

Data File : VL035317.D
Acq On : 3 Aug 2020 13:38
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Aug 03 15:06:20 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	5.65	49	1494950	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3738434	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3448660	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2949678	10.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.00	85	204252	1.144	ppbv	99
3) Chlorodifluoromethane	2.94	51	181235	1.095	ppbv	99
4) Chloromethane	3.10	50	100220	1.076	ppbv	100
5) Vinyl Chloride	3.21	62	100210	1.033	ppbv	96
6) Bromomethane	3.43	94	64223	1.072	ppbv	94
7) Chloroethane	3.52	64	39895	1.139	ppbv #	85
8) Dichlorotetrafluoroethane	3.14	85	254565	1.124	ppbv	100
9) Propene	2.96	41	58036	1.006	ppbv	99
10) Heptane	8.12	43	149729	0.959	ppbv	100
11) Trichlorofluoromethane	3.92	101	275958	1.149	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	195094	1.145	ppbv	92
13) Ethanol	3.57	45	18616	0.793	ppbv #	63
14) Bromoethene	3.70	108	76597	1.102	ppbv	96
15) Acetone	3.82	43	242705	1.217	ppbv	97
16) 1,3-Butadiene	3.29	39	73214	0.941	ppbv	87
17) tert-Butyl alcohol	4.26	59	132485	0.688	ppbv #	83
18) 1,1-Dichloroethene	4.26	96	82535	1.091	ppbv	88
19) Isopropyl Alcohol	3.94	45	144448	1.098	ppbv #	94
20) Methylene Chloride	4.32	84	111999	1.234	ppbv	83
21) Allyl Chloride	4.38	41	125726	1.107	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	83222	1.145	ppbv	86
23) Vinyl Acetate	5.05	43	217993	1.088	ppbv #	98
24) 1,1-Dichloroethane	4.98	63	203920	1.091	ppbv	98
25) Ethyl Acetate	5.66	43	331377	1.064	ppbv	99
26) Hexane	5.67	57	149206	1.062	ppbv	98
27) Carbon Disulfide	4.53	76	193393	1.019	ppbv #	86
28) Methyl tert-Butyl Ether	5.02	73	220313	1.097	ppbv	100
29) Chloroform	5.74	83	254253	1.079	ppbv	86
30) Cyclohexane	7.13	84	92277	0.919	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	127339	1.040	ppbv #	94
32) 1,1,1-Trichloroethane	6.50	97	116975	0.485	ppbv #	19
34) 2-Butanone	5.23	43	188481	0.991	ppbv	100
35) Carbon Tetrachloride	7.02	117	238685	0.954	ppbv	98
36) Benzene	6.89	78	261253	1.006	ppbv	98
37) 1,2-Dichloroethane	6.30	62	179832	0.990	ppbv	100
38) Trichloroethene	7.84	130	101096	0.939	ppbv	94
39) 1,2-Dichloropropane	7.61	63	102661	0.990	ppbv	89
41) Tetrahydrofuran	6.05	42	88550	0.950	ppbv	98
42) Bromodichloromethane	7.79	83	246350	1.016	ppbv	99
43) Methyl Methacrylate	8.02	69	100506	0.893	ppbv	96
44) 2,2,4-Trimethylpentane	7.87	57	457789	1.000	ppbv	99

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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

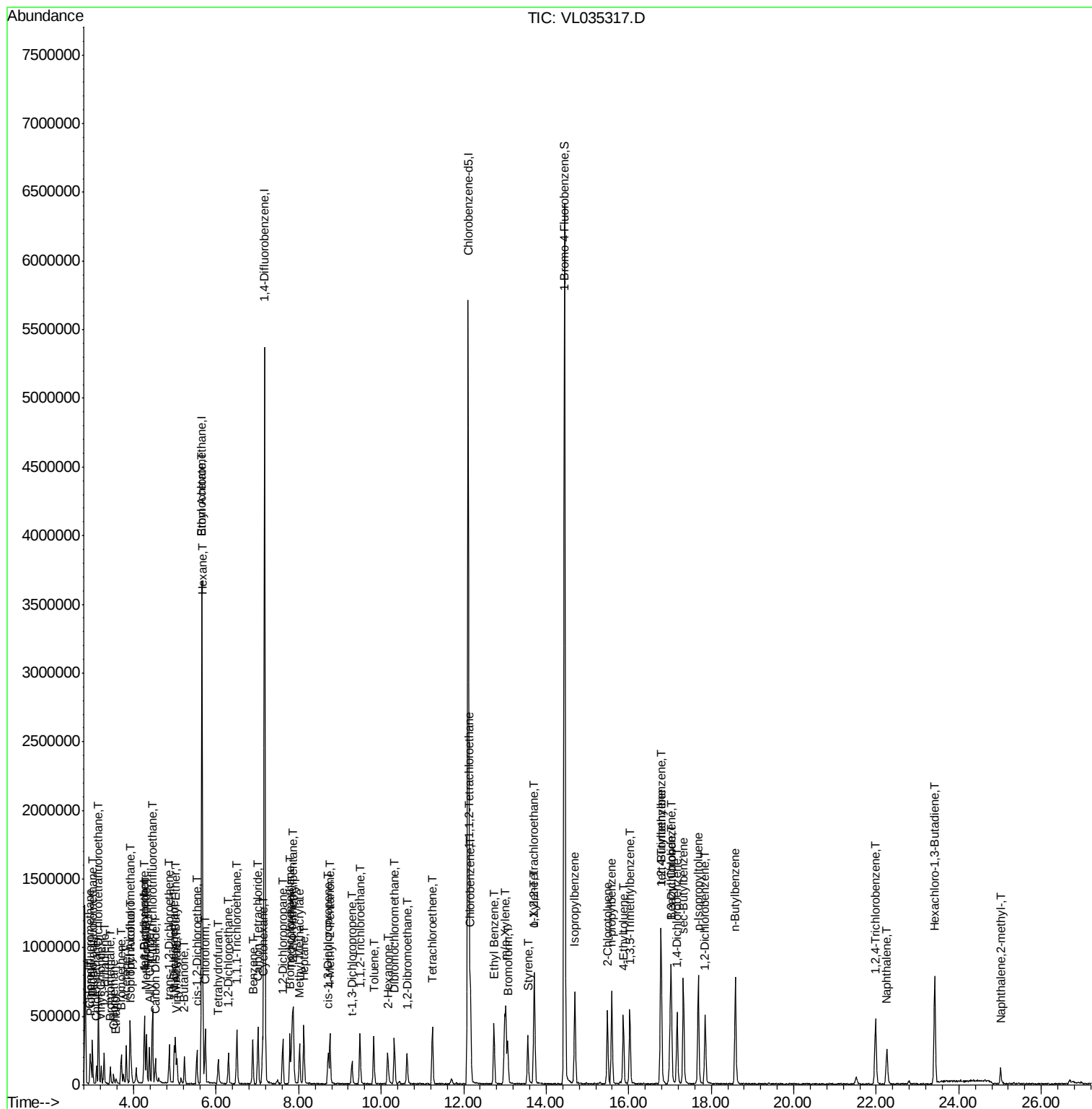
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45) t-1,3-Dichloropropene	9.29	75	95934	0.846	ppbv	92
46) cis-1,3-Dichloropropene	8.71	75	121739	0.881	ppbv	90
47) 1,1,2-Trichloroethane	9.49	97	121774	0.994	ppbv	90
48) Dibromochloromethane	10.32	129	182116	0.944	ppbv	100
49) Bromoform	13.07	173	156968	0.905	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	259782	0.942	ppbv	97
51) 2-Hexanone	10.16	43	184794	0.884	ppbv #	94
52) Tetrachloroethene	11.23	164	37740	0.381	ppbv	93
53) Toluene	9.82	91	245743	0.890	ppbv	99
54) 1,2-Dibromoethane	10.62	107	101060	0.571	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.14	131	162656	1.026	ppbv #	1
57) Chlorobenzene	12.17	112	154648	0.596	ppbv	95
58) Ethyl Benzene	12.73	91	187407	0.513	ppbv	98
59) m/p-Xylene	13.02	91	320717	0.943	ppbv #	24
60) o-Xylene	13.72	91	340116	1.003	ppbv	96
61) Styrene	13.55	104	175020	0.850	ppbv	95
62) Isopropylbenzene	14.70	105	526085	1.042	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	285762	0.979	ppbv	100
64) n-propylbenzene	15.59	120	73797	0.550	ppbv #	1
65) tert-Butylbenzene	16.78	119	464041	1.014	ppbv	96
66) Benzyl Chloride	17.02	91	96306	0.538	ppbv #	79
67) sec-Butylbenzene	17.33	105	669533	1.002	ppbv	98
69) p-Isopropyltoluene	17.69	119	546966	1.003	ppbv	97
70) n-Butylbenzene	18.59	91	589255	0.999	ppbv	94
71) 2-Chlorotoluene	15.48	91	371569	0.976	ppbv	97
72) 4-Ethyltoluene	15.87	105	370688	0.971	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	378259	1.016	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	448454	1.034	ppbv	92
75) 1,3-Dichlorobenzene	17.03	146	280938	1.004	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	125165	0.494	ppbv #	21
77) 1,2-Dichlorobenzene	17.85	146	251780	1.004	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	118897	0.579	ppbv #	29
79) Naphthalene	22.26	128	299238	0.868	ppbv	97
80) Naphthalene,2-methyl-	25.01	142	59452	0.533	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	110599	0.527	ppbv #	30

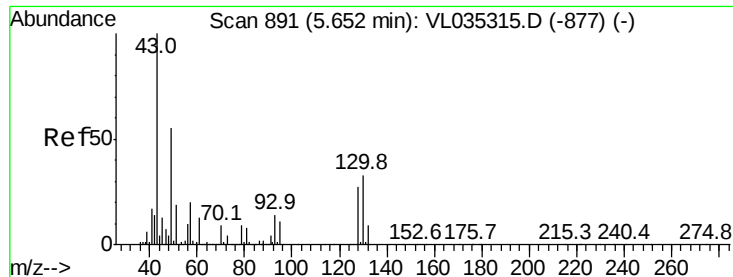
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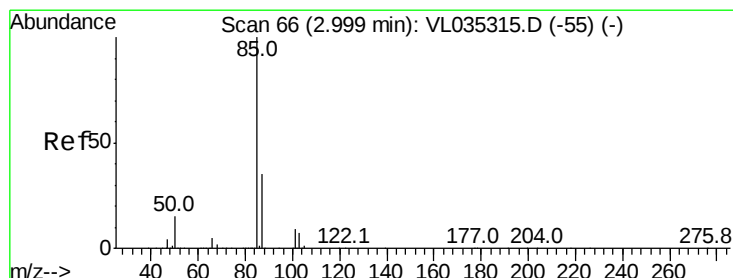
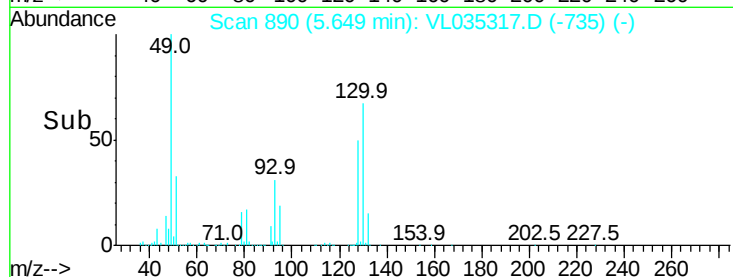
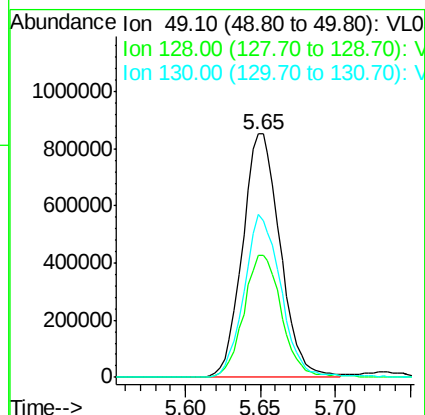
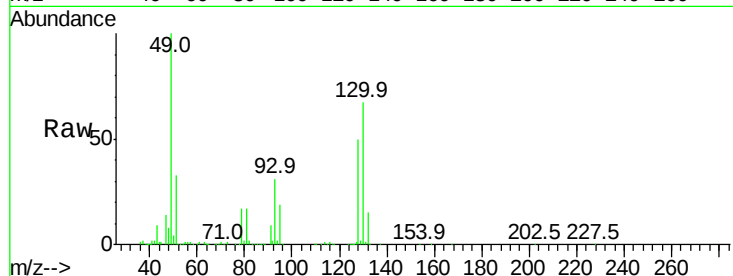




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VL035317.D
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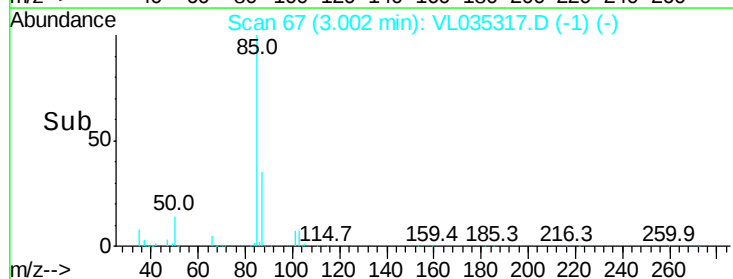
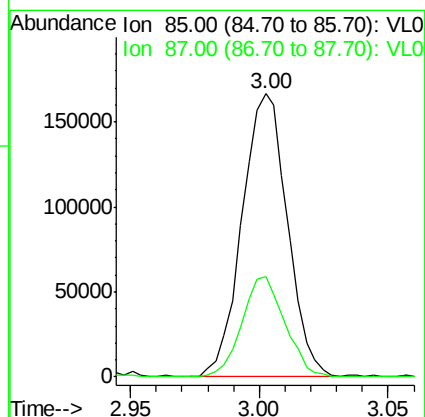
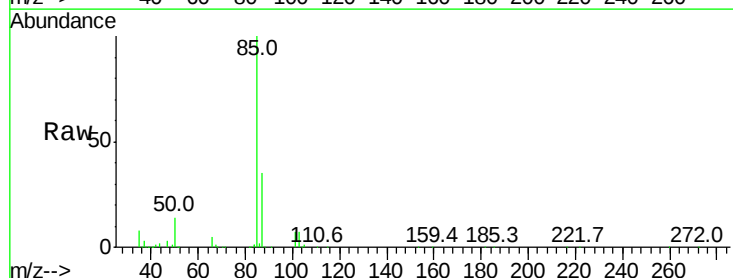
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

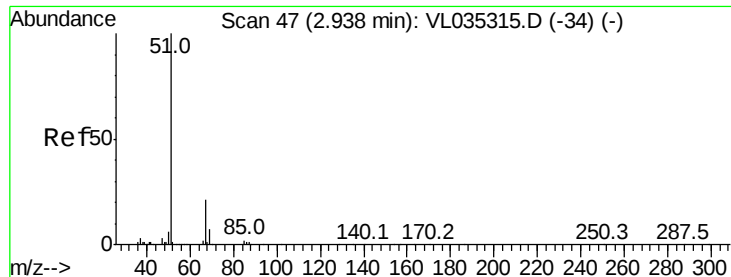
Tgt Ion: 49 Resp: 1494950
 Ion Ratio Lower Upper
 49 100
 128 50.8 23.8 71.5
 130 65.5 31.4 94.3



#2
 Dichlorodifluoromethane
 Concen: 1.144 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Tgt Ion: 85 Resp: 204252
 Ion Ratio Lower Upper
 85 100
 87 35.3 27.8 41.6

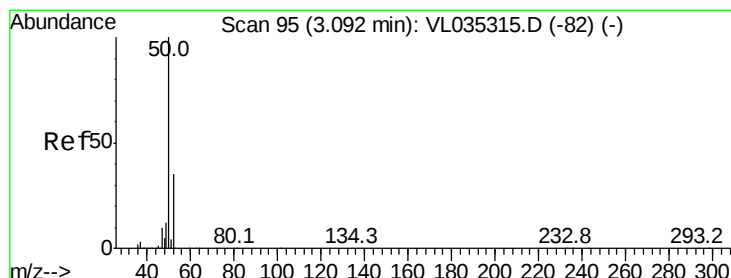
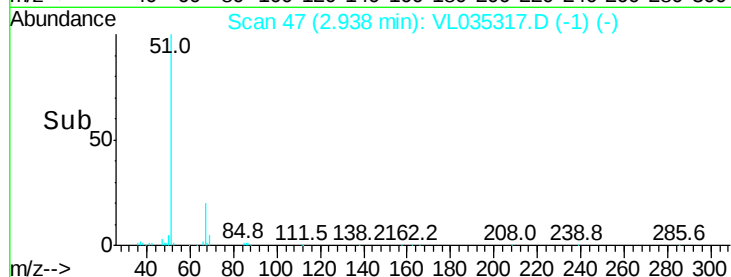
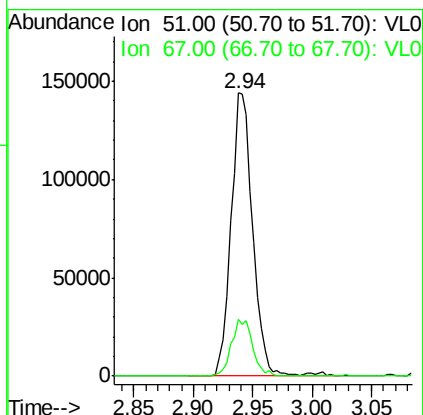
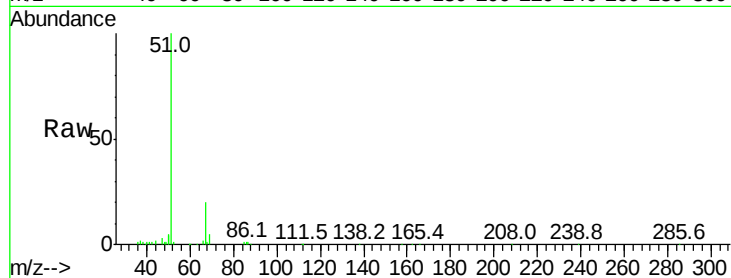




#3
Chlorodifluoromethane
Concen: 1.095 ppbv
RT: 2.94 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL035317.D
Acq: 3 Aug 2020 13:38

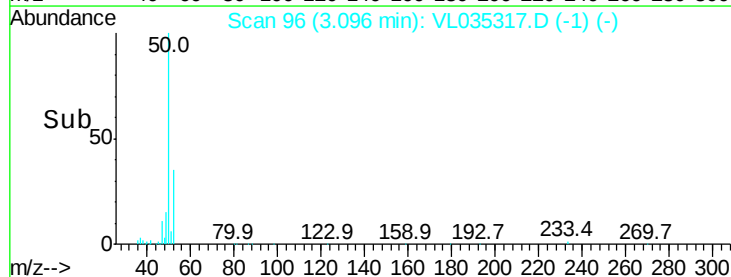
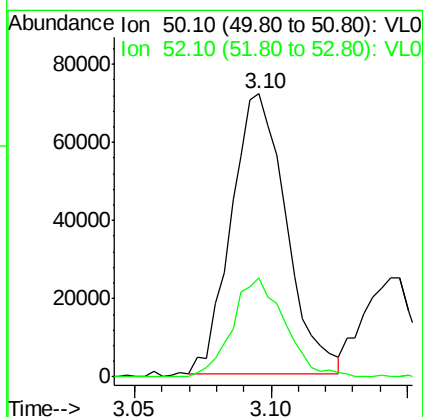
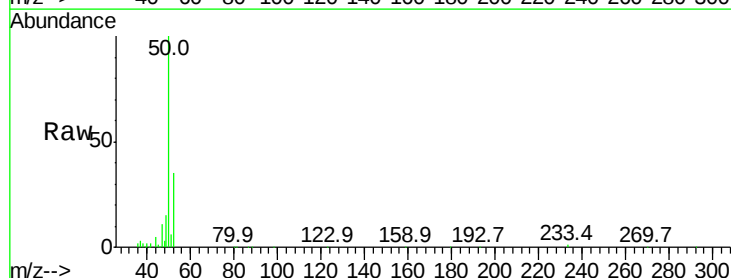
Instrument :
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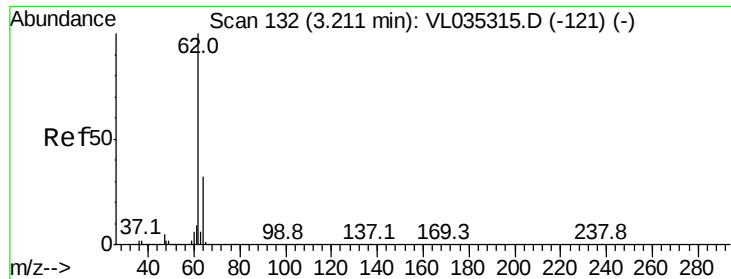
Tgt Ion: 51 Resp: 181235
Ion Ratio Lower Upper
51 100
67 19.6 16.2 24.2



#4
Chloromethane
Concen: 1.076 ppbv
RT: 3.10 min Scan# 96
Delta R.T. 0.00 min
Lab File: VL035317.D
Acq: 3 Aug 2020 13:38

Tgt Ion: 50 Resp: 100220
Ion Ratio Lower Upper
50 100
52 35.1 27.8 41.8





#5

Vinyl Chloride

Concen: 1.033 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

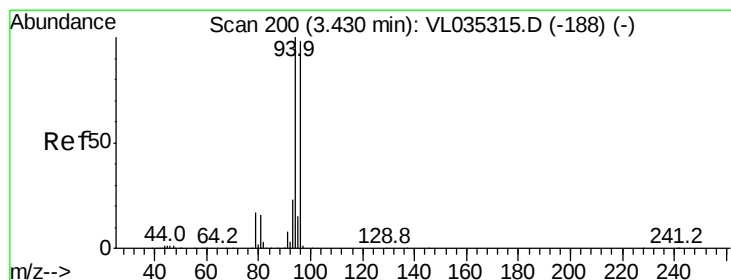
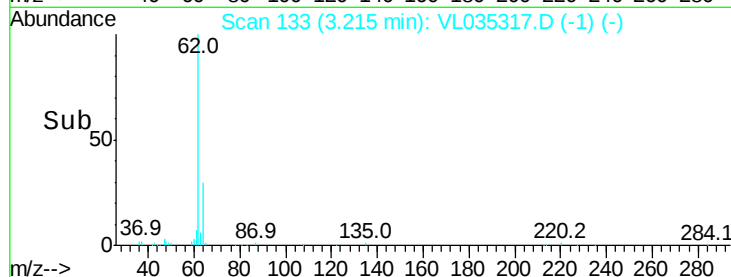
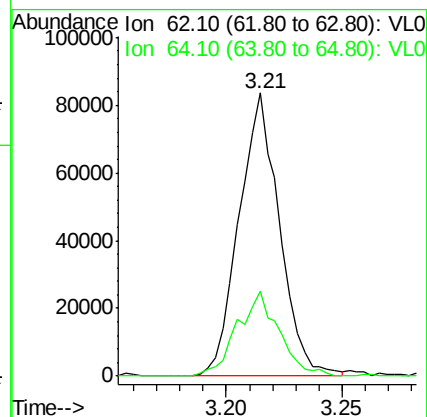
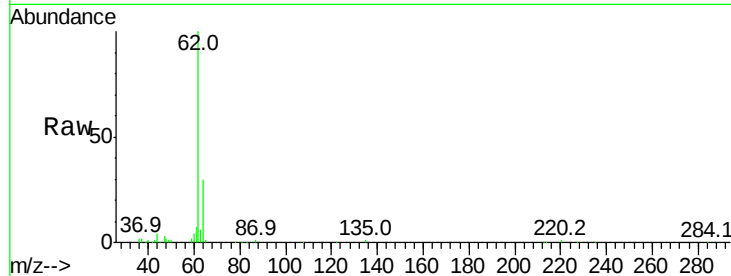
VSTDIC001

Tgt Ion: 62 Resp: 100210

Ion Ratio Lower Upper

62 100

64 30.0 25.9 38.9



#6

Bromomethane

Concen: 1.072 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035317.D

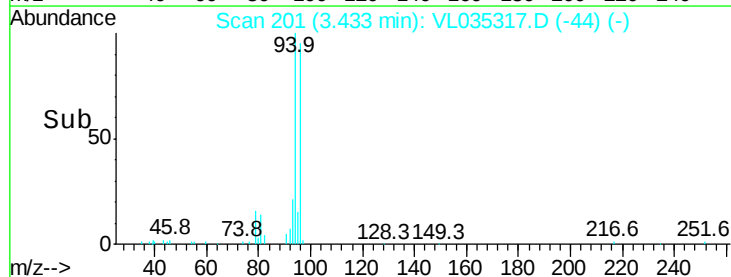
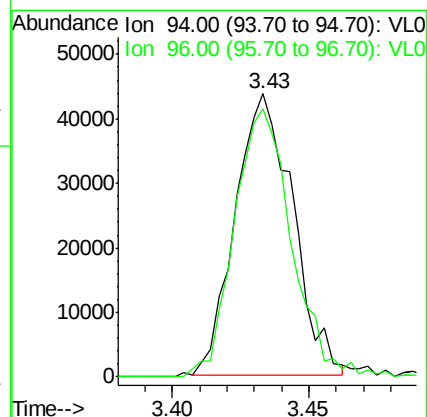
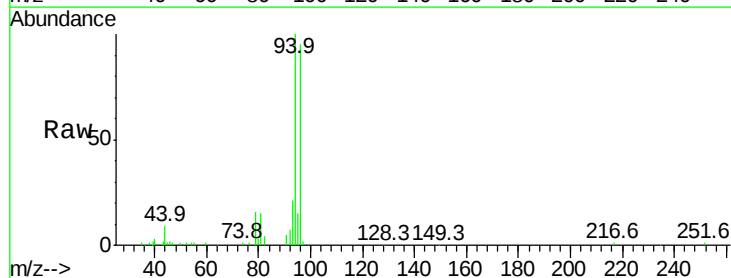
Acq: 3 Aug 2020 13:38

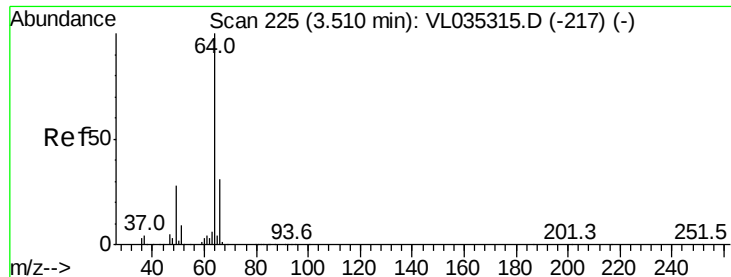
Tgt Ion: 94 Resp: 64223

Ion Ratio Lower Upper

94 100

96 92.6 78.6 117.8





#7

Chloroethane

Concen: 1.139 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

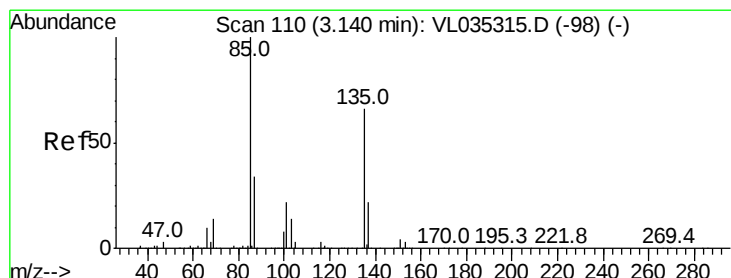
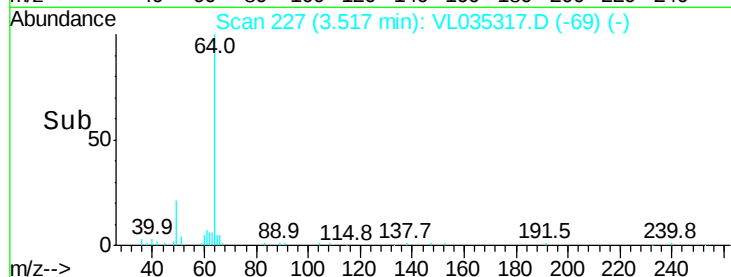
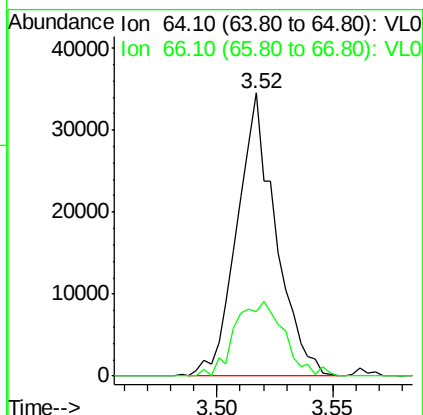
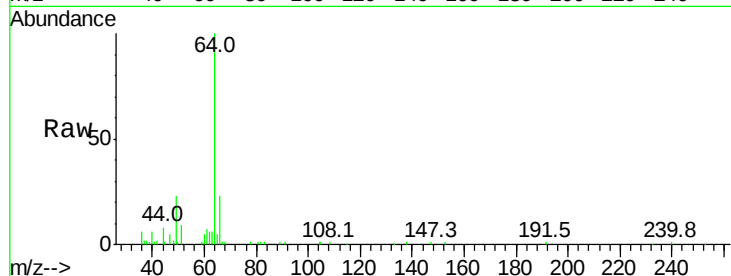
VSTDIC001

Tgt Ion: 64 Resp: 39895

Ion Ratio Lower Upper

64 100

66 22.8 24.9 37.3#



#8

Dichlorotetrafluoroethane

Concen: 1.124 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035317.D

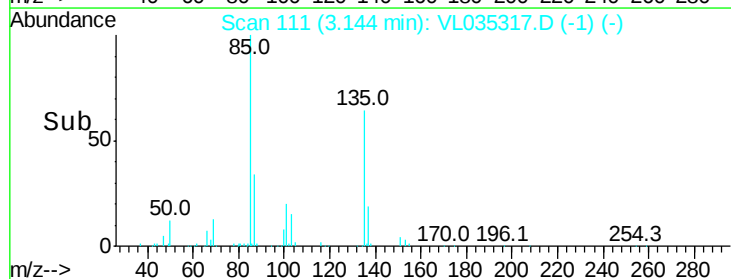
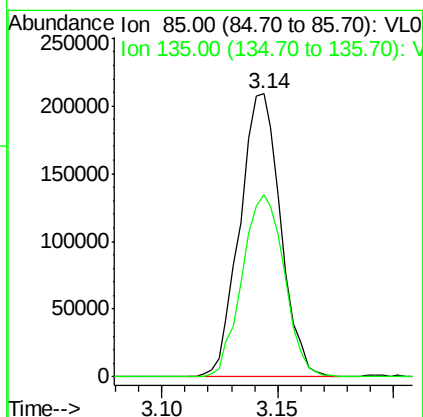
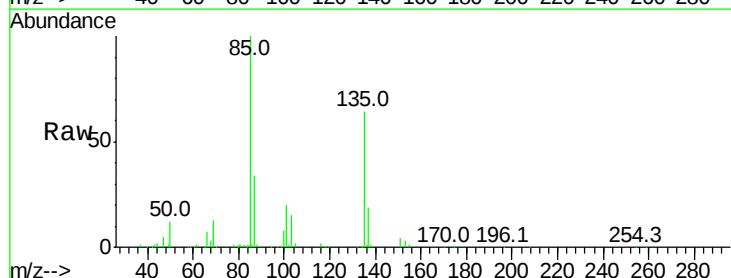
Acq: 3 Aug 2020 13:38

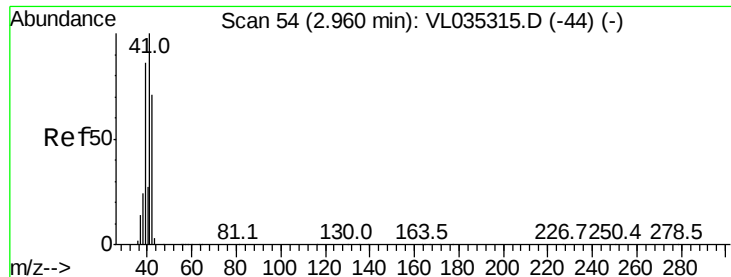
Tgt Ion: 85 Resp: 254565

Ion Ratio Lower Upper

85 100

135 66.8 53.4 80.0





#9

Propene

Concen: 1.006 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

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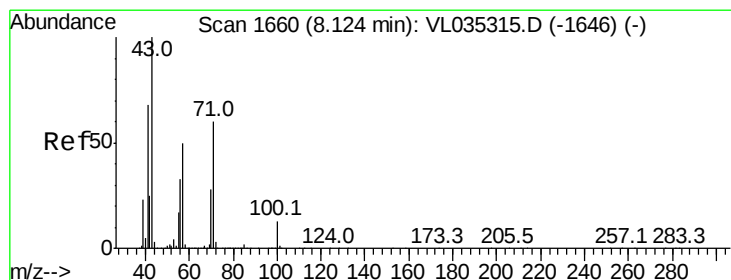
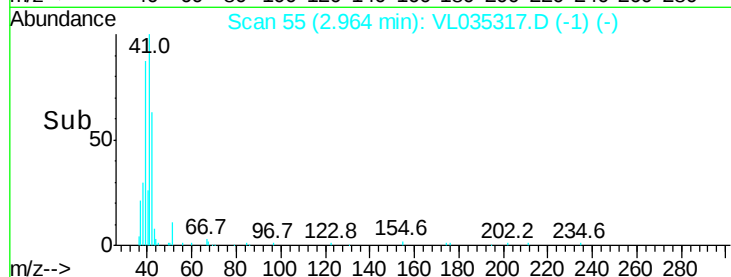
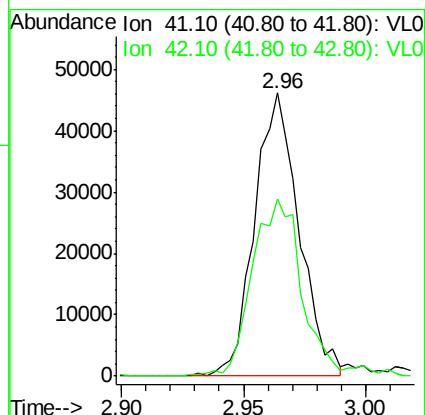
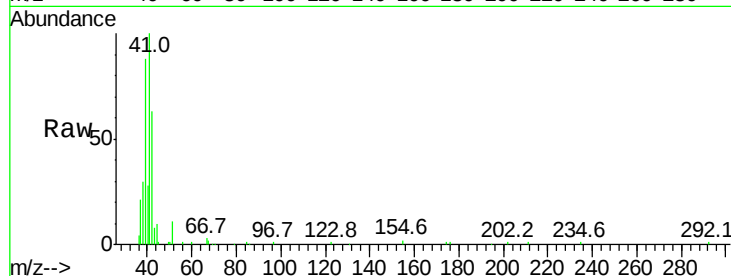
VSTDIC001

Tgt Ion: 41 Resp: 58036

Ion Ratio Lower Upper

41 100

42 71.9 56.8 85.2



#10

Heptane

Concen: 0.959 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL035317.D

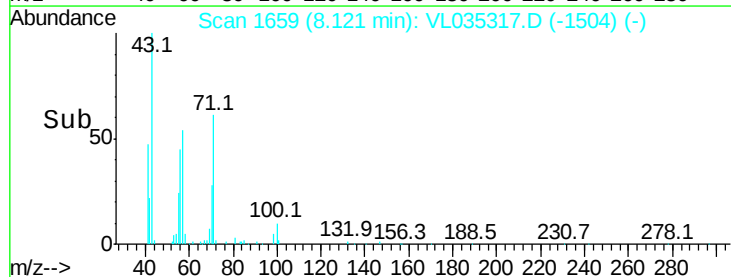
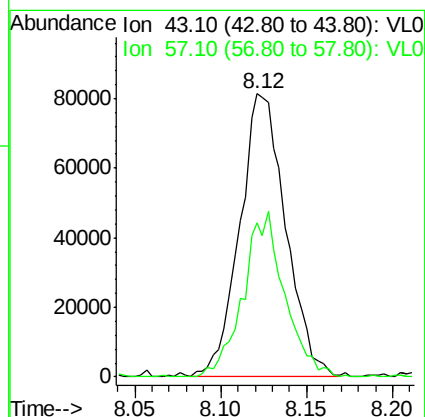
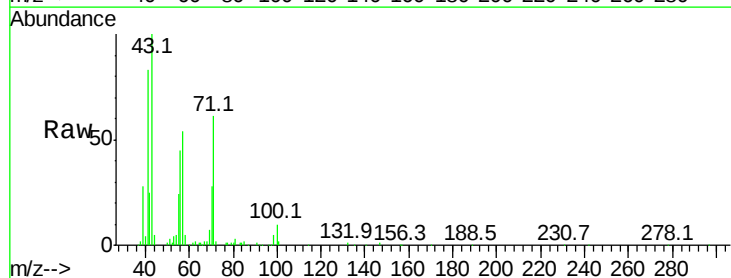
Acq: 3 Aug 2020 13:38

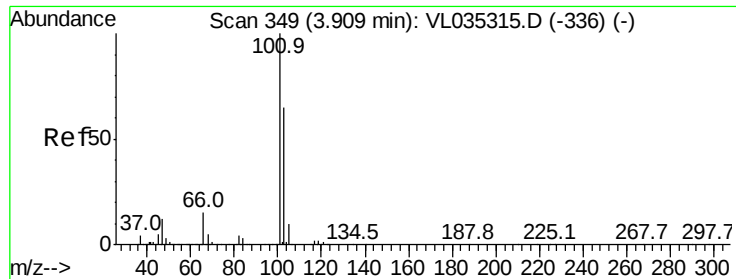
Tgt Ion: 43 Resp: 149729

Ion Ratio Lower Upper

43 100

57 53.3 42.4 63.6





#11

Trichlorofluoromethane

Concen: 1.149 ppbv

RT: 3.92 min Scan# 351

Delta R.T. 0.01 min

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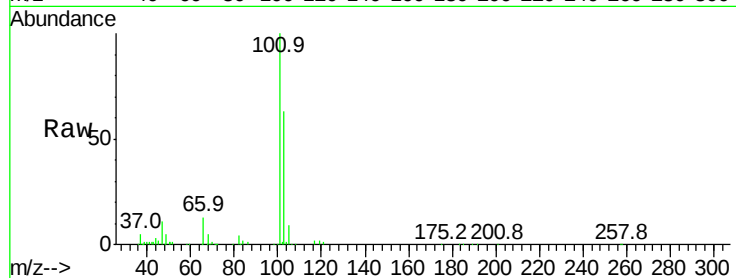
VSTDIC001

Tgt Ion:101 Resp: 275958

Ion Ratio Lower Upper

101 100

103 62.8 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.92

200000

150000

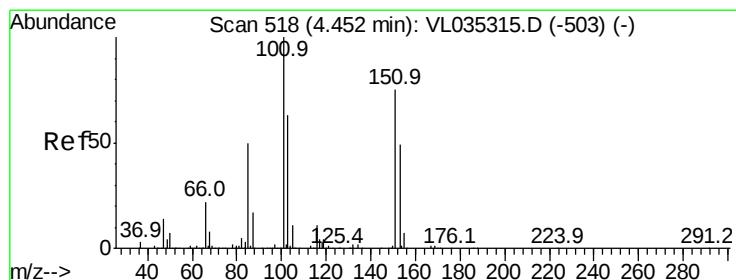
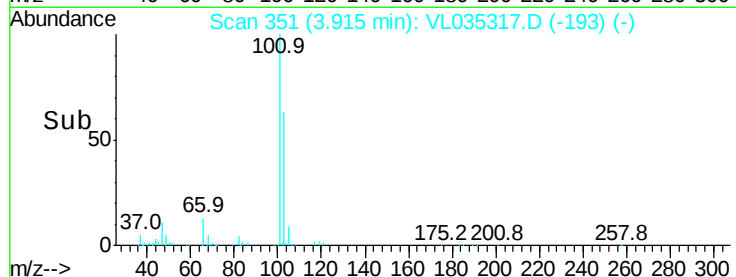
100000

50000

0

3.85 3.90 3.95

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.145 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.01 min

Lab File: VL035317.D

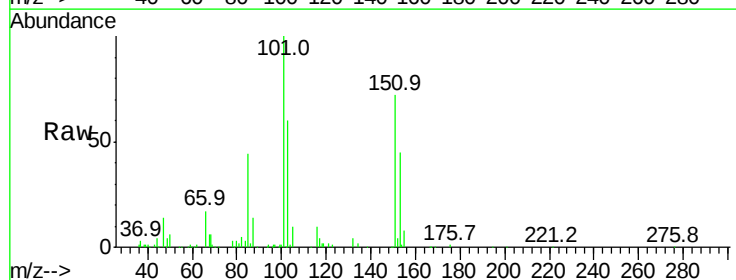
Acq: 3 Aug 2020 13:38

Tgt Ion:101 Resp: 195094

Ion Ratio Lower Upper

101 100

151 67.0 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.46

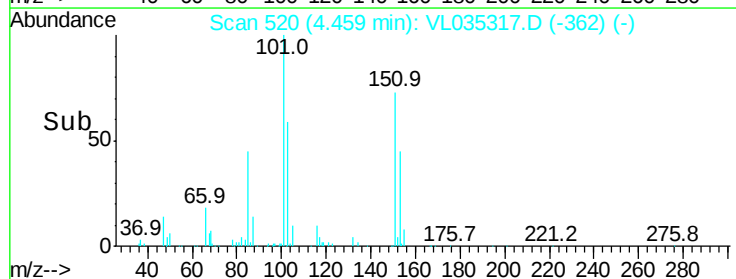
100000

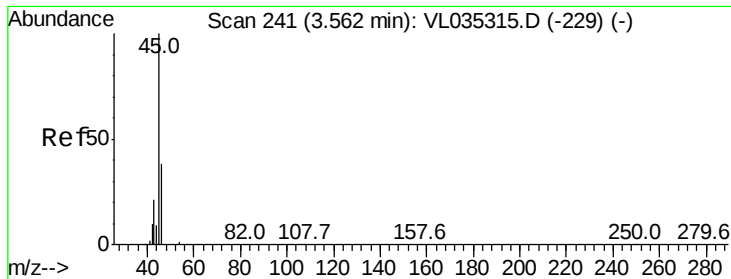
50000

0

4.40 4.45 4.50

Time-->





#13

Ethanol

Concen: 0.793 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

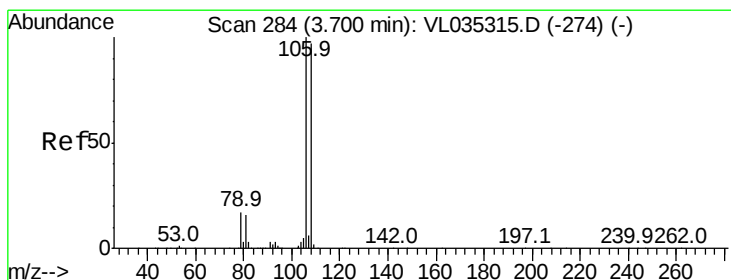
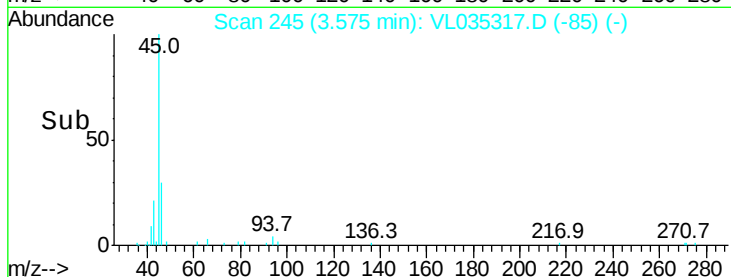
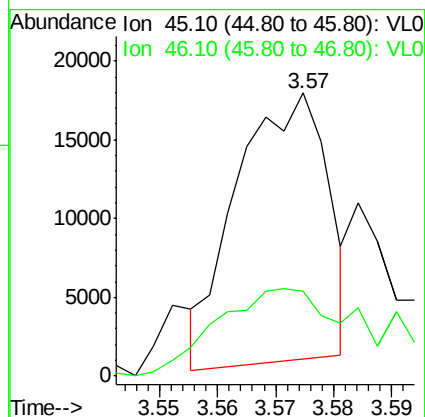
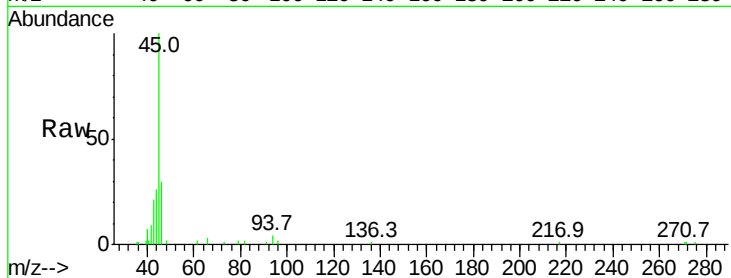
VSTDIC001

Tgt Ion: 45 Resp: 18616

Ion Ratio Lower Upper

45 100

46 58.3 14.5 57.9#



#14

Bromoethene

Concen: 1.102 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

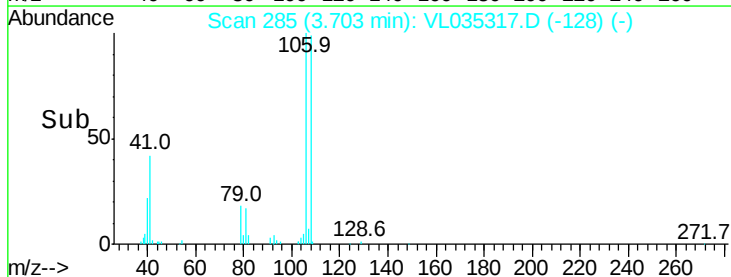
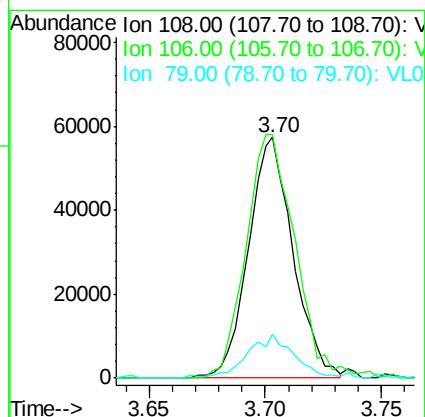
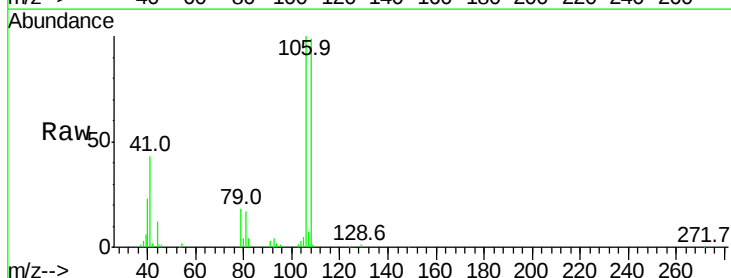
Tgt Ion: 108 Resp: 76597

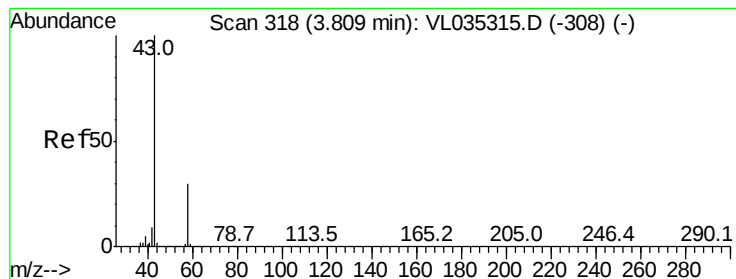
Ion Ratio Lower Upper

108 100

106 111.4 86.2 129.2

79 20.3 14.0 21.0





#15

Acetone

Concen: 1.217 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

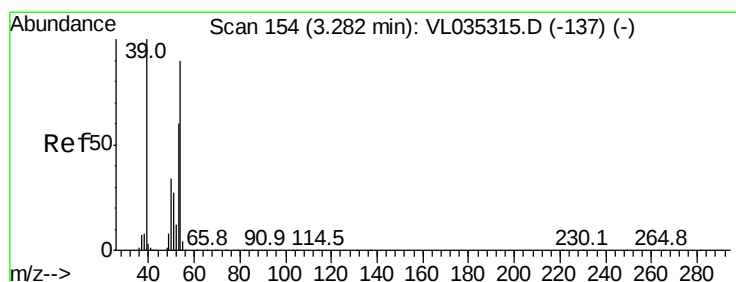
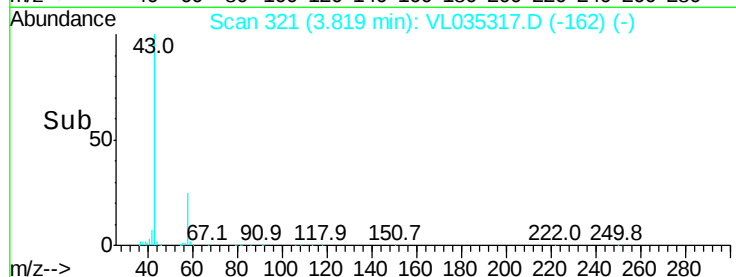
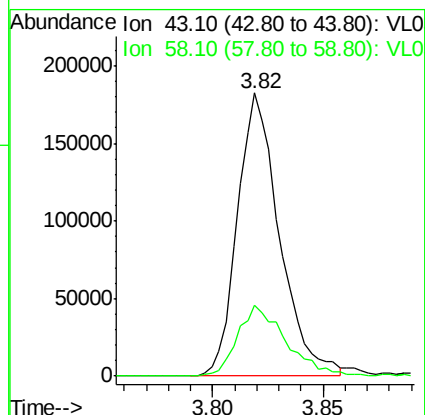
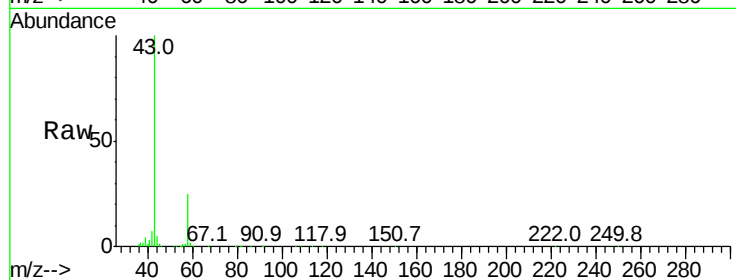
VSTDIC001

Tgt Ion: 43 Resp: 242705

Ion Ratio Lower Upper

43 100

58 29.4 22.1 33.1



#16

1,3-Butadiene

Concen: 0.941 ppbv

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035317.D

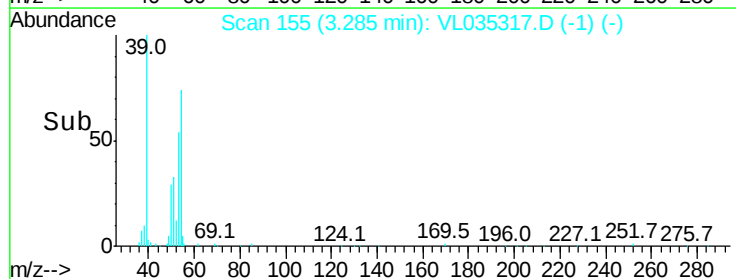
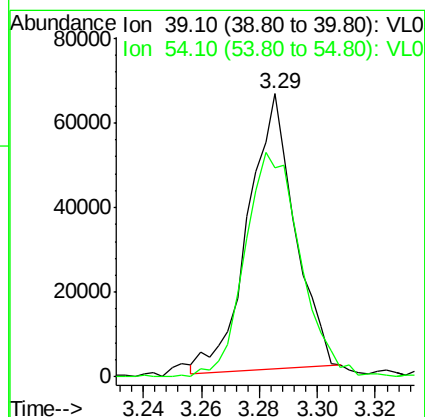
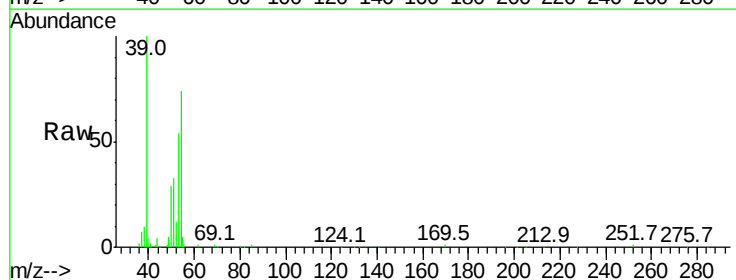
Acq: 3 Aug 2020 13:38

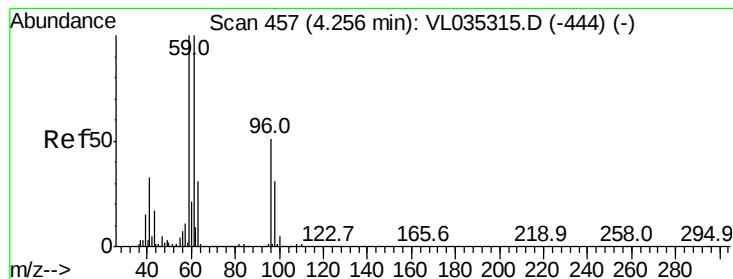
Tgt Ion: 39 Resp: 73214

Ion Ratio Lower Upper

39 100

54 97.0 68.0 102.0





#17

tert-Butyl alcohol

Concen: 0.688 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

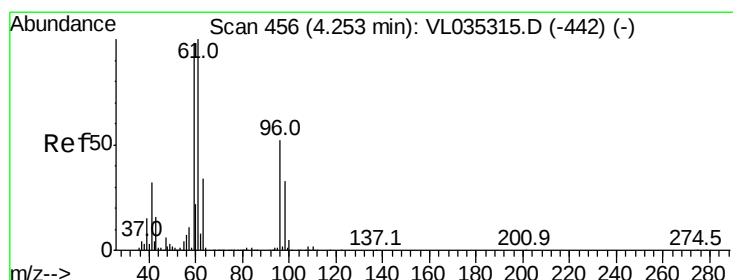
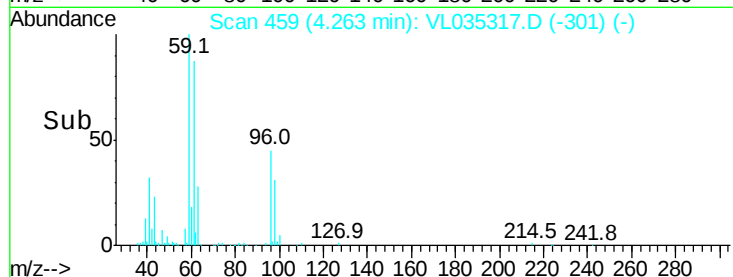
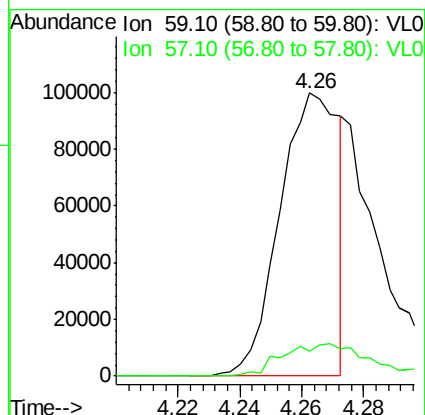
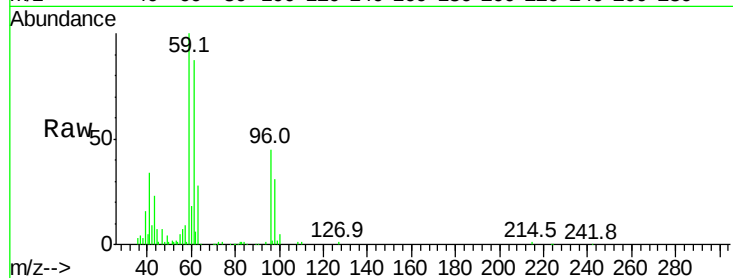
VSTDIC001

Tgt Ion: 59 Resp: 132485

Ion Ratio Lower Upper

59 100

57 17.4 8.6 13.0#



#18

1,1-Dichloroethene

Concen: 1.091 ppbv

RT: 4.26 min Scan# 458

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

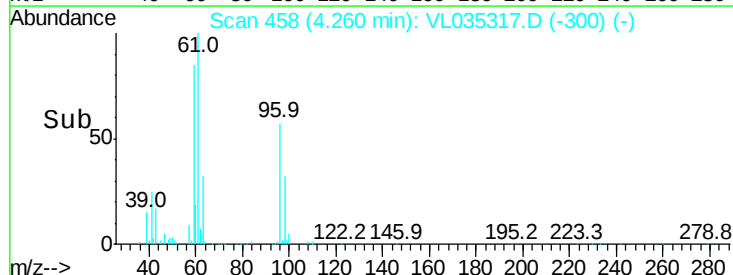
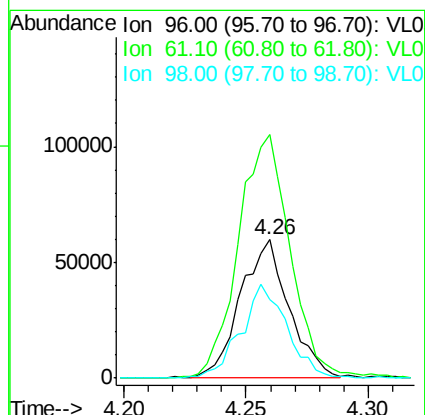
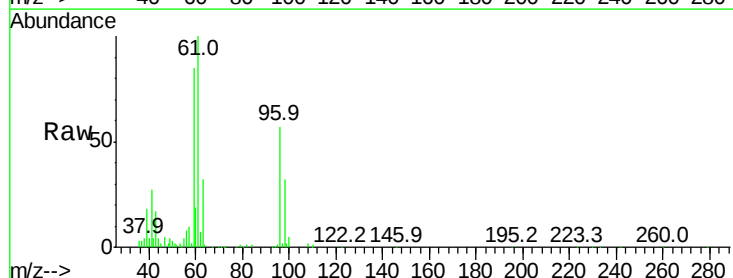
Tgt Ion: 96 Resp: 82535

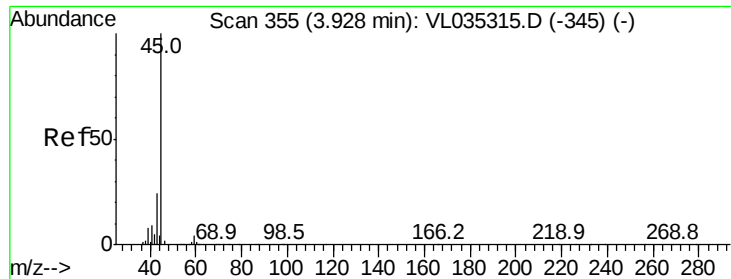
Ion Ratio Lower Upper

96 100

61 175.5 154.9 232.3

98 56.3 51.0 76.4





#19

Isopropyl Alcohol

Concen: 1.098 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

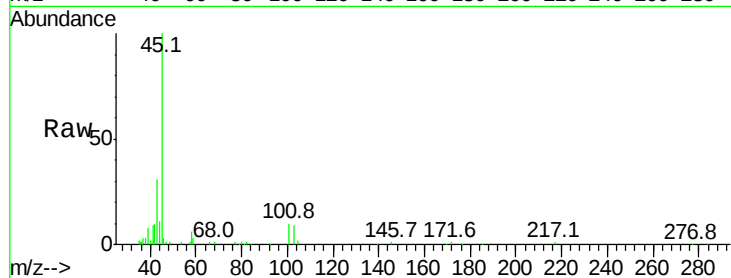
VSTDIC001

Tgt Ion: 45 Resp: 144448

Ion Ratio Lower Upper

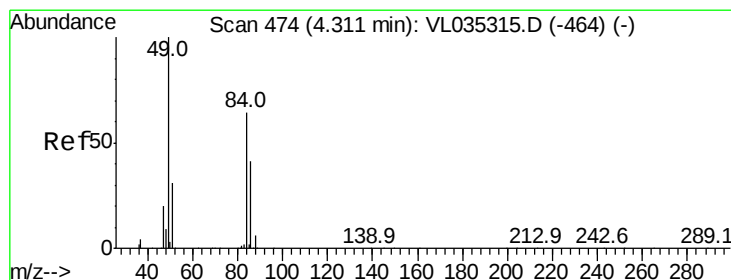
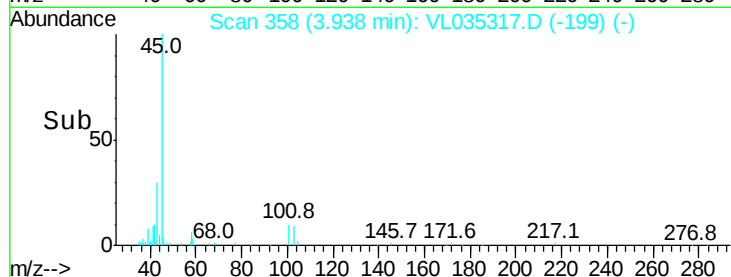
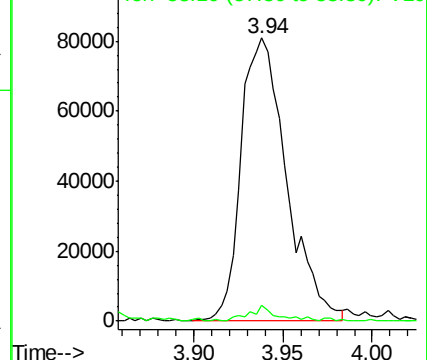
45 100

58 4.0 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.234 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Tgt Ion: 84 Resp: 111999

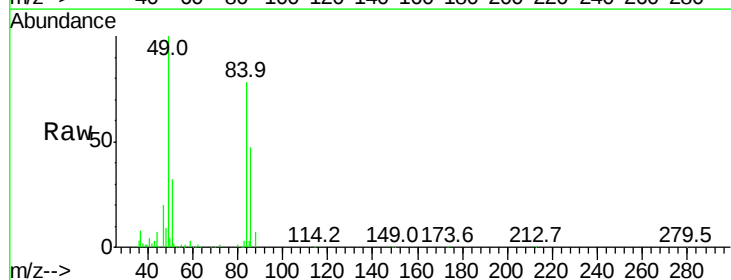
Ion Ratio Lower Upper

84 100

49 124.6 124.2 186.2

51 41.3 38.6 58.0

86 59.9 51.0 76.4

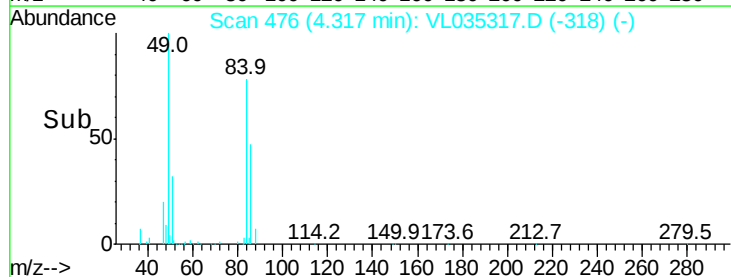
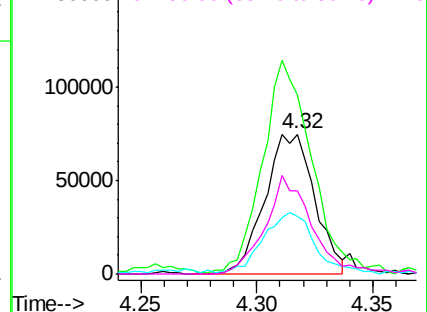


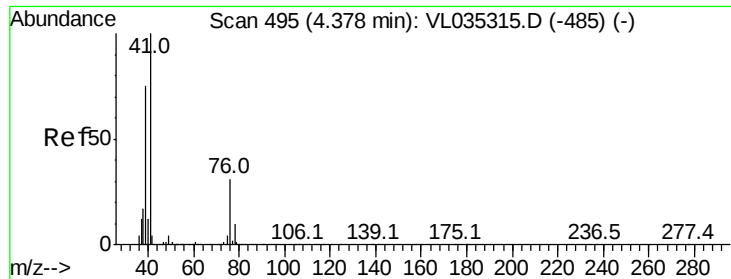
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

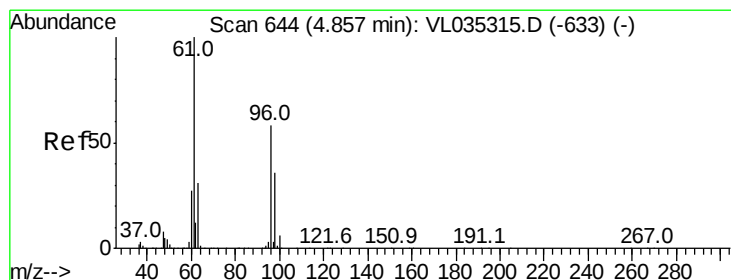
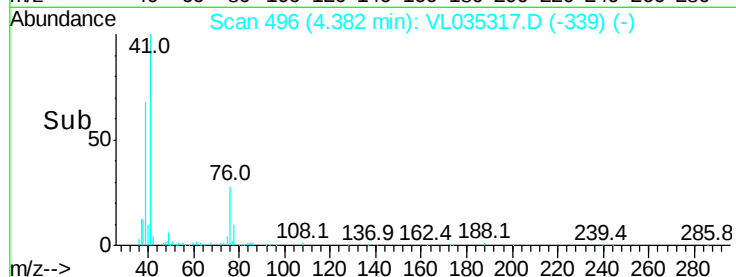
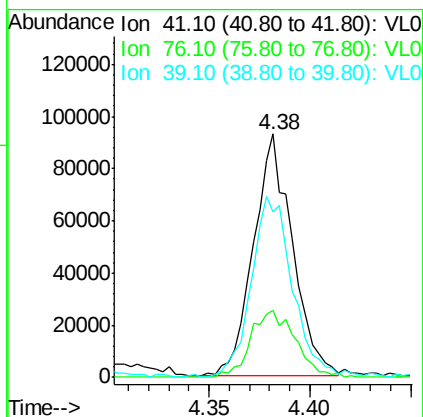
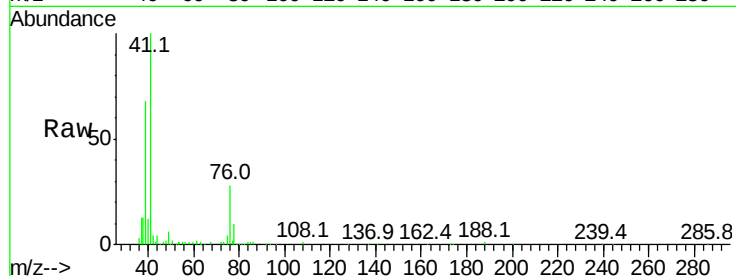




#21
 Allyl Chloride
 Concen: 1.107 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

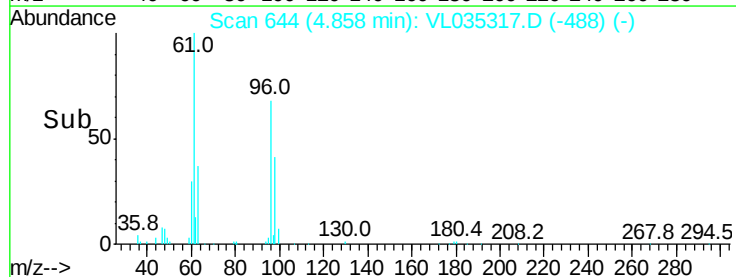
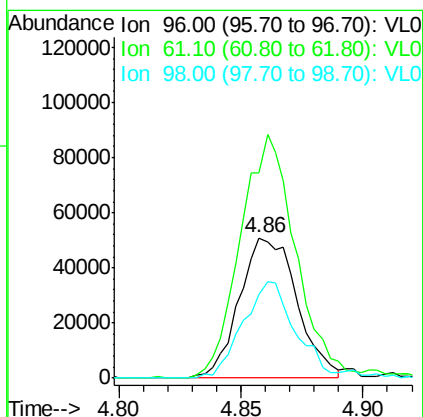
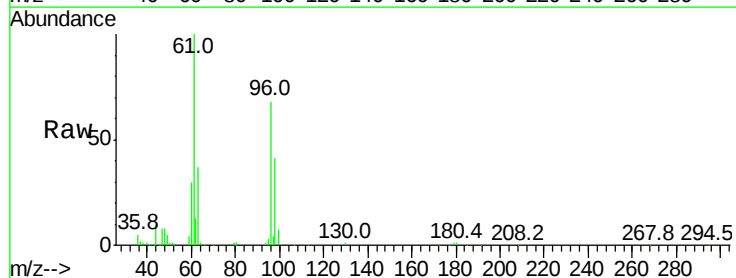
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

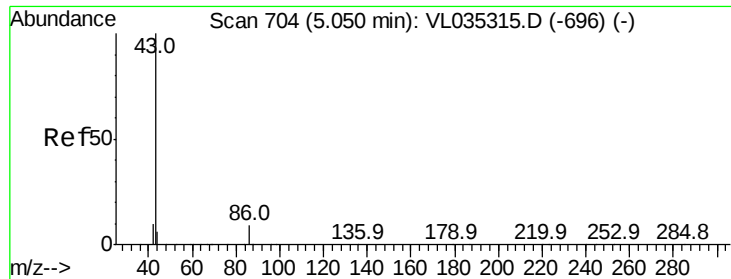
Tgt Ion: 41 Resp: 125726
 Ion Ratio Lower Upper
 41 100
 76 31.6 24.4 36.6
 39 80.0 61.8 92.6



#22
 trans-1,2-Dichloroethene
 Concen: 1.145 ppbv
 RT: 4.86 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Tgt Ion: 96 Resp: 83222
 Ion Ratio Lower Upper
 96 100
 61 146.7 136.8 205.2
 98 58.8 49.2 73.8





#23

Vinyl Acetate

Concen: 1.088 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 217993

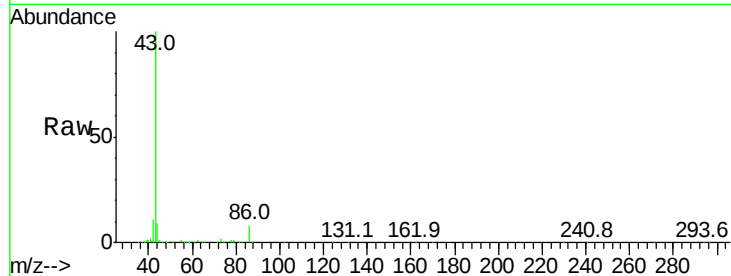
Ion Ratio Lower Upper

43 100

86 8.5 6.5 9.7

42 10.6 8.2 12.4

44 7.6 5.0 7.6#

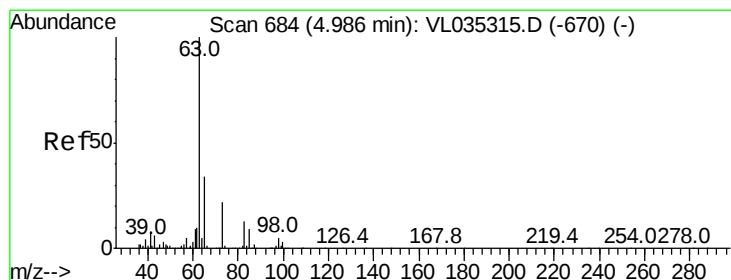
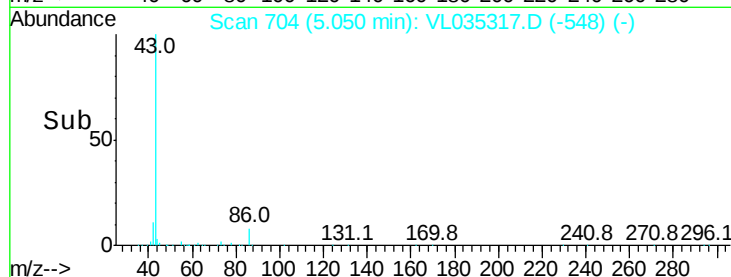
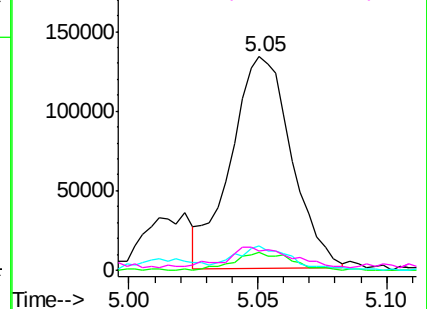


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.091 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

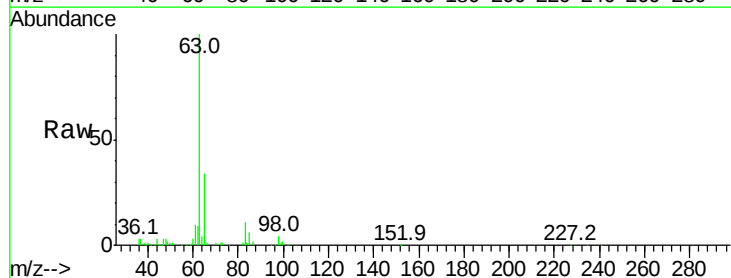
Tgt Ion: 63 Resp: 203920

Ion Ratio Lower Upper

63 100

98 4.2 2.5 7.5

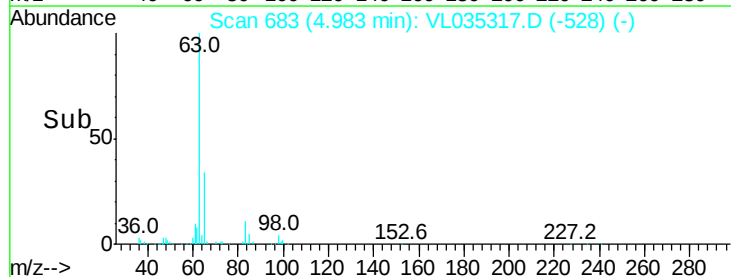
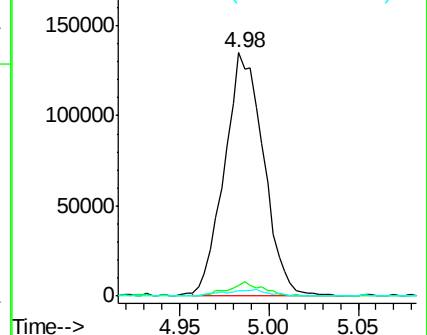
100 2.0 1.5 4.4

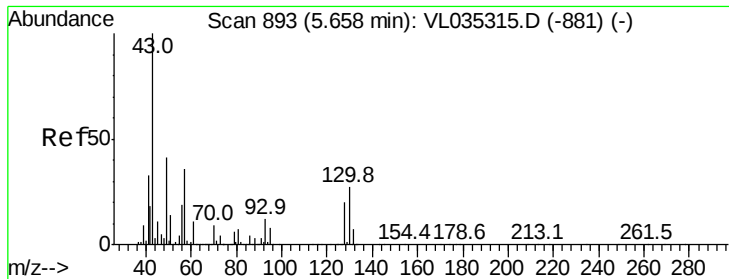


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.064 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 331377

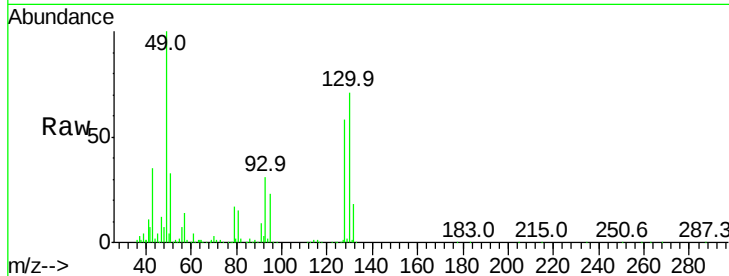
Ion Ratio Lower Upper

43 100

45 10.1 8.6 12.8

61 10.2 8.1 12.1

70 8.3 6.5 9.7



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

250000

200000

150000

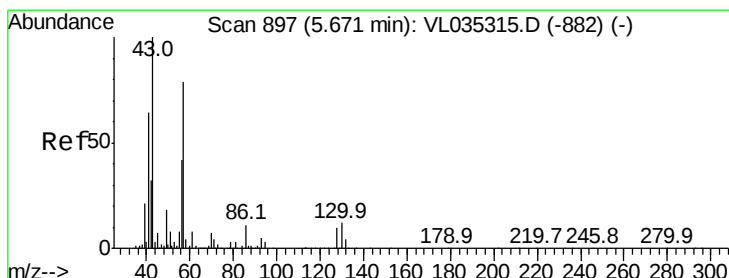
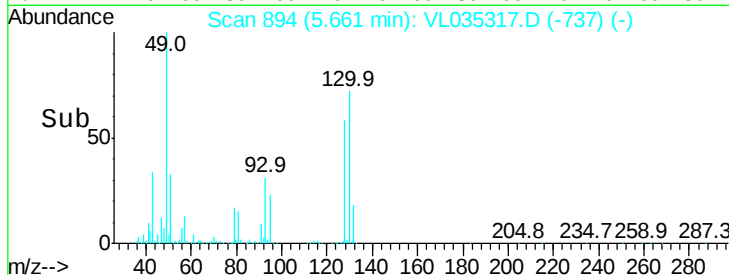
100000

50000

0

5.60 5.65 5.70

Time-->



#26

Hexane

Concen: 1.062 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Tgt Ion: 57 Resp: 149206

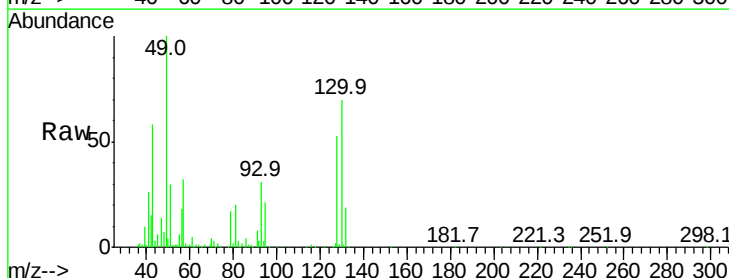
Ion Ratio Lower Upper

57 100

41 95.2 72.1 108.1

43 223.7 179.0 268.6

56 55.7 42.7 64.1



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

250000

200000

150000

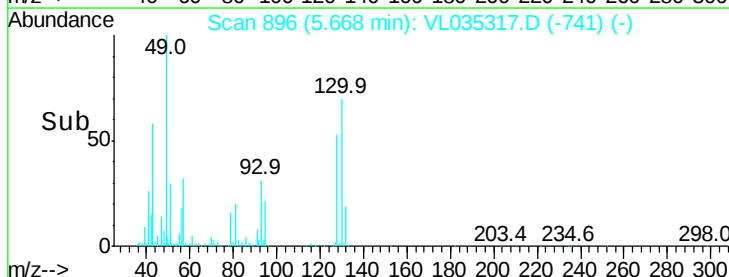
100000

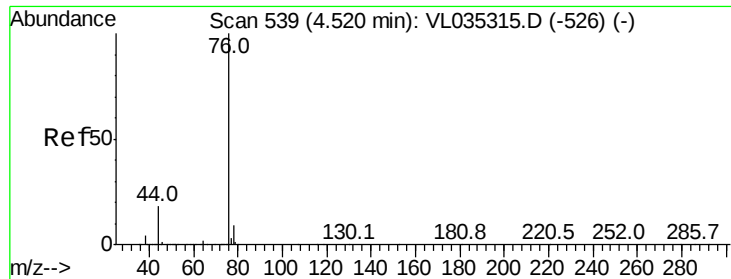
50000

0

5.60 5.65 5.70

Time-->





#27

Carbon Disulfide

Concen: 1.019 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

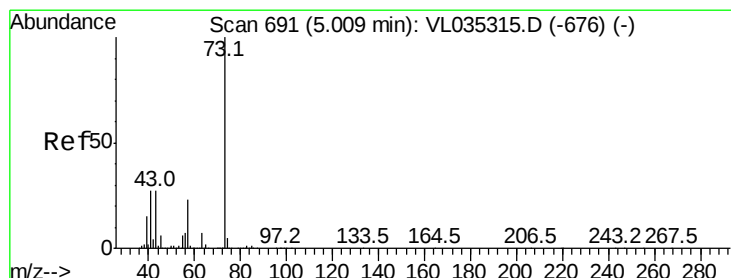
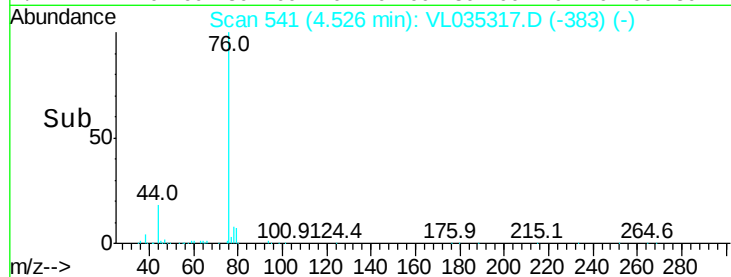
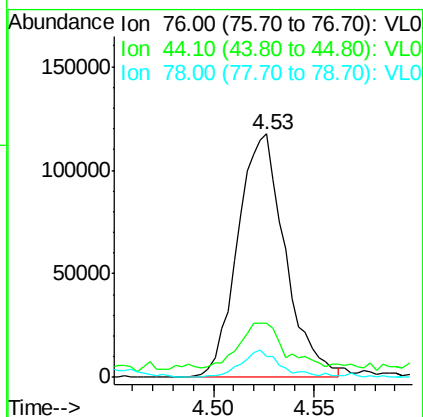
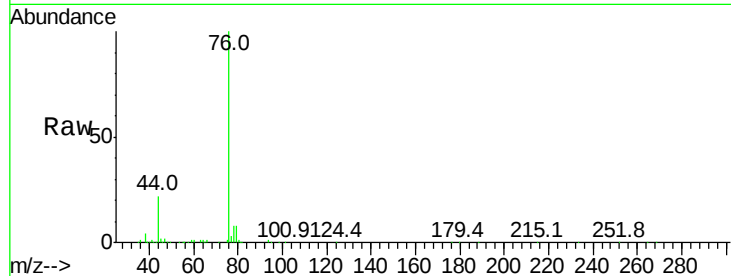
Tgt Ion: 76 Resp: 193393

Ion Ratio Lower Upper

76 100

44 27.6 14.8 22.2#

78 9.5 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 1.097 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL035317.D

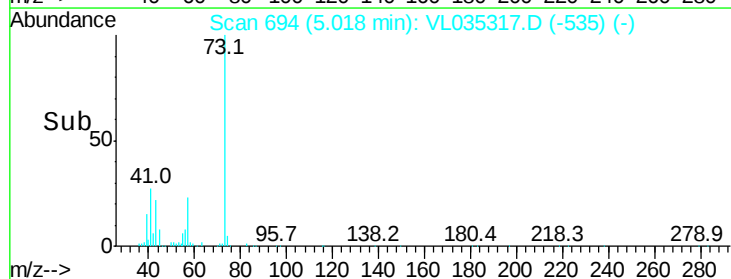
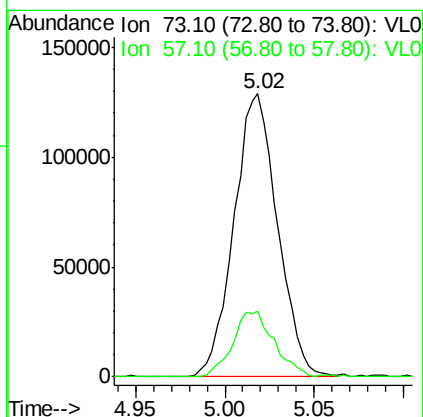
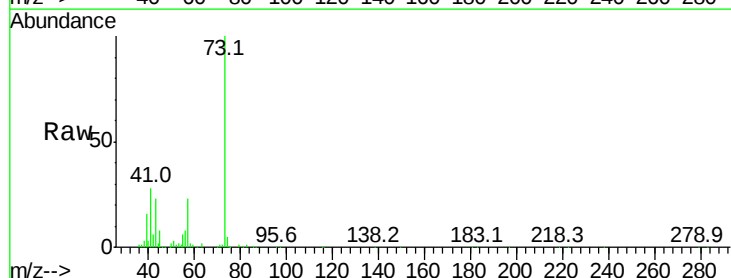
Acq: 3 Aug 2020 13:38

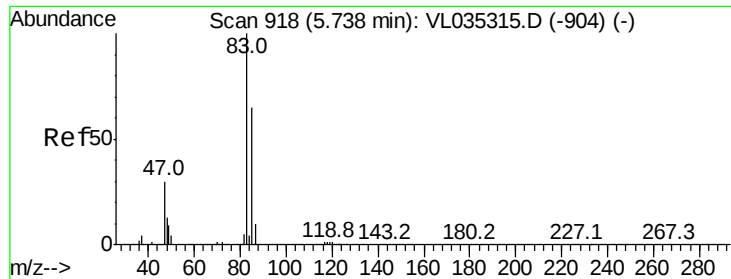
Tgt Ion: 73 Resp: 220313

Ion Ratio Lower Upper

73 100

57 22.5 18.2 27.2





#29

Chloroform

Concen: 1.079 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

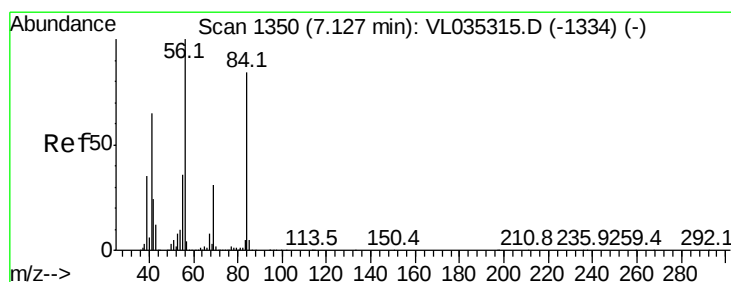
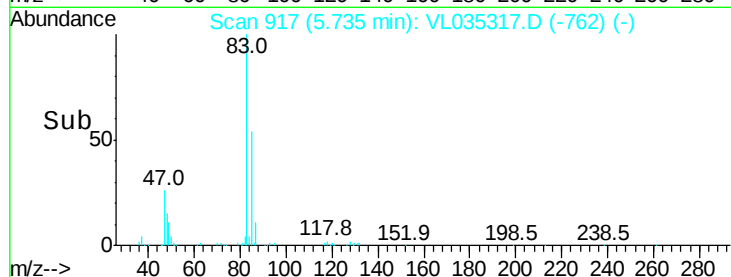
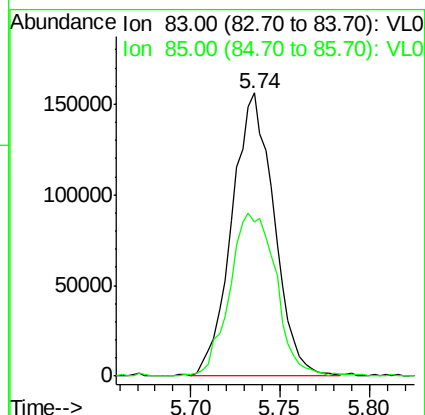
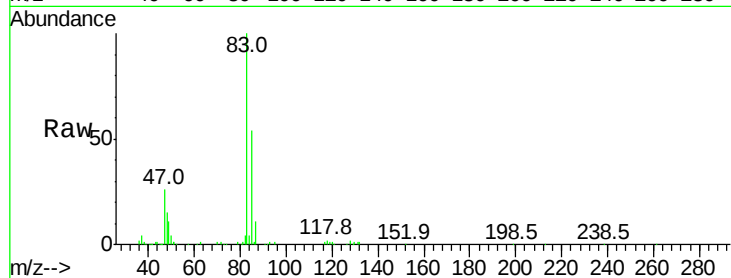
VSTDIC001

Tgt Ion: 83 Resp: 254253

Ion Ratio Lower Upper

83 100

85 54.2 51.9 77.9



#30

Cyclohexane

Concen: 0.919 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

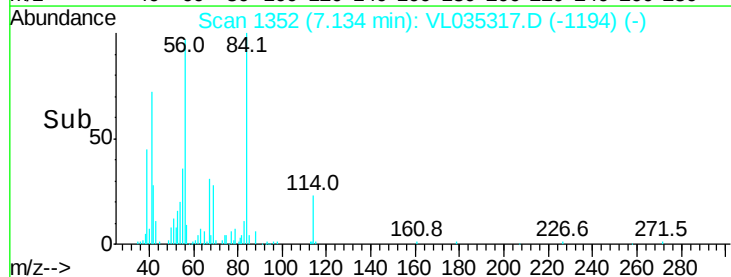
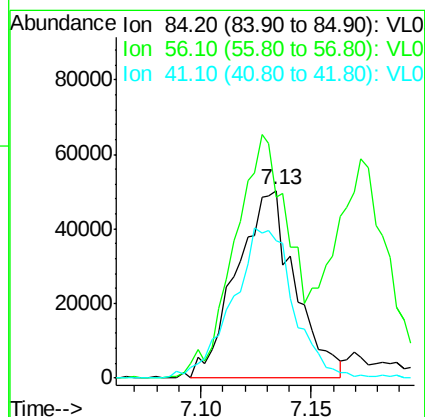
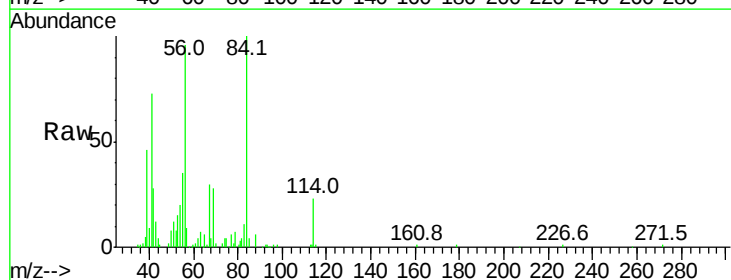
Tgt Ion: 84 Resp: 92277

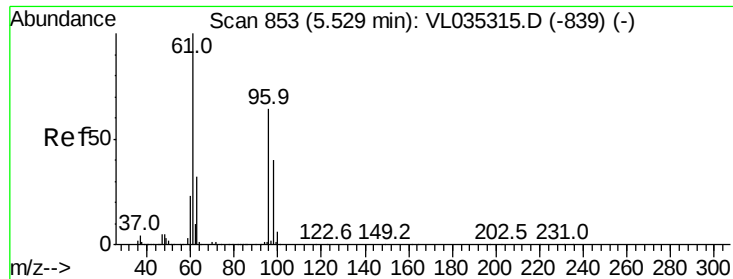
Ion Ratio Lower Upper

84 100

56 130.5 103.0 154.6

41 83.8 62.7 94.1





#31

cis-1,2-Dichloroethene

Concen: 1.040 ppbv

RT: 5.53 min Scan# 854

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

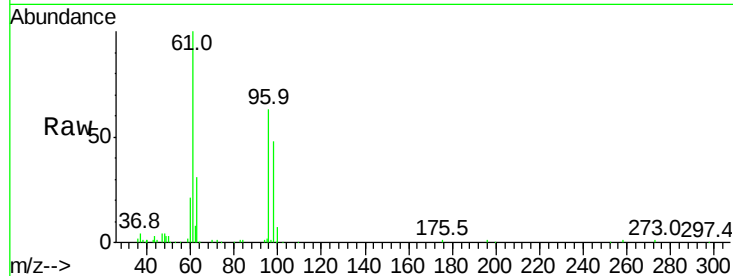
Tgt Ion: 61 Resp: 127339

Ion Ratio Lower Upper

61 100

96 63.1 51.4 77.2

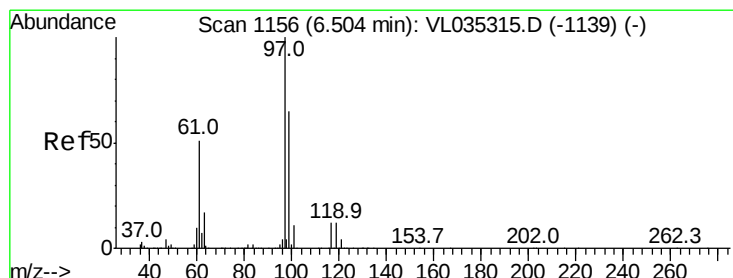
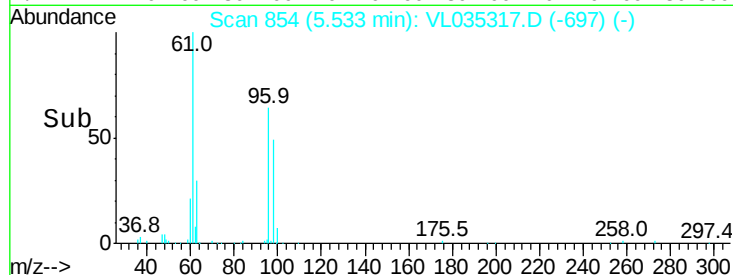
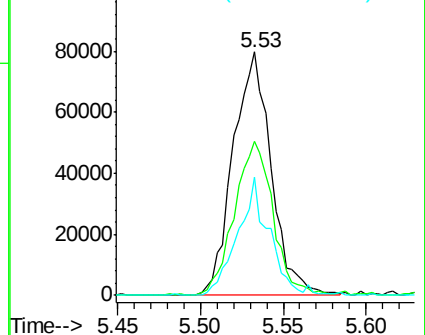
98 48.5 32.2 48.4#



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: 0.485 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

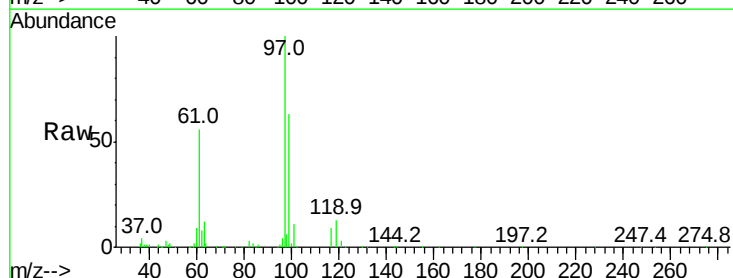
Tgt Ion: 97 Resp: 116975

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.4#

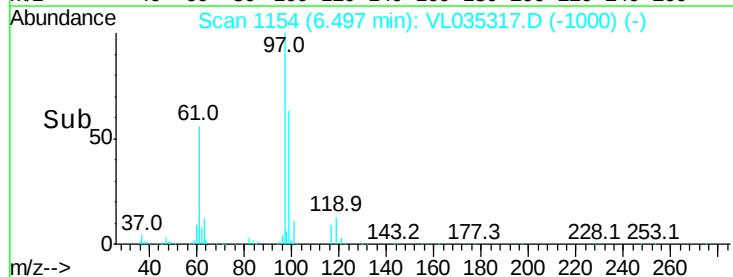
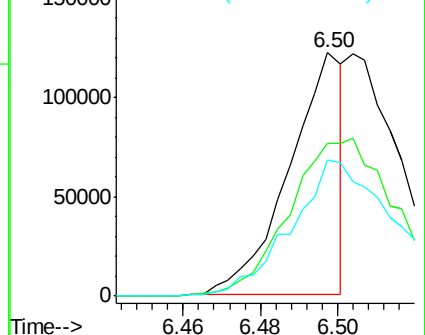
61 106.5 40.9 61.3#

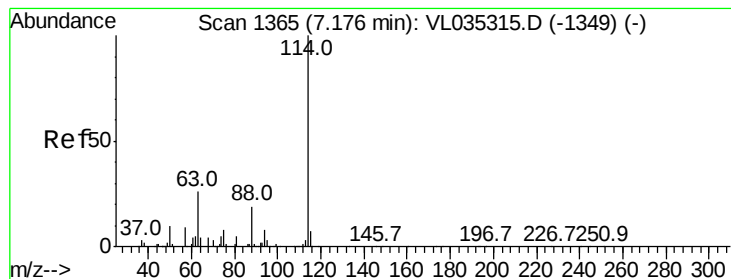


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

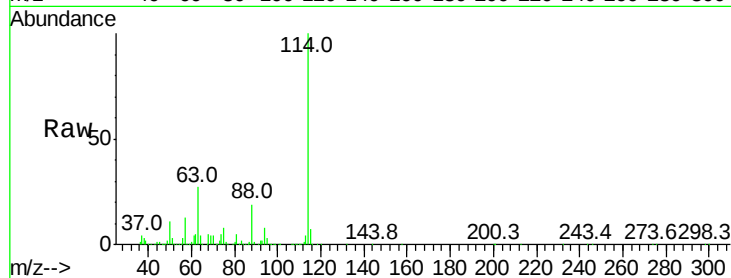
Tgt Ion:114 Resp: 3738434

Ion Ratio Lower Upper

114 100

63 27.0 21.5 32.3

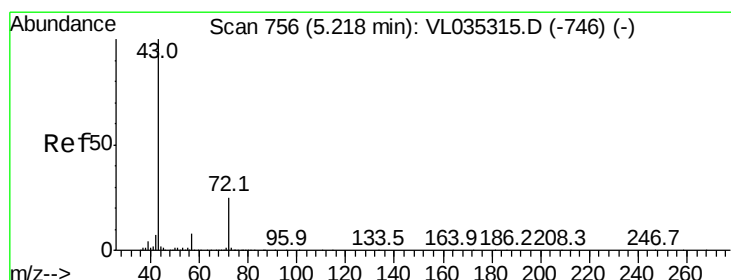
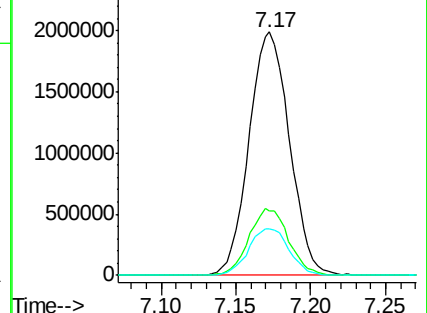
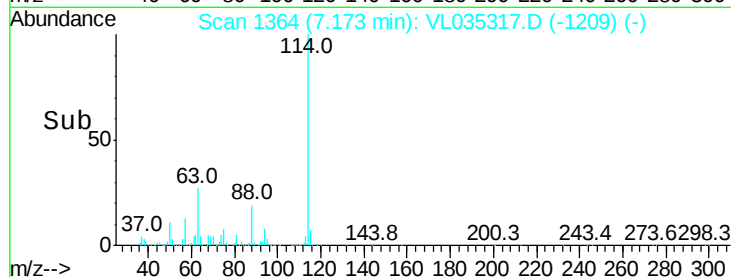
88 19.3 15.3 22.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.991 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.01 min

Lab File: VL035317.D

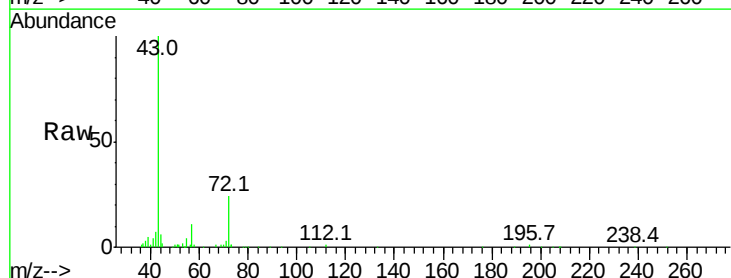
Acq: 3 Aug 2020 13:38

Tgt Ion: 43 Resp: 188481

Ion Ratio Lower Upper

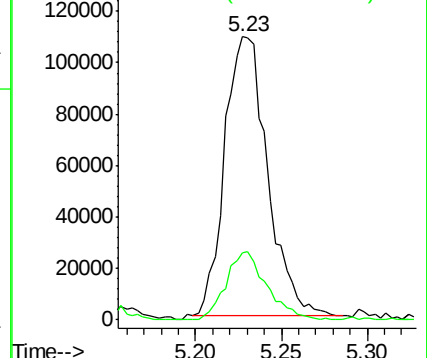
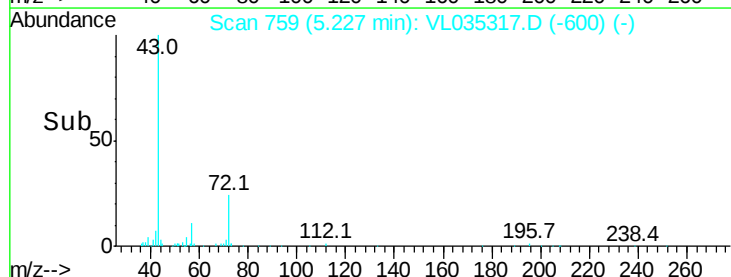
43 100

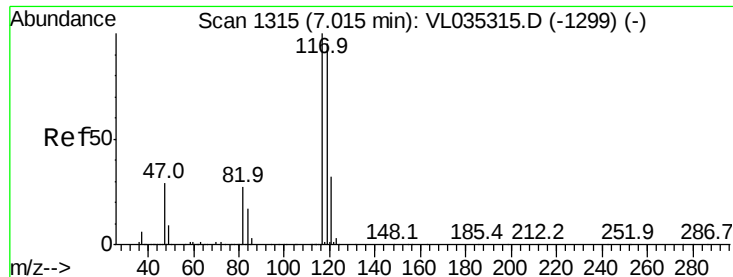
72 23.8 19.2 28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.954 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

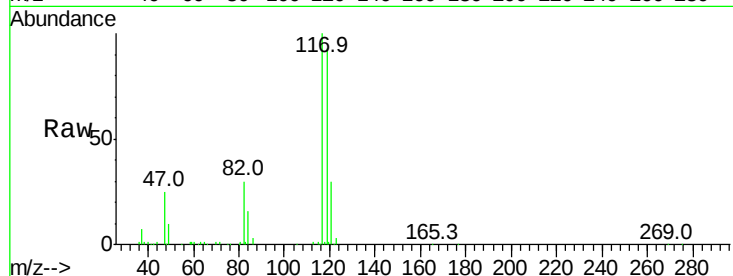
Tgt Ion: 117 Resp: 238685

Ion Ratio Lower Upper

117 100

119 94.4 76.1 114.1

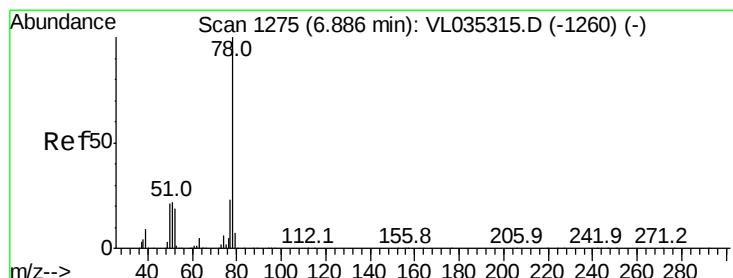
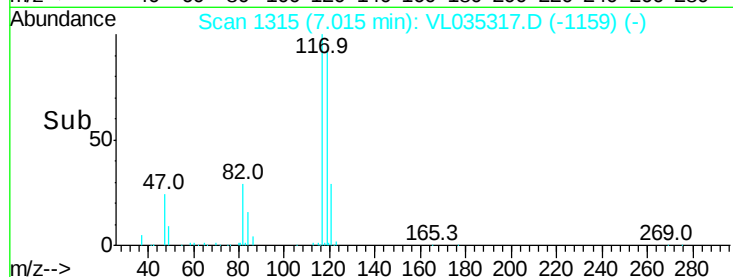
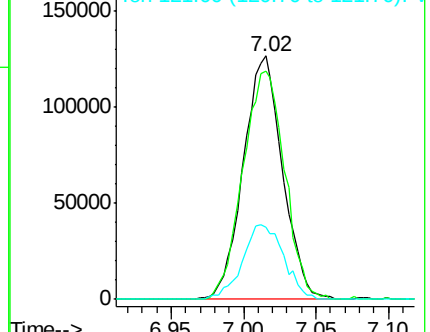
121 29.6 25.6 38.4



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: 1.006 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

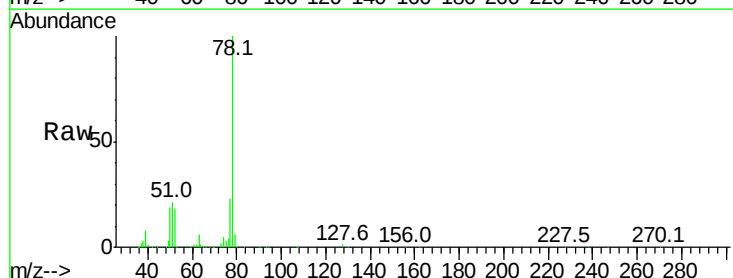
Tgt Ion: 78 Resp: 261253

Ion Ratio Lower Upper

78 100

77 23.5 18.4 27.6

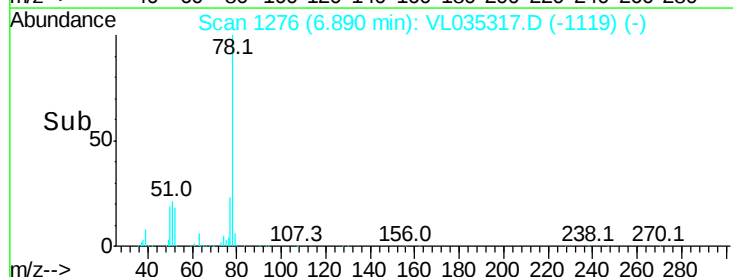
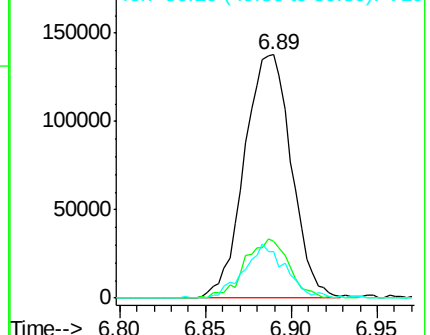
50 19.0 16.6 25.0

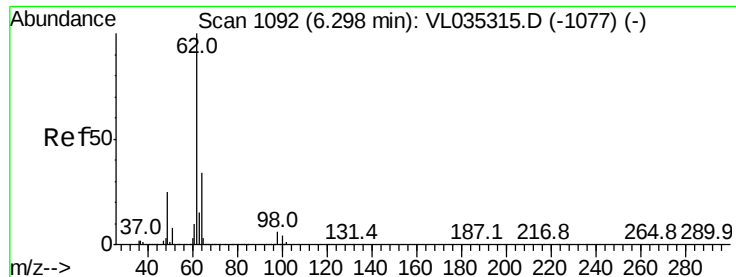


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

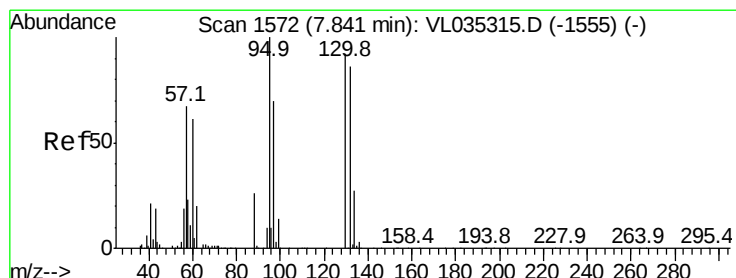
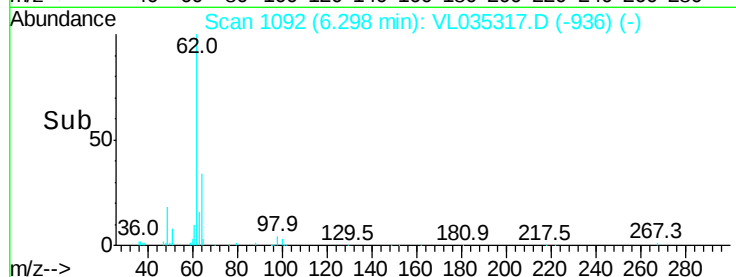
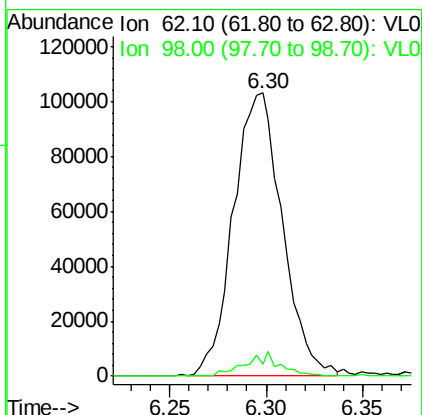
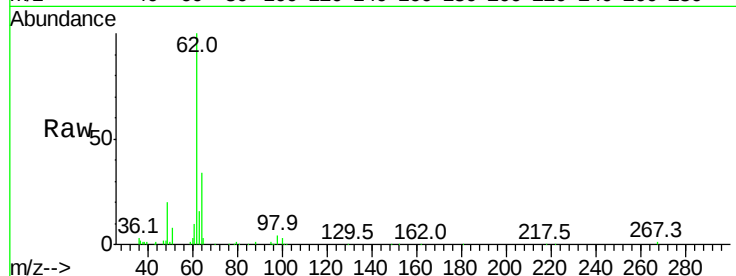




#37
 1,2-Dichloroethane
 Concen: 0.990 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

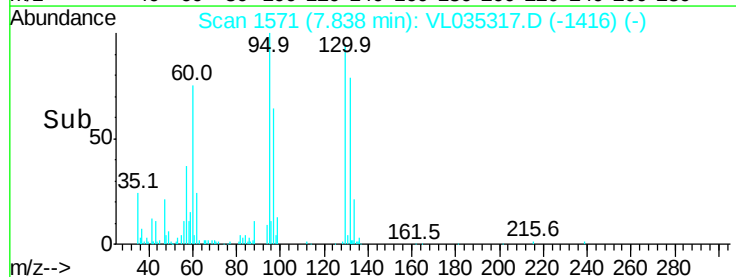
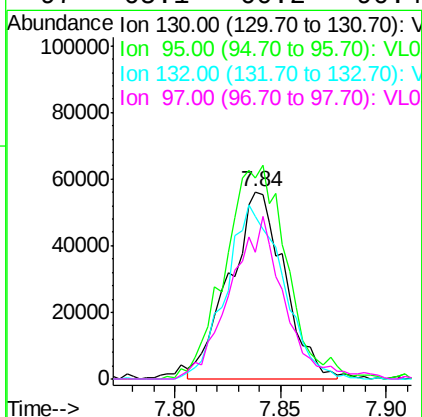
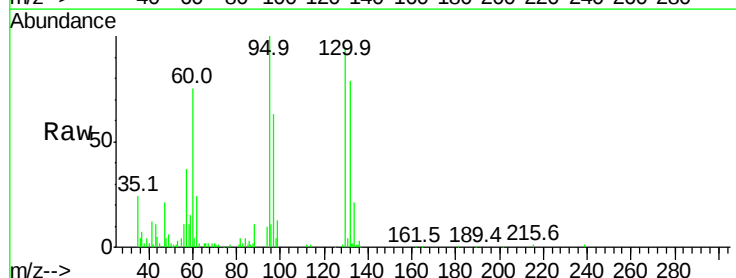
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

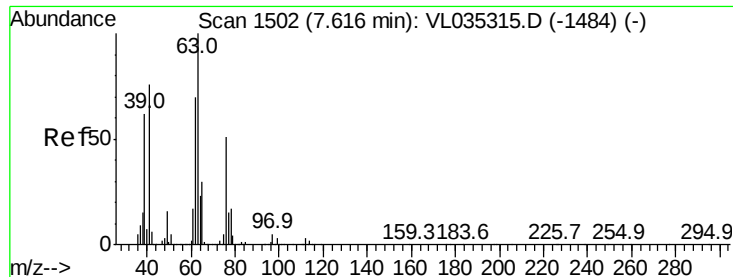
Tgt Ion: 62 Resp: 179832
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.6 7.0



#38
 Trichloroethene
 Concen: 0.939 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Tgt Ion: 130 Resp: 101096
 Ion Ratio Lower Upper
 130 100
 95 105.1 86.3 129.5
 132 87.4 74.2 111.2
 97 65.1 60.2 90.4





#39

1,2-Dichloropropane

Concen: 0.990 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

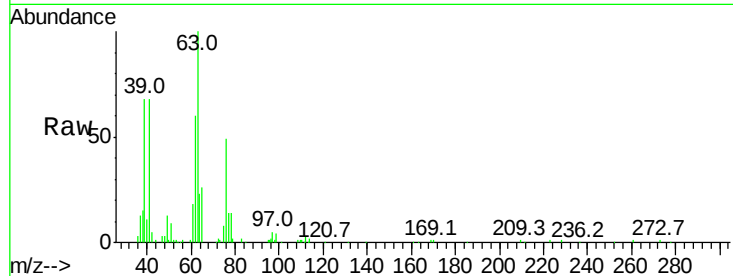
Tgt Ion: 63 Resp: 102661

Ion Ratio Lower Upper

63 100

41 67.8 61.0 91.4

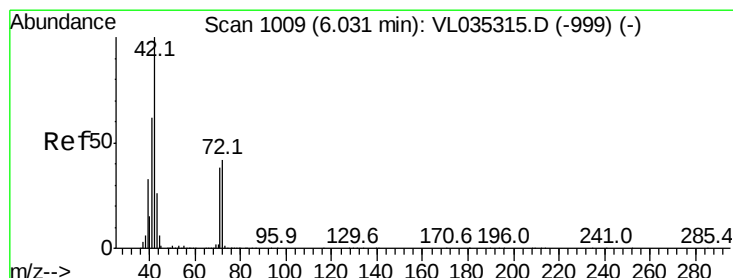
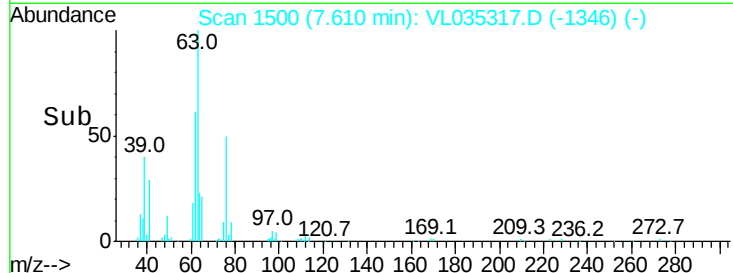
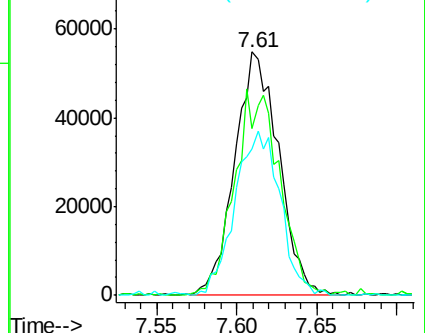
62 60.2 55.8 83.8



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: 0.950 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

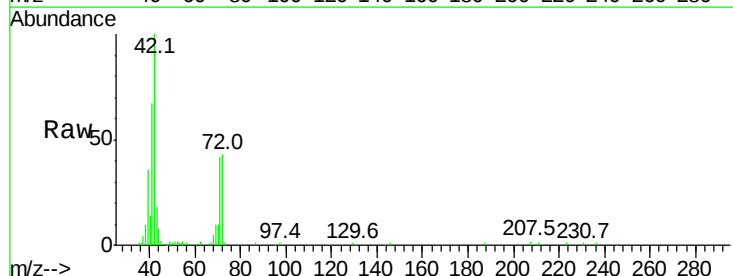
Tgt Ion: 42 Resp: 88550

Ion Ratio Lower Upper

42 100

72 40.7 33.8 50.8

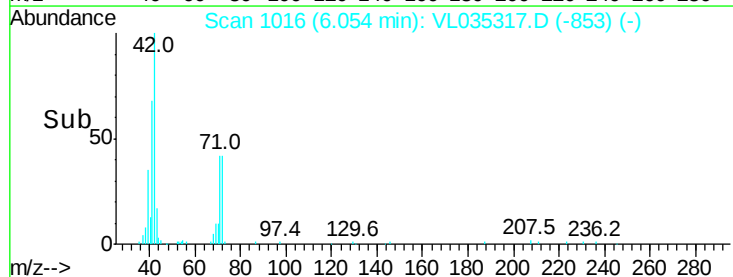
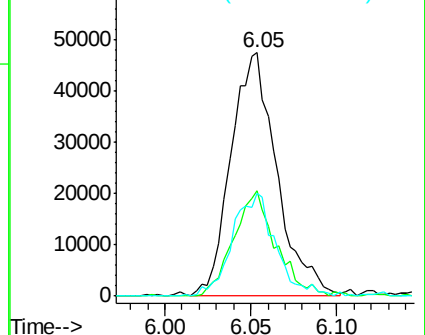
71 39.9 32.7 49.1

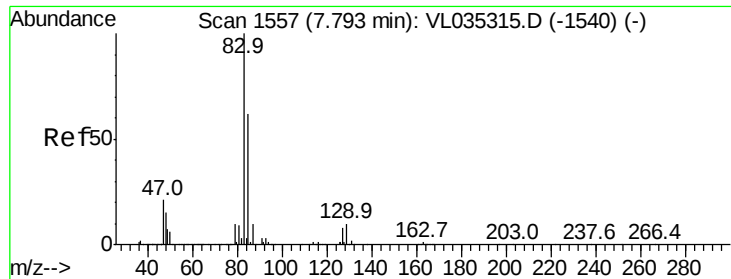


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 1.016 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

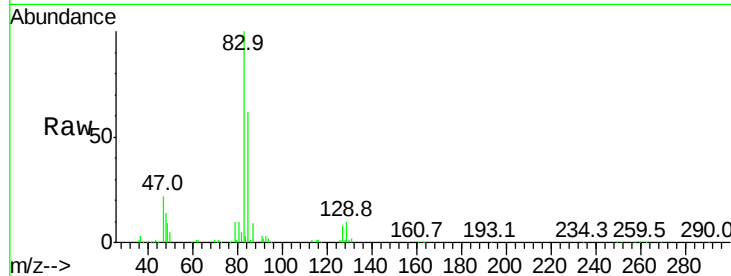
Tgt Ion: 83 Resp: 246350

Ion Ratio Lower Upper

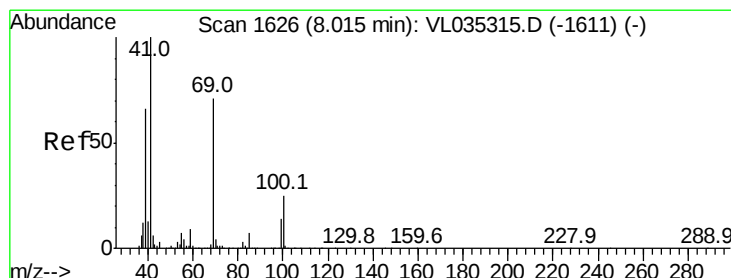
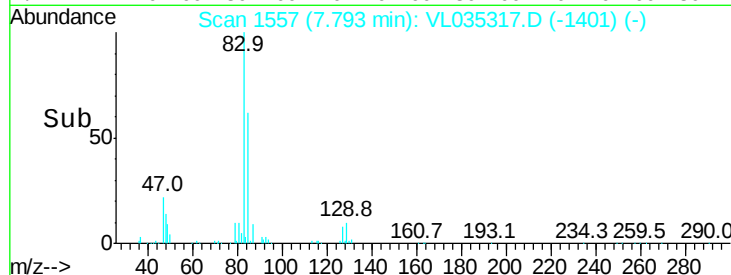
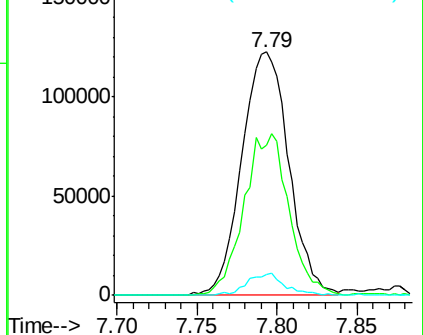
83 100

85 61.9 49.9 74.9

127 8.3 6.6 10.0



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: 0.893 ppbv

RT: 8.02 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

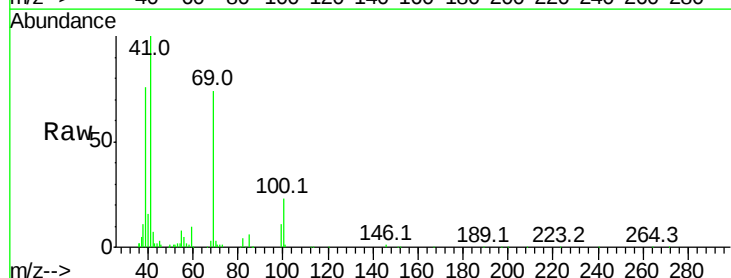
Tgt Ion: 69 Resp: 100506

Ion Ratio Lower Upper

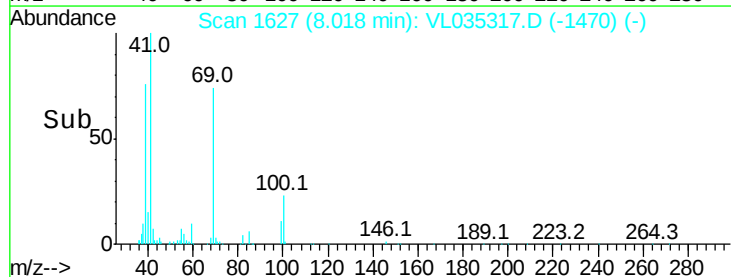
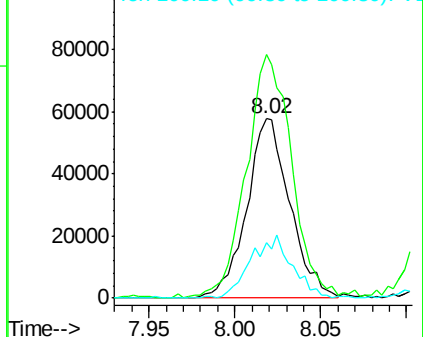
69 100

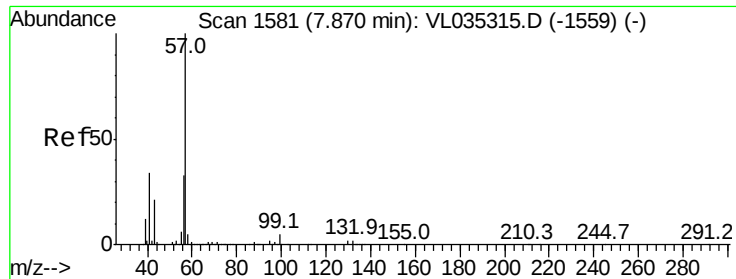
41 144.6 110.9 166.3

100 33.8 26.0 39.0



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

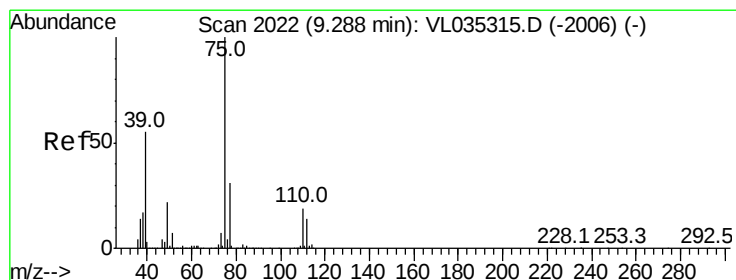
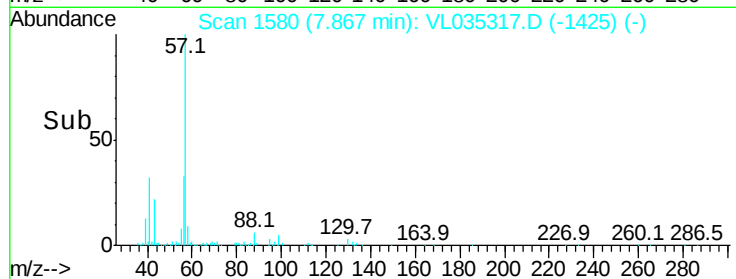
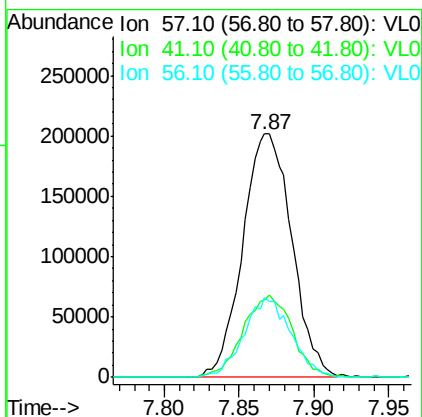
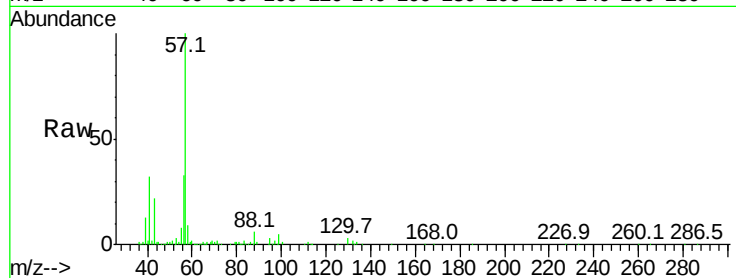




#44
 2,2,4-Trimethylpentane
 Concen: 1.000 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

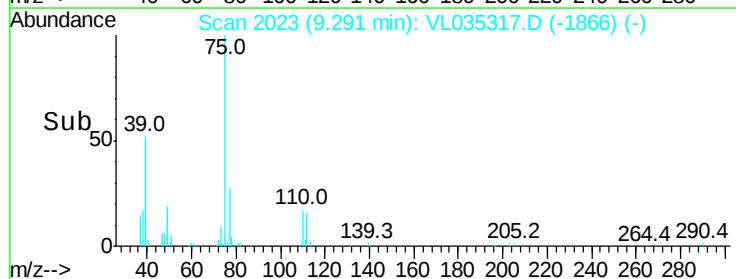
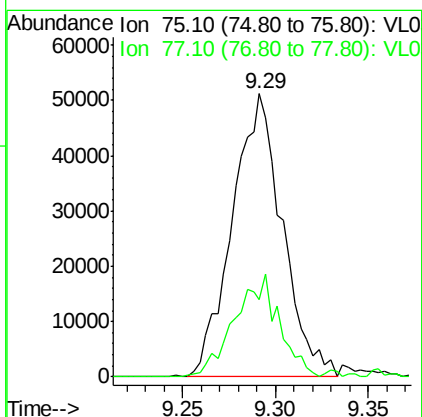
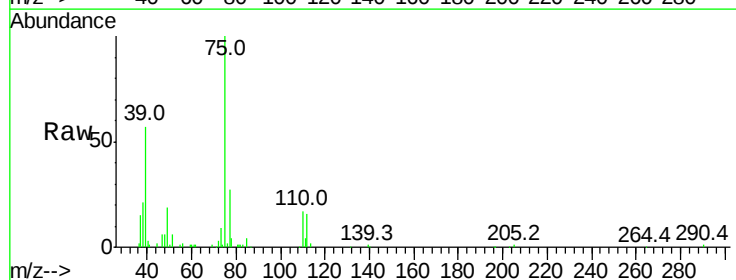
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

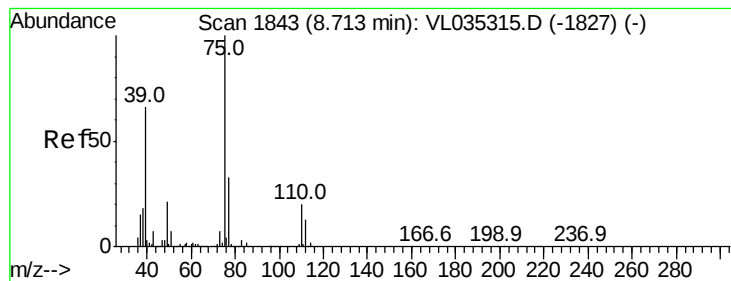
Tgt Ion: 57 Resp: 457789
 Ion Ratio Lower Upper
 57 100
 41 34.2 26.7 40.1
 56 31.6 25.4 38.0



#45
 t-1,3-Dichloropropene
 Concen: 0.846 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Tgt Ion: 75 Resp: 95934
 Ion Ratio Lower Upper
 75 100
 77 26.7 24.6 37.0



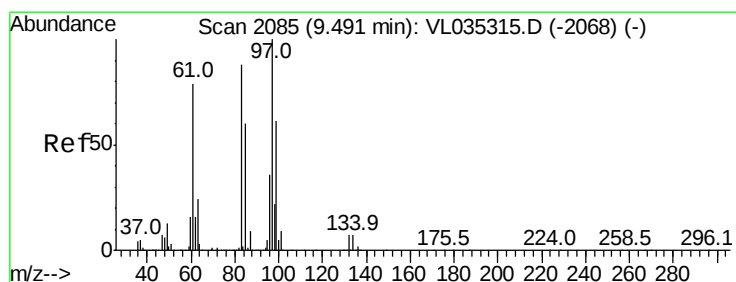
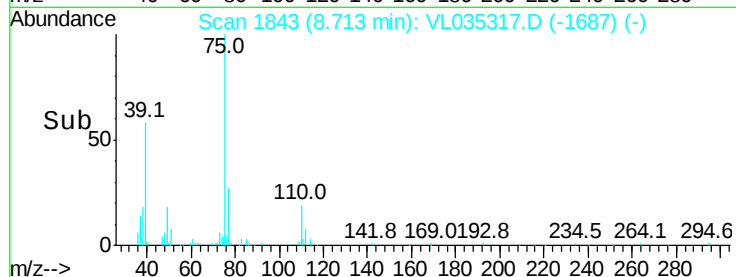
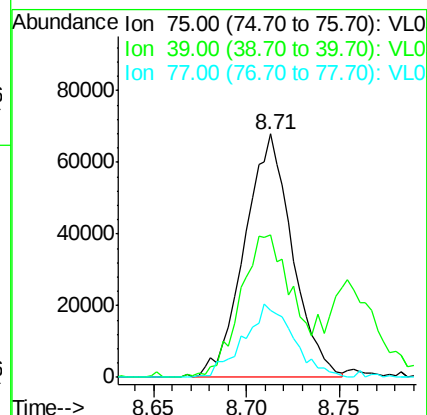
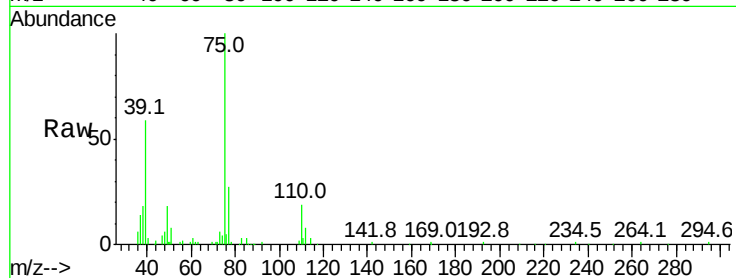


#46

cis-1,3-Dichloropropene
 Concen: 0.881 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

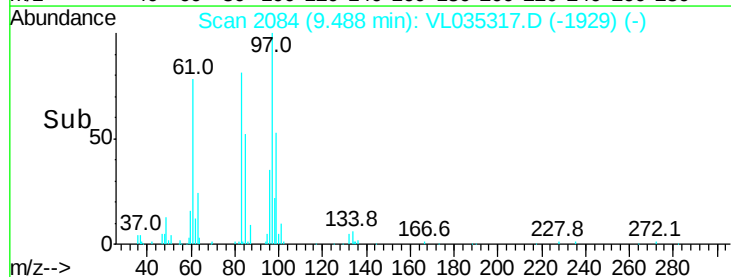
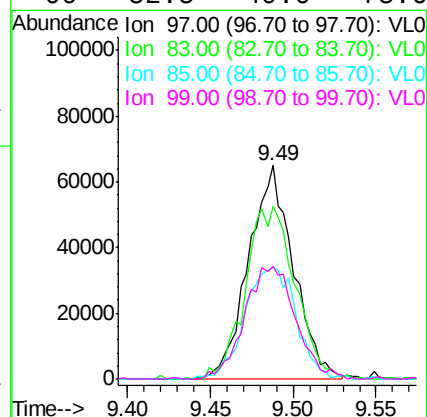
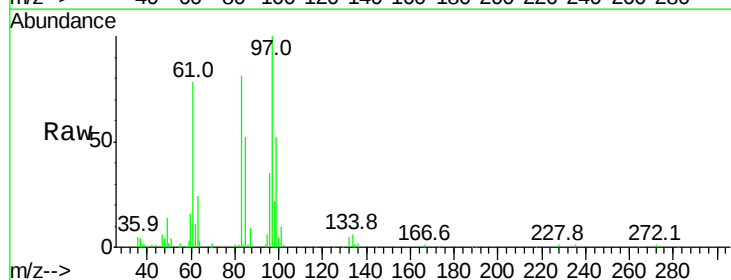
Tgt Ion: 75 Resp: 121739
 Ion Ratio Lower Upper
 75 100
 39 57.7 52.6 79.0
 77 27.5 26.5 39.7

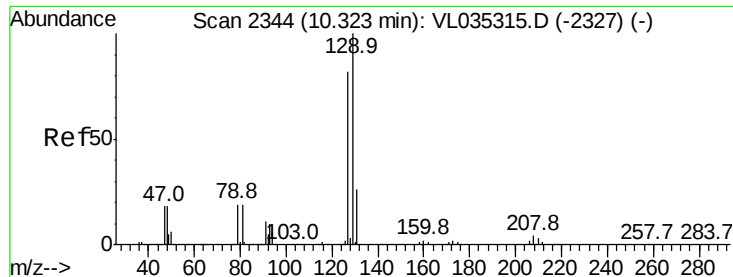


#47

1,1,2-Trichloroethane
 Concen: 0.994 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Tgt Ion: 97 Resp: 121774
 Ion Ratio Lower Upper
 97 100
 83 80.4 70.6 105.8
 85 52.3 47.8 71.8
 99 52.5 49.0 73.6





#48

Dibromochloromethane

Concen: 0.944 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

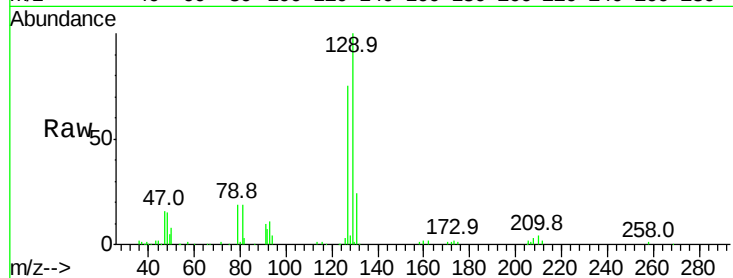
VSTDIC001

Tgt Ion:129 Resp: 182116

Ion Ratio Lower Upper

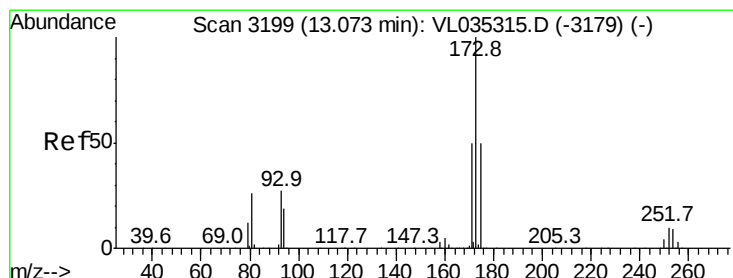
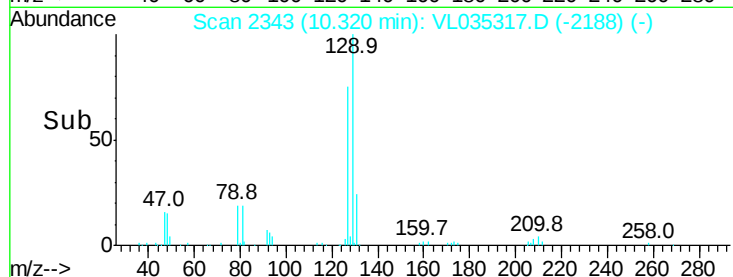
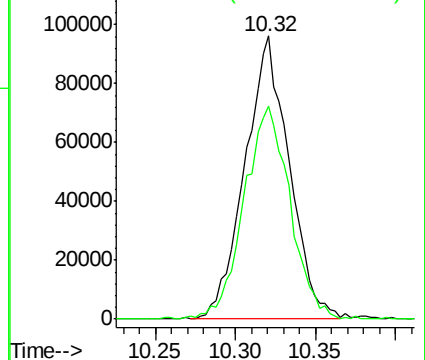
129 100

127 78.3 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.905 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

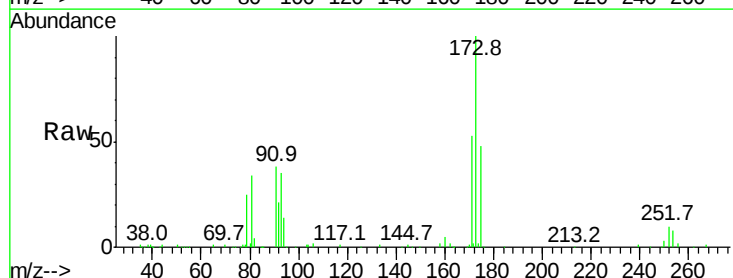
Tgt Ion:173 Resp: 156968

Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.6

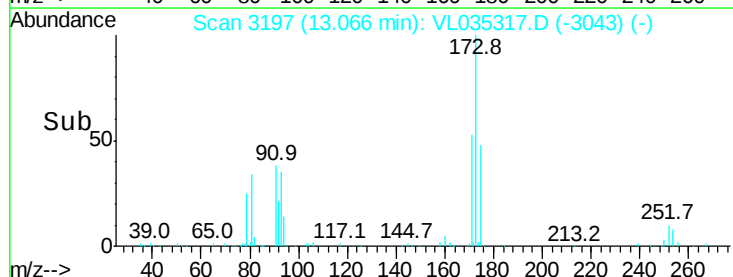
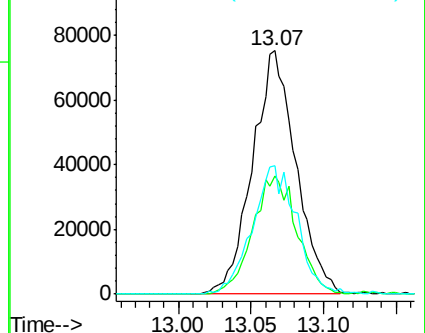
171 53.7 42.0 63.0

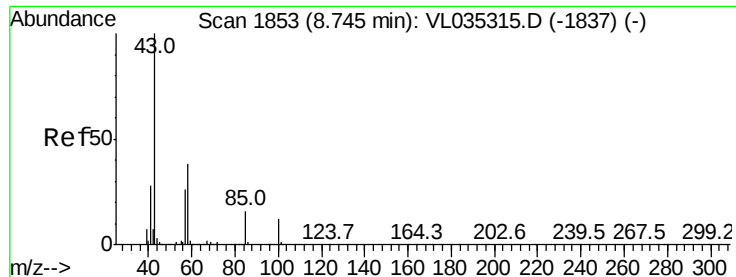


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

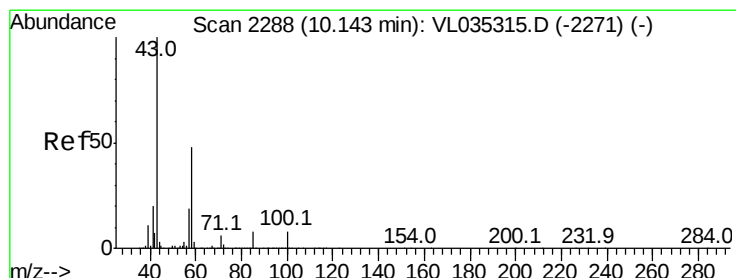
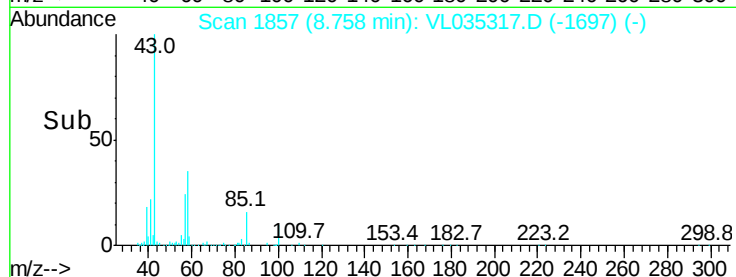
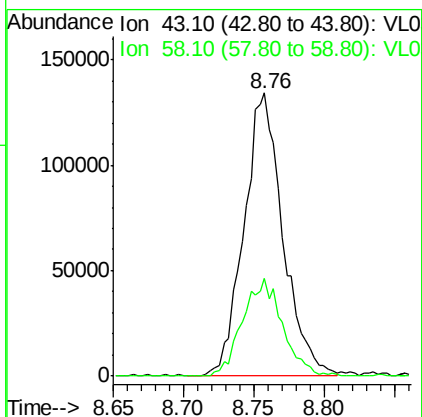
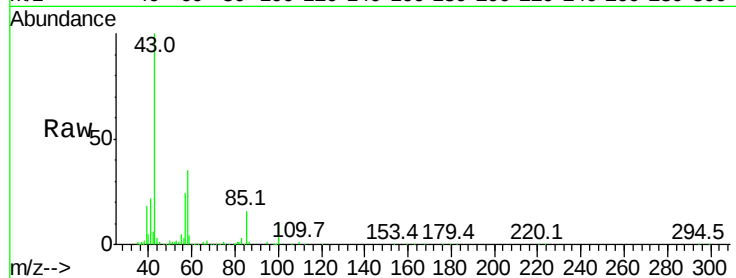




#50
 4-Methyl-2-Pentanone
 Concen: 0.942 ppbv
 RT: 8.76 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

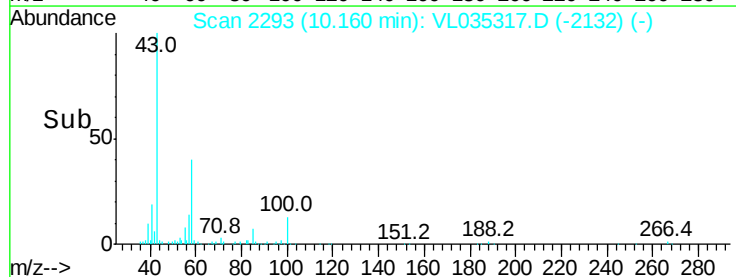
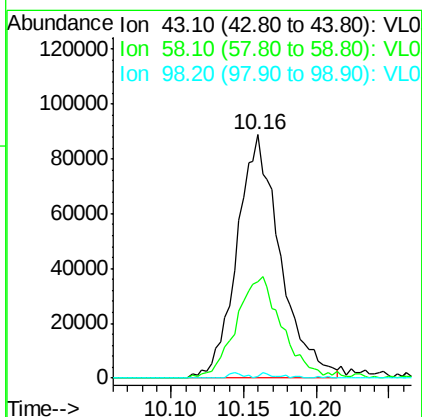
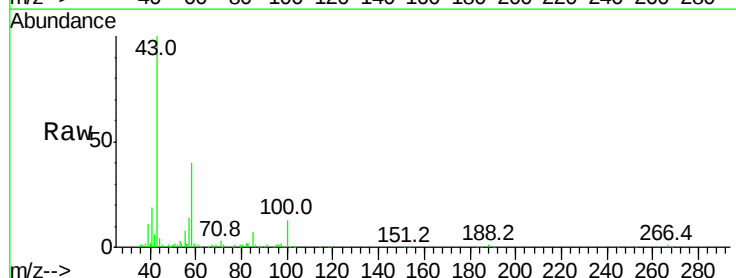
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

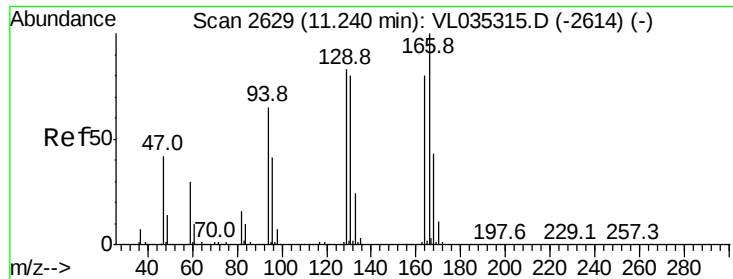
Tgt Ion: 43 Resp: 259782
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.8 44.6



#51
 2-Hexanone
 Concen: 0.884 ppbv
 RT: 10.16 min Scan# 2293
 Delta R.T. 0.02 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Tgt Ion: 43 Resp: 184794
 Ion Ratio Lower Upper
 43 100
 58 45.2 39.8 59.6
 98 0.8 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.381 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 37740

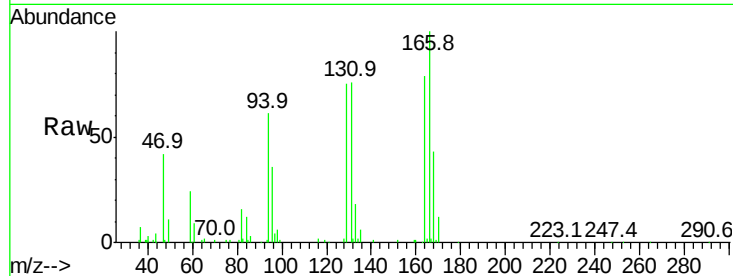
Ion Ratio Lower Upper

164 100

166 124.3 100.2 150.2

129 88.5 82.7 124.1

131 92.1 80.2 120.4

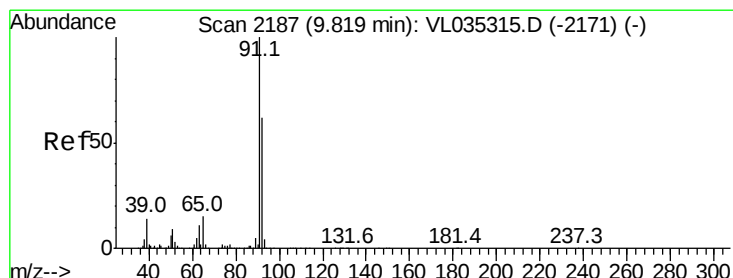
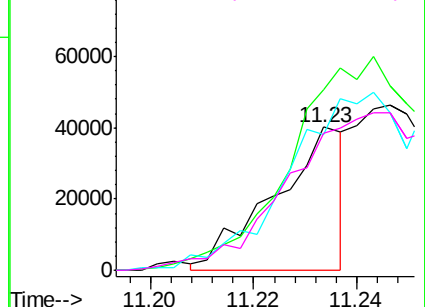
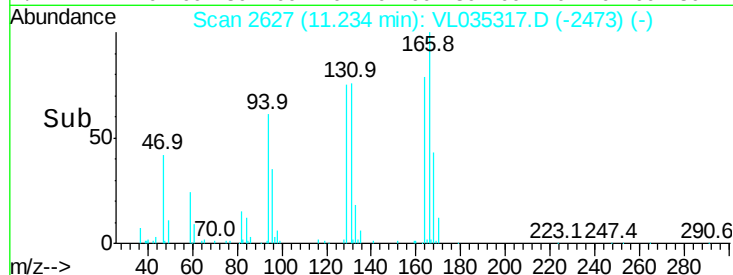


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.890 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL035317.D

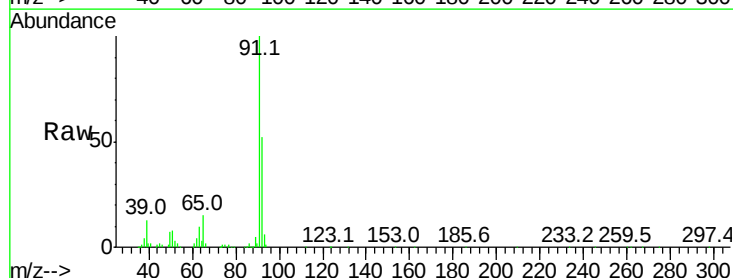
Acq: 3 Aug 2020 13:38

Tgt Ion: 91 Resp: 245743

Ion Ratio Lower Upper

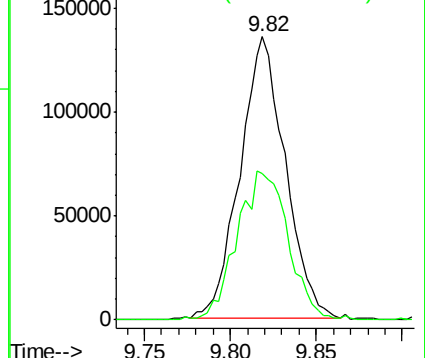
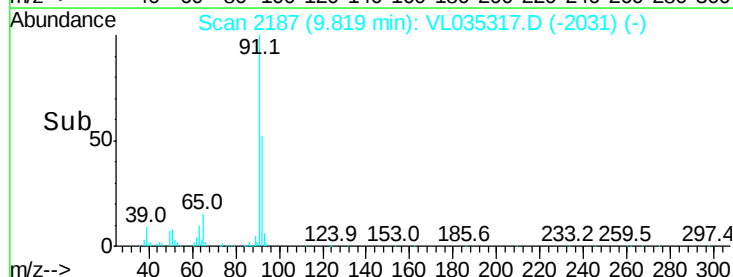
91 100

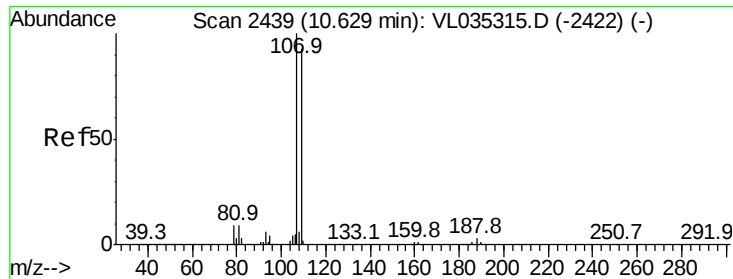
92 60.3 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.571 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

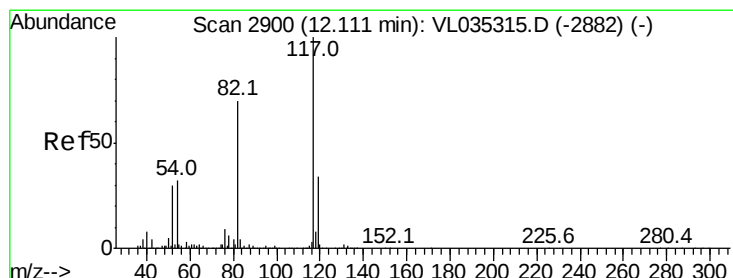
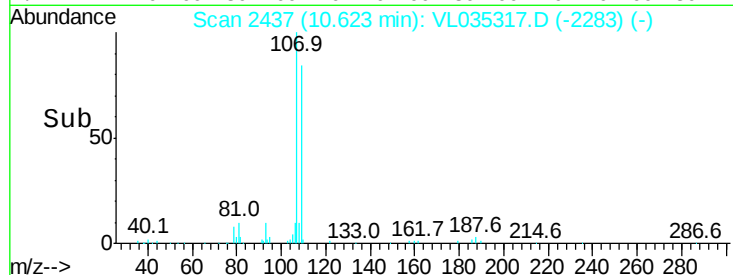
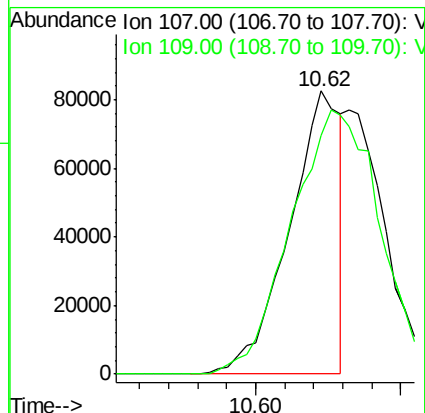
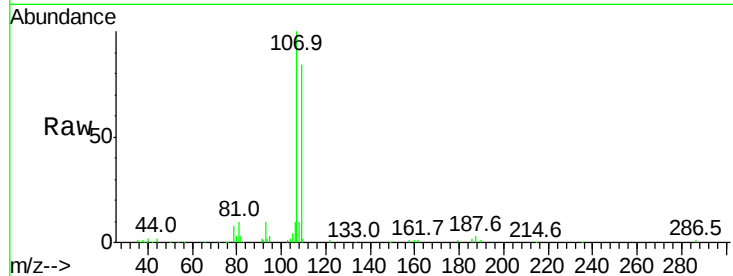
VSTDIC001

Tgt Ion:107 Resp: 101060

Ion Ratio Lower Upper

107 100

109 84.3 74.4 111.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

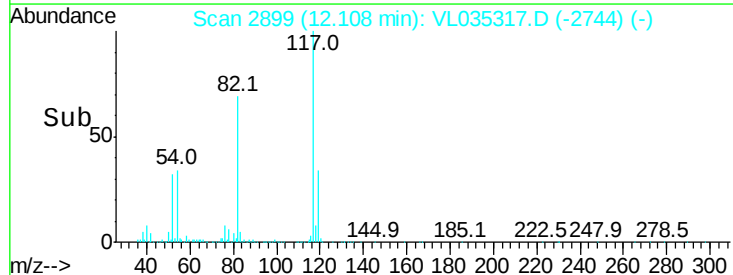
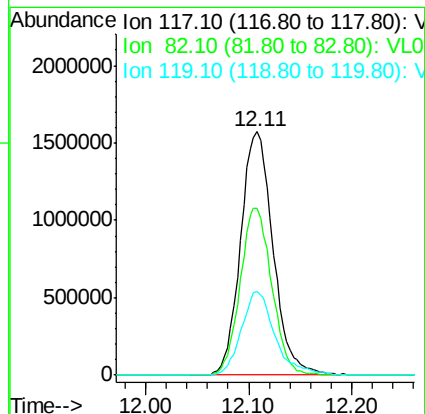
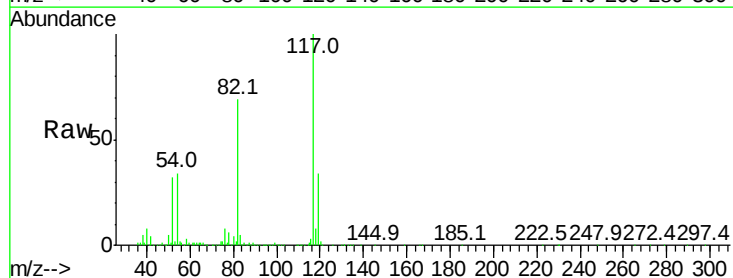
Tgt Ion:117 Resp: 3448660

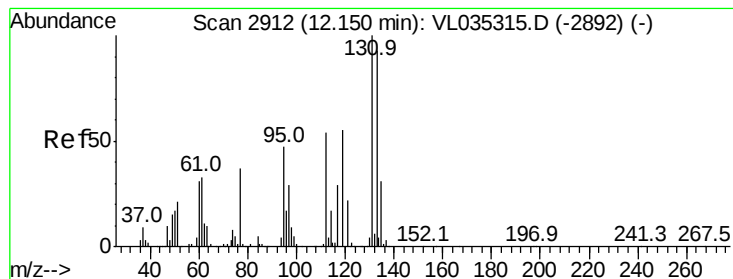
Ion Ratio Lower Upper

117 100

82 66.8 50.6 76.0

119 35.5 24.1 36.1





#56

1,1,1,2-Tetrachloroethane

Concen: 1.026 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

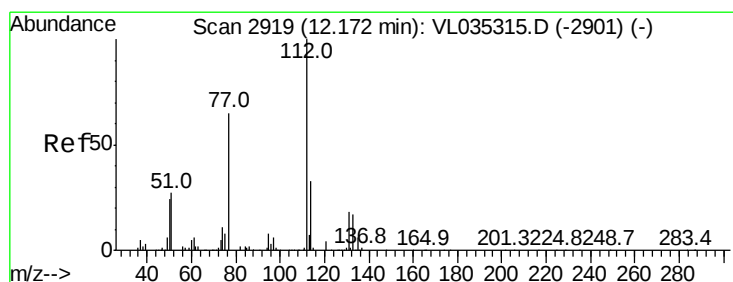
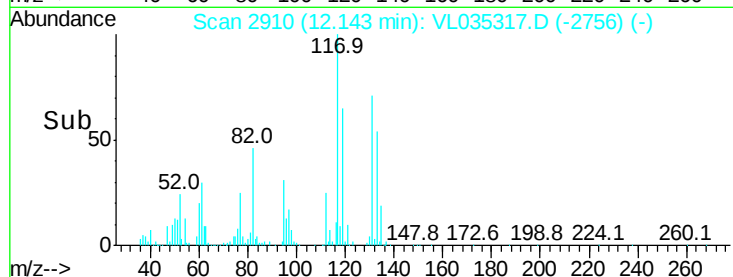
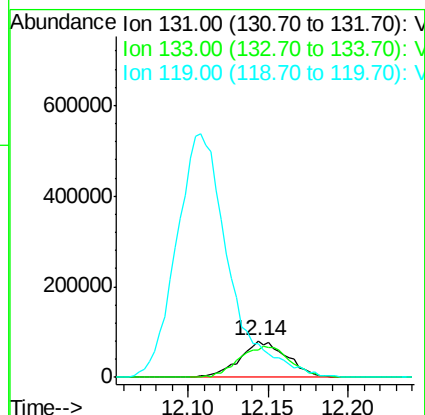
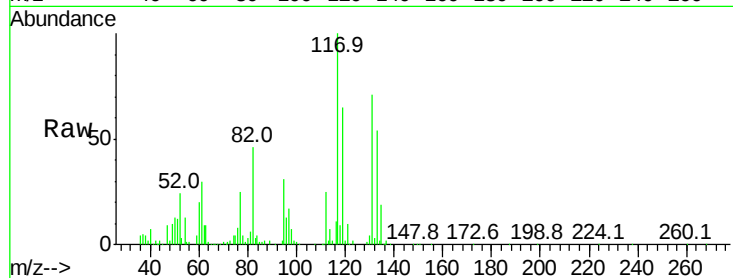
Tgt Ion:131 Resp: 162656

Ion Ratio Lower Upper

131 100

133 92.8 75.5 113.3

119 753.3 53.1 79.7#



#57

Chlorobenzene

Concen: 0.596 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

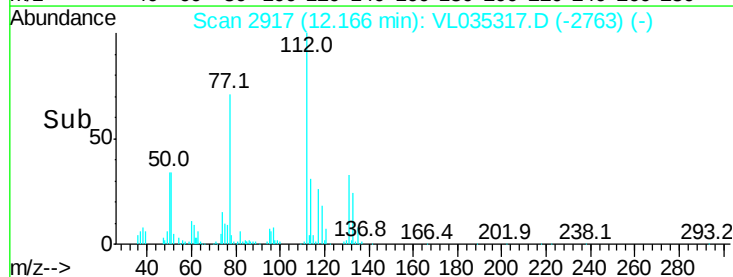
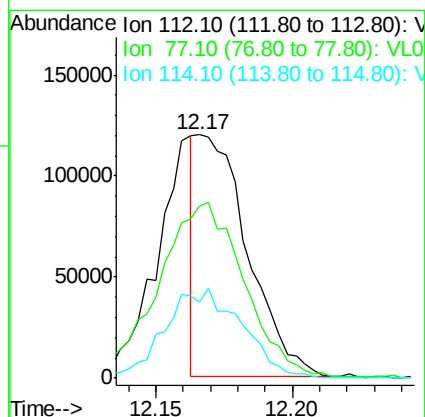
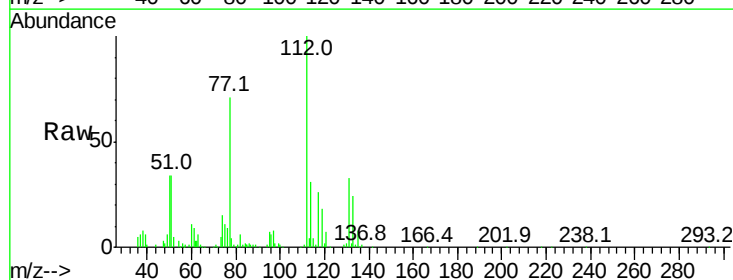
Tgt Ion:112 Resp: 154648

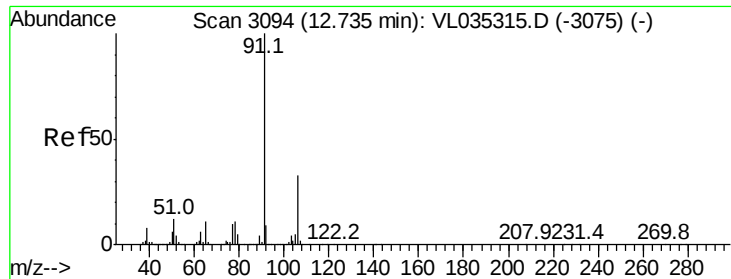
Ion Ratio Lower Upper

112 100

77 70.8 53.0 79.6

114 31.5 30.0 36.6





#58

Ethyl Benzene

Concen: 0.513 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

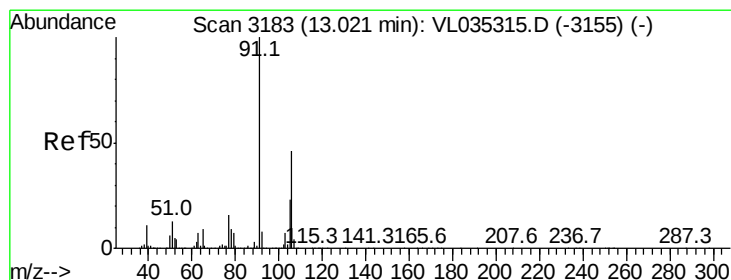
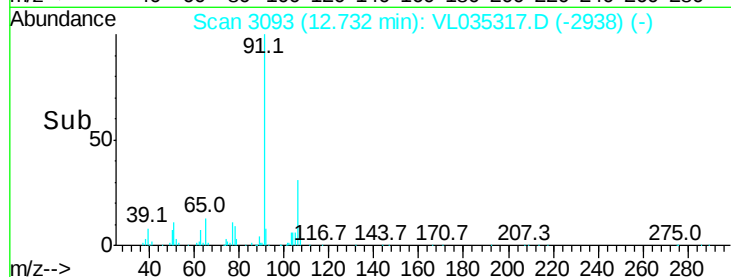
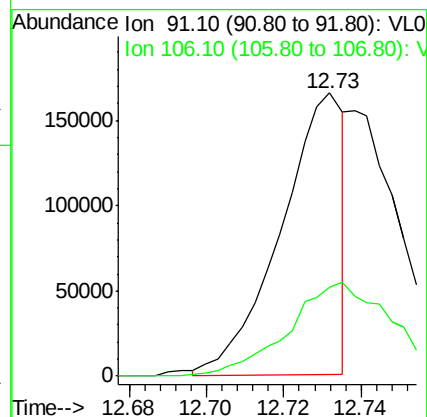
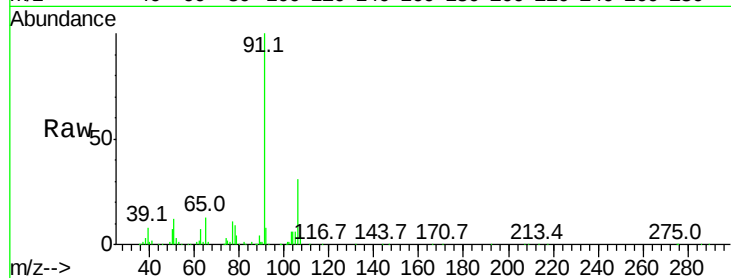
VSTDIC001

Tgt Ion: 91 Resp: 187407

Ion Ratio Lower Upper

91 100

106 31.5 26.3 39.5



#59

m/p-Xylene

Concen: 0.943 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL035317.D

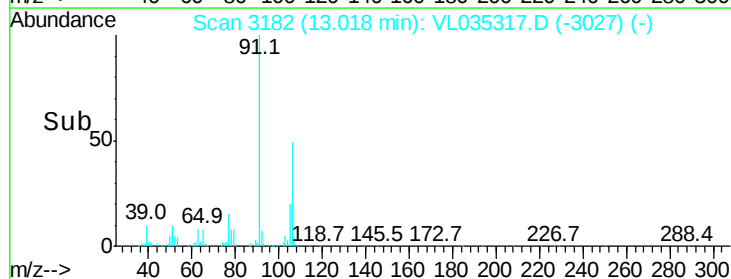
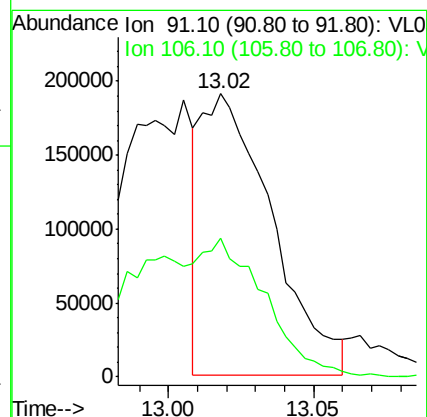
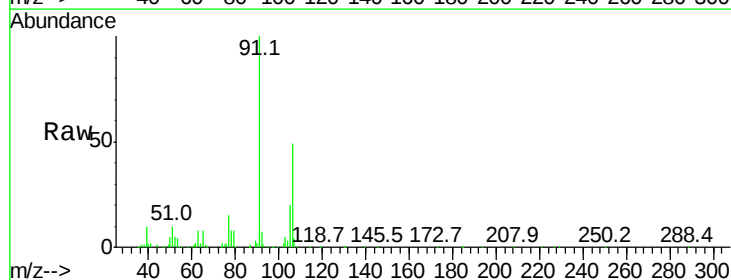
Acq: 3 Aug 2020 13:38

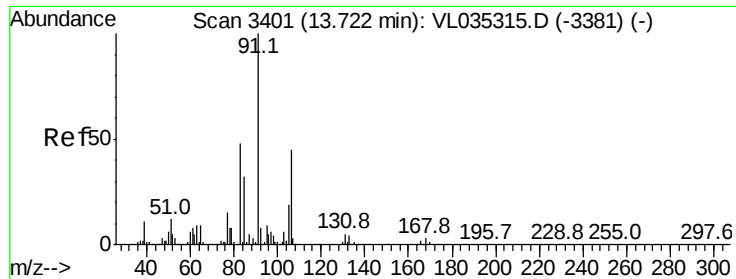
Tgt Ion: 91 Resp: 320717

Ion Ratio Lower Upper

91 100

106 95.9 36.6 55.0#

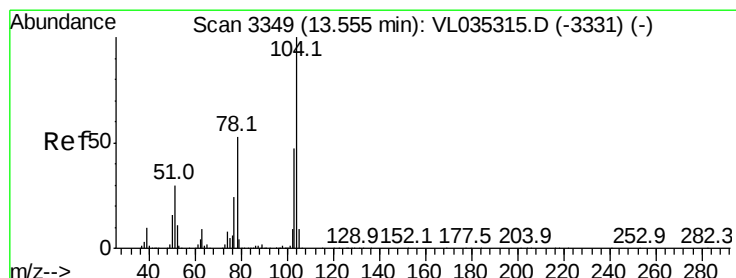
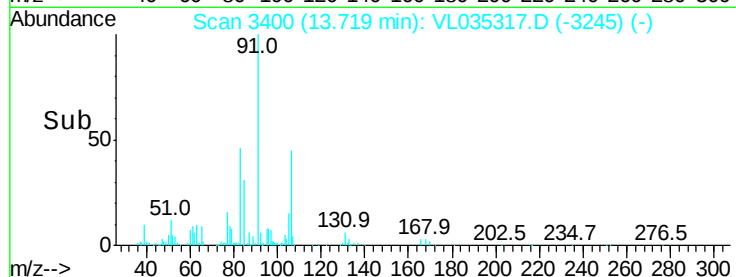
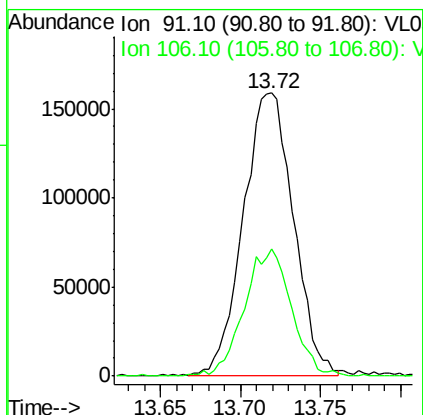
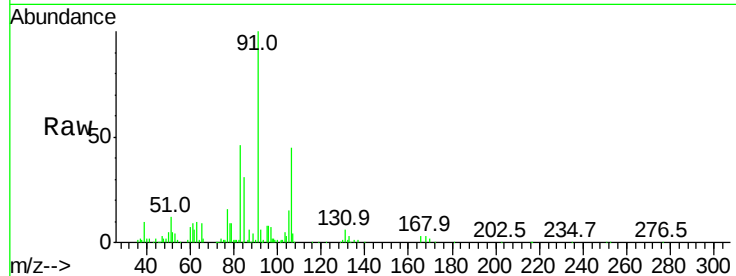




#60
o-Xylene
Concen: 1.003 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035317.D
Acq: 3 Aug 2020 13:38

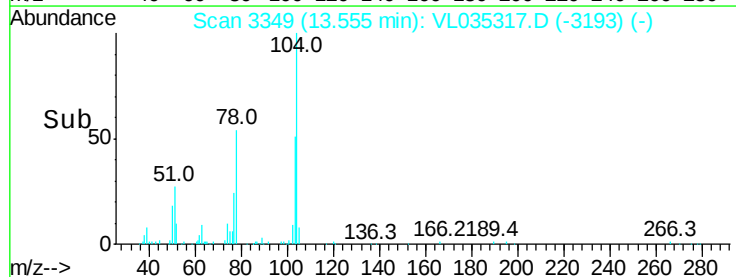
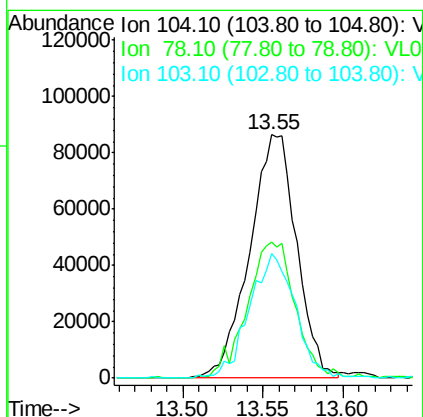
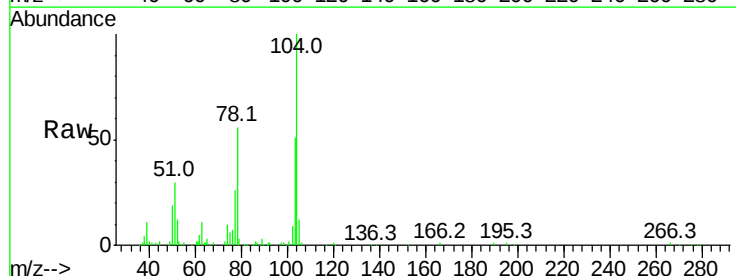
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

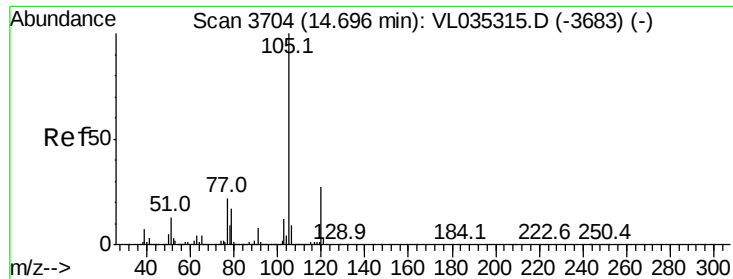
Tgt Ion: 91 Resp: 340116
Ion Ratio Lower Upper
91 100
106 42.5 22.4 67.3



#61
Styrene
Concen: 0.850 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035317.D
Acq: 3 Aug 2020 13:38

Tgt Ion: 104 Resp: 175020
Ion Ratio Lower Upper
104 100
78 57.2 43.1 64.7
103 50.4 37.6 56.4





#62

Isopropylbenzene

Concen: 1.042 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

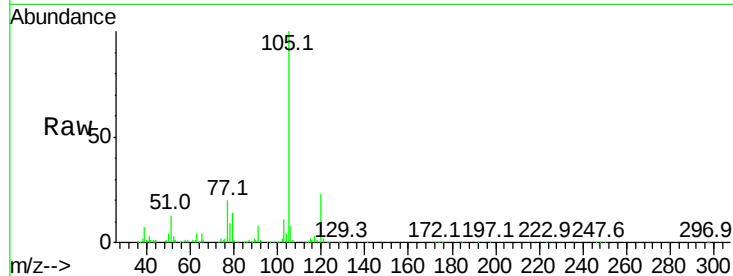
VSTDIC001

Tgt Ion:105 Resp: 526085

Ion Ratio Lower Upper

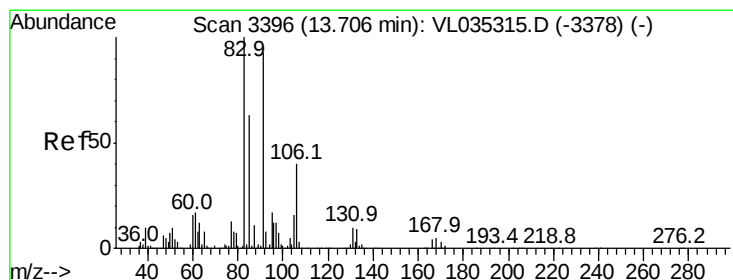
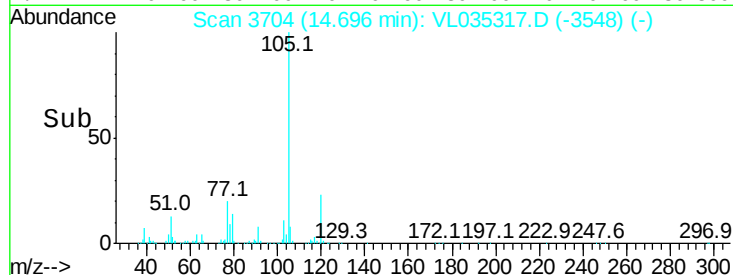
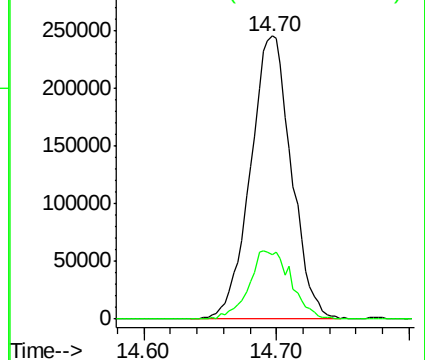
105 100

120 24.8 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: 0.979 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

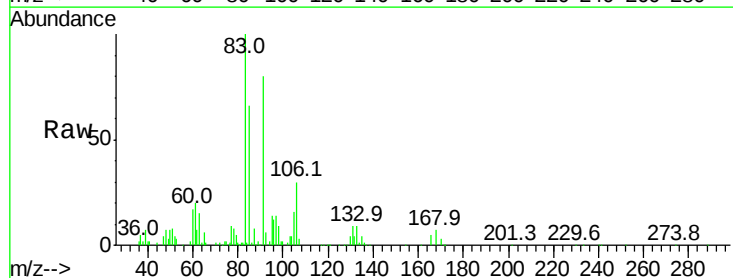
Tgt Ion: 83 Resp: 285762

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

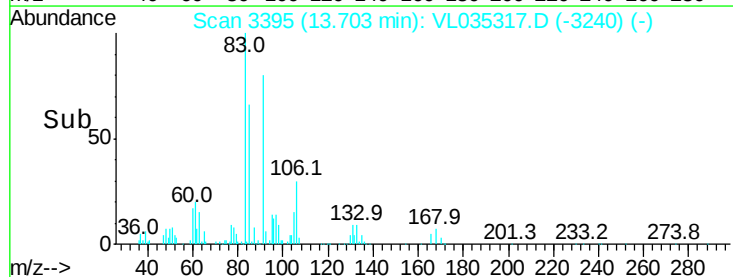
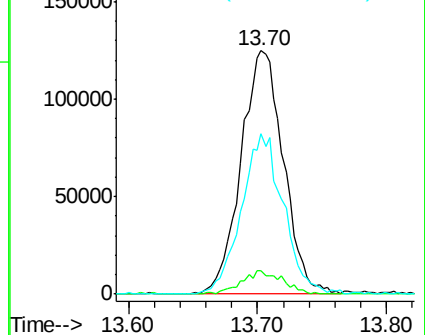
85 65.2 32.6 97.7

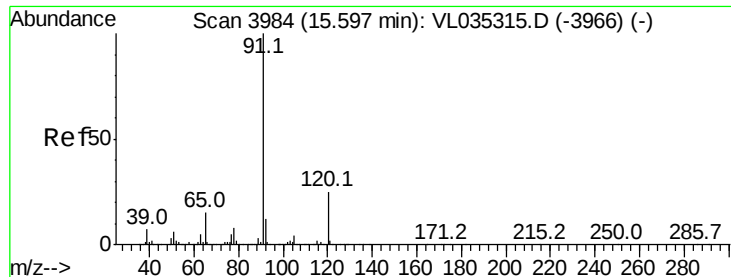


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.550 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

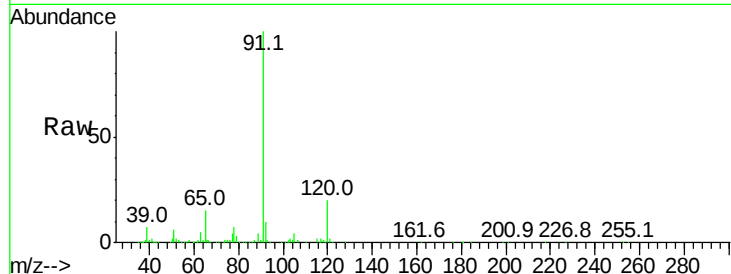
VSTDIC001

Tgt Ion:120 Resp: 73797

Ion Ratio Lower Upper

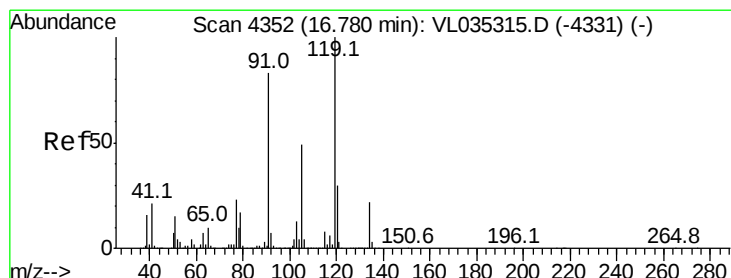
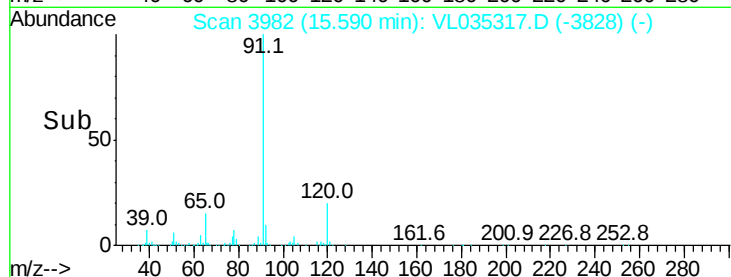
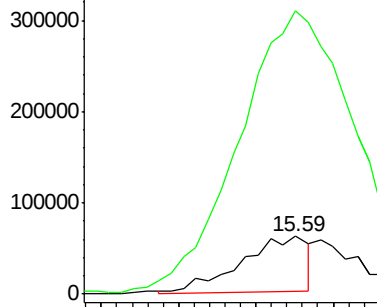
120 100

91 896.2 359.3 538.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 1.014 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

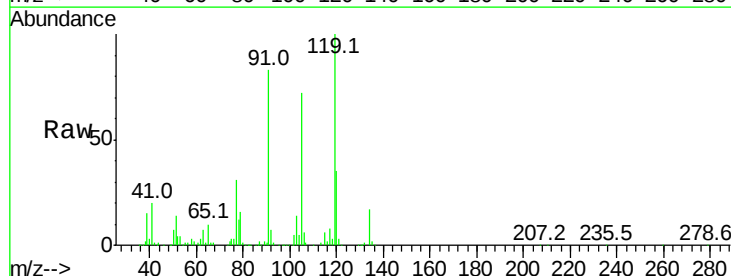
Tgt Ion:119 Resp: 464041

Ion Ratio Lower Upper

119 100

91 89.4 67.8 101.8

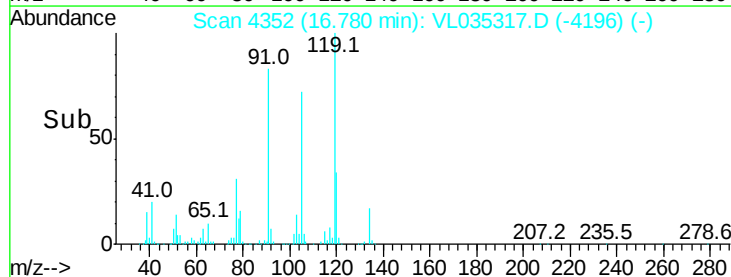
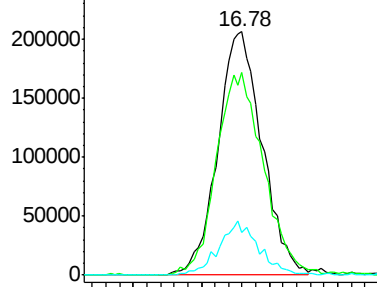
134 20.1 16.1 24.1

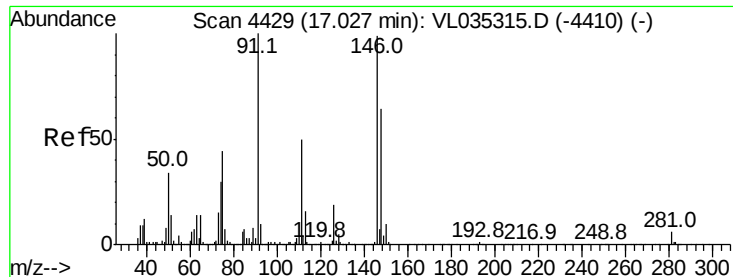


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

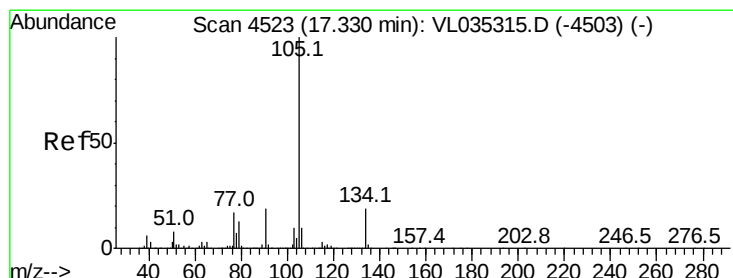
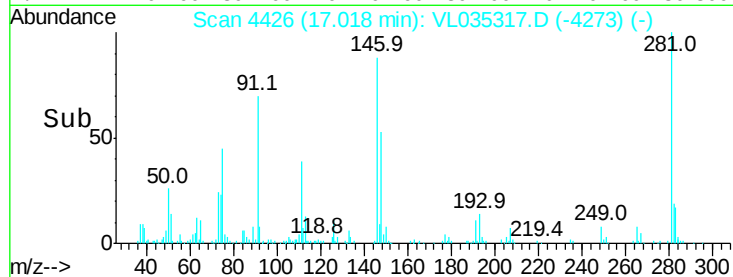
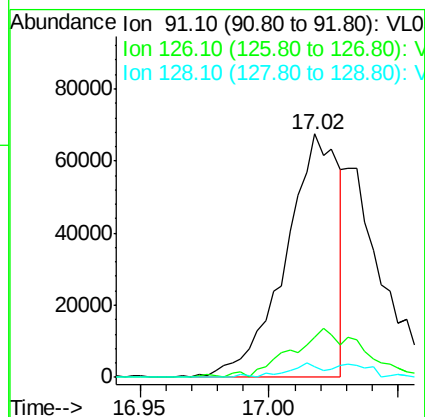
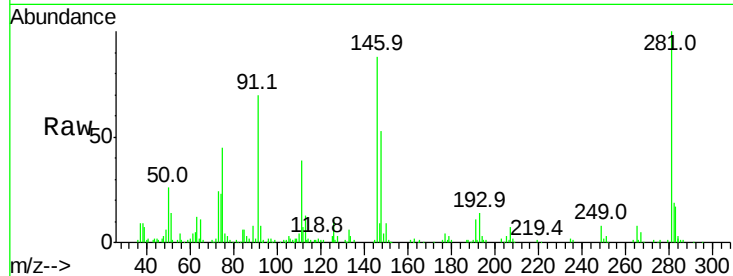




#66
Benzyl Chloride
Concen: 0.538 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL035317.D
Acq: 3 Aug 2020 13:38

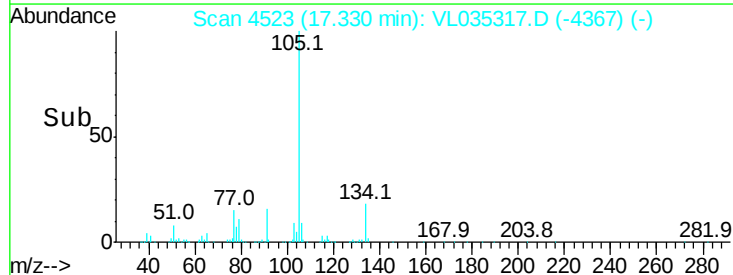
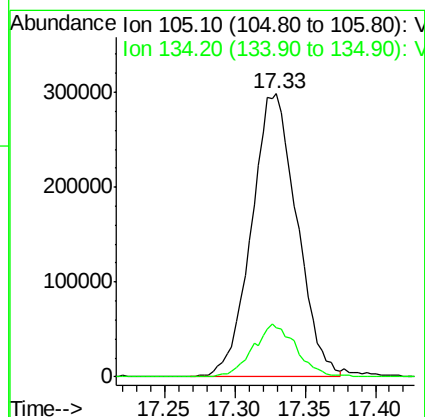
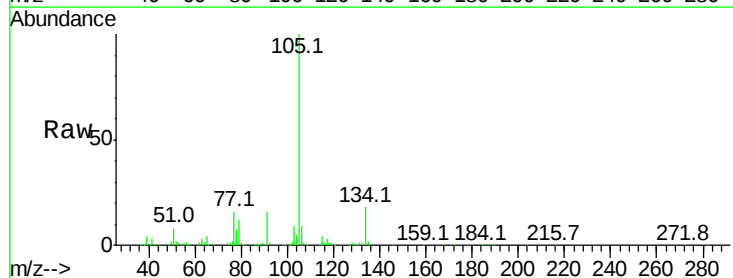
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

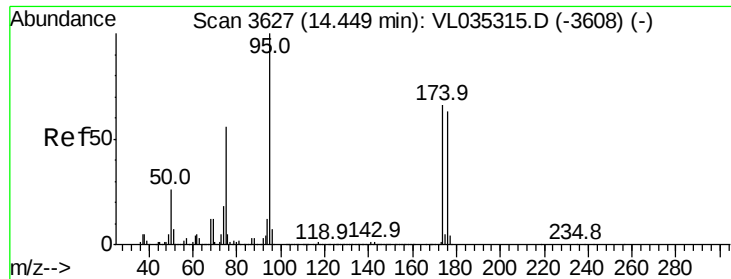
Tgt Ion: 91 Resp: 96306
Ion Ratio Lower Upper
91 100
126 28.3 13.8 20.8#
128 7.8 4.2 6.4#



#67
sec-Butylbenzene
Concen: 1.002 ppbv
RT: 17.33 min Scan# 4523
Delta R.T. 0.00 min
Lab File: VL035317.D
Acq: 3 Aug 2020 13:38

Tgt Ion: 105 Resp: 669533
Ion Ratio Lower Upper
105 100
134 17.9 15.1 22.7

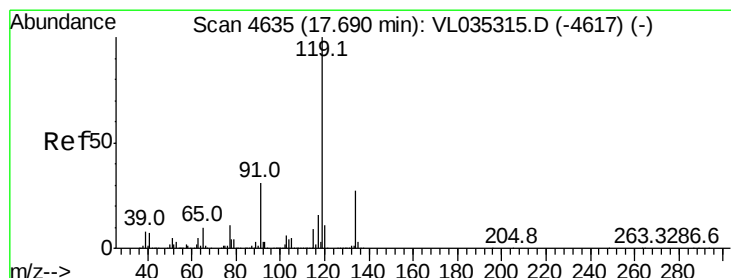
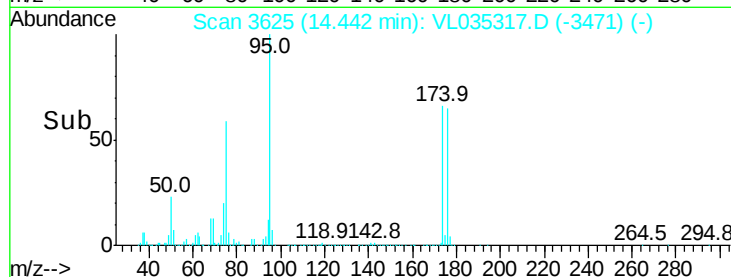
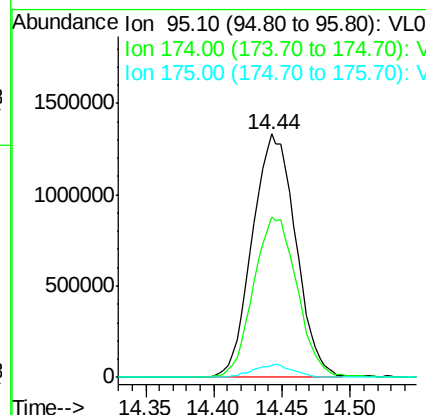
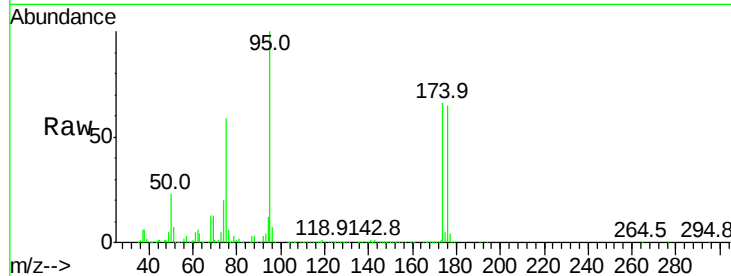




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.704 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

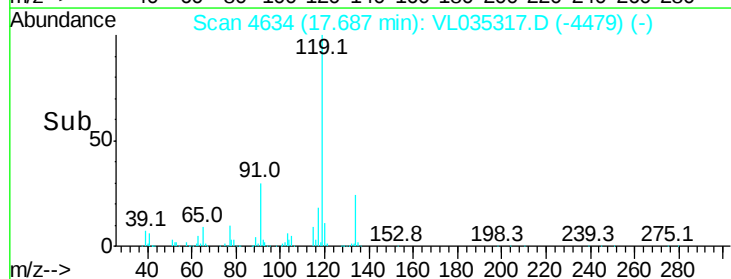
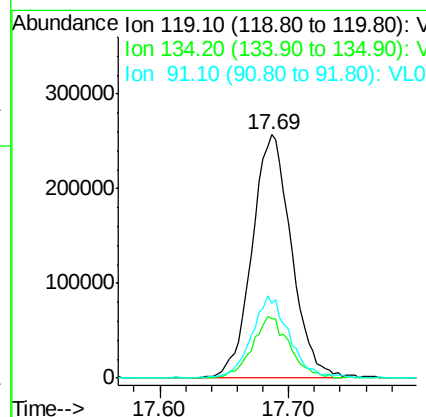
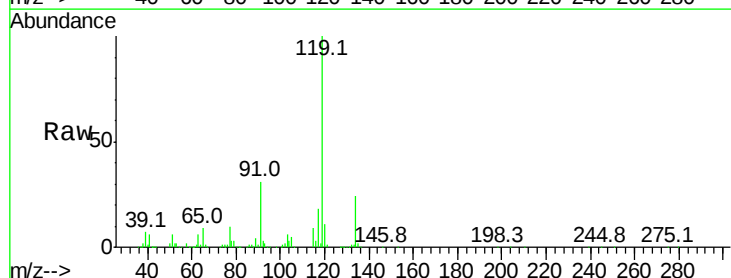
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

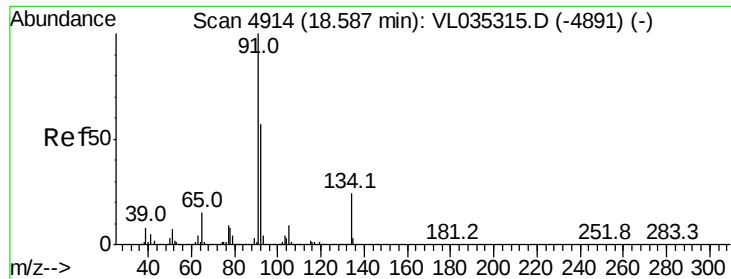
Tgt Ion: 95 Resp: 2949678
 Ion Ratio Lower Upper
 95 100
 174 66.5 52.5 78.7
 175 4.9 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 1.003 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Tgt Ion: 119 Resp: 546966
 Ion Ratio Lower Upper
 119 100
 134 24.0 21.2 31.8
 91 32.7 25.3 37.9

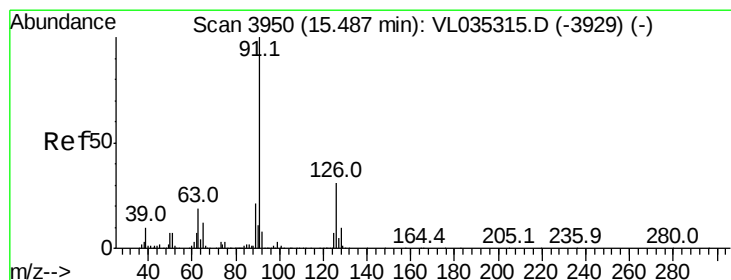
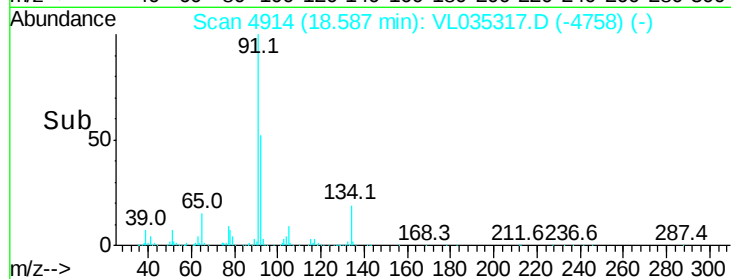
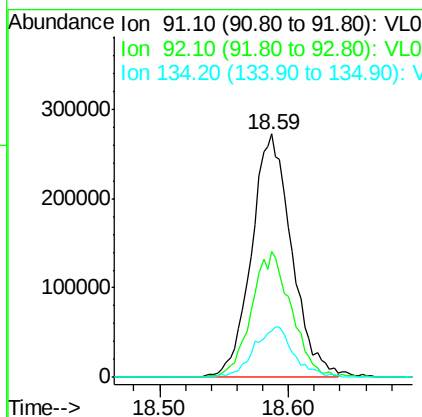
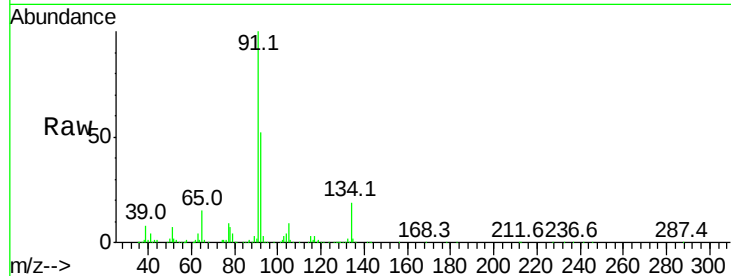




#70
n-Butylbenzene
Concen: 0.999 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL035317.D
Acq: 3 Aug 2020 13:38

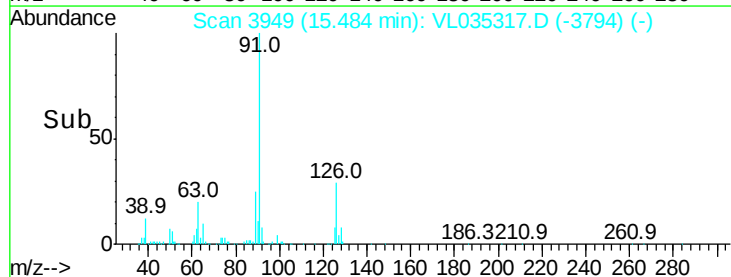
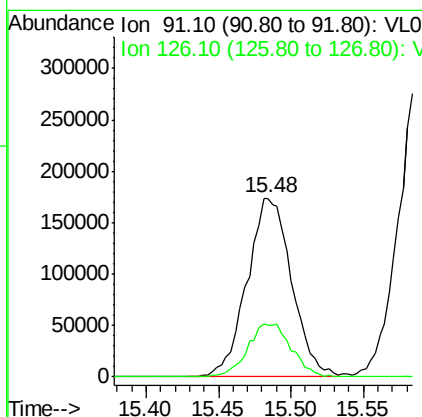
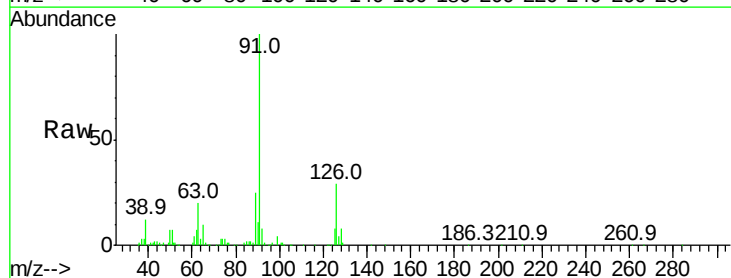
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

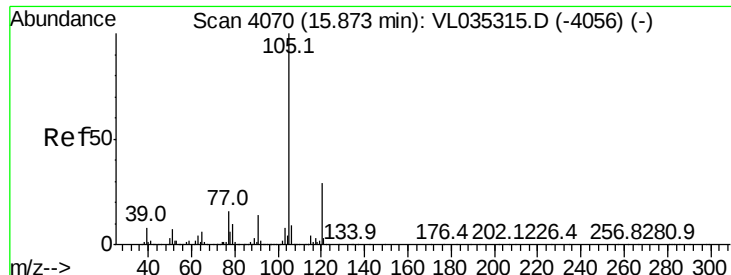
Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	44.6	66.8
134	20.6	18.6	27.8



#71
2-Chlorotoluene
Concen: 0.976 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL035317.D
Acq: 3 Aug 2020 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	12.3	49.3





#72

4-Ethyltoluene

Concen: 0.971 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 370688

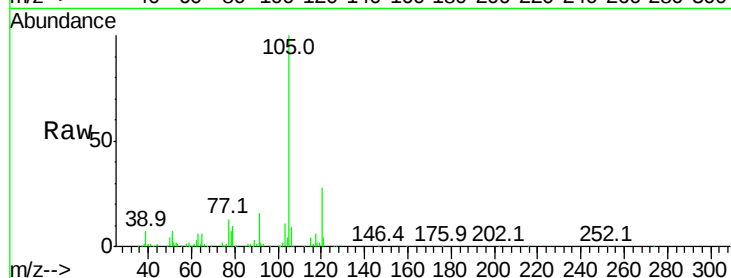
Ion Ratio Lower Upper

105 100

120 28.2 23.6 35.4

91 15.8 11.3 16.9

77 14.8 11.8 17.6

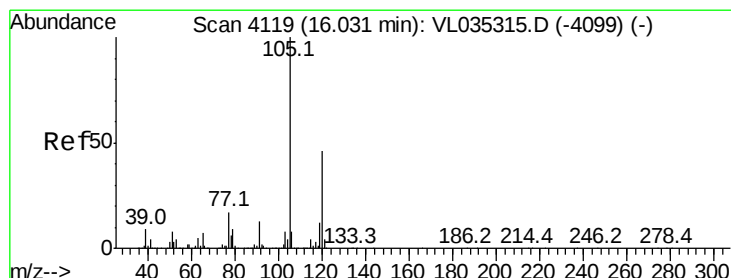
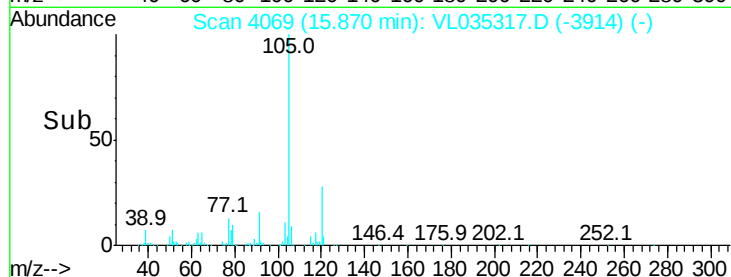
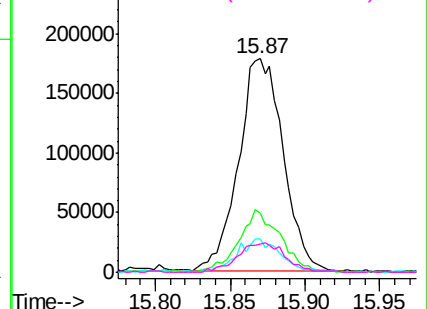


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 1.016 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL035317.D

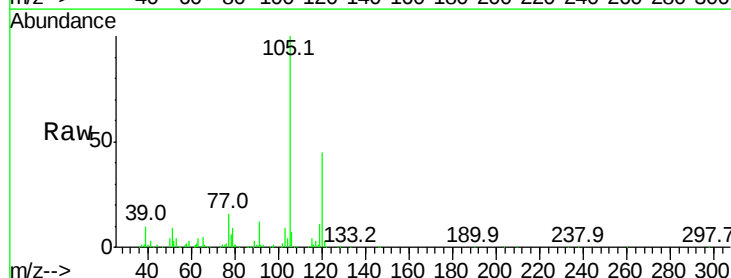
Acq: 3 Aug 2020 13:38

Tgt Ion:105 Resp: 378259

Ion Ratio Lower Upper

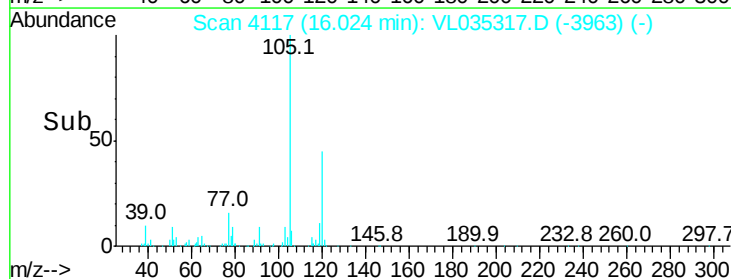
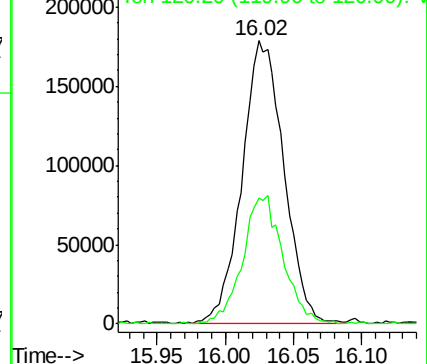
105 100

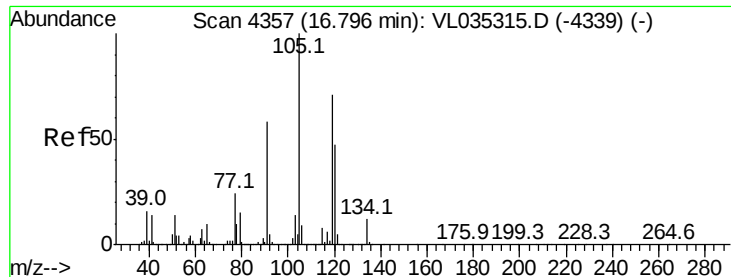
120 44.7 36.6 54.8



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: 1.034 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 448454

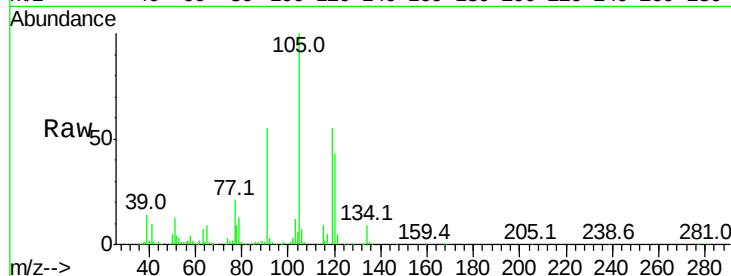
Ion Ratio Lower Upper

105 100

120 42.3 38.0 57.0

91 54.0 47.9 71.9

77 20.4 19.6 29.4

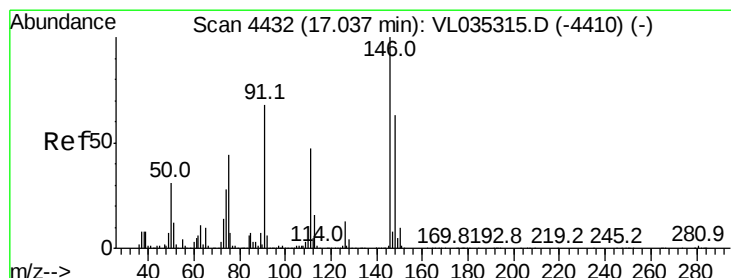
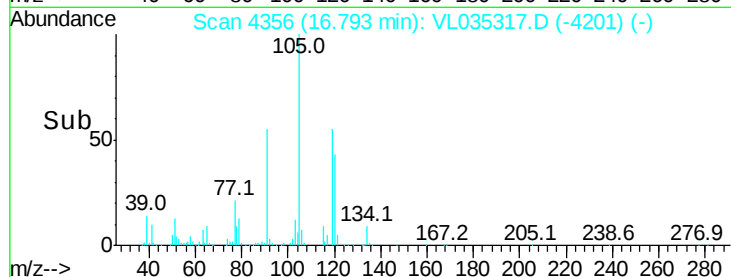
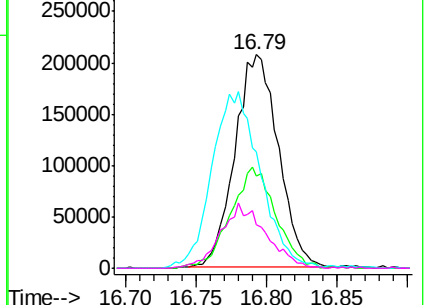


Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.004 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.01 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

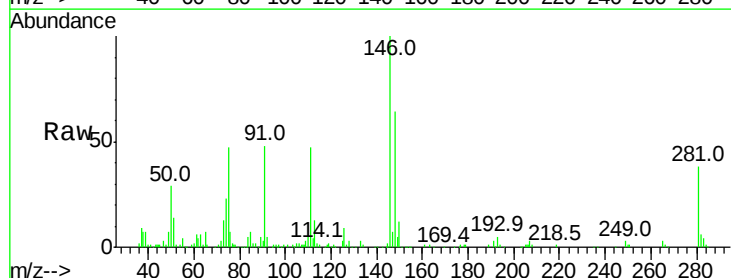
Tgt Ion:146 Resp: 280938

Ion Ratio Lower Upper

146 100

111 48.3 24.2 72.6

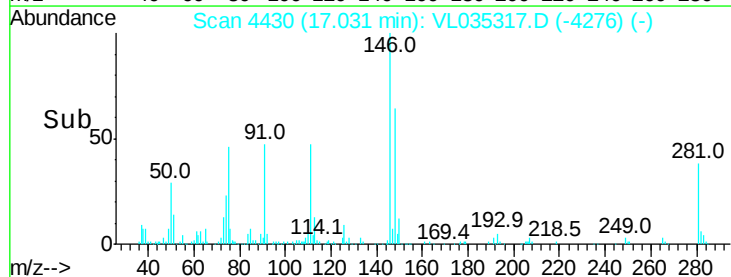
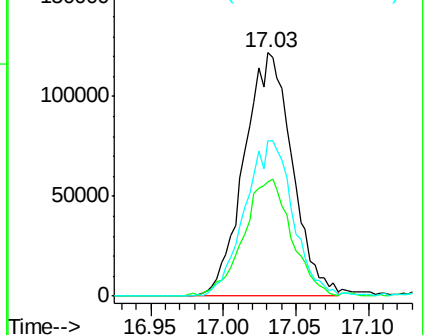
148 64.3 32.4 97.0

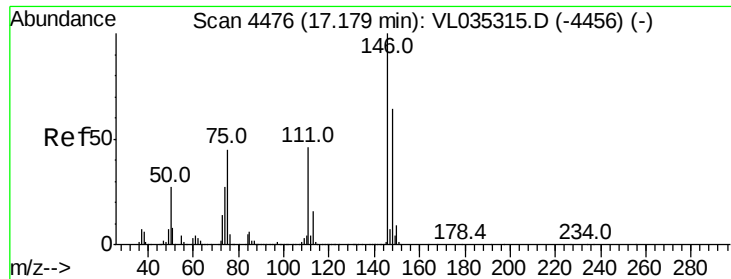


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

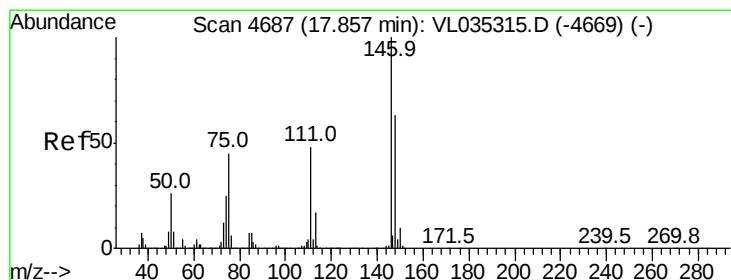
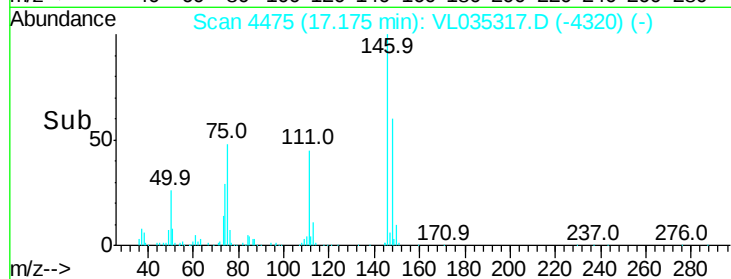
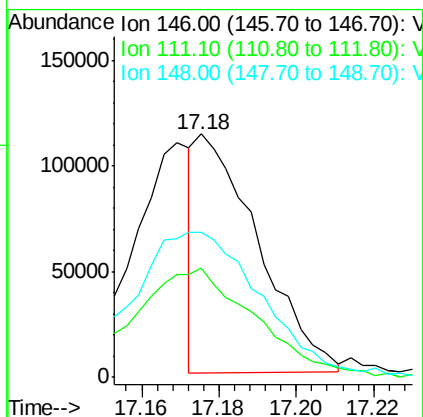
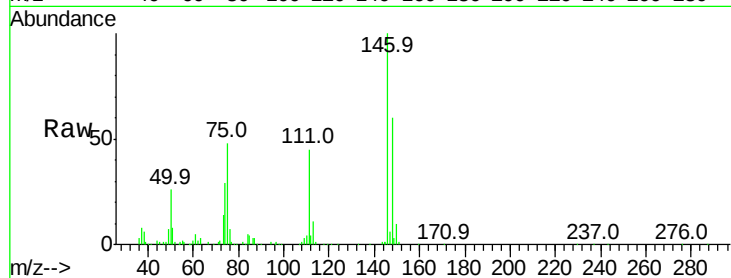




#76
 1,4-Dichlorobenzene
 Concen: 0.494 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

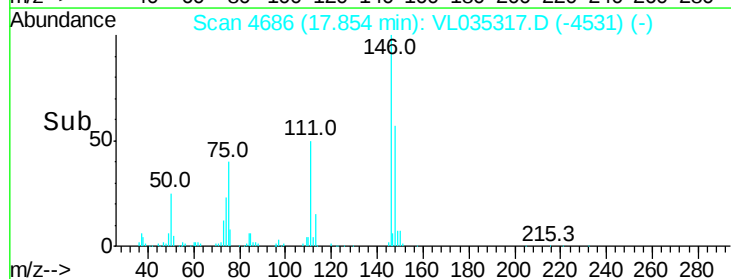
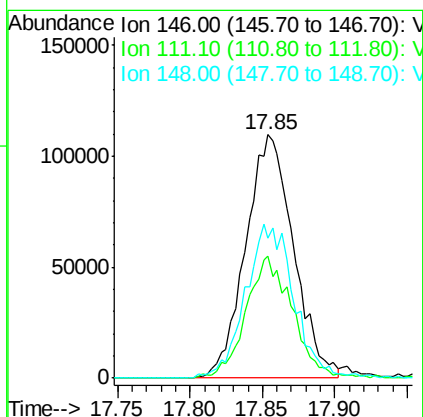
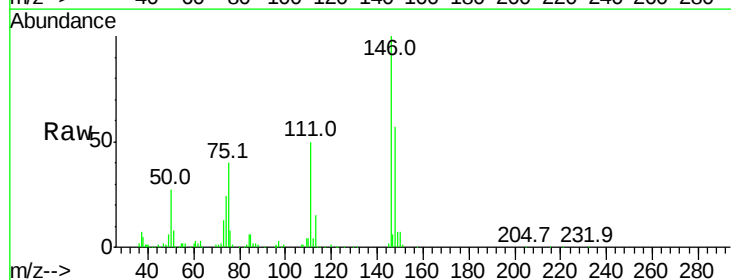
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

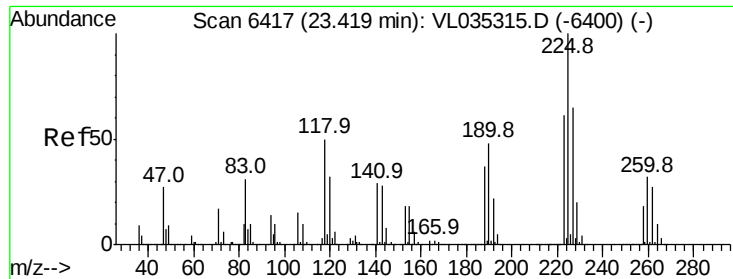
Tgt Ion:146 Resp: 125165
 Ion Ratio Lower Upper
 146 100
 111 93.5 23.6 70.8#
 148 133.9 32.8 98.4#



#77
 1,2-Dichlorobenzene
 Concen: 1.004 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035317.D
 Acq: 3 Aug 2020 13:38

Tgt Ion:146 Resp: 251780
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.6 73.6
 148 64.3 32.3 96.8





#78

Hexachloro-1,3-Butadiene

Concen: 0.579 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. -0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

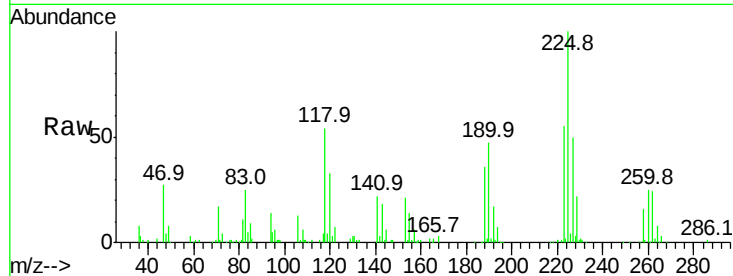
Tgt Ion:225 Resp: 118897

Ion Ratio Lower Upper

225 100

223 107.8 50.2 75.4#

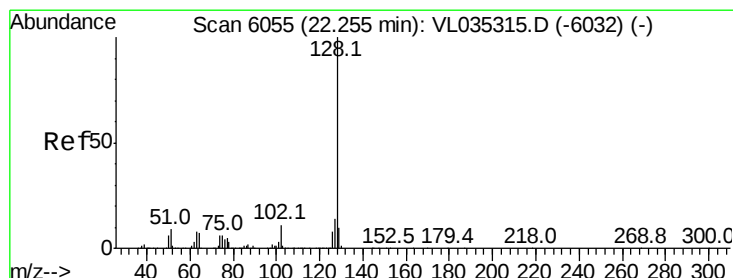
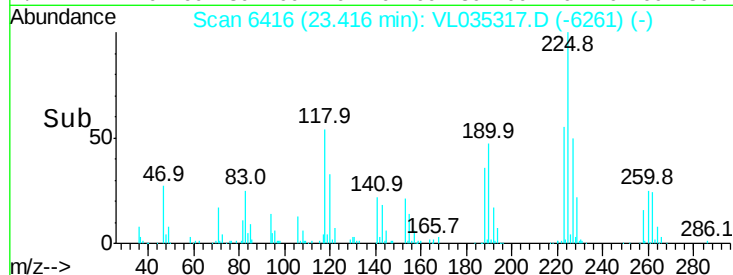
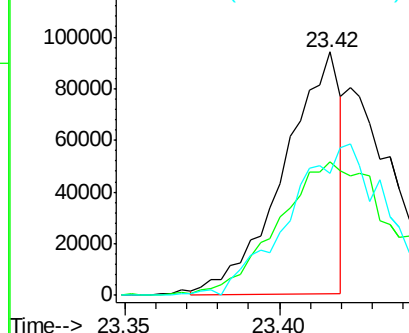
227 0.0 52.7 79.1#



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: 0.868 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

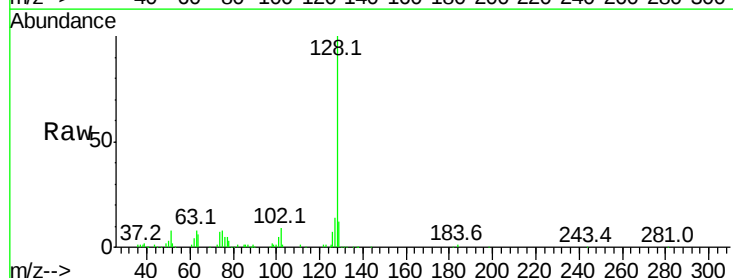
Tgt Ion:128 Resp: 299238

Ion Ratio Lower Upper

128 100

127 14.5 10.8 16.2

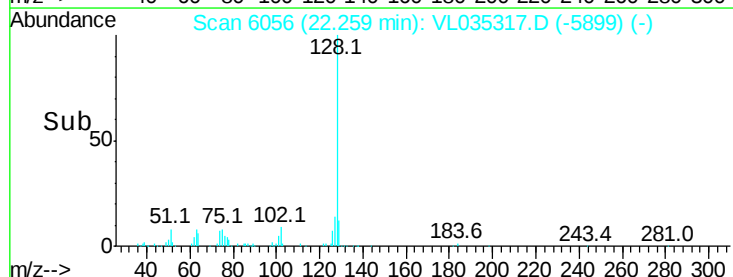
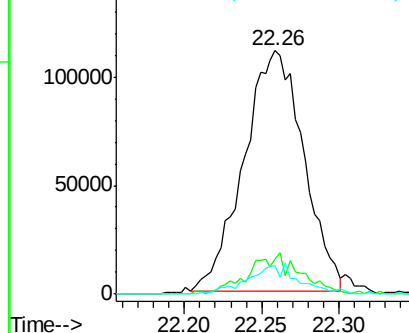
129 11.8 8.4 12.6

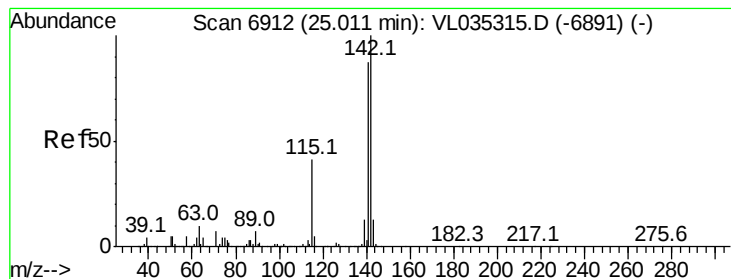


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.533 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

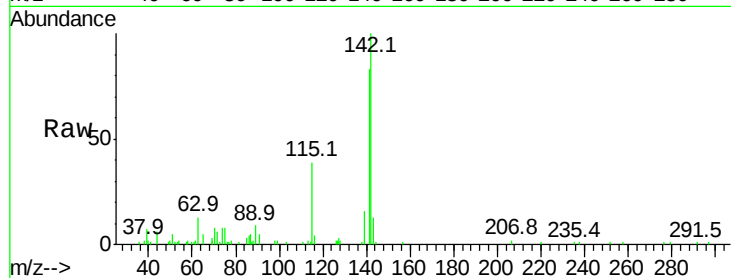
Tgt Ion:142 Resp: 59452

Ion Ratio Lower Upper

142 100

141 86.6 68.3 102.5

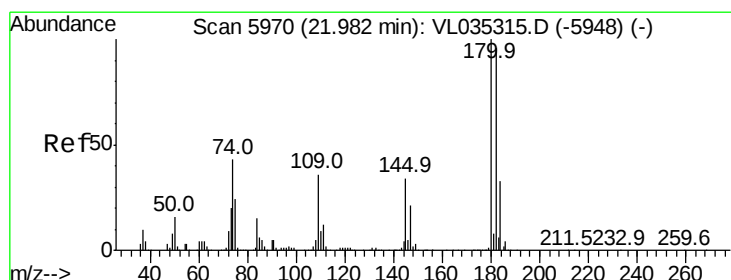
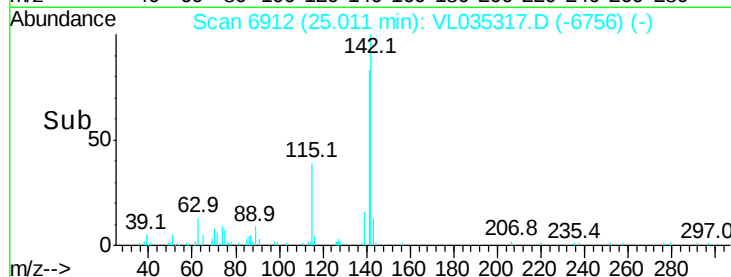
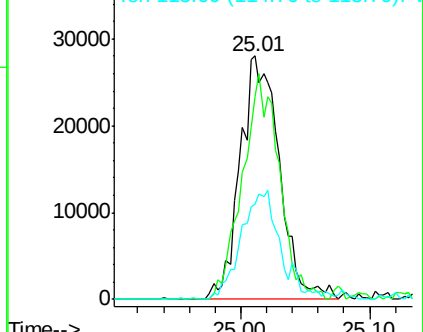
115 45.8 35.0 52.4



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: 0.527 ppbv

RT: 21.98 min Scan# 5970

Delta R.T. 0.00 min

Lab File: VL035317.D

Acq: 3 Aug 2020 13:38

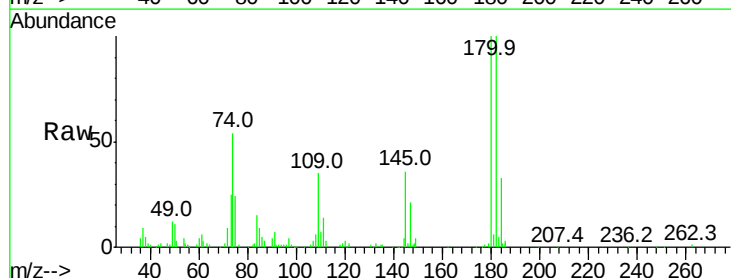
Tgt Ion:180 Resp: 110599

Ion Ratio Lower Upper

180 100

182 172.9 76.9 115.3#

184 55.7 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

