

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
 Data File : VL033618.D
 Acq On : 1 May 2019 14:30
 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 02 04:08:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 04:03:11 2019
 QLast Update : Thu May 02 04:03:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1073338	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2518555	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2585835	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2124519	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	27004	0.167	ppbv	95
3) Chlorodifluoromethane	3.00	51	18882	0.137	ppbv	98
4) Chloromethane	3.16	50	4889	0.070	ppbv #	82
5) Vinyl Chloride	3.28	62	7986	0.109	ppbv #	81
6) Bromomethane	3.51	94	5703	0.132	ppbv #	59
7) Chloroethane	3.59	64	1231	0.050	ppbv #	58
8) Dichlorotetrafluoroethane	3.21	85	21379	0.121	ppbv	99
9) Propene	3.33	41	416	0.011	ppbv	84
10) Heptane	8.23	43	8575	0.063	ppbv	92
11) Trichlorofluoromethane	4.00	101	8145	0.042	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.54	101	13909	0.105	ppbv	99
13) Ethanol	3.63	45	258	0.015	ppbv #	38
14) Bromoethene	3.78	108	5708	0.105	ppbv #	92
16) 1,3-Butadiene	3.35	39	2962	0.050	ppbv #	7
17) tert-Butyl alcohol	4.37	59	12880	0.114	ppbv #	86
18) 1,1-Dichloroethene	4.35	96	4837	0.084	ppbv #	81
20) Methylene Chloride	4.40	84	5937	0.117	ppbv #	53
21) Allyl Chloride	4.47	41	8040	0.098	ppbv	92
22) trans-1,2-Dichloroethene	4.95	96	3959	0.071	ppbv #	34
23) Vinyl Acetate	5.14	43	4005	0.021	ppbv #	68
24) 1,1-Dichloroethane	5.08	63	6310	0.044	ppbv	95
25) Ethyl Acetate	5.77	43	22873	0.092	ppbv #	93
26) Hexane	5.76	57	4455	0.043	ppbv #	1
27) Carbon Disulfide	4.61	76	10066	0.080	ppbv #	11
28) Methyl tert-Butyl Ether	5.12	73	14916	0.085	ppbv	94
29) Chloroform	5.84	83	21126	0.110	ppbv	97
30) Cyclohexane	7.23	84	1006	0.011	ppbv #	1
31) cis-1,2-Dichloroethene	5.63	61	3556	0.034	ppbv #	69
32) 1,1,1-Trichloroethane	6.62	97	5570	0.028	ppbv #	1
34) 2-Butanone	5.34	43	13952	0.090	ppbv	95
35) Carbon Tetrachloride	7.12	117	19983	0.100	ppbv #	95
36) Benzene	6.99	78	17973	0.084	ppbv #	93
37) 1,2-Dichloroethane	6.39	62	6508	0.046	ppbv #	84
38) Trichloroethene	7.94	130	4192	0.049	ppbv #	79
39) 1,2-Dichloropropane	7.72	63	7819	0.097	ppbv #	85
40) 1,4-Dioxane	7.98	88	935	0.028	ppbv #	1
41) Tetrahydrofuran	6.16	42	1800	0.022	ppbv #	36
42) Bromodichloromethane	7.90	83	16520	0.086	ppbv	91
43) Methyl Methacrylate	8.13	69	2280	0.028	ppbv #	1
44) 2,2,4-Trimethylpentane	7.97	57	12840	0.034	ppbv #	43
45) t-1,3-Dichloropropene	9.40	75	2361	0.022	ppbv	89

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 ClientSampleId :
 VSTDIC0.1

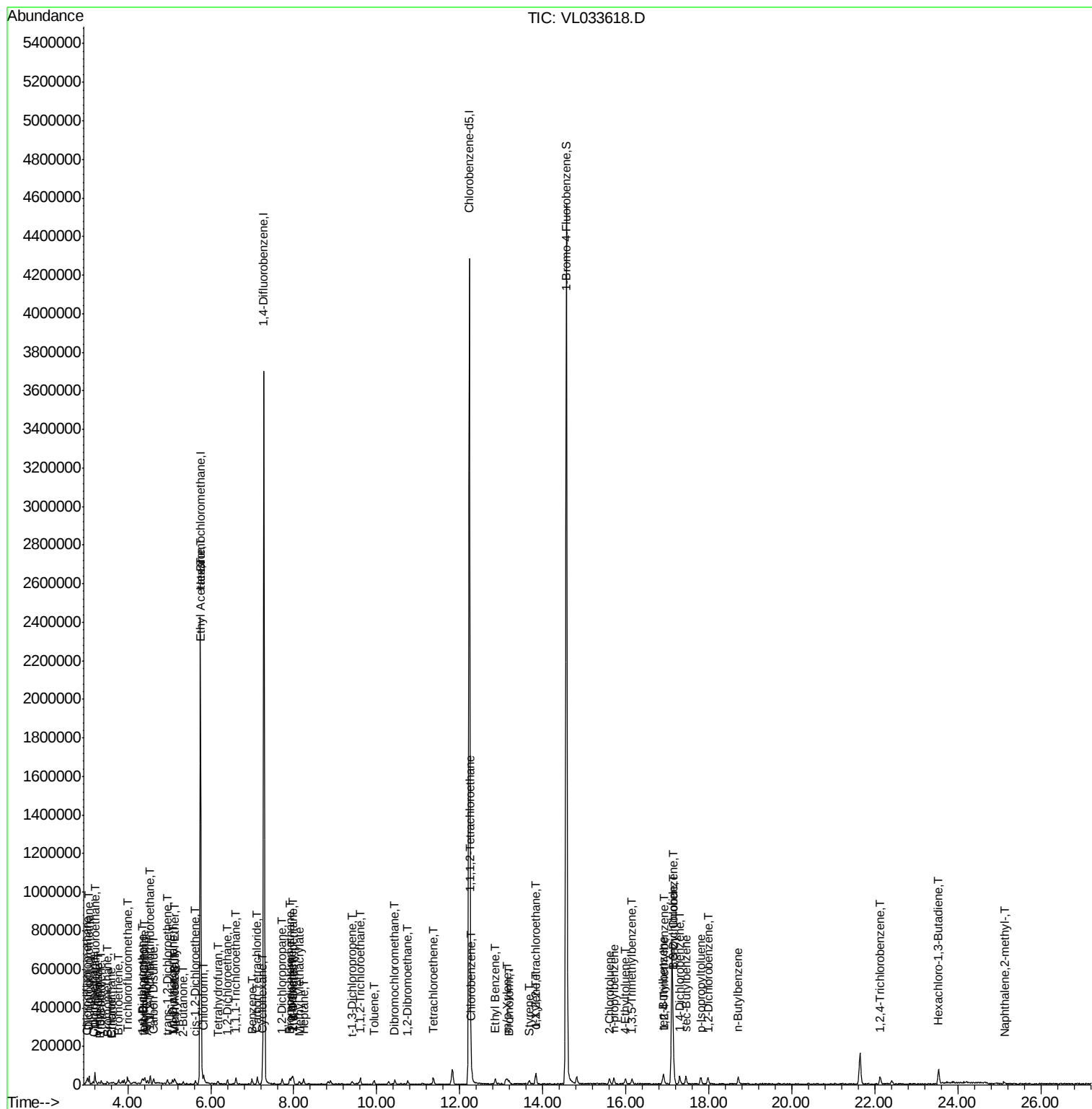
Quant Time: May 02 04:08:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 04:03:11 2019
 QLast Update : Thu May 02 04:03:11 2019
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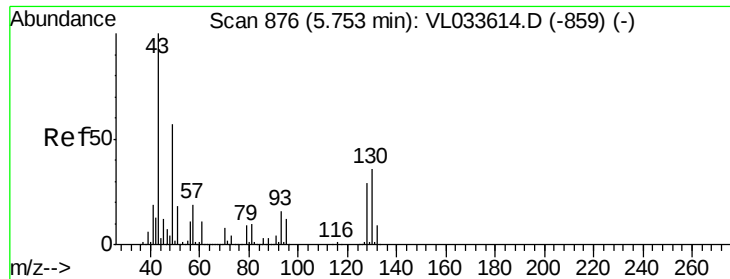
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.60	97	6921	0.066	ppbv #	90
48) Dibromochloromethane	10.43	129	9562	0.054	ppbv	88
49) Bromoform	13.17	173	3012	0.022	ppbv #	27
52) Tetrachloroethene	11.36	164	2311	0.028	ppbv #	30
53) Toluene	9.93	91	7153	0.026	ppbv #	23
54) 1,2-Dibromoethane	10.74	107	3378	0.023	ppbv #	67
56) 1,1,1,2-Tetrachloroethane	12.26	131	4075	0.036	ppbv #	11
57) Chlorobenzene	12.29	112	15677	0.078	ppbv #	78
58) Ethyl Benzene	12.85	91	20462	0.068	ppbv	96
59) m/p-Xylene	13.13	91	4163	0.016	ppbv #	100
60) o-Xylene	13.84	91	13610	0.052	ppbv	91
61) Styrene	13.67	104	3070	0.017	ppbv #	27
63) 1,1,2,2-Tetrachloroethane	13.82	83	20554	0.100	ppbv	96
64) n-propylbenzene	15.71	120	1343	0.015	ppbv #	1
65) tert-Butylbenzene	16.89	119	5095	0.016	ppbv #	1
66) Benzyl Chloride	17.15	91	7653	0.052	ppbv #	88
67) sec-Butylbenzene	17.45	105	24366	0.053	ppbv	93
69) p-Isopropyltoluene	17.80	119	9064	0.024	ppbv #	26
70) n-Butylbenzene	18.70	91	13359	0.032	ppbv #	51
71) 2-Chlorotoluene	15.60	91	6838	0.026	ppbv #	45
72) 4-Ethyltoluene	15.99	105	6628	0.022	ppbv #	19
73) 1,3,5-Trimethylbenzene	16.14	105	4094	0.014	ppbv #	74
74) 1,2,4-Trimethylbenzene	16.92	105	7992	0.024	ppbv #	72
75) 1,3-Dichlorobenzene	17.15	146	6869	0.034	ppbv #	1
76) 1,4-Dichlorobenzene	17.29	146	9916	0.051	ppbv #	26
77) 1,2-Dichlorobenzene	17.97	146	6260	0.033	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.53	225	11108	0.077	ppbv #	36
80) Naphthalene,2-methyl-	25.12	142	6058	0.046	ppbv	94
81) 1,2,4-Trichlorobenzene	22.13	180	6231	0.036	ppbv #	1

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

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Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_L\DATA\VL050119\  
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ALS Vial  : 1 Sample Multiplier: 1
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Quant Time: May 02 04:08:42 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 04:03:11 2019
QLast Update : Thu May 02 04:03:11 2019
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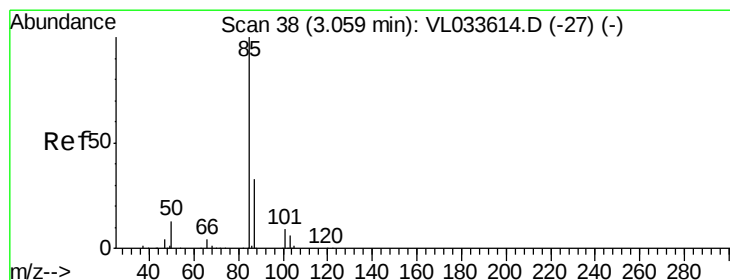
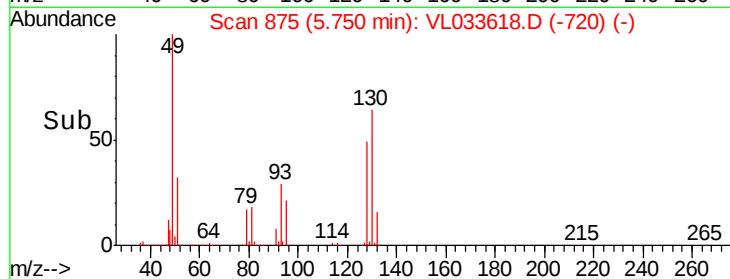
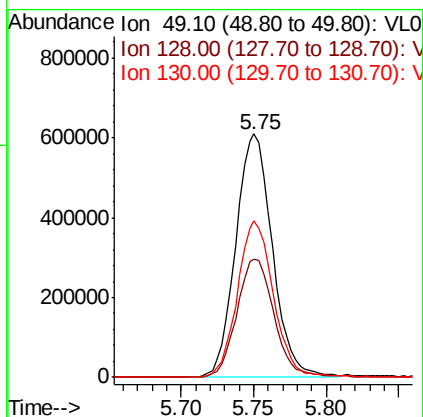
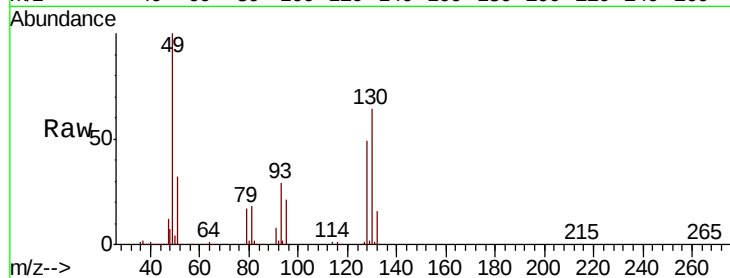




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

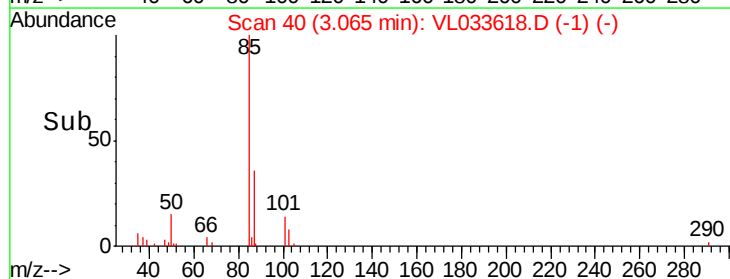
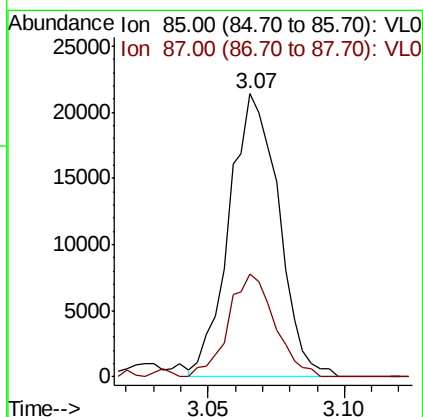
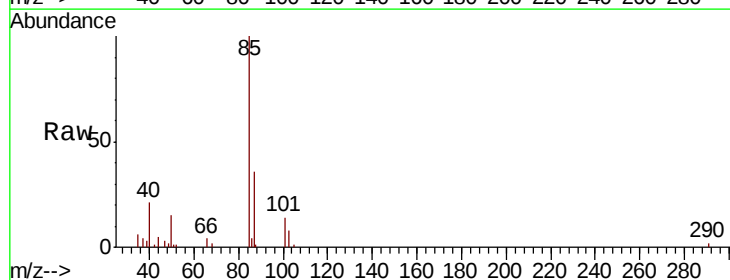
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

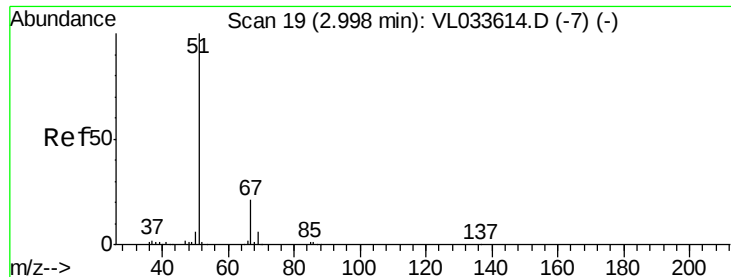
Tgt Ion: 49 Resp: 1073338
 Ion Ratio Lower Upper
 49 100
 128 49.3 25.0 75.0
 130 64.0 31.9 95.9



#2
 Dichlorodifluoromethane
 Concen: 0.167 ppbv
 RT: 3.07 min Scan# 40
 Delta R.T. 0.01 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

Tgt Ion: 85 Resp: 27004
 Ion Ratio Lower Upper
 85 100
 87 36.2 26.8 40.2





#3

Chlorodifluoromethane

Concen: 0.137 ppbv

RT: 3.00 min Scan# 21

Delta R.T. 0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

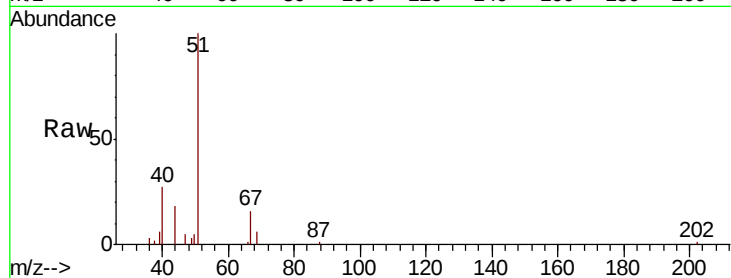
VSTDIC0.1

Tgt Ion: 51 Resp: 18882

Ion Ratio Lower Upper

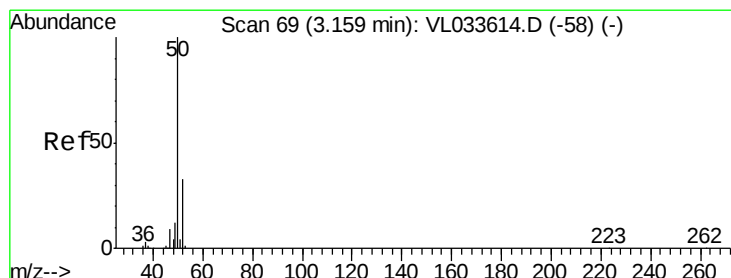
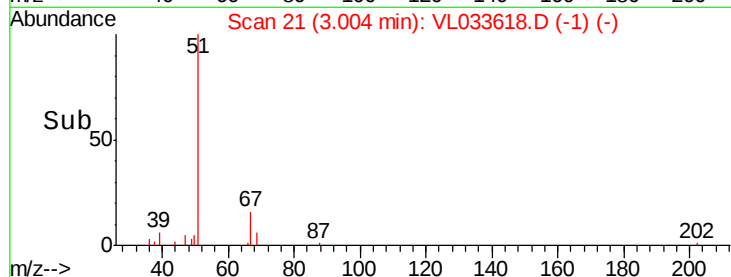
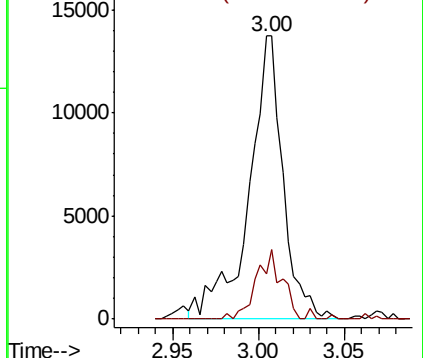
51 100

67 18.8 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.070 ppbv

RT: 3.16 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL033618.D

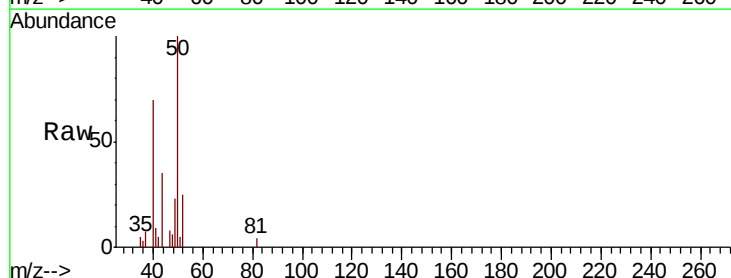
Acq: 1 May 2019 14:30

Tgt Ion: 50 Resp: 4889

Ion Ratio Lower Upper

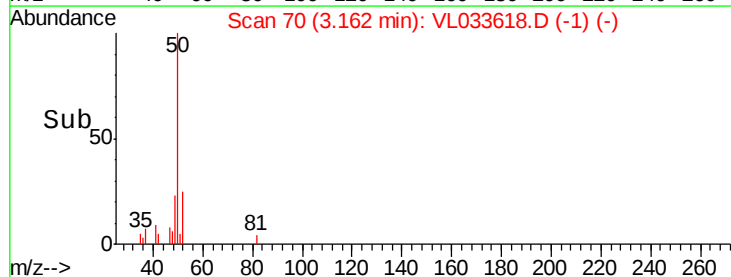
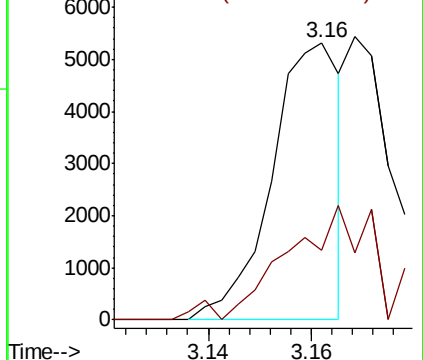
50 100

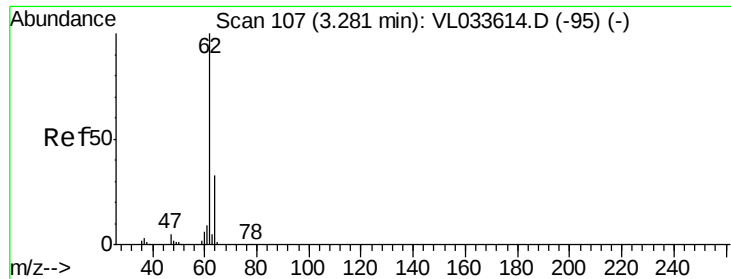
52 22.2 26.0 39.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.109 ppbv

RT: 3.28 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

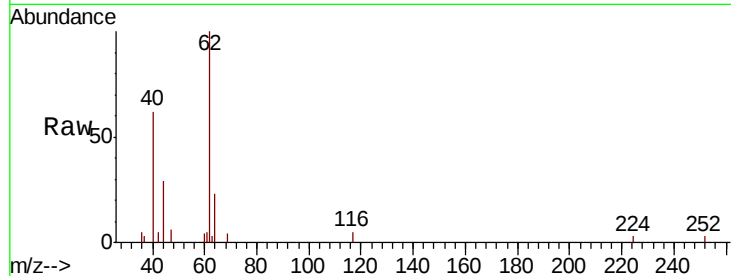
VSTDIC0.1

Tgt Ion: 62 Resp: 7986

Ion Ratio Lower Upper

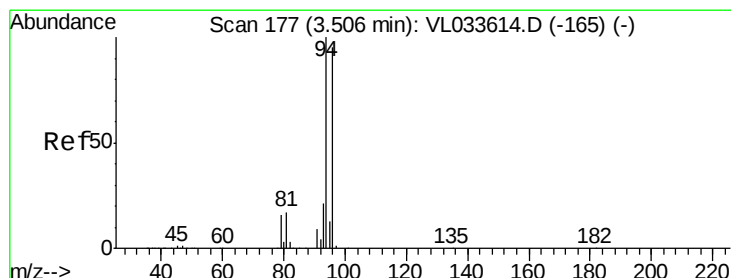
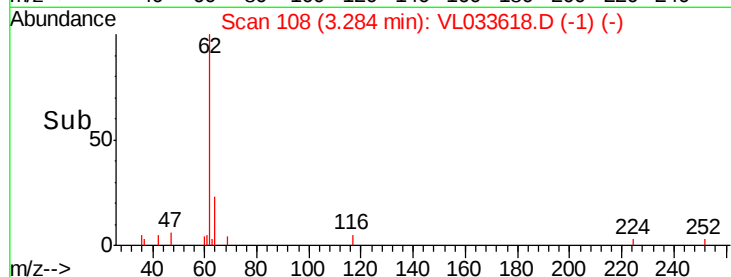
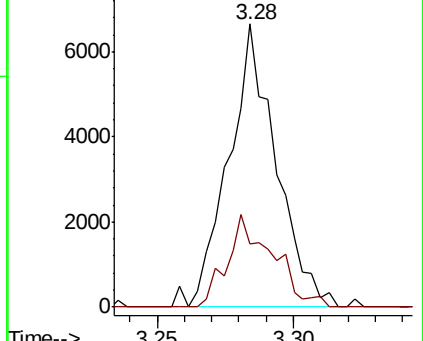
62 100

64 22.2 26.2 39.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.132 ppbv

RT: 3.51 min Scan# 177

Delta R.T. 0.00 min

Lab File: VL033618.D

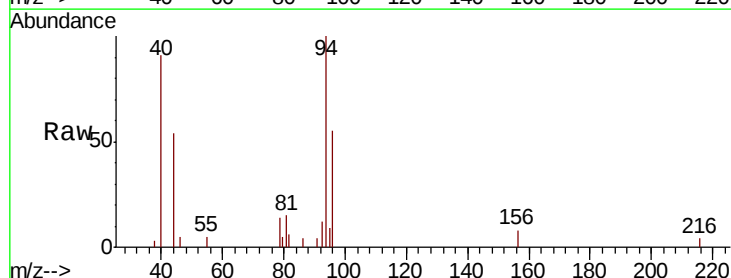
Acq: 1 May 2019 14:30

Tgt Ion: 94 Resp: 5703

Ion Ratio Lower Upper

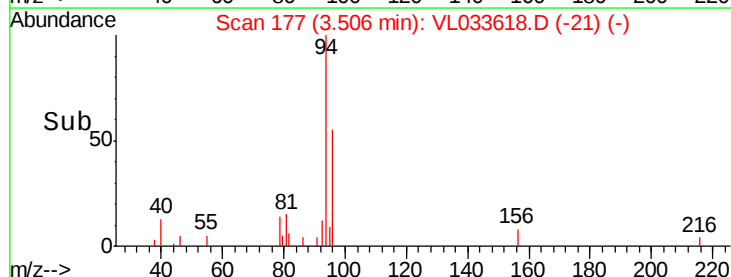
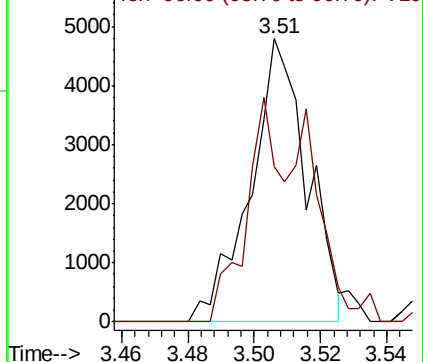
94 100

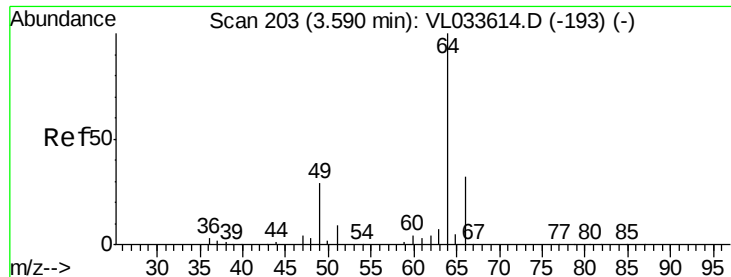
96 54.9 75.7 113.5#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.050 ppbv

RT: 3.59 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

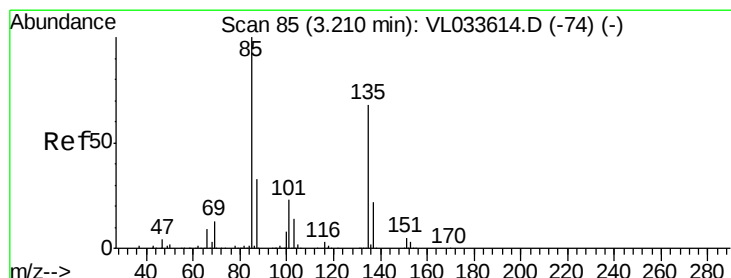
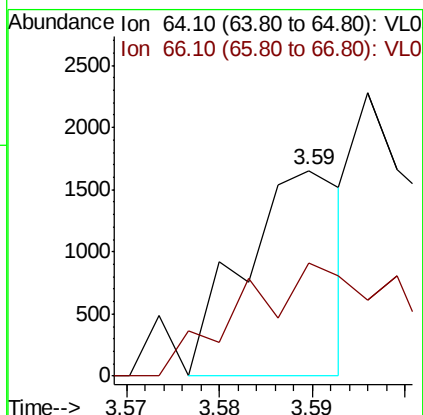
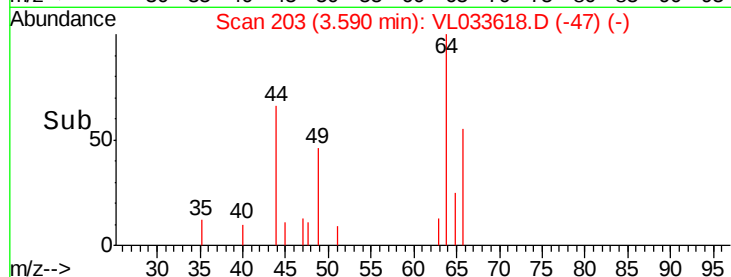
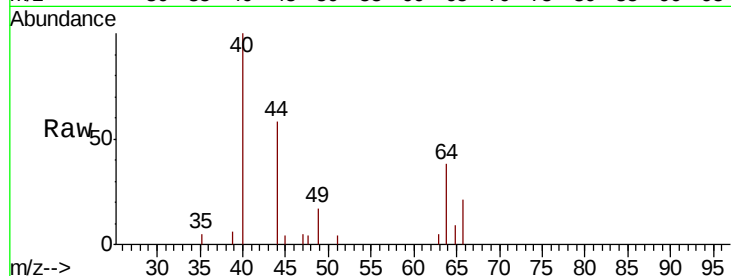
VSTDIC0.1

Tgt Ion: 64 Resp: 1231

Ion Ratio Lower Upper

64 100

66 55.0 25.4 38.2#



#8

Dichlorotetrafluoroethane

Concen: 0.121 ppbv

RT: 3.21 min Scan# 85

Delta R.T. 0.00 min

Lab File: VL033618.D

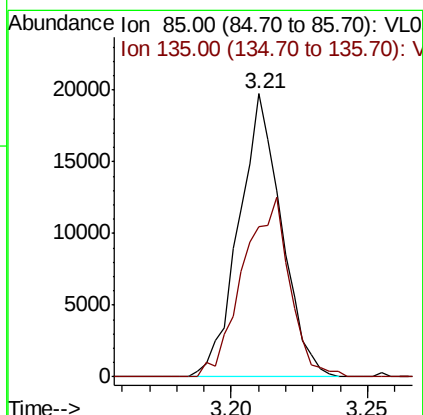
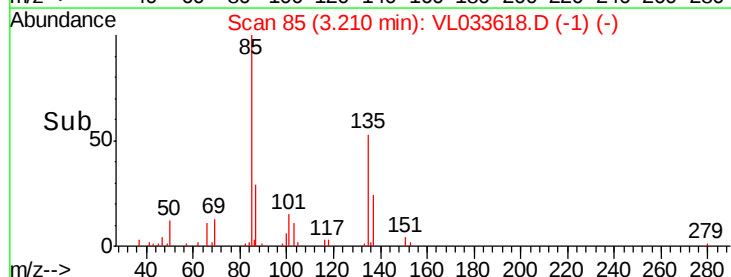
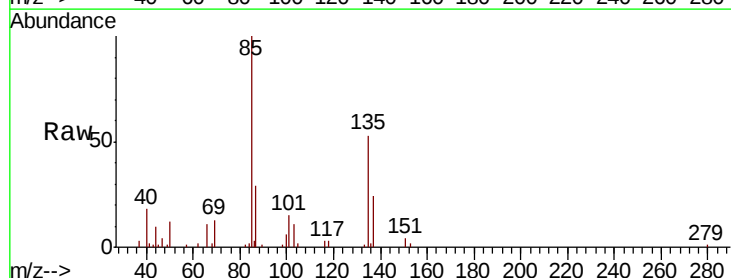
Acq: 1 May 2019 14:30

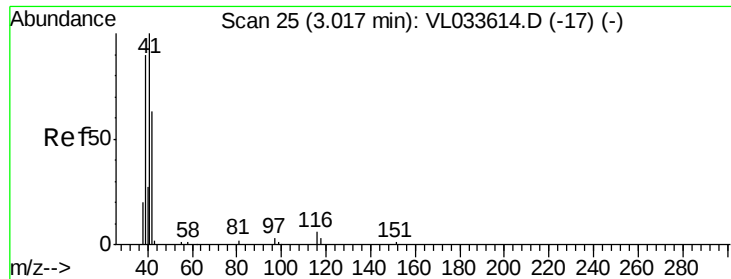
Tgt Ion: 85 Resp: 21379

Ion Ratio Lower Upper

85 100

135 69.5 55.0 82.6





#9

Propene

Concen: 0.011 ppbv

RT: 3.33 min Scan# 123

Delta R.T. 0.32 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

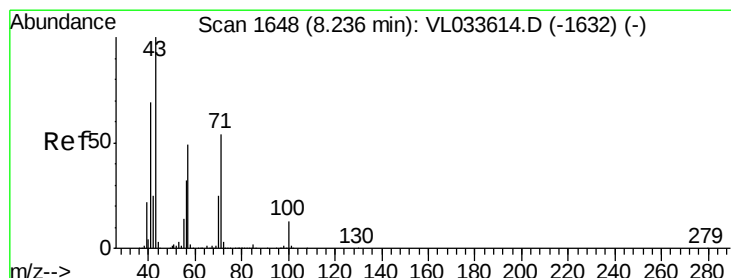
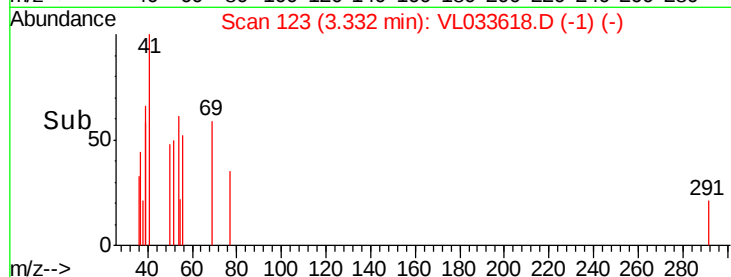
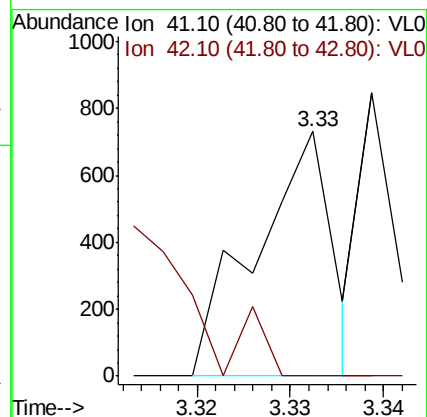
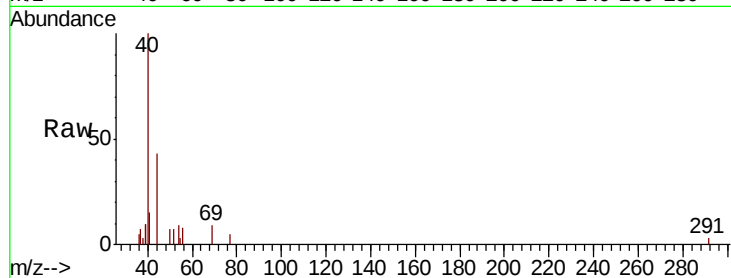
VSTDIC0.1

Tgt Ion: 41 Resp: 416

Ion Ratio Lower Upper

41 100

42 68.0 66.0 99.0



#10

Heptane

Concen: 0.063 ppbv

RT: 8.23 min Scan# 1647

Delta R.T. -0.00 min

Lab File: VL033618.D

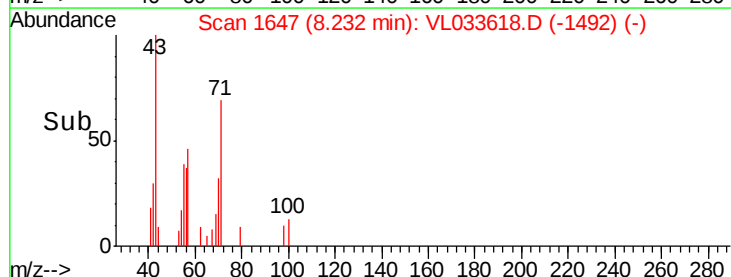
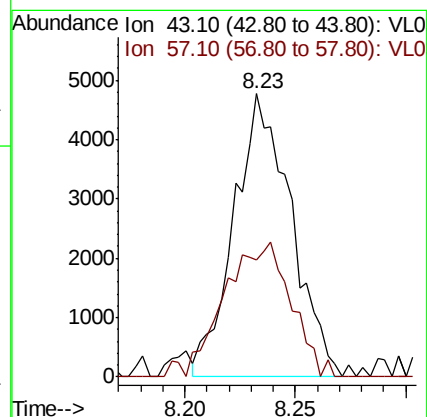
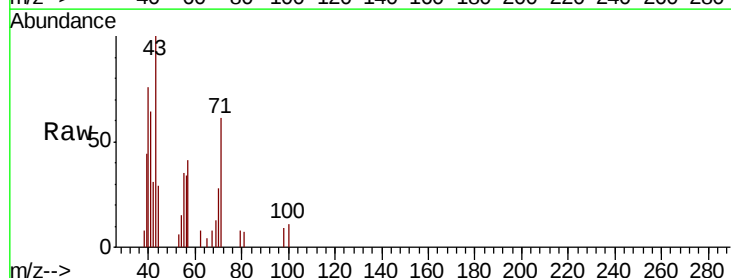
Acq: 1 May 2019 14:30

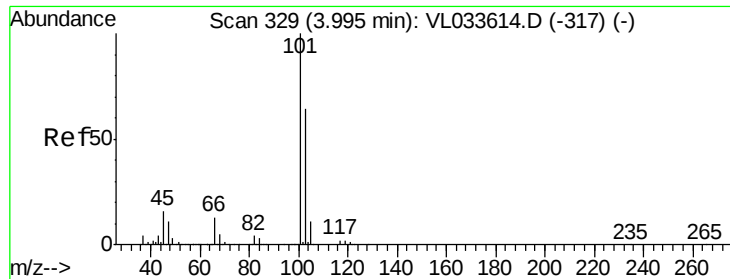
Tgt Ion: 43 Resp: 8575

Ion Ratio Lower Upper

43 100

57 56.1 40.3 60.5

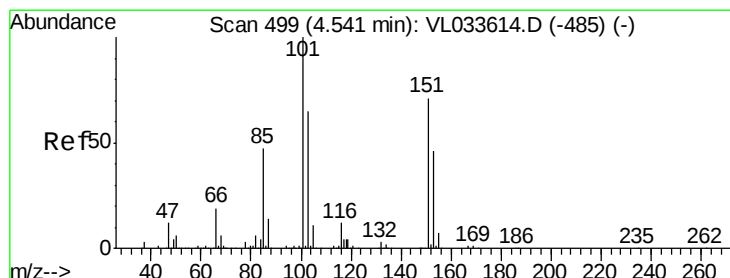
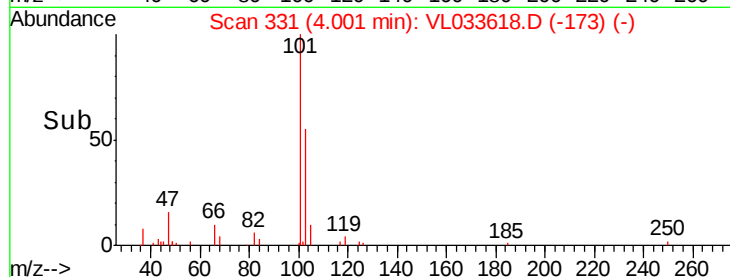
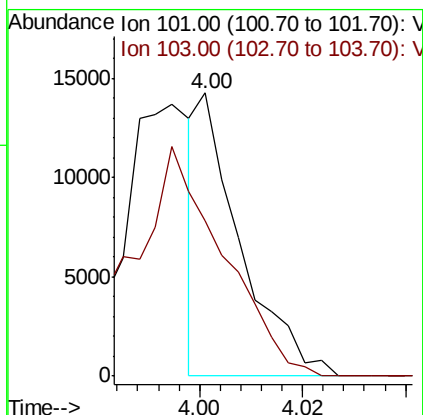
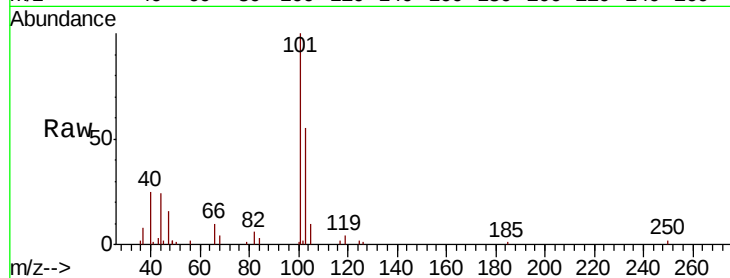




#11
 Trichlorofluoromethane
 Concen: 0.042 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

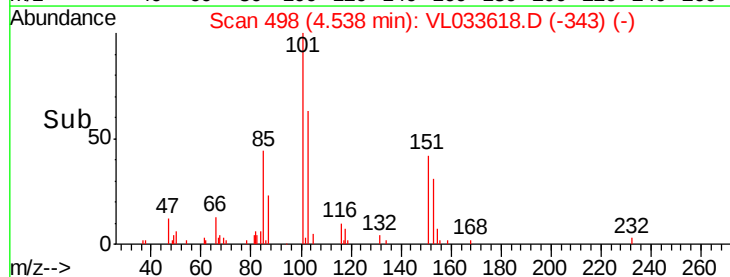
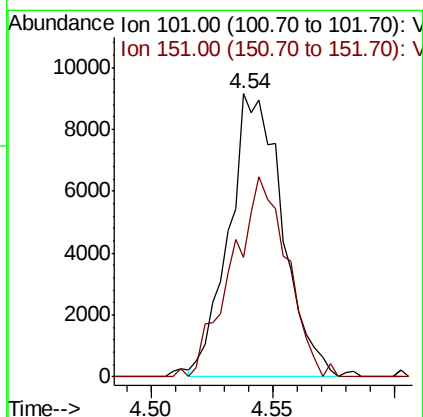
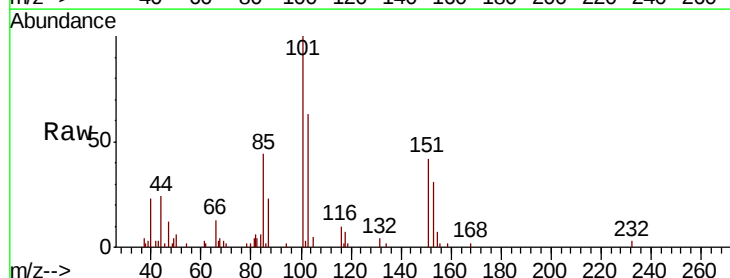
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

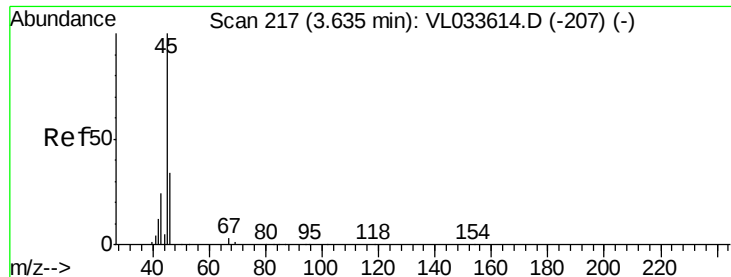
Tgt Ion:101 Resp: 8145
 Ion Ratio Lower Upper
 101 100
 103 54.8 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.105 ppbv
 RT: 4.54 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

Tgt Ion:101 Resp: 13909
 Ion Ratio Lower Upper
 101 100
 151 73.3 59.2 88.8





#13

Ethanol

Concen: 0.015 ppbv

RT: 3.63 min Scan# 215

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

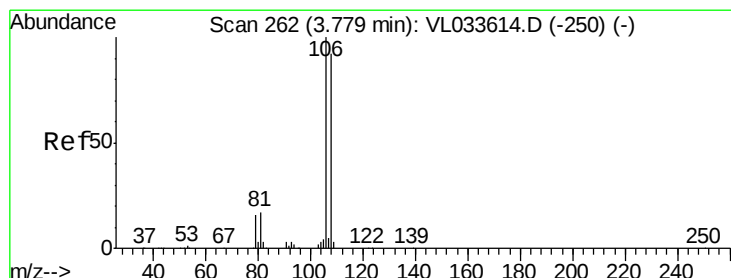
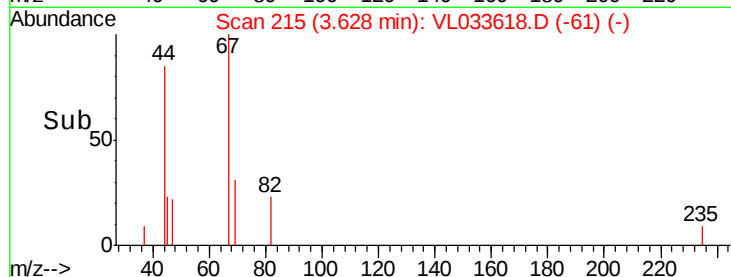
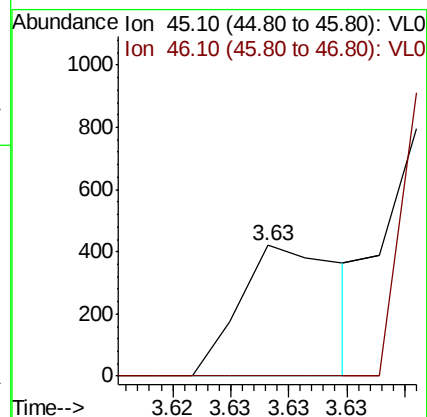
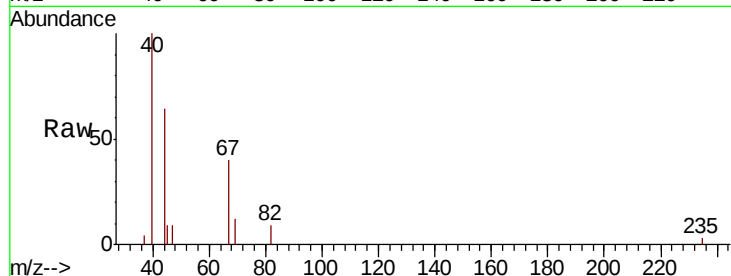
VSTDIC0.1

Tgt Ion: 45 Resp: 258

Ion Ratio Lower Upper

45 100

46 0.0 14.6 58.2#



#14

Bromoethene

Concen: 0.105 ppbv

RT: 3.78 min Scan# 262

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

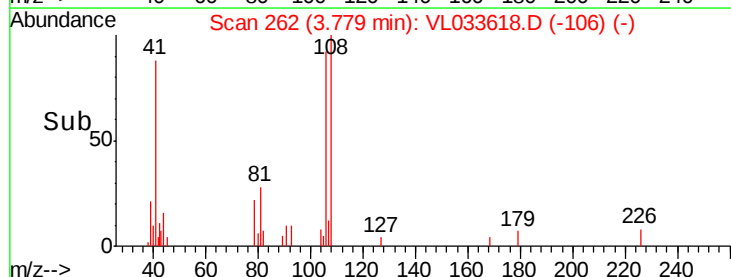
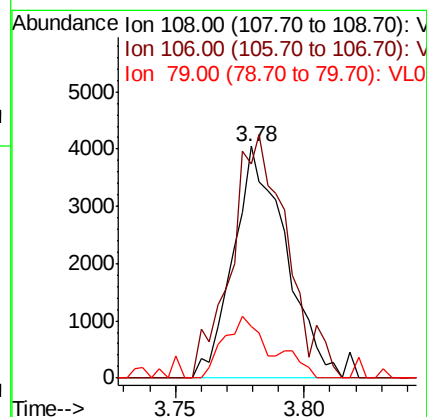
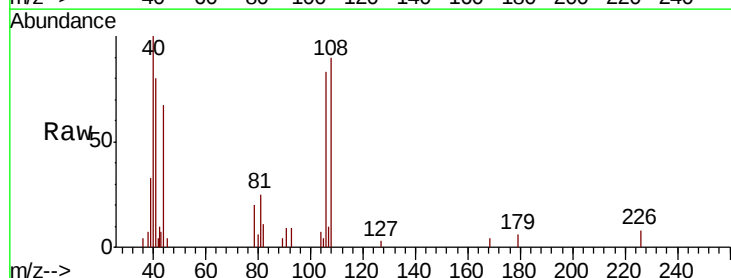
Tgt Ion: 108 Resp: 5708

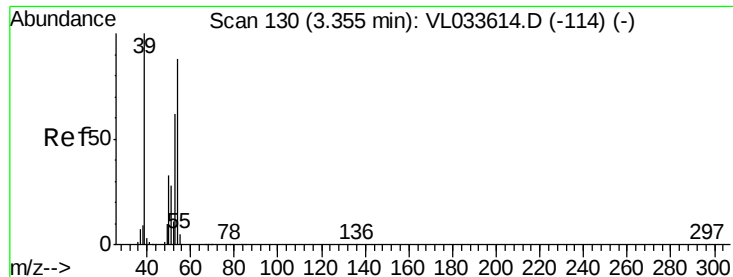
Ion Ratio Lower Upper

108 100

106 112.2 84.6 127.0

79 27.5 14.4 21.6#

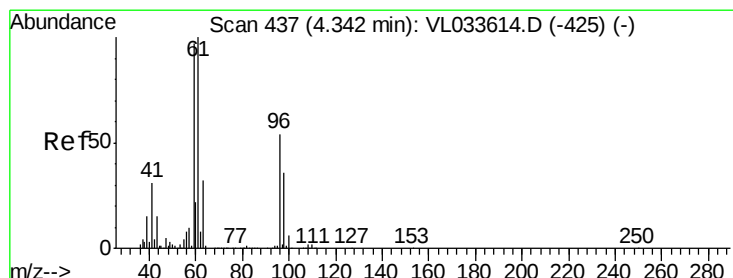
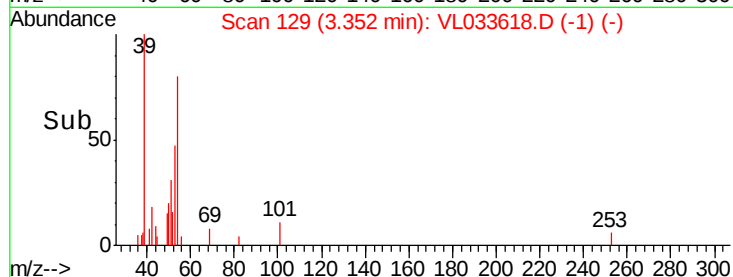
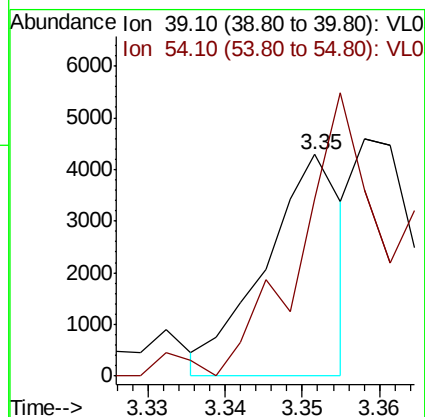
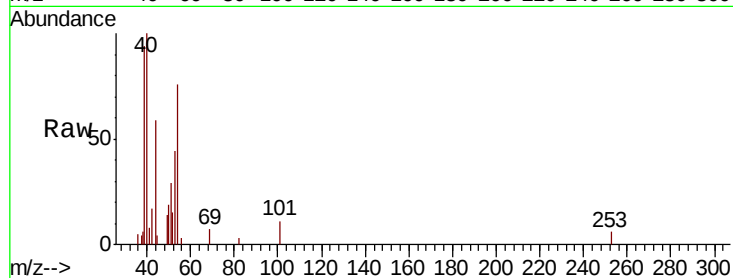




#16
 1,3-Butadiene
 Concen: 0.050 ppbv
 RT: 3.35 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

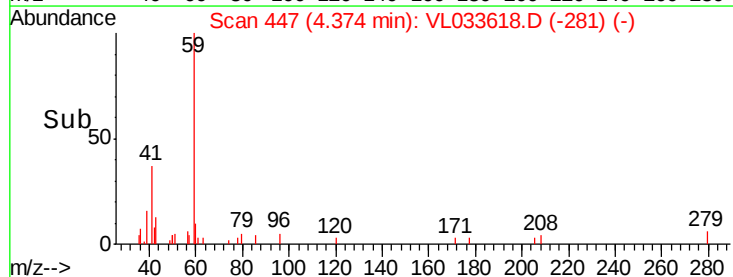
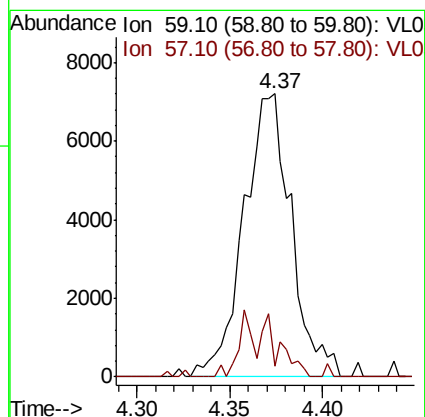
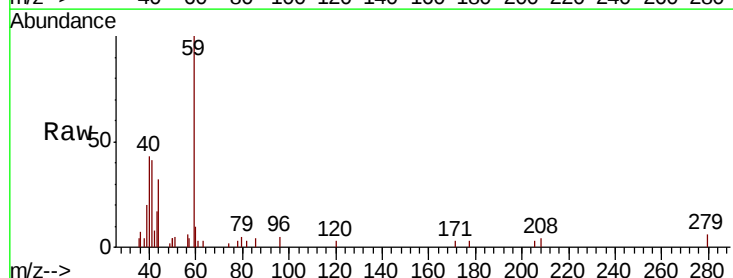
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

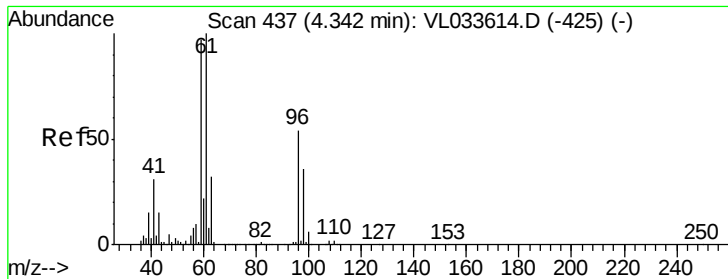
Tgt Ion: 39 Resp: 2962
 Ion Ratio Lower Upper
 39 100
 54 0.0 68.4 102.6#



#17
 tert-Butyl alcohol
 Concen: 0.114 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. 0.03 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

Tgt Ion: 59 Resp: 12880
 Ion Ratio Lower Upper
 59 100
 57 15.8 8.4 12.6#





#18

1,1-Dichloroethene

Concen: 0.084 ppbv

RT: 4.35 min Scan# 438

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

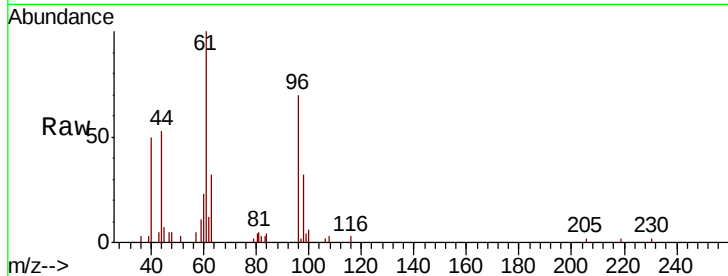
Tgt Ion: 96 Resp: 4837

Ion Ratio Lower Upper

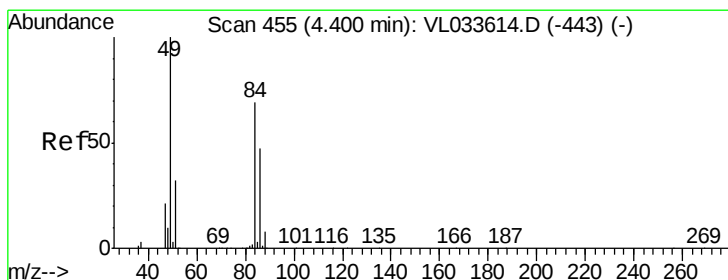
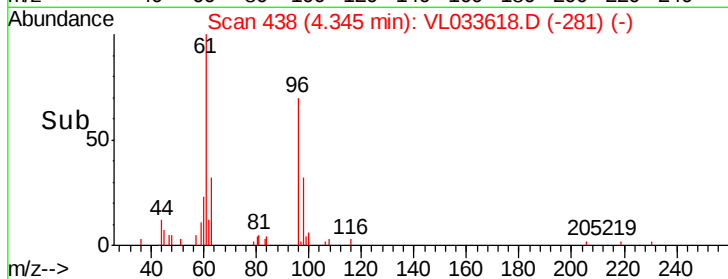
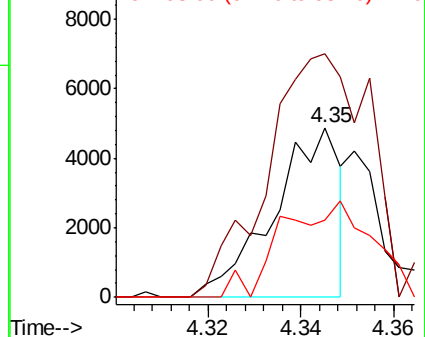
96 100

61 160.2 147.3 220.9

98 45.4 53.6 80.4#



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



#20

Methylene Chloride

Concen: 0.117 ppbv

RT: 4.40 min Scan# 456

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion: 84 Resp: 5937

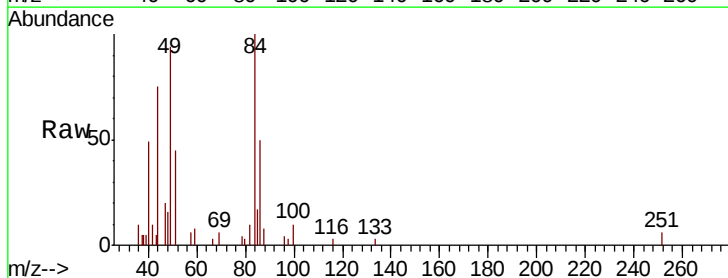
Ion Ratio Lower Upper

84 100

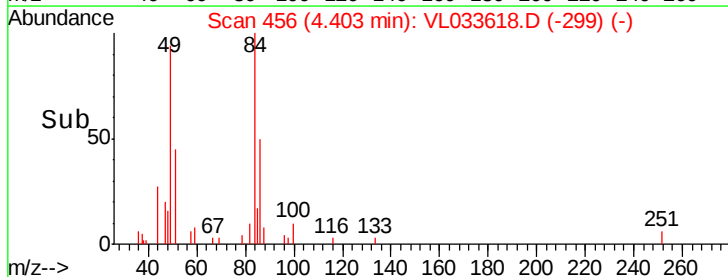
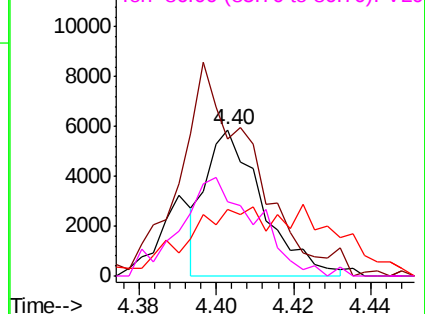
49 77.6 116.2 174.2#

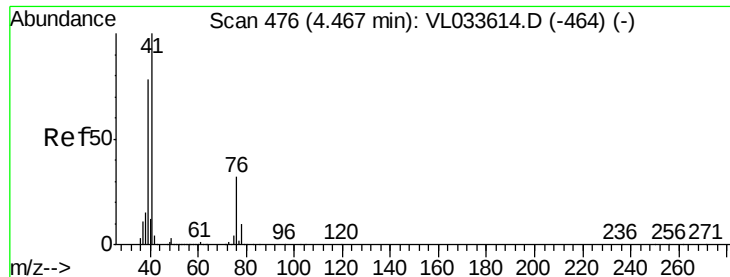
51 20.6 37.0 55.6#

86 37.3 54.0 81.0#



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: 0.098 ppbv

RT: 4.47 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

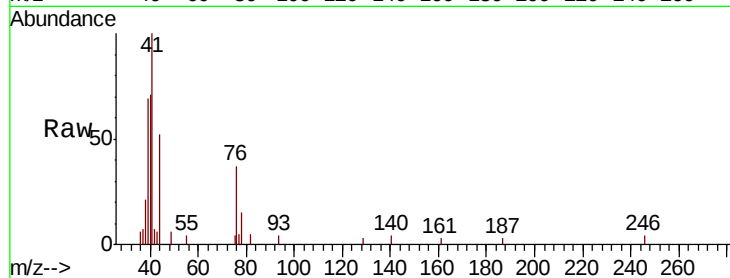
Tgt Ion: 41 Resp: 8040

Ion Ratio Lower Upper

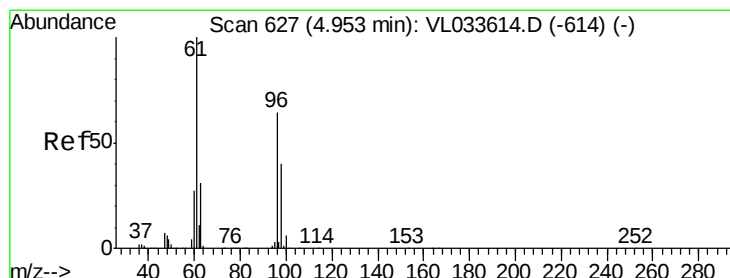
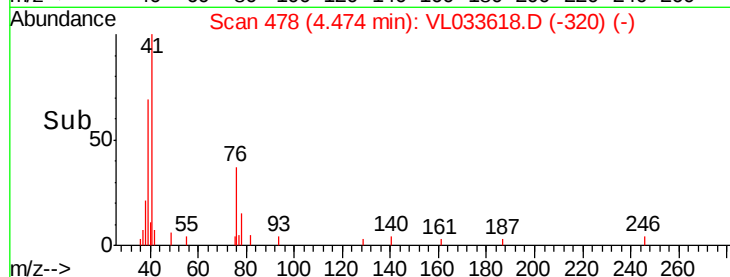
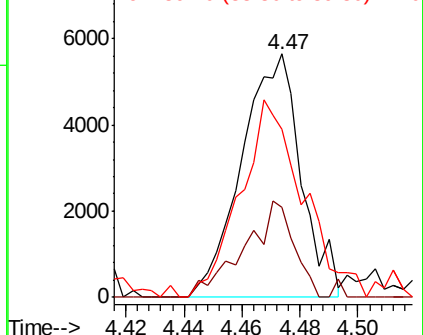
41 100

76 34.3 25.0 37.6

39 88.7 64.6 96.8



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: 0.071 ppbv

RT: 4.95 min Scan# 627

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

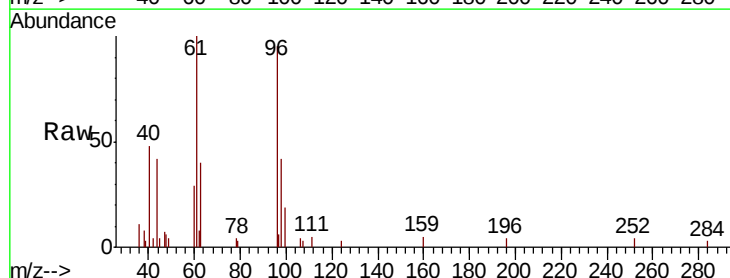
Tgt Ion: 96 Resp: 3959

Ion Ratio Lower Upper

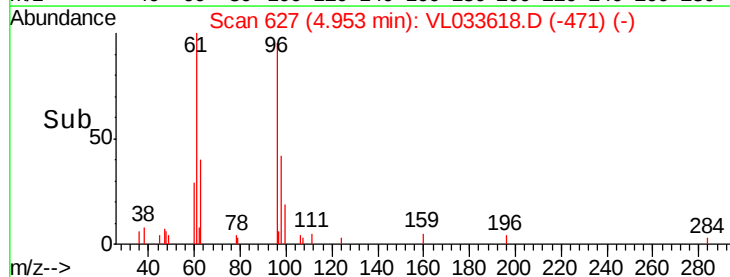
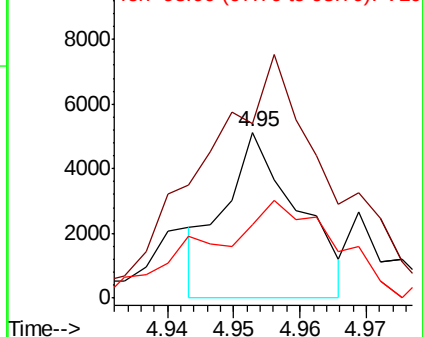
96 100

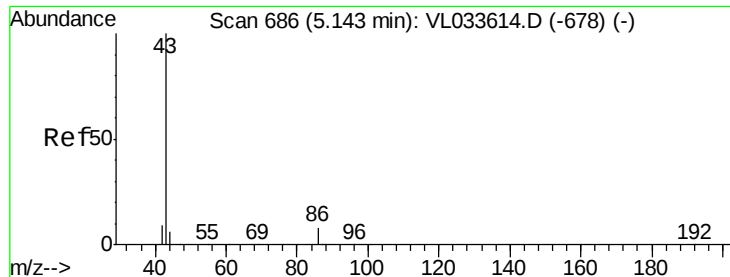
61 63.3 124.9 187.3#

98 21.5 50.5 75.7#



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





#23

Vinyl Acetate

Concen: 0.021 ppbv

RT: 5.14 min Scan# 684

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 43 Resp: 4005

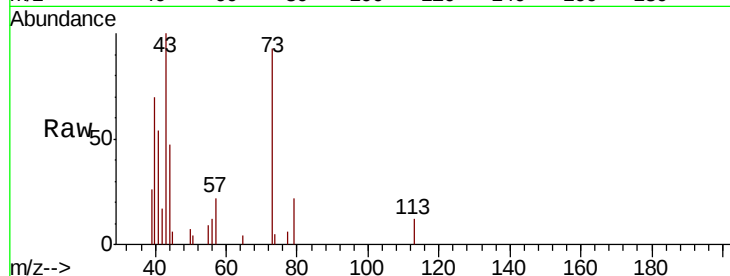
Ion Ratio Lower Upper

43 100

86 0.0 5.8 8.8#

42 17.8 7.8 11.8#

44 27.0 4.6 7.0#

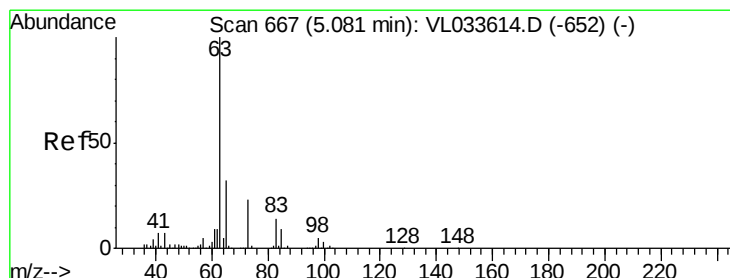
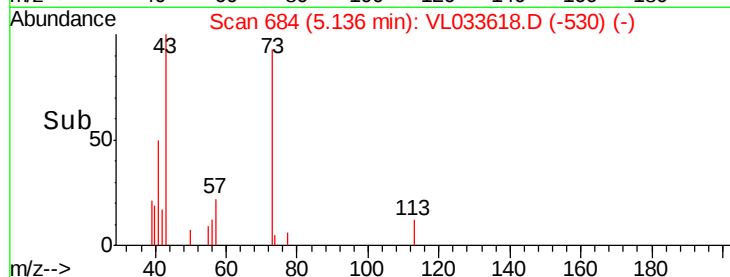
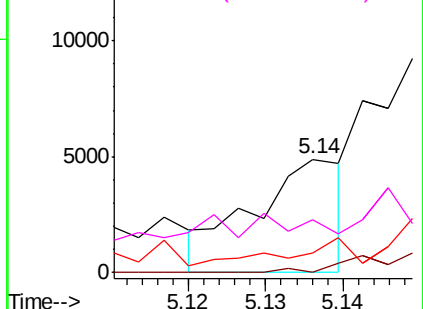


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.044 ppbv

RT: 5.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

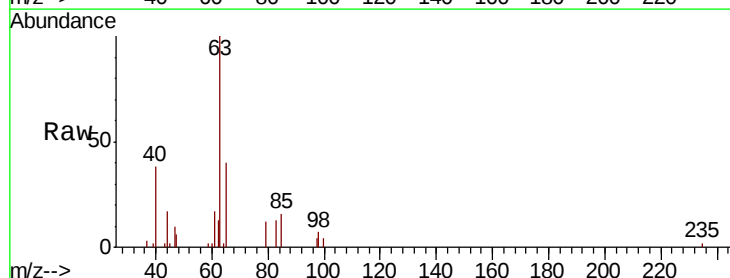
Tgt Ion: 63 Resp: 6310

Ion Ratio Lower Upper

63 100

98 6.5 2.4 7.2

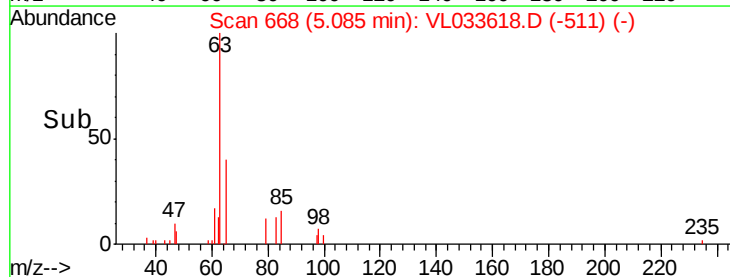
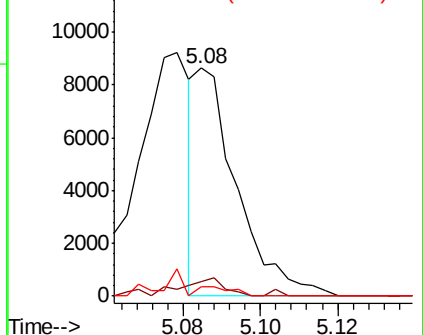
100 3.9 1.4 4.0

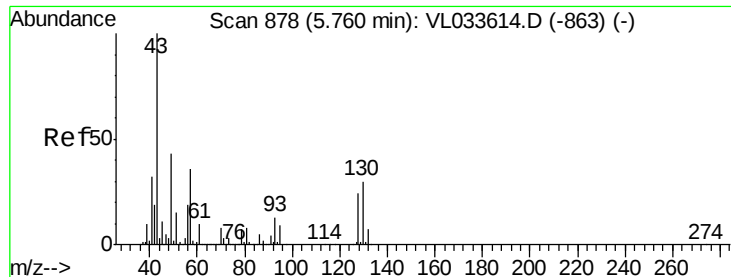


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

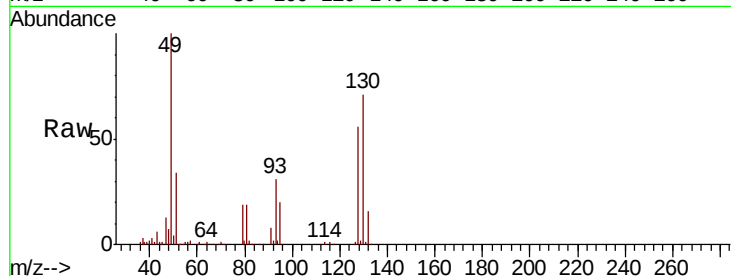




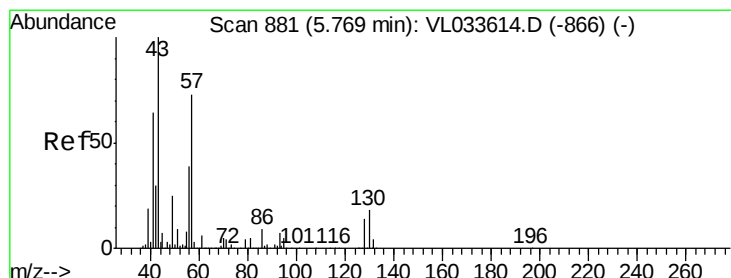
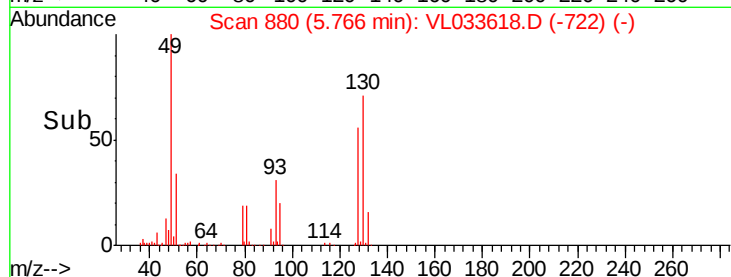
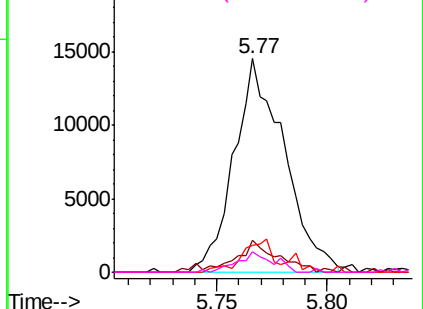
#25
Ethyl Acetate
Concen: 0.092 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.01 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:	43	Resp:	22873
Ion	Ratio	Lower	Upper
43	100		
45	13.9	8.1	12.1#
61	12.0	7.5	11.3#
70	7.0	5.8	8.6

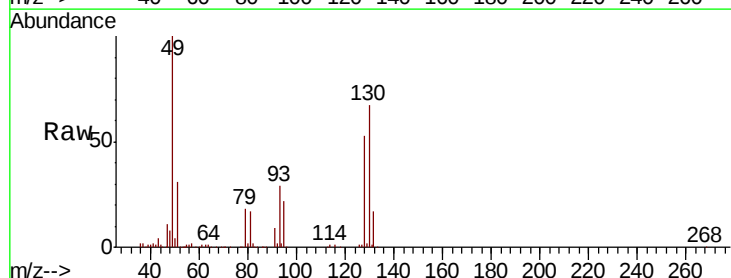


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

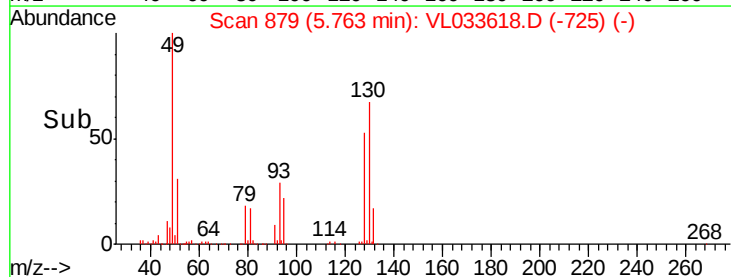
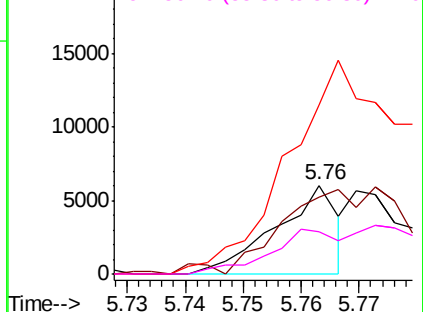


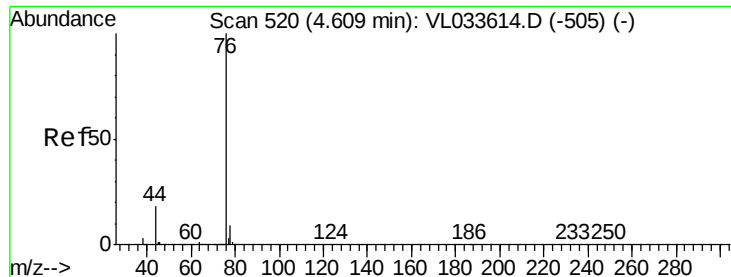
#26
Hexane
Concen: 0.043 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Tgt Ion:	57	Resp:	4455
Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.6	106.0#
43	0.0	186.0	279.0#
56	0.0	42.7	64.1#



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





#27

Carbon Disulfide

Concen: 0.080 ppbv

RT: 4.61 min Scan# 520

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

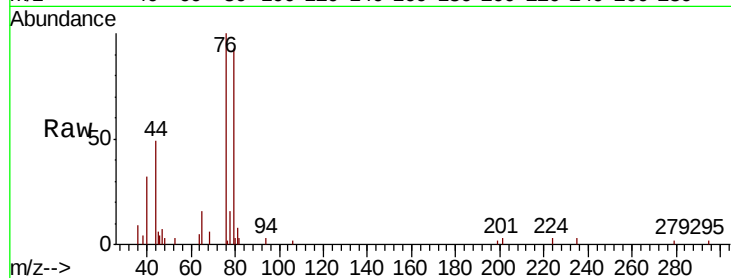
Tgt Ion: 76 Resp: 10066

Ion Ratio Lower Upper

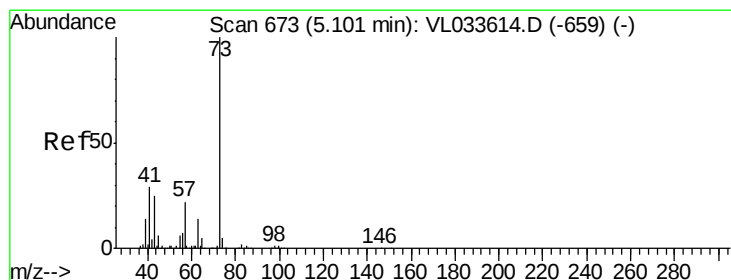
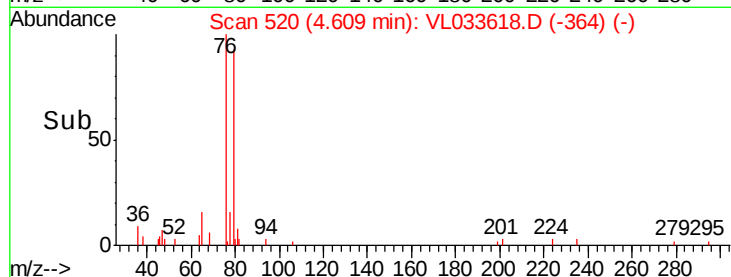
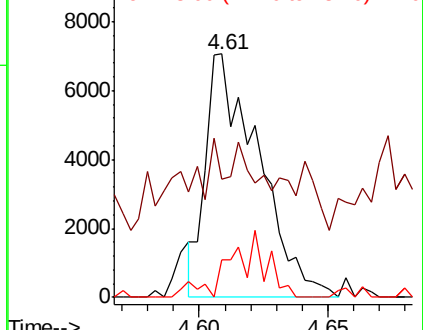
76 100

44 71.6 14.3 21.5#

78 18.9 7.5 11.3#



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: 0.085 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.02 min

Lab File: VL033618.D

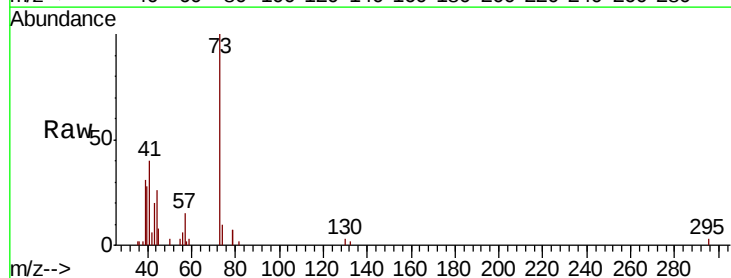
Acq: 1 May 2019 14:30

Tgt Ion: 73 Resp: 14916

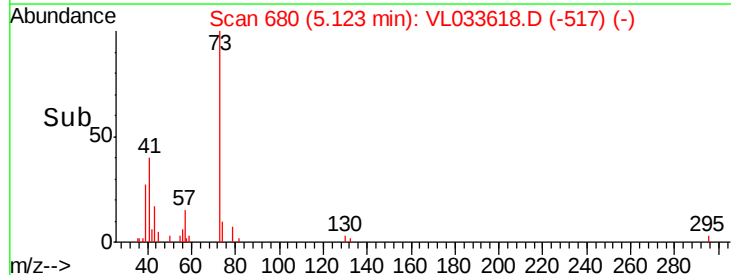
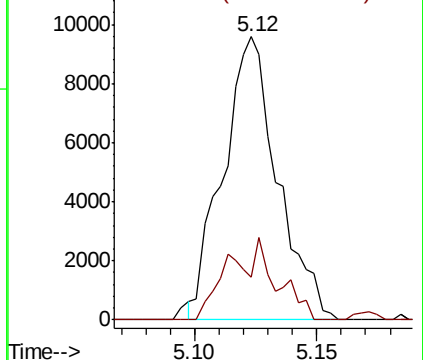
Ion Ratio Lower Upper

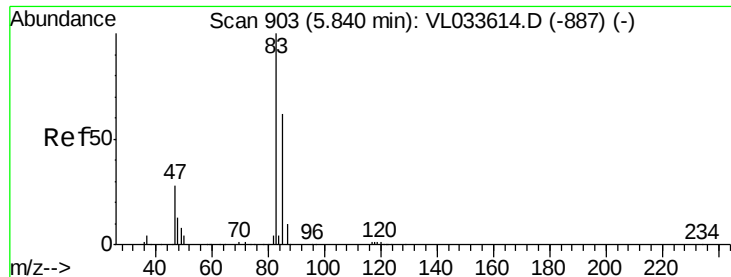
73 100

57 25.1 17.8 26.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

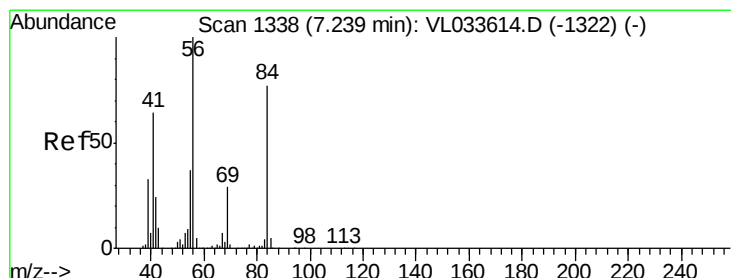
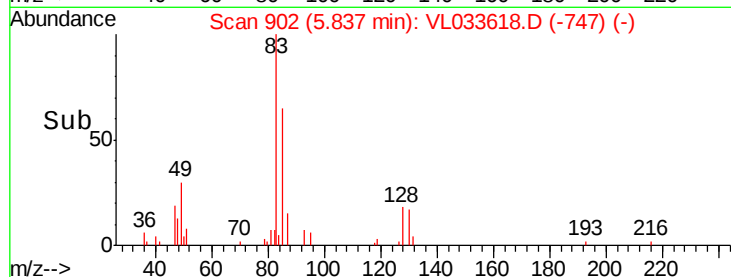
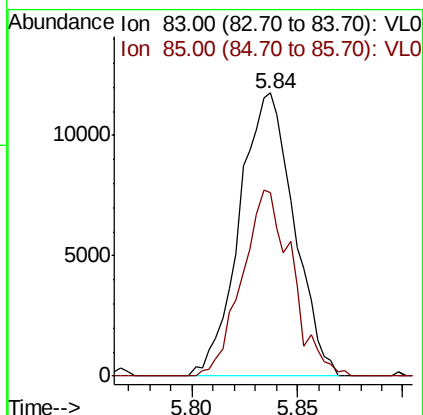
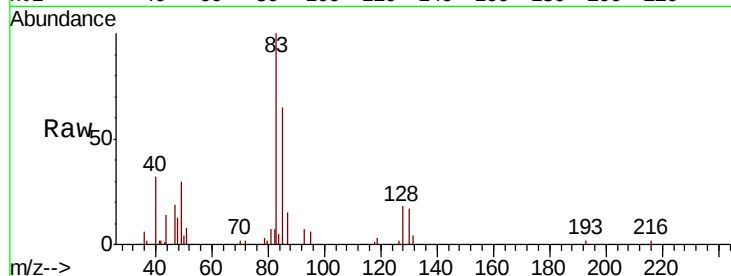




#29
Chloroform
Concen: 0.110 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

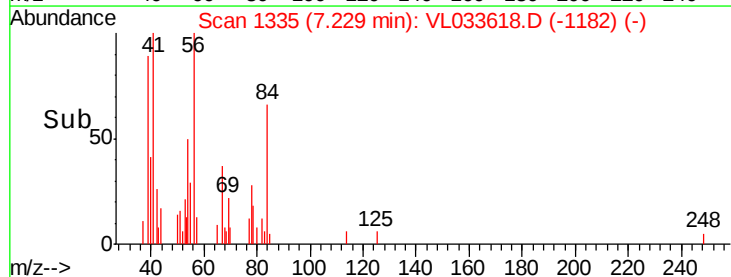
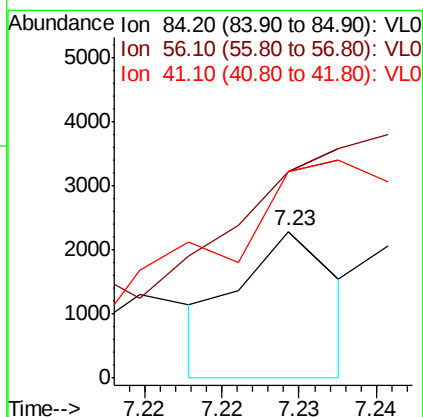
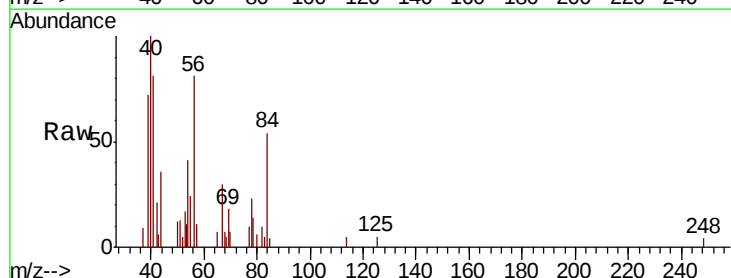
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

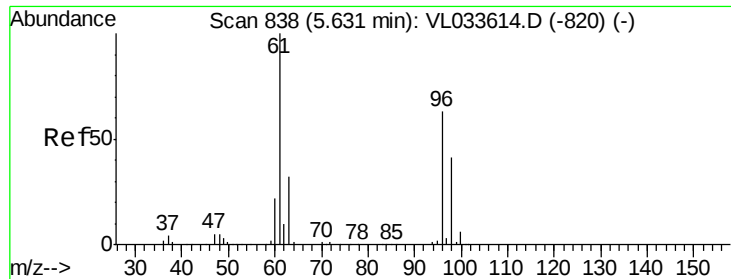
Tgt Ion: 83 Resp: 21126
Ion Ratio Lower Upper
83 100
85 64.9 49.9 74.9



#30
Cyclohexane
Concen: 0.011 ppbv
RT: 7.23 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Tgt Ion: 84 Resp: 1006
Ion Ratio Lower Upper
84 100
56 0.0 108.4 162.6#
41 644.0 67.0 100.4#





#31

cis-1,2-Dichloroethene

Concen: 0.034 ppbv

RT: 5.63 min Scan# 838

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

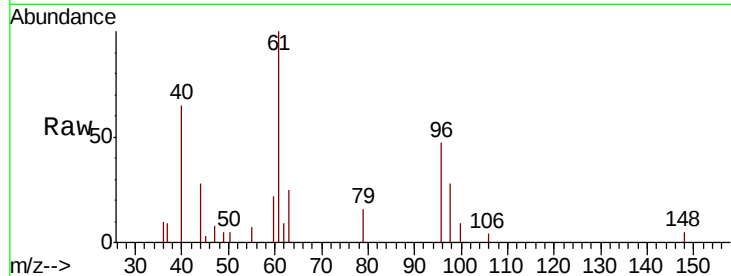
Tgt Ion: 61 Resp: 3556

Ion Ratio Lower Upper

61 100

96 41.8 50.6 76.0#

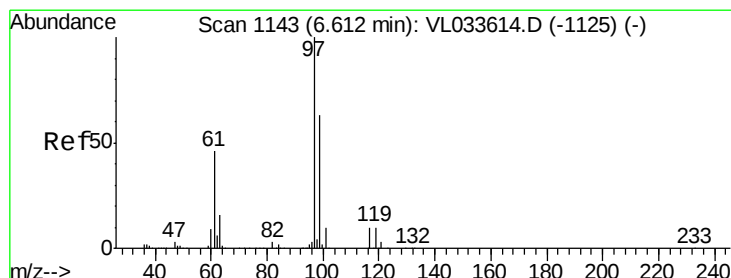
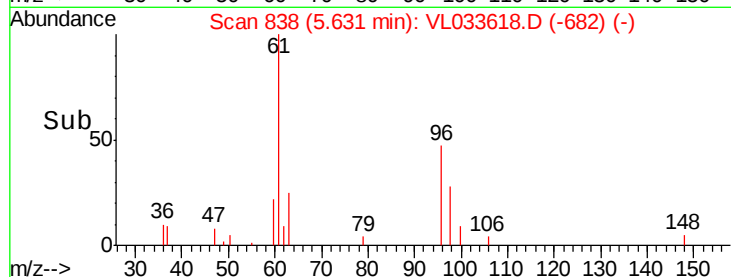
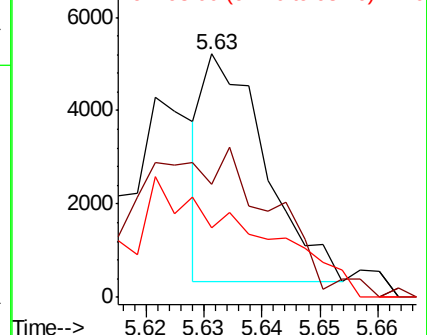
98 18.2 32.8 49.2#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.028 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

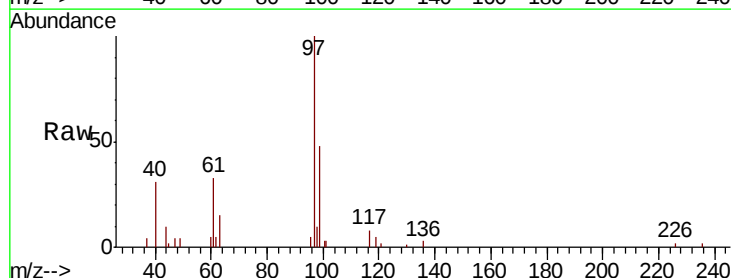
Tgt Ion: 97 Resp: 5570

Ion Ratio Lower Upper

97 100

99 232.5 51.9 77.9#

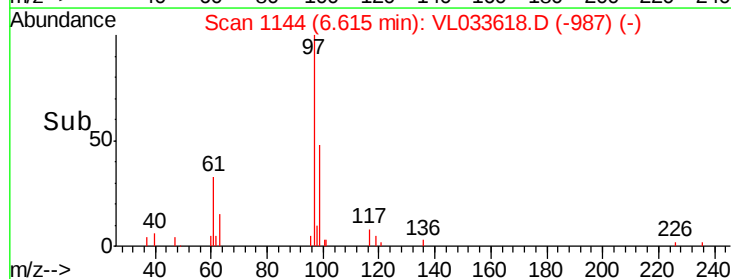
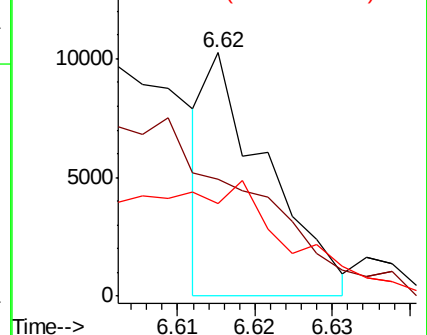
61 0.0 38.2 57.2#

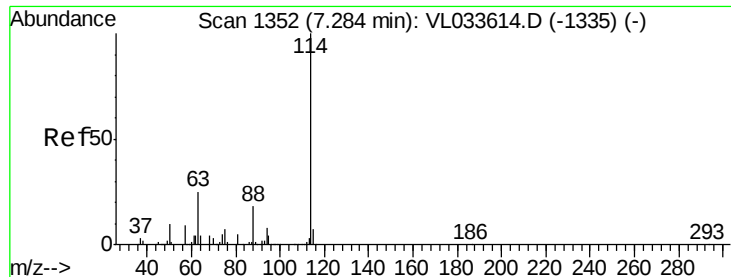


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

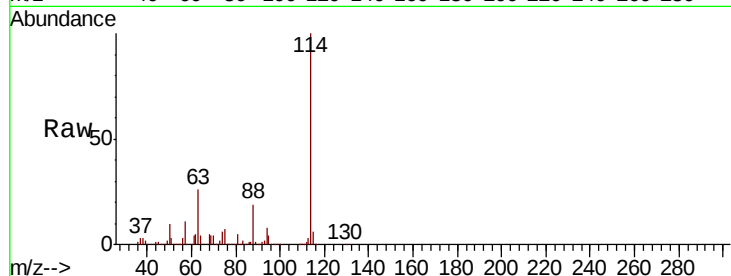




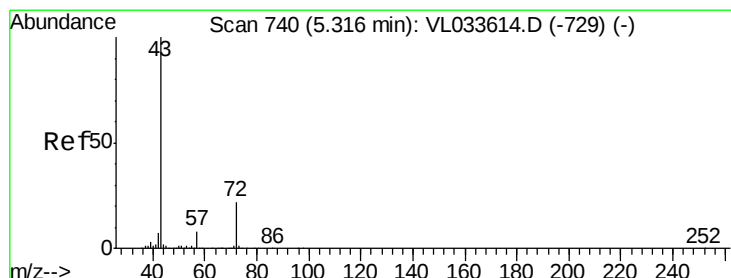
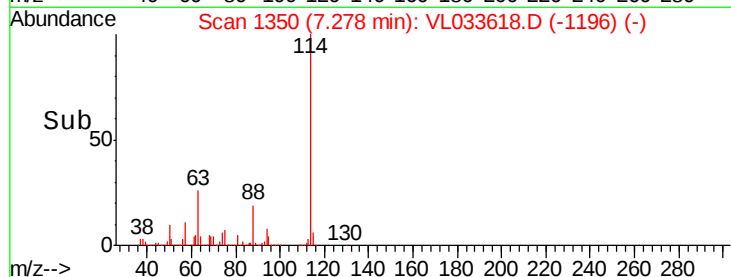
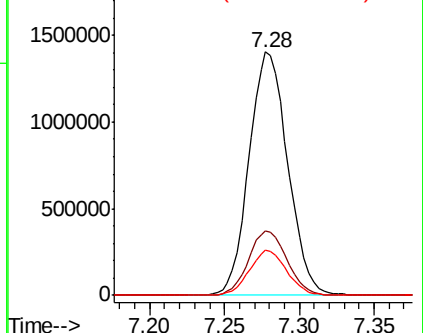
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:114 Resp: 2518555
 Ion Ratio Lower Upper
 114 100
 63 26.6 21.1 31.7
 88 18.0 14.2 21.4

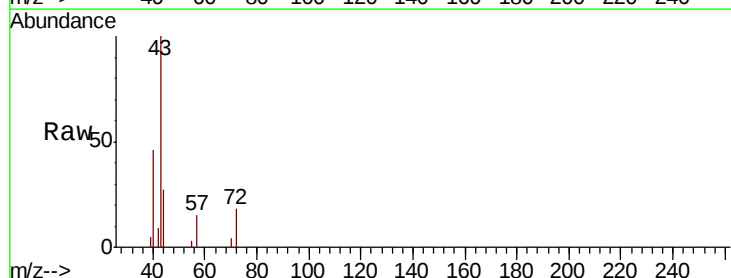


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

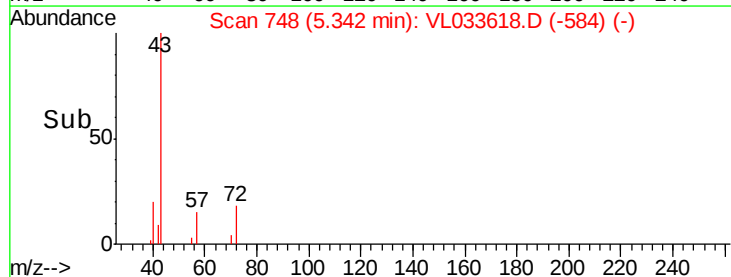
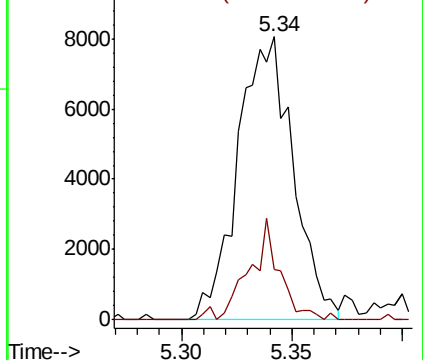


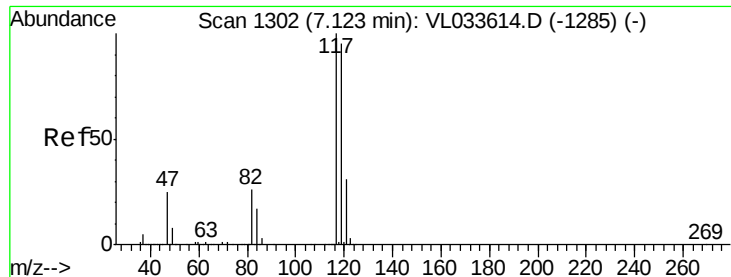
#34
 2-Butanone
 Concen: 0.090 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.03 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

Tgt Ion: 43 Resp: 13952
 Ion Ratio Lower Upper
 43 100
 72 20.1 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.100 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

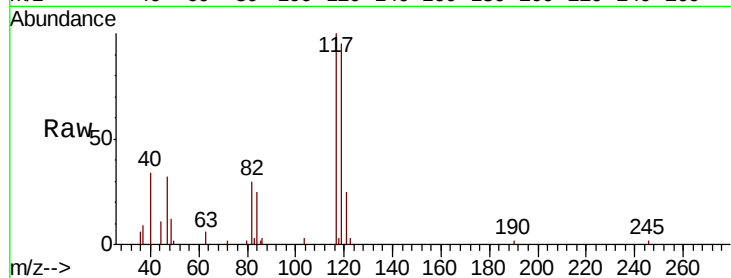
Tgt Ion:117 Resp: 19983

Ion Ratio Lower Upper

117 100

119 92.2 76.2 114.4

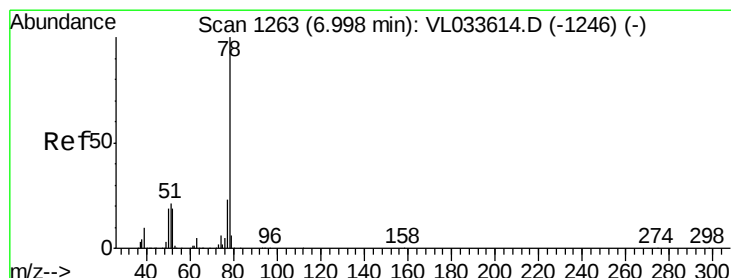
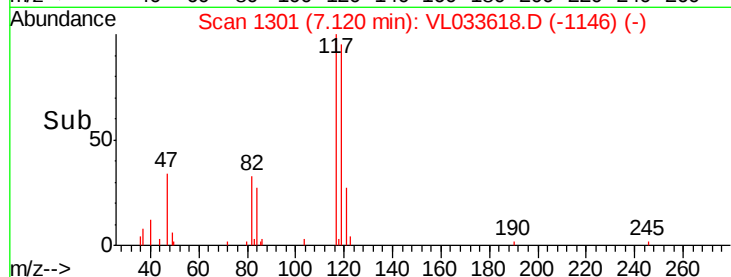
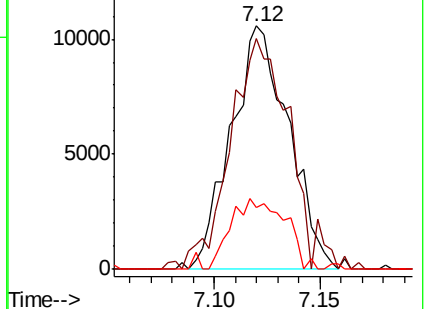
121 24.6 24.9 37.3#



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: 0.084 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

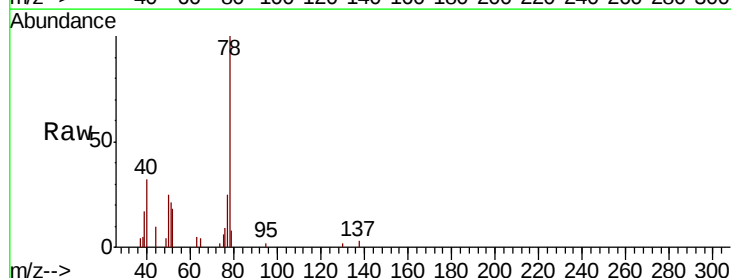
Tgt Ion: 78 Resp: 17973

Ion Ratio Lower Upper

78 100

77 23.7 18.1 27.1

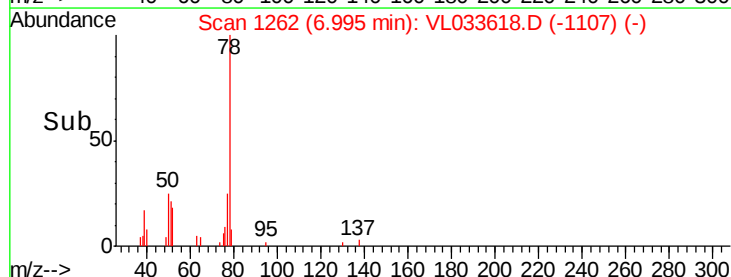
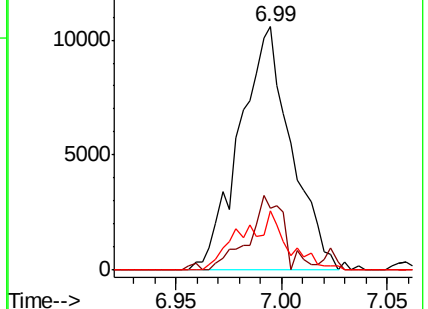
50 24.5 15.1 22.7#

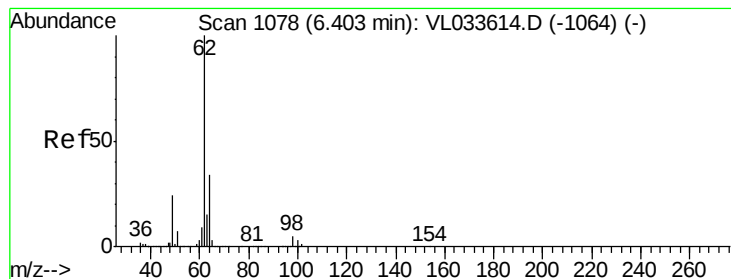


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.046 ppbv

RT: 6.39 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

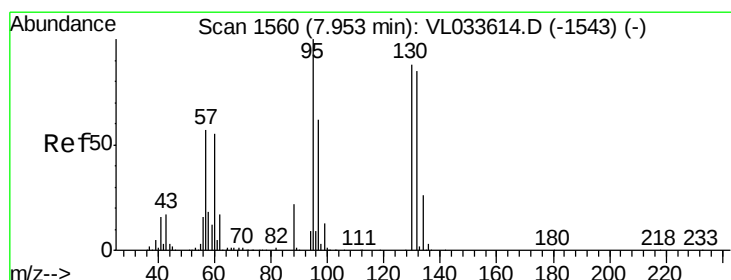
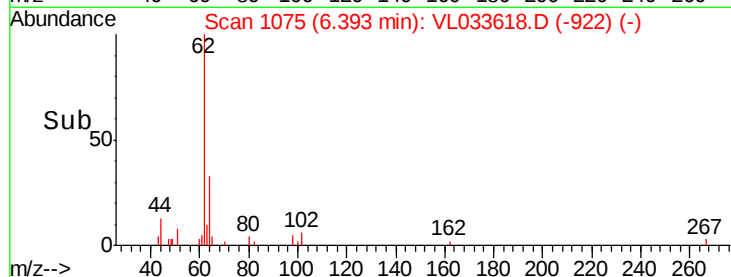
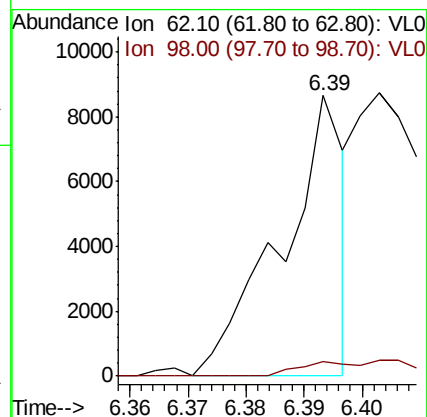
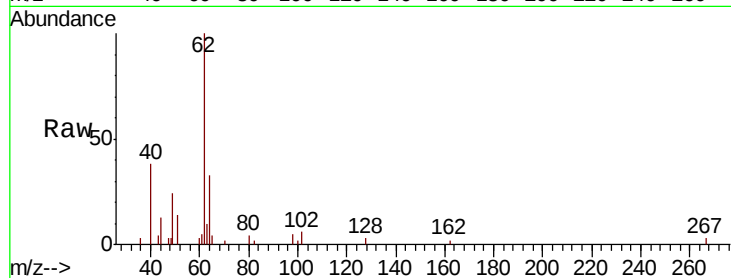
VSTDIC0.1

Tgt Ion: 62 Resp: 6508

Ion Ratio Lower Upper

62 100

98 0.0 4.4 6.6#



#38

Trichloroethene

Concen: 0.049 ppbv

RT: 7.94 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion: 130 Resp: 4192

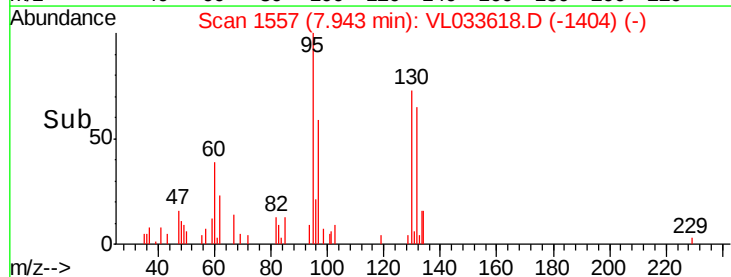
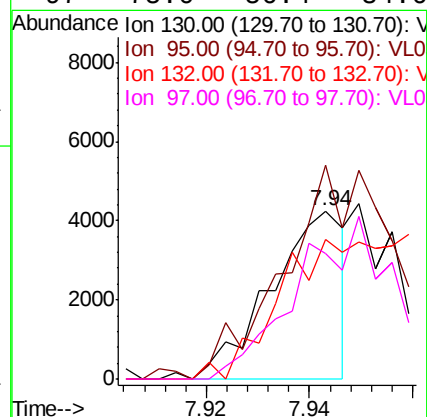
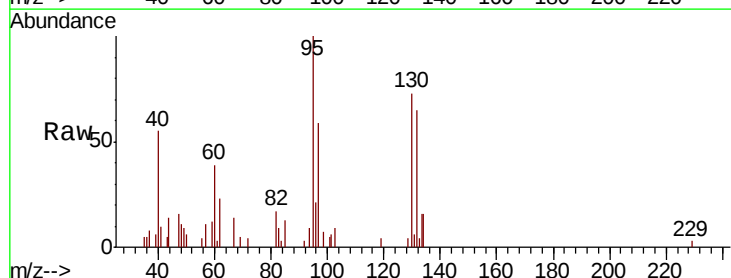
Ion Ratio Lower Upper

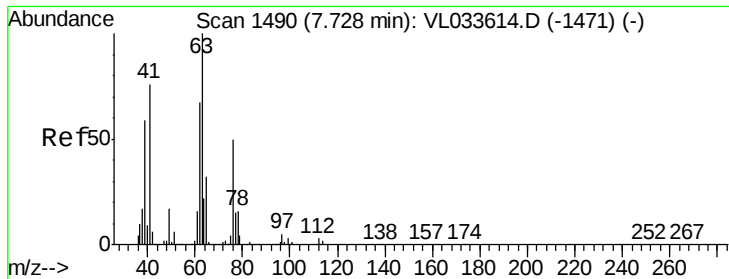
130 100

95 153.5 91.2 136.8#

132 83.1 77.8 116.8

97 75.0 56.4 84.6





#39

1,2-Dichloropropane

Concen: 0.097 ppbv

RT: 7.72 min Scan# 1488

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

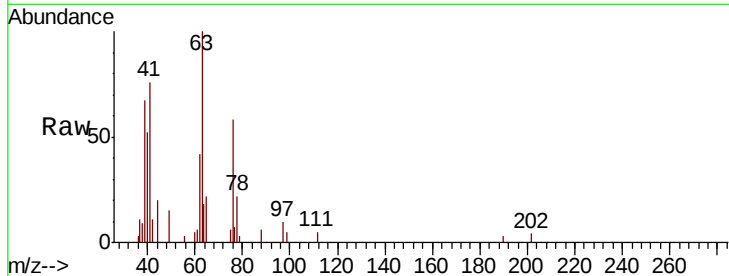
Tgt Ion: 63 Resp: 7819

Ion Ratio Lower Upper

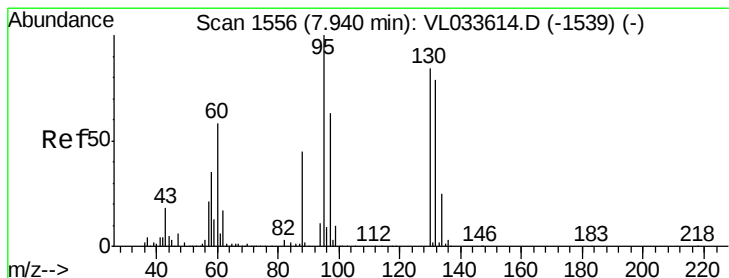
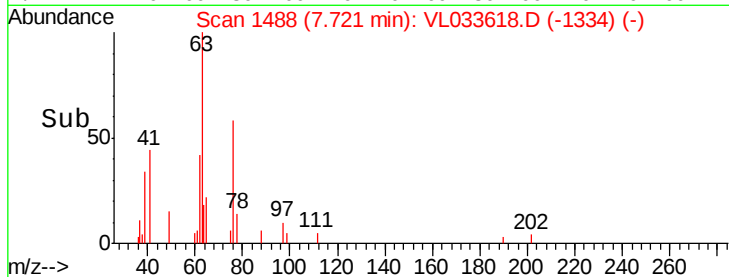
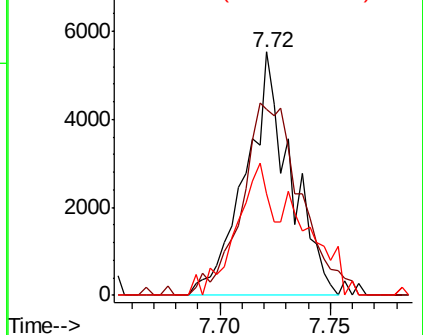
63 100

41 76.4 60.9 91.3

62 41.7 53.3 79.9#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.028 ppbv

RT: 7.98 min Scan# 1569

Delta R.T. 0.04 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion: 88 Resp: 935

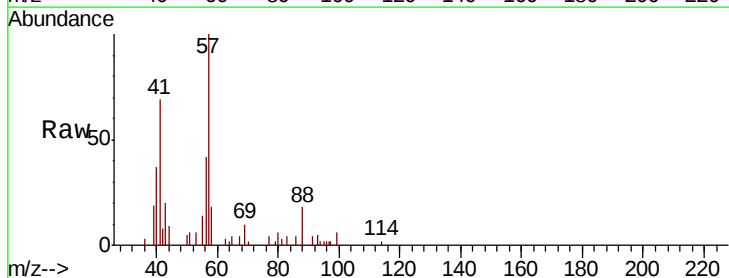
Ion Ratio Lower Upper

88 100

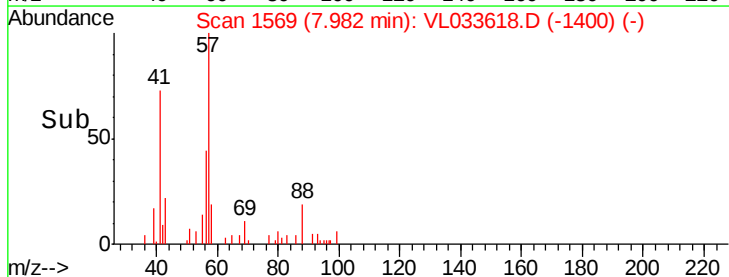
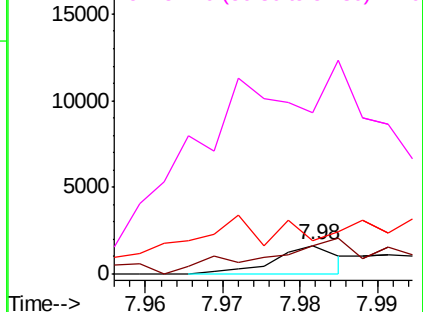
58 449.7 98.4 147.6#

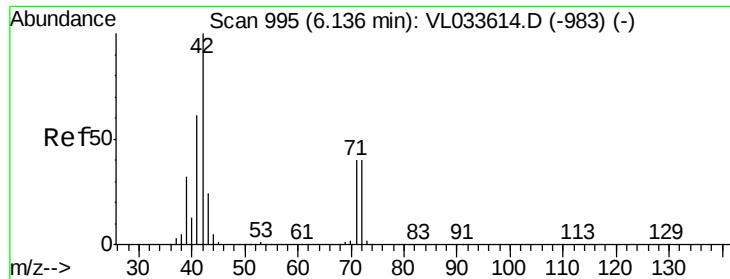
43 796.5 190.7 286.1#

57 2738.2 844.5 1266.7#



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





#41

Tetrahydrofuran

Concen: 0.022 ppbv

RT: 6.16 min Scan# 1002

Delta R.T. 0.02 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

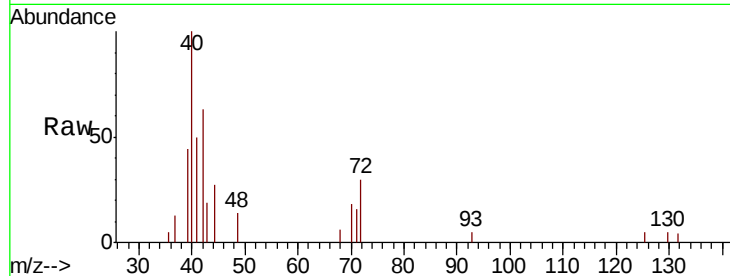
Tgt Ion: 42 Resp: 1800

Ion Ratio Lower Upper

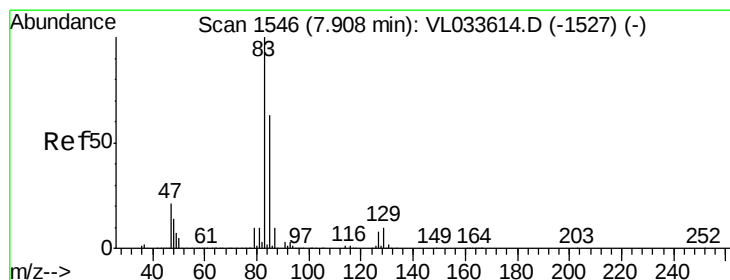
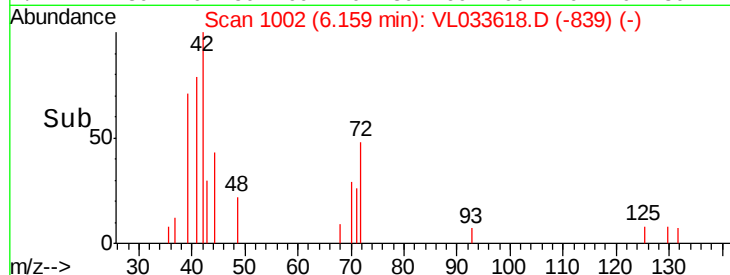
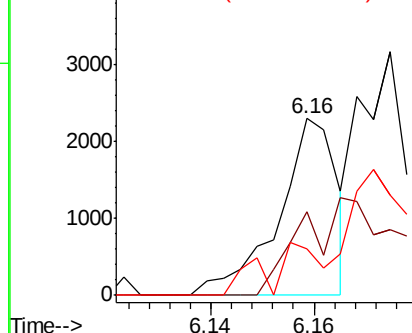
42 100

72 0.0 31.8 47.6#

71 0.0 31.0 46.4#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.086 ppbv

RT: 7.90 min Scan# 1543

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

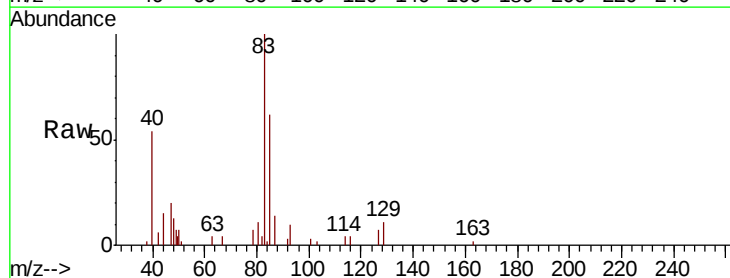
Tgt Ion: 83 Resp: 16520

Ion Ratio Lower Upper

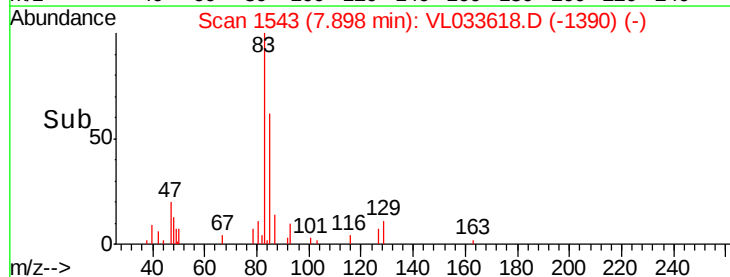
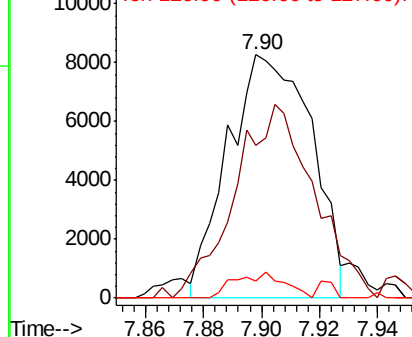
83 100

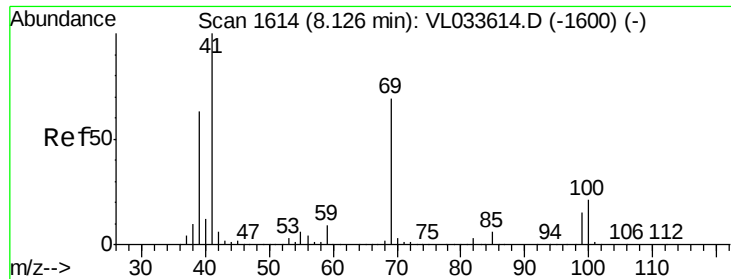
85 55.3 50.2 75.4

127 7.7 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): V

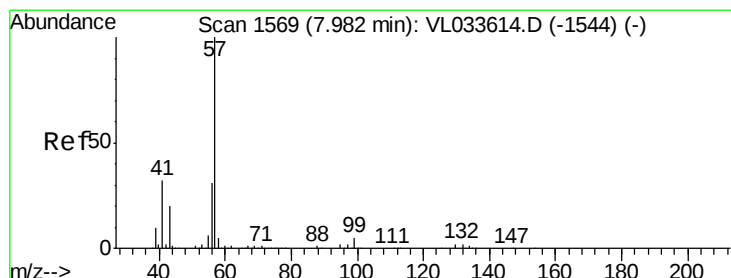
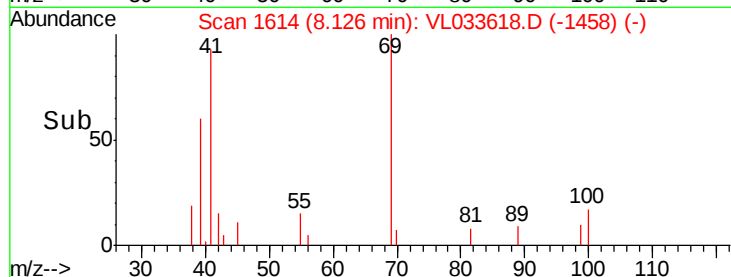
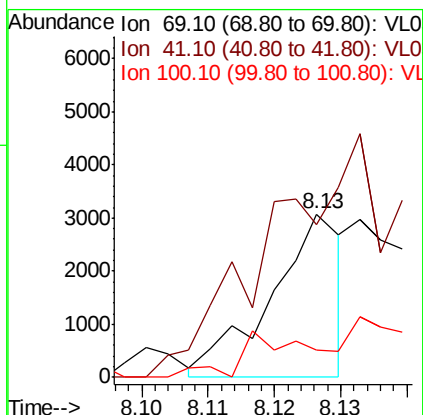
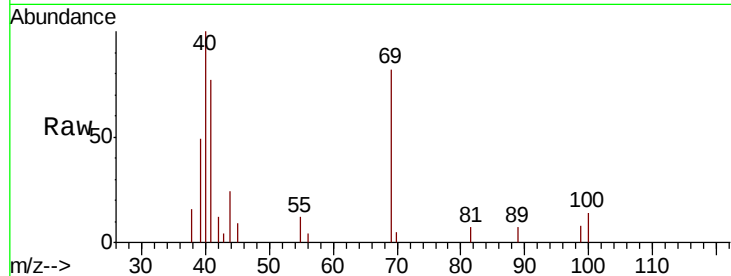




#43
Methyl Methacrylate
Concen: 0.028 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. 0.00 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

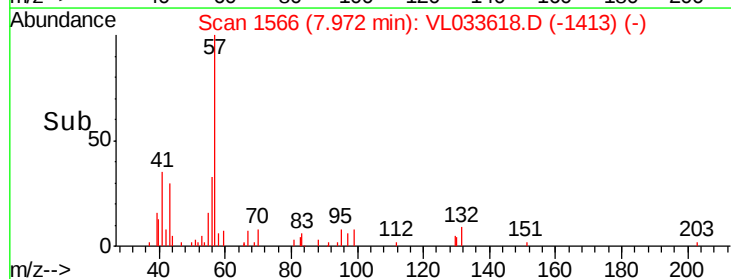
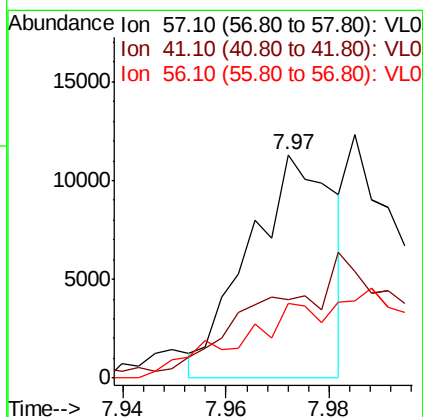
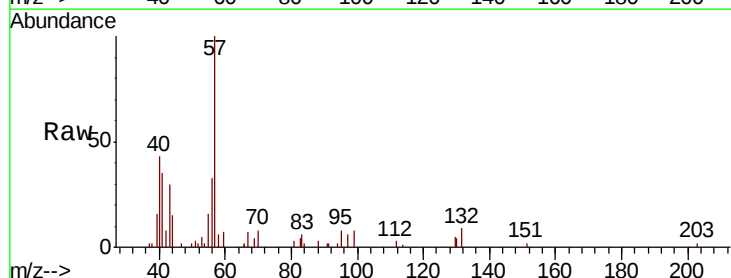
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

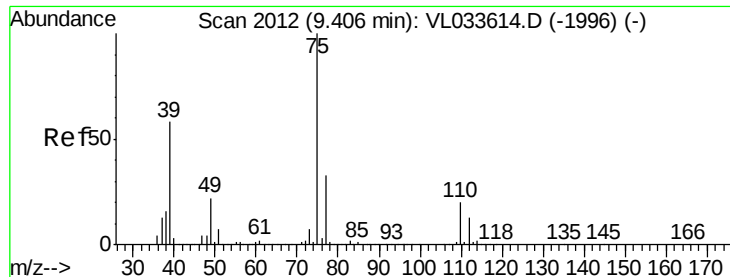
Tgt Ion: 69 Resp: 2280
Ion Ratio Lower Upper
69 100
41 0.0 115.0 172.4#
100 0.0 24.7 37.1#



#44
2,2,4-Trimethylpentane
Concen: 0.034 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Tgt Ion: 57 Resp: 12840
Ion Ratio Lower Upper
57 100
41 0.0 25.4 38.2#
56 0.0 24.6 37.0#





#45

t-1,3-Dichloropropene

Concen: 0.022 ppbv

RT: 9.40 min Scan# 2010

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

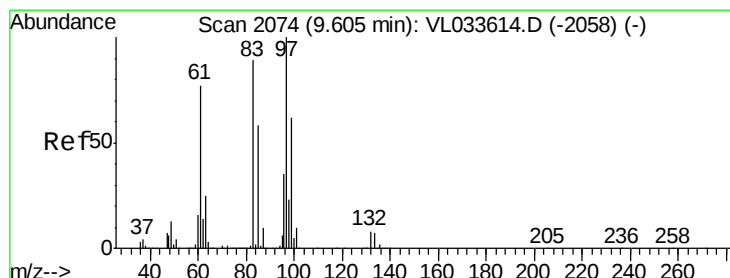
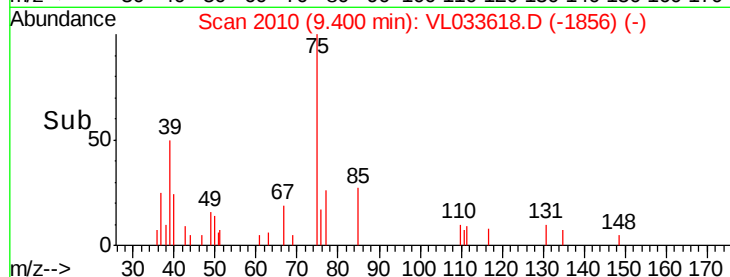
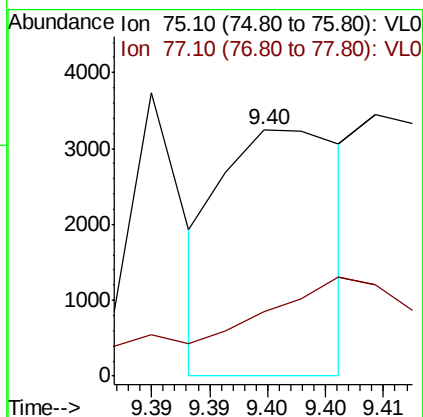
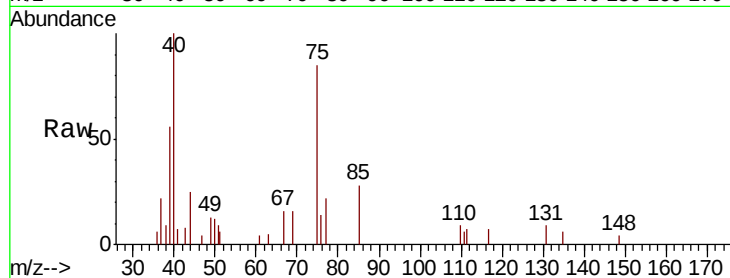
VSTDIC0.1

Tgt Ion: 75 Resp: 2361

Ion Ratio Lower Upper

75 100

77 26.1 26.0 39.0



#47

1,1,2-Trichloroethane

Concen: 0.066 ppbv

RT: 9.60 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion: 97 Resp: 6921

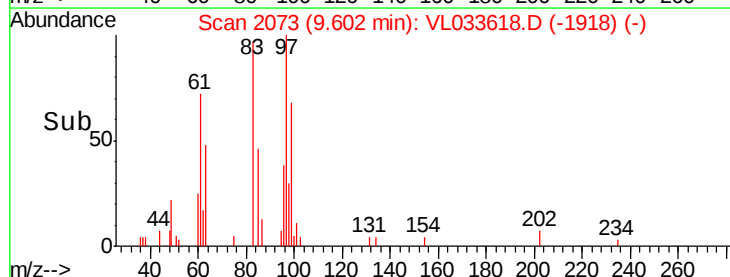
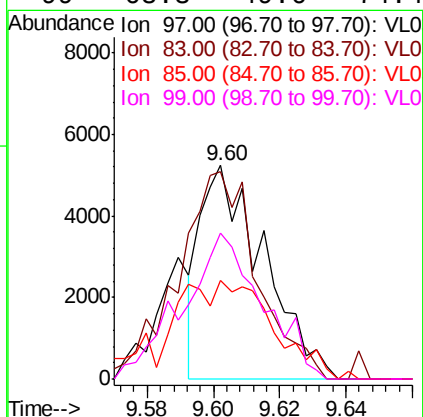
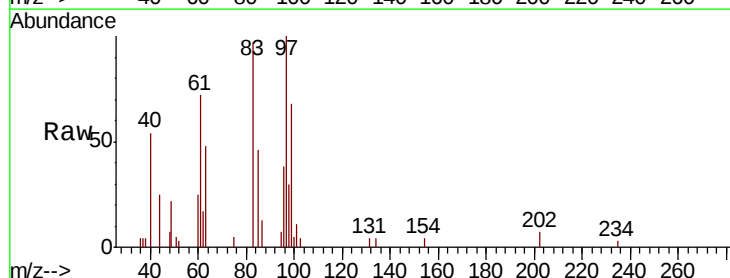
Ion Ratio Lower Upper

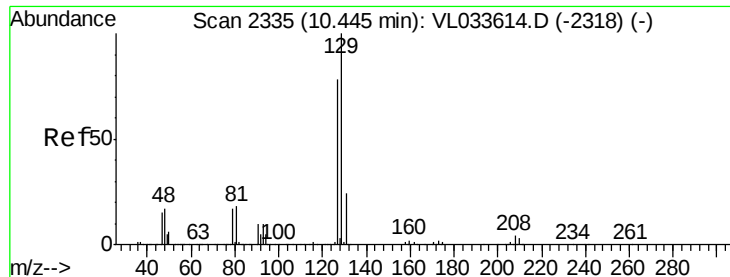
97 100

83 97.2 71.4 107.0

85 46.0 46.0 69.0#

99 68.3 49.6 74.4





#48

Dibromochloromethane

Concen: 0.054 ppbv

RT: 10.43 min Scan# 2332

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

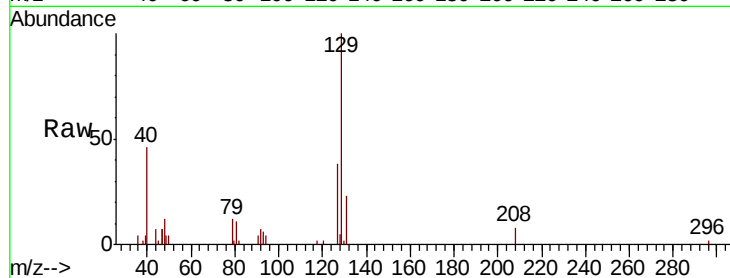
VSTDIC0.1

Tgt Ion:129 Resp: 9562

Ion Ratio Lower Upper

129 100

127 88.9 39.2 117.6

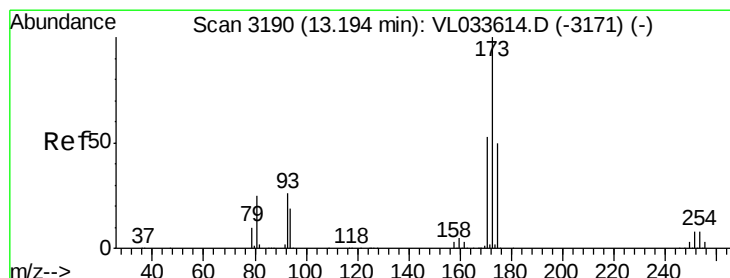
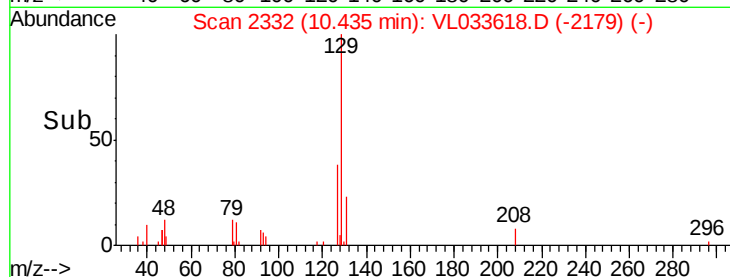


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.43

Time-->



#49

Bromoform

Concen: 0.022 ppbv

RT: 13.17 min Scan# 3184

Delta R.T. -0.02 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

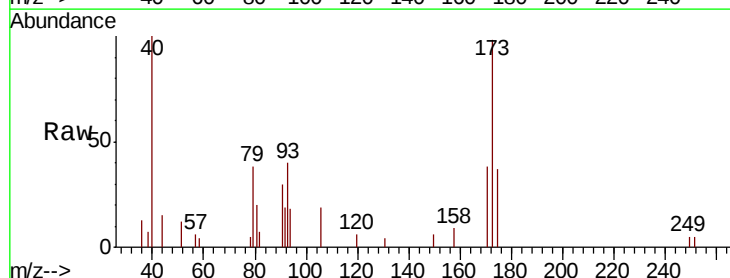
Tgt Ion:173 Resp: 3012

Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.6#

171 0.0 41.6 62.4#



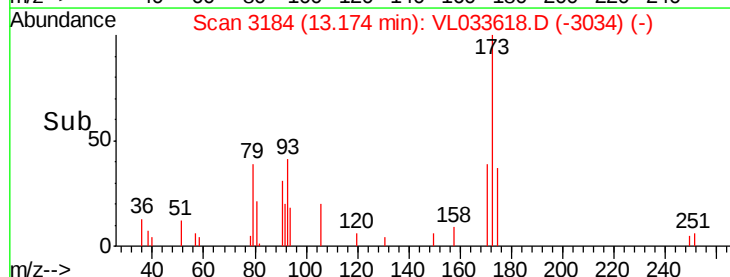
Abundance Ion 172.90 (172.60 to 173.60): V

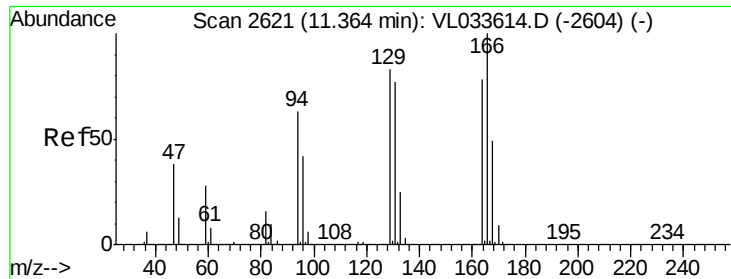
Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

13.17

Time-->





#52

Tetrachloroethene

Concen: 0.028 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:164 Resp: 2311

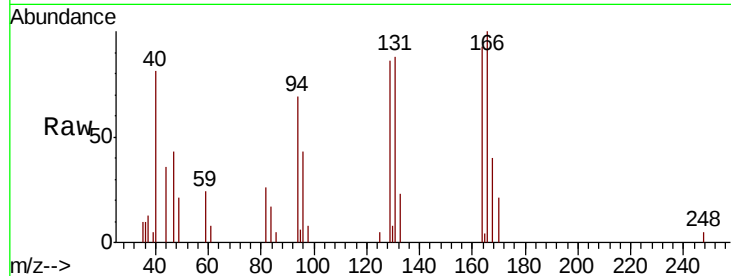
Ion Ratio Lower Upper

164 100

166 47.3 102.2 153.4#

129 26.7 84.4 126.6#

131 37.4 79.2 118.8#



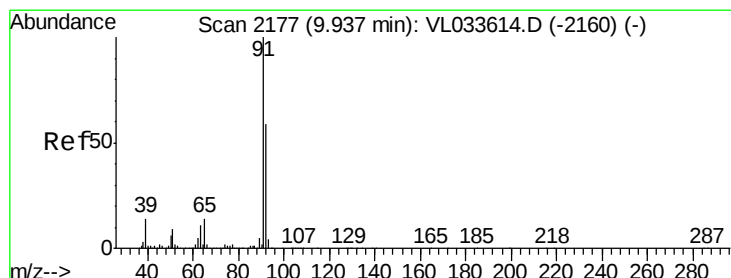
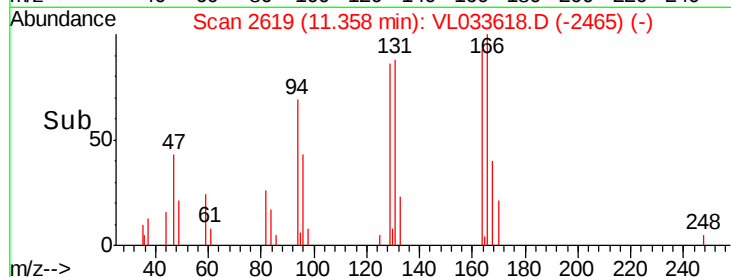
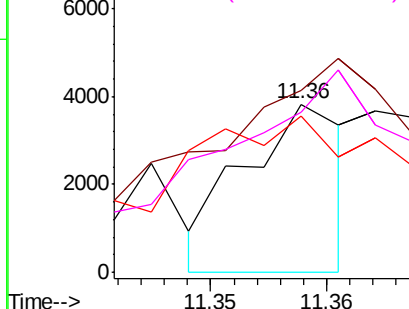
Abundance

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: 0.026 ppbv

RT: 9.93 min Scan# 2175

Delta R.T. -0.01 min

Lab File: VL033618.D

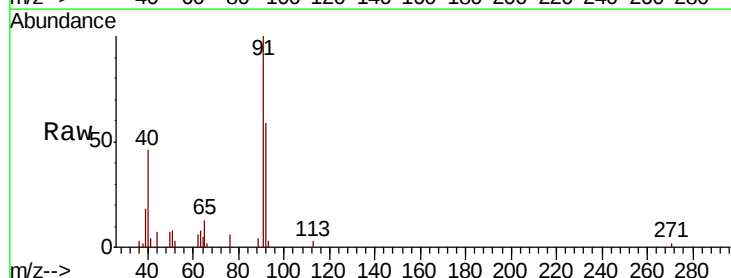
Acq: 1 May 2019 14:30

Tgt Ion: 91 Resp: 7153

Ion Ratio Lower Upper

91 100

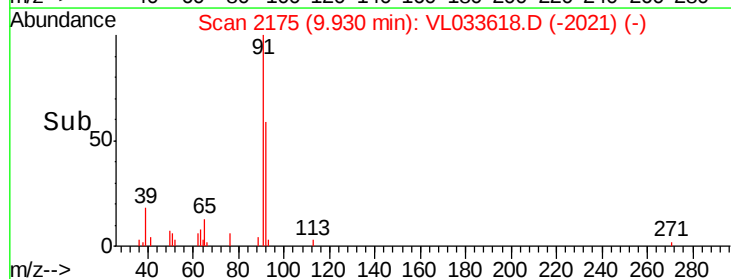
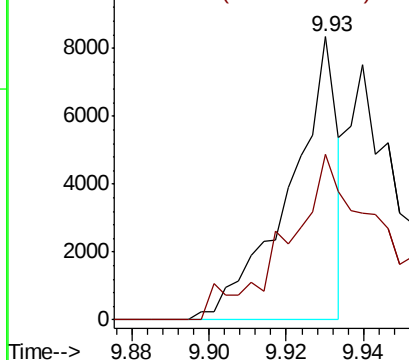
92 117.9 47.8 71.6#

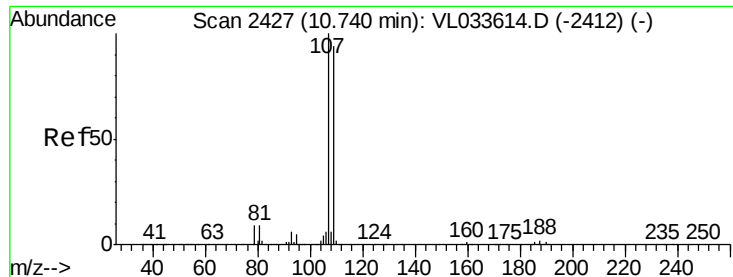


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.023 ppbv

RT: 10.74 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

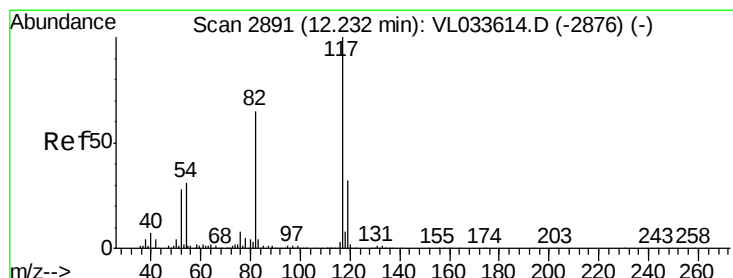
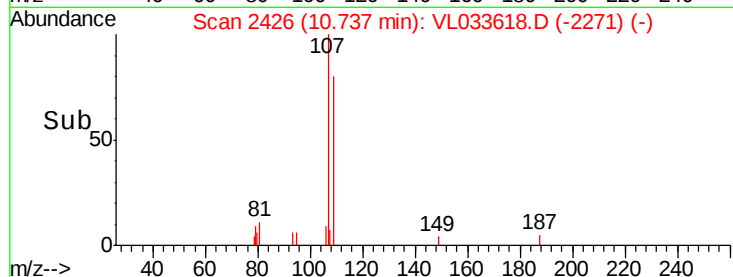
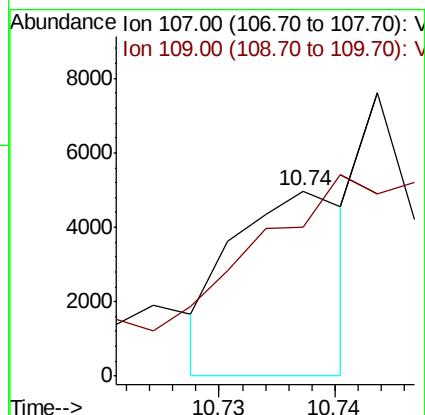
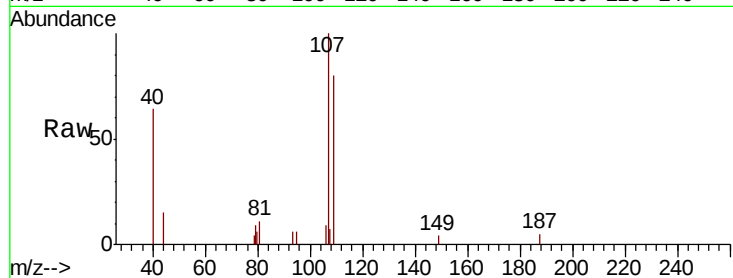
VSTDIC0.1

Tgt Ion:107 Resp: 3378

Ion Ratio Lower Upper

107 100

109 61.8 75.1 112.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

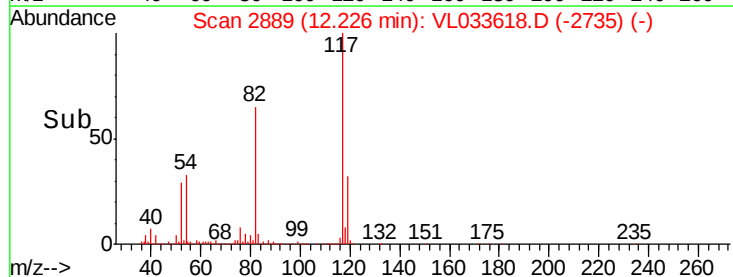
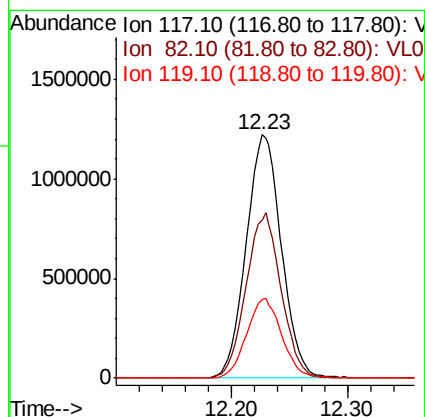
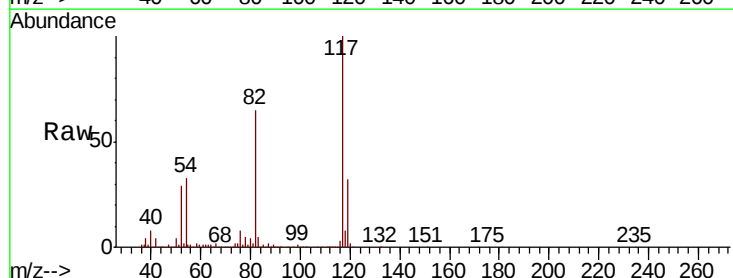
Tgt Ion:117 Resp: 2585835

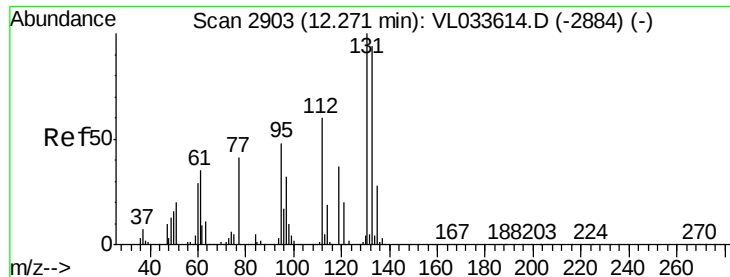
Ion Ratio Lower Upper

117 100

82 67.7 52.6 78.8

119 32.8 28.3 42.5





#56

1,1,1,2-Tetrachloroethane

Concen: 0.036 ppbv

RT: 12.26 min Scan# 2901

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

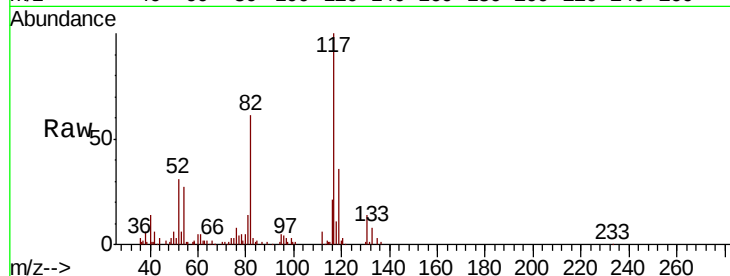
Tgt Ion:131 Resp: 4075

Ion Ratio Lower Upper

131 100

133 0.0 76.4 114.6#

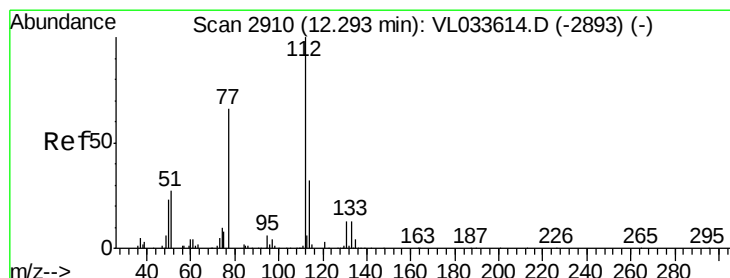
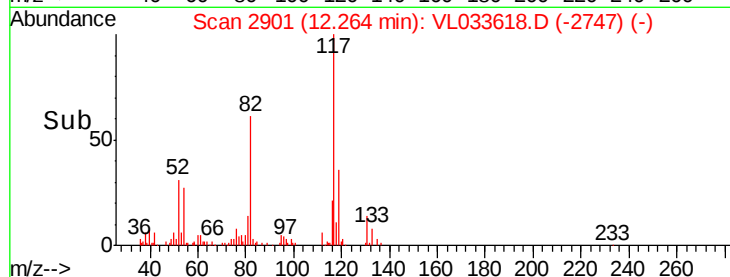
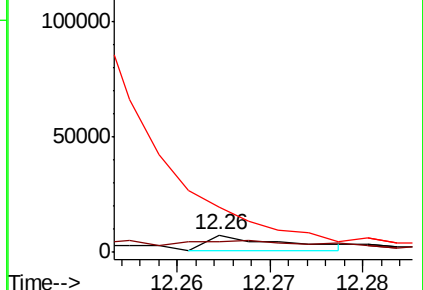
119 0.0 40.9 61.3#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.078 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

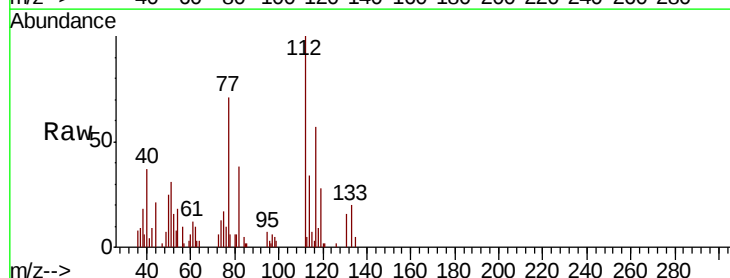
Tgt Ion:112 Resp: 15677

Ion Ratio Lower Upper

112 100

77 46.5 53.6 80.4#

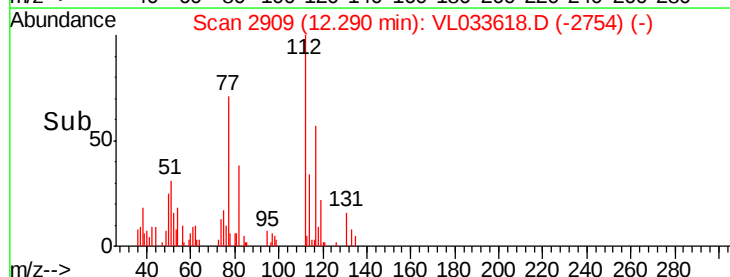
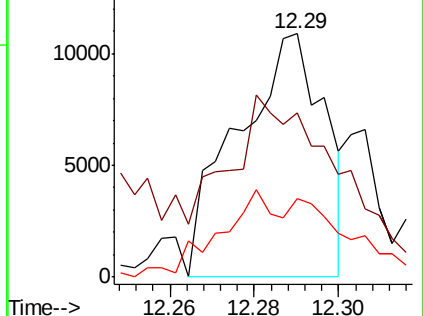
114 24.5 29.1 35.5#

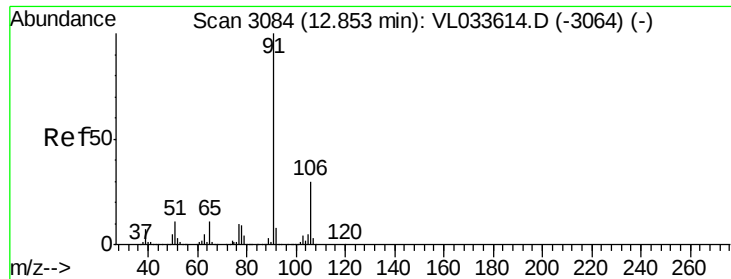


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.068 ppbv

RT: 12.85 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

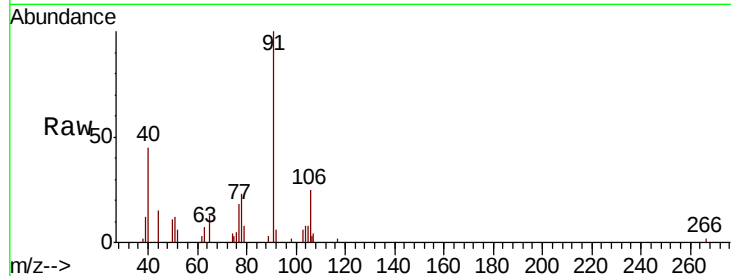
VSTDIC0.1

Tgt Ion: 91 Resp: 20462

Ion Ratio Lower Upper

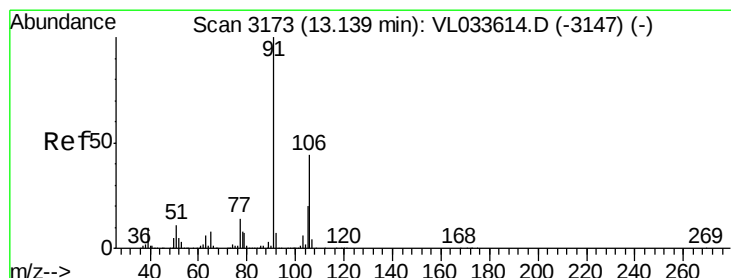
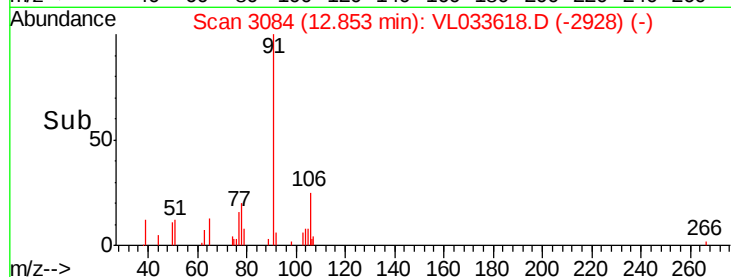
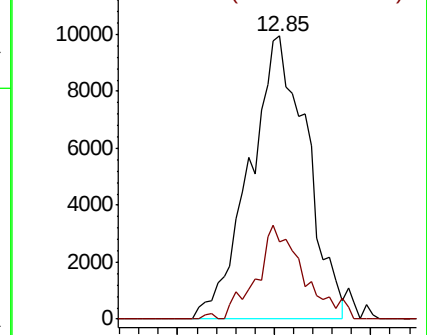
91 100

106 27.4 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.016 ppbv

RT: 13.13 min Scan# 3170

Delta R.T. -0.01 min

Lab File: VL033618.D

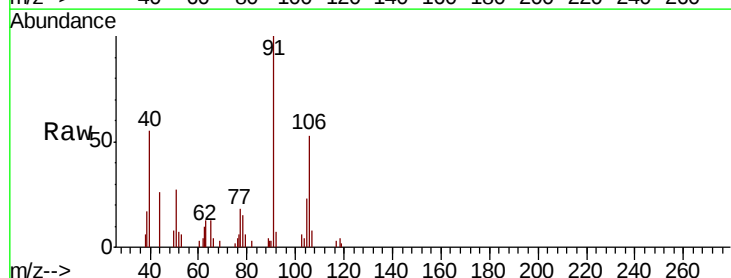
Acq: 1 May 2019 14:30

Tgt Ion: 91 Resp: 4163

Ion Ratio Lower Upper

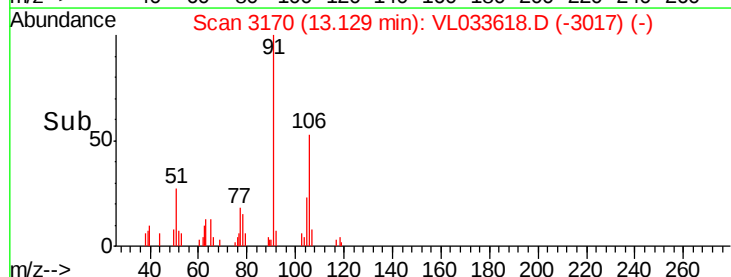
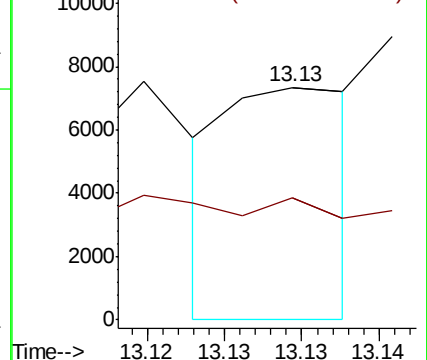
91 100

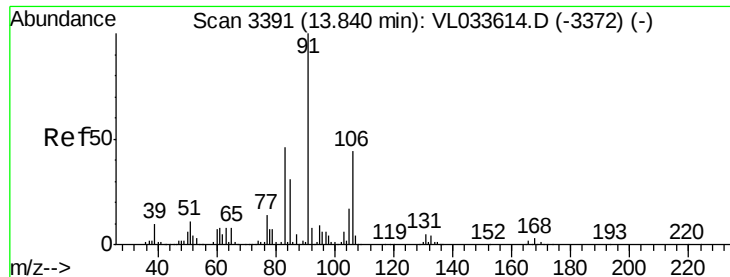
106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

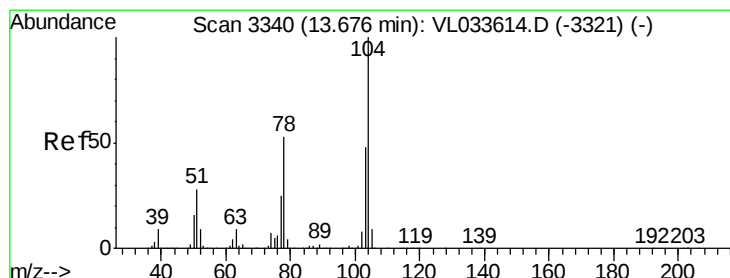
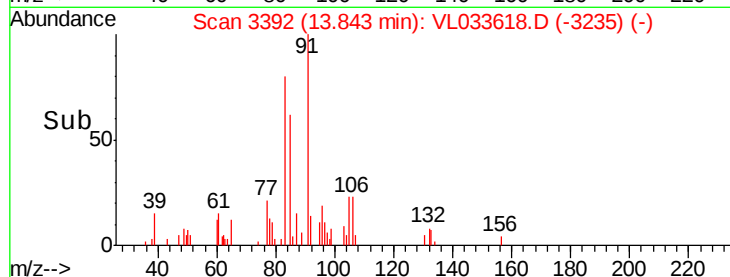
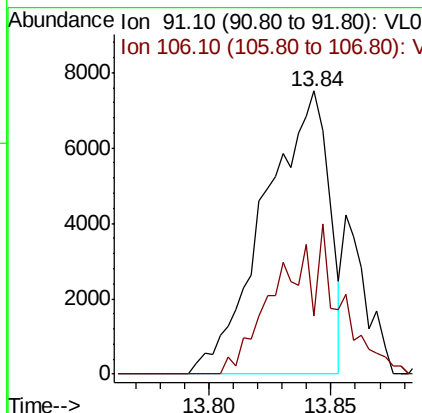
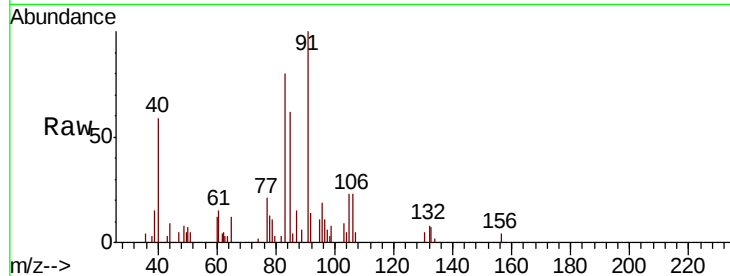




#60
o-Xylene
Concen: 0.052 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

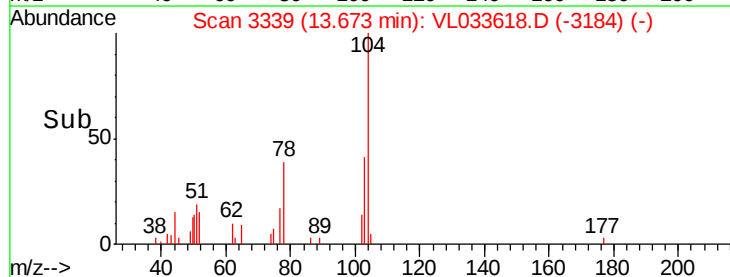
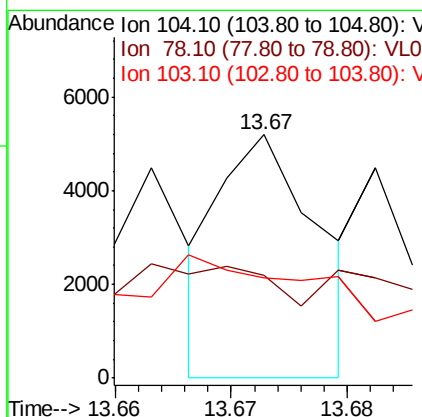
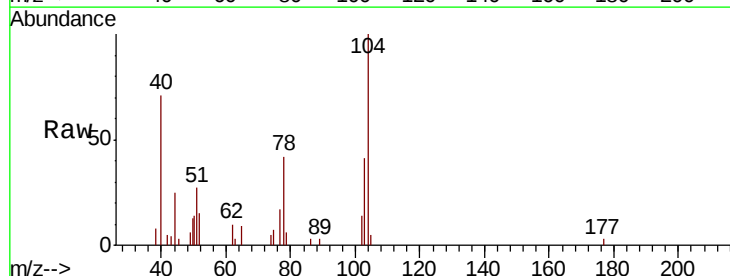
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

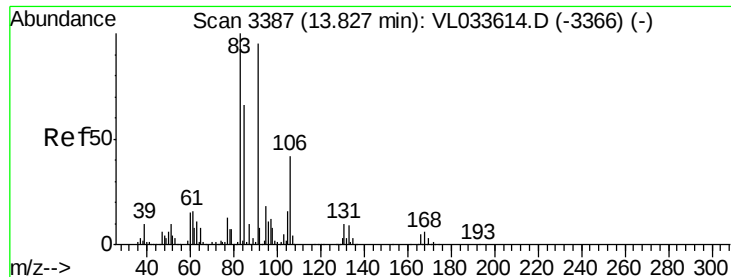
Tgt Ion: 91 Resp: 13610
Ion Ratio Lower Upper
91 100
106 49.1 21.8 65.4



#61
Styrene
Concen: 0.017 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Tgt Ion: 104 Resp: 3070
Ion Ratio Lower Upper
104 100
78 0.0 42.7 64.1#
103 0.0 37.8 56.6#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.100 ppbv

RT: 13.82 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

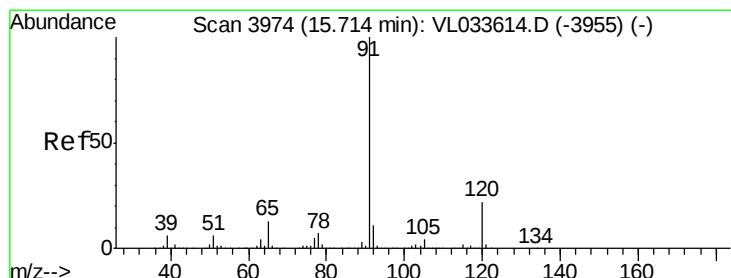
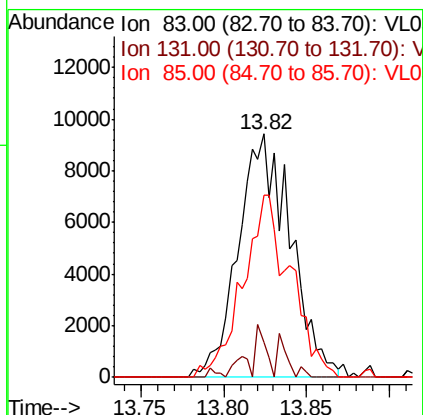
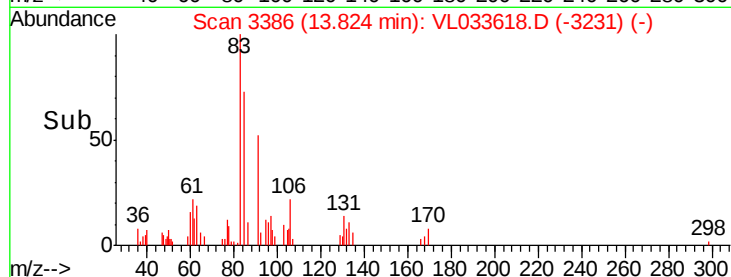
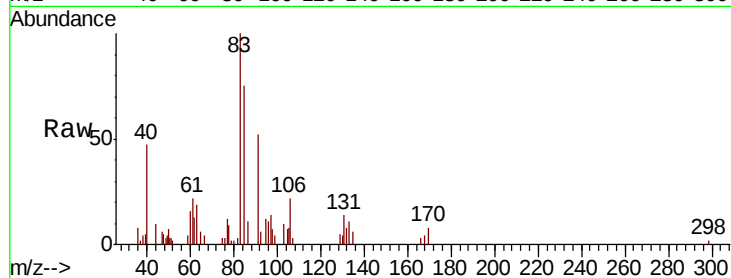
Tgt Ion: 83 Resp: 20554

Ion Ratio Lower Upper

83 100

131 10.7 4.8 14.4

85 67.9 32.3 96.8



#64

n-propylbenzene

Concen: 0.015 ppbv

RT: 15.71 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VL033618.D

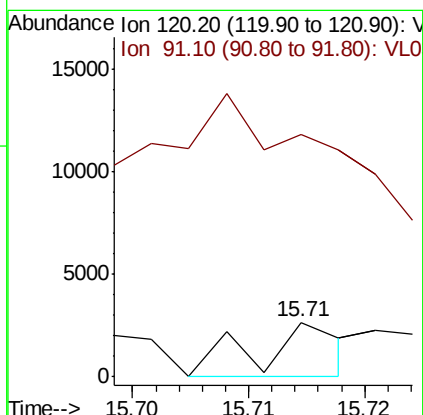
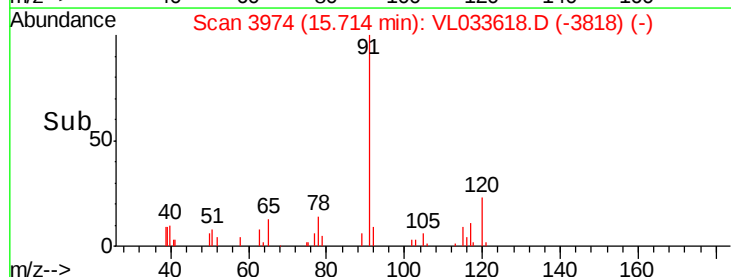
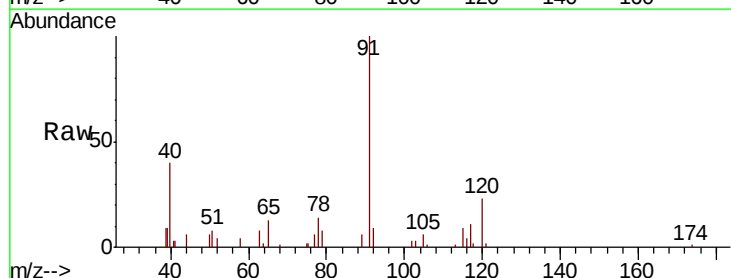
Acq: 1 May 2019 14:30

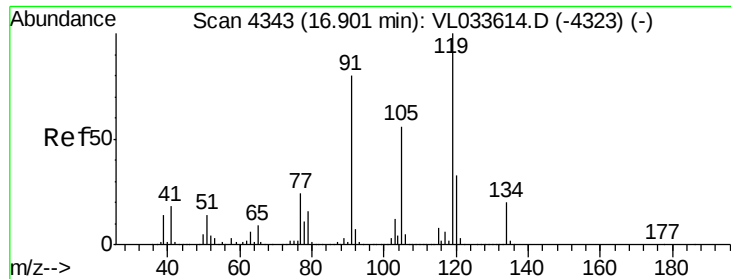
Tgt Ion: 120 Resp: 1343

Ion Ratio Lower Upper

120 100

91 2134.3 380.2 570.2#





#65

tert-Butylbenzene

Concen: 0.016 ppbv

RT: 16.89 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

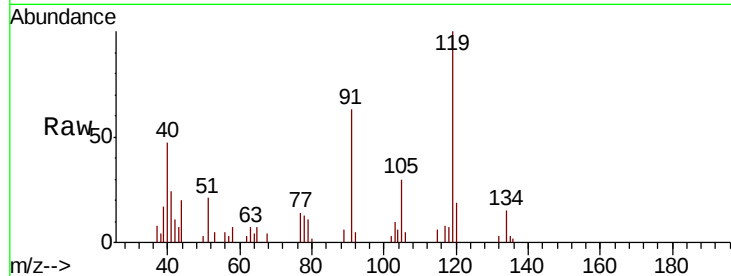
Tgt Ion: 119 Resp: 5095

Ion Ratio Lower Upper

119 100

91 335.5 66.1 99.1#

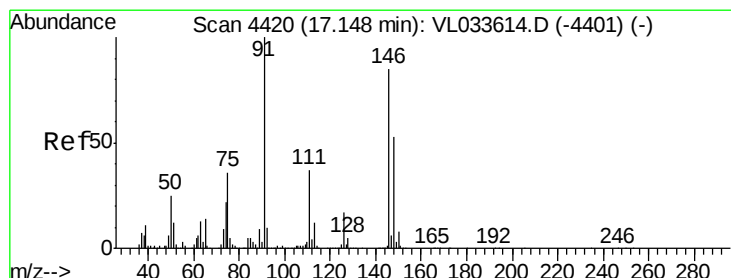
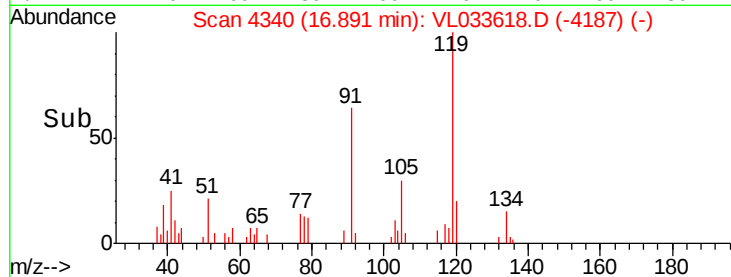
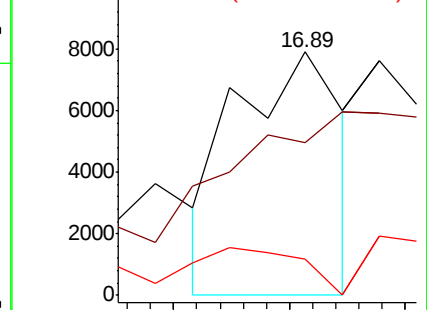
134 25.5 15.6 23.4#



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: 0.052 ppbv

RT: 17.15 min Scan# 4419

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

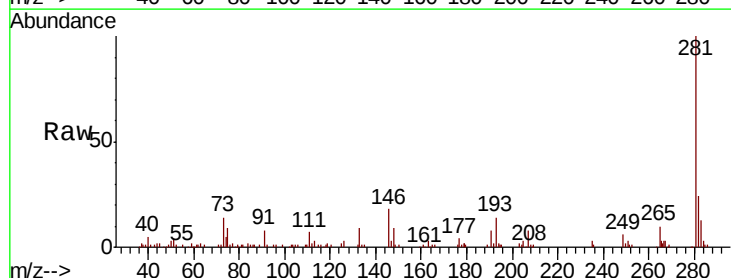
Tgt Ion: 91 Resp: 7653

Ion Ratio Lower Upper

91 100

126 21.6 13.4 20.2#

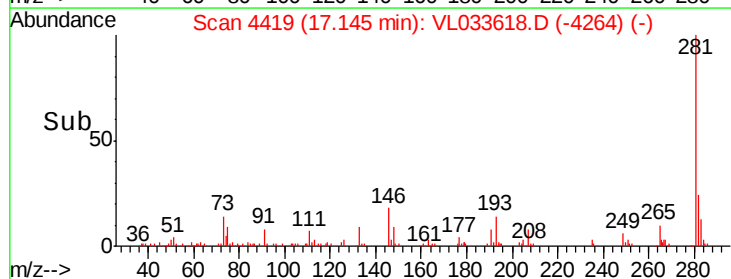
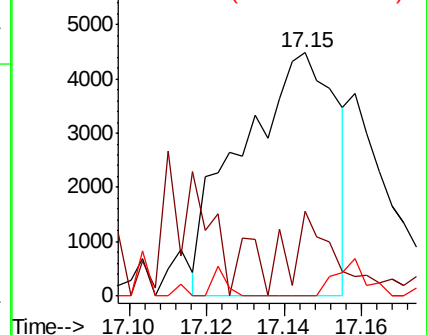
128 0.0 4.3 6.5#

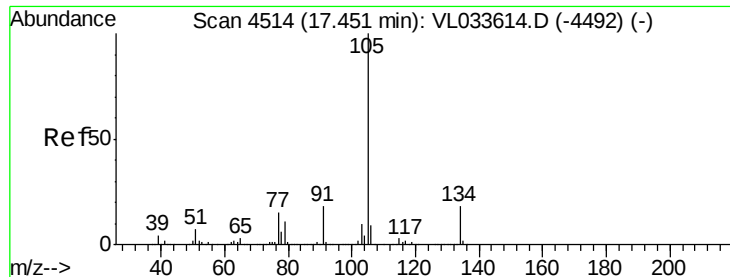


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

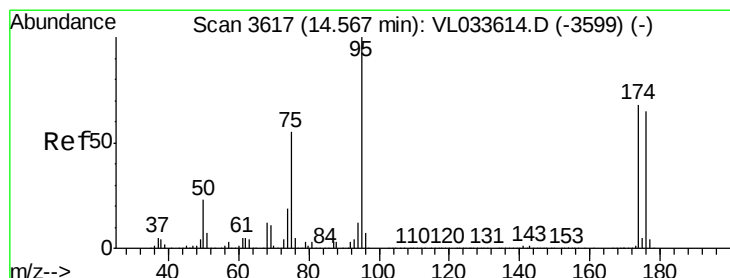
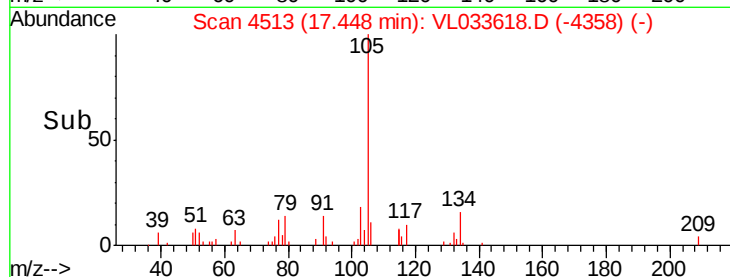
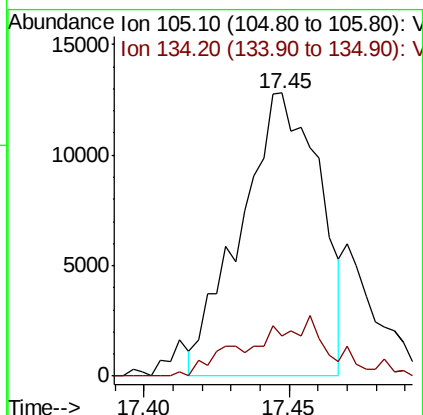
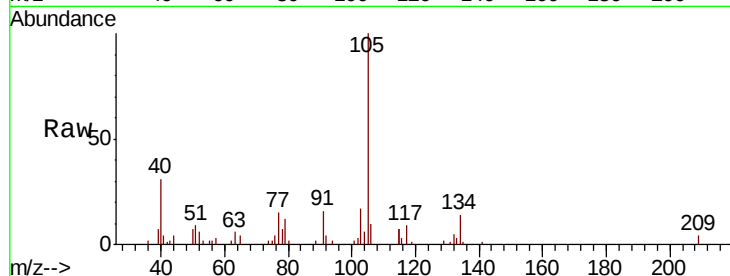




#67
 sec-Butylbenzene
 Concen: 0.053 ppbv
 RT: 17.45 min Scan# 4513
 Delta R.T. -0.00 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

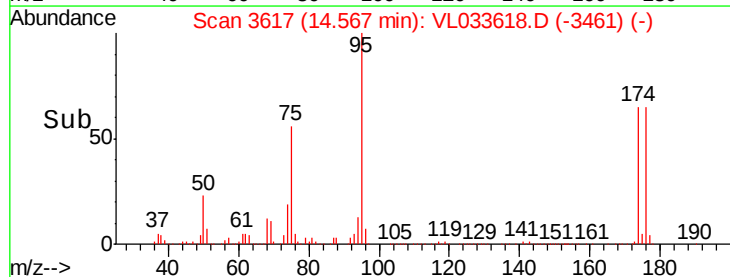
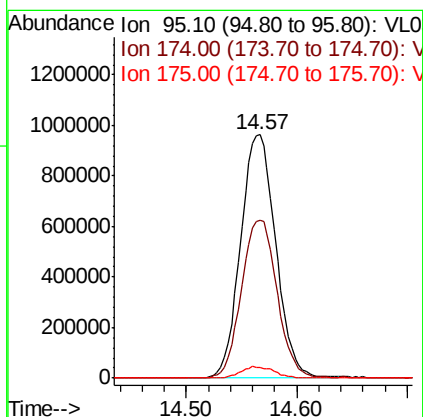
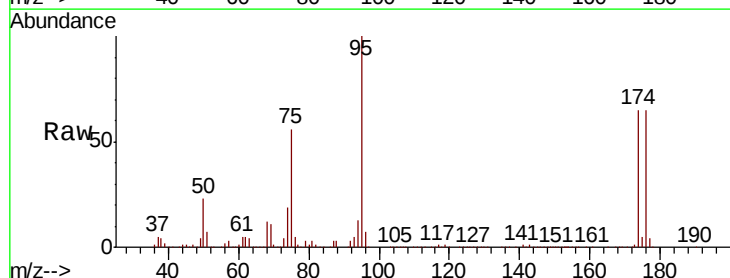
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

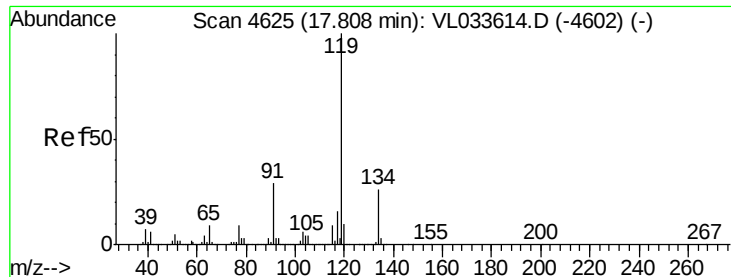
Tgt Ion: 105 Resp: 24366
 Ion Ratio Lower Upper
 105 100
 134 21.3 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.713 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. 0.00 min
 Lab File: VL033618.D
 Acq: 1 May 2019 14:30

Tgt Ion: 95 Resp: 2124519
 Ion Ratio Lower Upper
 95 100
 174 66.4 53.9 80.9
 175 4.6 4.0 6.0

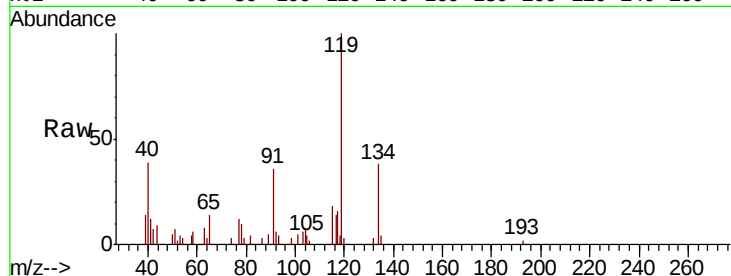




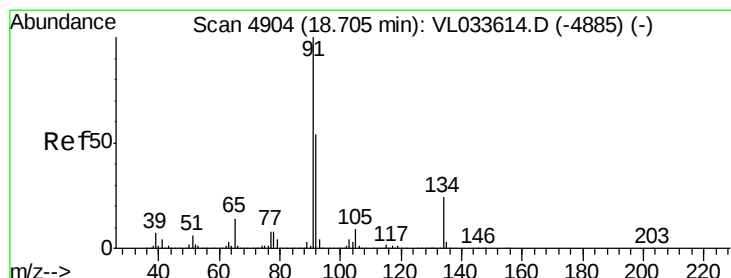
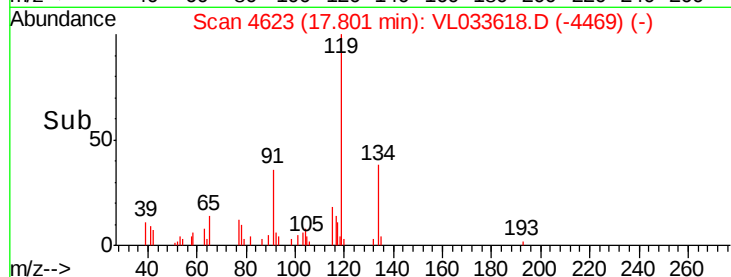
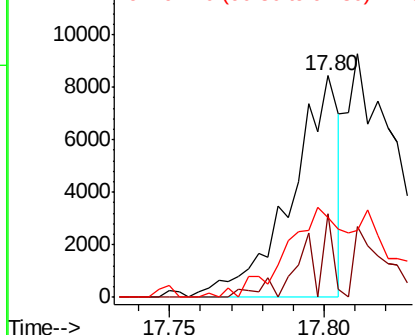
#69
p-Isopropyltoluene
Concen: 0.024 ppbv
RT: 17.80 min Scan# 4623
Delta R.T. -0.01 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 119 Resp: 9064
Ion Ratio Lower Upper
119 100
134 44.3 20.2 30.2#
91 85.0 23.3 34.9#

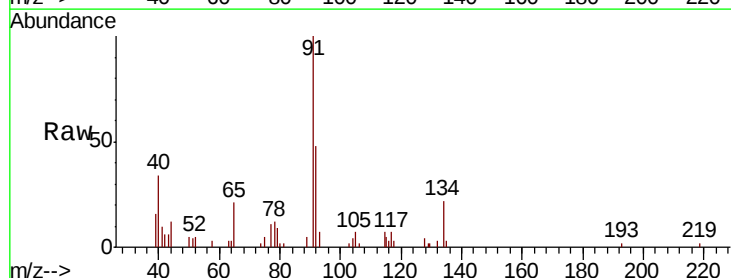


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

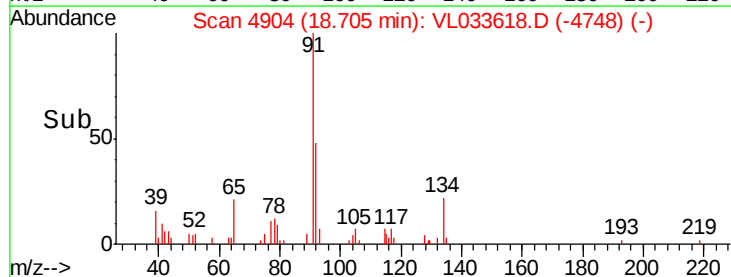
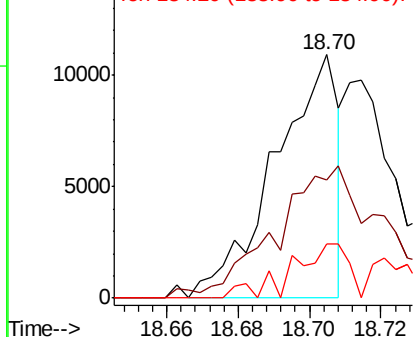


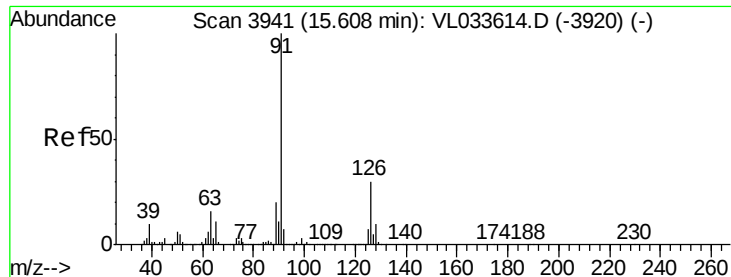
#70
n-Butylbenzene
Concen: 0.032 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. 0.00 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Tgt Ion: 91 Resp: 13359
Ion Ratio Lower Upper
91 100
92 96.6 42.6 64.0#
134 33.1 18.0 27.0#



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: 0.026 ppbv

RT: 15.60 min Scan# 3937

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

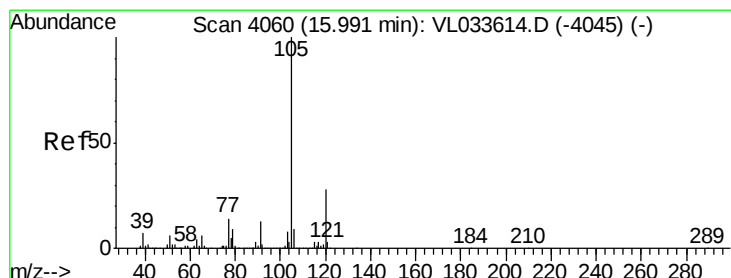
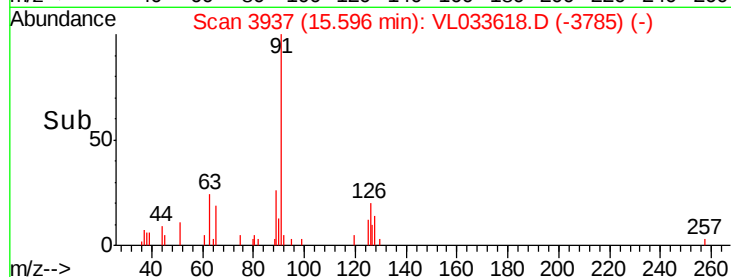
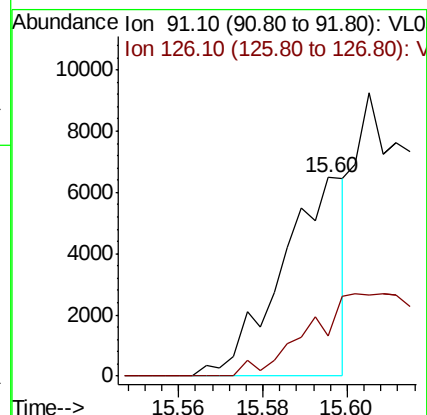
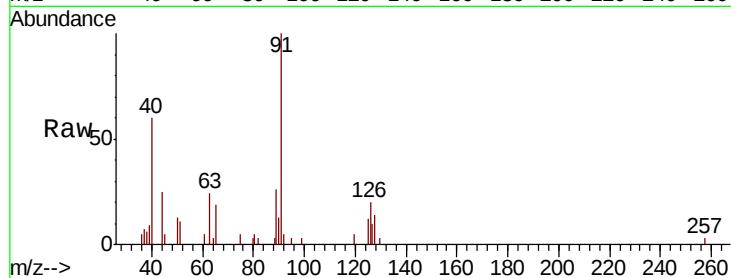
VSTDIC0.1

Tgt Ion: 91 Resp: 6838

Ion Ratio Lower Upper

91 100

126 0.0 11.9 47.7#



#72

4-Ethyltoluene

Concen: 0.022 ppbv

RT: 15.99 min Scan# 4059

Delta R.T. -0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion: 105 Resp: 6628

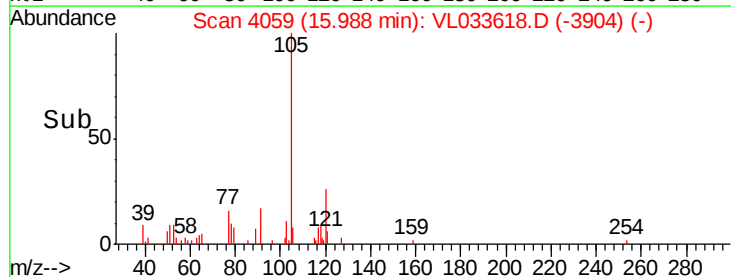
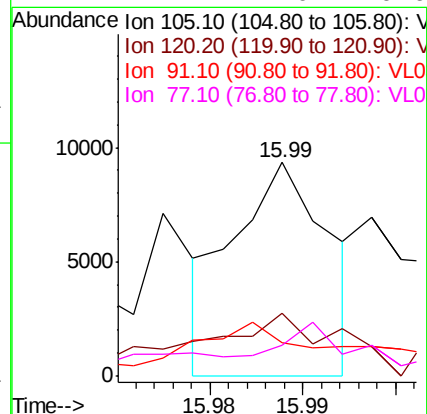
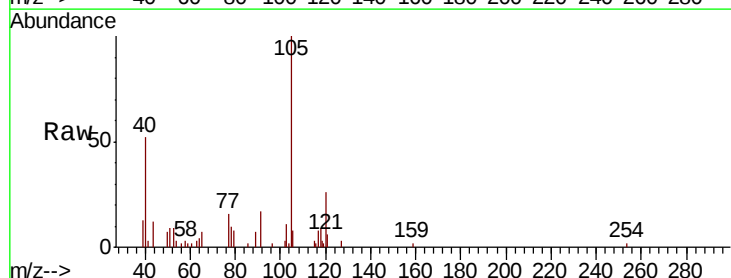
Ion Ratio Lower Upper

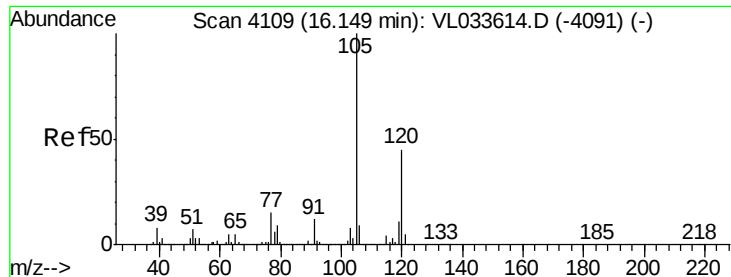
105 100

120 63.6 23.2 34.8#

91 62.2 10.3 15.5#

77 44.4 11.0 16.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.014 ppbv

RT: 16.14 min Scan# 4105

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

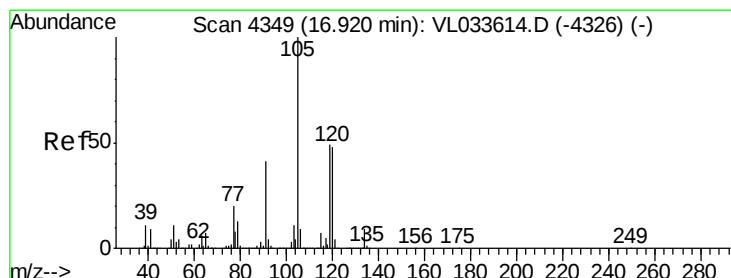
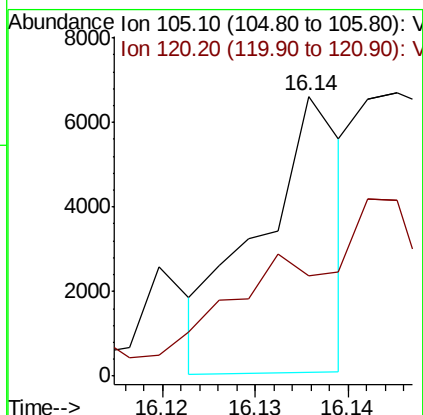
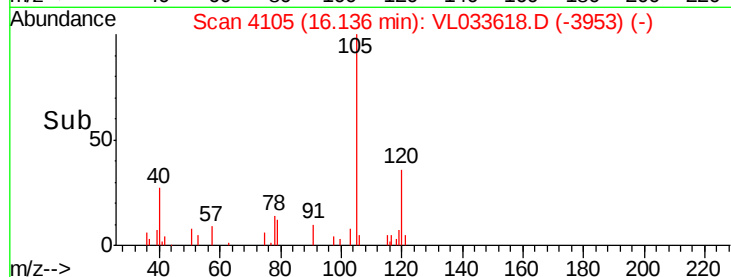
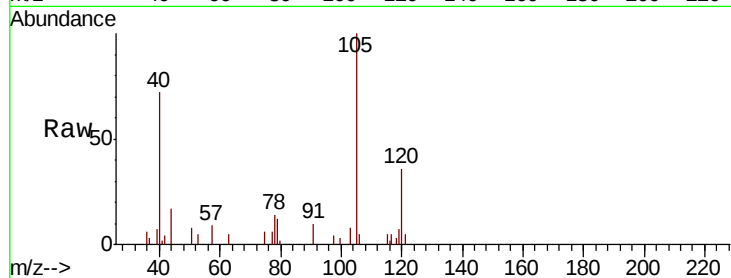
VSTDIC0.1

Tgt Ion:105 Resp: 4094

Ion Ratio Lower Upper

105 100

120 28.4 36.2 54.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.024 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. 0.00 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Tgt Ion:105 Resp: 7992

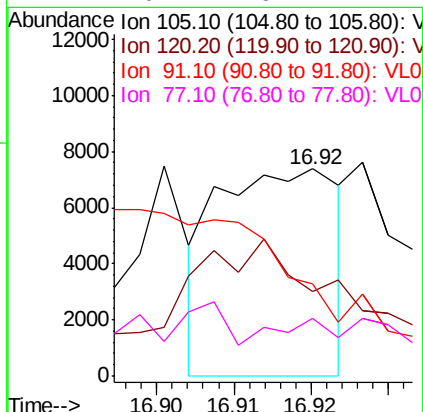
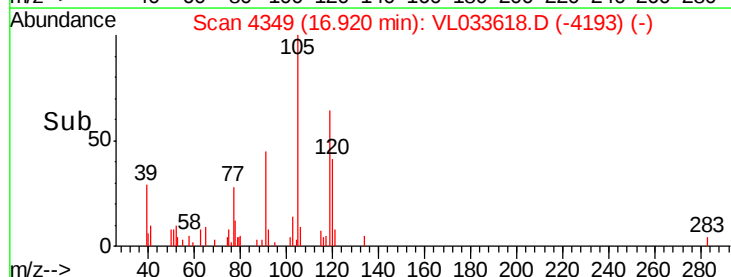
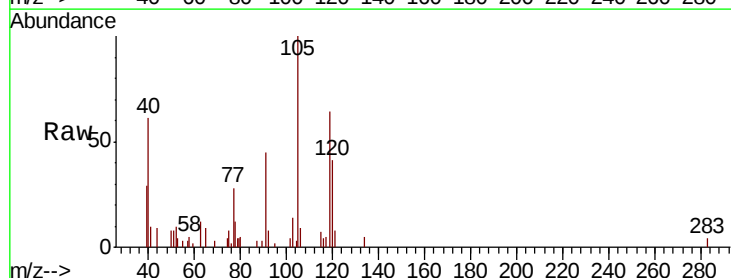
Ion Ratio Lower Upper

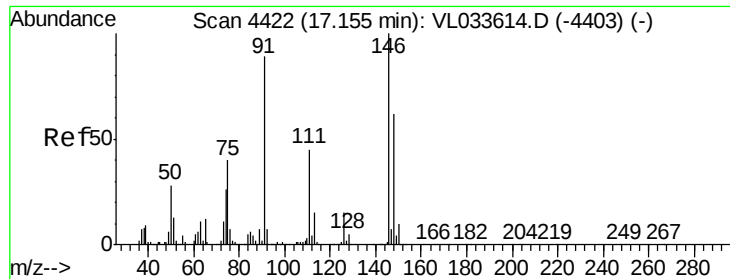
105 100

120 5.5 38.4 57.6#

91 40.9 33.0 49.4

77 20.1 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 0.034 ppbv

RT: 17.15 min Scan# 4419

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

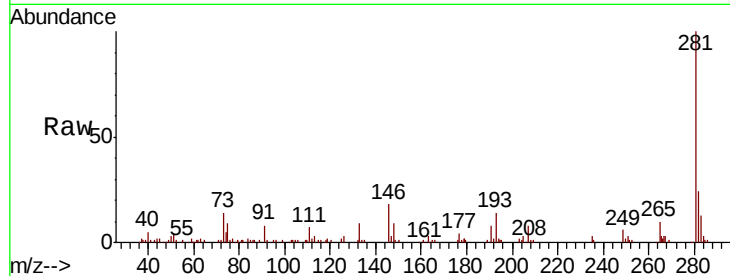
Tgt Ion:146 Resp: 6869

Ion Ratio Lower Upper

146 100

111 193.6 22.4 67.2#

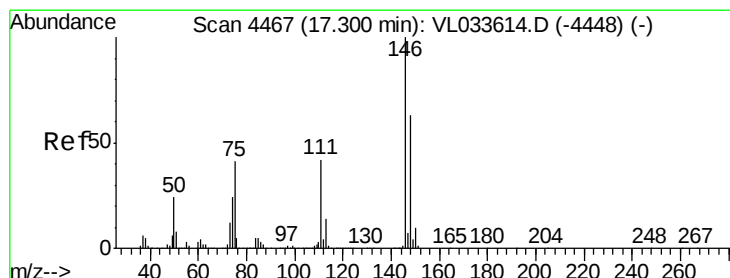
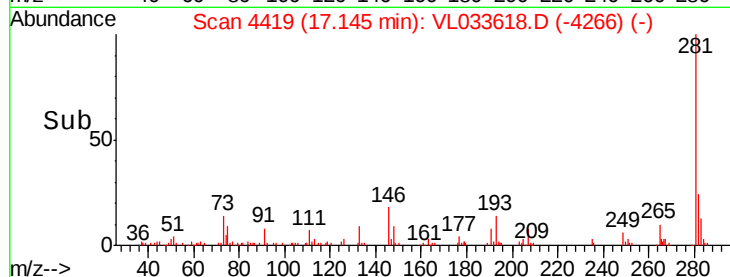
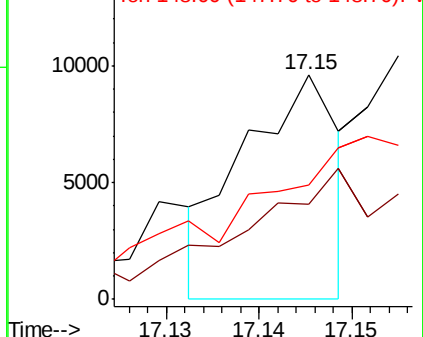
148 0.0 32.0 96.0#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.051 ppbv

RT: 17.29 min Scan# 4465

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

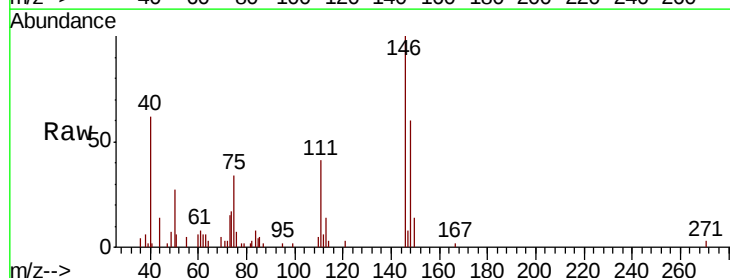
Tgt Ion:146 Resp: 9916

Ion Ratio Lower Upper

146 100

111 83.6 21.6 65.0#

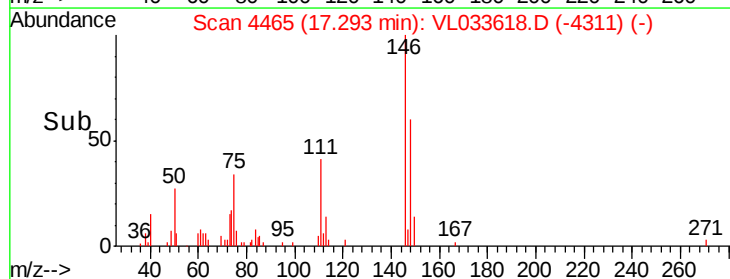
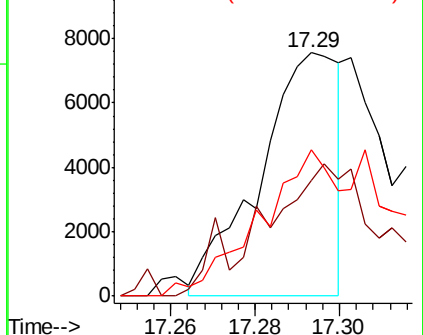
148 0.0 32.3 96.9#

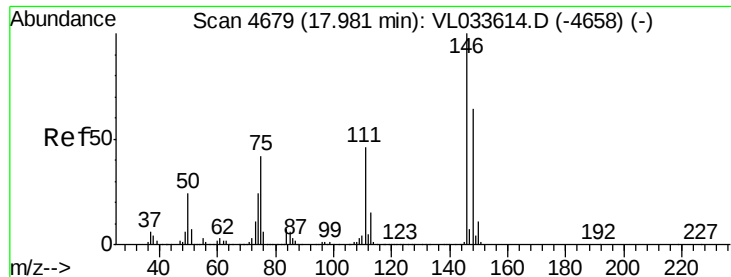


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.033 ppbv

RT: 17.97 min Scan# 4677

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

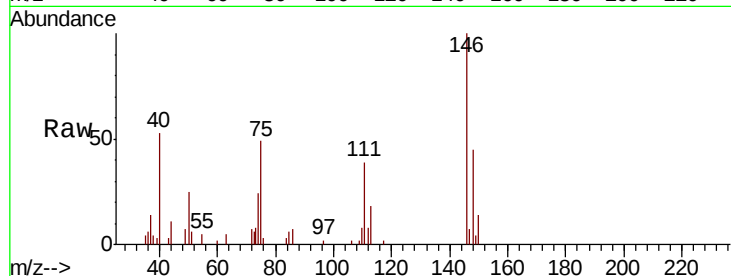
Tgt Ion:146 Resp: 6260

Ion Ratio Lower Upper

146 100

111 0.0 23.3 69.9#

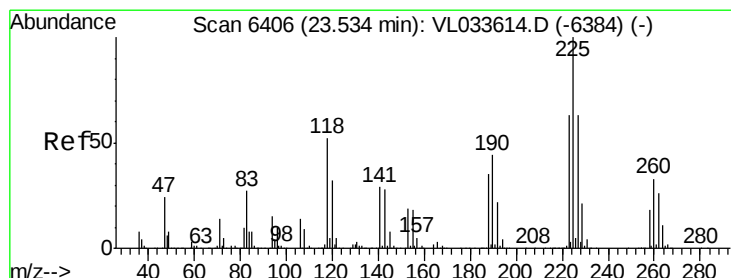
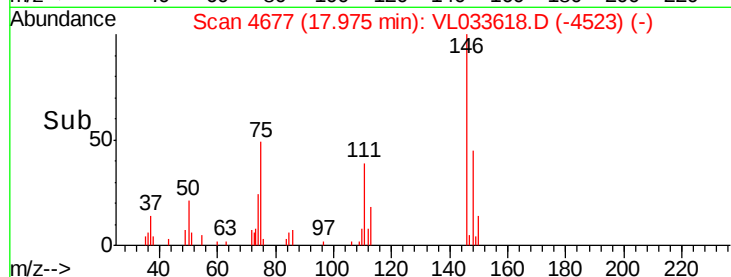
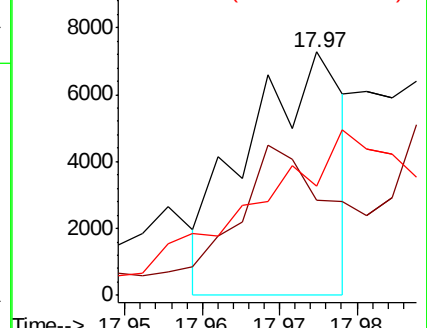
148 164.4 32.2 96.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.077 ppbv

RT: 23.53 min Scan# 6404

Delta R.T. -0.01 min

Lab File: VL033618.D

Acq: 1 May 2019 14:30

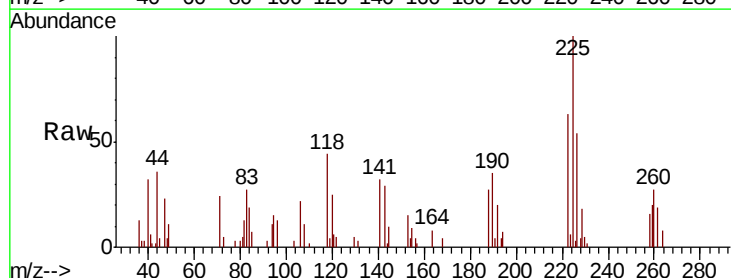
Tgt Ion:225 Resp: 11108

Ion Ratio Lower Upper

225 100

223 99.4 50.4 75.6#

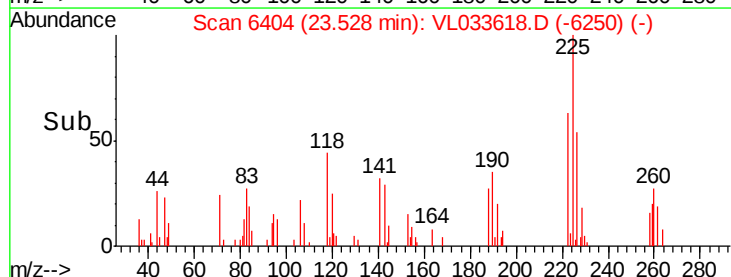
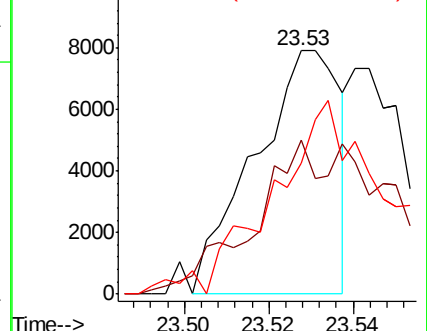
227 0.0 50.7 76.1#

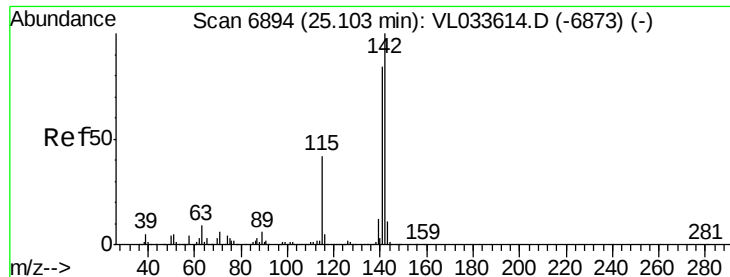


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

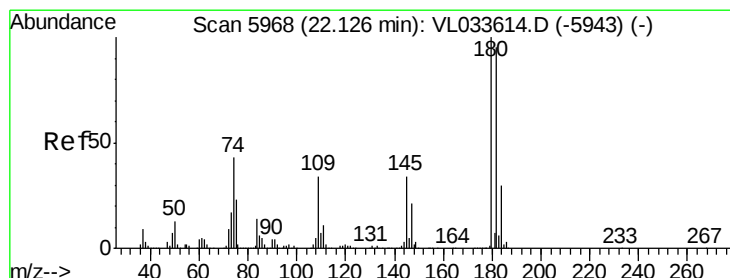
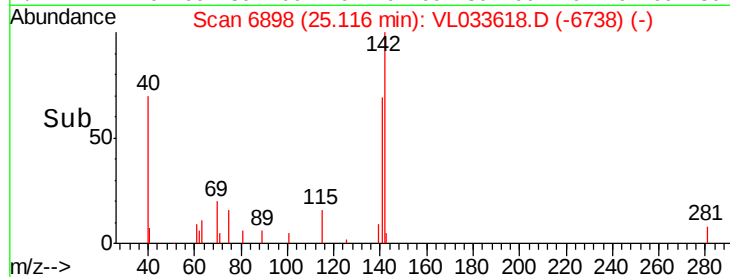
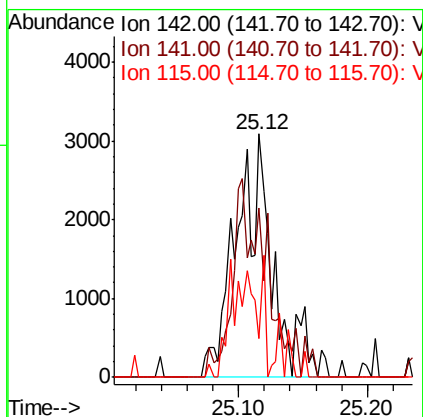
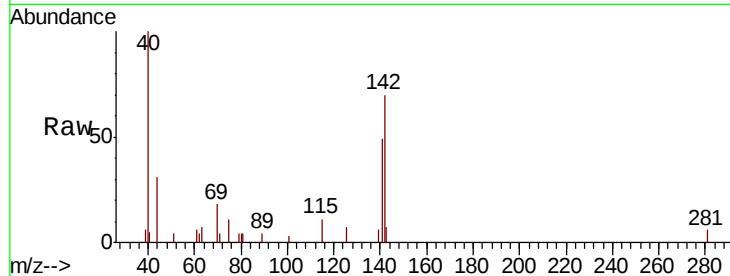




#80
Naphthalene, 2-methyl-
Concen: 0.046 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:142 Resp: 6058
Ion Ratio Lower Upper
142 100
141 76.9 67.3 100.9
115 41.9 33.8 50.8



#81
1,2,4-Trichlorobenzene
Concen: 0.036 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. 0.00 min
Lab File: VL033618.D
Acq: 1 May 2019 14:30

Tgt Ion:180 Resp: 6231
Ion Ratio Lower Upper
180 100
182 219.3 76.2 114.2#
184 48.4 24.5 36.7#

