

Data File : VL033117.D
Acq On : 28 Jan 2019 17:36
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Jan 28 19:41:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 28 16:32:44 2019
QLast Update : Mon Jan 28 16:32:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1135684	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2903752	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2728298	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2651022	12.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	126.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	154373	0.730	ppbv	100
3) Chlorodifluoromethane	3.01	51	86352	0.672	ppbv	96
4) Chloromethane	3.17	50	44798	0.608	ppbv	92
5) Vinyl Chloride	3.28	62	44043	0.592	ppbv	98
6) Bromomethane	3.51	94	30136	0.597	ppbv	98
7) Chloroethane	3.59	64	18029	0.620	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	122788	0.674	ppbv	99
9) Propene	3.04	41	28971	0.603	ppbv	95
10) Heptane	8.24	43	68554	0.501	ppbv	97
11) Trichlorofluoromethane	4.00	101	131976	0.565	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	93119	0.631	ppbv	98
13) Ethanol	3.66	45	7367	0.385	ppbv #	38
14) Bromoethene	3.79	108	37370	0.573	ppbv	99
15) Acetone	3.91	43	90536	0.576	ppbv	99
16) 1,3-Butadiene	3.36	39	33041	0.557	ppbv	96
18) 1,1-Dichloroethene	4.35	96	38750	0.570	ppbv	95
19) Isopropyl Alcohol	4.03	45	58019	0.536	ppbv #	94
20) Methylene Chloride	4.40	84	43017	0.656	ppbv	96
21) Allyl Chloride	4.47	41	56609	0.581	ppbv	95
22) trans-1,2-Dichloroethene	4.96	96	26265	0.390	ppbv	88
23) Vinyl Acetate	5.16	43	108574	0.543	ppbv #	96
24) 1,1-Dichloroethane	5.09	63	99185	0.584	ppbv	96
25) Ethyl Acetate	5.77	43	145714	0.548	ppbv	99
26) Hexane	5.78	57	67379	0.539	ppbv	93
27) Carbon Disulfide	4.62	76	88464	0.573	ppbv #	94
28) Methyl tert-Butyl Ether	5.12	73	100049	0.512	ppbv	99
29) Chloroform	5.84	83	122885	0.576	ppbv	96
30) Cyclohexane	7.25	84	41091	0.440	ppbv	82
31) cis-1,2-Dichloroethene	5.63	61	56664	0.488	ppbv	98
32) 1,1,1-Trichloroethane	6.61	97	164346	0.759	ppbv	98
34) 2-Butanone	5.34	43	83962	0.498	ppbv	99
35) Carbon Tetrachloride	7.13	117	163205	0.654	ppbv	97
36) Benzene	7.00	78	155520	0.654	ppbv	96
37) 1,2-Dichloroethane	6.40	62	118672	0.715	ppbv	98
38) Trichloroethene	7.96	130	50359	0.515	ppbv	97
39) 1,2-Dichloropropane	7.73	63	47384	0.530	ppbv	91
41) Tetrahydrofuran	6.16	42	26671	0.311	ppbv #	37
42) Bromodichloromethane	7.91	83	129736	0.569	ppbv #	98
43) Methyl Methacrylate	8.14	69	40147	0.450	ppbv	98
44) 2,2,4-Trimethylpentane	7.99	57	202125	0.502	ppbv	92
45) t-1,3-Dichloropropene	9.41	75	21186	0.191	ppbv	92

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VSTDIC0.5

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.83	75	55423	0.437	ppbv	89
47) 1,1,2-Trichloroethane	9.61	97	56928	0.545	ppbv	94
48) Dibromochloromethane	10.44	129	95083	0.515	ppbv	98
49) Bromoform	13.20	173	81630	0.507	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	64237	0.300	ppbv #	38
51) 2-Hexanone	10.30	43	31512	0.204	ppbv #	52
52) Tetrachloroethene	11.37	164	28240	0.336	ppbv	90
53) Toluene	9.94	91	103057	0.404	ppbv	97
54) 1,2-Dibromoethane	10.76	107	67135	0.446	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.27	131	79046	0.561	ppbv #	1
57) Chlorobenzene	12.30	112	124488	0.547	ppbv	88
58) Ethyl Benzene	12.86	91	134834	0.391	ppbv	95
59) m/p-Xylene	13.15	91	170432	0.535	ppbv #	100
60) o-Xylene	13.85	91	109208	0.350	ppbv #	60
61) Styrene	13.68	104	86326	0.434	ppbv	96
62) Isopropylbenzene	14.82	105	264423	0.596	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	162900	0.703	ppbv	99
64) n-propylbenzene	15.72	120	61513	0.545	ppbv	81
65) tert-Butylbenzene	16.91	119	113337	0.288	ppbv #	18
66) Benzyl Chloride	17.15	91	100522	0.448	ppbv	96
67) sec-Butylbenzene	17.46	105	317151	0.564	ppbv	99
69) p-Isopropyltoluene	17.82	119	240913	0.527	ppbv	95
70) n-Butylbenzene	18.71	91	230237	0.501	ppbv	97
71) 2-Chlorotoluene	15.61	91	94880	0.301	ppbv #	61
72) 4-Ethyltoluene	16.00	105	170588	0.498	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.16	105	177572	0.525	ppbv	88
74) 1,2,4-Trimethylbenzene	16.92	105	204779	0.547	ppbv #	89
75) 1,3-Dichlorobenzene	17.16	146	66829	0.303	ppbv #	17
76) 1,4-Dichlorobenzene	17.30	146	61648	0.307	ppbv #	23
77) 1,2-Dichlorobenzene	17.98	146	65080	0.328	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.54	225	83941	0.550	ppbv	99
79) Naphthalene	22.42	128	47236	0.150	ppbv	97
80) Naphthalene,2-methyl-	25.11	142	10350	0.108	ppbv	94
81) 1,2,4-Trichlorobenzene	22.14	180	33139	0.217	ppbv #	12

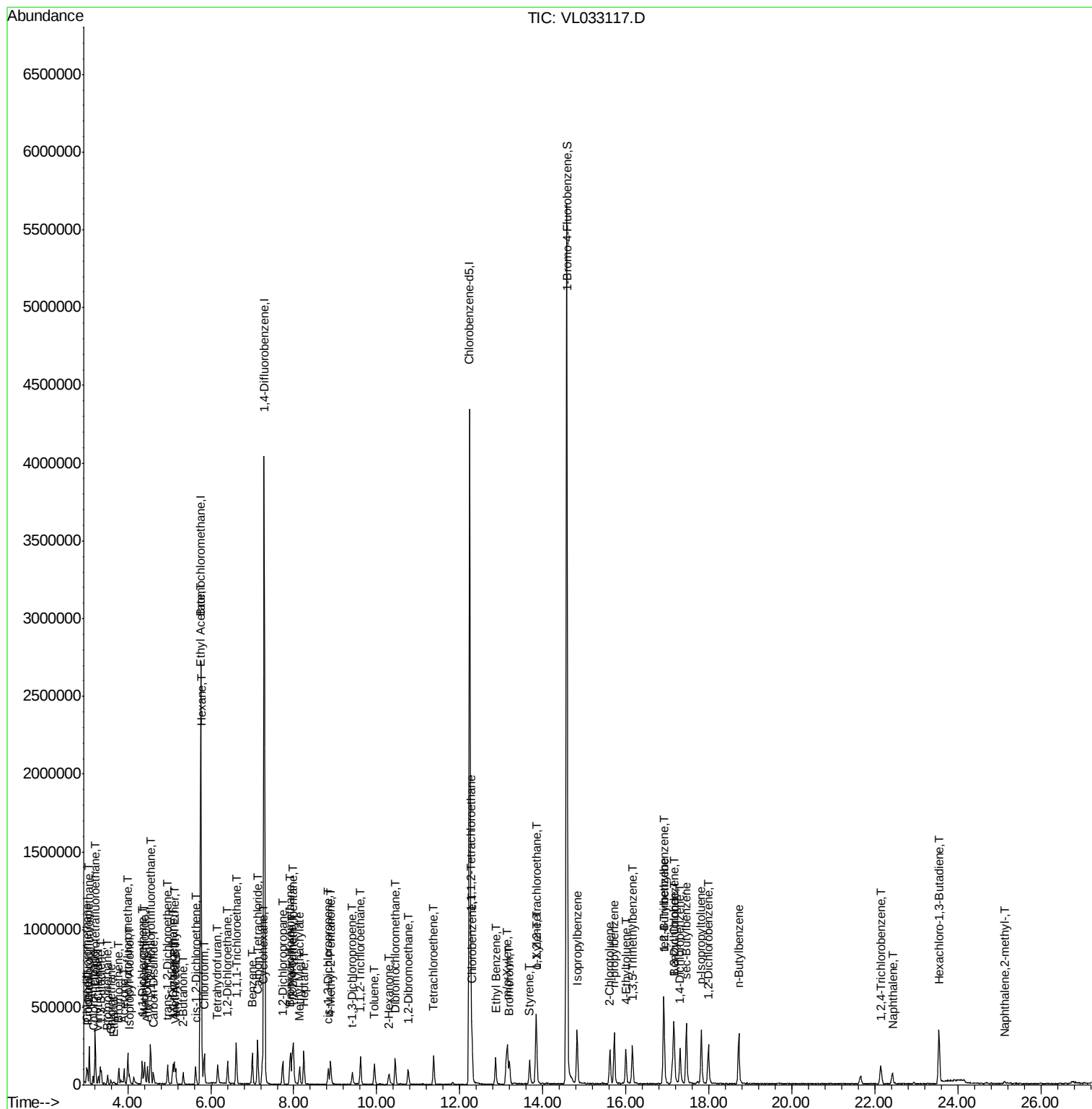
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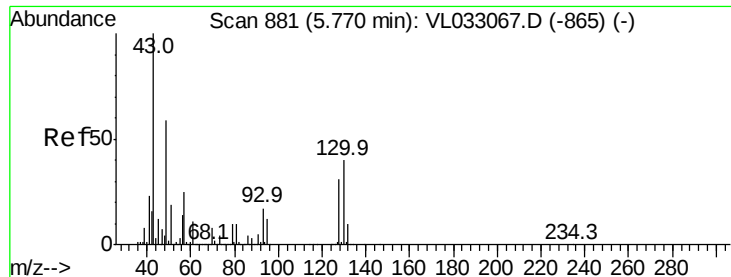
Data File : VL033117.D

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Acq On       : 28 Jan 2019 17:36
Operator     : SY/AP
Sample       : VSTDICC0.5
Misc         : 400ml/MSV0A_L
ALS Vial     : 1      Sample Multipl
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Jan 28 19:41:13 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

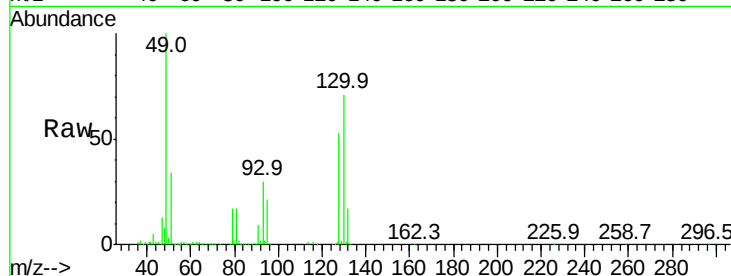
Tgt Ion: 49 Resp: 1135684

Ion Ratio Lower Upper

49 100

128 52.8 25.9 77.7

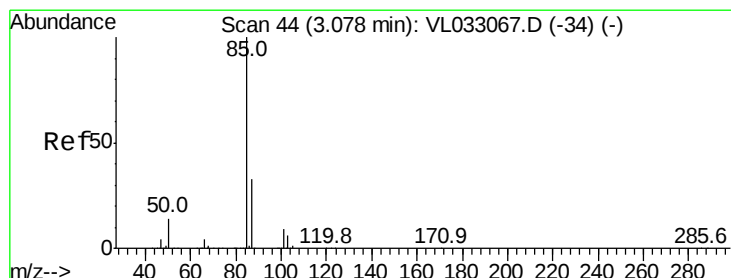
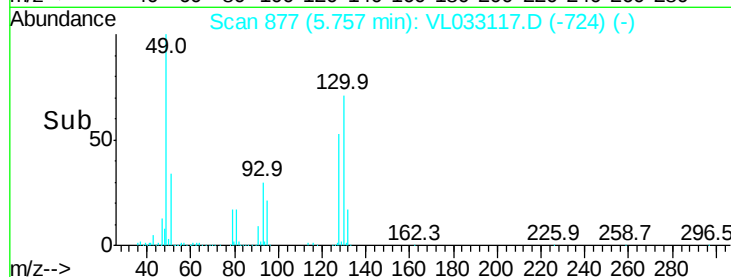
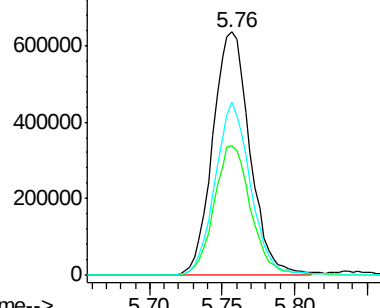
130 68.2 32.9 98.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.730 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033117.D

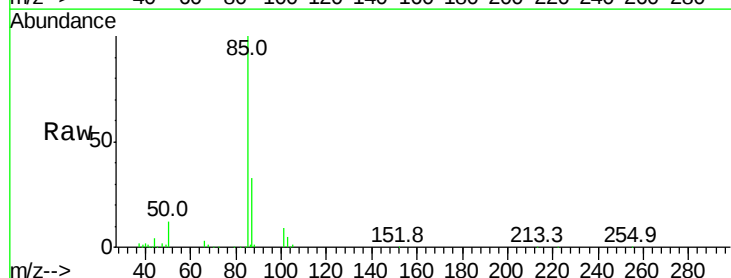
Acq: 28 Jan 2019 17:36

Tgt Ion: 85 Resp: 154373

Ion Ratio Lower Upper

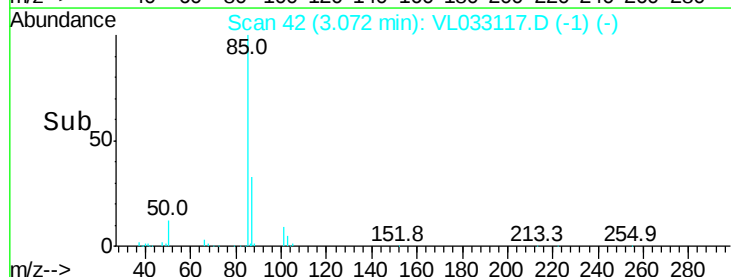
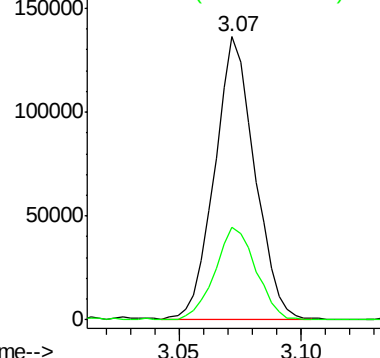
85 100

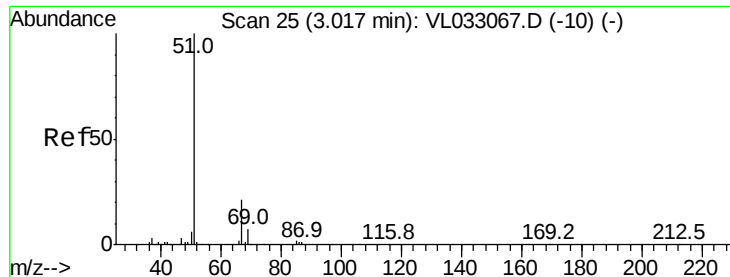
87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.672 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

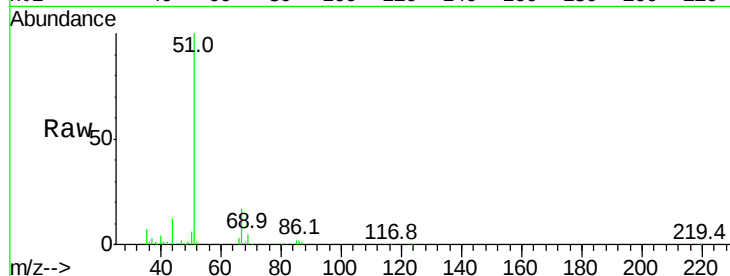
VSTDIC0.5

Tgt Ion: 51 Resp: 86352

Ion Ratio Lower Upper

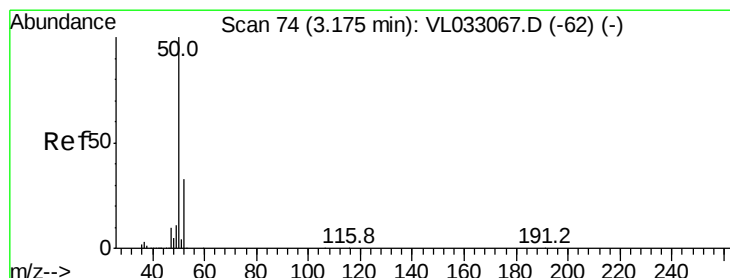
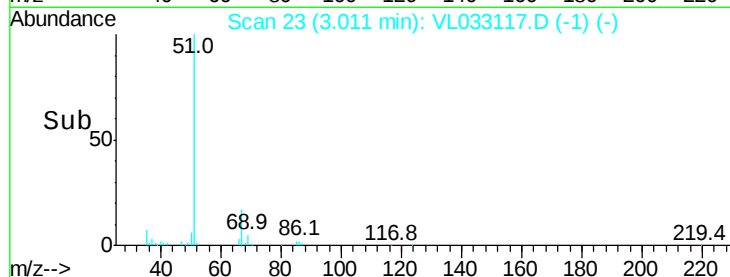
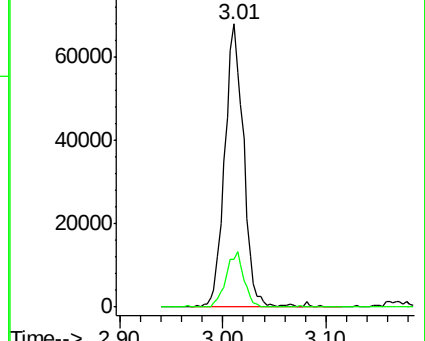
51 100

67 18.3 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: 0.608 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033117.D

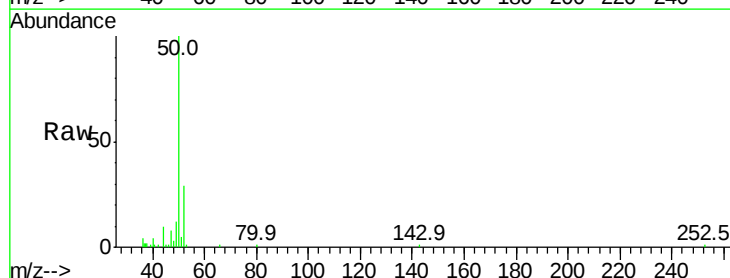
Acq: 28 Jan 2019 17:36

Tgt Ion: 50 Resp: 44798

Ion Ratio Lower Upper

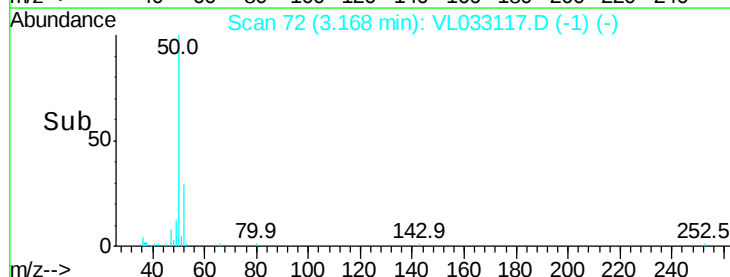
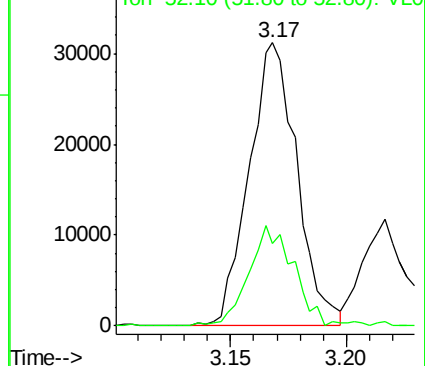
50 100

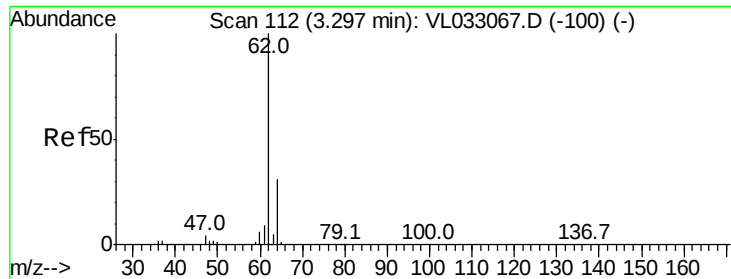
52 29.1 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.592 ppbv

RT: 3.28 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

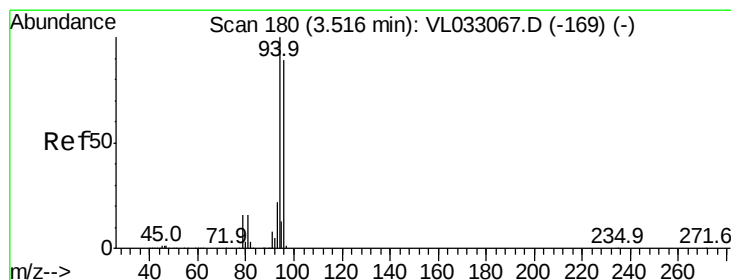
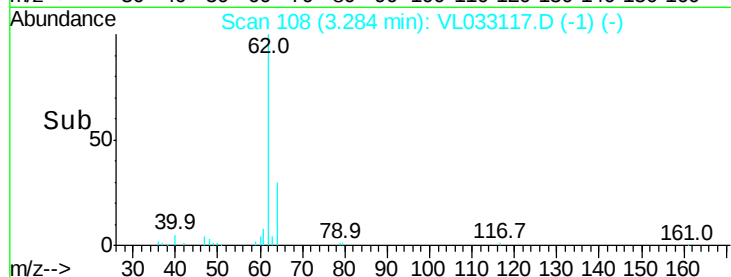
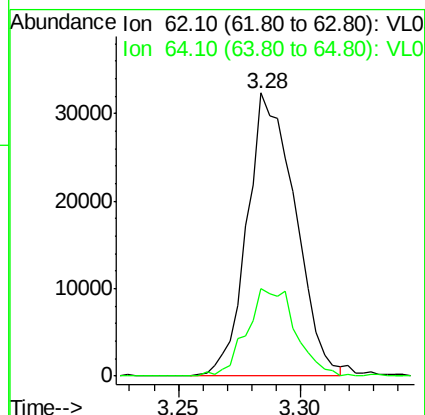
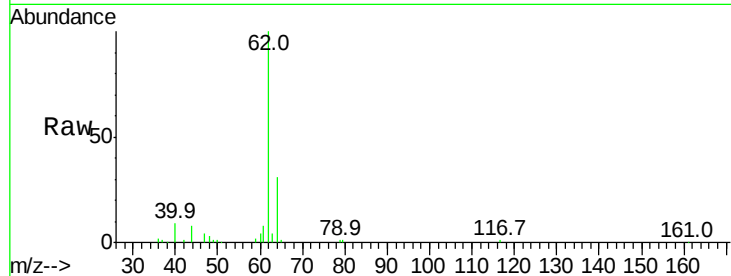
VSTDIC0.5

Tgt Ion: 62 Resp: 44043

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5



#6

Bromomethane

Concen: 0.597 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033117.D

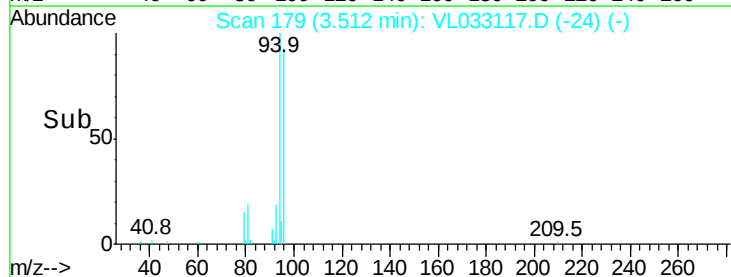
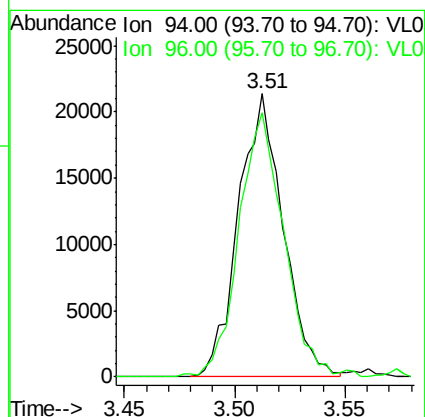
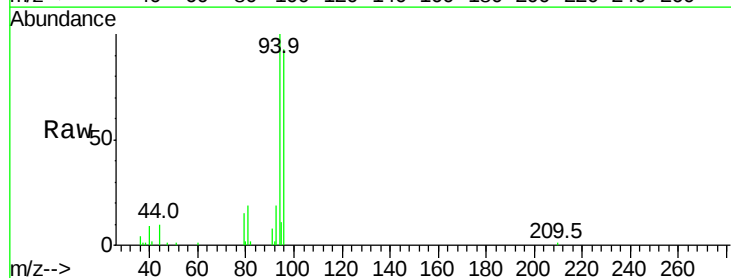
Acq: 28 Jan 2019 17:36

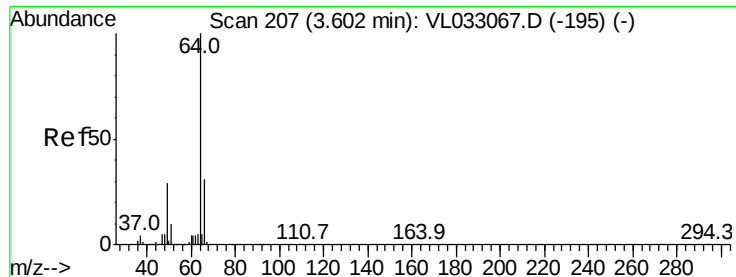
Tgt Ion: 94 Resp: 30136

Ion Ratio Lower Upper

94 100

96 92.3 75.4 113.2





#7

Chloroethane

Concen: 0.620 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

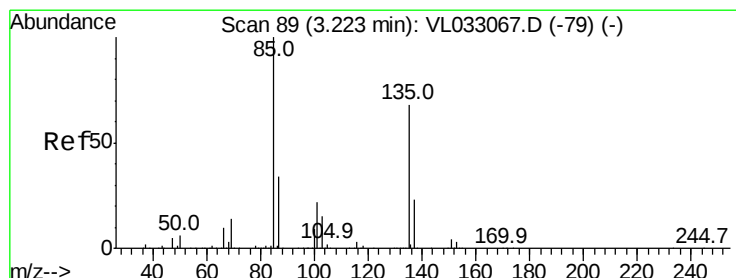
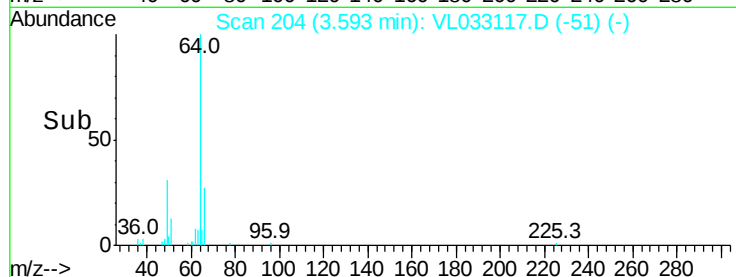
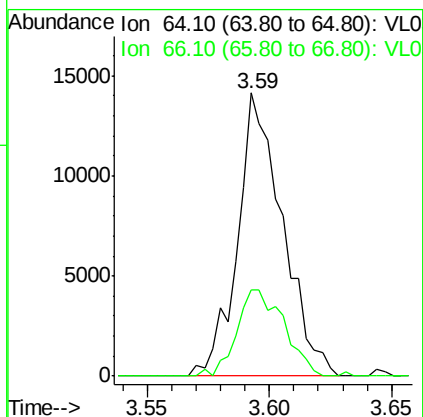
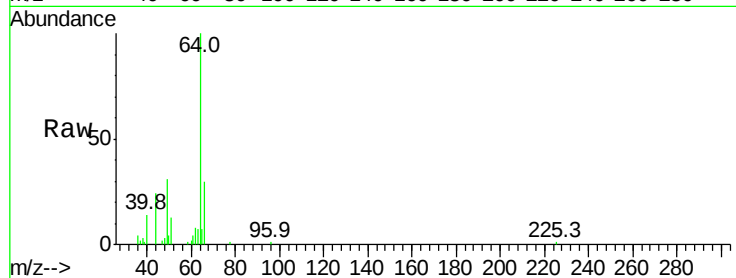
VSTDIC0.5

Tgt Ion: 64 Resp: 18029

Ion Ratio Lower Upper

64 100

66 30.4 24.0 36.0



#8

Dichlorotetrafluoroethane

Concen: 0.674 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033117.D

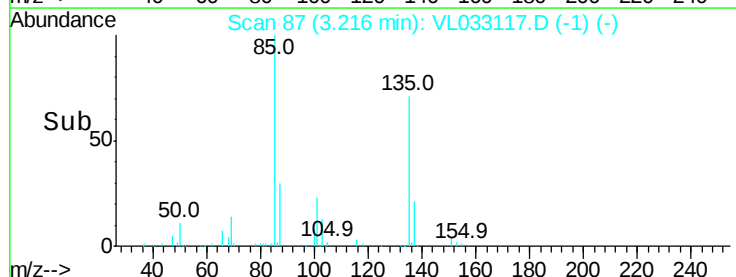
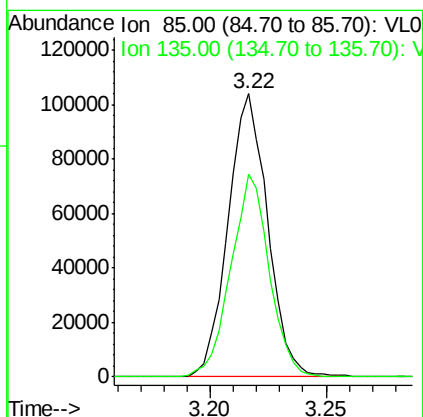
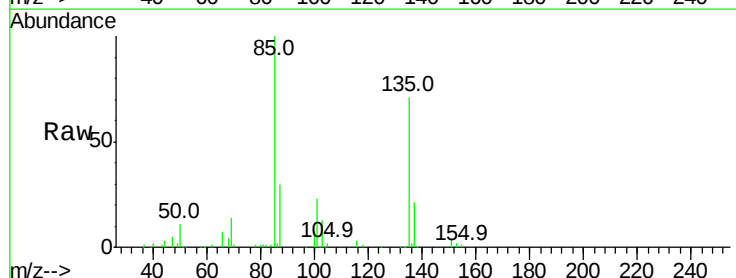
Acq: 28 Jan 2019 17:36

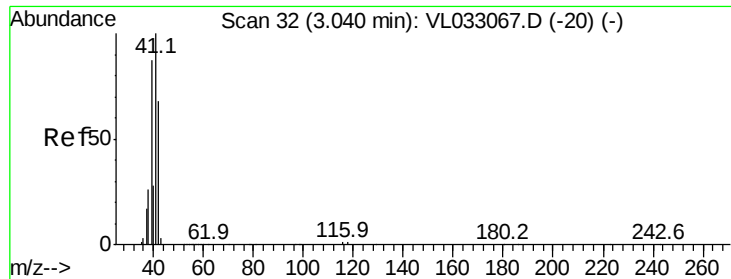
Tgt Ion: 85 Resp: 122788

Ion Ratio Lower Upper

85 100

135 69.4 54.8 82.2





#9

Propene

Concen: 0.603 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

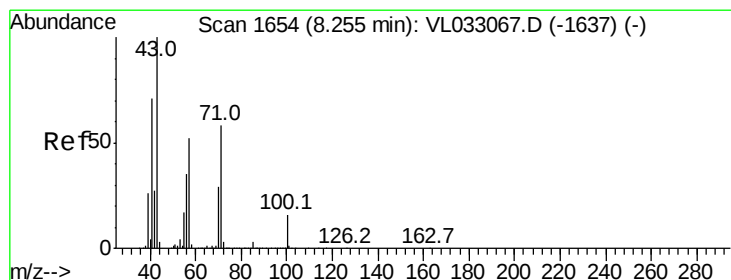
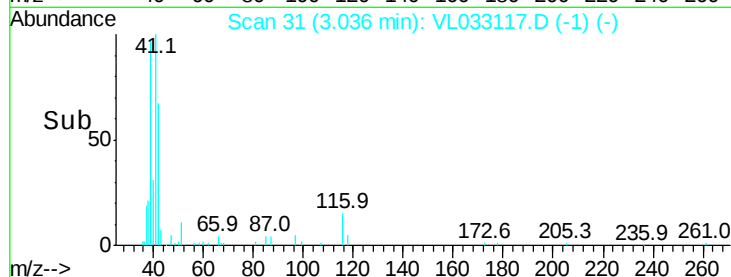
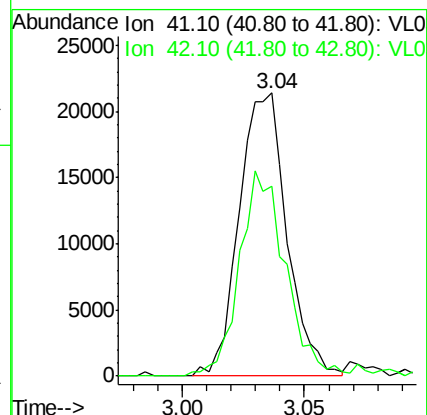
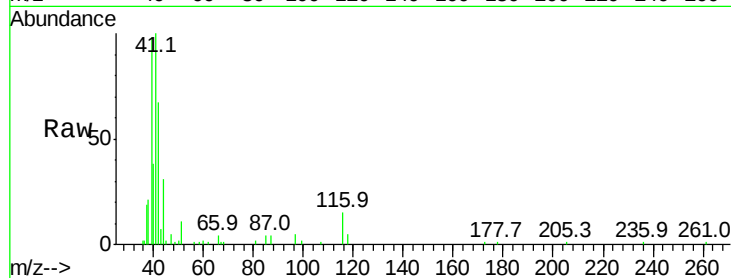
VSTDIC0.5

Tgt Ion: 41 Resp: 28971

Ion Ratio Lower Upper

41 100

42 72.4 54.6 82.0



#10

Heptane

Concen: 0.501 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033117.D

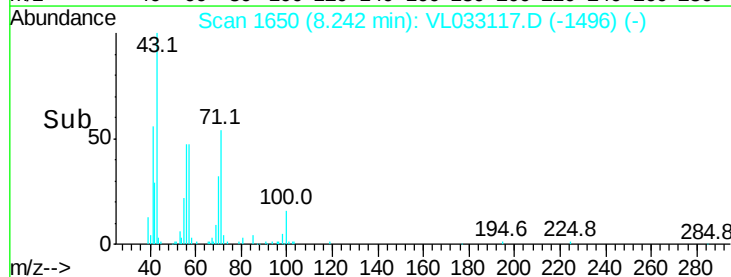
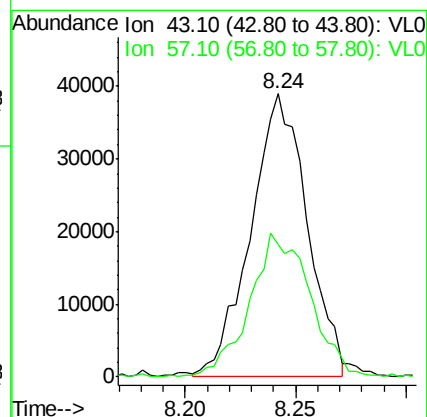
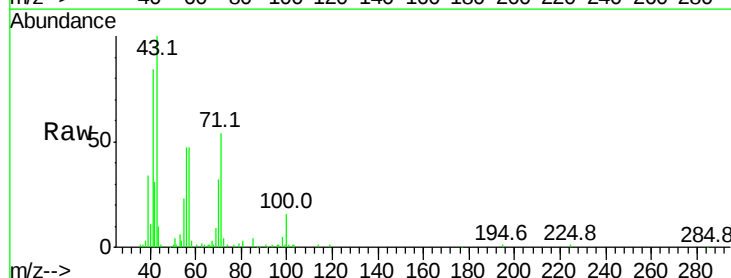
Acq: 28 Jan 2019 17:36

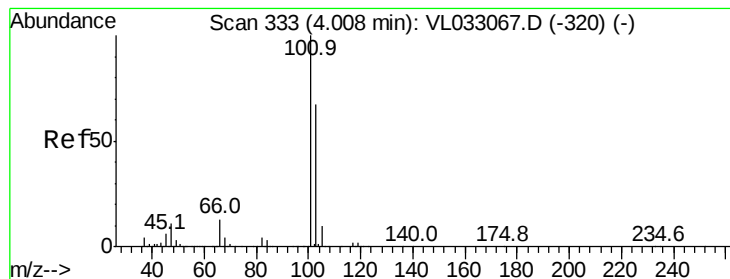
Tgt Ion: 43 Resp: 68554

Ion Ratio Lower Upper

43 100

57 55.0 42.2 63.2





#11

Trichlorofluoromethane

Concen: 0.565 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

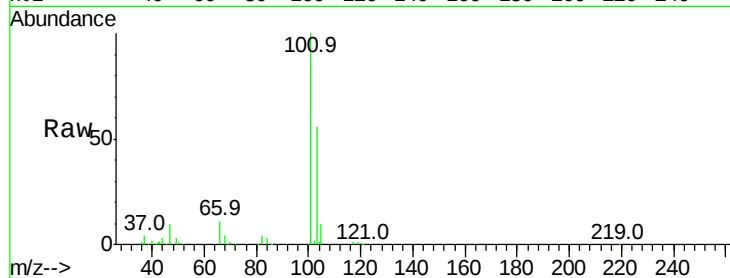
VSTDIC0.5

Tgt Ion:101 Resp: 131976

Ion Ratio Lower Upper

101 100

103 56.2 49.4 74.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.00

80000

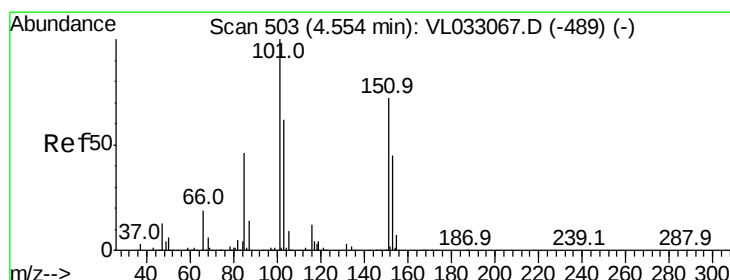
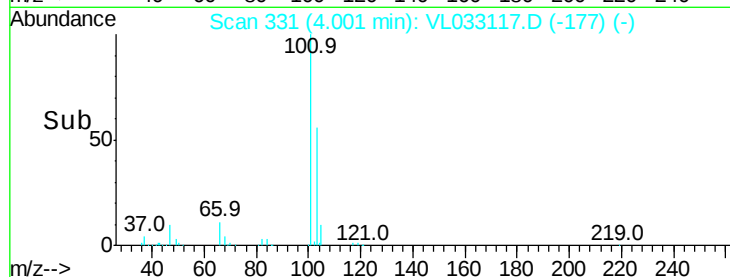
60000

40000

20000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.631 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033117.D

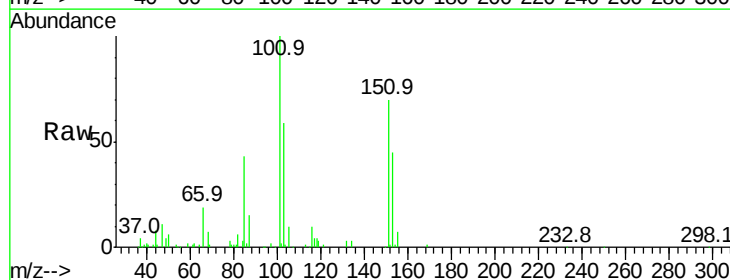
Acq: 28 Jan 2019 17:36

Tgt Ion:101 Resp: 93119

Ion Ratio Lower Upper

101 100

151 70.7 57.9 86.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.55

60000

50000

40000

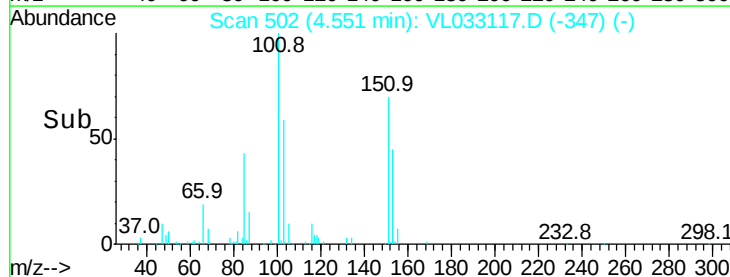
30000

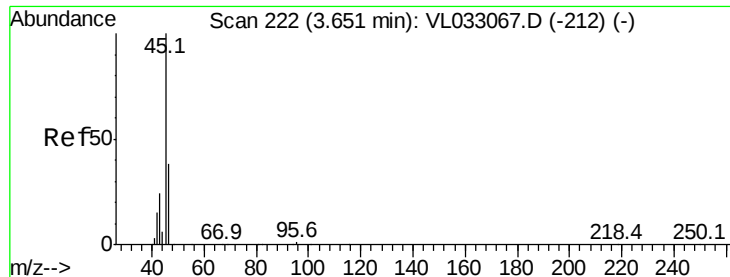
20000

10000

0

Time-->





#13

Ethanol

Concen: 0.385 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

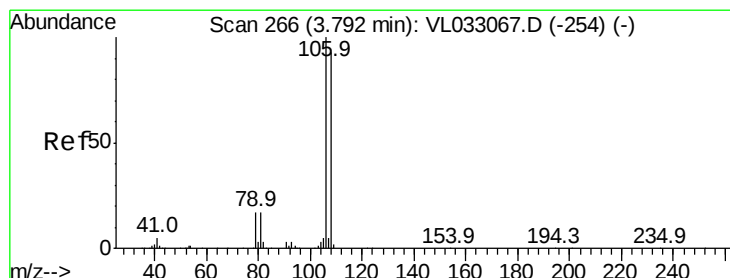
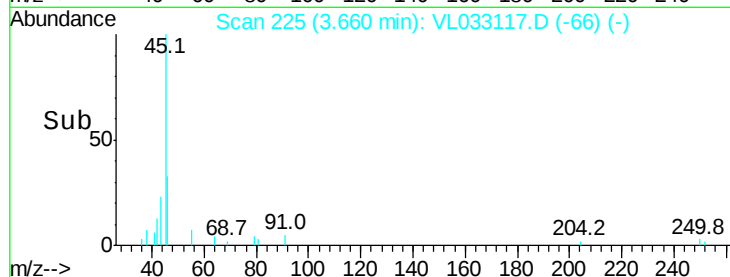
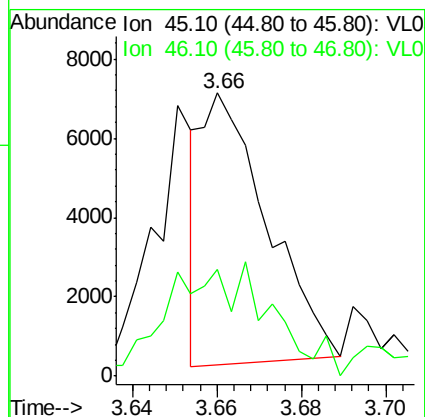
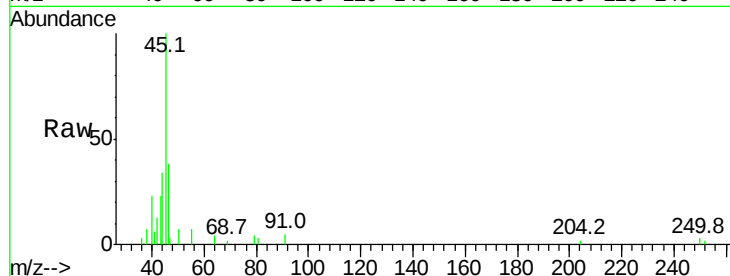
VSTDIC0.5

Tgt Ion: 45 Resp: 7367

Ion Ratio Lower Upper

45 100

46 74.8 15.0 60.2#



#14

Bromoethene

Concen: 0.573 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

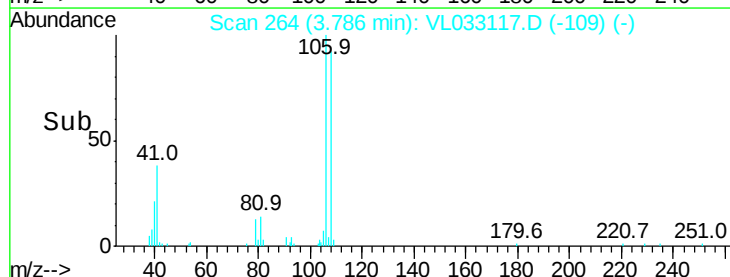
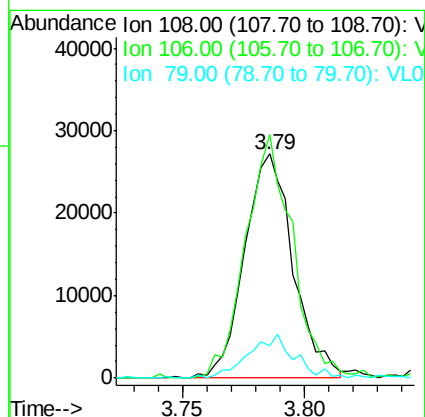
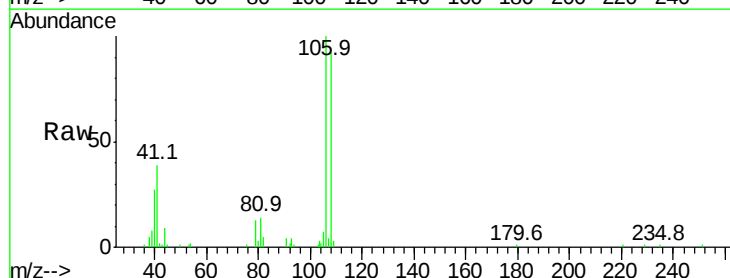
Tgt Ion: 108 Resp: 37370

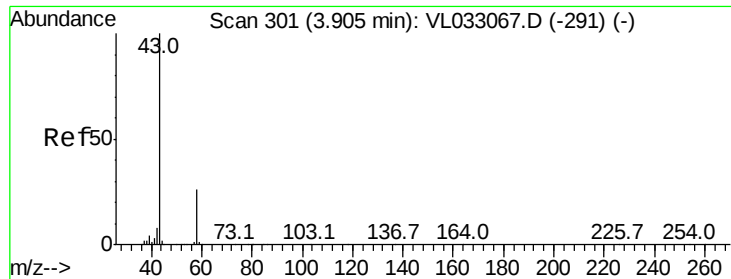
Ion Ratio Lower Upper

108 100

106 106.6 85.5 128.3

79 19.0 13.8 20.6





#15

Acetone

Concen: 0.576 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

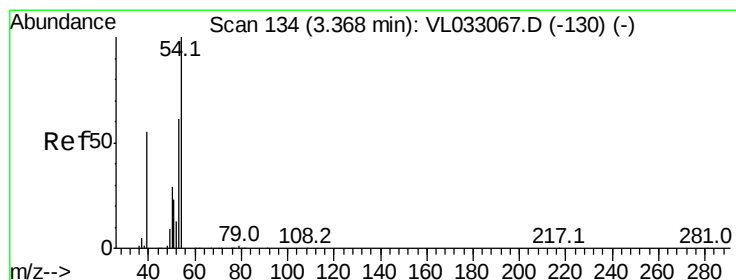
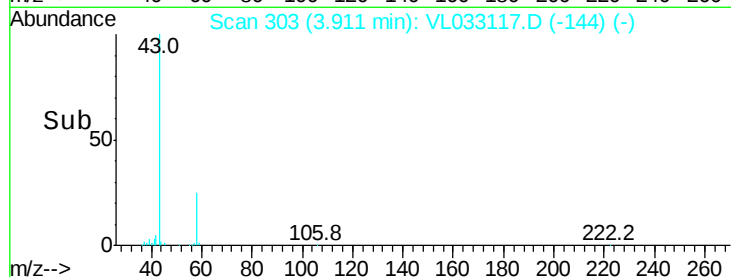
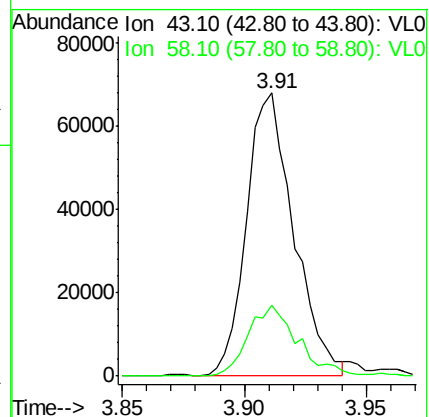
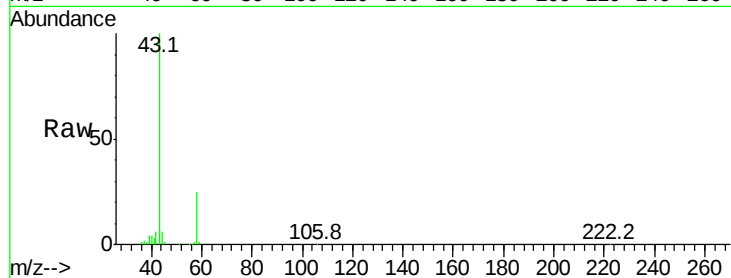
VSTDIC0.5

Tgt Ion: 43 Resp: 90536

Ion Ratio Lower Upper

43 100

58 27.0 21.1 31.7



#16

1,3-Butadiene

Concen: 0.557 ppbv

RT: 3.36 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL033117.D

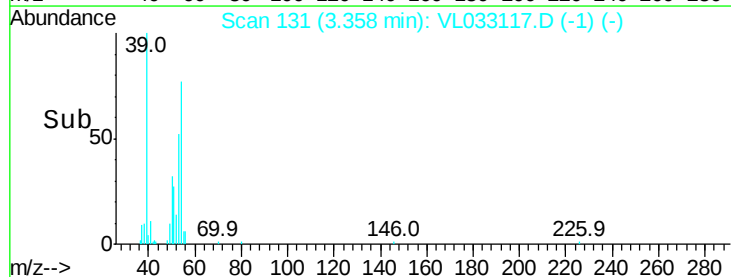
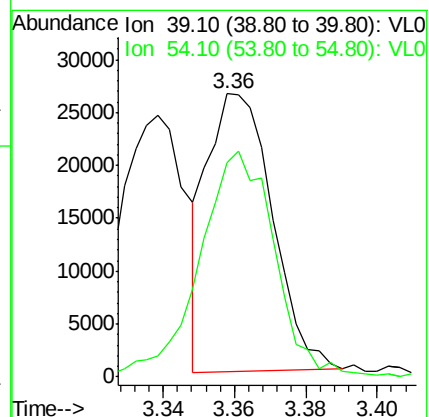
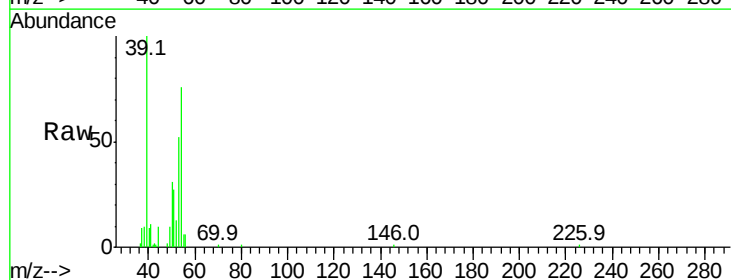
Acq: 28 Jan 2019 17:36

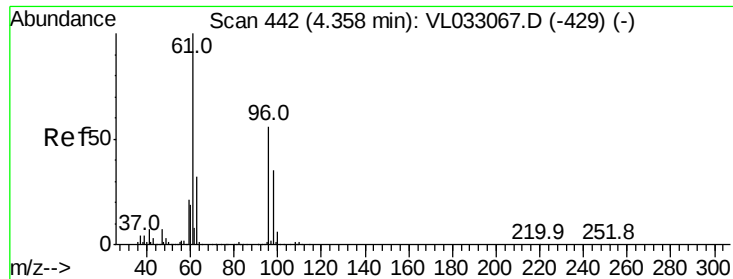
Tgt Ion: 39 Resp: 33041

Ion Ratio Lower Upper

39 100

54 95.6 80.0 120.0





#18

1,1-Dichloroethene

Concen: 0.570 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

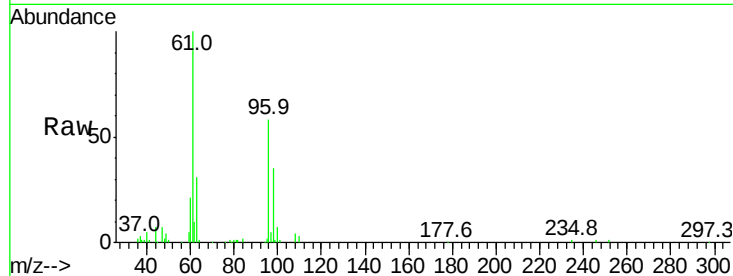
Tgt Ion: 96 Resp: 38750

Ion Ratio Lower Upper

96 100

61 171.7 142.6 213.8

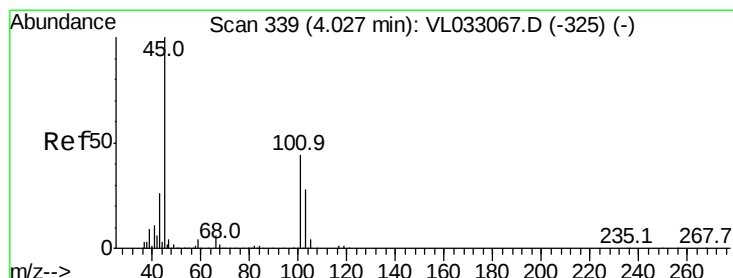
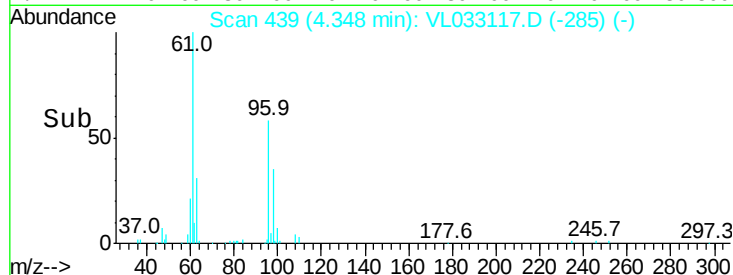
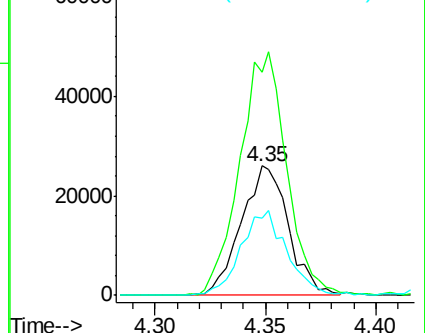
98 60.1 51.4 77.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 0.536 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033117.D

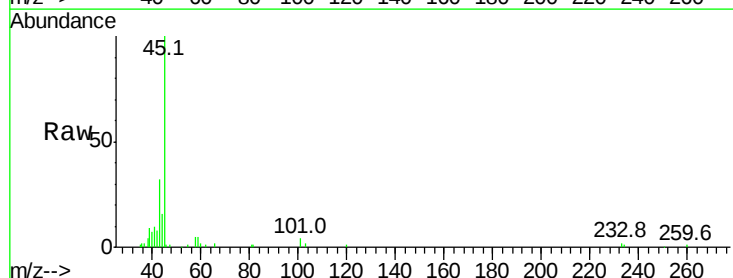
Acq: 28 Jan 2019 17:36

Tgt Ion: 45 Resp: 58019

Ion Ratio Lower Upper

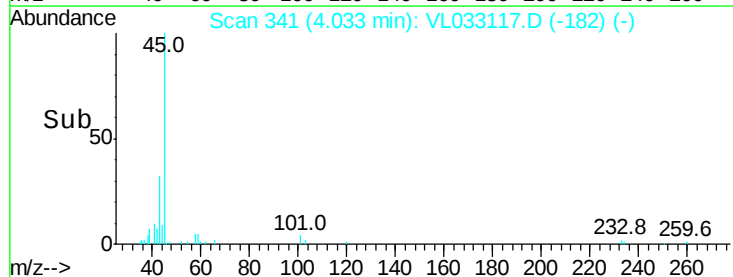
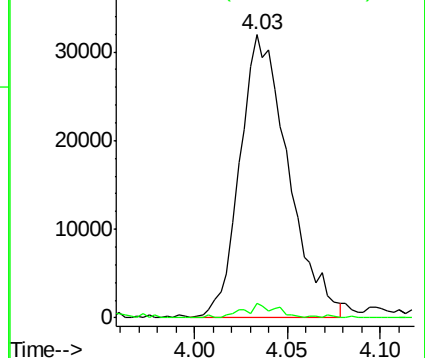
45 100

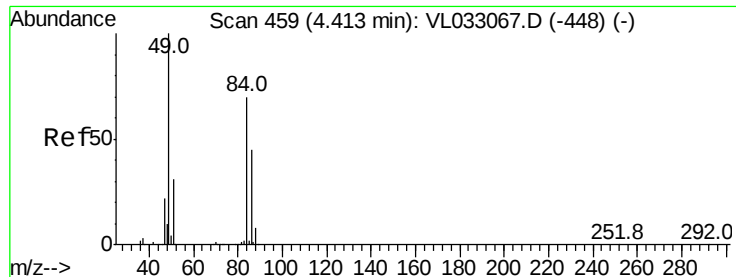
58 3.9 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.656 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 84 Resp: 43017

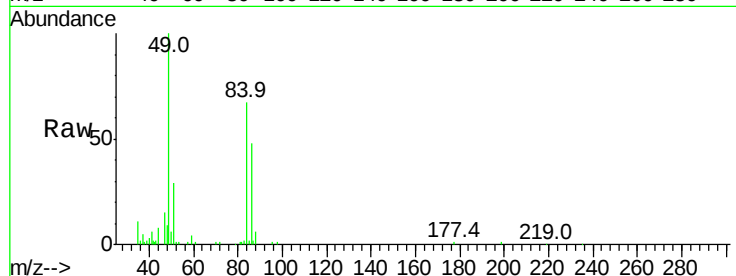
Ion Ratio Lower Upper

84 100

49 145.8 113.8 170.6

51 40.8 34.5 51.7

86 70.7 51.8 77.6

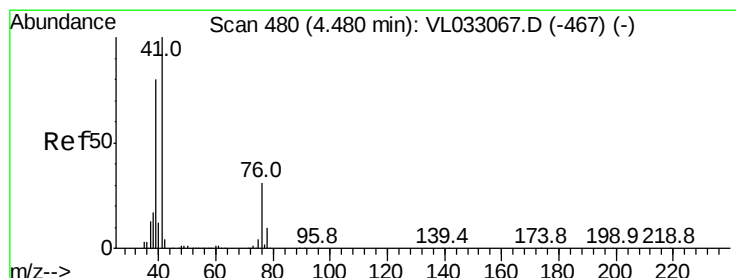
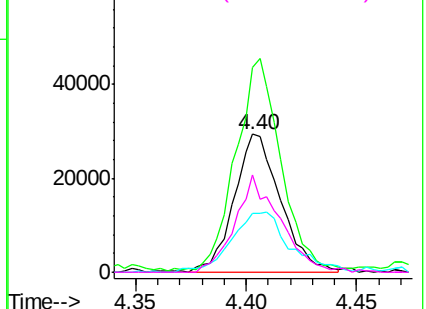
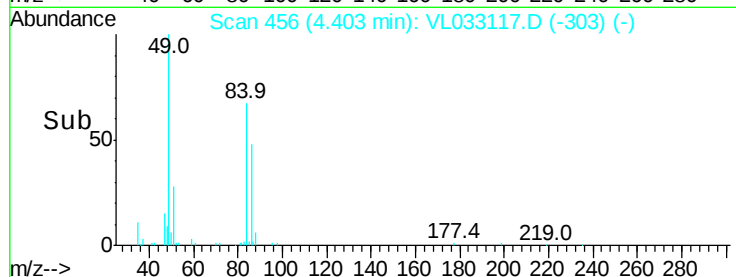


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.581 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

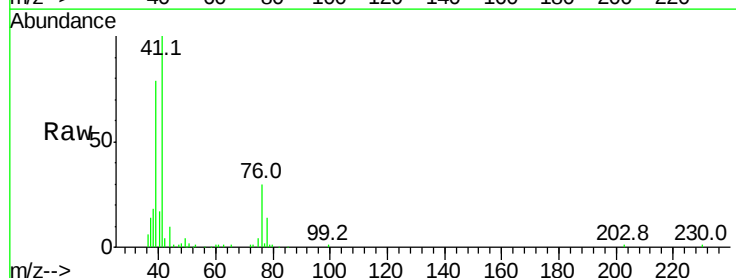
Tgt Ion: 41 Resp: 56609

Ion Ratio Lower Upper

41 100

76 31.5 24.6 37.0

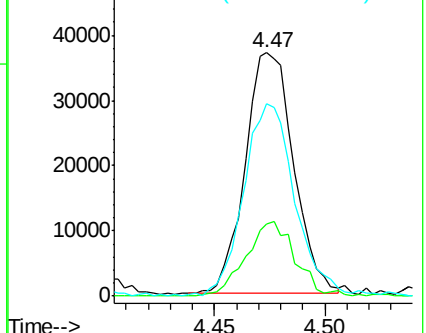
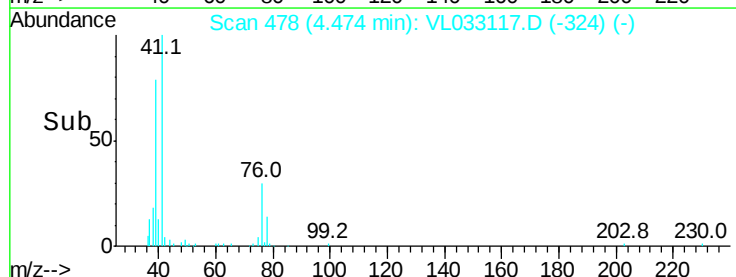
39 85.1 63.3 94.9

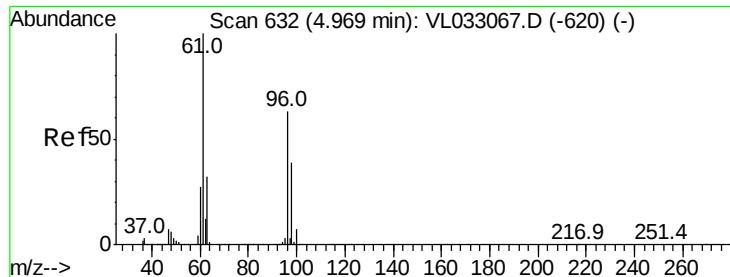


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.390 ppbv

RT: 4.96 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

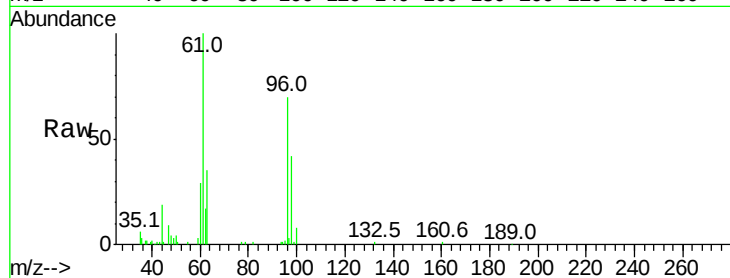
Tgt Ion: 96 Resp: 26265

Ion Ratio Lower Upper

96 100

61 140.4 127.6 191.4

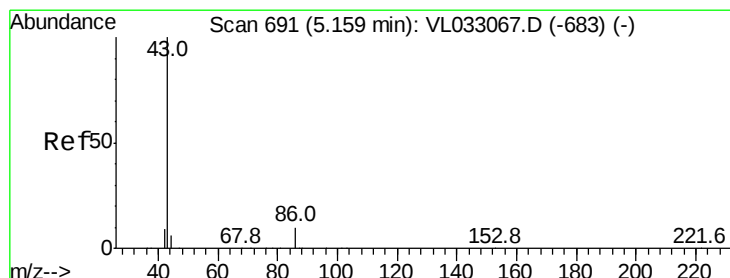
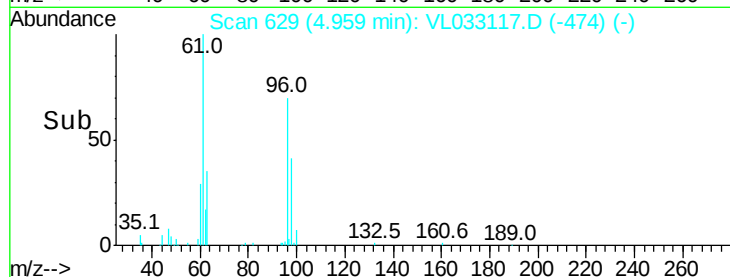
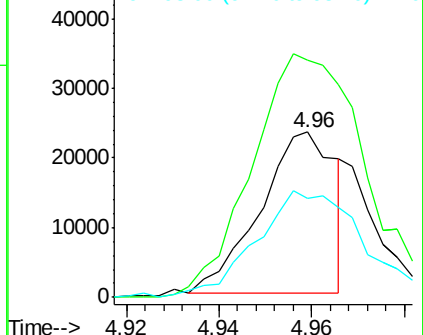
98 57.2 48.6 73.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.543 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion: 43 Resp: 108574

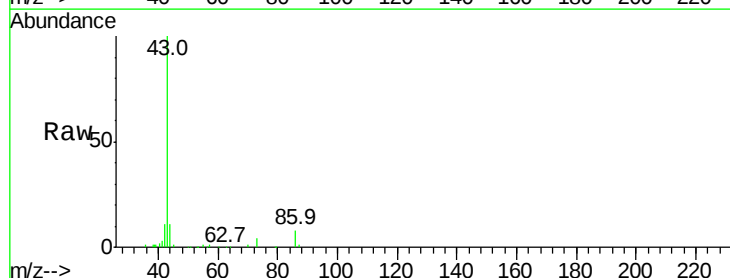
Ion Ratio Lower Upper

43 100

86 7.9 6.7 10.1

42 10.9 8.1 12.1

44 8.9 4.3 6.5#

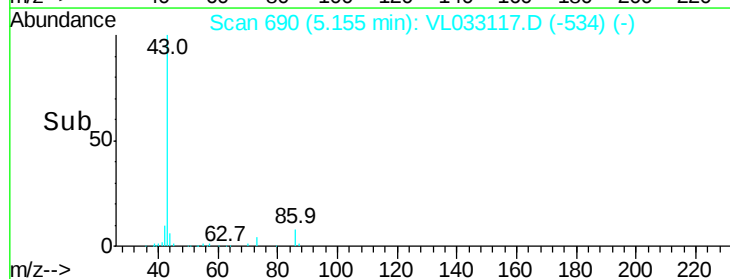
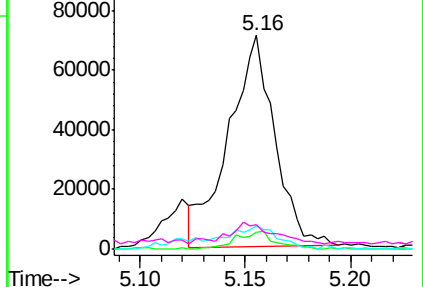


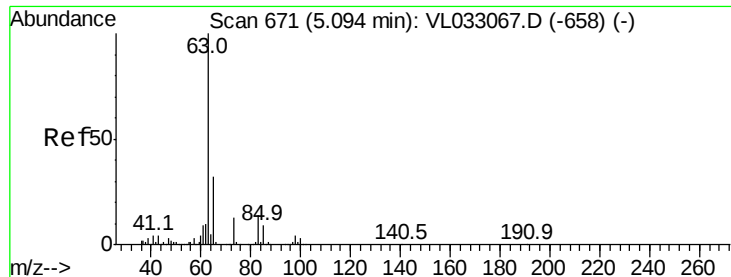
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.584 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

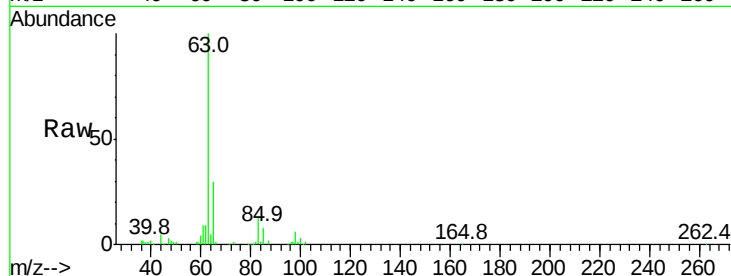
Tgt Ion: 63 Resp: 99185

Ion Ratio Lower Upper

63 100

98 6.8 2.5 7.4

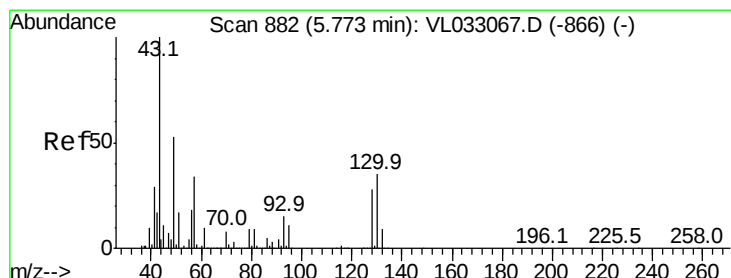
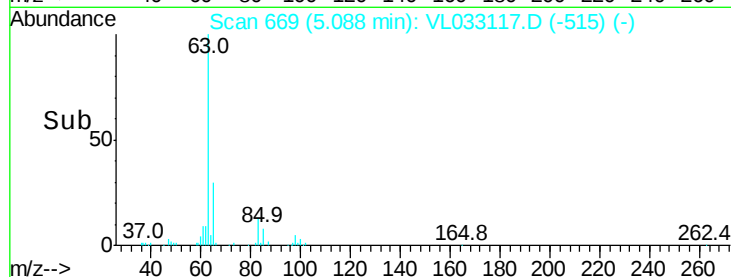
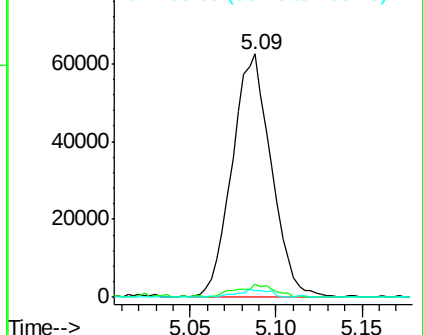
100 2.8 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.548 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion: 43 Resp: 145714

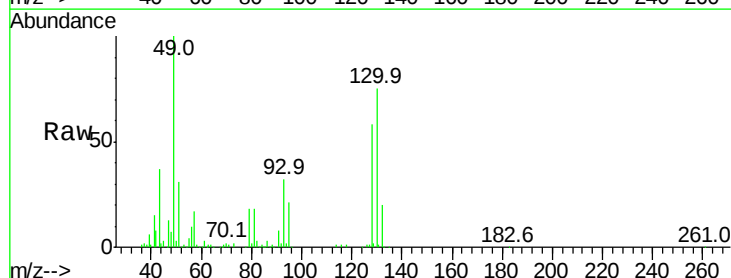
Ion Ratio Lower Upper

43 100

45 10.1 8.0 12.0

61 9.5 7.6 11.4

70 7.8 5.9 8.9

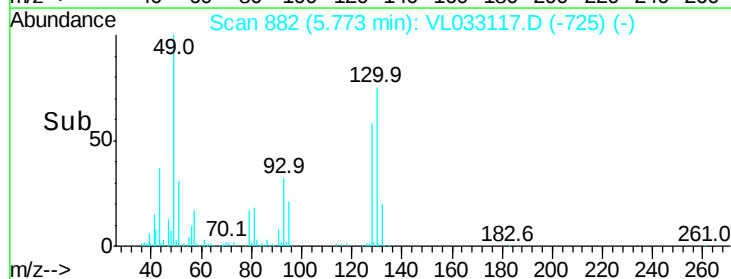
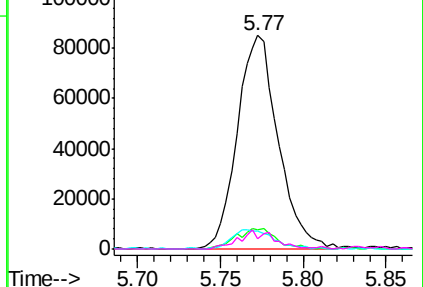


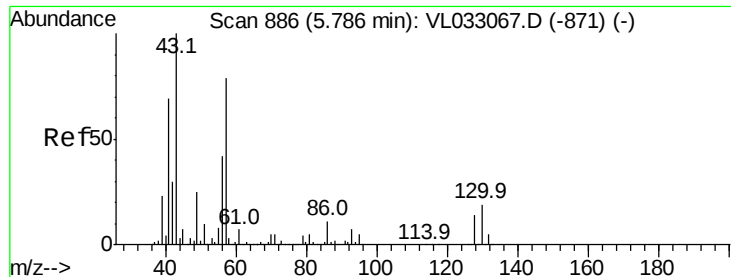
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.539 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 57 Resp: 67379

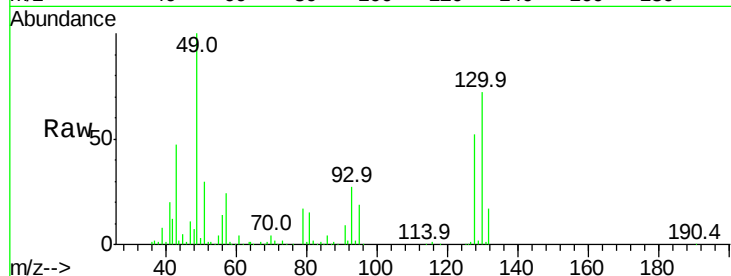
Ion Ratio Lower Upper

57 100

41 96.4 69.9 104.9

43 218.9 169.0 253.4

56 58.4 42.0 63.0

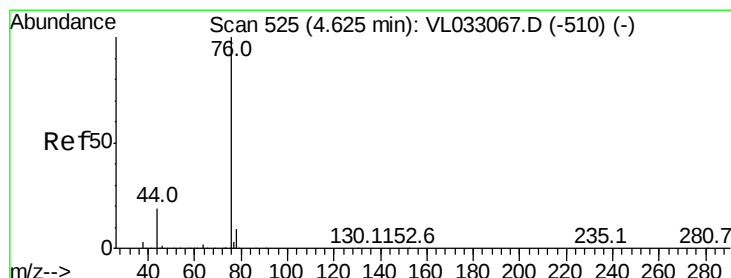
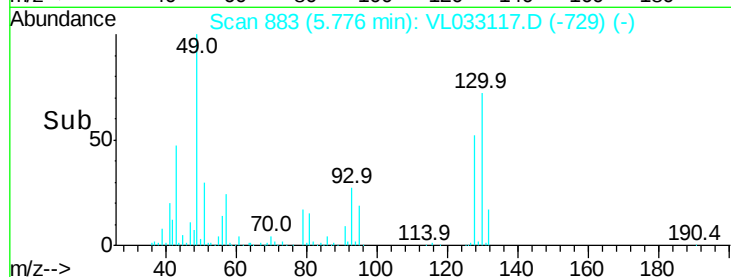
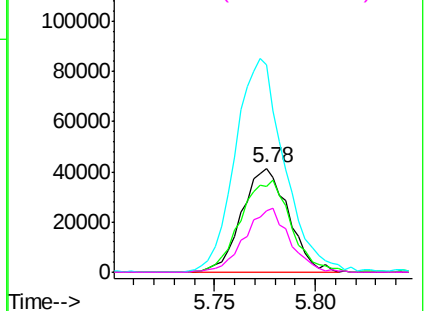


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.573 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

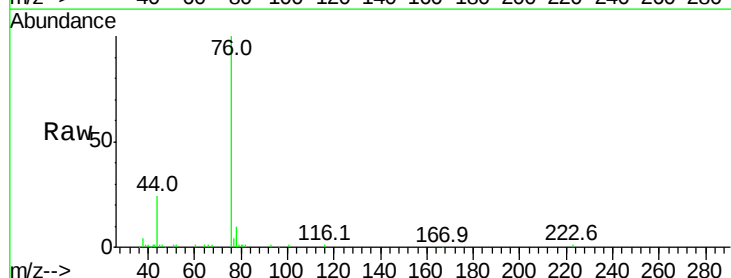
Tgt Ion: 76 Resp: 88464

Ion Ratio Lower Upper

76 100

44 22.9 15.0 22.4#

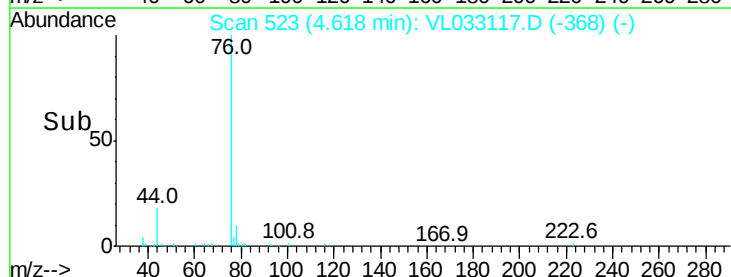
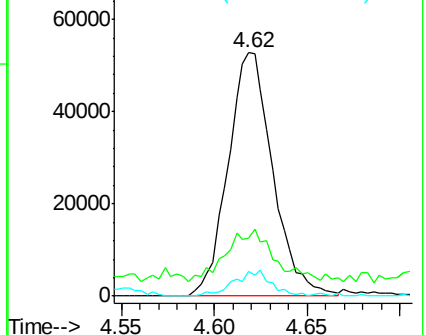
78 9.5 7.6 11.4

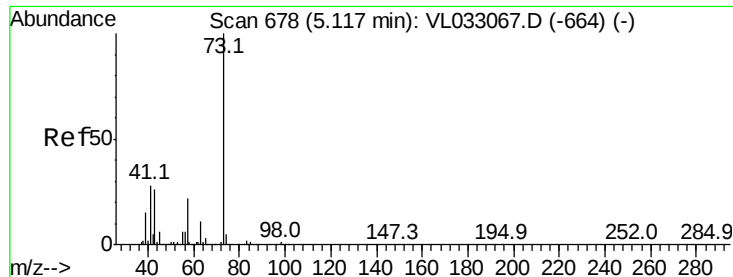


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



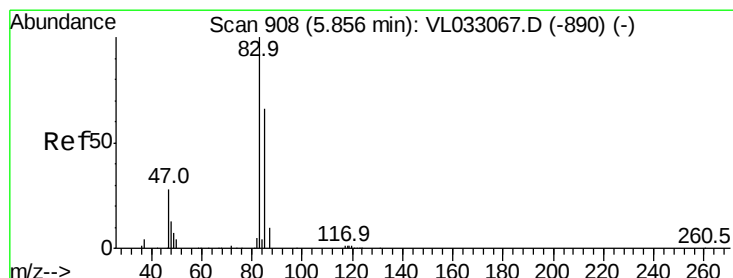
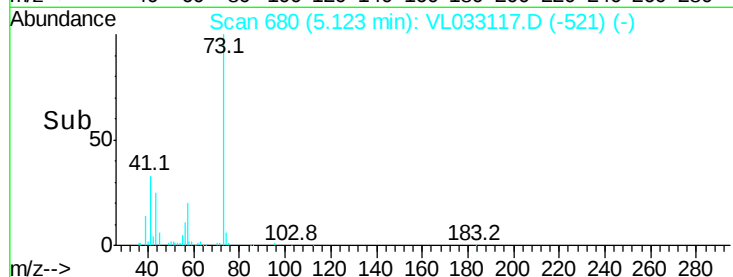
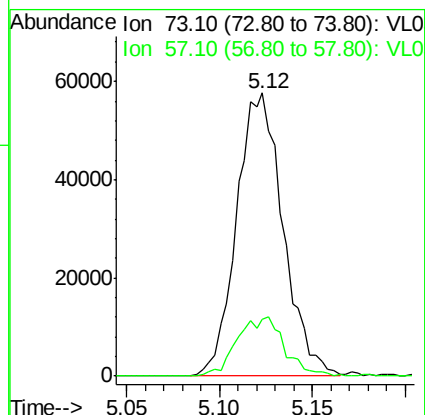
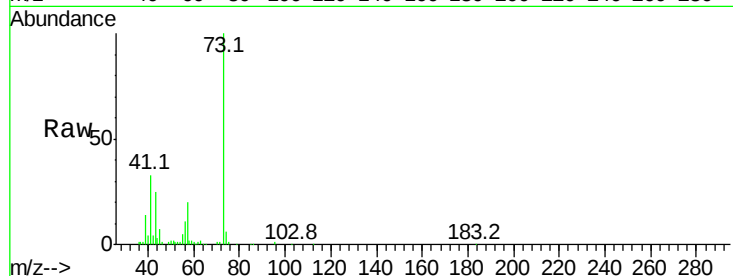


#28

Methyl tert-Butyl Ether
 Concen: 0.512 ppbv
 RT: 5.12 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

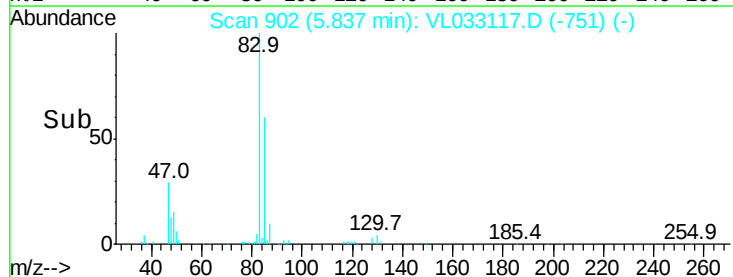
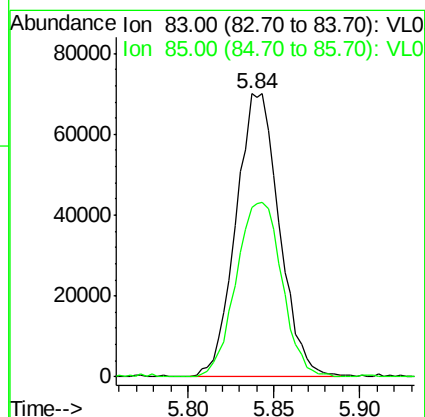
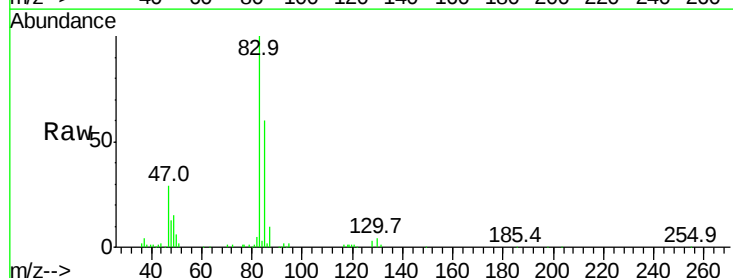
Tgt Ion: 73 Resp: 100049
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.6 26.4

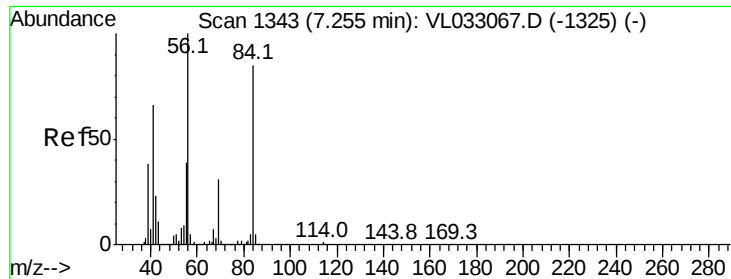


#29

Chloroform
 Concen: 0.576 ppbv
 RT: 5.84 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion: 83 Resp: 122885
 Ion Ratio Lower Upper
 83 100
 85 59.9 50.4 75.6

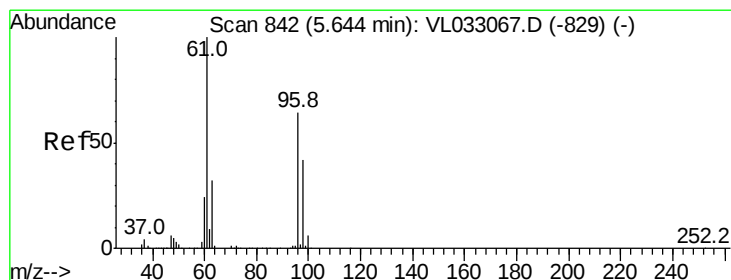
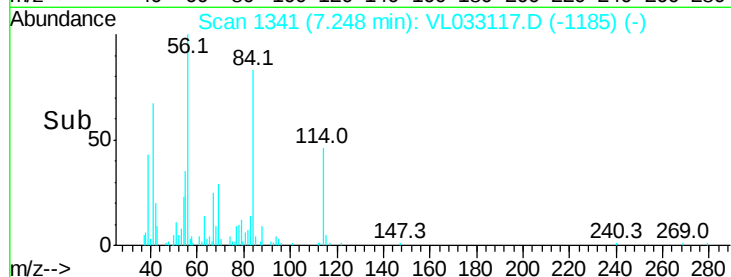
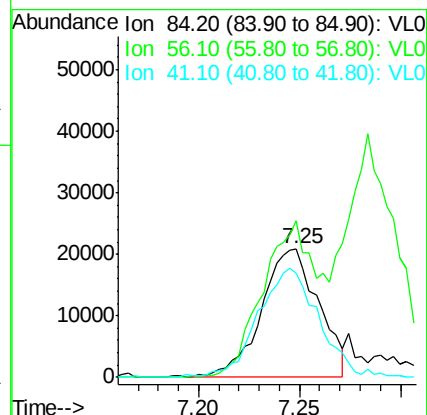
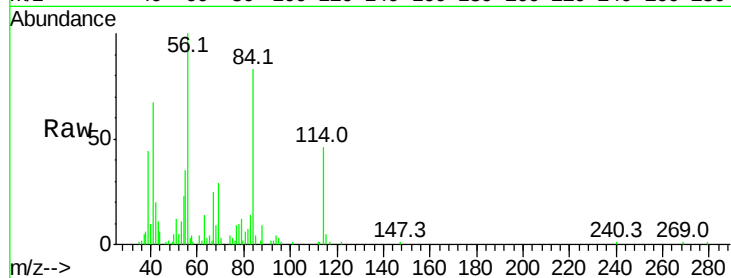




#30
Cyclohexane
Concen: 0.440 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

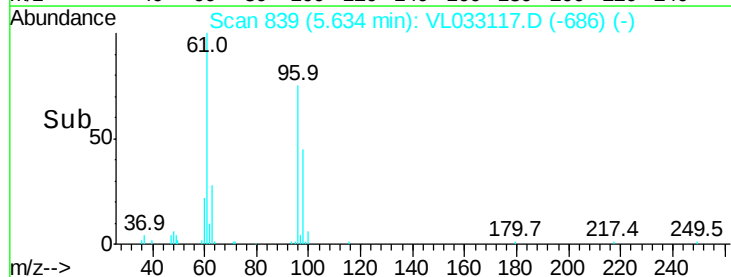
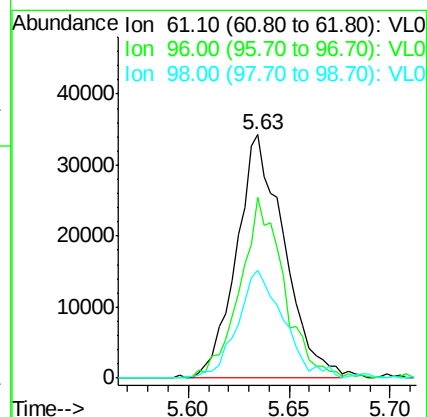
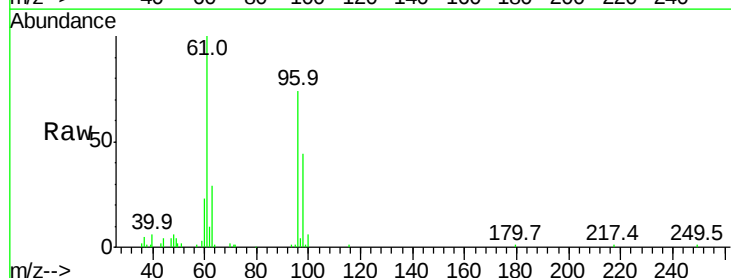
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

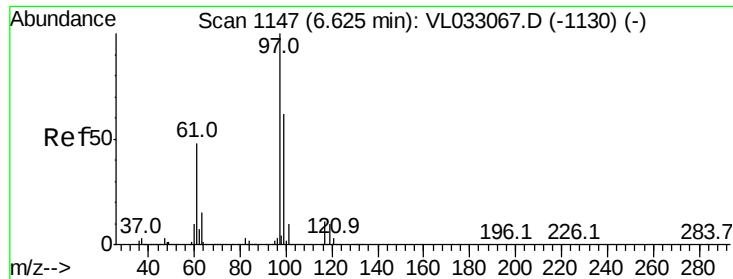
Tgt Ion: 84 Resp: 41091
Ion Ratio Lower Upper
84 100
56 103.4 102.4 153.6
41 90.3 62.7 94.1



#31
cis-1,2-Dichloroethene
Concen: 0.488 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion: 61 Resp: 56664
Ion Ratio Lower Upper
61 100
96 73.6 57.6 86.4
98 44.2 37.0 55.4





#32

1,1,1-Trichloroethane

Concen: 0.759 ppbv

RT: 6.61 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

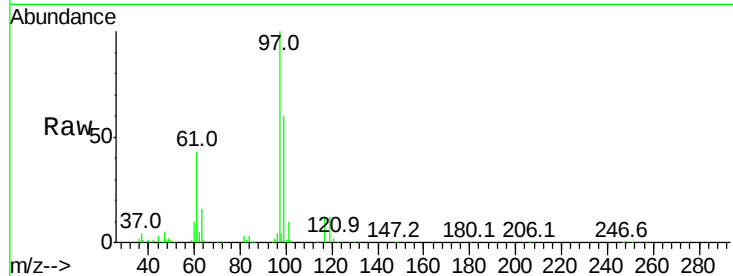
Tgt Ion: 97 Resp: 164346

Ion Ratio Lower Upper

97 100

99 61.8 51.7 77.5

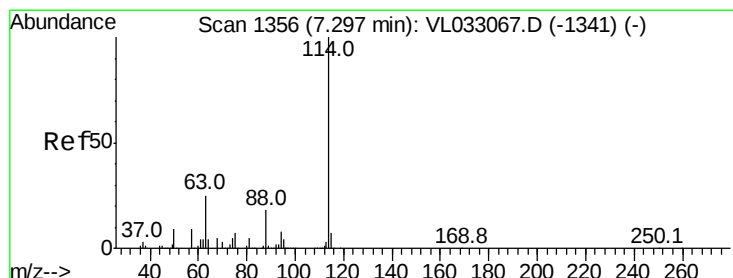
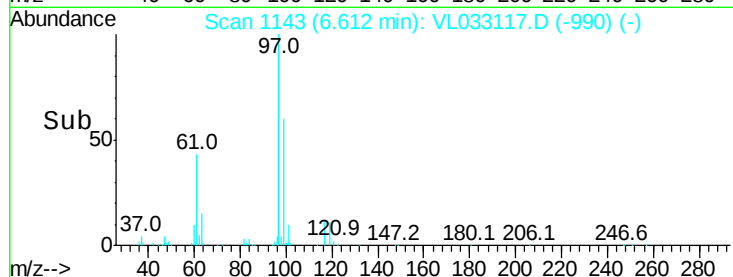
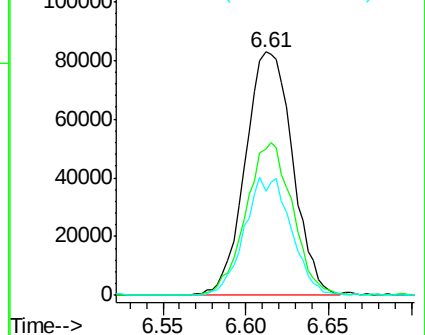
61 47.9 38.6 57.8



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: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

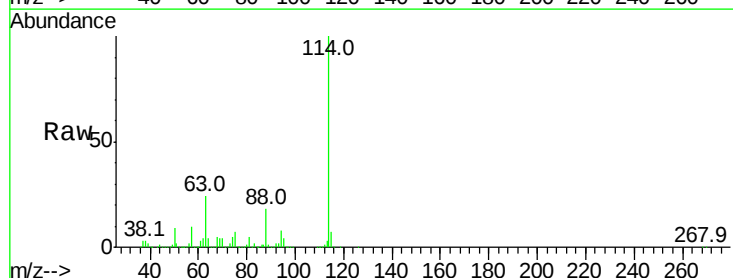
Tgt Ion: 114 Resp: 2903752

Ion Ratio Lower Upper

114 100

63 25.0 19.8 29.8

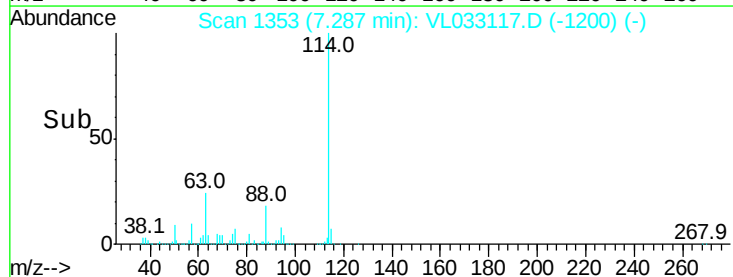
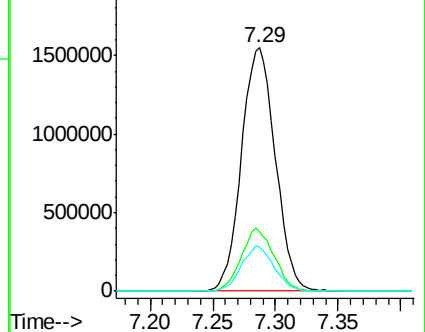
88 17.8 14.2 21.2

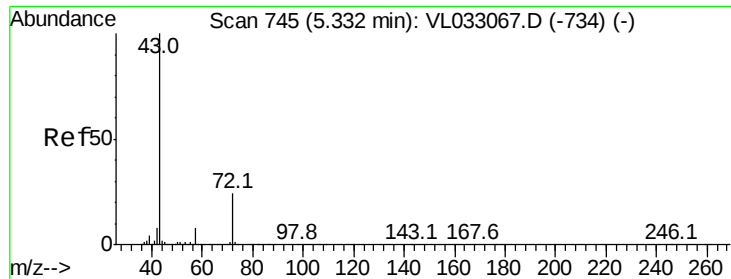


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.498 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

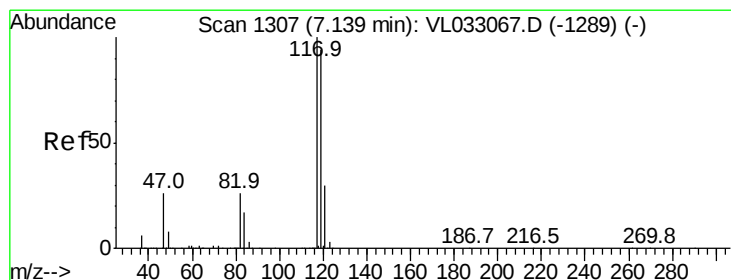
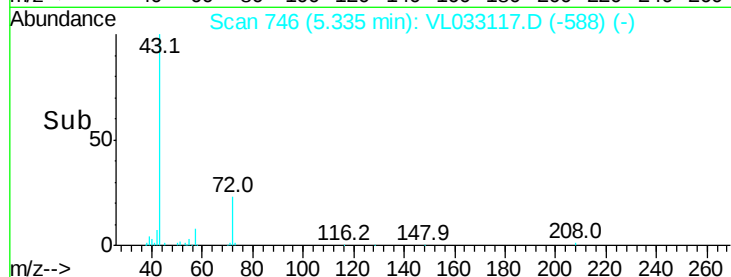
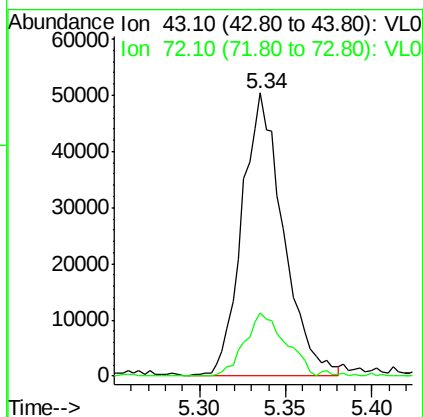
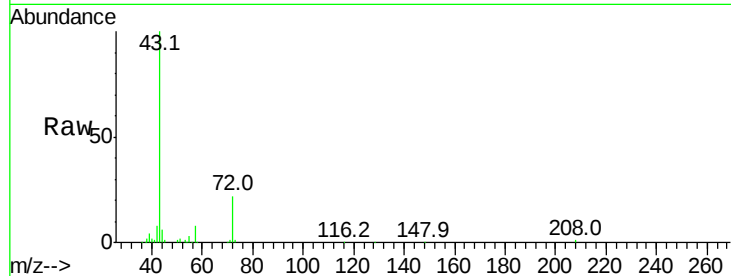
VSTDIC0.5

Tgt Ion: 43 Resp: 83962

Ion Ratio Lower Upper

43 100

72 22.9 18.7 28.1



#35

Carbon Tetrachloride

Concen: 0.654 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

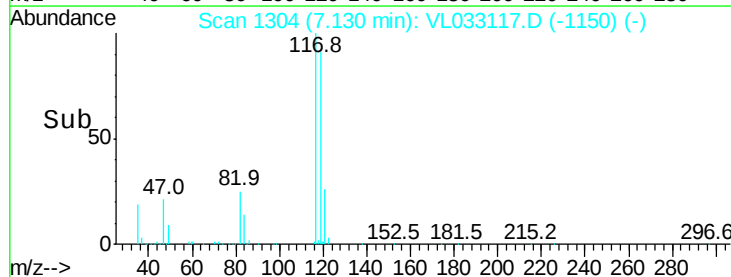
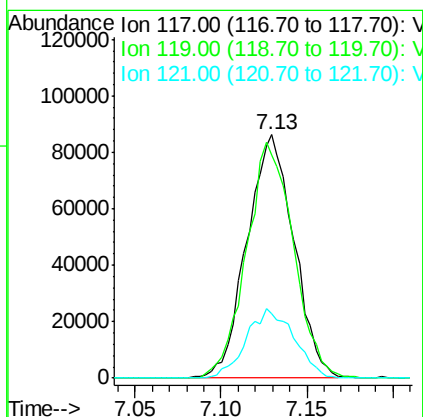
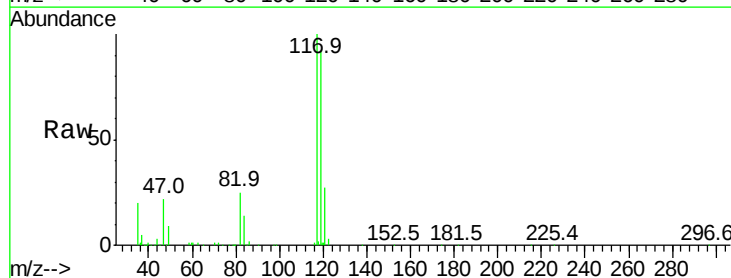
Tgt Ion: 117 Resp: 163205

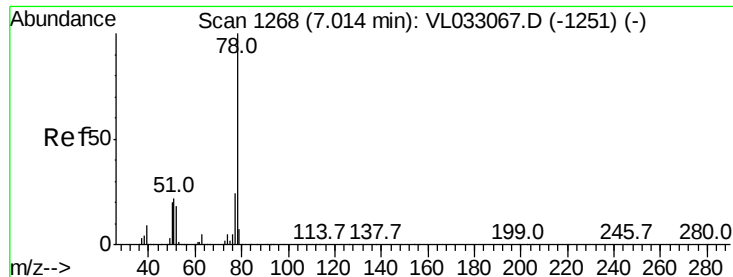
Ion Ratio Lower Upper

117 100

119 92.6 75.8 113.6

121 26.7 24.6 36.8





#36

Benzene

Concen: 0.654 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

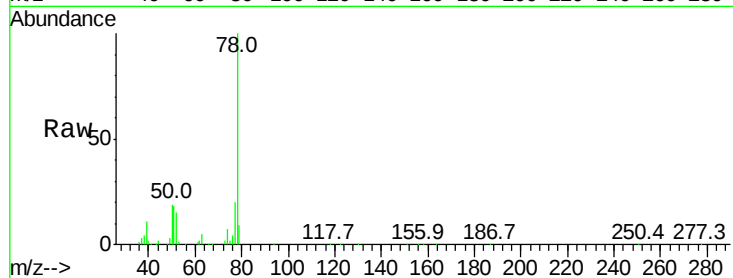
Tgt Ion: 78 Resp: 155520

Ion Ratio Lower Upper

78 100

77 19.9 18.5 27.7

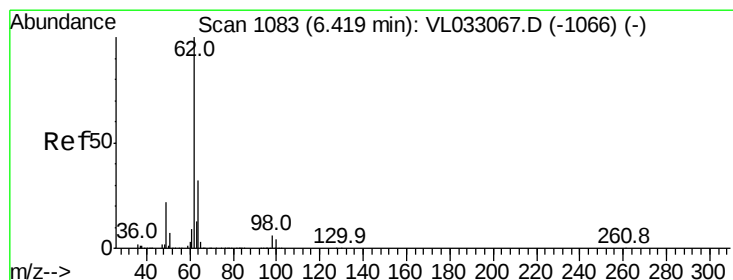
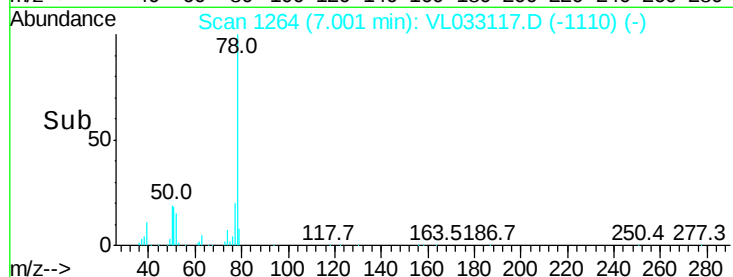
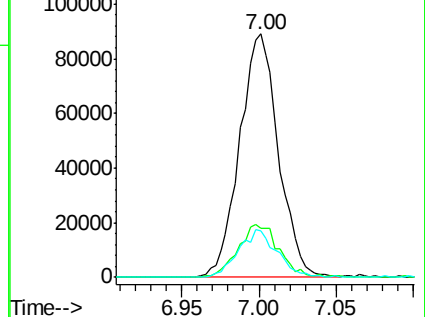
50 18.8 15.4 23.2



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.715 ppbv

RT: 6.40 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VL033117.D

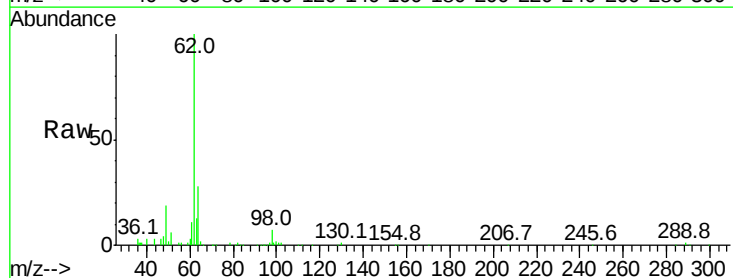
Acq: 28 Jan 2019 17:36

Tgt Ion: 62 Resp: 118672

Ion Ratio Lower Upper

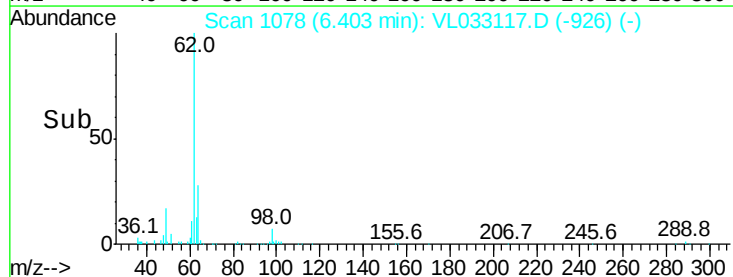
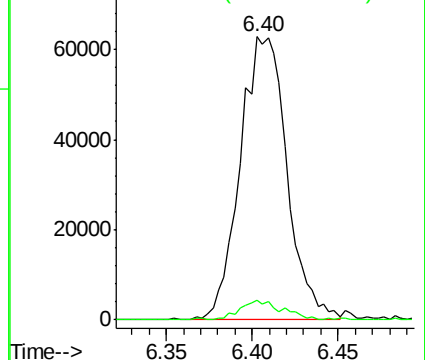
62 100

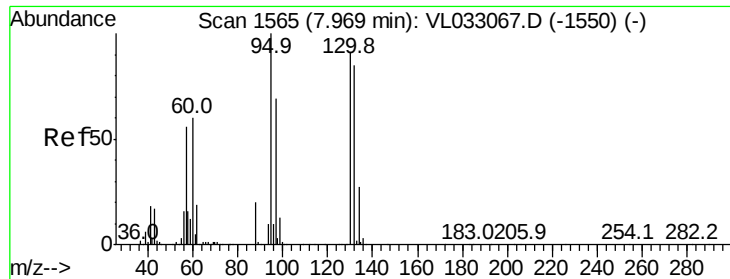
98 6.6 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

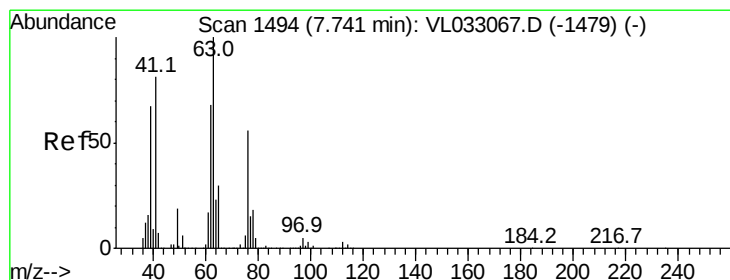
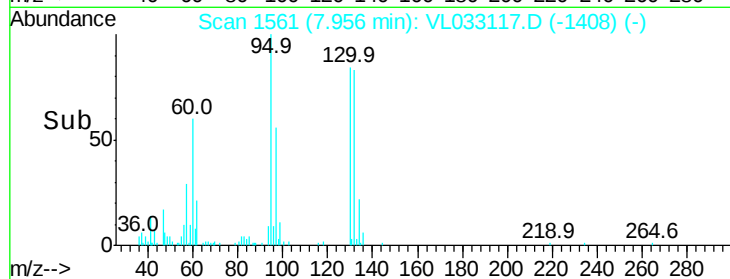
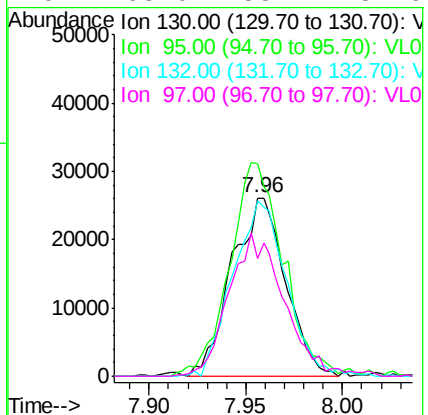
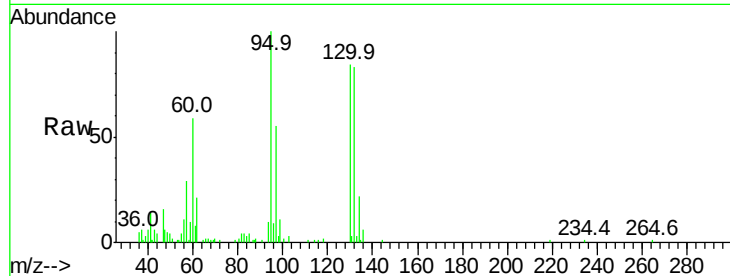




#38
 Trichloroethene
 Concen: 0.515 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

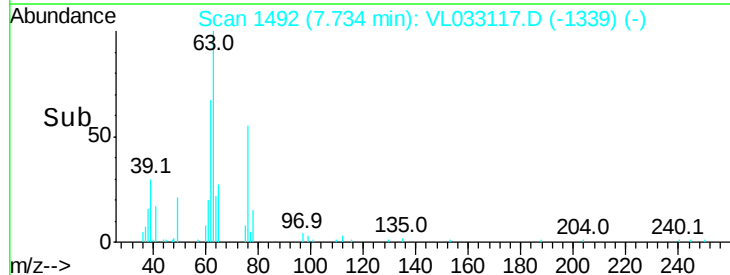
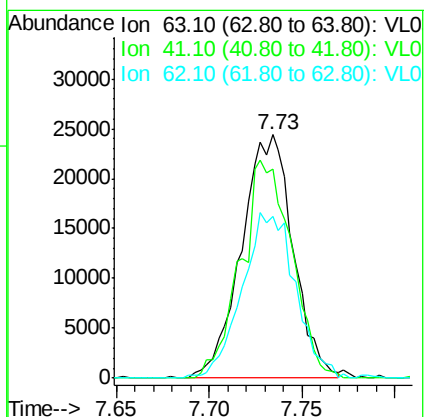
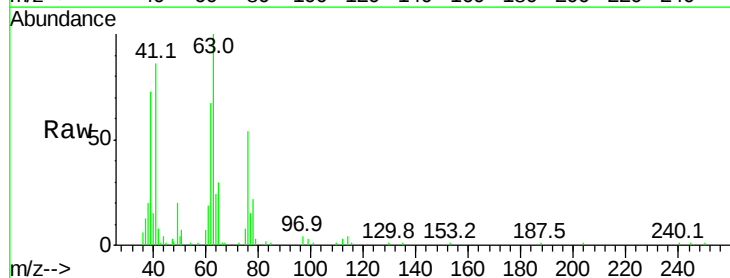
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

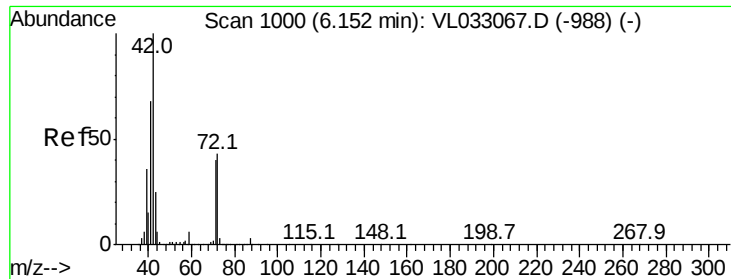
Tgt Ion: 130 Resp: 50359
 Ion Ratio Lower Upper
 130 100
 95 118.1 94.0 141.0
 132 97.9 79.7 119.5
 97 65.0 58.4 87.6



#39
 1,2-Dichloropropane
 Concen: 0.530 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion: 63 Resp: 47384
 Ion Ratio Lower Upper
 63 100
 41 85.6 57.8 86.8
 62 66.5 54.6 82.0





#41

Tetrahydrofuran

Concen: 0.311 ppbv

RT: 6.16 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

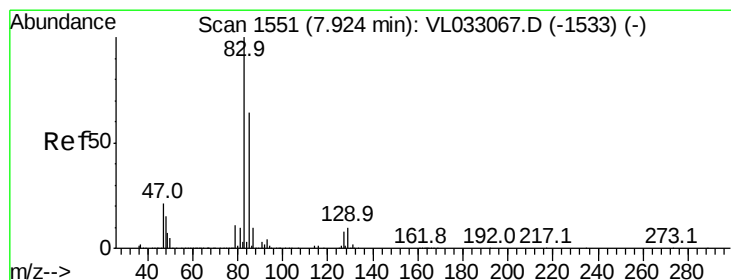
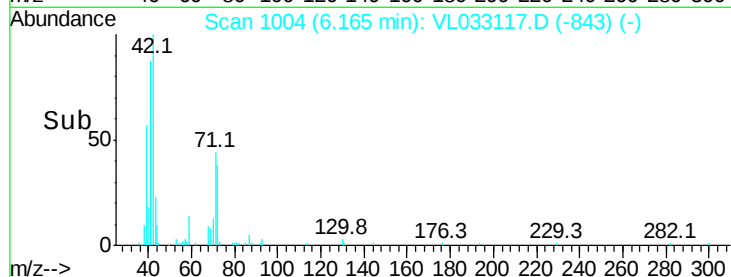
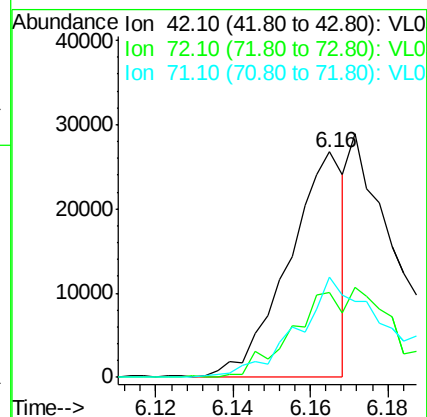
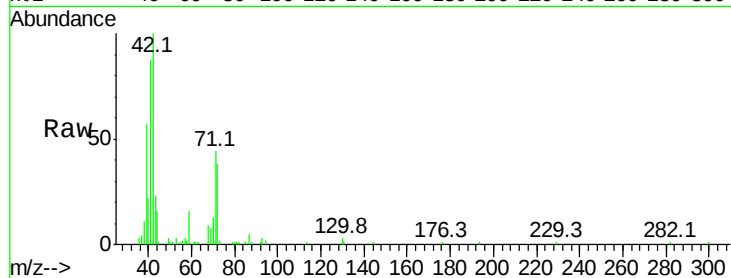
Tgt Ion: 42 Resp: 26671

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.8#

71 75.9 31.6 47.4#



#42

Bromodichloromethane

Concen: 0.569 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

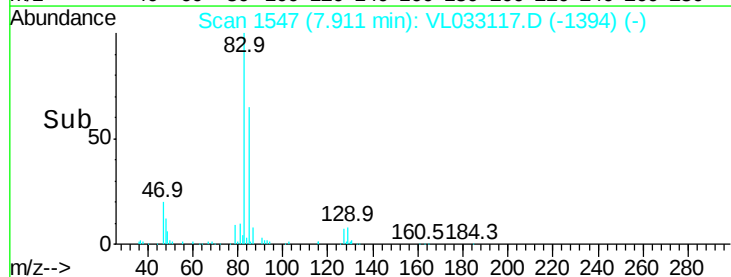
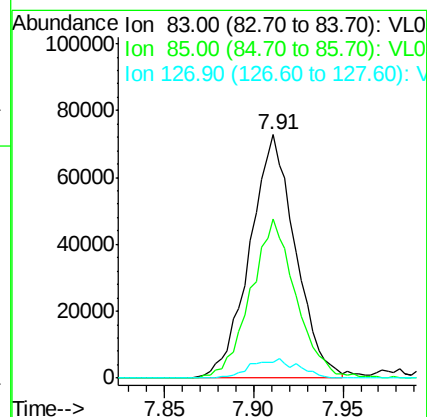
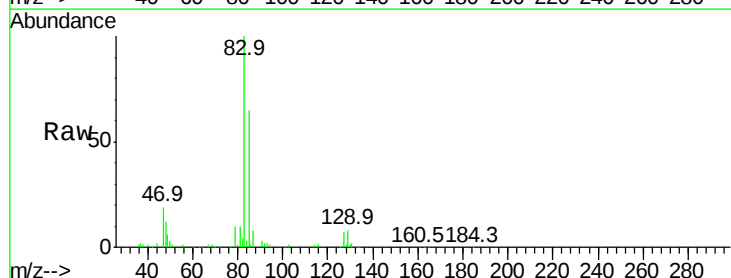
Tgt Ion: 83 Resp: 129736

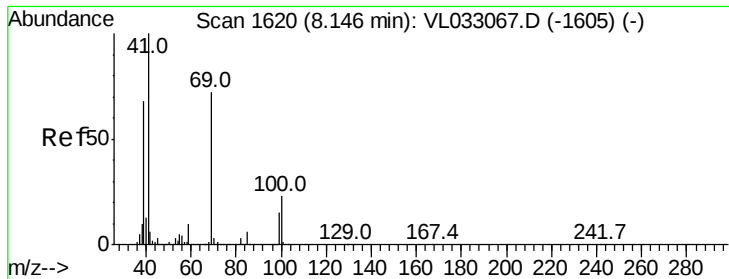
Ion Ratio Lower Upper

83 100

85 65.1 52.9 79.3

127 6.6 6.7 10.1#

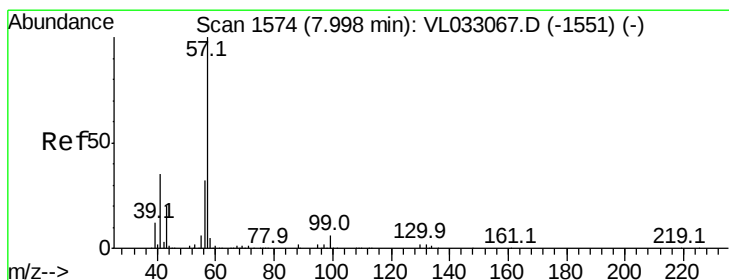
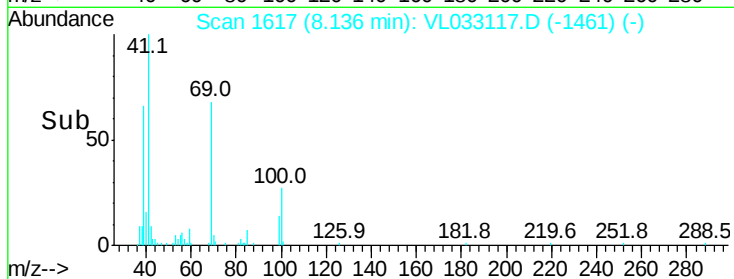
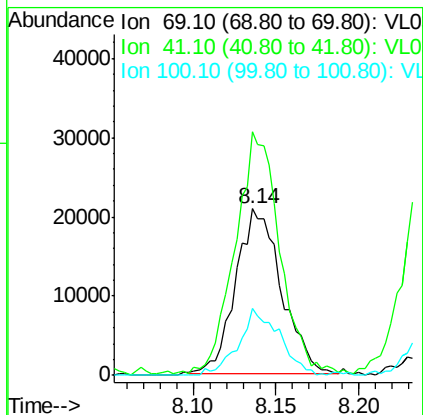
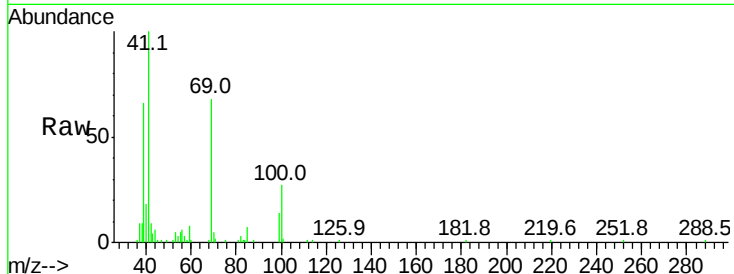




#43
Methyl Methacrylate
Concen: 0.450 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

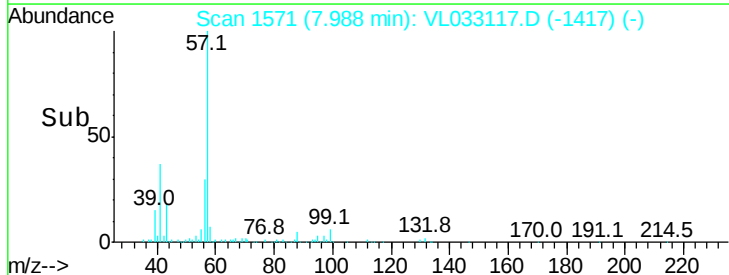
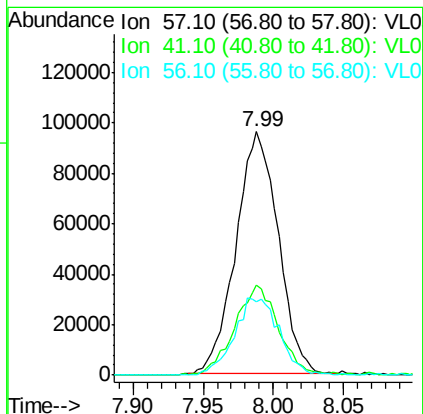
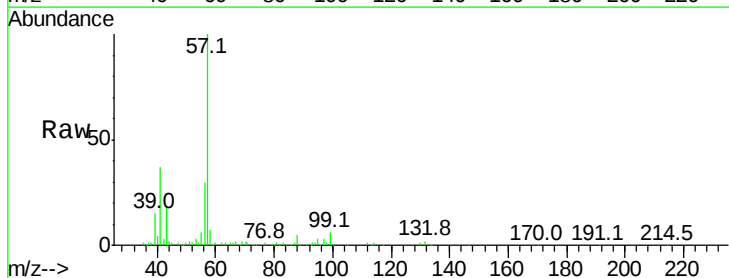
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

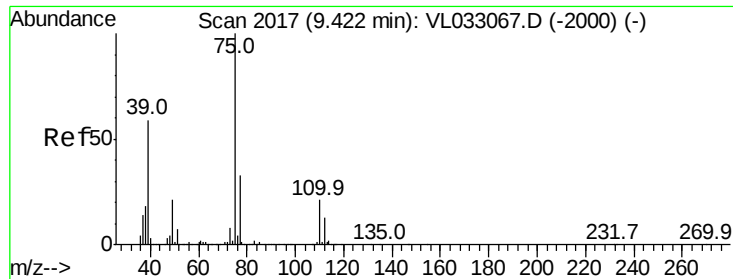
Tgt Ion: 69 Resp: 40147
Ion Ratio Lower Upper
69 100
41 143.5 113.9 170.9
100 36.4 26.2 39.4



#44
2,2,4-Trimethylpentane
Concen: 0.502 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion: 57 Resp: 202125
Ion Ratio Lower Upper
57 100
41 38.5 26.1 39.1
56 33.8 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 0.191 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

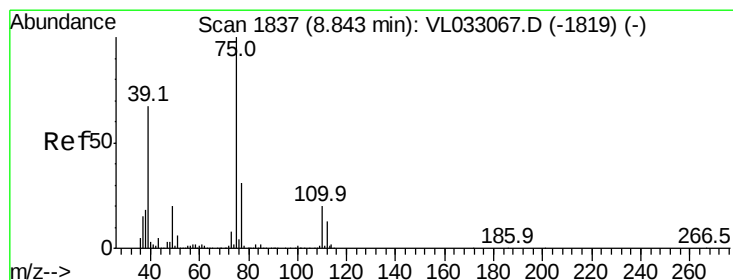
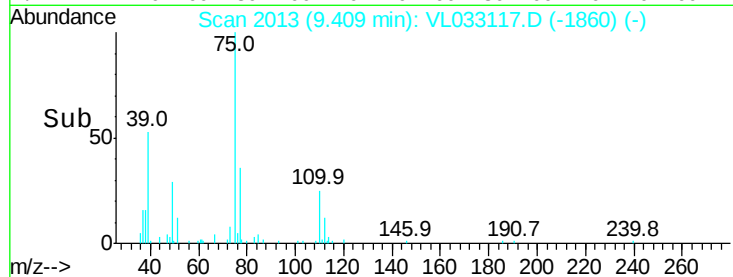
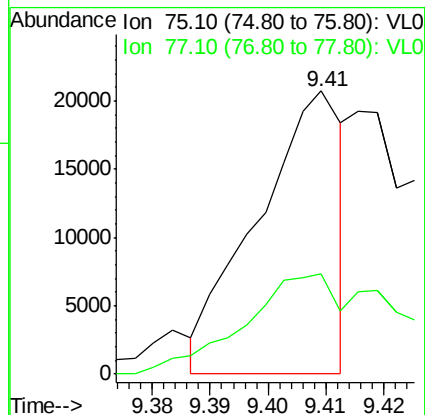
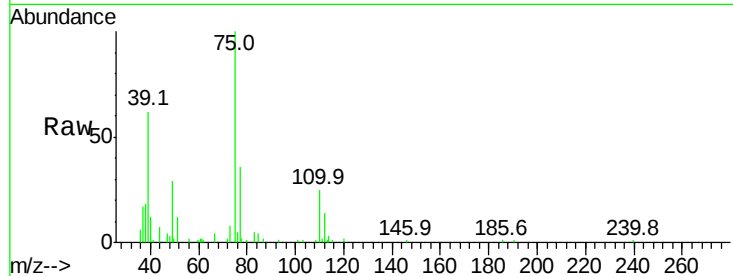
VSTDIC0.5

Tgt Ion: 75 Resp: 21186

Ion Ratio Lower Upper

75 100

77 35.5 24.9 37.3



#46

cis-1,3-Dichloropropene

Concen: 0.437 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

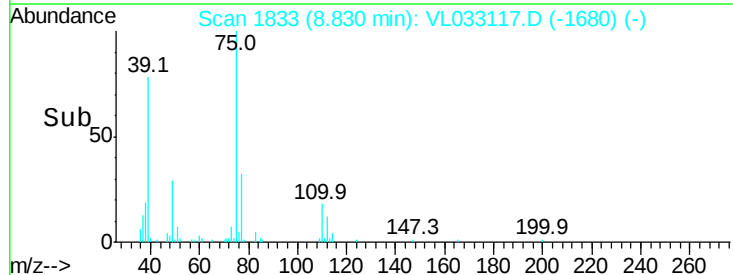
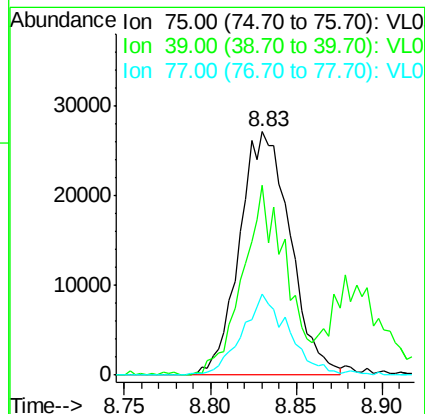
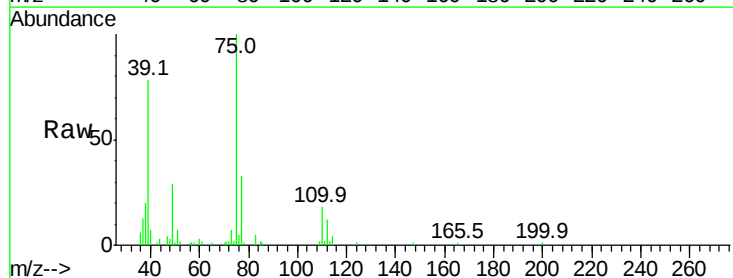
Tgt Ion: 75 Resp: 55423

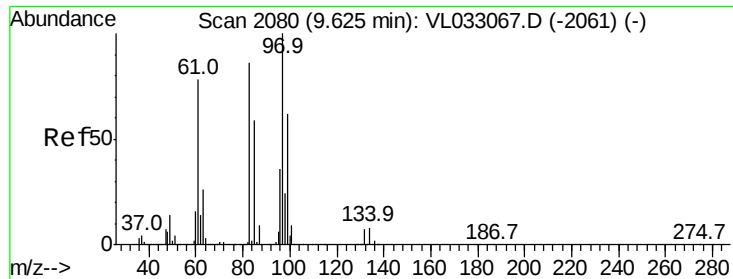
Ion Ratio Lower Upper

75 100

39 78.0 52.0 78.0

77 32.5 25.5 38.3

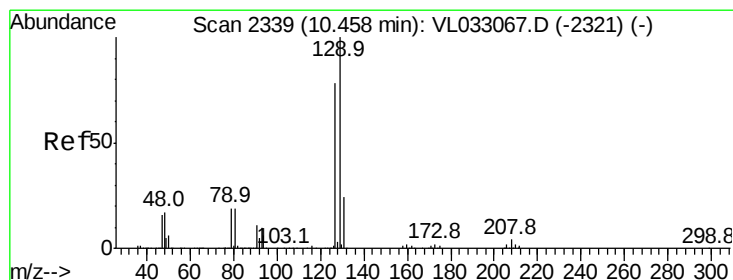
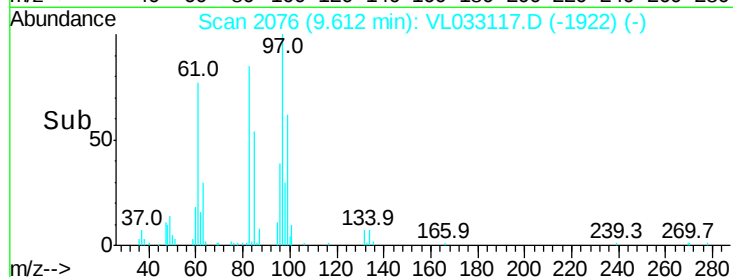
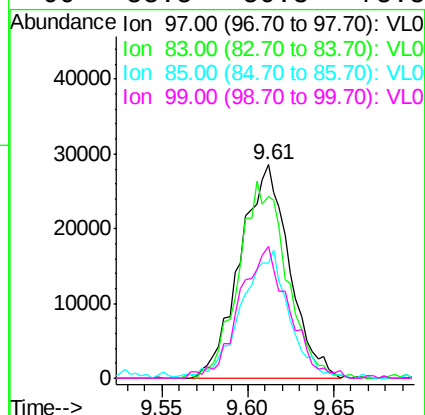
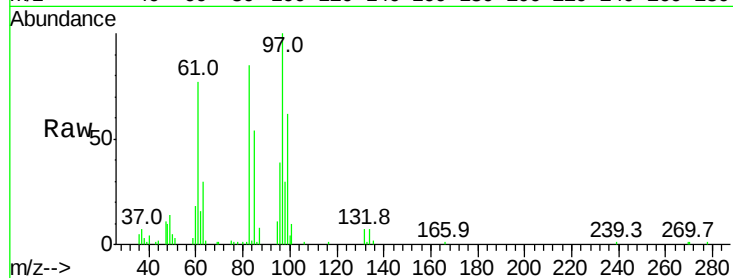




#47
 1,1,2-Trichloroethane
 Concen: 0.545 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

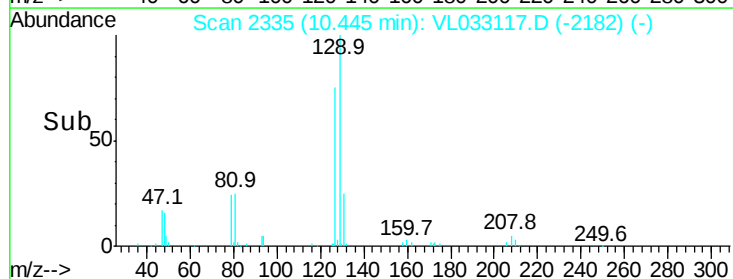
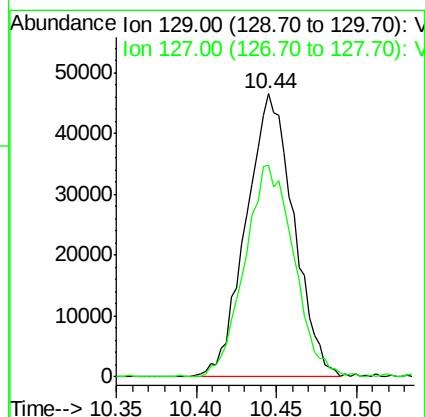
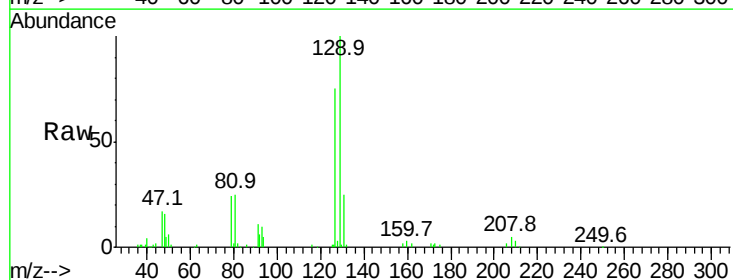
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

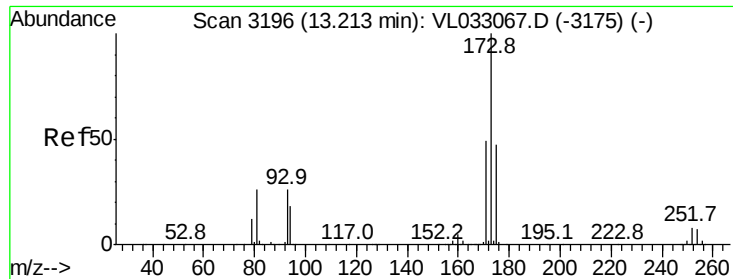
Tgt Ion:	97	Resp:	56928
Ion	Ratio	Lower	Upper
97	100		
83	84.3	71.4	107.2
85	52.2	47.2	70.8
99	58.5	50.3	75.5



#48
 Dibromochloromethane
 Concen: 0.515 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion:	129	Resp:	95083
Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.9





#49

Bromoform

Concen: 0.507 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

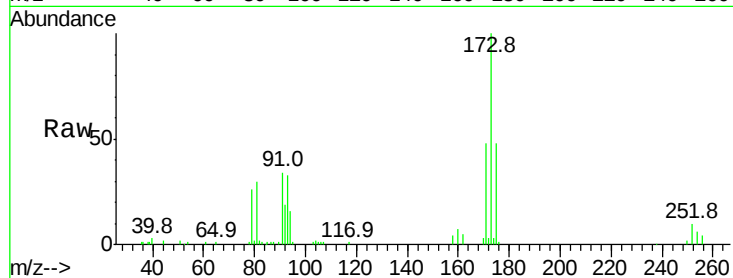
Tgt Ion:173 Resp: 81630

Ion Ratio Lower Upper

173 100

175 49.1 38.9 58.3

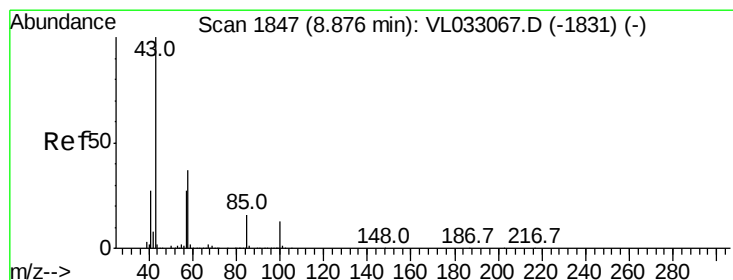
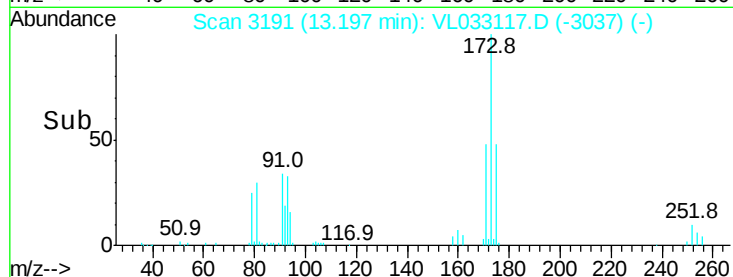
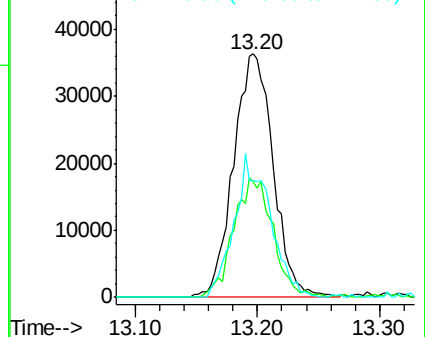
171 53.0 41.8 62.6



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: 0.300 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL033117.D

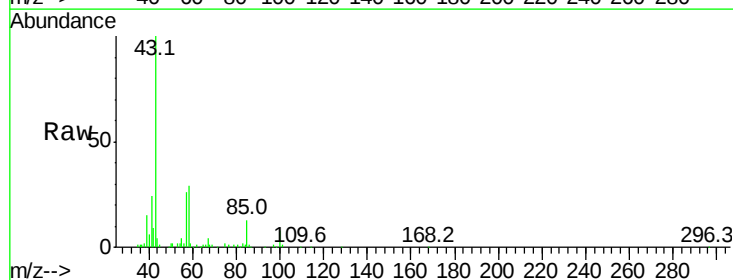
Acq: 28 Jan 2019 17:36

Tgt Ion: 43 Resp: 64237

Ion Ratio Lower Upper

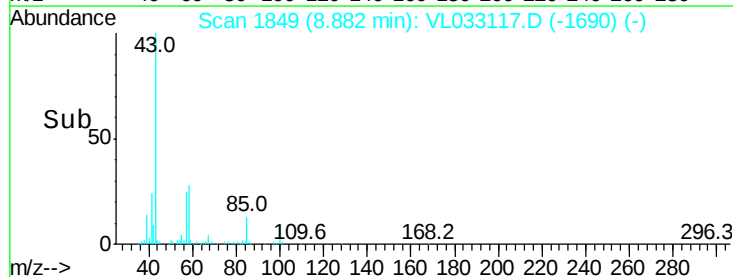
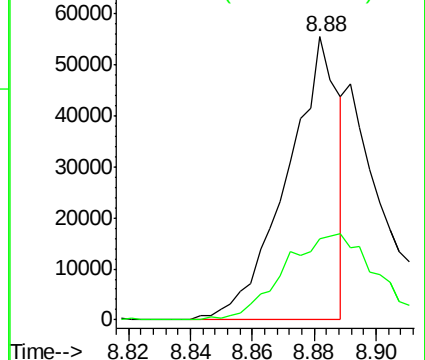
43 100

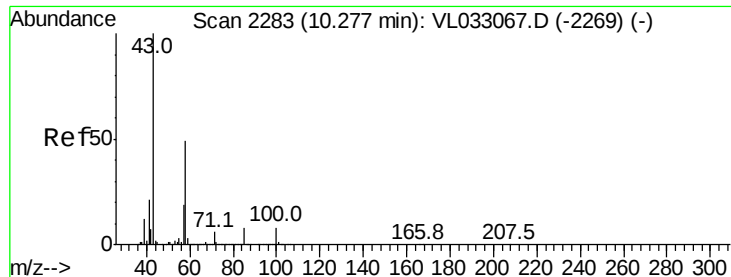
58 0.0 29.4 44.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.204 ppbv

RT: 10.30 min Scan# 2290

Delta R.T. 0.03 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

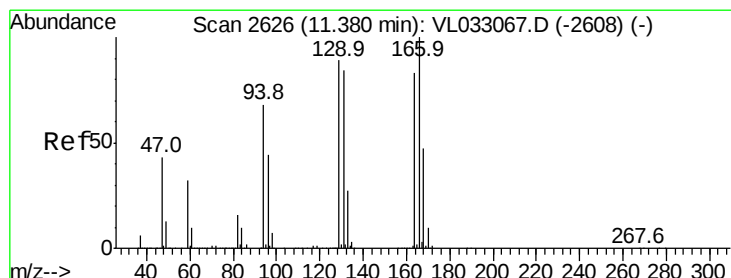
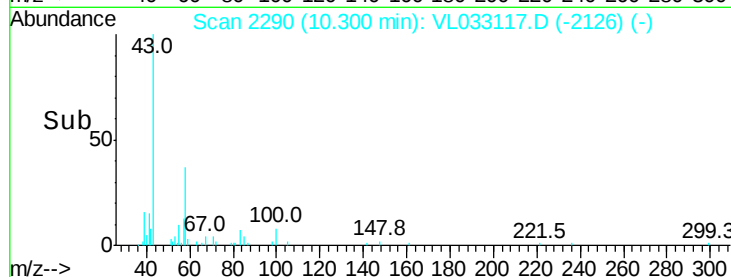
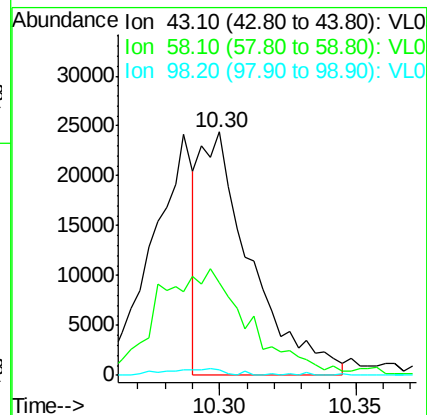
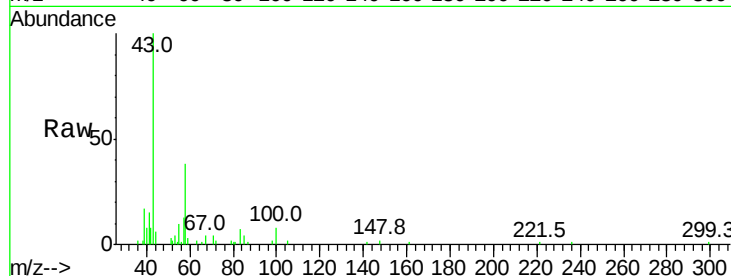
Tgt Ion: 43 Resp: 31512

Ion Ratio Lower Upper

43 100

58 82.3 39.5 59.3#

98 3.2 0.3 0.5#



#52

Tetrachloroethene

Concen: 0.336 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion: 164 Resp: 28240

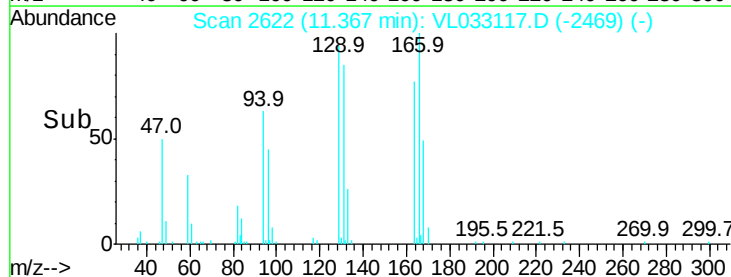
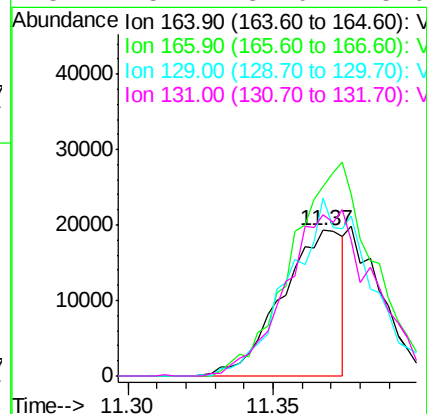
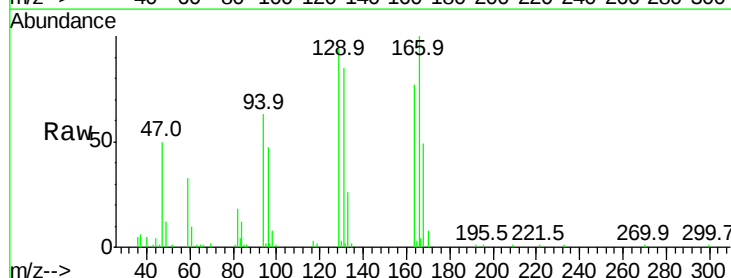
Ion Ratio Lower Upper

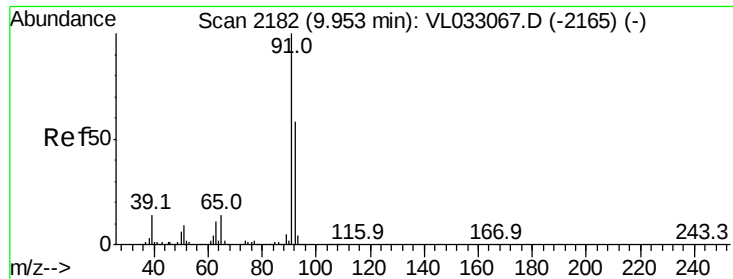
164 100

166 129.8 101.3 151.9

129 121.9 83.3 124.9

131 113.1 82.0 123.0





#53

Toluene

Concen: 0.404 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

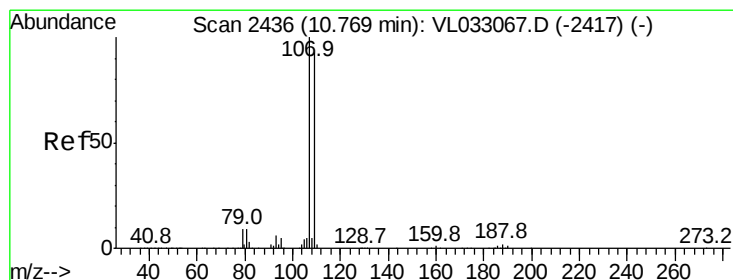
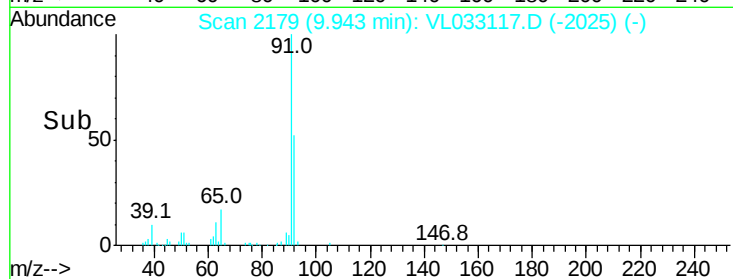
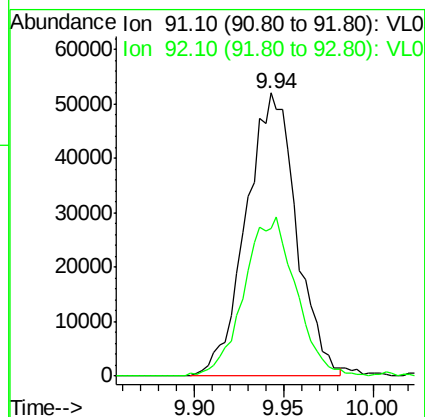
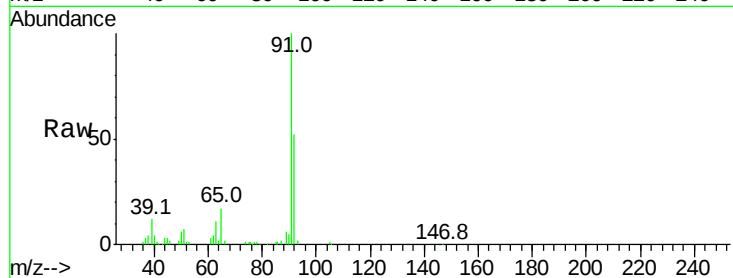
VSTDIC0.5

Tgt Ion: 91 Resp: 103057

Ion Ratio Lower Upper

91 100

92 57.5 47.9 71.9



#54

1,2-Dibromoethane

Concen: 0.446 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033117.D

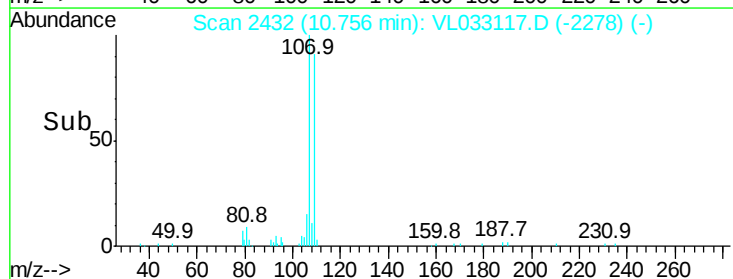
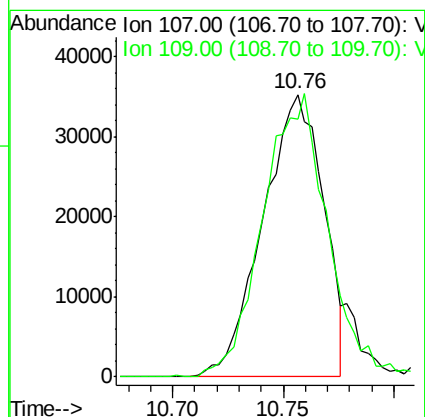
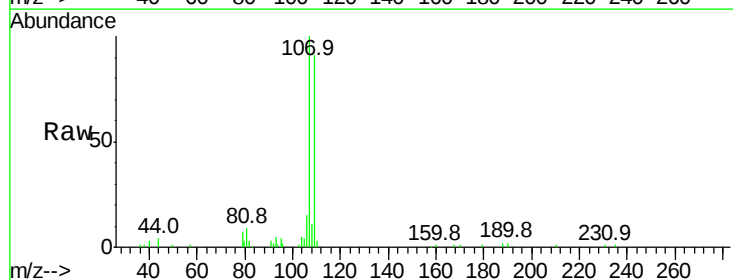
Acq: 28 Jan 2019 17:36

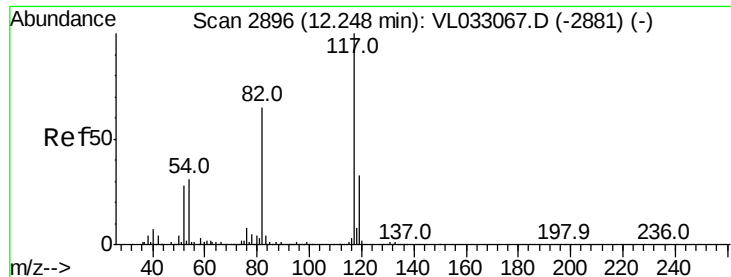
Tgt Ion: 107 Resp: 67135

Ion Ratio Lower Upper

107 100

109 91.2 75.8 113.6

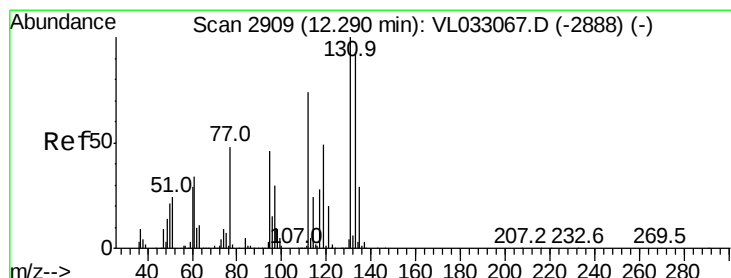
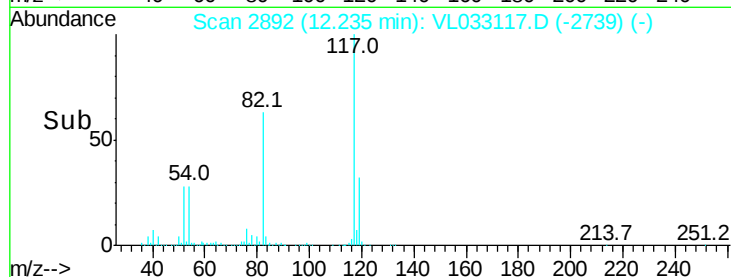
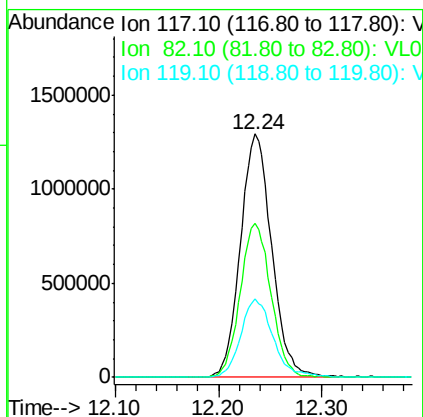
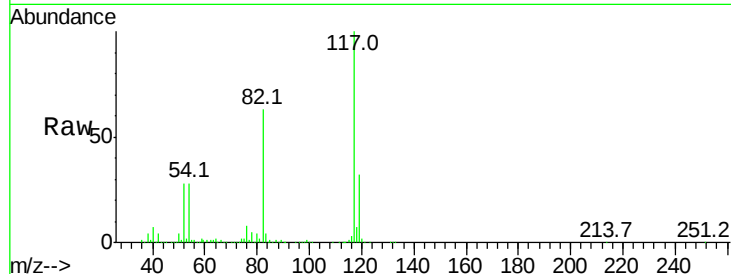




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

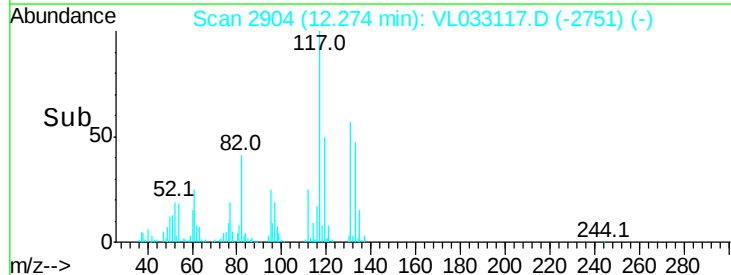
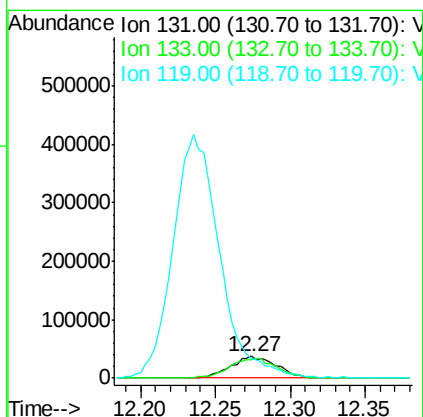
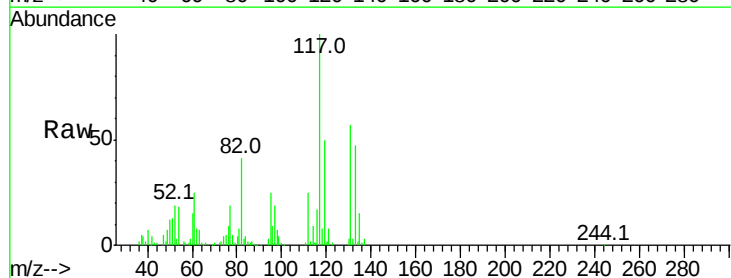
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

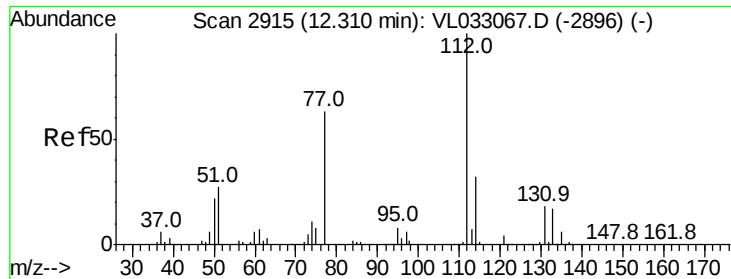
Tgt Ion:117 Resp: 2728298
Ion Ratio Lower Upper
117 100
82 62.6 48.3 72.5
119 33.3 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 0.561 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion:131 Resp: 79046
Ion Ratio Lower Upper
131 100
133 95.0 76.6 115.0
119 1157.8 44.6 66.8#

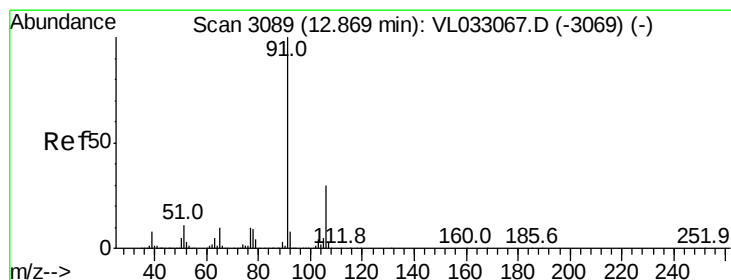
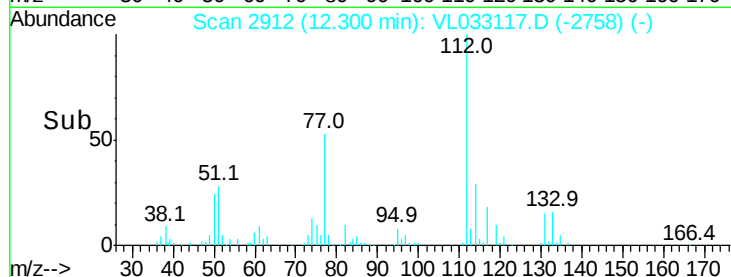
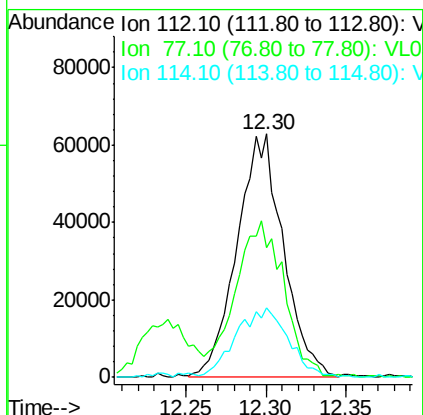
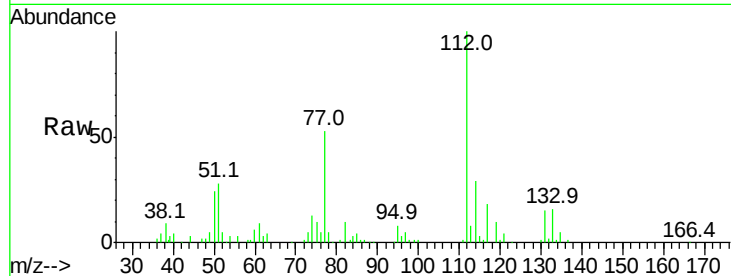




#57
Chlorobenzene
Concen: 0.547 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

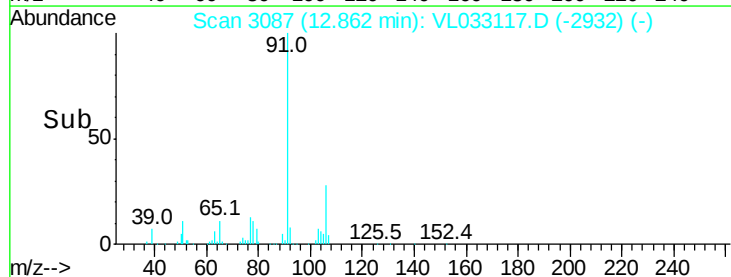
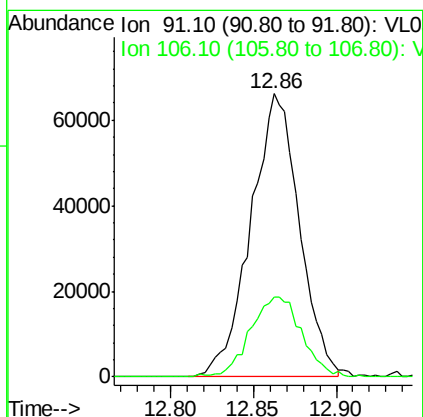
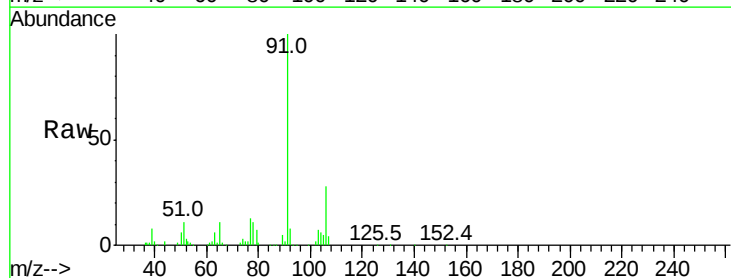
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

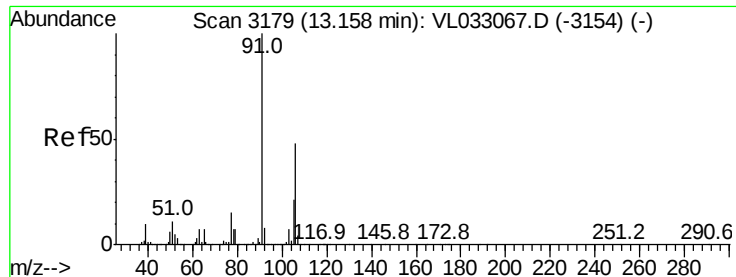
Tgt Ion: 112 Resp: 124488
Ion Ratio Lower Upper
112 100
77 52.2 51.6 77.4
114 28.5 27.9 34.1



#58
Ethyl Benzene
Concen: 0.391 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion: 91 Resp: 134834
Ion Ratio Lower Upper
91 100
106 28.0 24.4 36.6

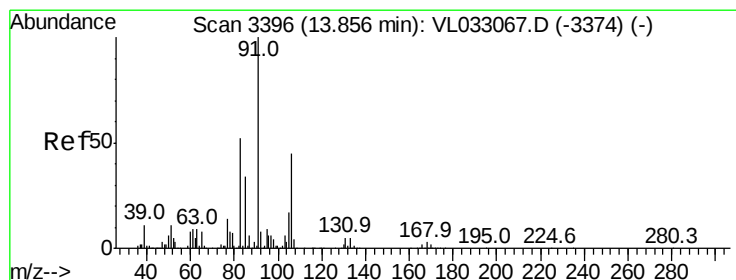
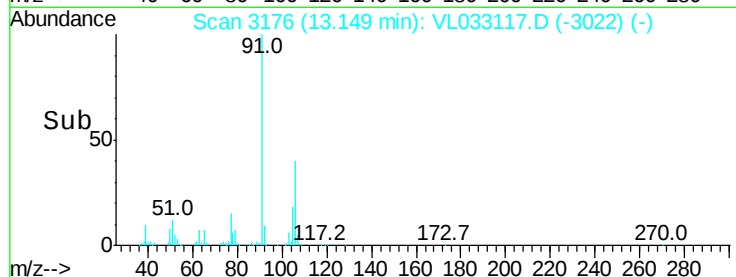
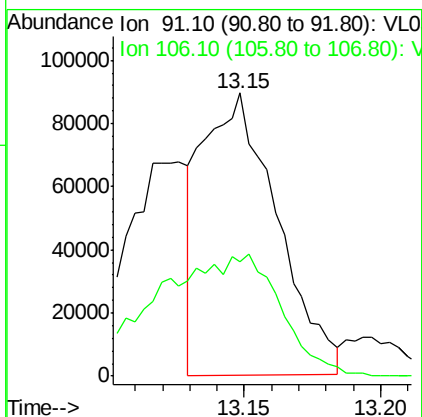
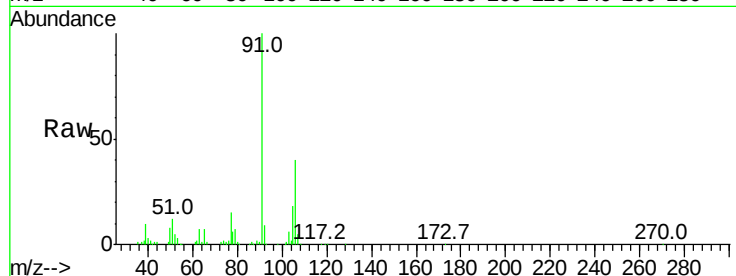




#59
m/p-Xylene
Concen: 0.535 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

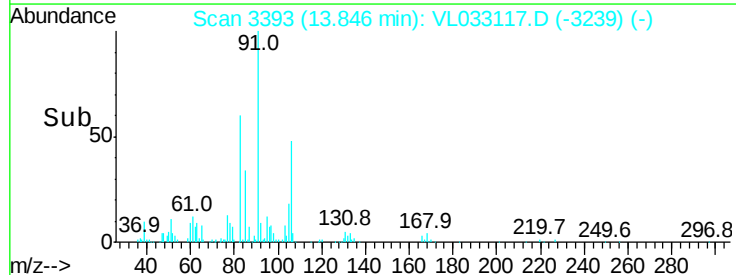
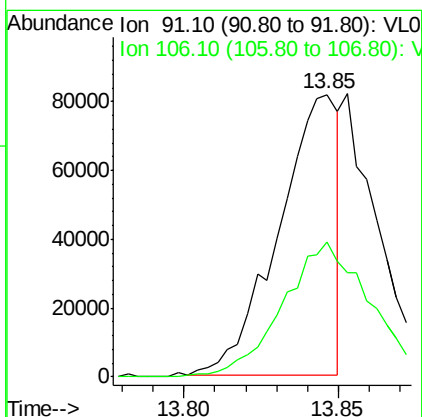
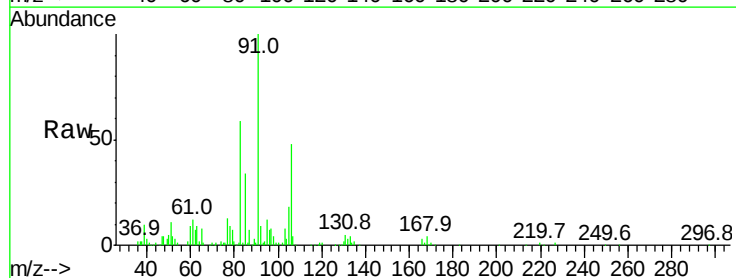
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

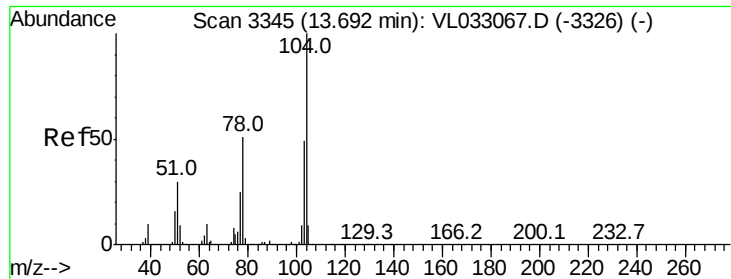
Tgt Ion: 91 Resp: 170432
Ion Ratio Lower Upper
91 100
106 74.4 0.0 0.0#



#60
o-Xylene
Concen: 0.350 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion: 91 Resp: 109208
Ion Ratio Lower Upper
91 100
106 71.4 22.6 67.8#

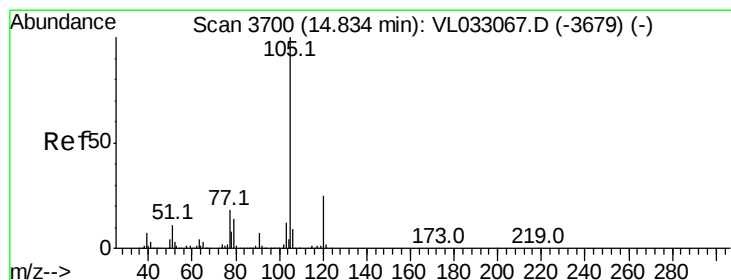
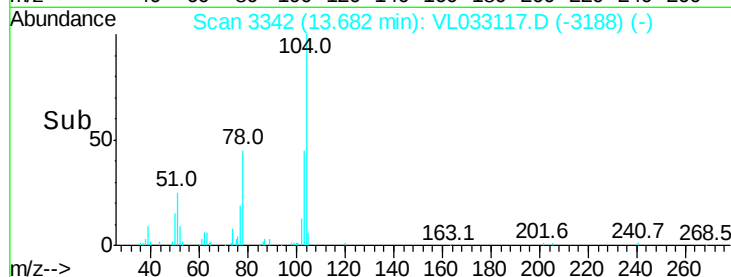
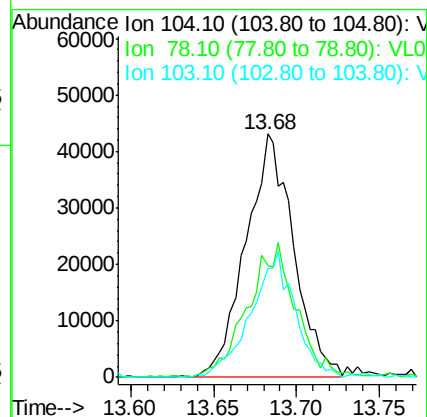
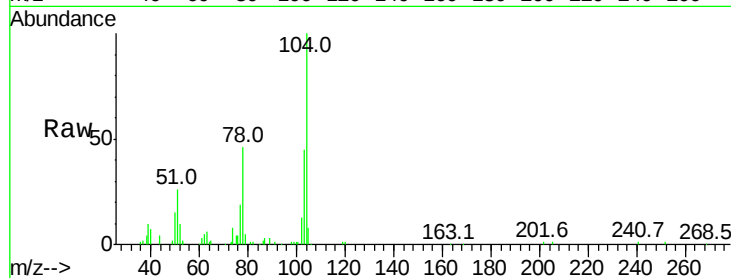




#61
Styrene
Concen: 0.434 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

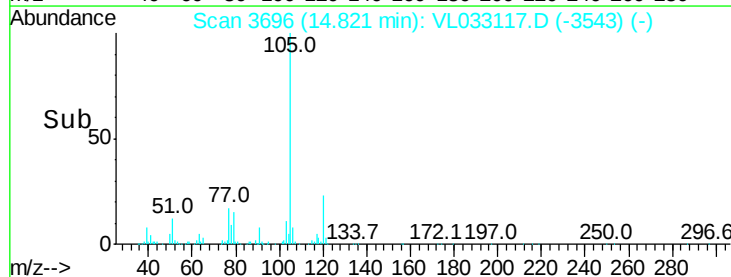
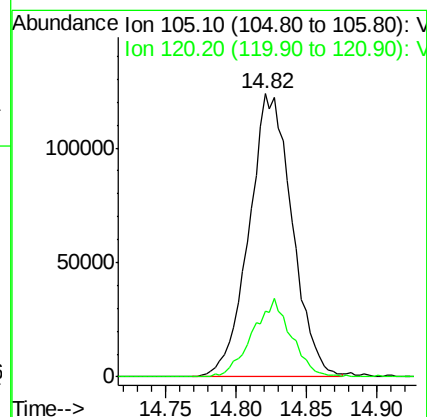
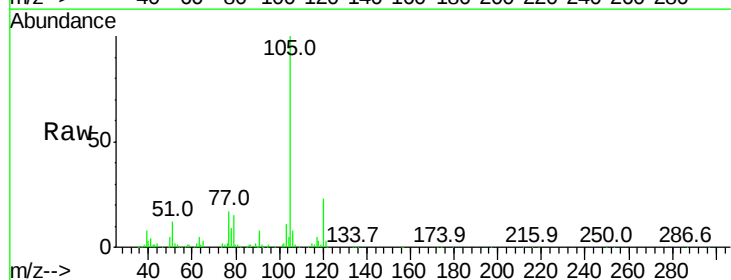
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

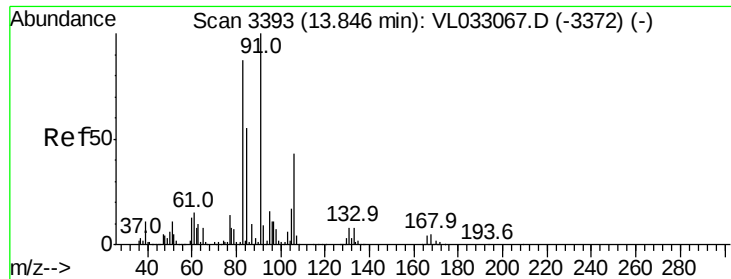
Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.2	41.4	62.0
103	47.6	37.8	56.6



#62
Isopropylbenzene
Concen: 0.596 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.4	30.6

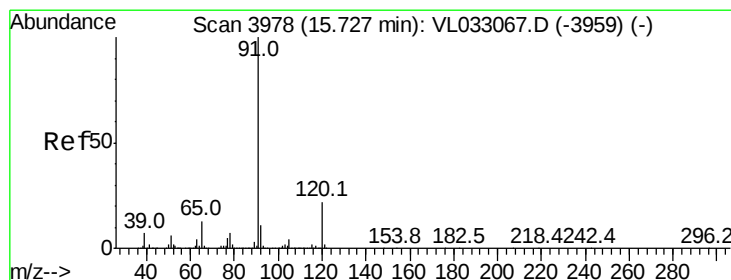
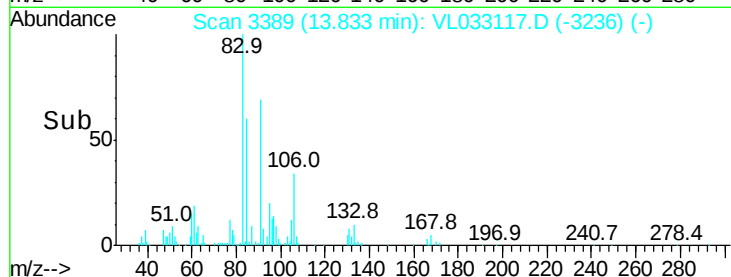
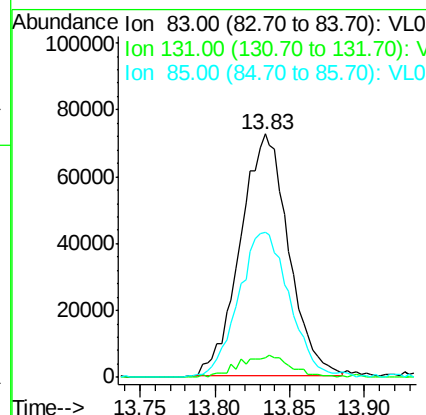
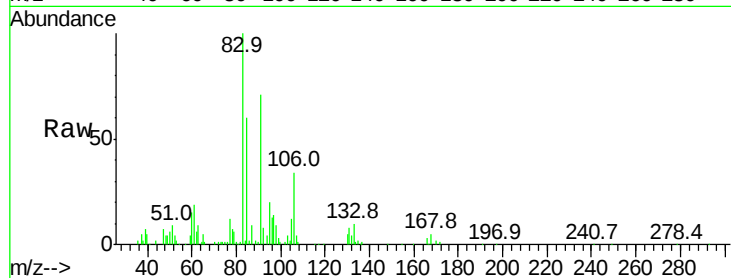




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.703 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

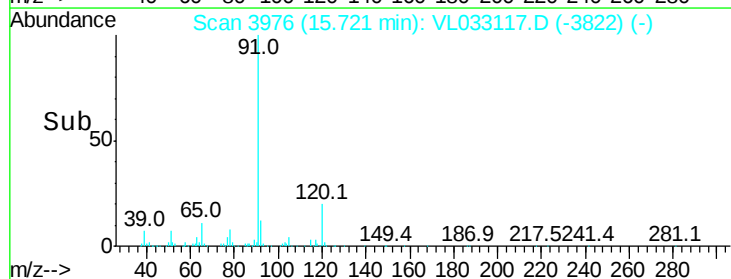
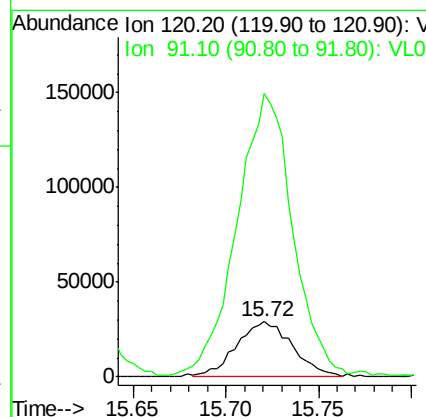
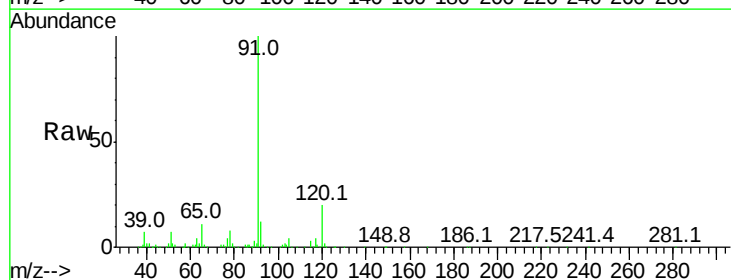
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

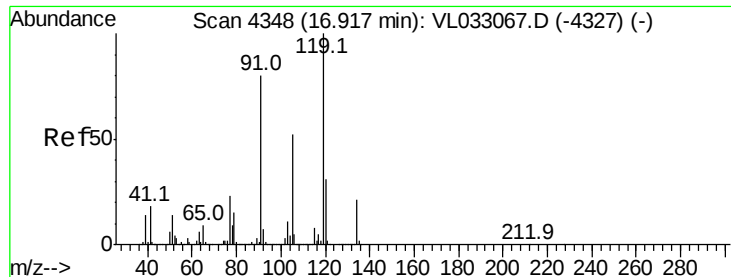
Tgt Ion: 83 Resp: 162900
 Ion Ratio Lower Upper
 83 100
 131 10.1 4.9 14.6
 85 63.7 32.5 97.4



#64
 n-propylbenzene
 Concen: 0.545 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion: 120 Resp: 61513
 Ion Ratio Lower Upper
 120 100
 91 519.6 375.7 563.5





#65

tert-Butylbenzene

Concen: 0.288 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

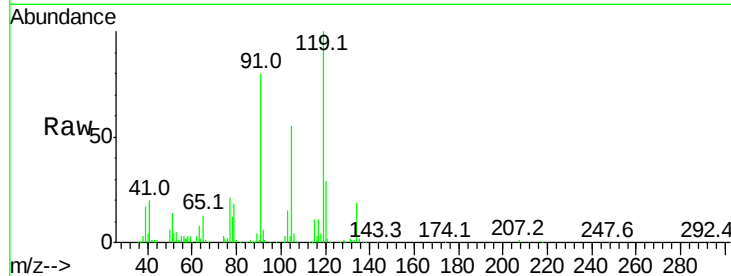
Tgt Ion: 119 Resp: 113337

Ion Ratio Lower Upper

119 100

91 0.0 64.5 96.7#

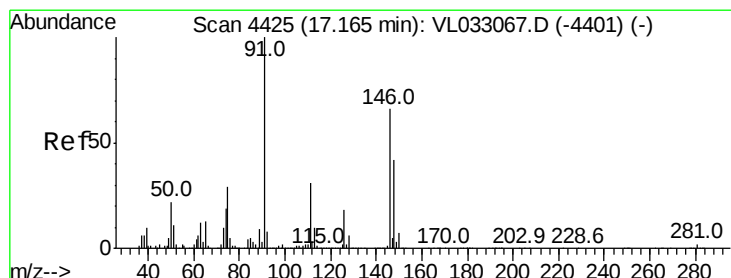
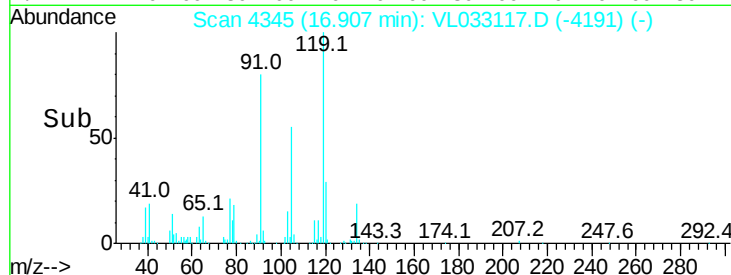
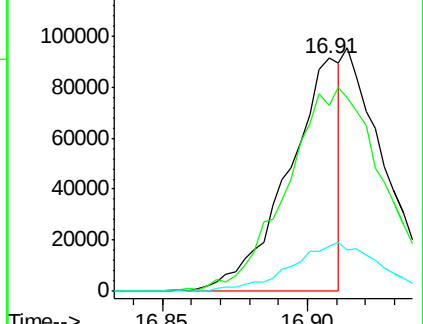
134 0.0 15.7 23.5#



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: 0.448 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

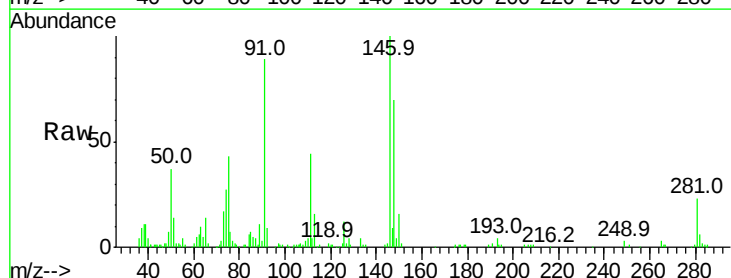
Tgt Ion: 91 Resp: 100522

Ion Ratio Lower Upper

91 100

126 20.1 14.3 21.5

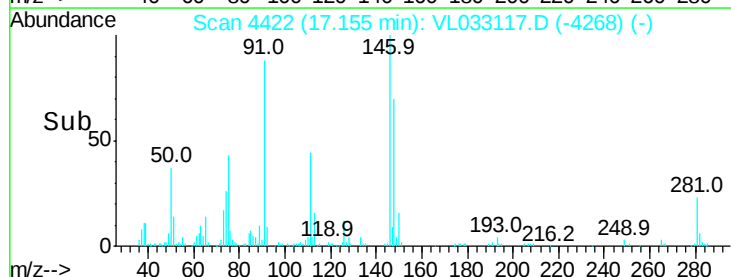
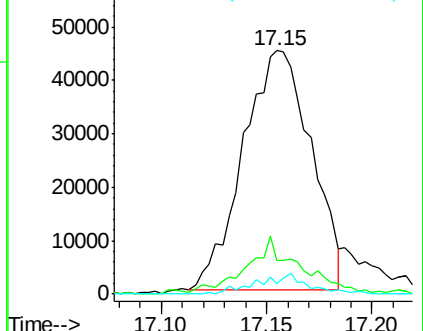
128 6.3 4.6 7.0

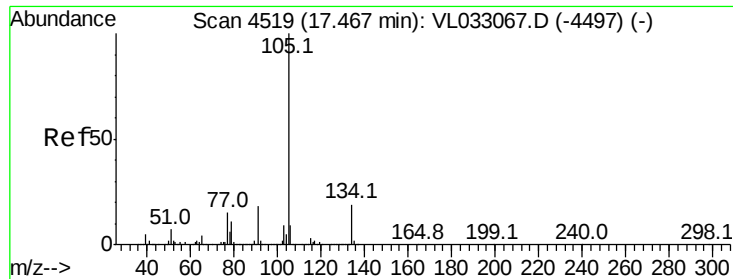


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.564 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

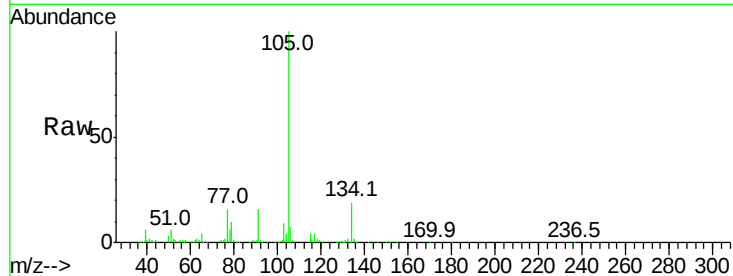
VSTDIC0.5

Tgt Ion: 105 Resp: 317151

Ion Ratio Lower Upper

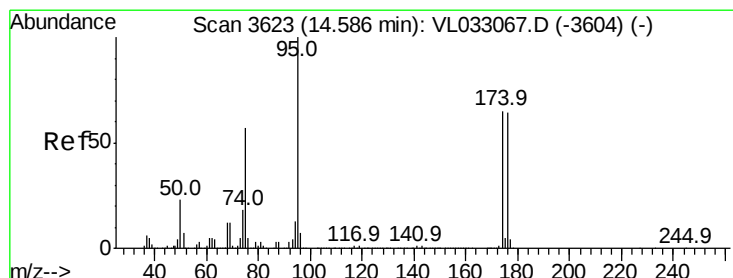
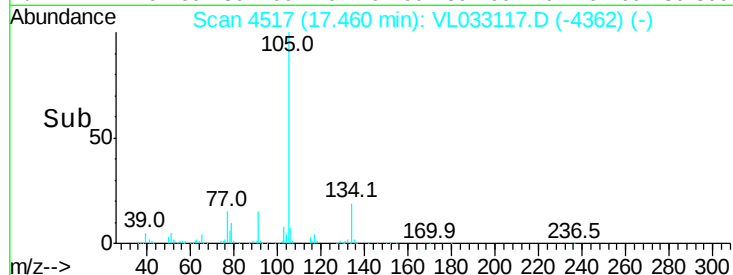
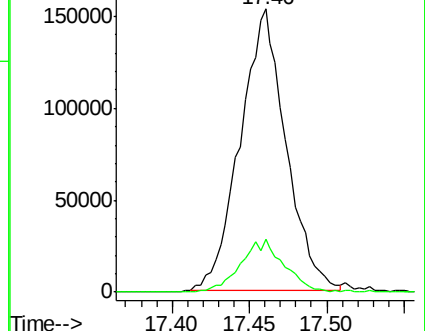
105 100

134 18.0 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 12.676 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

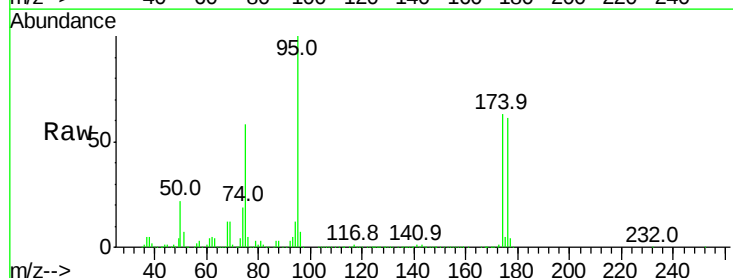
Tgt Ion: 95 Resp: 2651022

Ion Ratio Lower Upper

95 100

174 65.2 51.4 77.2

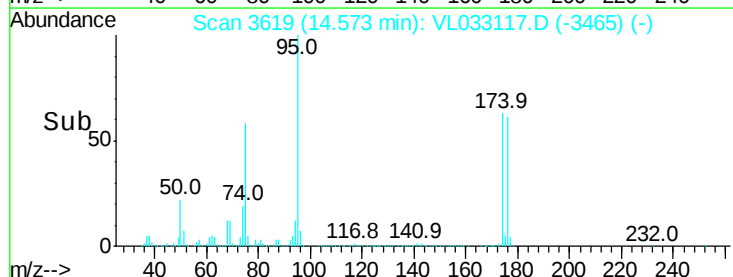
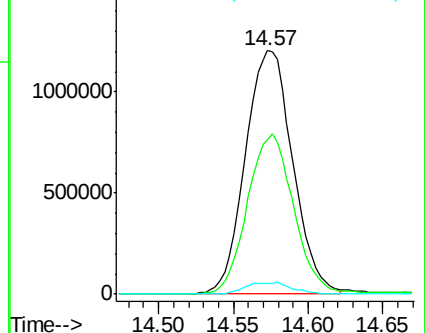
175 4.8 4.0 6.0

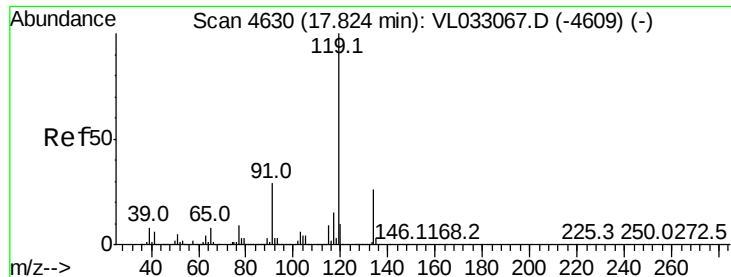


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

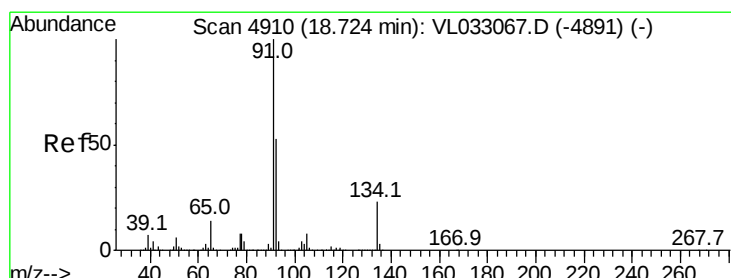
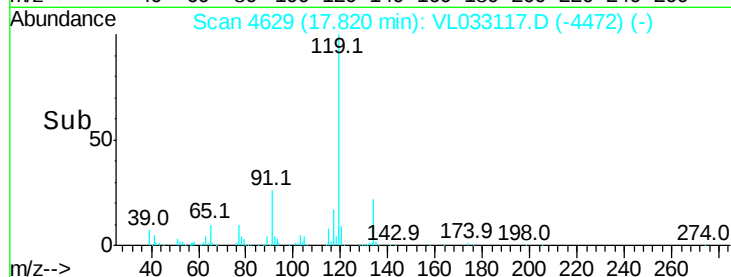
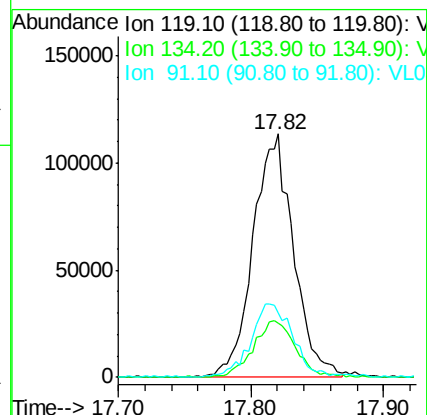
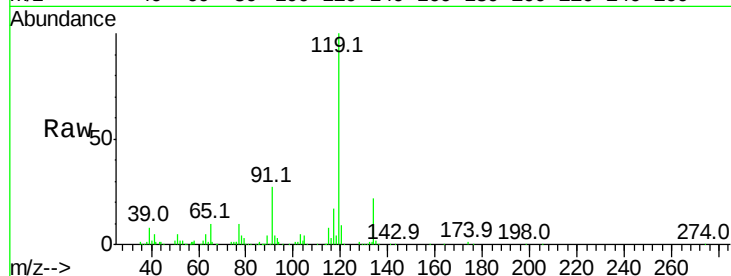




#69
 p-Isopropyltoluene
 Concen: 0.527 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

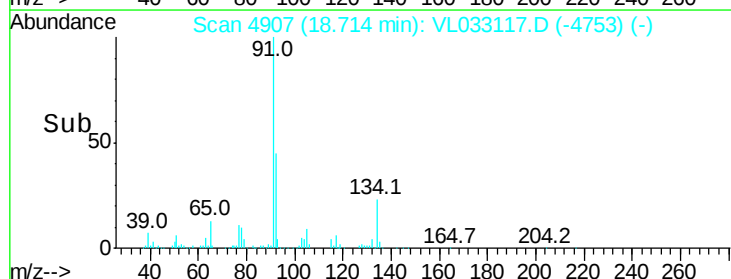
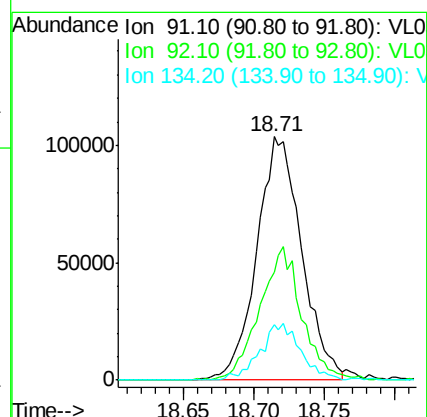
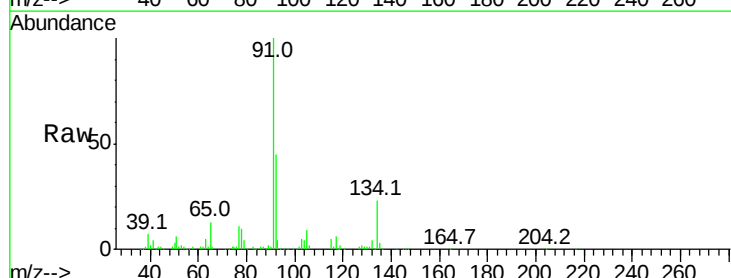
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

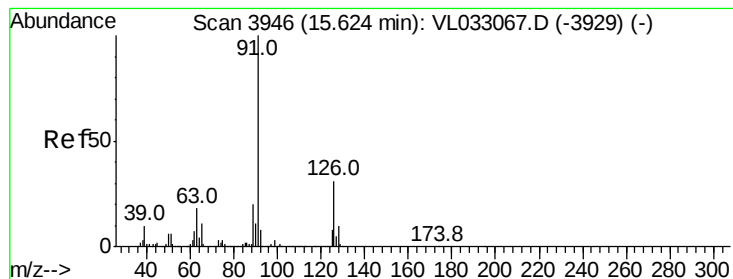
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.5	20.4	30.6
91	32.4	22.8	34.2



#70
 n-Butylbenzene
 Concen: 0.501 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	43.0	64.6
134	21.4	18.4	27.6

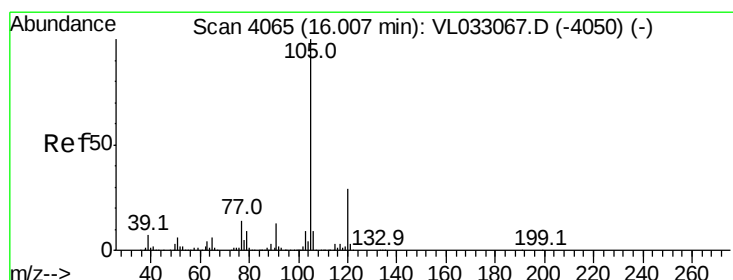
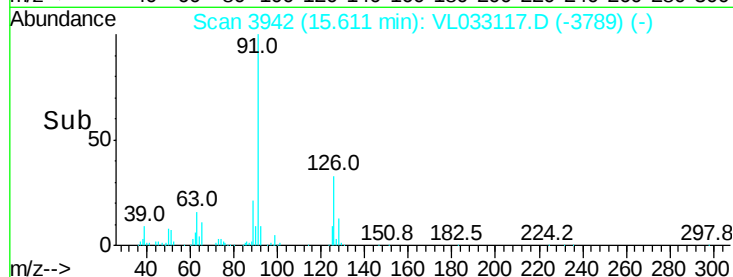
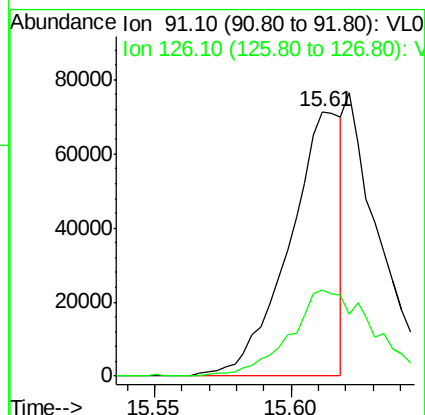
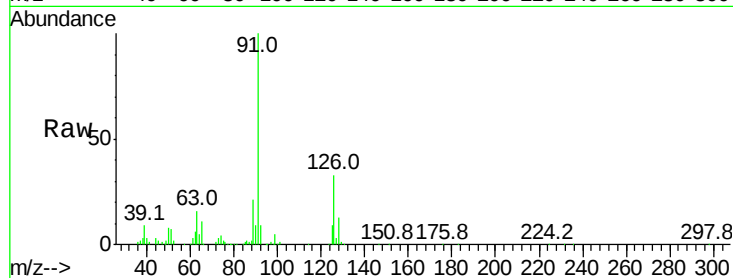




#71
 2-Chlorotoluene
 Concen: 0.301 ppbv
 RT: 15.61 min Scan# 3942
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

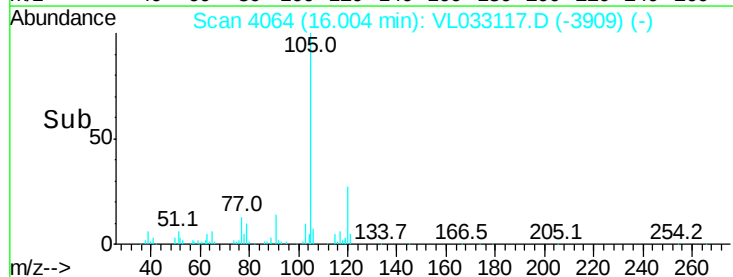
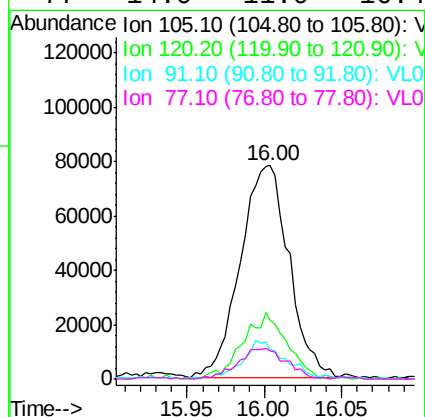
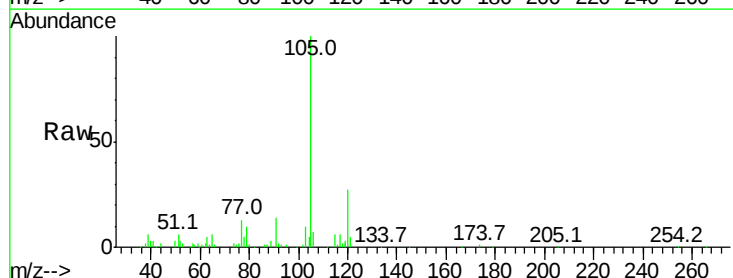
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

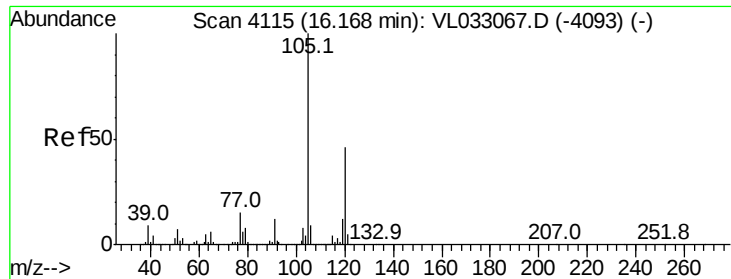
Tgt Ion: 91 Resp: 94880
 Ion Ratio Lower Upper
 91 100
 126 52.7 12.4 49.8#



#72
 4-Ethyltoluene
 Concen: 0.498 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion: 105 Resp: 170588
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.5 35.3
 91 15.8 10.3 15.5#
 77 14.9 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.525 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

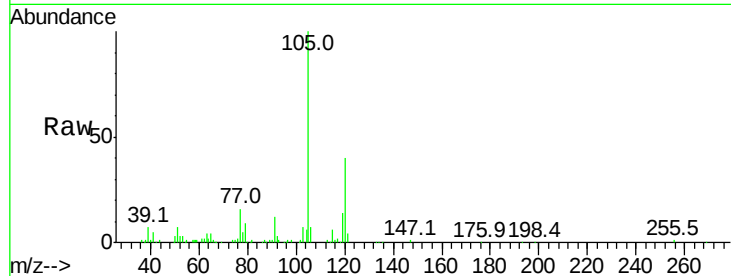
VSTDIC0.5

Tgt Ion:105 Resp: 177572

Ion Ratio Lower Upper

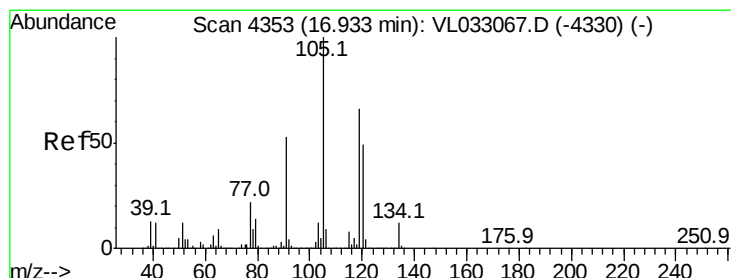
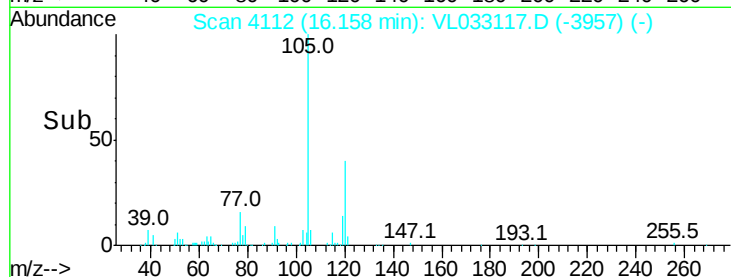
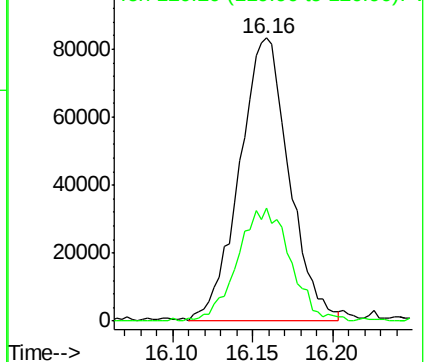
105 100

120 39.0 37.5 56.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.547 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:105 Resp: 204779

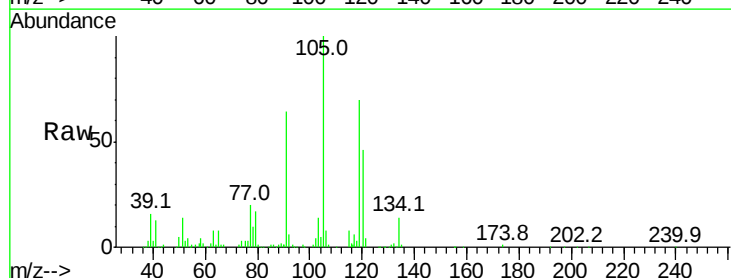
Ion Ratio Lower Upper

105 100

120 44.9 37.9 56.9

91 63.1 39.8 59.8#

77 18.9 17.8 26.8

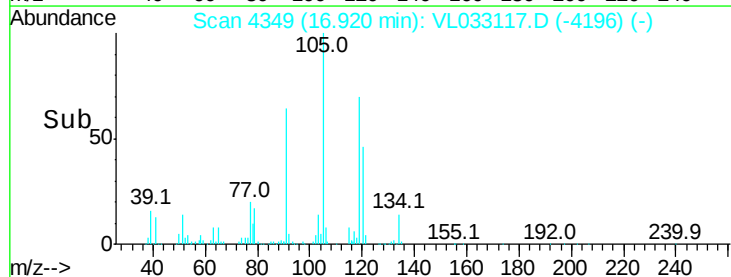
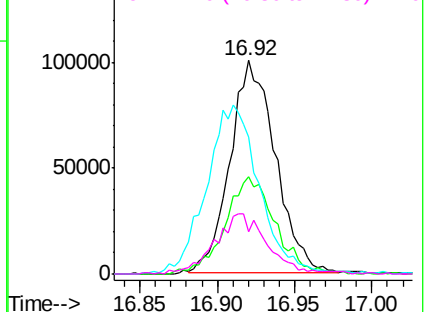


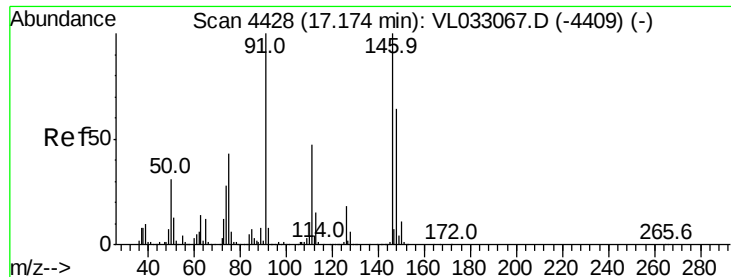
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.303 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

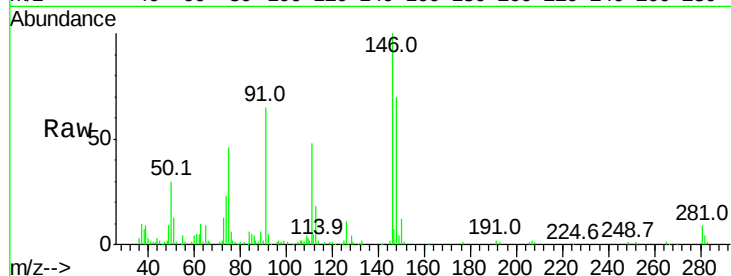
Tgt Ion:146 Resp: 66829

Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.0#

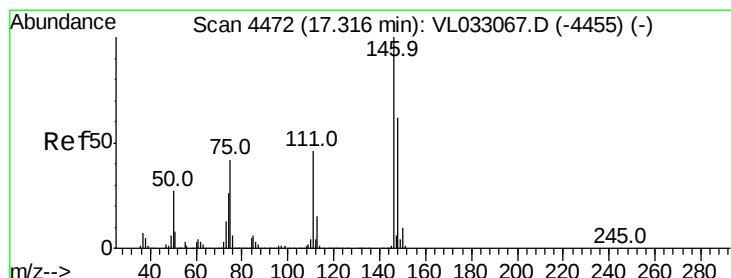
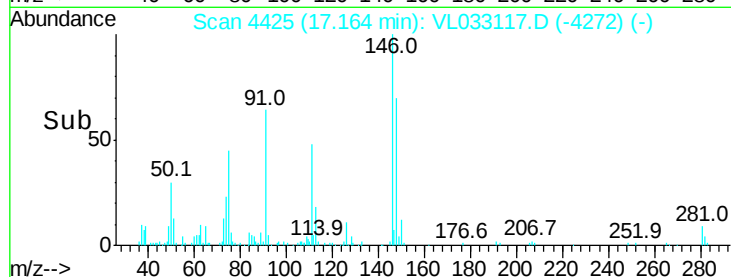
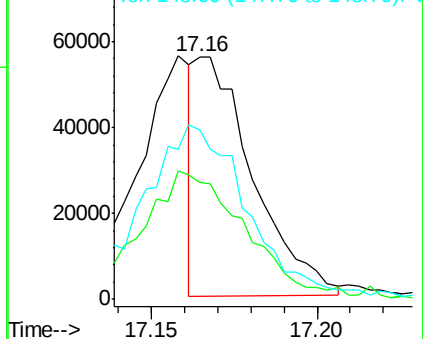
148 137.0 32.1 96.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.307 ppbv

RT: 17.30 min Scan# 4468

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

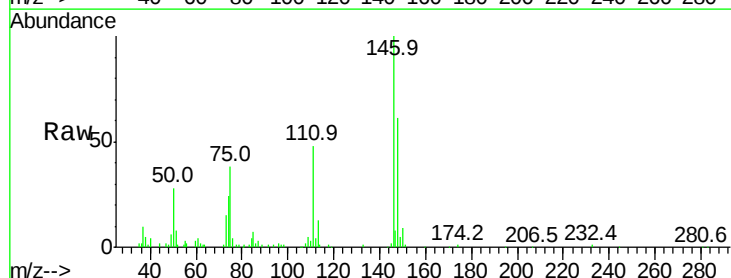
Tgt Ion:146 Resp: 61648

Ion Ratio Lower Upper

146 100

111 90.7 22.7 68.0#

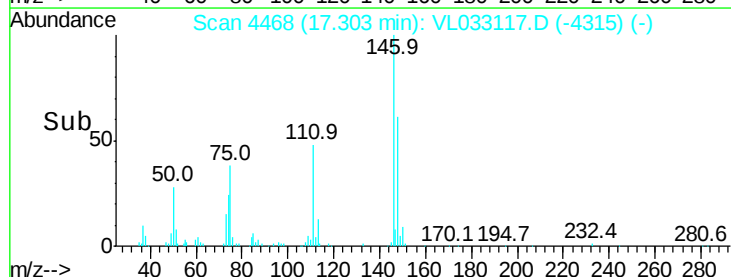
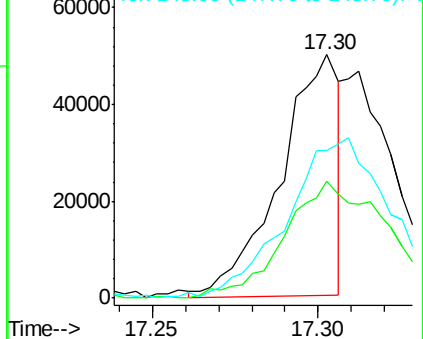
148 0.0 32.1 96.3#

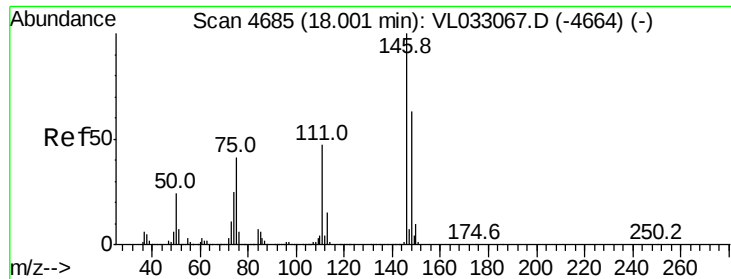


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.328 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.01 min

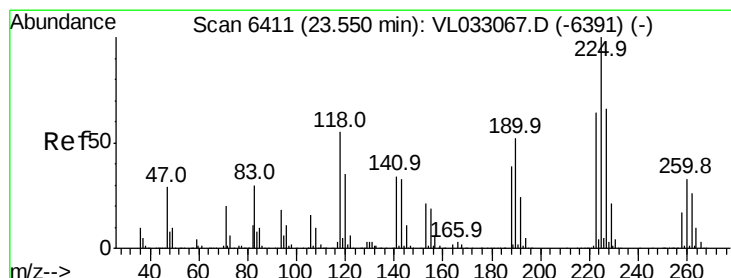
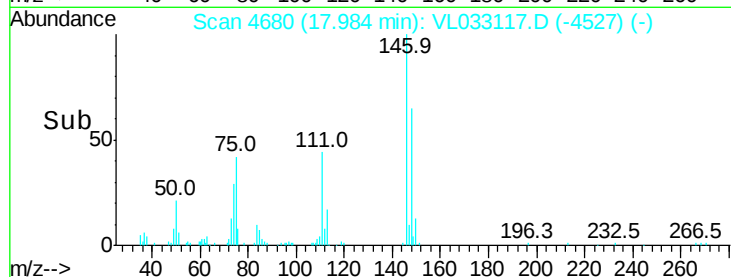
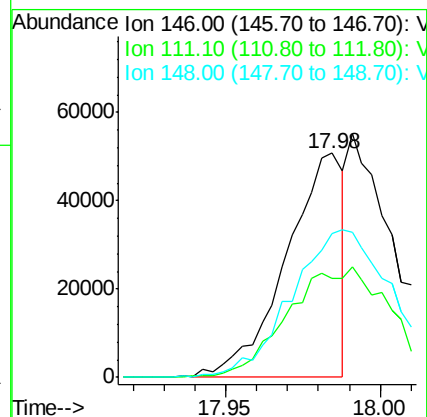
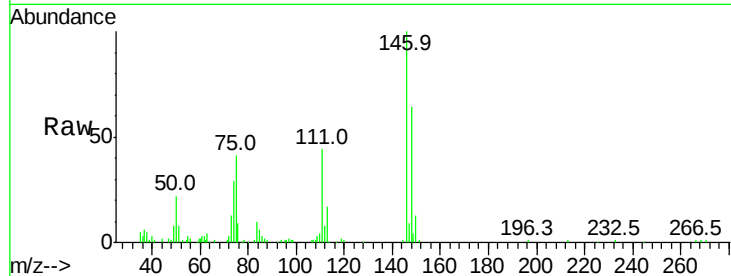
Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 65080

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.4	73.2#
148	0.0	32.6	97.7#



#78

Hexachloro-1,3-Butadiene

Concen: 0.550 ppbv

RT: 23.54 min Scan# 6409

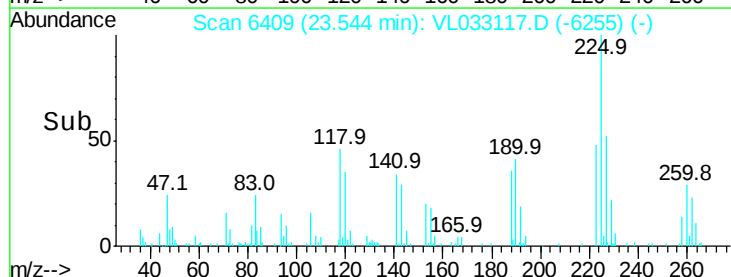
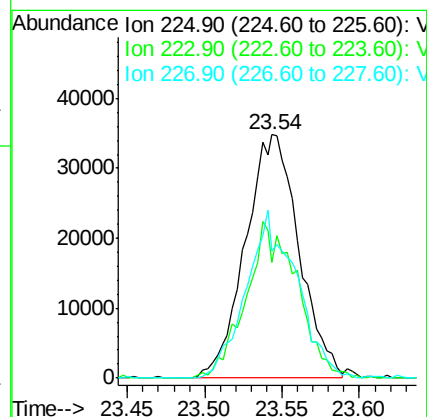
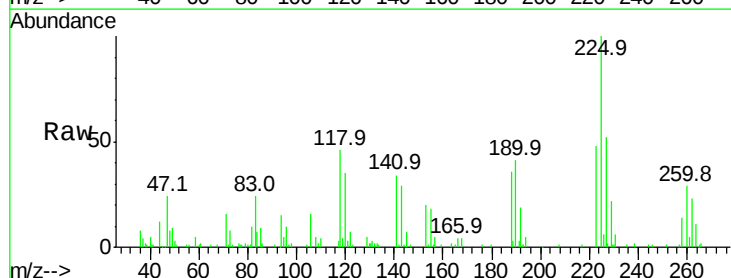
Delta R.T. -0.00 min

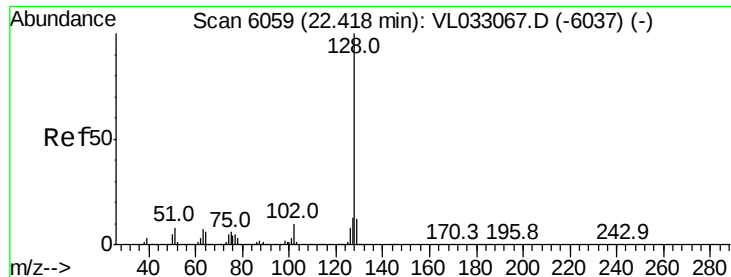
Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:225 Resp: 83941

Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.5	75.7
227	64.2	51.0	76.4





#79

Naphthalene

Concen: 0.150 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

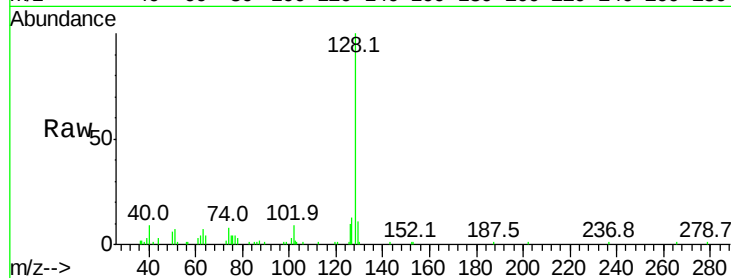
Tgt Ion:128 Resp: 47236

Ion Ratio Lower Upper

128 100

127 12.2 10.6 15.8

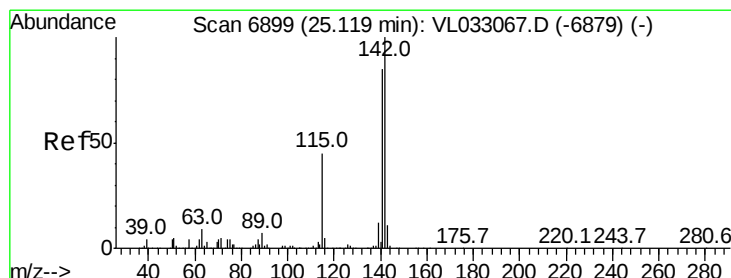
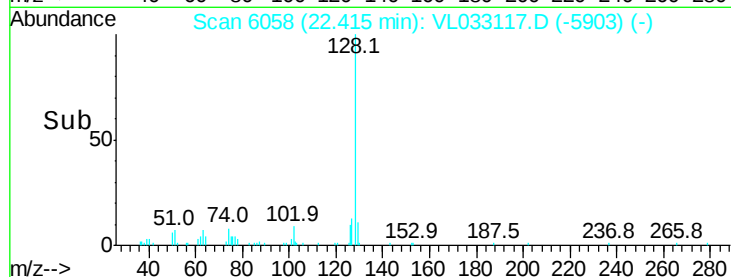
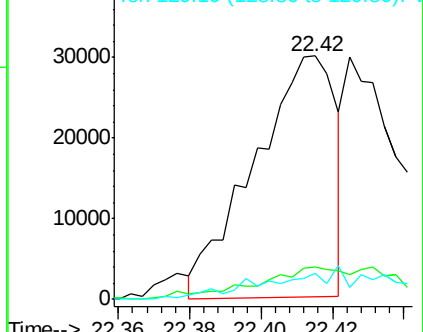
129 10.0 9.2 13.8



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: 0.108 ppbv

RT: 25.11 min Scan# 6896

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

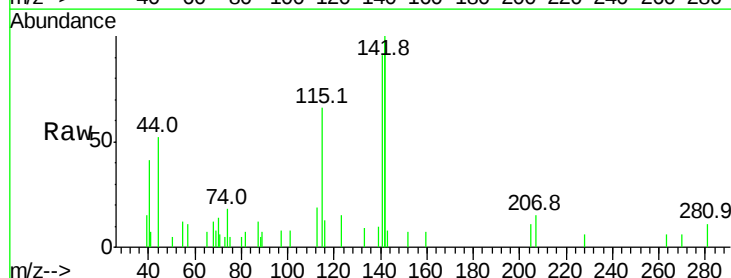
Tgt Ion:142 Resp: 10350

Ion Ratio Lower Upper

142 100

141 76.8 67.4 101.2

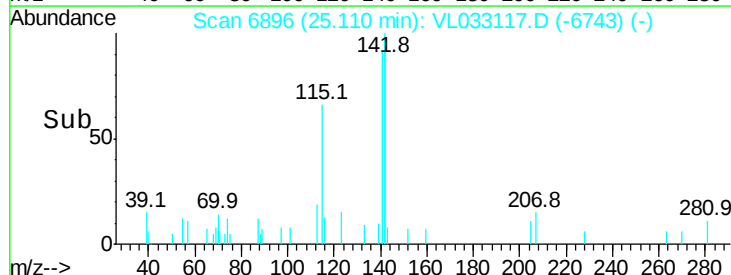
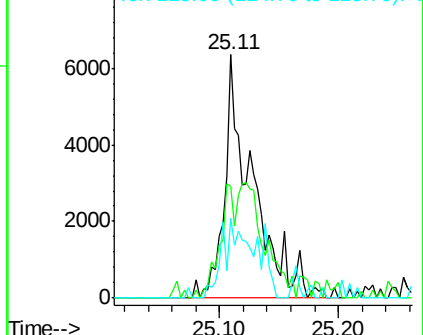
115 43.1 34.9 52.3

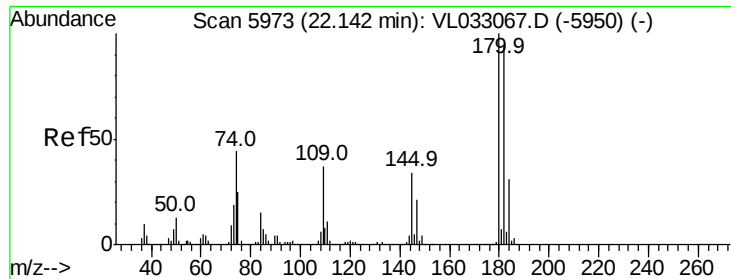


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.217 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 33139
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.5 114.7#
 184 0.0 24.2 36.4#

