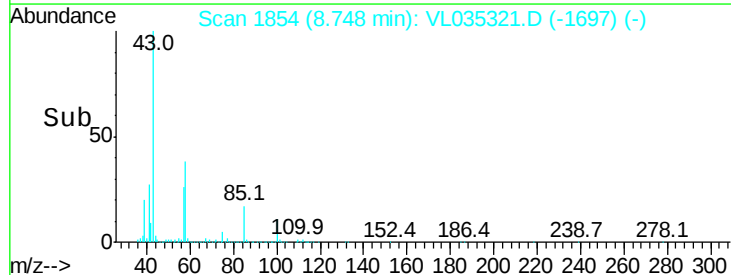
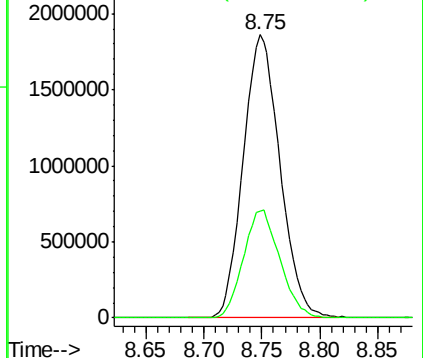


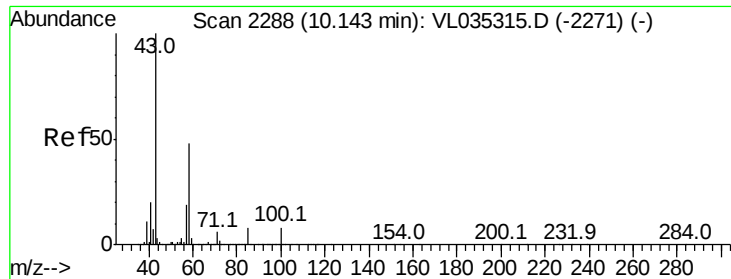
#50
4-Methyl-2-Pentanone
Concen: 15.304 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 43 Resp: 4109778
Ion Ratio Lower Upper
43 100
58 37.9 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 16.579 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

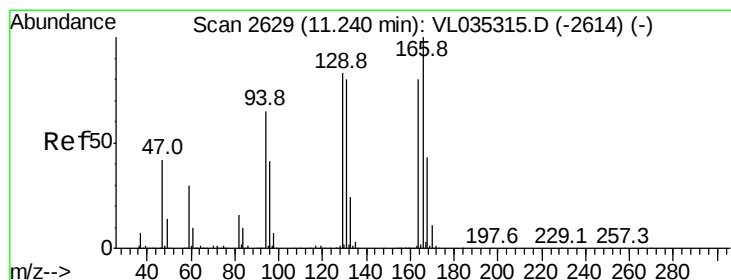
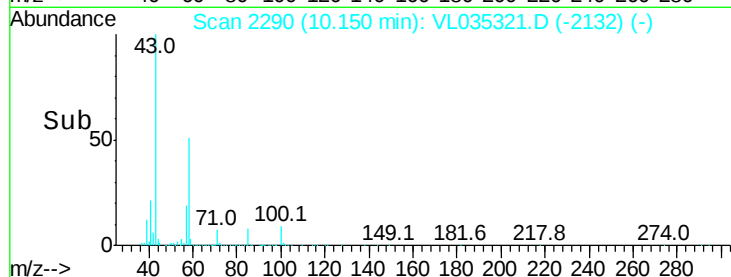
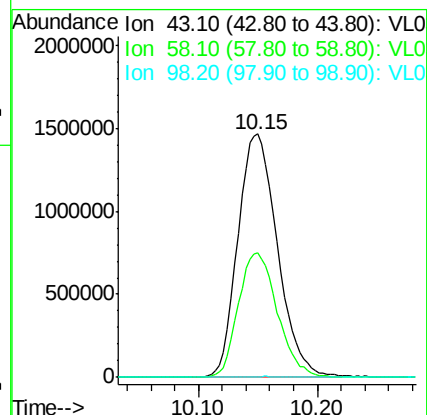
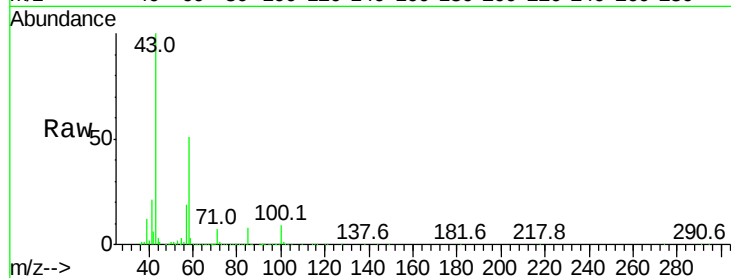
Tgt Ion: 43 Resp: 3376432

Ion Ratio Lower Upper

43 100

58 50.6 39.8 59.6

98 0.5 0.3 0.5#



#52

Tetrachloroethene

Concen: 15.301 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion: 164 Resp: 1477680

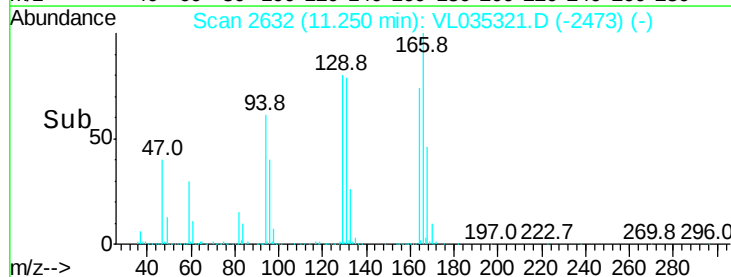
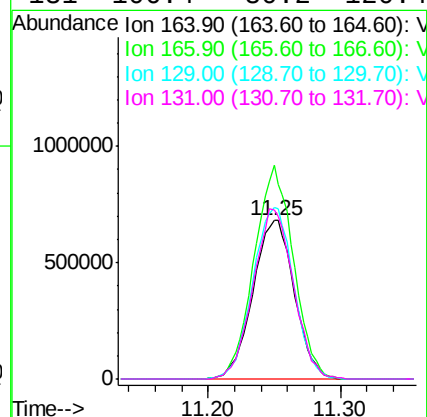
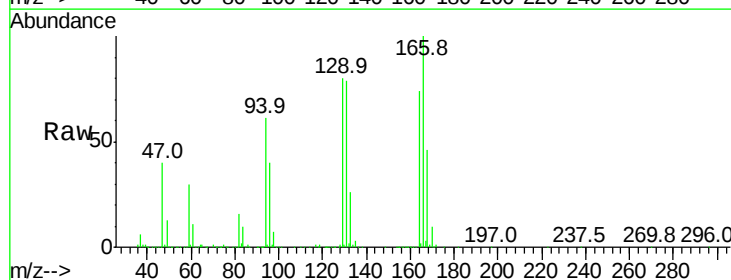
Ion Ratio Lower Upper

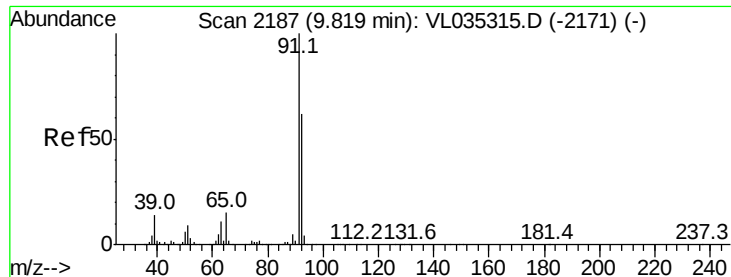
164 100

166 134.6 100.2 150.2

129 107.8 82.7 124.1

131 106.4 80.2 120.4





#53

Toluene

Concen: 16.941 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

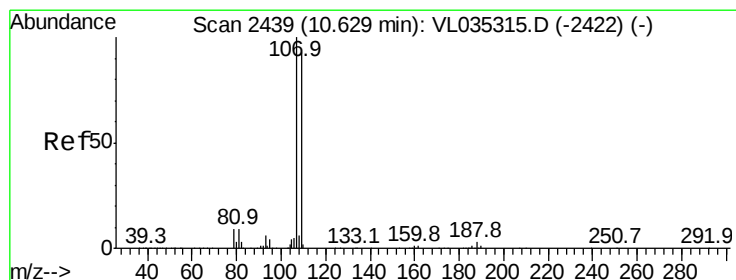
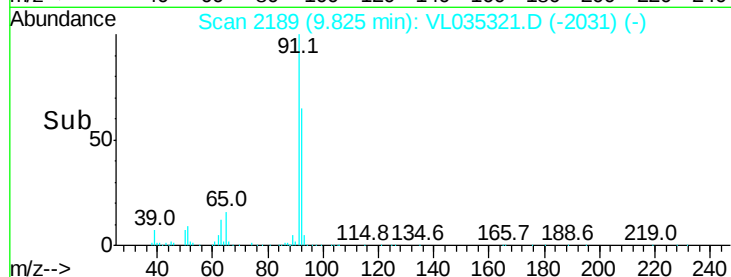
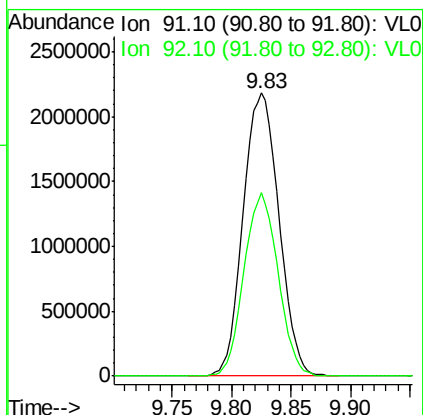
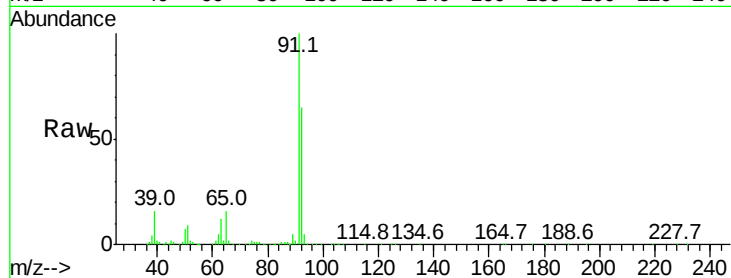
VSTDIC015

Tgt Ion: 91 Resp: 4557165

Ion Ratio Lower Upper

91 100

92 61.7 48.7 73.1



#54

1,2-Dibromoethane

Concen: 15.309 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035321.D

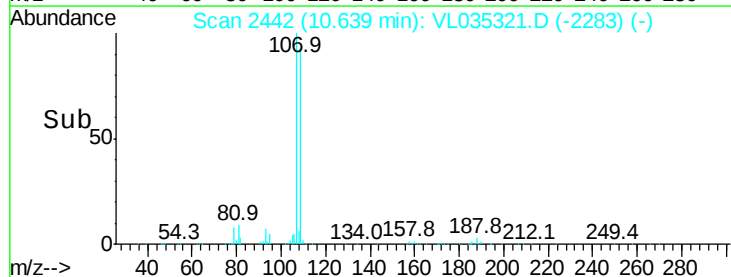
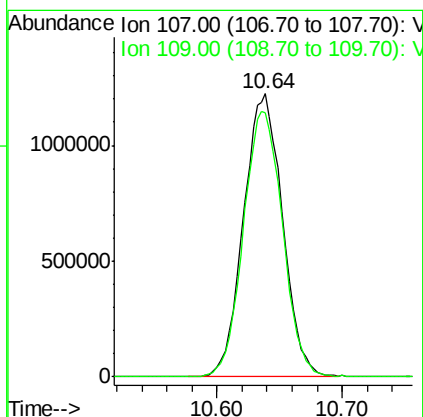
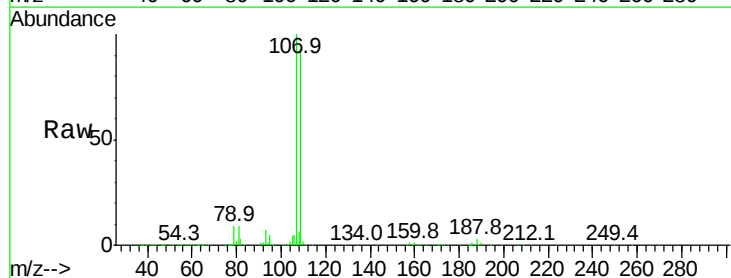
Acq: 3 Aug 2020 16:08

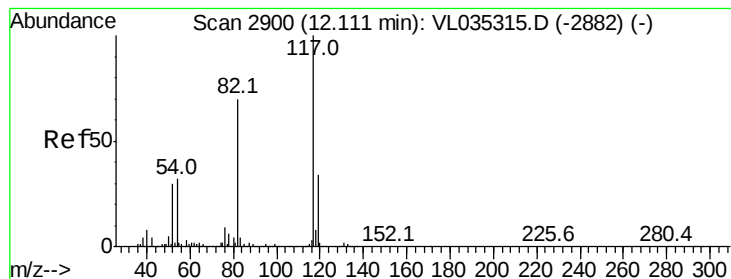
Tgt Ion: 107 Resp: 2640616

Ion Ratio Lower Upper

107 100

109 93.4 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

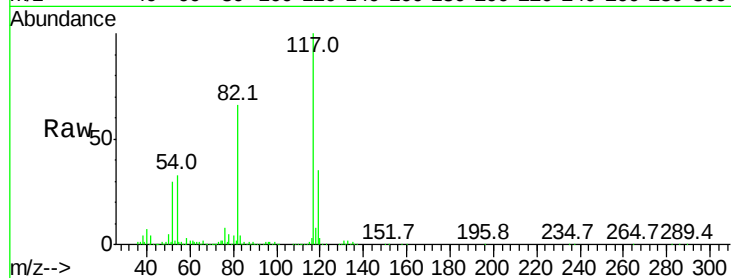
Tgt Ion:117 Resp: 3633581

Ion Ratio Lower Upper

117 100

82 68.8 50.6 76.0

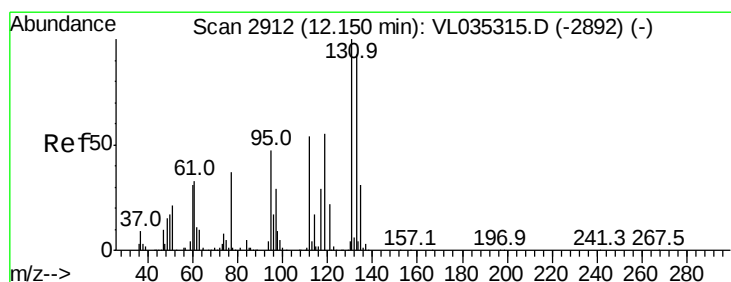
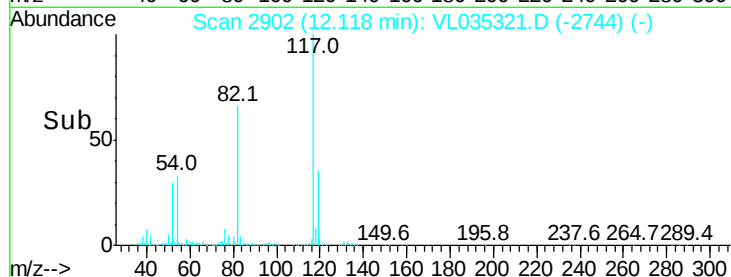
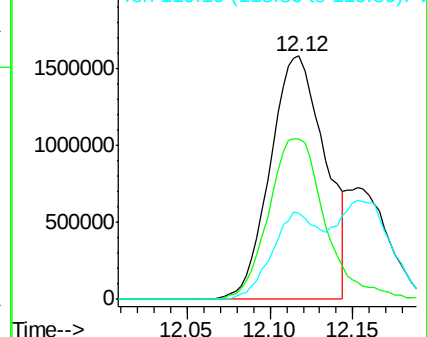
119 34.2 24.1 36.1



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: 13.333 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

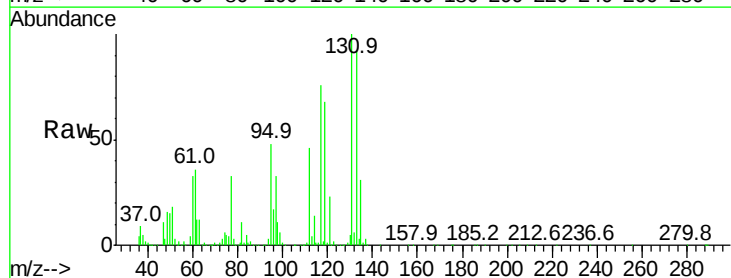
Tgt Ion:131 Resp: 2227507

Ion Ratio Lower Upper

131 100

133 97.0 75.5 113.3

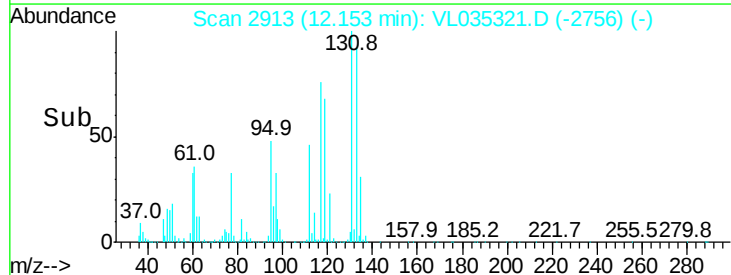
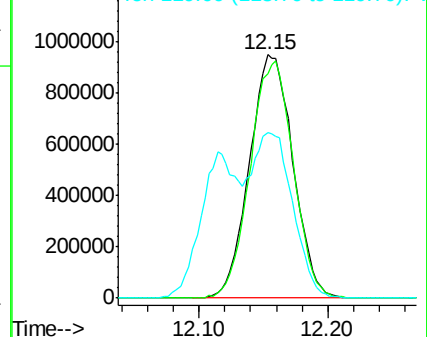
119 61.7 53.1 79.7

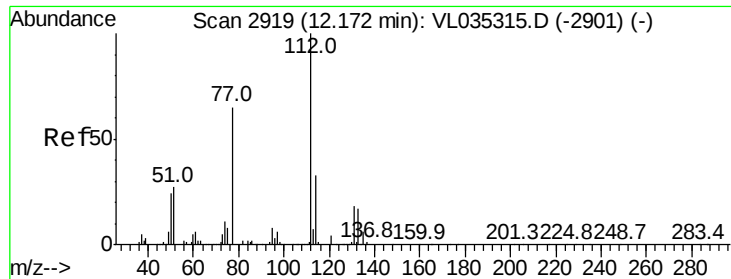


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

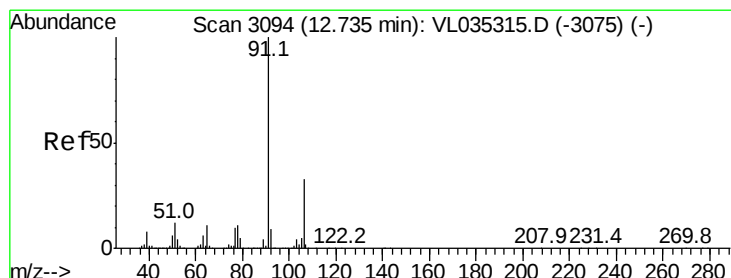
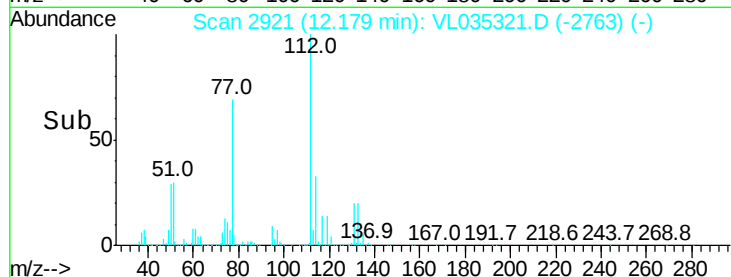
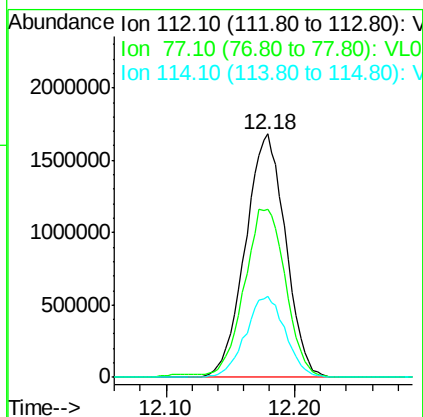
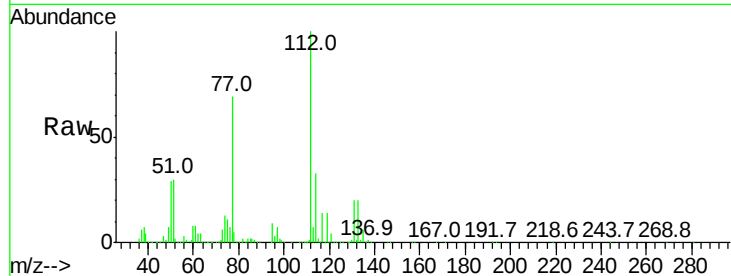




#57
Chlorobenzene
Concen: 13.395 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

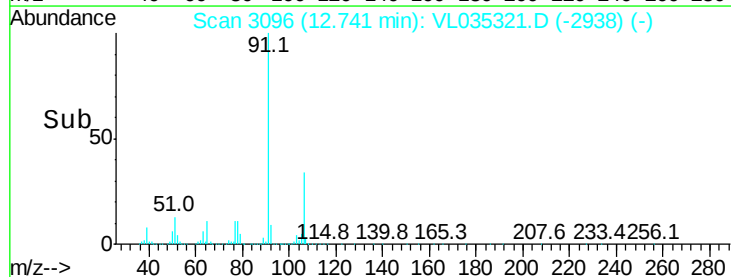
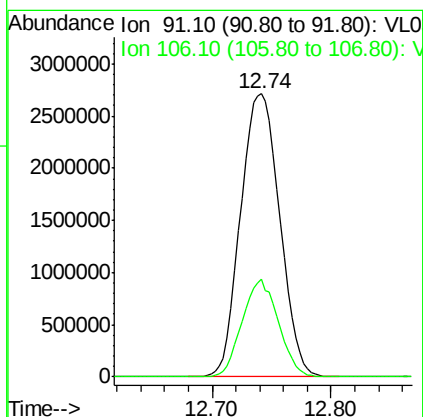
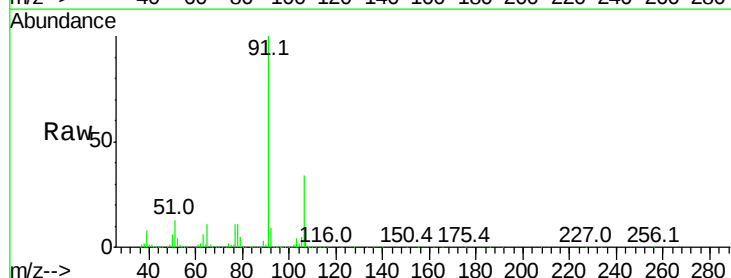
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

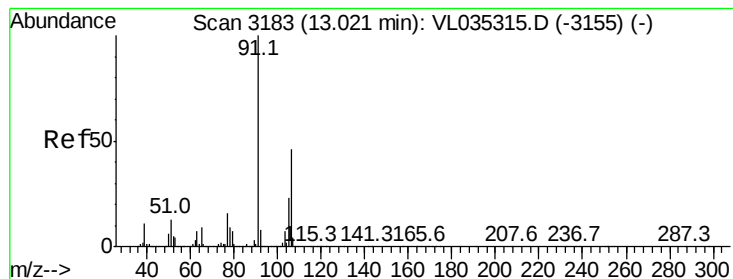
Tgt Ion: 112 Resp: 3662337
Ion Ratio Lower Upper
112 100
77 68.9 53.0 79.6
114 33.0 30.0 36.6



#58
Ethyl Benzene
Concen: 16.051 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035321.D
Acq: 3 Aug 2020 16:08

Tgt Ion: 91 Resp: 6176925
Ion Ratio Lower Upper
91 100
106 34.4 26.3 39.5





#59

m/p-Xylene

Concen: 15.455 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

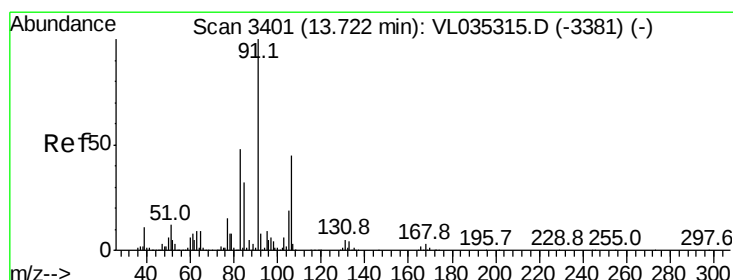
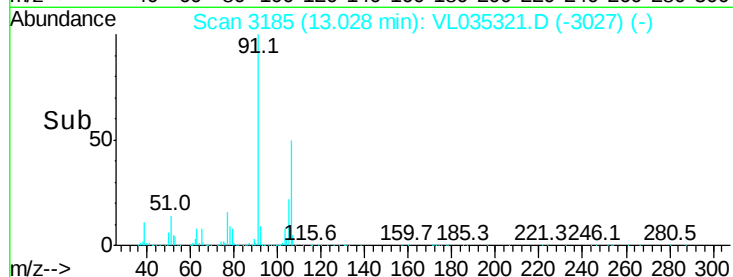
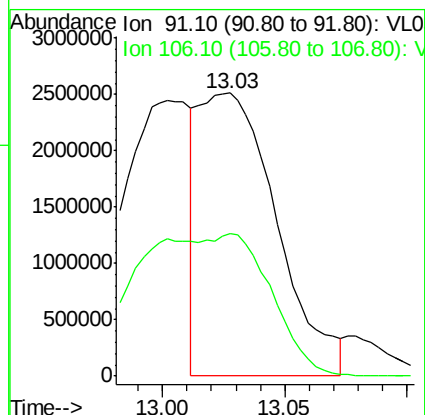
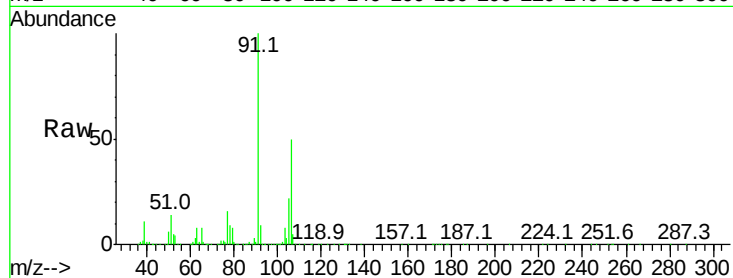
VSTDIC015

Tgt Ion: 91 Resp: 5536897

Ion Ratio Lower Upper

91 100

106 89.0 36.6 55.0#



#60

o-Xylene

Concen: 14.801 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VL035321.D

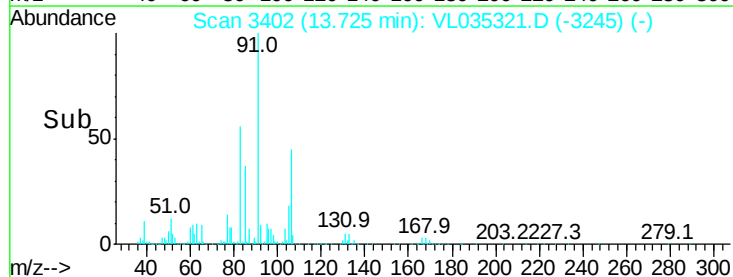
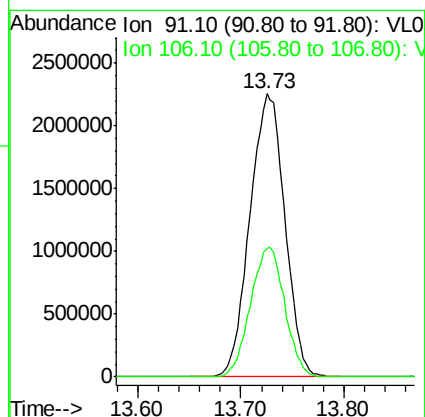
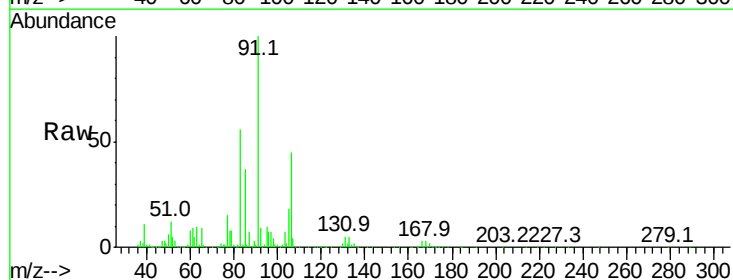
Acq: 3 Aug 2020 16:08

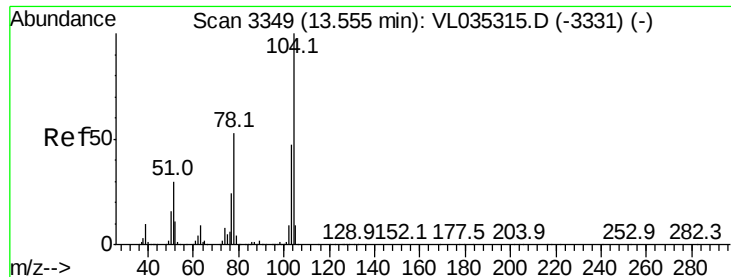
Tgt Ion: 91 Resp: 5290917

Ion Ratio Lower Upper

91 100

106 45.0 22.4 67.3





#61

Styrene

Concen: 17.481 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

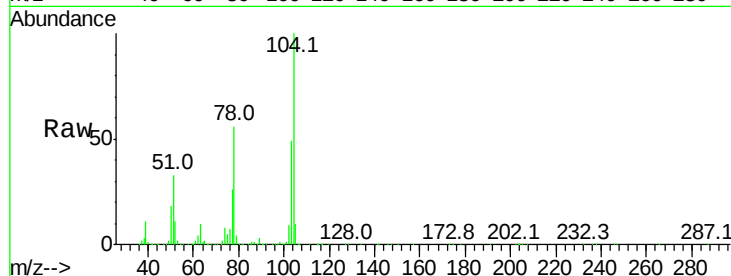
Tgt Ion:104 Resp: 3792764

Ion Ratio Lower Upper

104 100

78 55.2 43.1 64.7

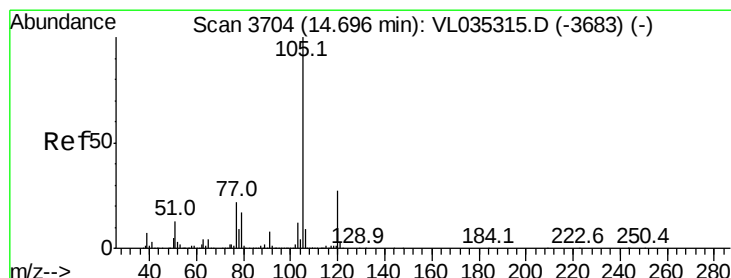
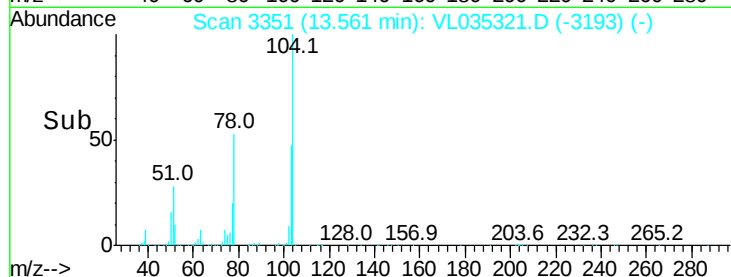
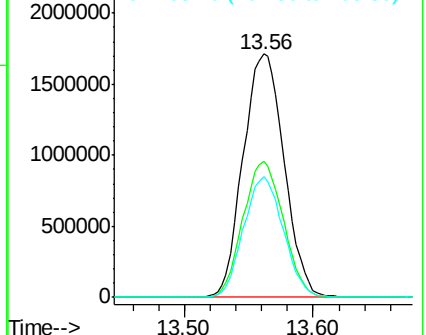
103 48.0 37.6 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 14.286 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035321.D

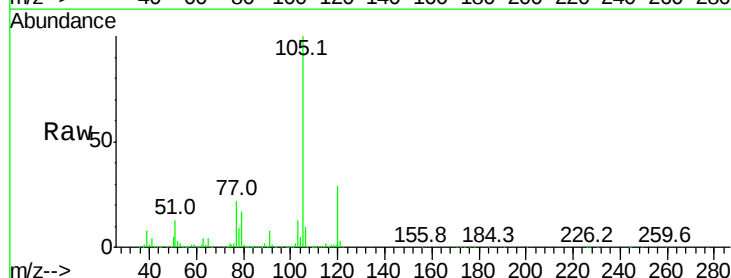
Acq: 3 Aug 2020 16:08

Tgt Ion:105 Resp: 7600410

Ion Ratio Lower Upper

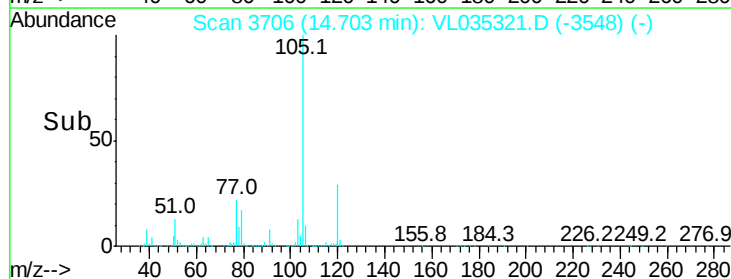
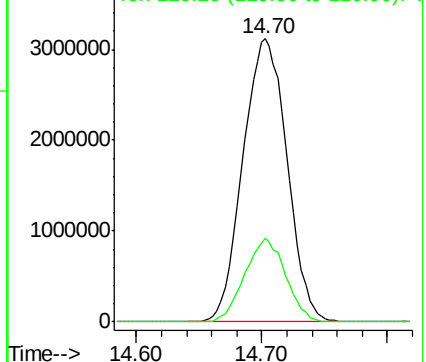
105 100

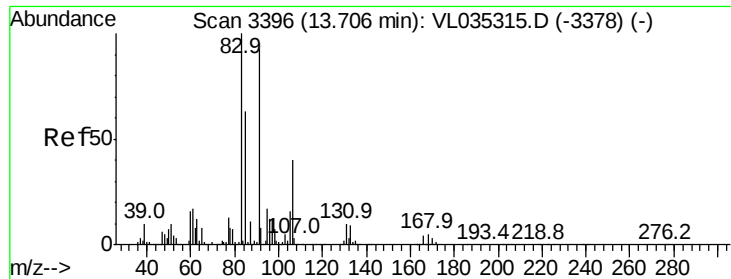
120 27.4 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

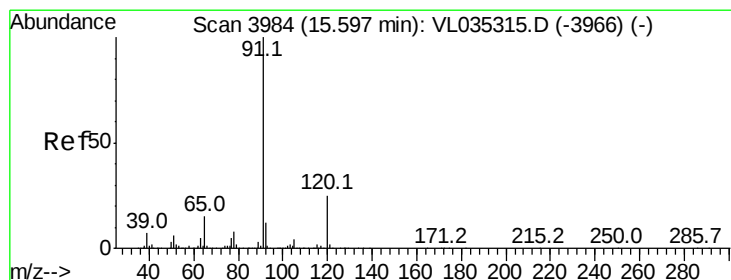
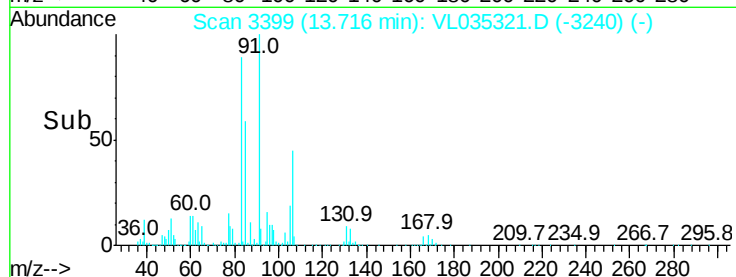
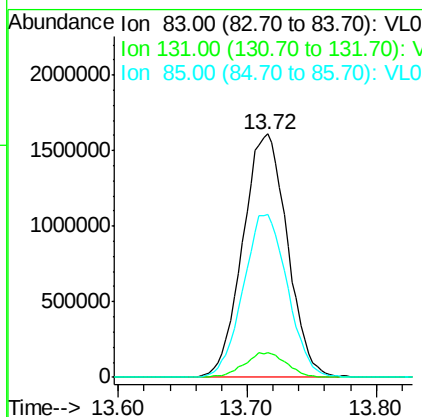
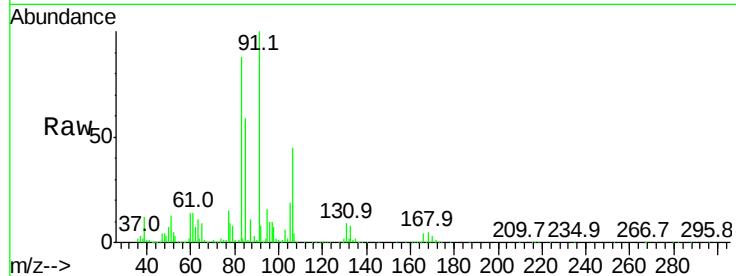




#63
 1,1,2,2-Tetrachloroethane
 Concen: 12.581 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

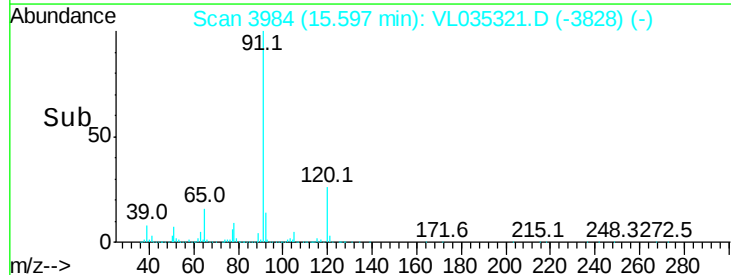
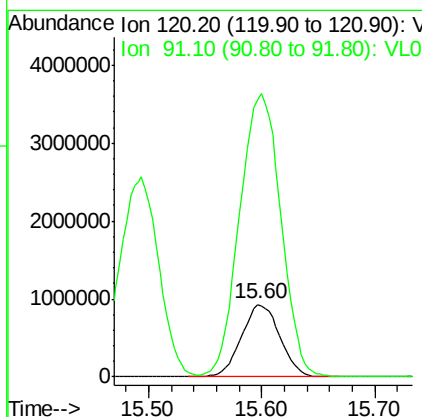
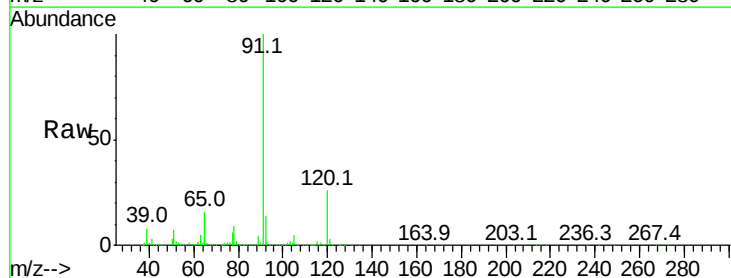
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

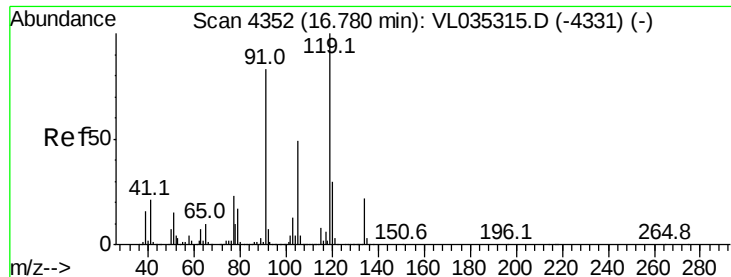
Tgt Ion: 83 Resp: 3869530
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.6 13.8
 85 66.6 32.6 97.7



#64
 n-propylbenzene
 Concen: 15.456 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 120 Resp: 2186325
 Ion Ratio Lower Upper
 120 100
 91 422.0 359.3 538.9

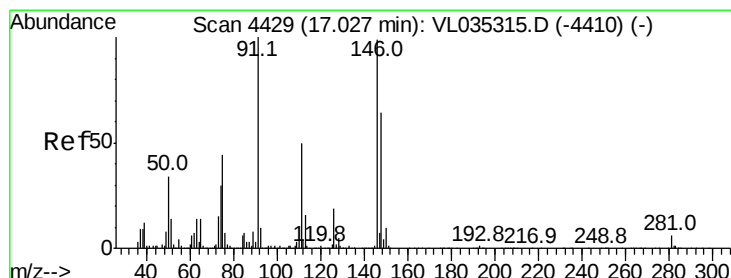
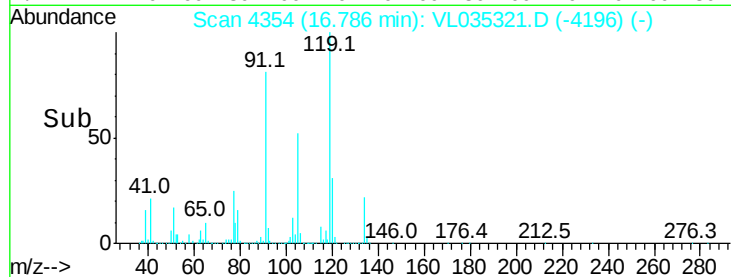
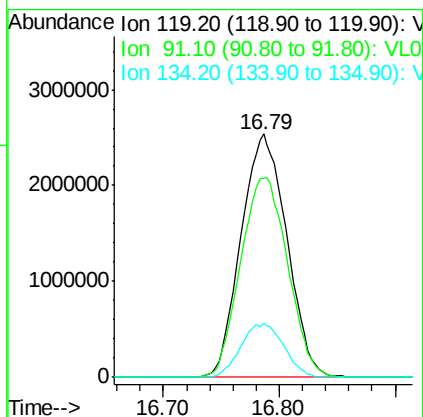
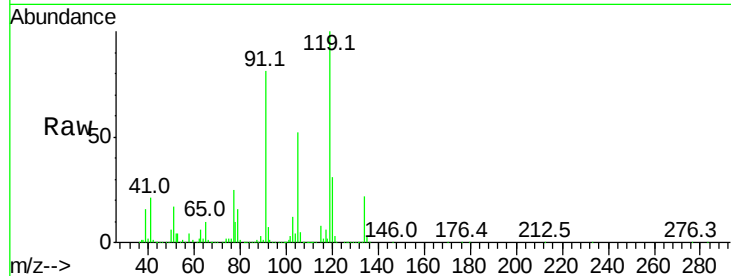




#65
 tert-Butylbenzene
 Concen: 14.384 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

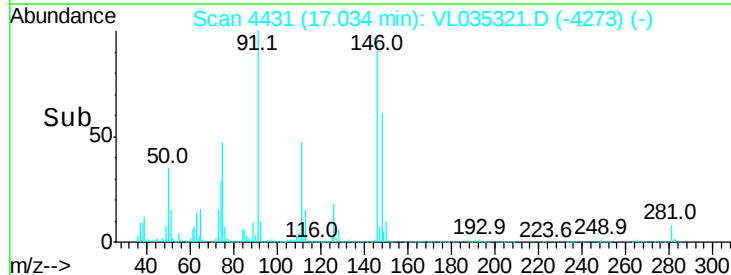
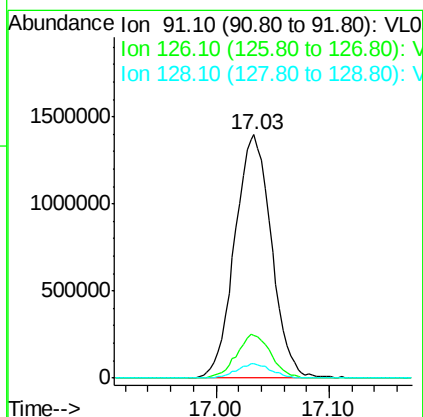
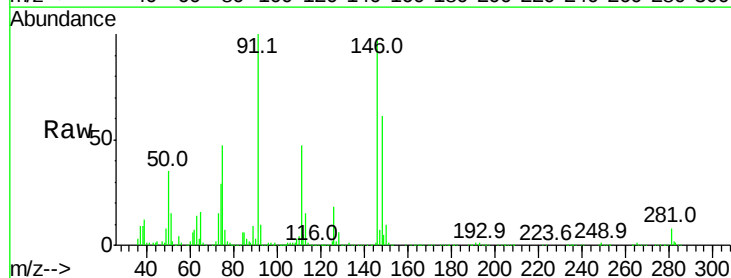
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

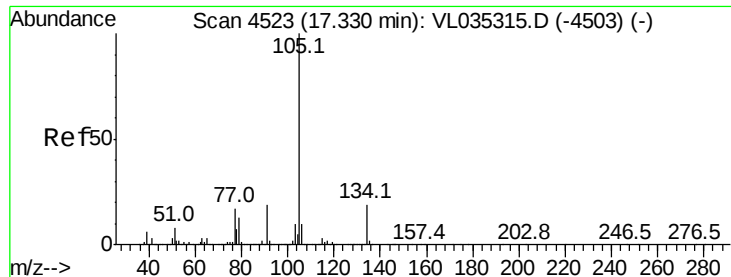
Tgt Ion: 119 Resp: 6932749
 Ion Ratio Lower Upper
 119 100
 91 84.8 67.8 101.8
 134 20.9 16.1 24.1



#66
 Benzyl Chloride
 Concen: 16.583 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 91 Resp: 3130465
 Ion Ratio Lower Upper
 91 100
 126 17.2 13.8 20.8
 128 5.6 4.2 6.4

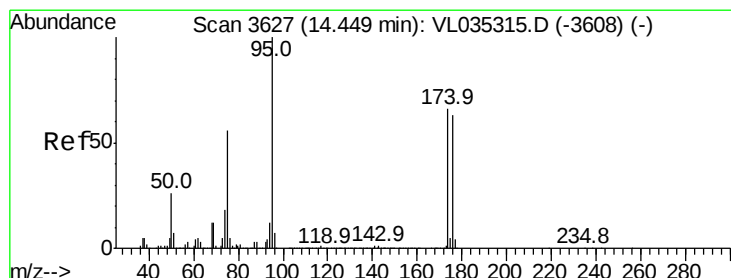
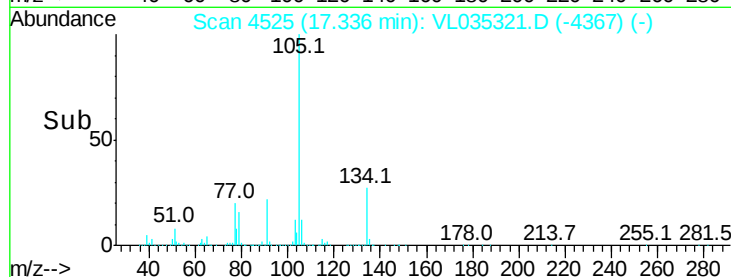
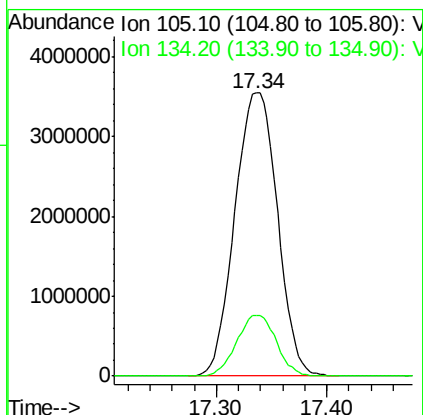
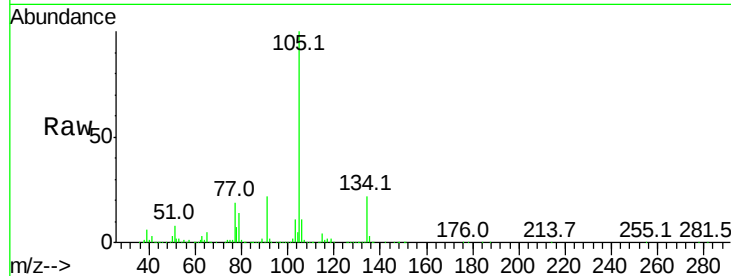




#67
 sec-Butylbenzene
 Concen: 13.426 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

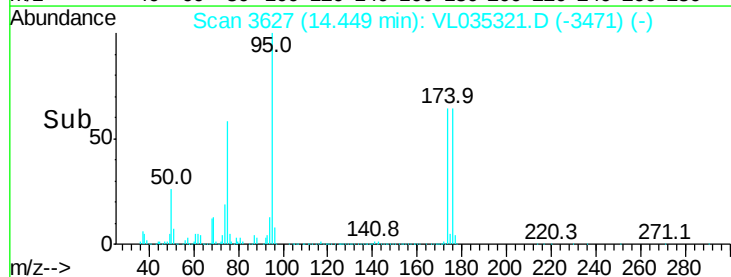
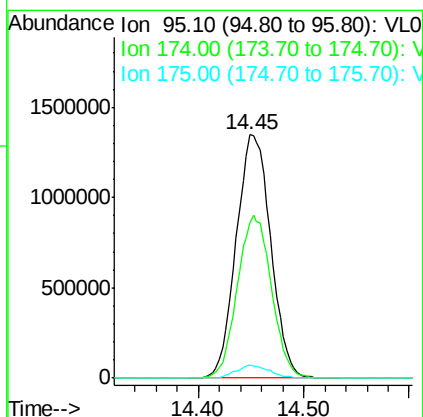
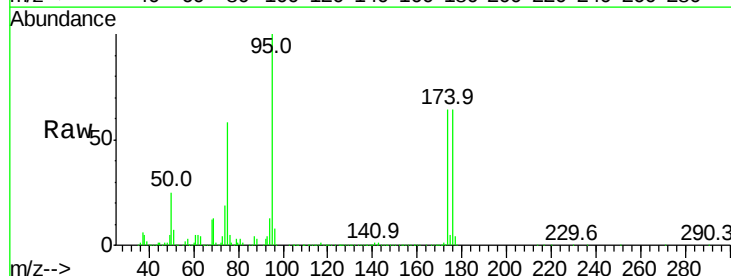
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

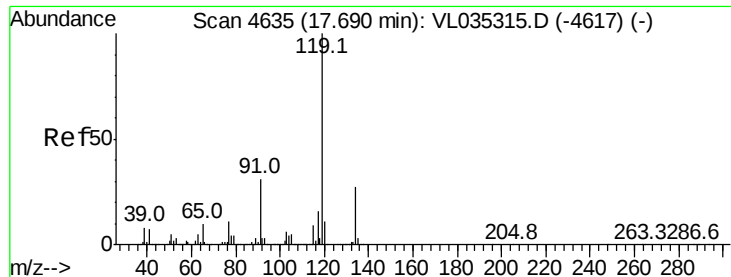
Tgt Ion: 105 Resp: 9454810
 Ion Ratio Lower Upper
 105 100
 134 20.1 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.562 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 95 Resp: 3066762
 Ion Ratio Lower Upper
 95 100
 174 65.9 52.5 78.7
 175 5.1 3.9 5.9

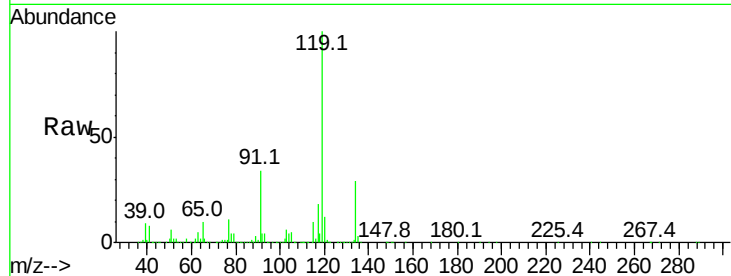




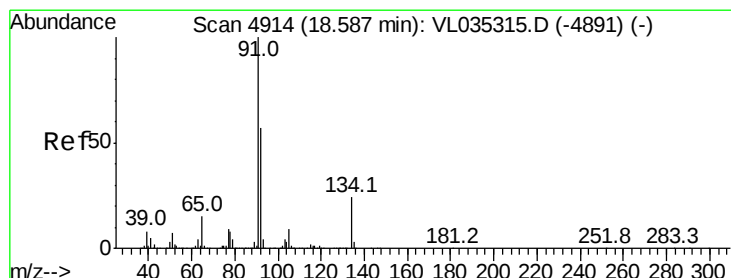
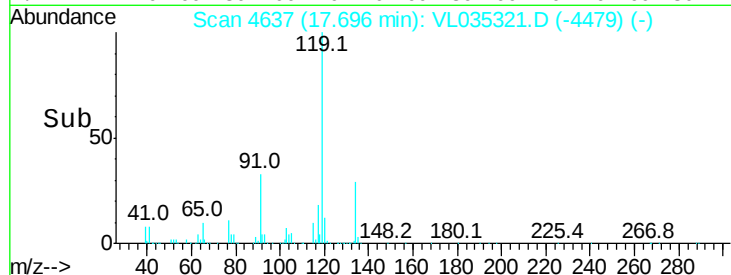
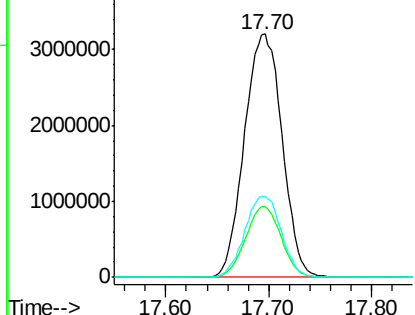
#69
 p-Isopropyltoluene
 Concen: 14.159 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 119 Resp: 8134411
 Ion Ratio Lower Upper
 119 100
 134 27.5 21.2 31.8
 91 32.4 25.3 37.9

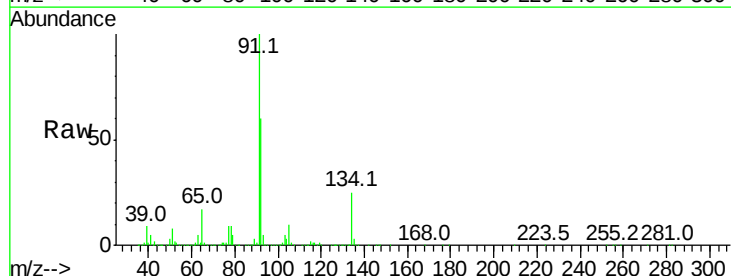


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

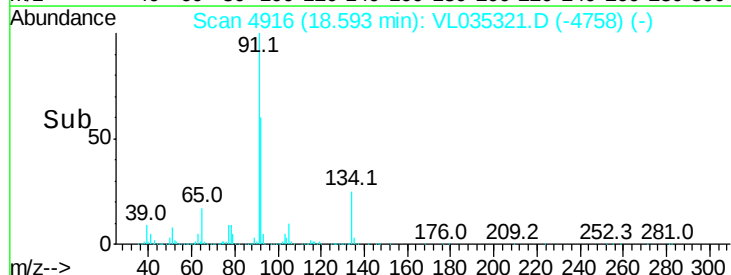
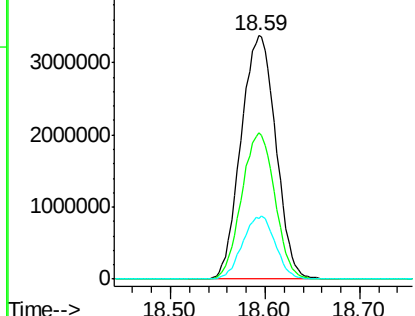


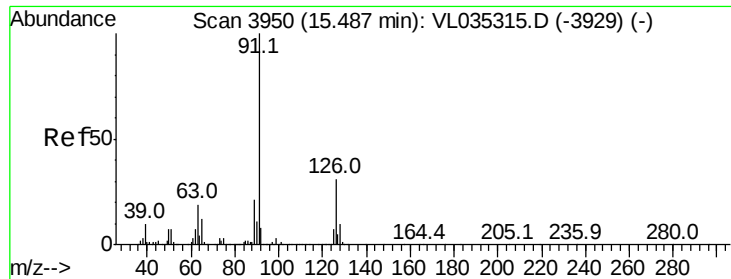
#70
 n-Butylbenzene
 Concen: 13.918 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Tgt Ion: 91 Resp: 8650270
 Ion Ratio Lower Upper
 91 100
 92 57.4 44.6 66.8
 134 24.3 18.6 27.8



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: 15.009 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

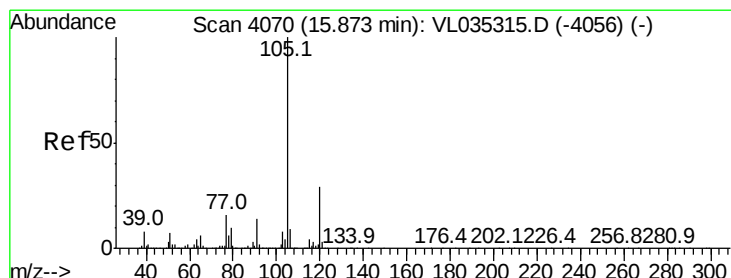
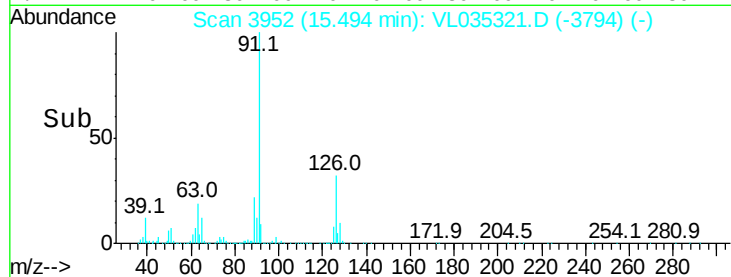
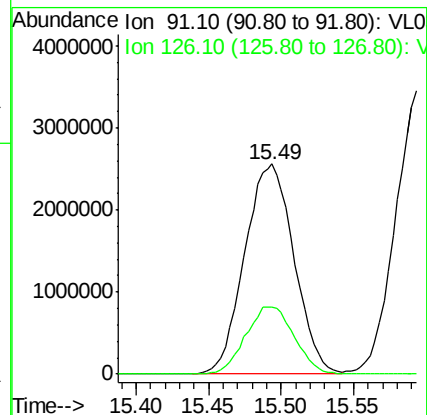
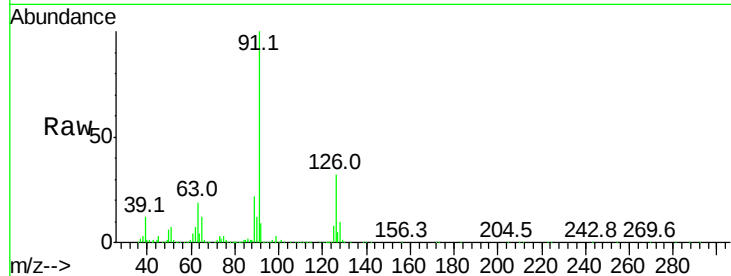
VSTDIC015

Tgt Ion: 91 Resp: 6021130

Ion Ratio Lower Upper

91 100

126 31.7 12.3 49.3



#72

4-Ethyltoluene

Concen: 15.575 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion:105 Resp: 6266241

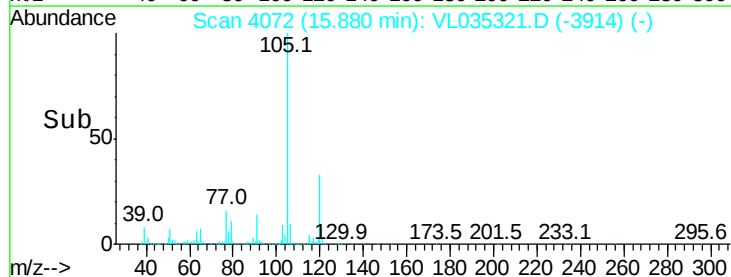
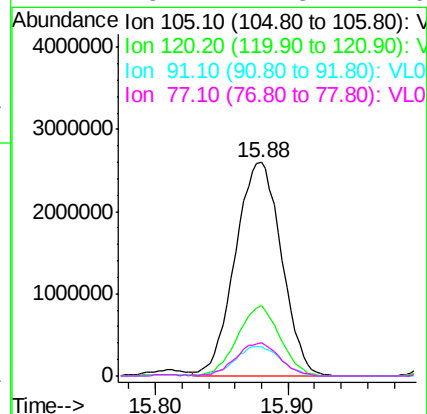
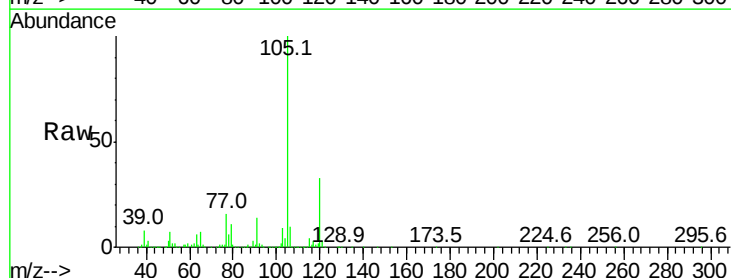
Ion Ratio Lower Upper

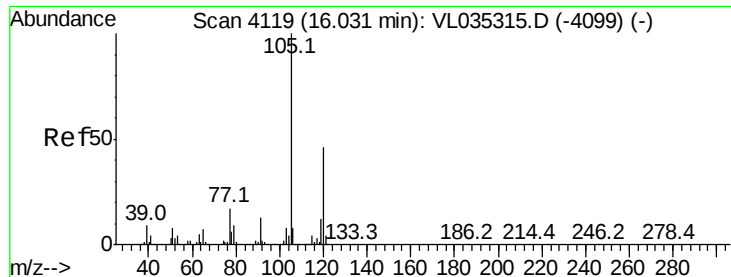
105 100

120 31.2 23.6 35.4

91 13.9 11.3 16.9

77 15.4 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 15.143 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

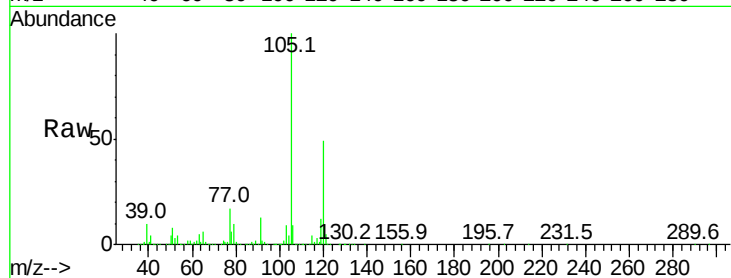
VSTDIC015

Tgt Ion:105 Resp: 5941660

Ion Ratio Lower Upper

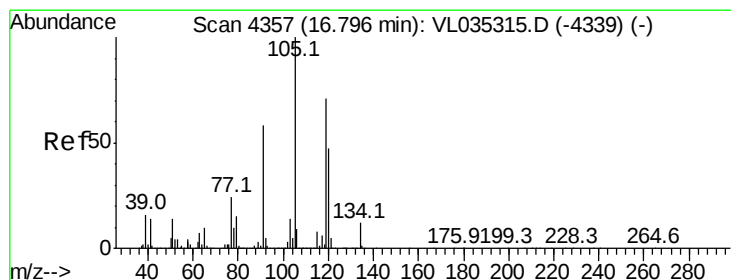
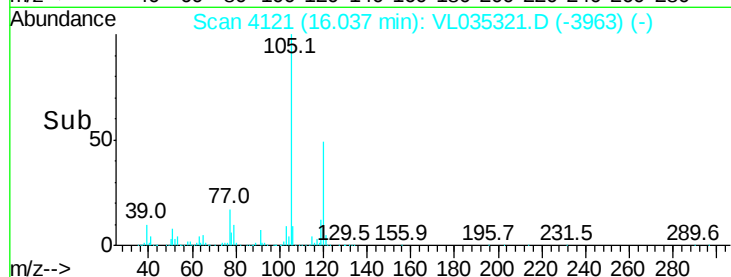
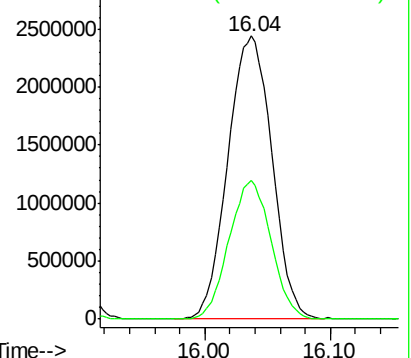
105 100

120 48.9 36.6 54.8



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: 13.574 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Tgt Ion:105 Resp: 6199827

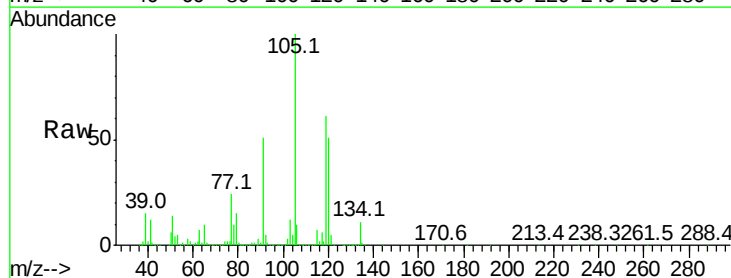
Ion Ratio Lower Upper

105 100

120 50.5 38.0 57.0

91 50.8 47.9 71.9

77 24.3 19.6 29.4

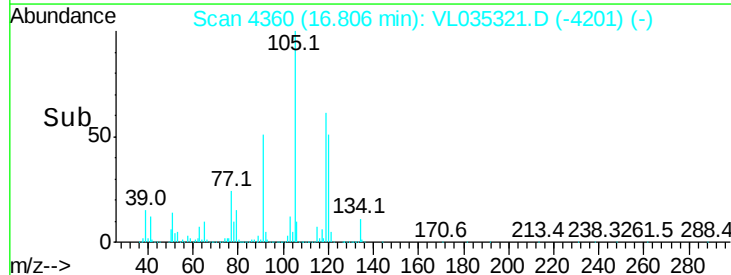
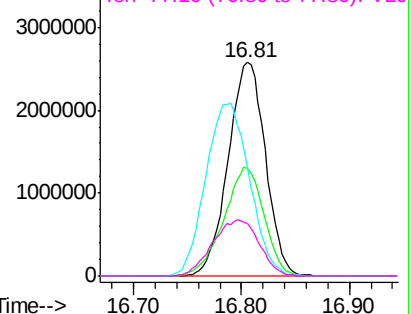


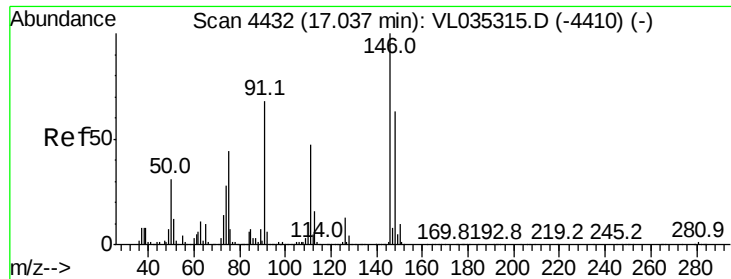
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 12.643 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

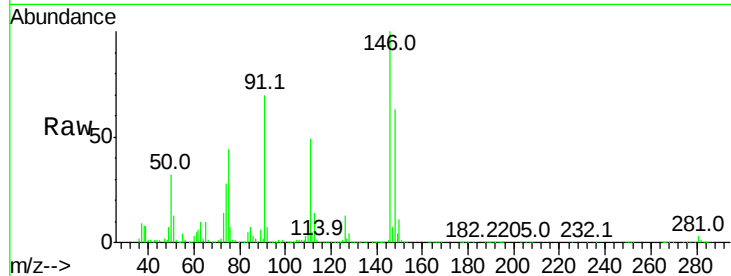
Tgt Ion:146 Resp: 3728547

Ion Ratio Lower Upper

146 100

111 48.5 24.2 72.6

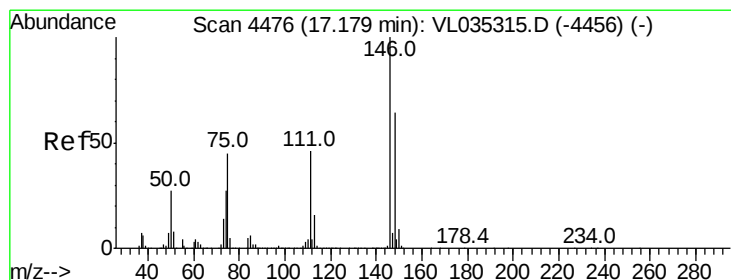
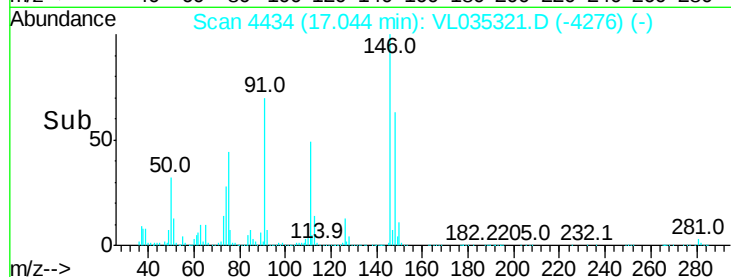
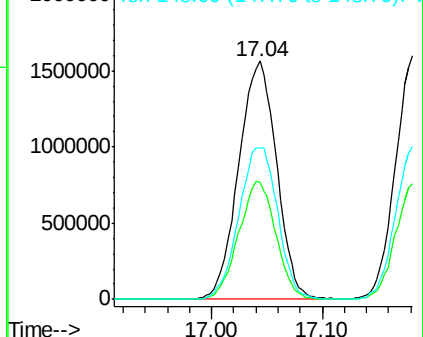
148 65.4 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 14.068 ppbv

RT: 17.18 min Scan# 4478

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

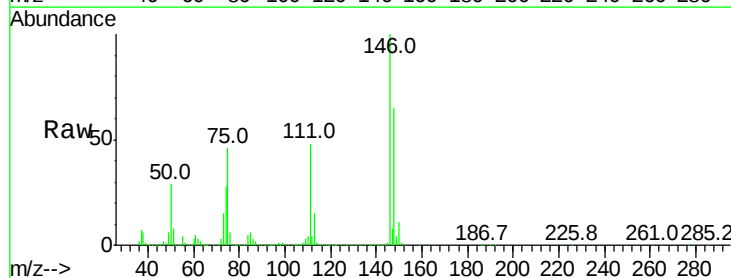
Tgt Ion:146 Resp: 3752770

Ion Ratio Lower Upper

146 100

111 47.3 23.6 70.8

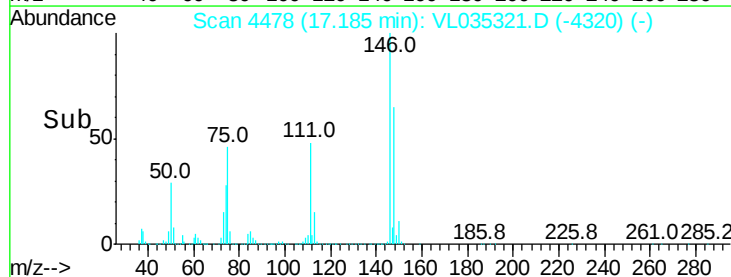
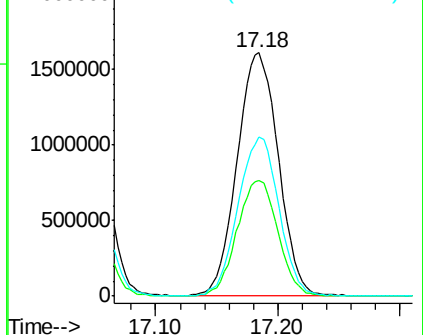
148 65.1 32.8 98.4

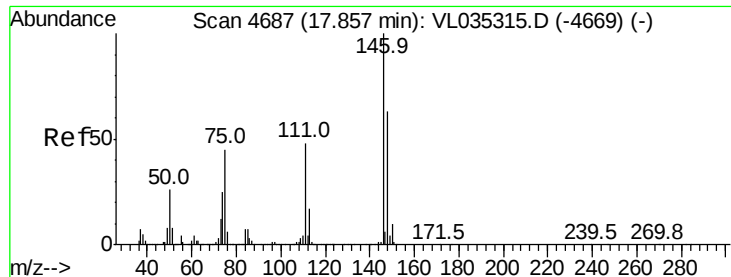


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 13.700 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.01 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

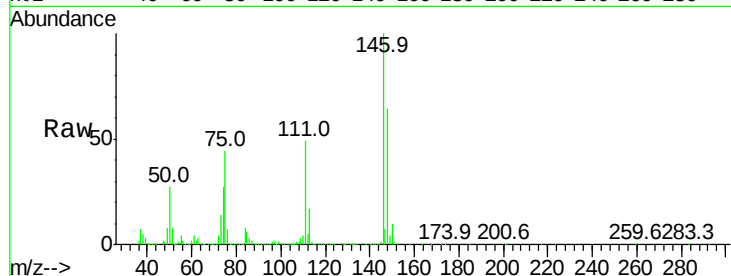
Tgt Ion:146 Resp: 3618961

Ion Ratio Lower Upper

146 100

111 49.6 24.6 73.6

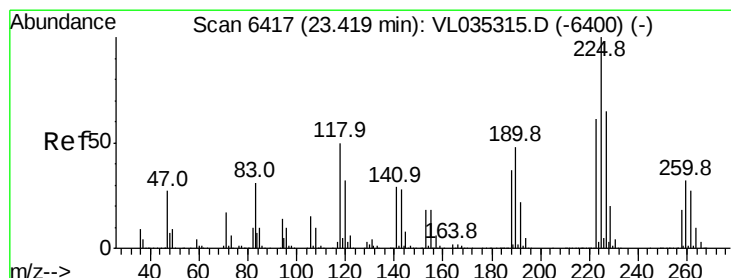
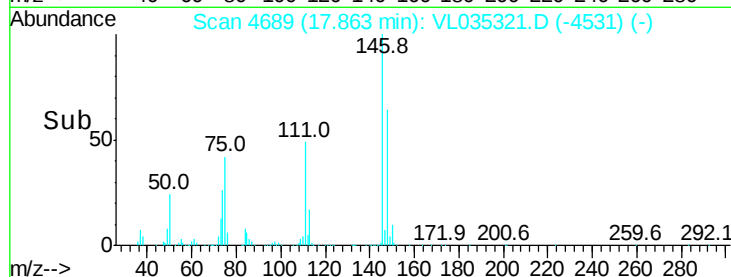
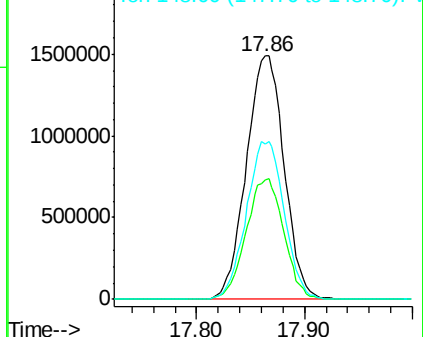
148 65.1 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 13.093 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

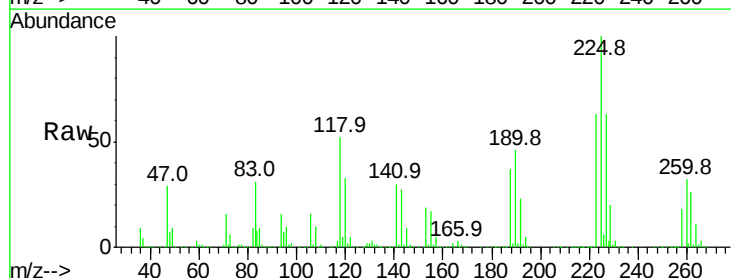
Tgt Ion:225 Resp: 2831001

Ion Ratio Lower Upper

225 100

223 63.7 50.2 75.4

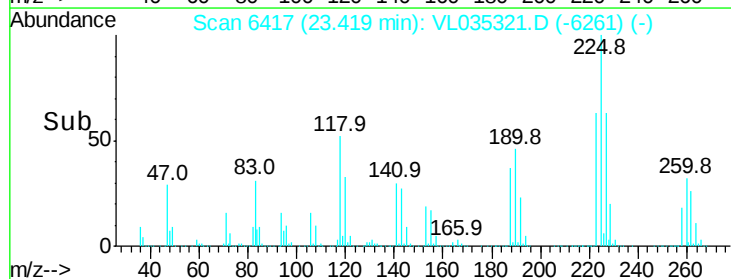
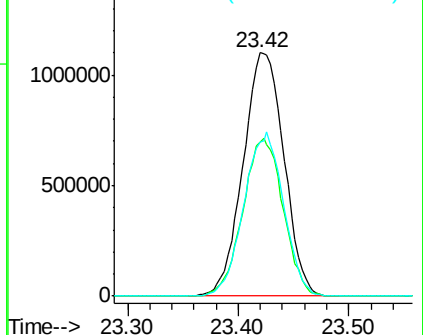
227 65.2 52.7 79.1

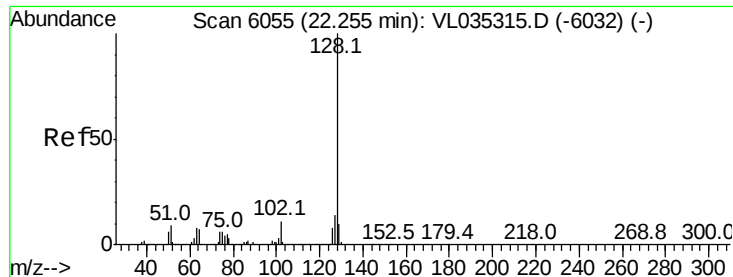


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 16.169 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

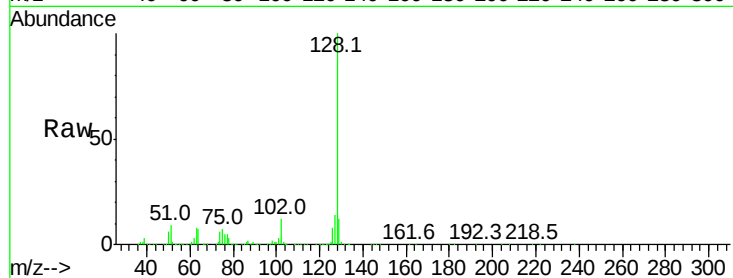
Tgt Ion:128 Resp: 5872846

Ion Ratio Lower Upper

128 100

127 14.0 10.8 16.2

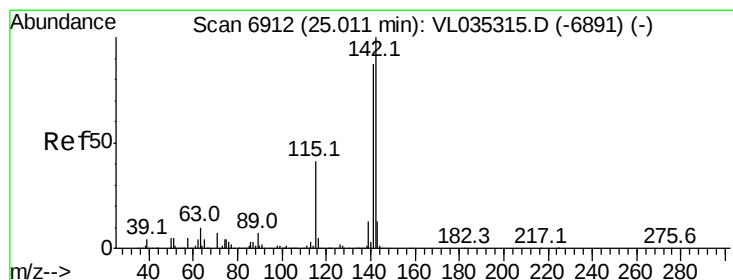
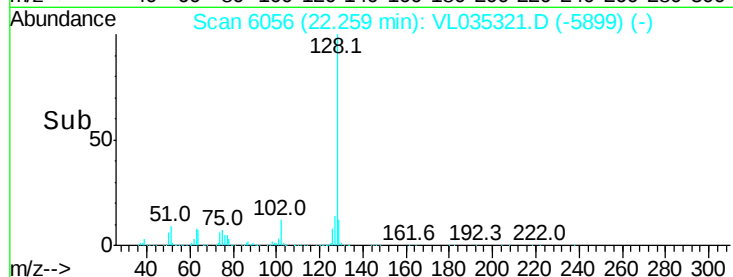
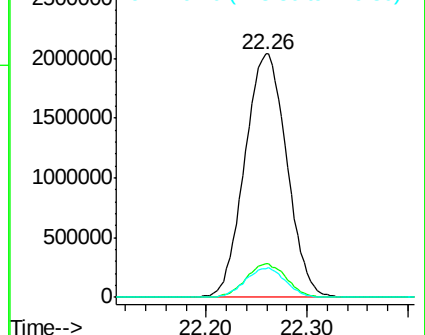
129 11.5 8.4 12.6



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: 19.827 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL035321.D

Acq: 3 Aug 2020 16:08

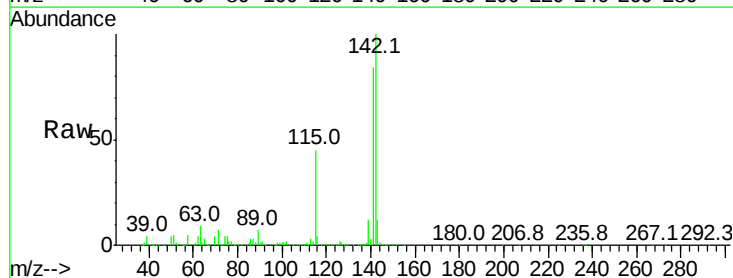
Tgt Ion:142 Resp: 2330634

Ion Ratio Lower Upper

142 100

141 85.5 68.3 102.5

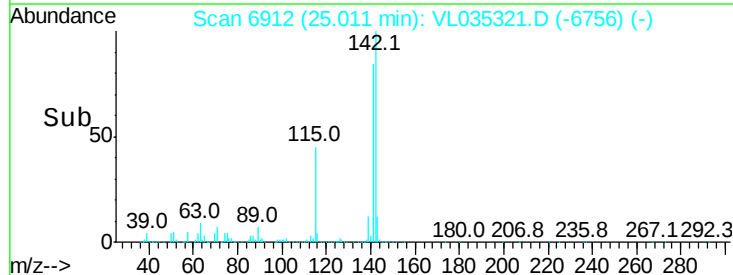
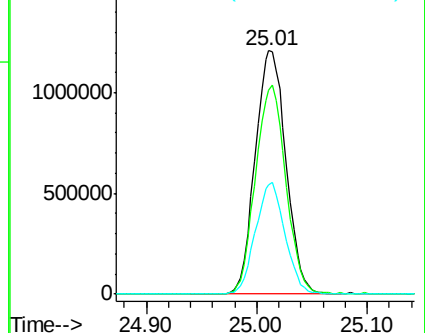
115 44.2 35.0 52.4

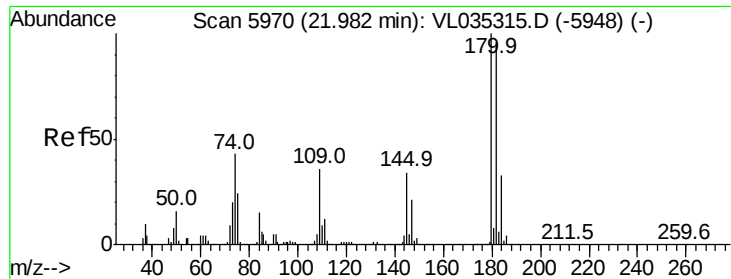


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

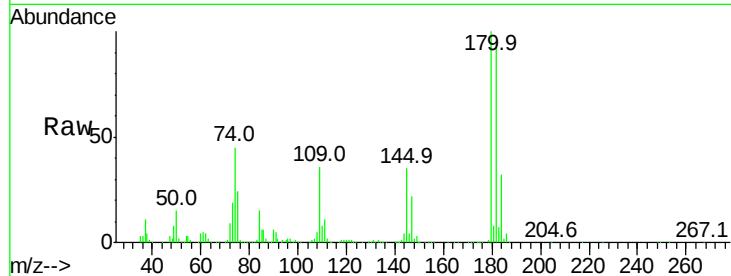




#81
 1,2,4-Trichlorobenzene
 Concen: 14.953 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. 0.01 min
 Lab File: VL035321.D
 Acq: 3 Aug 2020 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 3305957
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.9 115.3
 184 31.6 25.0 37.6



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

