

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
 Data File : VL033615.D
 Acq On : 1 May 2019 12:34
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: May 02 04:07:05 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	1142919	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2737153	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2924255	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2277243	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	247457	1.437	ppbv	98
3) Chlorodifluoromethane	3.00	51	324097	2.215	ppbv	94
4) Chloromethane	3.16	50	156404	2.101	ppbv	100
5) Vinyl Chloride	3.28	62	154040	1.973	ppbv	97
6) Bromomethane	3.51	94	95535	2.079	ppbv	91
7) Chloroethane	3.59	64	52914	2.033	ppbv	100
8) Dichlorotetrafluoroethane	3.21	85	397460	2.121	ppbv	99
9) Propene	3.02	41	31095	0.795	ppbv	94
10) Heptane	8.23	43	313681	2.168	ppbv	99
11) Trichlorofluoromethane	3.99	101	398171	1.945	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.54	101	271804	1.936	ppbv	100
13) Ethanol	3.64	45	34283	1.932	ppbv	96
14) Bromoethene	3.78	108	119640	2.076	ppbv	98
15) Acetone	3.89	43	286659	2.060	ppbv	97
16) 1,3-Butadiene	3.35	39	130637	2.086	ppbv	100
17) tert-Butyl alcohol	4.35	59	233723	1.945	ppbv	100
18) 1,1-Dichloroethene	4.34	96	119368	1.956	ppbv	97
19) Isopropyl Alcohol	4.01	45	180324	1.888	ppbv #	97
20) Methylene Chloride	4.40	84	104666	1.930	ppbv	98
21) Allyl Chloride	4.47	41	167978	1.919	ppbv	100
22) trans-1,2-Dichloroethene	4.95	96	111294	1.862	ppbv	95
23) Vinyl Acetate	5.14	43	431837	2.087	ppbv	99
24) 1,1-Dichloroethane	5.08	63	323247	2.098	ppbv	98
25) Ethyl Acetate	5.76	43	565444	2.141	ppbv	99
26) Hexane	5.77	57	238326	2.143	ppbv	96
27) Carbon Disulfide	4.61	76	254444	1.889	ppbv #	94
28) Methyl tert-Butyl Ether	5.11	73	405712	2.164	ppbv	99
29) Chloroform	5.84	83	426531	2.093	ppbv	98
30) Cyclohexane	7.24	84	204593	2.122	ppbv	87
31) cis-1,2-Dichloroethene	5.63	61	238653	2.126	ppbv	96
32) 1,1,1-Trichloroethane	6.61	97	434006	2.033	ppbv	99
34) 2-Butanone	5.32	43	374347	2.228	ppbv	98
35) Carbon Tetrachloride	7.12	117	449906	2.075	ppbv	96
36) Benzene	6.99	78	504987	2.165	ppbv	99
37) 1,2-Dichloroethane	6.40	62	326575	2.107	ppbv	99
38) Trichloroethene	7.95	130	202896	2.172	ppbv	97
39) 1,2-Dichloropropane	7.72	63	188097	2.139	ppbv	90
40) 1,4-Dioxane	7.95	88	73304	2.052	ppbv	74
41) Tetrahydrofuran	6.15	42	193505	2.156	ppbv	98
42) Bromodichloromethane	7.90	83	445136	2.122	ppbv	97
43) Methyl Methacrylate	8.12	69	191143	2.164	ppbv	100

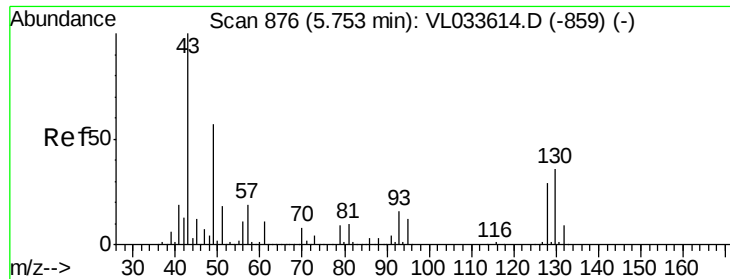
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
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Quant Time: May 02 04:07:05 2019
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 04:03:11 2019
 QLast Update : Thu May 02 04:03:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	876824	2.157	ppbv	98
45) t-1,3-Dichloropropene	9.40	75	234114	1.996	ppbv	97
46) cis-1,3-Dichloropropene	8.82	75	274771	2.077	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	216369	1.886	ppbv	98
48) Dibromochloromethane	10.44	129	349625	1.801	ppbv	99
49) Bromoform	13.19	173	312460	2.101	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	581661	2.209	ppbv	98
51) 2-Hexanone	10.26	43	446505	1.931	ppbv #	97
52) Tetrachloroethene	11.36	164	189621	2.115	ppbv	98
53) Toluene	9.93	91	576774	1.960	ppbv	99
54) 1,2-Dibromoethane	10.74	107	324900	2.060	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	264695	2.073	ppbv #	1
57) Chlorobenzene	12.29	112	474550	2.087	ppbv	99
58) Ethyl Benzene	12.85	91	795113	2.336	ppbv	93
59) m/p-Xylene	13.14	91	705737	2.399	ppbv #	100
60) o-Xylene	13.84	91	689965	2.334	ppbv	98
61) Styrene	13.67	104	471255	2.329	ppbv	98
62) Isopropylbenzene	14.81	105	913183	2.311	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.82	83	495523	2.140	ppbv	98
64) n-propylbenzene	15.71	120	239558	2.337	ppbv	92
65) tert-Butylbenzene	16.89	119	909180	2.460	ppbv	98
66) Benzyl Chloride	17.15	91	386095	2.300	ppbv	99
67) sec-Butylbenzene	17.45	105	1294944	2.495	ppbv	99
69) p-Isopropyltoluene	17.80	119	1097223	2.541	ppbv	99
70) n-Butylbenzene	18.70	91	1207311	2.570	ppbv	98
71) 2-Chlorotoluene	15.61	91	691781	2.340	ppbv	99
72) 4-Ethyltoluene	15.99	105	801573	2.379	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	779081	2.352	ppbv	99
74) 1,2,4-Trimethylbenzene	16.91	105	889047	2.409	ppbv	96
75) 1,3-Dichlorobenzene	17.15	146	548446	2.387	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	533953	2.436	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	529681	2.474	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	353074	2.163	ppbv	100
79) Naphthalene	22.40	128	814954	2.389	ppbv	95
80) Naphthalene,2-methyl-	25.10	142	383251	2.590	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	456968	2.313	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

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MSVOA_L

ClientSampleId :

VSTDIC002

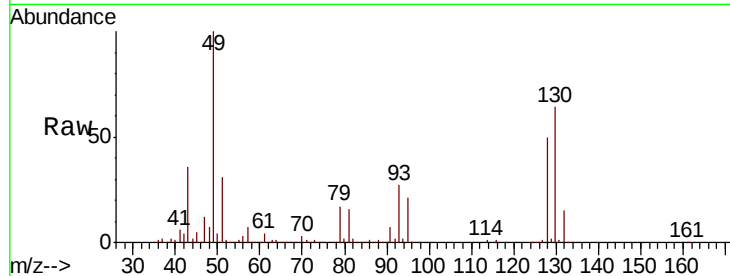
Tgt Ion: 49 Resp: 1142919

Ion Ratio Lower Upper

49 100

128 49.9 25.0 75.0

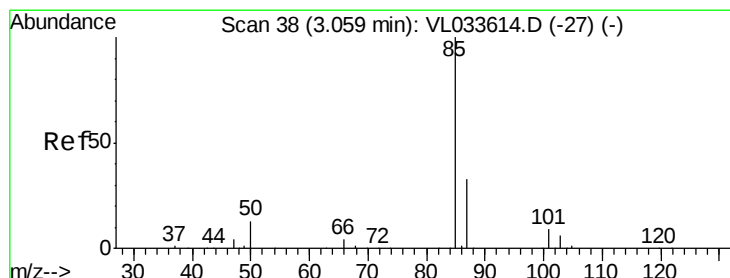
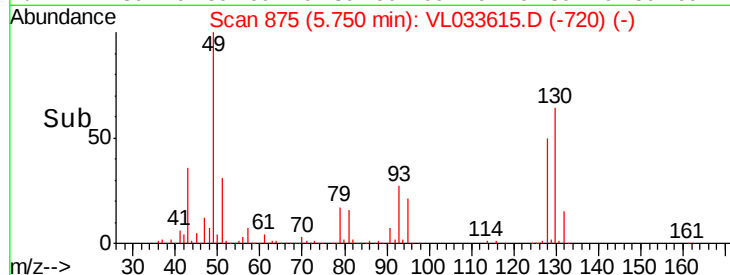
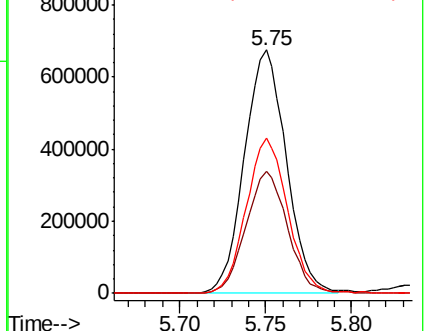
130 63.1 31.9 95.9



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: 1.437 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.00 min

Lab File: VL033615.D

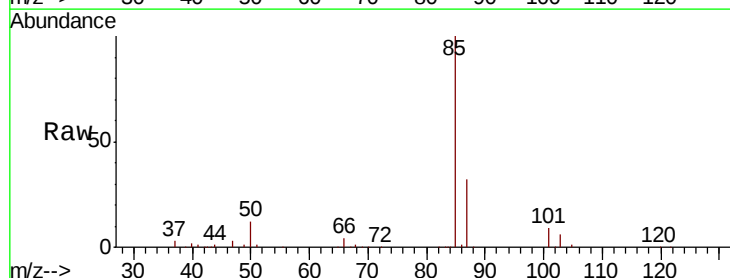
Acq: 1 May 2019 12:34

Tgt Ion: 85 Resp: 247457

Ion Ratio Lower Upper

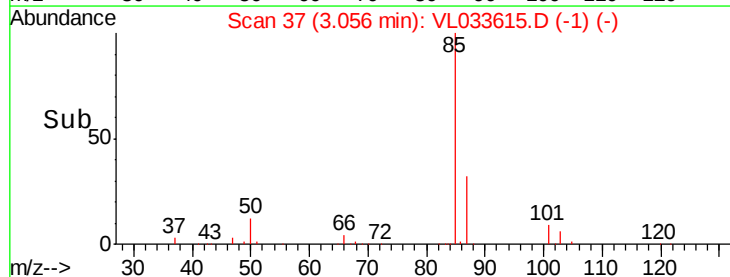
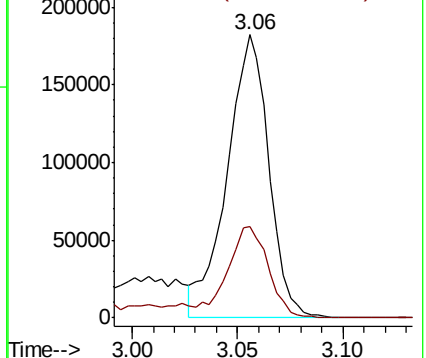
85 100

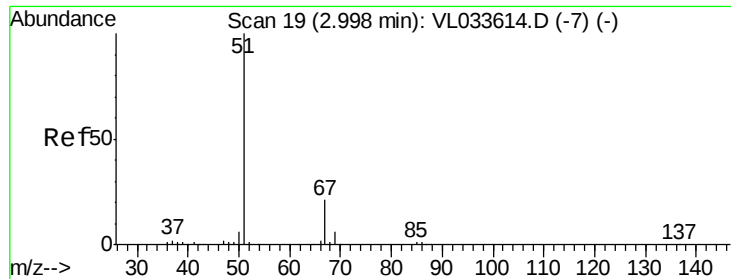
87 32.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

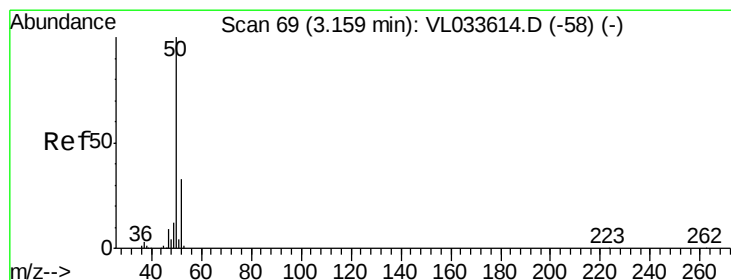
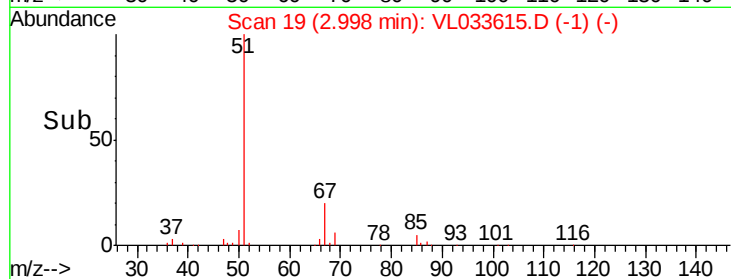
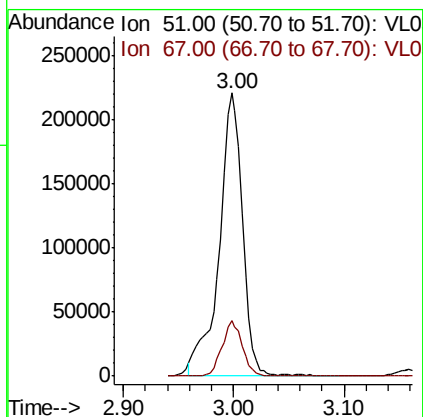
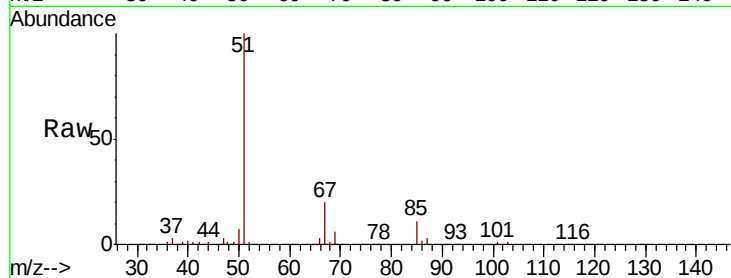




#3
 Chlorodifluoromethane
 Concen: 2.215 ppbv
 RT: 3.00 min Scan# 19
 Delta R.T. 0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

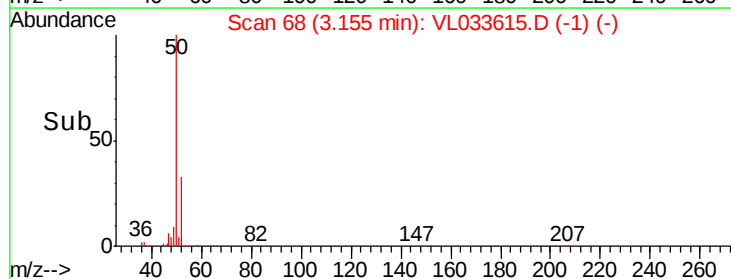
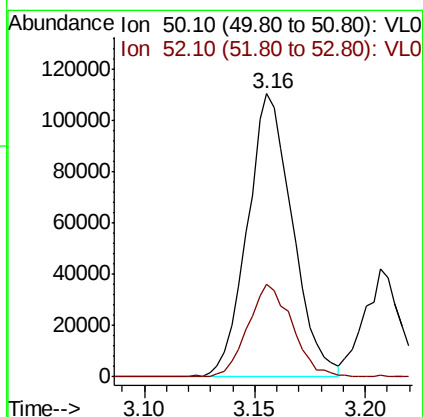
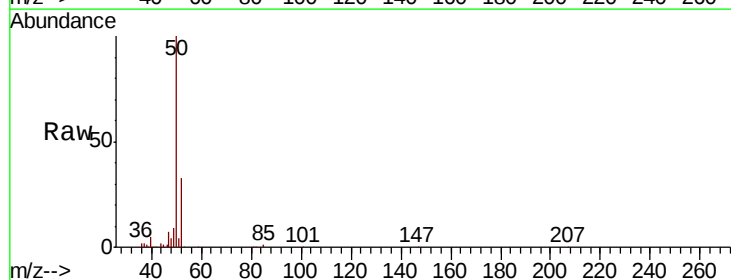
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

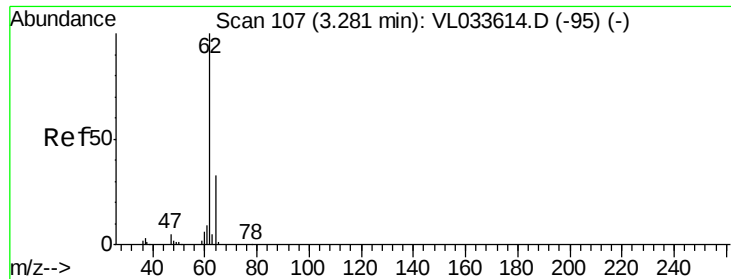
Tgt Ion: 51 Resp: 324097
 Ion Ratio Lower Upper
 51 100
 67 16.8 15.6 23.4



#4
 Chloromethane
 Concen: 2.101 ppbv
 RT: 3.16 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Tgt Ion: 50 Resp: 156404
 Ion Ratio Lower Upper
 50 100
 52 32.7 26.0 39.0





#5

Vinyl Chloride

Concen: 1.973 ppbv

RT: 3.28 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

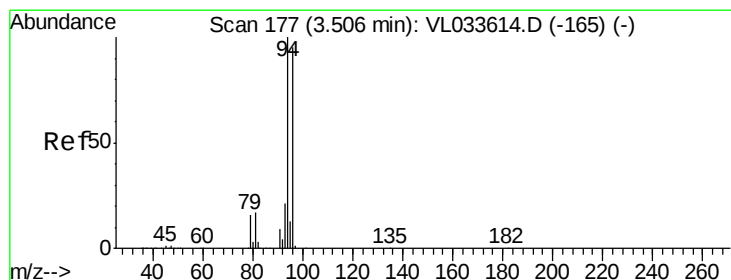
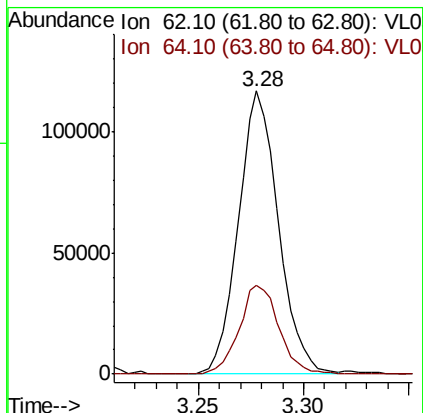
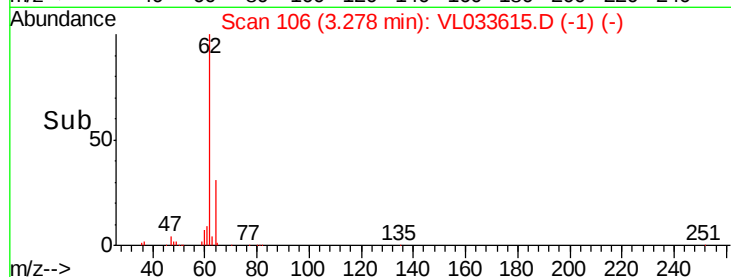
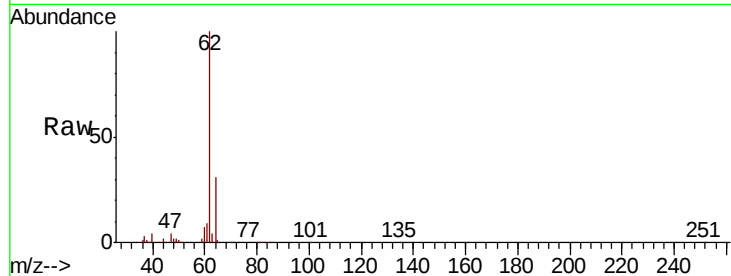
VSTDIC002

Tgt Ion: 62 Resp: 154040

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.4



#6

Bromomethane

Concen: 2.079 ppbv

RT: 3.51 min Scan# 177

Delta R.T. 0.00 min

Lab File: VL033615.D

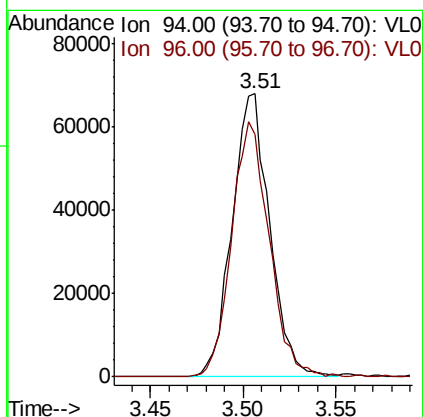
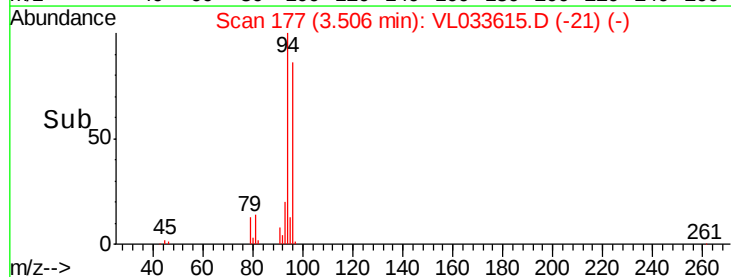
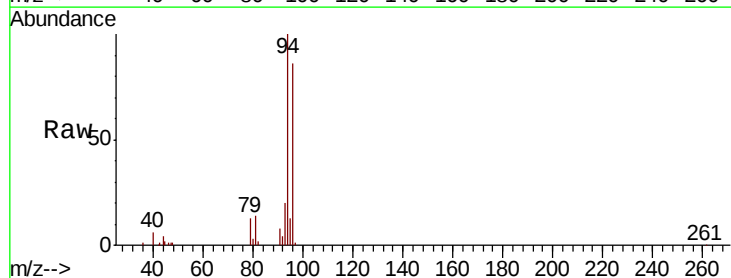
Acq: 1 May 2019 12:34

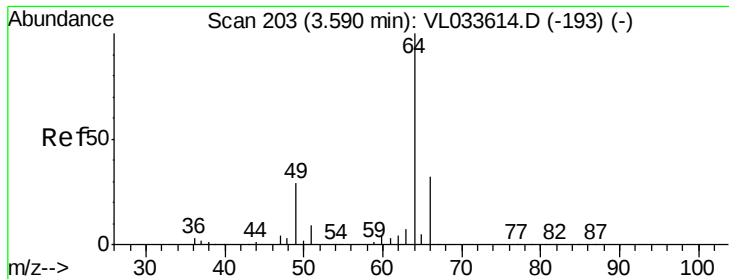
Tgt Ion: 94 Resp: 95535

Ion Ratio Lower Upper

94 100

96 85.8 75.7 113.5





#7

Chloroethane

Concen: 2.033 ppbv

RT: 3.59 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

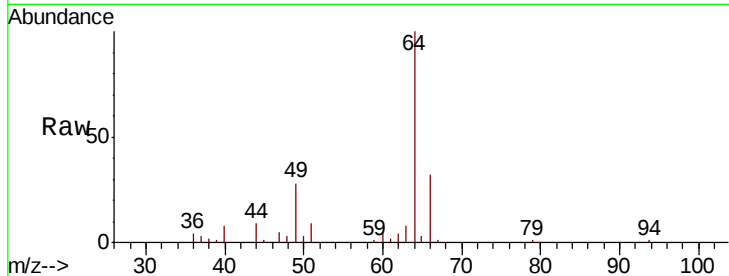
VSTDIC002

Tgt Ion: 64 Resp: 52914

Ion Ratio Lower Upper

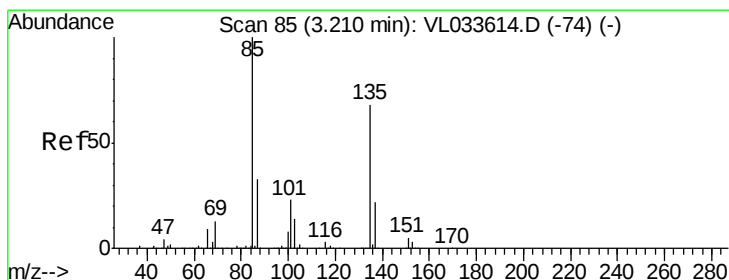
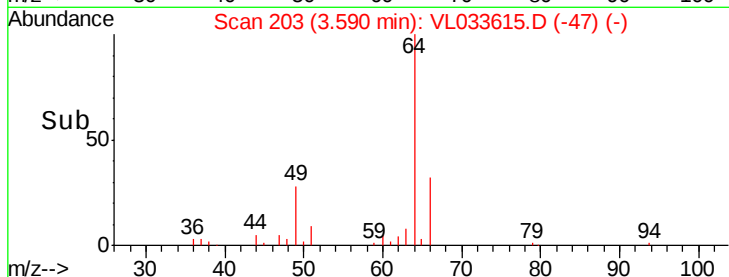
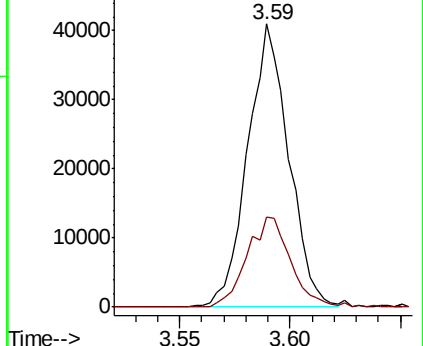
64 100

66 31.7 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.121 ppbv

RT: 3.21 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL033615.D

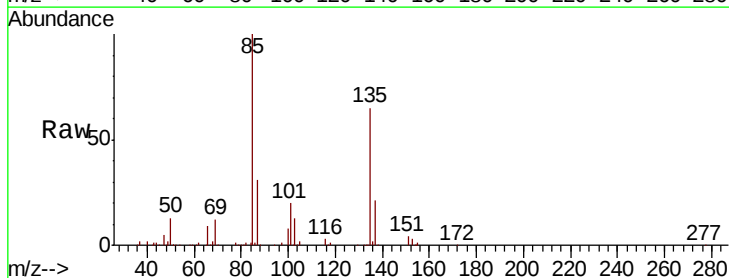
Acq: 1 May 2019 12:34

Tgt Ion: 85 Resp: 397460

Ion Ratio Lower Upper

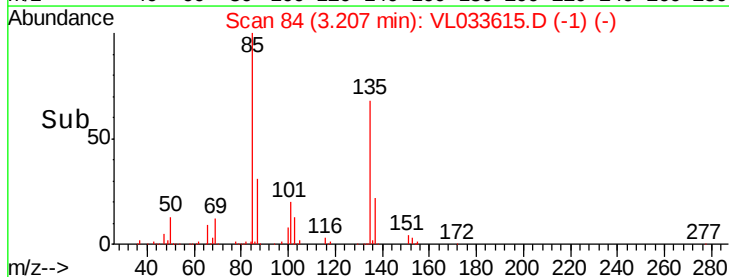
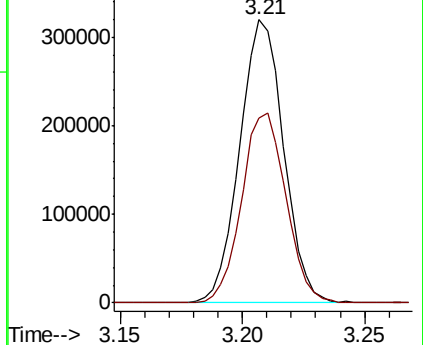
85 100

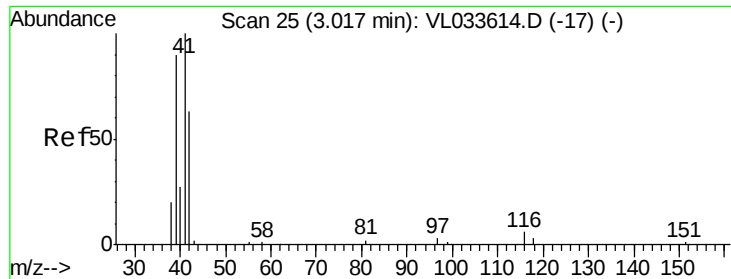
135 67.9 55.0 82.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.795 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

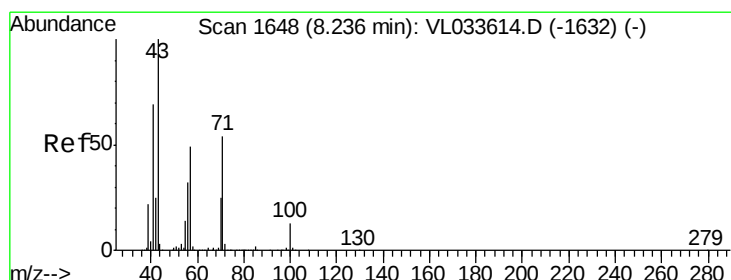
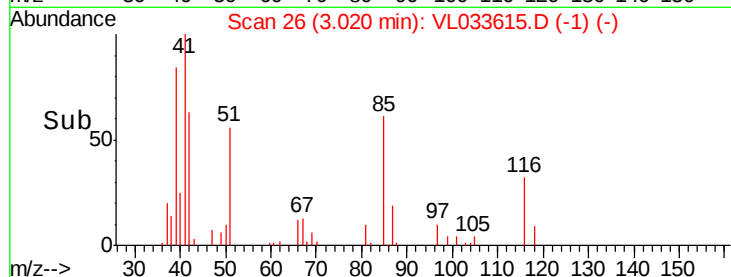
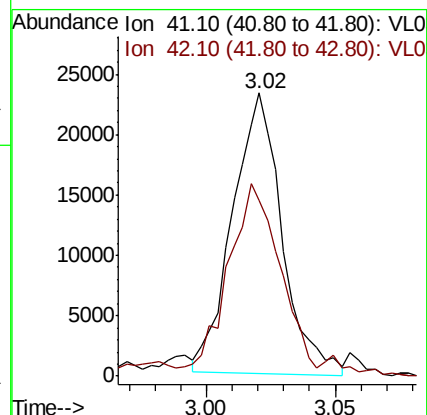
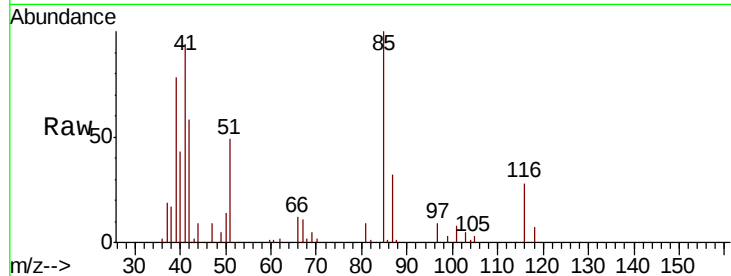
VSTDIC002

Tgt Ion: 41 Resp: 31095

Ion Ratio Lower Upper

41 100

42 77.3 66.0 99.0



#10

Heptane

Concen: 2.168 ppbv

RT: 8.23 min Scan# 1647

Delta R.T. -0.00 min

Lab File: VL033615.D

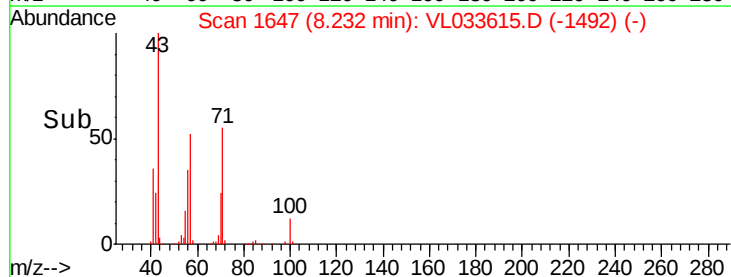
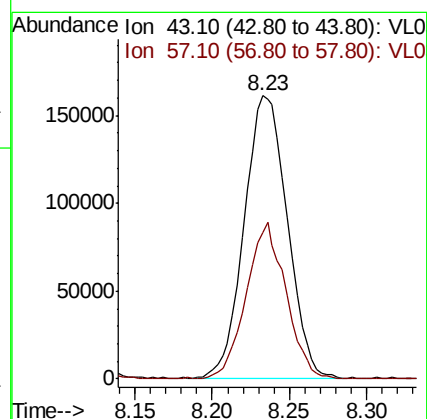
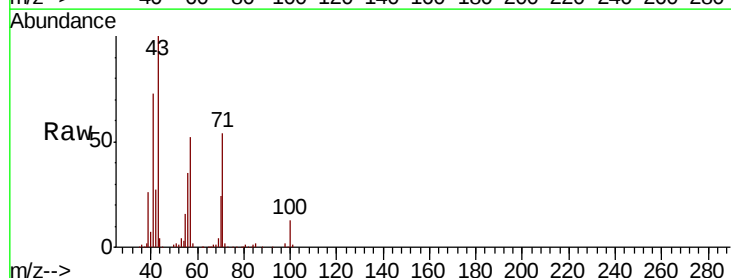
Acq: 1 May 2019 12:34

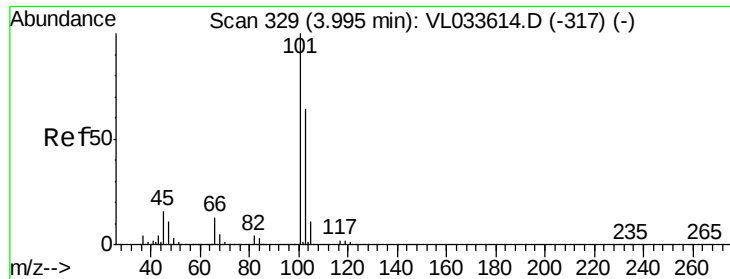
Tgt Ion: 43 Resp: 313681

Ion Ratio Lower Upper

43 100

57 51.1 40.3 60.5

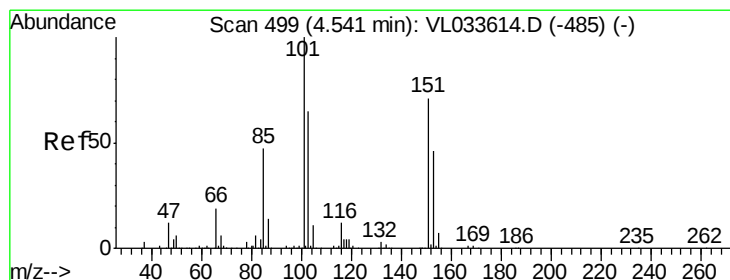
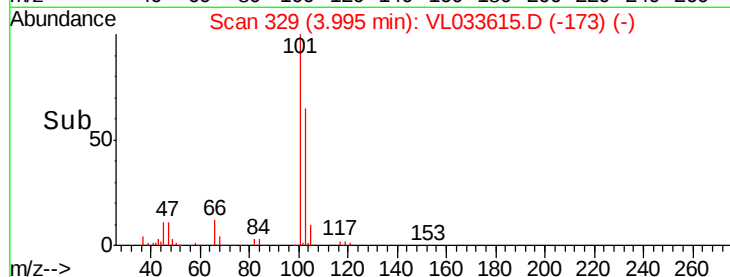
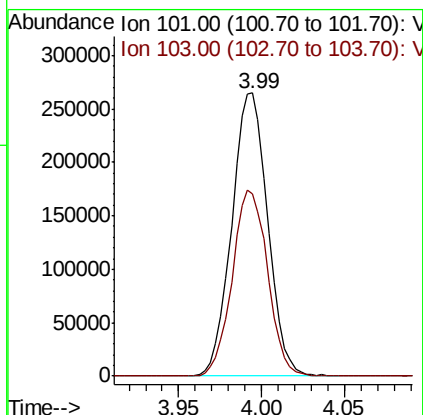
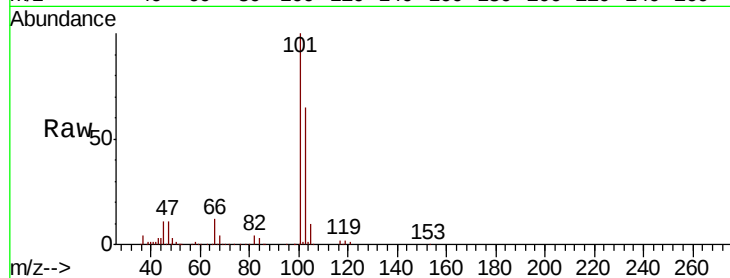




#11
 Trichlorofluoromethane
 Concen: 1.945 ppbv
 RT: 3.99 min Scan# 329
 Delta R.T. 0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

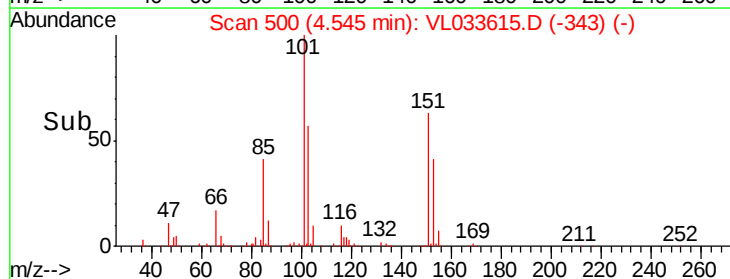
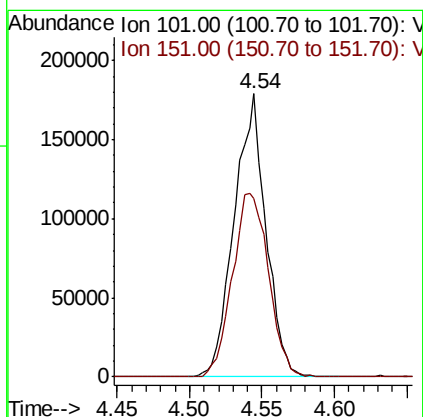
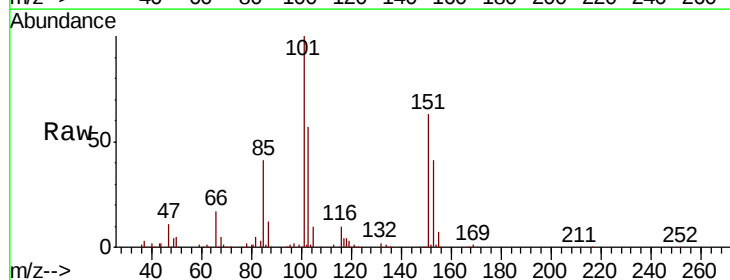
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

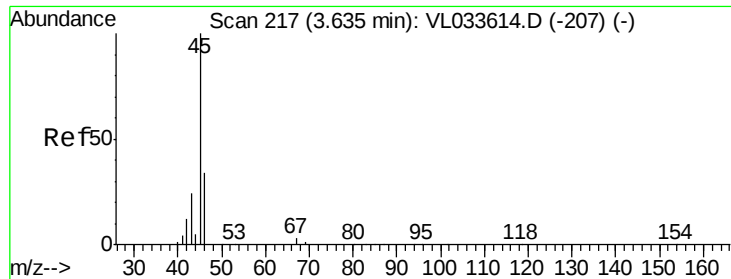
Tgt Ion:101 Resp: 398171
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.936 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Tgt Ion:101 Resp: 271804
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.2 88.8

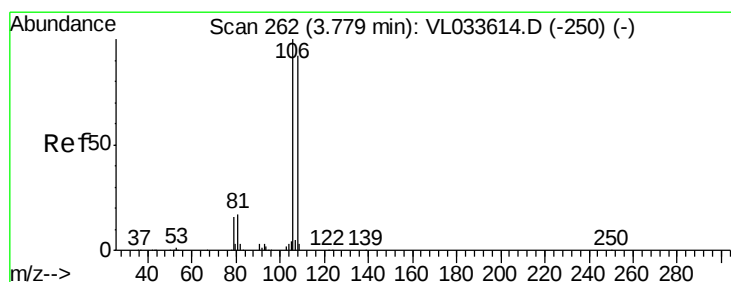
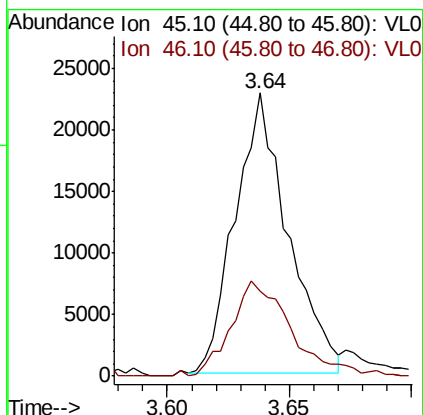
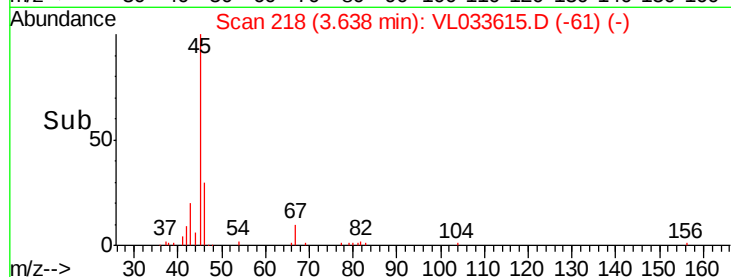
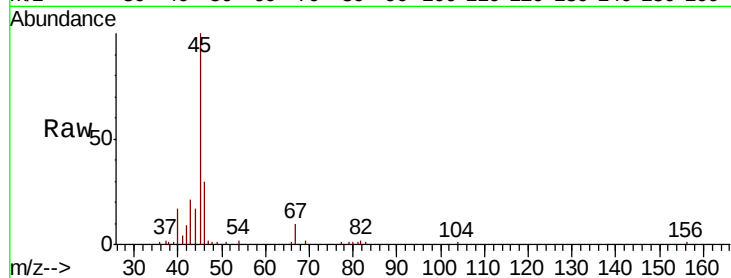




#13
Ethanol
Concen: 1.932 ppbv
RT: 3.64 min Scan# 218
Delta R.T. 0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

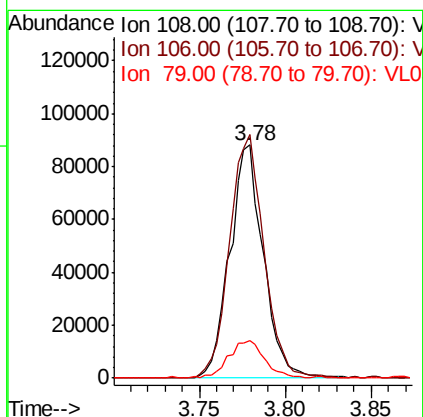
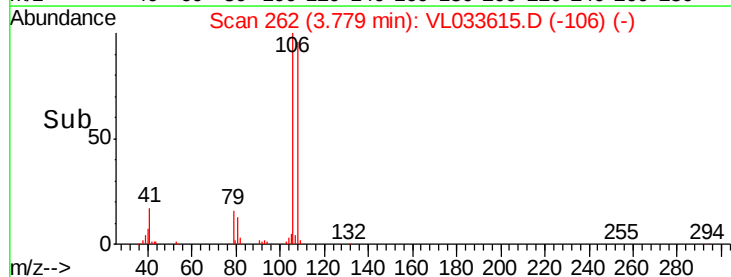
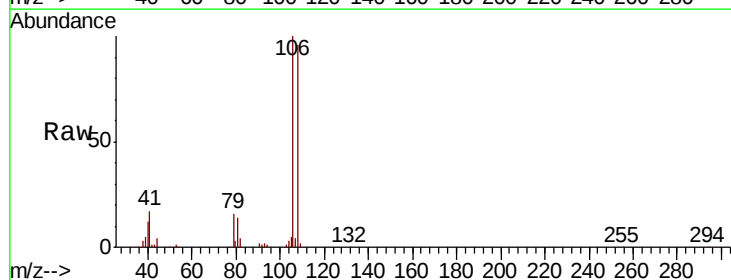
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

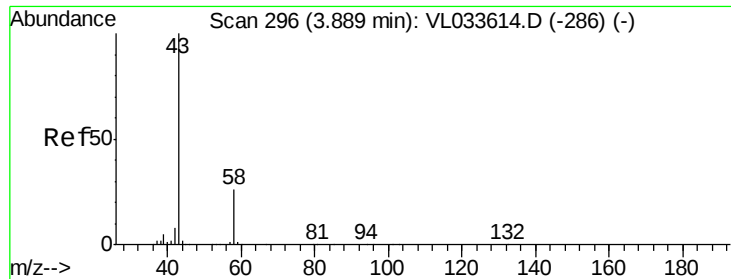
Tgt Ion: 45 Resp: 34283
Ion Ratio Lower Upper
45 100
46 38.9 14.6 58.2



#14
Bromoethene
Concen: 2.076 ppbv
RT: 3.78 min Scan# 262
Delta R.T. 0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion: 108 Resp: 119640
Ion Ratio Lower Upper
108 100
106 107.5 84.6 127.0
79 17.6 14.4 21.6





#15

Acetone

Concen: 2.060 ppbv

RT: 3.89 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

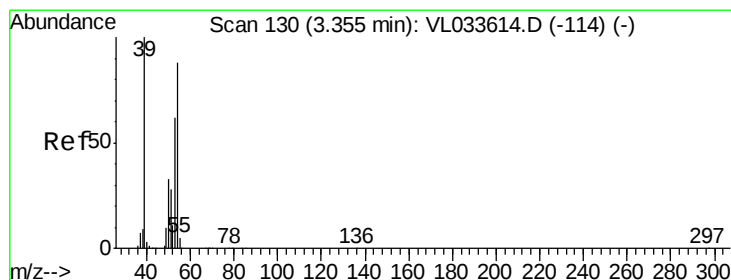
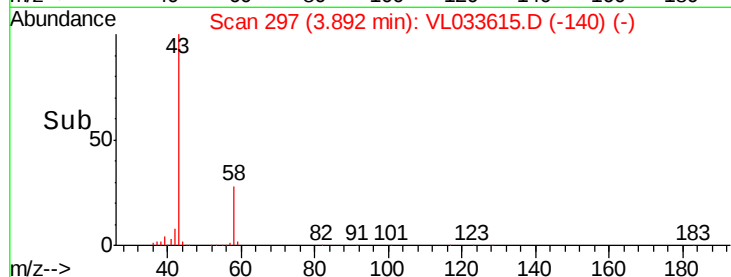
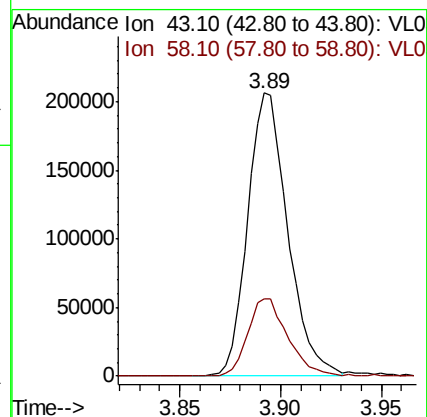
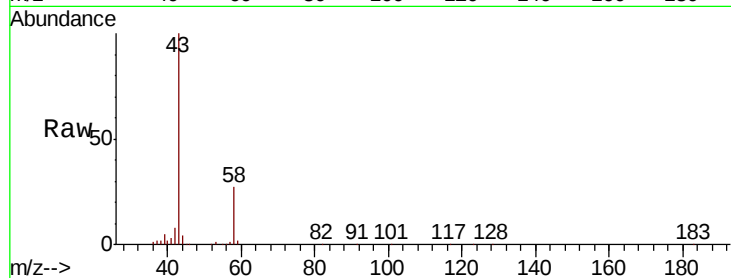
VSTDIC002

Tgt Ion: 43 Resp: 286659

Ion Ratio Lower Upper

43 100

58 27.8 21.2 31.8



#16

1,3-Butadiene

Concen: 2.086 ppbv

RT: 3.35 min Scan# 129

Delta R.T. -0.00 min

Lab File: VL033615.D

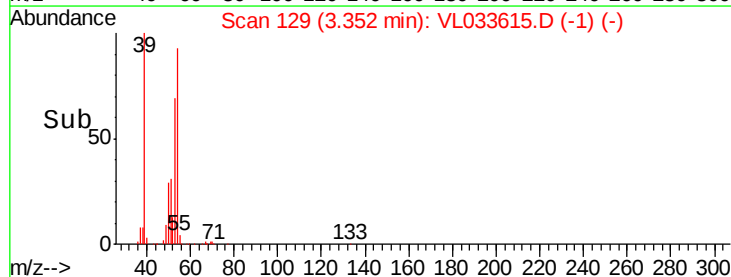
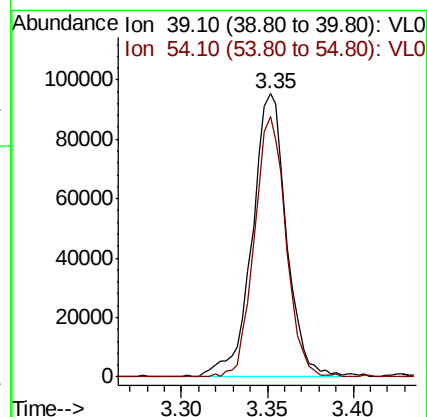
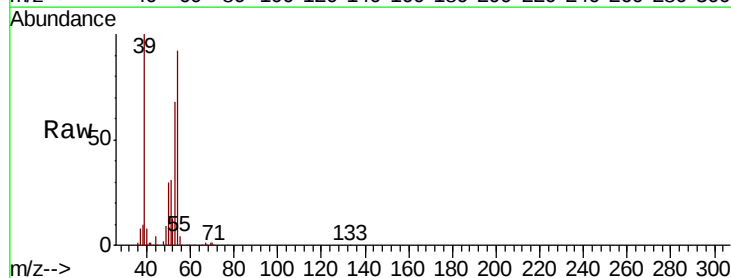
Acq: 1 May 2019 12:34

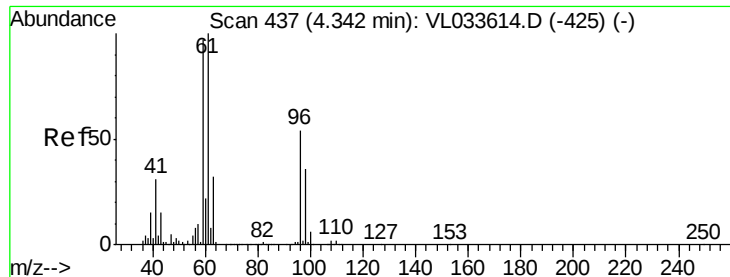
Tgt Ion: 39 Resp: 130637

Ion Ratio Lower Upper

39 100

54 85.5 68.4 102.6





#17

tert-Butyl alcohol

Concen: 1.945 ppbv

RT: 4.35 min Scan# 438

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

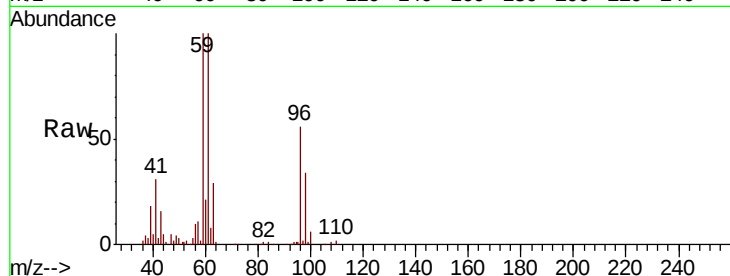
VSTDIC002

Tgt Ion: 59 Resp: 233723

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.35

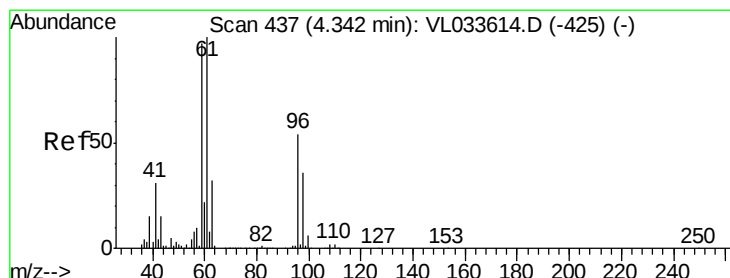
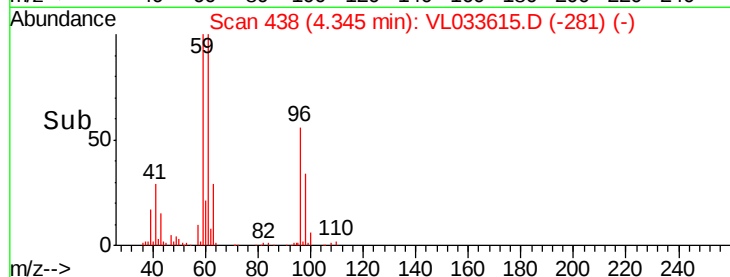
150000

100000

50000

0

Time-->



#18

1,1-Dichloroethene

Concen: 1.956 ppbv

RT: 4.34 min Scan# 437

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

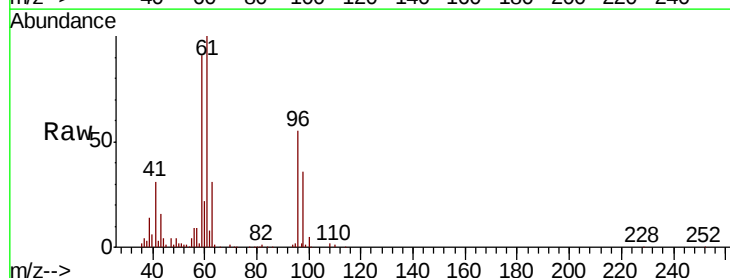
Tgt Ion: 96 Resp: 119368

Ion Ratio Lower Upper

96 100

61 180.4 147.3 220.9

98 64.1 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

200000

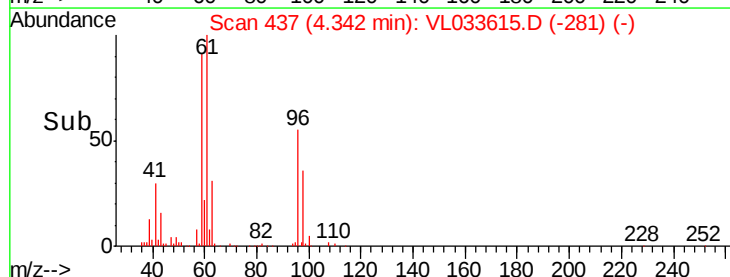
150000

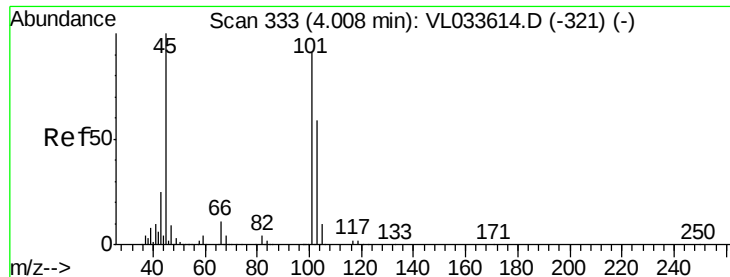
100000

50000

0

Time-->





#19

Isopropyl Alcohol

Concen: 1.888 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

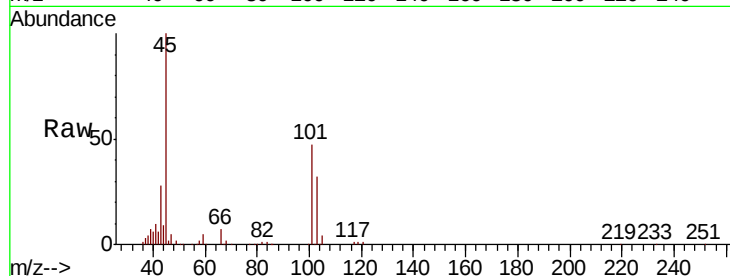
VSTDIC002

Tgt Ion: 45 Resp: 180324

Ion Ratio Lower Upper

45 100

58 3.2 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.01

120000

100000

80000

60000

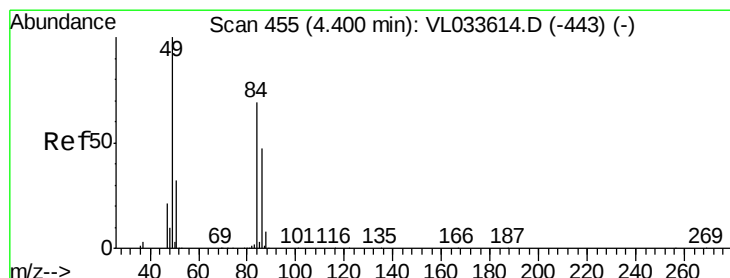
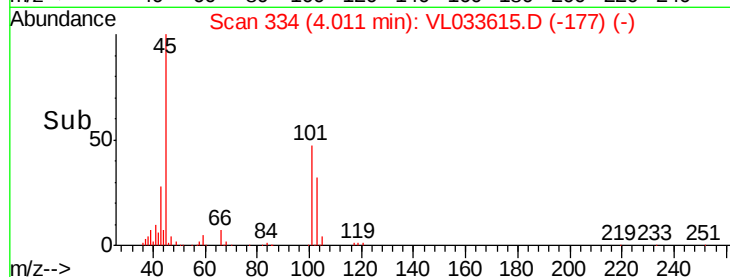
40000

20000

0

Time-->

3.95 4.00 4.05



#20

Methylene Chloride

Concen: 1.930 ppbv

RT: 4.40 min Scan# 455

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Tgt Ion: 84 Resp: 104666

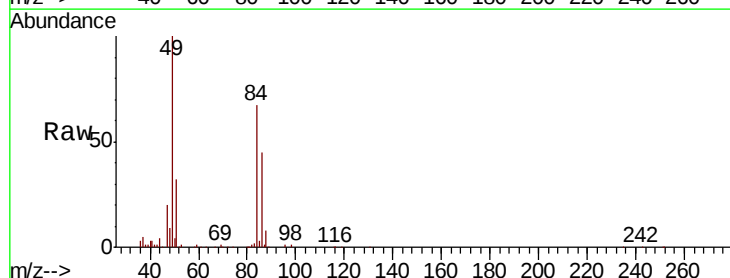
Ion Ratio Lower Upper

84 100

49 149.1 116.2 174.2

51 45.4 37.0 55.6

86 66.7 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

150000

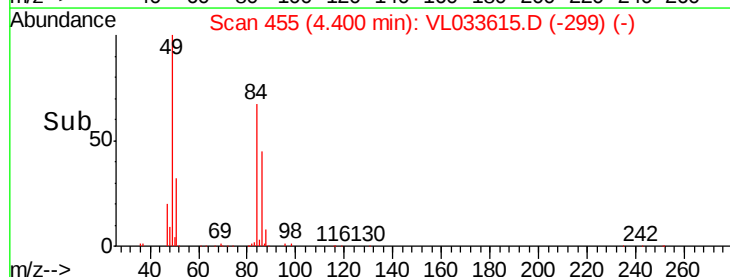
100000

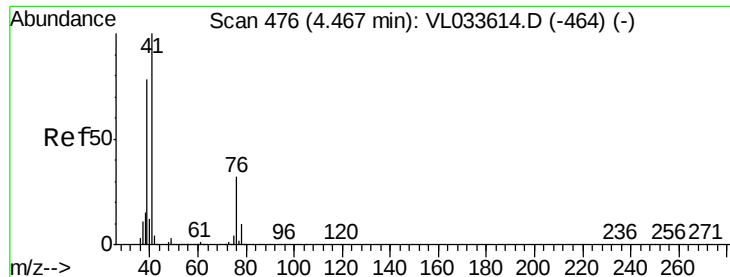
50000

0

Time-->

4.35 4.40 4.45

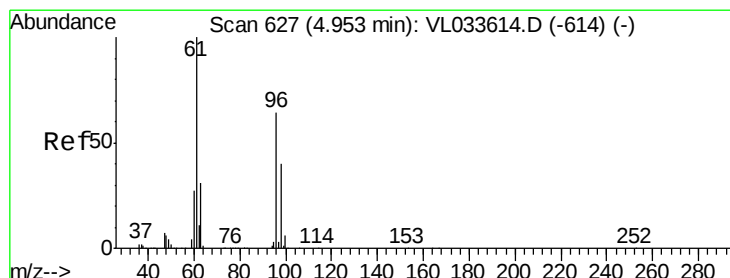
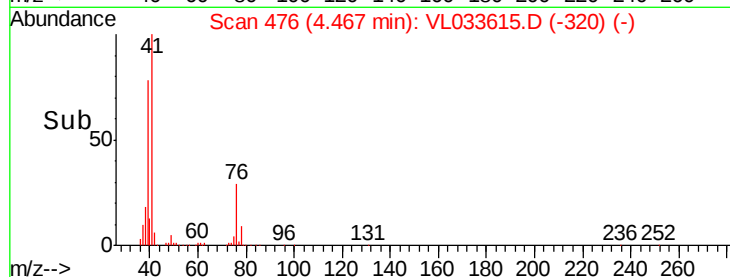
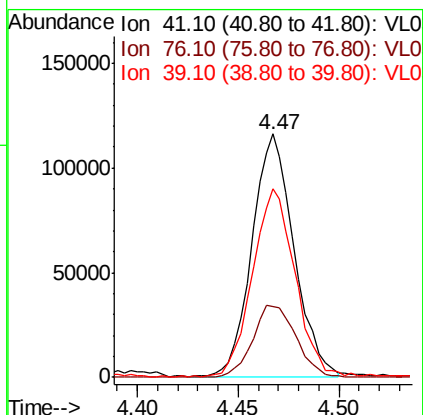
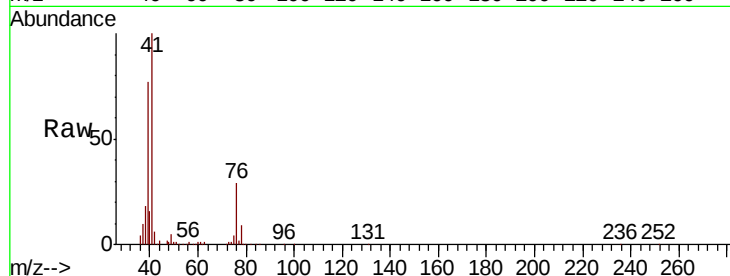




#21
 Allyl Chloride
 Concen: 1.919 ppbv
 RT: 4.47 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

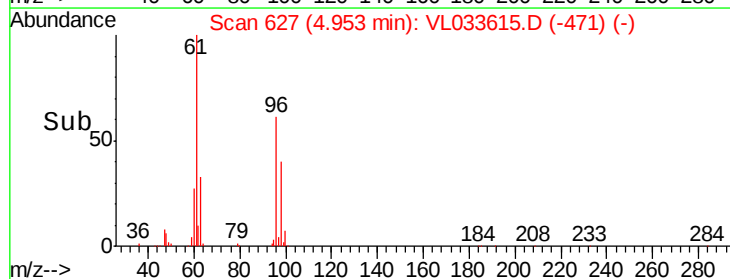
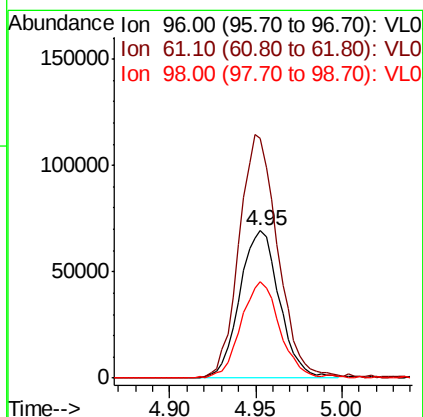
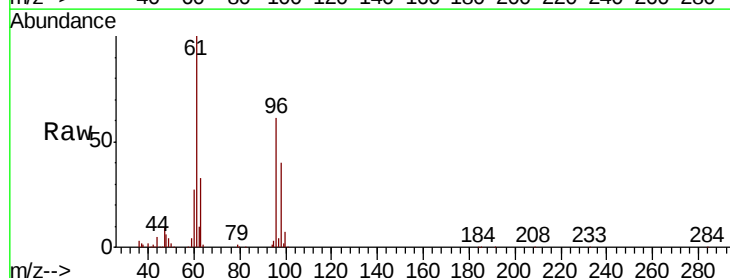
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

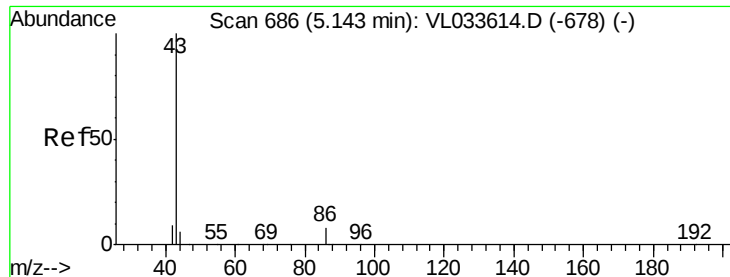
Tgt Ion: 41 Resp: 167978
 Ion Ratio Lower Upper
 41 100
 76 30.9 25.0 37.6
 39 81.0 64.6 96.8



#22
 trans-1,2-Dichloroethene
 Concen: 1.862 ppbv
 RT: 4.95 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Tgt Ion: 96 Resp: 111294
 Ion Ratio Lower Upper
 96 100
 61 162.8 124.9 187.3
 98 65.4 50.5 75.7





#23

Vinyl Acetate

Concen: 2.087 ppbv

RT: 5.14 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 431837

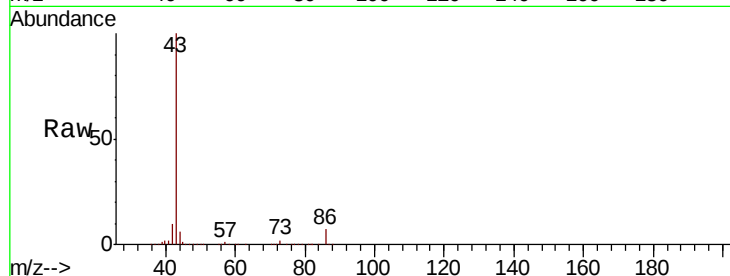
Ion Ratio Lower Upper

43 100

86 7.7 5.8 8.8

42 9.3 7.8 11.8

44 5.6 4.6 7.0

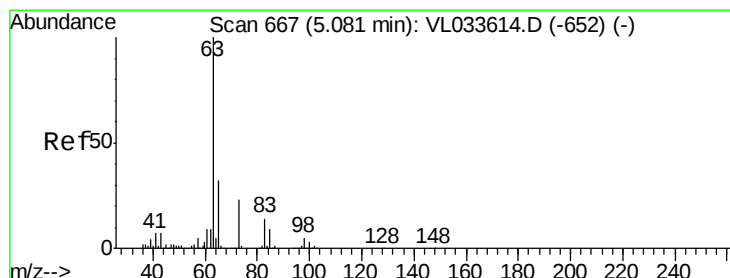
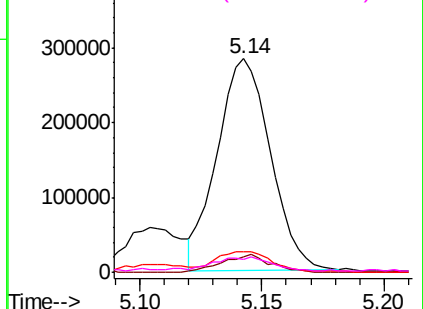
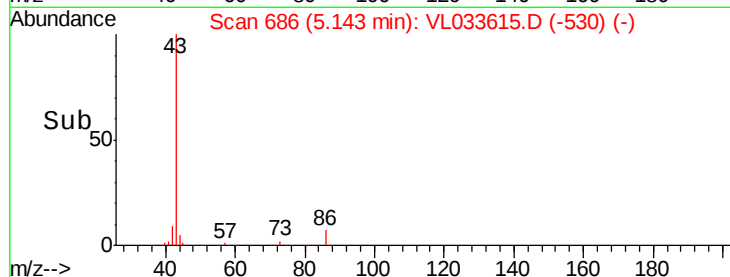


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.098 ppbv

RT: 5.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

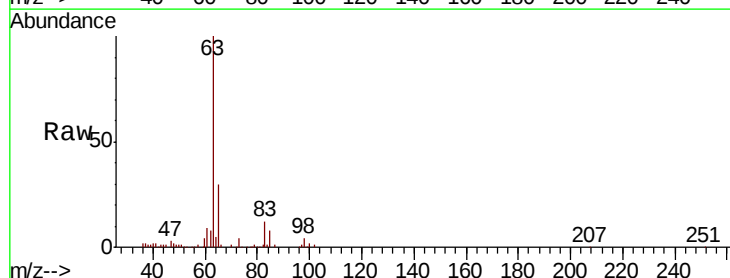
Tgt Ion: 63 Resp: 323247

Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.2

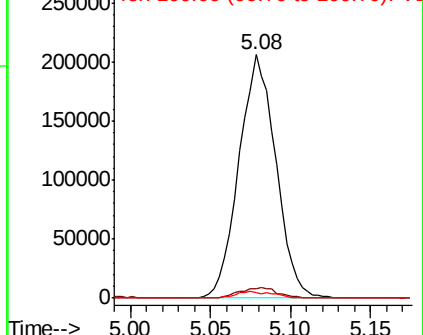
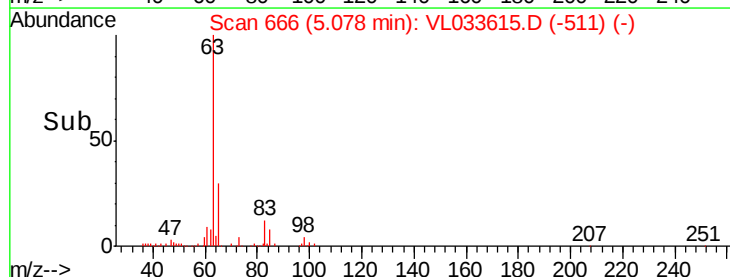
100 2.5 1.4 4.0

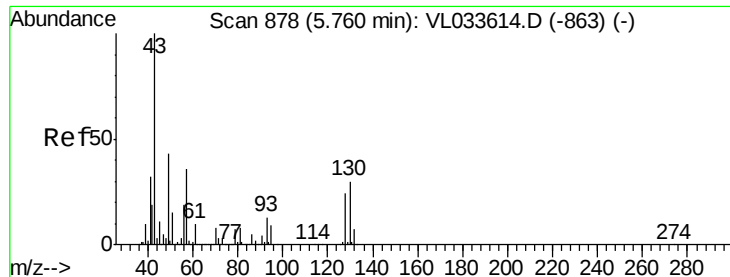


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 2.141 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 565444

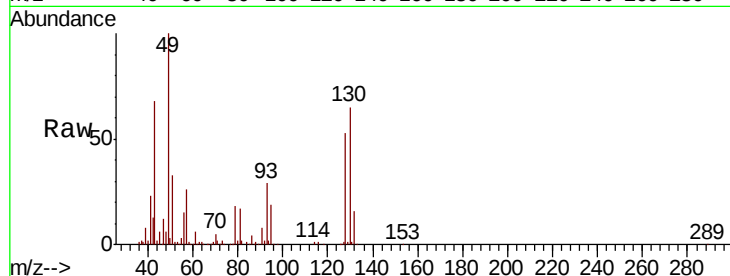
Ion Ratio Lower Upper

43 100

45 9.7 8.1 12.1

61 9.5 7.5 11.3

70 7.0 5.8 8.6

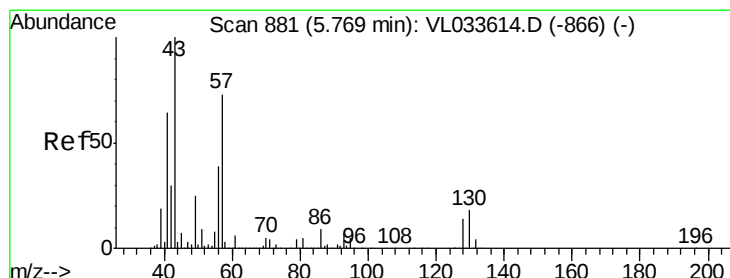
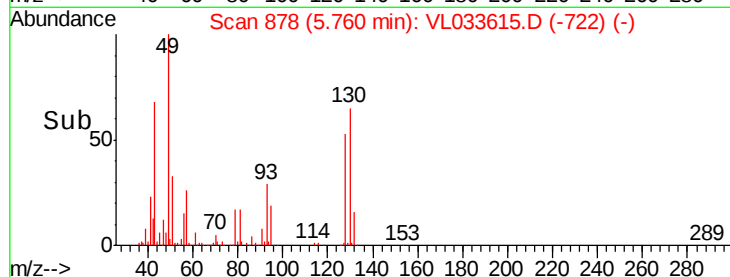
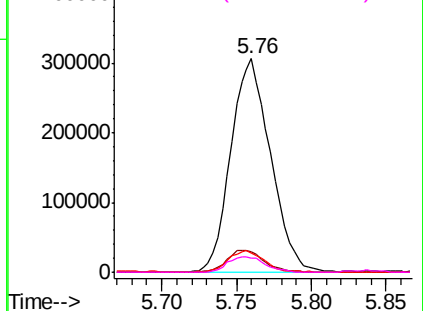


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.143 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Tgt Ion: 57 Resp: 238326

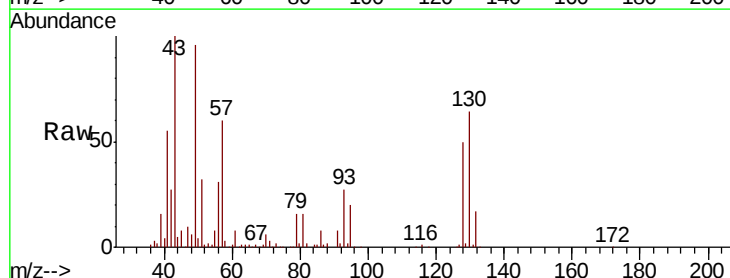
Ion Ratio Lower Upper

57 100

41 94.9 70.6 106.0

43 238.3 186.0 279.0

56 55.3 42.7 64.1

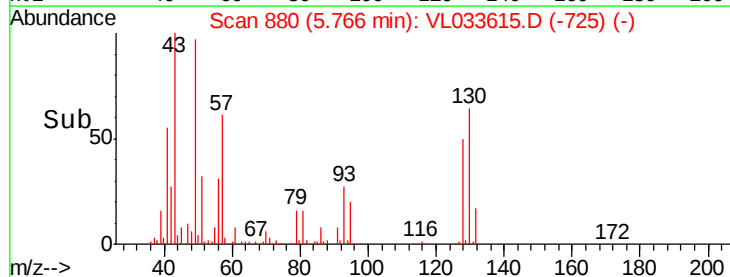
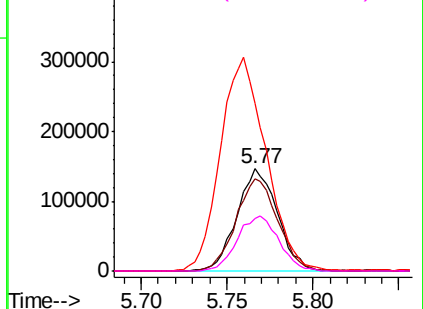


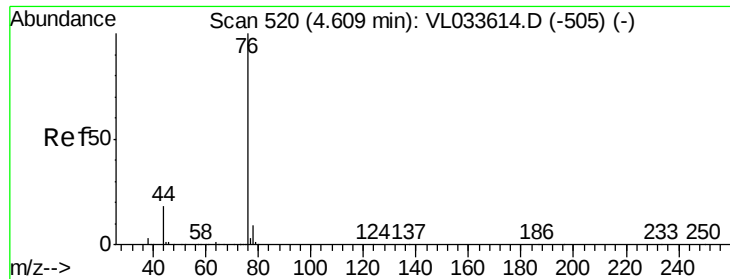
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

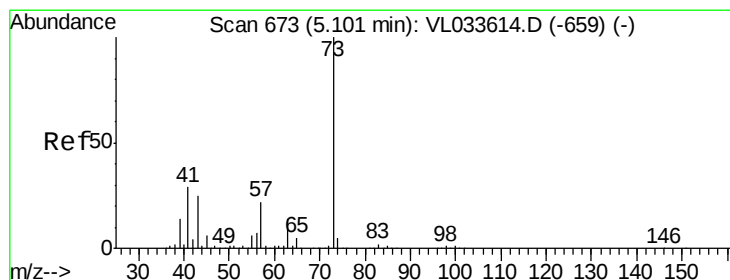
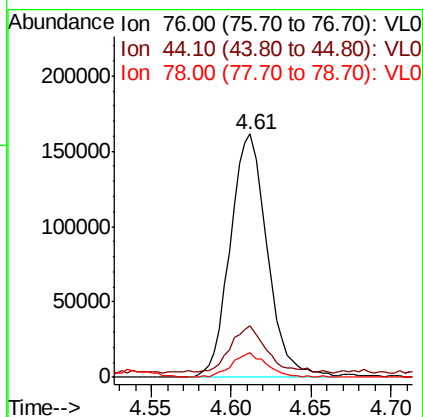
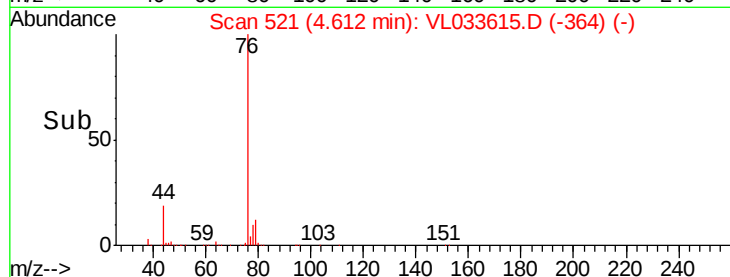
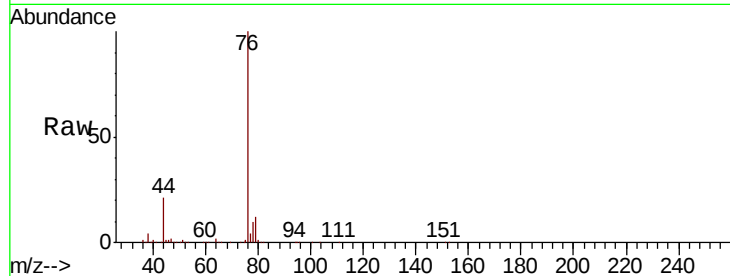




#27
Carbon Disulfide
Concen: 1.889 ppbv
RT: 4.61 min Scan# 521
Delta R.T. 0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

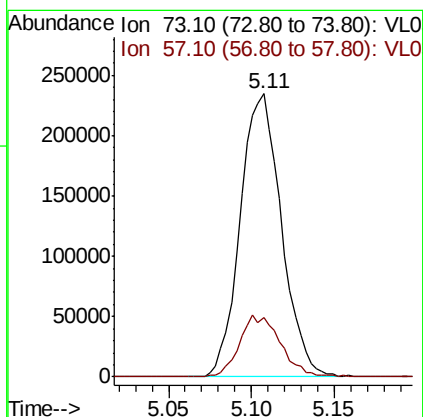
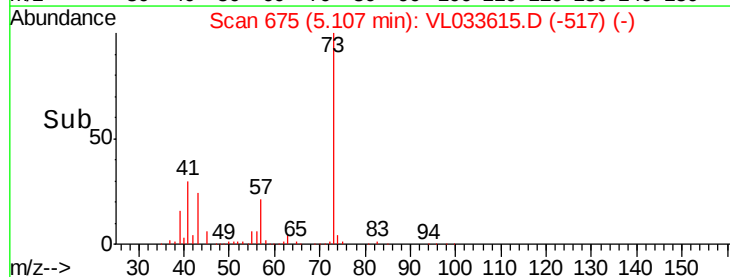
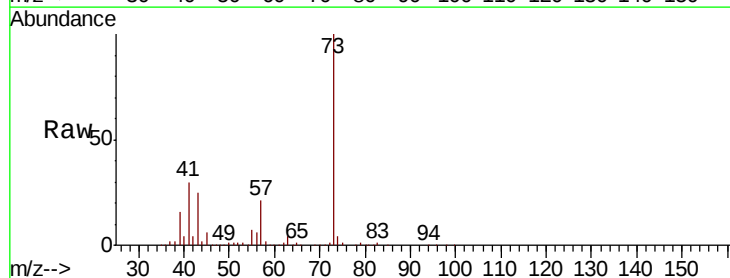
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

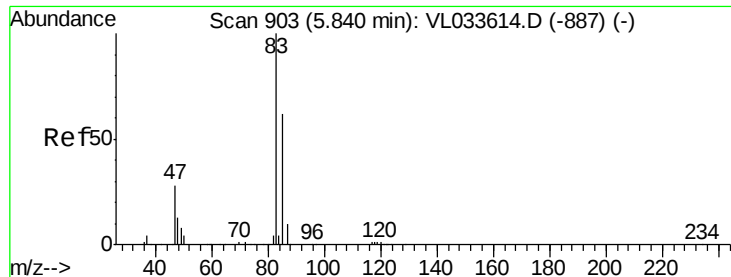
Tgt Ion: 76 Resp: 254444
Ion Ratio Lower Upper
76 100
44 21.5 14.3 21.5#
78 10.1 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 2.164 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.01 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion: 73 Resp: 405712
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

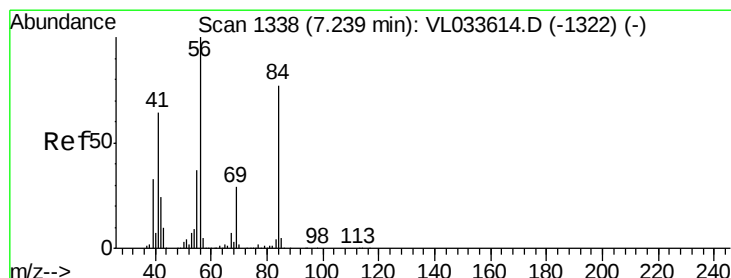
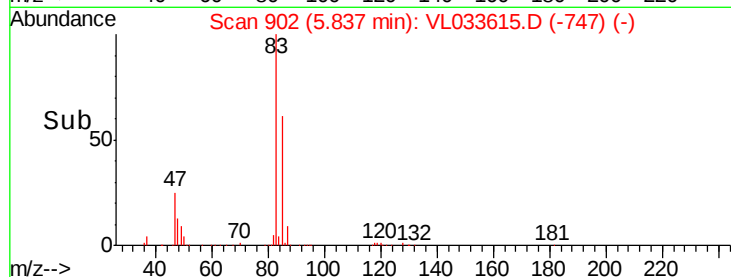
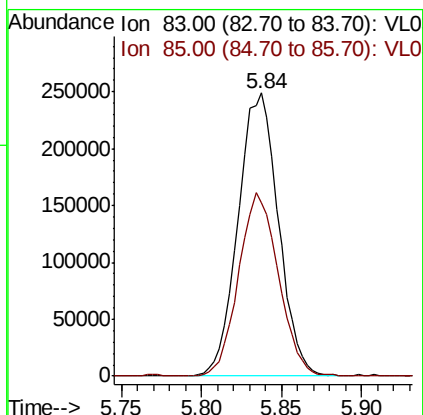
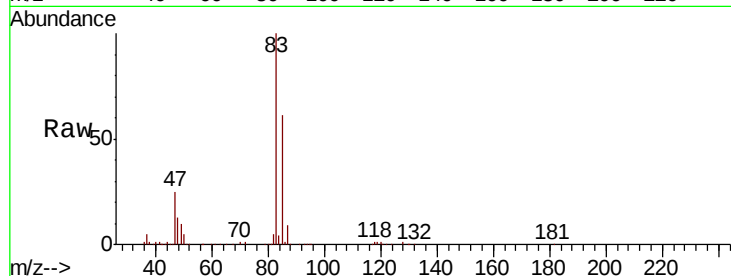




#29
Chloroform
Concen: 2.093 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

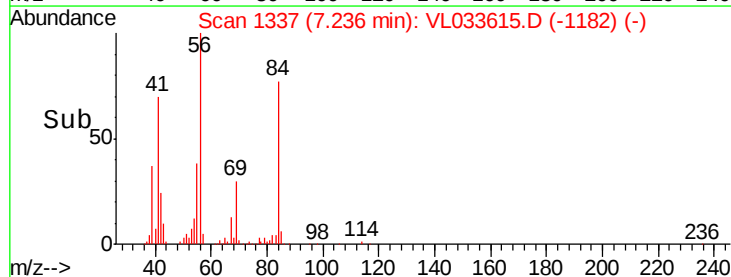
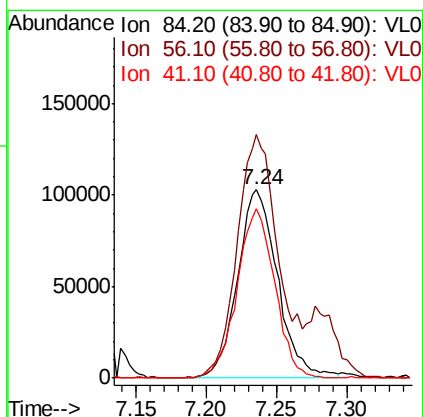
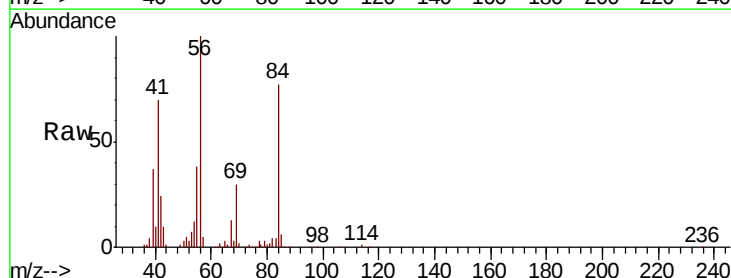
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

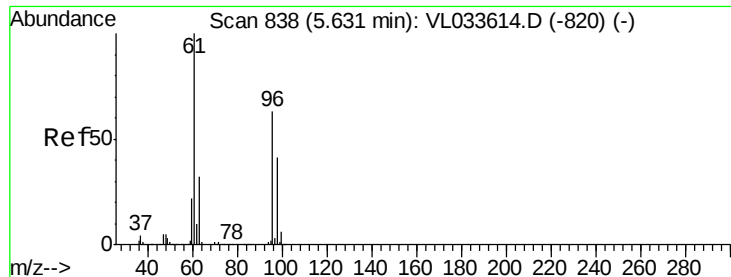
Tgt Ion: 83 Resp: 426531
Ion Ratio Lower Upper
83 100
85 61.1 49.9 74.9



#30
Cyclohexane
Concen: 2.122 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion: 84 Resp: 204593
Ion Ratio Lower Upper
84 100
56 159.3 108.4 162.6
41 85.3 67.0 100.4



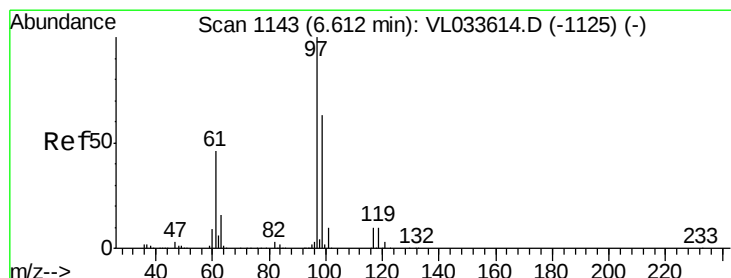
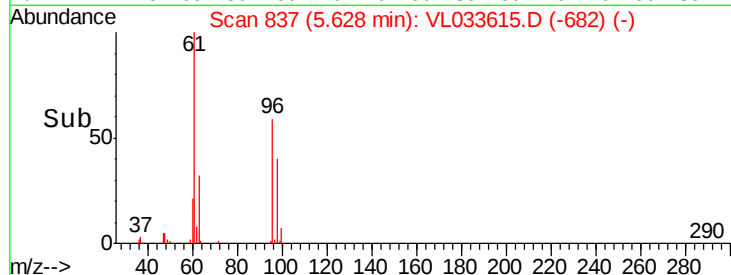
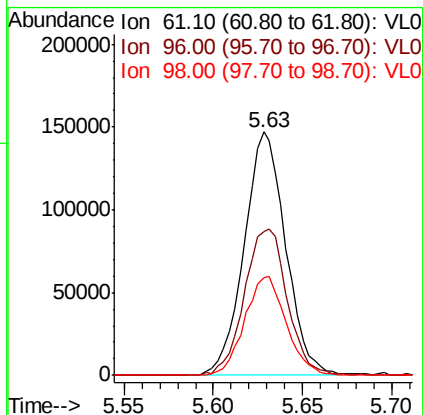
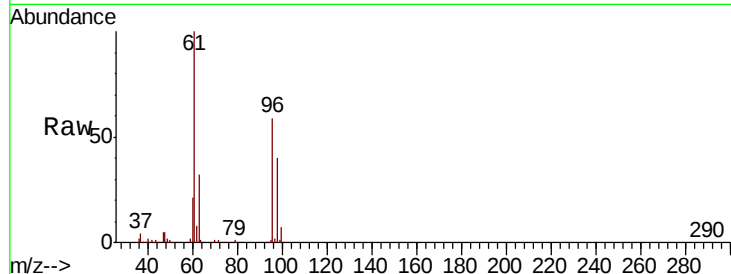


#31

cis-1,2-Dichloroethene
 Concen: 2.126 ppbv
 RT: 5.63 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

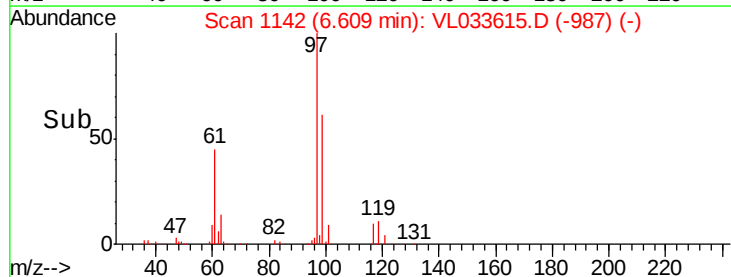
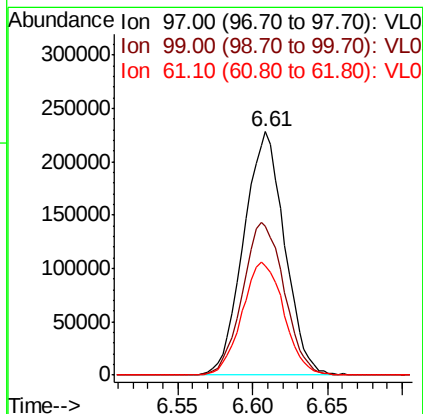
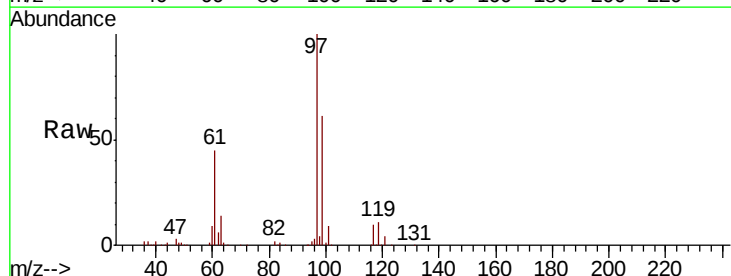
Tgt Ion	Ratio	Lower	Upper
61	100		
96	59.2	50.6	76.0
98	40.4	32.8	49.2

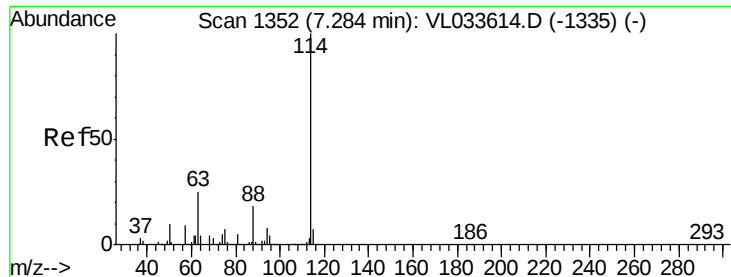


#32

1,1,1-Trichloroethane
 Concen: 2.033 ppbv
 RT: 6.61 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	47.5	38.2	57.2

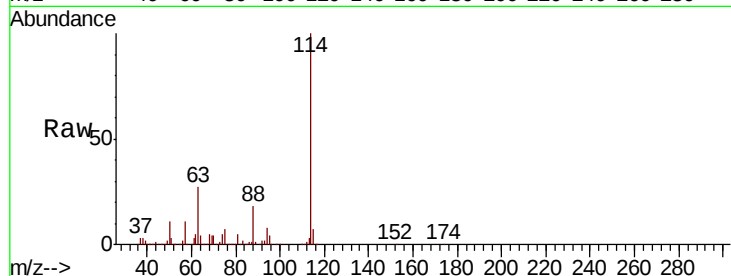




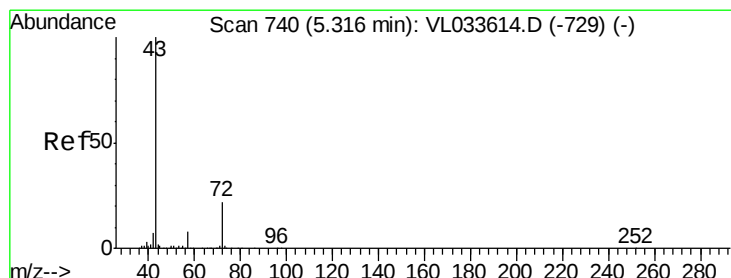
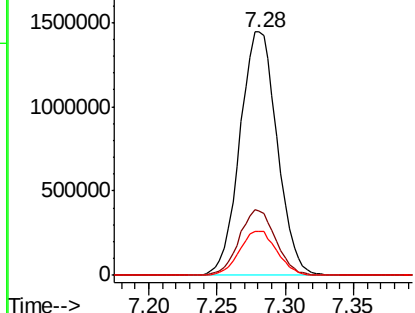
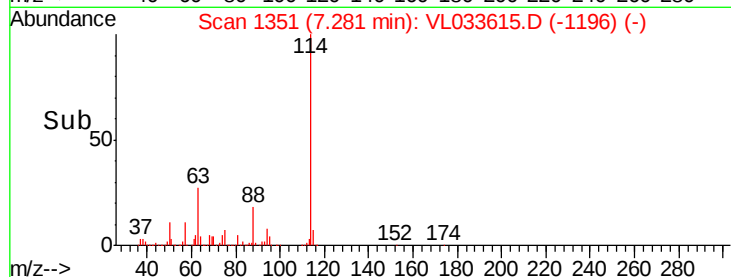
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:114 Resp: 2737153
 Ion Ratio Lower Upper
 114 100
 63 26.6 21.1 31.7
 88 18.1 14.2 21.4

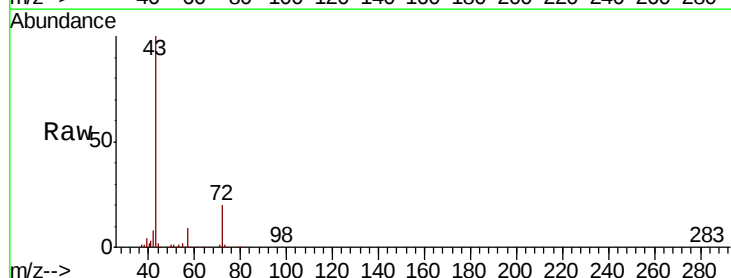


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

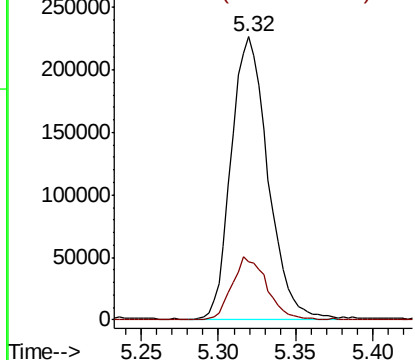
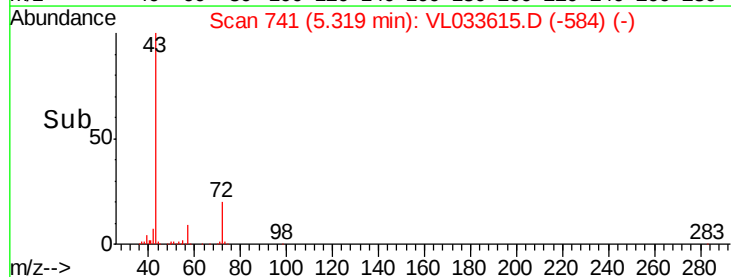


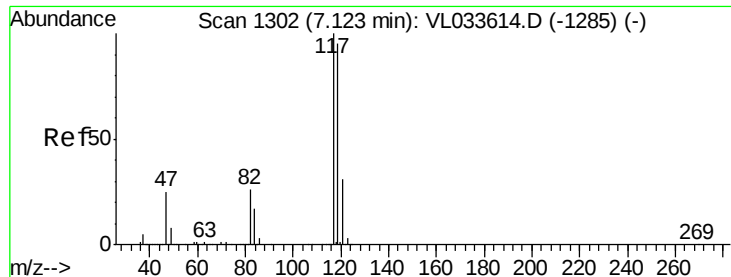
#34
 2-Butanone
 Concen: 2.228 ppbv
 RT: 5.32 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Tgt Ion: 43 Resp: 374347
 Ion Ratio Lower Upper
 43 100
 72 21.3 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: 2.075 ppbv

RT: 7.12 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

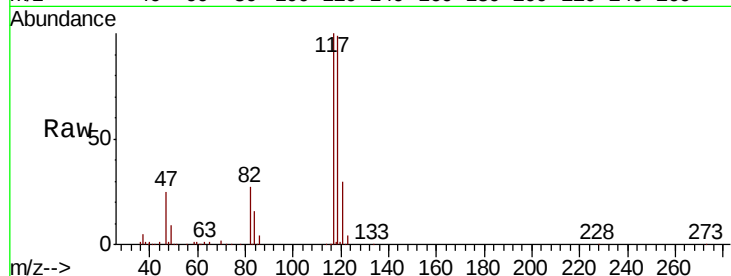
Tgt Ion:117 Resp: 449906

Ion Ratio Lower Upper

117 100

119 99.5 76.2 114.4

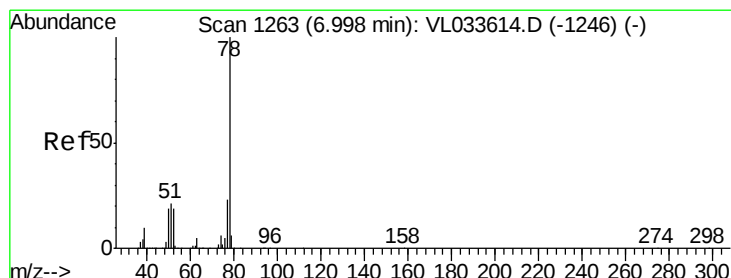
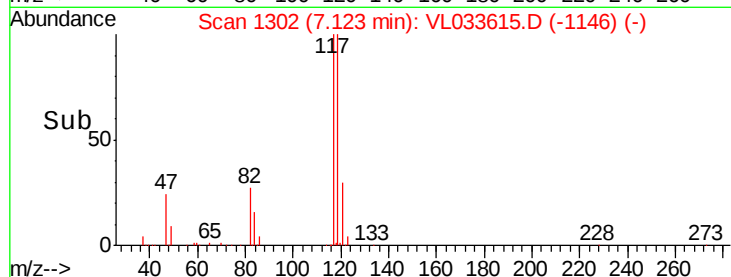
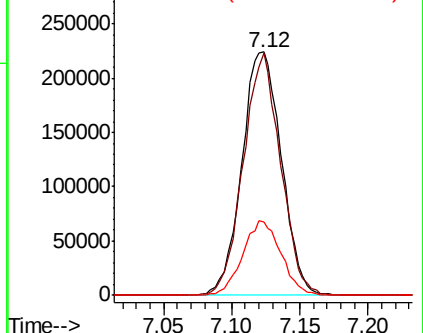
121 30.2 24.9 37.3



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: 2.165 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

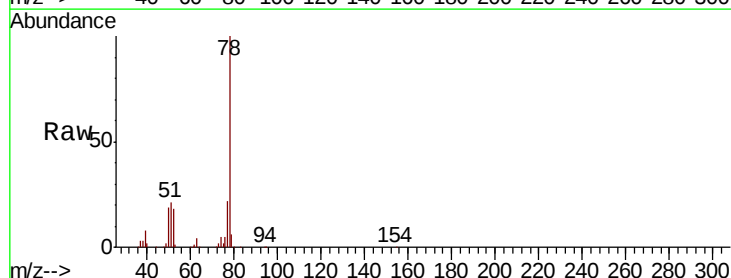
Tgt Ion: 78 Resp: 504987

Ion Ratio Lower Upper

78 100

77 22.1 18.1 27.1

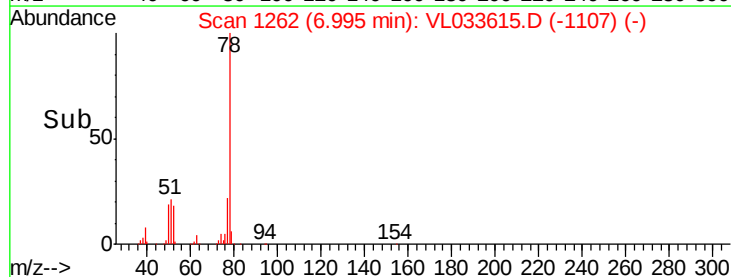
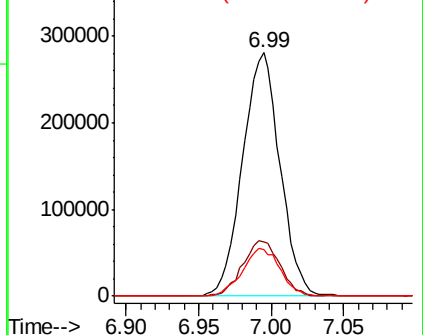
50 19.3 15.1 22.7

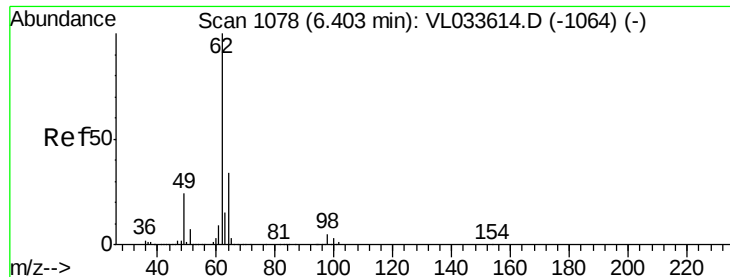


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 2.107 ppbv

RT: 6.40 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

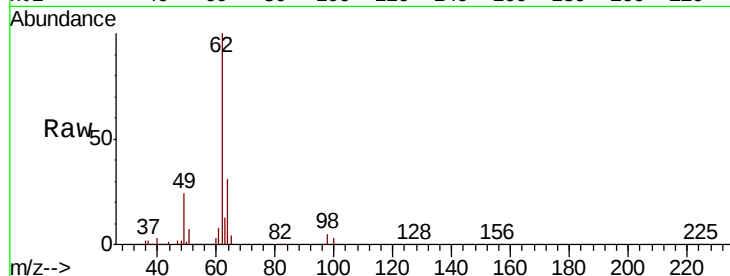
VSTDIC002

Tgt Ion: 62 Resp: 326575

Ion Ratio Lower Upper

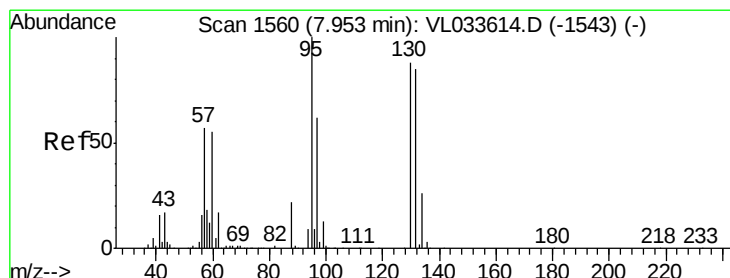
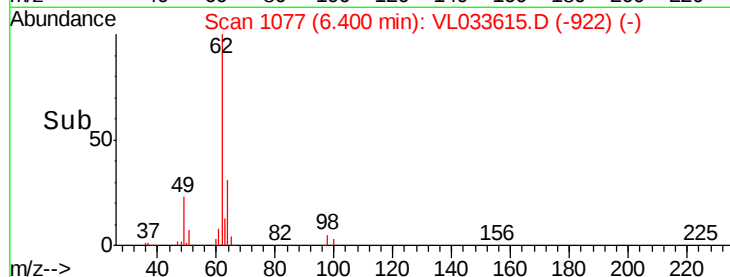
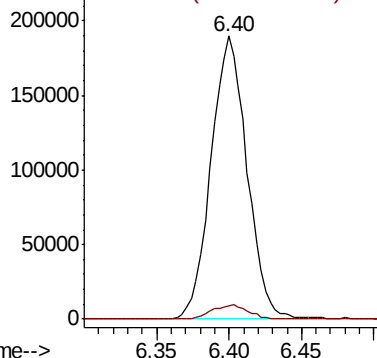
62 100

98 5.2 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 2.172 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Tgt Ion: 130 Resp: 202896

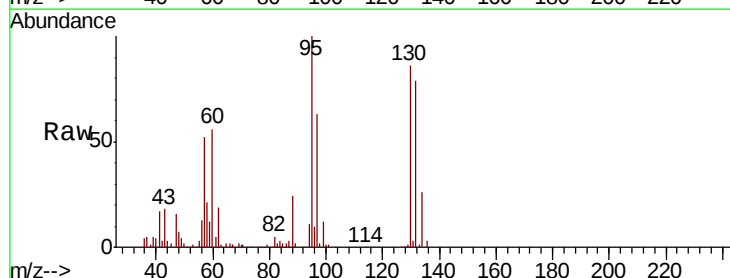
Ion Ratio Lower Upper

130 100

95 115.9 91.2 136.8

132 92.0 77.8 116.8

97 73.5 56.4 84.6

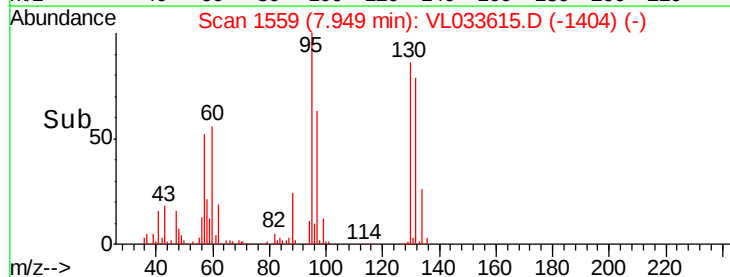
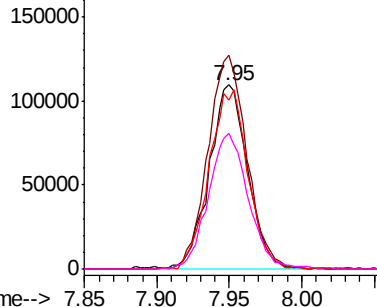


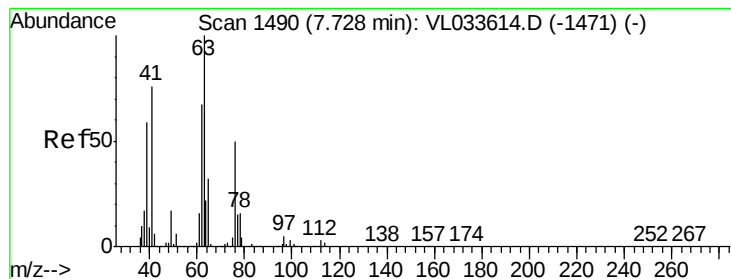
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 2.139 ppbv

RT: 7.72 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

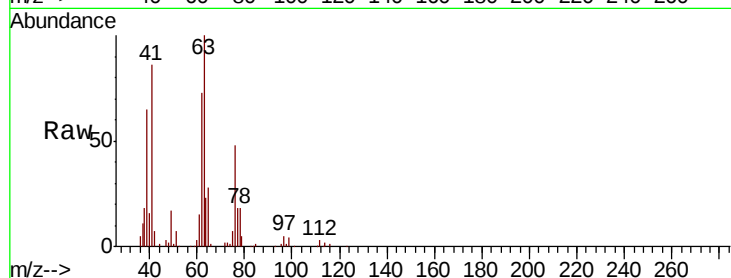
Tgt Ion: 63 Resp: 188097

Ion Ratio Lower Upper

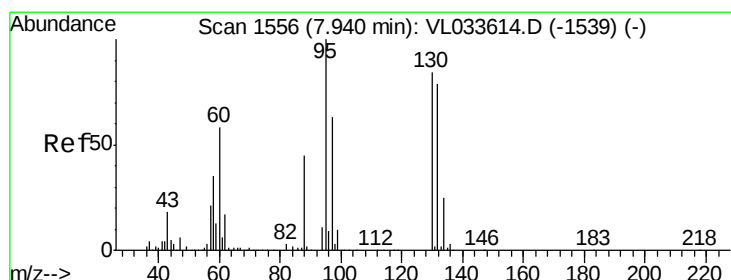
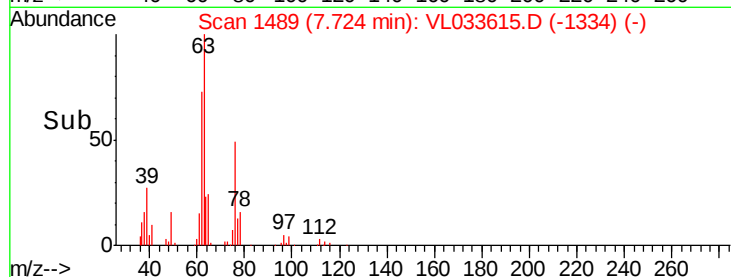
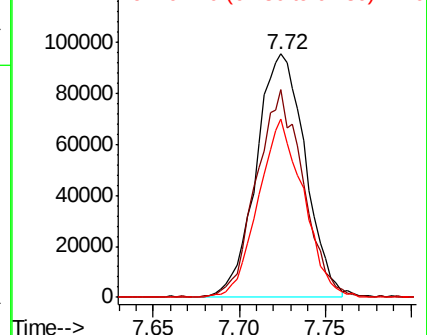
63 100

41 85.6 60.9 91.3

62 73.2 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: 2.052 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Tgt Ion: 88 Resp: 73304

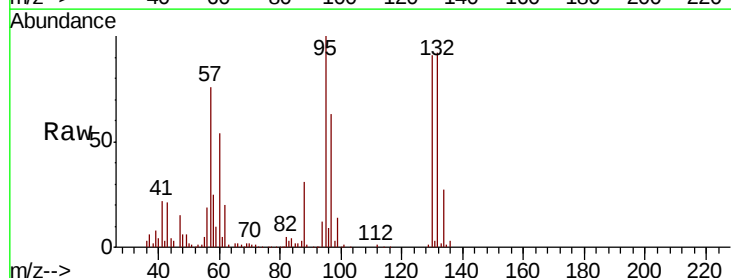
Ion Ratio Lower Upper

88 100

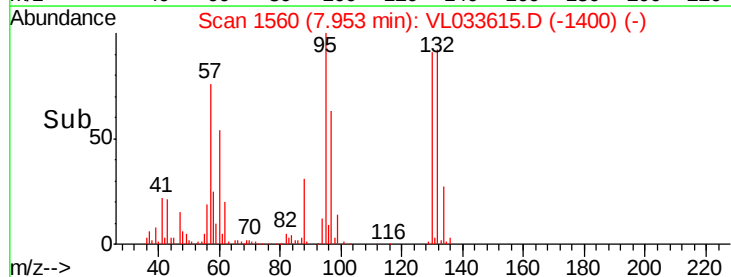
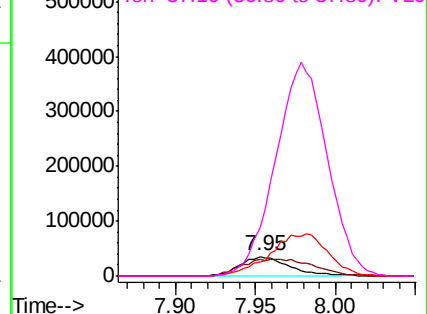
58 130.6 98.4 147.6

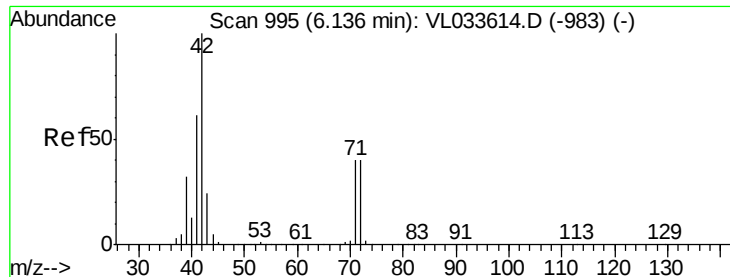
43 264.1 190.7 286.1

57 1200.0 844.5 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: 2.156 ppbv

RT: 6.15 min Scan# 998

Delta R.T. 0.01 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

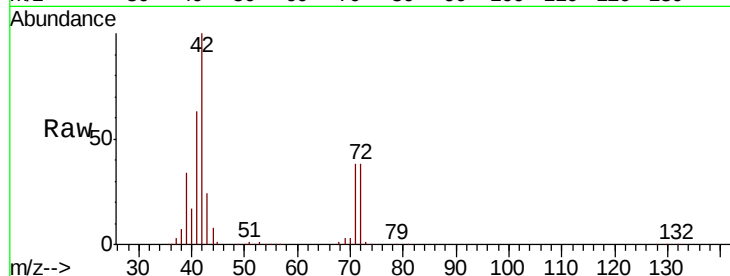
Tgt Ion: 42 Resp: 193505

Ion Ratio Lower Upper

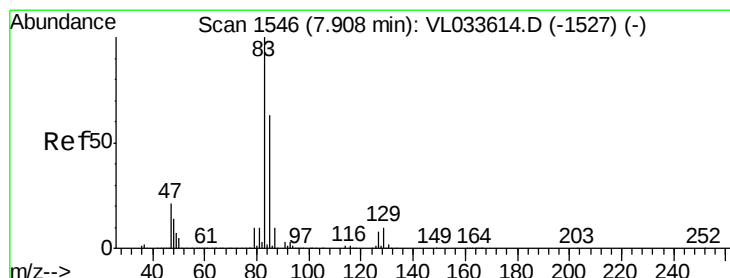
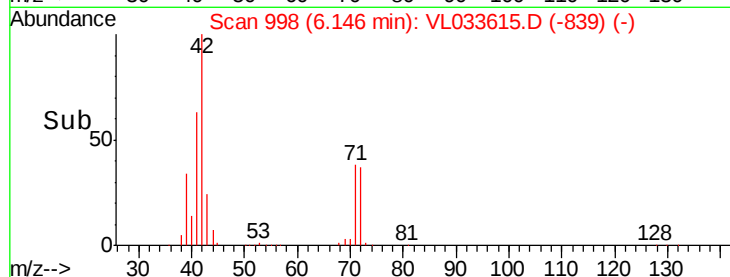
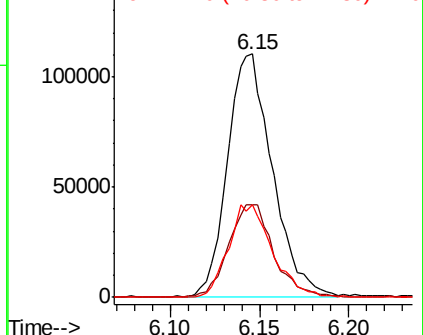
42 100

72 38.5 31.8 47.6

71 37.3 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: 2.122 ppbv

RT: 7.90 min Scan# 1545

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

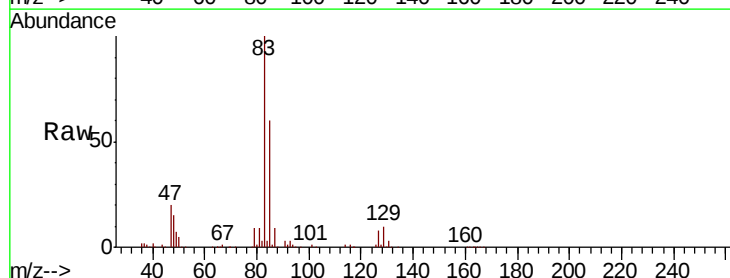
Tgt Ion: 83 Resp: 445136

Ion Ratio Lower Upper

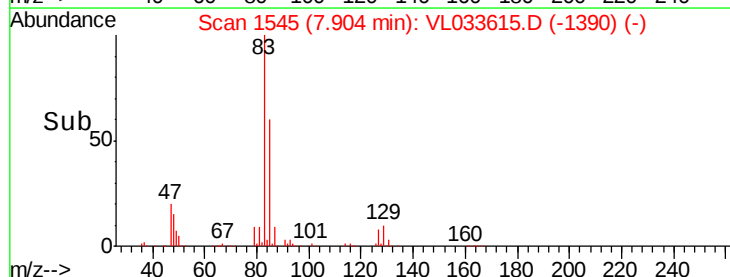
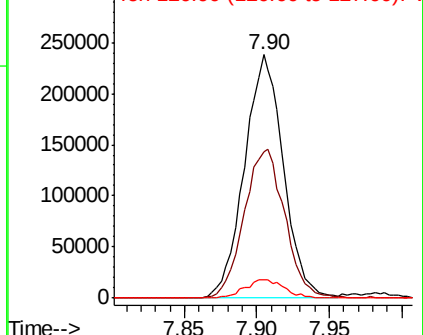
83 100

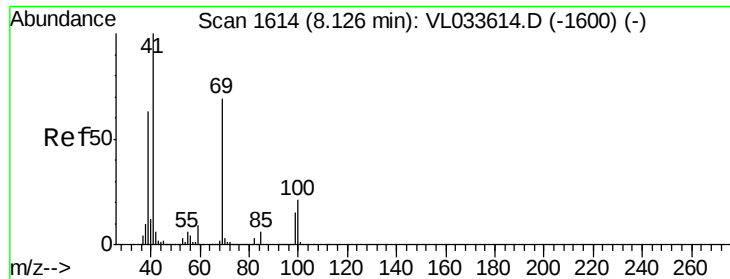
85 60.0 50.2 75.4

127 8.2 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: 2.164 ppbv

RT: 8.12 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

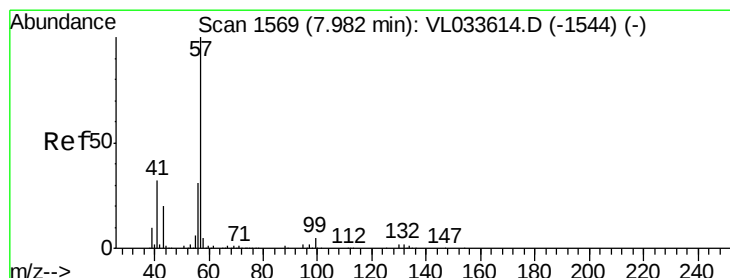
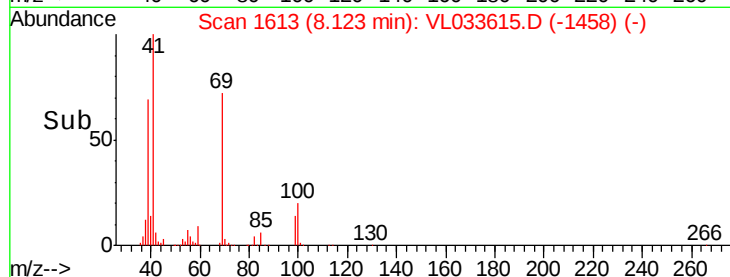
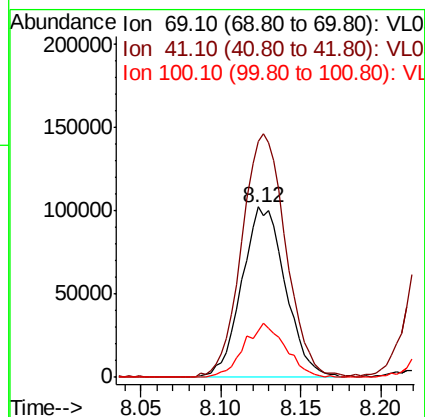
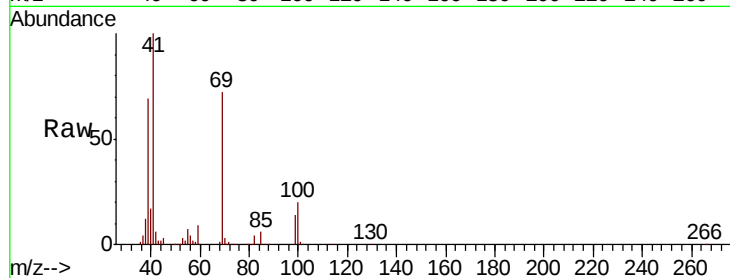
Tgt Ion: 69 Resp: 191143

Ion Ratio Lower Upper

69 100

41 143.7 115.0 172.4

100 30.3 24.7 37.1



#44

2,2,4-Trimethylpentane

Concen: 2.157 ppbv

RT: 7.98 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

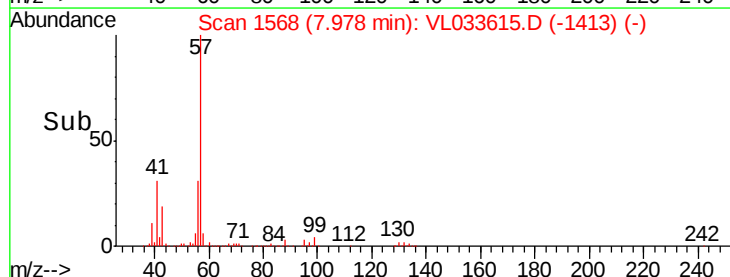
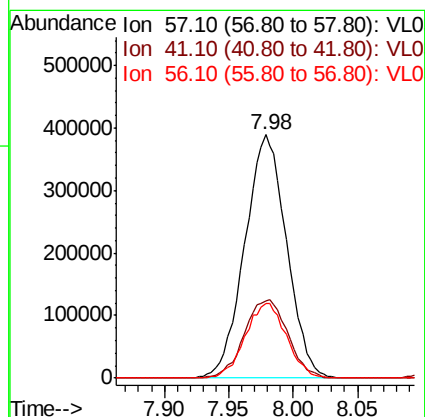
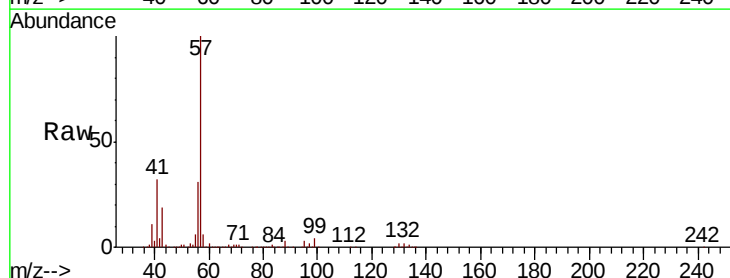
Tgt Ion: 57 Resp: 876824

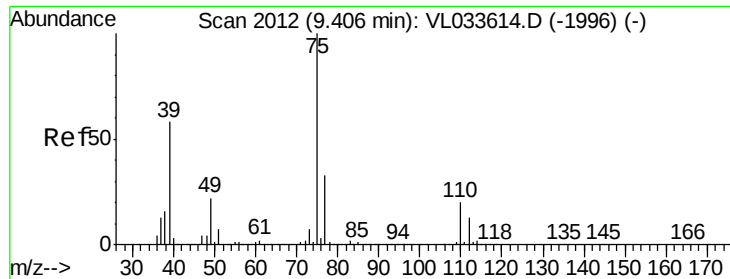
Ion Ratio Lower Upper

57 100

41 33.7 25.4 38.2

56 30.6 24.6 37.0

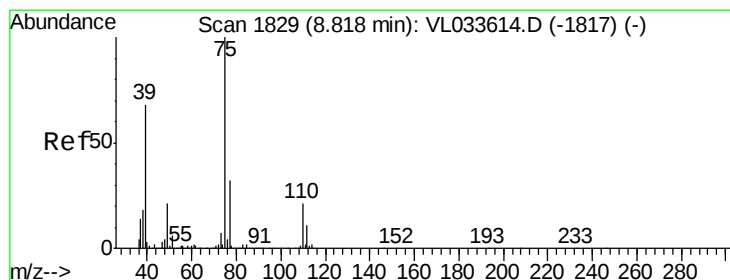
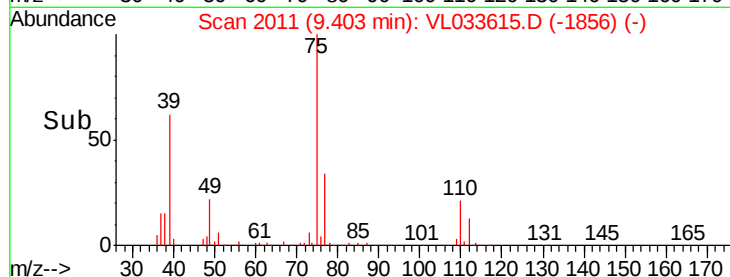
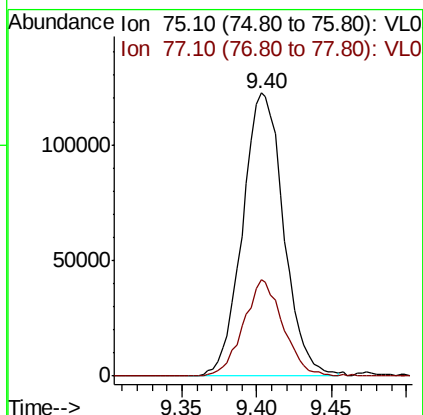
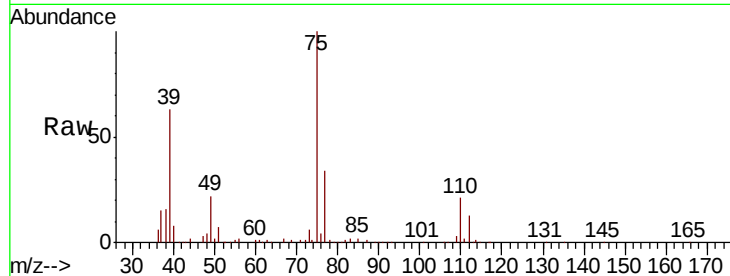




#45
t-1,3-Dichloropropene
Concen: 1.996 ppbv
RT: 9.40 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

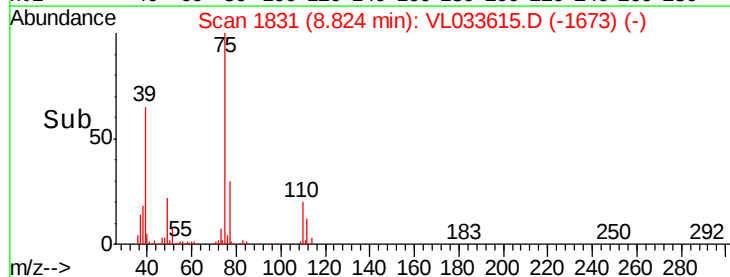
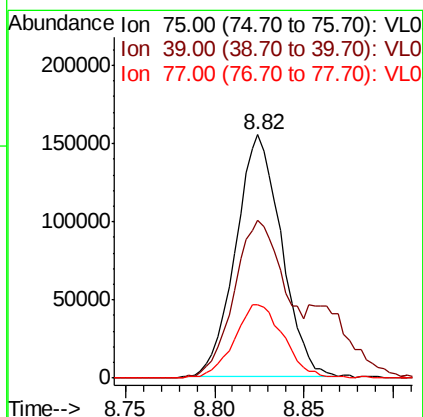
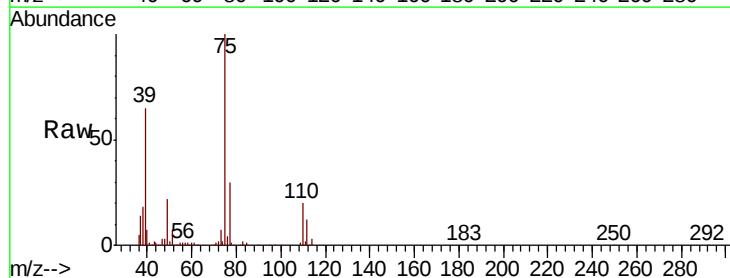
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

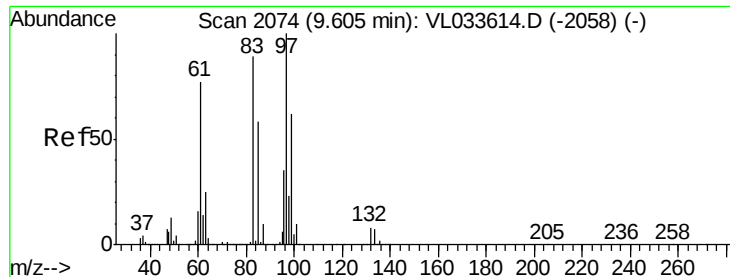
Tgt Ion: 75 Resp: 234114
Ion Ratio Lower Upper
75 100
77 34.1 26.0 39.0



#46
cis-1,3-Dichloropropene
Concen: 2.077 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion: 75 Resp: 274771
Ion Ratio Lower Upper
75 100
39 64.3 54.6 82.0
77 30.0 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 1.886 ppbv

RT: 9.61 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 216369

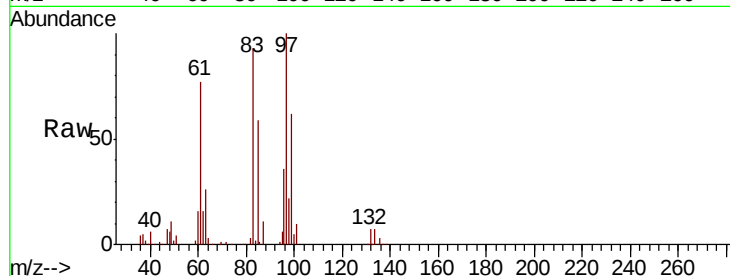
Ion Ratio Lower Upper

97 100

83 92.9 71.4 107.0

85 58.9 46.0 69.0

99 61.7 49.6 74.4

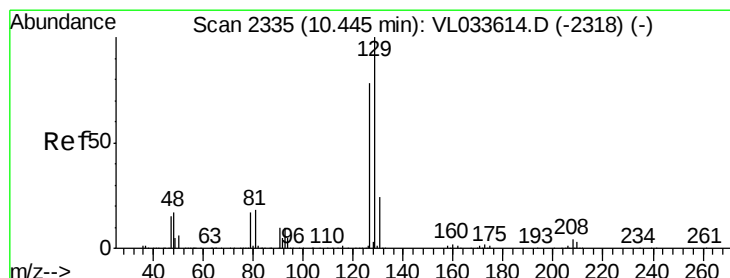
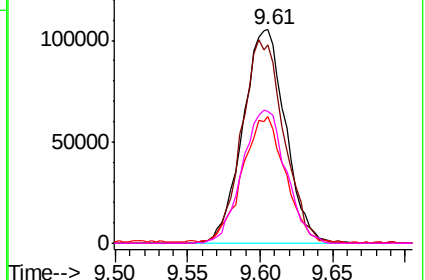
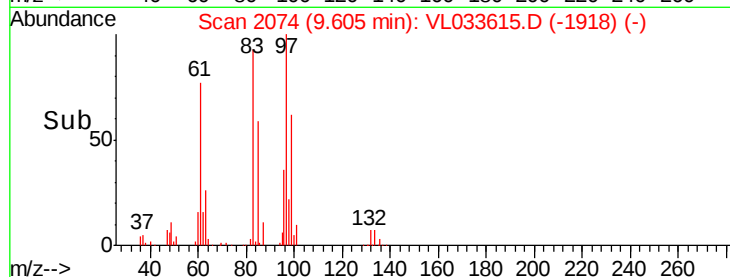


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 1.801 ppbv

RT: 10.44 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VL033615.D

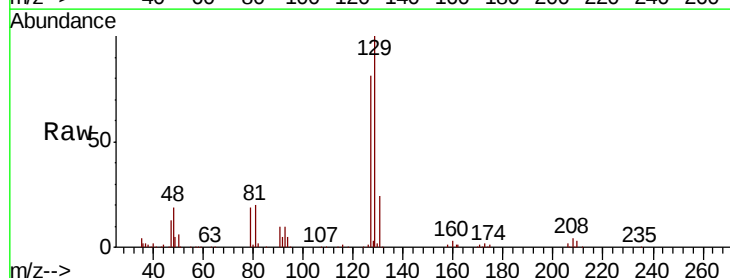
Acq: 1 May 2019 12:34

Tgt Ion: 129 Resp: 349625

Ion Ratio Lower Upper

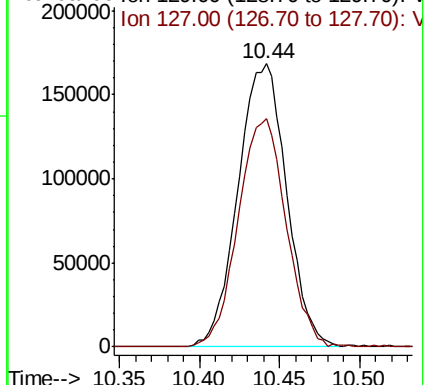
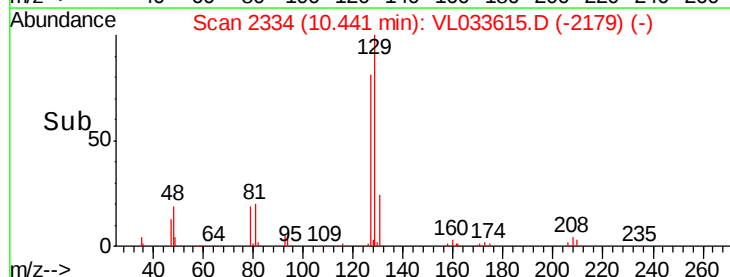
129 100

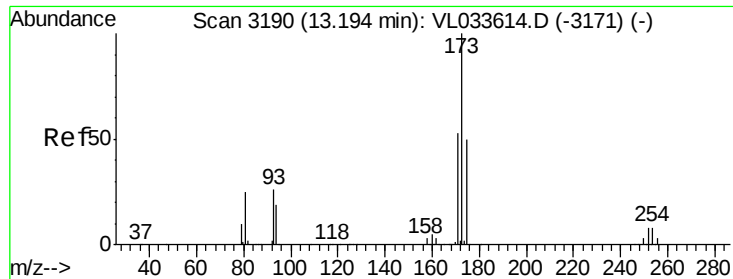
127 79.5 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.101 ppbv

RT: 13.19 min Scan# 3189

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

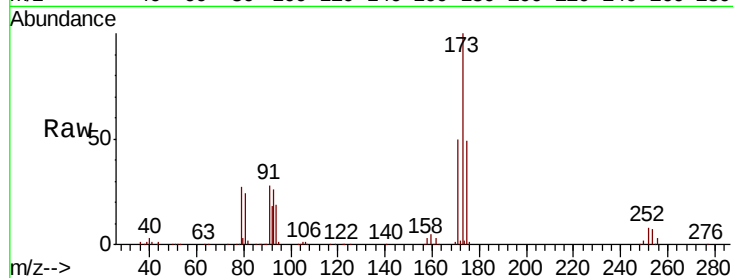
Tgt Ion:173 Resp: 312460

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.6

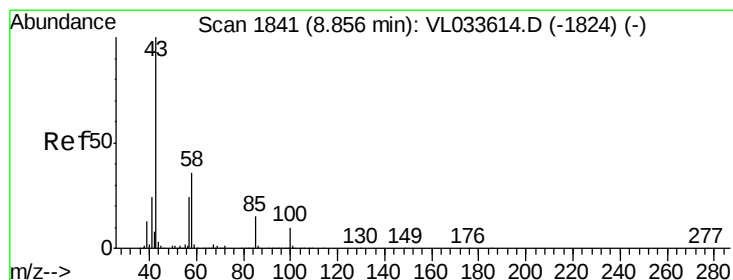
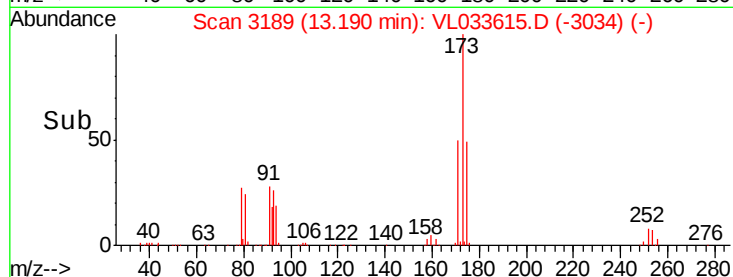
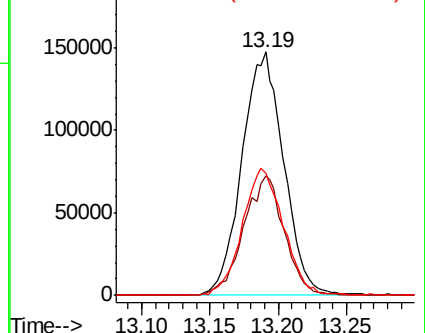
171 51.4 41.6 62.4



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



#50

4-Methyl-2-Pentanone

Concen: 2.209 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VL033615.D

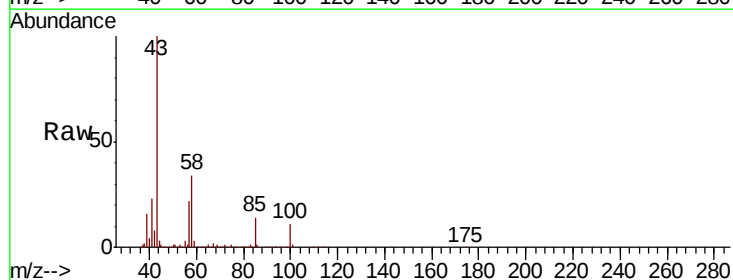
Acq: 1 May 2019 12:34

Tgt Ion: 43 Resp: 581661

Ion Ratio Lower Upper

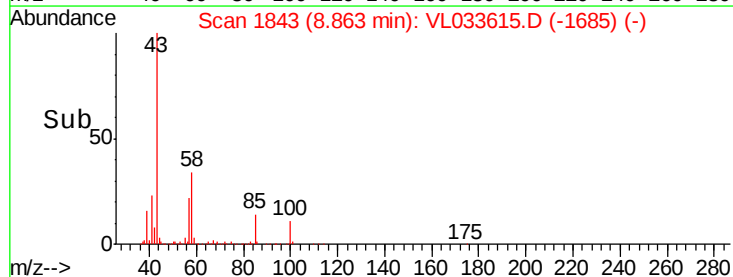
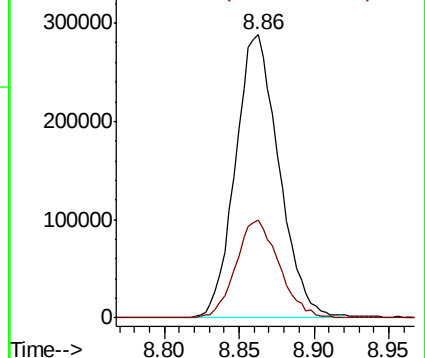
43 100

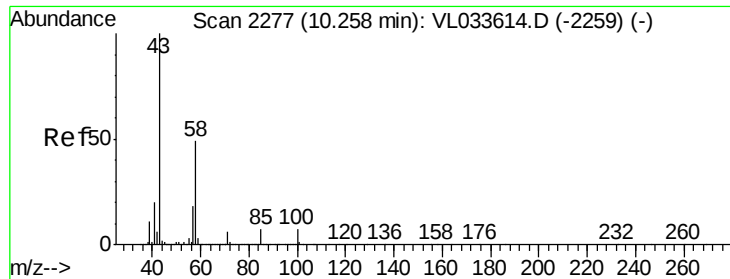
58 34.6 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.931 ppbv

RT: 10.26 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

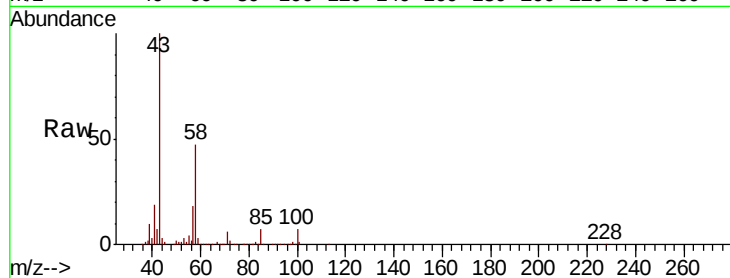
Tgt Ion: 43 Resp: 446505

Ion Ratio Lower Upper

43 100

58 46.2 38.5 57.7

98 1.1 0.3 0.5#

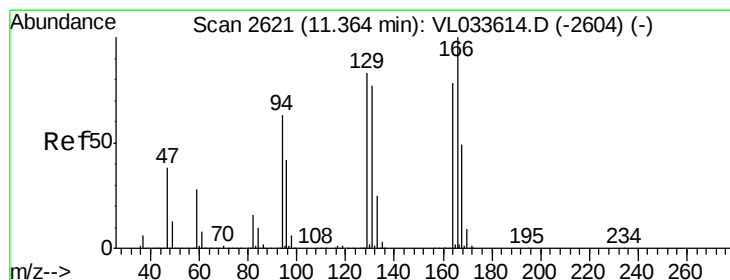
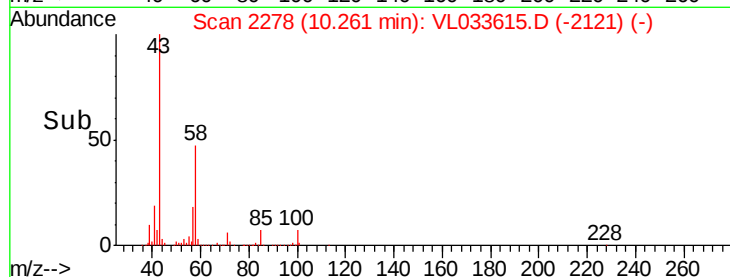
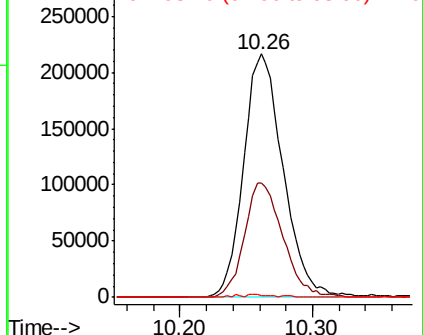


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 2.115 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Tgt Ion: 164 Resp: 189621

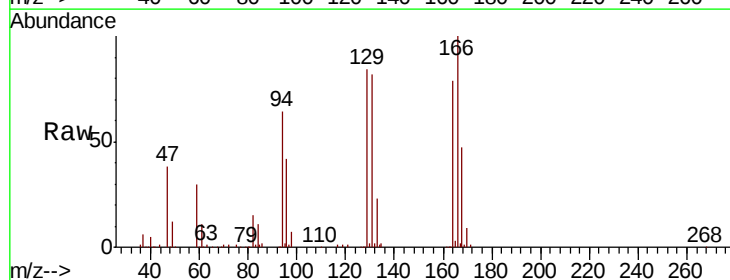
Ion Ratio Lower Upper

164 100

166 126.9 102.2 153.4

129 106.6 84.4 126.6

131 103.6 79.2 118.8



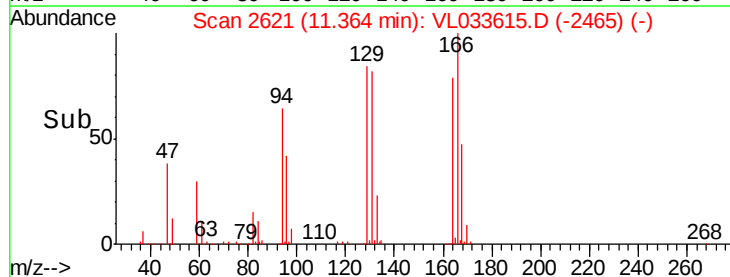
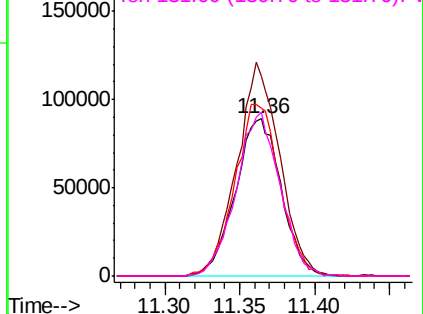
Abundance

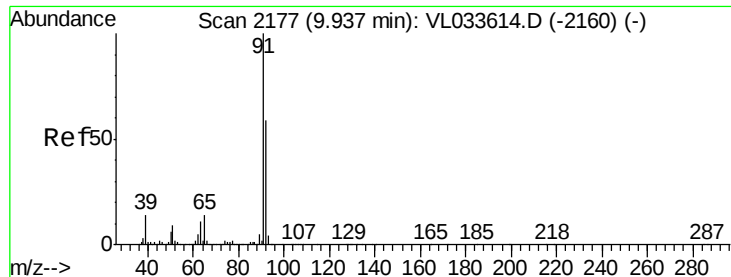
Ion 163.90 (163.60 to 164.60): V

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: 1.960 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

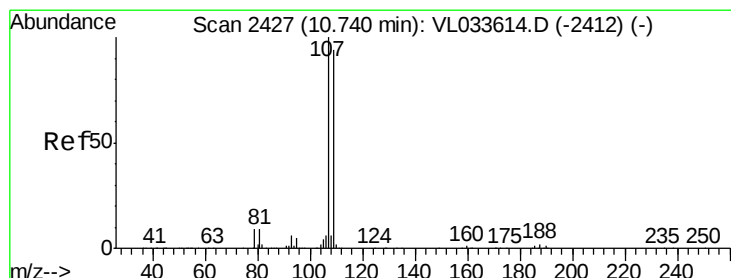
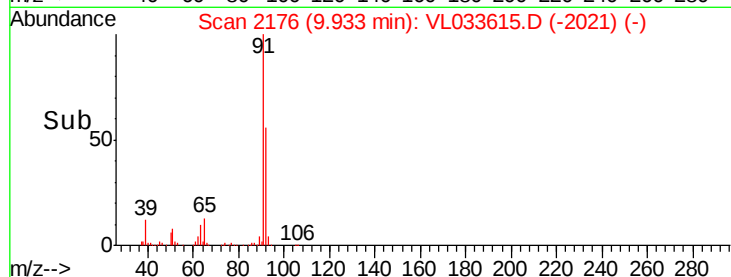
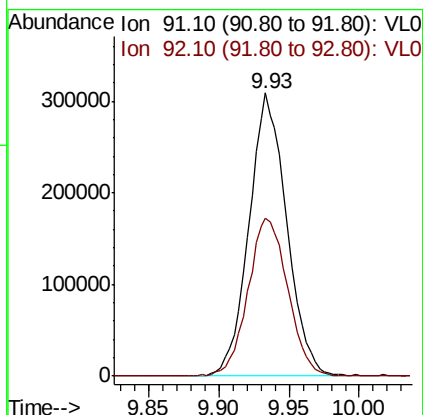
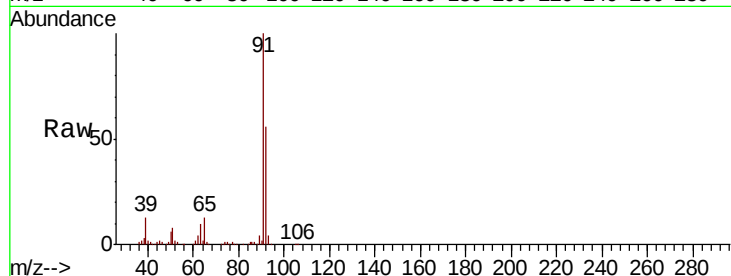
VSTDIC002

Tgt Ion: 91 Resp: 576774

Ion Ratio Lower Upper

91 100

92 58.7 47.8 71.6



#54

1,2-Dibromoethane

Concen: 2.060 ppbv

RT: 10.74 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL033615.D

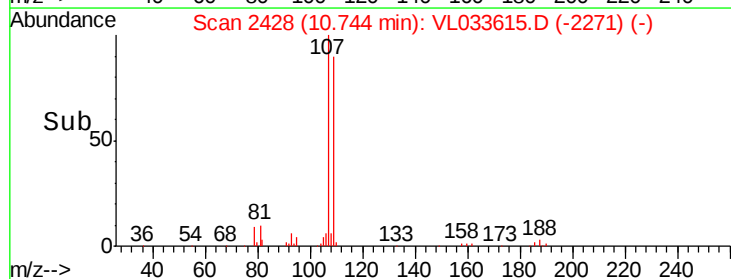
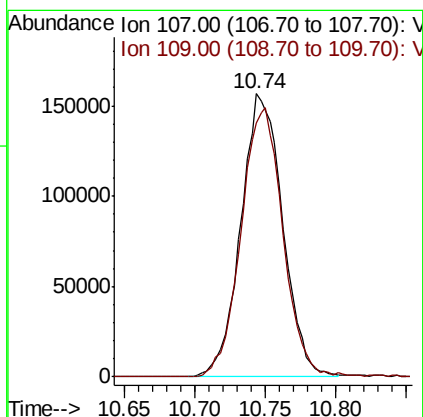
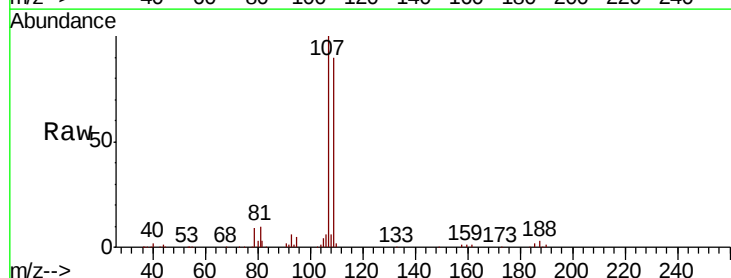
Acq: 1 May 2019 12:34

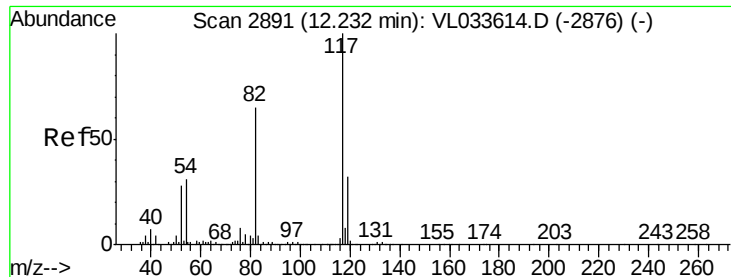
Tgt Ion: 107 Resp: 324900

Ion Ratio Lower Upper

107 100

109 91.8 75.1 112.7

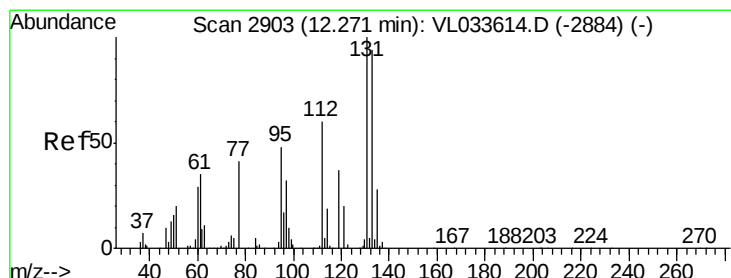
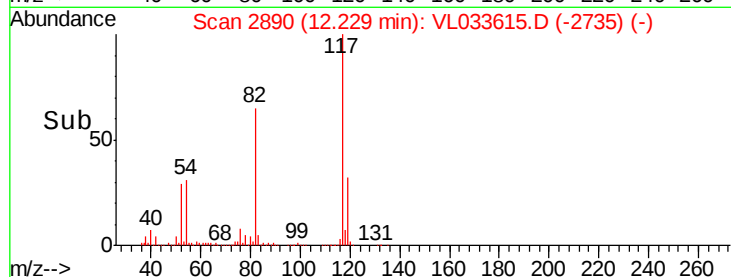
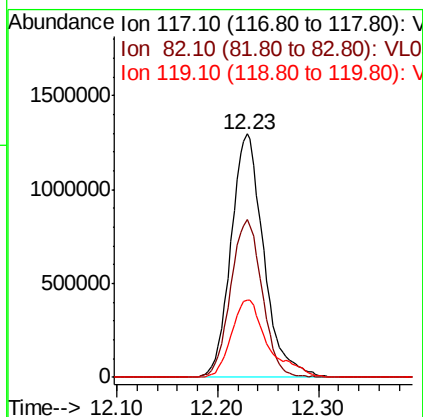
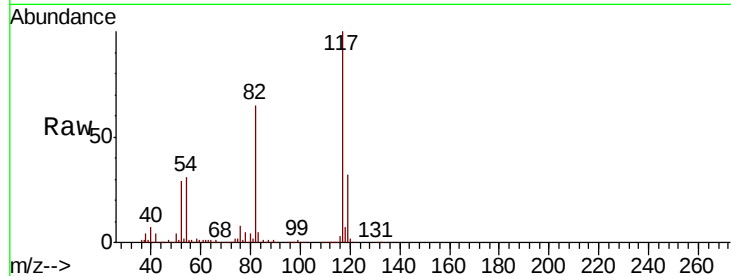




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

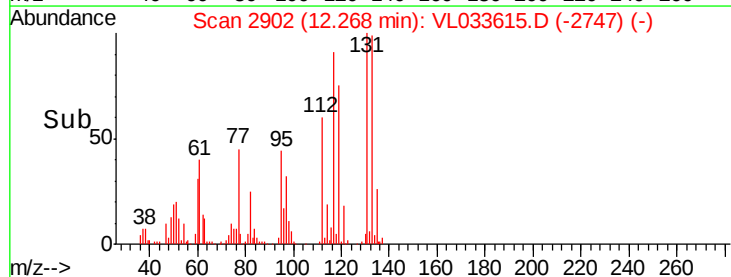
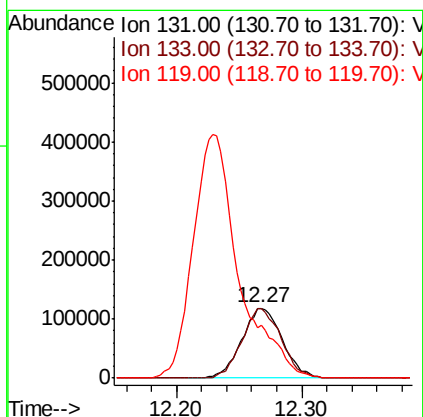
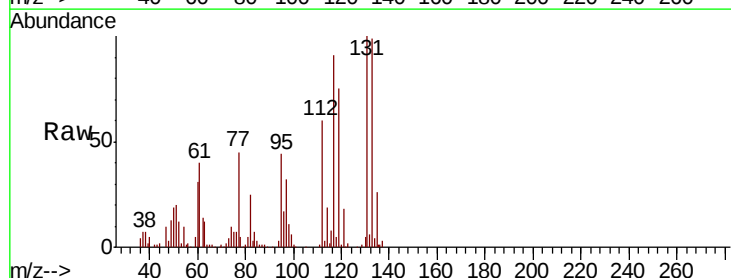
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

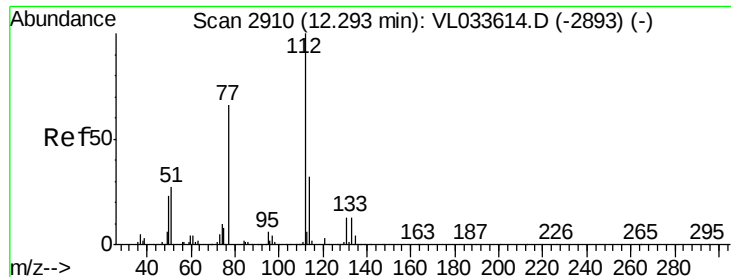
Tgt Ion:117 Resp: 2924255
Ion Ratio Lower Upper
117 100
82 62.8 52.6 78.8
119 35.7 28.3 42.5



#56
1,1,1,2-Tetrachloroethane
Concen: 2.073 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion:131 Resp: 264695
Ion Ratio Lower Upper
131 100
133 96.7 76.4 114.6
119 394.8 40.9 61.3#





#57

Chlorobenzene

Concen: 2.087 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

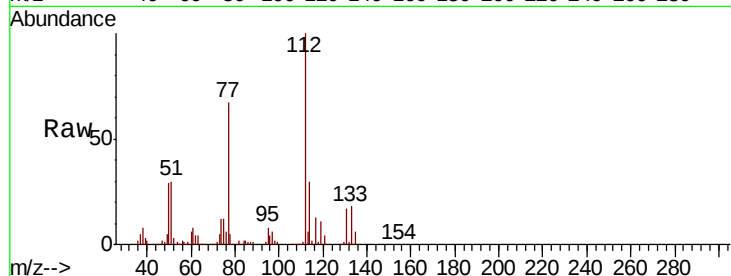
Tgt Ion: 112 Resp: 474550

Ion Ratio Lower Upper

112 100

77 66.9 53.6 80.4

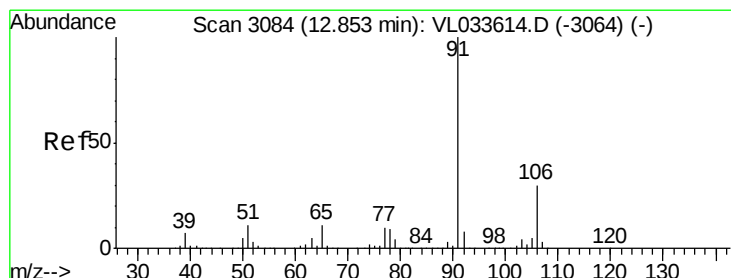
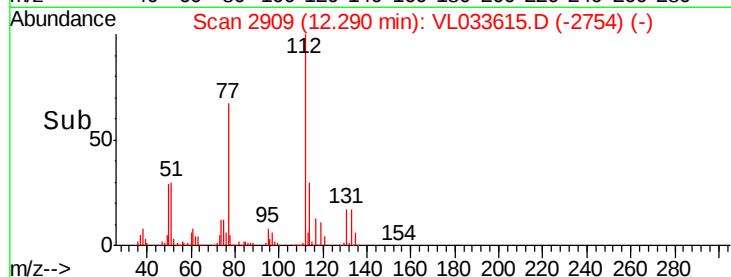
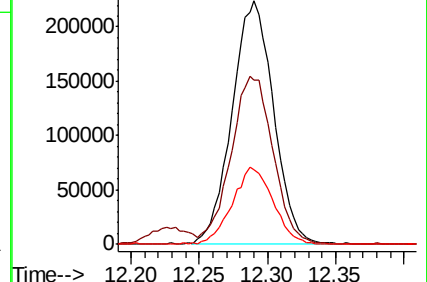
114 30.2 29.1 35.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 2.336 ppbv

RT: 12.85 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL033615.D

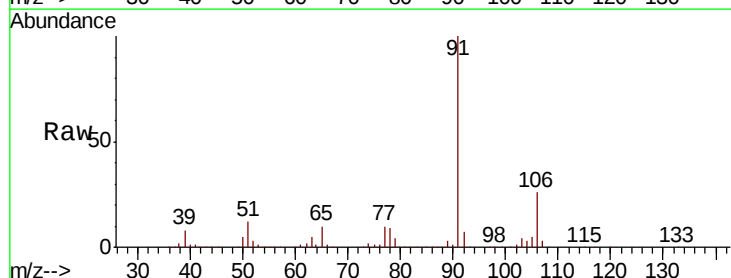
Acq: 1 May 2019 12:34

Tgt Ion: 91 Resp: 795113

Ion Ratio Lower Upper

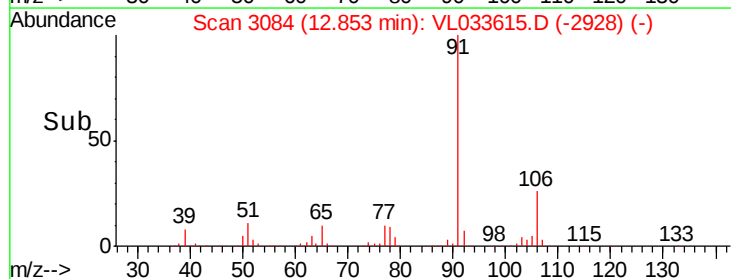
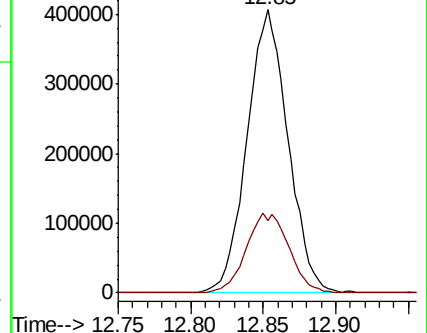
91 100

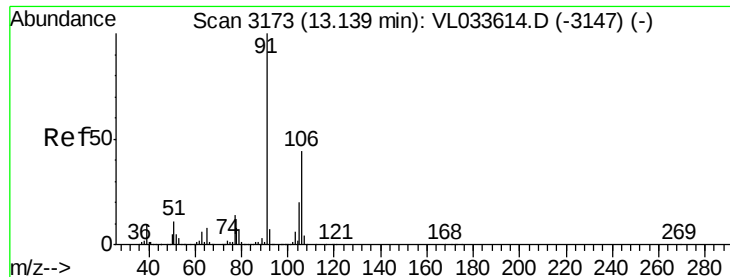
106 25.7 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

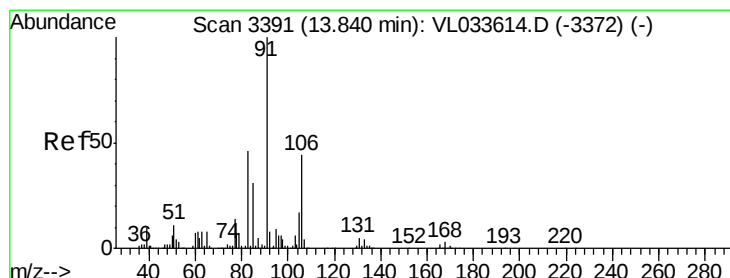
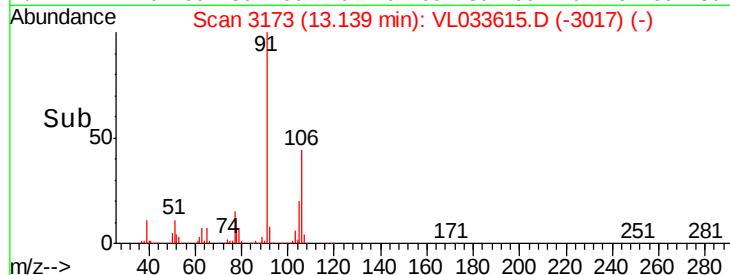
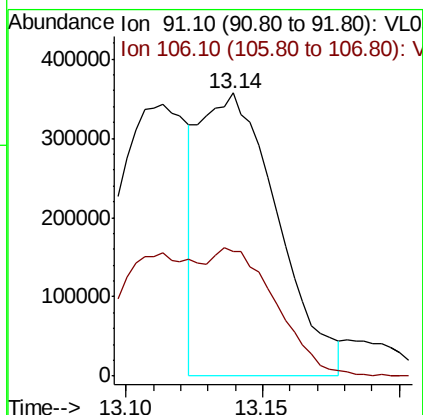
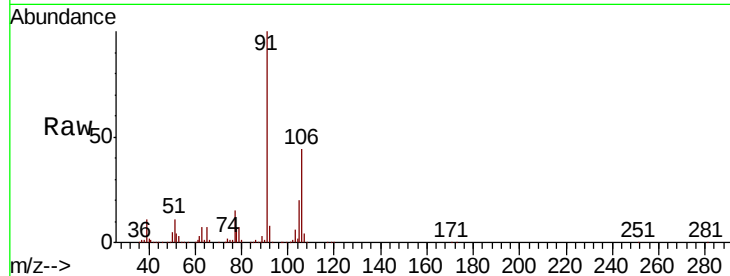




#59
m/p-Xylene
Concen: 2.399 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

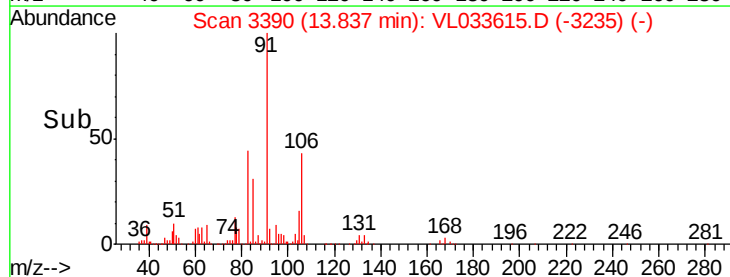
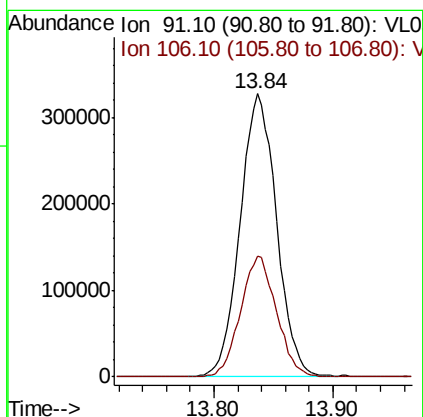
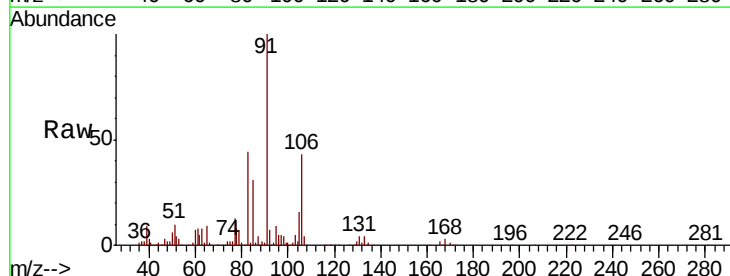
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

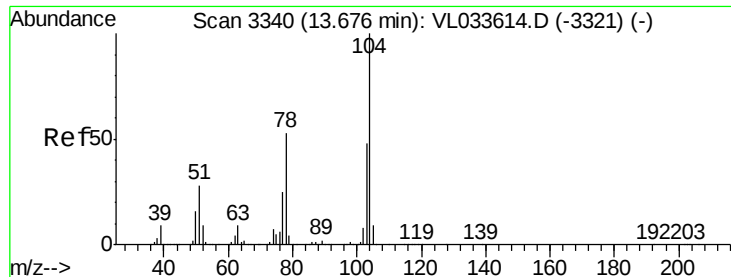
Tgt Ion: 91 Resp: 705737
Ion Ratio Lower Upper
91 100
106 86.0 0.0 0.0#



#60
o-Xylene
Concen: 2.334 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion: 91 Resp: 689965
Ion Ratio Lower Upper
91 100
106 42.2 21.8 65.4

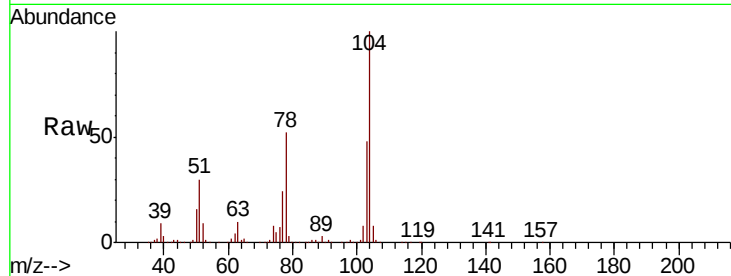




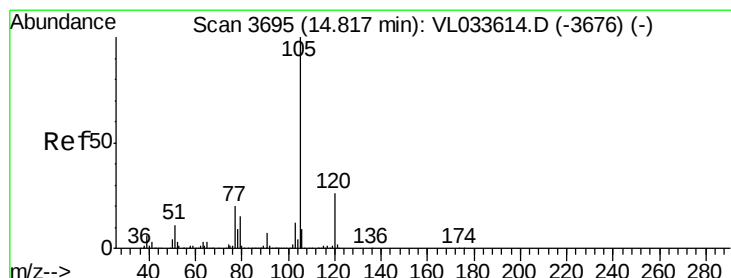
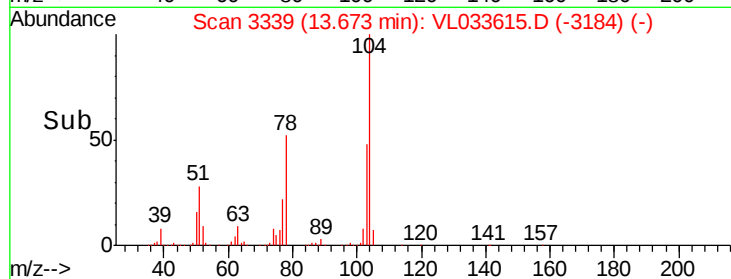
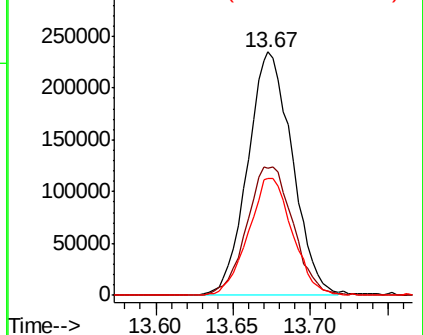
#61
Styrene
Concen: 2.329 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:104 Resp: 471255
Ion Ratio Lower Upper
104 100
78 54.9 42.7 64.1
103 47.8 37.8 56.6

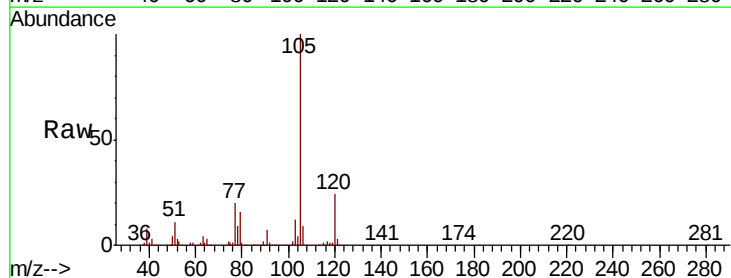


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

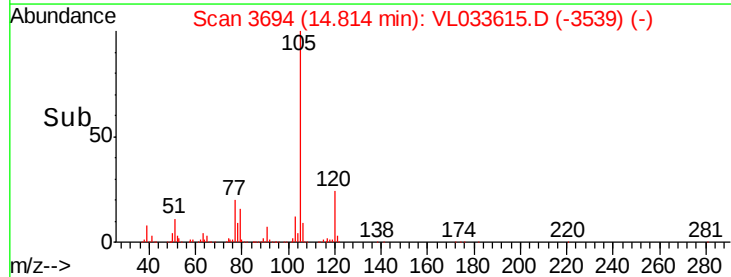
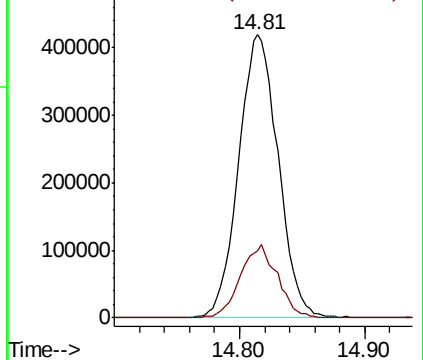


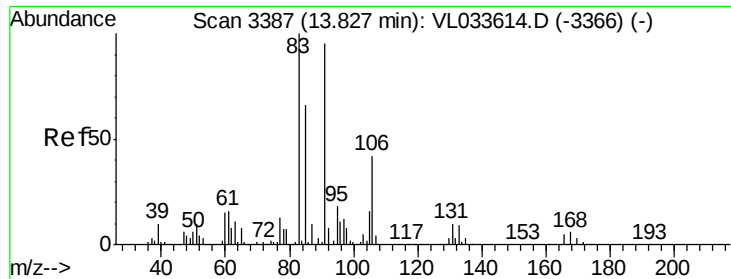
#62
Isopropylbenzene
Concen: 2.311 ppbv
RT: 14.81 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion:105 Resp: 913183
Ion Ratio Lower Upper
105 100
120 24.3 20.3 30.5



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: 2.140 ppbv

RT: 13.82 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

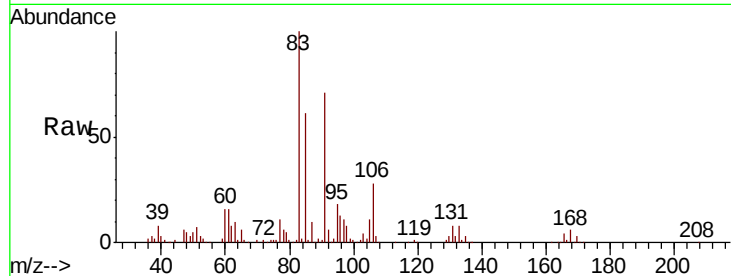
Tgt Ion: 83 Resp: 495523

Ion Ratio Lower Upper

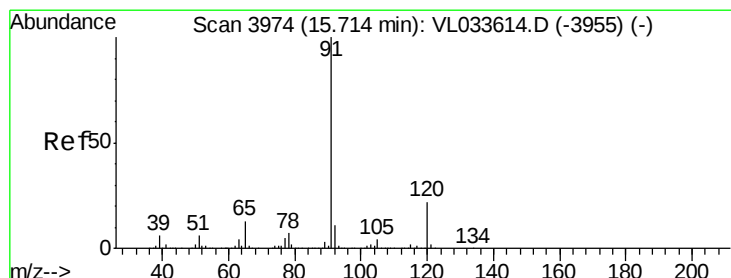
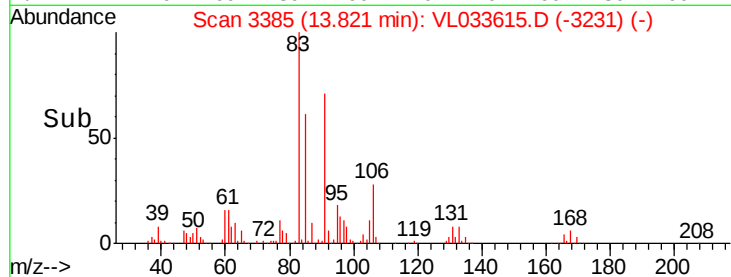
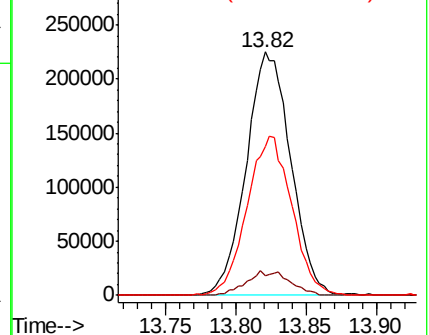
83 100

131 9.8 4.8 14.4

85 66.3 32.3 96.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.337 ppbv

RT: 15.71 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL033615.D

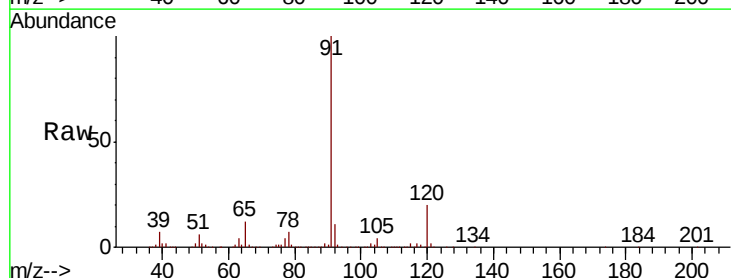
Acq: 1 May 2019 12:34

Tgt Ion: 120 Resp: 239558

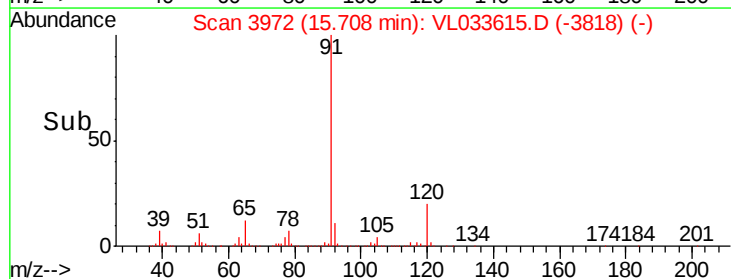
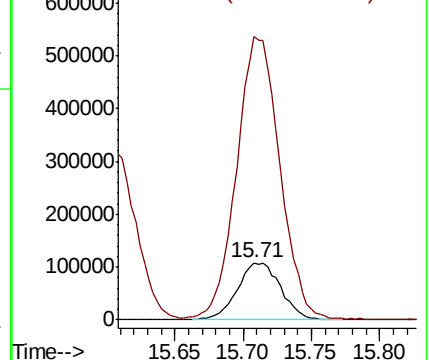
Ion Ratio Lower Upper

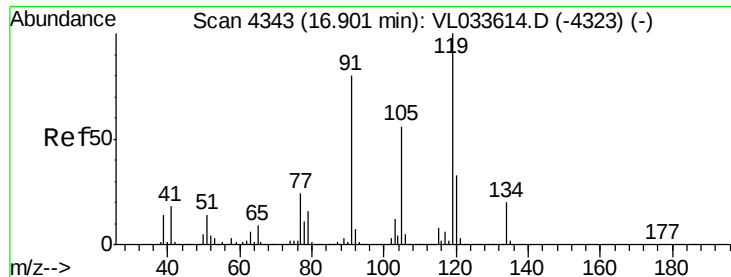
120 100

91 496.8 380.2 570.2



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

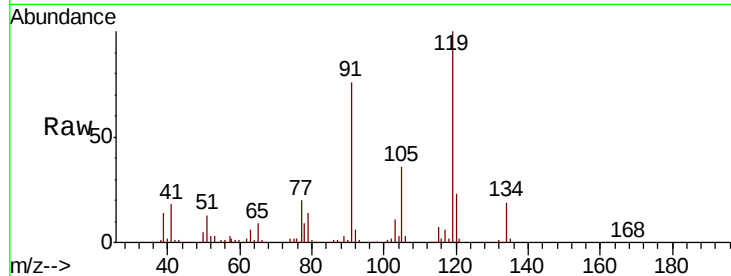




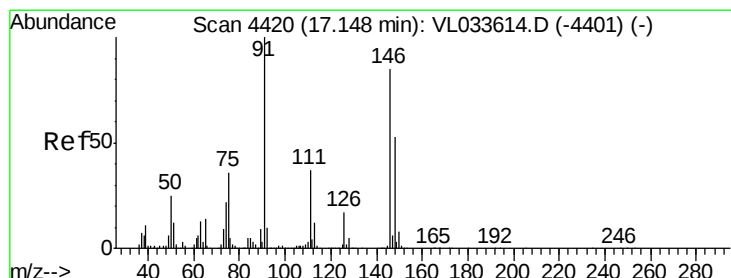
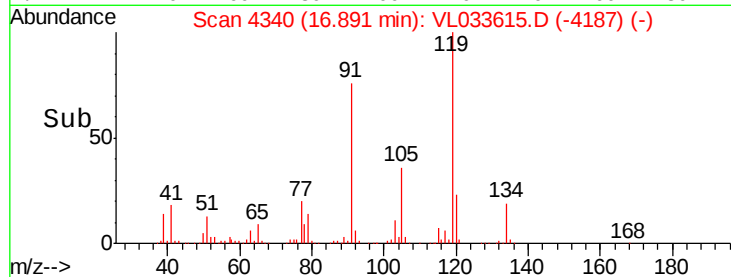
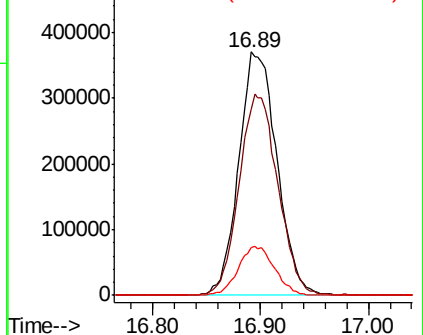
#65
tert-Butylbenzene
Concen: 2.460 ppbv
RT: 16.89 min Scan# 4340
Delta R.T. -0.01 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 909180
Ion Ratio Lower Upper
119 100
91 84.3 66.1 99.1
134 19.2 15.6 23.4

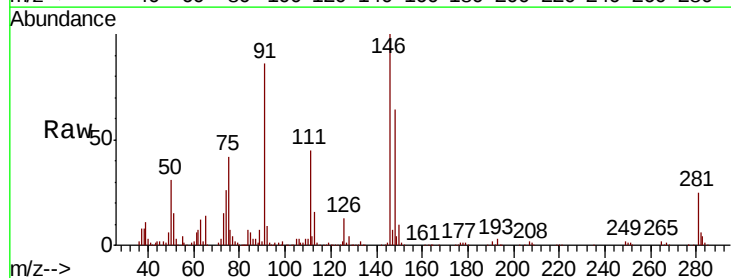


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

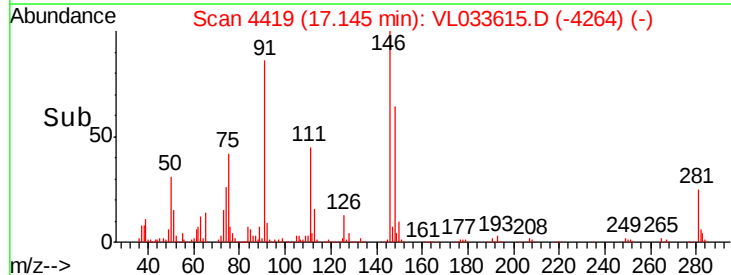
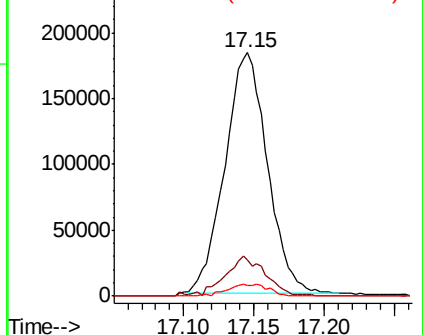


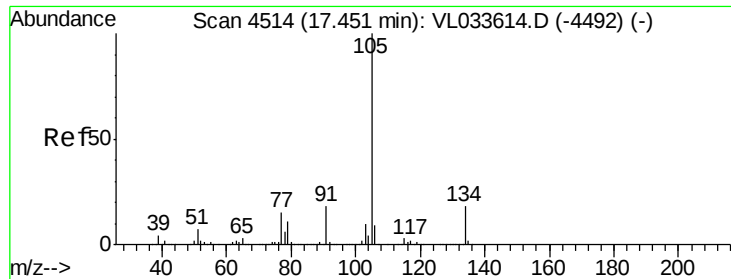
#66
Benzyl Chloride
Concen: 2.300 ppbv
RT: 17.15 min Scan# 4419
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion: 91 Resp: 386095
Ion Ratio Lower Upper
91 100
126 16.2 13.4 20.2
128 4.9 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

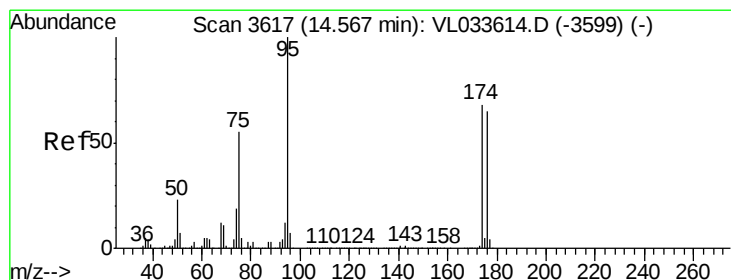
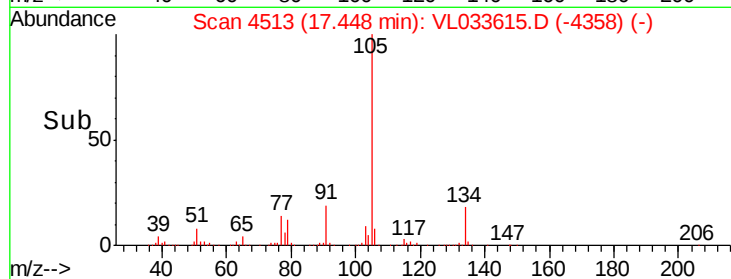
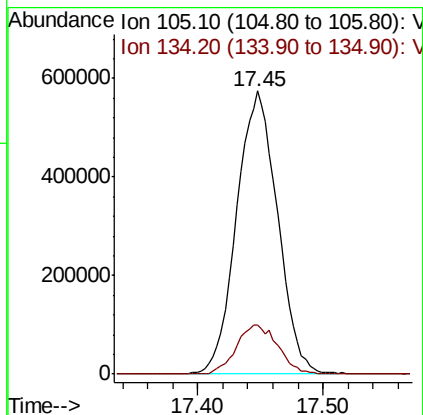
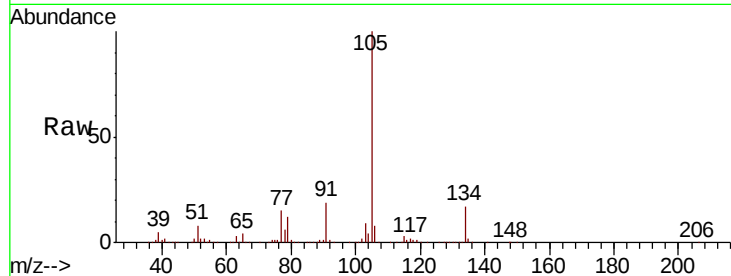




#67
 sec-Butylbenzene
 Concen: 2.495 ppbv
 RT: 17.45 min Scan# 4513
 Delta R.T. -0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

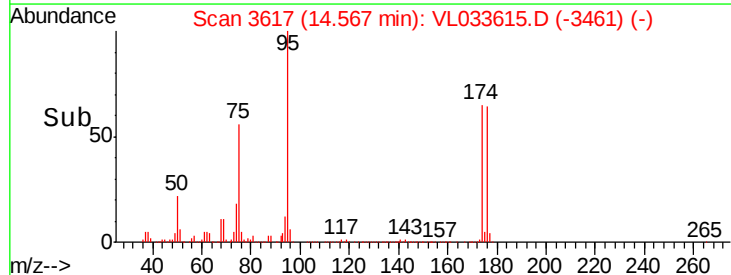
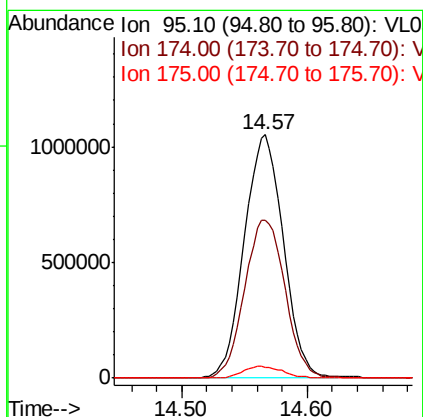
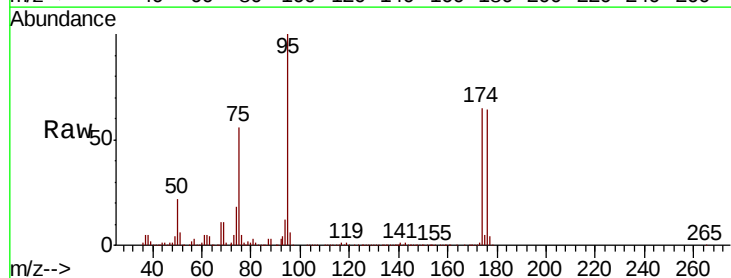
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

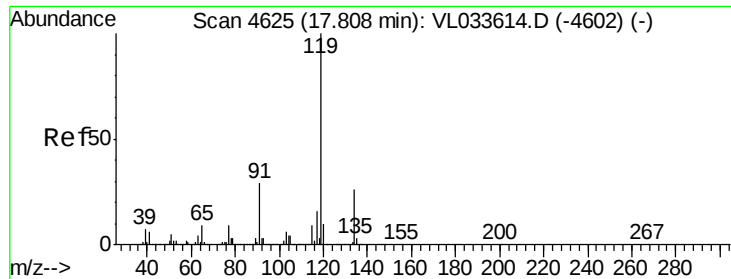
Tgt Ion: 105 Resp: 1294944
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.154 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. 0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Tgt Ion: 95 Resp: 2277243
 Ion Ratio Lower Upper
 95 100
 174 67.8 53.9 80.9
 175 4.9 4.0 6.0

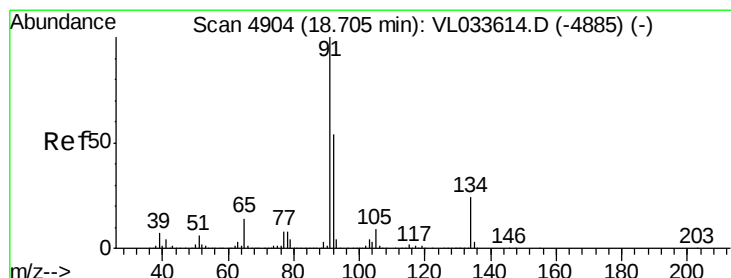
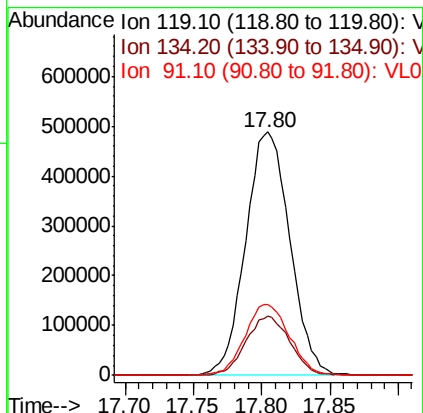
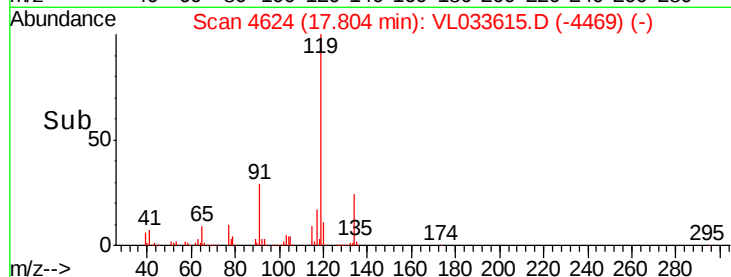
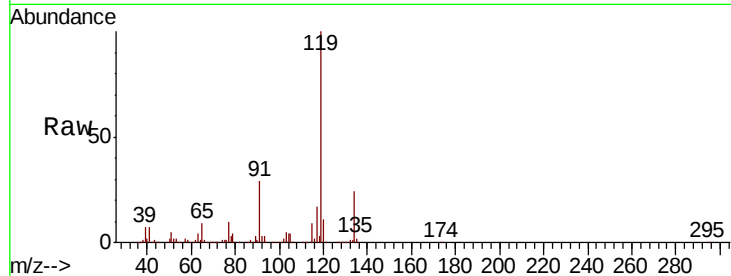




#69
p-Isopropyltoluene
Concen: 2.541 ppbv
RT: 17.80 min Scan# 4624
Delta R.T. -0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

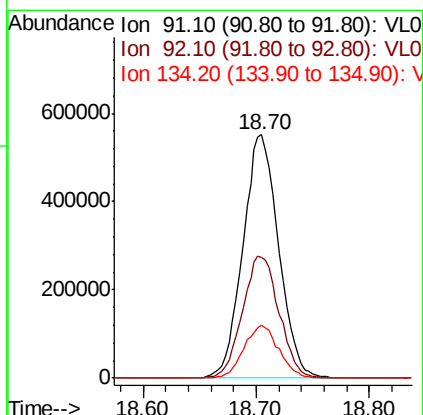
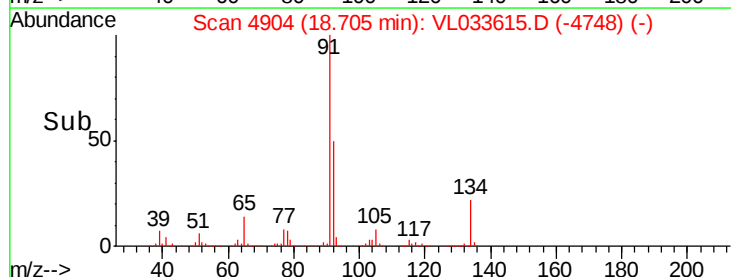
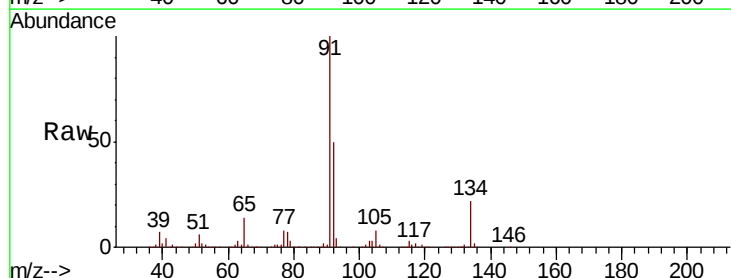
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

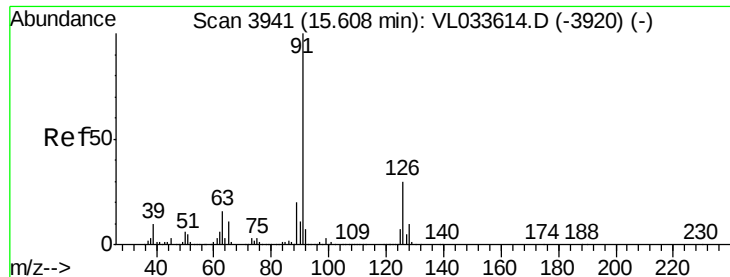
Tgt Ion: 119 Resp: 1097223
Ion Ratio Lower Upper
119 100
134 24.4 20.2 30.2
91 29.7 23.3 34.9



#70
n-Butylbenzene
Concen: 2.570 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. 0.00 min
Lab File: VL033615.D
Acq: 1 May 2019 12:34

Tgt Ion: 91 Resp: 1207311
Ion Ratio Lower Upper
91 100
92 51.6 42.6 64.0
134 21.3 18.0 27.0





#71

2-Chlorotoluene

Concen: 2.340 ppbv

RT: 15.61 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

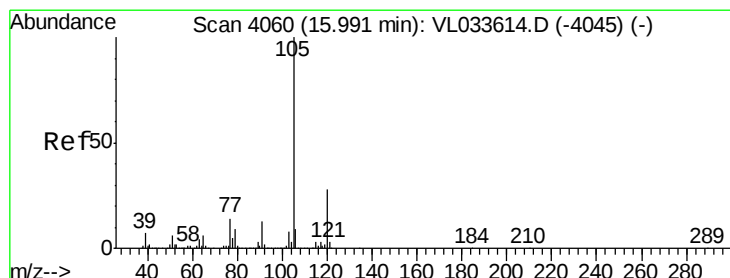
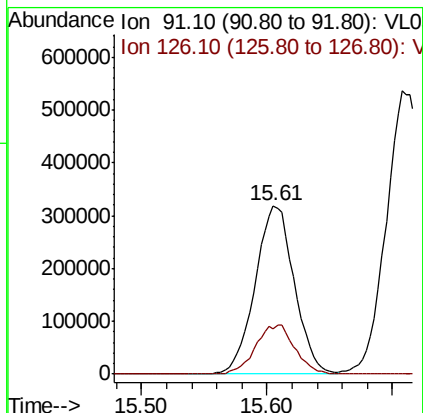
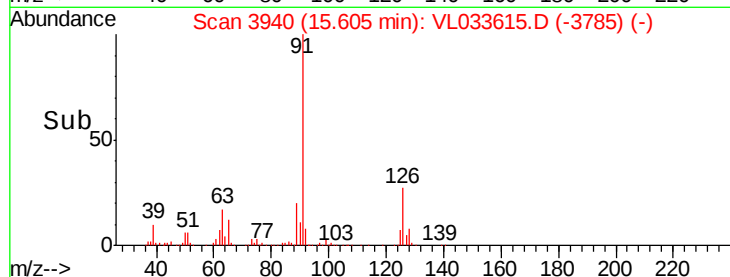
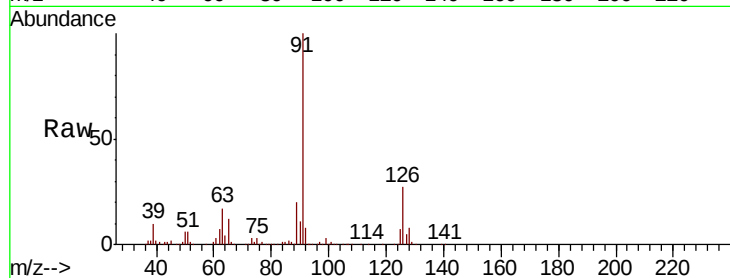
VSTDIC002

Tgt Ion: 91 Resp: 691781

Ion Ratio Lower Upper

91 100

126 29.4 11.9 47.7



#72

4-Ethyltoluene

Concen: 2.379 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Tgt Ion: 105 Resp: 801573

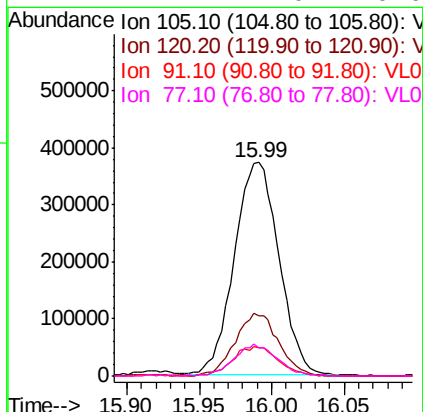
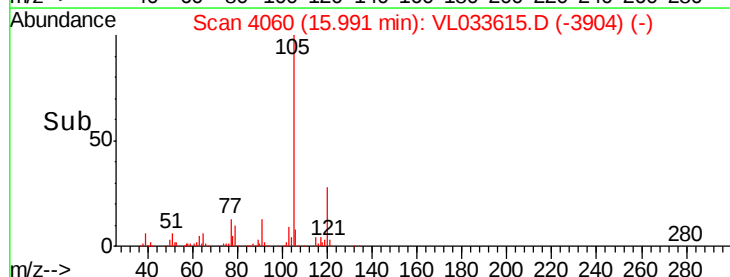
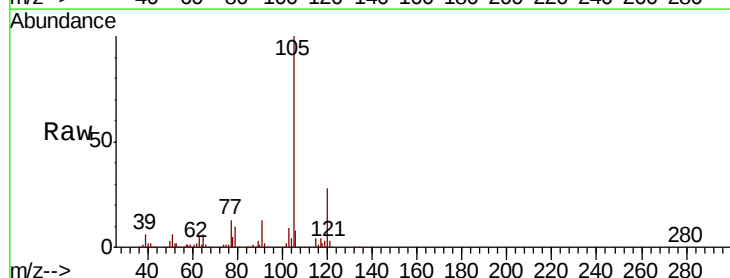
Ion Ratio Lower Upper

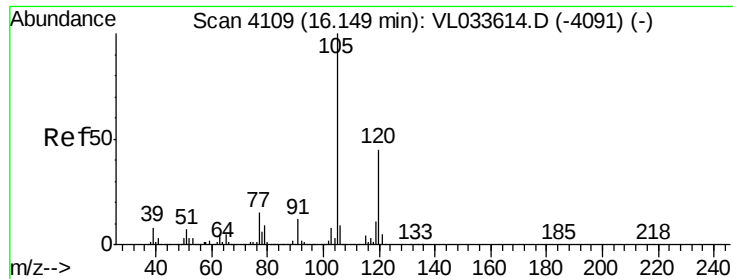
105 100

120 28.7 23.2 34.8

91 13.9 10.3 15.5

77 14.7 11.0 16.6

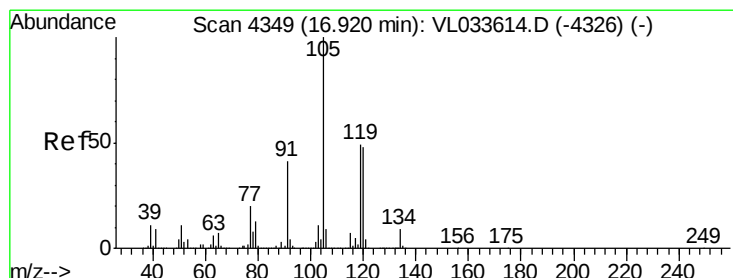
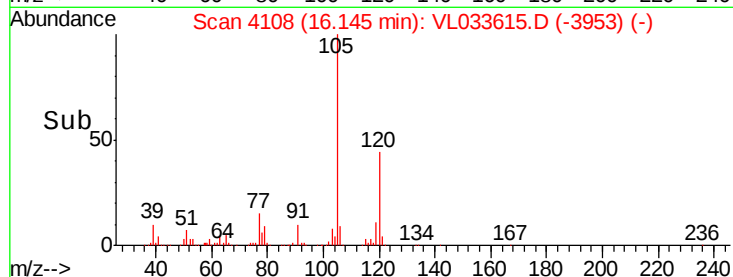
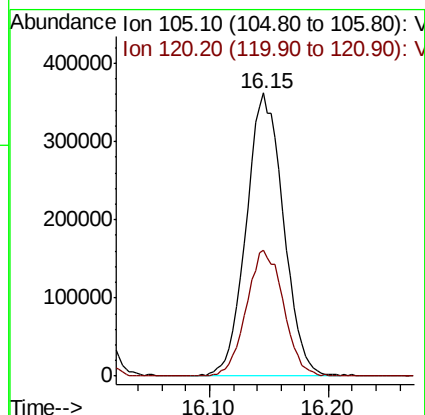
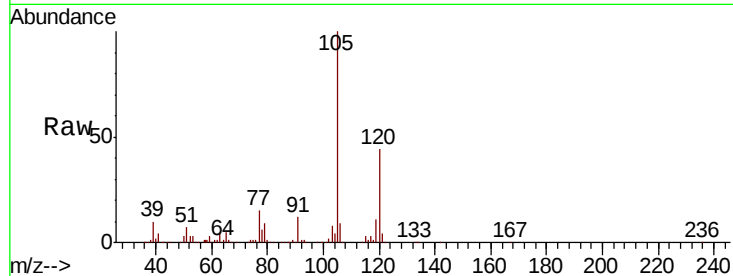




#73
 1,3,5-Trimethylbenzene
 Concen: 2.352 ppbv
 RT: 16.15 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

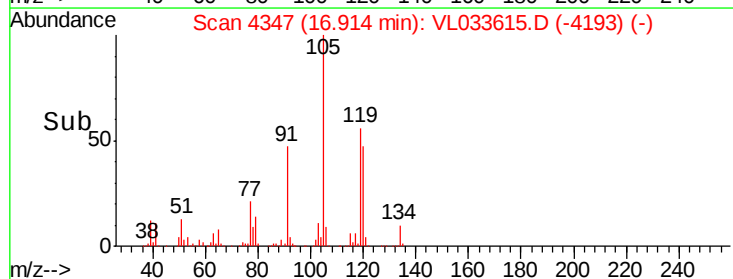
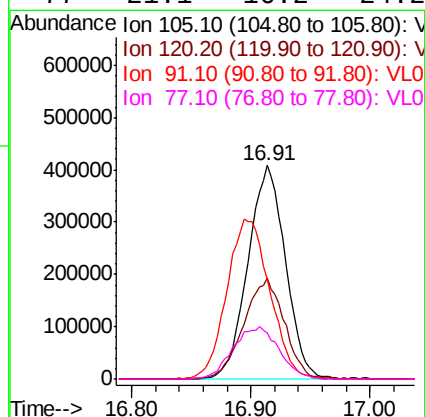
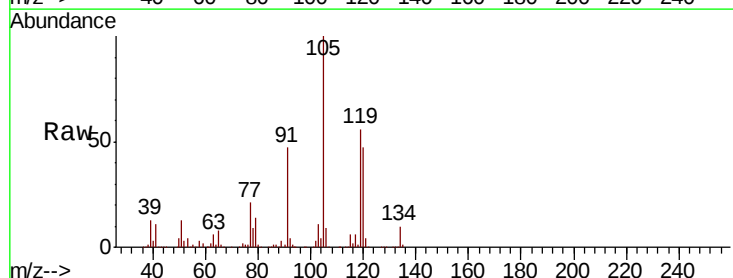
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

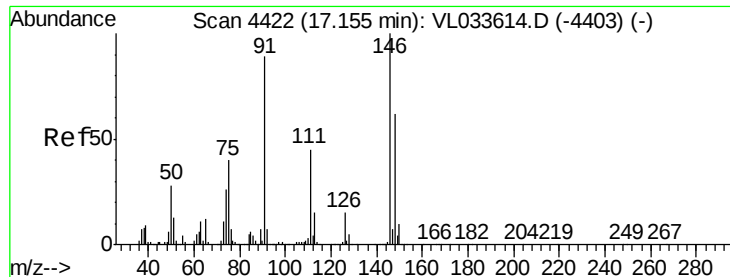
Tgt Ion:105 Resp: 779081
 Ion Ratio Lower Upper
 105 100
 120 44.4 36.2 54.2



#74
 1,2,4-Trimethylbenzene
 Concen: 2.409 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Tgt Ion:105 Resp: 889047
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.4 57.6
 91 46.4 33.0 49.4
 77 21.1 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 2.387 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

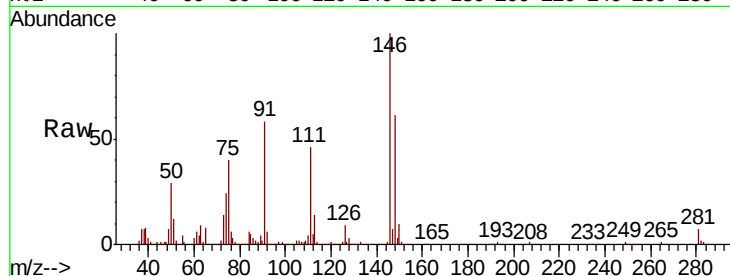
Tgt Ion:146 Resp: 548446

Ion Ratio Lower Upper

146 100

111 46.3 22.4 67.2

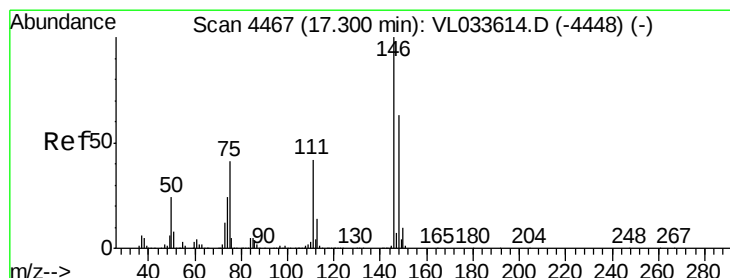
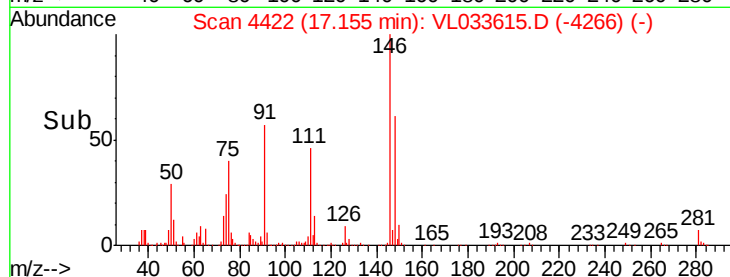
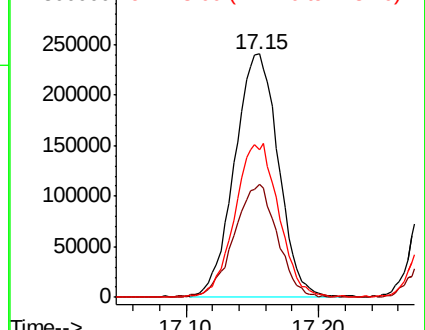
148 64.3 32.0 96.0



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: 2.436 ppbv

RT: 17.30 min Scan# 4466

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

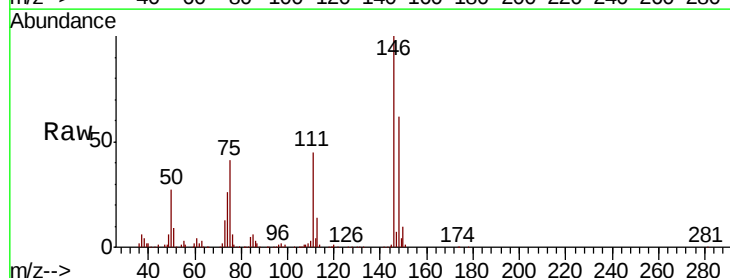
Tgt Ion:146 Resp: 533953

Ion Ratio Lower Upper

146 100

111 44.1 21.6 65.0

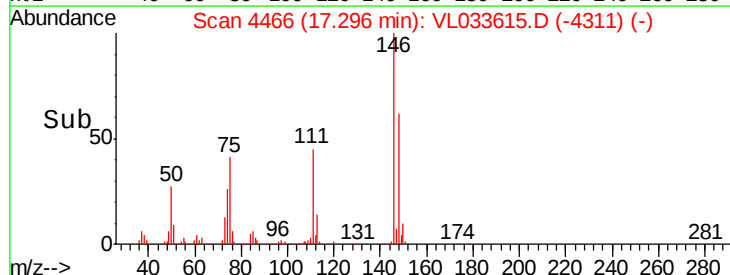
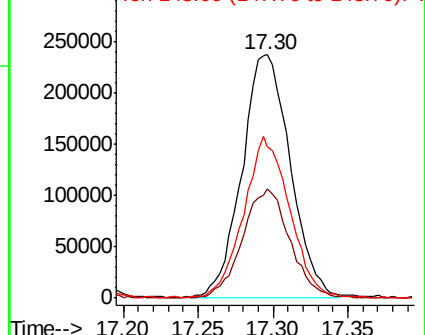
148 63.4 32.3 96.9

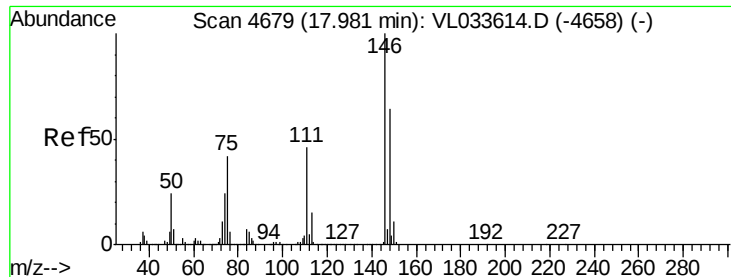


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 2.474 ppbv

RT: 17.98 min Scan# 4678

Delta R.T. -0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

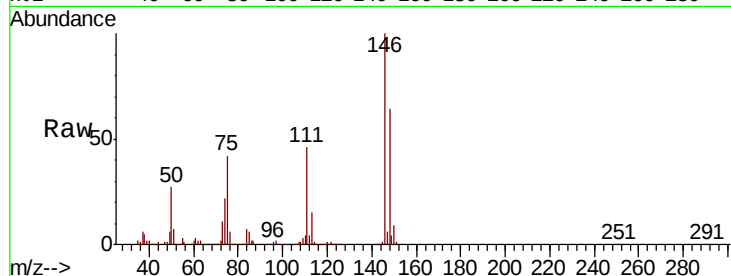
Tgt Ion:146 Resp: 529681

Ion Ratio Lower Upper

146 100

111 47.0 23.3 69.9

148 64.7 32.2 96.6

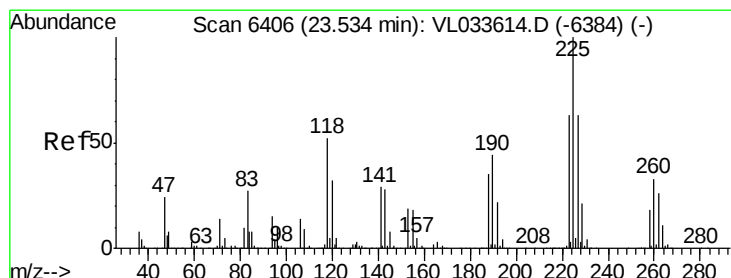
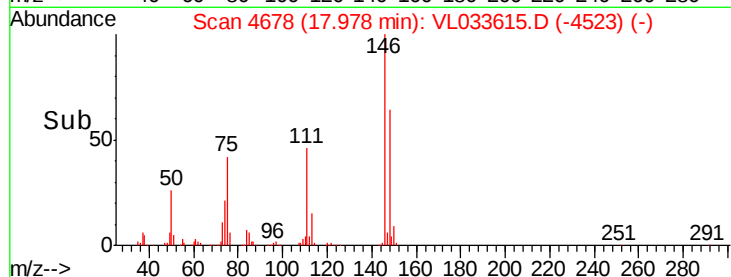
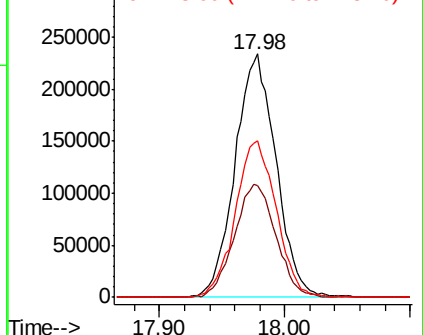


Abundance

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: 2.163 ppbv

RT: 23.53 min Scan# 6406

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

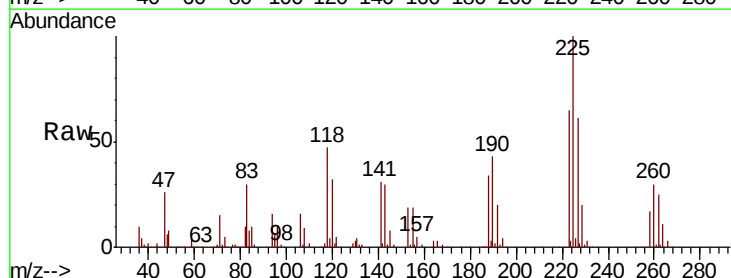
Tgt Ion:225 Resp: 353074

Ion Ratio Lower Upper

225 100

223 62.8 50.4 75.6

227 63.9 50.7 76.1

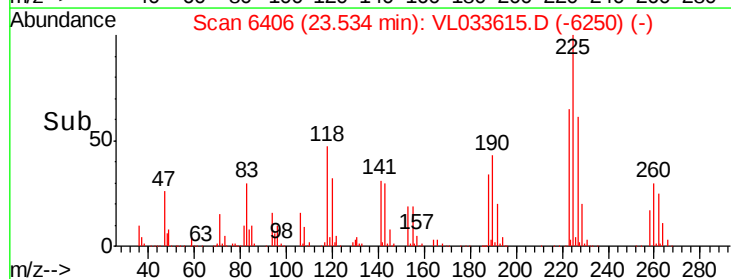
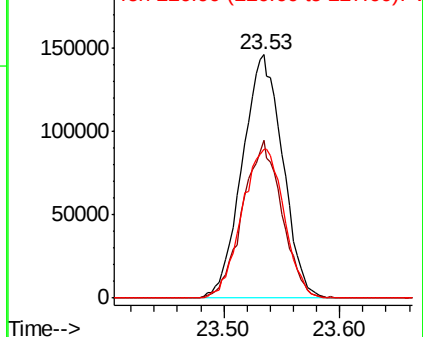


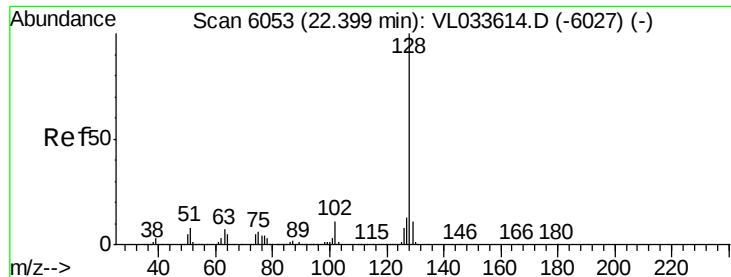
Abundance

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





#79

Naphthalene

Concen: 2.389 ppbv

RT: 22.40 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

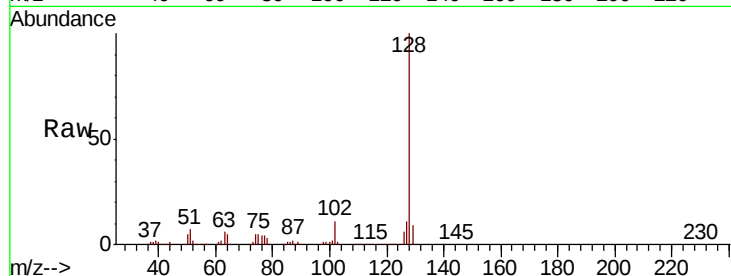
Tgt Ion:128 Resp: 814954

Ion Ratio Lower Upper

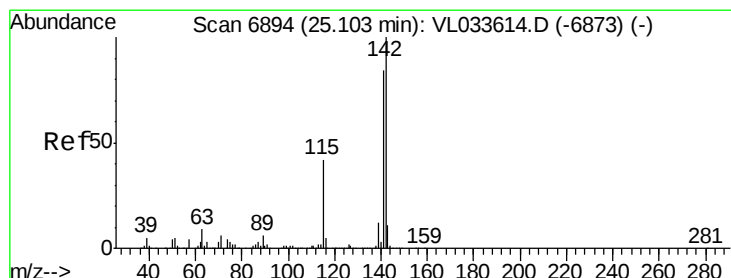
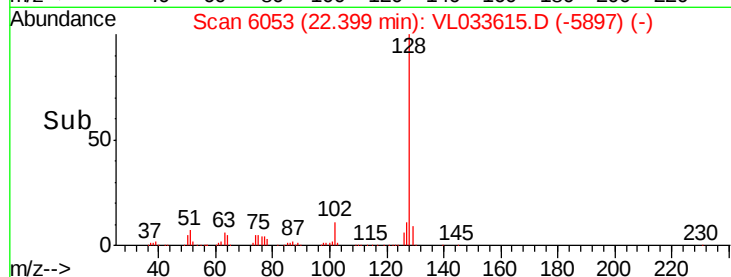
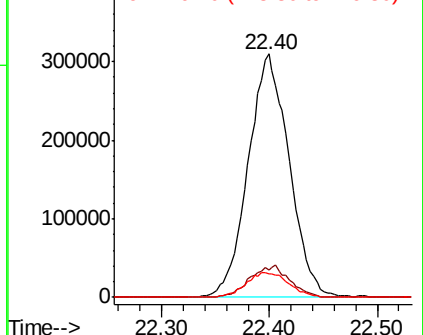
128 100

127 11.0 10.6 16.0

129 9.5 8.6 13.0



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 2.590 ppbv

RT: 25.10 min Scan# 6894

Delta R.T. 0.00 min

Lab File: VL033615.D

Acq: 1 May 2019 12:34

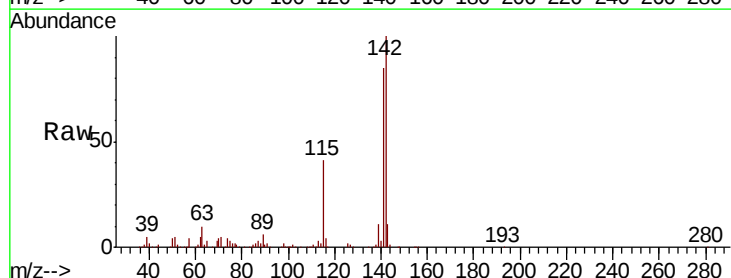
Tgt Ion:142 Resp: 383251

Ion Ratio Lower Upper

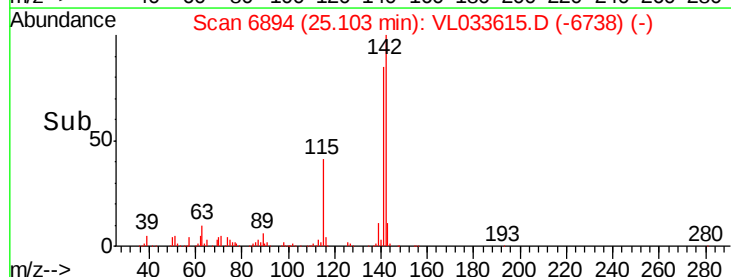
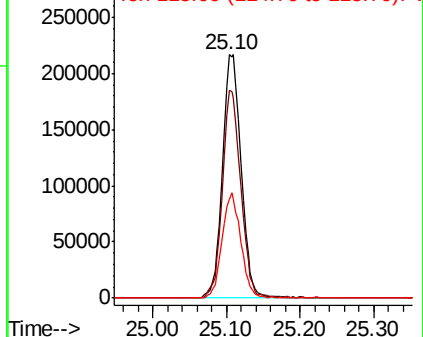
142 100

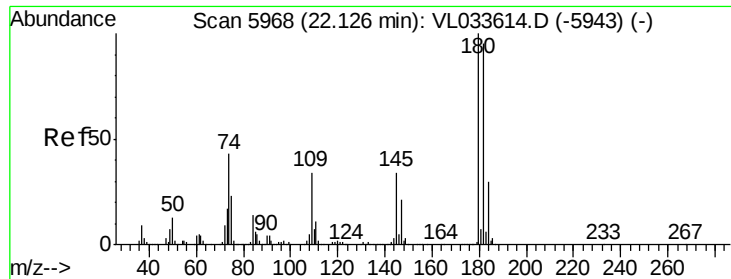
141 83.7 67.3 100.9

115 43.0 33.8 50.8



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: 2.313 ppbv
 RT: 22.12 min Scan# 5967
 Delta R.T. -0.00 min
 Lab File: VL033615.D
 Acq: 1 May 2019 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Resp	Lower	Upper
180	456968		
182	96.7	76.2	114.2
184	30.6	24.5	36.7

