

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
 Data File : VL033263.D
 Acq On : 8 Mar 2019 17:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Mar 09 03:43:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar 09 03:32:03 2019
 QLast Update : Sat Mar 09 03:32:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	938792	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2199903	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2826046	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1778030	7.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1663661	9.374	ppbv	100
3) Chlorodifluoromethane	3.01	51	1019937	9.579	ppbv	99
4) Chloromethane	3.17	50	551220	9.936	ppbv	98
5) Vinyl Chloride	3.29	62	534373	9.607	ppbv	99
6) Bromomethane	3.52	94	336464	9.836	ppbv	97
7) Chloroethane	3.60	64	204217	10.154	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1298908	9.364	ppbv	98
9) Propene	3.04	41	472548	10.059	ppbv	98
10) Heptane	8.25	43	1258496	9.810	ppbv	99
11) Trichlorofluoromethane	4.00	101	1479140	9.541	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	983578	9.656	ppbv	100
13) Ethanol	3.65	45	99057	7.286	ppbv	96
14) Bromoethene	3.79	108	427501	10.223	ppbv	99
15) Acetone	3.90	43	1023233	9.185	ppbv	99
16) 1,3-Butadiene	3.36	39	489910	10.602	ppbv	100
17) tert-Butyl alcohol	4.36	59	175610	9.666	ppbv	99
18) 1,1-Dichloroethene	4.35	96	440514	9.877	ppbv	97
19) Isopropyl Alcohol	4.02	45	604747	9.041	ppbv	99
20) Methylene Chloride	4.41	84	386653	8.456	ppbv	95
21) Allyl Chloride	4.48	41	694647	10.382	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	459285	10.041	ppbv	97
23) Vinyl Acetate	5.16	43	1685123	10.559	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1168166	9.971	ppbv	98
25) Ethyl Acetate	5.77	43	1984192	9.326	ppbv	100
26) Hexane	5.78	57	889510	8.873	ppbv	99
27) Carbon Disulfide	4.62	76	1125568	11.086	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1356534	10.533	ppbv	99
29) Chloroform	5.85	83	1469035	9.602	ppbv	99
30) Cyclohexane	7.25	84	759851	9.790	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	943732	9.938	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1449671	10.034	ppbv	99
34) 2-Butanone	5.33	43	1326774	9.976	ppbv	99
35) Carbon Tetrachloride	7.13	117	1514243	10.141	ppbv	97
36) Benzene	7.01	78	1922089	10.149	ppbv	96
37) 1,2-Dichloroethane	6.41	62	1127384	9.245	ppbv	100
38) Trichloroethene	7.96	130	732492	9.967	ppbv	98
39) 1,2-Dichloropropane	7.74	63	746133	10.034	ppbv	96
40) 1,4-Dioxane	7.95	88	257915	9.411	ppbv	# 1
41) Tetrahydrofuran	6.15	42	779918	10.379	ppbv	99
42) Bromodichloromethane	7.92	83	1685008	10.144	ppbv	98
43) Methyl Methacrylate	8.14	69	800962	10.512	ppbv	99

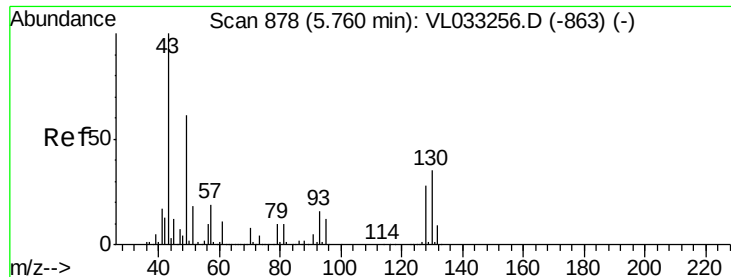
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3243623	9.637	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1052008	11.400	ppbv	97
46) cis-1,3-Dichloropropene	8.83	75	1191272	10.968	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	782997	9.811	ppbv	96
48) Dibromochloromethane	10.45	129	1378577	10.536	ppbv	98
49) Bromoform	13.20	173	1191908	10.236	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1971832	9.799	ppbv	100
51) 2-Hexanone	10.27	43	1546345	10.309	ppbv #	100
52) Tetrachloroethene	11.37	164	695439	9.855	ppbv	99
53) Toluene	9.95	91	2256269	10.402	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1246502	9.971	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	954024	8.064	ppbv #	57
57) Chlorobenzene	12.30	112	1623314	7.833	ppbv	98
58) Ethyl Benzene	12.87	91	3106256	8.124	ppbv	99
59) m/p-Xylene	13.15	91	2328225	6.726	ppbv #	17
60) o-Xylene	13.85	91	2457448	7.332	ppbv	99
61) Styrene	13.68	104	1863951	8.174	ppbv	99
62) Isopropylbenzene	14.83	105	3455915	7.722	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1641858	7.615	ppbv	100
64) n-propylbenzene	15.72	120	879901	8.040	ppbv	100
65) tert-Butylbenzene	16.91	119	3044290	8.087	ppbv	100
66) Benzyl Chloride	17.16	91	1567879	11.116	ppbv	99
67) sec-Butylbenzene	17.46	105	4250621	7.942	ppbv	100
69) p-Isopropyltoluene	17.82	119	3790642	8.727	ppbv	100
70) n-Butylbenzene	18.71	91	3992687	8.481	ppbv	100
71) 2-Chlorotoluene	15.62	91	2715844	8.110	ppbv	99
72) 4-Ethyltoluene	16.00	105	2960032	8.482	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2753139	8.280	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2804681	8.106	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1580742	7.731	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1611360	8.048	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1624498	8.253	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1324625	8.883	ppbv	100
79) Naphthalene	22.41	128	3257413	8.634	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1780960	19.289	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1517471	7.799	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

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BFB

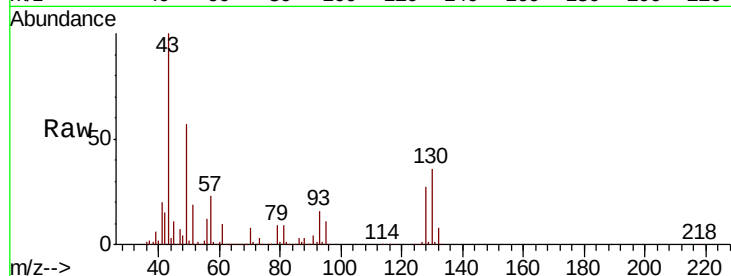
Tgt Ion: 49 Resp: 938792

Ion Ratio Lower Upper

49 100

128 46.3 22.5 67.5

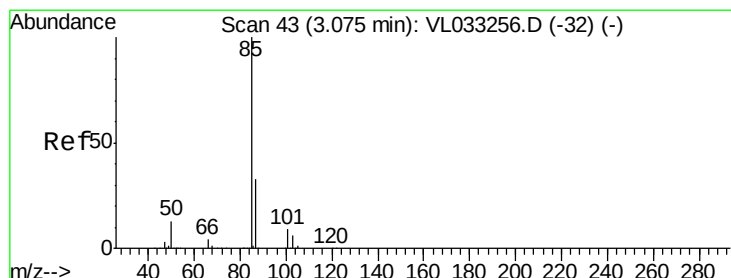
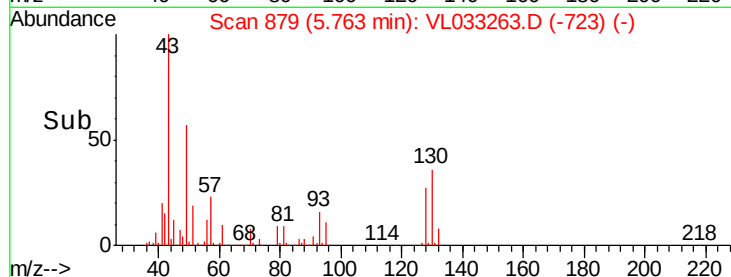
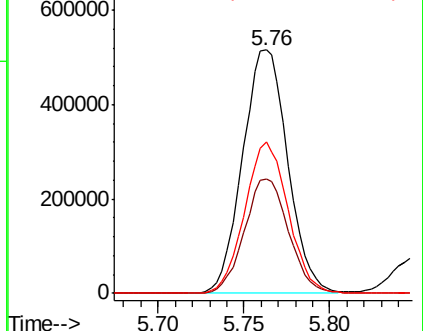
130 60.0 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.374 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033263.D

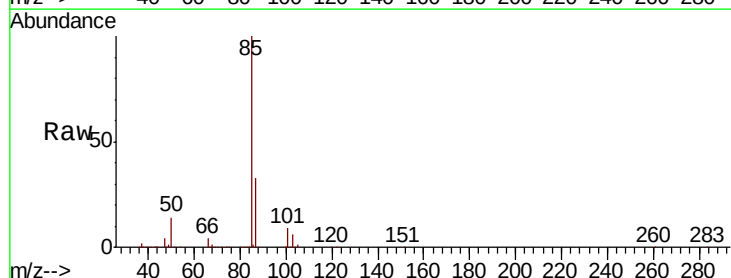
Acq: 8 Mar 2019 17:14

Tgt Ion: 85 Resp: 1663661

Ion Ratio Lower Upper

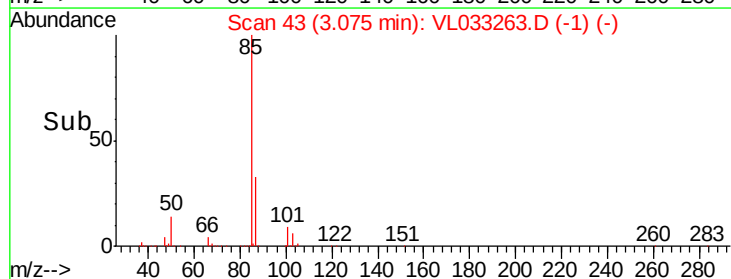
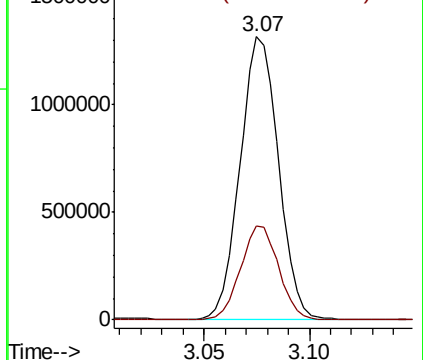
85 100

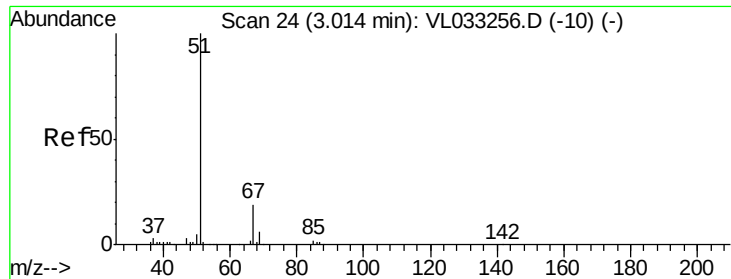
87 33.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

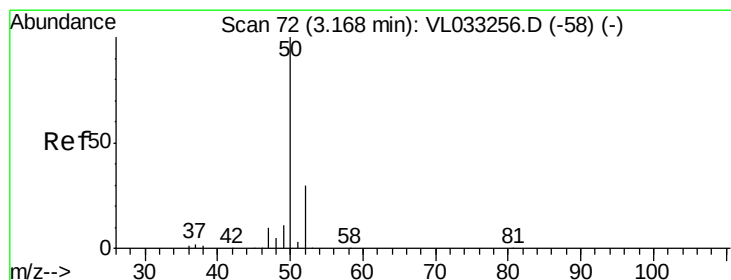
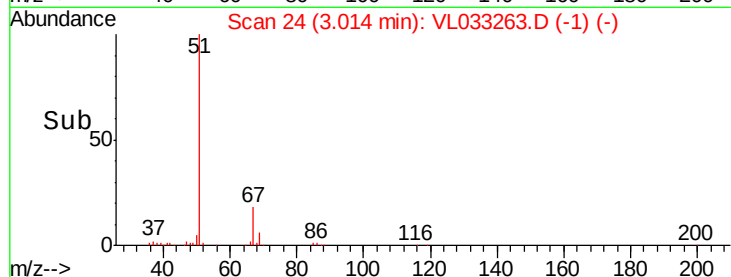
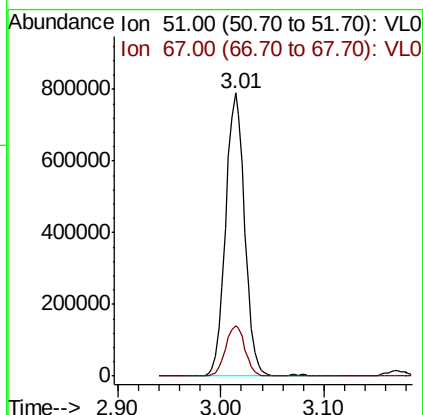
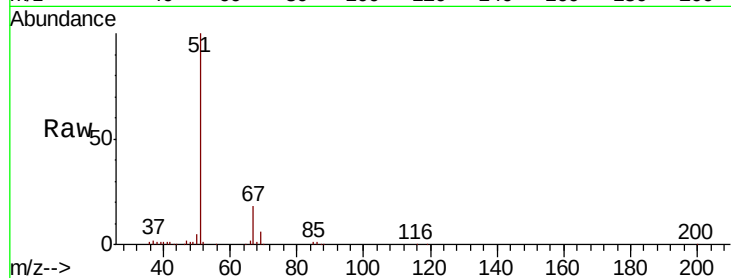




#3
 Chlorodifluoromethane
 Concen: 9.579 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

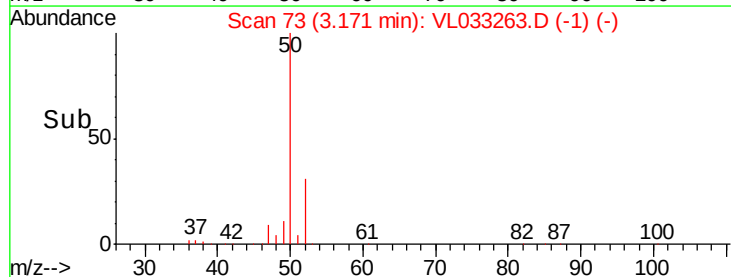
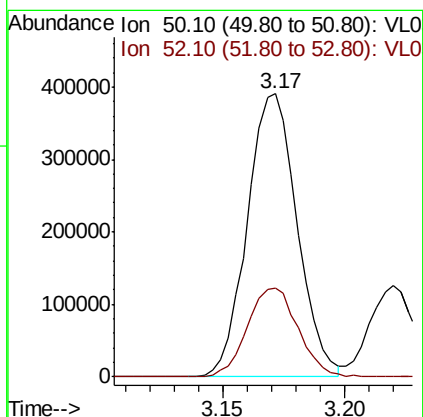
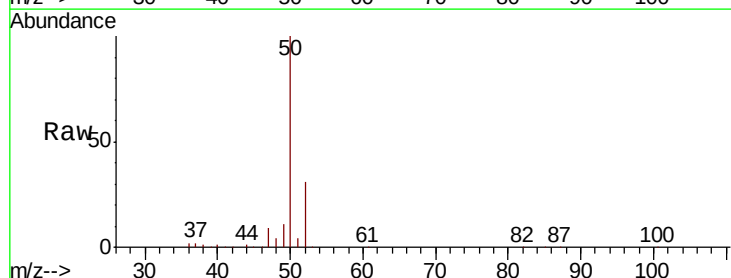
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

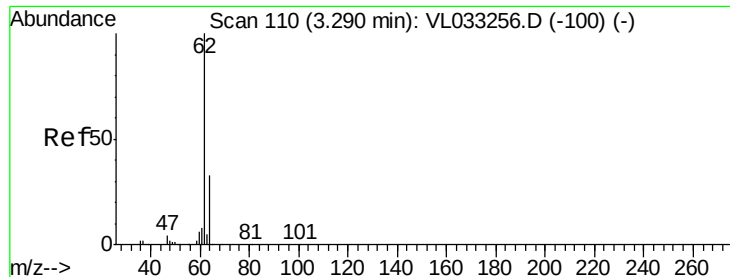
Tgt Ion: 51 Resp: 1019937
 Ion Ratio Lower Upper
 51 100
 67 18.2 15.0 22.6



#4
 Chloromethane
 Concen: 9.936 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 50 Resp: 551220
 Ion Ratio Lower Upper
 50 100
 52 31.3 24.2 36.2





#5

Vinyl Chloride

Concen: 9.607 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

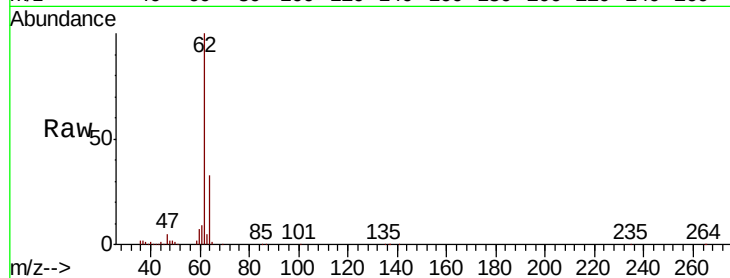
BFB

Tgt Ion: 62 Resp: 534373

Ion Ratio Lower Upper

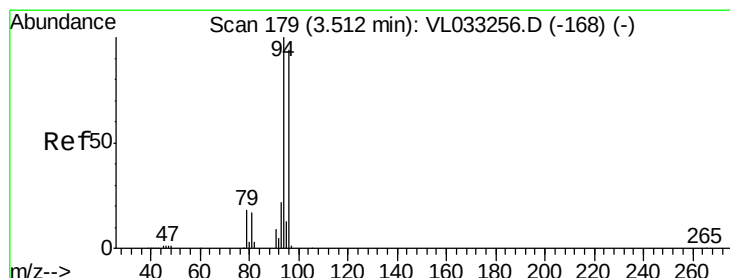
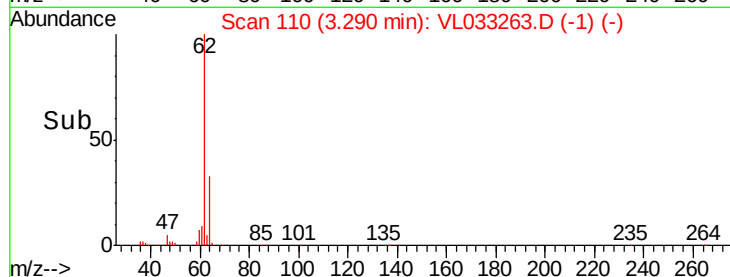
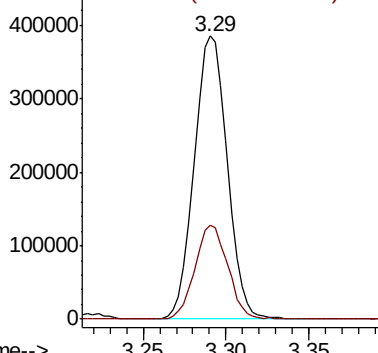
62 100

64 33.4 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.836 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033263.D

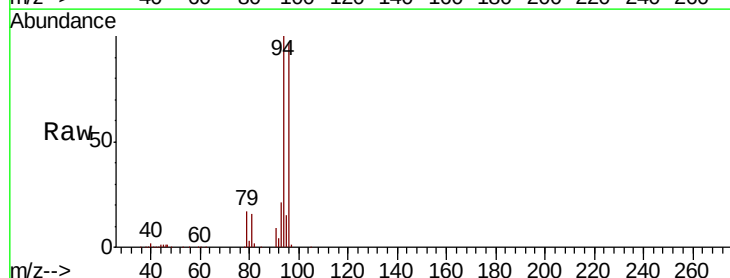
Acq: 8 Mar 2019 17:14

Tgt Ion: 94 Resp: 336464

Ion Ratio Lower Upper

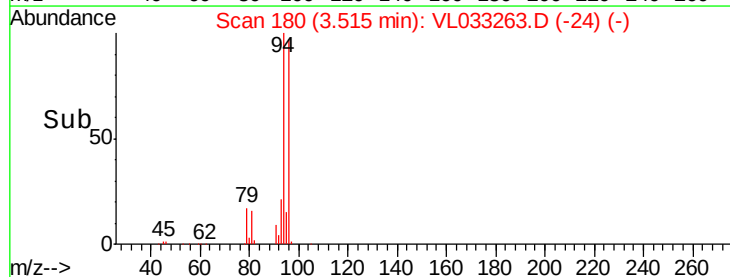
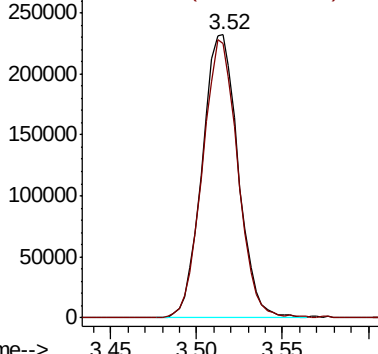
94 100

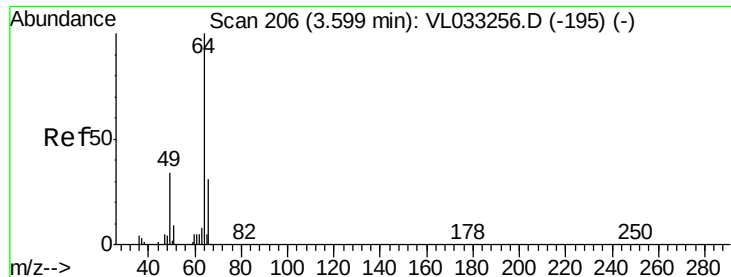
96 96.9 75.3 112.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.154 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

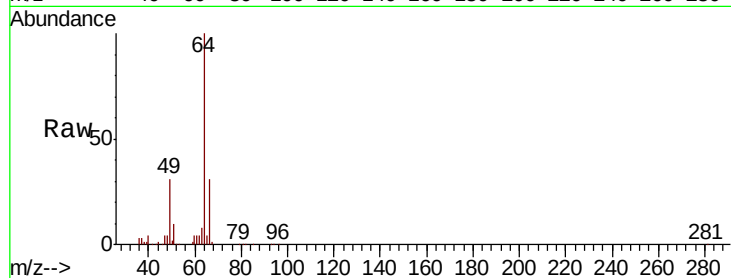
BFB

Tgt Ion: 64 Resp: 204217

Ion Ratio Lower Upper

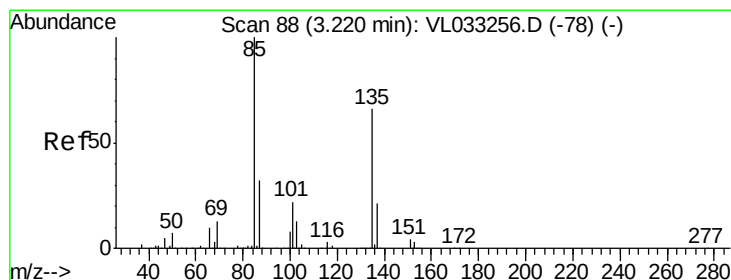
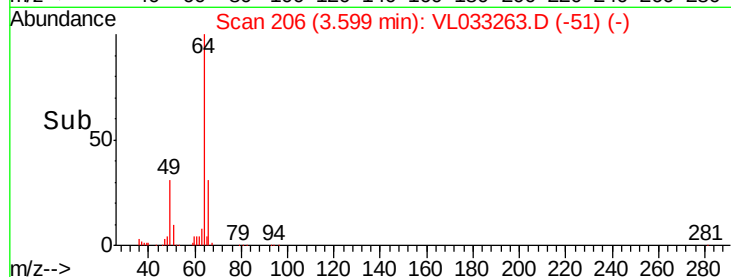
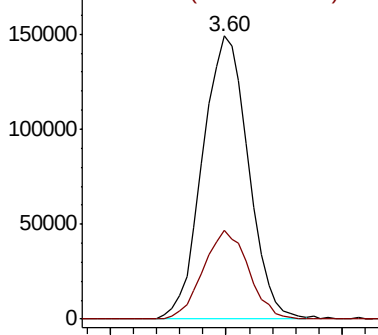
64 100

66 31.4 25.2 37.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.364 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033263.D

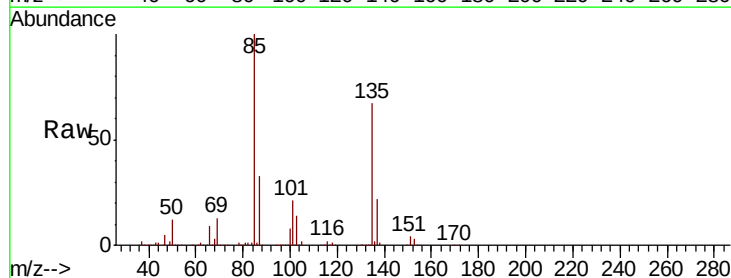
Acq: 8 Mar 2019 17:14

Tgt Ion: 85 Resp: 1298908

Ion Ratio Lower Upper

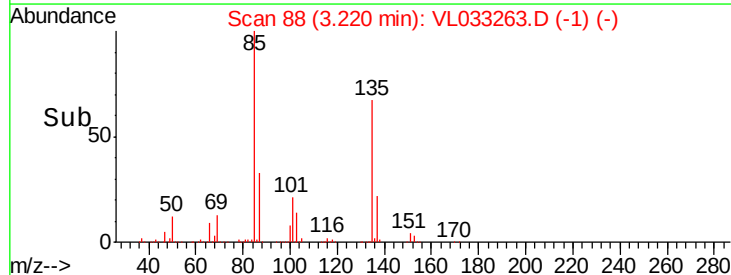
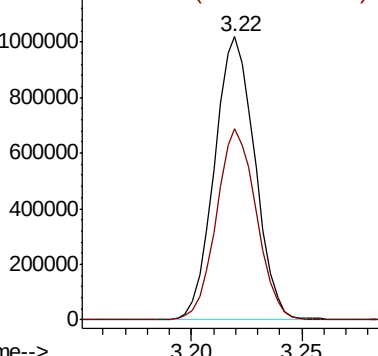
85 100

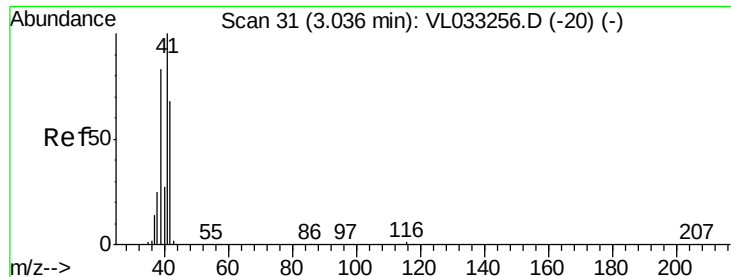
135 67.2 52.3 78.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.059 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

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ClientSampleId :

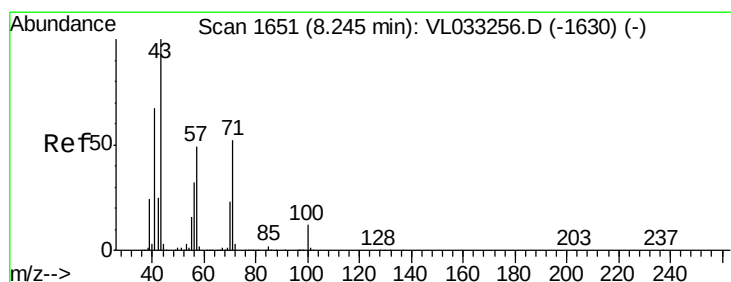
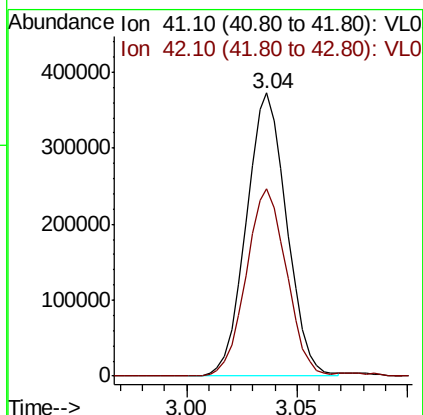
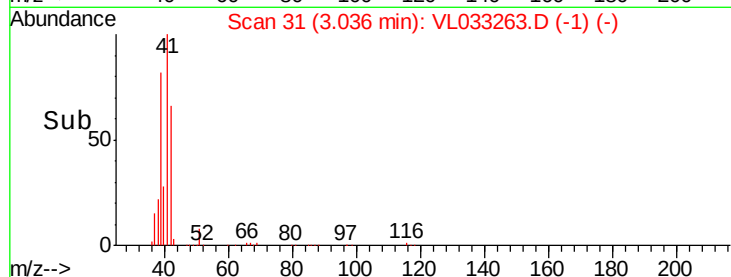
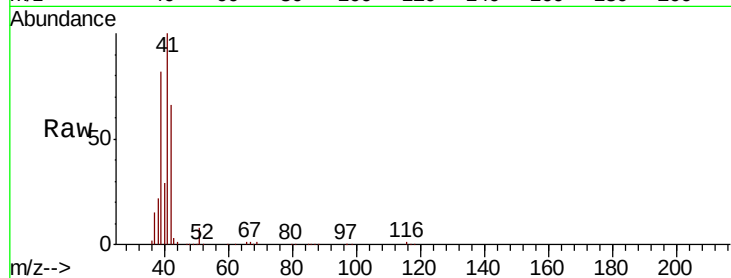
BFB

Tgt Ion: 41 Resp: 472548

Ion Ratio Lower Upper

41 100

42 67.5 55.2 82.8



#10

Heptane

Concen: 9.810 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033263.D

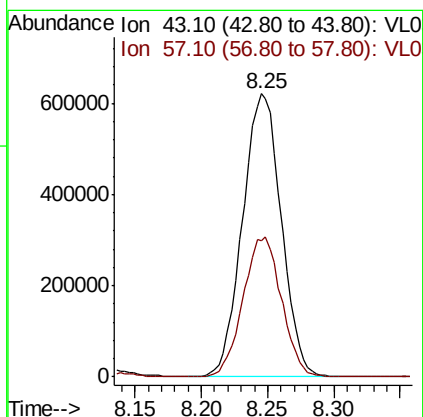
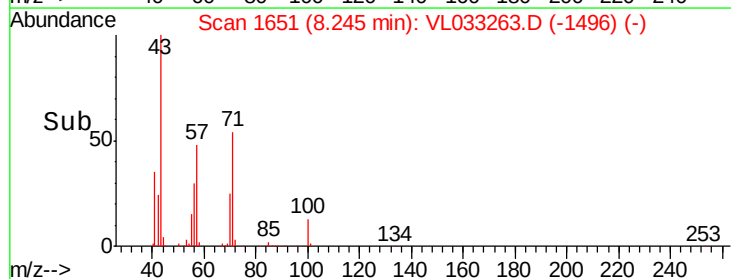
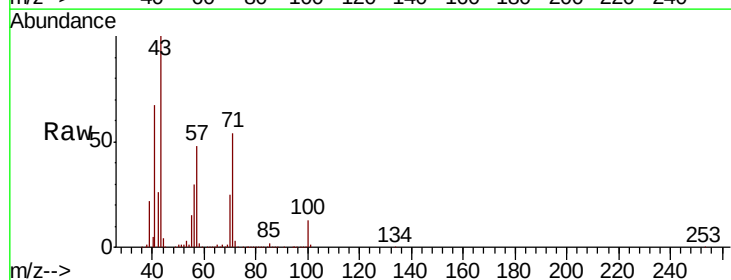
Acq: 8 Mar 2019 17:14

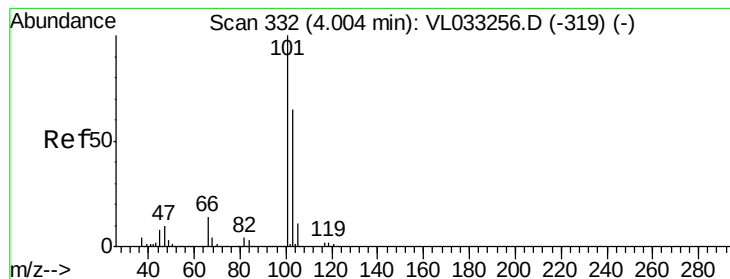
Tgt Ion: 43 Resp: 1258496

Ion Ratio Lower Upper

43 100

57 49.0 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.541 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

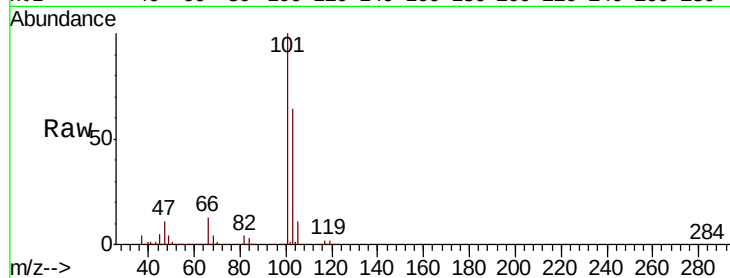
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Tgt Ion:101 Resp: 1479140

Ion Ratio Lower Upper

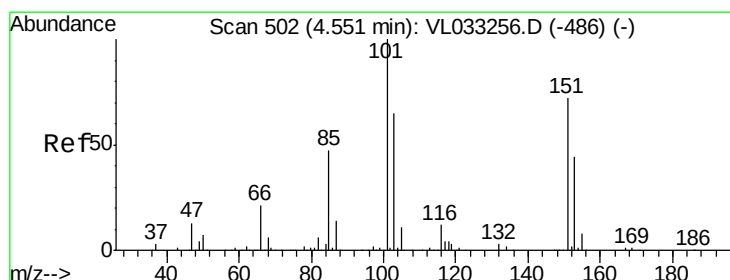
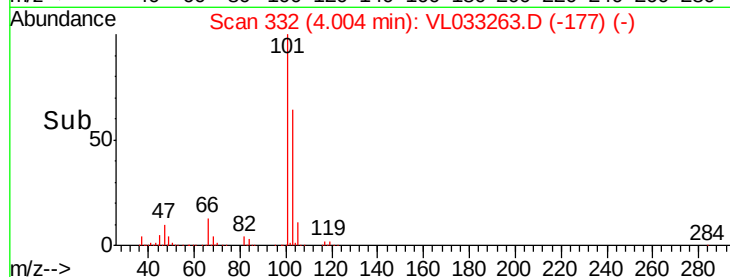
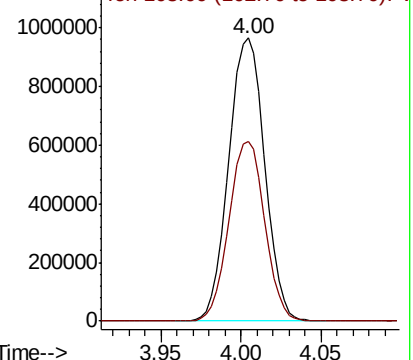
101 100

103 63.7 51.9 77.9



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: 9.656 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033263.D

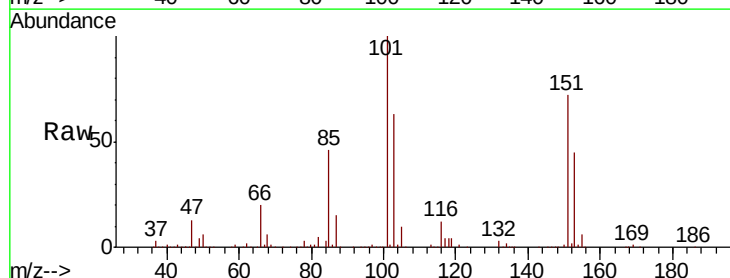
Acq: 8 Mar 2019 17:14

Tgt Ion:101 Resp: 983578

Ion Ratio Lower Upper

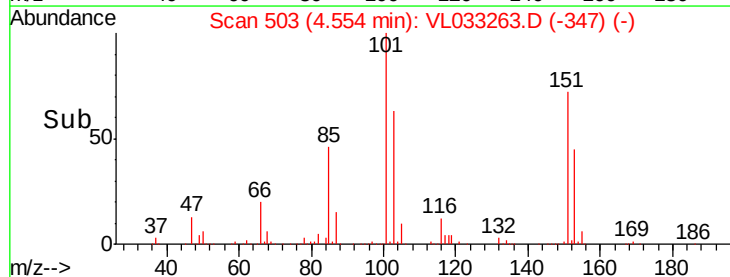
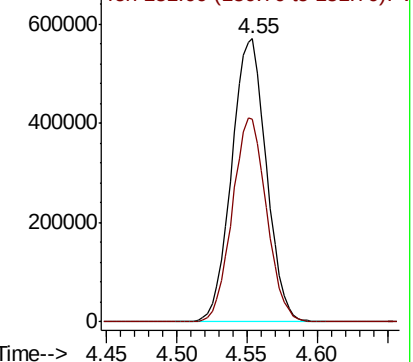
101 100

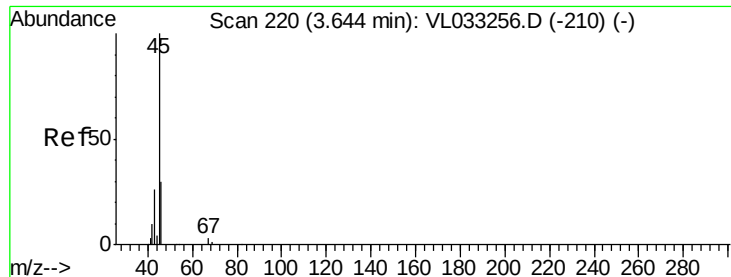
151 71.2 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

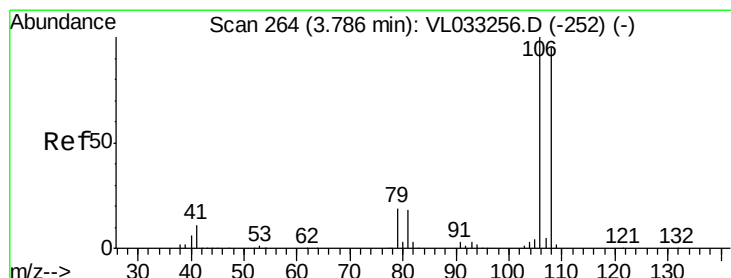
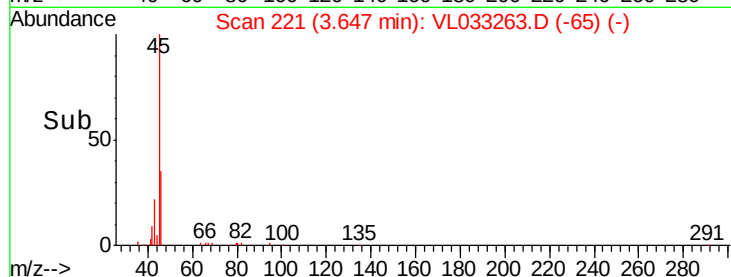
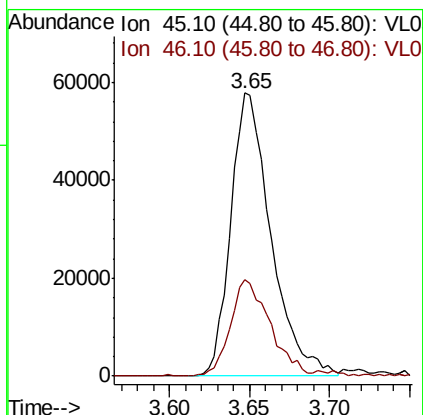
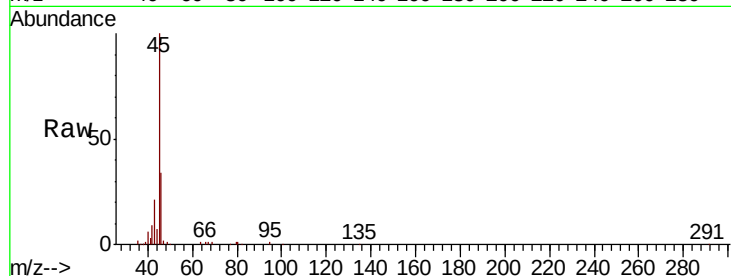




#13
Ethanol
Concen: 7.286 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

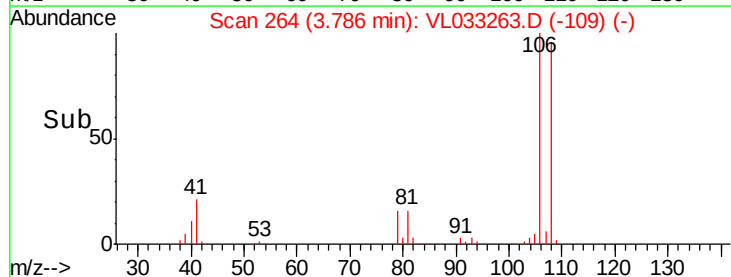
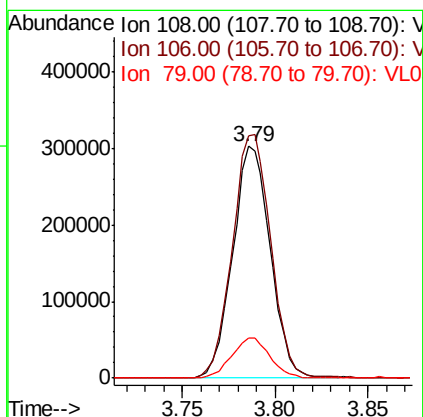
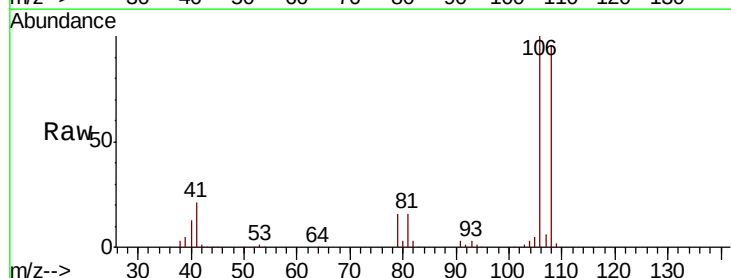
Instrument :
MSVOA_L
ClientSampleId :
BFB

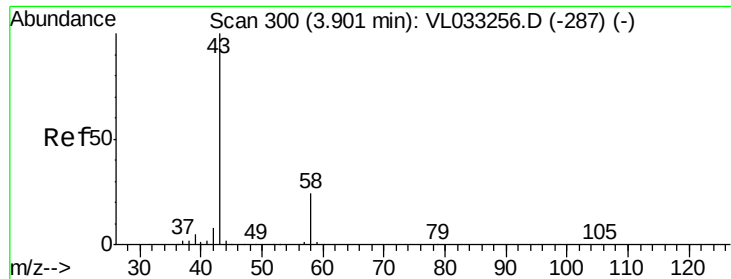
Tgt Ion: 45 Resp: 99057
Ion Ratio Lower Upper
45 100
46 35.1 14.9 59.7



#14
Bromoethene
Concen: 10.223 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

Tgt Ion: 108 Resp: 427501
Ion Ratio Lower Upper
108 100
106 107.8 86.9 130.3
79 17.9 15.8 23.6





#15

Acetone

Concen: 9.185 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

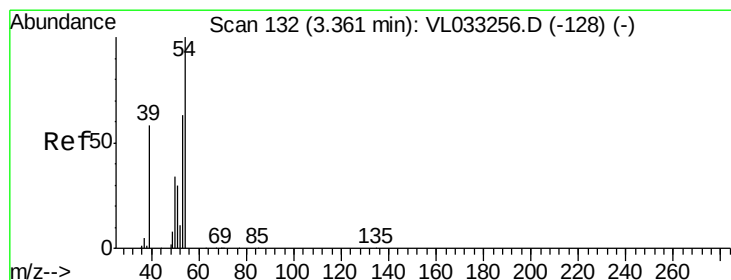
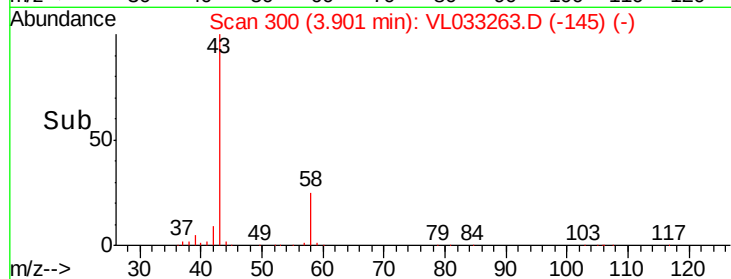
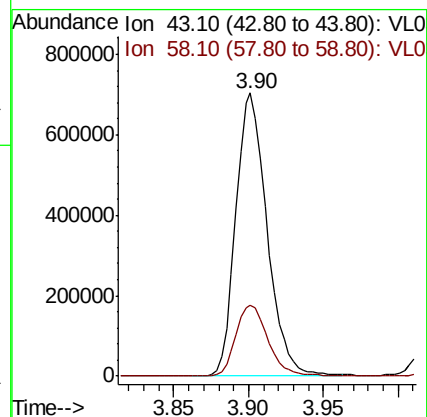
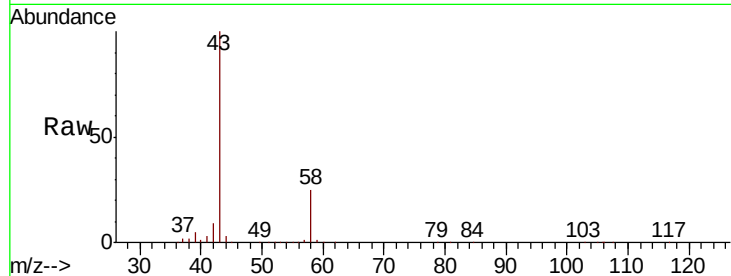
BFB

Tgt Ion: 43 Resp: 1023233

Ion Ratio Lower Upper

43 100

58 25.9 20.2 30.2



#16

1,3-Butadiene

Concen: 10.602 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033263.D

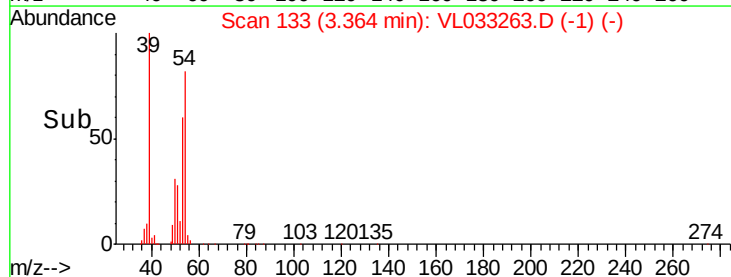
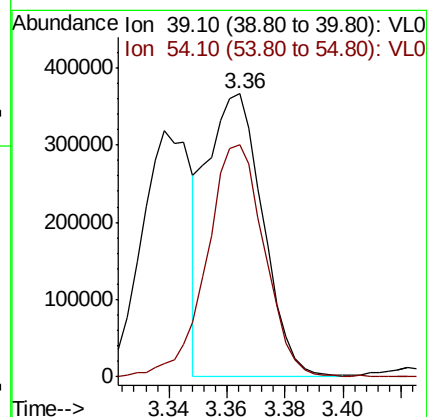
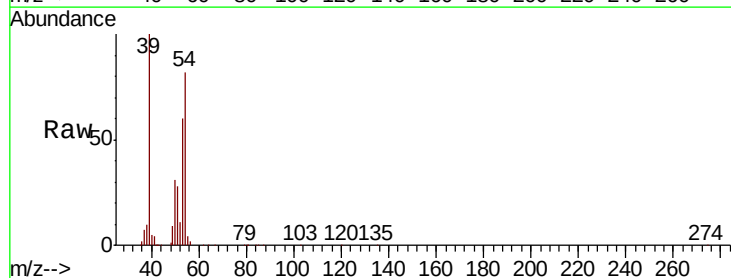
Acq: 8 Mar 2019 17:14

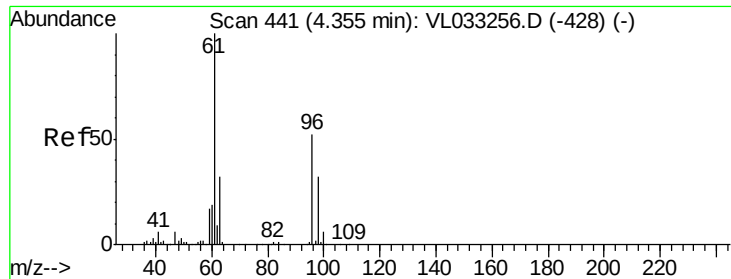
Tgt Ion: 39 Resp: 489910

Ion Ratio Lower Upper

39 100

54 85.6 68.6 103.0



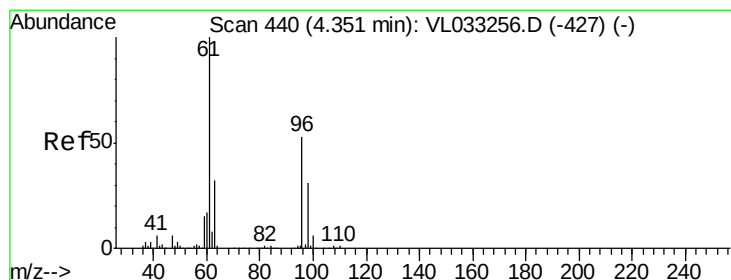
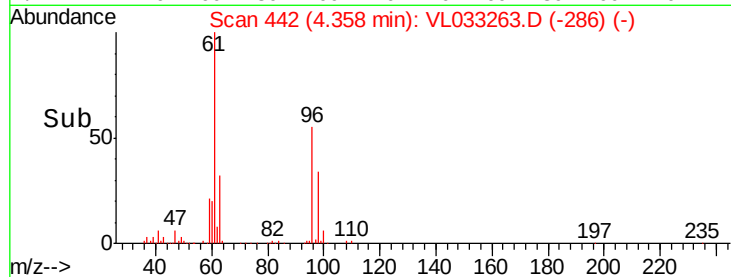
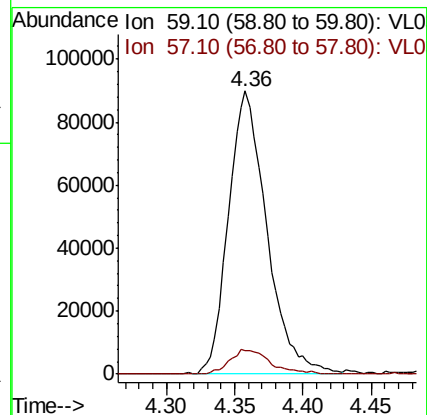
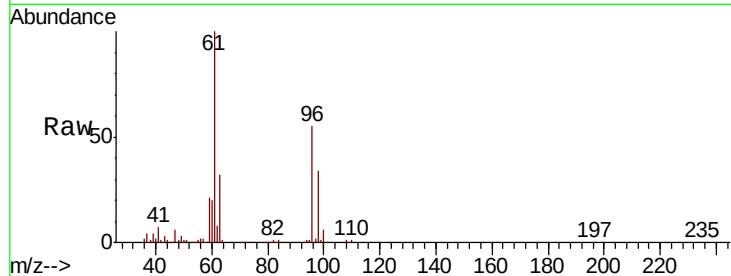


#17

tert-Butyl alcohol
 Concen: 9.666 ppbv
 RT: 4.36 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Instrument :
 MSVOA_L
 ClientSampled :
 BFB

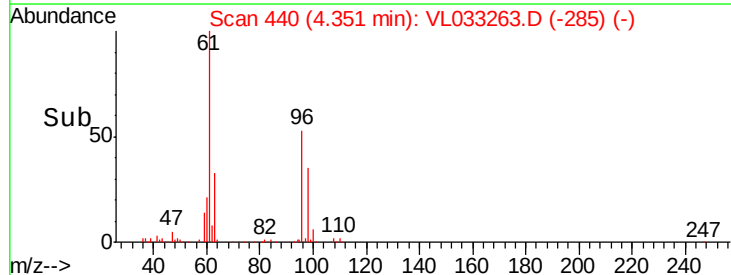
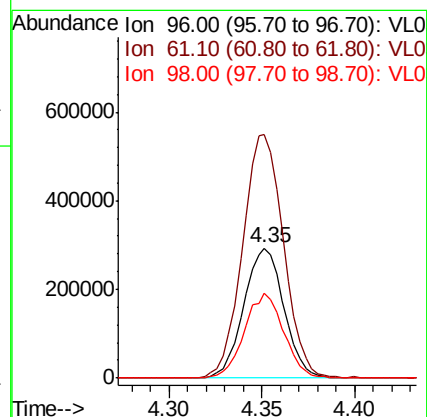
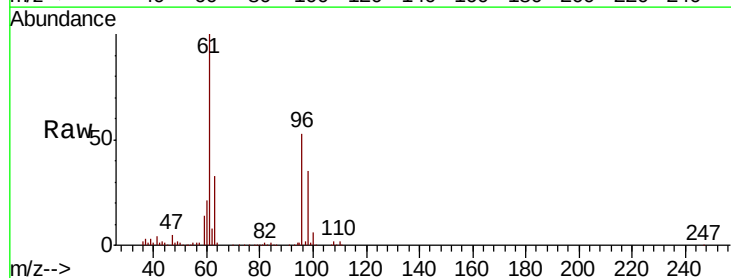
Tgt Ion: 59 Resp: 175610
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.2 10.8

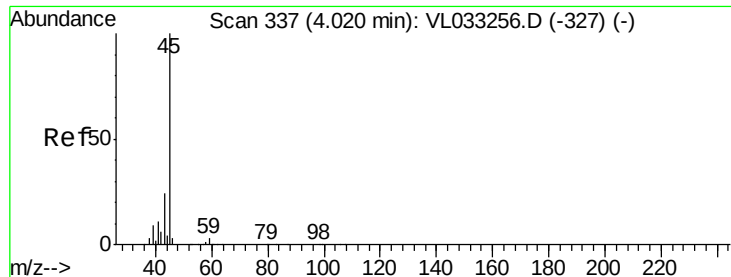


#18

1,1-Dichloroethene
 Concen: 9.877 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 96 Resp: 440514
 Ion Ratio Lower Upper
 96 100
 61 187.5 150.6 226.0
 98 65.5 47.0 70.4





#19

Isopropyl Alcohol

Concen: 9.041 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

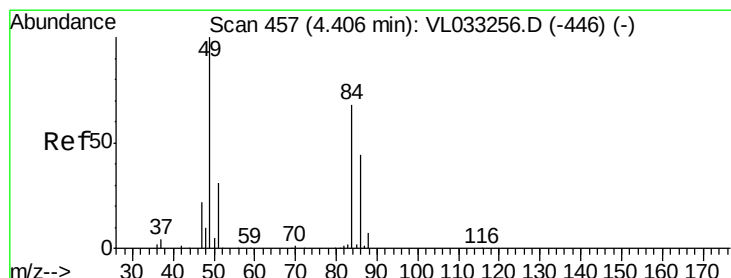
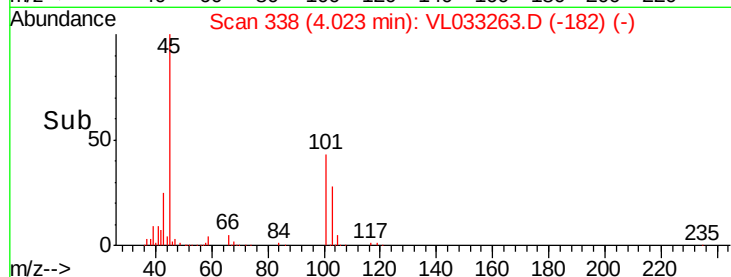
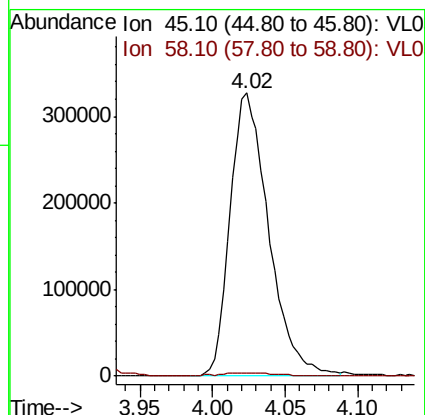
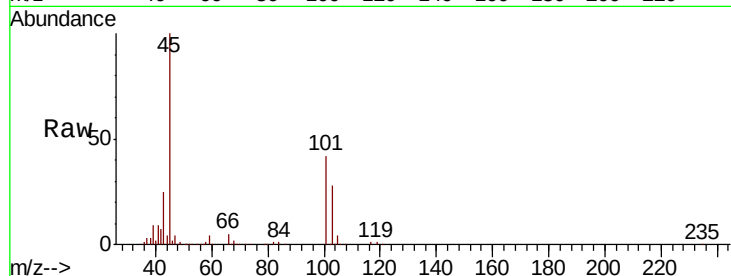
BFB

Tgt Ion: 45 Resp: 604747

Ion Ratio Lower Upper

45 100

58 1.7 1.5 2.3



#20

Methylene Chloride

Concen: 8.456 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Tgt Ion: 84 Resp: 386653

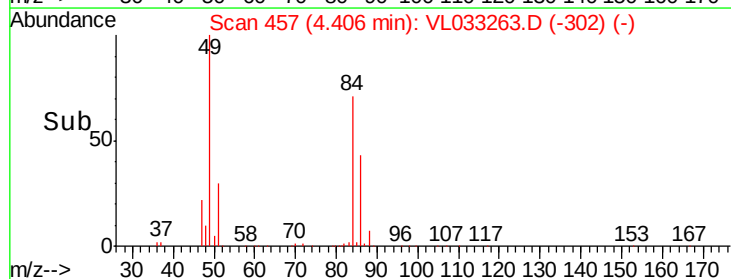
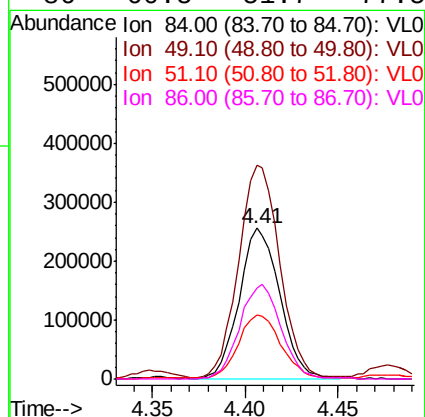
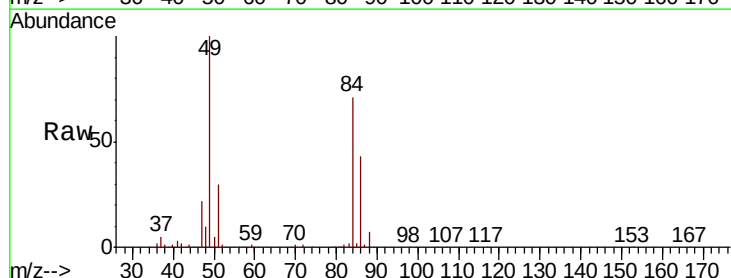
Ion Ratio Lower Upper

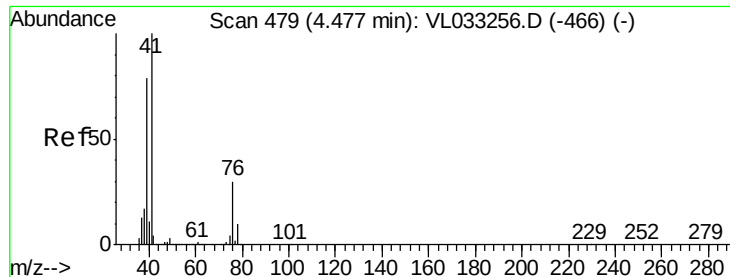
84 100

49 141.1 117.8 176.6

51 41.9 36.9 55.3

86 60.5 51.7 77.5

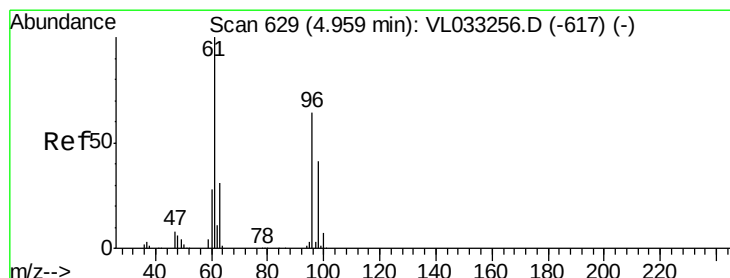
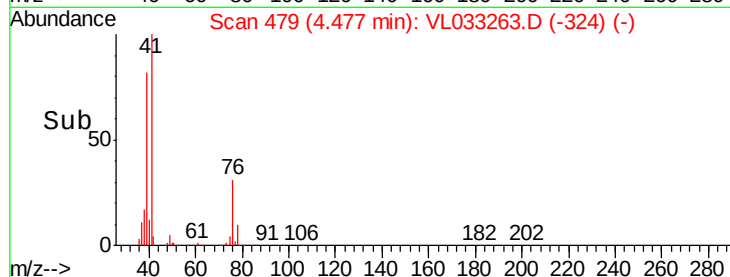
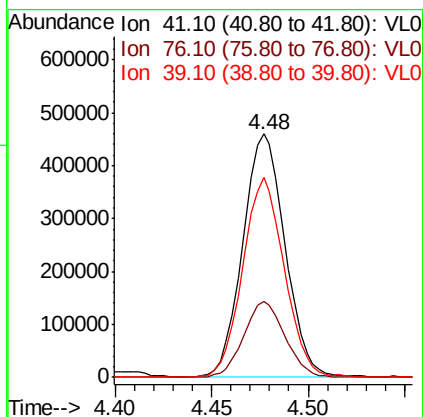
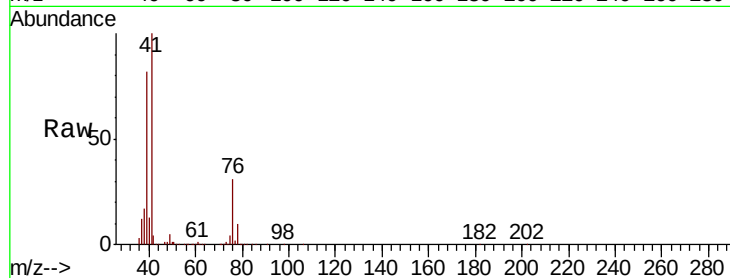




#21
 Allyl Chloride
 Concen: 10.382 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

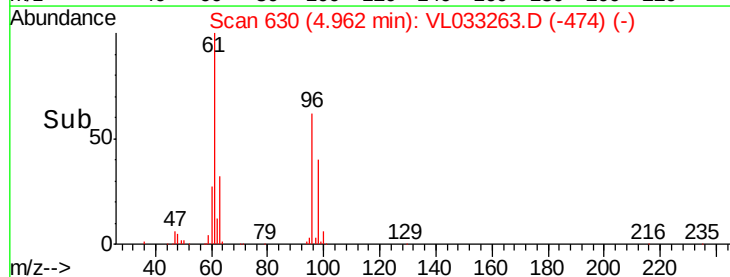
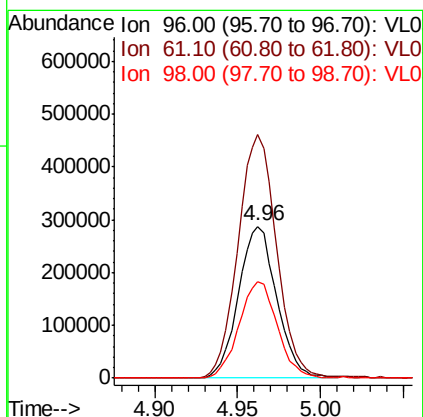
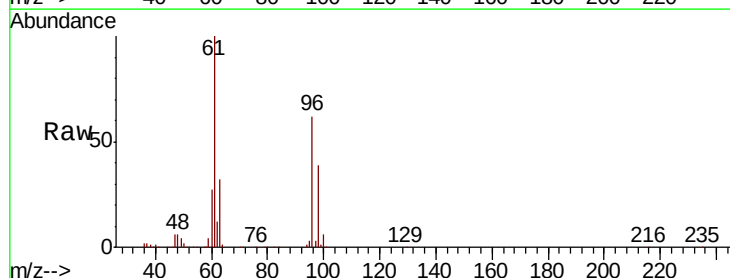
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

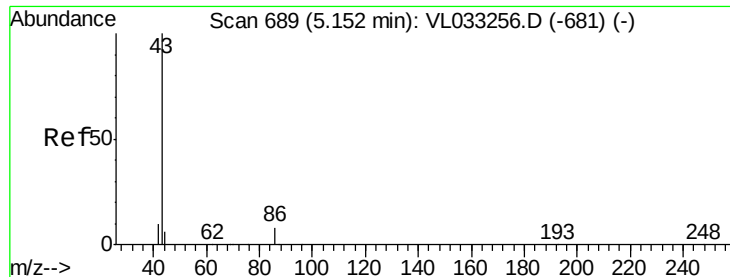
Tgt Ion: 41 Resp: 694647
 Ion Ratio Lower Upper
 41 100
 76 30.8 24.5 36.7
 39 81.4 65.3 97.9



#22
 trans-1,2-Dichloroethene
 Concen: 10.041 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 96 Resp: 459285
 Ion Ratio Lower Upper
 96 100
 61 160.5 125.7 188.5
 98 63.2 52.1 78.1



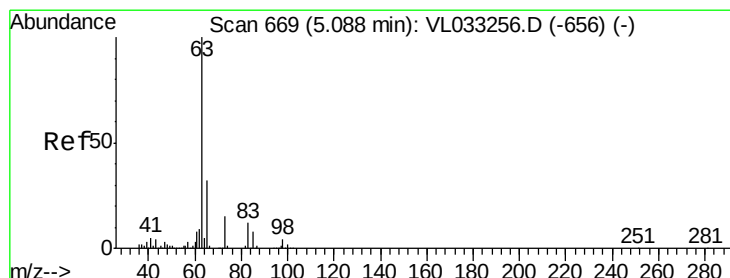
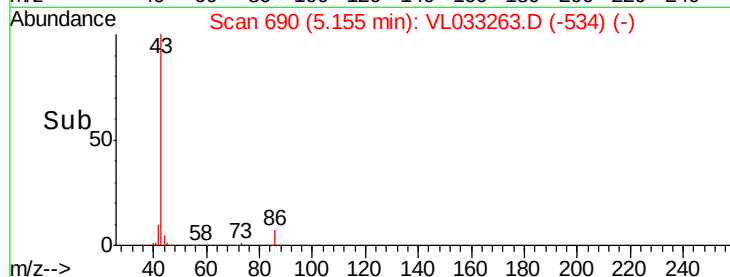
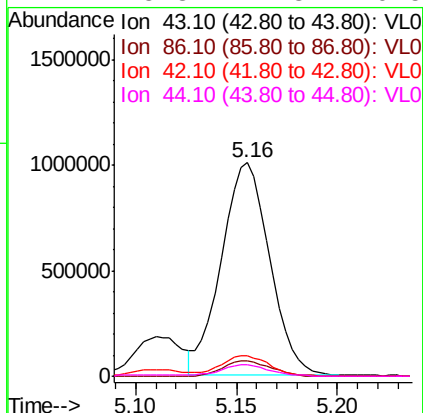
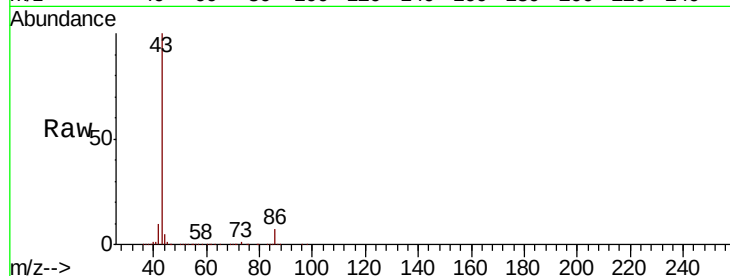


#23
 Vinyl Acetate
 Concen: 10.559 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion: 43 Resp: 1685123

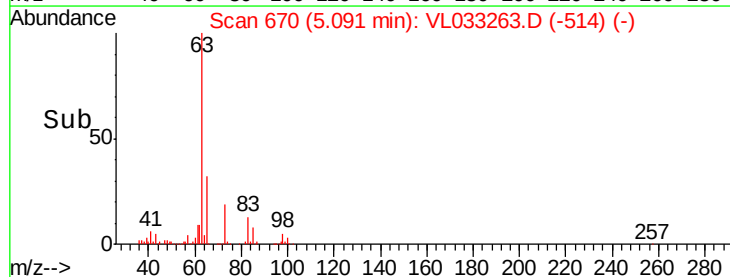
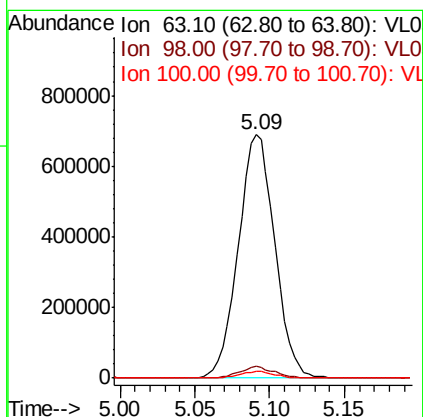
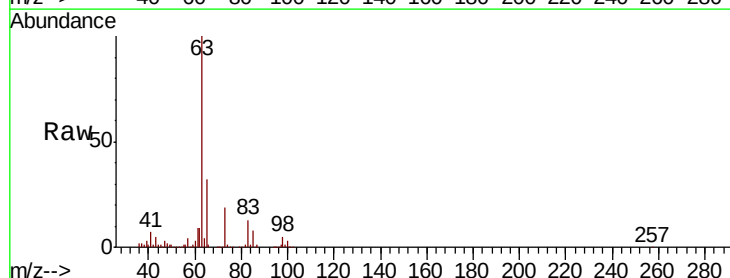
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.6	8.4
42	9.7	8.1	12.1
44	5.3	4.3	6.5

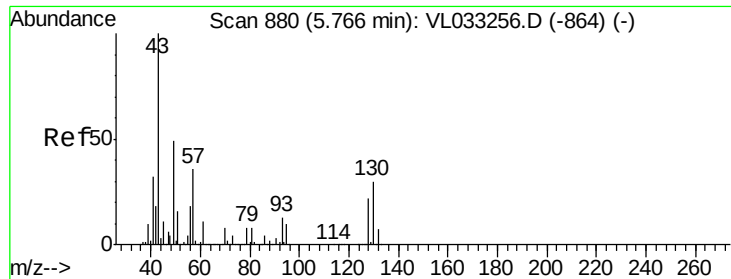


#24
 1,1-Dichloroethane
 Concen: 9.971 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 63 Resp: 1168166

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.2
100	2.8	1.3	3.8



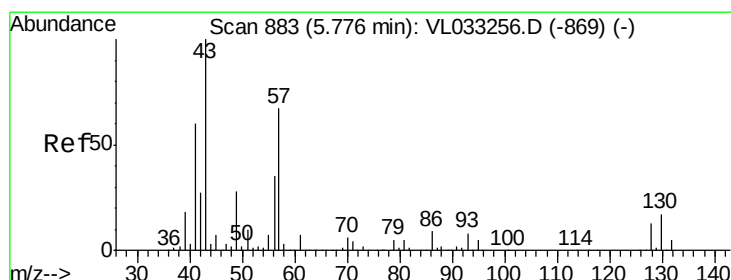
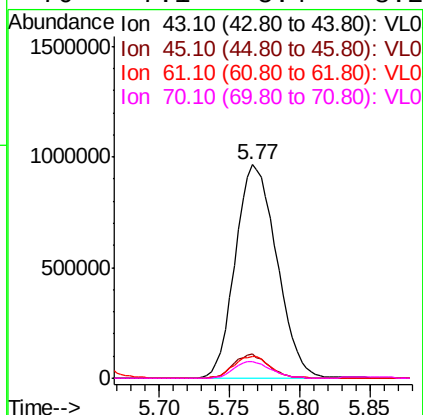
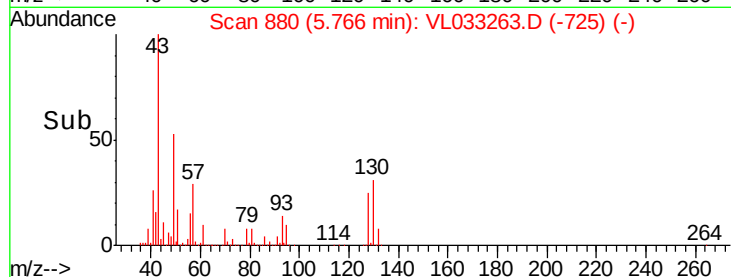
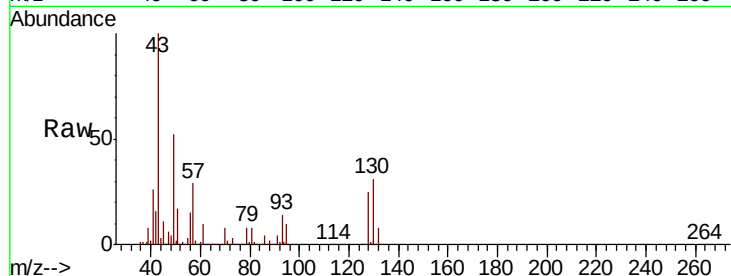


#25
Ethyl Acetate
Concen: 9.326 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

Instrument :
MSVOA_L
ClientSampled :
BFB

Tgt Ion: 43 Resp: 1984192

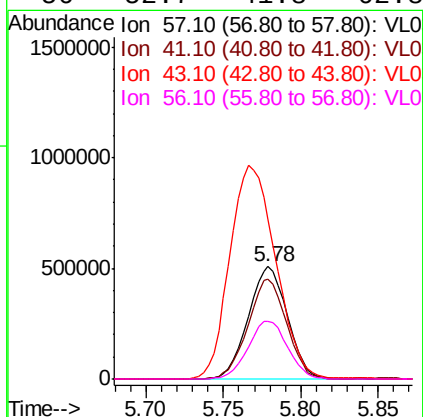
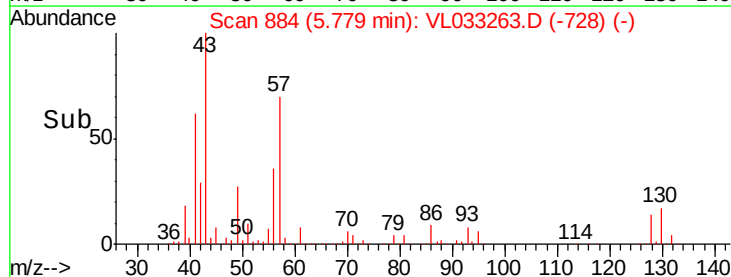
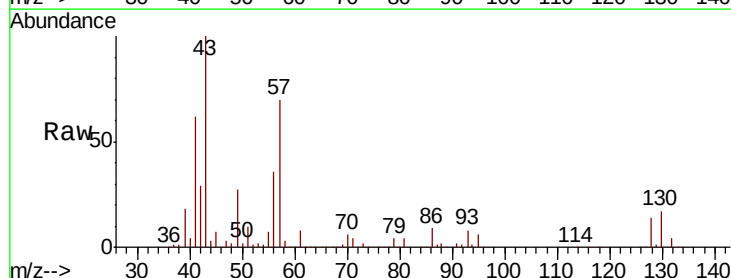
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.2	7.4	11.0
70	7.1	5.4	8.2

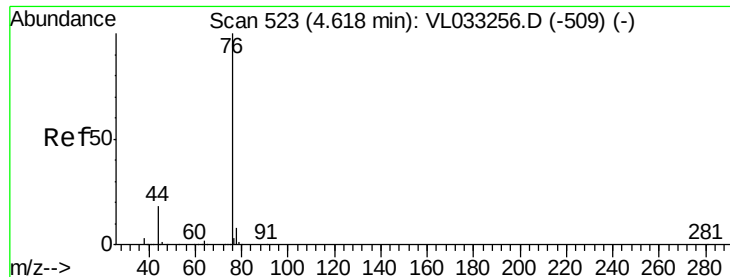


#26
Hexane
Concen: 8.873 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

Tgt Ion: 57 Resp: 889510

Ion	Ratio	Lower	Upper
57	100		
41	88.4	72.2	108.4
43	224.7	179.0	268.4
56	52.7	41.8	62.8





#27

Carbon Disulfide

Concen: 11.086 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

BFB

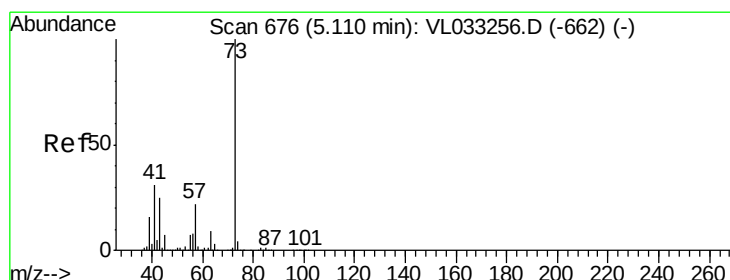
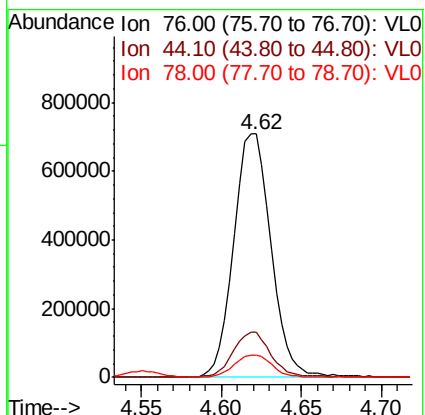
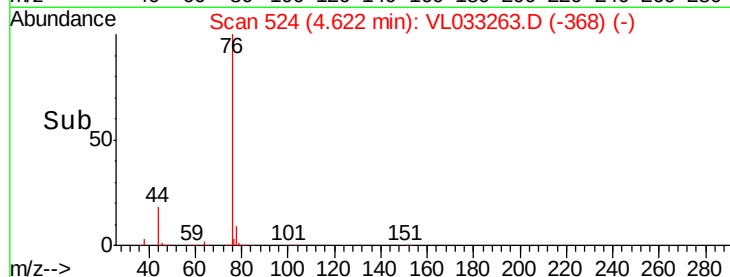
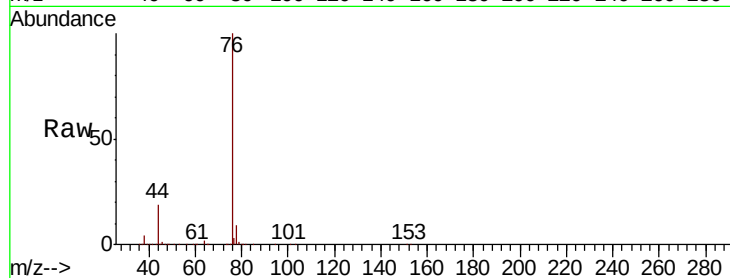
Tgt Ion: 76 Resp: 1125568

Ion Ratio Lower Upper

76 100

44 18.0 14.8 22.2

78 9.3 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 10.533 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033263.D

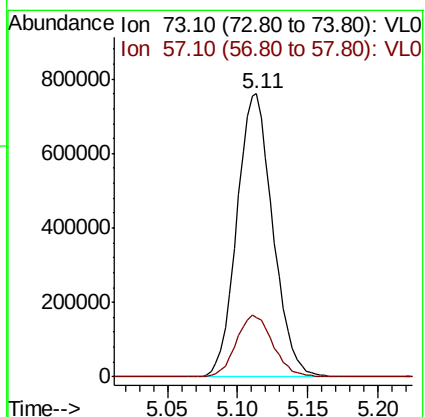
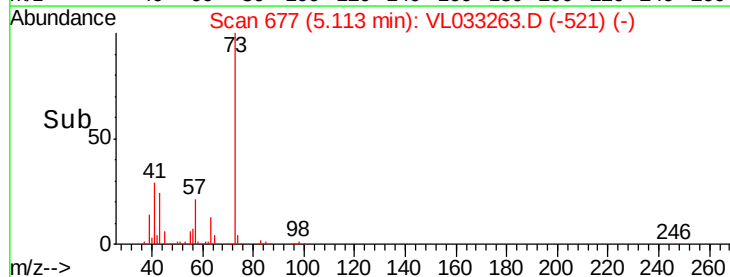
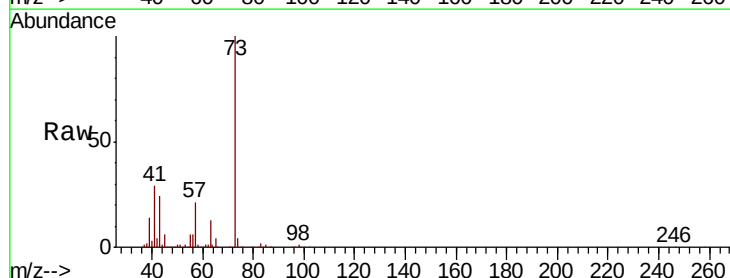
Acq: 8 Mar 2019 17:14

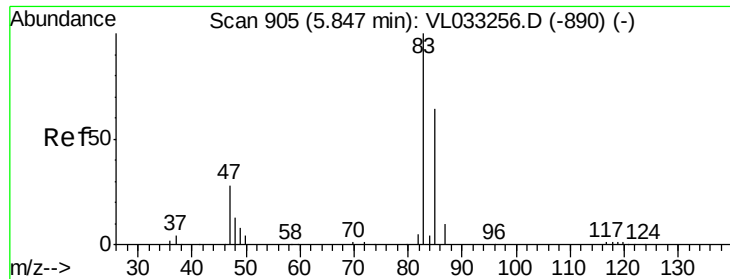
Tgt Ion: 73 Resp: 1356534

Ion Ratio Lower Upper

73 100

57 22.4 17.7 26.5

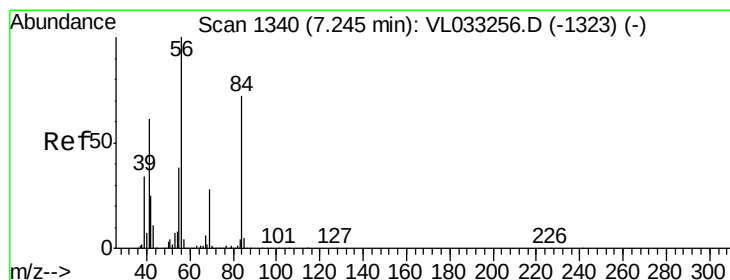
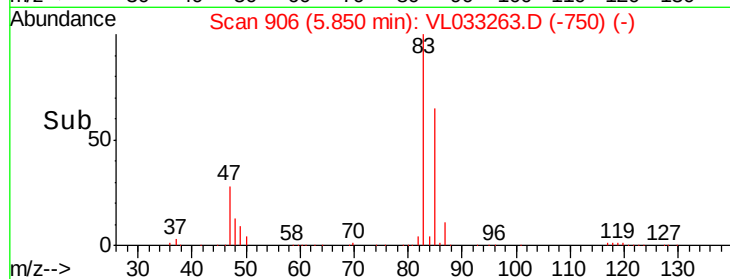
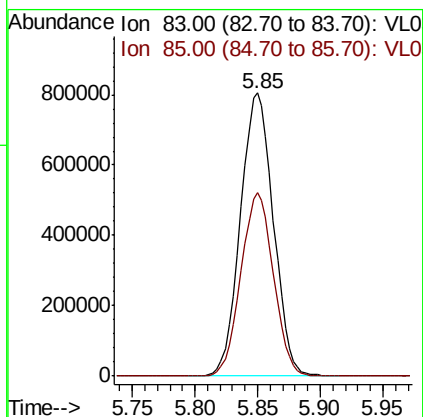
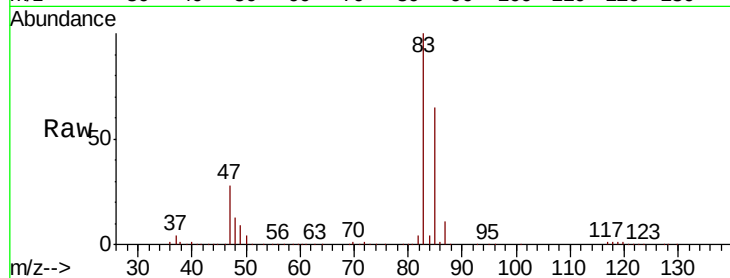




#29
Chloroform
Concen: 9.602 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

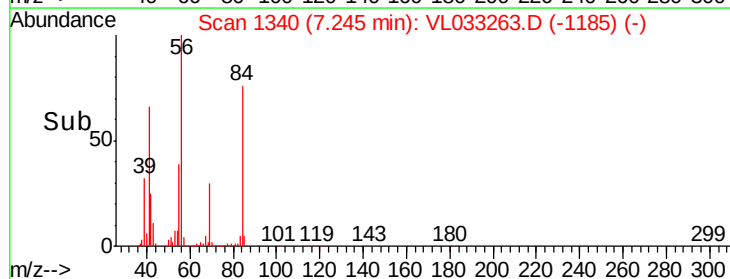
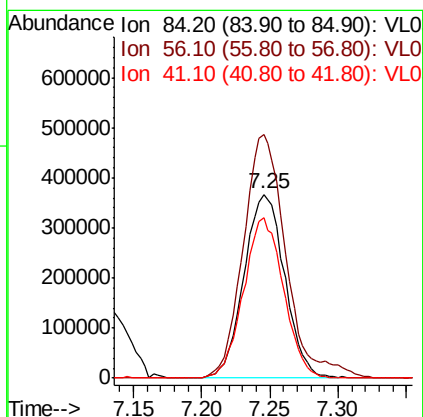
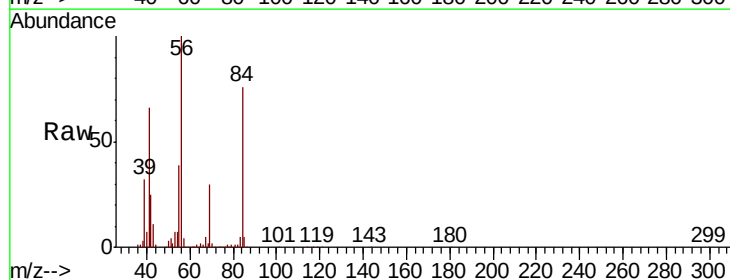
Instrument :
MSVOA_L
ClientSampleId :
BFB

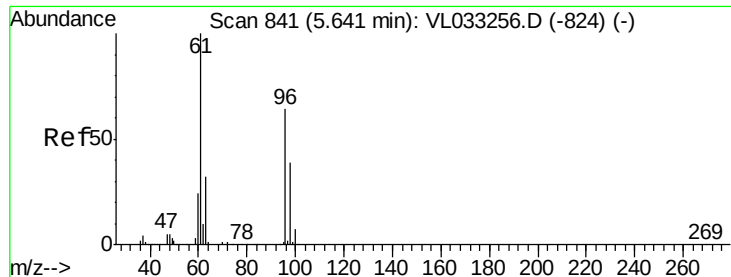
Tgt Ion: 83 Resp: 1469035
Ion Ratio Lower Upper
83 100
85 64.9 51.0 76.6



#30
Cyclohexane
Concen: 9.790 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

Tgt Ion: 84 Resp: 759851
Ion Ratio Lower Upper
84 100
56 139.3 113.4 170.2
41 85.7 70.2 105.4



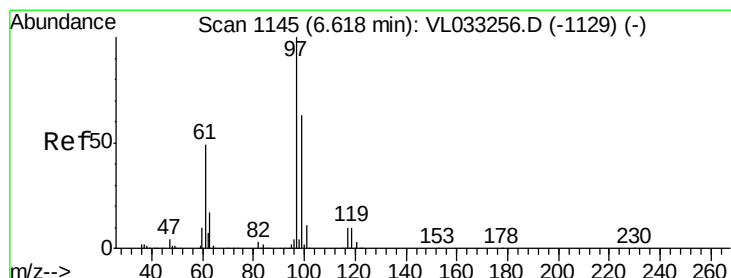
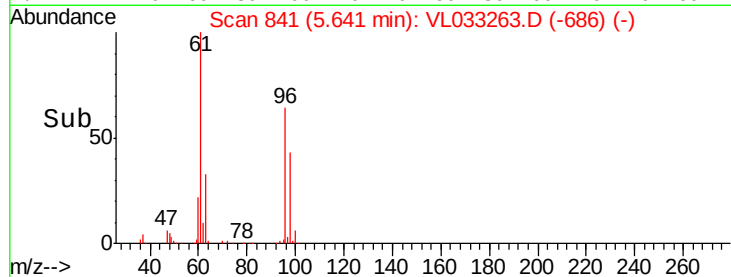
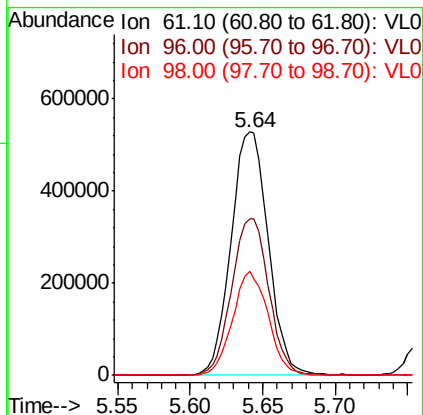
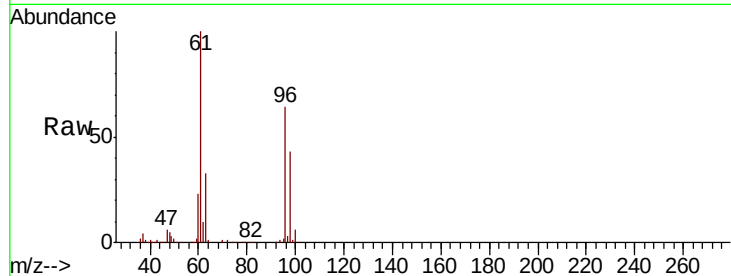


#31

cis-1,2-Dichloroethene
 Concen: 9.938 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

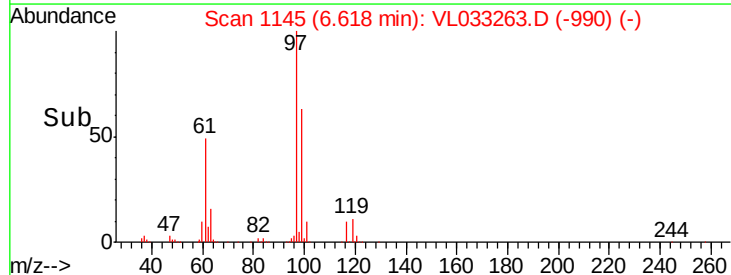
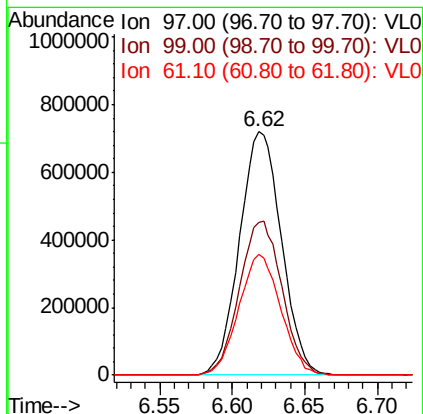
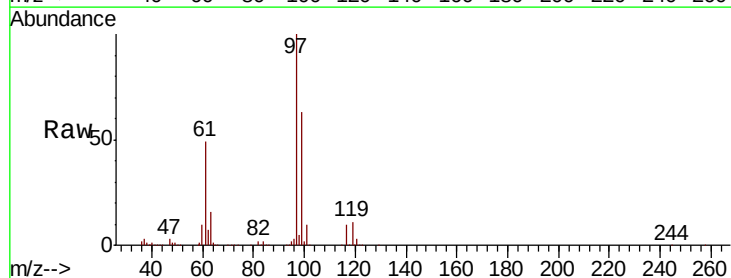
Tgt Ion: 61 Resp: 943732
 Ion Ratio Lower Upper
 61 100
 96 64.3 51.2 76.8
 98 42.5 30.8 46.2

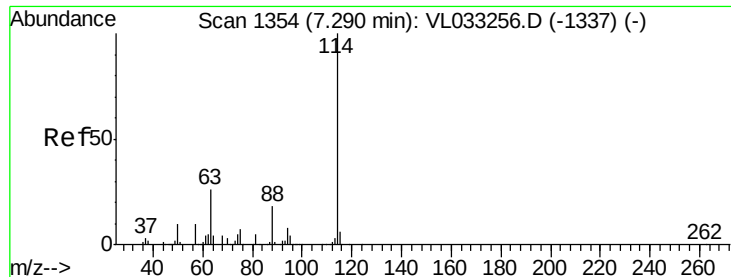


#32

1,1,1-Trichloroethane
 Concen: 10.034 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 97 Resp: 1449671
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.6 77.4
 61 49.5 40.8 61.2

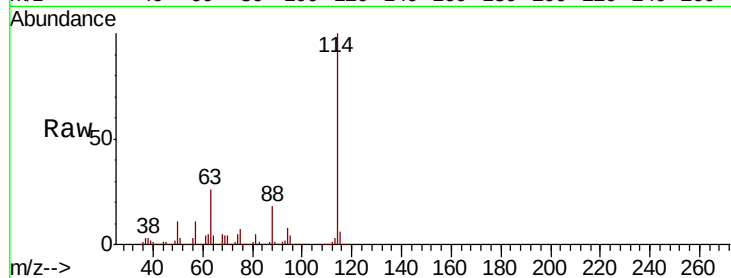




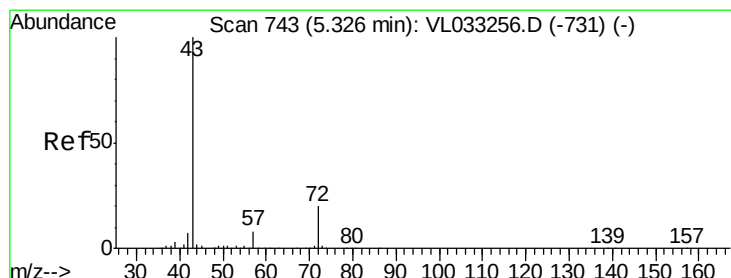
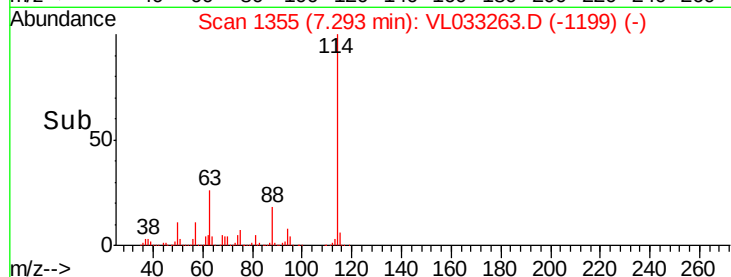
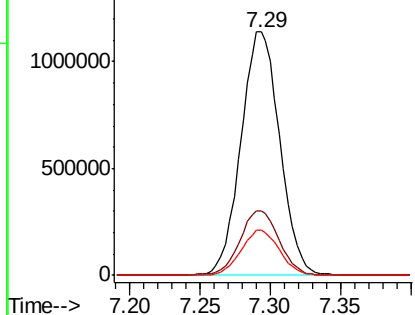
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:114 Resp: 2199903
 Ion Ratio Lower Upper
 114 100
 63 26.8 22.2 33.2
 88 18.4 14.6 22.0

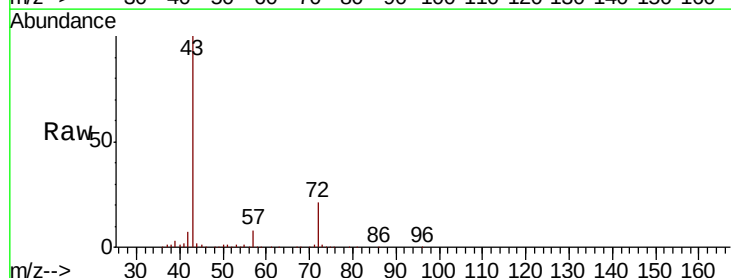


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

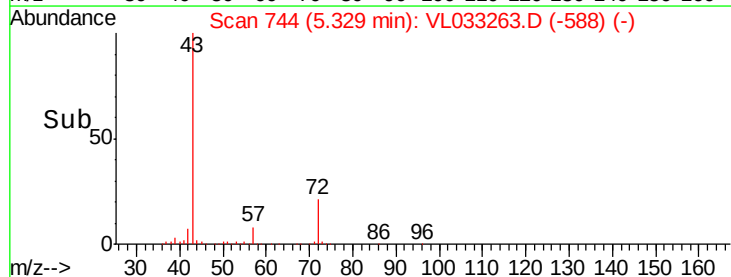
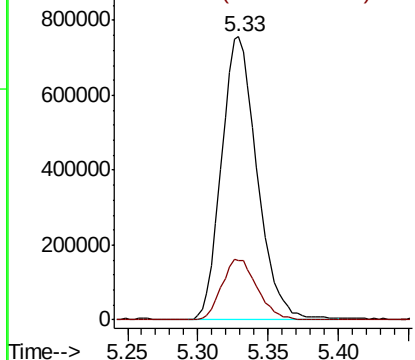


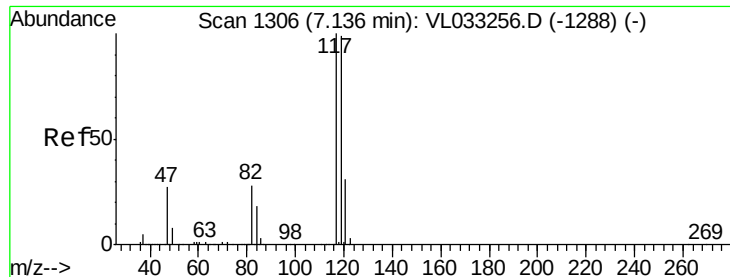
#34
 2-Butanone
 Concen: 9.976 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 43 Resp: 1326774
 Ion Ratio Lower Upper
 43 100
 72 21.7 16.9 25.3



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





#35

Carbon Tetrachloride

Concen: 10.141 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

BFB

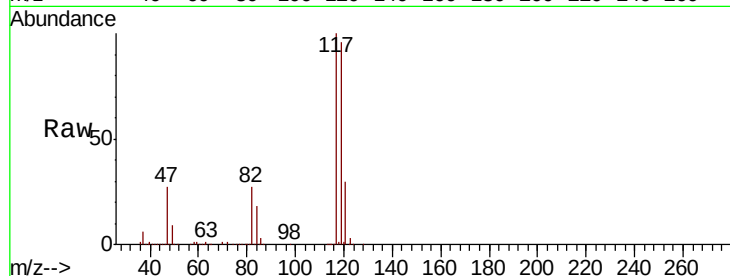
Tgt Ion:117 Resp: 1514243

Ion Ratio Lower Upper

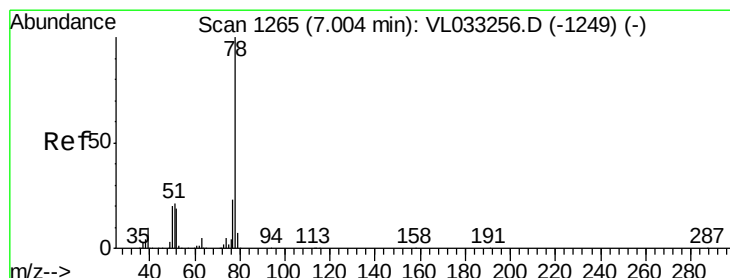
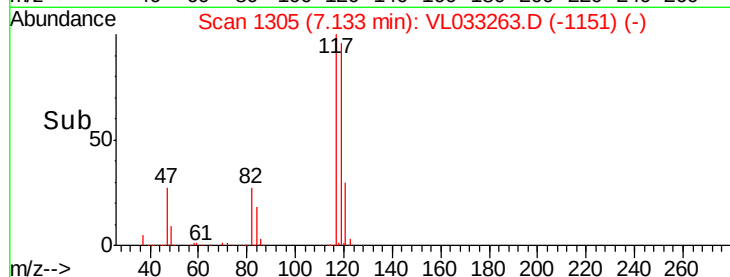
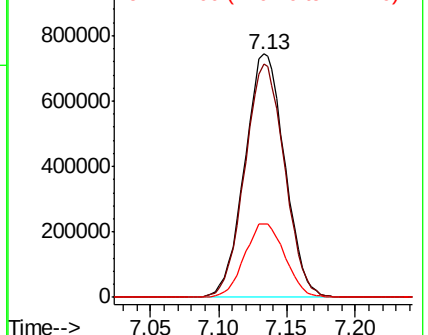
117 100

119 95.8 79.0 118.6

121 30.0 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.149 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

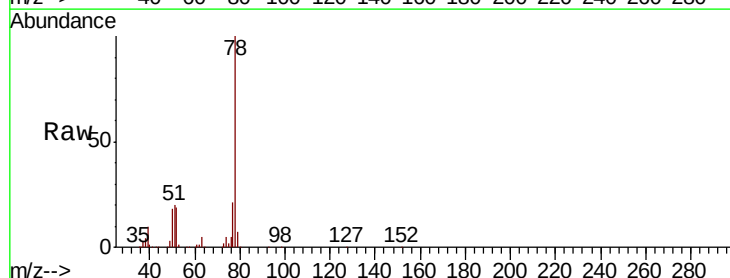
Tgt Ion: 78 Resp: 1922089

Ion Ratio Lower Upper

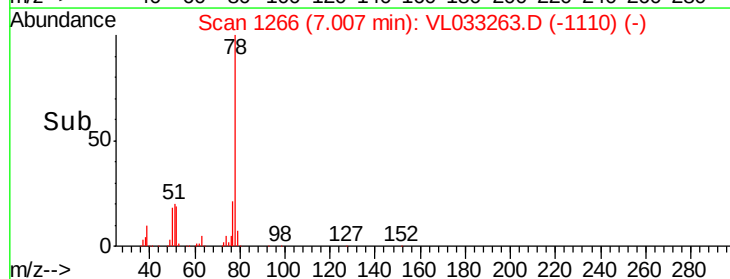
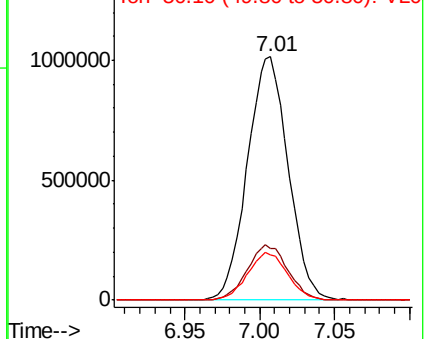
78 100

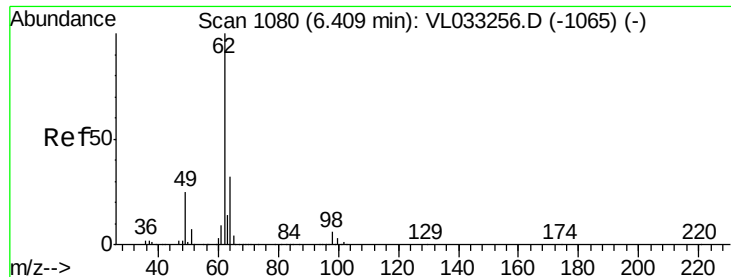
77 21.2 18.2 27.2

50 18.4 16.2 24.2



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

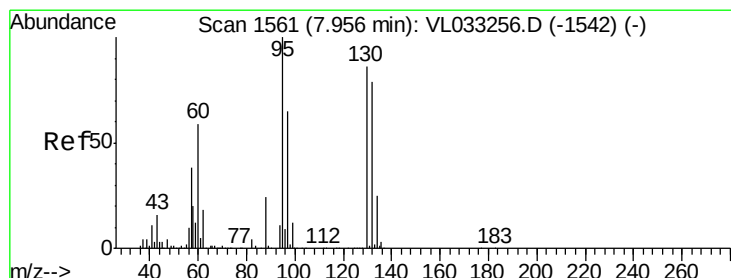
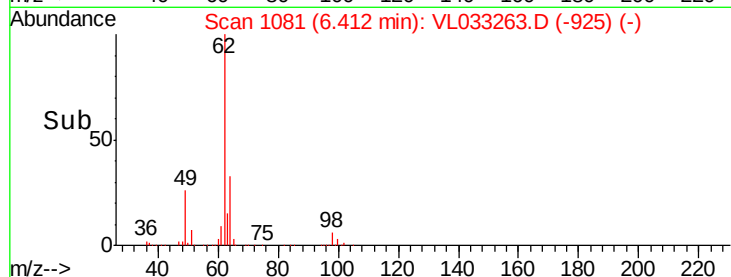
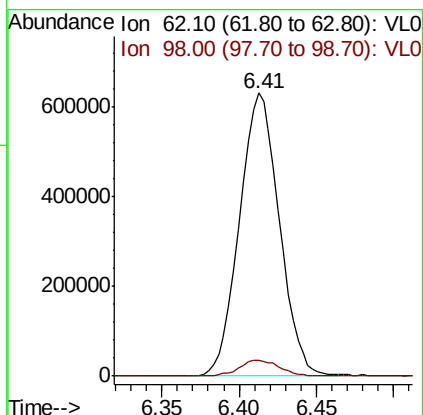
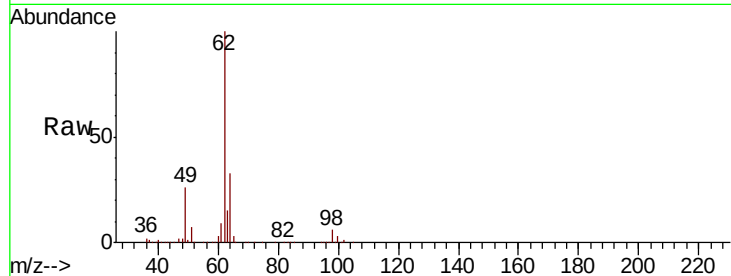




#37
 1,2-Dichloroethane
 Concen: 9.245 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

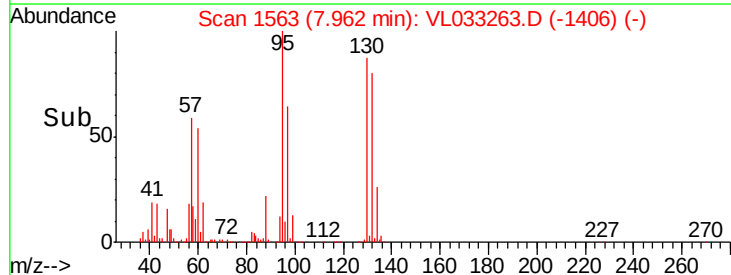
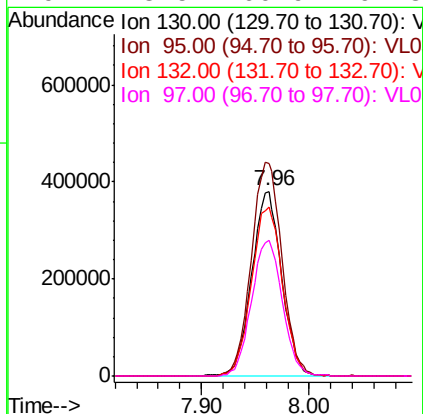
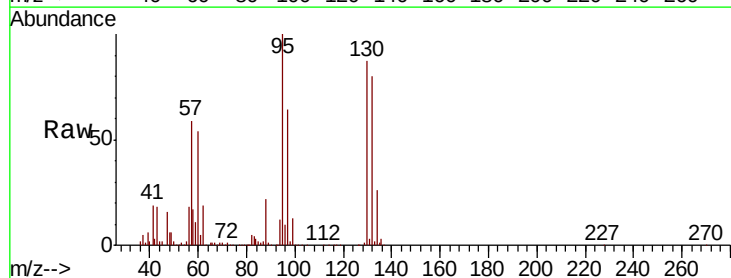
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

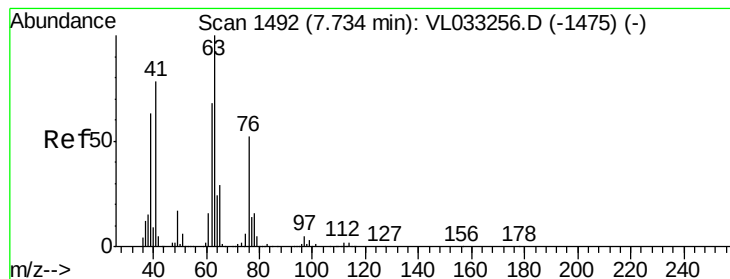
Tgt Ion: 62 Resp: 1127384
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7



#38
 Trichloroethene
 Concen: 9.967 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 130 Resp: 732492
 Ion Ratio Lower Upper
 130 100
 95 114.6 93.4 140.0
 132 91.3 74.0 111.0
 97 73.5 60.9 91.3





#39

1,2-Dichloropropane

Concen: 10.034 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampled :

BFB

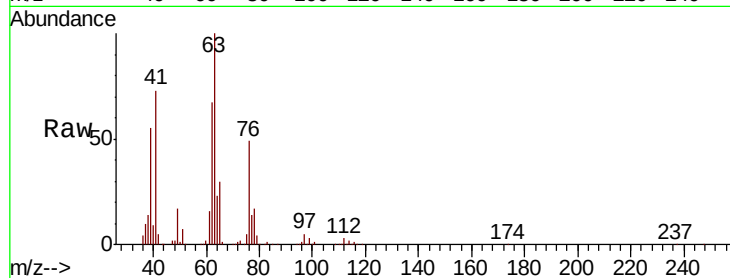
Tgt Ion: 63 Resp: 746133

Ion Ratio Lower Upper

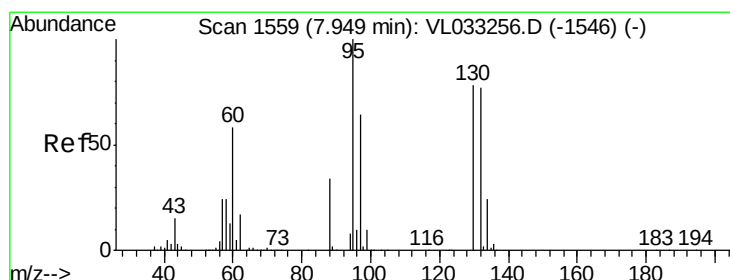
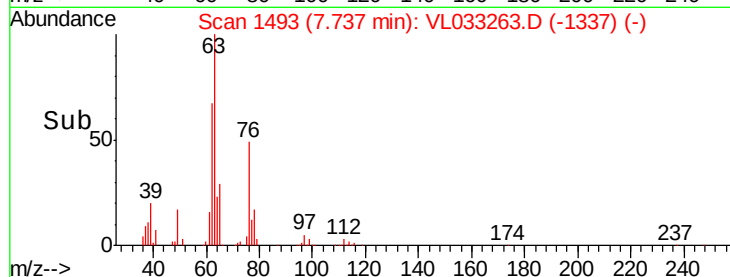
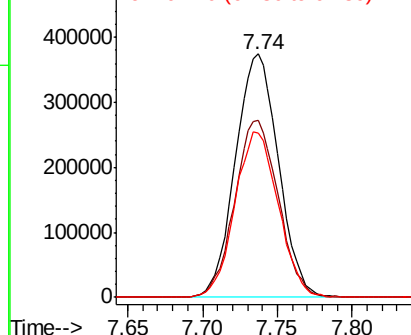
63 100

41 72.7 62.6 94.0

62 67.3 54.6 81.8



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: 9.411 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Tgt Ion: 88 Resp: 257915

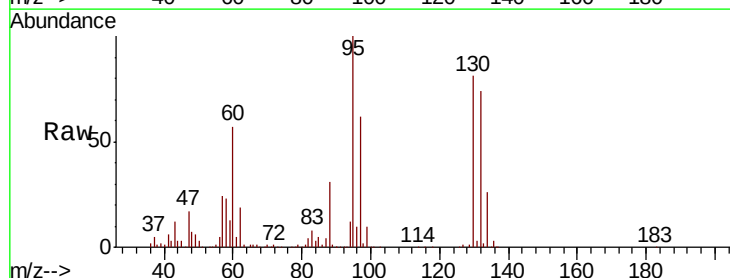
Ion Ratio Lower Upper

88 100

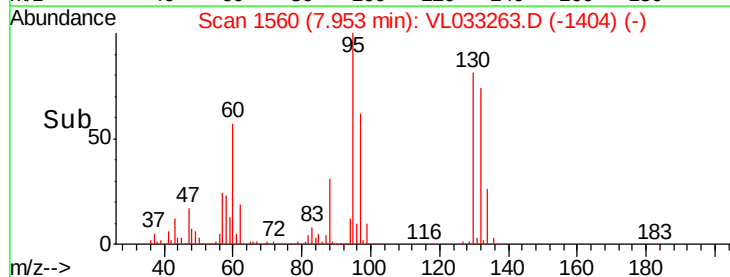
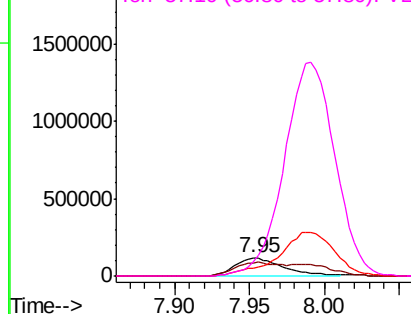
58 130.1 108.4 162.6

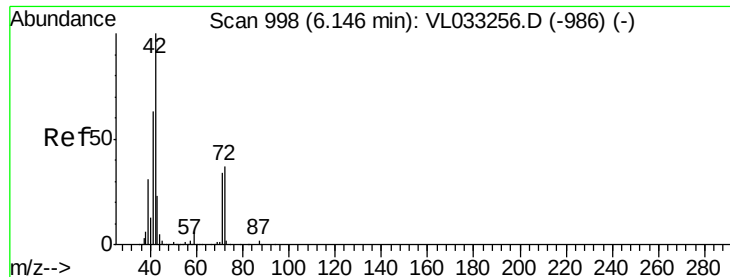
43 0.0 232.3 348.5#

57 0.0 1007.8 1511.8#



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: 10.379 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampled :

BFB

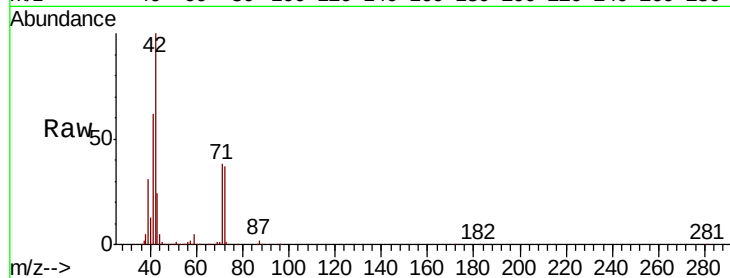
Tgt Ion: 42 Resp: 779918

Ion Ratio Lower Upper

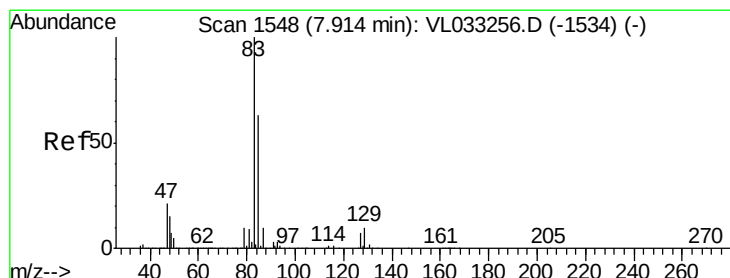
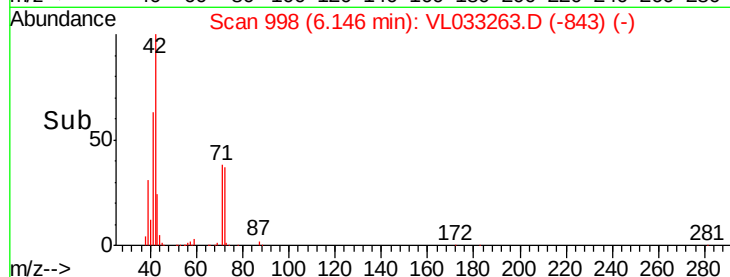
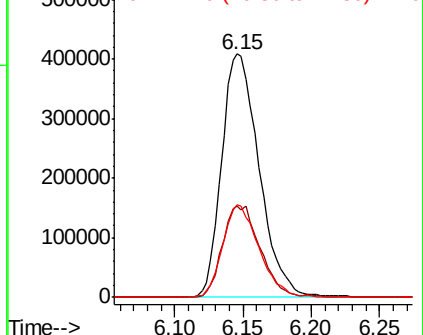
42 100

72 38.1 30.2 45.2

71 37.0 29.0 43.6



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: 10.144 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

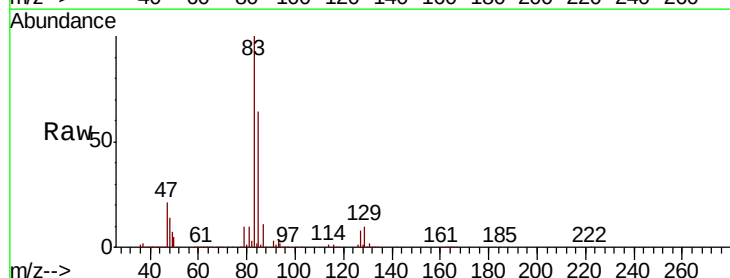
Tgt Ion: 83 Resp: 1685008

Ion Ratio Lower Upper

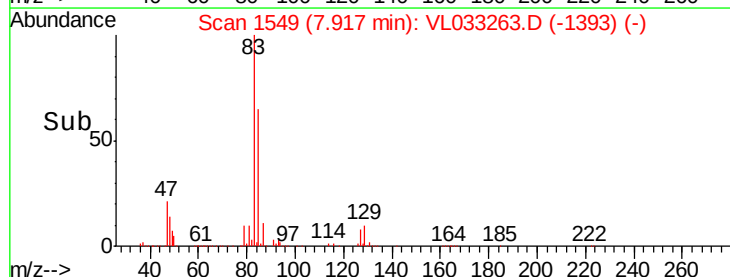
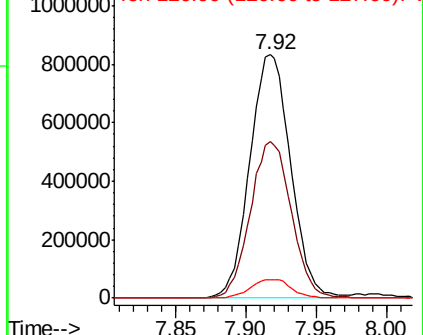
83 100

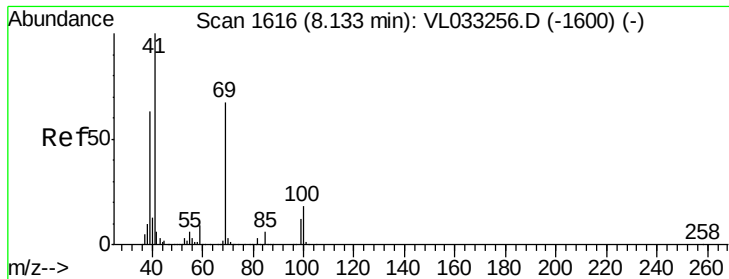
85 64.5 50.1 75.1

127 7.6 5.9 8.9



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

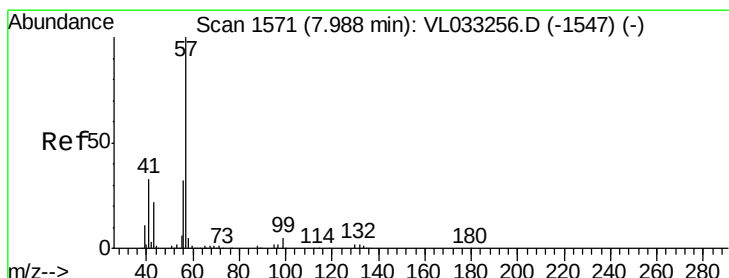
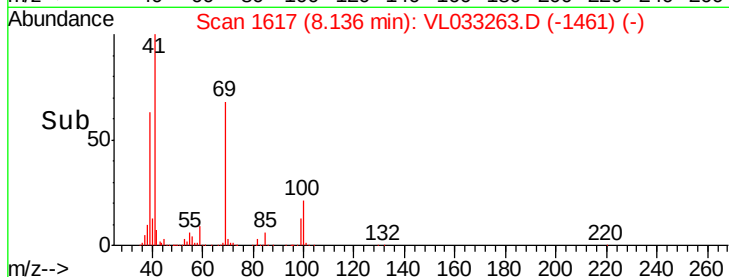
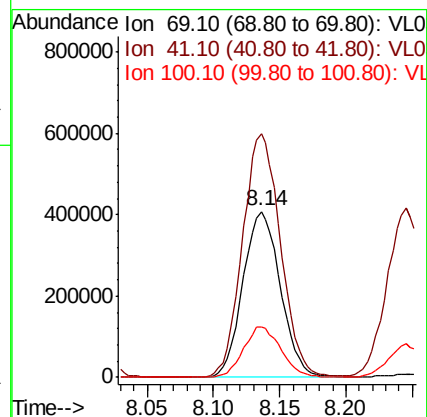
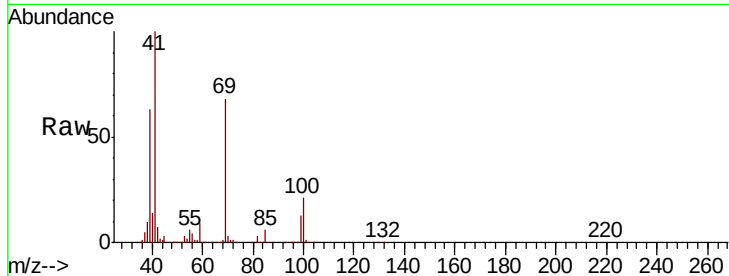




#43
Methyl Methacrylate
Concen: 10.512 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

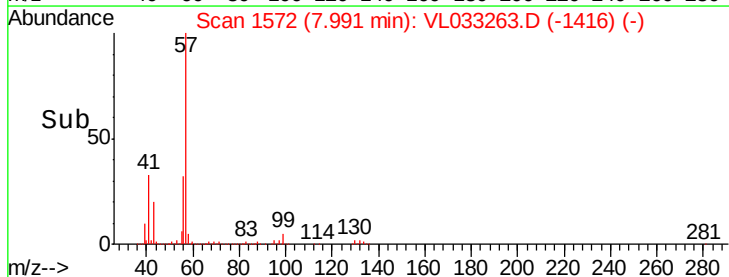
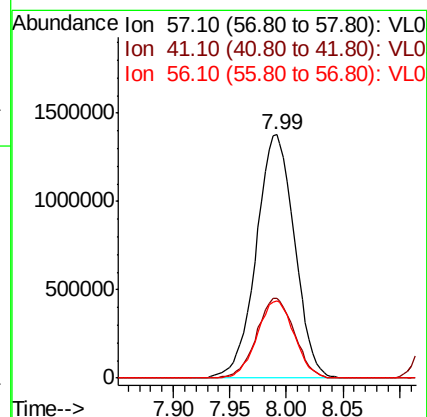
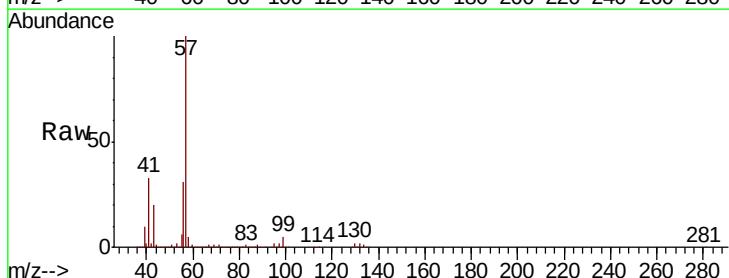
Instrument :
MSVOA_L
ClientSampleId :
BFB

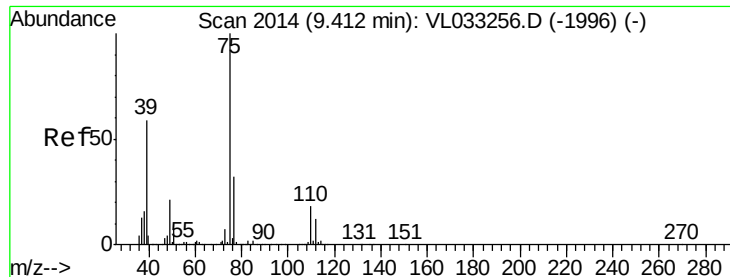
Tgt Ion: 69 Resp: 800962
Ion Ratio Lower Upper
69 100
41 148.7 120.3 180.5
100 30.4 23.5 35.3



#44
2,2,4-Trimethylpentane
Concen: 9.637 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

Tgt Ion: 57 Resp: 3243623
Ion Ratio Lower Upper
57 100
41 32.4 26.4 39.6
56 30.9 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 11.400 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

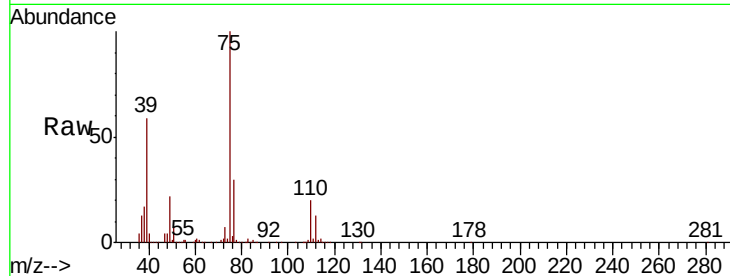
BFB

Tgt Ion: 75 Resp: 1052008

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.42

600000

500000

400000

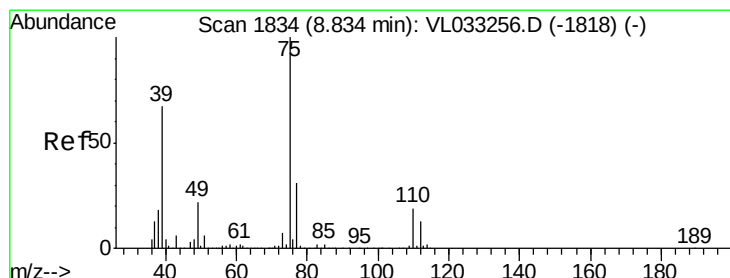
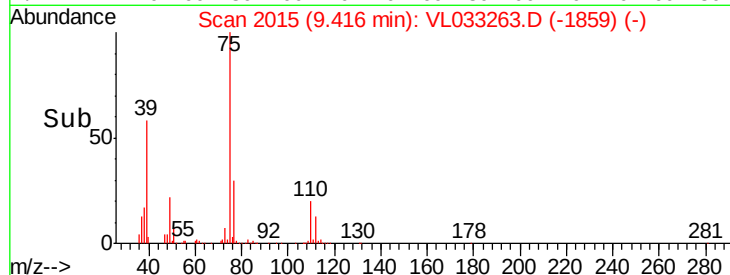
300000

200000

100000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#46

cis-1,3-Dichloropropene

Concen: 10.968 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

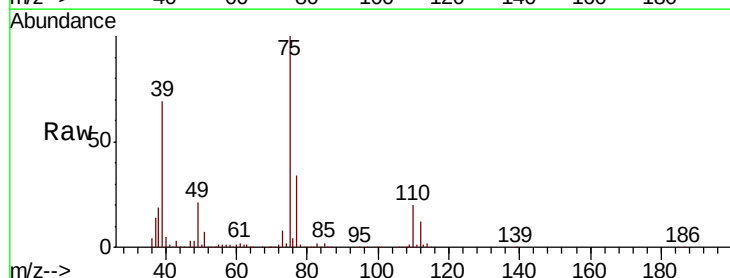
Tgt Ion: 75 Resp: 1191272

Ion Ratio Lower Upper

75 100

39 69.3 53.8 80.6

77 33.8 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

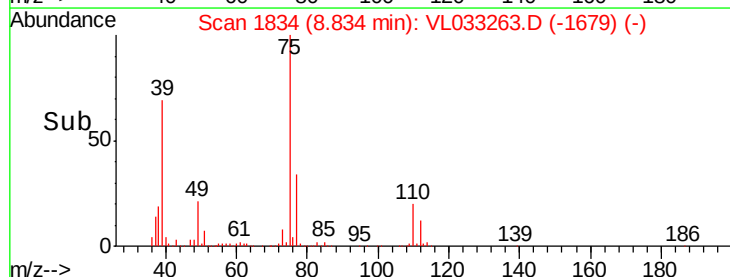
600000

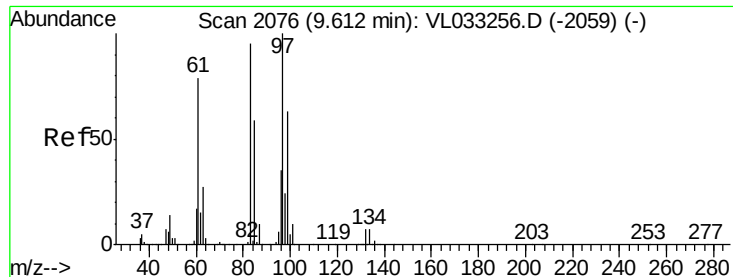
400000

200000

0

Time--> 8.75 8.80 8.85 8.90

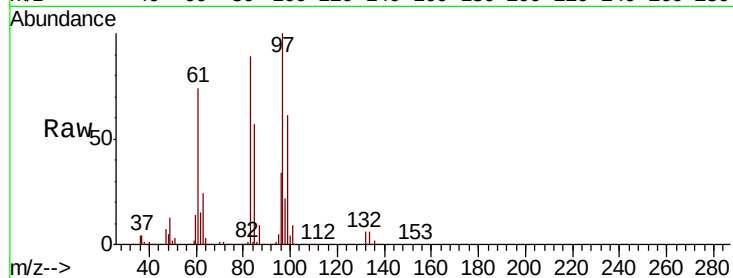




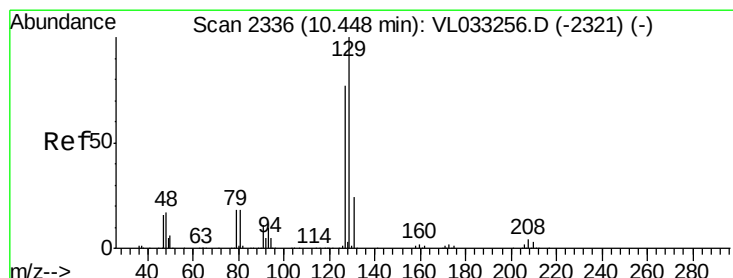
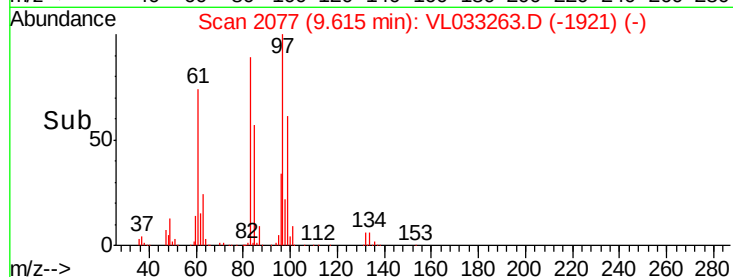
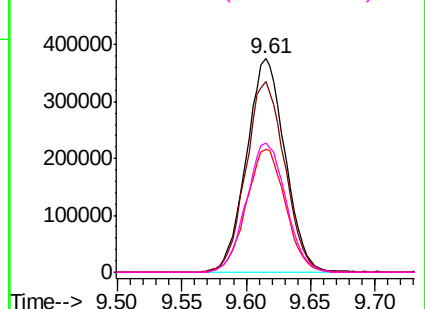
#47
 1,1,2-Trichloroethane
 Concen: 9.811 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Instrument :
 MSVOA_L
 ClientSampled :
 BFB

Tgt Ion: 97 Resp: 782997
 Ion Ratio Lower Upper
 97 100
 83 89.0 75.8 113.8
 85 57.4 47.5 71.3
 99 60.6 50.2 75.2

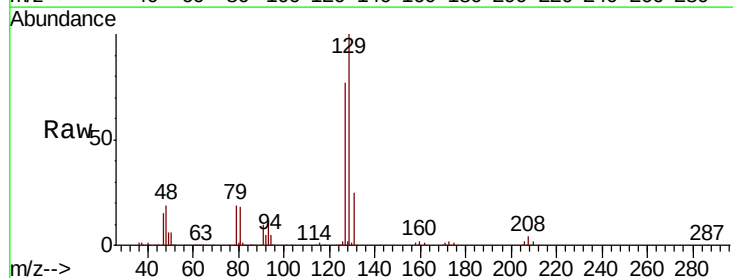


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

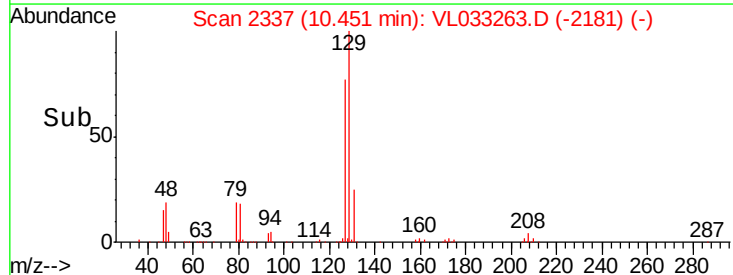
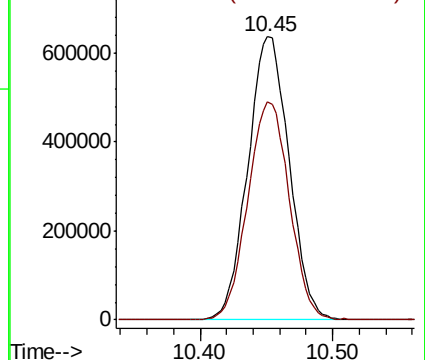


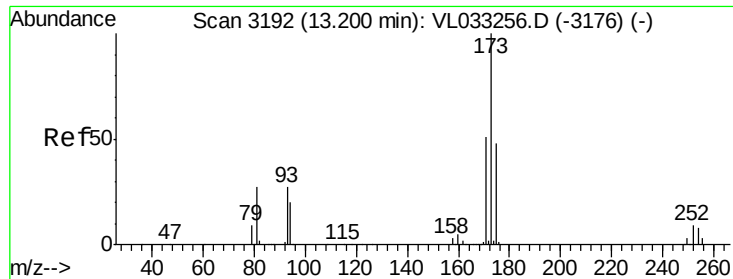
#48
 Dibromochloromethane
 Concen: 10.536 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 129 Resp: 1378577
 Ion Ratio Lower Upper
 129 100
 127 77.5 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.236 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

BFB

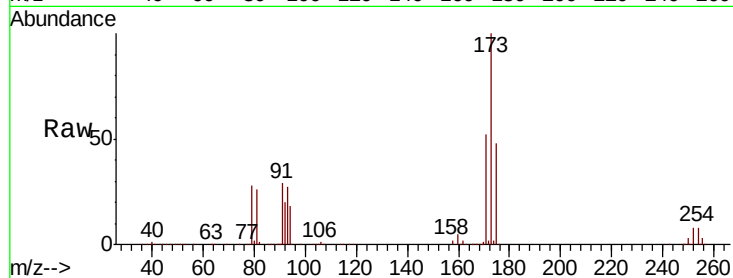
Tgt Ion:173 Resp: 1191908

Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

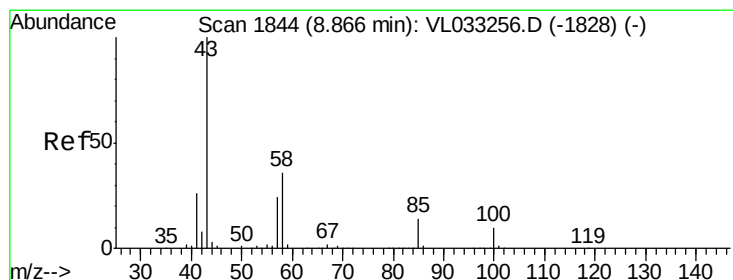
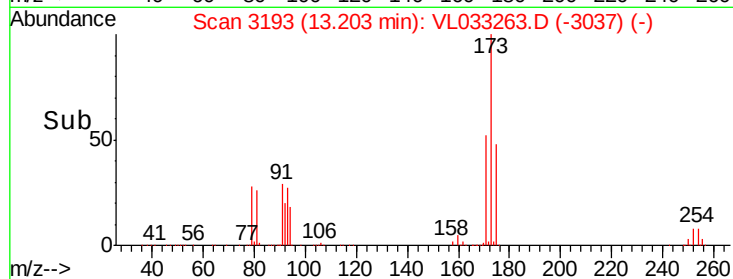
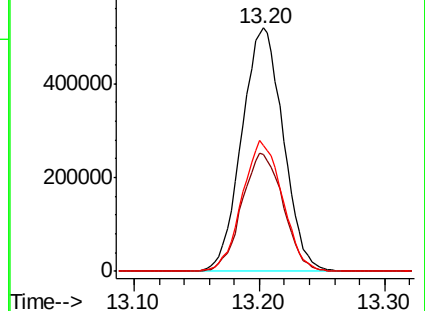
171 52.5 41.5 62.3



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: 9.799 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033263.D

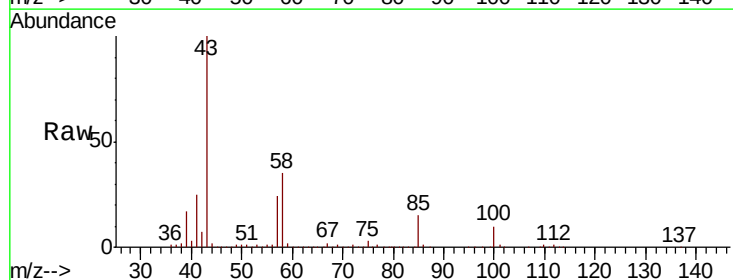
Acq: 8 Mar 2019 17:14

Tgt Ion: 43 Resp: 1971832

Ion Ratio Lower Upper

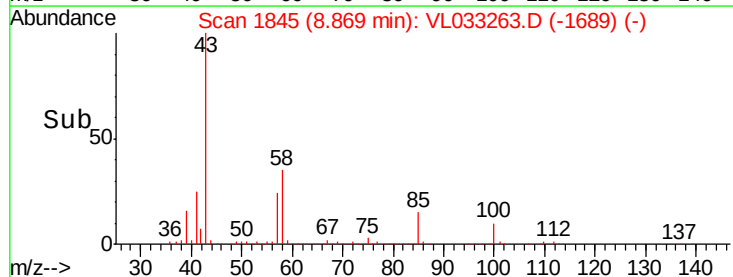
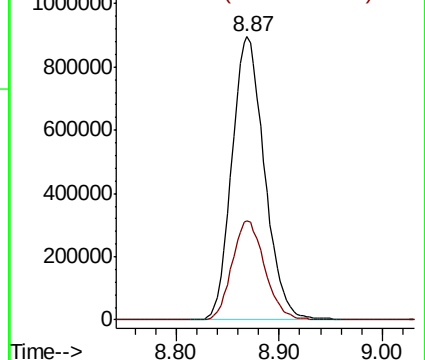
43 100

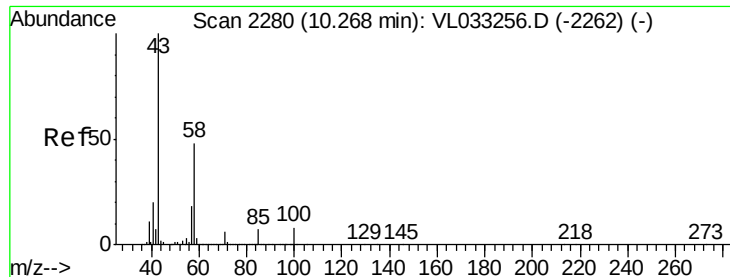
58 35.2 28.1 42.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

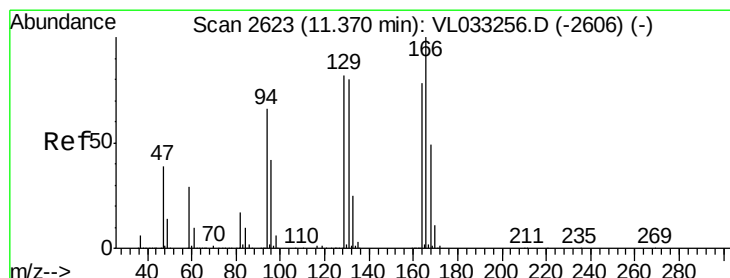
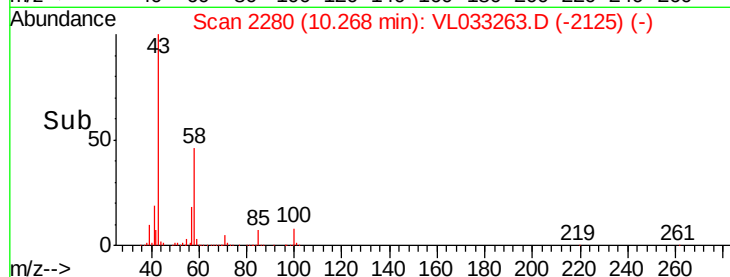
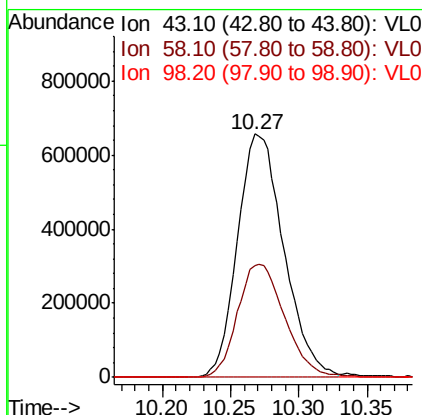
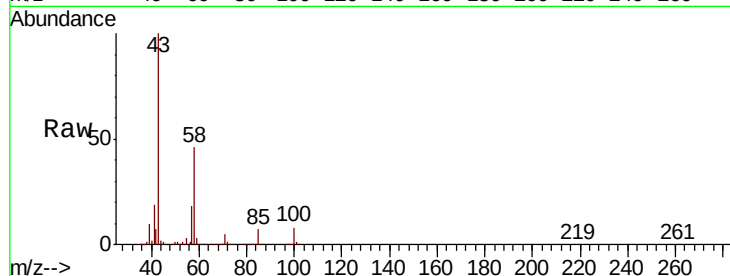




#51
2-Hexanone
Concen: 10.309 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

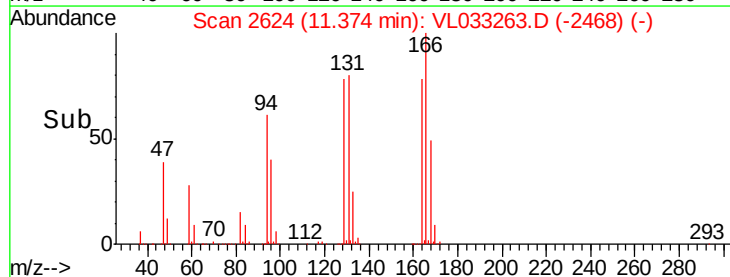
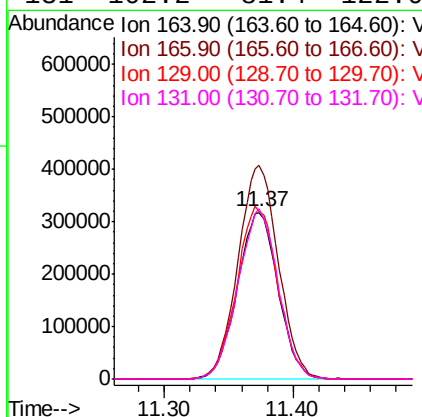
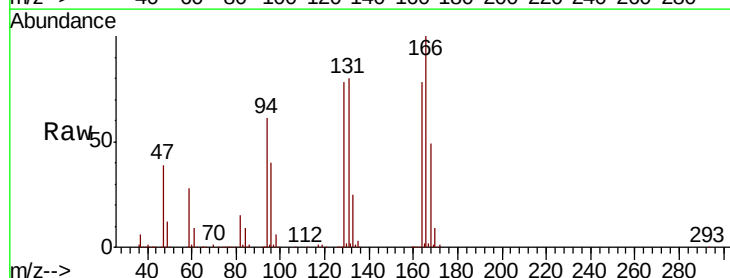
Instrument :
MSVOA_L
ClientSampleId :
BFB

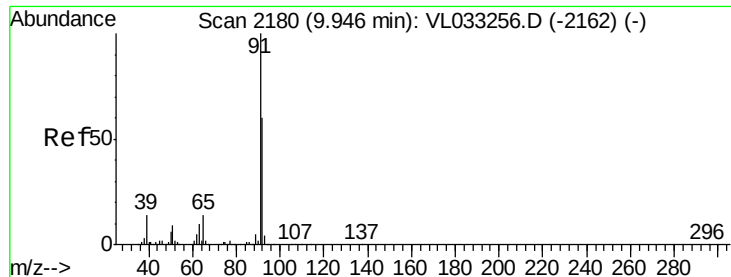
Tgt Ion: 43 Resp: 1546345
Ion Ratio Lower Upper
43 100
58 47.9 38.1 57.1
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.855 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

Tgt Ion: 164 Resp: 695439
Ion Ratio Lower Upper
164 100
166 128.1 102.0 153.0
129 100.3 83.2 124.8
131 102.2 81.4 122.0





#53

Toluene

Concen: 10.402 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

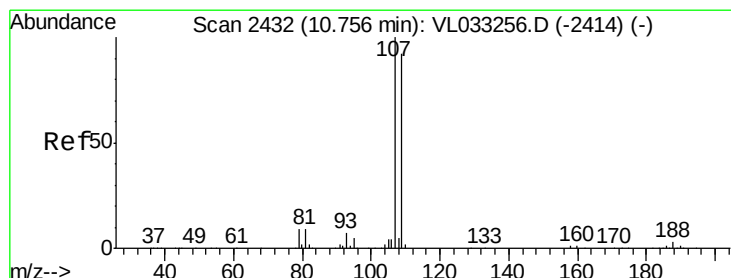
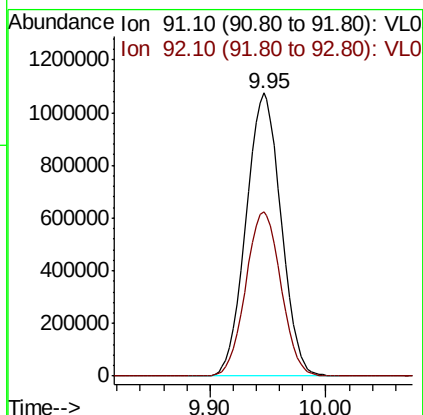
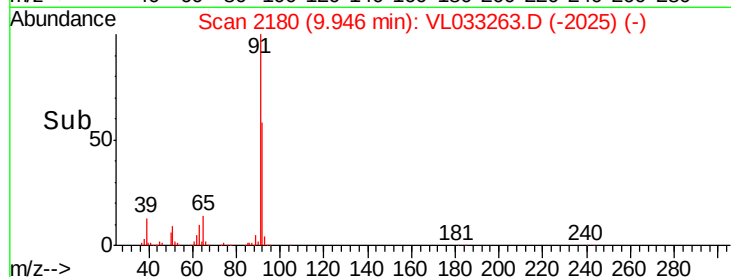
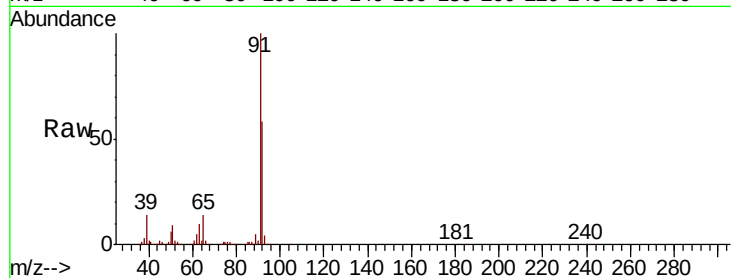
BFB

Tgt Ion: 91 Resp: 2256269

Ion Ratio Lower Upper

91 100

92 58.7 47.7 71.5



#54

1,2-Dibromoethane

Concen: 9.971 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL033263.D

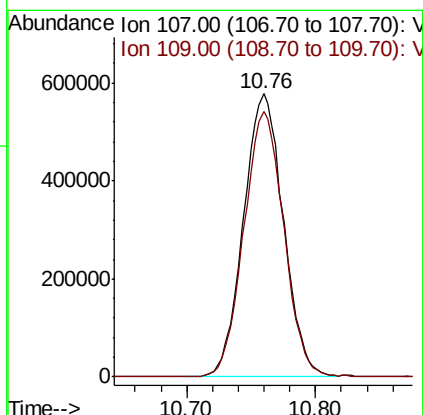
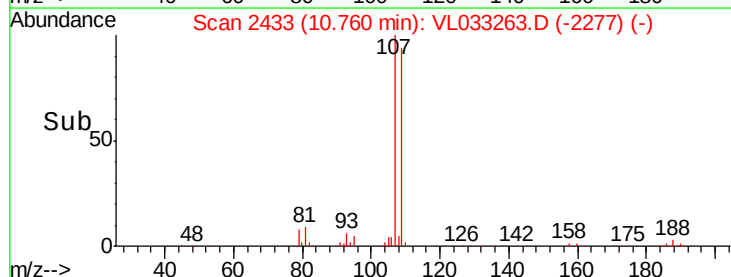
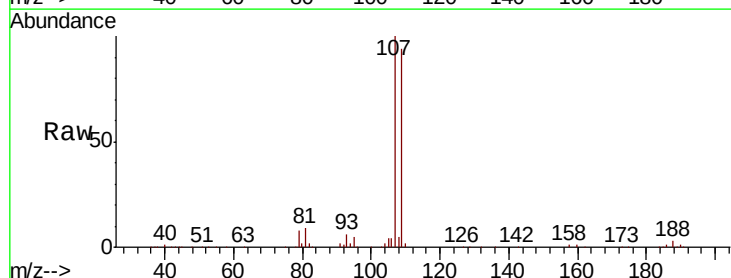
Acq: 8 Mar 2019 17:14

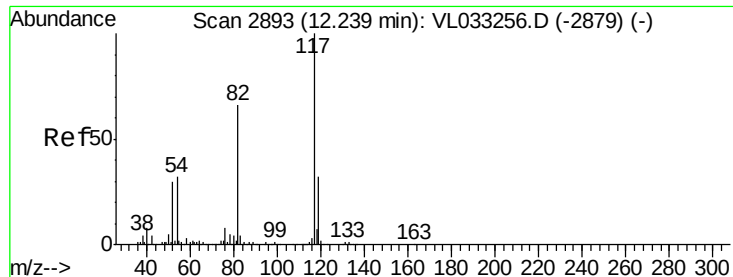
Tgt Ion: 107 Resp: 1246502

Ion Ratio Lower Upper

107 100

109 93.8 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

BFB

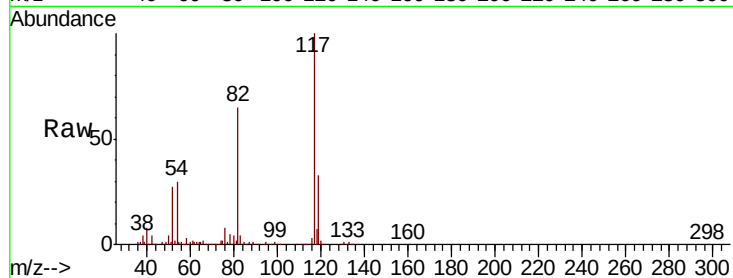
Tgt Ion:117 Resp: 2826046

Ion Ratio Lower Upper

117 100

82 54.4 52.2 78.4

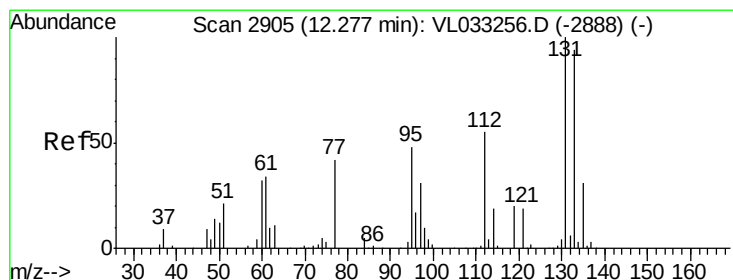
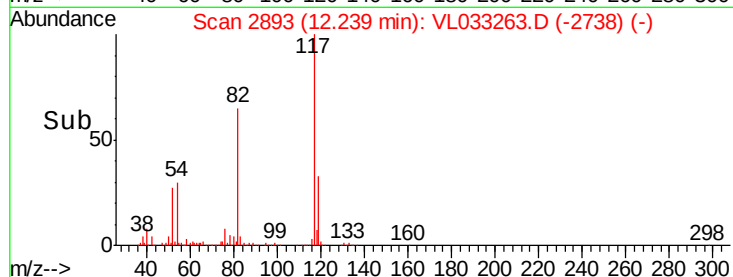
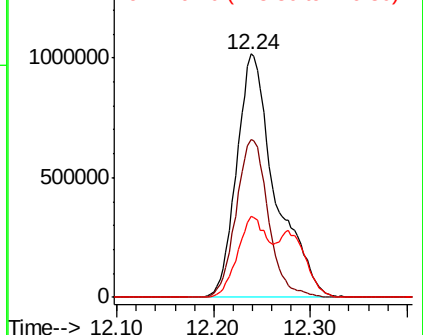
119 27.5 43.4 65.2#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.064 ppbv

RT: 12.28 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

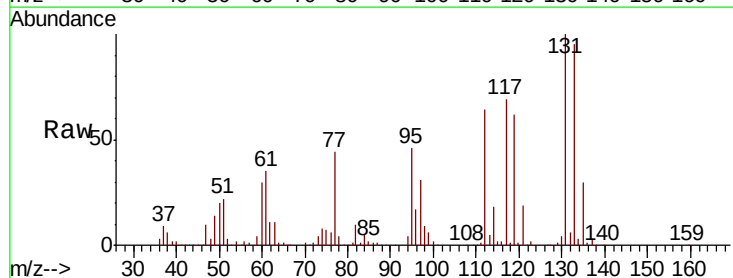
Tgt Ion:131 Resp: 954024

Ion Ratio Lower Upper

131 100

133 94.2 76.3 114.5

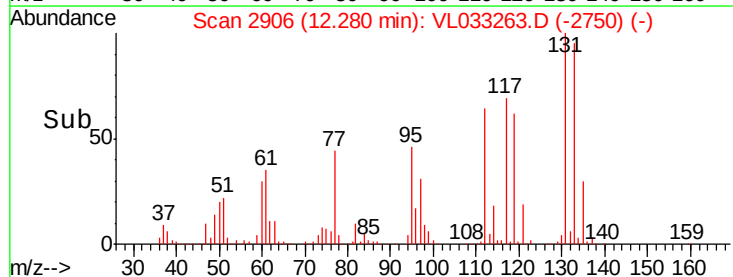
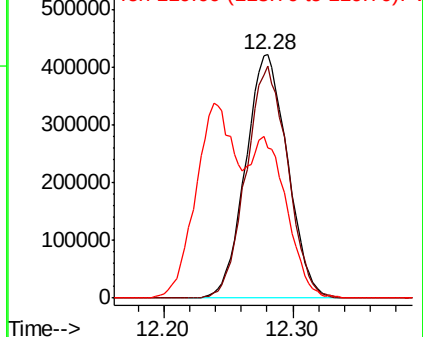
119 50.3 109.2 163.8#

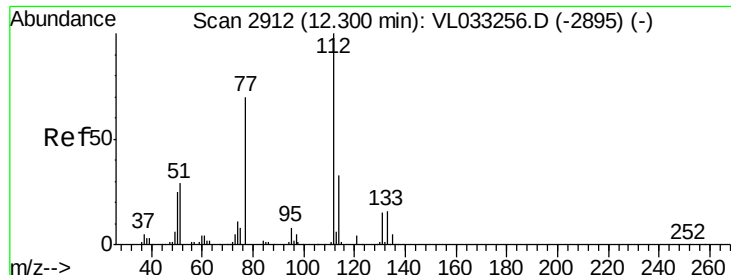


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.833 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampled :

BFB

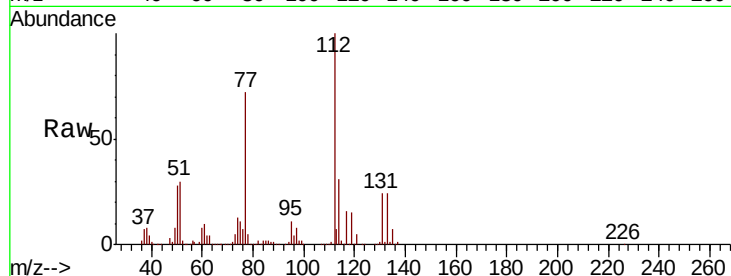
Tgt Ion: 112 Resp: 1623314

Ion Ratio Lower Upper

112 100

77 71.8 56.8 85.2

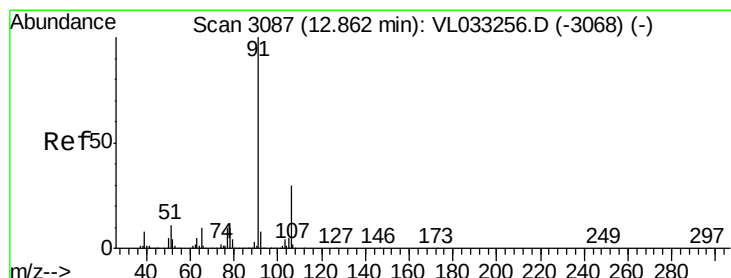
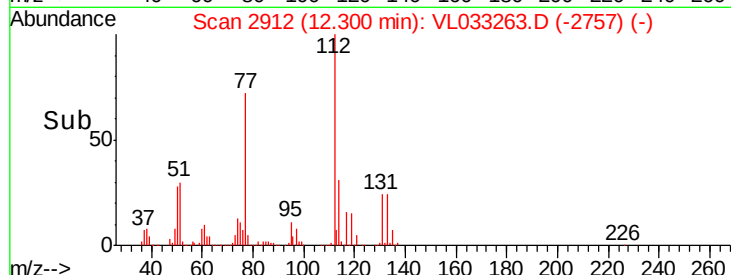
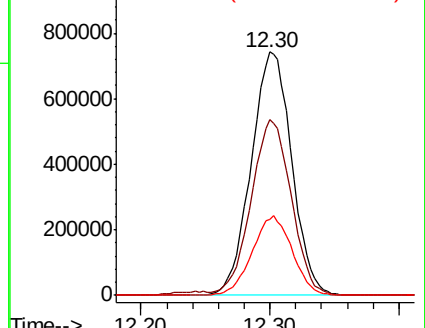
114 31.1 29.5 36.1



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: 8.124 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL033263.D

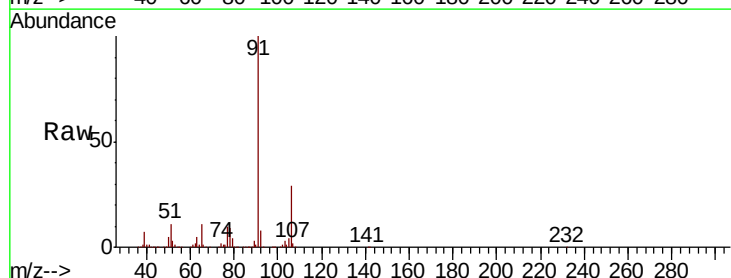
Acq: 8 Mar 2019 17:14

Tgt Ion: 91 Resp: 3106256

Ion Ratio Lower Upper

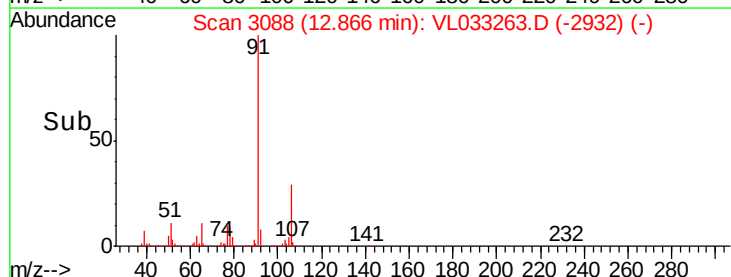
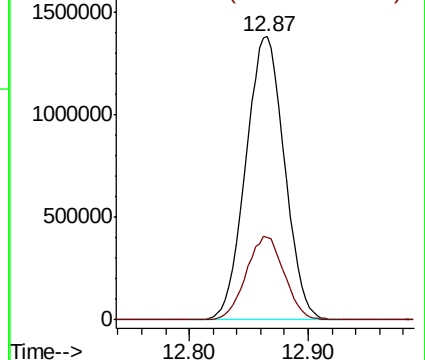
91 100

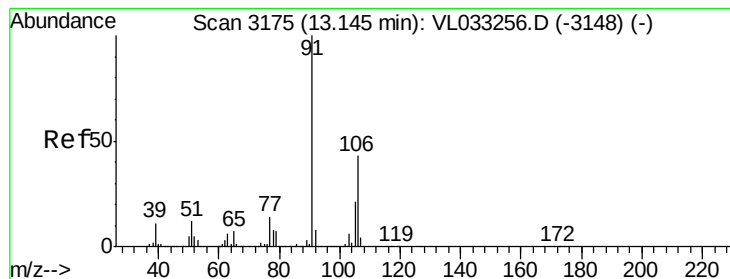
106 29.2 23.7 35.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.726 ppbv

RT: 13.15 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampled :

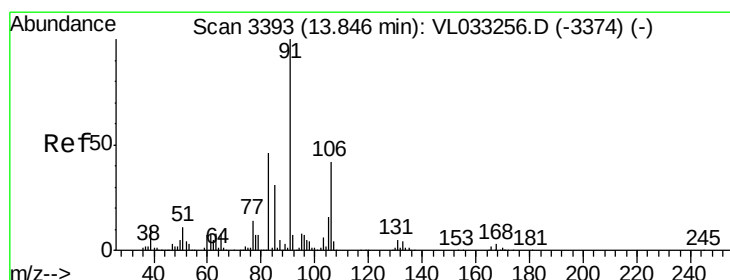
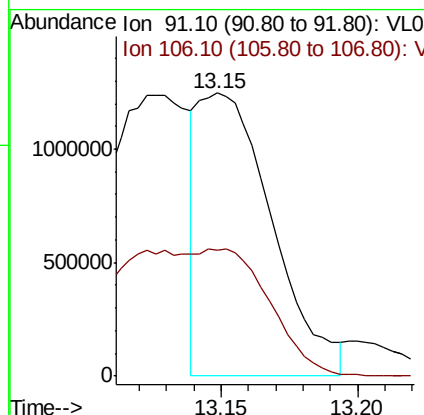
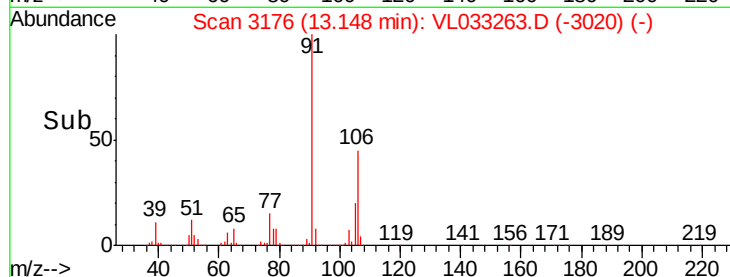
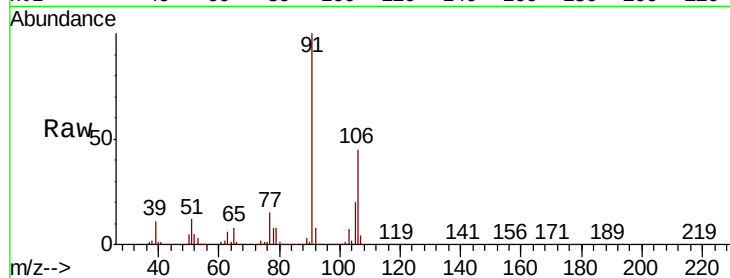
BFB

Tgt Ion: 91 Resp: 2328225

Ion Ratio Lower Upper

91 100

106 97.1 35.0 52.4#



#60

o-Xylene

Concen: 7.332 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL033263.D

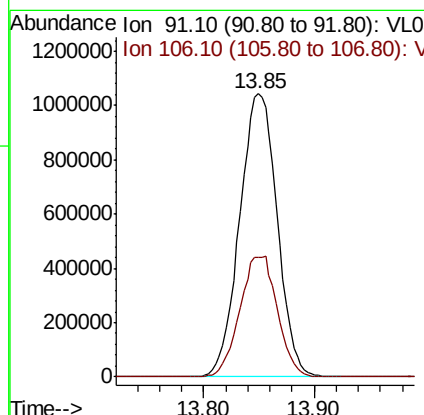
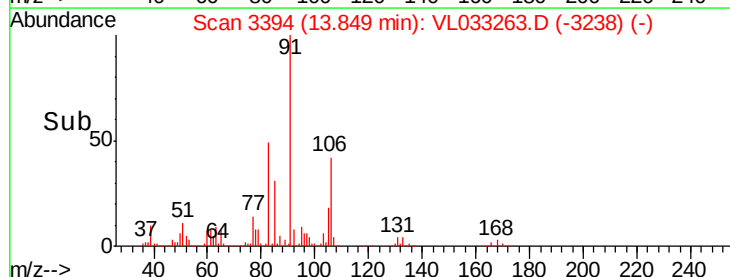
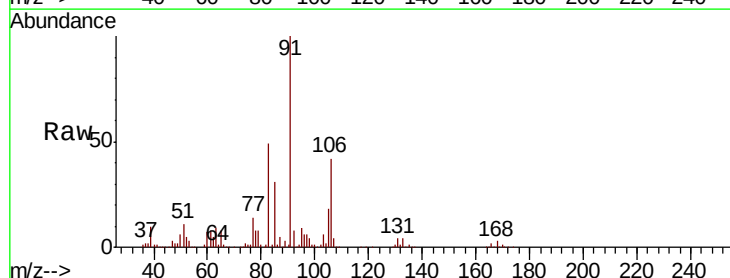
Acq: 8 Mar 2019 17:14

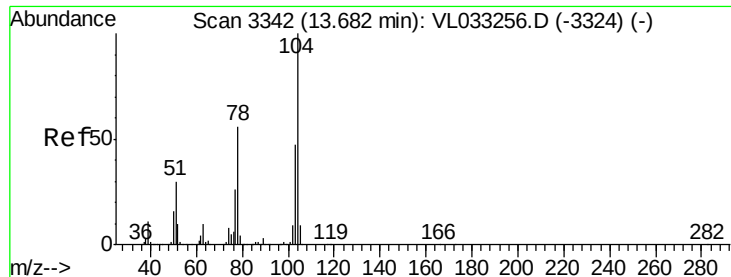
Tgt Ion: 91 Resp: 2457448

Ion Ratio Lower Upper

91 100

106 42.8 21.1 63.4





#61

Styrene

Concen: 8.174 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

BFB

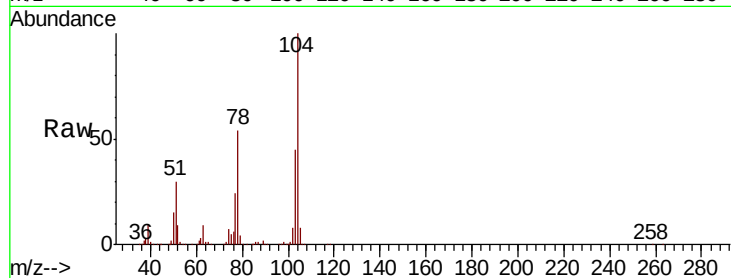
Tgt Ion:104 Resp: 1863951

Ion Ratio Lower Upper

104 100

78 54.1 43.9 65.9

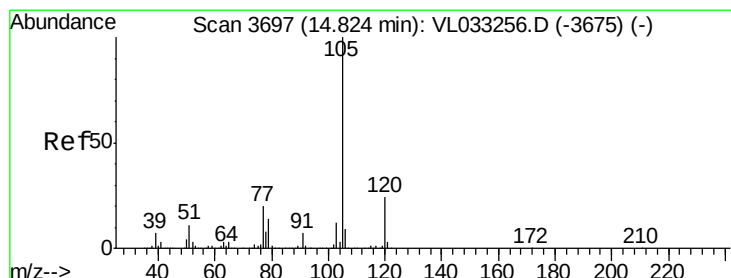
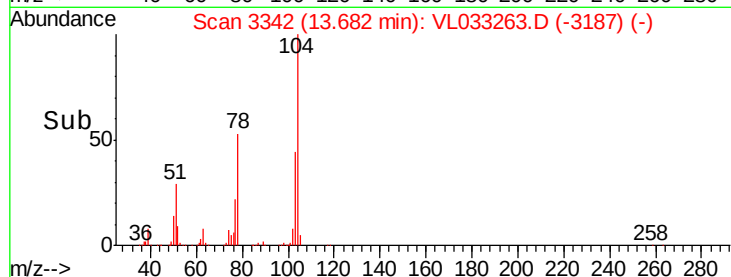
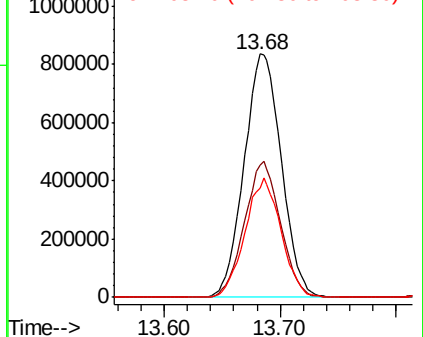
103 47.3 38.3 57.5



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: 7.722 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL033263.D

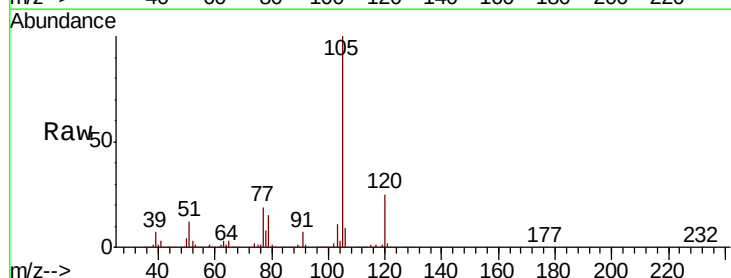
Acq: 8 Mar 2019 17:14

Tgt Ion:105 Resp: 3455915

Ion Ratio Lower Upper

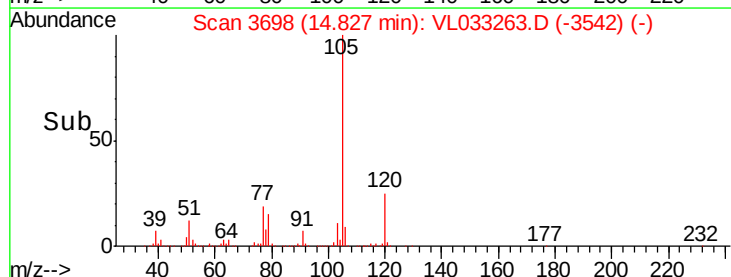
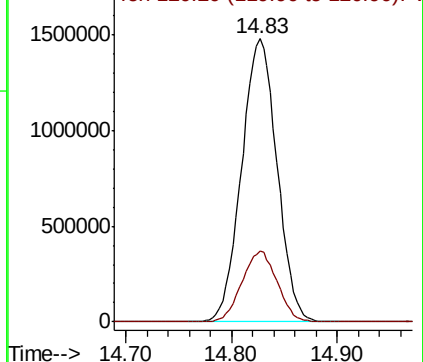
105 100

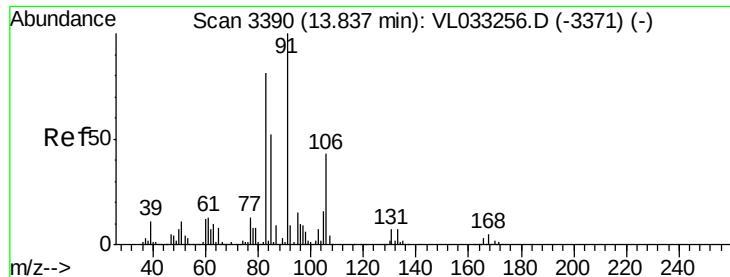
120 24.9 19.7 29.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

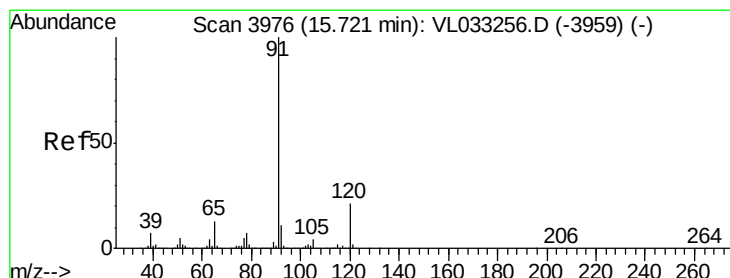
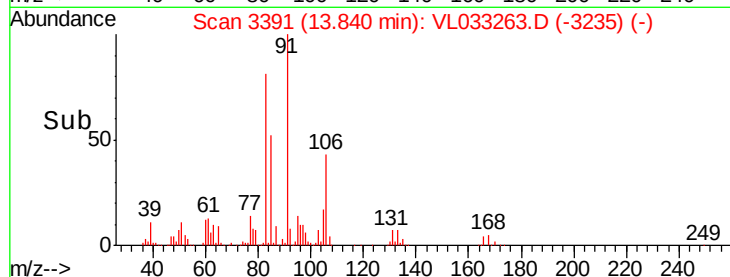
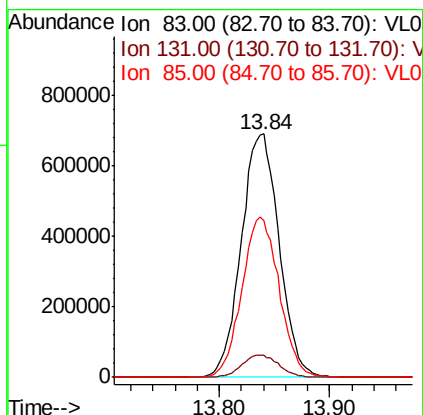
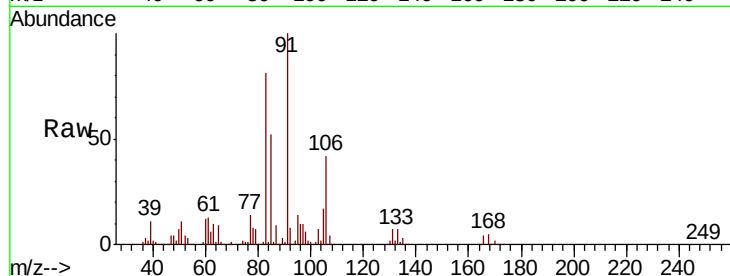




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.615 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

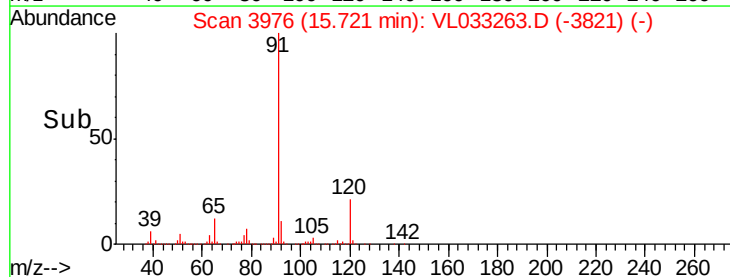
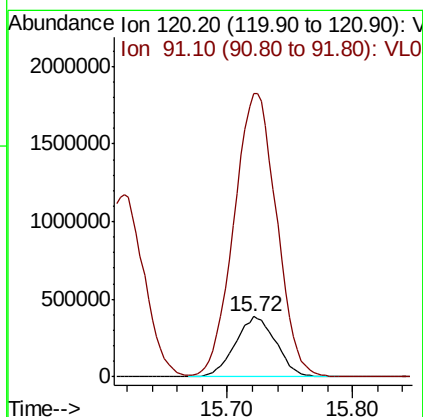
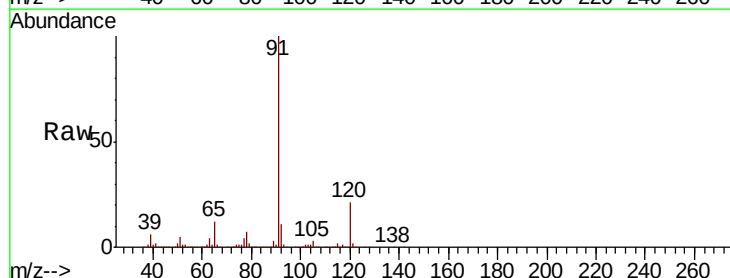
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

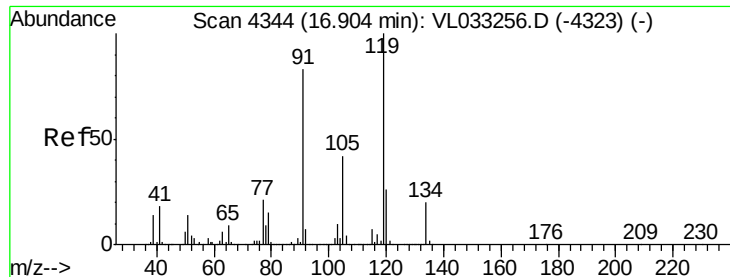
Tgt Ion: 83 Resp: 1641858
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.7 14.0
 85 64.9 32.4 97.0



#64
 n-propylbenzene
 Concen: 8.040 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 120 Resp: 879901
 Ion Ratio Lower Upper
 120 100
 91 490.5 392.8 589.2

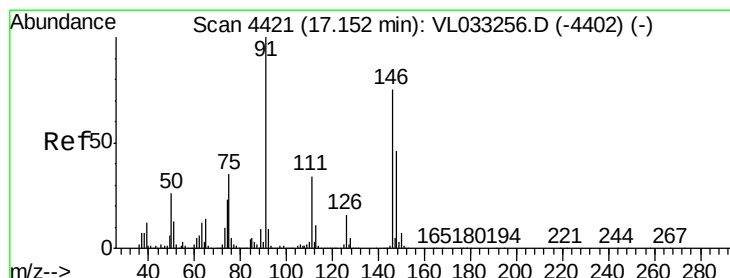
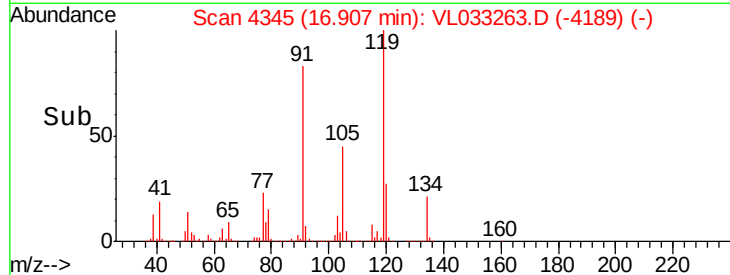
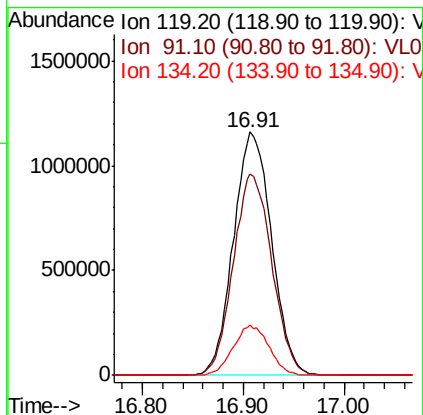
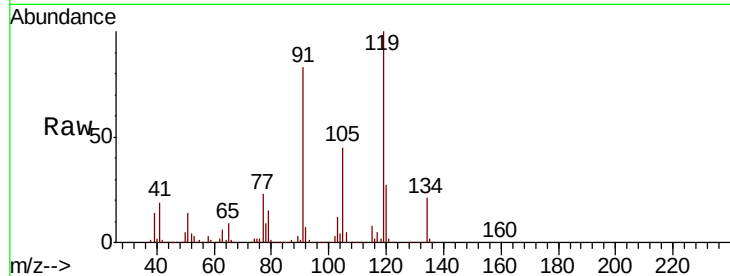




#65
 tert-Butylbenzene
 Concen: 8.087 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

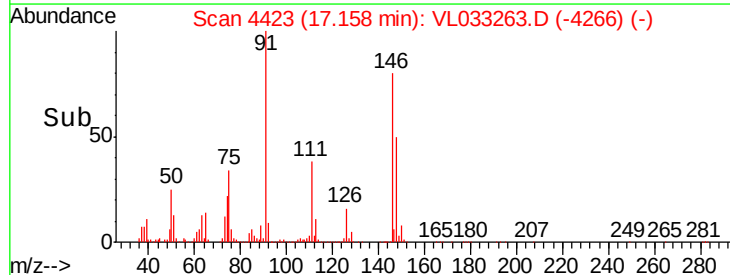
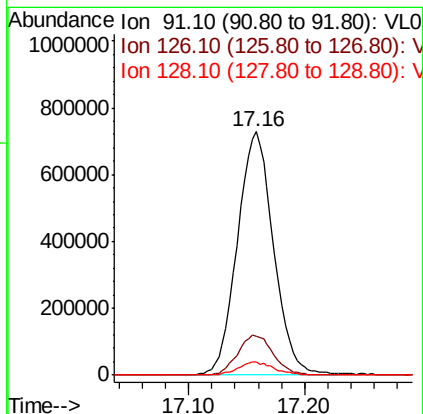
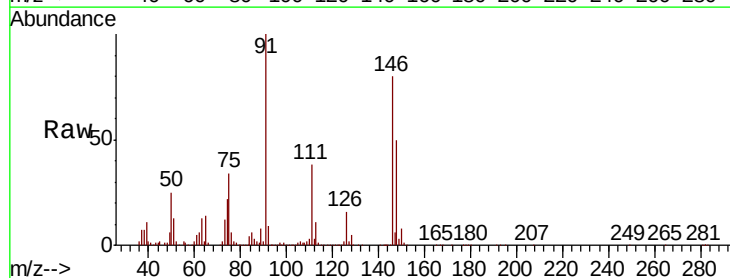
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

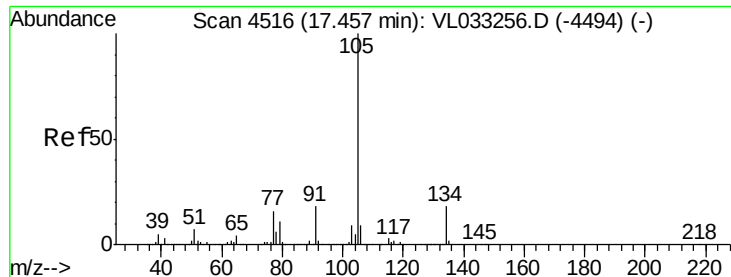
Tgt Ion: 119 Resp: 3044290
 Ion Ratio Lower Upper
 119 100
 91 84.1 67.3 100.9
 134 19.4 15.5 23.3



#66
 Benzyl Chloride
 Concen: 11.116 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. 0.01 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion: 91 Resp: 1567879
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.0 19.6
 128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.942 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

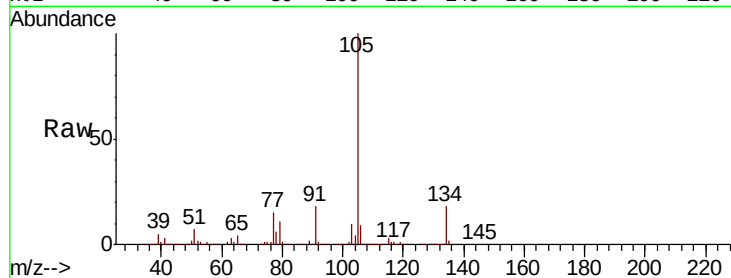
BFB

Tgt Ion:105 Resp: 4250621

Ion Ratio Lower Upper

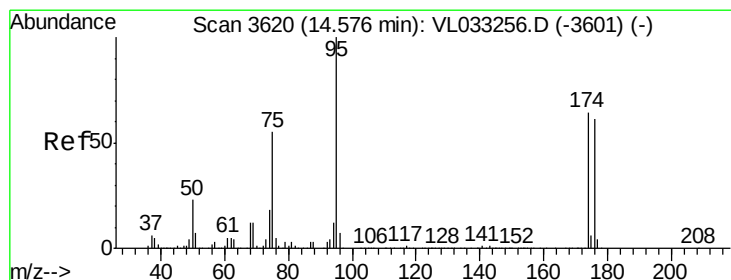
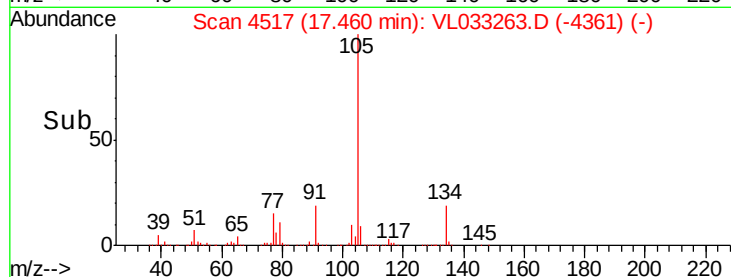
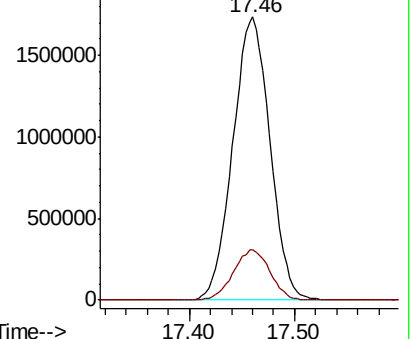
105 100

134 17.7 14.0 21.0



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: 7.839 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

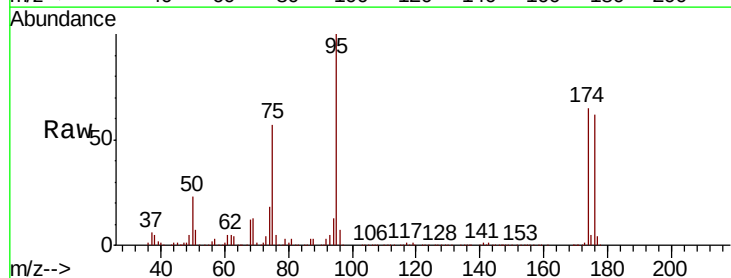
Tgt Ion: 95 Resp: 1778030

Ion Ratio Lower Upper

95 100

174 64.6 51.7 77.5

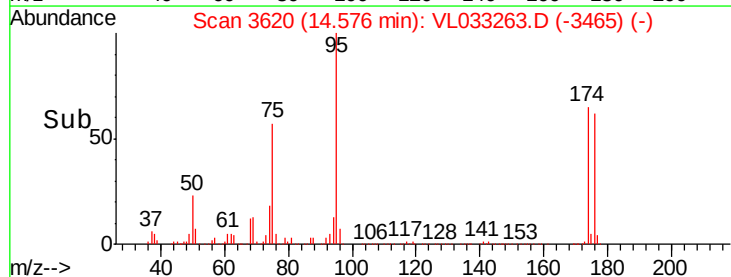
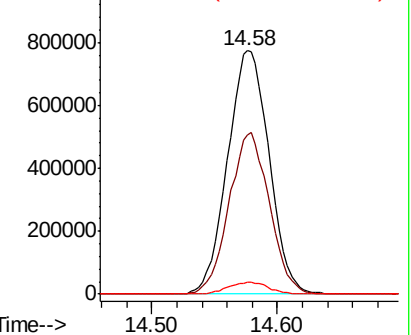
175 4.7 3.8 5.8

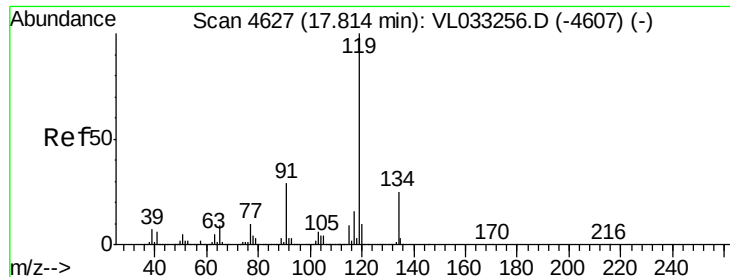


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

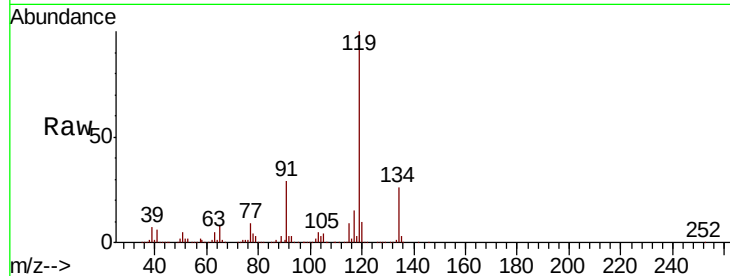




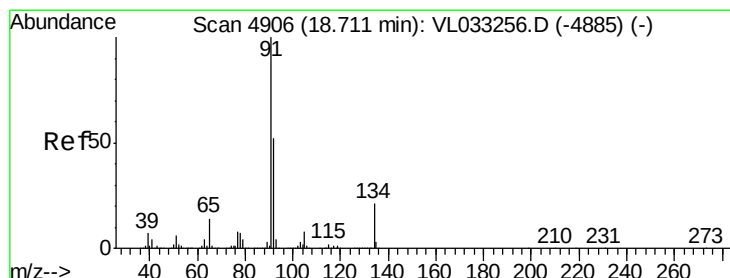
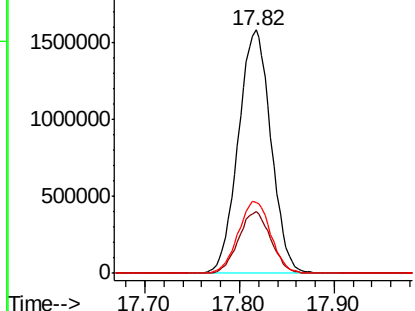
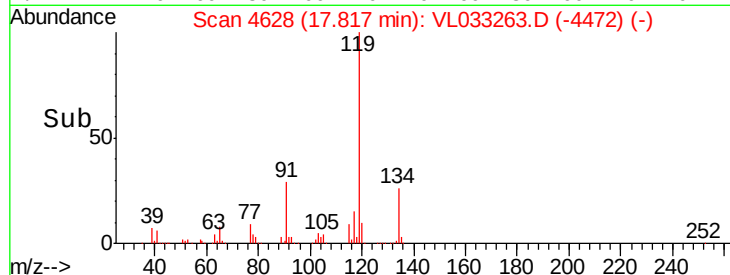
#69
p-Isopropyltoluene
Concen: 8.727 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 119 Resp: 3790642
Ion Ratio Lower Upper
119 100
134 24.9 19.8 29.8
91 29.5 23.9 35.9

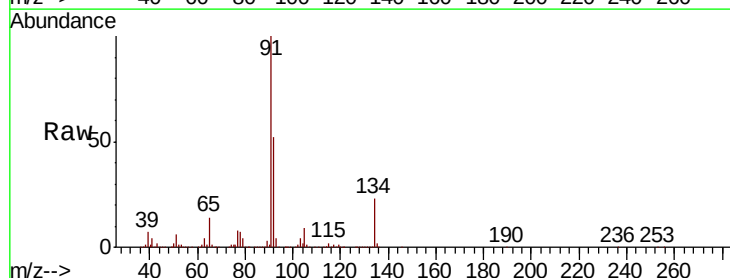


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

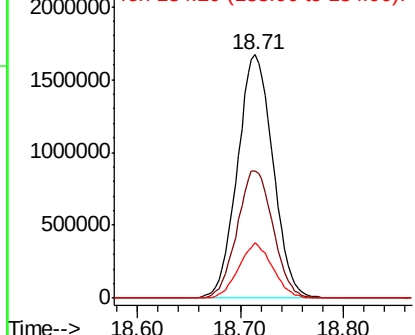
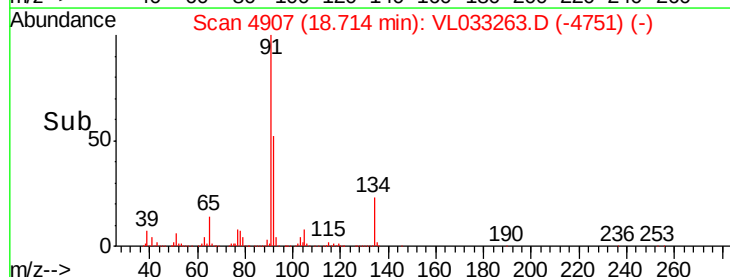


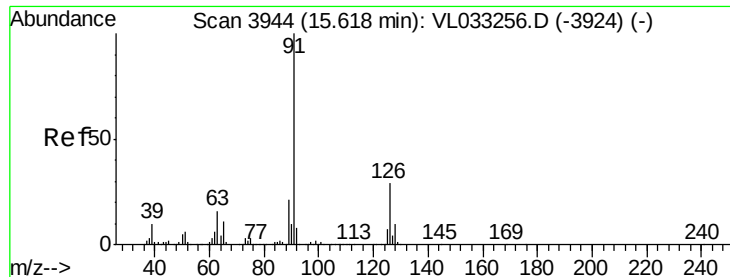
#70
n-Butylbenzene
Concen: 8.481 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033263.D
Acq: 8 Mar 2019 17:14

Tgt Ion: 91 Resp: 3992687
Ion Ratio Lower Upper
91 100
92 53.2 42.6 63.8
134 21.7 17.3 25.9



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





#71

2-Chlorotoluene

Concen: 8.110 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampled :

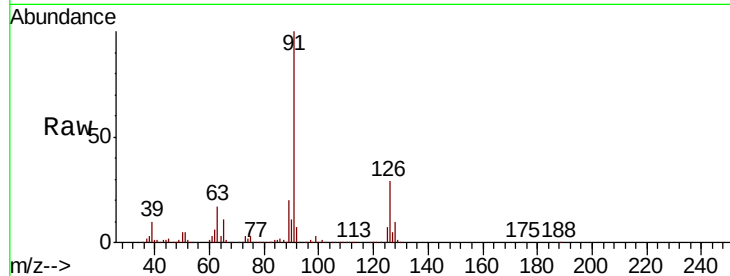
BFB

Tgt Ion: 91 Resp: 2715844

Ion Ratio Lower Upper

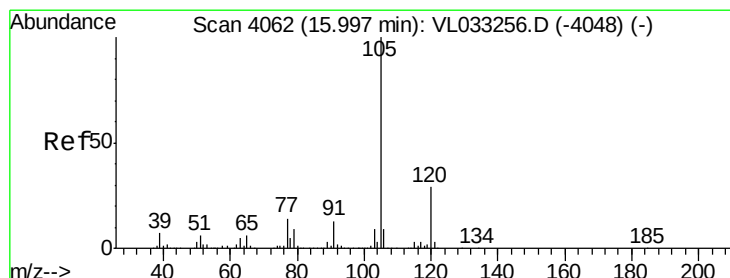
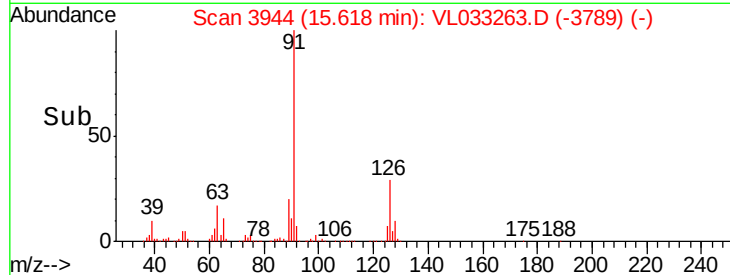
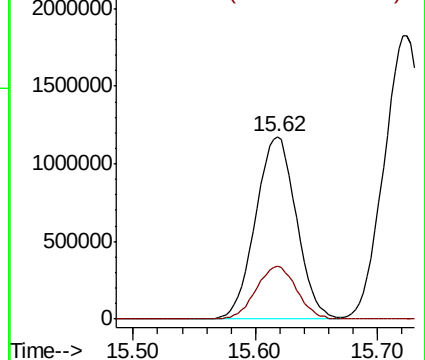
91 100

126 28.9 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.482 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Tgt Ion: 105 Resp: 2960032

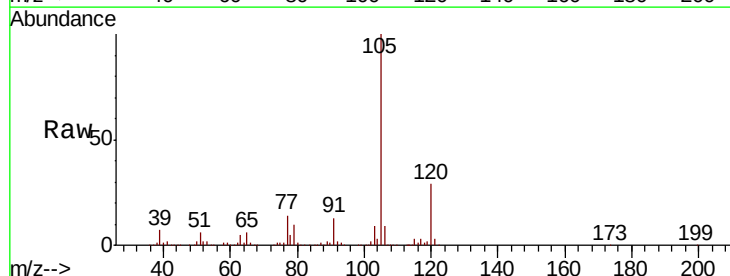
Ion Ratio Lower Upper

105 100

120 28.5 22.9 34.3

91 13.0 10.4 15.6

77 13.9 11.4 17.2

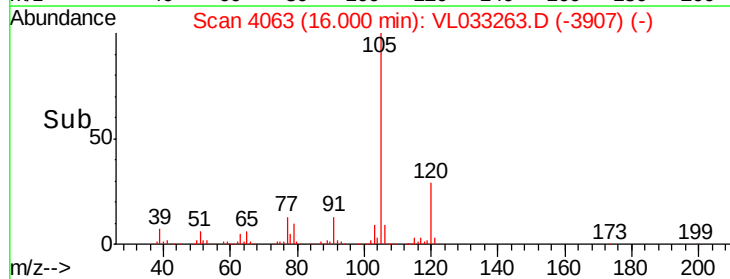
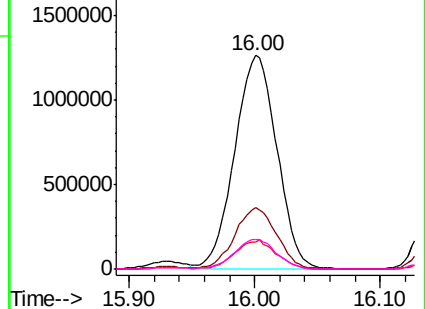


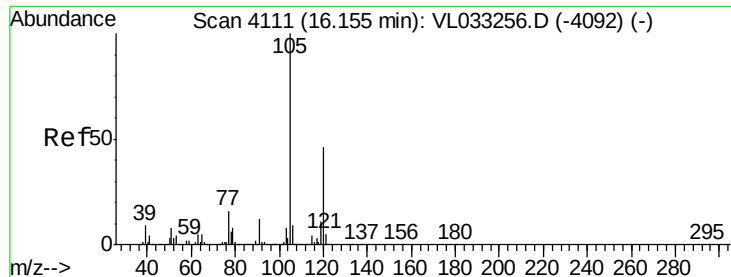
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.280 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

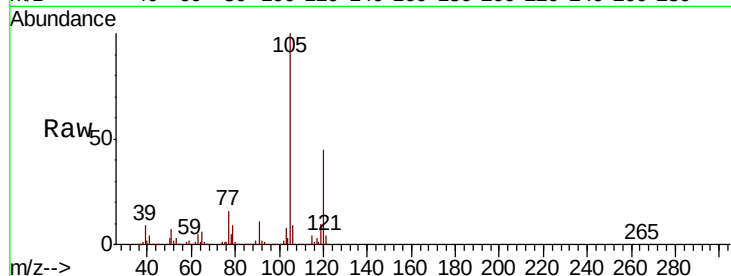
BFB

Tgt Ion:105 Resp: 2753139

Ion Ratio Lower Upper

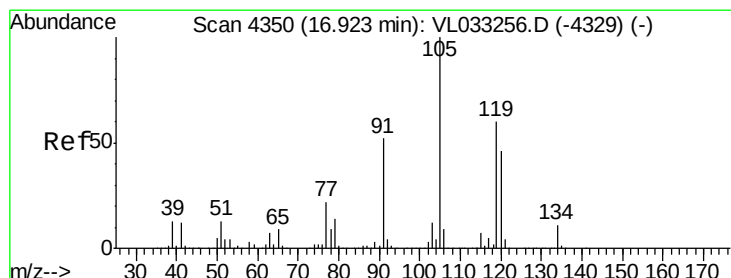
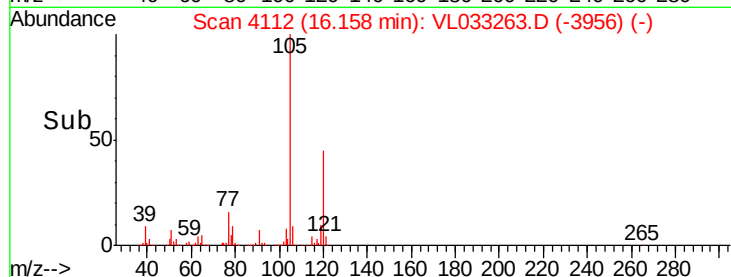
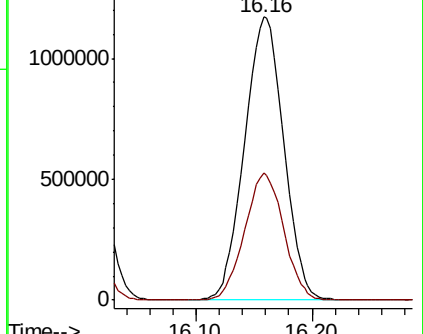
105 100

120 45.1 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.106 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Tgt Ion:105 Resp: 2804681

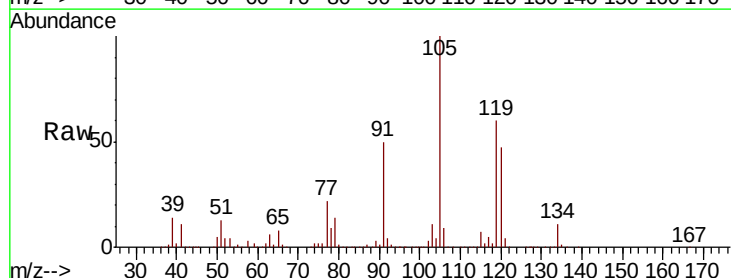
Ion Ratio Lower Upper

105 100

120 46.8 36.7 55.1

91 50.1 42.1 63.1

77 21.8 17.8 26.6

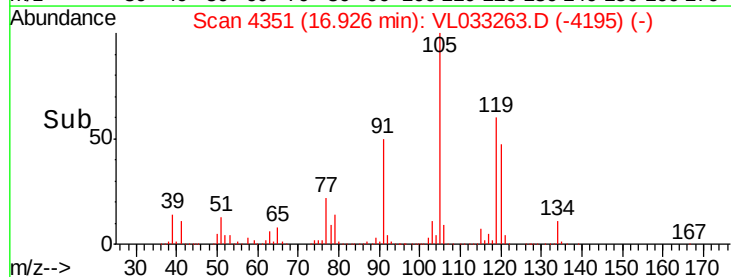
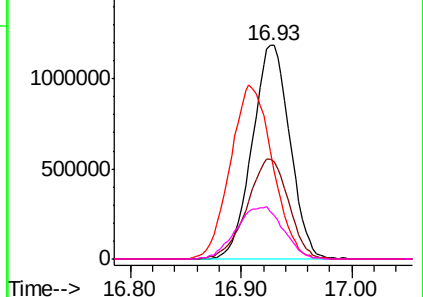


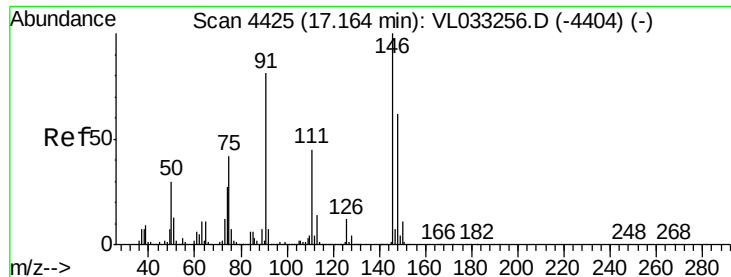
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

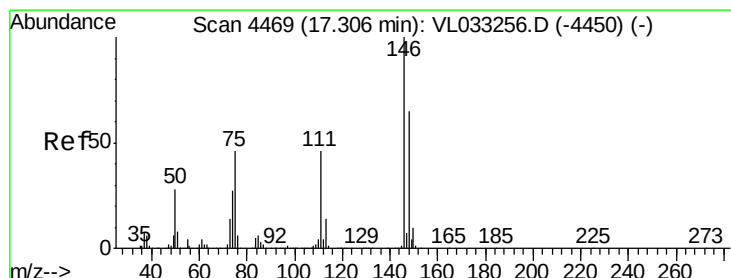
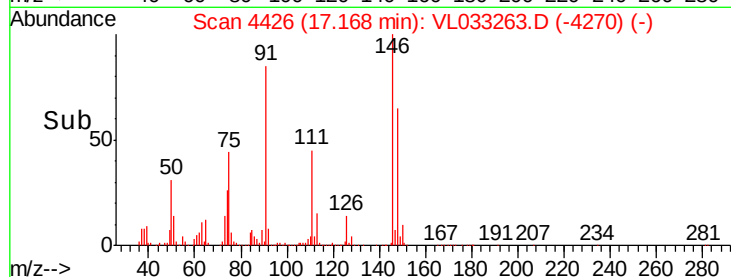
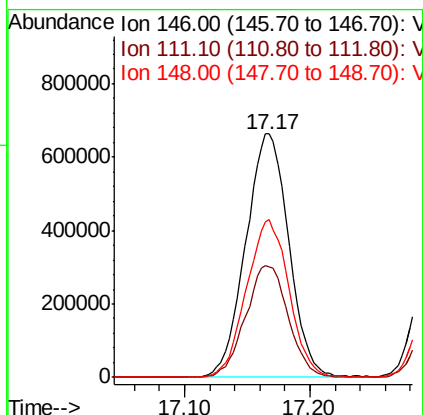
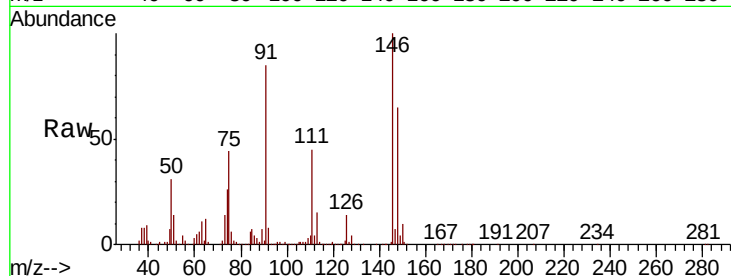




#75
 1,3-Dichlorobenzene
 Concen: 7.731 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

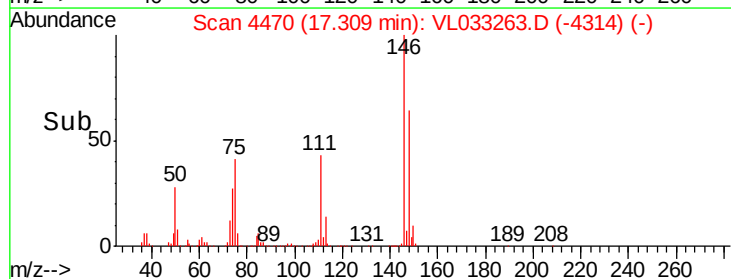
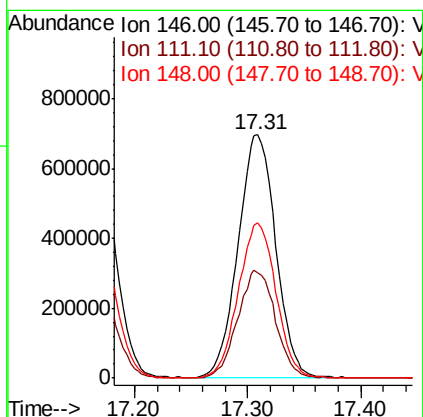
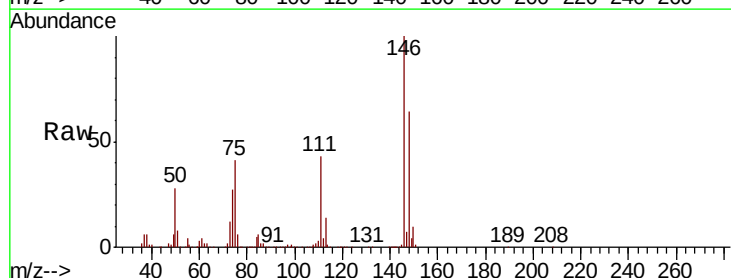
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

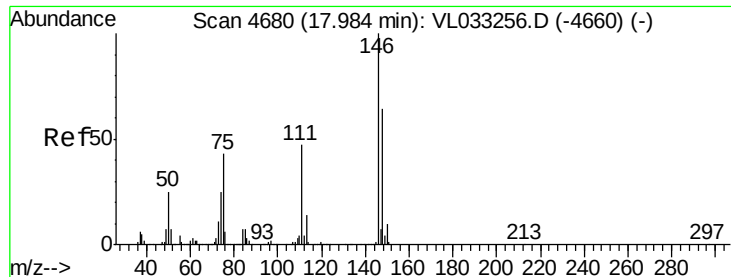
Tgt Ion:146 Resp: 1580742
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.9 68.7
 148 64.1 31.6 94.7



#76
 1,4-Dichlorobenzene
 Concen: 8.048 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Tgt Ion:146 Resp: 1611360
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.6 67.7
 148 64.4 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 8.253 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampleId :

BFB

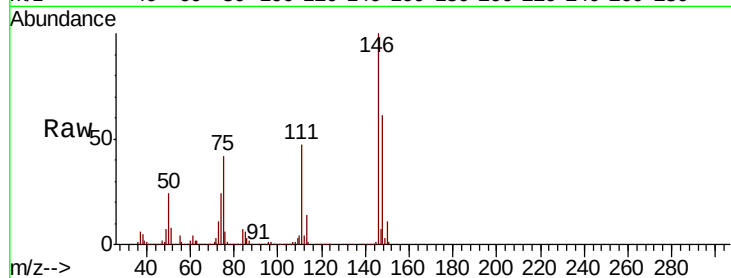
Tgt Ion:146 Resp: 1624498

Ion Ratio Lower Upper

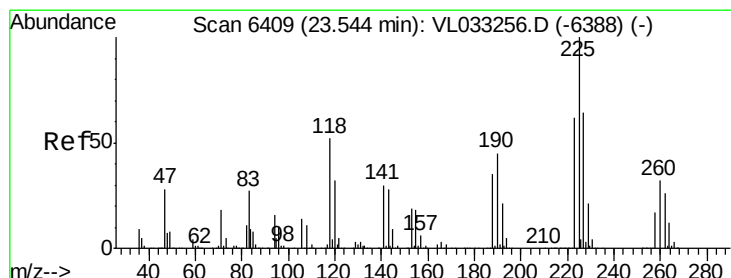
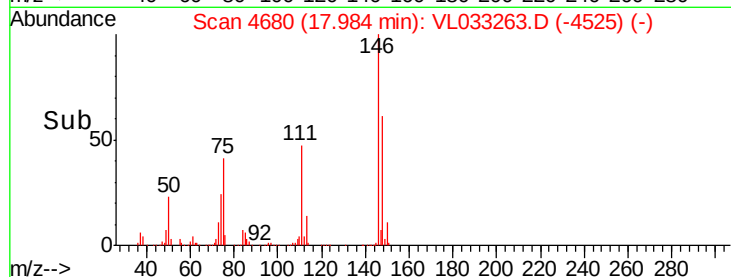
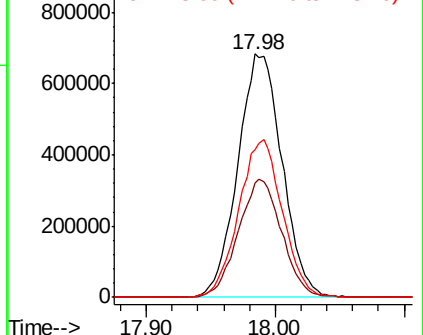
146 100

111 48.0 23.8 71.2

148 64.5 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.883 ppbv

RT: 23.54 min Scan# 6409

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

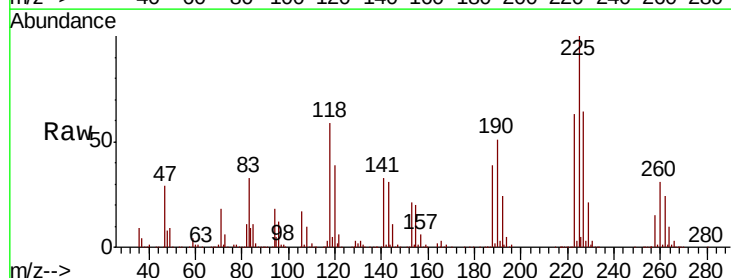
Tgt Ion:225 Resp: 1324625

Ion Ratio Lower Upper

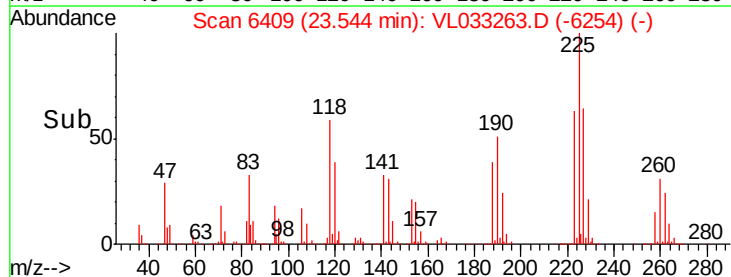
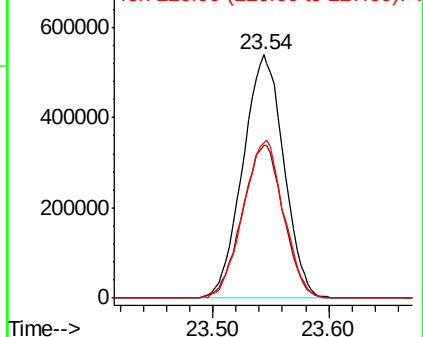
225 100

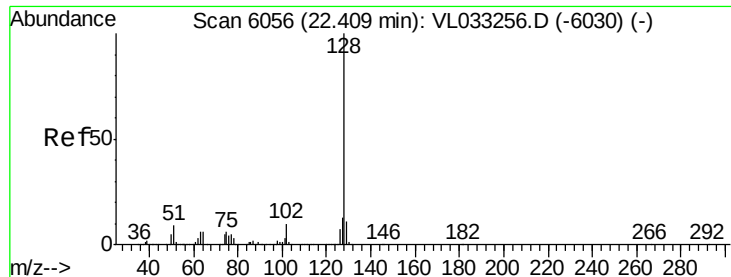
223 63.3 50.4 75.6

227 63.9 51.4 77.0



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: 8.634 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

Instrument :

MSVOA_L

ClientSampled :

BFB

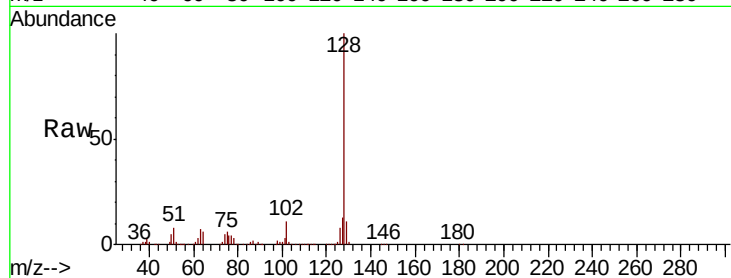
Tgt Ion:128 Resp: 3257413

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

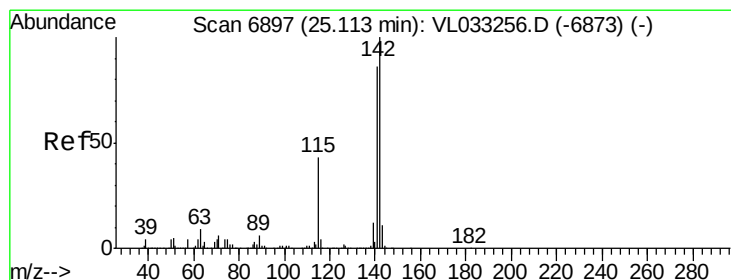
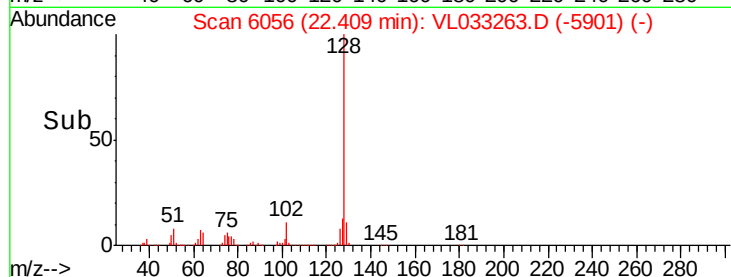
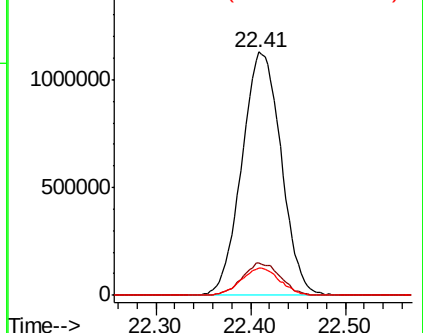
129 11.4 8.6 13.0



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: 19.289 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.00 min

Lab File: VL033263.D

Acq: 8 Mar 2019 17:14

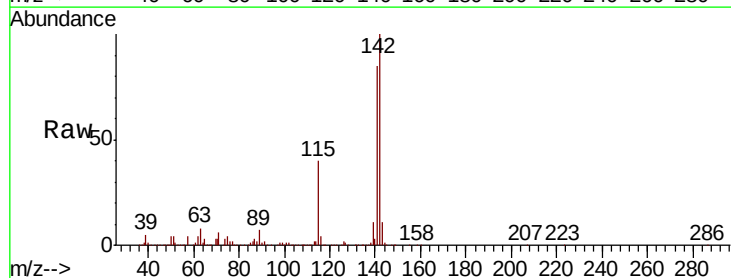
Tgt Ion:142 Resp: 1780960

Ion Ratio Lower Upper

142 100

141 83.8 67.6 101.4

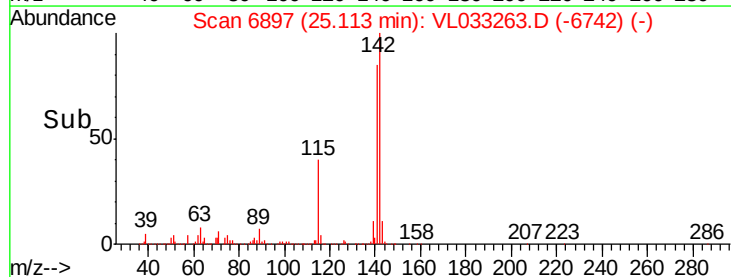
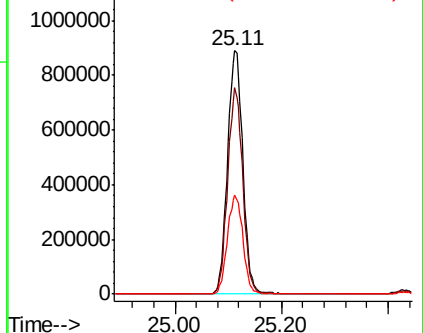
115 41.4 33.9 50.9

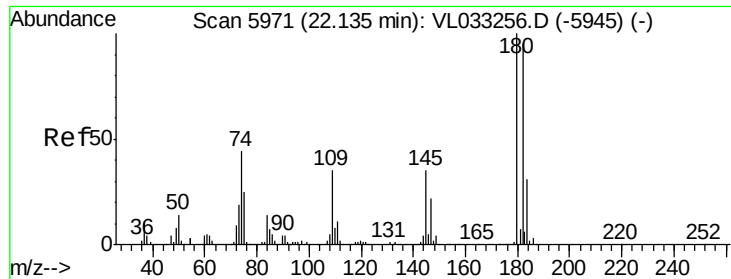


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.799 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. 0.00 min
 Lab File: VL033263.D
 Acq: 8 Mar 2019 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 1517471
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.3 114.5
 184 30.9 24.6 36.8

