

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
 Data File : VL033623.D
 Acq On : 2 May 2019 10:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 03 02:26:14 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 06:29:02 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1152405	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2880858	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3620074	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2357657	8.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1780095	10.250	ppbv	98
3) Chlorodifluoromethane	3.01	51	1288434	9.351	ppbv	98
4) Chloromethane	3.17	50	720679	9.603	ppbv	99
5) Vinyl Chloride	3.29	62	712101	9.044	ppbv	97
6) Bromomethane	3.51	94	464852	10.032	ppbv	98
7) Chloroethane	3.60	64	270077	10.289	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1787660	9.461	ppbv	99
9) Propene	3.03	41	583594	14.792	ppbv	85
10) Heptane	8.24	43	1474852	10.109	ppbv	99
11) Trichlorofluoromethane	4.00	101	2071788	10.036	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1371030	9.684	ppbv	99
13) Ethanol	3.65	45	139169	7.780	ppbv	97
14) Bromoethene	3.79	108	585586	10.077	ppbv	98
15) Acetone	3.90	43	1316365	9.383	ppbv	100
16) 1,3-Butadiene	3.36	39	630785	9.990	ppbv	100
17) tert-Butyl alcohol	4.35	59	1353296	11.172	ppbv	100
18) 1,1-Dichloroethene	4.35	96	627171	10.194	ppbv	95
19) Isopropyl Alcohol	4.02	45	1080306	11.219	ppbv	# 98
20) Methylene Chloride	4.41	84	520252	9.515	ppbv	96
21) Allyl Chloride	4.47	41	933257	10.574	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	670289	11.124	ppbv	98
23) Vinyl Acetate	5.15	43	2208636	10.586	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1512682	9.739	ppbv	98
25) Ethyl Acetate	5.77	43	2532842	9.512	ppbv	99
26) Hexane	5.78	57	1118231	9.973	ppbv	97
27) Carbon Disulfide	4.62	76	1544599	11.375	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	2029379	10.733	ppbv	99
29) Chloroform	5.85	83	1898924	9.241	ppbv	98
30) Cyclohexane	7.24	84	986483	10.393	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1165672	10.301	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	1938504	9.013	ppbv	99
34) 2-Butanone	5.33	43	1719187	9.721	ppbv	100
35) Carbon Tetrachloride	7.13	117	2069758	9.069	ppbv	99
36) Benzene	7.00	78	2480607	10.106	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1447828	8.877	ppbv	99
38) Trichloroethene	7.96	130	955733	9.763	ppbv	98
39) 1,2-Dichloropropane	7.73	63	910815	9.840	ppbv	98
40) 1,4-Dioxane	7.95	88	402400	10.699	ppbv	# 1
41) Tetrahydrofuran	6.14	42	974729	10.320	ppbv	100
42) Bromodichloromethane	7.91	83	2108138	9.551	ppbv	97
43) Methyl Methacrylate	8.13	69	957644	10.303	ppbv	99

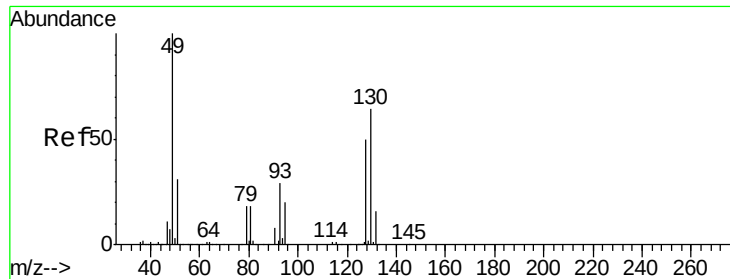
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
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 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3961816	9.261	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1337275	10.832	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1502131	10.787	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	1002272	8.302	ppbv	97
48) Dibromochloromethane	10.45	129	1810791	8.869	ppbv	99
49) Bromoform	13.20	173	1601865	10.241	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2544612	9.182	ppbv	99
51) 2-Hexanone	10.26	43	2138805	8.790	ppbv #	99
52) Tetrachloroethene	11.37	164	943652	9.999	ppbv	99
53) Toluene	9.94	91	2843732	9.180	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1600484	9.639	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1212275	7.774	ppbv #	55
57) Chlorobenzene	12.30	112	2169562	7.809	ppbv	99
58) Ethyl Benzene	12.86	91	3877429	9.302	ppbv	100
59) m/p-Xylene	13.15	91	3236366	9.025	ppbv #	100
60) o-Xylene	13.85	91	3172349	8.757	ppbv	100
61) Styrene	13.68	104	2444842	9.874	ppbv	99
62) Isopropylbenzene	14.82	105	4292262	8.866	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2124251	7.512	ppbv	99
64) n-propylbenzene	15.72	120	1090916	8.688	ppbv	98
65) tert-Butylbenzene	16.91	119	3758653	8.302	ppbv	99
66) Benzyl Chloride	17.15	91	2062237	10.044	ppbv	99
67) sec-Butylbenzene	17.45	105	5275277	8.297	ppbv	100
69) p-Isopropyltoluene	17.81	119	4420979	8.358	ppbv	99
70) n-Butylbenzene	18.71	91	4569412	7.937	ppbv	100
71) 2-Chlorotoluene	15.61	91	3139950	8.672	ppbv	99
72) 4-Ethyltoluene	16.00	105	3672122	8.900	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3466975	8.544	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	3613214	7.984	ppbv	97
75) 1,3-Dichlorobenzene	17.16	146	2135185	7.579	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2145652	7.987	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2062348	7.869	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1838903	9.177	ppbv	99
79) Naphthalene	22.41	128	4255353	10.195	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	2132913	11.788	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	2170855	8.969	ppbv	100

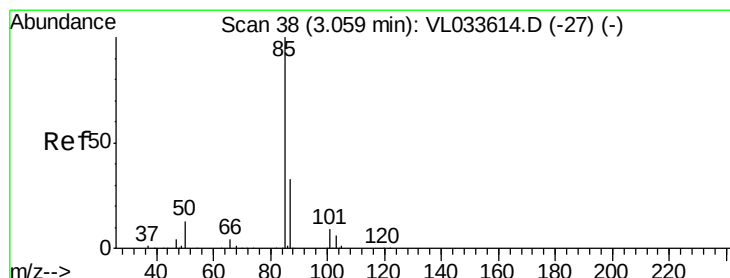
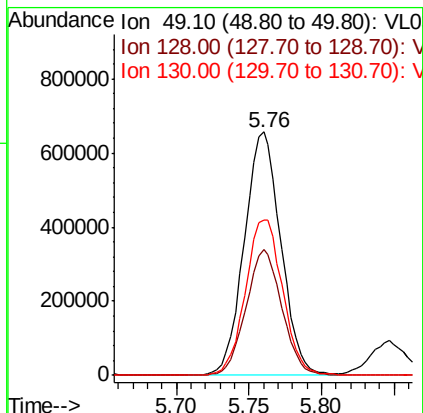
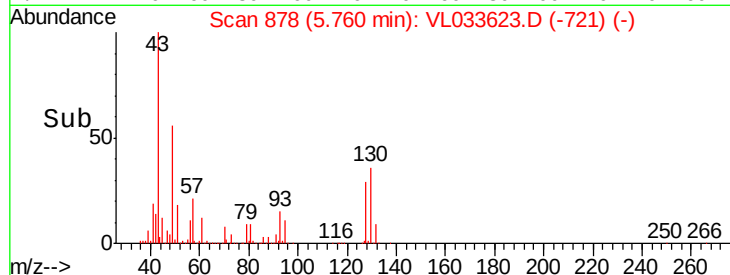
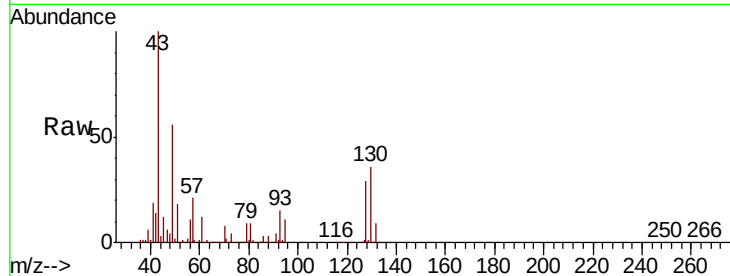
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

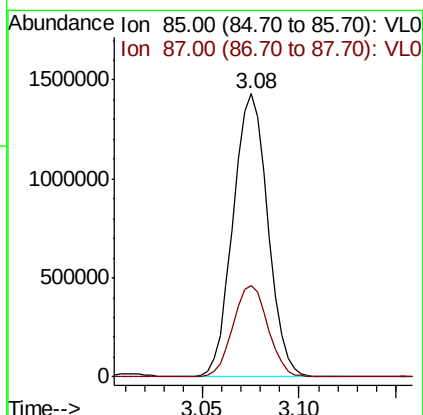
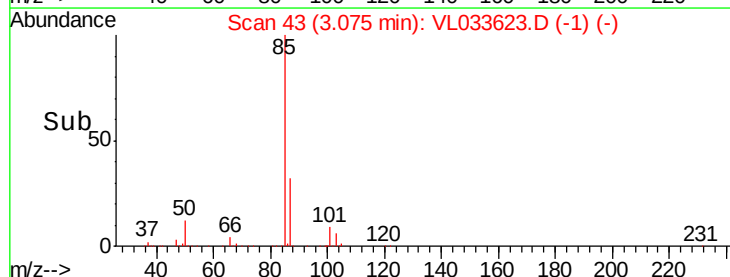
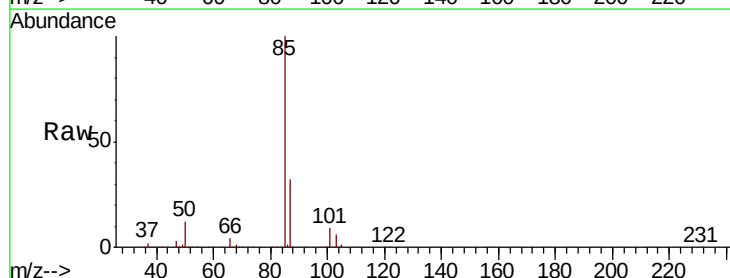
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

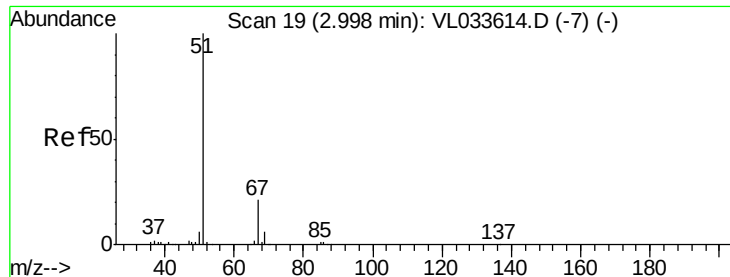
Tgt Ion: 49 Resp: 1152405
 Ion Ratio Lower Upper
 49 100
 128 50.9 25.0 75.0
 130 65.3 31.9 95.9



#2
 Dichlorodifluoromethane
 Concen: 10.250 ppbv
 RT: 3.08 min Scan# 43
 Delta R.T. 0.02 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion: 85 Resp: 1780095
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.8 40.2

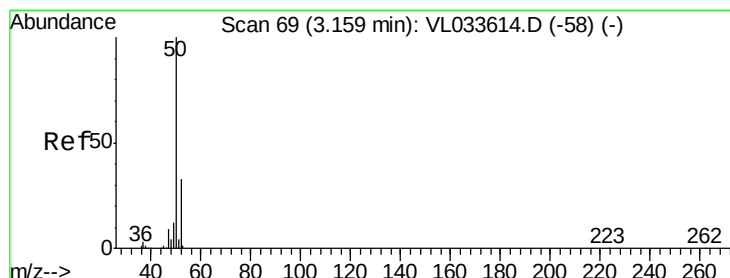
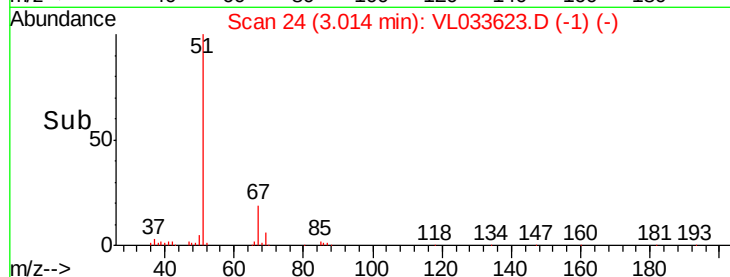
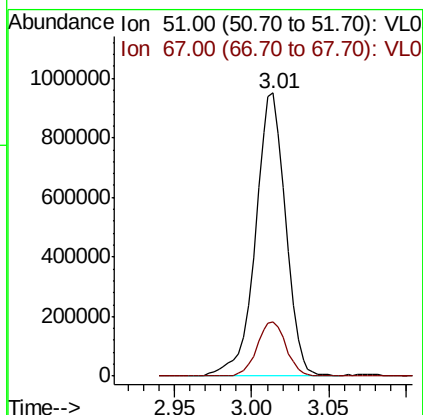
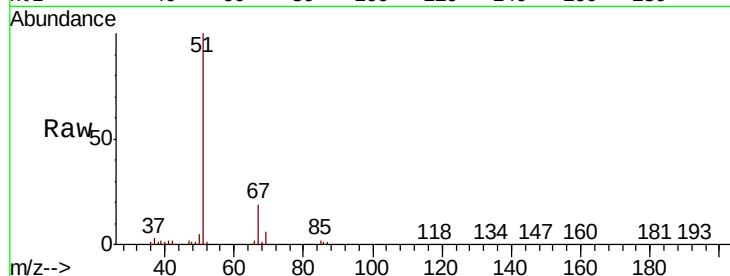




#3
 Chlorodifluoromethane
 Concen: 9.351 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. 0.02 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

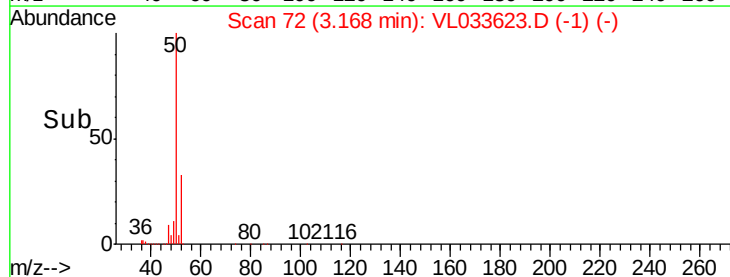
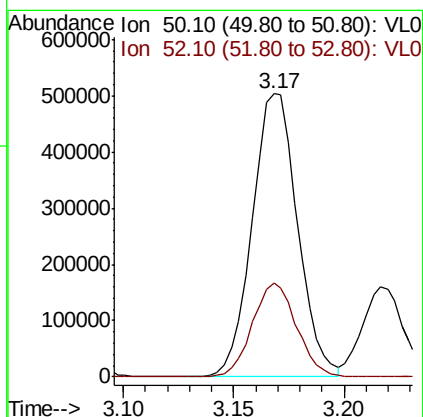
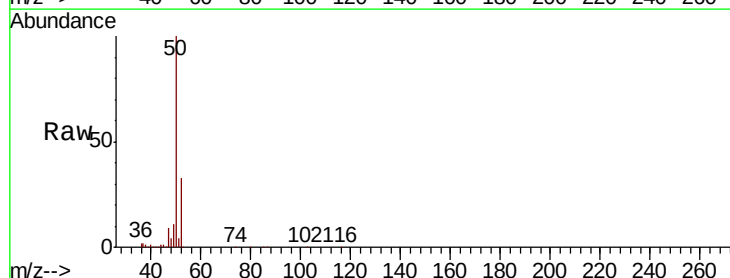
Instrument :
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 ClientSampleId :
 VSTDCCC010

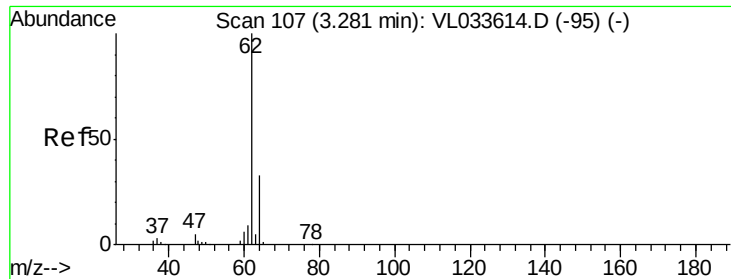
Tgt Ion: 51 Resp: 1288434
 Ion Ratio Lower Upper
 51 100
 67 18.7 15.6 23.4



#4
 Chloromethane
 Concen: 9.603 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion: 50 Resp: 720679
 Ion Ratio Lower Upper
 50 100
 52 33.1 26.0 39.0





#5

Vinyl Chloride

Concen: 9.044 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

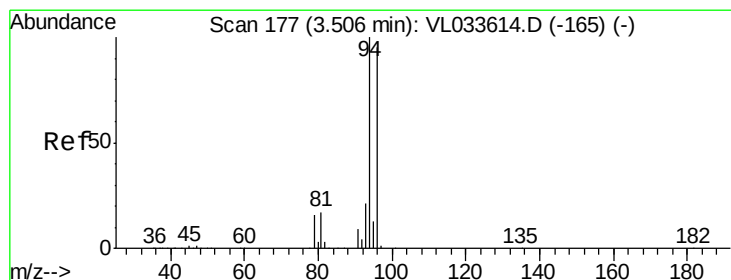
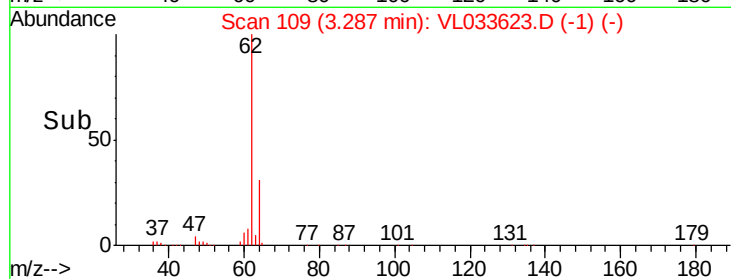
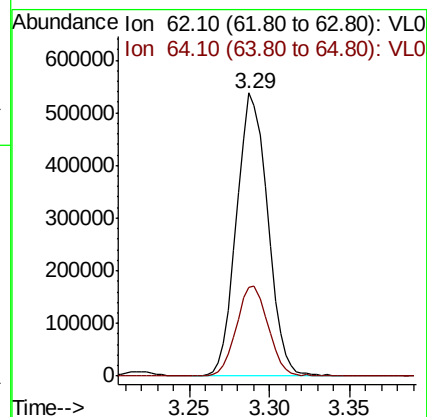
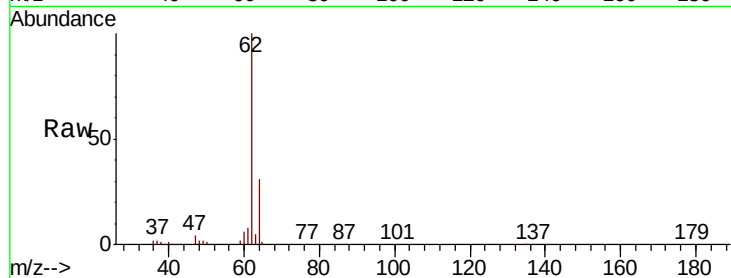
VSTDCCC010

Tgt Ion: 62 Resp: 712101

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.4



#6

Bromomethane

Concen: 10.032 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.01 min

Lab File: VL033623.D

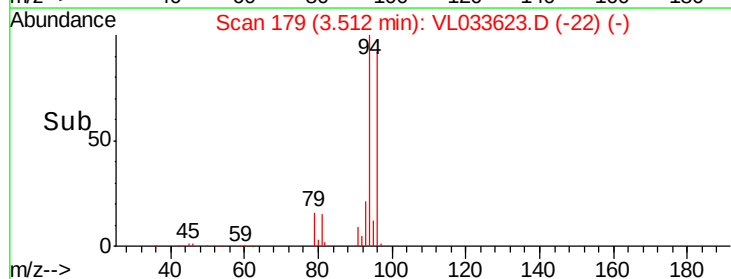
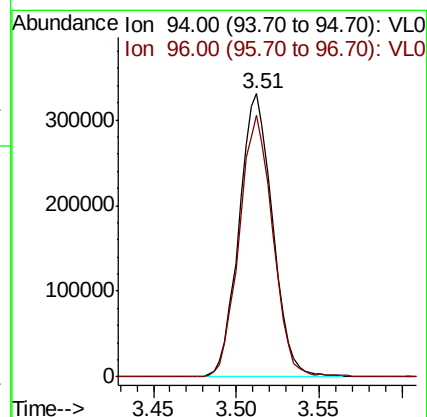
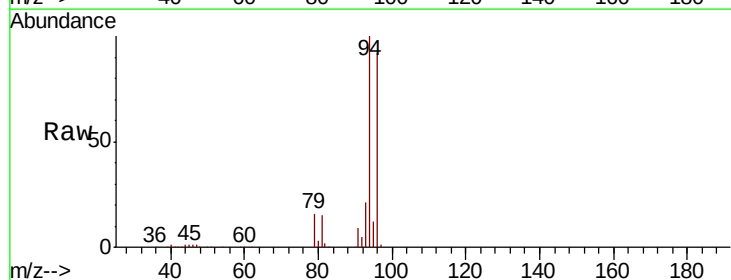
Acq: 2 May 2019 10:26

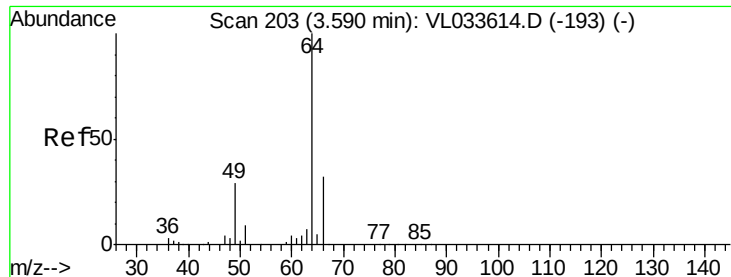
Tgt Ion: 94 Resp: 464852

Ion Ratio Lower Upper

94 100

96 92.4 75.7 113.5





#7

Chloroethane

Concen: 10.289 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

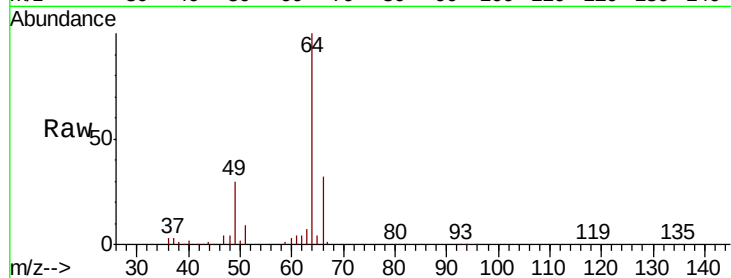
VSTDCCC010

Tgt Ion: 64 Resp: 270077

Ion Ratio Lower Upper

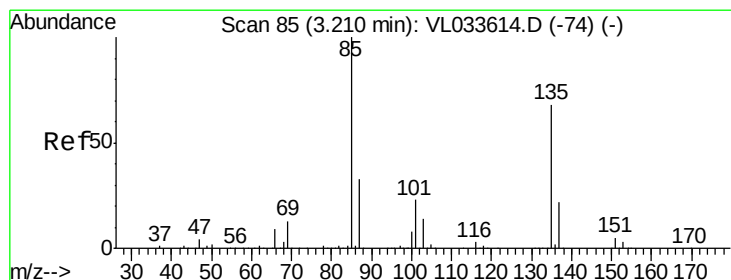
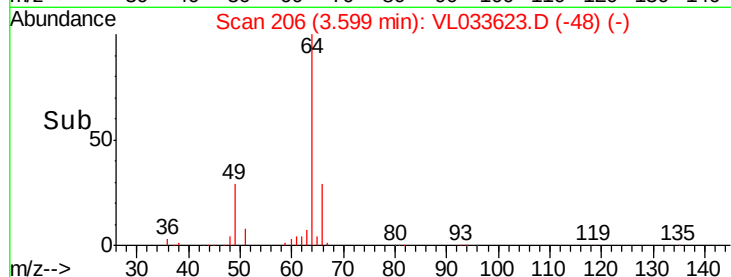
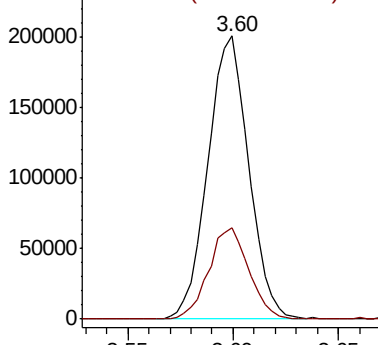
64 100

66 32.3 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: 9.461 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.01 min

Lab File: VL033623.D

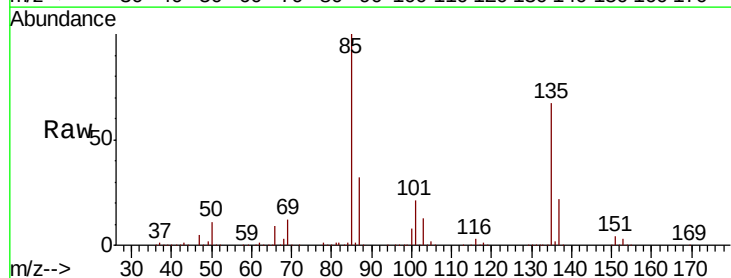
Acq: 2 May 2019 10:26

Tgt Ion: 85 Resp: 1787660

Ion Ratio Lower Upper

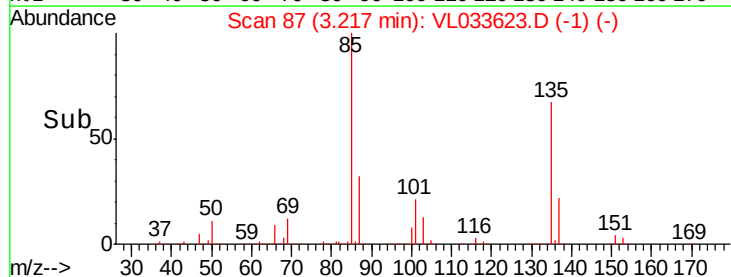
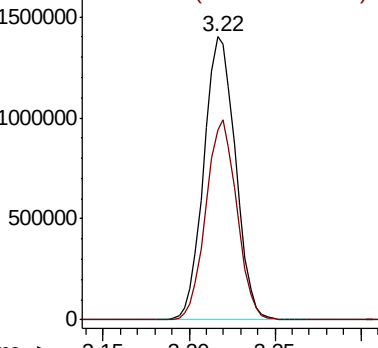
85 100

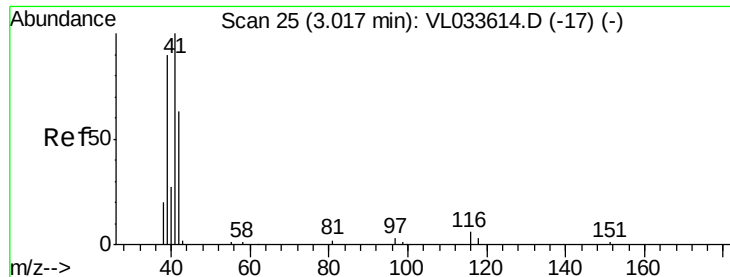
135 69.4 55.0 82.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 14.792 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.02 min

Lab File: VL033623.D

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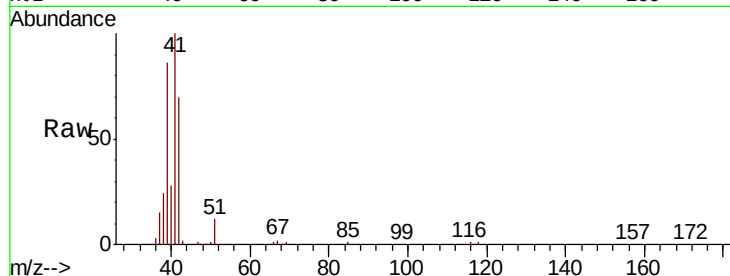
VSTDCCC010

Tgt Ion: 41 Resp: 583594

Ion Ratio Lower Upper

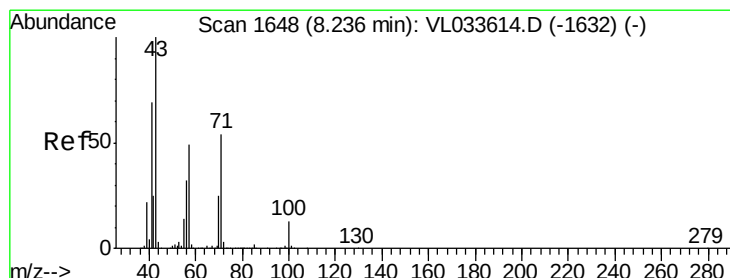
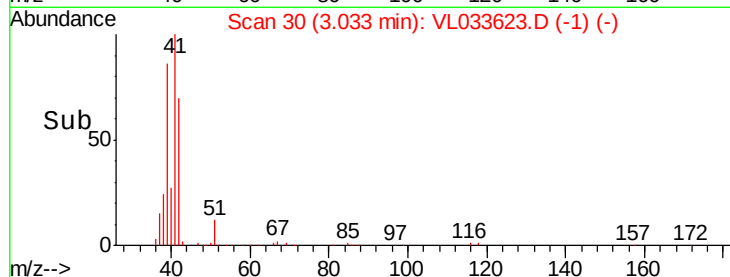
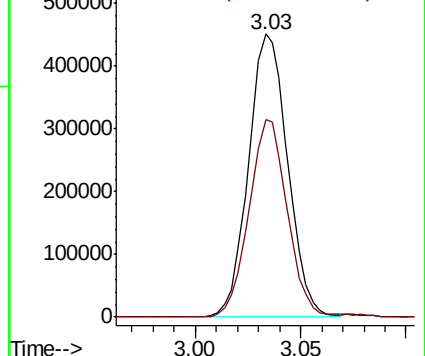
41 100

42 68.9 66.0 99.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.109 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.01 min

Lab File: VL033623.D

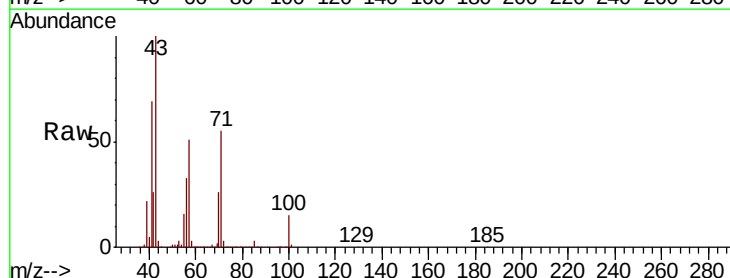
Acq: 2 May 2019 10:26

Tgt Ion: 43 Resp: 1474852

Ion Ratio Lower Upper

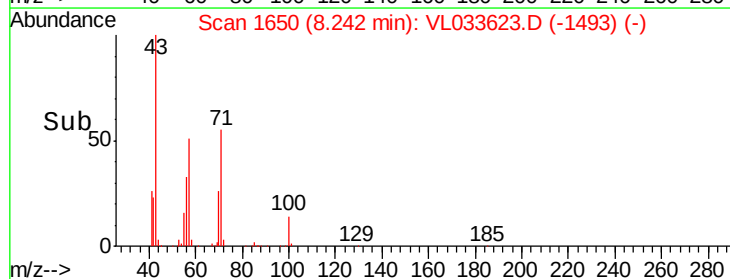
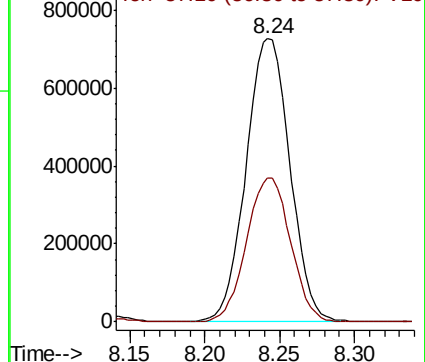
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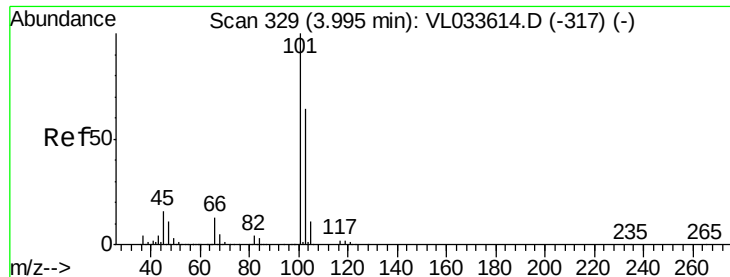
57 50.9 40.3 60.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.036 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

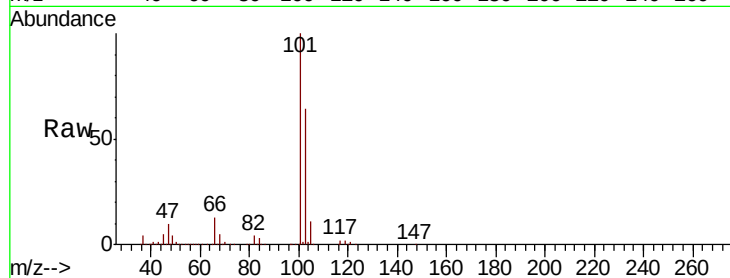
VSTDCCC010

Tgt Ion:101 Resp: 2071788

Ion Ratio Lower Upper

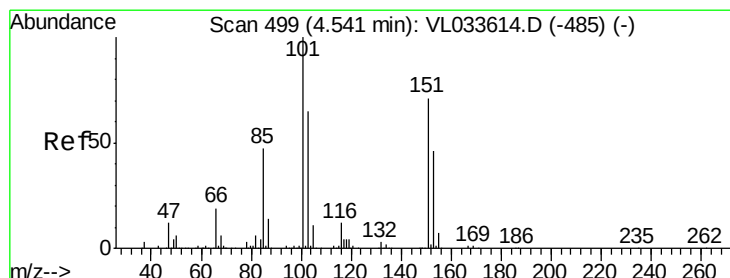
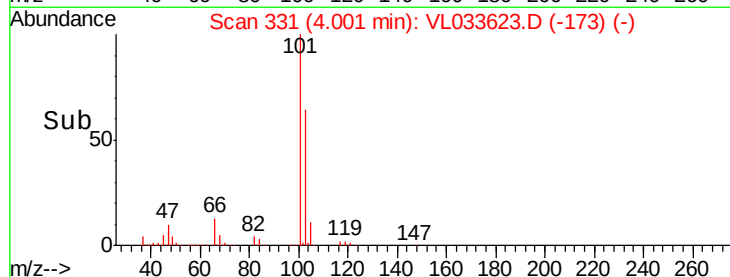
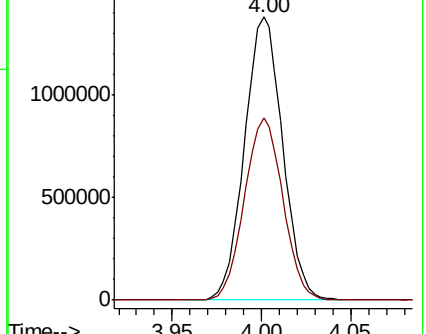
101 100

103 64.4 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.684 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.01 min

Lab File: VL033623.D

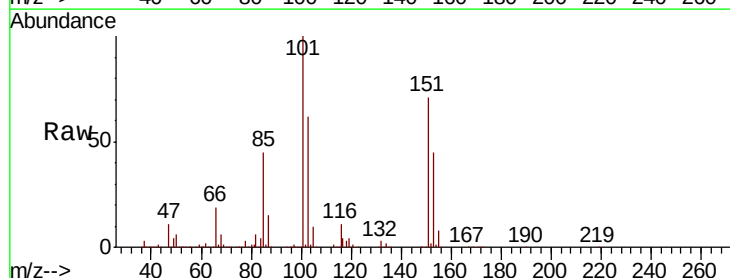
Acq: 2 May 2019 10:26

Tgt Ion:101 Resp: 1371030

Ion Ratio Lower Upper

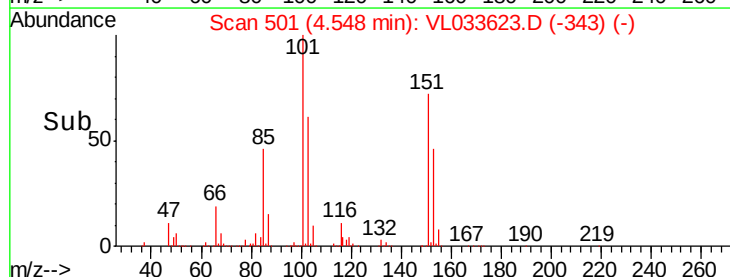
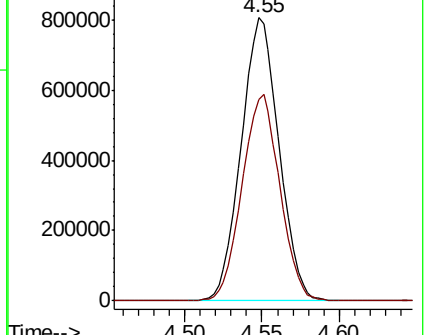
101 100

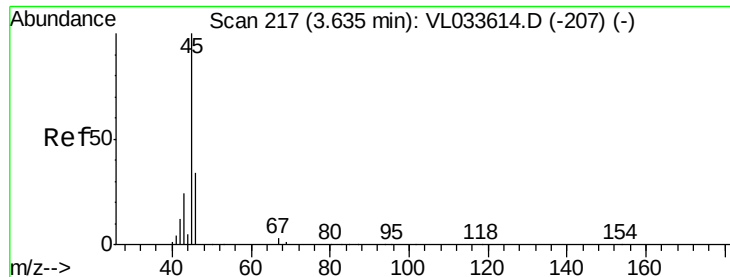
151 73.2 59.2 88.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

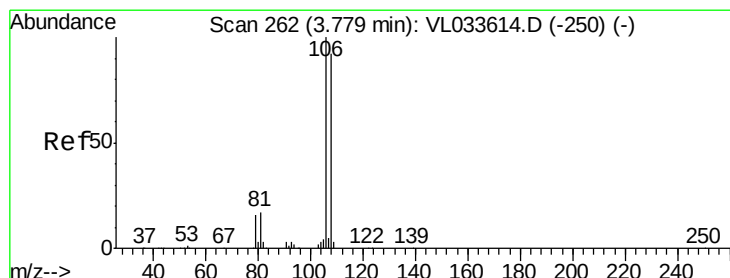
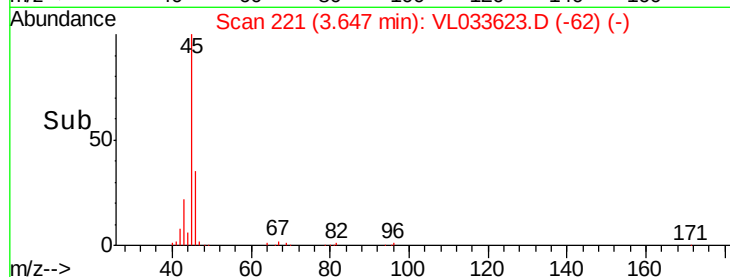
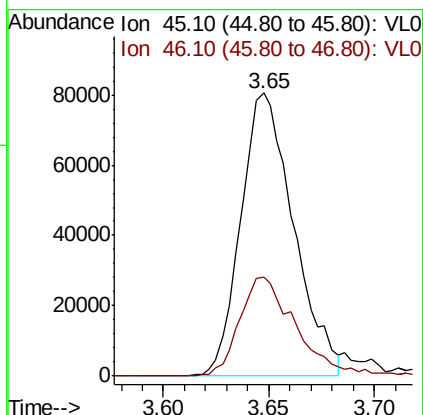
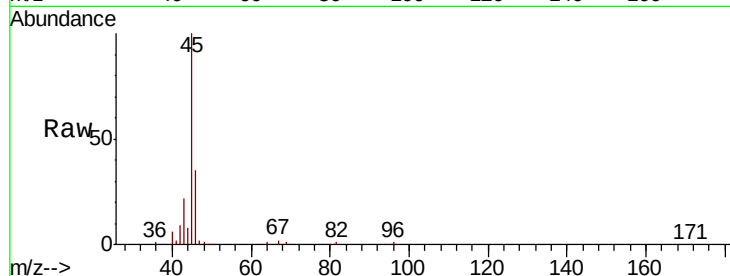




#13
 Ethanol
 Concen: 7.780 ppbv
 RT: 3.65 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

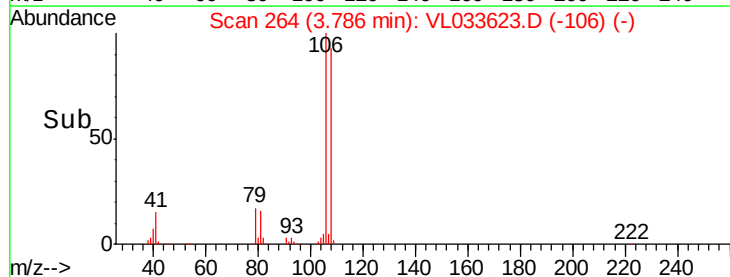
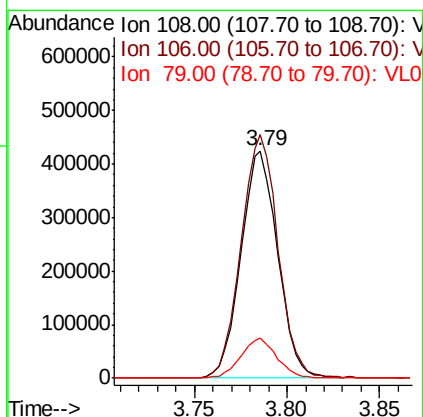
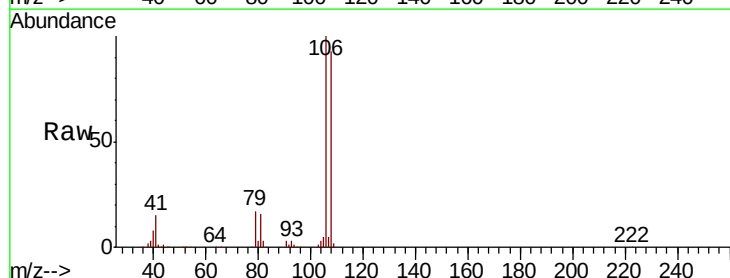
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

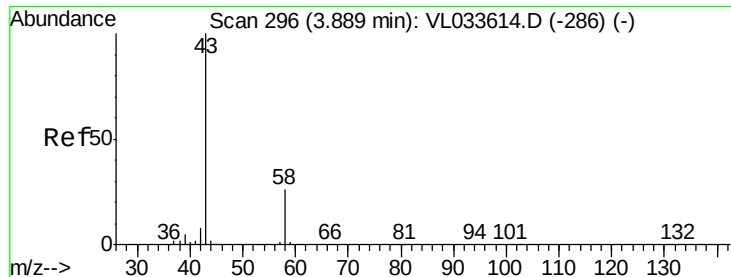
Tgt Ion: 45 Resp: 139169
 Ion Ratio Lower Upper
 45 100
 46 38.3 14.6 58.2



#14
 Bromoethene
 Concen: 10.077 ppbv
 RT: 3.79 min Scan# 264
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion: 108 Resp: 585586
 Ion Ratio Lower Upper
 108 100
 106 108.2 84.6 127.0
 79 17.6 14.4 21.6





#15

Acetone

Concen: 9.383 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

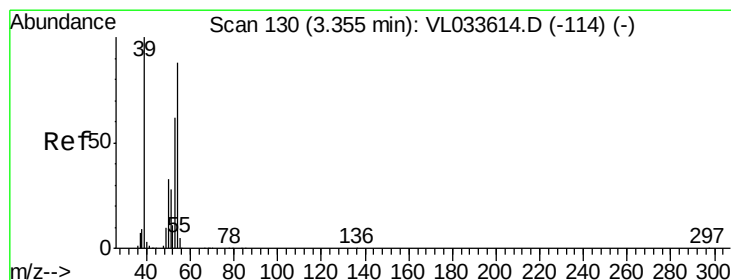
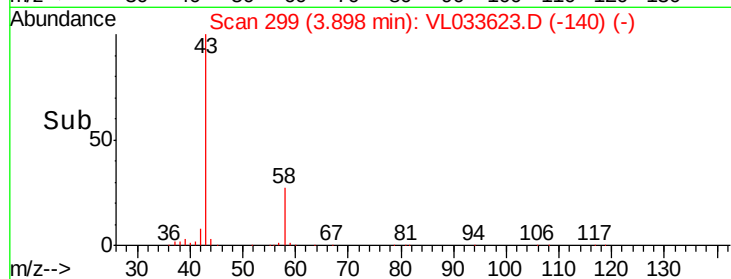
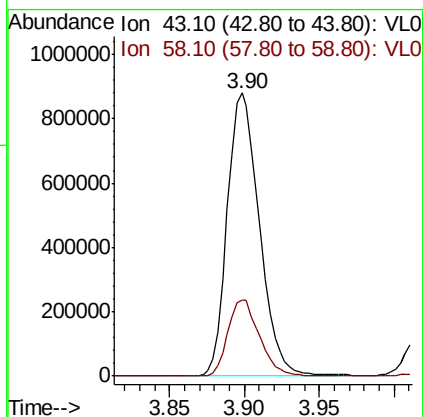
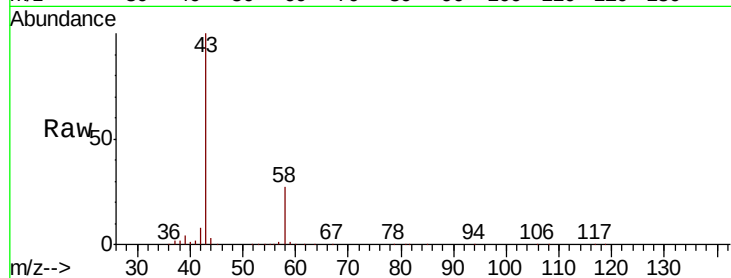
VSTDCCC010

Tgt Ion: 43 Resp: 1316365

Ion Ratio Lower Upper

43 100

58 26.7 21.2 31.8



#16

1,3-Butadiene

Concen: 9.990 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL033623.D

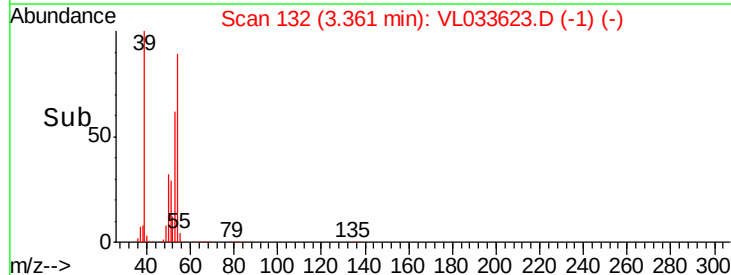
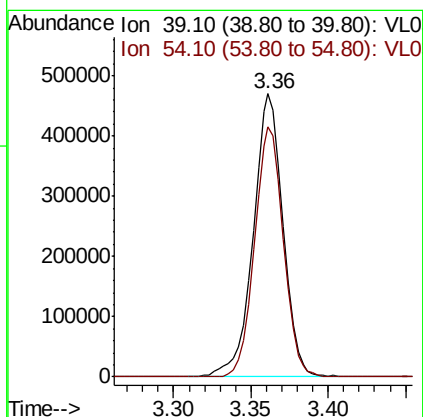
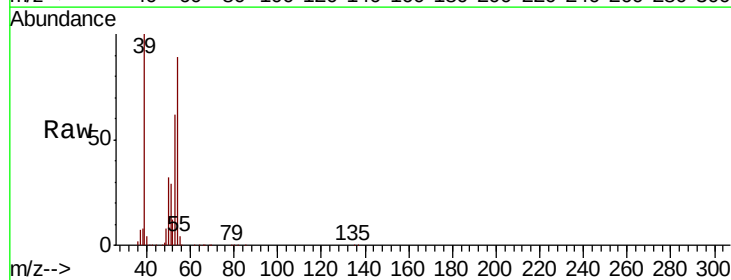
Acq: 2 May 2019 10:26

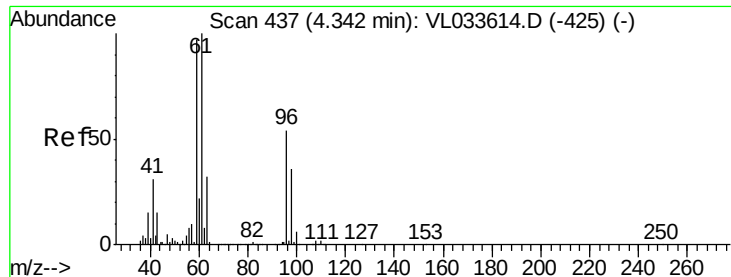
Tgt Ion: 39 Resp: 630785

Ion Ratio Lower Upper

39 100

54 85.9 68.4 102.6





#17

tert-Butyl alcohol

Concen: 11.172 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

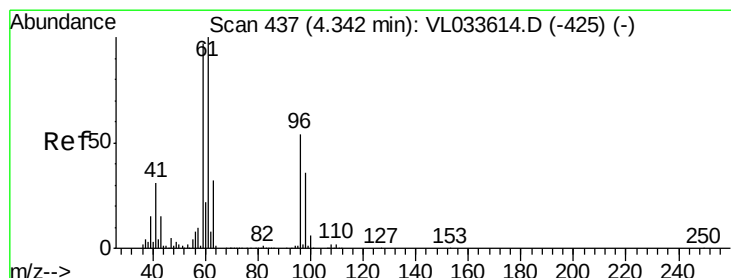
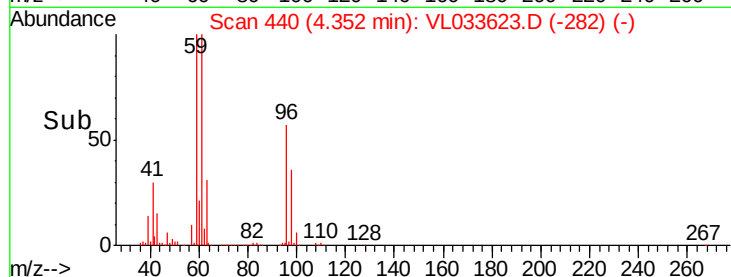
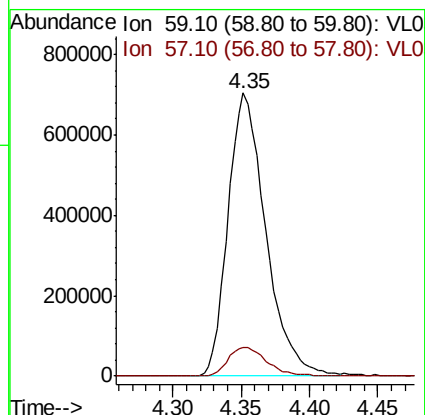
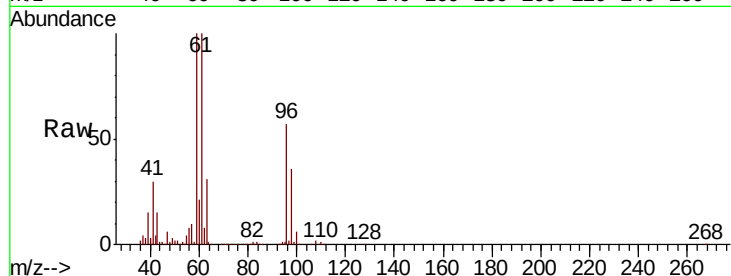
VSTDCCC010

Tgt Ion: 59 Resp: 1353296

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 10.194 ppbv

RT: 4.35 min Scan# 439

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

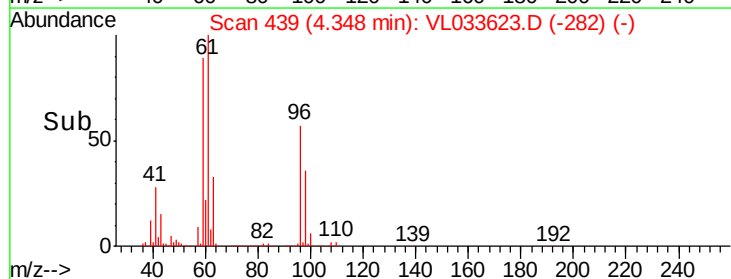
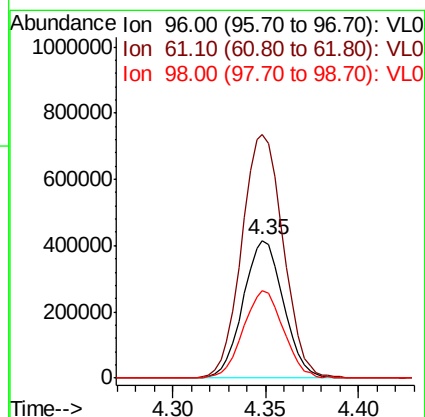
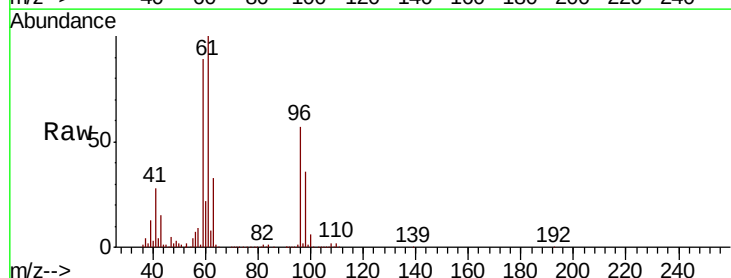
Tgt Ion: 96 Resp: 627171

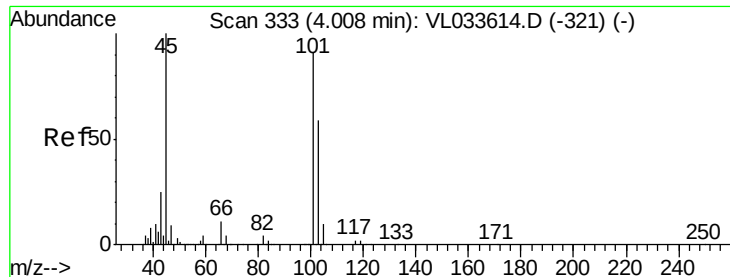
Ion Ratio Lower Upper

96 100

61 176.5 147.3 220.9

98 63.3 53.6 80.4





#19

Isopropyl Alcohol

Concen: 11.219 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

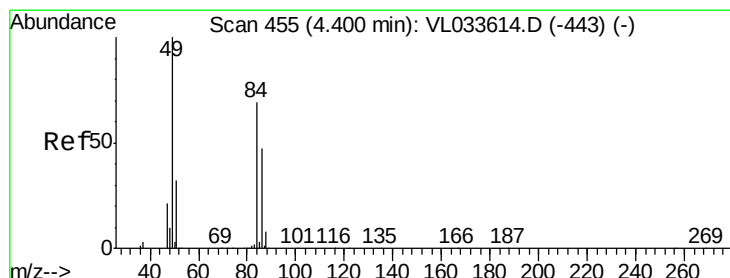
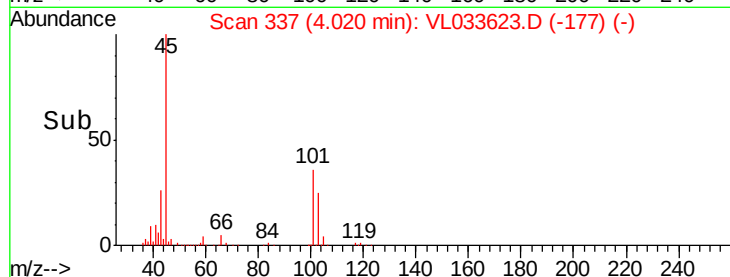
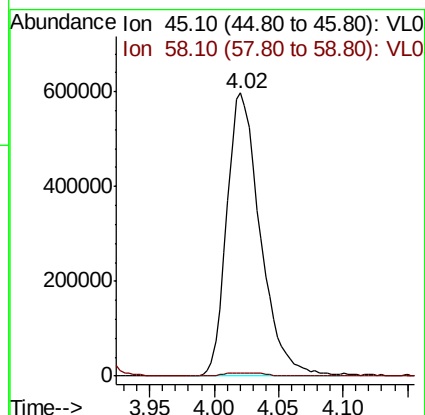
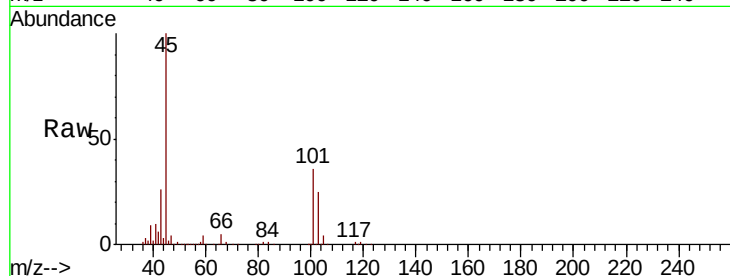
VSTDCCC010

Tgt Ion: 45 Resp: 1080306

Ion Ratio Lower Upper

45 100

58 1.6 1.8 2.6#



#20

Methylene Chloride

Concen: 9.515 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Tgt Ion: 84 Resp: 520252

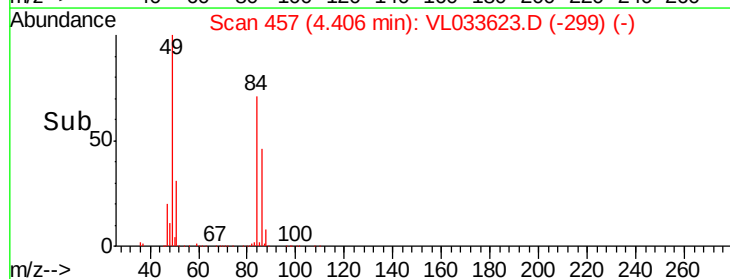
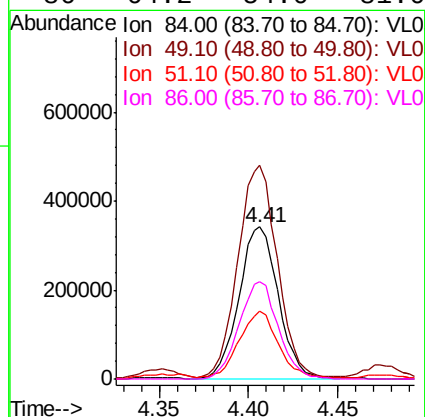
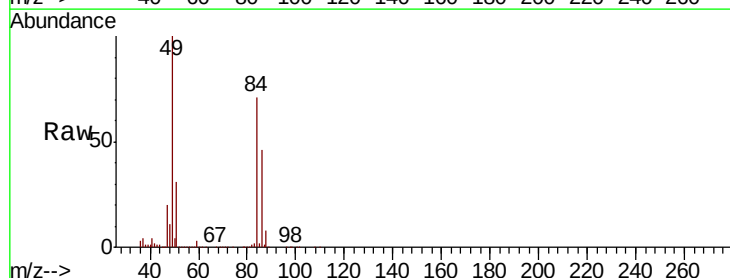
Ion Ratio Lower Upper

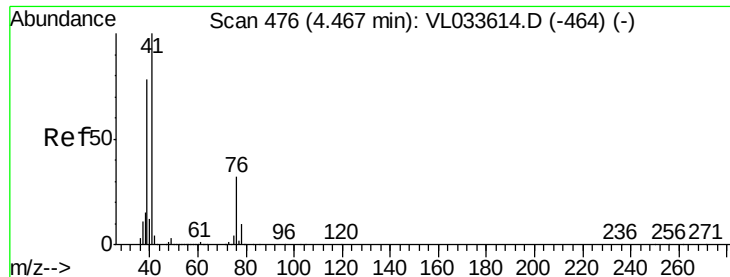
84 100

49 139.5 116.2 174.2

51 43.8 37.0 55.6

86 64.2 54.0 81.0

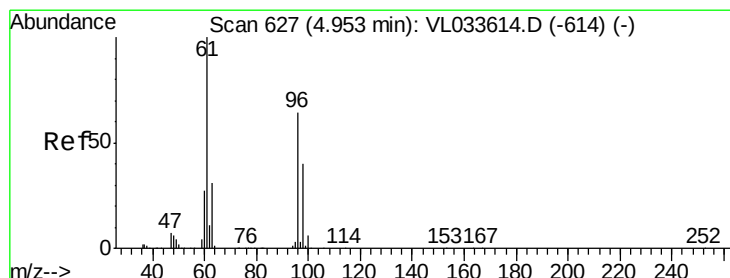
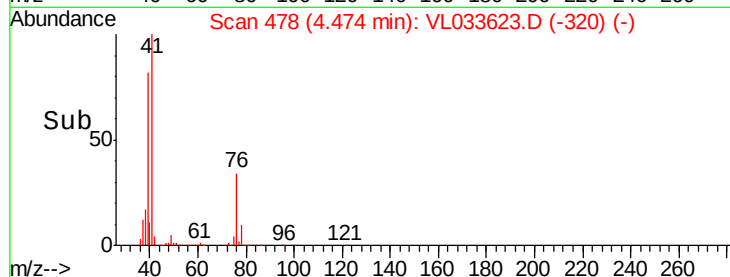
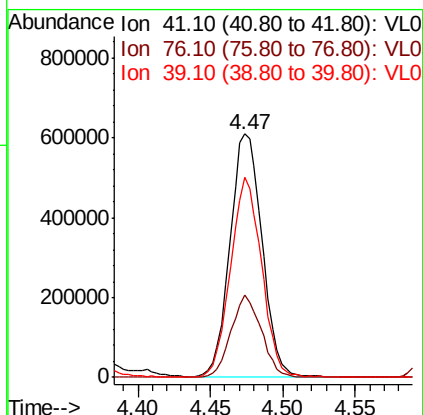
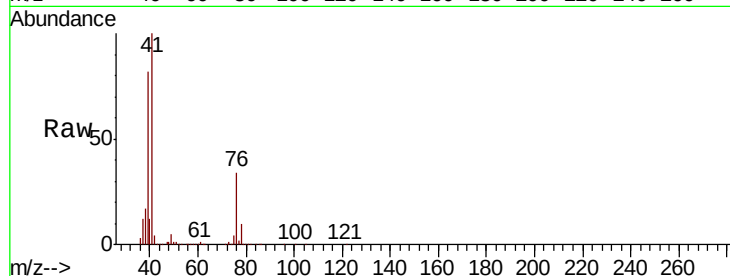




#21
 Allyl Chloride
 Concen: 10.574 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

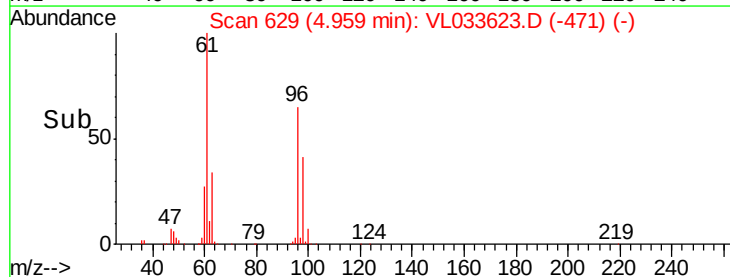
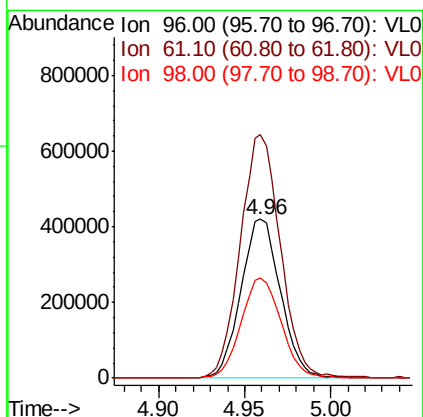
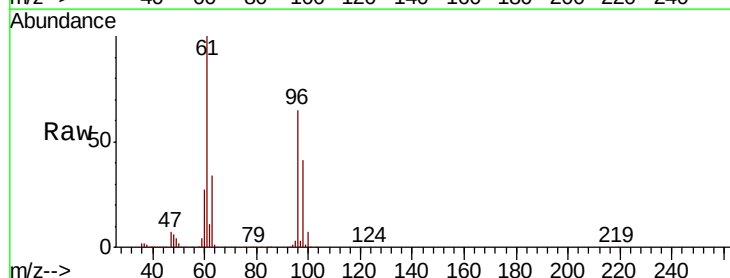
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

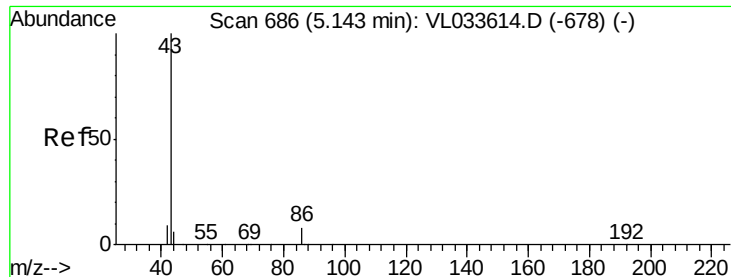
Tgt Ion	Ratio	Lower	Upper
41	100		
76	32.1	25.0	37.6
39	79.5	64.6	96.8



#22
 trans-1,2-Dichloroethene
 Concen: 11.124 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	124.9	187.3
98	63.4	50.5	75.7



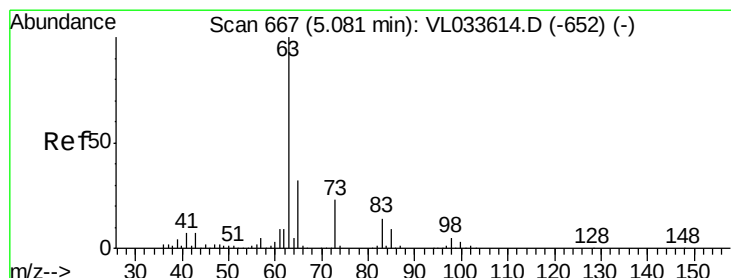
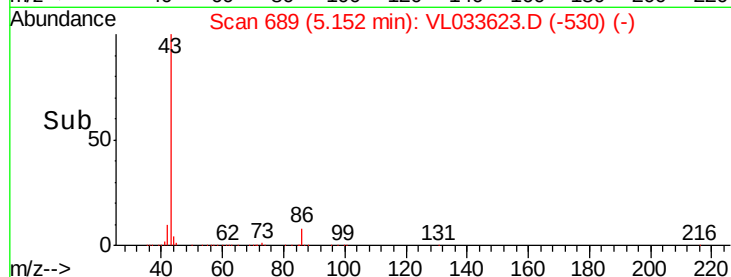
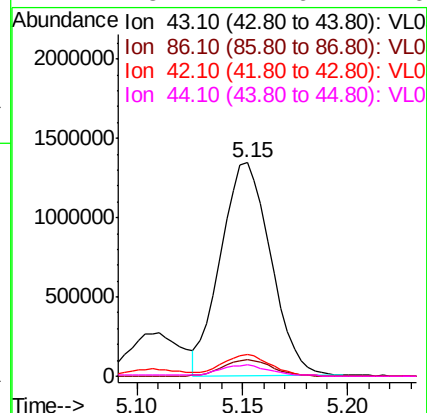
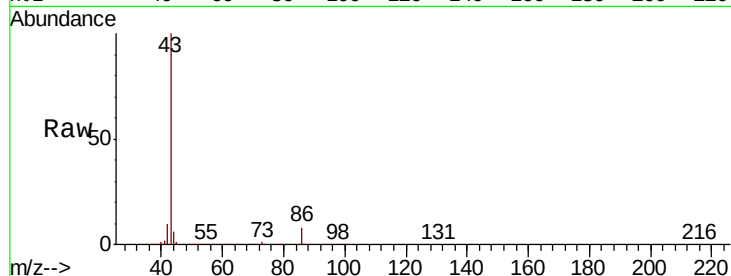


#23
 Vinyl Acetate
 Concen: 10.586 ppbv
 RT: 5.15 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 2208636

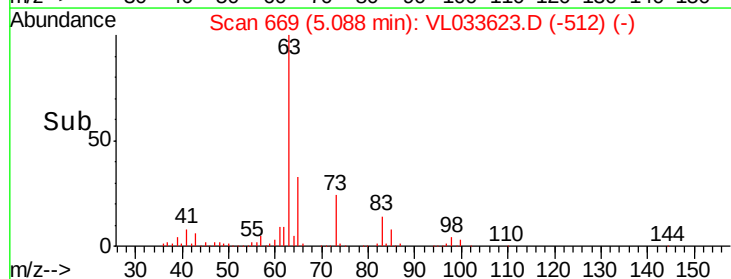
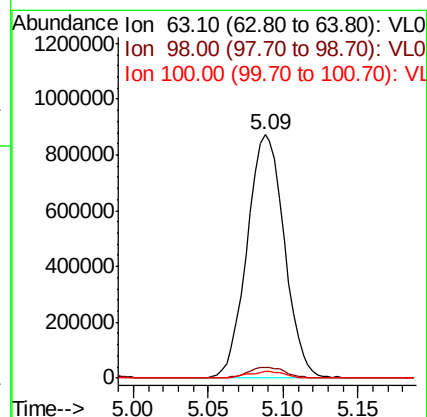
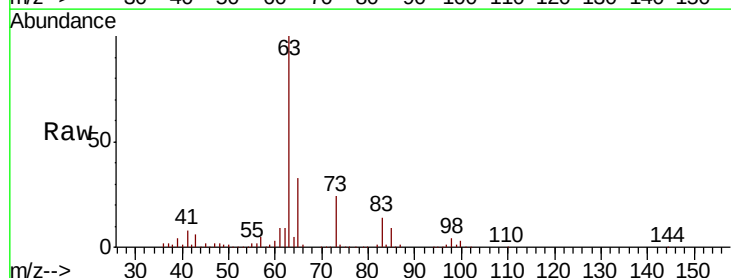
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.8	8.8
42	9.9	7.8	11.8
44	5.4	4.6	7.0

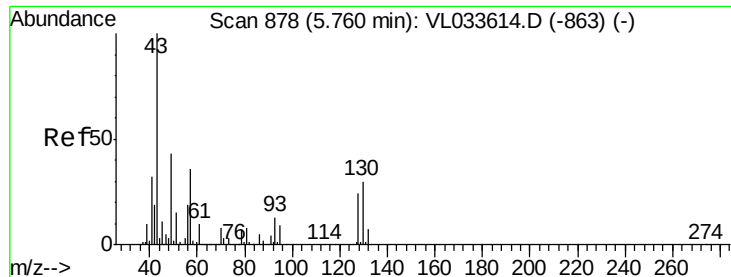


#24
 1,1-Dichloroethane
 Concen: 9.739 ppbv
 RT: 5.09 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion: 63 Resp: 1512682

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.2
100	3.0	1.4	4.0



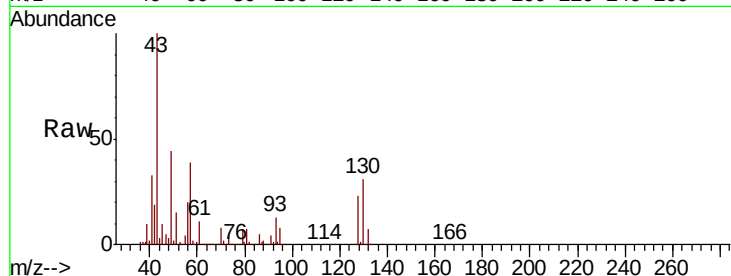


#25
Ethyl Acetate
Concen: 9.512 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2532842

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.9	7.5	11.3
70	7.4	5.8	8.6



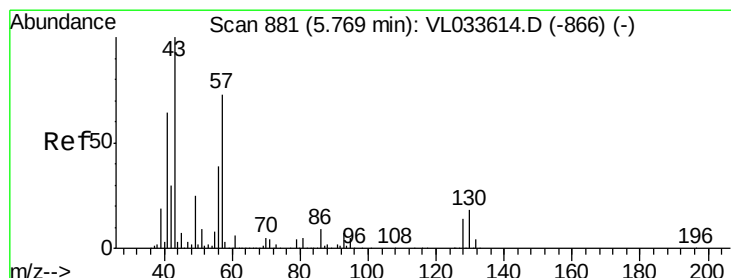
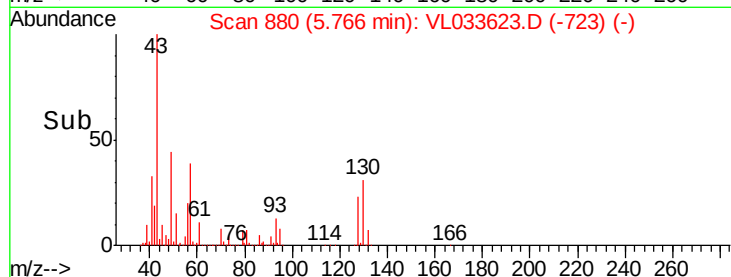
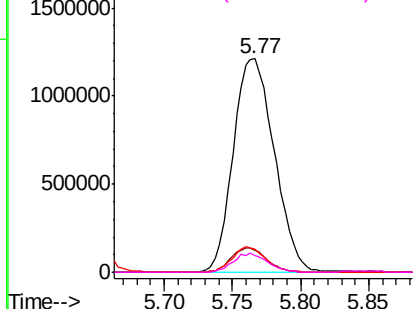
Abundance

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

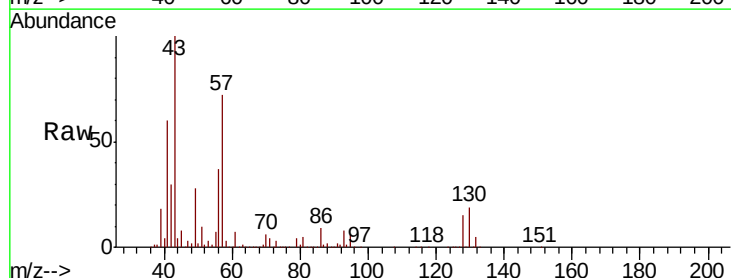
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.973 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion: 57 Resp: 1118231

Ion	Ratio	Lower	Upper
57	100		
41	85.3	70.6	106.0
43	227.7	186.0	279.0
56	51.9	42.7	64.1



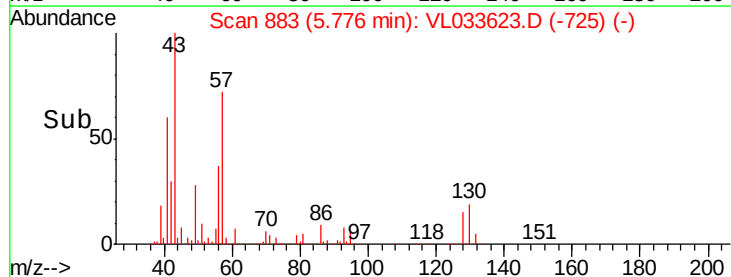
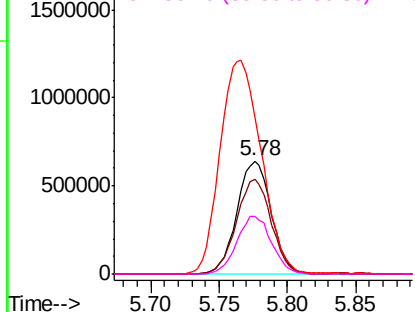
Abundance

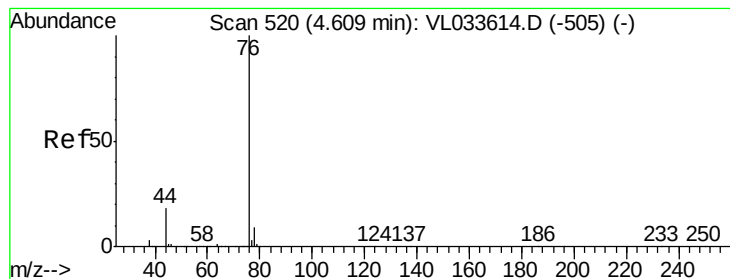
Ion 57.10 (56.80 to 57.80): VL0

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: 11.375 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

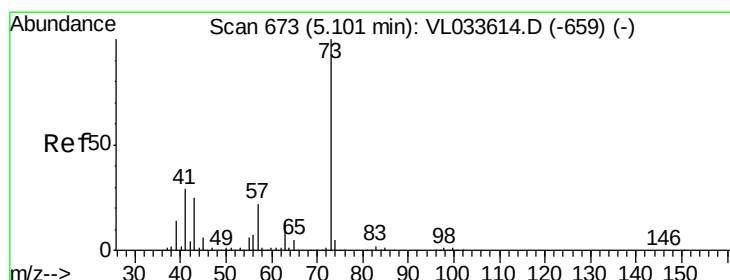
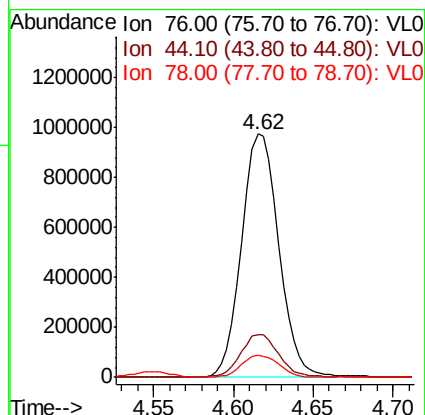
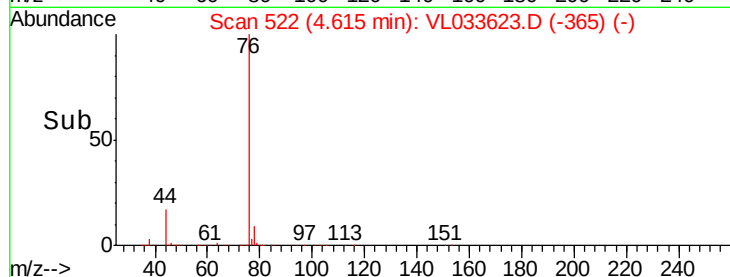
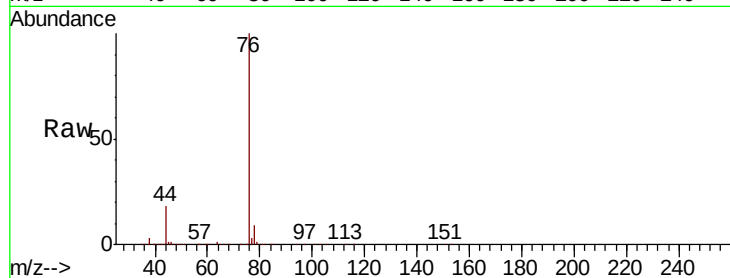
Tgt Ion: 76 Resp: 1544599

Ion Ratio Lower Upper

76 100

44 17.9 14.3 21.5

78 9.3 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 10.733 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.01 min

Lab File: VL033623.D

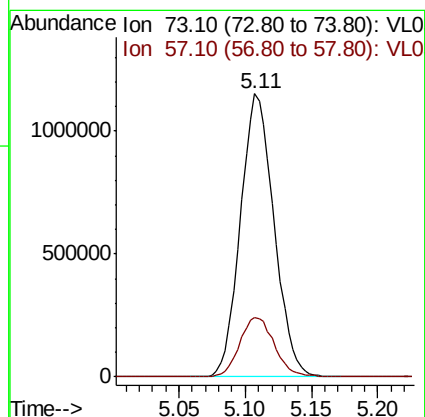
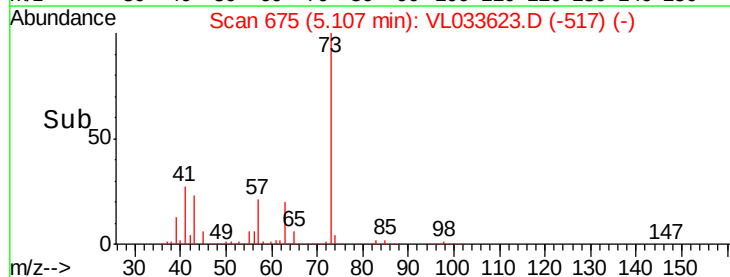
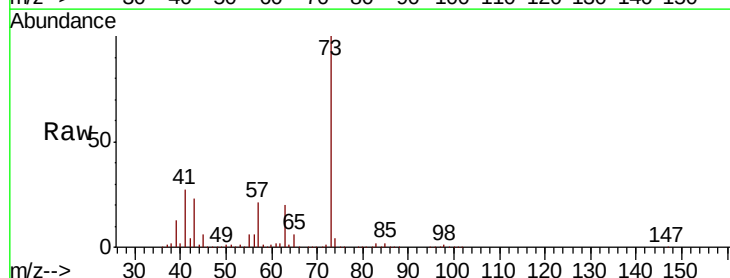
Acq: 2 May 2019 10:26

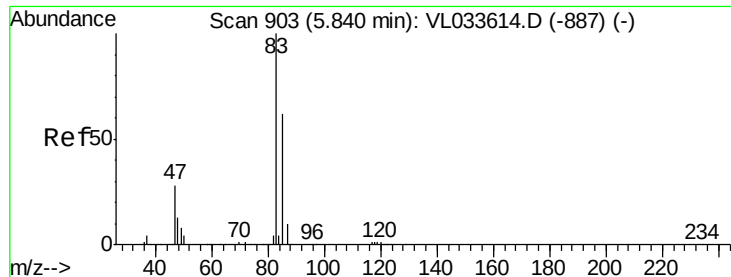
Tgt Ion: 73 Resp: 2029379

Ion Ratio Lower Upper

73 100

57 21.8 17.8 26.8

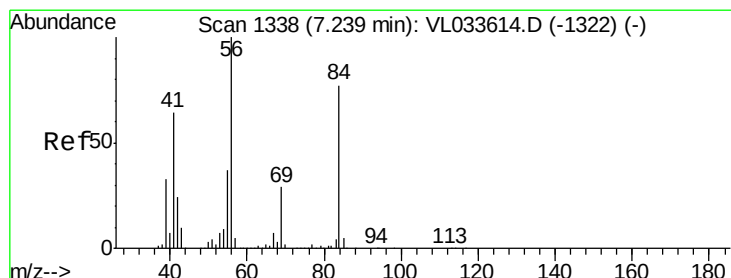
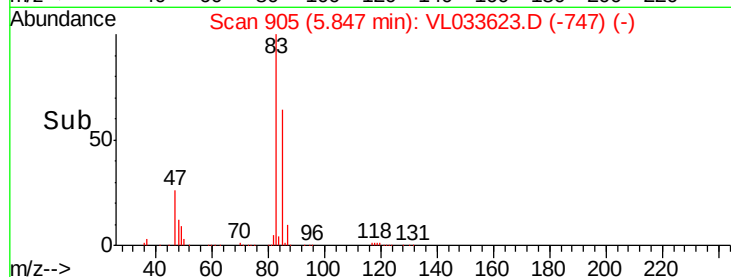
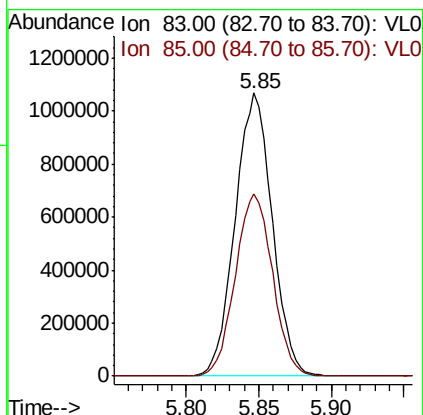
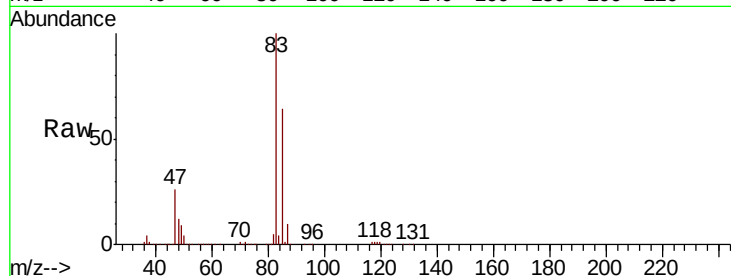




#29
Chloroform
Concen: 9.241 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

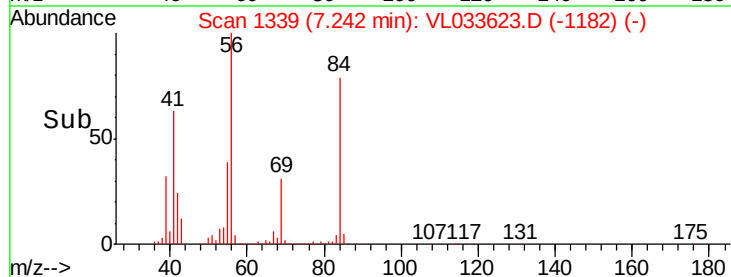
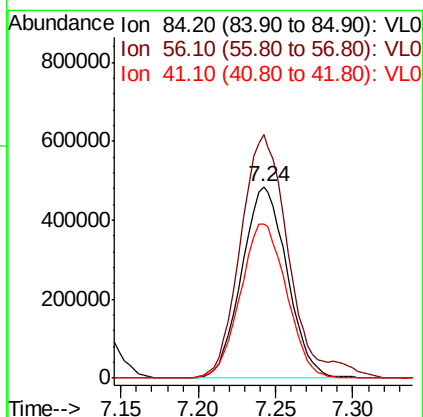
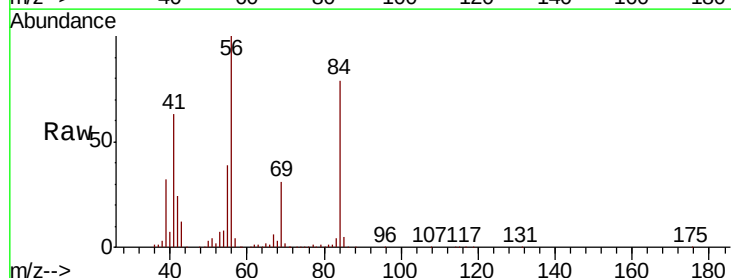
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

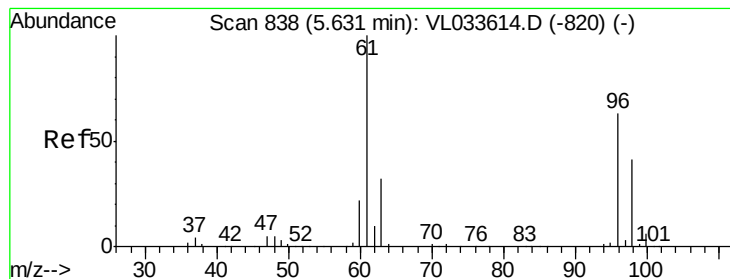
Tgt Ion: 83 Resp: 1898924
Ion Ratio Lower Upper
83 100
85 64.3 49.9 74.9



#30
Cyclohexane
Concen: 10.393 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion: 84 Resp: 986483
Ion Ratio Lower Upper
84 100
56 135.8 108.4 162.6
41 82.1 67.0 100.4





#31

cis-1,2-Dichloroethene

Concen: 10.301 ppbv

RT: 5.64 min Scan# 840

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

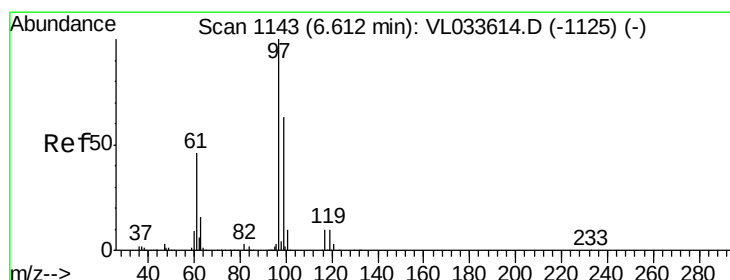
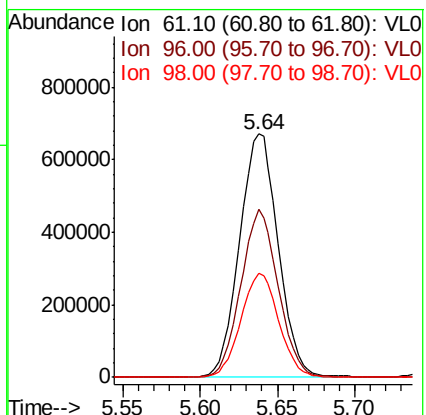
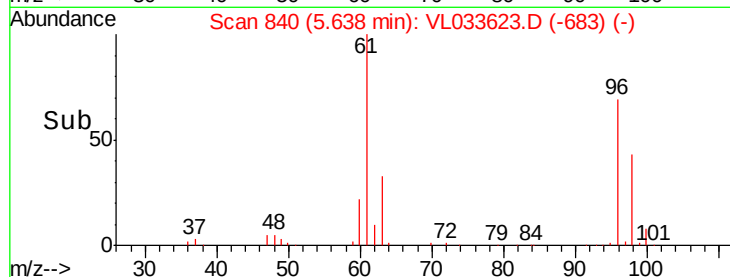
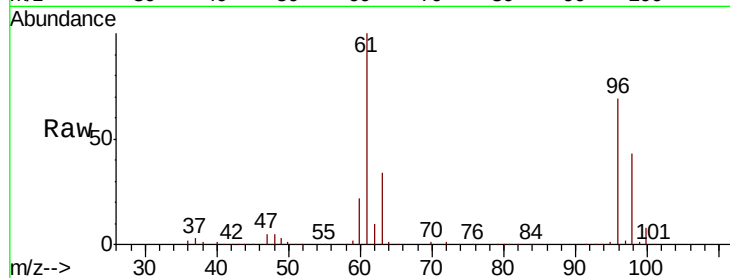
Tgt Ion: 61 Resp: 1165672

Ion Ratio Lower Upper

61 100

96 69.1 50.6 76.0

98 42.5 32.8 49.2



#32

1,1,1-Trichloroethane

Concen: 9.013 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

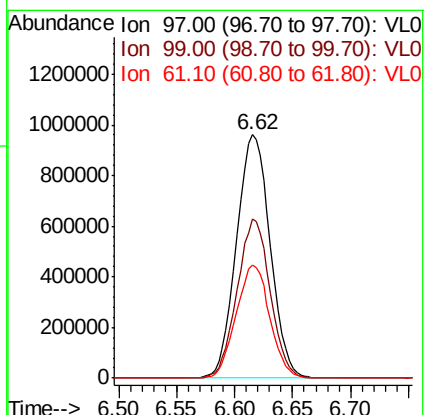
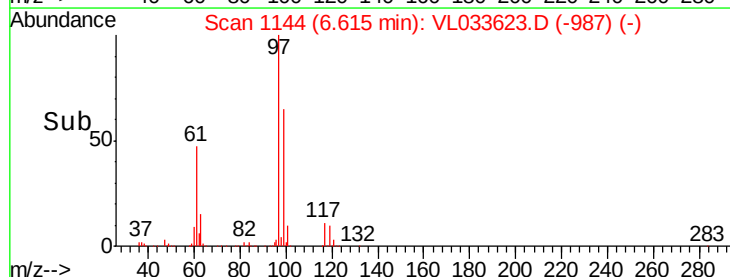
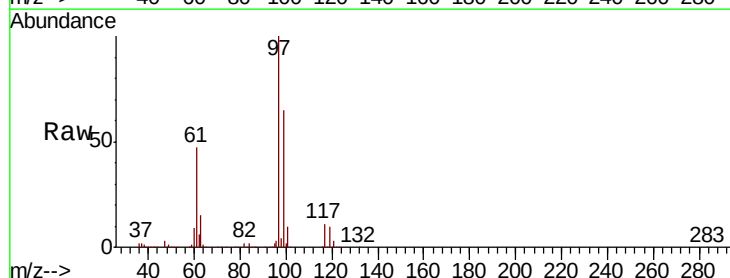
Tgt Ion: 97 Resp: 1938504

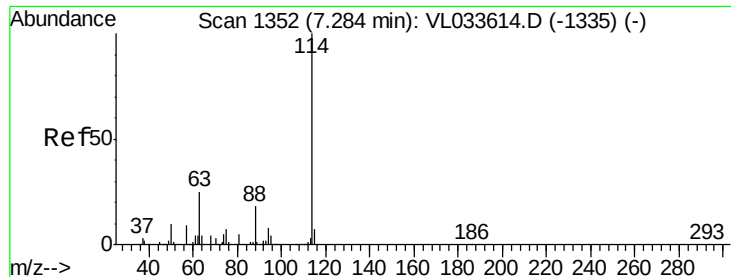
Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

61 46.7 38.2 57.2

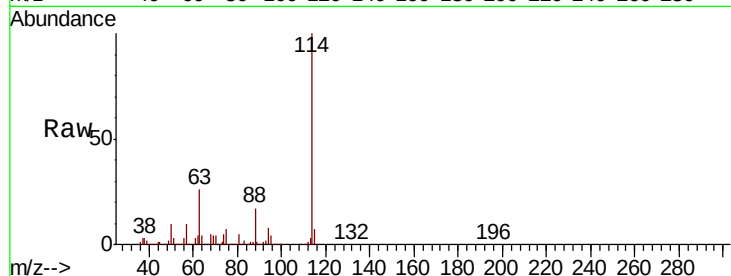




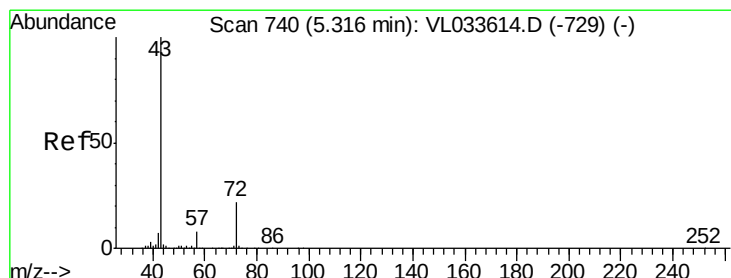
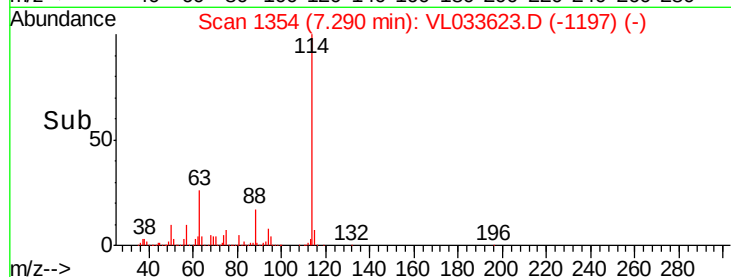
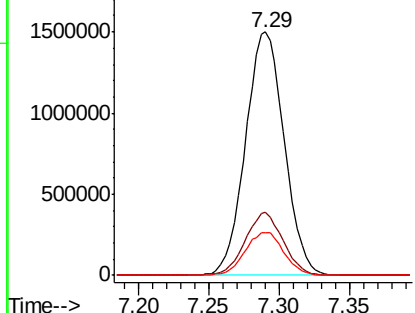
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 2880858
 Ion Ratio Lower Upper
 114 100
 63 25.7 21.1 31.7
 88 17.8 14.2 21.4

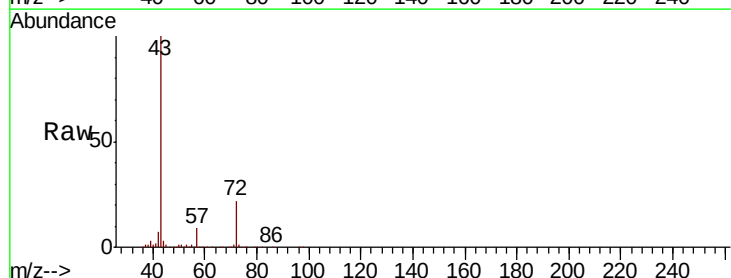


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

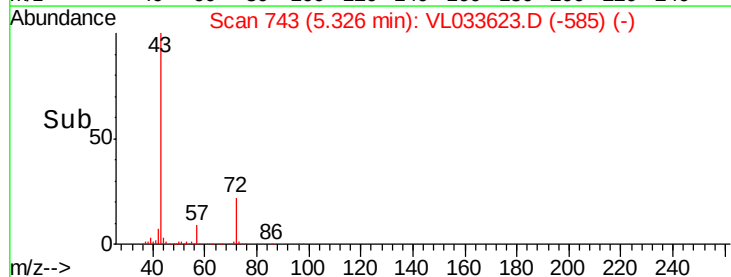
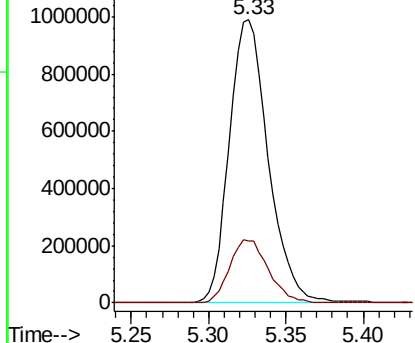


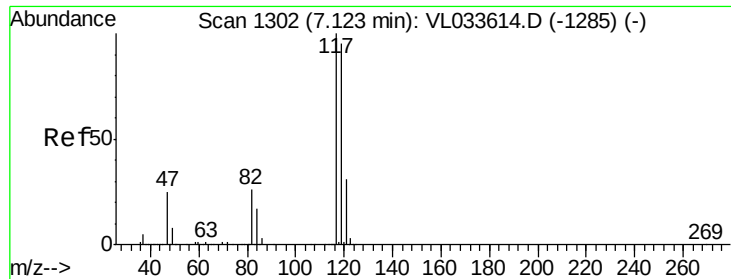
#34
 2-Butanone
 Concen: 9.721 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion: 43 Resp: 1719187
 Ion Ratio Lower Upper
 43 100
 72 22.5 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: 9.069 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

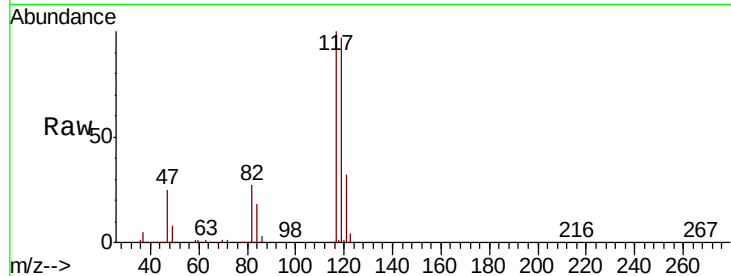
Tgt Ion:117 Resp: 2069758

Ion Ratio Lower Upper

117 100

119 96.7 76.2 114.4

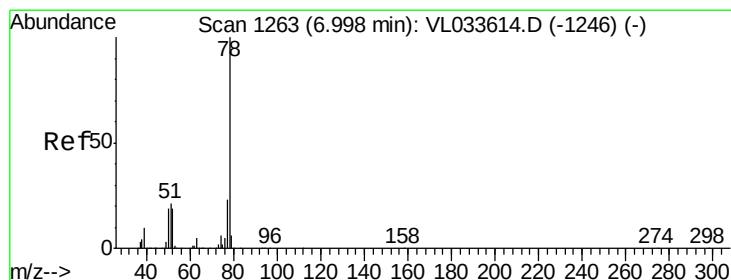
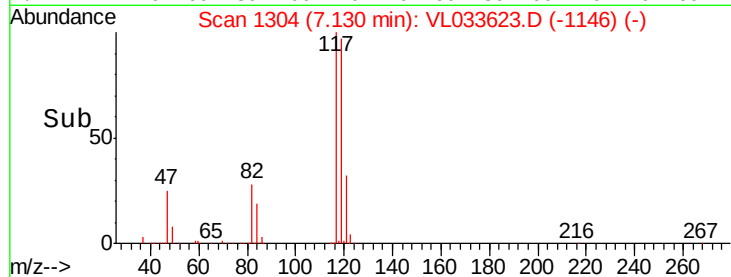
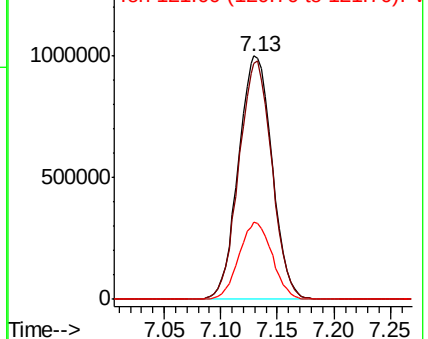
121 32.0 24.9 37.3



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: 10.106 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

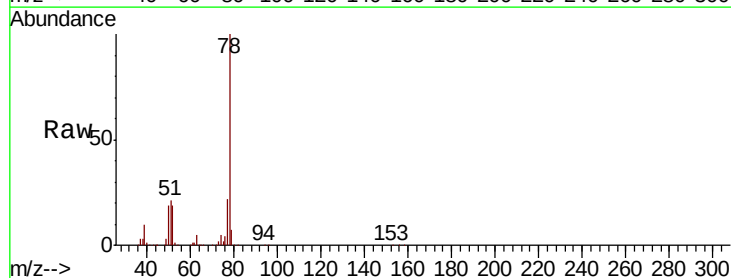
Tgt Ion: 78 Resp: 2480607

Ion Ratio Lower Upper

78 100

77 21.9 18.1 27.1

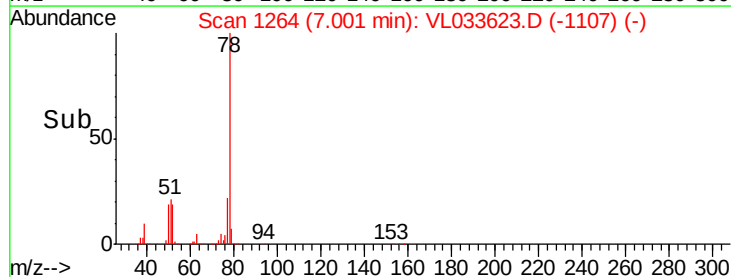
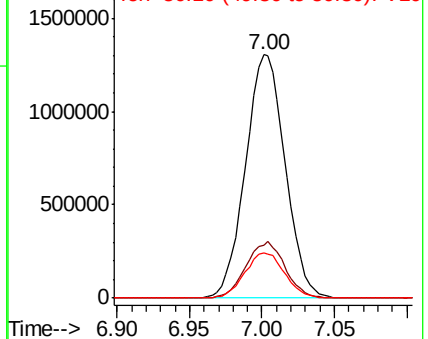
50 18.8 15.1 22.7

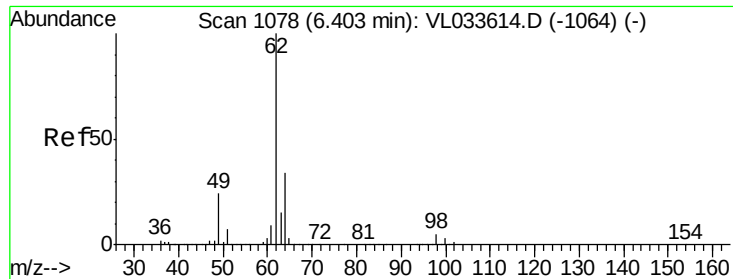


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

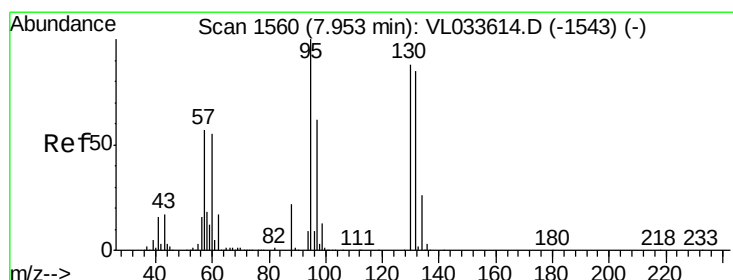
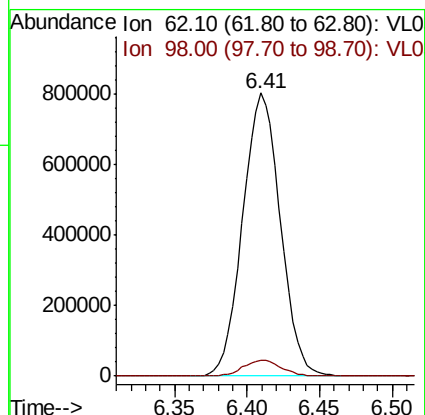
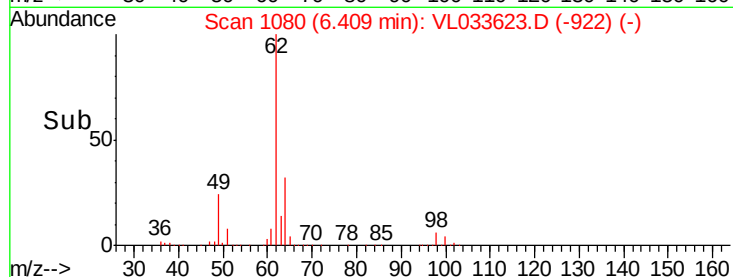
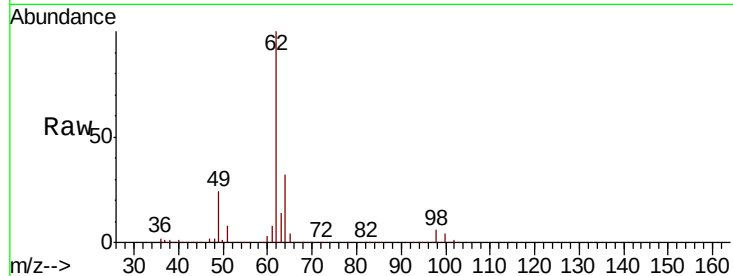




#37
 1,2-Dichloroethane
 Concen: 8.877 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

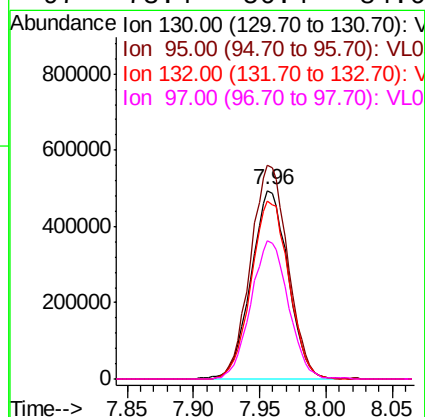
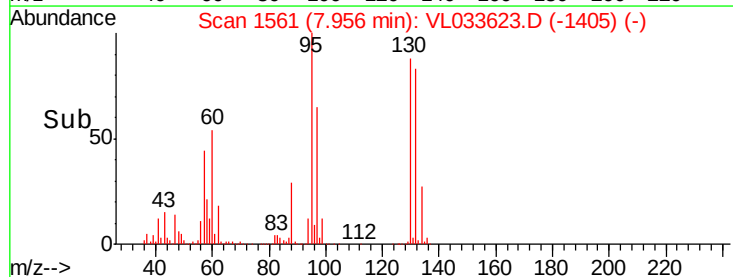
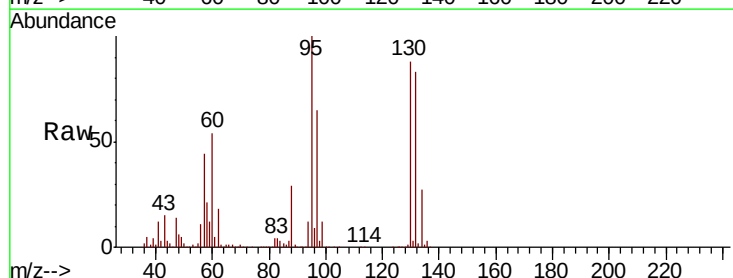
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

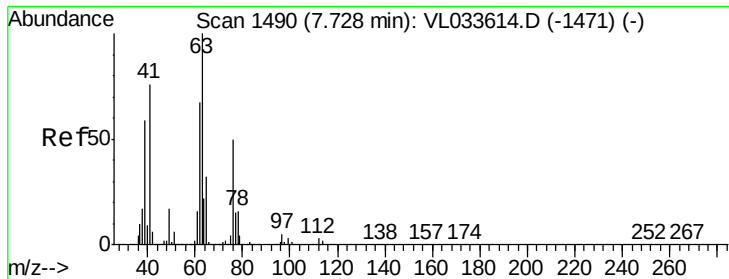
Tgt Ion: 62 Resp: 1447828
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.4 6.6



#38
 Trichloroethene
 Concen: 9.763 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion: 130 Resp: 955733
 Ion Ratio Lower Upper
 130 100
 95 113.7 91.2 136.8
 132 94.8 77.8 116.8
 97 73.4 56.4 84.6

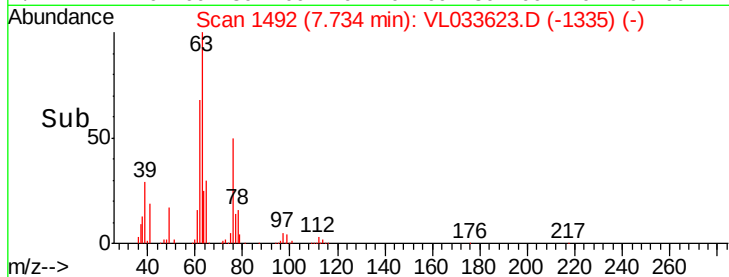
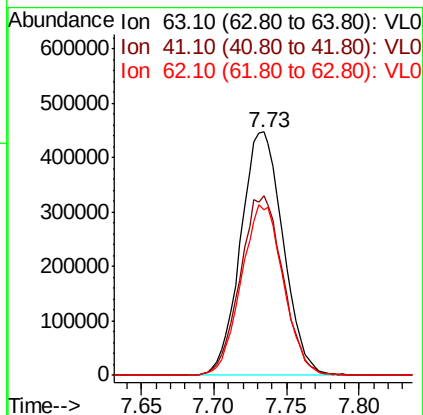
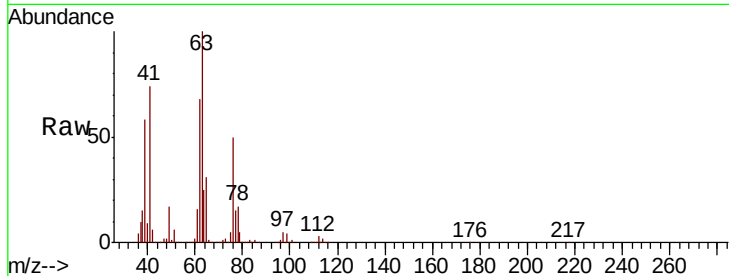




#39
 1,2-Dichloropropane
 Concen: 9.840 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

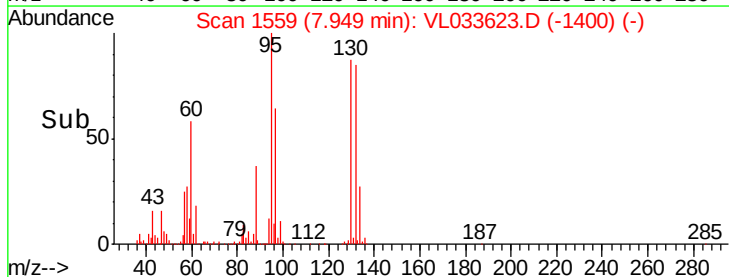
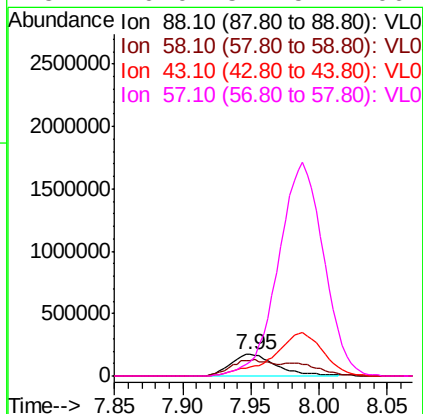
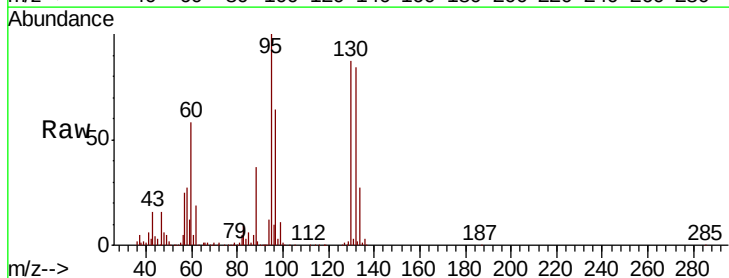
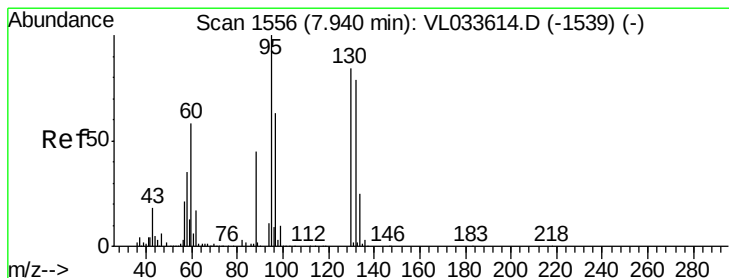
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

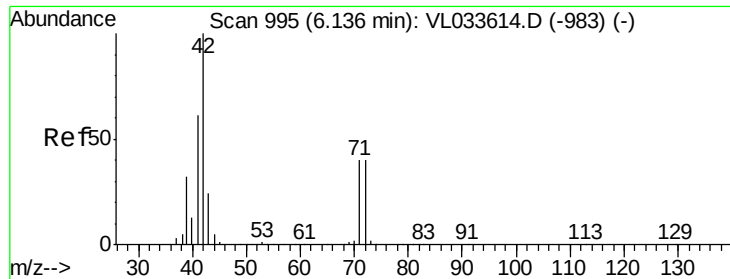
Tgt Ion	Ratio	Lower	Upper
63	100		
41	73.5	60.9	91.3
62	68.0	53.3	79.9



#40
 1,4-Dioxane
 Concen: 10.699 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	118.9	98.4	147.6
43	0.0	190.7	286.1#
57	0.0	844.5	1266.7#

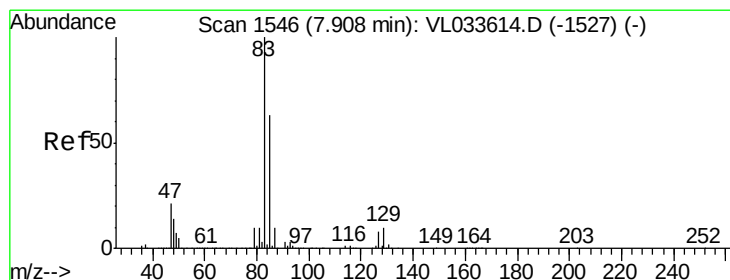
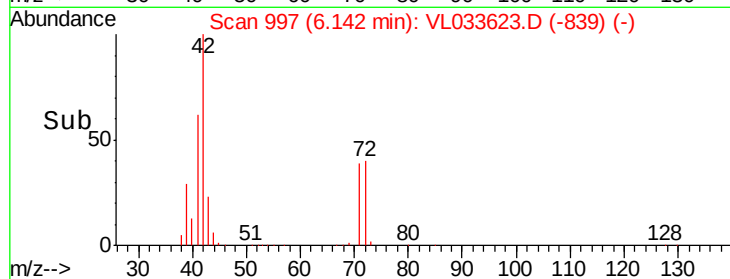
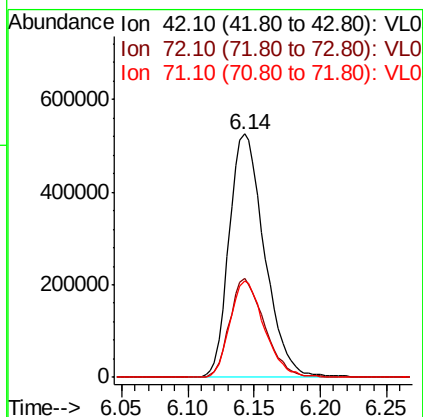
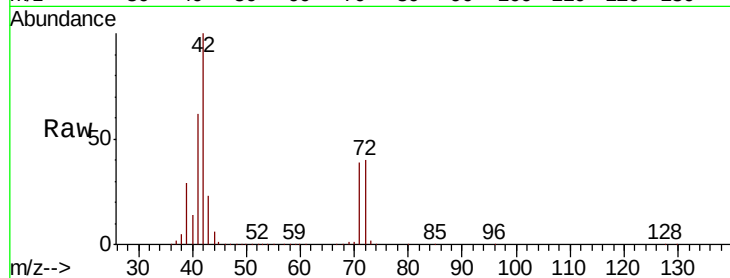




#41
Tetrahydrofuran
Concen: 10.320 ppbv
RT: 6.14 min Scan# 997
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

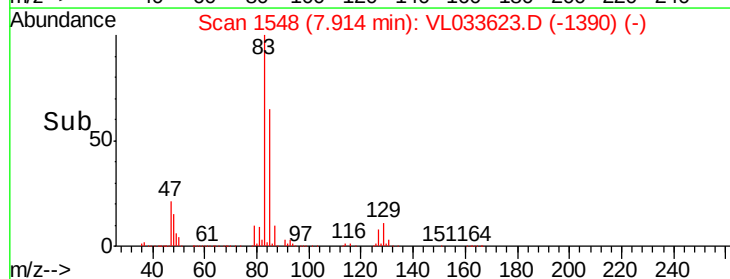
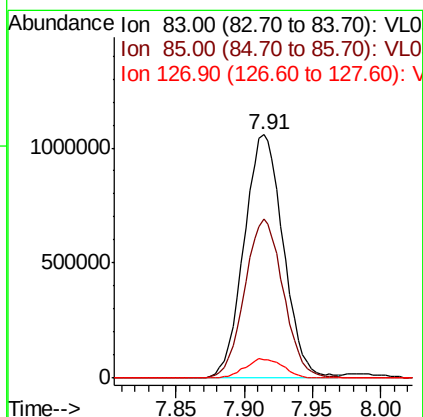
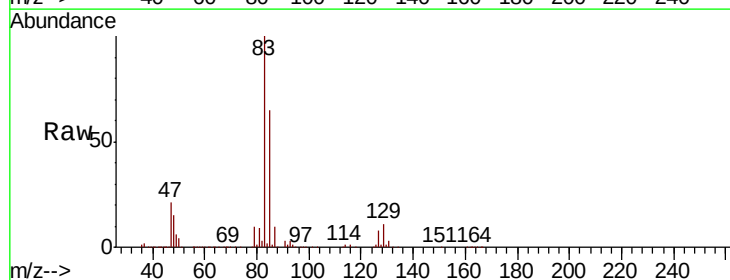
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

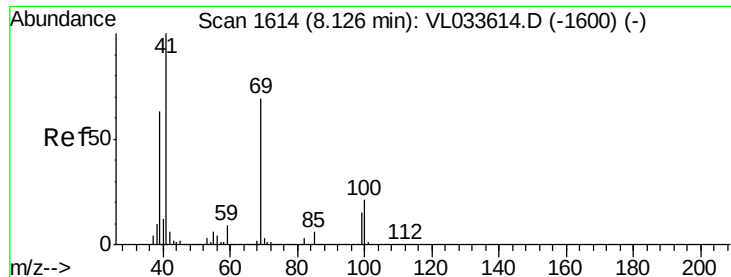
Tgt Ion: 42 Resp: 974729
Ion Ratio Lower Upper
42 100
72 40.1 31.8 47.6
71 38.6 31.0 46.4



#42
Bromodichloromethane
Concen: 9.551 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion: 83 Resp: 2108138
Ion Ratio Lower Upper
83 100
85 65.4 50.2 75.4
127 7.5 6.5 9.7

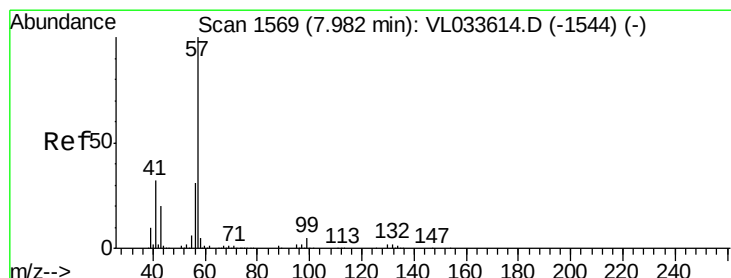
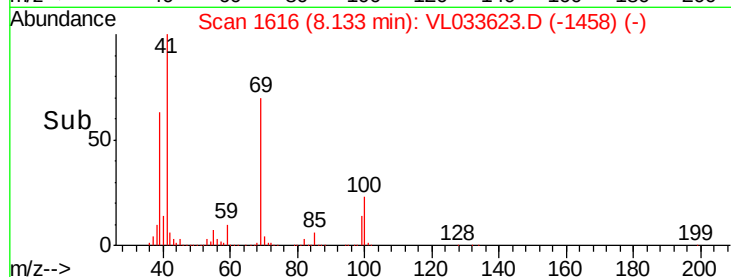
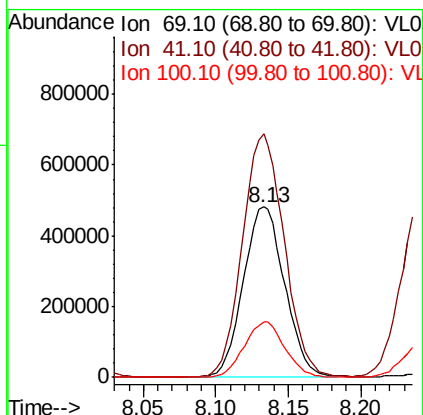
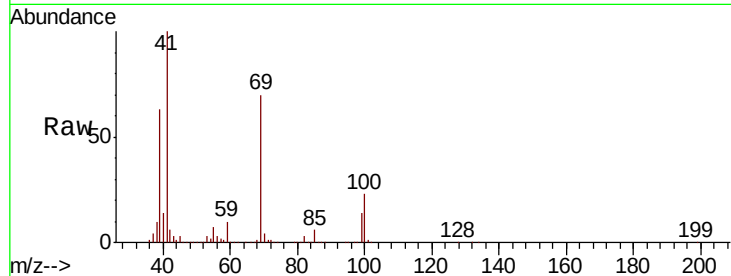




#43
Methyl Methacrylate
Concen: 10.303 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

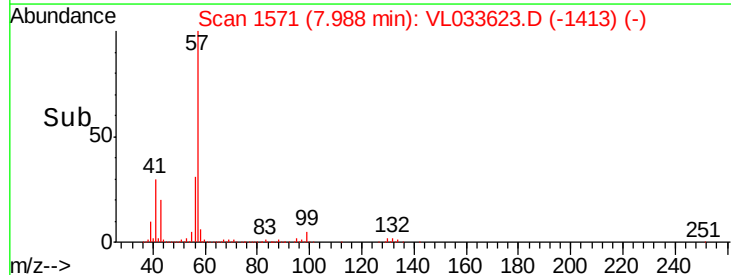
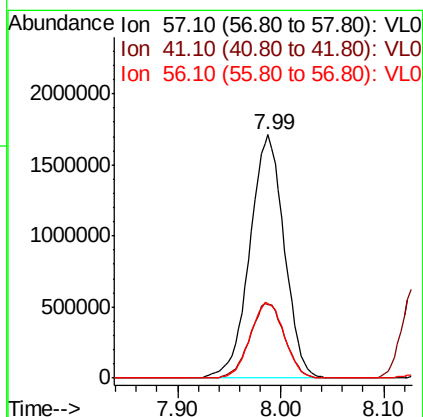
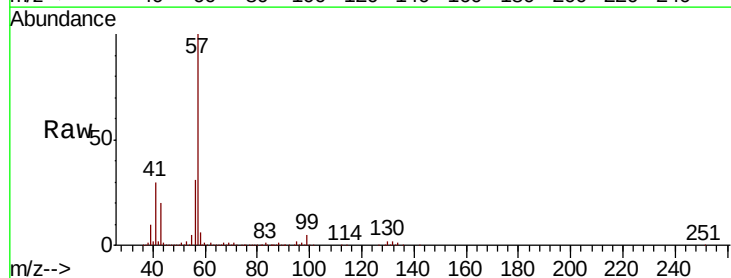
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

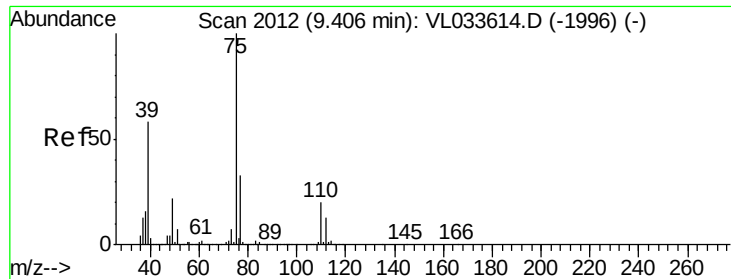
Tgt Ion: 69 Resp: 957644
Ion Ratio Lower Upper
69 100
41 144.0 115.0 172.4
100 32.0 24.7 37.1



#44
2,2,4-Trimethylpentane
Concen: 9.261 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion: 57 Resp: 3961816
Ion Ratio Lower Upper
57 100
41 30.9 25.4 38.2
56 30.9 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 10.832 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

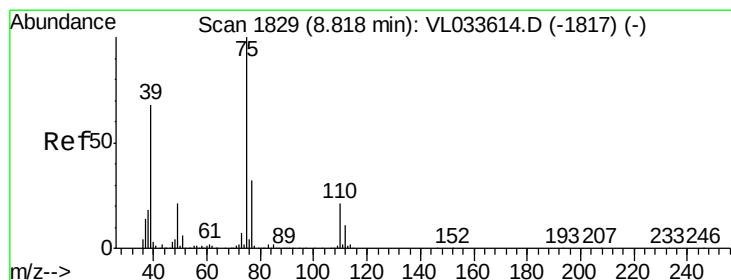
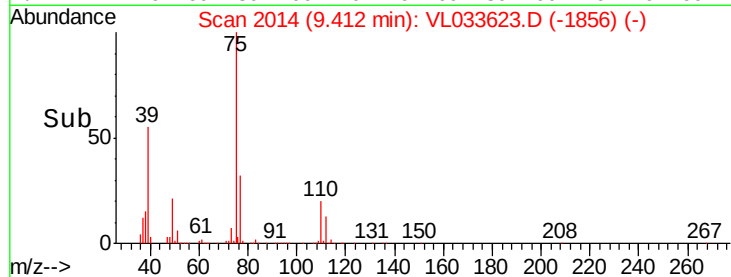
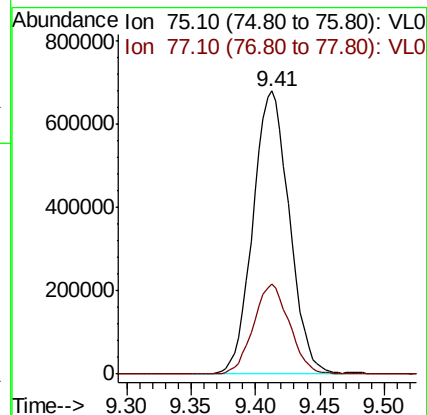
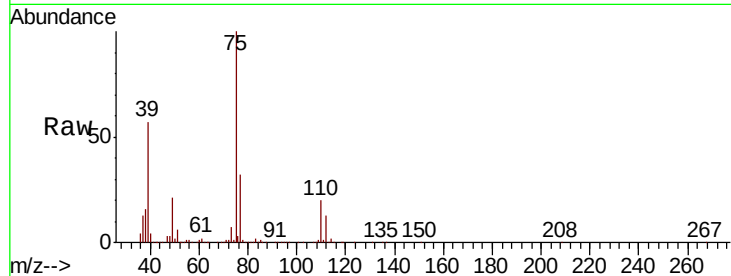
VSTDCCC010

Tgt Ion: 75 Resp: 1337275

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 10.787 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

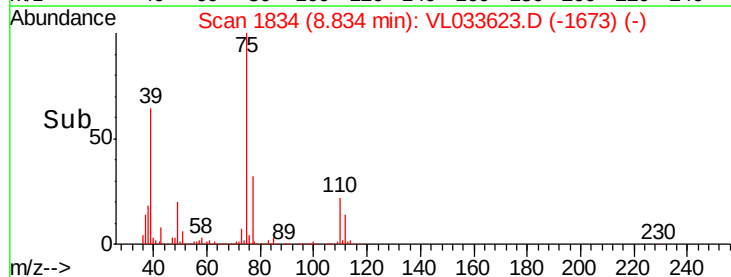
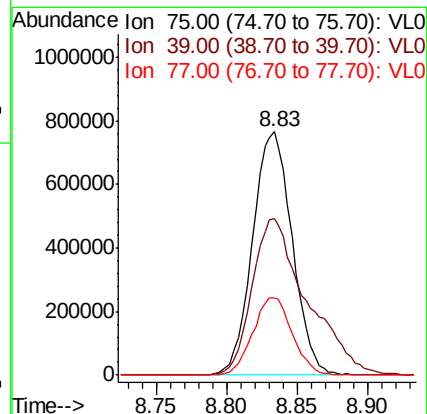
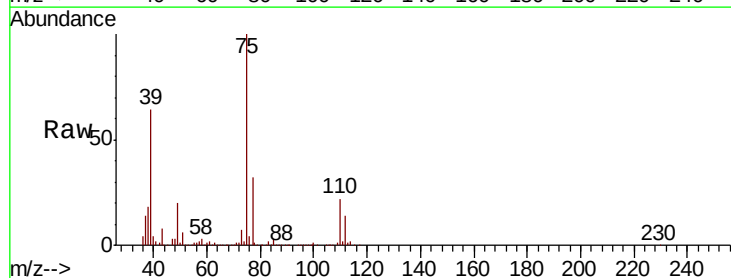
Tgt Ion: 75 Resp: 1502131

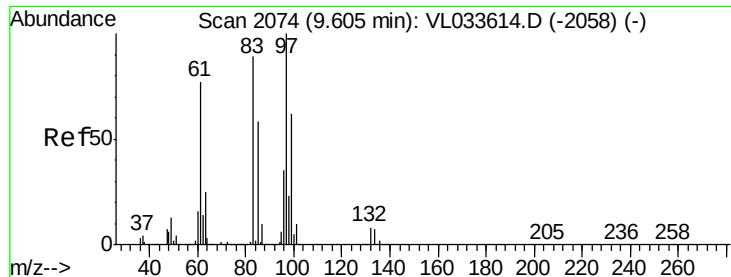
Ion Ratio Lower Upper

75 100

39 64.3 54.6 82.0

77 31.6 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 8.302 ppbv

RT: 9.62 min Scan# 2077

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1002272

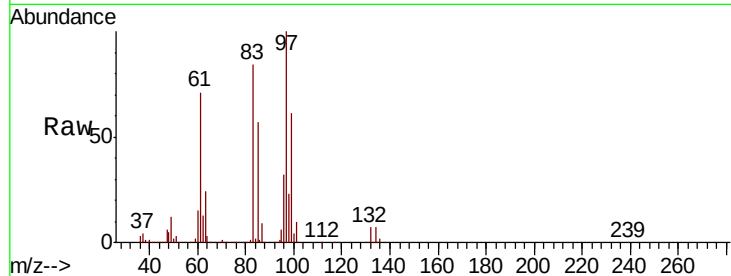
Ion Ratio Lower Upper

97 100

83 84.3 71.4 107.0

85 57.4 46.0 69.0

99 60.6 49.6 74.4

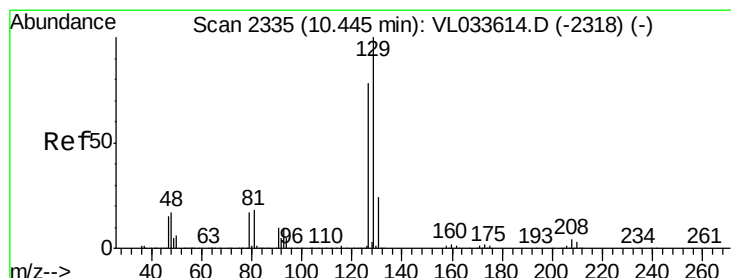
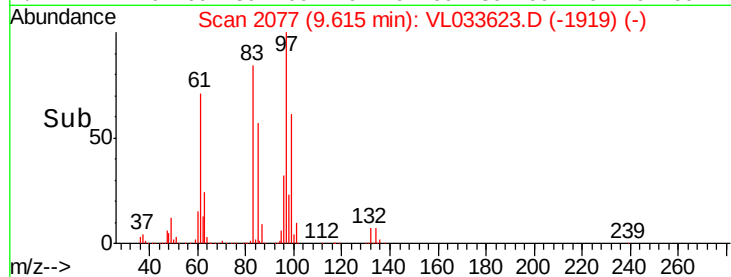
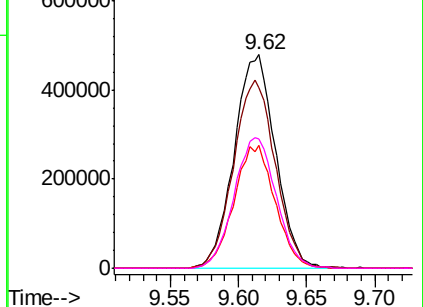


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 8.869 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. 0.00 min

Lab File: VL033623.D

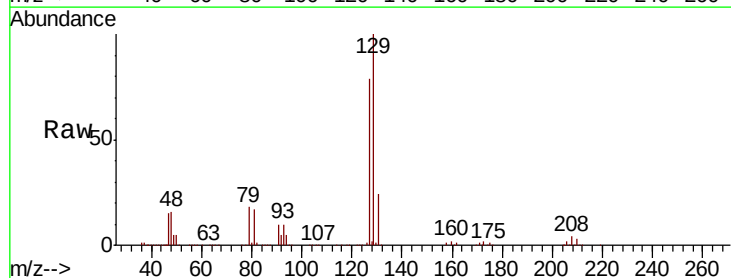
Acq: 2 May 2019 10:26

Tgt Ion: 129 Resp: 1810791

Ion Ratio Lower Upper

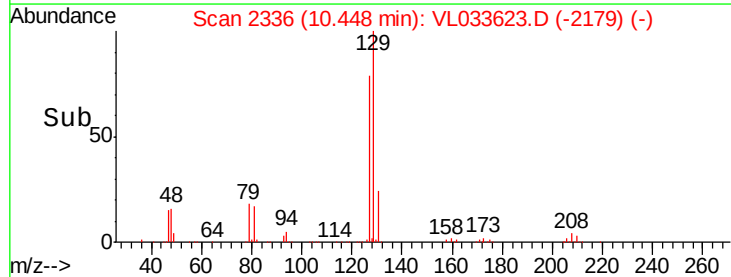
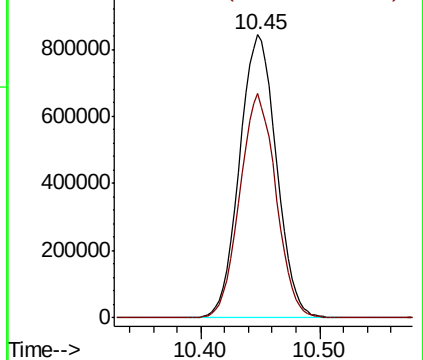
129 100

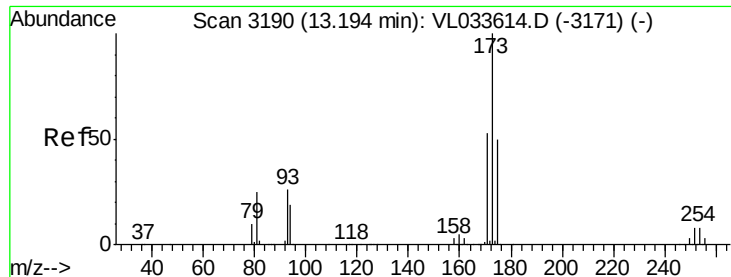
127 77.7 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.241 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

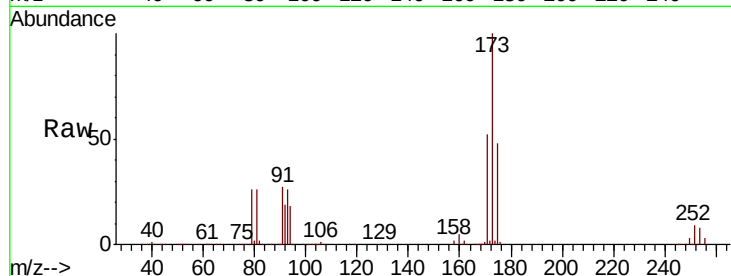
Tgt Ion:173 Resp: 1601865

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

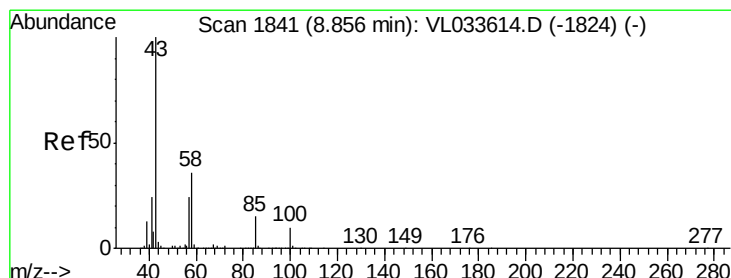
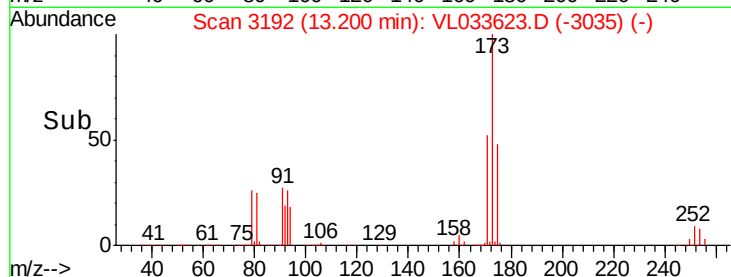
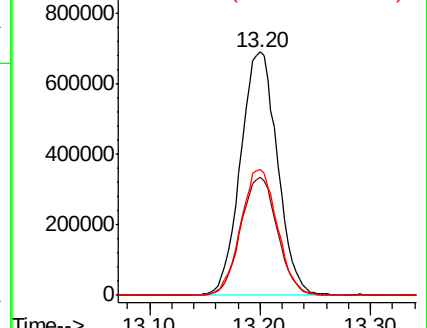
171 51.5 41.6 62.4



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: 9.182 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VL033623.D

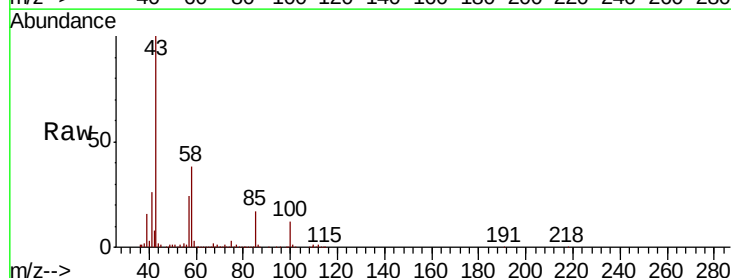
Acq: 2 May 2019 10:26

Tgt Ion: 43 Resp: 2544612

Ion Ratio Lower Upper

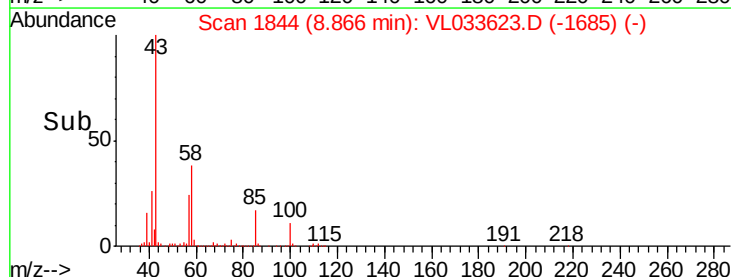
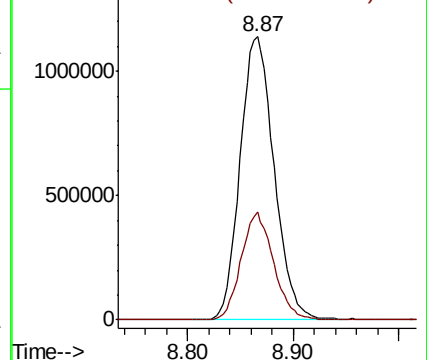
43 100

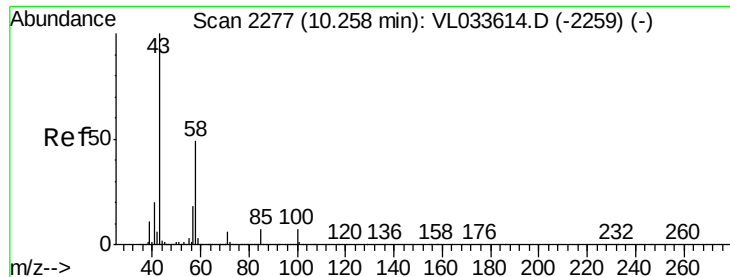
58 36.4 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

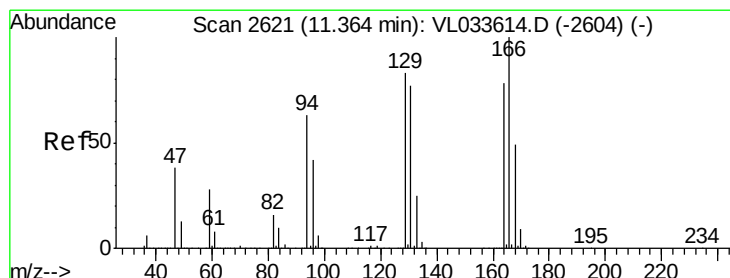
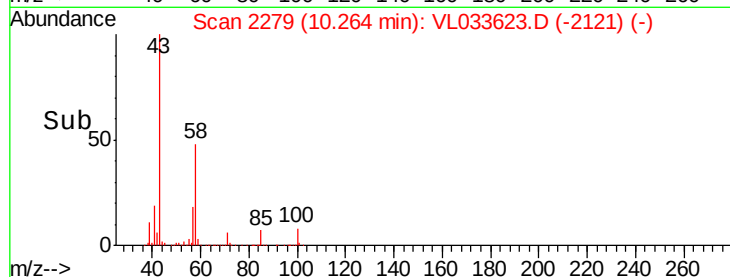
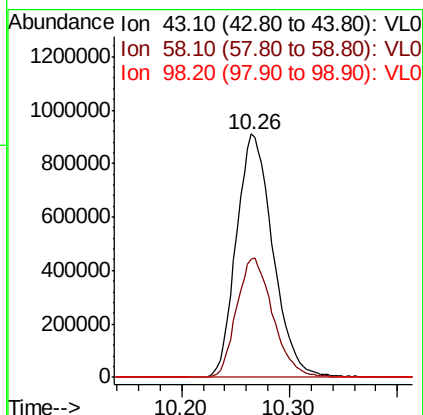
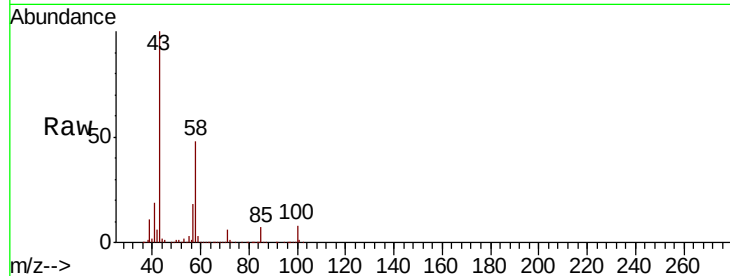




#51
2-Hexanone
Concen: 8.790 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

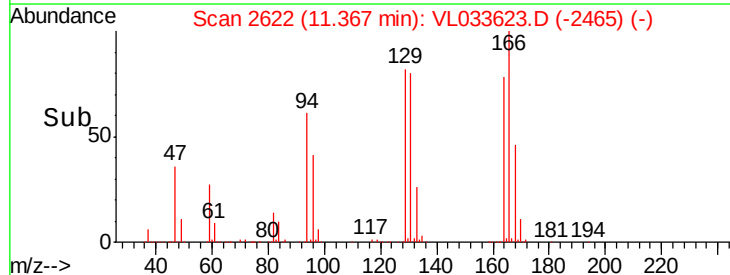
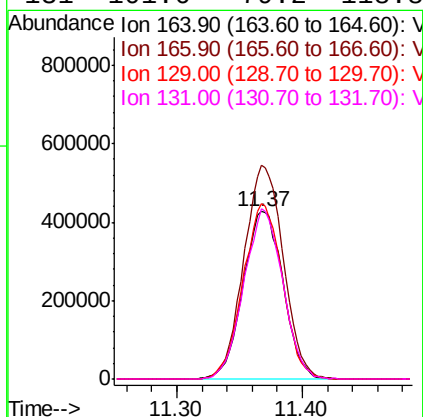
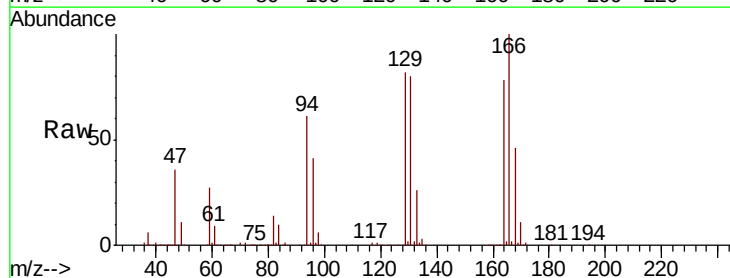
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

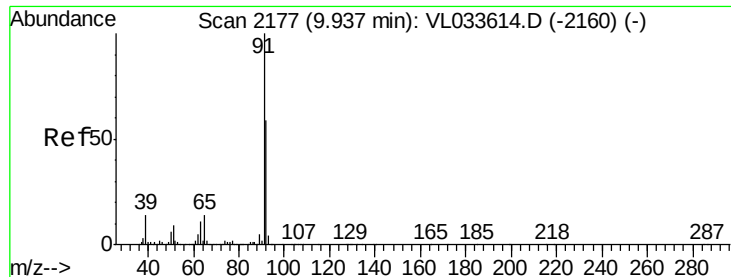
Tgt Ion: 43 Resp: 2138805
Ion Ratio Lower Upper
43 100
58 48.8 38.5 57.7
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.999 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. 0.00 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion: 164 Resp: 943652
Ion Ratio Lower Upper
164 100
166 127.5 102.2 153.4
129 104.8 84.4 126.6
131 101.6 79.2 118.8





#53

Toluene

Concen: 9.180 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

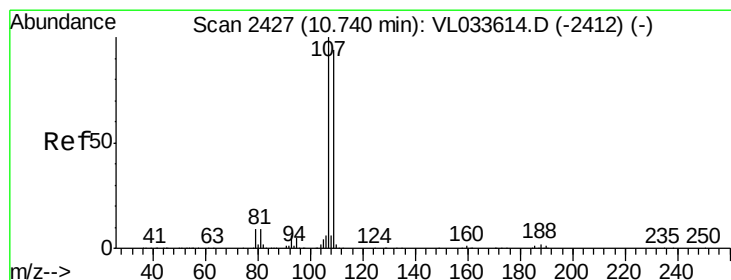
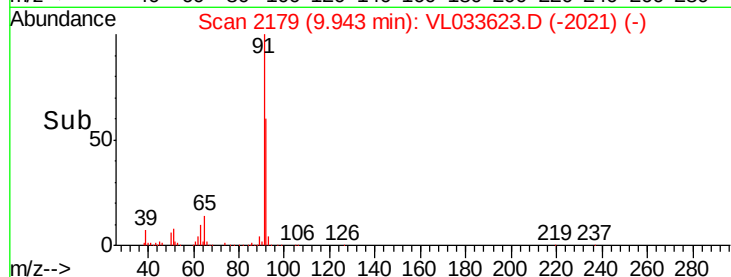
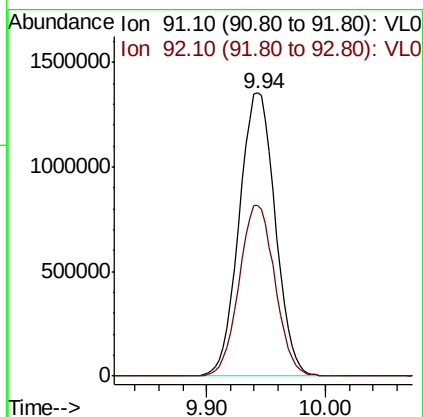
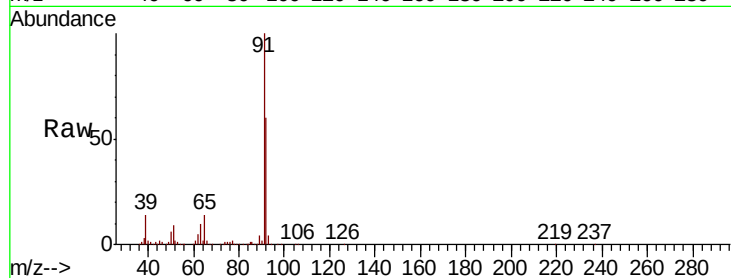
VSTDCCC010

Tgt Ion: 91 Resp: 2843732

Ion Ratio Lower Upper

91 100

92 60.0 47.8 71.6



#54

1,2-Dibromoethane

Concen: 9.639 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL033623.D

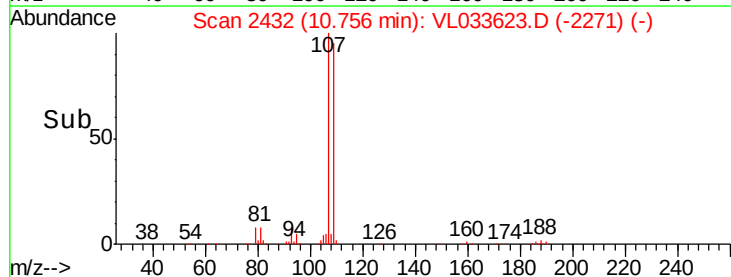
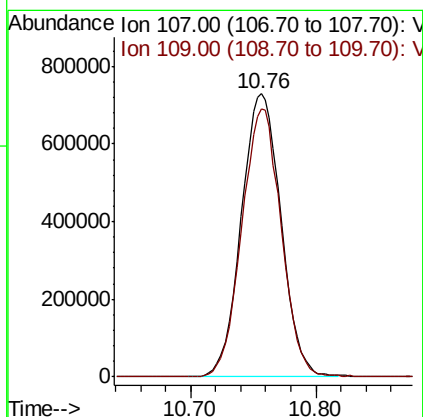
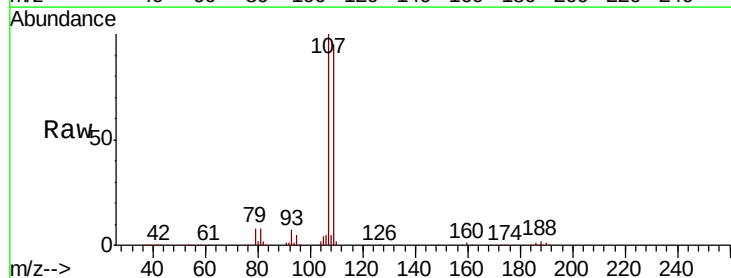
Acq: 2 May 2019 10:26

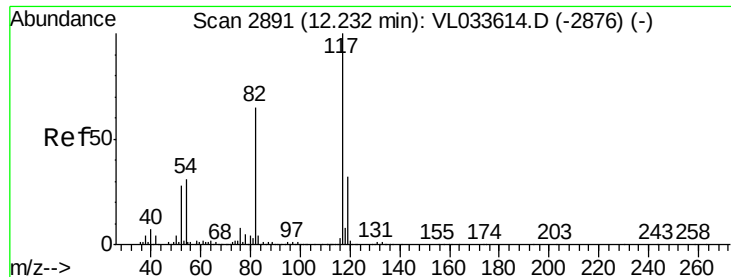
Tgt Ion: 107 Resp: 1600484

Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7

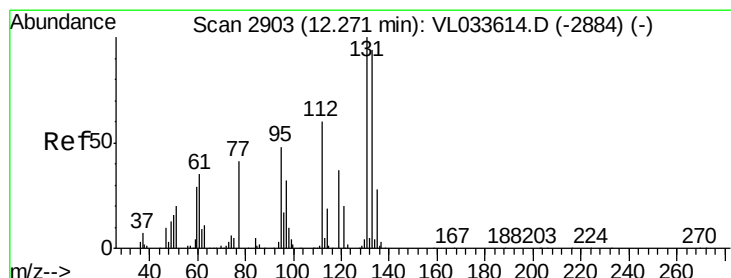
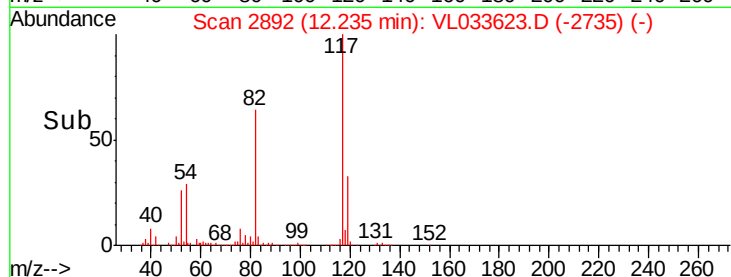
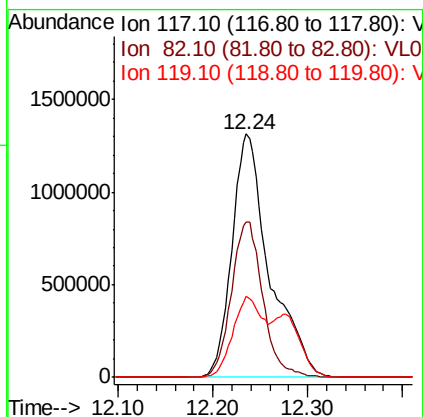
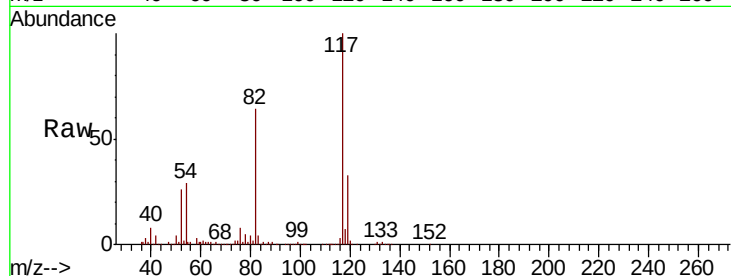




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

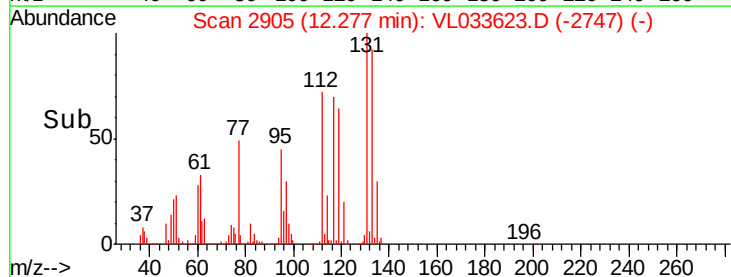
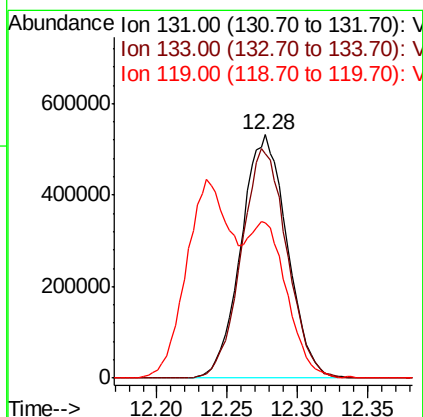
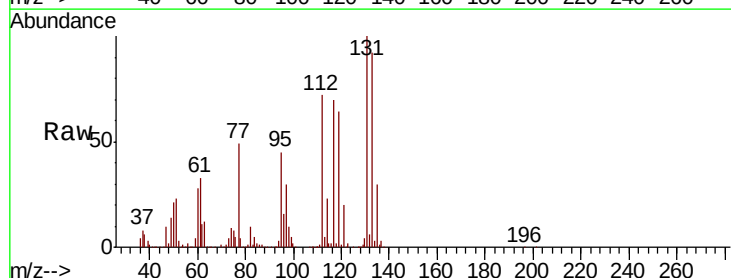
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

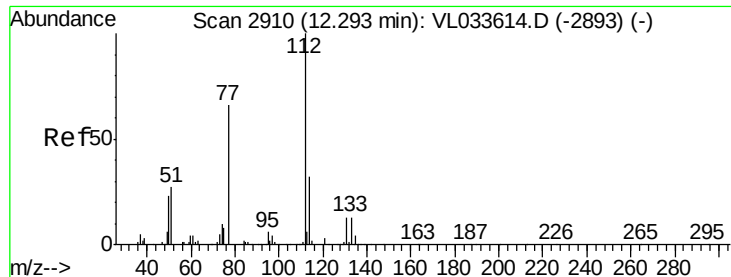
Tgt Ion:117 Resp: 3620074
Ion Ratio Lower Upper
117 100
82 53.5 52.6 78.8
119 46.2 28.3 42.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.774 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion:131 Resp: 1212275
Ion Ratio Lower Upper
131 100
133 93.8 76.4 114.6
119 137.9 40.9 61.3#

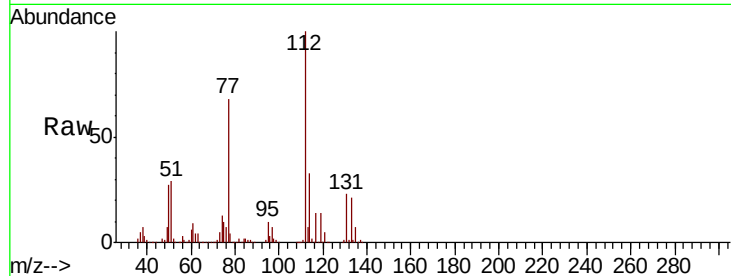




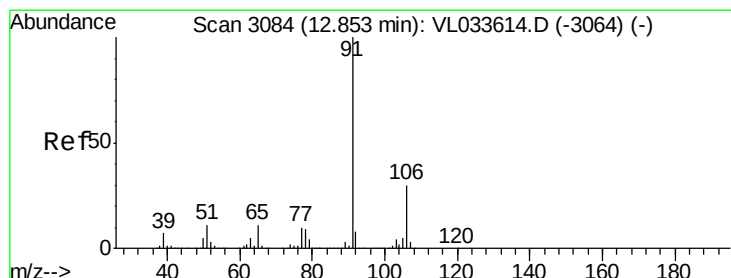
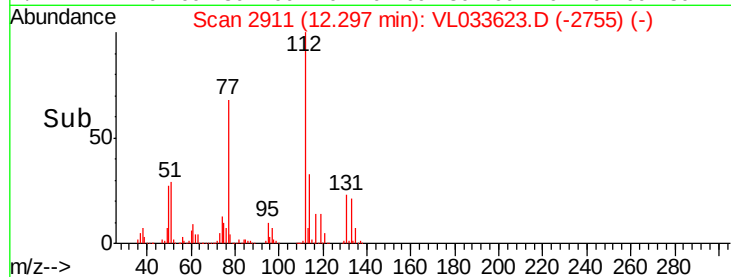
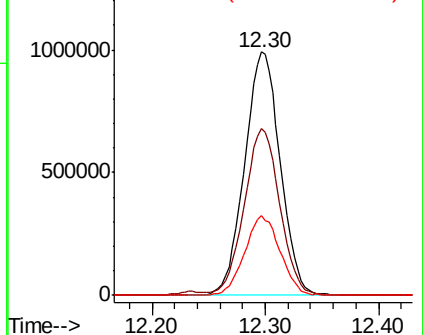
#57
Chlorobenzene
Concen: 7.809 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 2169562
Ion Ratio Lower Upper
112 100
77 68.3 53.6 80.4
114 32.8 29.1 35.5

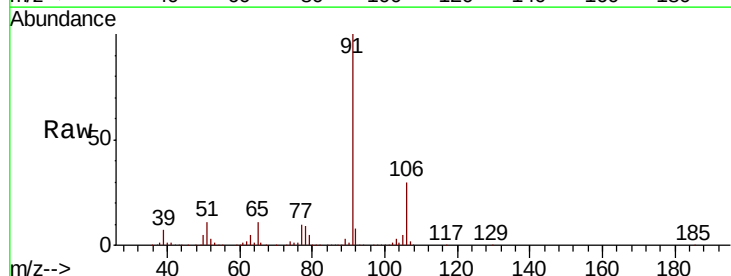


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

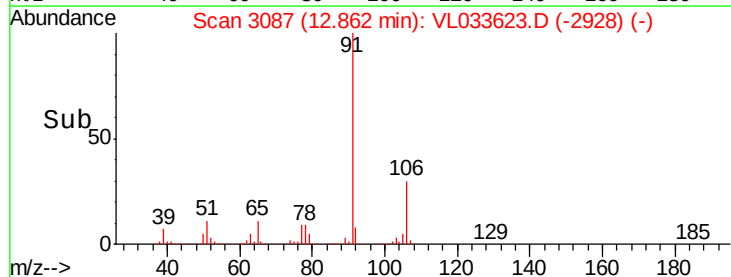
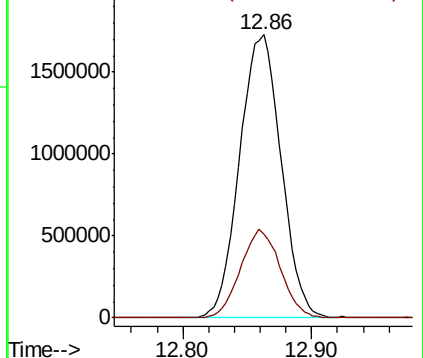


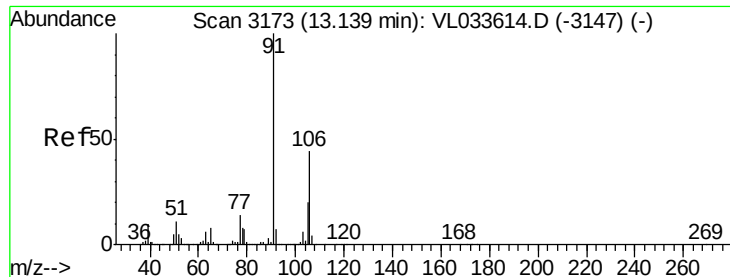
#58
Ethyl Benzene
Concen: 9.302 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion: 91 Resp: 3877429
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

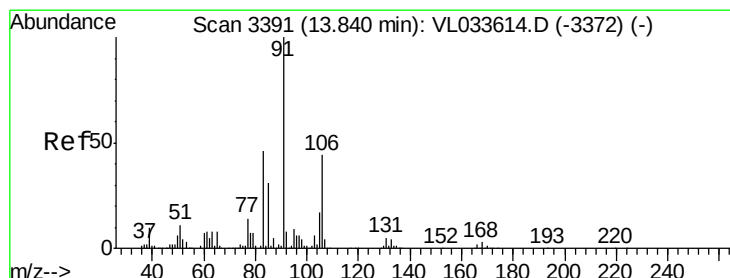
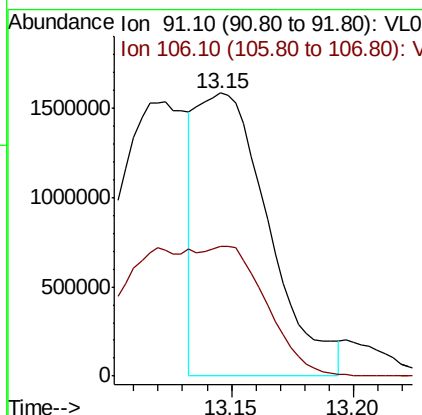
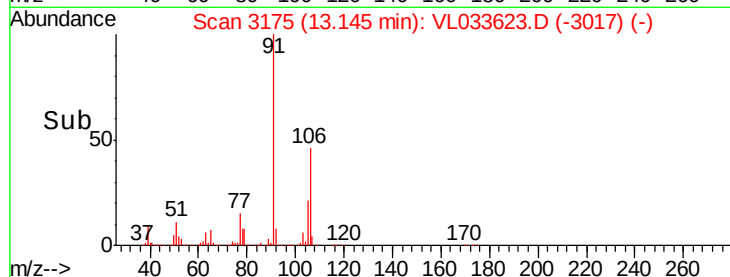
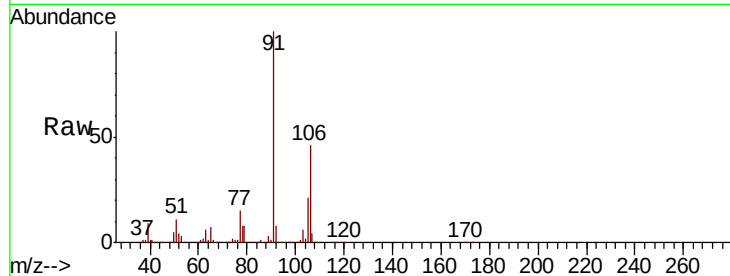




#59
m/p-Xylene
Concen: 9.025 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

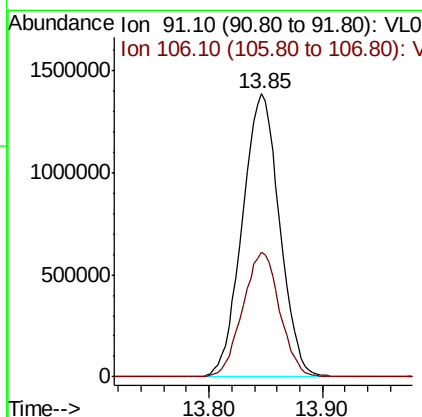
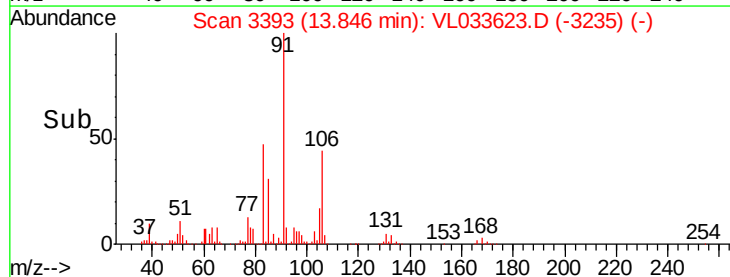
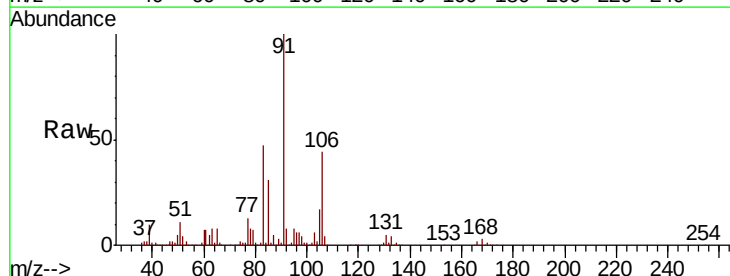
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

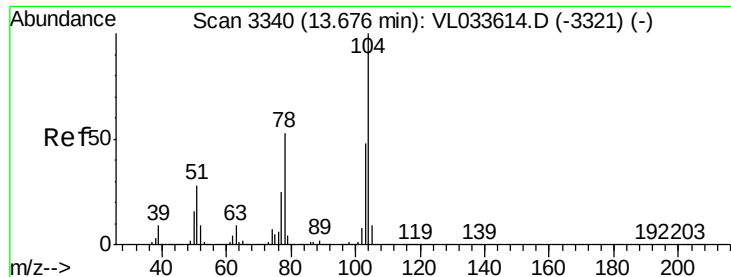
Tgt Ion: 91 Resp: 3236366
Ion Ratio Lower Upper
91 100
106 89.3 0.0 0.0#



#60
o-Xylene
Concen: 8.757 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion: 91 Resp: 3172349
Ion Ratio Lower Upper
91 100
106 43.9 21.8 65.4





#61

Styrene

Concen: 9.874 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

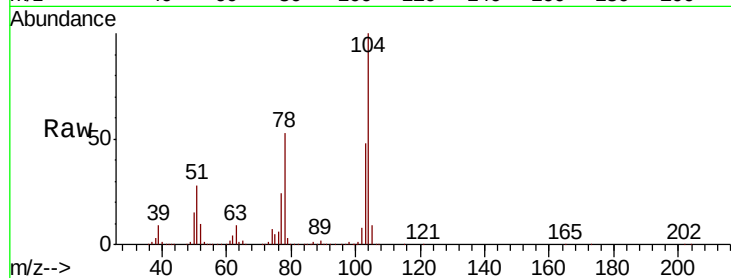
Tgt Ion:104 Resp: 2444842

Ion Ratio Lower Upper

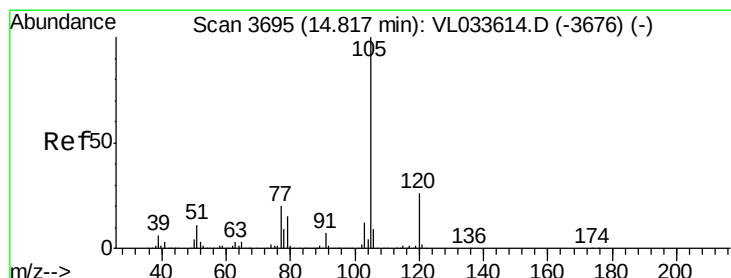
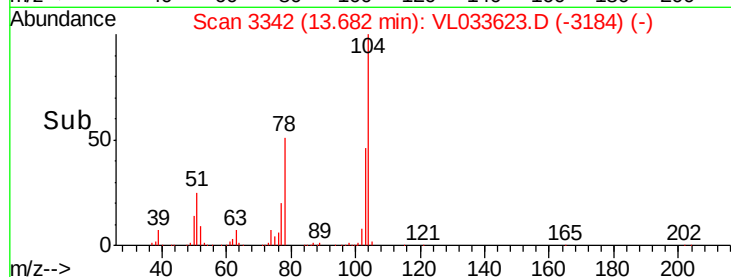
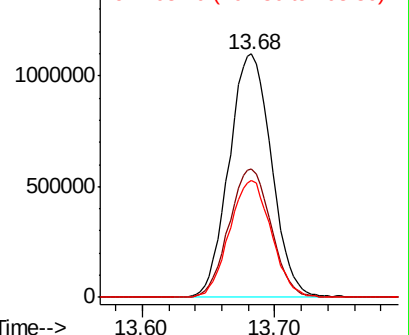
104 100

78 52.6 42.7 64.1

103 47.7 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: 8.866 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VL033623.D

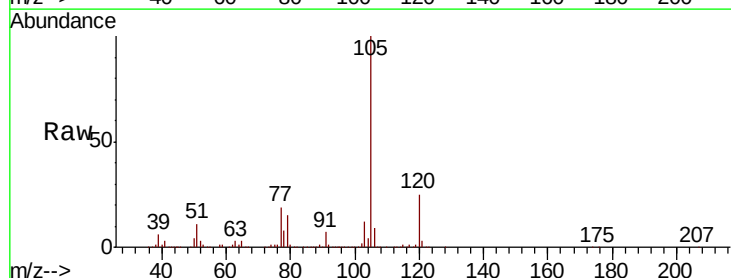
Acq: 2 May 2019 10:26

Tgt Ion:105 Resp: 4292262

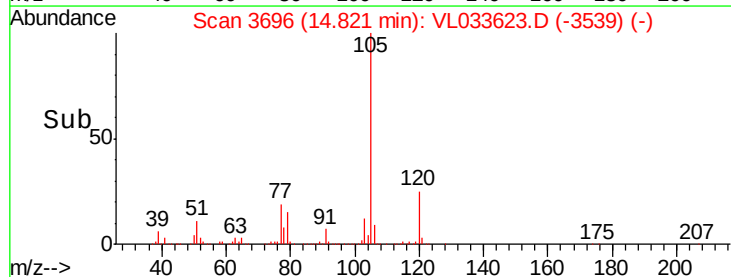
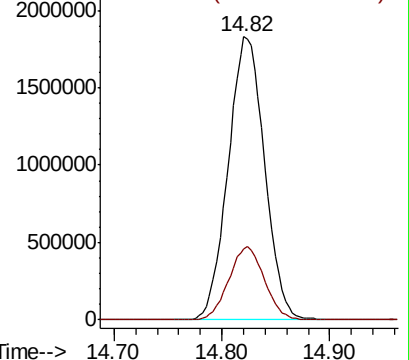
Ion Ratio Lower Upper

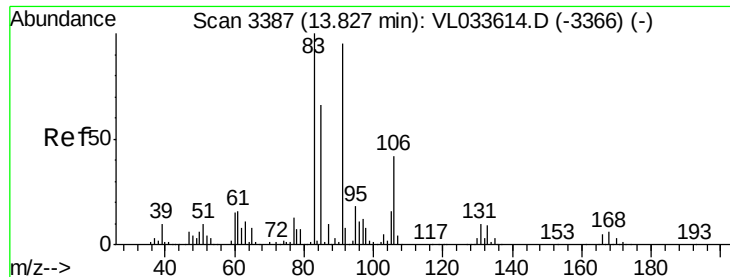
105 100

120 25.3 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

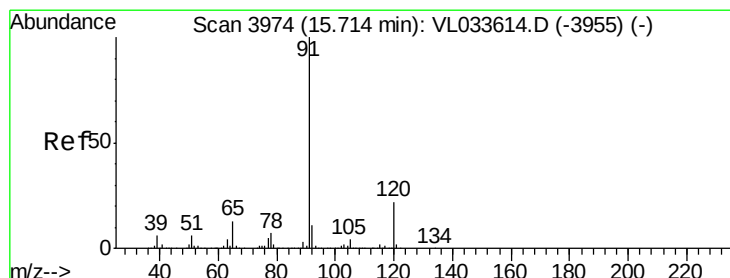
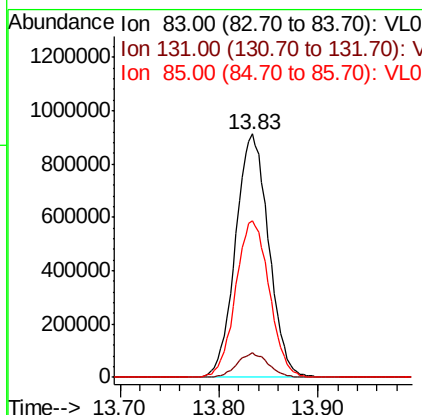
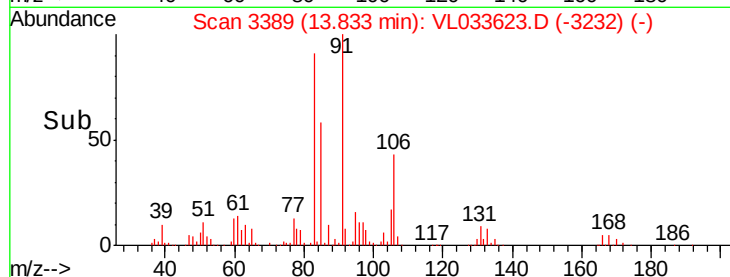
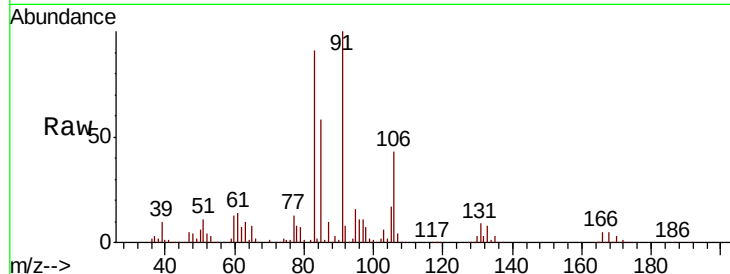




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.512 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

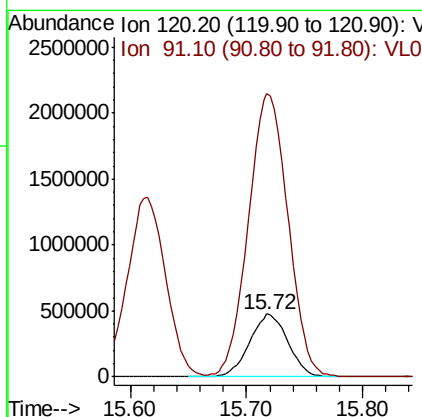
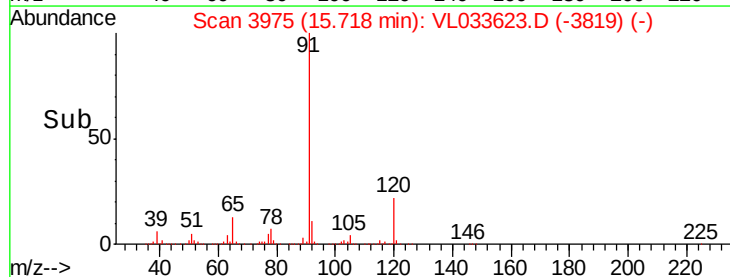
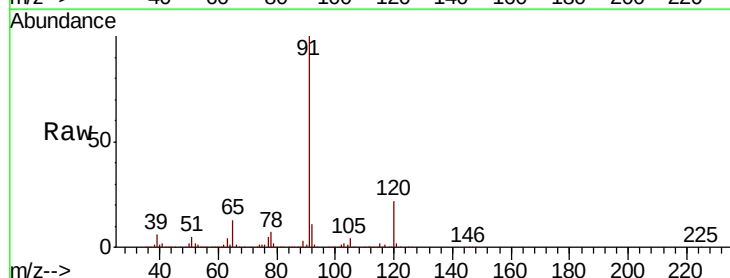
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

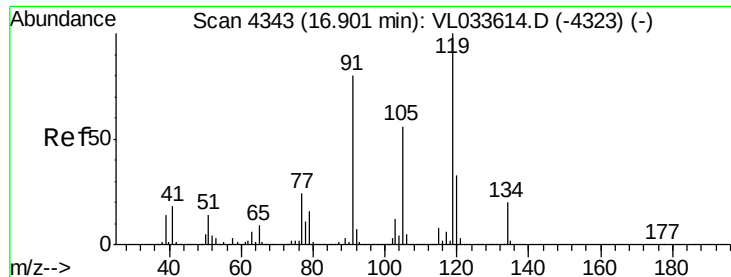
Tgt Ion: 83 Resp: 2124251
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.4
 85 65.4 32.3 96.8



#64
 n-propylbenzene
 Concen: 8.688 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. 0.00 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion: 120 Resp: 1090916
 Ion Ratio Lower Upper
 120 100
 91 468.7 380.2 570.2

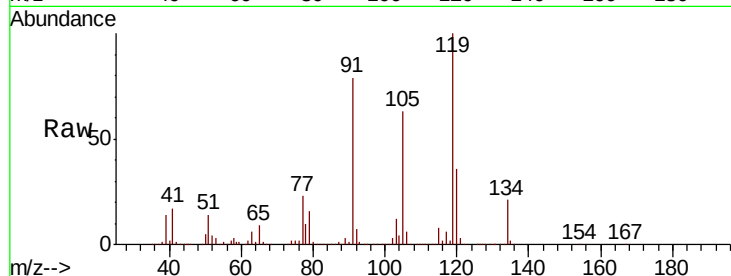




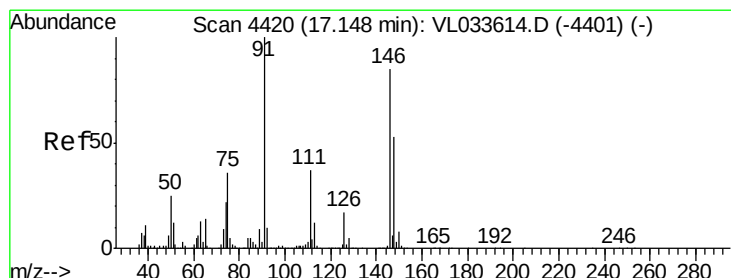
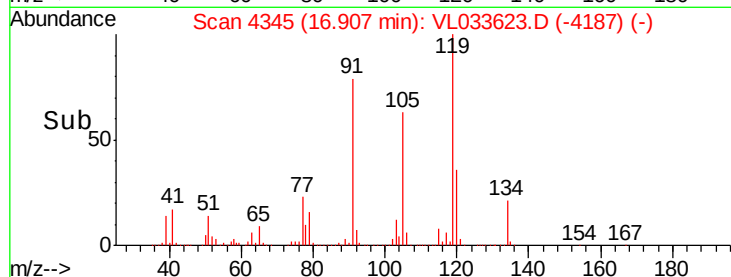
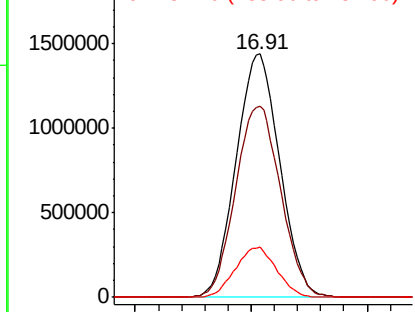
#65
tert-Butylbenzene
Concen: 8.302 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. 0.01 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 3758653
Ion Ratio Lower Upper
119 100
91 81.6 66.1 99.1
134 19.4 15.6 23.4

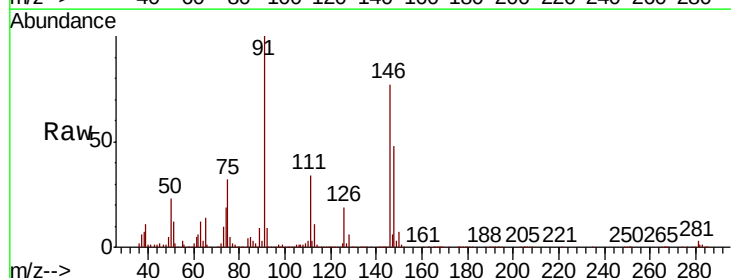


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

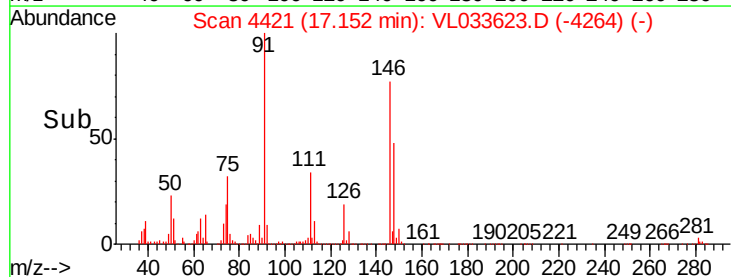
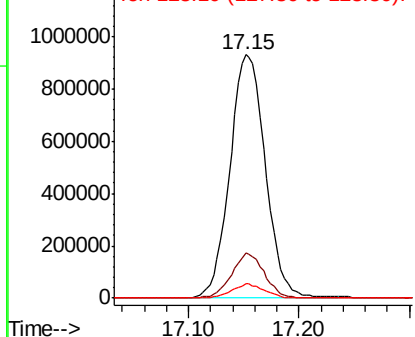


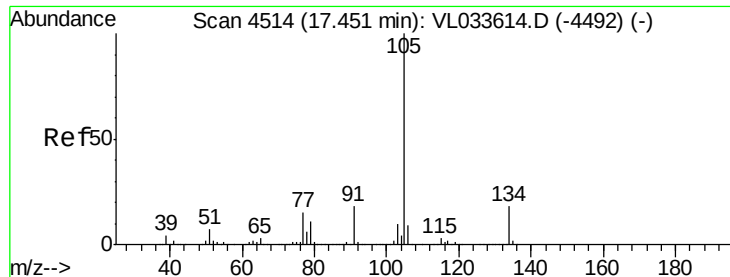
#66
Benzyl Chloride
Concen: 10.044 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. 0.00 min
Lab File: VL033623.D
Acq: 2 May 2019 10:26

Tgt Ion: 91 Resp: 2062237
Ion Ratio Lower Upper
91 100
126 17.3 13.4 20.2
128 5.4 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: 8.297 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. 0.00 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

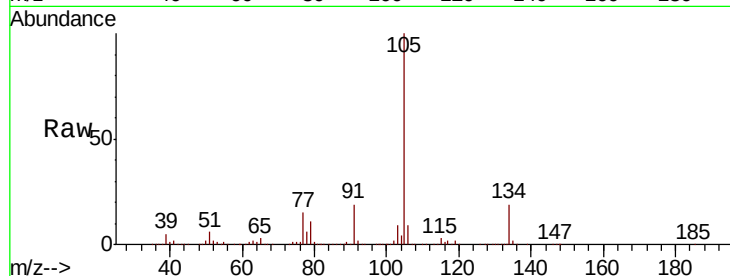
VSTDCCC010

Tgt Ion: 105 Resp: 5275277

Ion Ratio Lower Upper

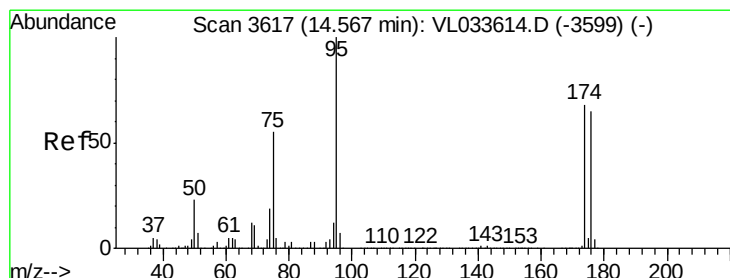
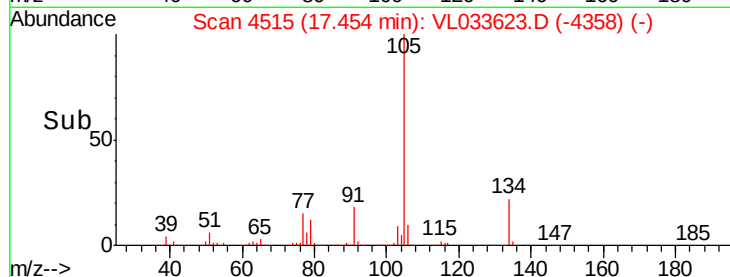
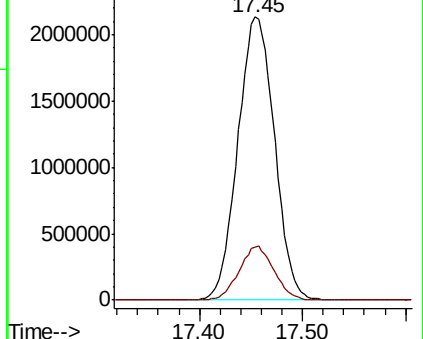
105 100

134 18.1 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.555 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

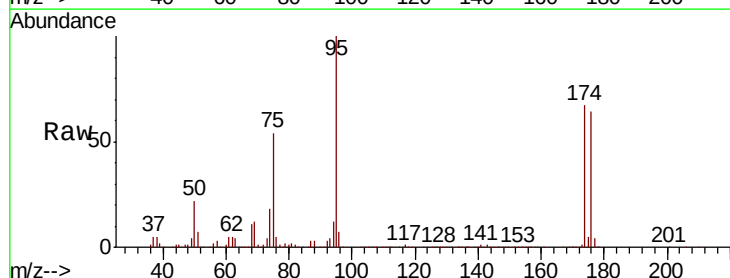
Tgt Ion: 95 Resp: 2357657

Ion Ratio Lower Upper

95 100

174 68.4 53.9 80.9

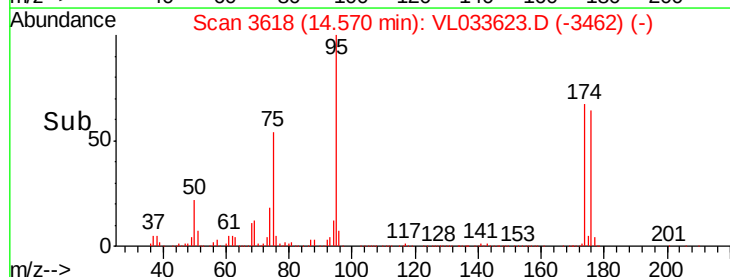
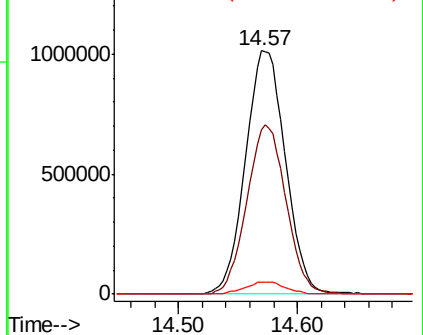
175 5.0 4.0 6.0

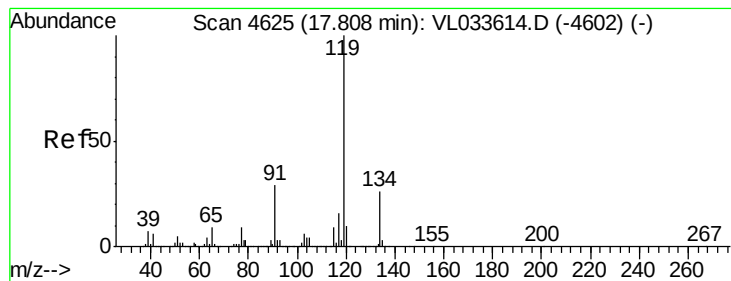


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.358 ppbv

RT: 17.81 min Scan# 4626

Delta R.T. 0.00 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

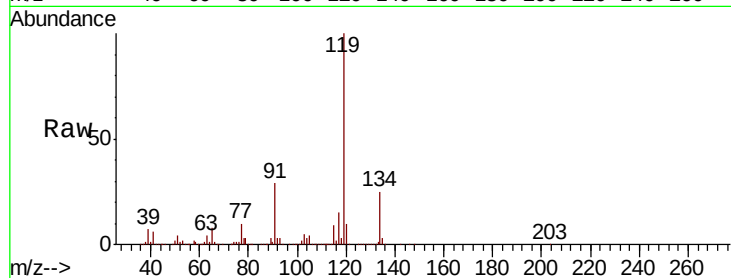
Tgt Ion: 119 Resp: 4420979

Ion Ratio Lower Upper

119 100

134 25.5 20.2 30.2

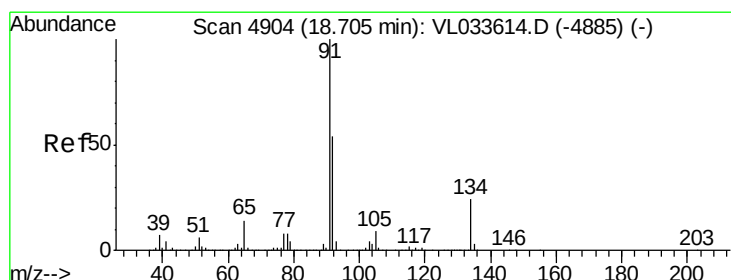
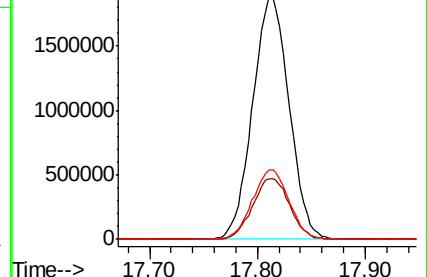
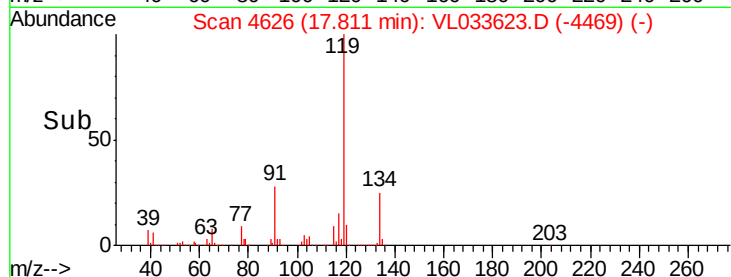
91 28.8 23.3 34.9



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: 7.937 ppbv

RT: 18.71 min Scan# 4906

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

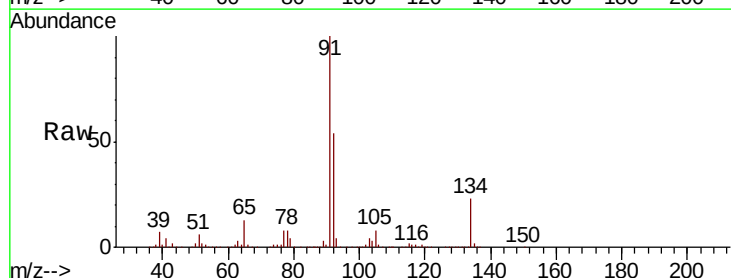
Tgt Ion: 91 Resp: 4569412

Ion Ratio Lower Upper

91 100

92 53.5 42.6 64.0

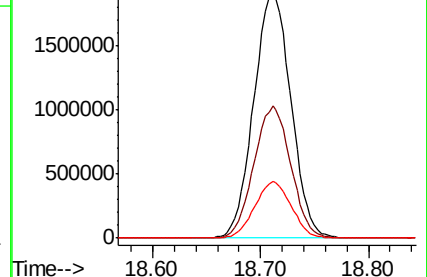
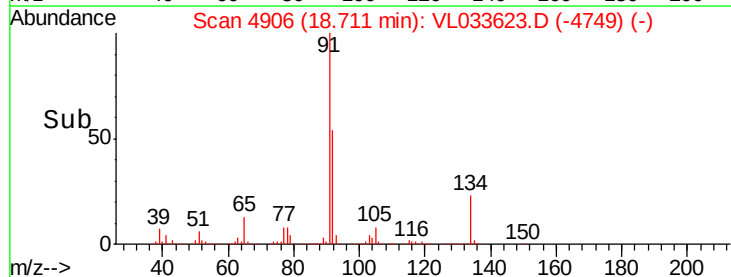
134 22.7 18.0 27.0

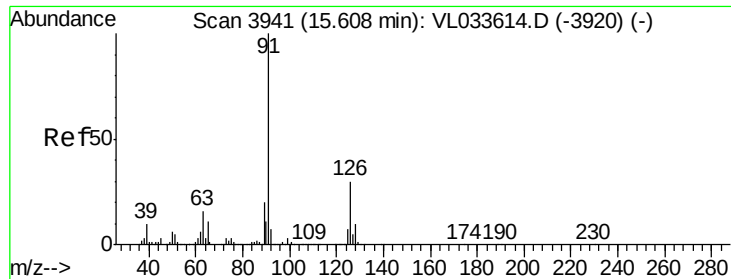


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.672 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

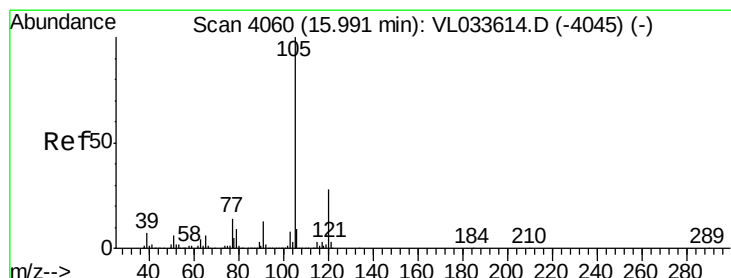
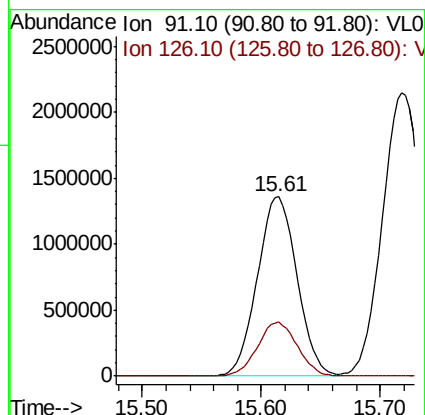
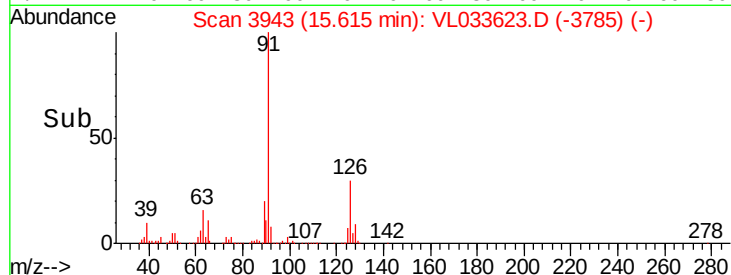
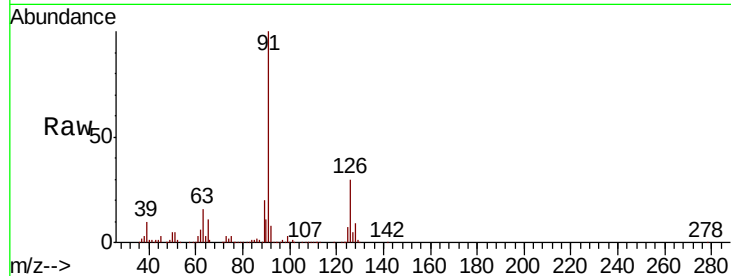
VSTDCCC010

Tgt Ion: 91 Resp: 3139950

Ion Ratio Lower Upper

91 100

126 30.2 11.9 47.7



#72

4-Ethyltoluene

Concen: 8.900 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Tgt Ion: 105 Resp: 3672122

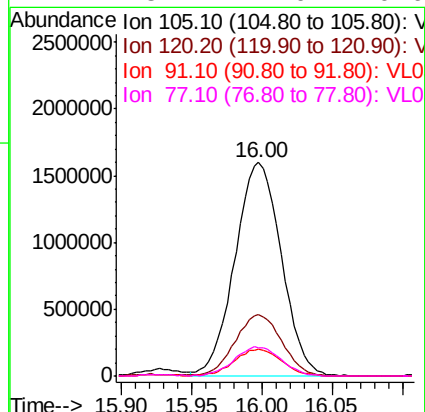
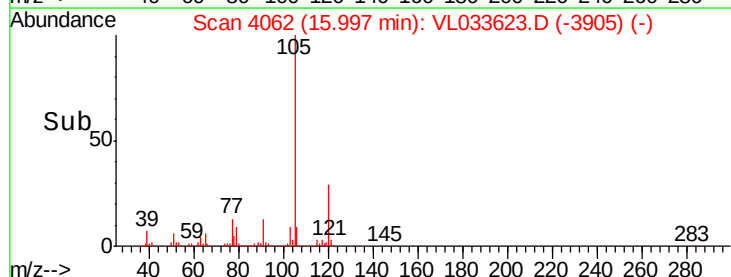
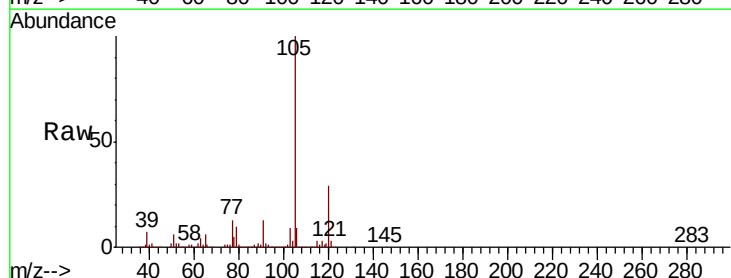
Ion Ratio Lower Upper

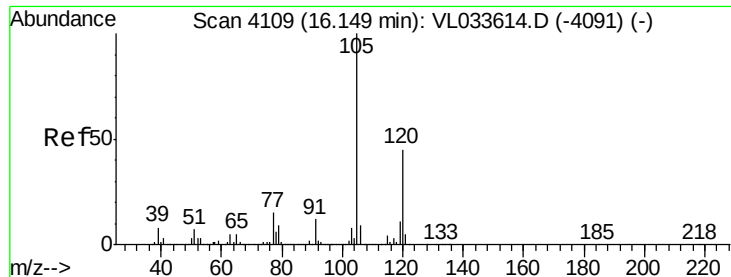
105 100

120 29.0 23.2 34.8

91 12.7 10.3 15.5

77 13.7 11.0 16.6

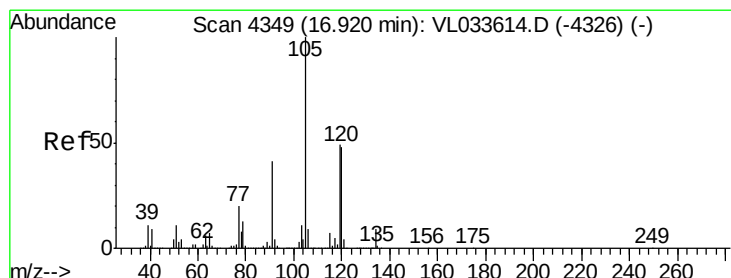
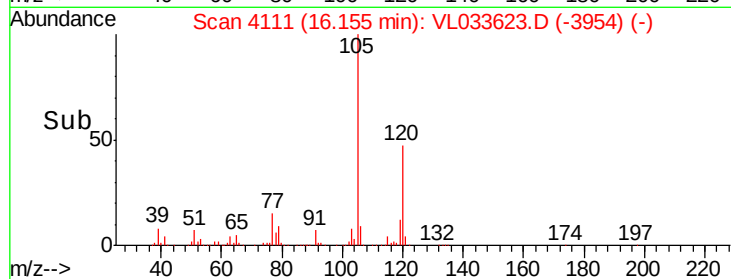
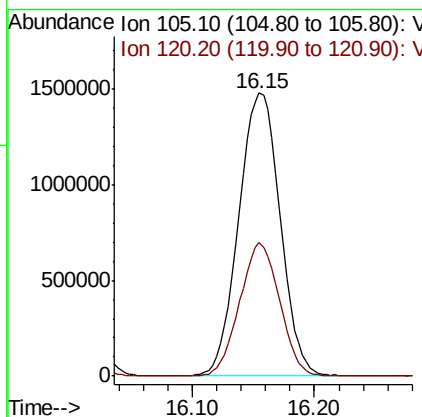
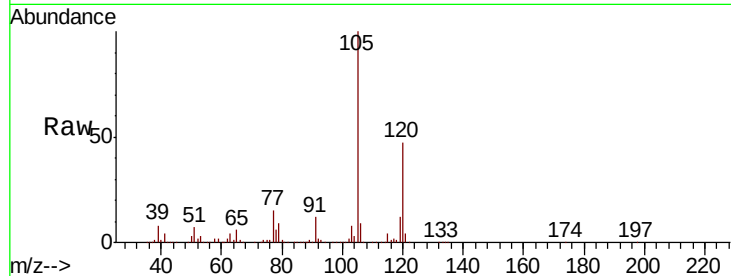




#73
 1,3,5-Trimethylbenzene
 Concen: 8.544 ppbv
 RT: 16.15 min Scan# 4111
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

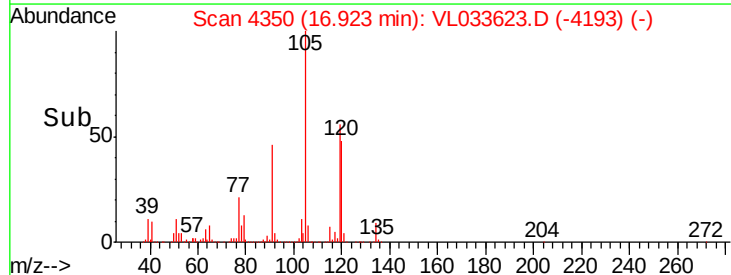
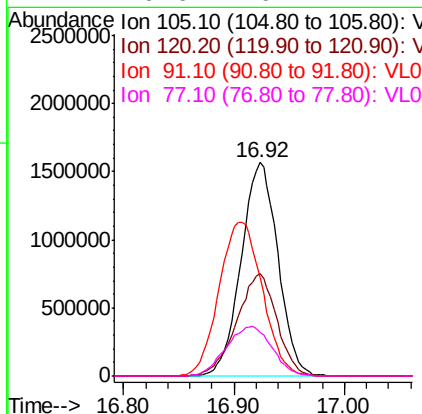
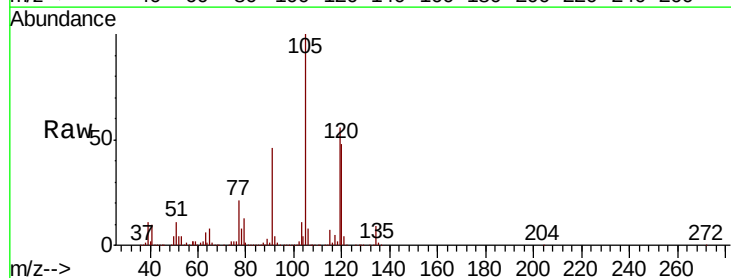
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

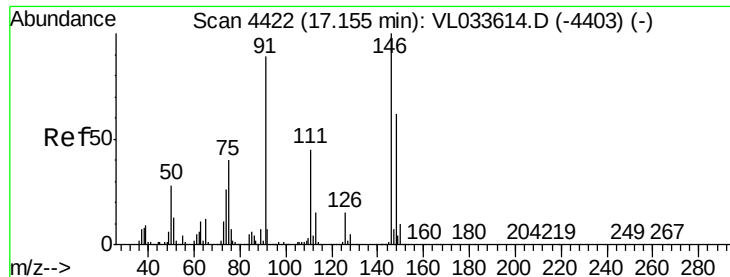
Tgt Ion:105 Resp: 3466975
 Ion Ratio Lower Upper
 105 100
 120 47.2 36.2 54.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.984 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. 0.00 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion:105 Resp: 3613214
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.4 57.6
 91 46.0 33.0 49.4
 77 20.6 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 7.579 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

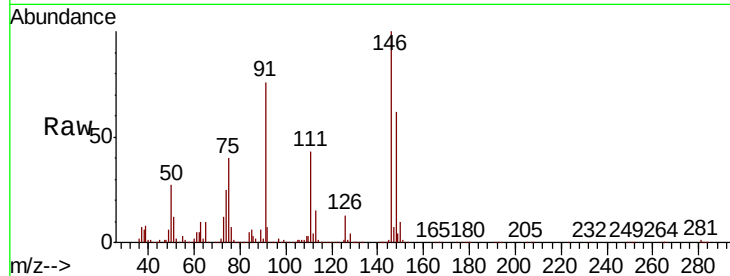
Tgt Ion:146 Resp: 2135185

Ion Ratio Lower Upper

146 100

111 44.8 22.4 67.2

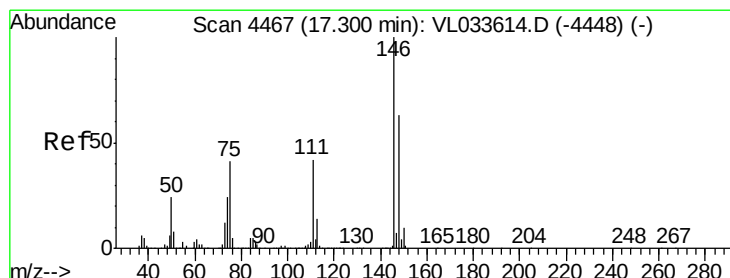
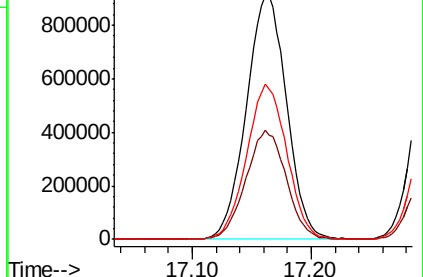
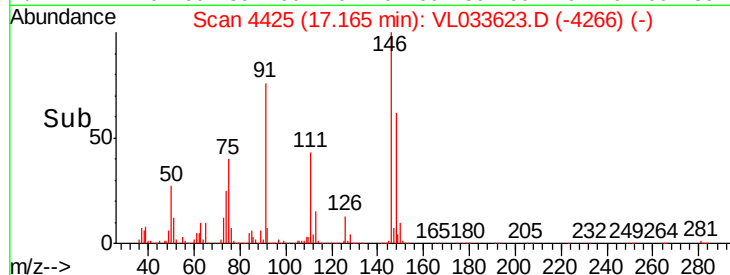
148 63.5 32.0 96.0



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: 7.987 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

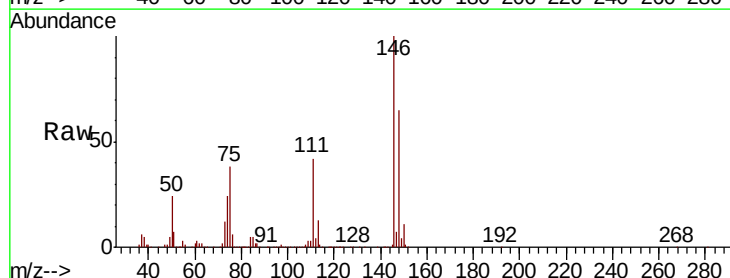
Tgt Ion:146 Resp: 2145652

Ion Ratio Lower Upper

146 100

111 43.0 21.6 65.0

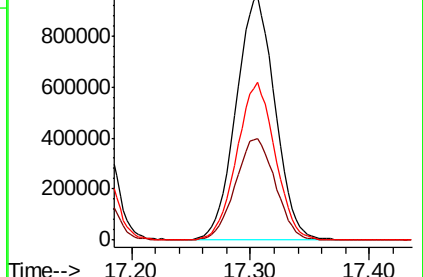
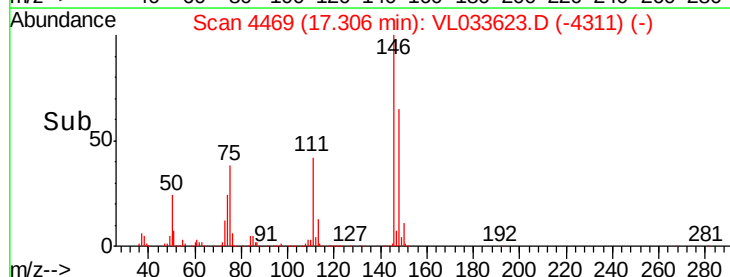
148 64.6 32.3 96.9

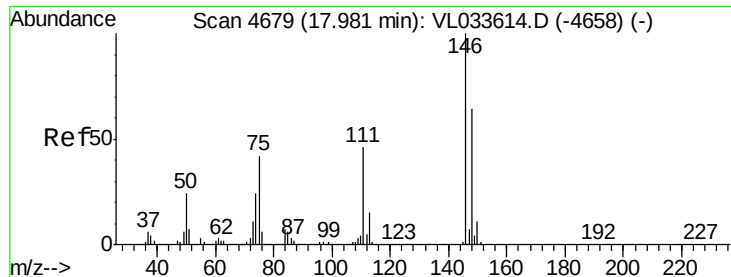


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

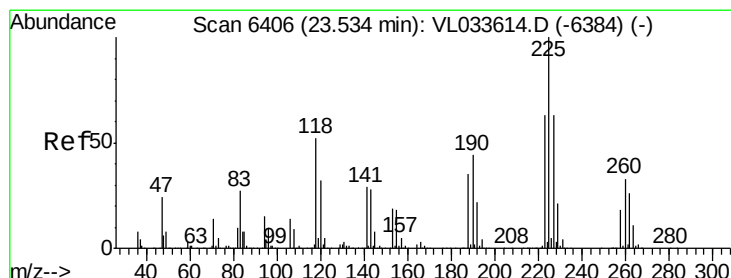
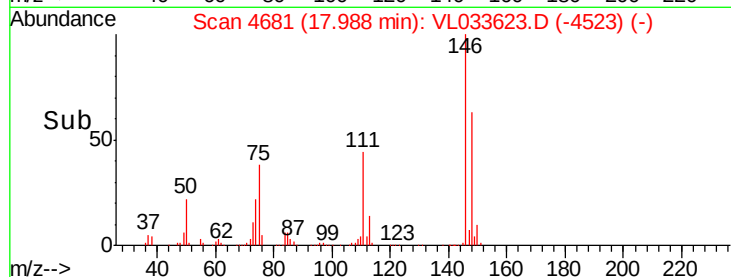
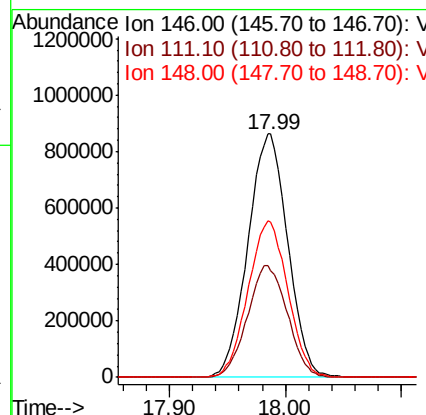
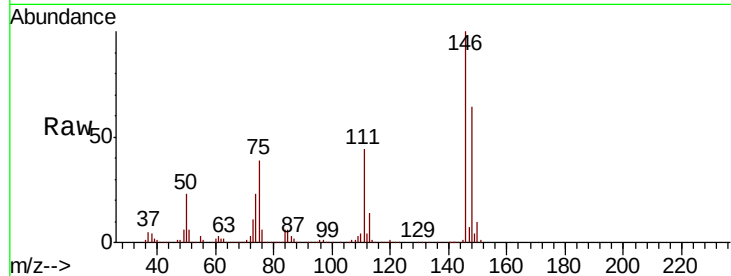




#77
 1,2-Dichlorobenzene
 Concen: 7.869 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

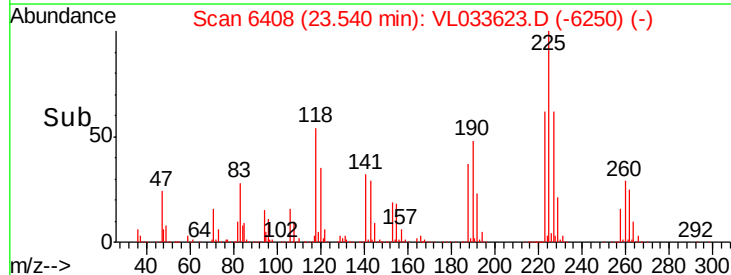
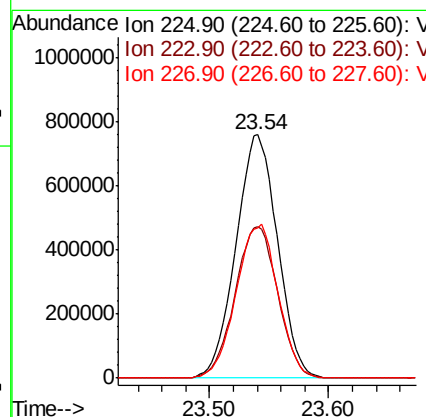
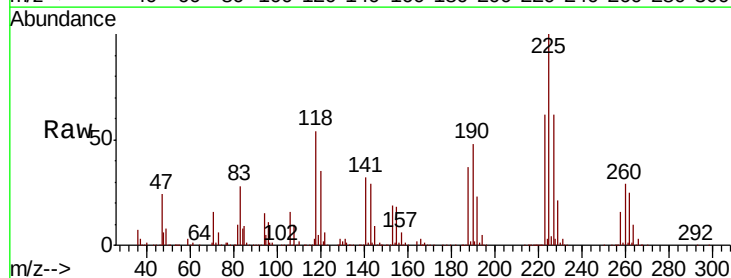
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

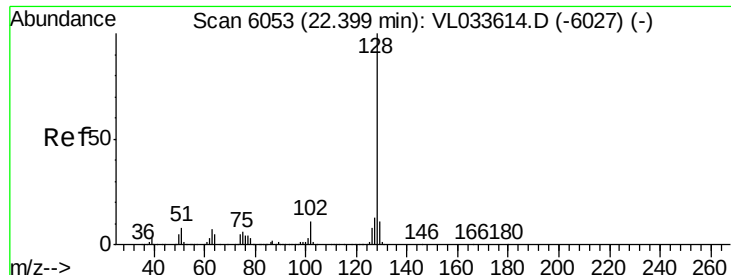
Tgt Ion:146 Resp: 2062348
 Ion Ratio Lower Upper
 146 100
 111 46.0 23.3 69.9
 148 64.1 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.177 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.01 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Tgt Ion:225 Resp: 1838903
 Ion Ratio Lower Upper
 225 100
 223 64.0 50.4 75.6
 227 63.7 50.7 76.1





#79

Naphthalene

Concen: 10.195 ppbv

RT: 22.41 min Scan# 6055

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

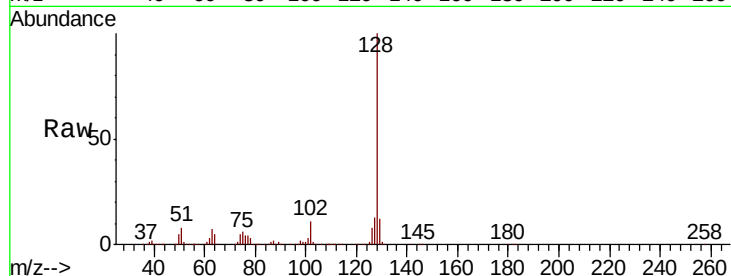
Tgt Ion:128 Resp: 4255353

Ion Ratio Lower Upper

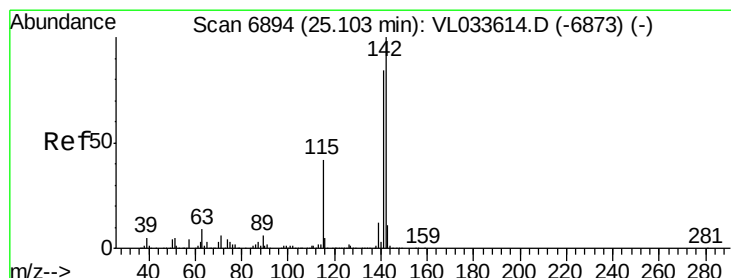
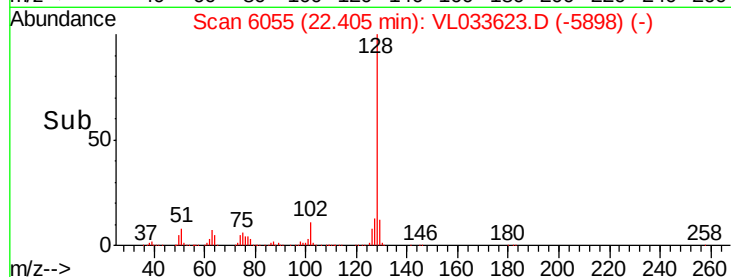
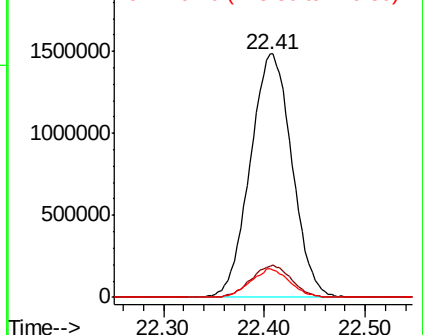
128 100

127 12.9 10.6 16.0

129 11.7 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: 11.788 ppbv

RT: 25.11 min Scan# 6896

Delta R.T. 0.01 min

Lab File: VL033623.D

Acq: 2 May 2019 10:26

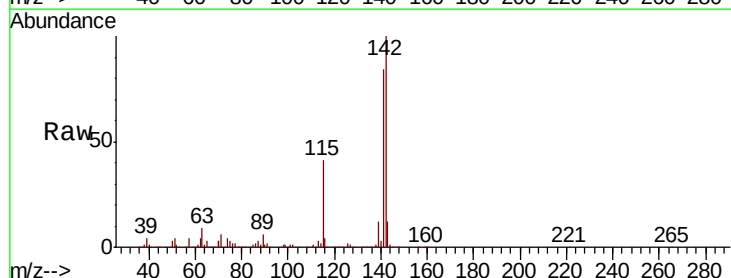
Tgt Ion:142 Resp: 2132913

Ion Ratio Lower Upper

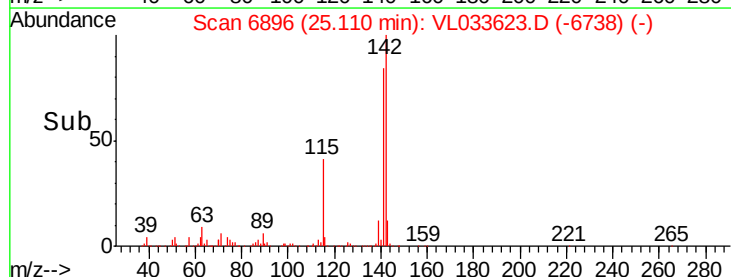
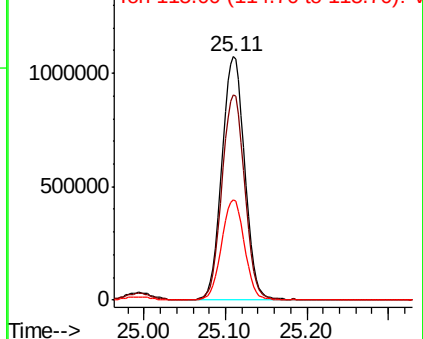
142 100

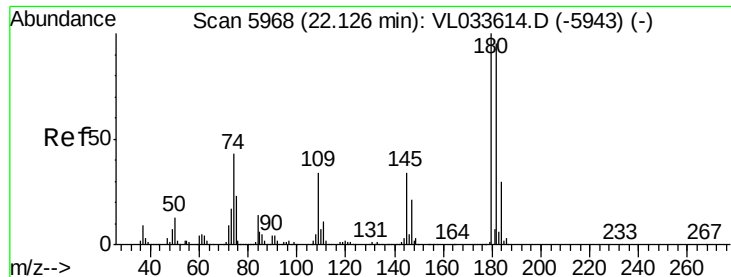
141 84.3 67.3 100.9

115 41.6 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

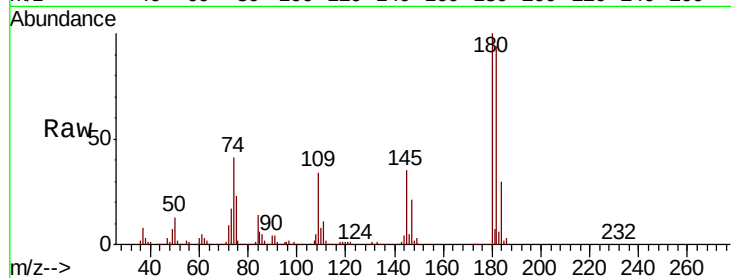




#81
 1,2,4-Trichlorobenzene
 Concen: 8.969 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. 0.00 min
 Lab File: VL033623.D
 Acq: 2 May 2019 10:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 2170855
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 184 30.9 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

