

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
 Data File : VL033704.D
 Acq On : 17 May 2019 4:34
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: May 17 07:12:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 07:07:57 2019
 QLast Update : Fri May 17 07:07:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	990979	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2444165	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2532203	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2104131	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	26170	0.116	ppbv	94
3) Chlorodifluoromethane	3.02	51	14047	0.099	ppbv	98
4) Chloromethane	3.17	50	7887	0.107	ppbv #	72
5) Vinyl Chloride	3.29	62	6666	0.093	ppbv	92
6) Bromomethane	3.51	94	4137	0.090	ppbv	93
7) Chloroethane	3.59	64	1462	0.056	ppbv #	67
8) Dichlorotetrafluoroethane	3.22	85	19264	0.102	ppbv	97
9) Propene	3.04	41	4835	0.089	ppbv #	69
10) Heptane	8.24	43	5585	0.041	ppbv #	58
11) Trichlorofluoromethane	4.00	101	23324	0.107	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.55	101	15313	0.104	ppbv	99
13) Ethanol	3.66	45	423	0.026	ppbv #	38
14) Bromoethene	3.79	108	2494	0.044	ppbv #	2
15) Acetone	3.92	43	19416	0.131	ppbv	100
16) 1,3-Butadiene	3.36	39	6186	0.099	ppbv	82
18) 1,1-Dichloroethene	4.35	96	5765	0.091	ppbv #	77
19) Isopropyl Alcohol	4.04	45	2756	0.030	ppbv #	94
20) Methylene Chloride	4.41	84	6185	0.110	ppbv #	77
21) Allyl Chloride	4.47	41	3663	0.041	ppbv #	18
22) trans-1,2-Dichloroethene	4.96	96	5409	0.086	ppbv	84
24) 1,1-Dichloroethane	5.08	63	14107	0.098	ppbv #	92
25) Ethyl Acetate	5.78	43	22555	0.093	ppbv	97
26) Hexane	5.77	57	3270	0.031	ppbv #	1
27) Carbon Disulfide	4.62	76	10640	0.075	ppbv #	42
28) Methyl tert-Butyl Ether	5.14	73	13129	0.076	ppbv	99
29) Chloroform	5.84	83	10853	0.058	ppbv	93
30) Cyclohexane	7.24	84	2332	0.027	ppbv #	1
31) cis-1,2-Dichloroethene	5.63	61	8300	0.081	ppbv #	72
32) 1,1,1-Trichloroethane	6.61	97	6384	0.033	ppbv #	1
34) 2-Butanone	5.35	43	13517	0.086	ppbv	93
35) Carbon Tetrachloride	7.13	117	16919	0.084	ppbv	84
36) Benzene	7.00	78	16117	0.073	ppbv	97
37) 1,2-Dichloroethane	6.41	62	12060	0.078	ppbv #	96
38) Trichloroethene	7.95	130	4116	0.051	ppbv #	85
39) 1,2-Dichloropropane	7.28	63	638057	7.752	ppbv #	22
40) 1,4-Dioxane	8.01	88	409	0.012	ppbv #	39
42) Bromodichloromethane	7.91	83	16667	0.084	ppbv #	88
43) Methyl Methacrylate	8.13	69	1529	0.018	ppbv #	1
44) 2,2,4-Trimethylpentane	7.97	57	5267	0.014	ppbv #	43
46) cis-1,3-Dichloropropene	8.82	75	1674	0.013	ppbv	94
47) 1,1,2-Trichloroethane	9.60	97	5748	0.061	ppbv #	67

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Instrument :
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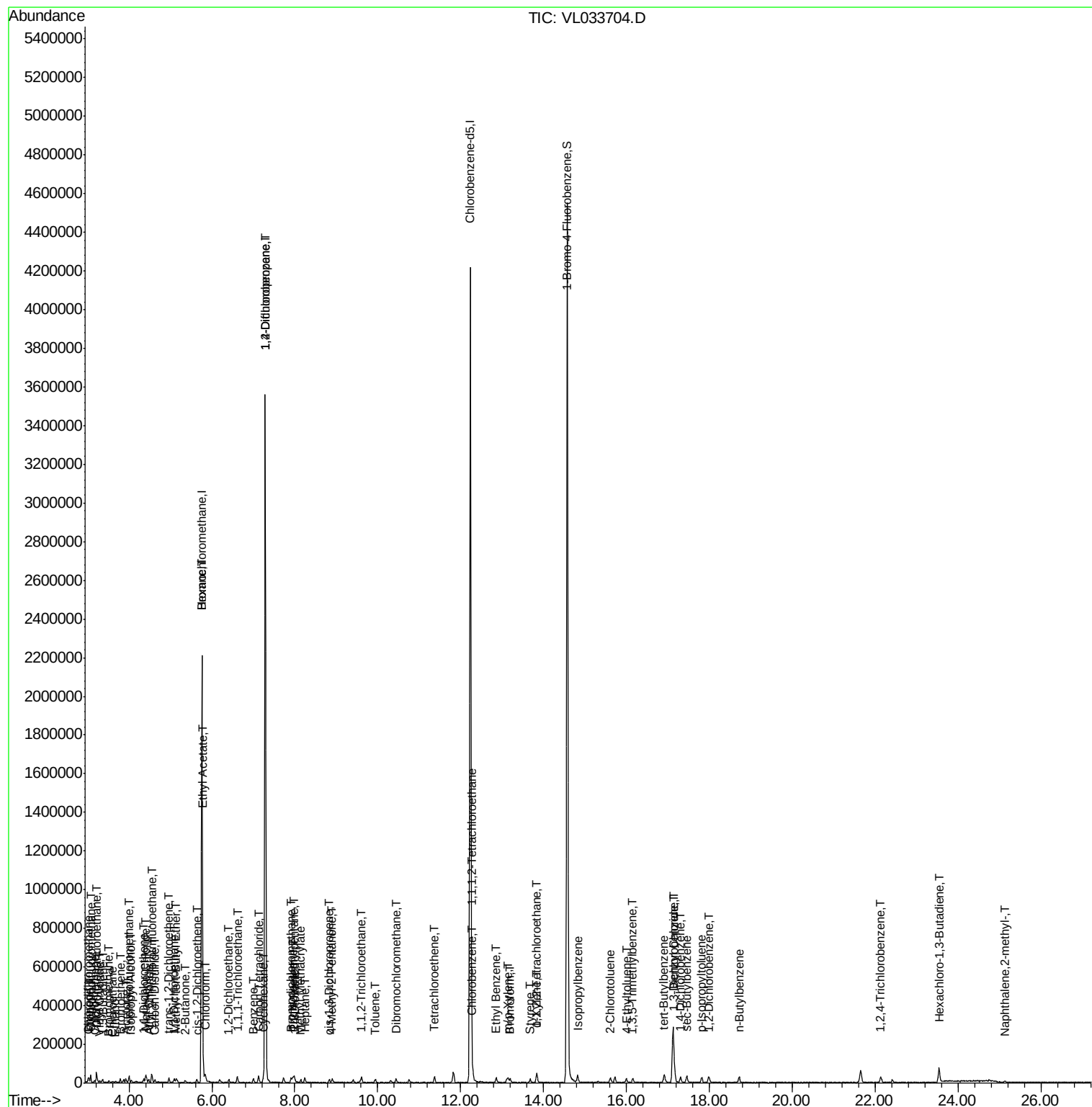
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
48) Dibromochloromethane	10.44	129	3439	0.021	ppbv	#	1
49) Bromoform	13.18	173	3344	0.024	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.90	43	14960	0.063	ppbv		91
52) Tetrachloroethene	11.36	164	5492	0.070	ppbv	#	66
53) Toluene	9.94	91	3491	0.015	ppbv	#	21
56) 1,1,1,2-Tetrachloroethane	12.27	131	3791	0.032	ppbv	#	1
57) Chlorobenzene	12.29	112	3986	0.019	ppbv	#	26
58) Ethyl Benzene	12.85	91	8969	0.027	ppbv		98
59) m/p-Xylene	13.14	91	5818	0.020	ppbv	#	31
60) o-Xylene	13.85	91	7936	0.027	ppbv	#	49
61) Styrene	13.68	104	6311	0.032	ppbv	#	78
62) Isopropylbenzene	14.82	105	12408	0.031	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.83	83	13602	0.063	ppbv	#	57
65) tert-Butylbenzene	16.90	119	9584	0.026	ppbv	#	21
66) Benzyl Chloride	17.14	91	4068	0.024	ppbv	#	66
67) sec-Butylbenzene	17.45	105	13572	0.026	ppbv	#	66
69) p-Isopropyltoluene	17.81	119	10970	0.026	ppbv	#	48
70) n-Butylbenzene	18.71	91	11010	0.024	ppbv	#	33
71) 2-Chlorotoluene	15.61	91	8770	0.029	ppbv		80
72) 4-Ethyltoluene	16.00	105	9660	0.028	ppbv	#	56
73) 1,3,5-Trimethylbenzene	16.15	105	10406	0.031	ppbv	#	68
75) 1,3-Dichlorobenzene	17.16	146	17252	0.076	ppbv		75
76) 1,4-Dichlorobenzene	17.30	146	9222	0.043	ppbv	#	46
77) 1,2-Dichlorobenzene	17.98	146	4846	0.023	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.53	225	8830	0.053	ppbv	#	14
80) Naphthalene,2-methyl-	25.11	142	3823	0.029	ppbv		95
81) 1,2,4-Trichlorobenzene	22.13	180	7025	0.035	ppbv	#	29

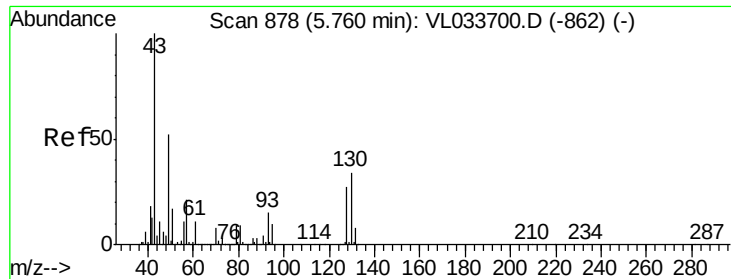
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

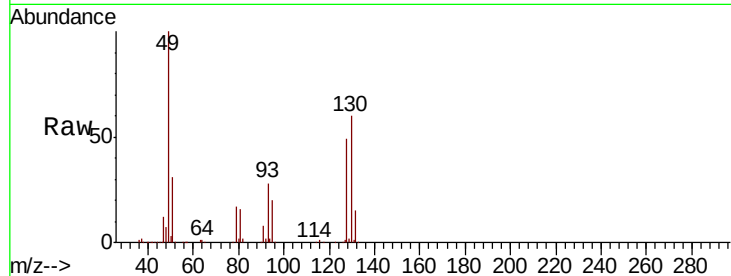
Tgt Ion: 49 Resp: 990979

Ion Ratio Lower Upper

49 100

128 50.3 25.2 75.6

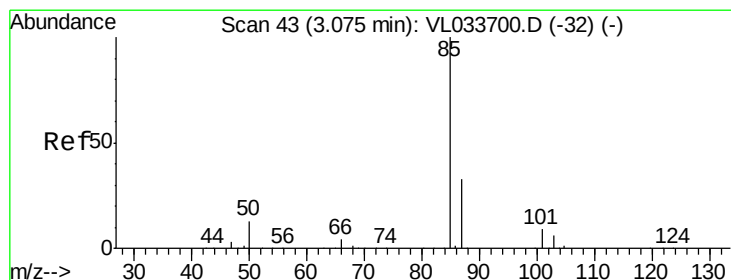
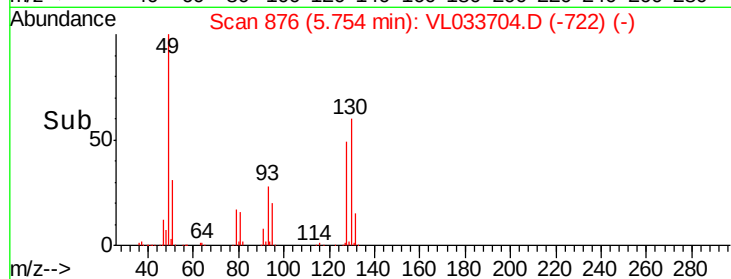
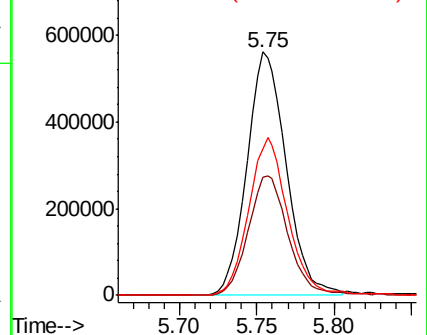
130 65.2 32.5 97.5



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: 0.116 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033704.D

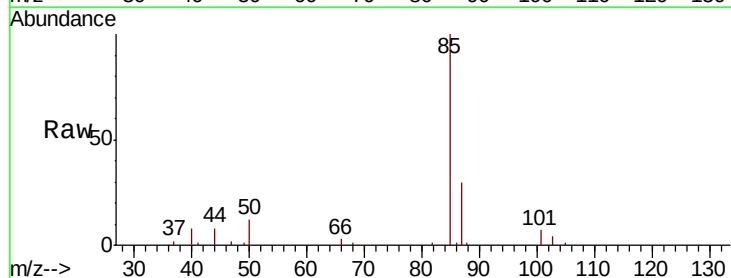
Acq: 17 May 2019 4:34

Tgt Ion: 85 Resp: 26170

Ion Ratio Lower Upper

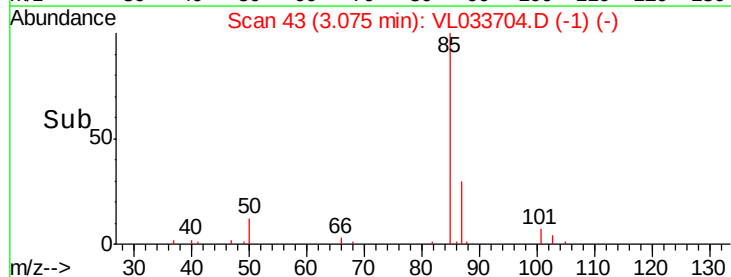
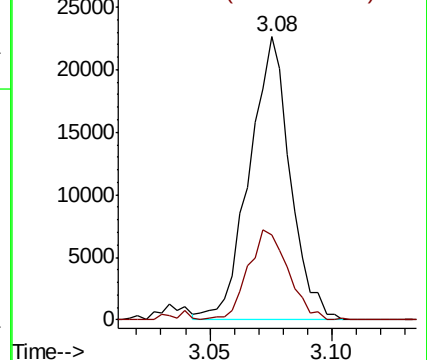
85 100

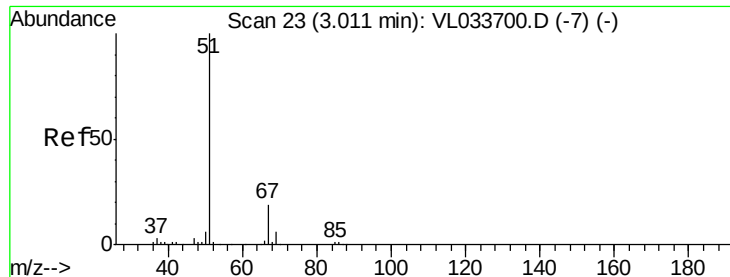
87 29.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

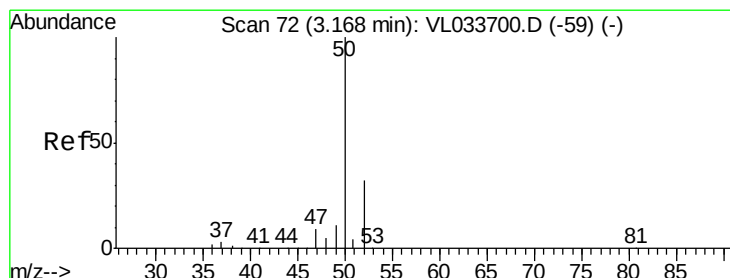
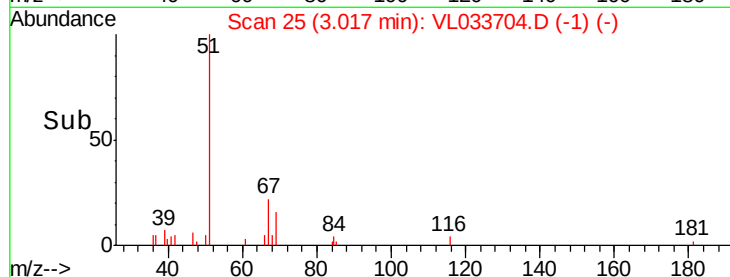
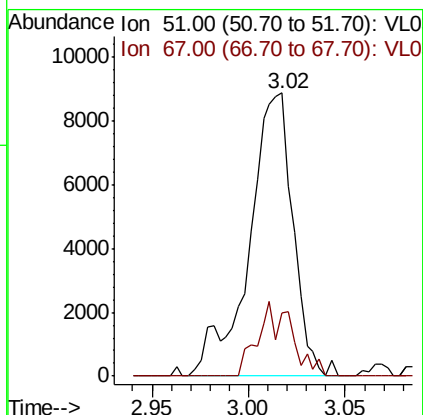
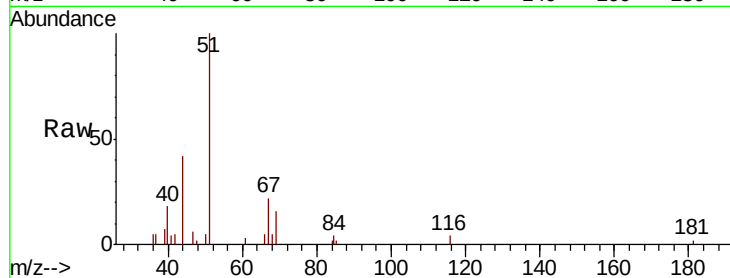




#3
Chlorodifluoromethane
Concen: 0.099 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

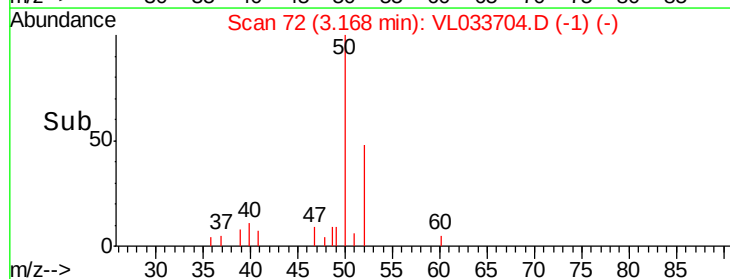
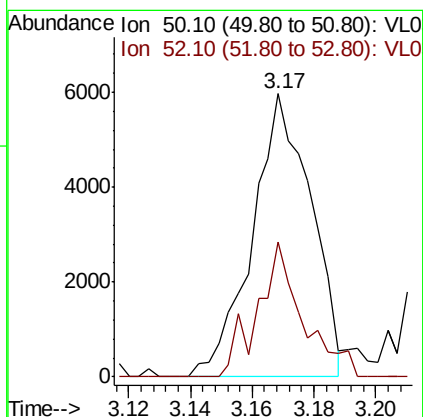
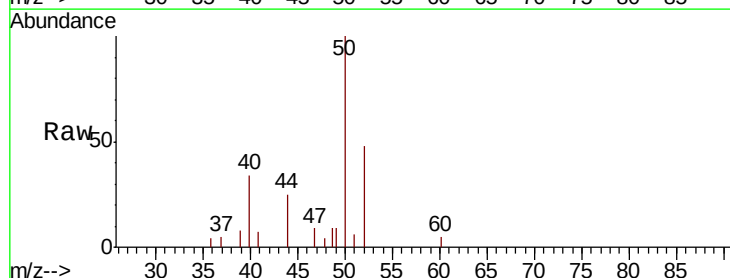
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

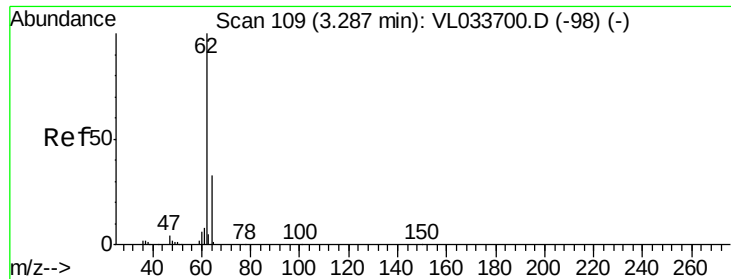
Tgt Ion: 51 Resp: 14047
Ion Ratio Lower Upper
51 100
67 20.4 15.6 23.4



#4
Chloromethane
Concen: 0.107 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion: 50 Resp: 7887
Ion Ratio Lower Upper
50 100
52 47.6 25.7 38.5#





#5

Vinyl Chloride

Concen: 0.093 ppbv

RT: 3.29 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

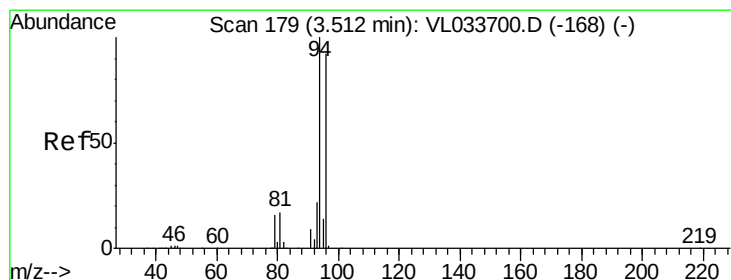
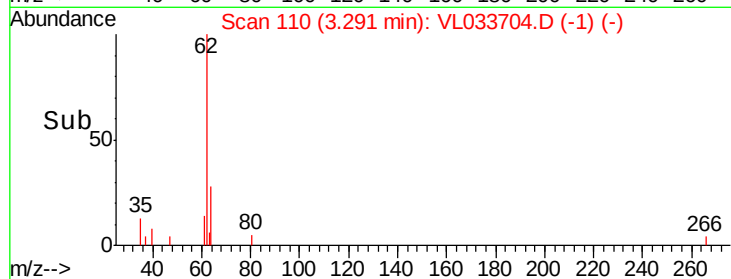
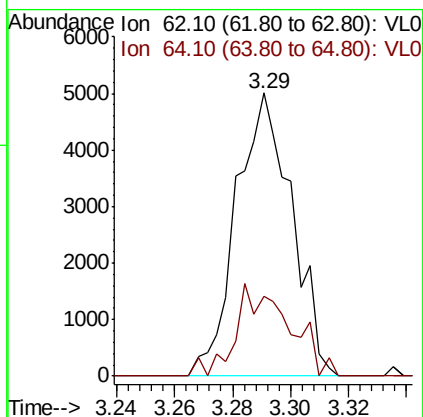
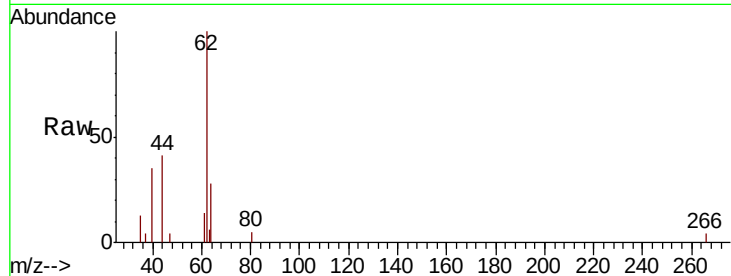
VSTDIC0.1

Tgt Ion: 62 Resp: 6666

Ion Ratio Lower Upper

62 100

64 28.3 26.4 39.6



#6

Bromomethane

Concen: 0.090 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033704.D

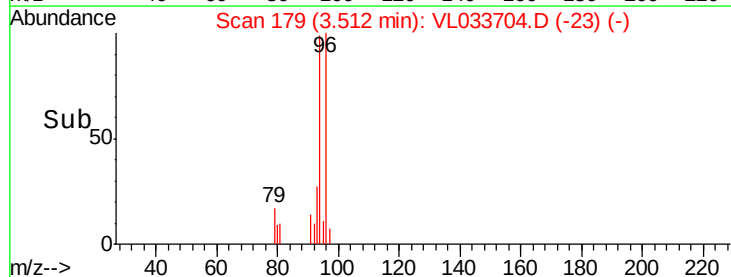
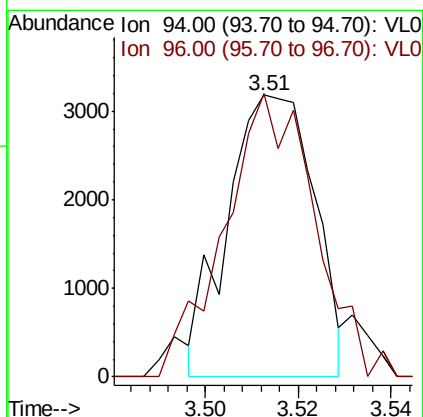
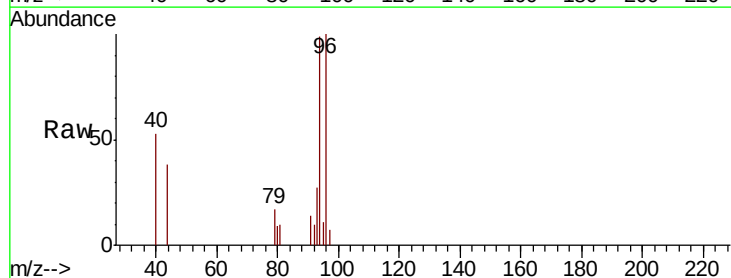
Acq: 17 May 2019 4:34

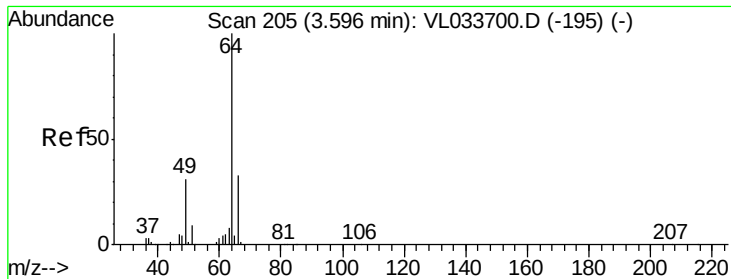
Tgt Ion: 94 Resp: 4137

Ion Ratio Lower Upper

94 100

96 85.7 73.6 110.4





#7

Chloroethane

Concen: 0.056 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

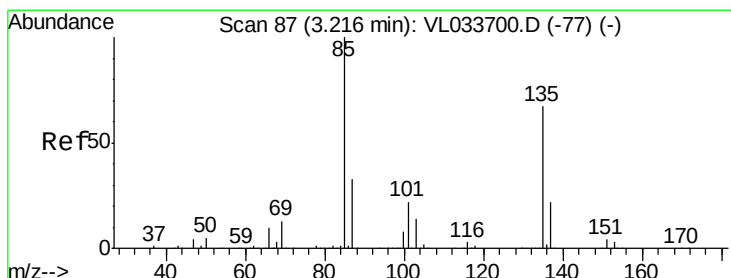
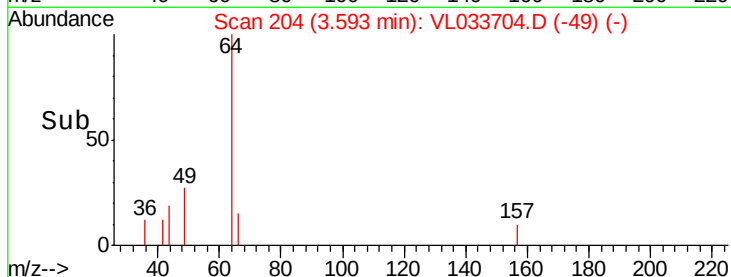
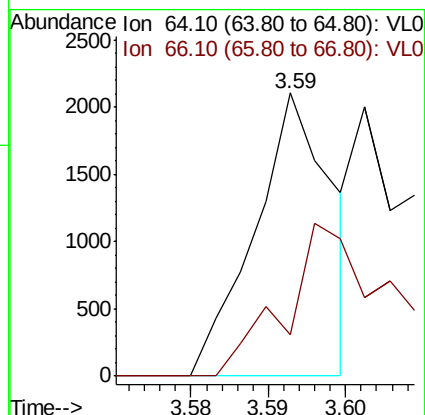
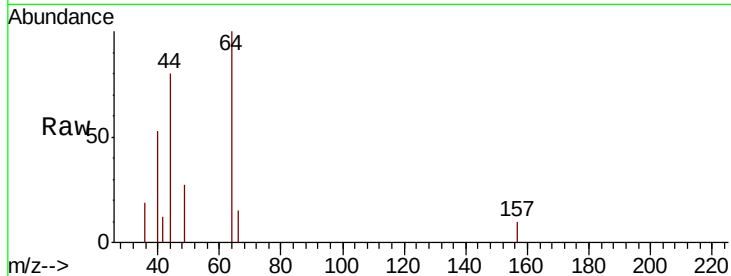
VSTDIC0.1

Tgt Ion: 64 Resp: 1462

Ion Ratio Lower Upper

64 100

66 14.6 26.6 40.0#



#8

Dichlorotetrafluoroethane

Concen: 0.102 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033704.D

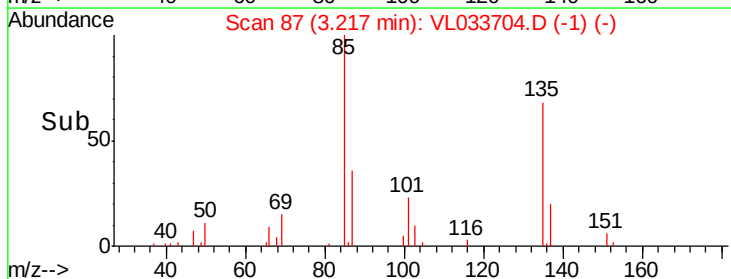
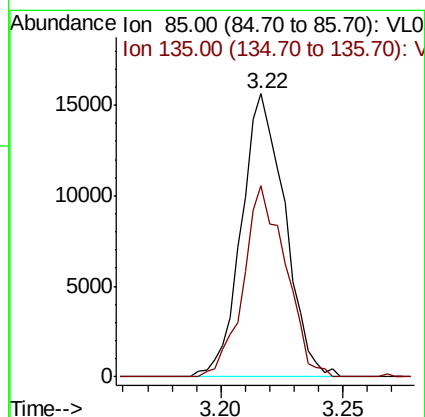
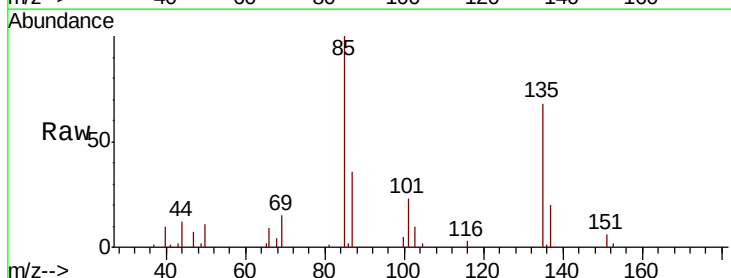
Acq: 17 May 2019 4:34

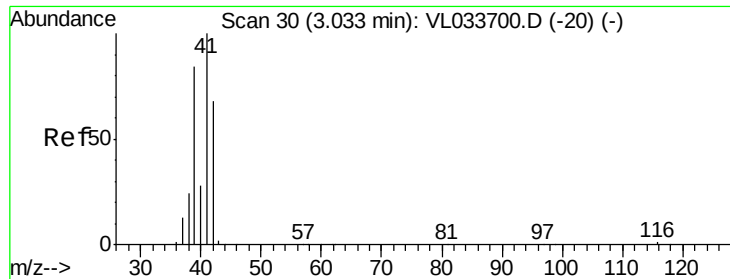
Tgt Ion: 85 Resp: 19264

Ion Ratio Lower Upper

85 100

135 65.8 54.5 81.7





#9

Propene

Concen: 0.089 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

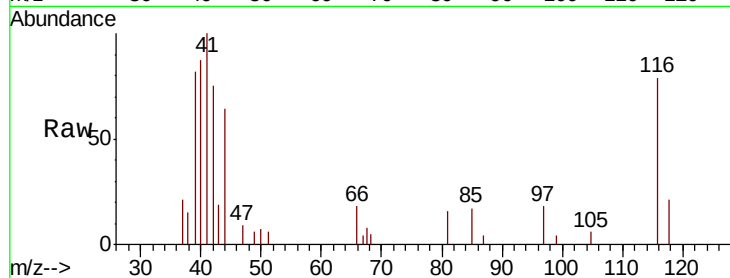
VSTDIC0.1

Tgt Ion: 41 Resp: 4835

Ion Ratio Lower Upper

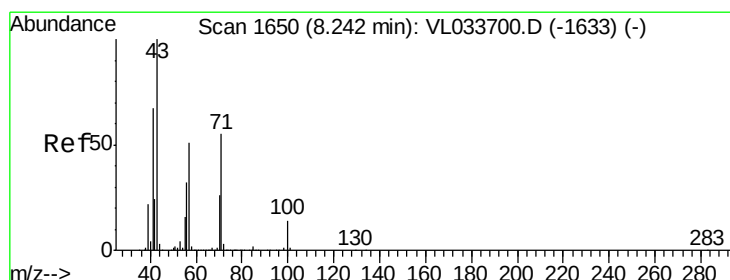
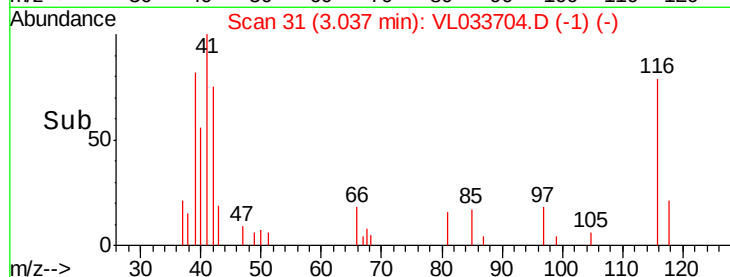
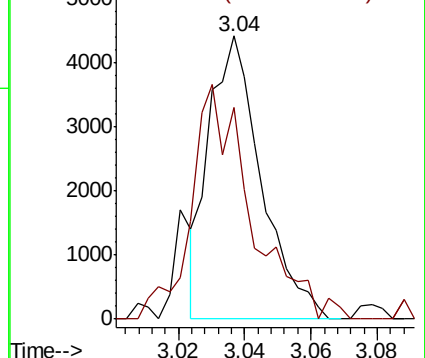
41 100

42 95.3 56.1 84.1#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.041 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033704.D

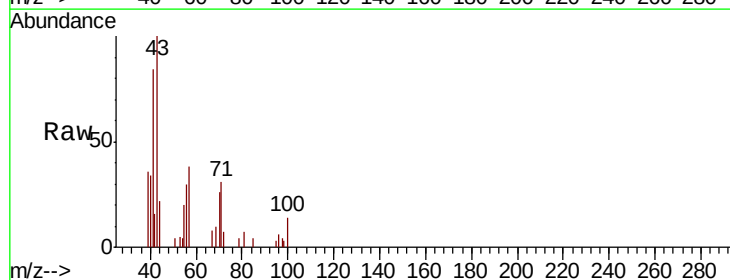
Acq: 17 May 2019 4:34

Tgt Ion: 43 Resp: 5585

Ion Ratio Lower Upper

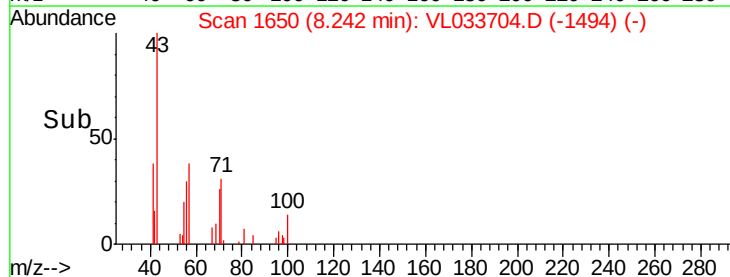
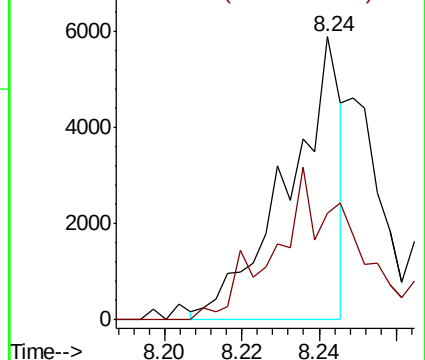
43 100

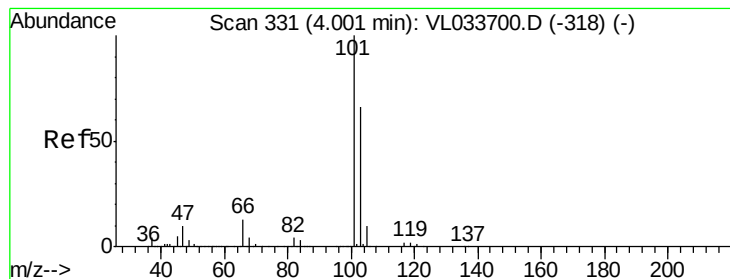
57 80.9 41.4 62.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.107 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

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ClientSampleId :

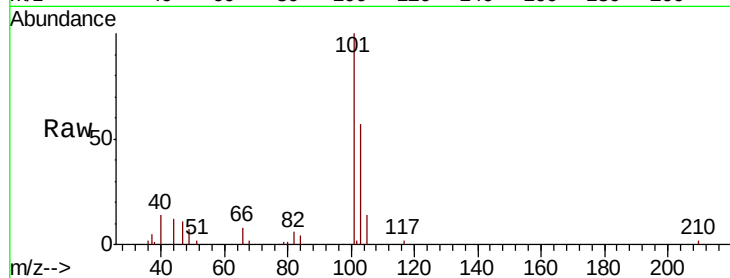
VSTDIC0.1

Tgt Ion:101 Resp: 23324

Ion Ratio Lower Upper

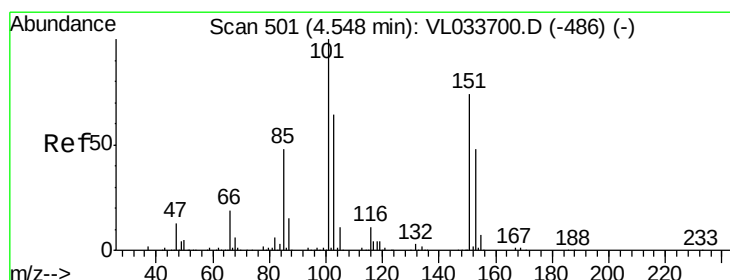
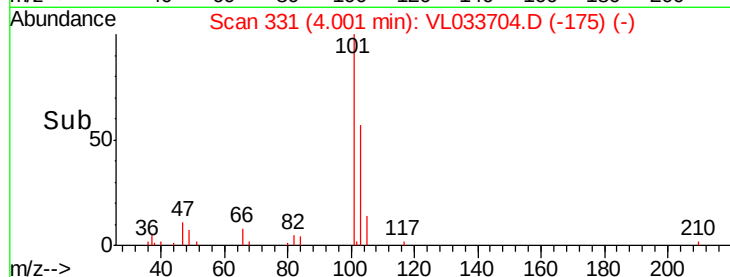
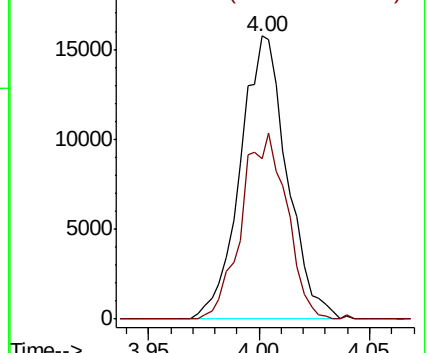
101 100

103 56.0 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.104 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033704.D

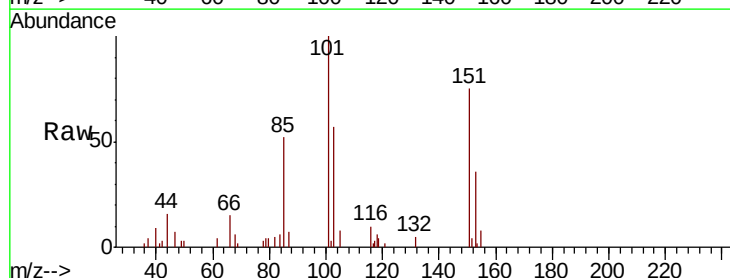
Acq: 17 May 2019 4:34

Tgt Ion:101 Resp: 15313

Ion Ratio Lower Upper

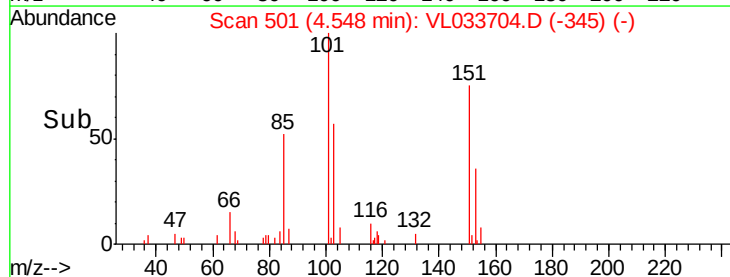
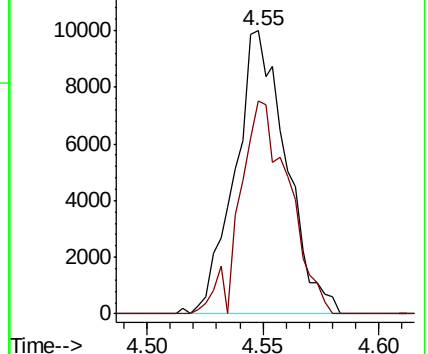
101 100

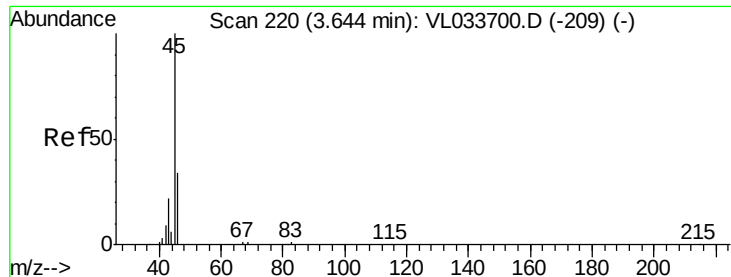
151 71.8 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

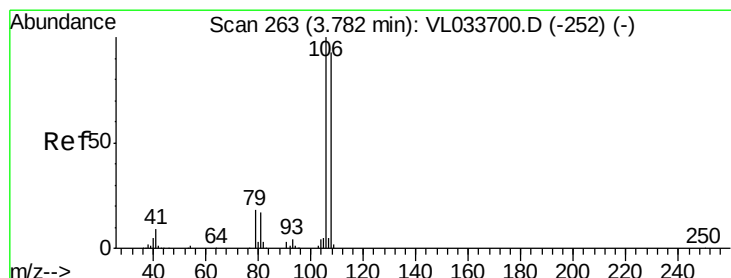
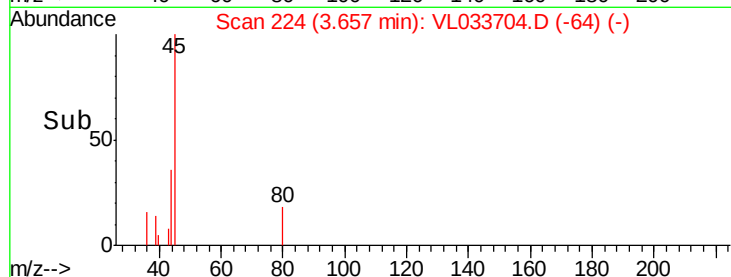
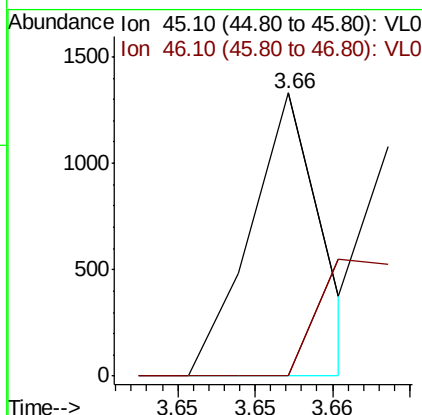
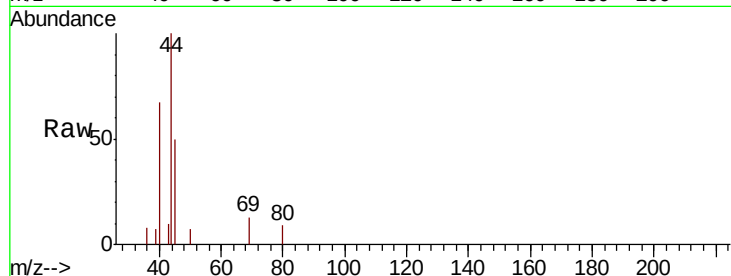




#13
Ethanol
Concen: 0.026 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

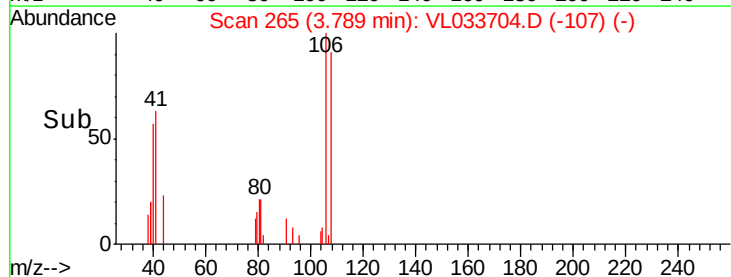
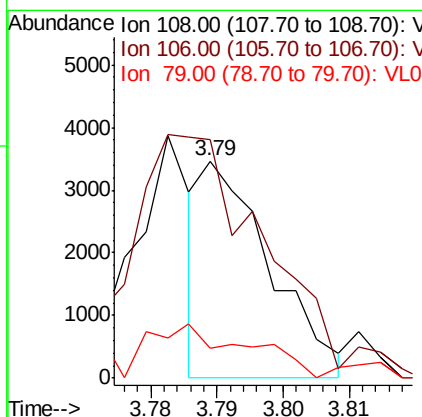
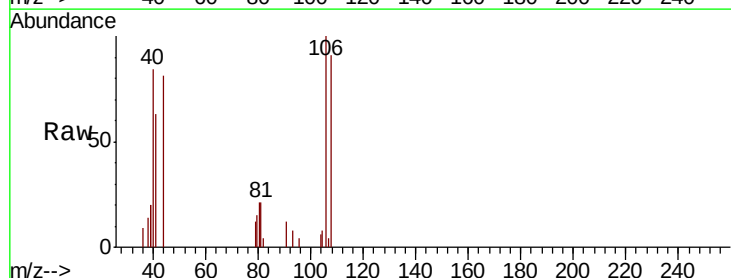
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

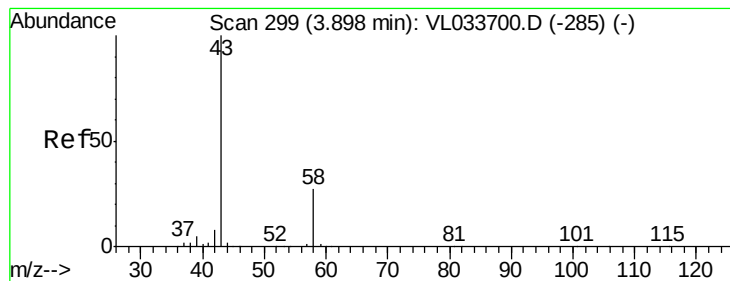
Tgt Ion: 45 Resp: 423
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.0#



#14
Bromoethene
Concen: 0.044 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion: 108 Resp: 2494
Ion Ratio Lower Upper
108 100
106 0.0 86.5 129.7#
79 49.4 15.1 22.7#





#15

Acetone

Concen: 0.131 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

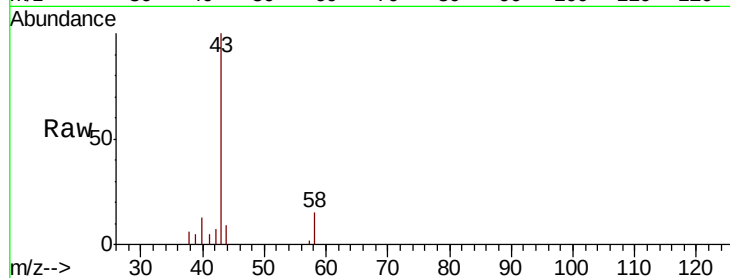
VSTDIC0.1

Tgt Ion: 43 Resp: 19416

Ion Ratio Lower Upper

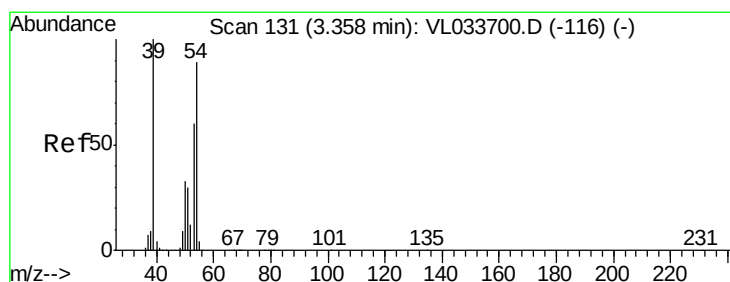
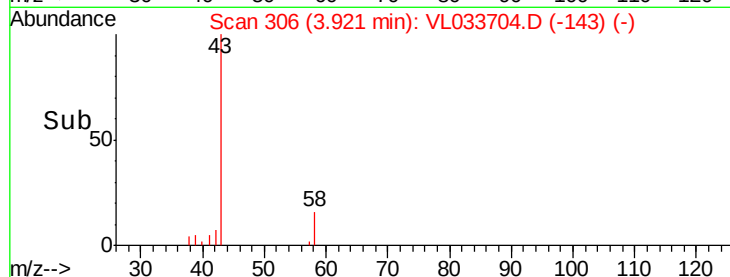
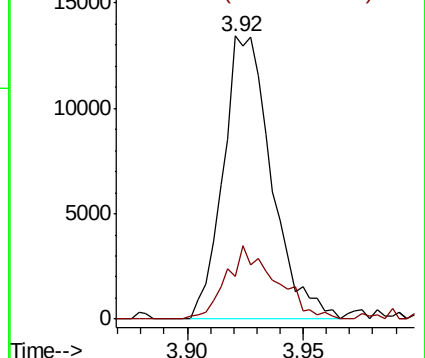
43 100

58 26.5 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.099 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL033704.D

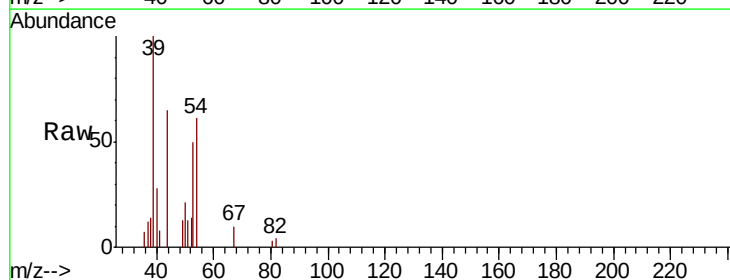
Acq: 17 May 2019 4:34

Tgt Ion: 39 Resp: 6186

Ion Ratio Lower Upper

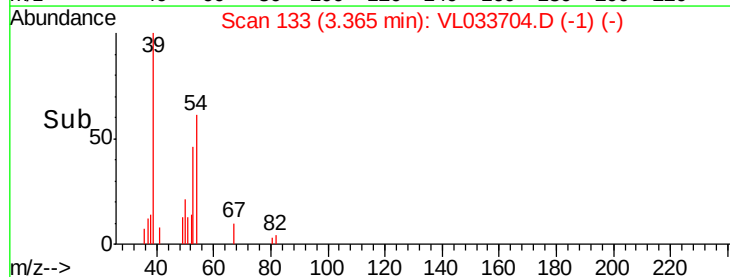
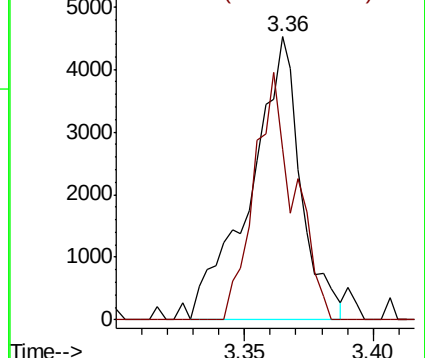
39 100

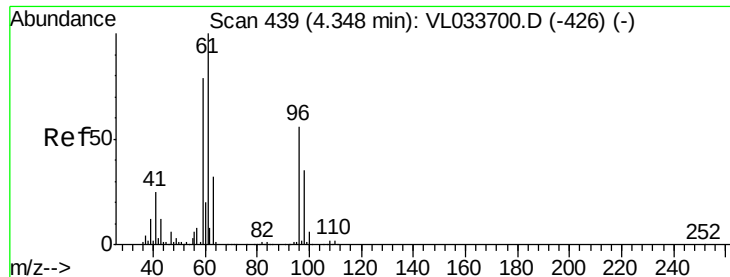
54 69.5 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

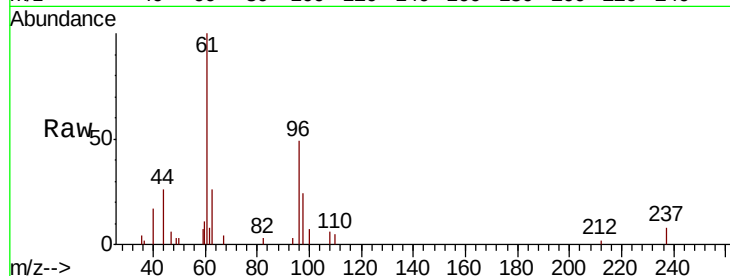




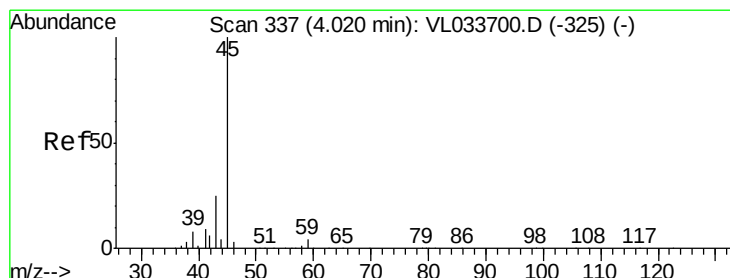
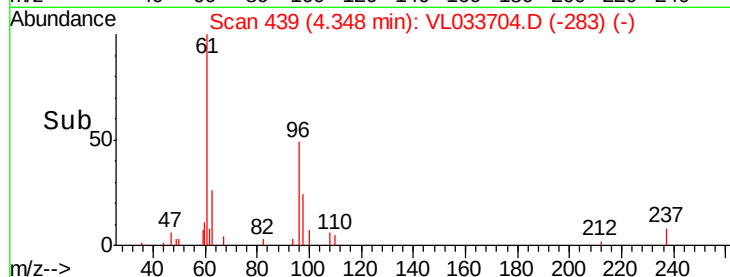
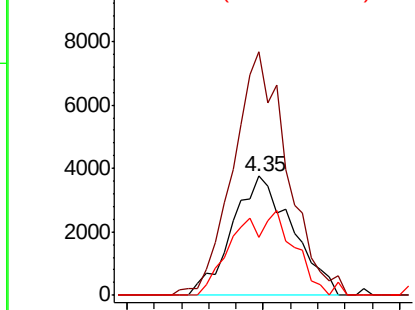
#18
 1,1-Dichloroethene
 Concen: 0.091 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 96 Resp: 5765
 Ion Ratio Lower Upper
 96 100
 61 215.2 143.1 214.7#
 98 49.0 49.5 74.3#

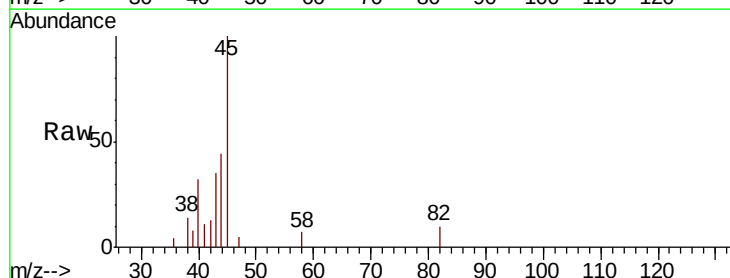


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

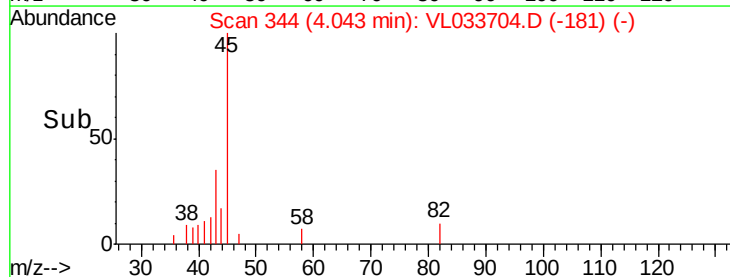
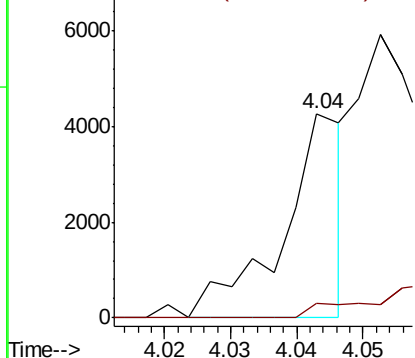


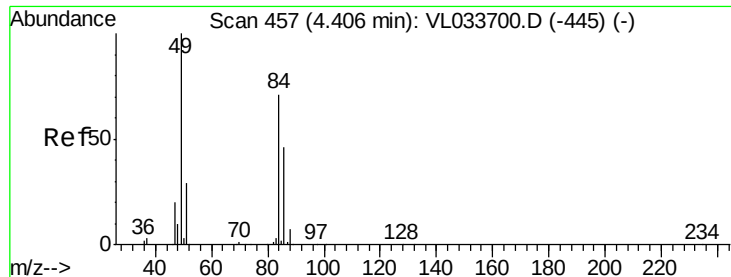
#19
 Isopropyl Alcohol
 Concen: 0.030 ppbv
 RT: 4.04 min Scan# 344
 Delta R.T. 0.02 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

Tgt Ion: 45 Resp: 2756
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.6 2.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0

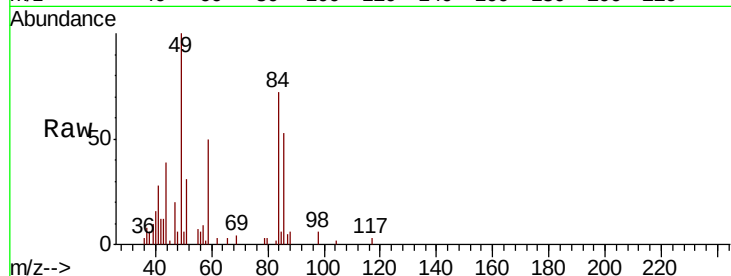




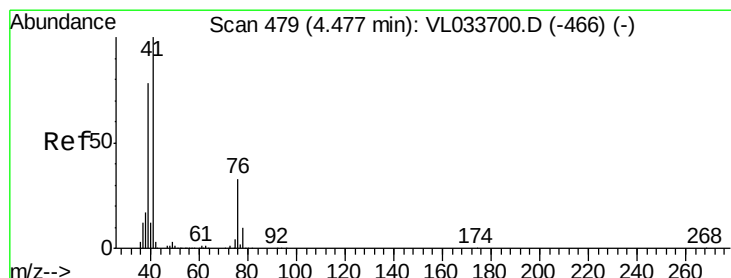
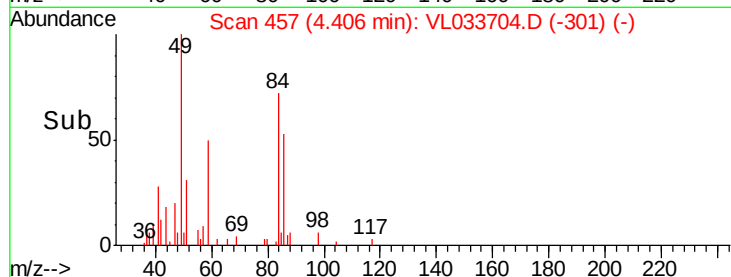
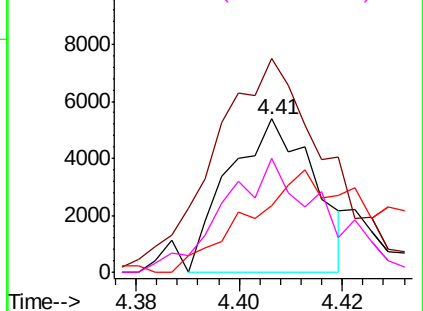
#20
Methylene Chloride
Concen: 0.110 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 84 Resp: 6185
Ion Ratio Lower Upper
84 100
49 97.8 112.8 169.2#
51 32.8 33.4 50.0#
86 63.9 51.7 77.5

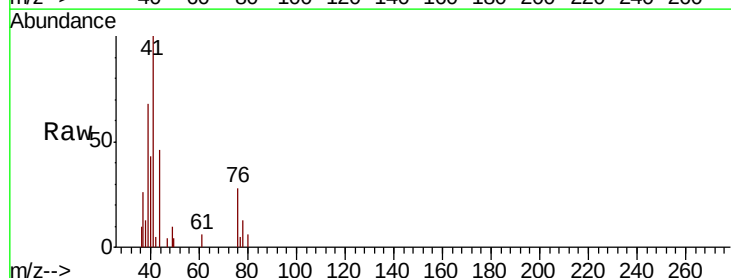


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

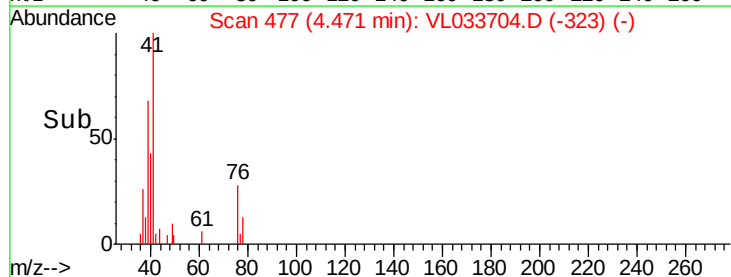
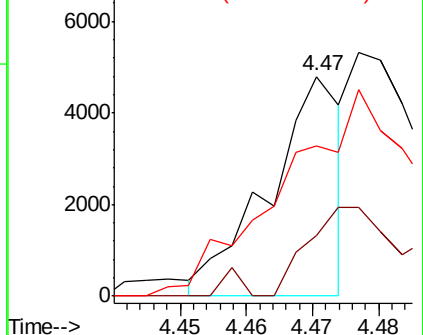


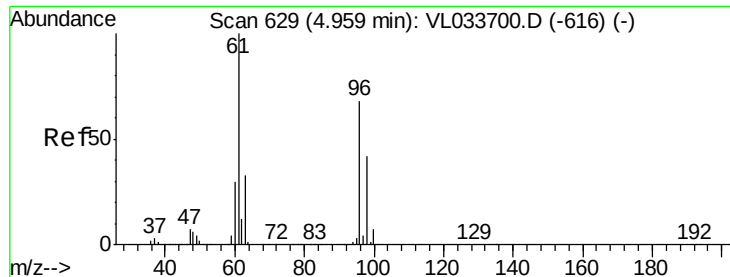
#21
Allyl Chloride
Concen: 0.041 ppbv
RT: 4.47 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion: 41 Resp: 3663
Ion Ratio Lower Upper
41 100
76 0.0 25.9 38.9#
39 0.0 64.6 97.0#



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: 0.086 ppbv

RT: 4.96 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

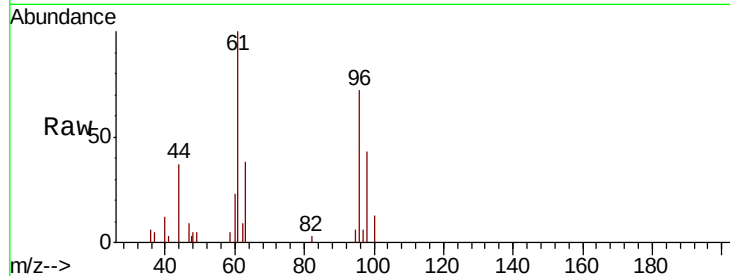
Tgt Ion: 96 Resp: 5409

Ion Ratio Lower Upper

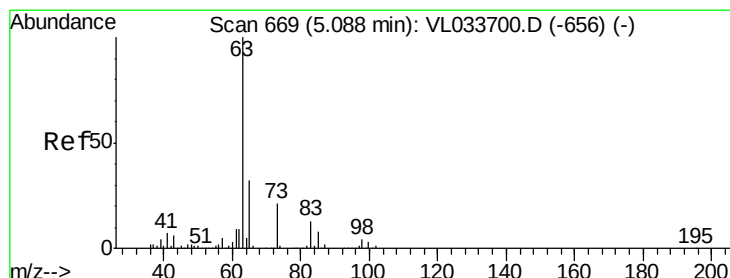
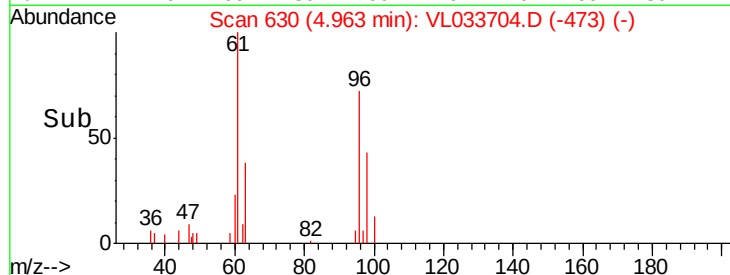
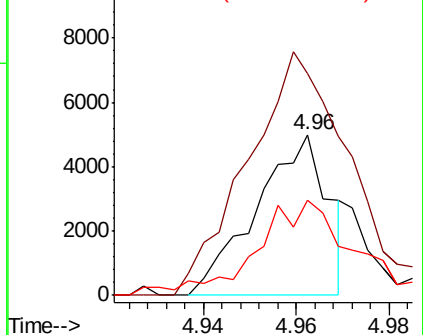
96 100

61 124.7 116.8 175.2

98 50.5 49.4 74.0



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



#24

1,1-Dichloroethane

Concen: 0.098 ppbv

RT: 5.08 min Scan# 668

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

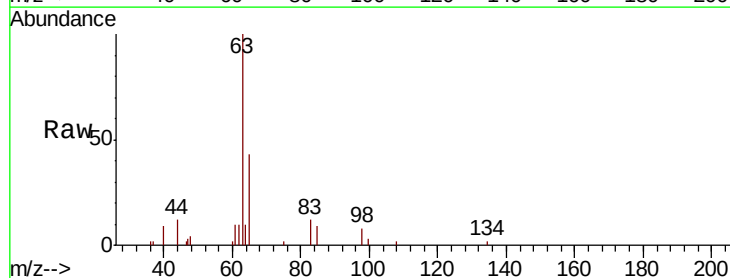
Tgt Ion: 63 Resp: 14107

Ion Ratio Lower Upper

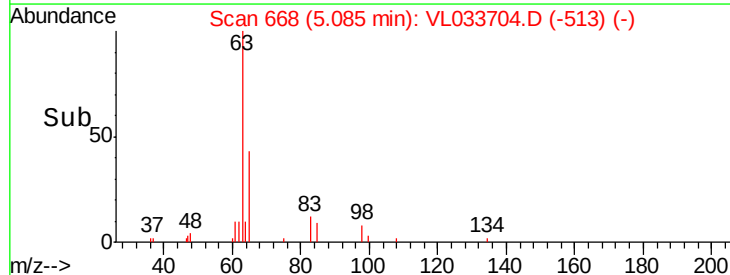
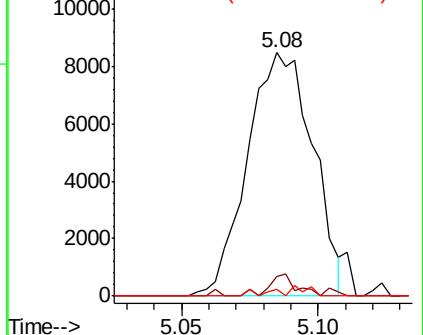
63 100

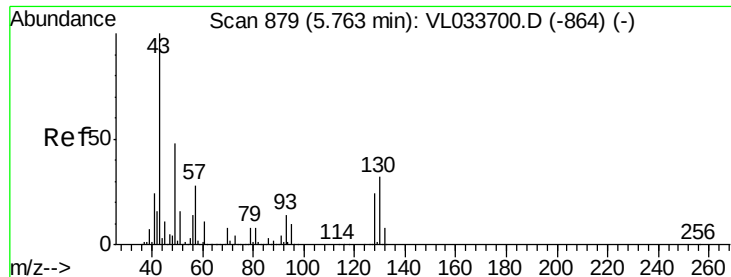
98 8.2 1.8 5.5#

100 3.0 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

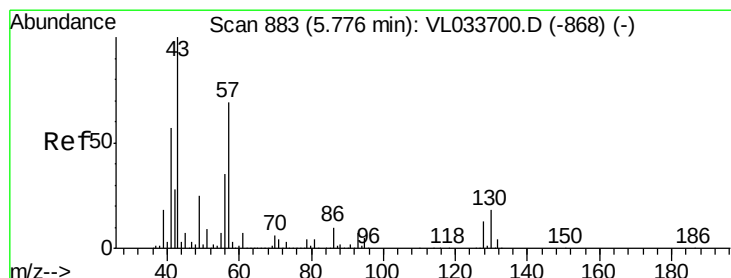
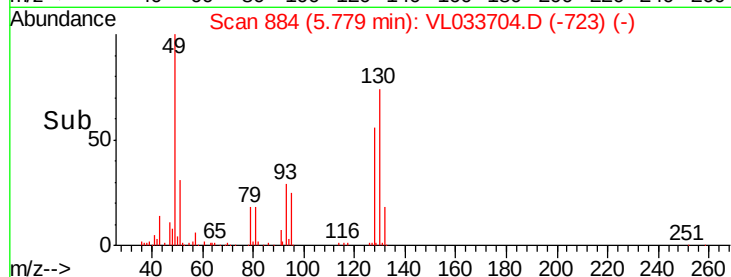
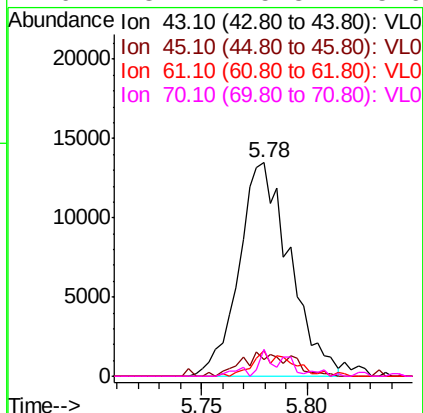
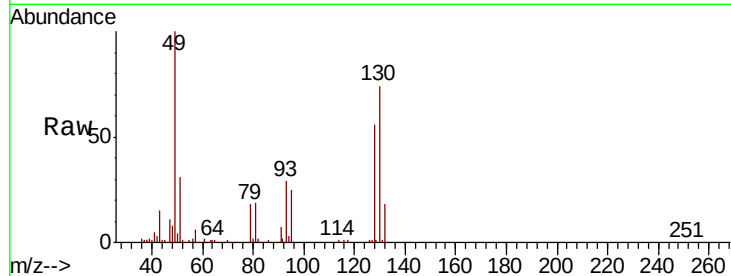




#25
Ethyl Acetate
Concen: 0.093 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.02 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

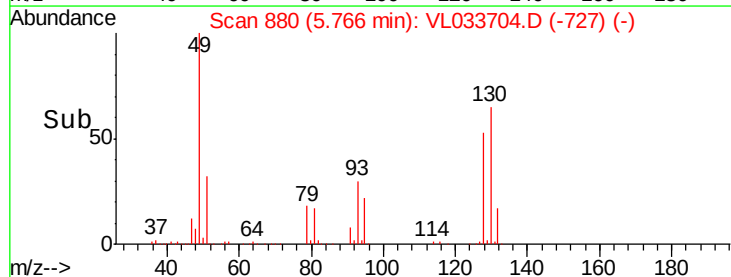
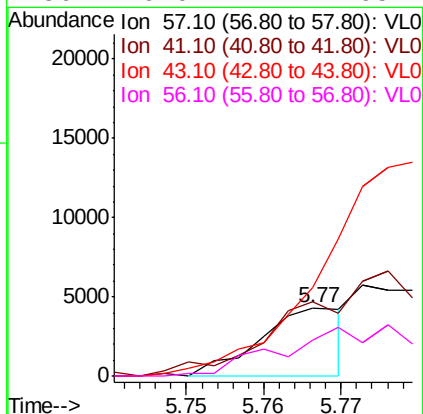
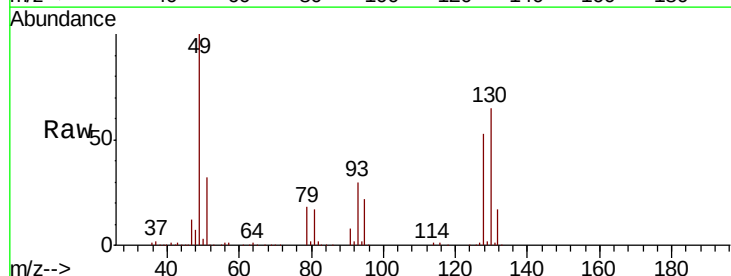
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

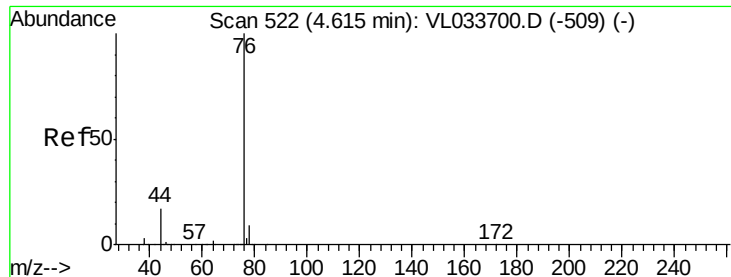
Tgt Ion:	43	Resp:	22555
Ion	Ratio	Lower	Upper
43	100		
45	11.7	7.9	11.9
61	9.1	7.7	11.5
70	8.2	5.8	8.6



#26
Hexane
Concen: 0.031 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion:	57	Resp:	3270
Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.8	104.6#
43	0.0	181.8	272.6#
56	0.0	42.1	63.1#





#27

Carbon Disulfide

Concen: 0.075 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

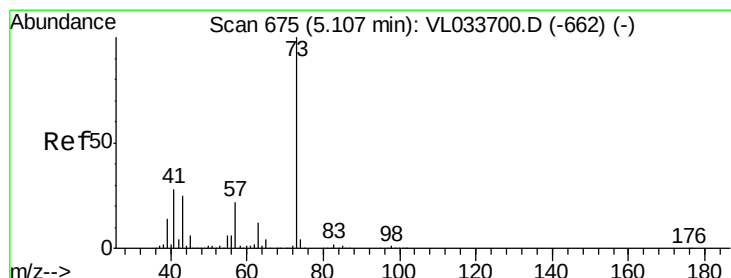
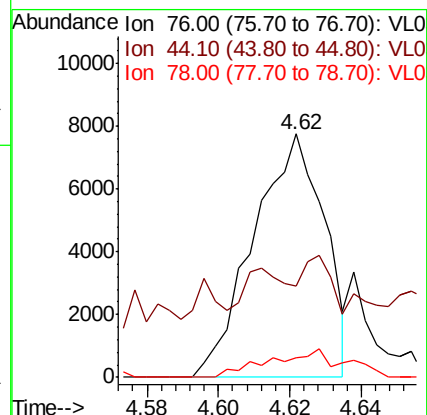
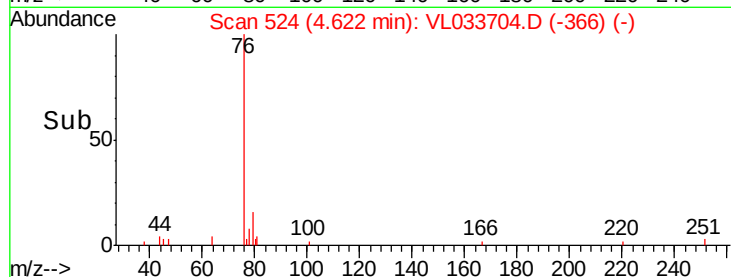
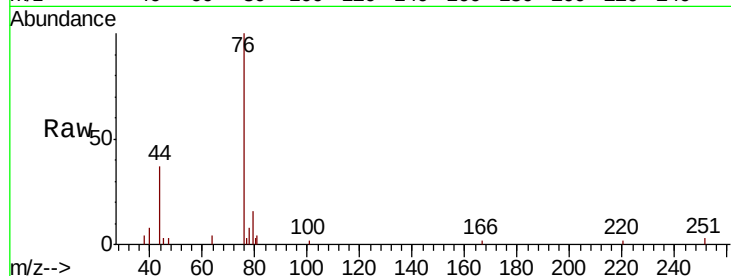
Tgt Ion: 76 Resp: 10640

Ion Ratio Lower Upper

76 100

44 54.3 13.8 20.8#

78 12.2 7.4 11.0#



#28

Methyl tert-Butyl Ether

Concen: 0.076 ppbv

RT: 5.14 min Scan# 684

Delta R.T. 0.03 min

Lab File: VL033704.D

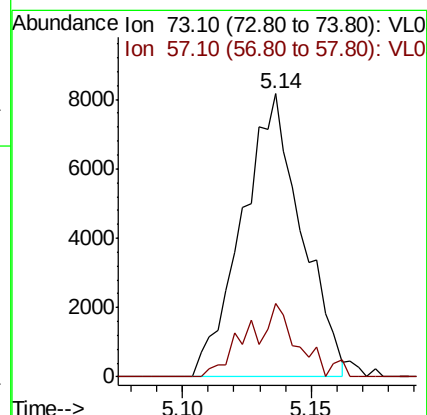
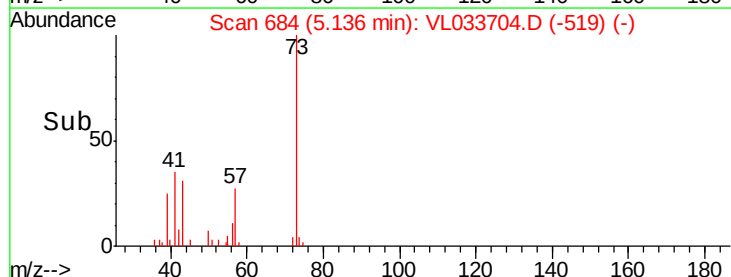
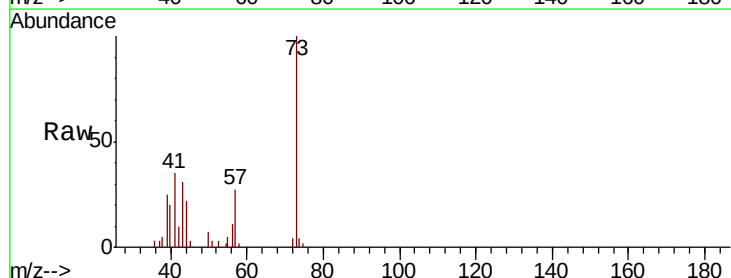
Acq: 17 May 2019 4:34

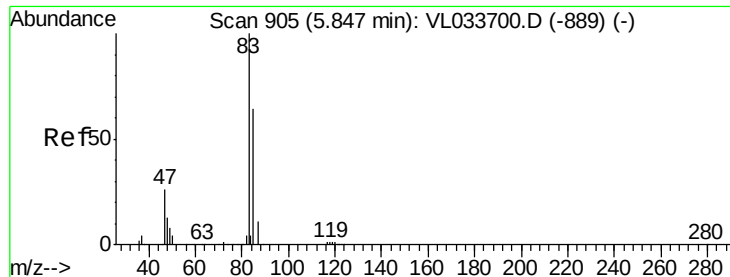
Tgt Ion: 73 Resp: 13129

Ion Ratio Lower Upper

73 100

57 22.3 17.4 26.2

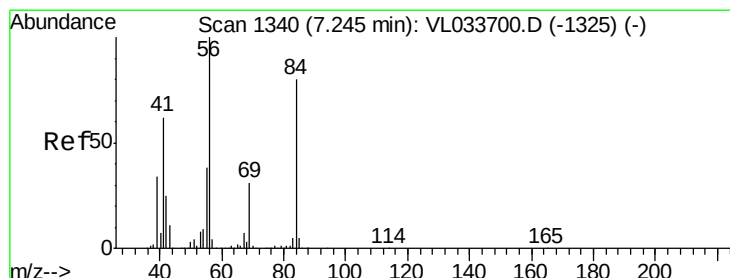
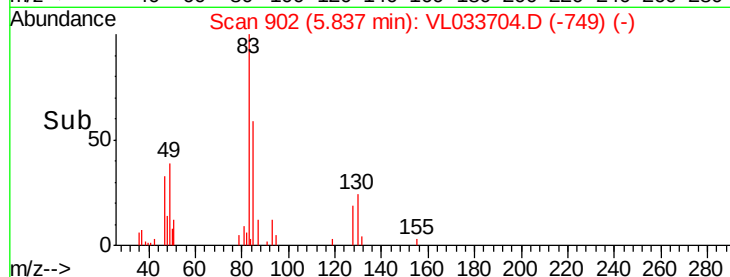
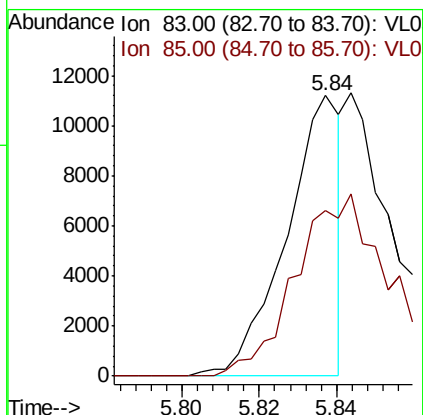
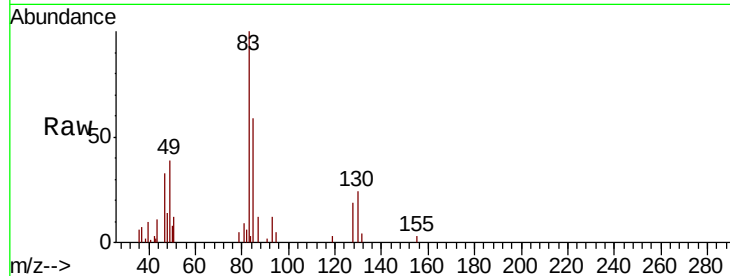




#29
Chloroform
Concen: 0.058 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

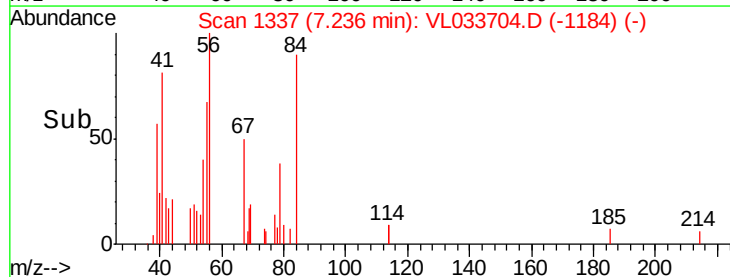
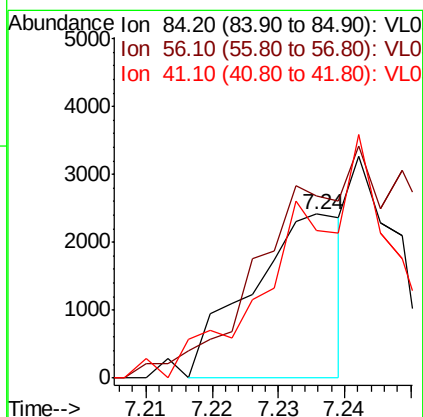
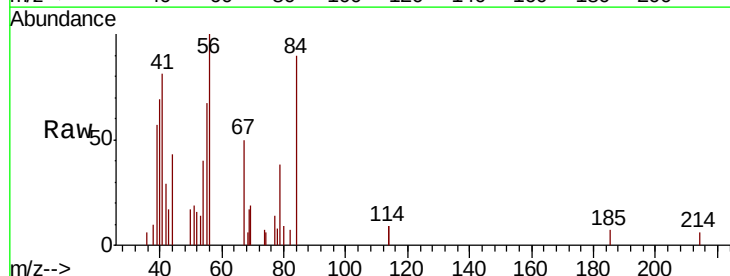
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

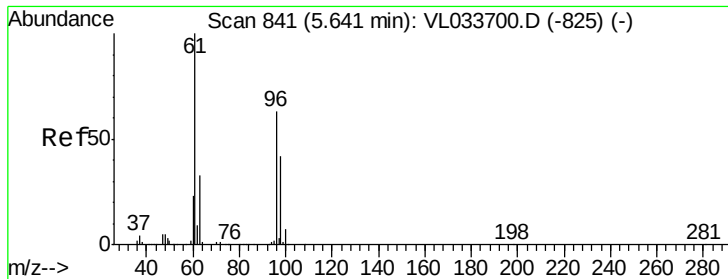
Tgt Ion: 83 Resp: 10853
Ion Ratio Lower Upper
83 100
85 58.9 51.5 77.3



#30
Cyclohexane
Concen: 0.027 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion: 84 Resp: 2332
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 66.0 99.0#





#31

cis-1,2-Dichloroethene

Concen: 0.081 ppbv

RT: 5.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

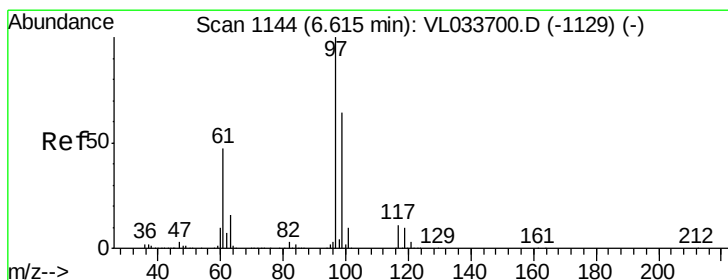
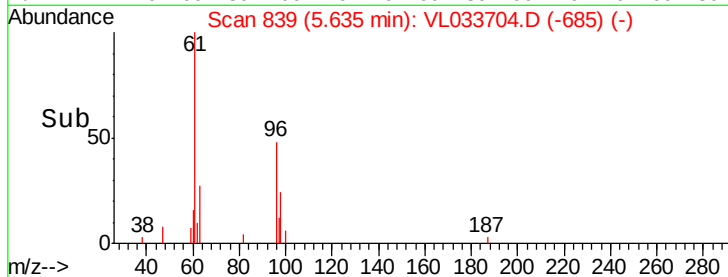
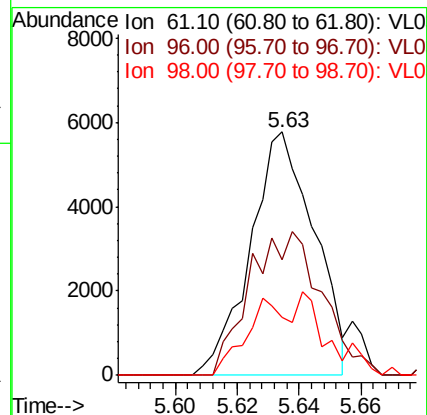
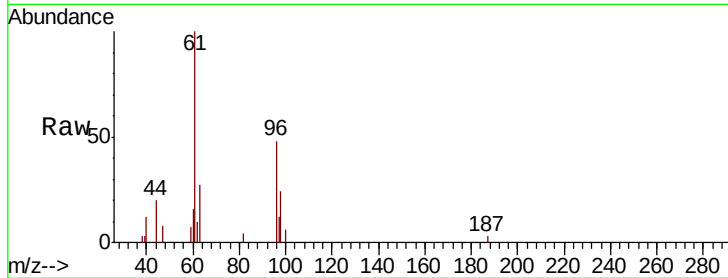
Tgt Ion: 61 Resp: 8300

Ion Ratio Lower Upper

61 100

96 43.6 50.8 76.2#

98 21.7 33.3 49.9#



#32

1,1,1-Trichloroethane

Concen: 0.033 ppbv

RT: 6.61 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

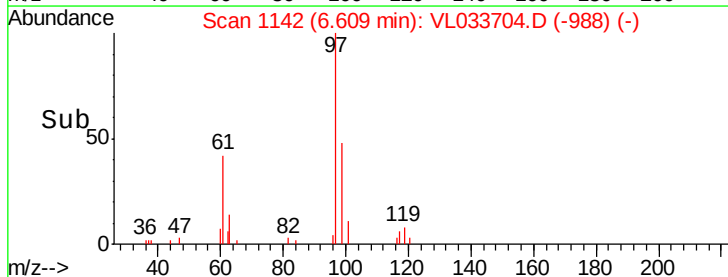
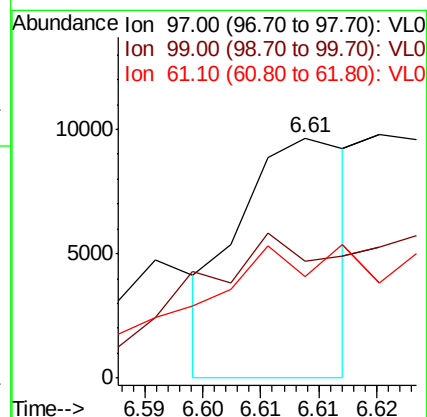
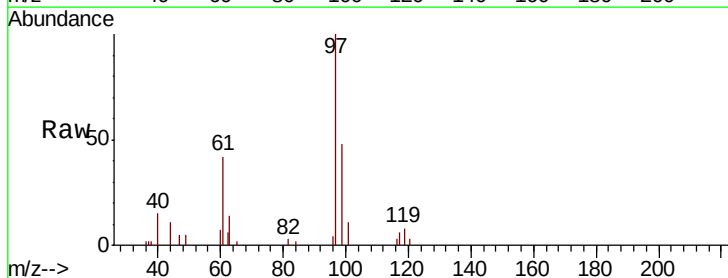
Tgt Ion: 97 Resp: 6384

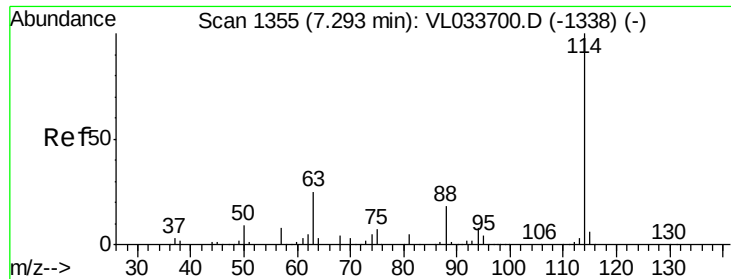
Ion Ratio Lower Upper

97 100

99 182.0 51.5 77.3#

61 161.3 37.8 56.8#

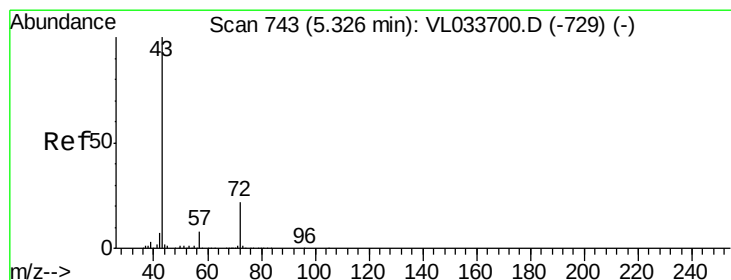
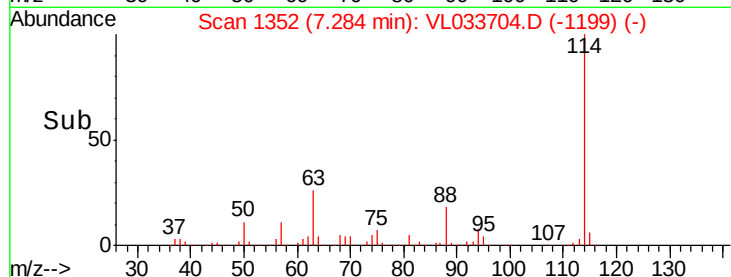
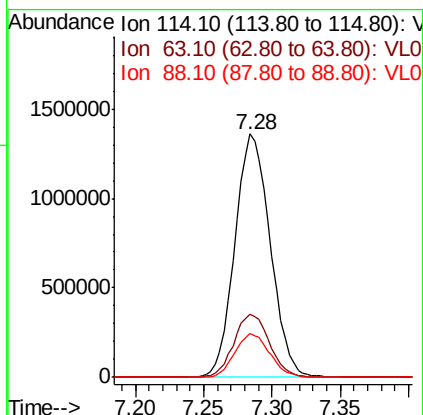
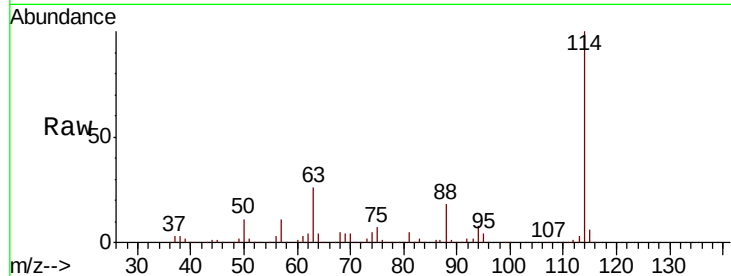




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

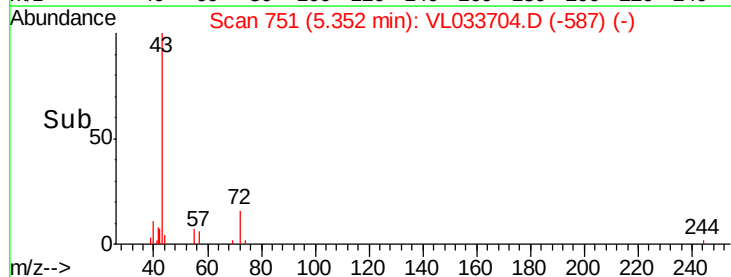
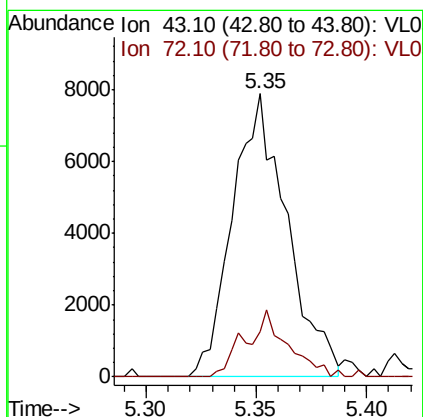
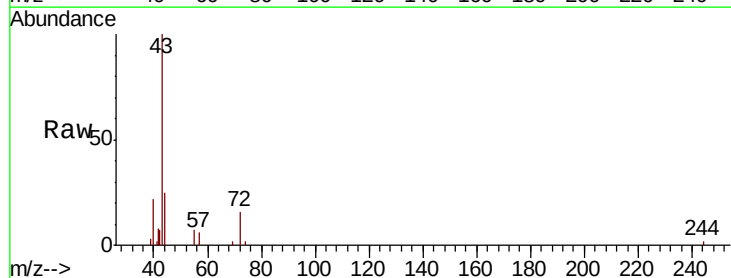
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

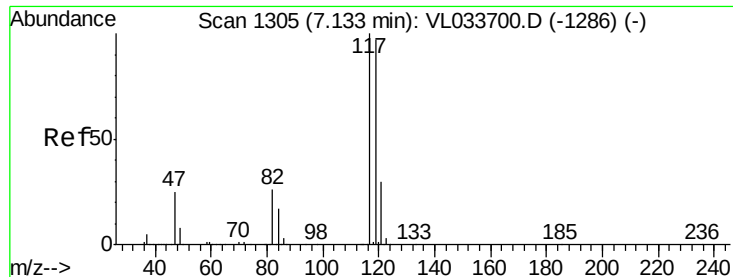
Tgt Ion:114 Resp: 2444165
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.9 31.3
 88 17.8 14.3 21.5



#34
 2-Butanone
 Concen: 0.086 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.03 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

Tgt Ion: 43 Resp: 13517
 Ion Ratio Lower Upper
 43 100
 72 18.7 17.8 26.6





#35

Carbon Tetrachloride

Concen: 0.084 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

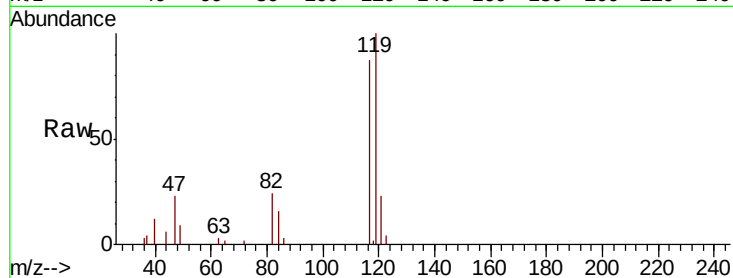
Tgt Ion: 117 Resp: 16919

Ion Ratio Lower Upper

117 100

119 115.2 77.2 115.8

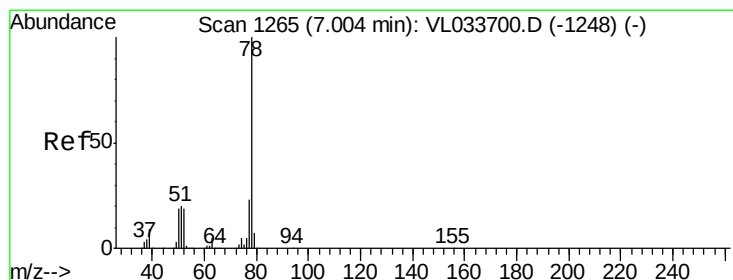
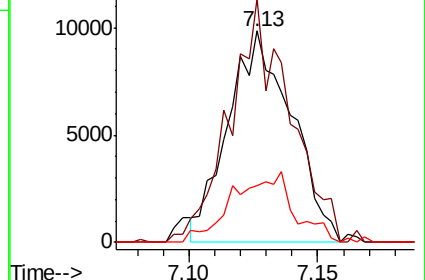
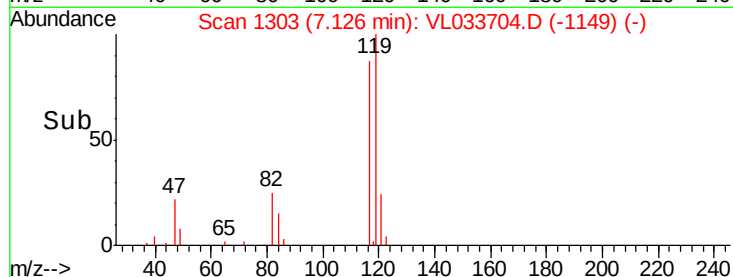
121 26.8 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.073 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

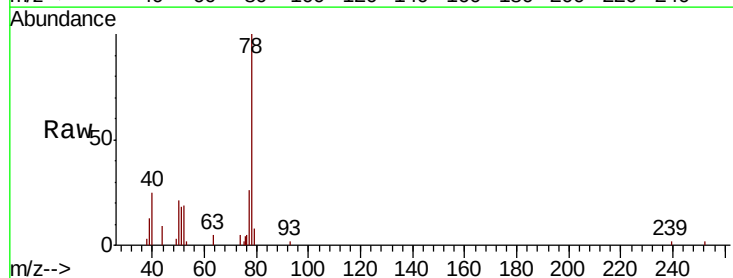
Tgt Ion: 78 Resp: 16117

Ion Ratio Lower Upper

78 100

77 21.8 18.4 27.6

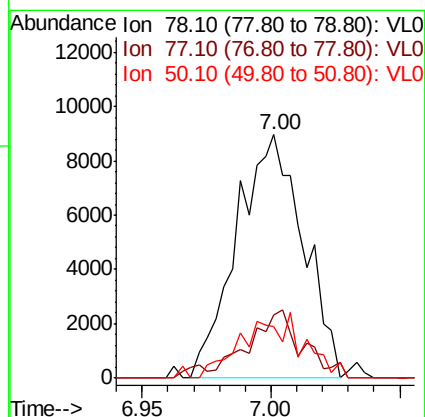
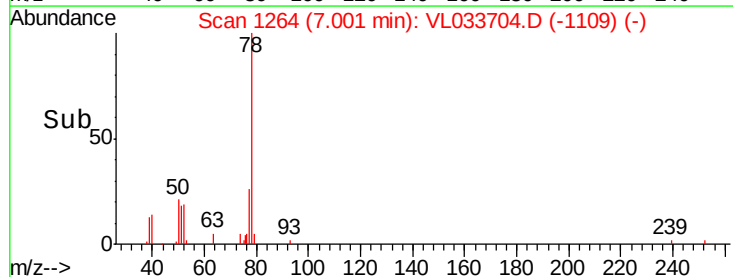
50 21.2 15.5 23.3

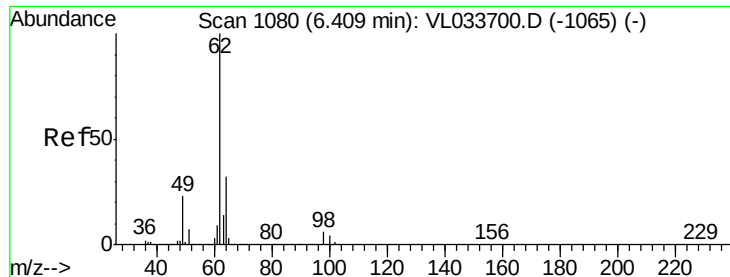


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

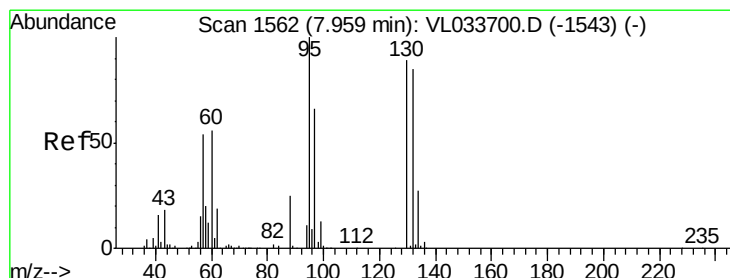
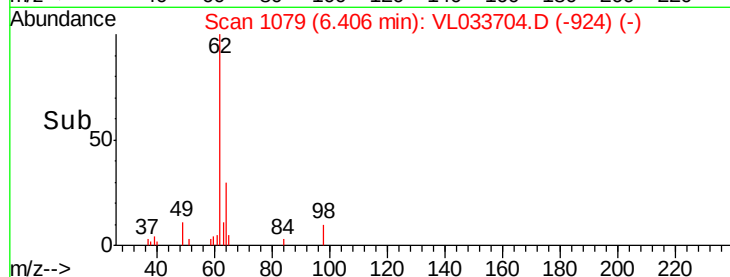
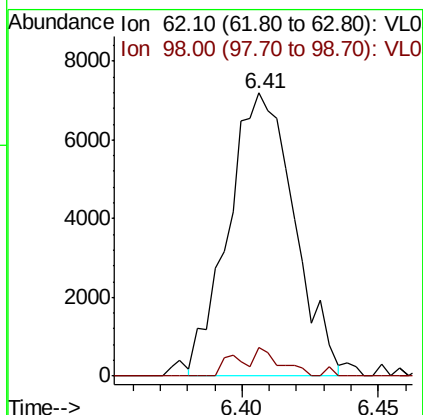
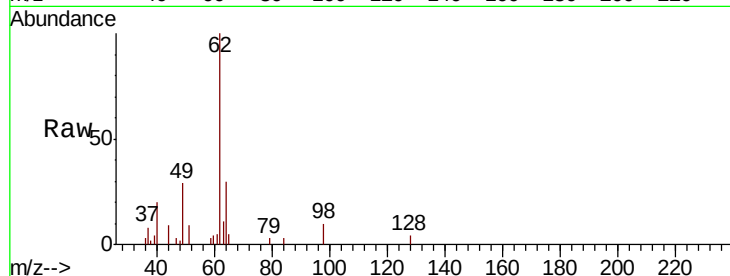




#37
 1,2-Dichloroethane
 Concen: 0.078 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

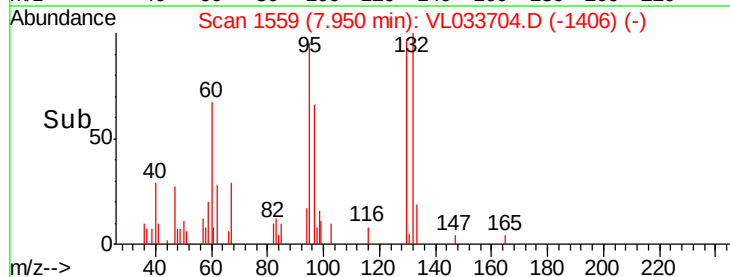
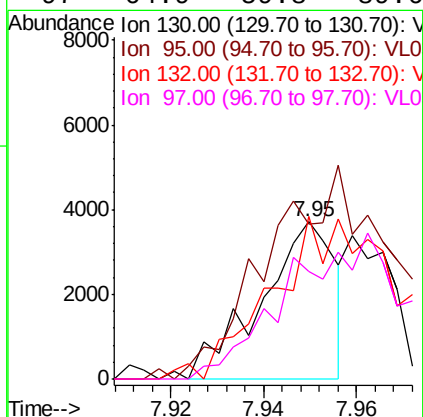
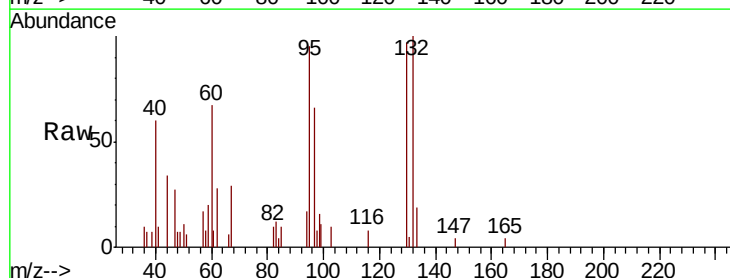
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

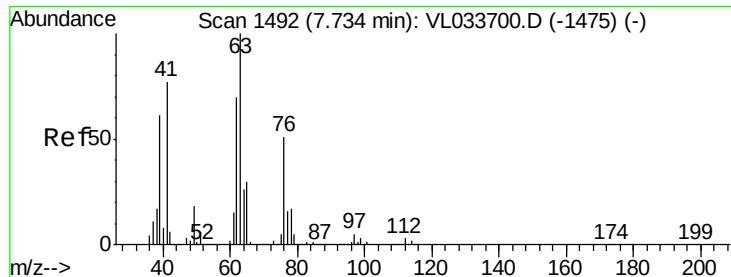
Tgt Ion: 62 Resp: 12060
 Ion Ratio Lower Upper
 62 100
 98 6.8 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.051 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

Tgt Ion: 130 Resp: 4116
 Ion Ratio Lower Upper
 130 100
 95 86.3 90.2 135.4#
 132 89.4 76.4 114.6
 97 64.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 7.752 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

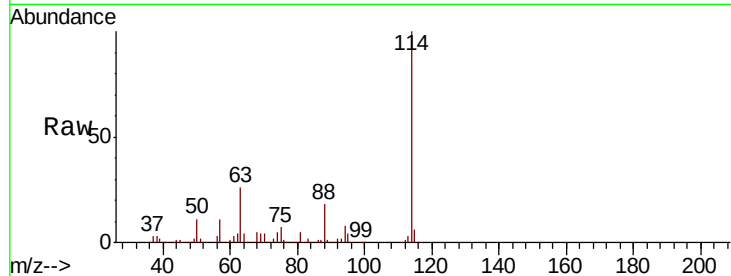
Tgt Ion: 63 Resp: 638057

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

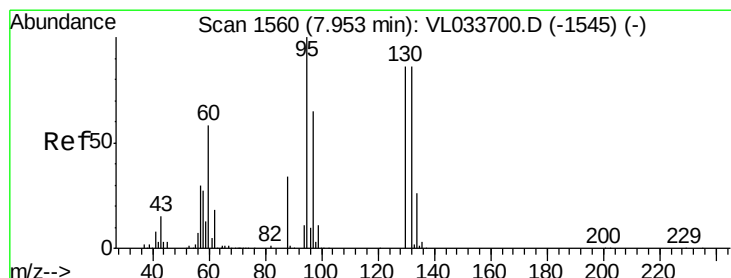
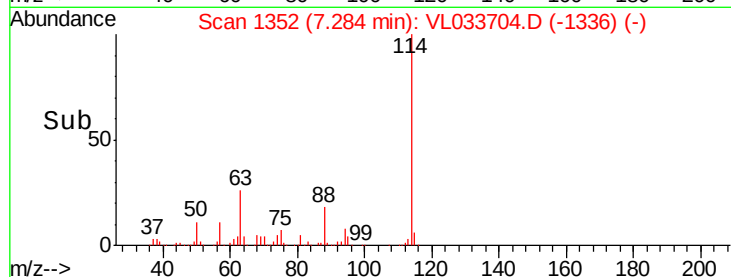
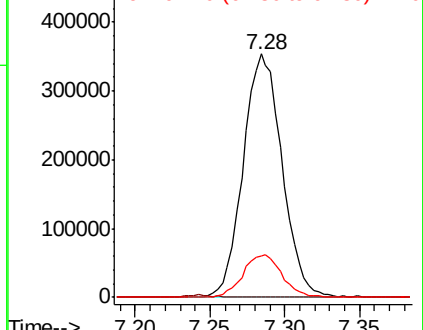
62 17.0 56.2 84.4#



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



#40

1,4-Dioxane

Concen: 0.012 ppbv

RT: 8.01 min Scan# 1578

Delta R.T. 0.06 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Tgt Ion: 88 Resp: 409

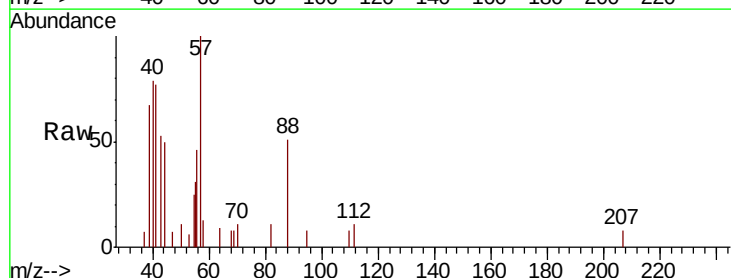
Ion Ratio Lower Upper

88 100

58 197.8 101.8 152.6#

43 1651.8 0.0 0.0#

57 5853.5 0.0 0.0#

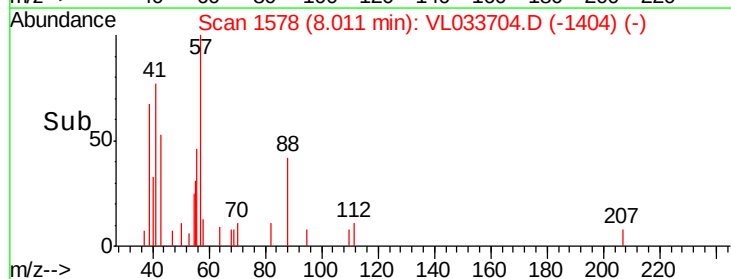
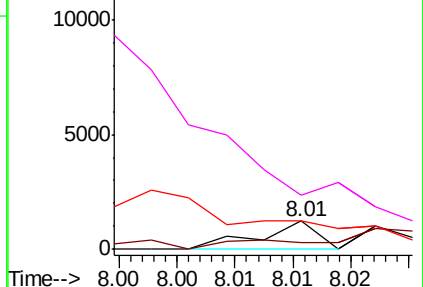


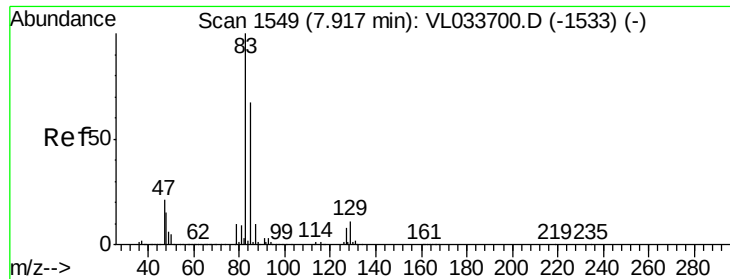
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#42

Bromodichloromethane

Concen: 0.084 ppbv

RT: 7.91 min Scan# 1546

Delta R.T. -0.01 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

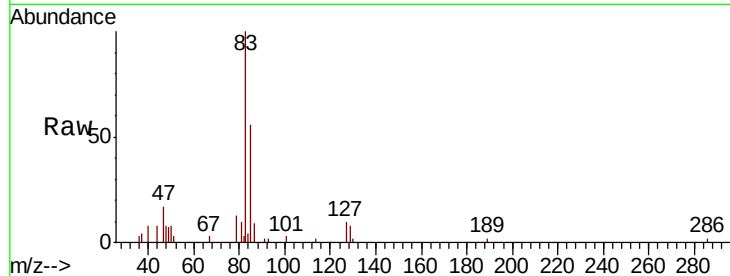
Tgt Ion: 83 Resp: 16667

Ion Ratio Lower Upper

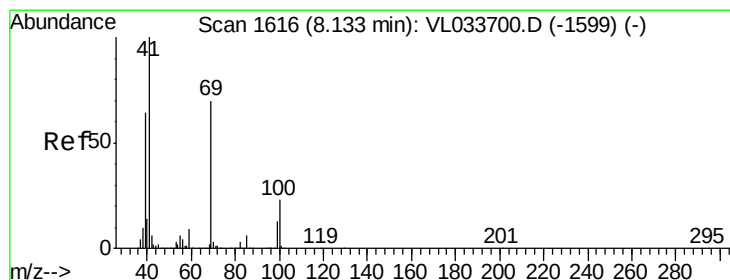
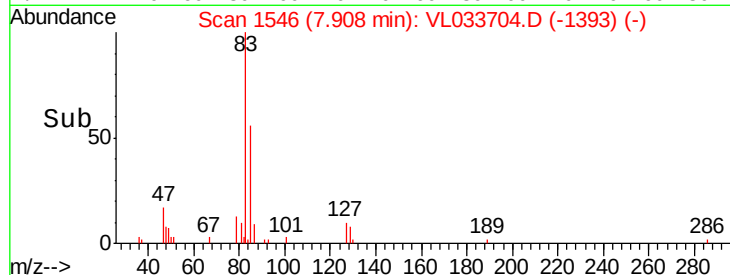
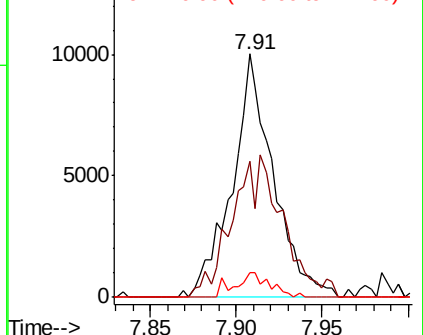
83 100

85 56.1 53.3 79.9

127 10.0 6.5 9.7#



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: 0.018 ppbv

RT: 8.13 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

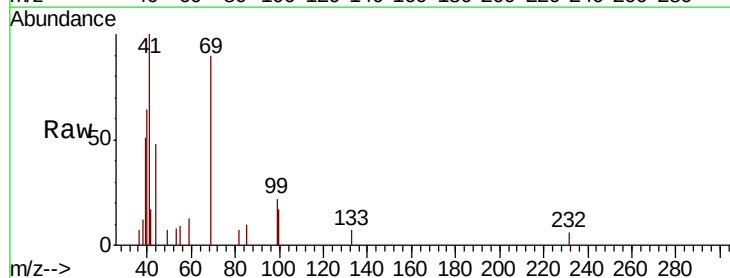
Tgt Ion: 69 Resp: 1529

Ion Ratio Lower Upper

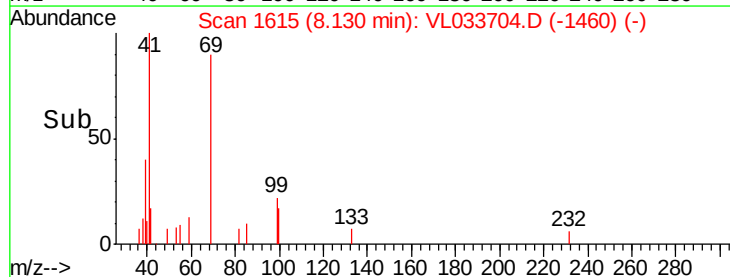
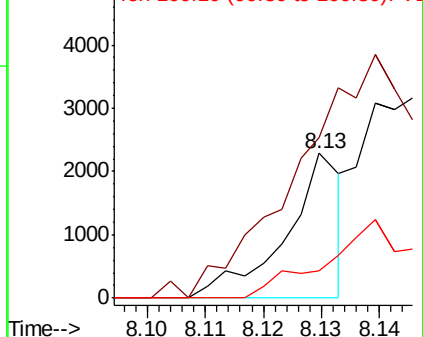
69 100

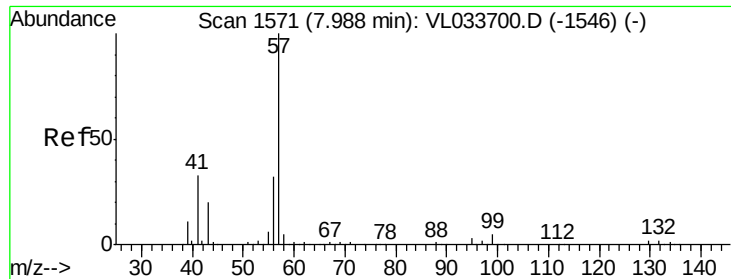
41 0.0 116.3 174.5#

100 0.0 25.3 37.9#



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

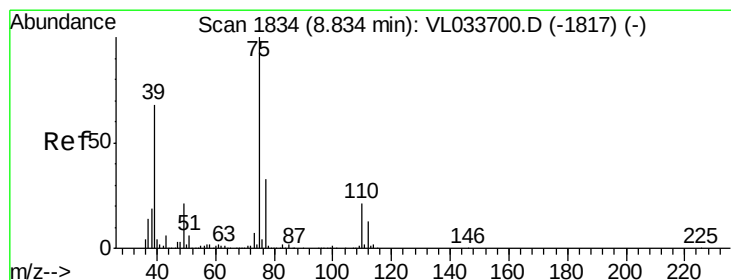
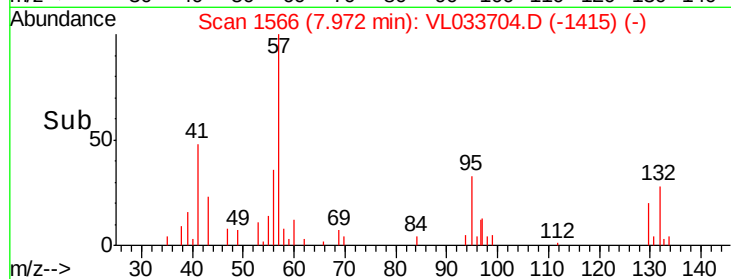
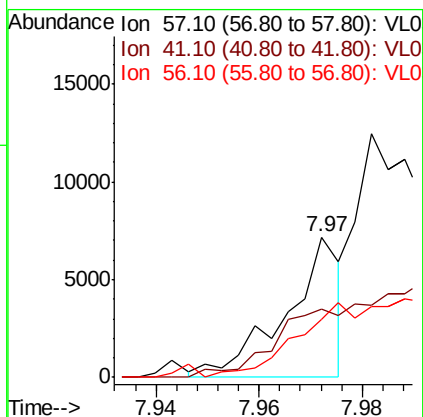
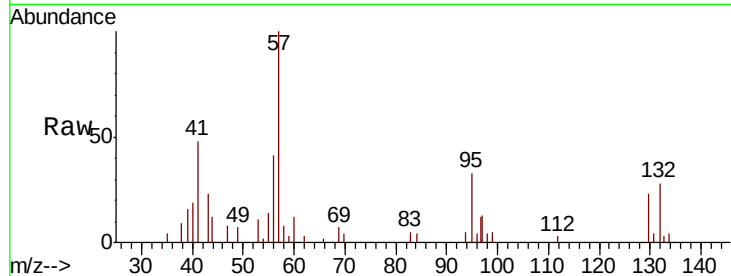




#44
 2,2,4-Trimethylpentane
 Concen: 0.014 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

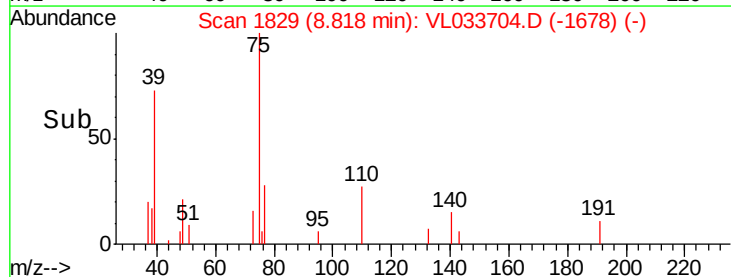
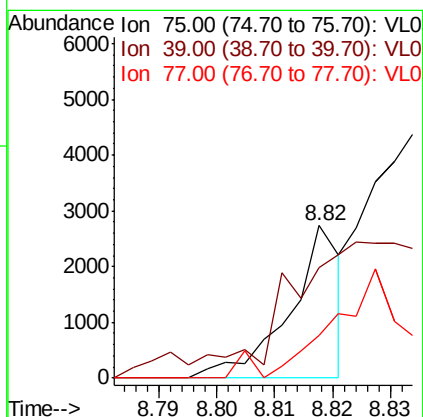
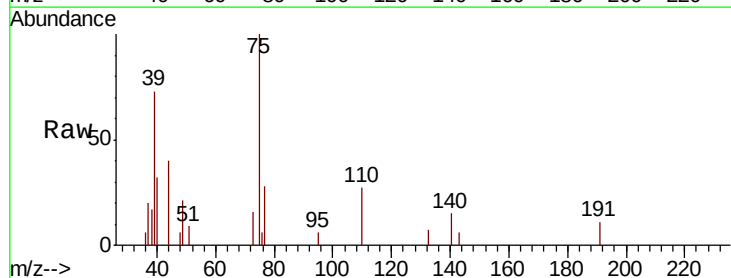
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

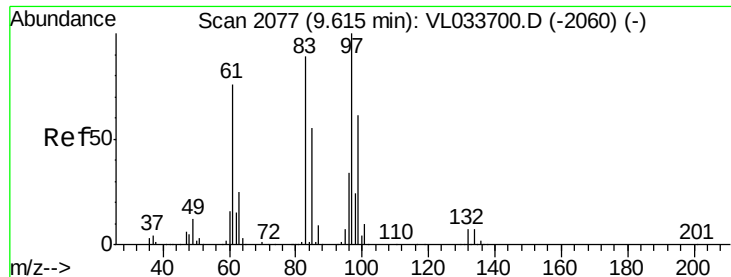
Tgt Ion: 57 Resp: 5267
 Ion Ratio Lower Upper
 57 100
 41 0.0 25.4 38.0#
 56 0.0 24.7 37.1#



#46
 cis-1,3-Dichloropropene
 Concen: 0.013 ppbv
 RT: 8.82 min Scan# 1829
 Delta R.T. -0.02 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

Tgt Ion: 75 Resp: 1674
 Ion Ratio Lower Upper
 75 100
 39 64.3 54.4 81.6
 77 28.0 26.6 39.8

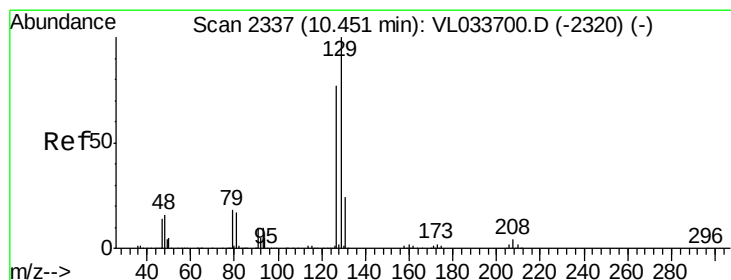
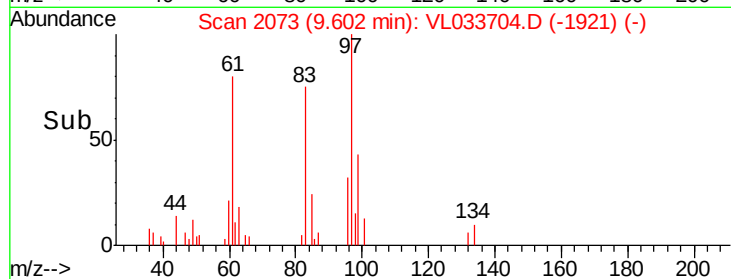
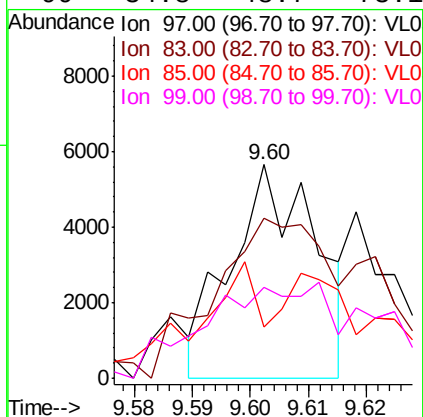
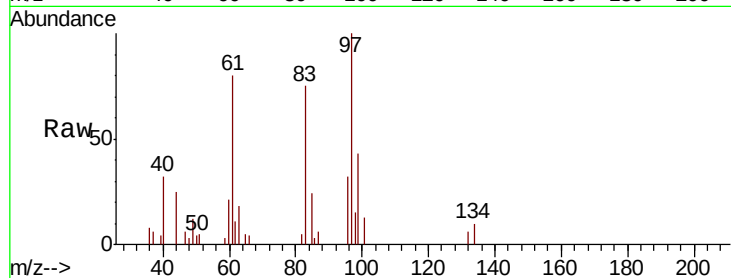




#47
 1,1,2-Trichloroethane
 Concen: 0.061 ppbv
 RT: 9.60 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

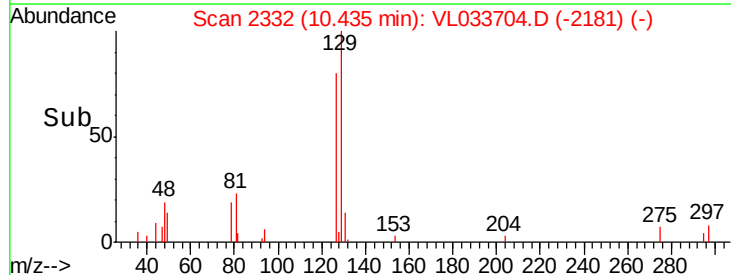
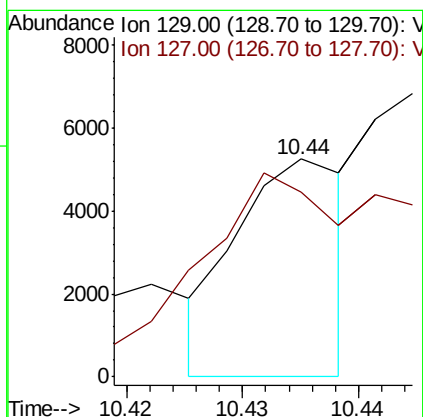
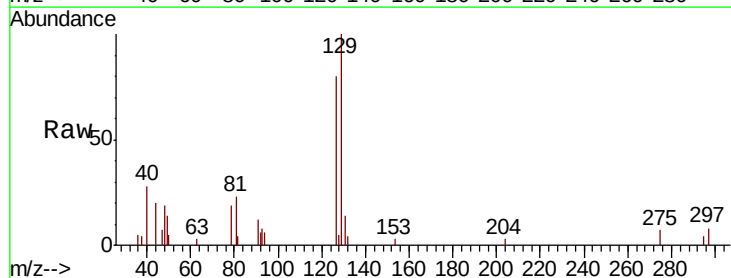
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

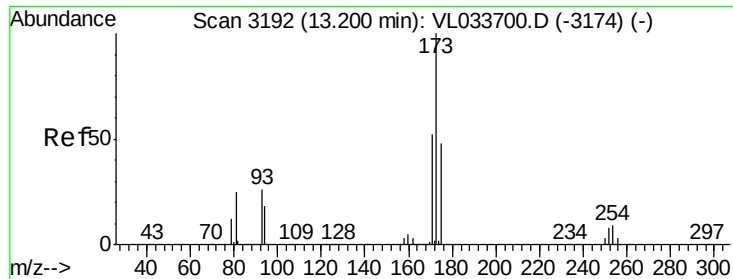
Tgt Ion: 97 Resp: 5748
 Ion Ratio Lower Upper
 97 100
 83 72.1 70.8 106.2
 85 14.4 43.7 65.5#
 99 34.8 48.7 73.1#



#48
 Dibromochloromethane
 Concen: 0.021 ppbv
 RT: 10.44 min Scan# 2332
 Delta R.T. -0.02 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

Tgt Ion: 129 Resp: 3439
 Ion Ratio Lower Upper
 129 100
 127 286.9 38.6 116.0#





#49

Bromoform

Concen: 0.024 ppbv

RT: 13.18 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

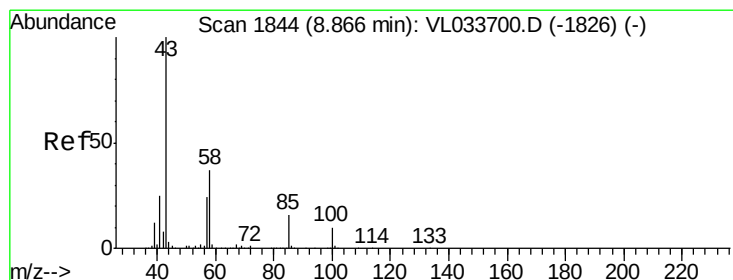
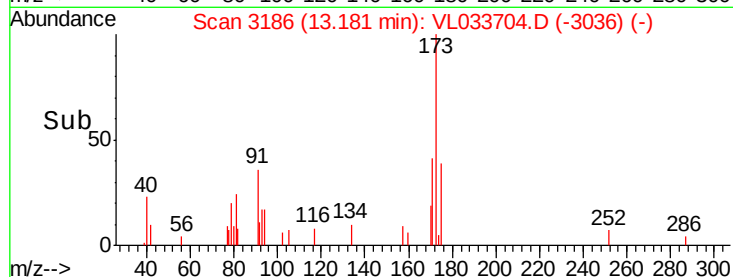
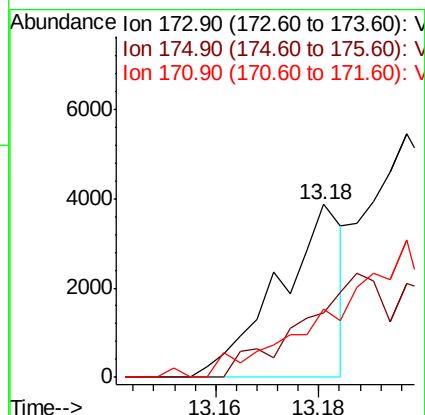
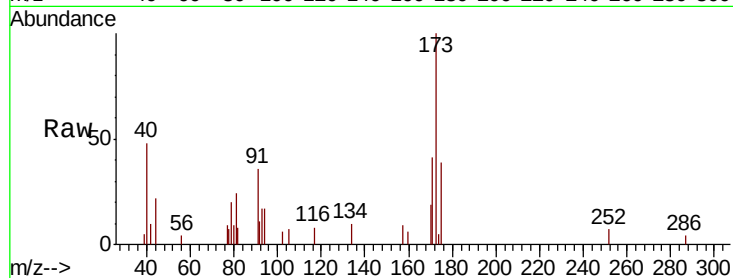
Tgt Ion:173 Resp: 3344

Ion Ratio Lower Upper

173 100

175 147.2 38.6 58.0#

171 0.0 41.5 62.3#



#50

4-Methyl-2-Pentanone

Concen: 0.063 ppbv

RT: 8.90 min Scan# 1855

Delta R.T. 0.04 min

Lab File: VL033704.D

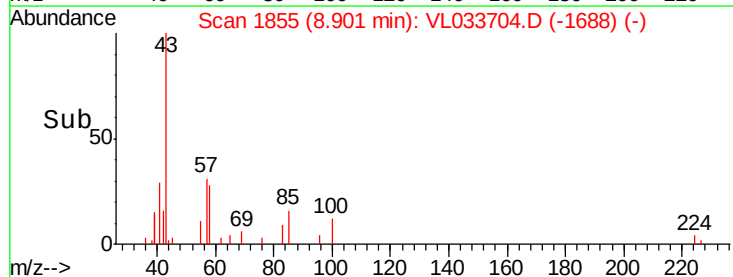
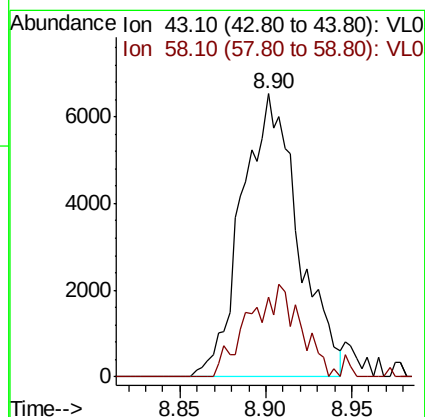
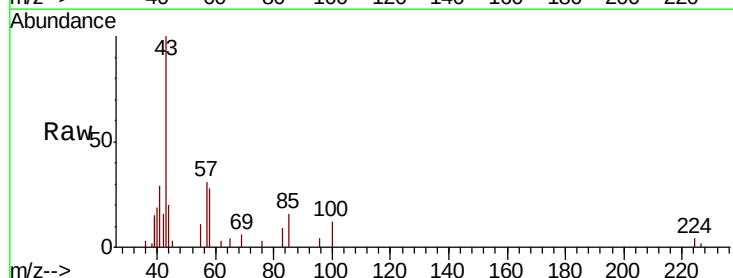
Acq: 17 May 2019 4:34

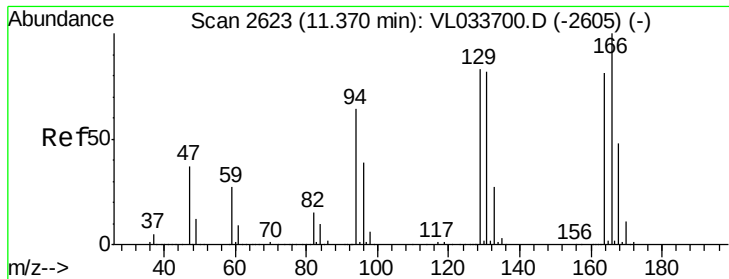
Tgt Ion: 43 Resp: 14960

Ion Ratio Lower Upper

43 100

58 30.7 28.6 43.0





#52

Tetrachloroethene

Concen: 0.070 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:164 Resp: 5492

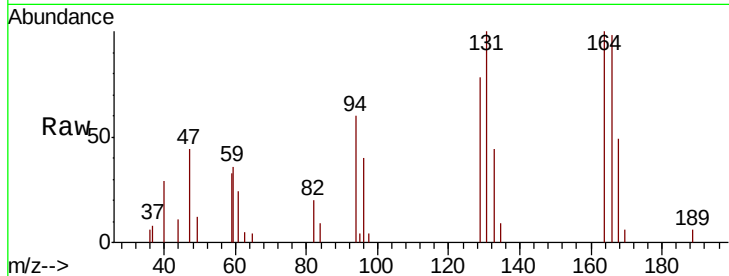
Ion Ratio Lower Upper

164 100

166 75.1 98.9 148.3#

129 63.0 81.8 122.6#

131 83.5 81.1 121.7

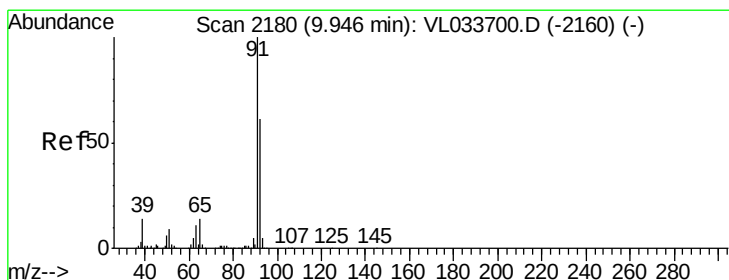
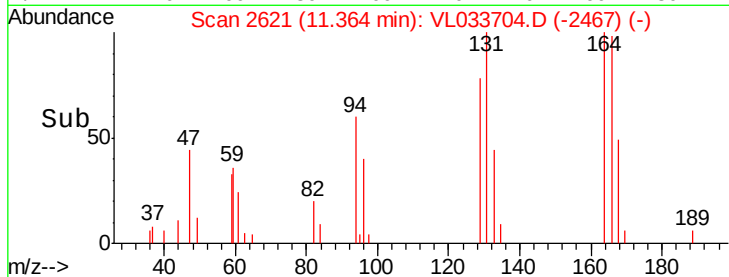
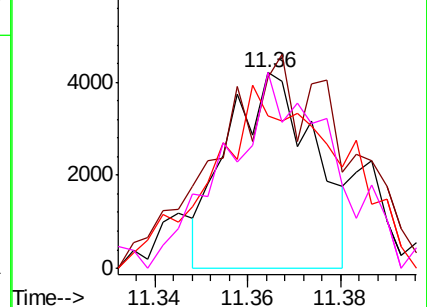


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.015 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033704.D

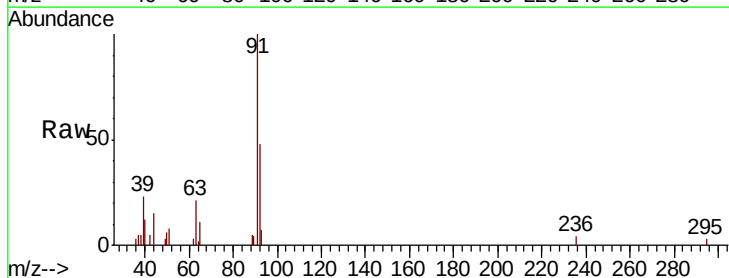
Acq: 17 May 2019 4:34

Tgt Ion: 91 Resp: 3491

Ion Ratio Lower Upper

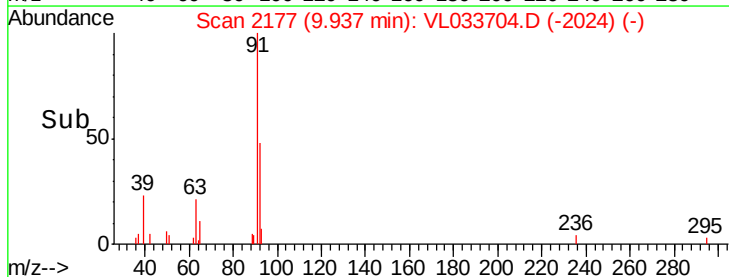
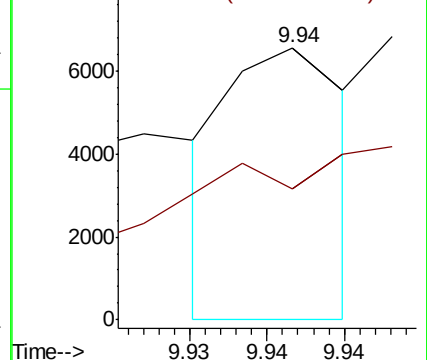
91 100

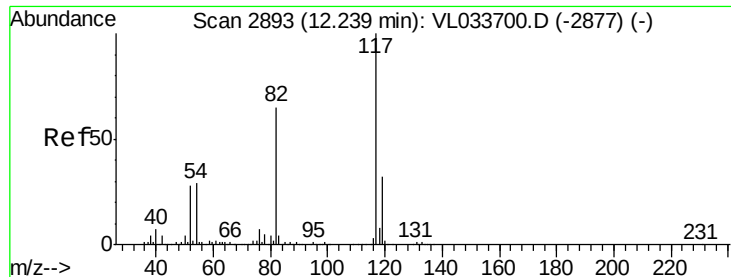
92 0.0 47.6 71.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

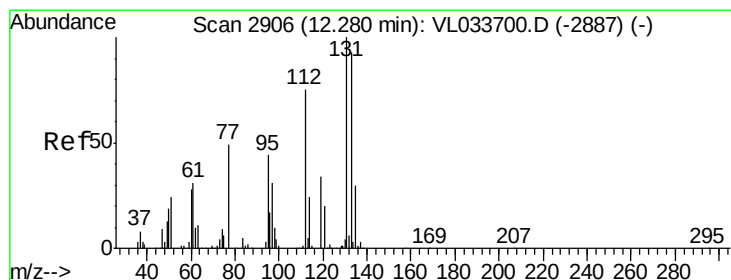
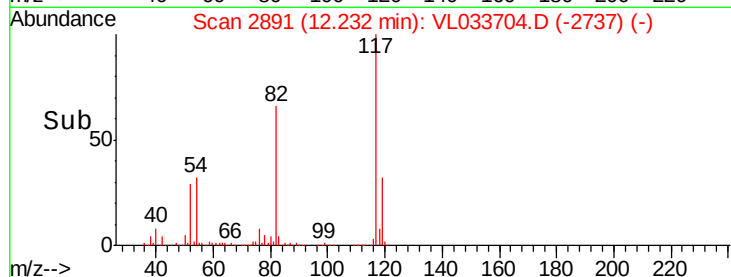
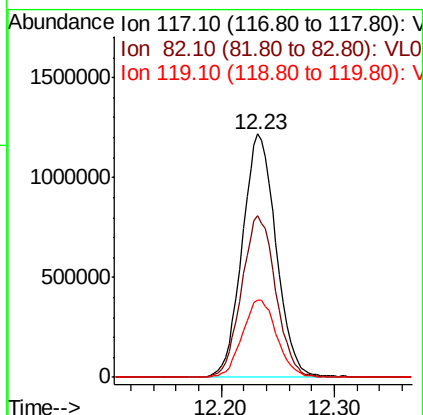
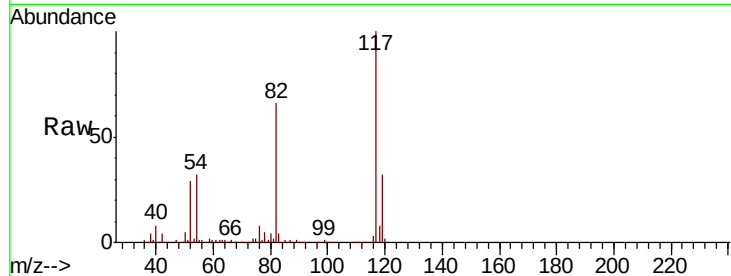




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

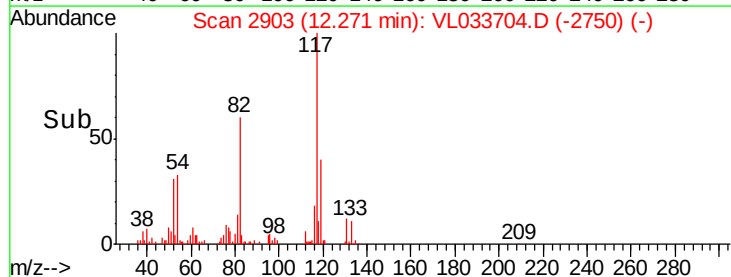
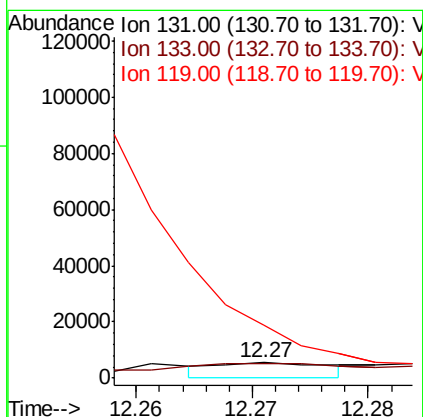
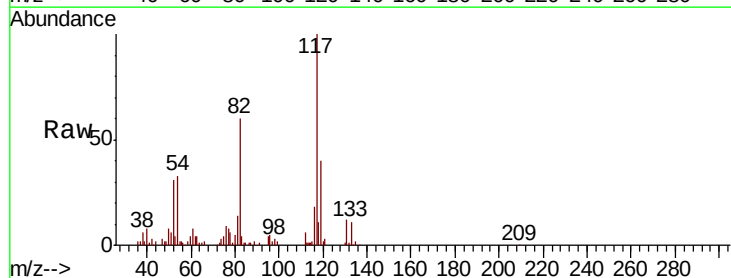
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

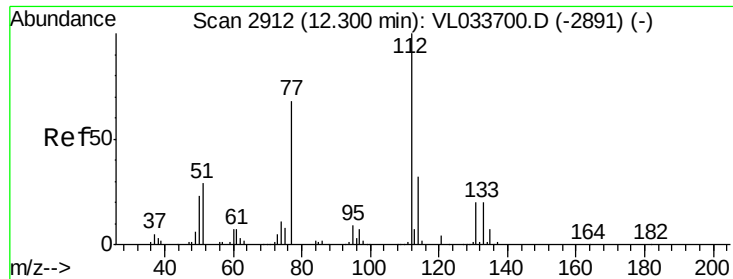
Tgt Ion:117 Resp: 2532203
Ion Ratio Lower Upper
117 100
82 67.1 49.4 74.0
119 32.6 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.032 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion:131 Resp: 3791
Ion Ratio Lower Upper
131 100
133 302.8 76.6 114.8#
119 0.0 49.0 73.4#

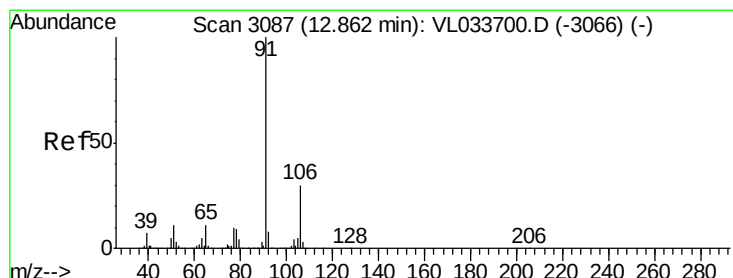
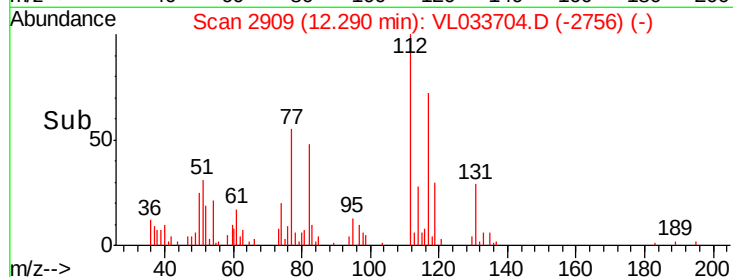
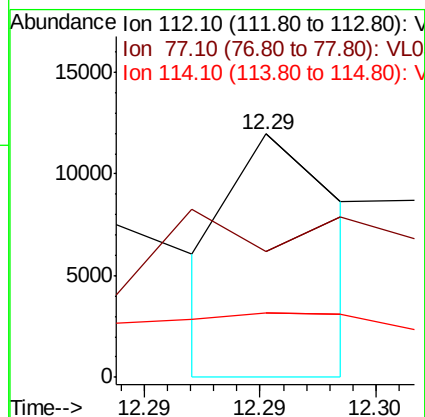
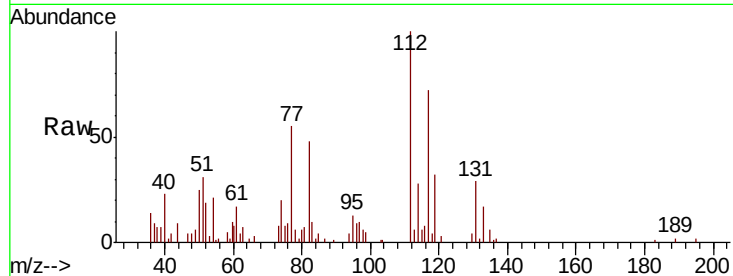




#57
Chlorobenzene
Concen: 0.019 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

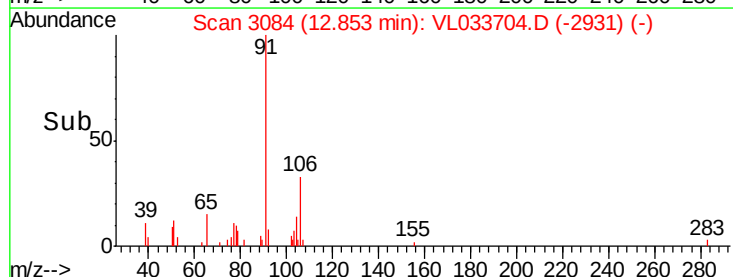
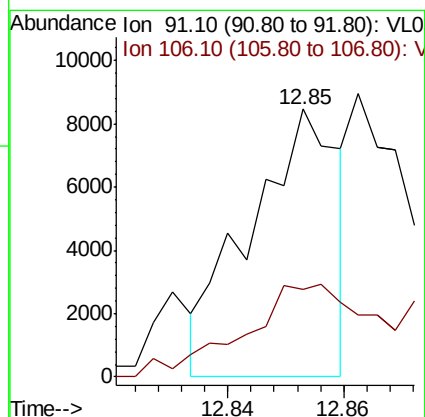
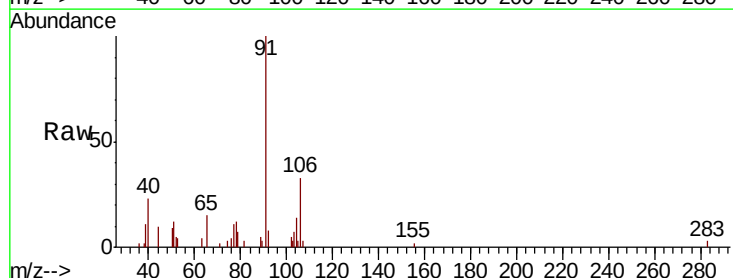
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

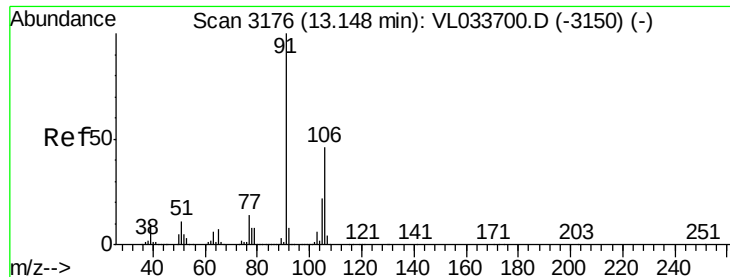
Tgt Ion: 112 Resp: 3986
Ion Ratio Lower Upper
112 100
77 0.0 55.4 83.0#
114 4.4 29.3 35.8#



#58
Ethyl Benzene
Concen: 0.027 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion: 91 Resp: 8969
Ion Ratio Lower Upper
91 100
106 28.8 23.9 35.9

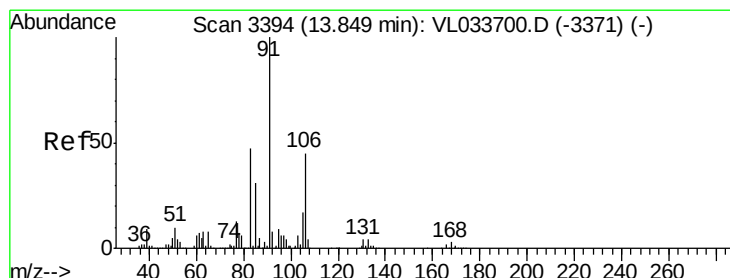
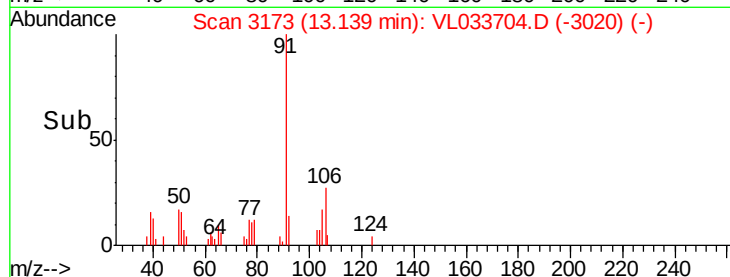
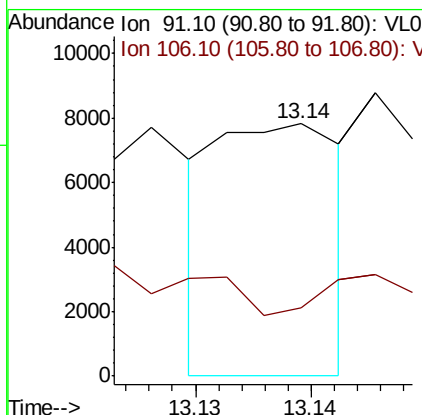
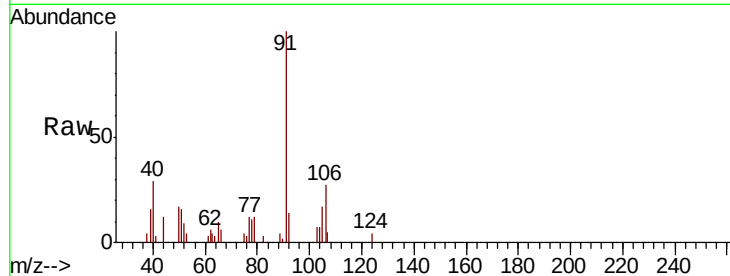




#59
m/p-Xylene
Concen: 0.020 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

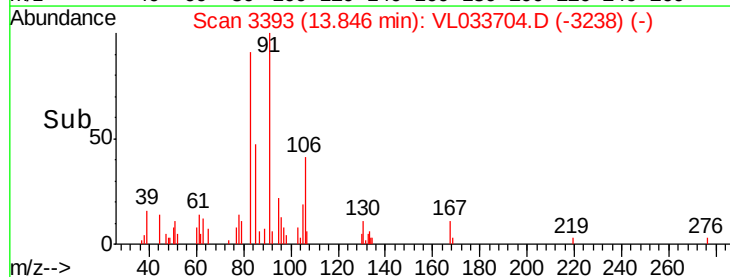
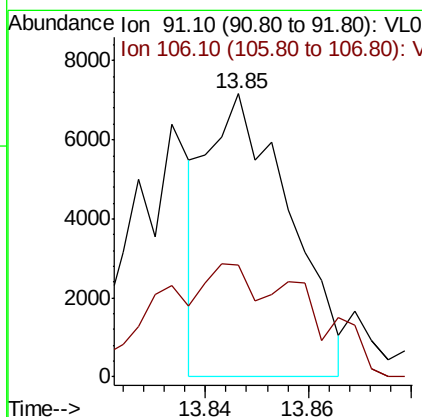
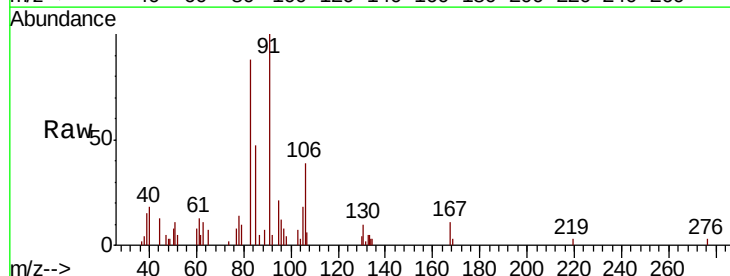
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

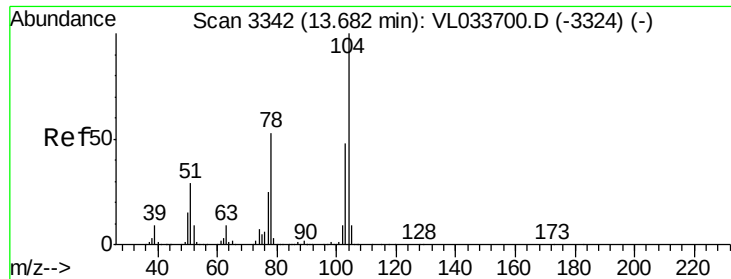
Tgt Ion: 91 Resp: 5818
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#



#60
o-Xylene
Concen: 0.027 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion: 91 Resp: 7936
Ion Ratio Lower Upper
91 100
106 76.0 21.6 64.8#





#61

Styrene

Concen: 0.032 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

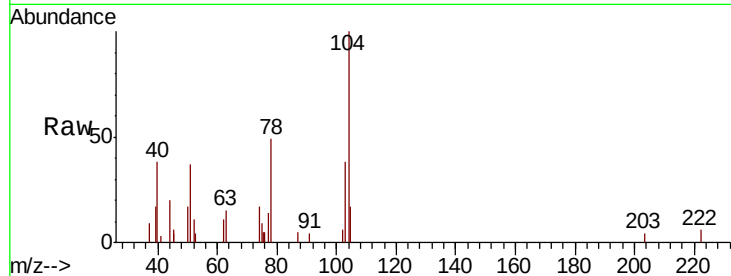
Tgt Ion:104 Resp: 6311

Ion Ratio Lower Upper

104 100

78 73.4 42.6 64.0#

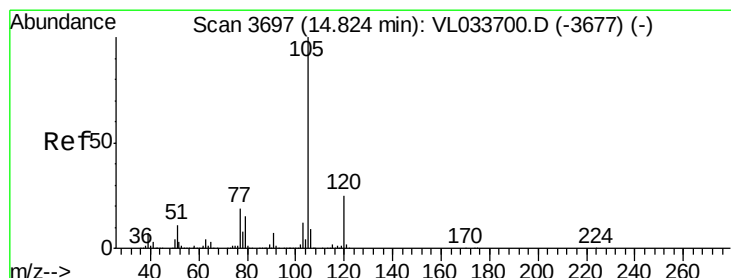
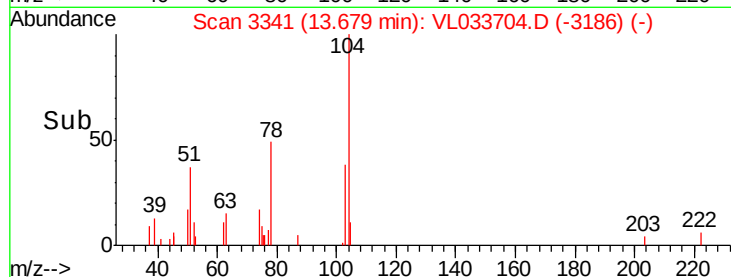
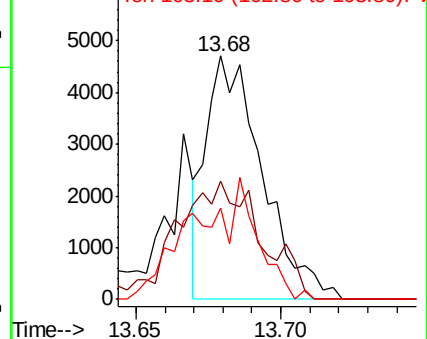
103 57.3 37.8 56.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.031 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033704.D

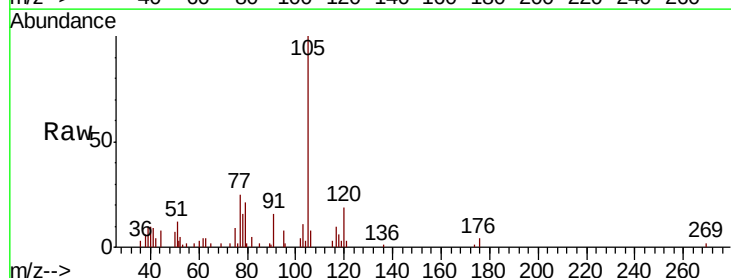
Acq: 17 May 2019 4:34

Tgt Ion:105 Resp: 12408

Ion Ratio Lower Upper

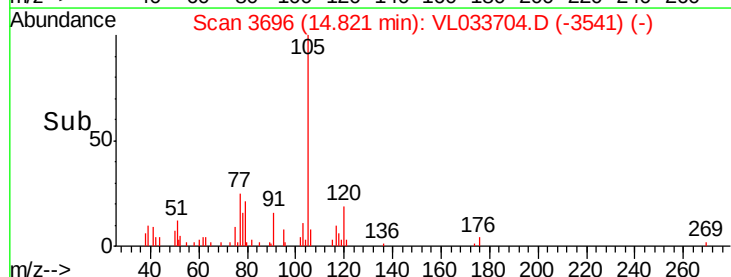
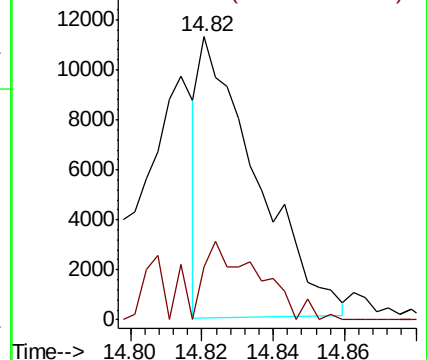
105 100

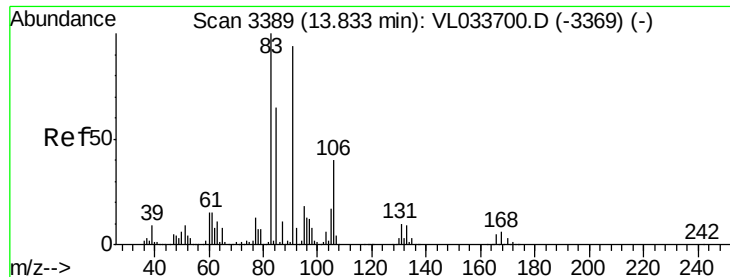
120 26.8 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

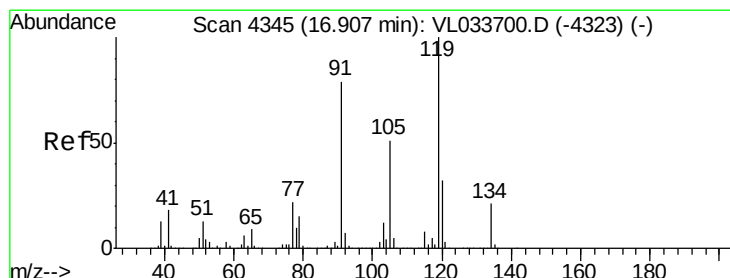
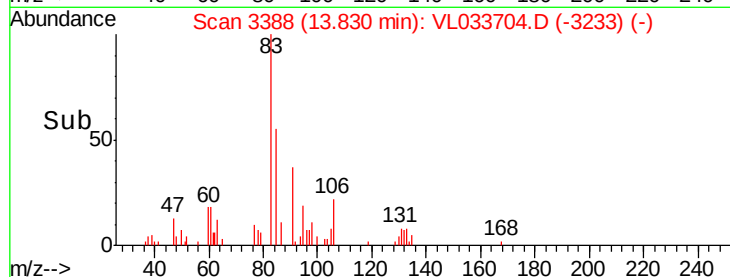
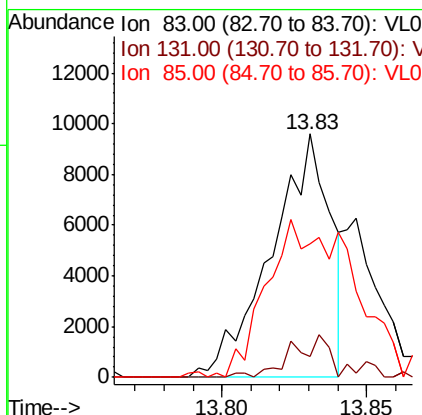
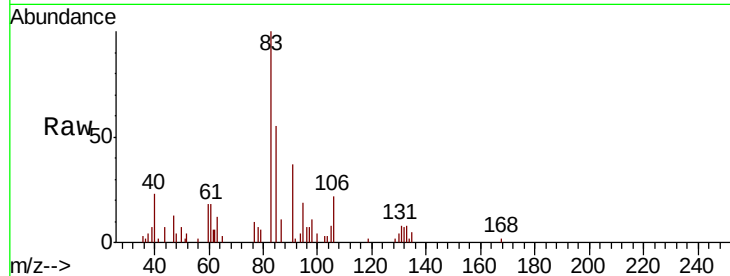




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.063 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

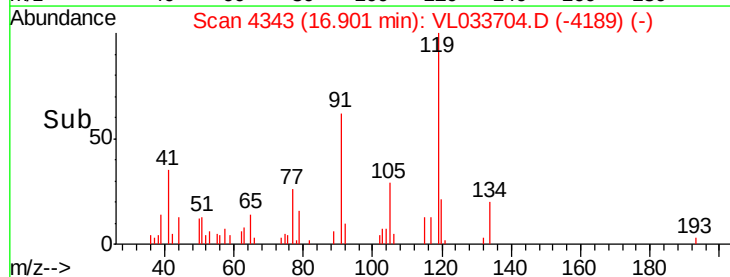
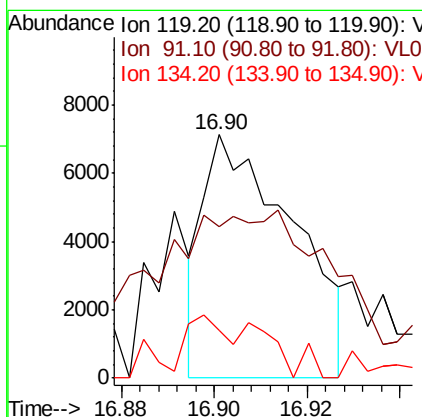
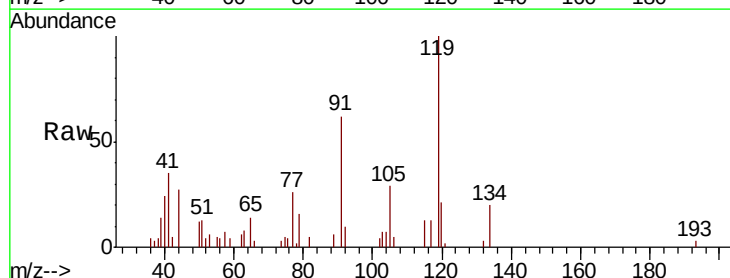
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

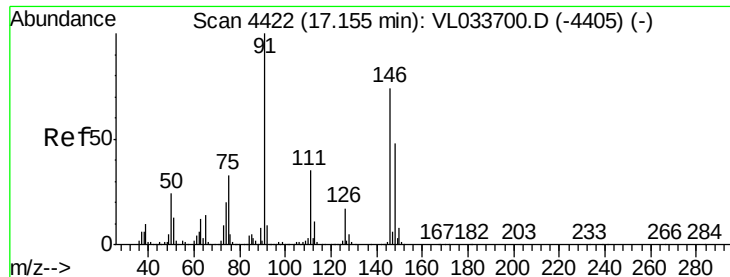
Tgt Ion: 83 Resp: 13602
 Ion Ratio Lower Upper
 83 100
 131 13.1 4.8 14.3
 85 102.3 32.3 96.9#



#65
 tert-Butylbenzene
 Concen: 0.026 ppbv
 RT: 16.90 min Scan# 4343
 Delta R.T. -0.01 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

Tgt Ion: 119 Resp: 9584
 Ion Ratio Lower Upper
 119 100
 91 0.0 65.3 97.9#
 134 31.5 15.7 23.5#

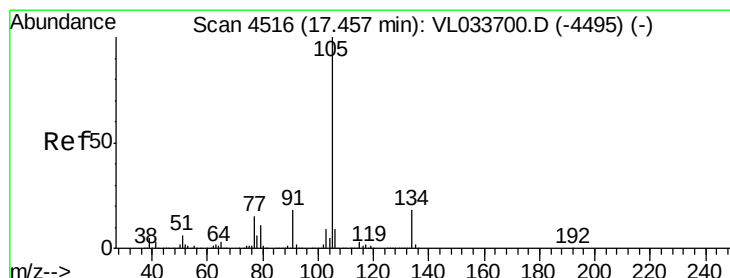
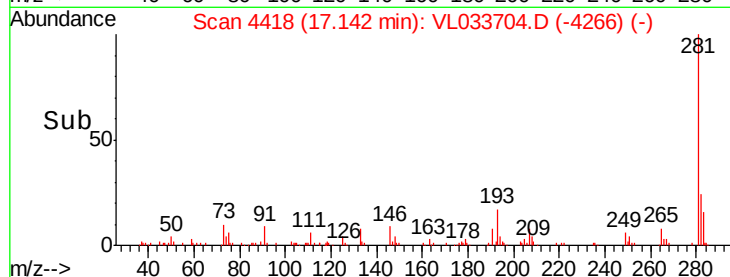
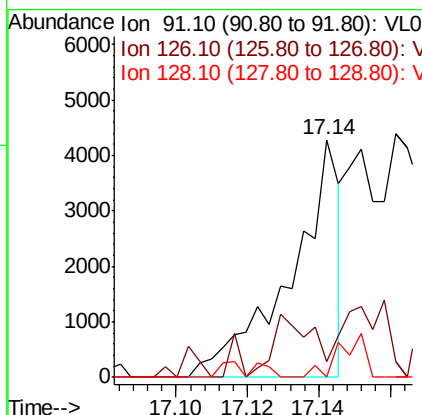
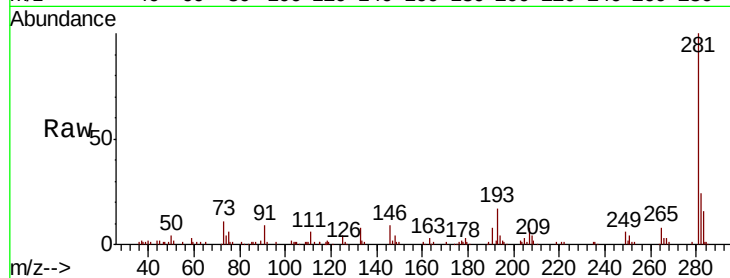




#66
Benzyl Chloride
Concen: 0.024 ppbv
RT: 17.14 min Scan# 4418
Delta R.T. -0.01 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

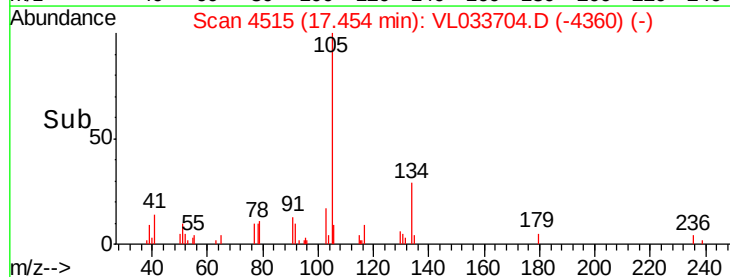
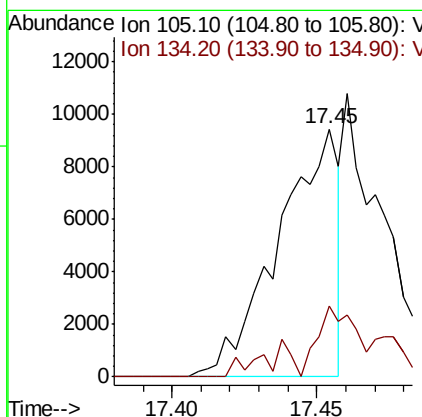
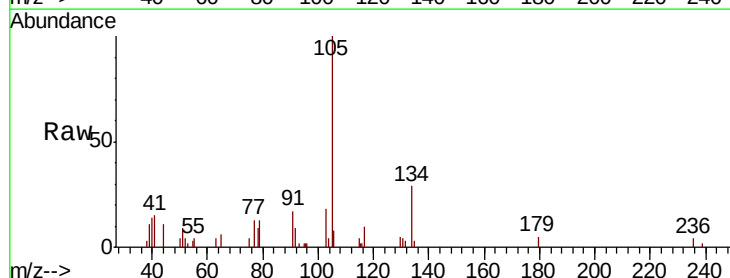
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

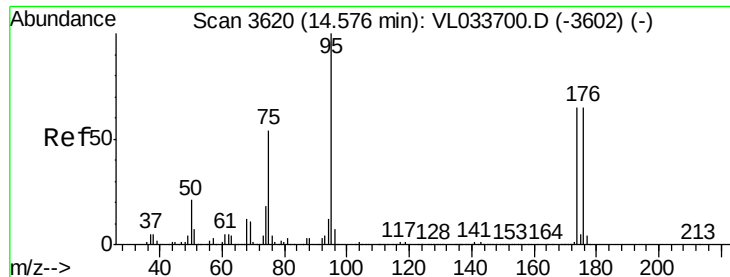
Tgt Ion: 91 Resp: 4068
Ion Ratio Lower Upper
91 100
126 0.0 13.5 20.3#
128 0.0 4.3 6.5#



#67
sec-Butylbenzene
Concen: 0.026 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033704.D
Acq: 17 May 2019 4:34

Tgt Ion: 105 Resp: 13572
Ion Ratio Lower Upper
105 100
134 33.6 14.6 22.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.136 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

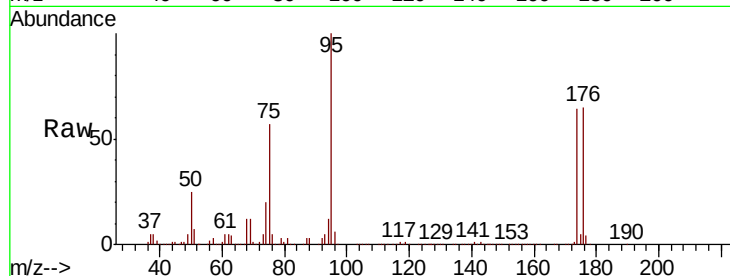
Tgt Ion: 95 Resp: 2104131

Ion Ratio Lower Upper

95 100

174 65.6 53.9 80.9

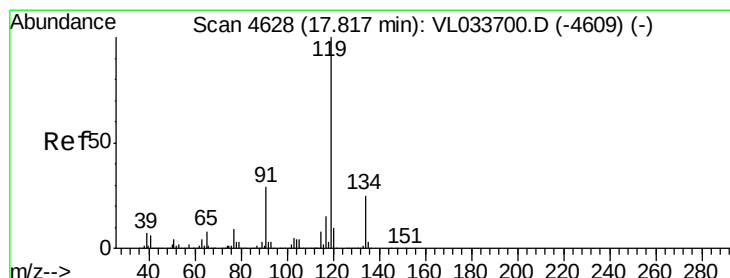
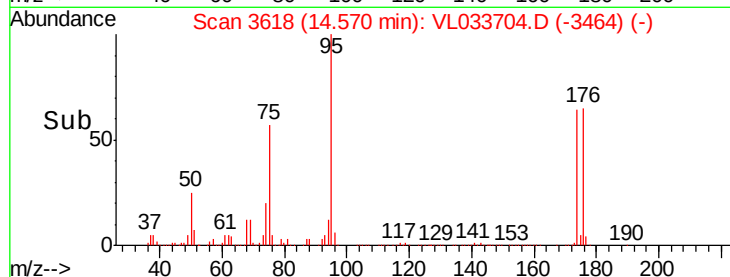
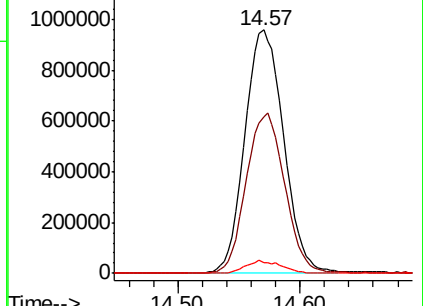
175 4.9 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 0.026 ppbv

RT: 17.81 min Scan# 4627

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

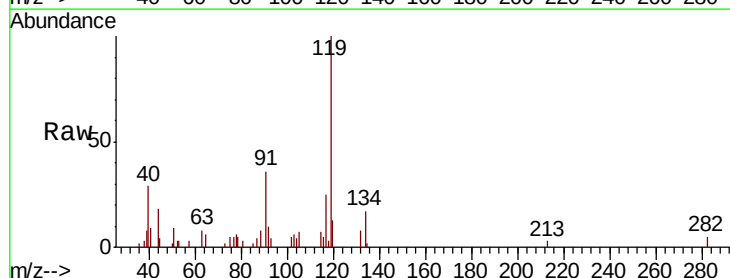
Tgt Ion: 119 Resp: 10970

Ion Ratio Lower Upper

119 100

134 0.0 20.3 30.5#

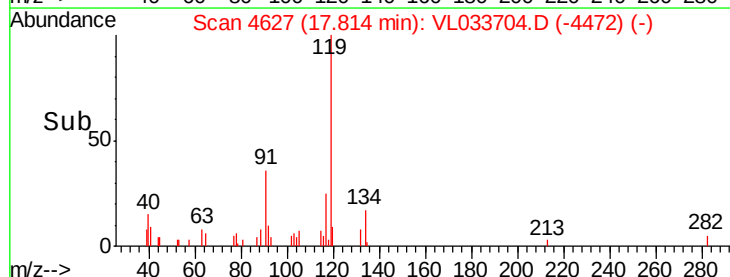
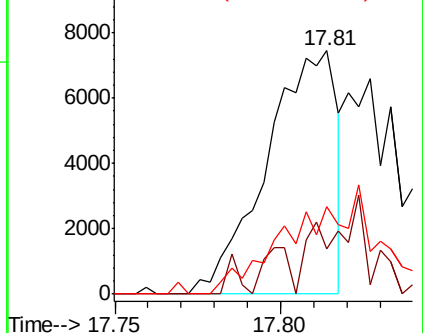
91 0.0 23.1 34.7#

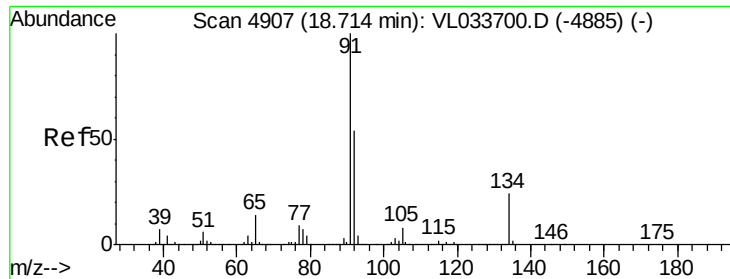


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 0.024 ppbv

RT: 18.71 min Scan# 4906

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

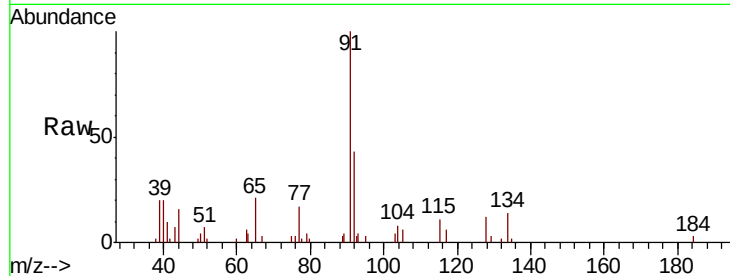
Tgt Ion: 91 Resp: 11010

Ion Ratio Lower Upper

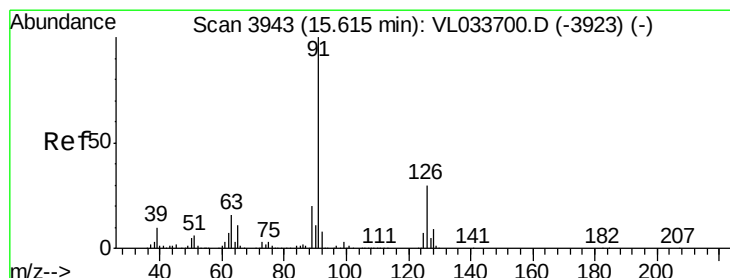
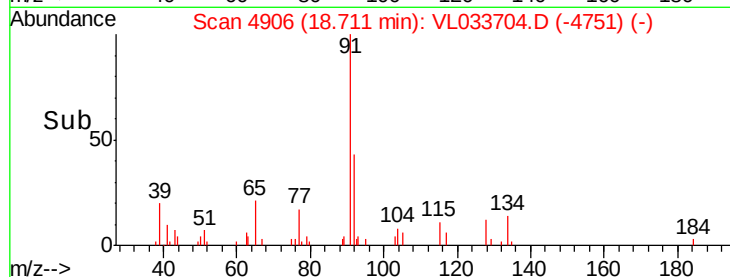
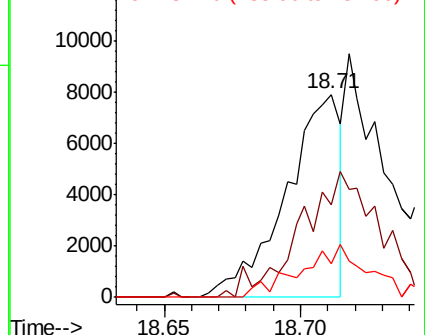
91 100

92 0.0 42.6 63.8#

134 0.0 18.1 27.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 0.029 ppbv

RT: 15.61 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL033704.D

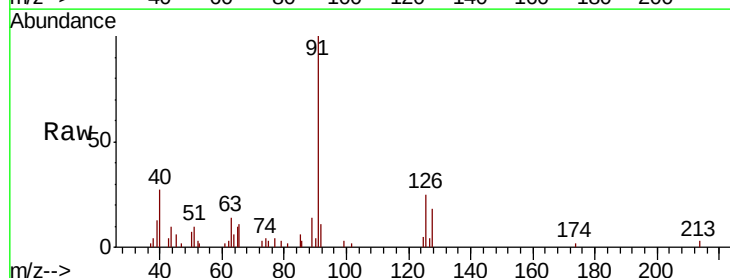
Acq: 17 May 2019 4:34

Tgt Ion: 91 Resp: 8770

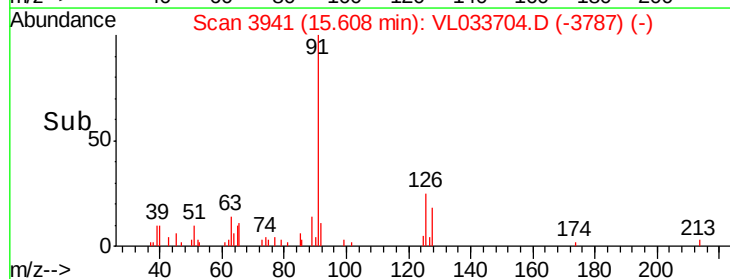
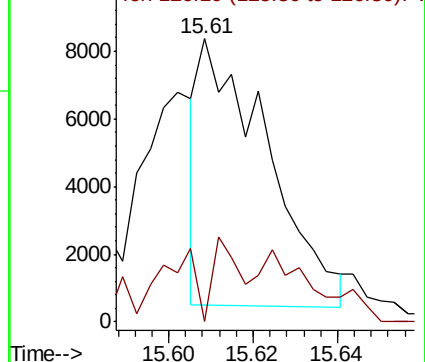
Ion Ratio Lower Upper

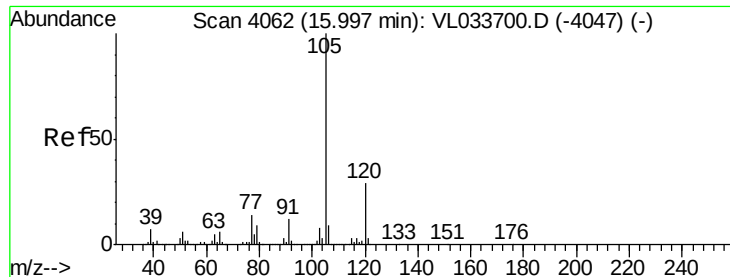
91 100

126 19.1 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.028 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

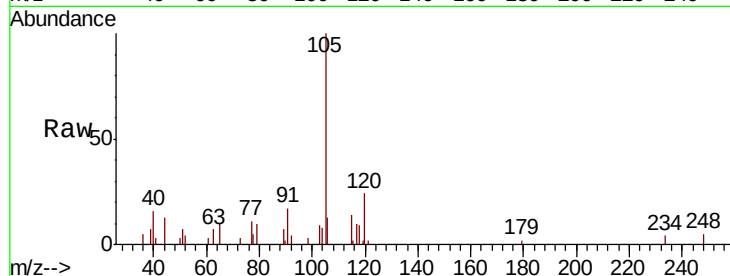
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:	105	Resp:	9660
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.1	34.7#
91	0.0	10.4	15.6#
77	0.0	11.0	16.6#

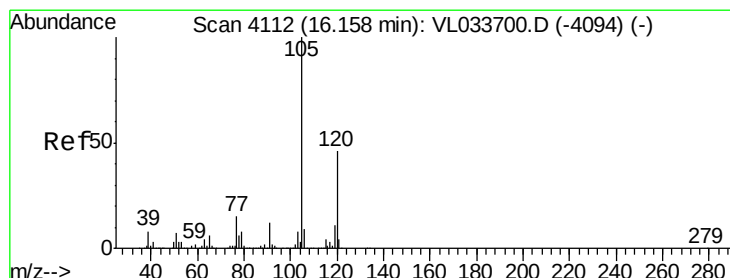
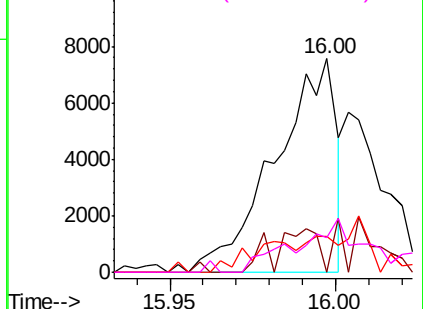
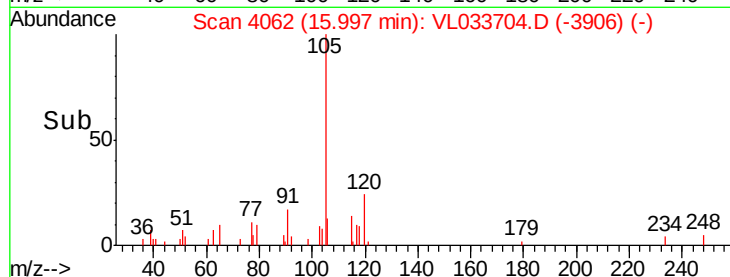


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.031 ppbv

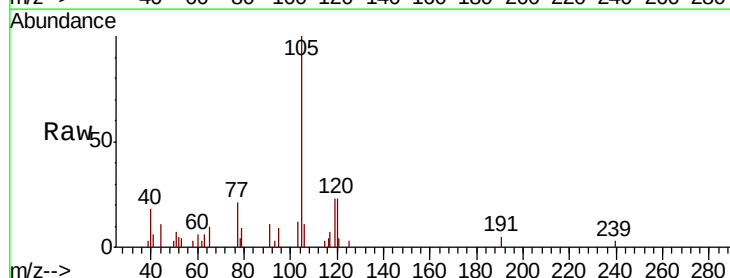
RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033704.D

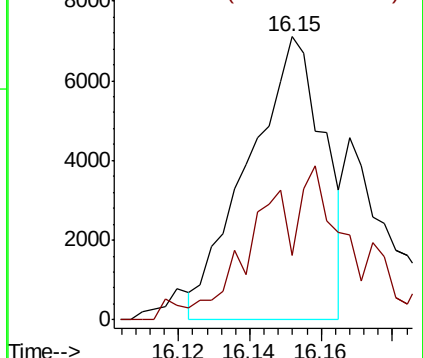
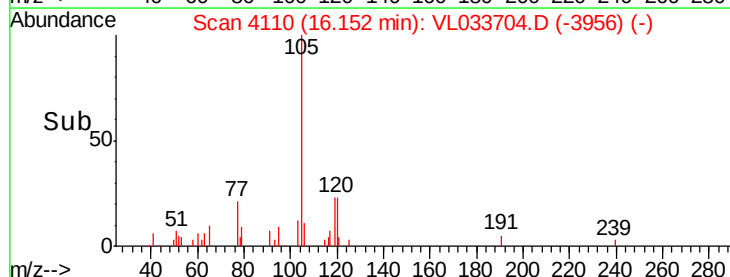
Acq: 17 May 2019 4:34

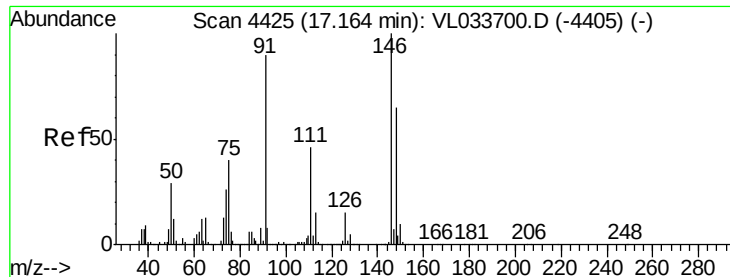
Tgt Ion:	105	Resp:	10406
Ion	Ratio	Lower	Upper
105	100		
120	25.3	37.0	55.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#75

1,3-Dichlorobenzene

Concen: 0.076 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

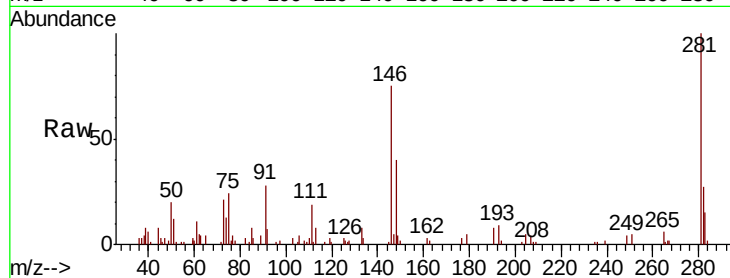
Tgt Ion:146 Resp: 17252

Ion Ratio Lower Upper

146 100

111 67.7 22.9 68.8

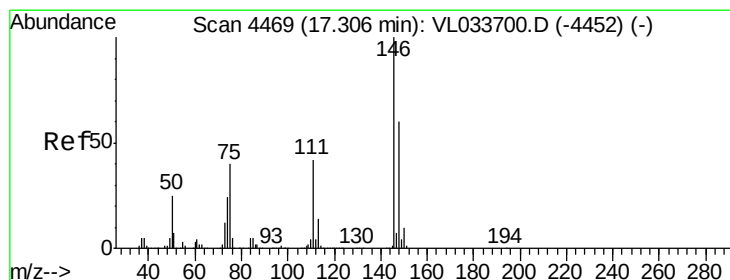
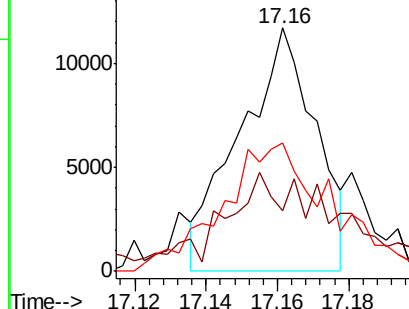
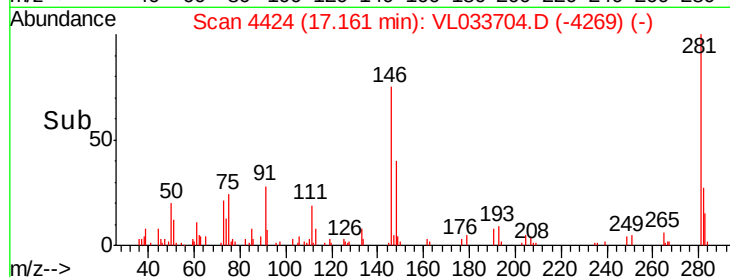
148 79.3 32.0 96.2



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: 0.043 ppbv

RT: 17.30 min Scan# 4468

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

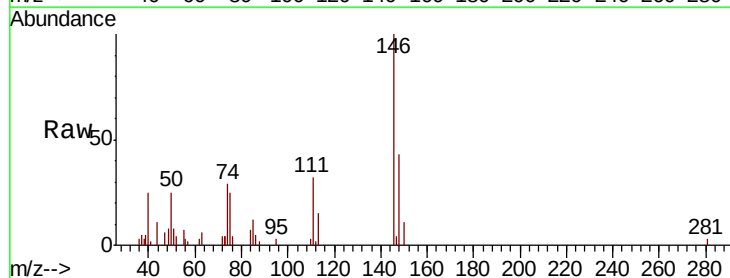
Tgt Ion:146 Resp: 9222

Ion Ratio Lower Upper

146 100

111 81.5 21.9 65.8#

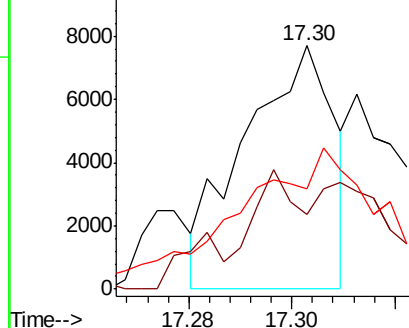
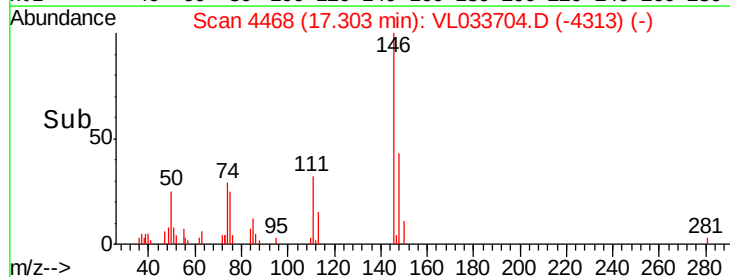
148 103.8 32.1 96.3#

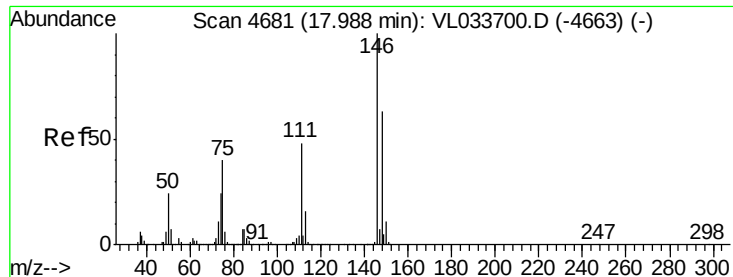


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

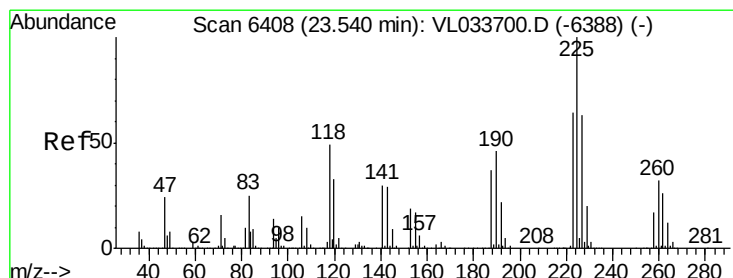
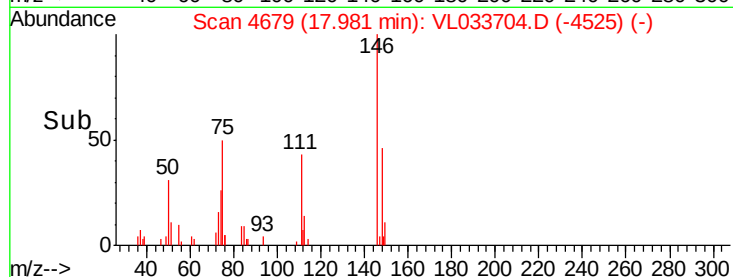
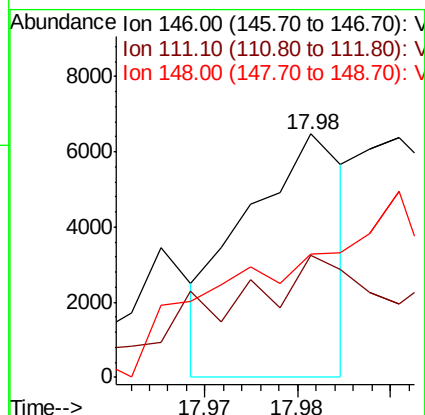
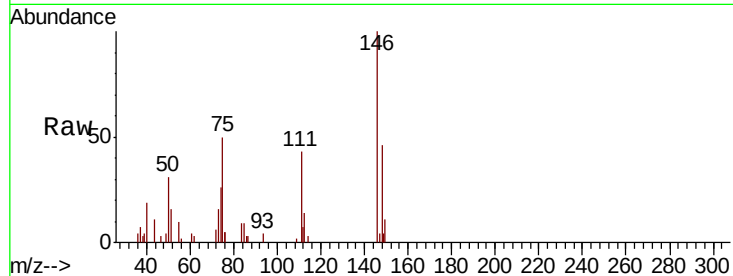




#77
 1,2-Dichlorobenzene
 Concen: 0.023 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

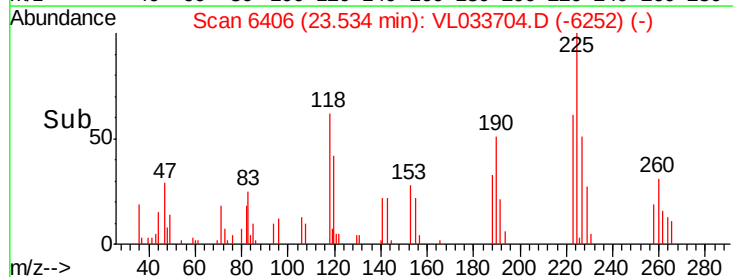
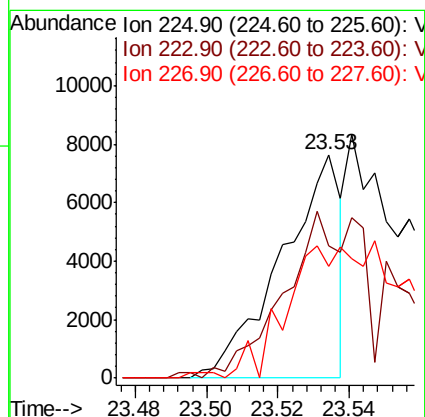
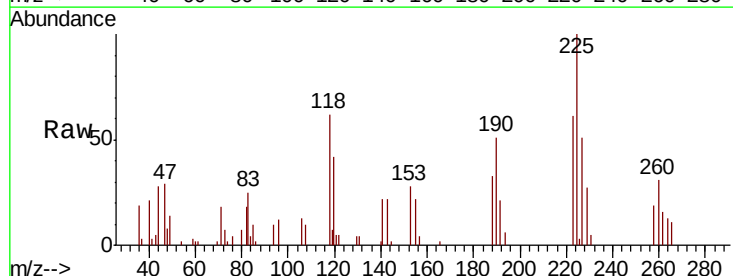
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

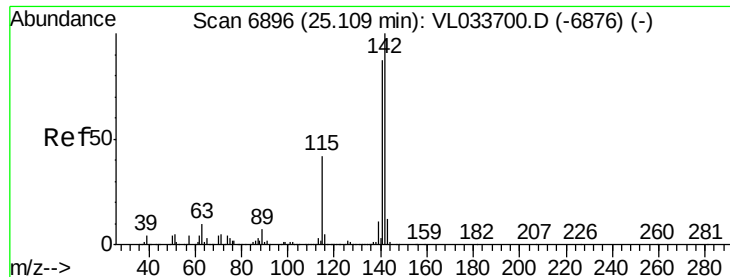
Tgt Ion:146 Resp: 4846
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.5 70.5#
 148 0.0 32.1 96.3#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.053 ppbv
 RT: 23.53 min Scan# 6406
 Delta R.T. -0.01 min
 Lab File: VL033704.D
 Acq: 17 May 2019 4:34

Tgt Ion:225 Resp: 8830
 Ion Ratio Lower Upper
 225 100
 223 132.5 50.2 75.4#
 227 0.0 50.7 76.1#





#80

Naphthalene, 2-methyl-

Concen: 0.029 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

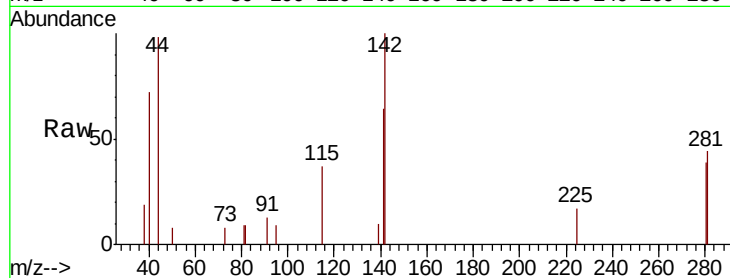
Tgt Ion:142 Resp: 3823

Ion Ratio Lower Upper

142 100

141 81.6 67.2 100.8

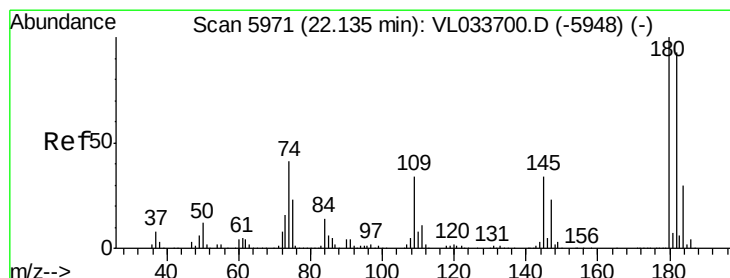
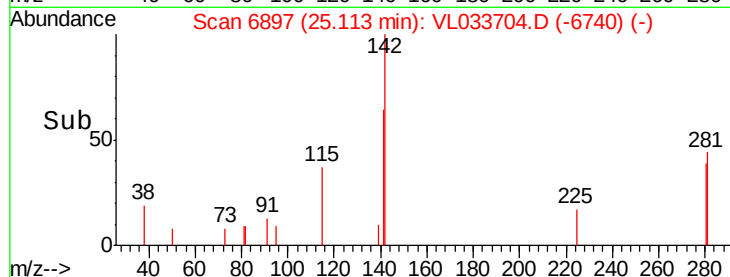
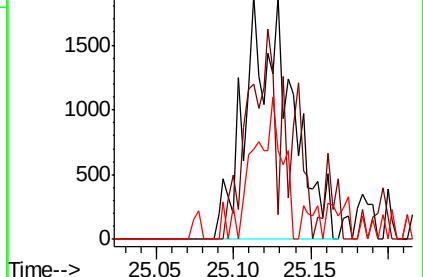
115 49.3 34.1 51.1



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: 0.035 ppbv

RT: 22.13 min Scan# 5970

Delta R.T. -0.00 min

Lab File: VL033704.D

Acq: 17 May 2019 4:34

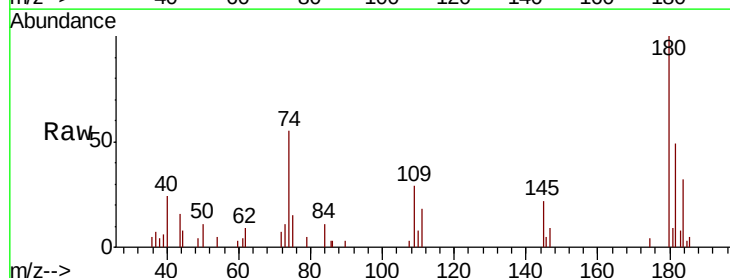
Tgt Ion:180 Resp: 7025

Ion Ratio Lower Upper

180 100

182 168.5 76.1 114.1#

184 0.0 24.6 37.0#



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

