

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033309.D
 Acq On : 14 Mar 2019 10:16
 Operator : SY/AP
 Sample : VL0313ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

Quant Time: Mar 15 02:04:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 14 00:01:31 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	738177	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1671223	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2013911	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1518117	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1376034	10.075	ppbv	98
3) Chlorodifluoromethane	3.01	51	864632	8.979	ppbv	100
4) Chloromethane	3.17	50	459471	8.814	ppbv	100
5) Vinyl Chloride	3.29	62	453514	8.691	ppbv	100
6) Bromomethane	3.51	94	290337	9.241	ppbv	98
7) Chloroethane	3.60	64	173041	9.261	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1128243	9.045	ppbv	99
9) Propene	3.04	41	376517	8.664	ppbv	98
10) Heptane	8.25	43	1001765	9.430	ppbv	98
11) Trichlorofluoromethane	4.00	101	1264908	9.217	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	840148	9.080	ppbv	99
13) Ethanol	3.65	45	85871	6.456	ppbv	99
14) Bromoethene	3.79	108	371276	9.654	ppbv	99
15) Acetone	3.90	43	818167	8.061	ppbv	100
16) 1,3-Butadiene	3.36	39	378790	9.114	ppbv	91
17) tert-Butyl alcohol	4.36	59	158111	8.932	ppbv	98
18) 1,1-Dichloroethene	4.35	96	387722	9.488	ppbv	98
19) Isopropyl Alcohol	4.02	45	536310	8.637	ppbv	100
20) Methylene Chloride	4.41	84	324080	7.887	ppbv	97
21) Allyl Chloride	4.48	41	572945	9.350	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	392452	9.520	ppbv	99
23) Vinyl Acetate	5.16	43	1423772	9.662	ppbv	99
24) 1,1-Dichloroethane	5.09	63	991474	9.301	ppbv	100
25) Ethyl Acetate	5.77	43	1727248	9.342	ppbv	100
26) Hexane	5.78	57	762563	8.827	ppbv	99
27) Carbon Disulfide	4.62	76	963042	10.424	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1169916	9.420	ppbv	100
29) Chloroform	5.85	83	1286542	9.580	ppbv	99
30) Cyclohexane	7.25	84	641803	9.570	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	795570	9.564	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1267110	9.723	ppbv	99
34) 2-Butanone	5.33	43	1113771	9.639	ppbv	100
35) Carbon Tetrachloride	7.14	117	1316959	10.251	ppbv	98
36) Benzene	7.01	78	1598445	9.739	ppbv	99
37) 1,2-Dichloroethane	6.42	62	995235	10.150	ppbv	100
38) Trichloroethene	7.96	130	590278	9.096	ppbv	98
39) 1,2-Dichloropropane	7.74	63	598342	9.493	ppbv	98
40) 1,4-Dioxane	7.95	88	209998	9.220	ppbv	70
41) Tetrahydrofuran	6.15	42	648992	10.124	ppbv	99
42) Bromodichloromethane	7.92	83	1396054	10.157	ppbv	99
43) Methyl Methacrylate	8.14	69	644080	9.857	ppbv	98

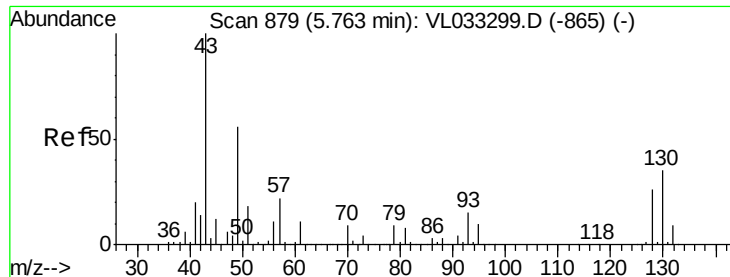
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033309.D
 Acq On : 14 Mar 2019 10:16
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Quant Time: Mar 15 02:04:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 14 00:01:31 2019
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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	2633874	9.386	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	868402	11.332	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	983673	10.654	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	652479	9.672	ppbv	99
48) Dibromochloromethane	10.45	129	1179000	10.623	ppbv	99
49) Bromoform	13.21	173	1143722	11.894	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1632590	9.752	ppbv	100
51) 2-Hexanone	10.27	43	1296030	10.139	ppbv	99
52) Tetrachloroethene	11.37	164	645928	9.581	ppbv	97
53) Toluene	9.95	91	1862572	9.910	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1046870	9.720	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	910314	10.074	ppbv	99
57) Chlorobenzene	12.30	112	1512051	9.300	ppbv	95
58) Ethyl Benzene	12.87	91	2890101	9.997	ppbv	99
59) m/p-Xylene	13.15	91	2337020	9.614	ppbv #	100
60) o-Xylene	13.85	91	2357893	10.056	ppbv	99
61) Styrene	13.69	104	1749609	10.633	ppbv	100
62) Isopropylbenzene	14.83	105	3299172	10.001	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1620639	9.590	ppbv	100
64) n-propylbenzene	15.72	120	831475	10.165	ppbv	100
65) tert-Butylbenzene	16.91	119	2928039	10.503	ppbv	99
66) Benzyl Chloride	17.16	91	1488944	13.423	ppbv	99
67) sec-Butylbenzene	17.46	105	4168813	10.400	ppbv	100
69) p-Isopropyltoluene	17.82	119	3427158	10.700	ppbv	100
70) n-Butylbenzene	18.72	91	3638044	10.864	ppbv	100
71) 2-Chlorotoluene	15.62	91	2552873	10.333	ppbv	99
72) 4-Ethyltoluene	16.00	105	2715698	10.812	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2619222	11.090	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2683350	11.134	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1518687	10.067	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1520983	10.325	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1490077	10.145	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	831822	7.679	ppbv	99
79) Naphthalene	22.42	128	2735731	13.817	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1258916	22.701	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1371920	12.185	ppbv	99

(#) = 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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MSVOA_L

ClientSampleId :

VL0313ABS01

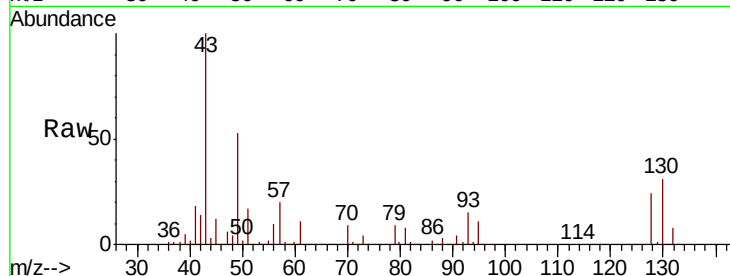
Tgt Ion: 49 Resp: 738177

Ion Ratio Lower Upper

49 100

128 46.4 23.4 70.3

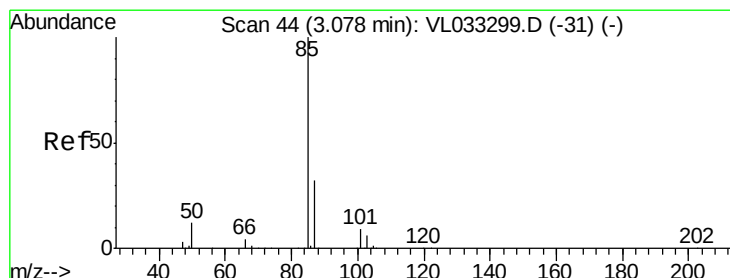
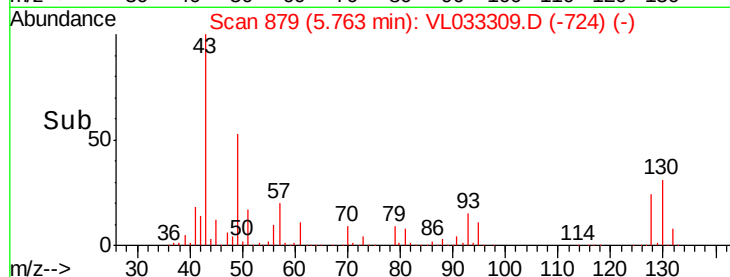
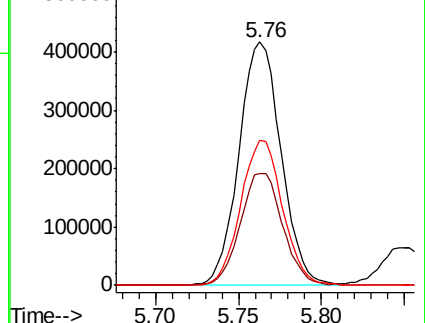
130 59.0 29.9 89.7



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: 10.075 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033309.D

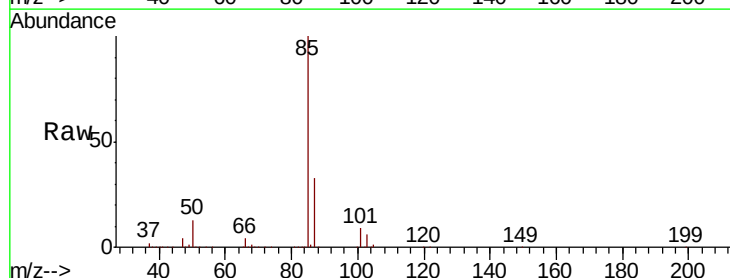
Acq: 14 Mar 2019 10:16

Tgt Ion: 85 Resp: 1376034

Ion Ratio Lower Upper

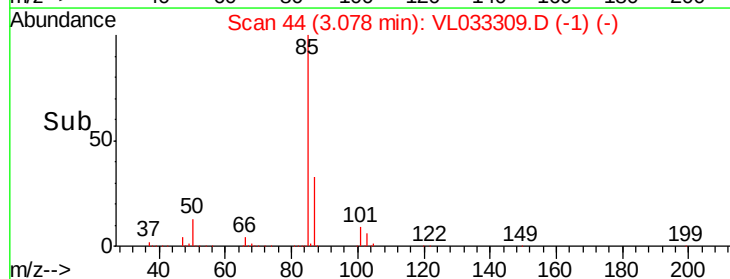
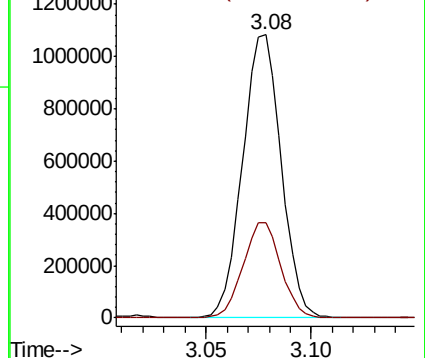
85 100

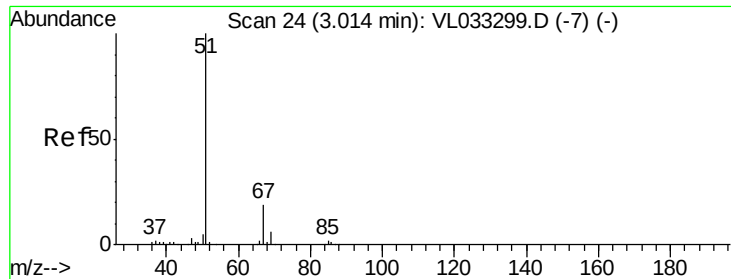
87 33.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

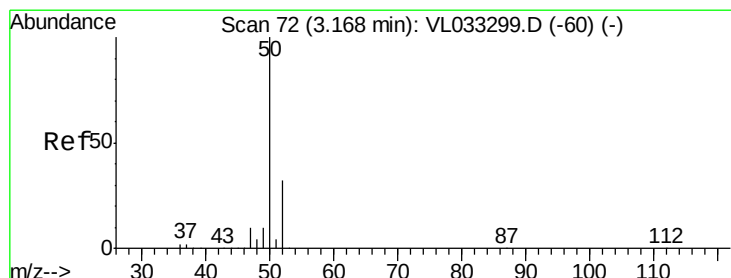
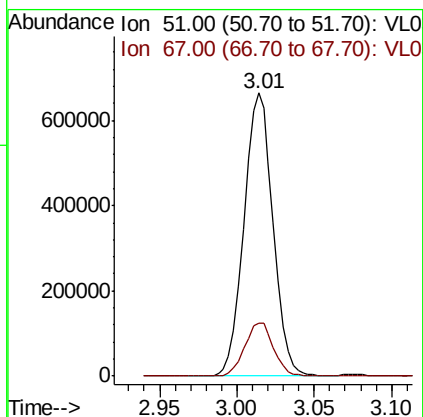
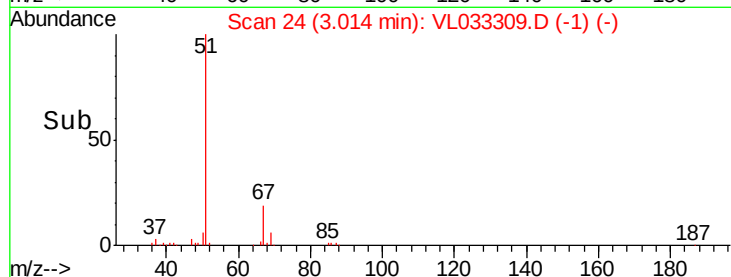
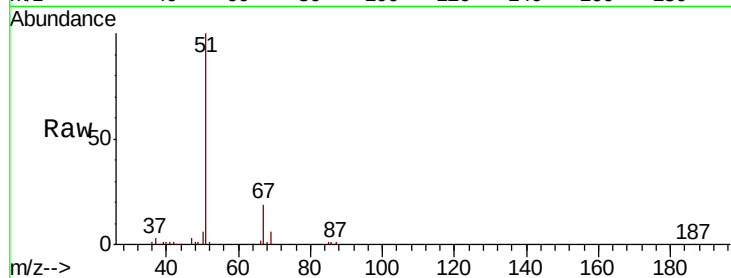




#3
Chlorodifluoromethane
Concen: 8.979 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

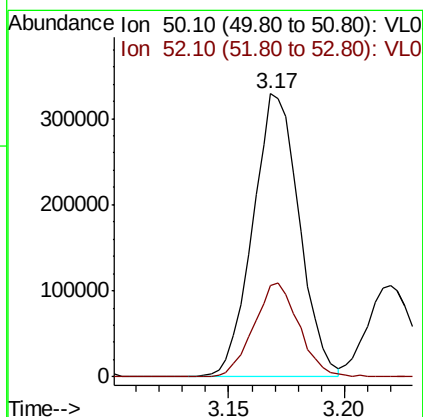
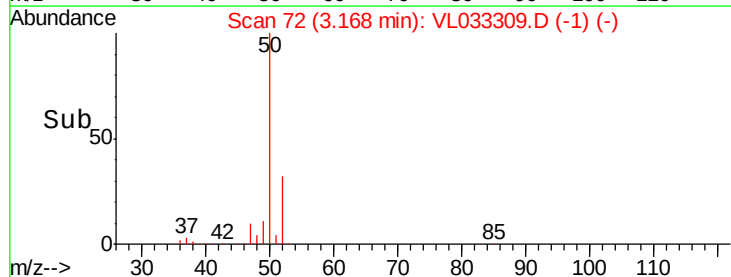
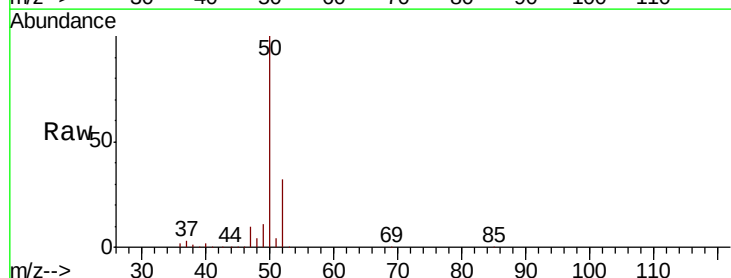
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

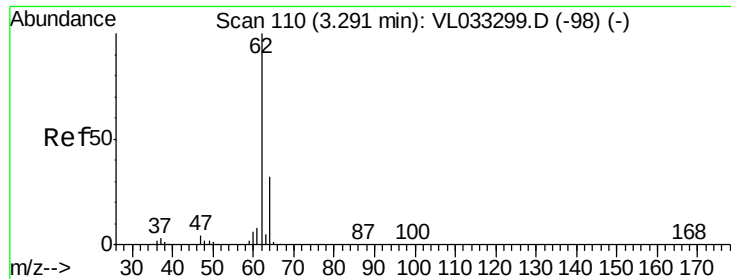
Tgt Ion: 51 Resp: 864632
Ion Ratio Lower Upper
51 100
67 18.7 14.9 22.3



#4
Chloromethane
Concen: 8.814 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 50 Resp: 459471
Ion Ratio Lower Upper
50 100
52 32.2 25.7 38.5





#5

Vinyl Chloride

Concen: 8.691 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

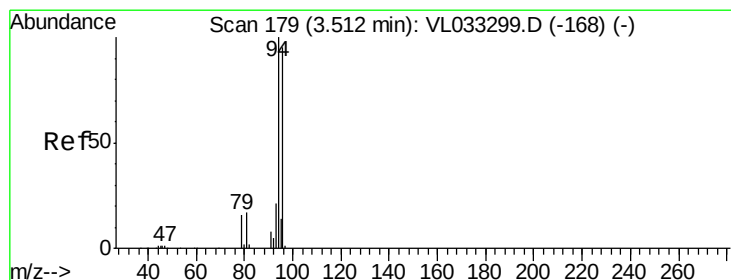
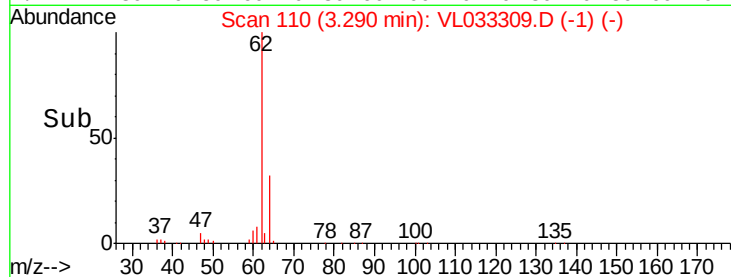
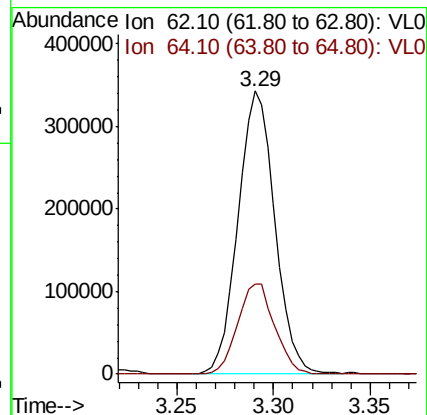
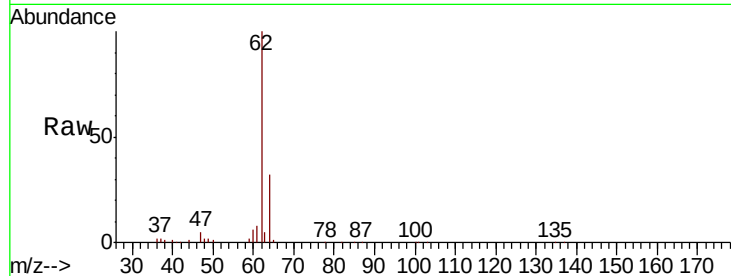
VL0313ABS01

Tgt Ion: 62 Resp: 453514

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3



#6

Bromomethane

Concen: 9.241 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033309.D

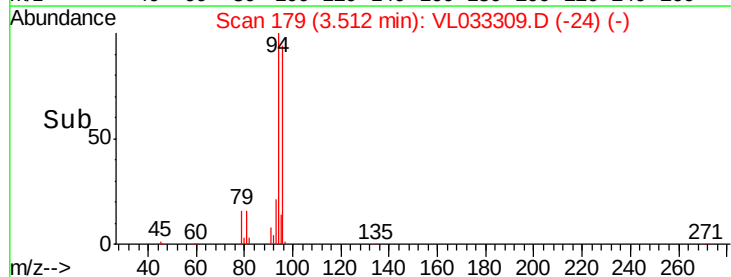
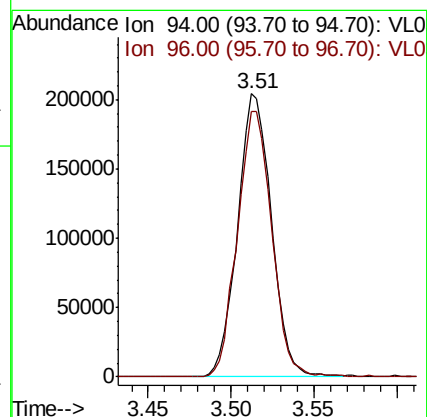
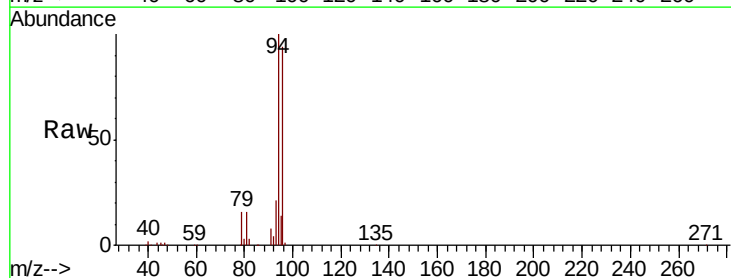
Acq: 14 Mar 2019 10:16

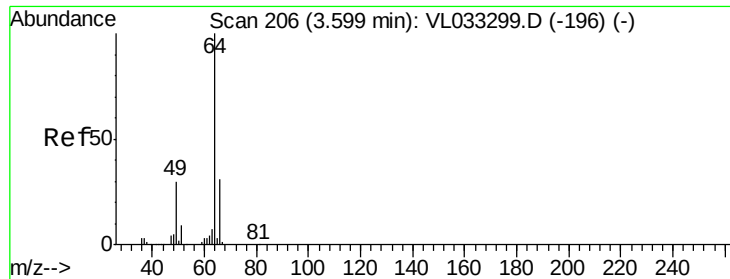
Tgt Ion: 94 Resp: 290337

Ion Ratio Lower Upper

94 100

96 93.8 76.2 114.4





#7

Chloroethane

Concen: 9.261 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

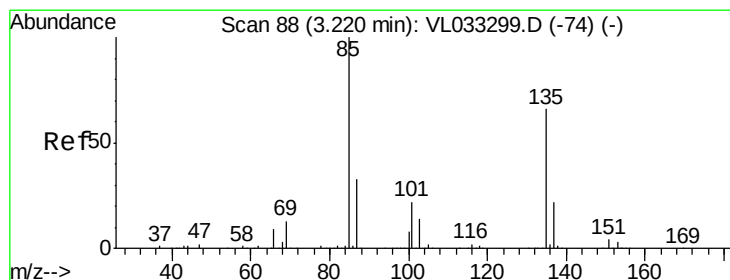
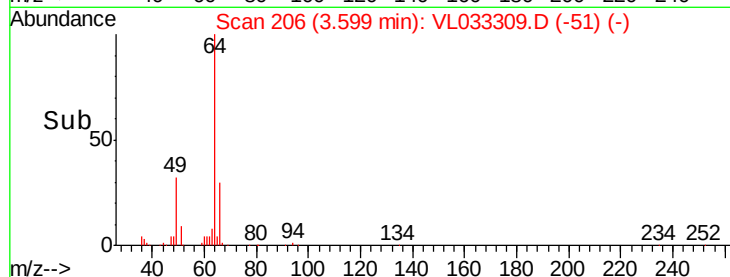
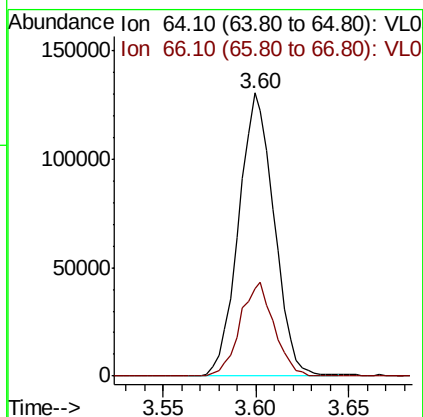
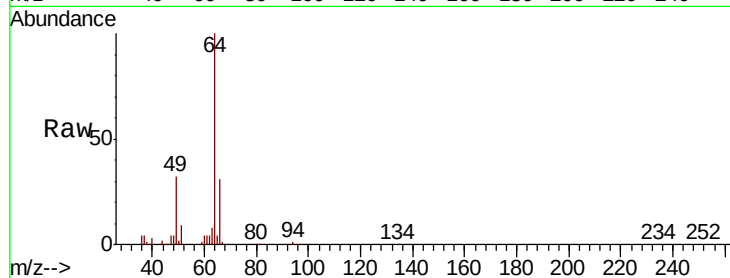
VL0313ABS01

Tgt Ion: 64 Resp: 173041

Ion Ratio Lower Upper

64 100

66 31.0 24.9 37.3



#8

Dichlorotetrafluoroethane

Concen: 9.045 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033309.D

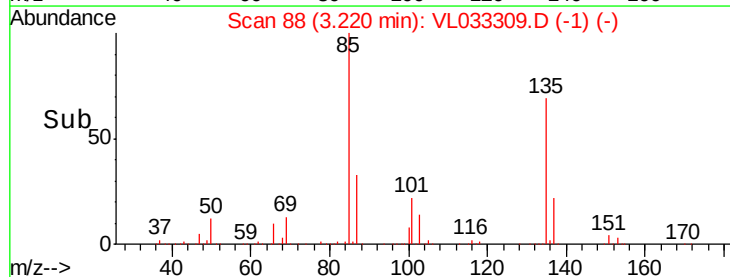
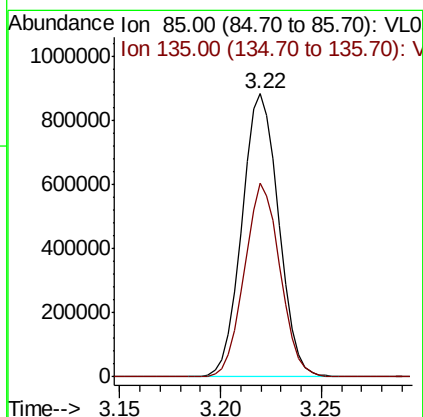
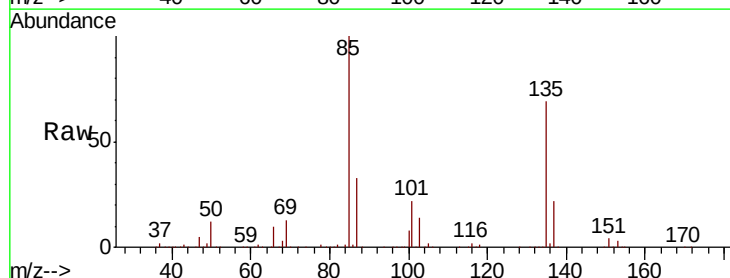
Acq: 14 Mar 2019 10:16

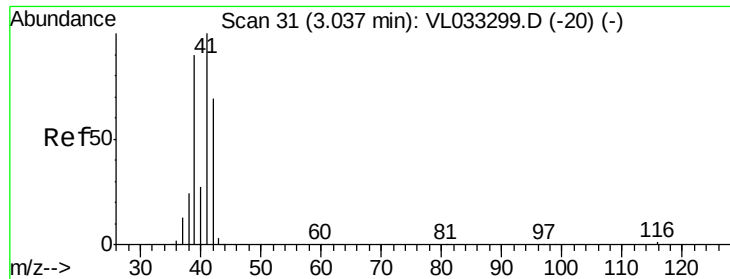
Tgt Ion: 85 Resp: 1128243

Ion Ratio Lower Upper

85 100

135 67.0 52.9 79.3





#9

Propene

Concen: 8.664 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

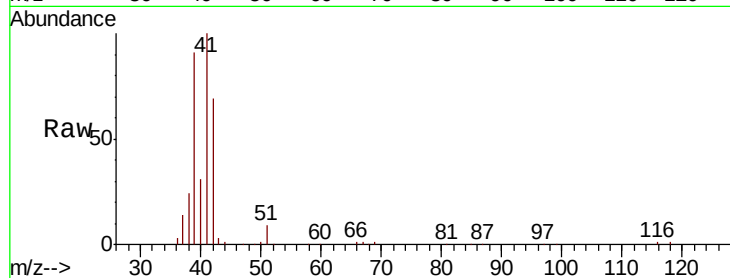
VL0313ABS01

Tgt Ion: 41 Resp: 376517

Ion Ratio Lower Upper

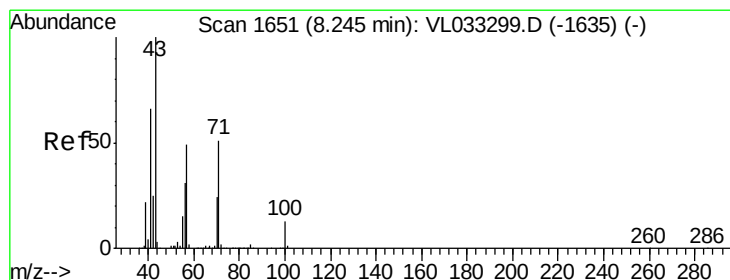
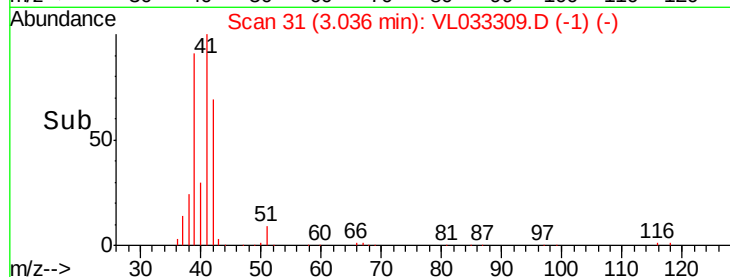
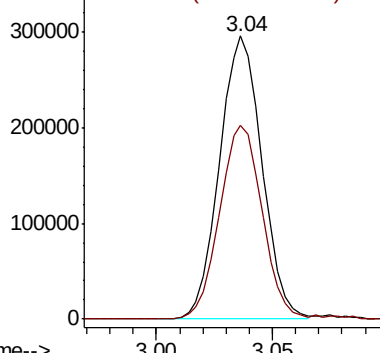
41 100

42 69.8 54.4 81.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.430 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033309.D

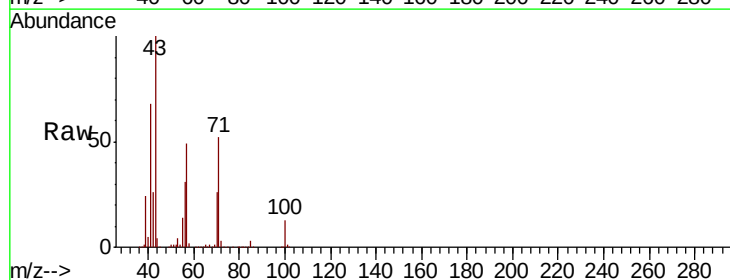
Acq: 14 Mar 2019 10:16

Tgt Ion: 43 Resp: 1001765

Ion Ratio Lower Upper

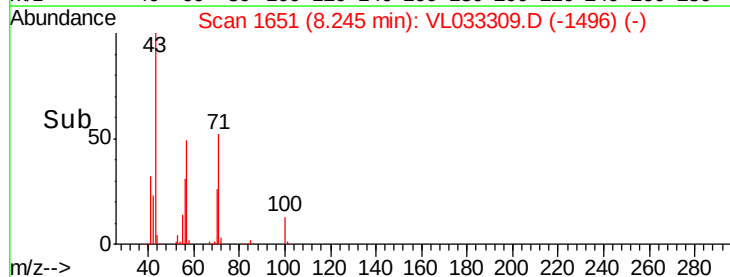
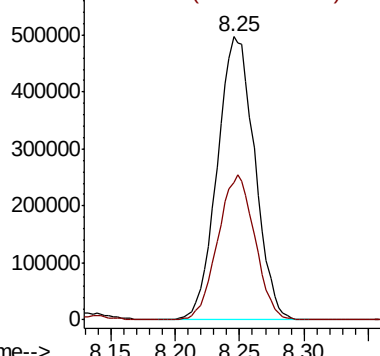
43 100

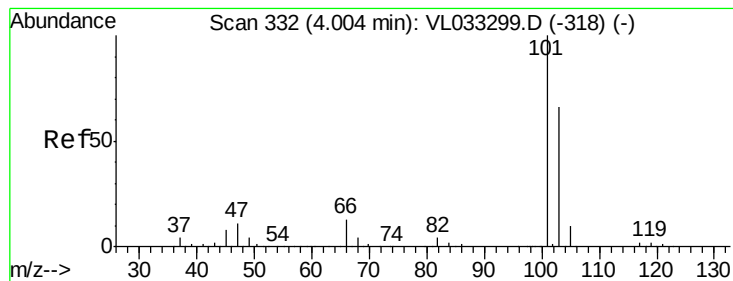
57 50.8 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.217 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

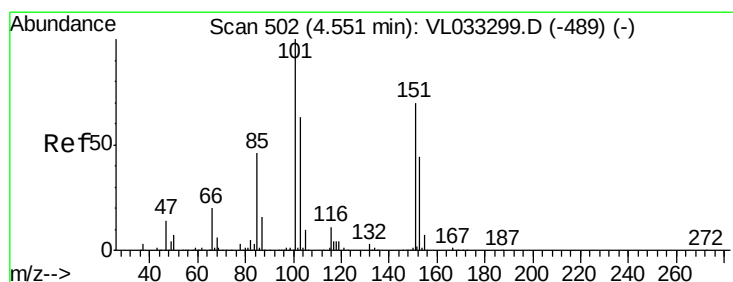
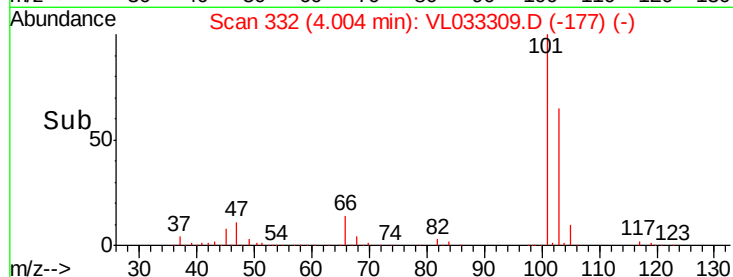
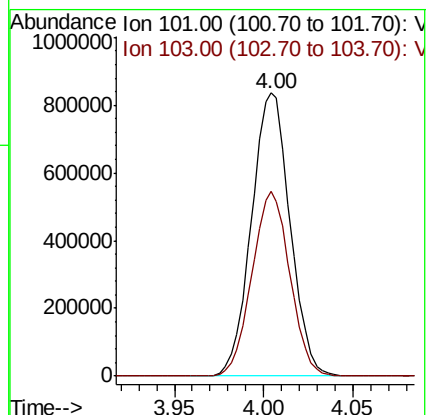
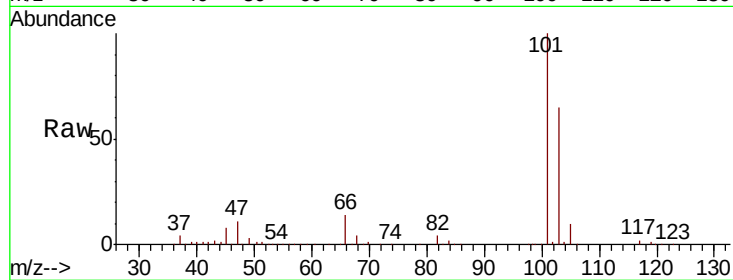
VL0313ABS01

Tgt Ion:101 Resp: 1264908

Ion Ratio Lower Upper

101 100

103 65.4 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.080 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033309.D

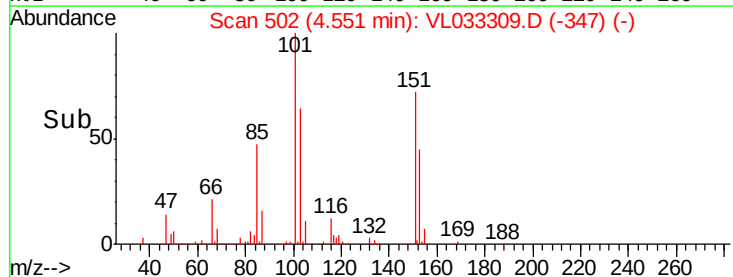
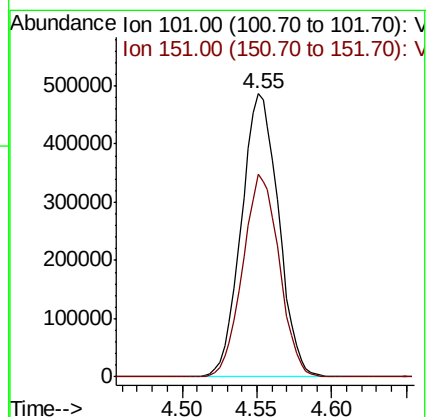
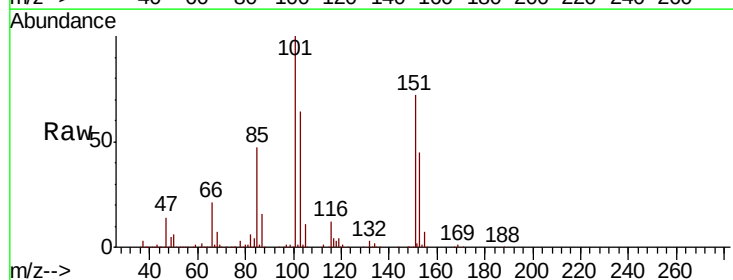
Acq: 14 Mar 2019 10:16

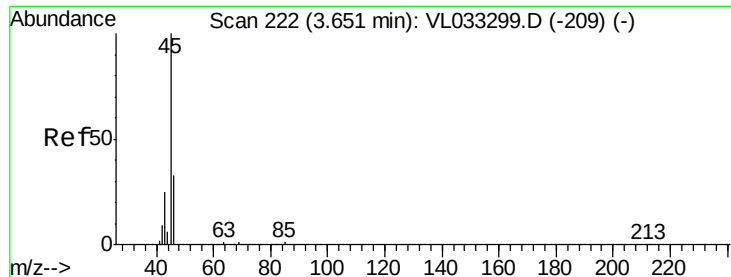
Tgt Ion:101 Resp: 840148

Ion Ratio Lower Upper

101 100

151 70.5 57.2 85.8

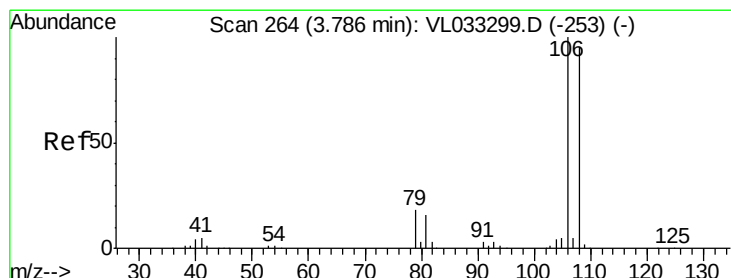
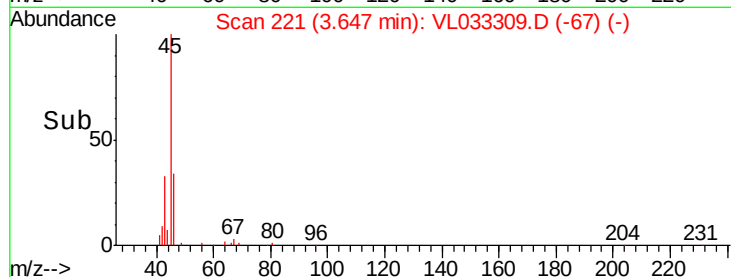
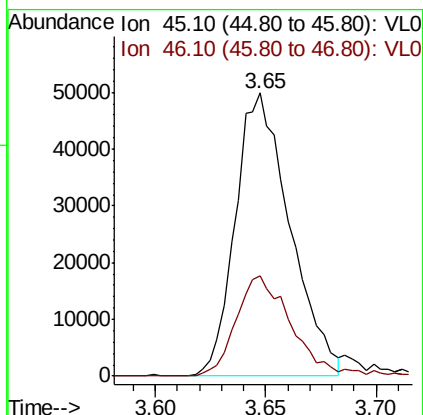
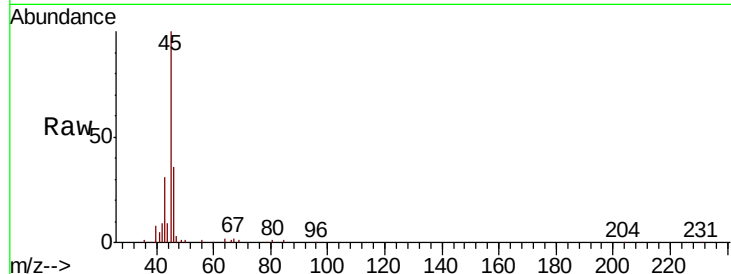




#13
Ethanol
Concen: 6.456 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

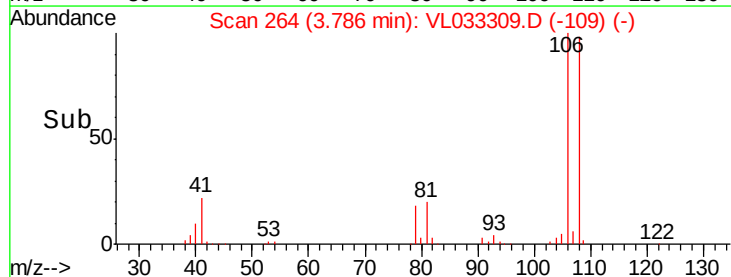
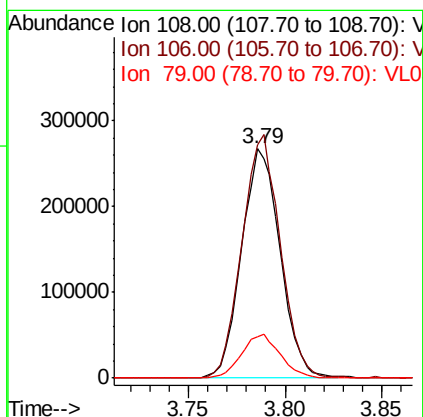
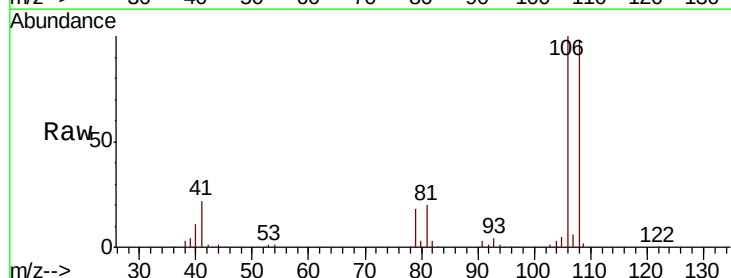
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

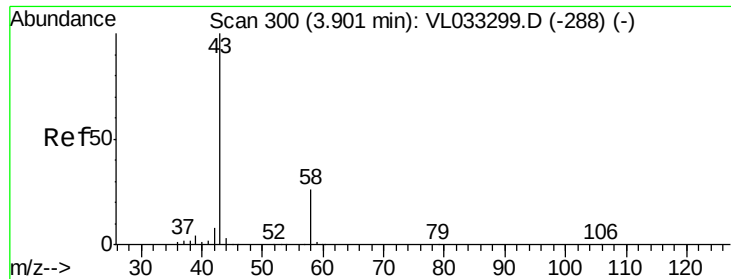
Tgt Ion: 45 Resp: 85871
Ion Ratio Lower Upper
45 100
46 36.4 14.9 59.5



#14
Bromoethene
Concen: 9.654 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 108 Resp: 371276
Ion Ratio Lower Upper
108 100
106 105.8 85.1 127.7
79 19.3 15.0 22.6





#15

Acetone

Concen: 8.061 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

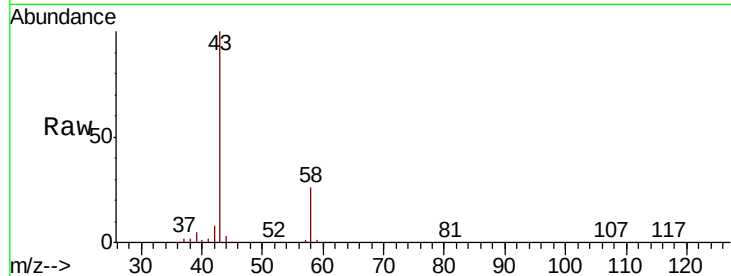
VL0313ABS01

Tgt Ion: 43 Resp: 818167

Ion Ratio Lower Upper

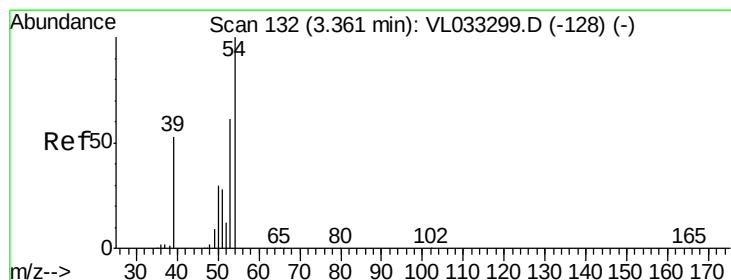
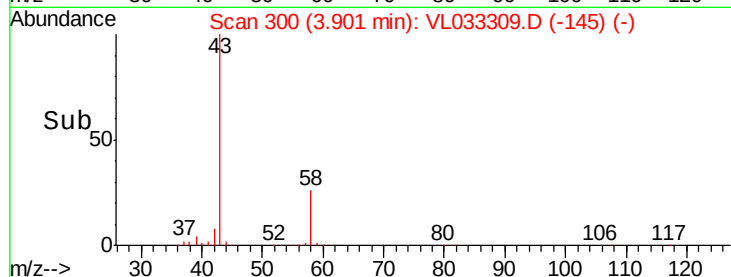
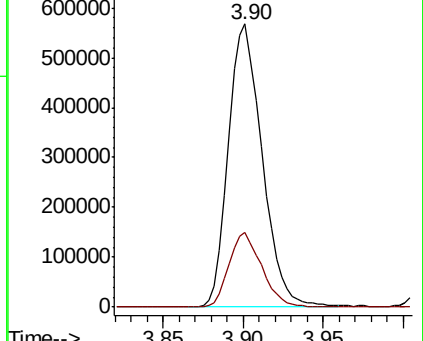
43 100

58 25.6 20.6 31.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.114 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033309.D

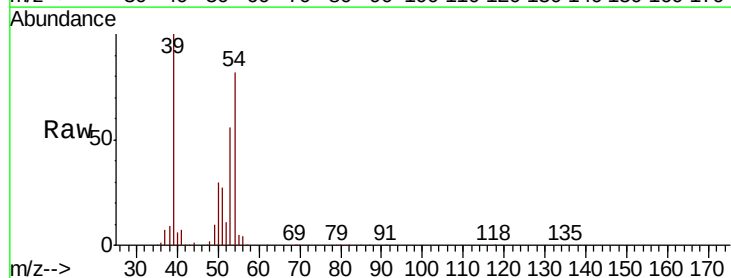
Acq: 14 Mar 2019 10:16

Tgt Ion: 39 Resp: 378790

Ion Ratio Lower Upper

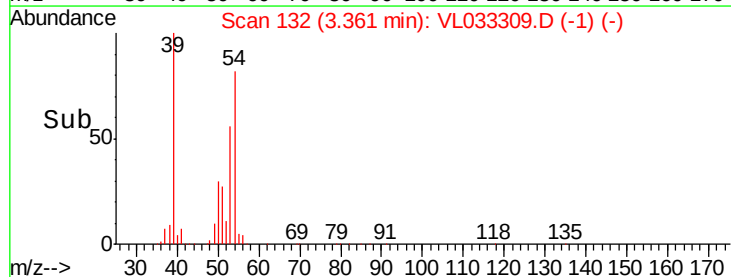
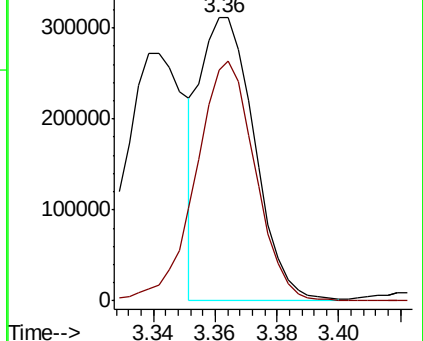
39 100

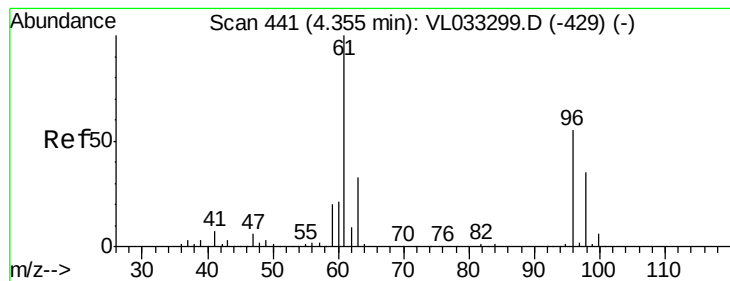
54 93.7 68.4 102.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 8.932 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

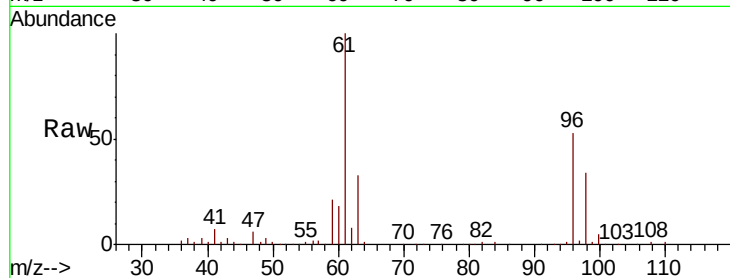
VL0313ABS01

Tgt Ion: 59 Resp: 158111

Ion Ratio Lower Upper

59 100

57 9.9 7.4 11.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

80000

60000

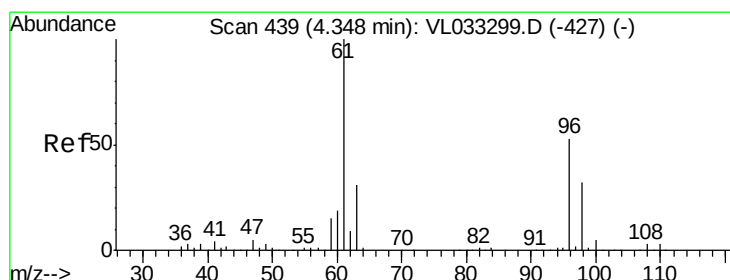
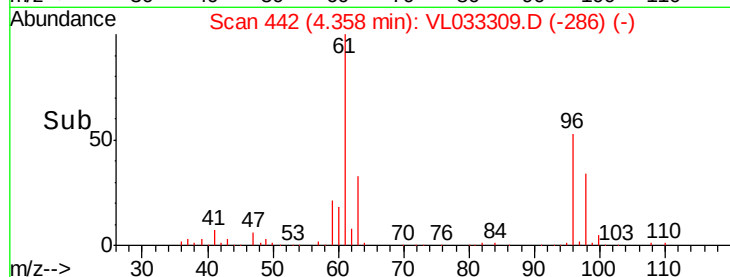
40000

20000

0

4.30 4.35 4.40 4.45

Time-->



#18

1,1-Dichloroethene

Concen: 9.488 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

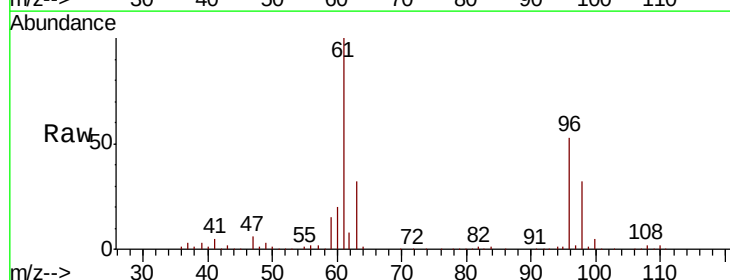
Tgt Ion: 96 Resp: 387722

Ion Ratio Lower Upper

96 100

61 187.1 152.3 228.5

98 60.4 48.6 72.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

600000

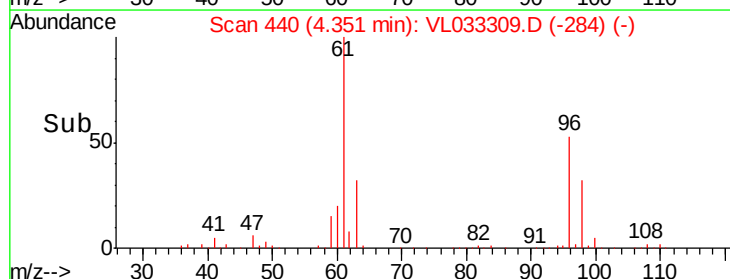
400000

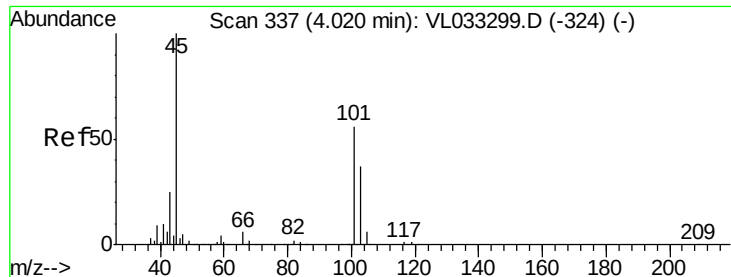
200000

0

4.30 4.35 4.40

Time-->





#19

Isopropyl Alcohol

Concen: 8.637 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

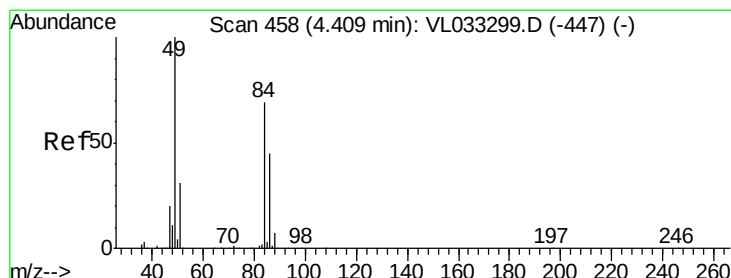
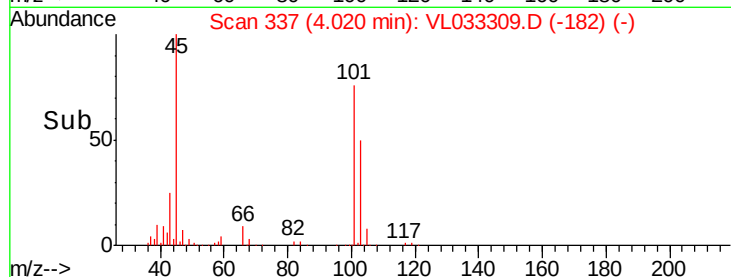
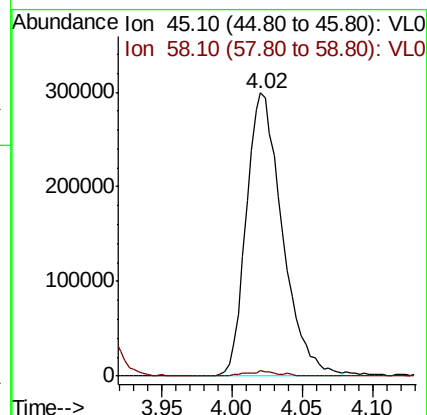
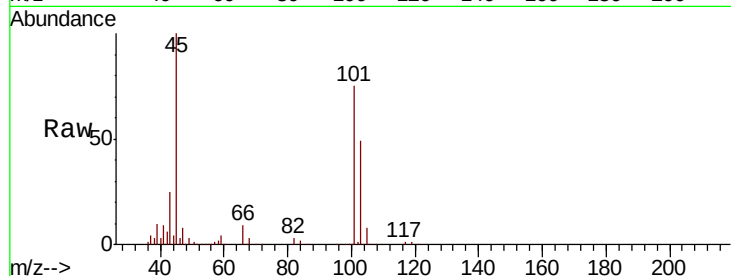
VL0313ABS01

Tgt Ion: 45 Resp: 536310

Ion Ratio Lower Upper

45 100

58 1.9 1.4 2.0



#20

Methylene Chloride

Concen: 7.887 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Tgt Ion: 84 Resp: 324080

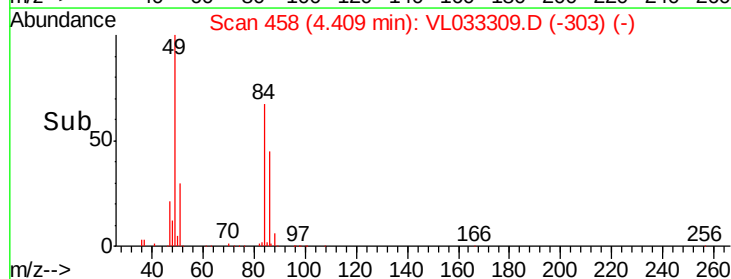
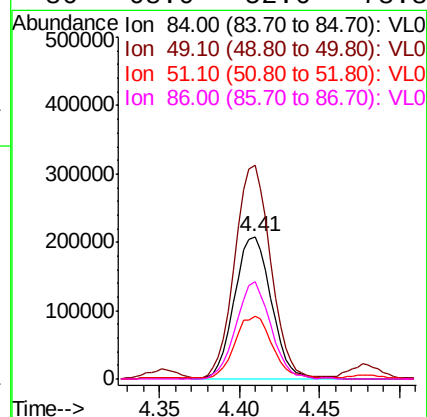
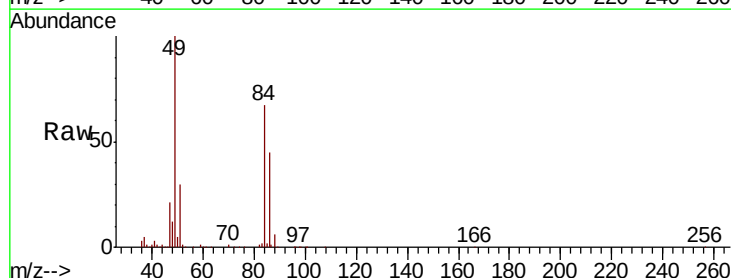
Ion Ratio Lower Upper

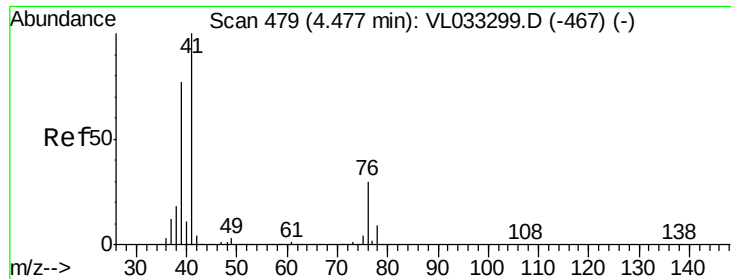
84 100

49 149.2 115.4 173.2

51 43.9 35.7 53.5

86 68.0 52.6 78.8

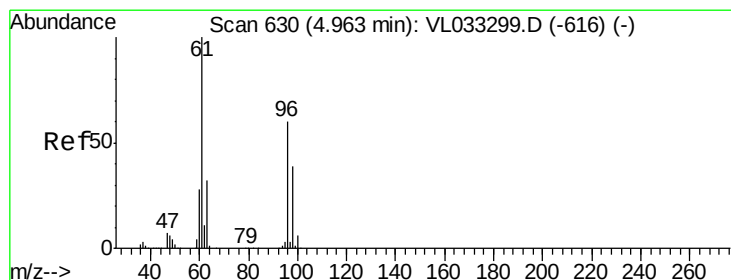
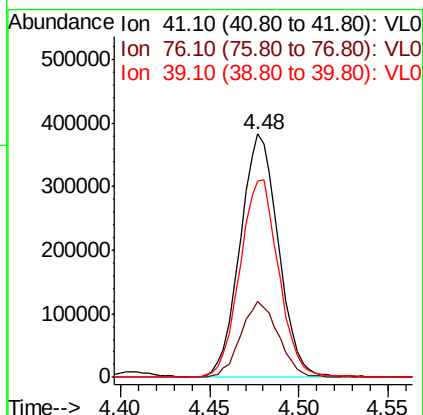
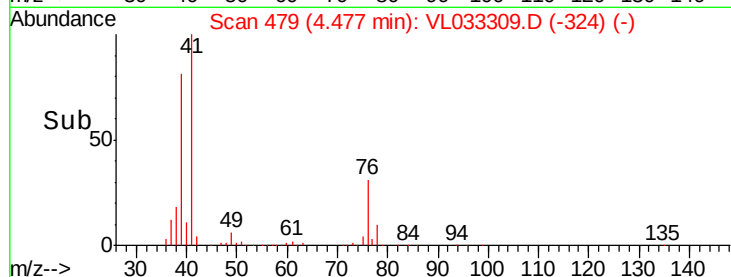
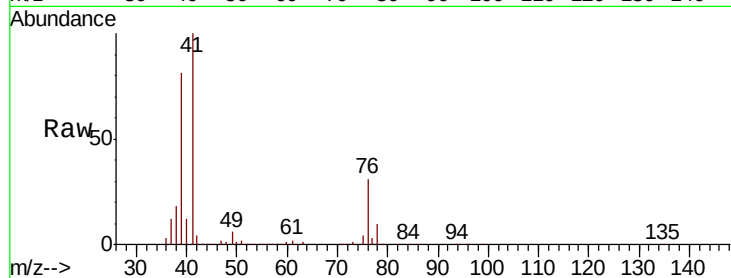




#21
 Allyl Chloride
 Concen: 9.350 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

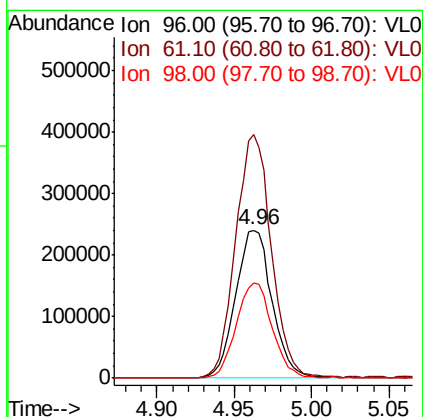
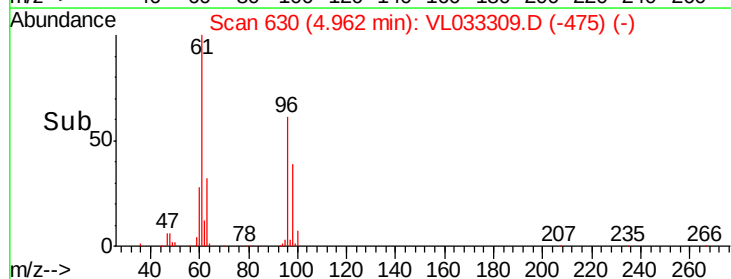
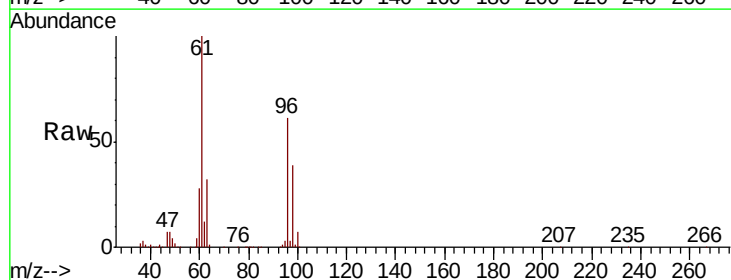
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

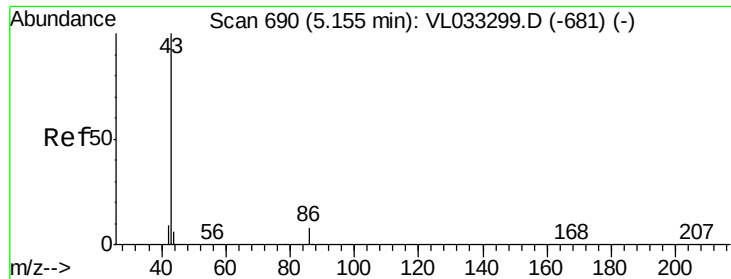
Tgt Ion: 41 Resp: 572945
 Ion Ratio Lower Upper
 41 100
 76 30.8 24.3 36.5
 39 82.6 64.4 96.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.520 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Tgt Ion: 96 Resp: 392452
 Ion Ratio Lower Upper
 96 100
 61 164.3 132.7 199.1
 98 64.4 52.4 78.6



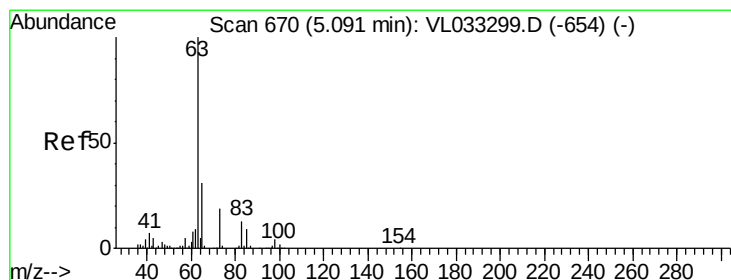
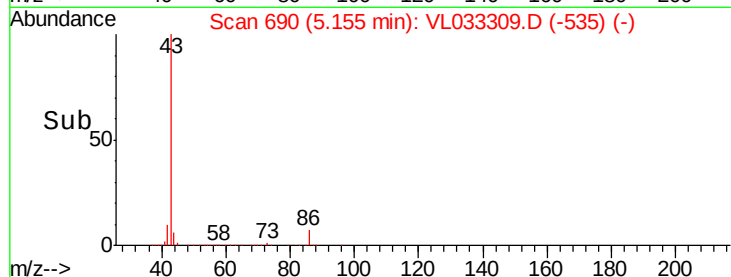
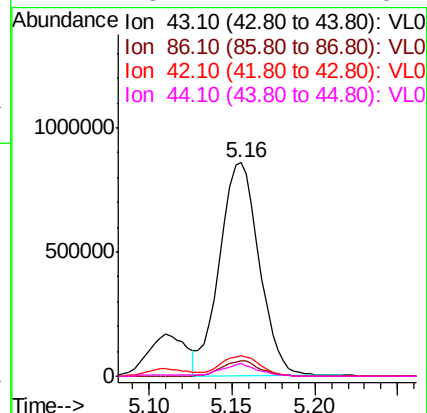
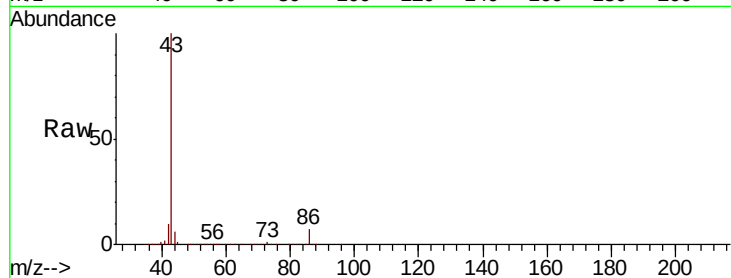


#23
 Vinyl Acetate
 Concen: 9.662 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

Tgt Ion: 43 Resp: 1423772

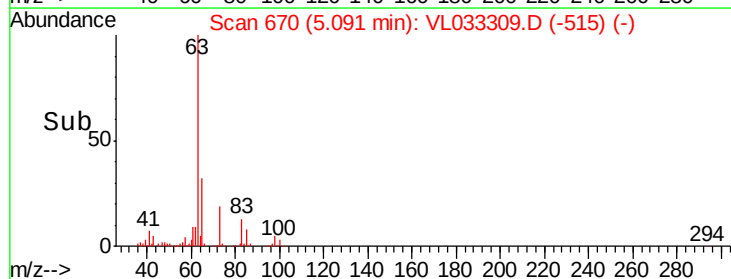
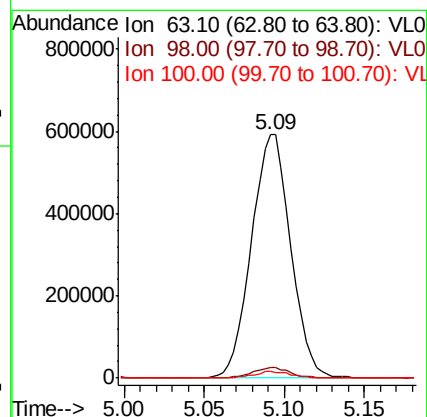
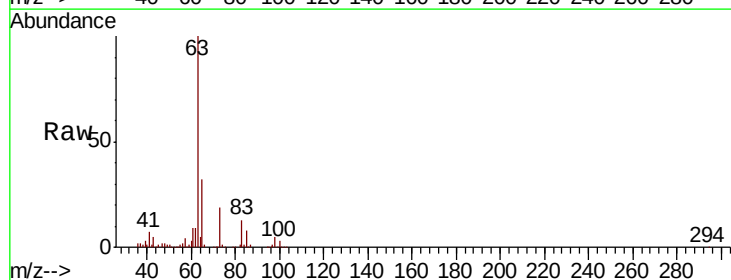
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.8
42	9.7	7.8	11.8
44	5.7	4.1	6.1

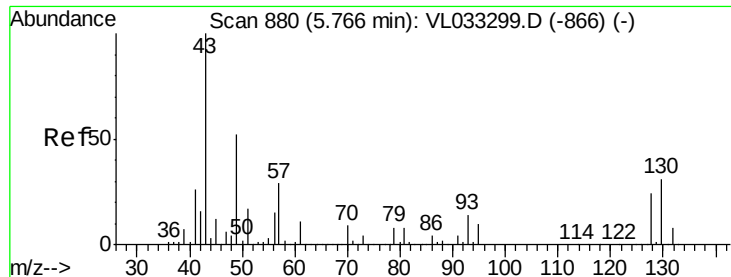


#24
 1,1-Dichloroethane
 Concen: 9.301 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Tgt Ion: 63 Resp: 991474

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.8	1.3	3.8



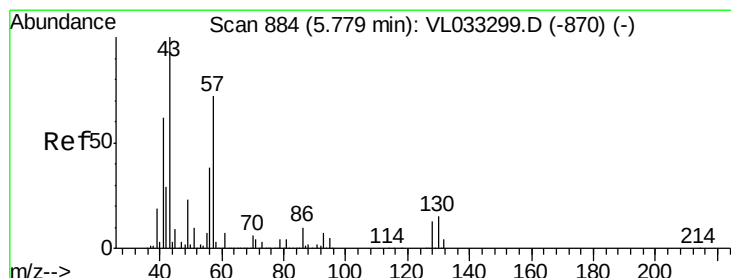
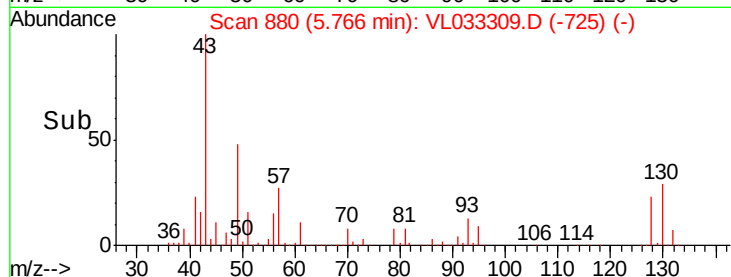
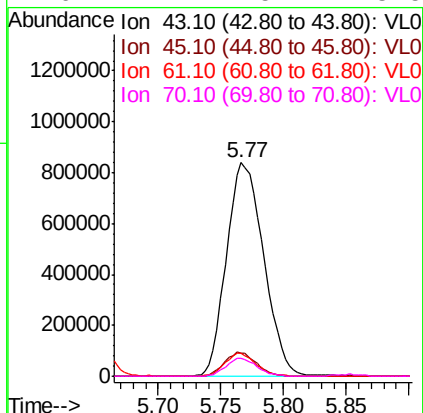
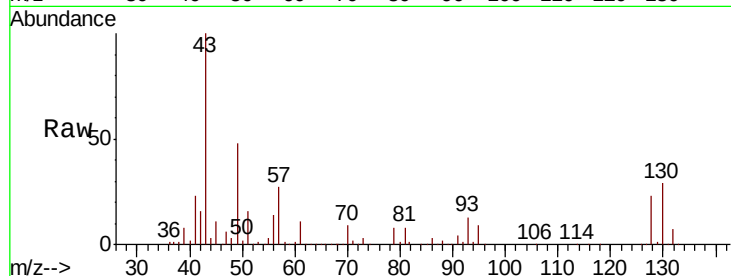


#25
Ethyl Acetate
Concen: 9.342 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

Tgt Ion: 43 Resp: 1727248

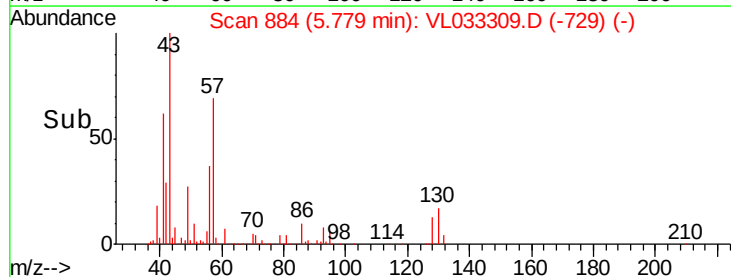
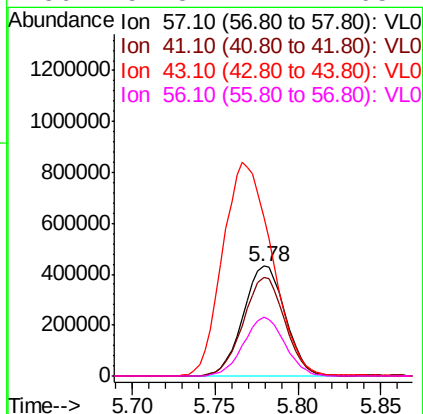
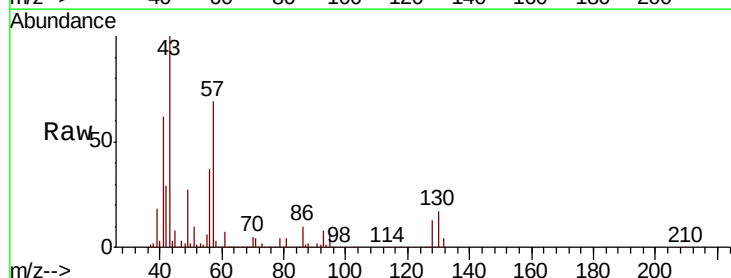
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.2	7.5	11.3
70	7.1	5.7	8.5

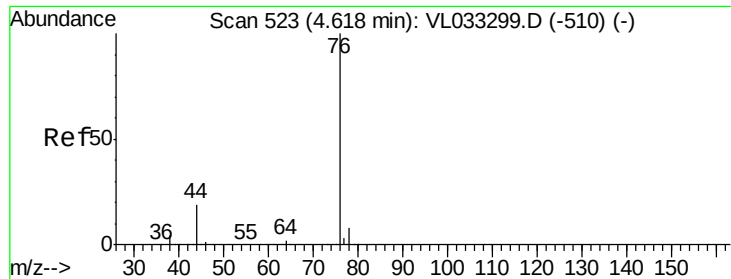


#26
Hexane
Concen: 8.827 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 57 Resp: 762563

Ion	Ratio	Lower	Upper
57	100		
41	89.0	71.6	107.4
43	227.2	179.2	268.8
56	52.3	42.2	63.2





#27

Carbon Disulfide

Concen: 10.424 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

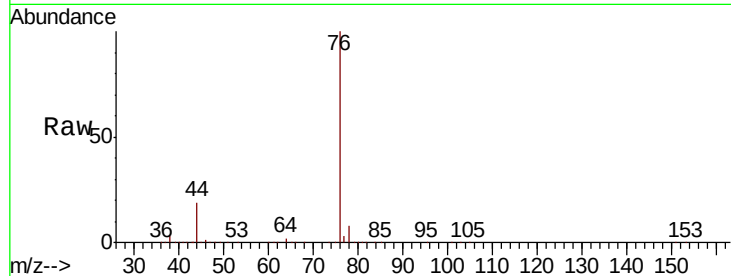
Tgt Ion: 76 Resp: 963042

Ion Ratio Lower Upper

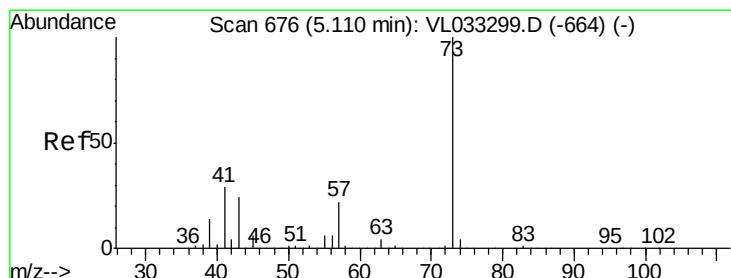
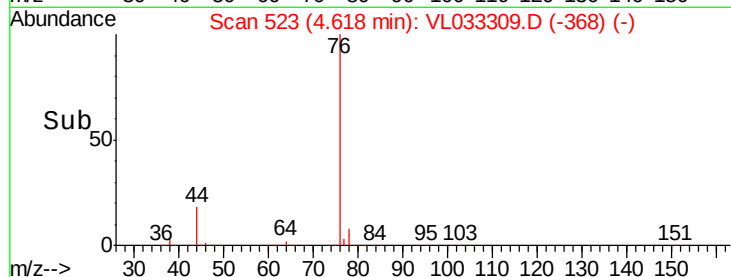
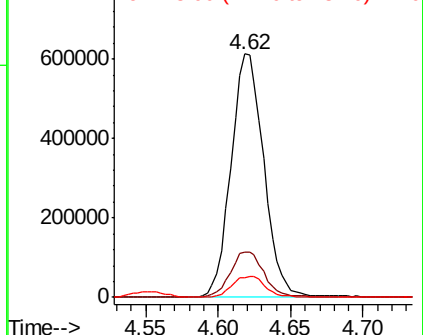
76 100

44 19.1 14.7 22.1

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.420 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033309.D

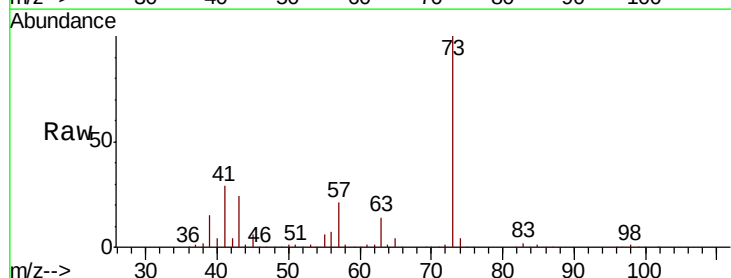
Acq: 14 Mar 2019 10:16

Tgt Ion: 73 Resp: 1169916

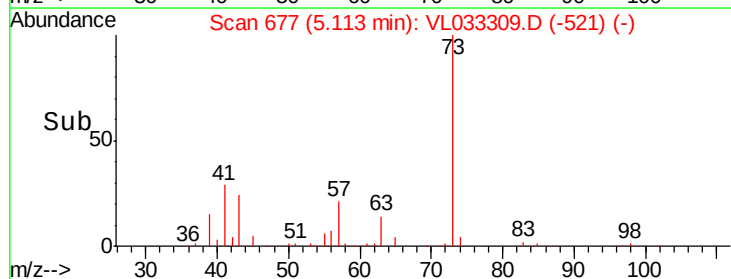
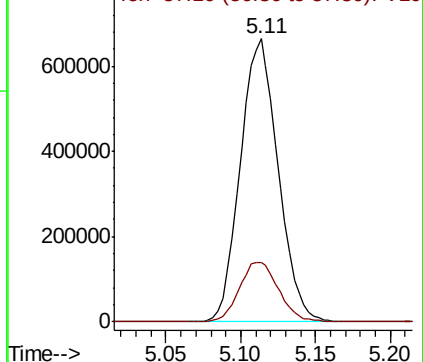
Ion Ratio Lower Upper

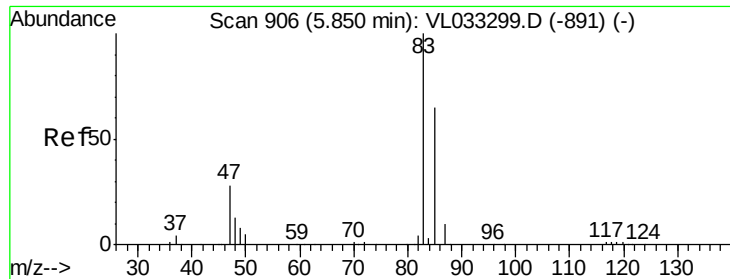
73 100

57 21.9 17.4 26.0



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

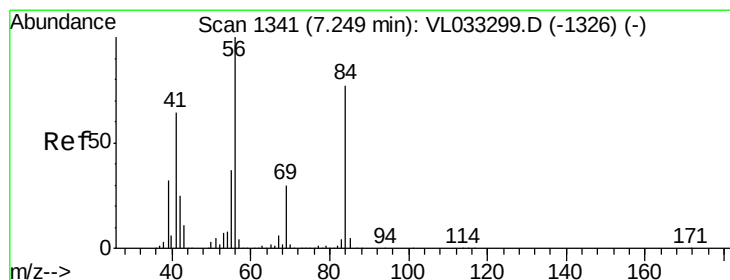
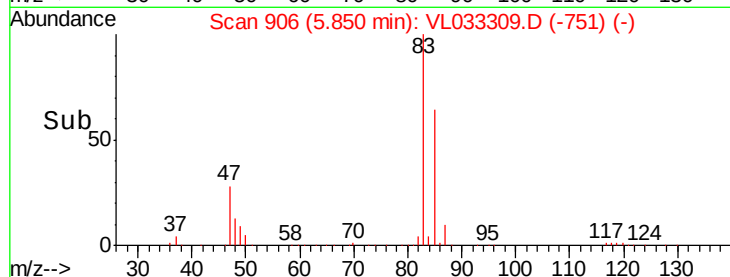
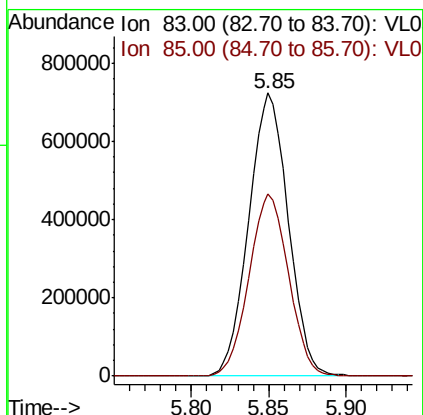
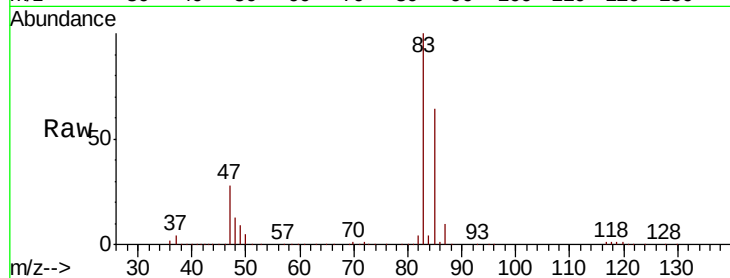




#29
Chloroform
Concen: 9.580 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

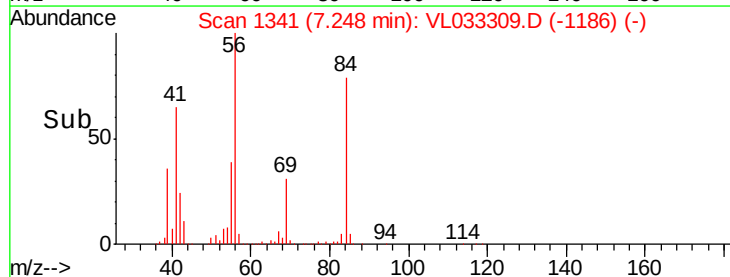
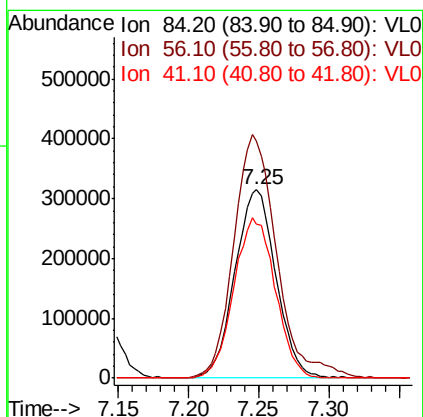
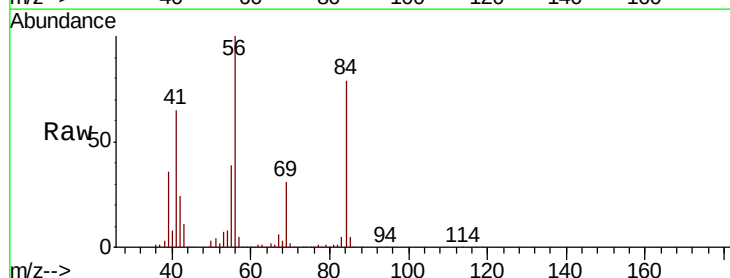
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

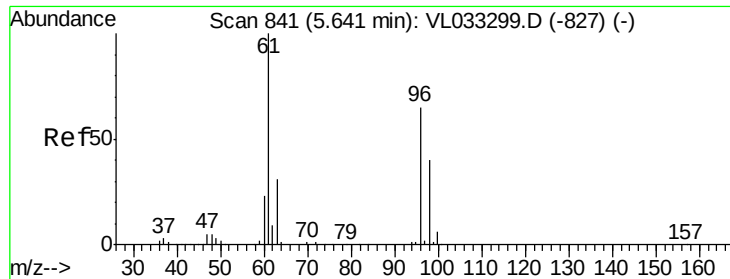
Tgt Ion: 83 Resp: 1286542
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.4



#30
Cyclohexane
Concen: 9.570 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 84 Resp: 641803
Ion Ratio Lower Upper
84 100
56 135.9 109.8 164.8
41 86.0 68.1 102.1



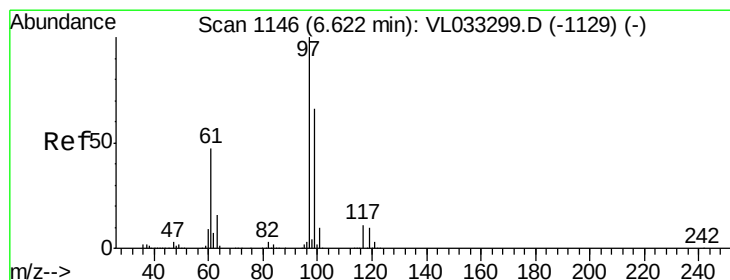
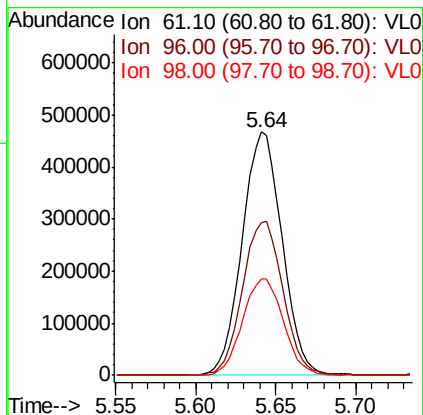
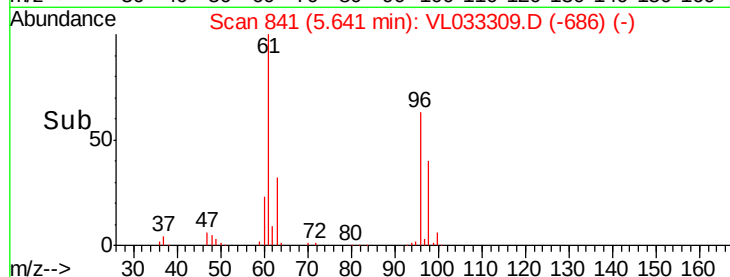
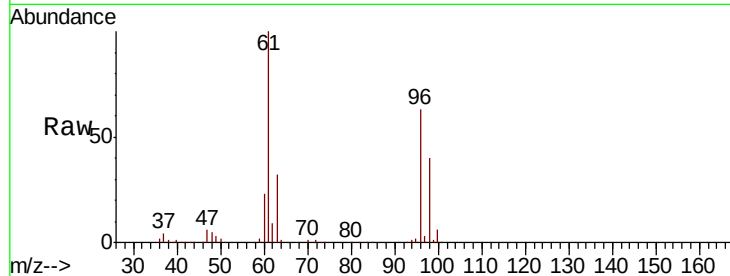


#31

cis-1,2-Dichloroethene
Concen: 9.564 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

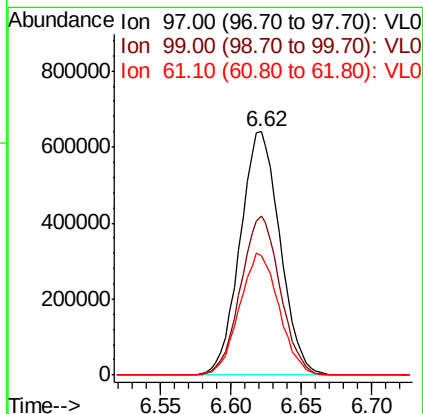
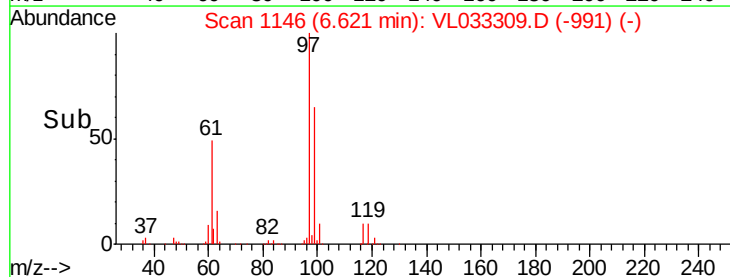
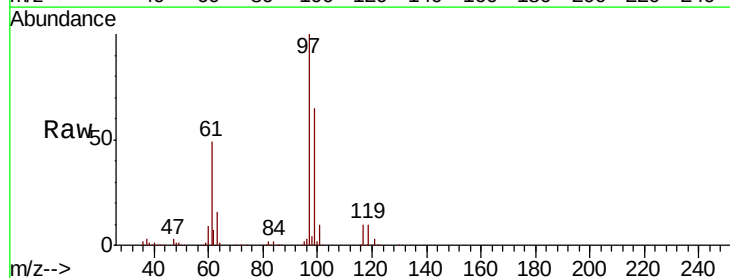
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.5	51.8	77.6
98	39.7	32.3	48.5

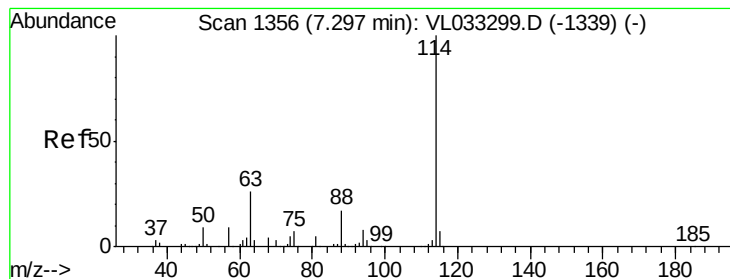


#32

1,1,1-Trichloroethane
Concen: 9.723 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	49.8	39.4	59.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

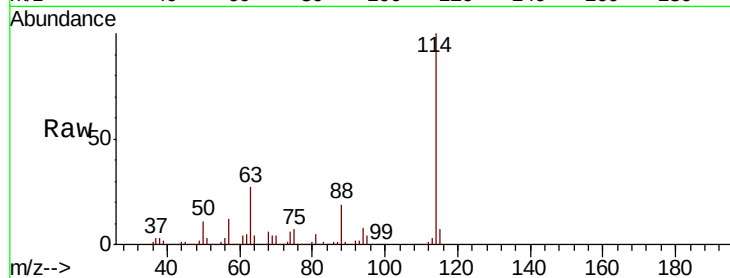
Tgt Ion:114 Resp: 1671223

Ion Ratio Lower Upper

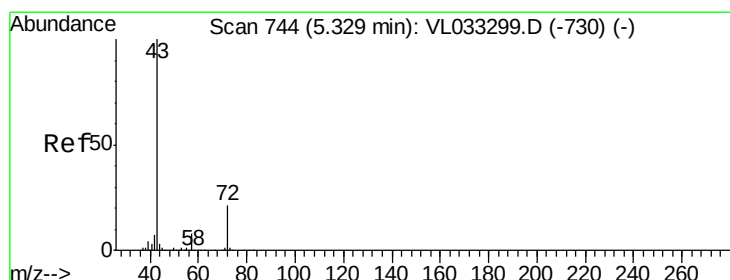
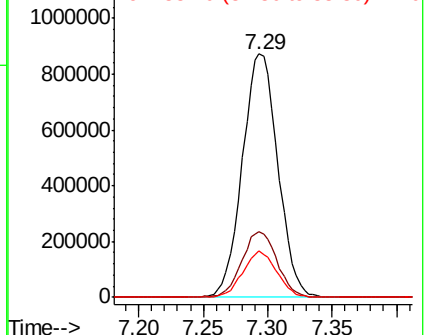
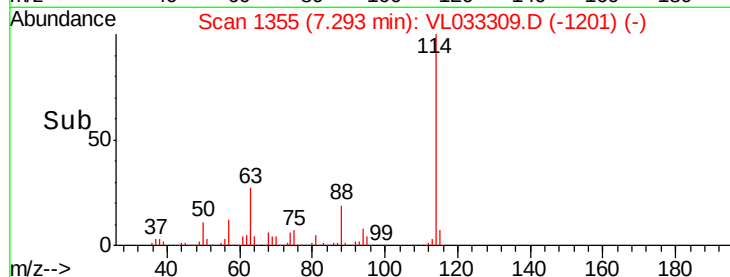
114 100

63 27.2 21.3 31.9

88 18.2 14.5 21.7



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: 9.639 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.00 min

Lab File: VL033309.D

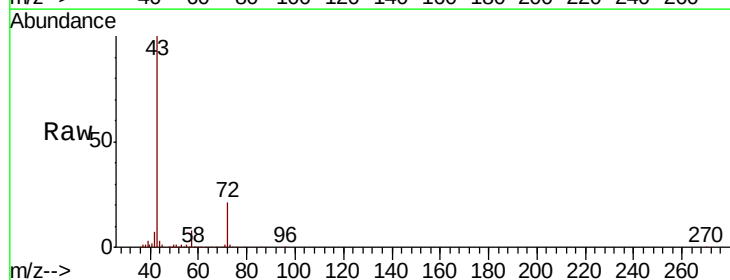
Acq: 14 Mar 2019 10:16

Tgt Ion: 43 Resp: 1113771

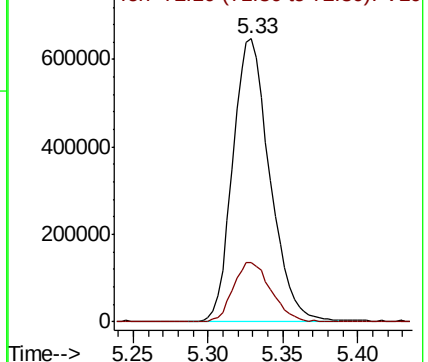
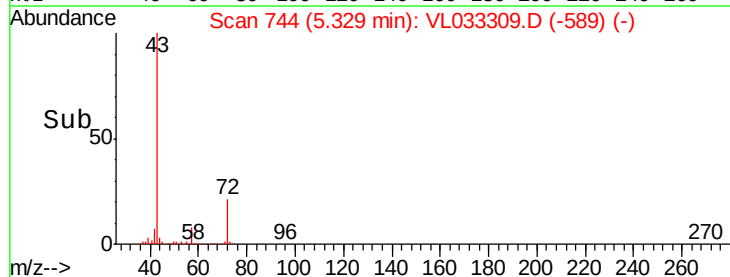
Ion Ratio Lower Upper

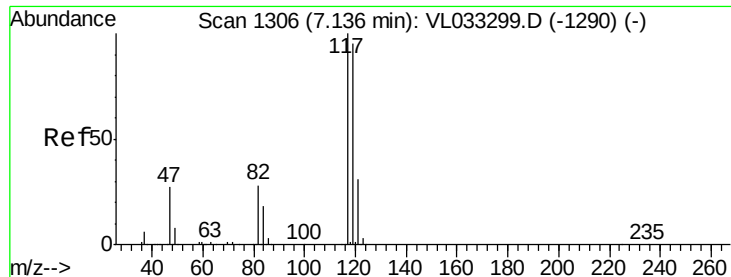
43 100

72 21.7 17.2 25.8



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





#35

Carbon Tetrachloride

Concen: 10.251 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

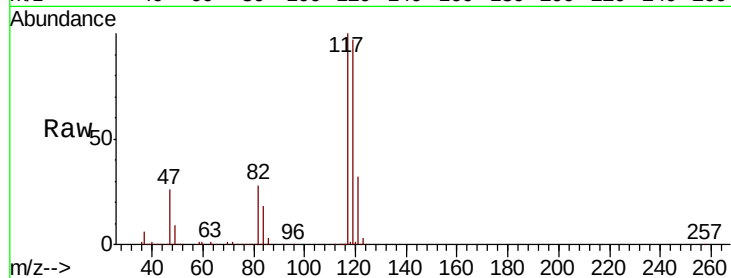
Tgt Ion:117 Resp: 1316959

Ion Ratio Lower Upper

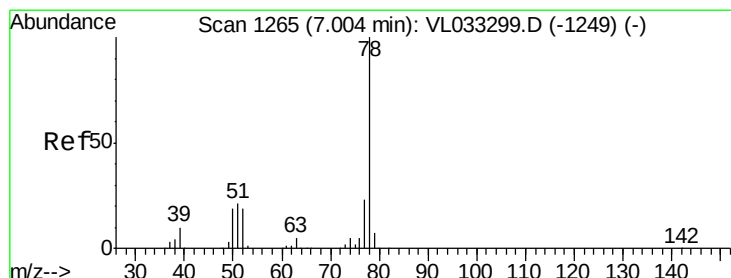
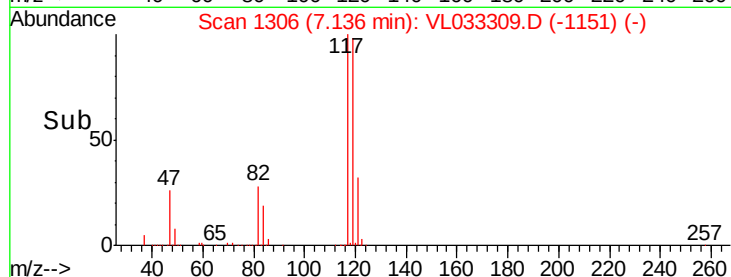
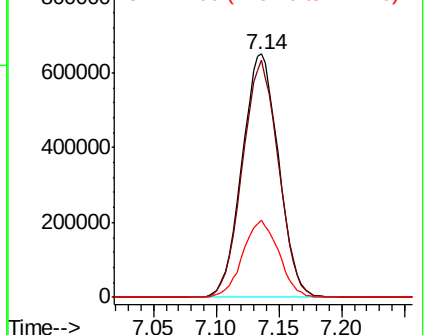
117 100

119 97.4 75.9 113.9

121 31.8 25.2 37.8



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: 9.739 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

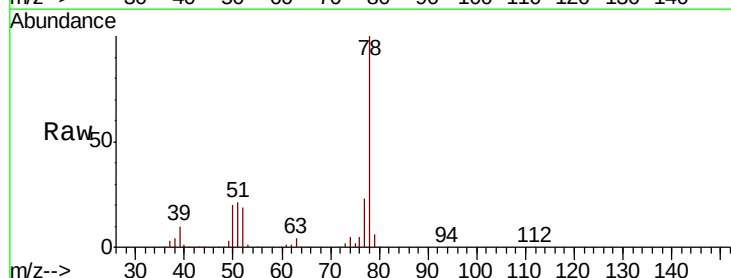
Tgt Ion: 78 Resp: 1598445

Ion Ratio Lower Upper

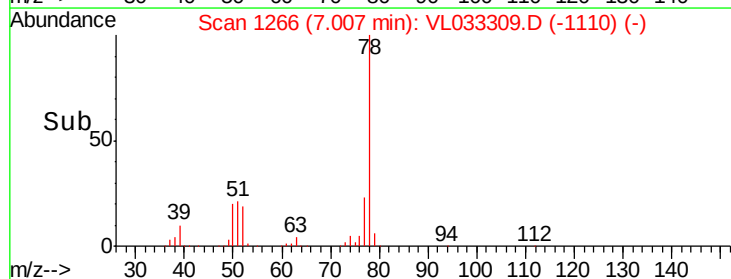
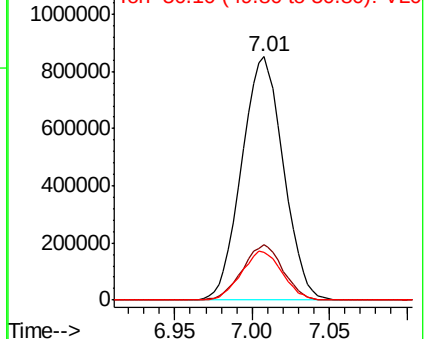
78 100

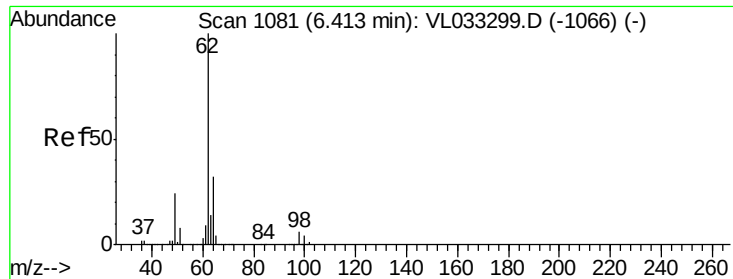
77 22.8 18.6 28.0

50 19.7 15.2 22.8



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

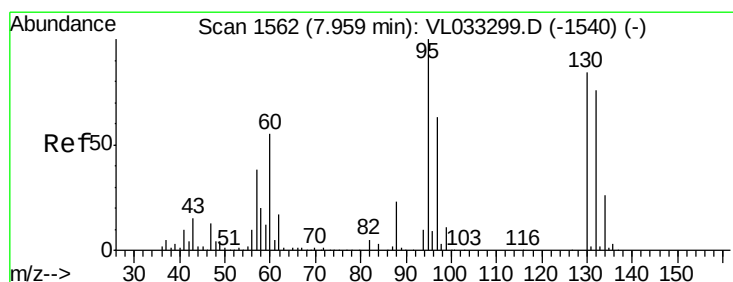
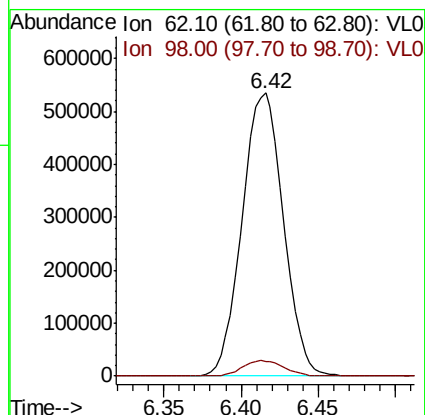
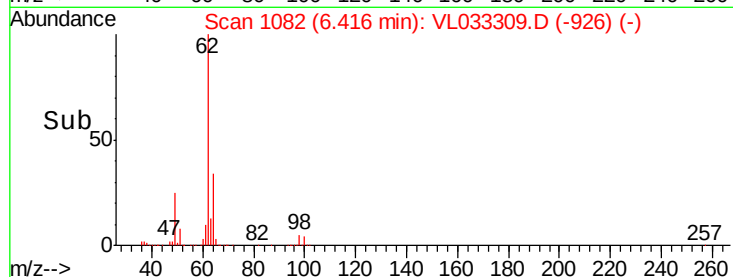
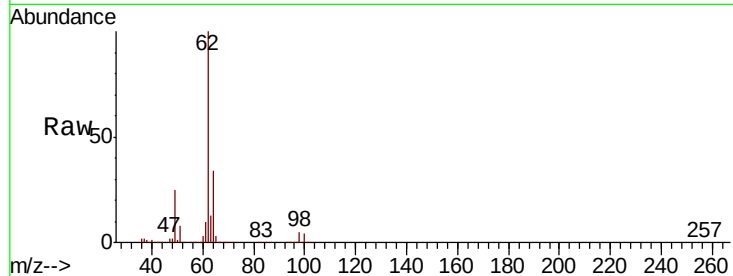




#37
 1,2-Dichloroethane
 Concen: 10.150 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

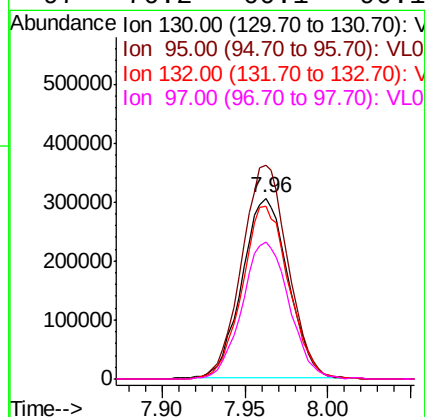
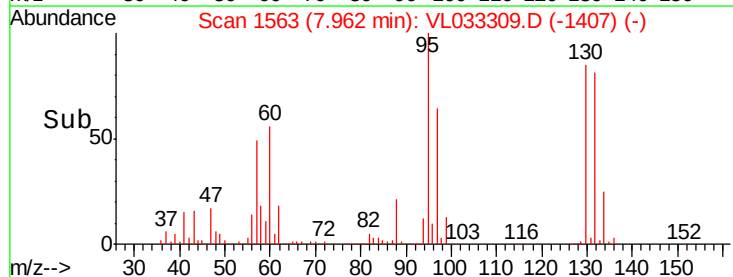
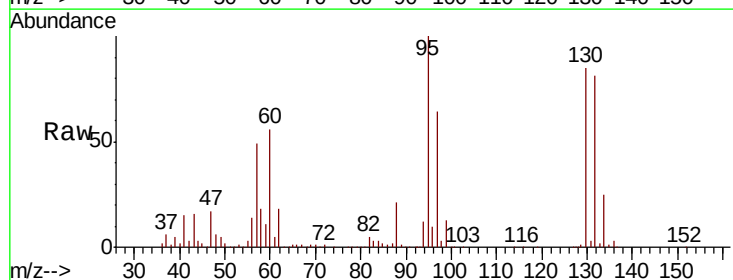
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

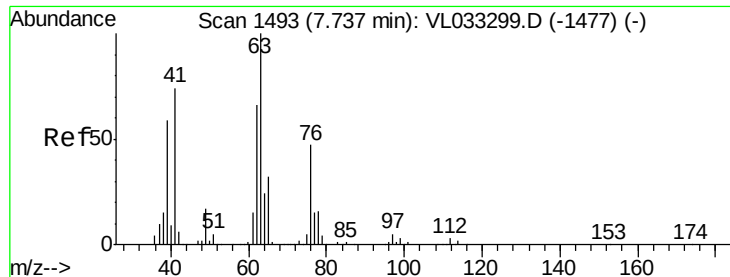
Tgt Ion: 62 Resp: 995235
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.4 6.6



#38
 Trichloroethene
 Concen: 9.096 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Tgt Ion: 130 Resp: 590278
 Ion Ratio Lower Upper
 130 100
 95 118.2 95.2 142.8
 132 95.8 72.5 108.7
 97 76.2 60.1 90.1





#39

1,2-Dichloropropane

Concen: 9.493 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

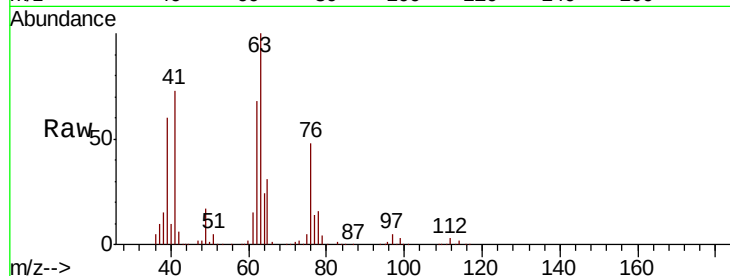
Tgt Ion: 63 Resp: 598342

Ion Ratio Lower Upper

63 100

41 72.2 59.0 88.4

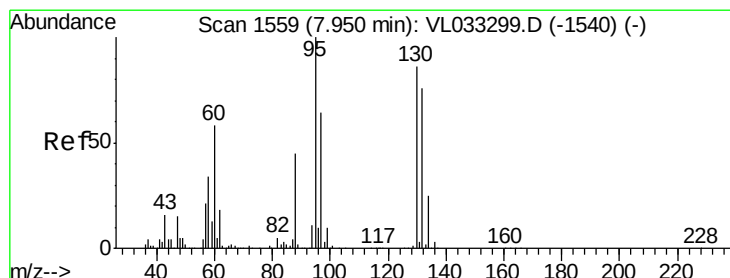
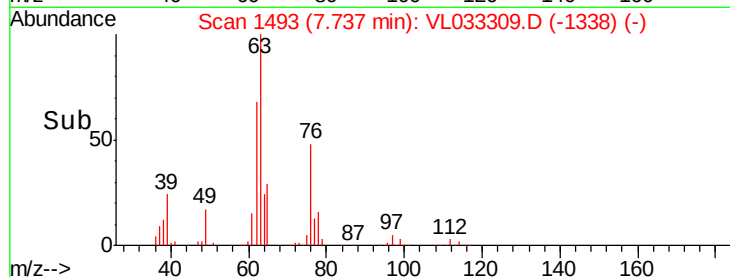
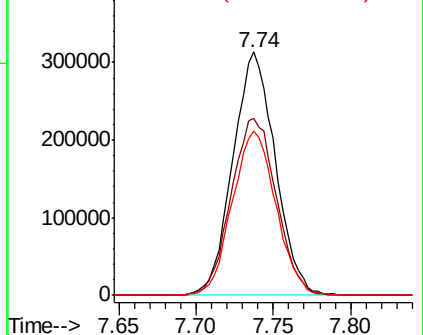
62 67.3 53.0 79.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.220 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Tgt Ion: 88 Resp: 209998

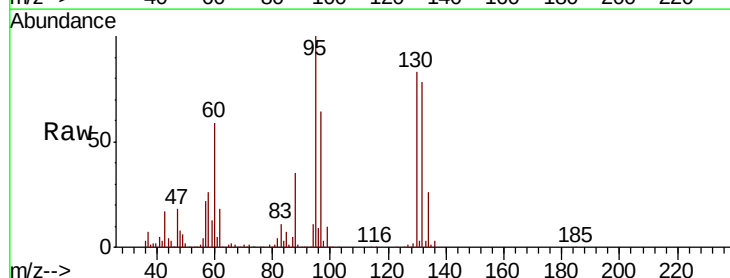
Ion Ratio Lower Upper

88 100

58 134.4 97.7 146.5

43 283.7 199.4 299.2

57 1255.5 875.6 1313.4

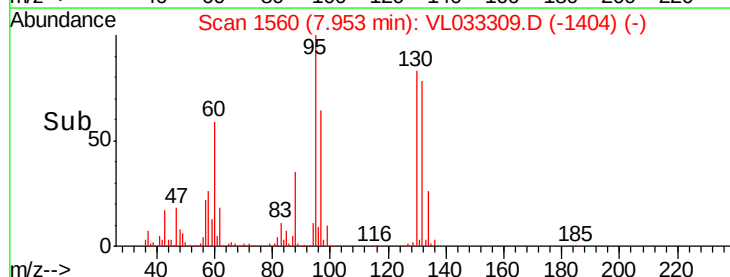
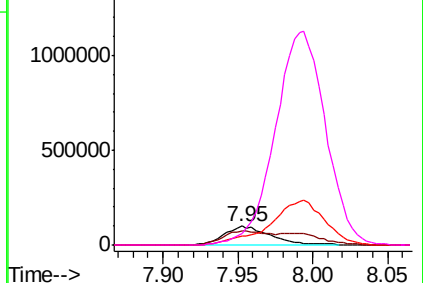


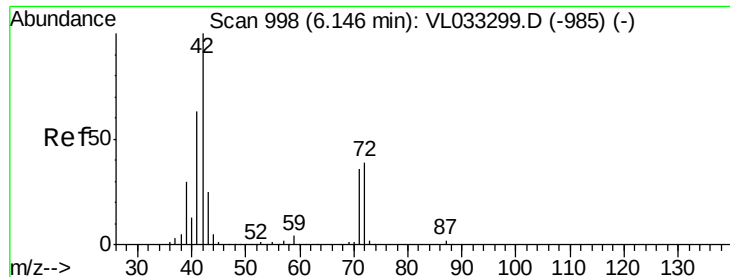
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

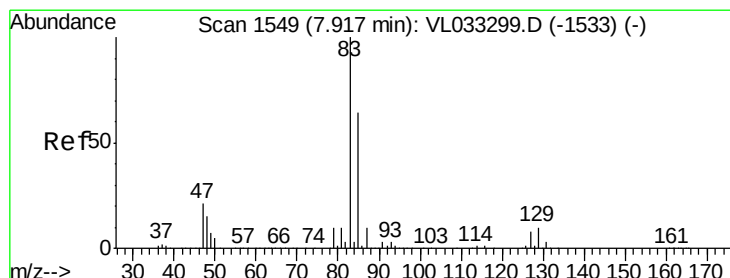
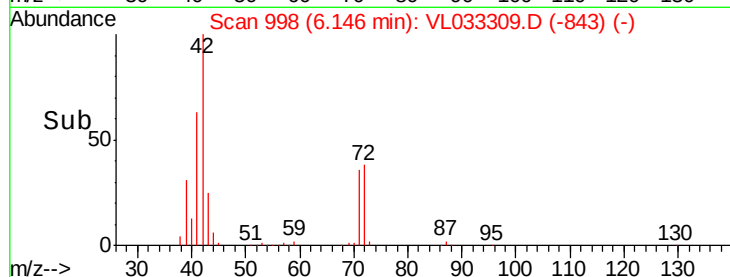
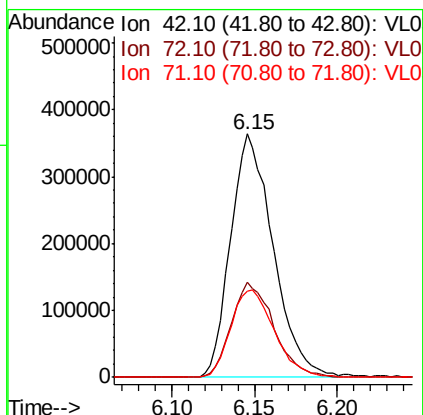
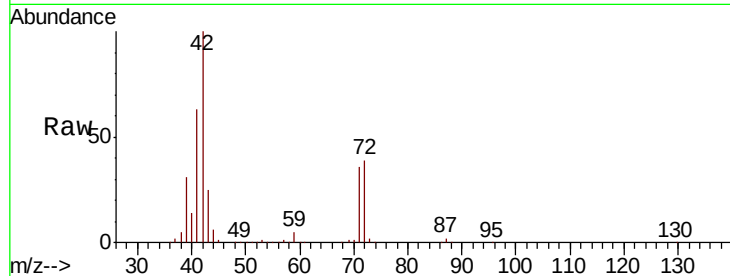




#41
Tetrahydrofuran
Concen: 10.124 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

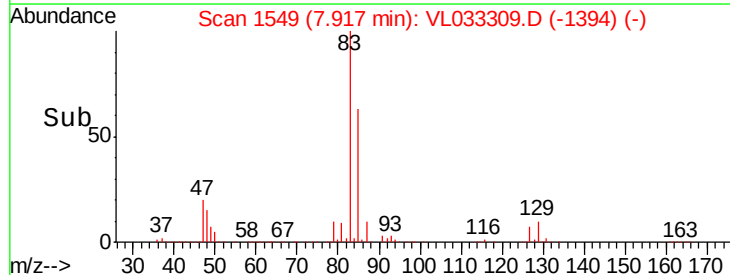
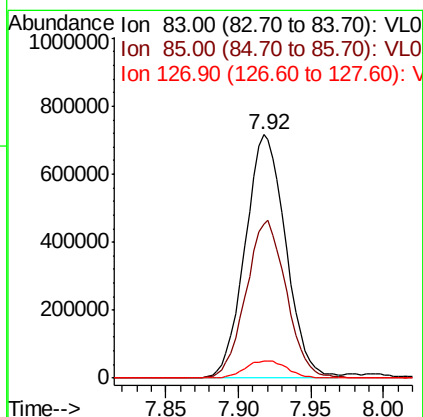
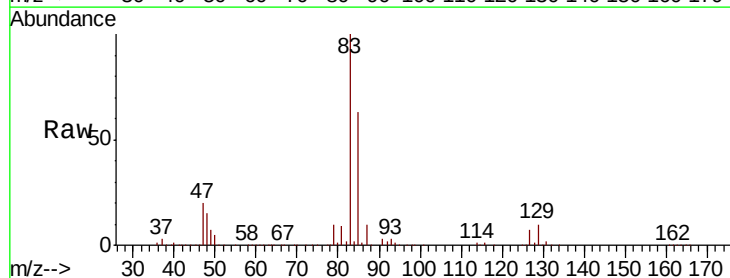
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

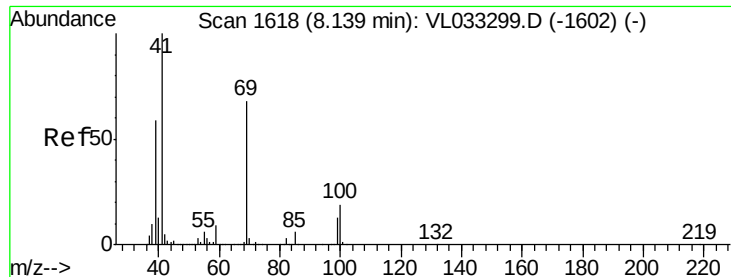
Tgt Ion: 42 Resp: 648992
Ion Ratio Lower Upper
42 100
72 39.1 30.8 46.2
71 37.2 30.0 45.0



#42
Bromodichloromethane
Concen: 10.157 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 83 Resp: 1396054
Ion Ratio Lower Upper
83 100
85 63.0 51.0 76.4
127 7.2 6.6 10.0

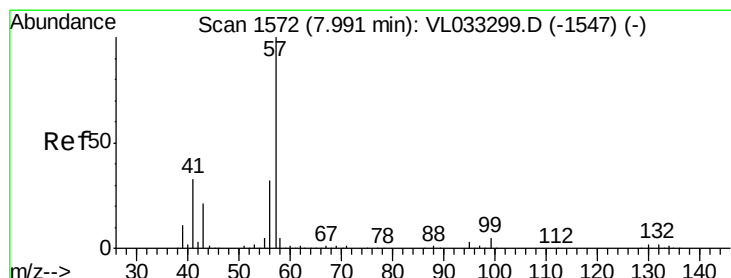
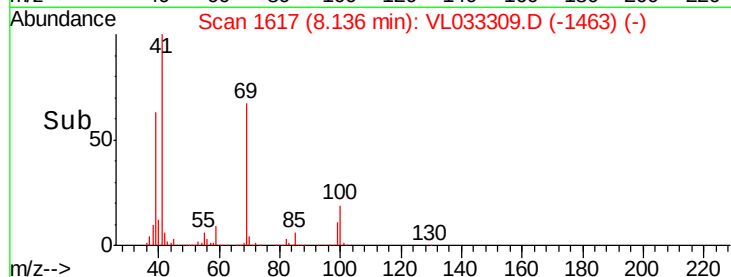
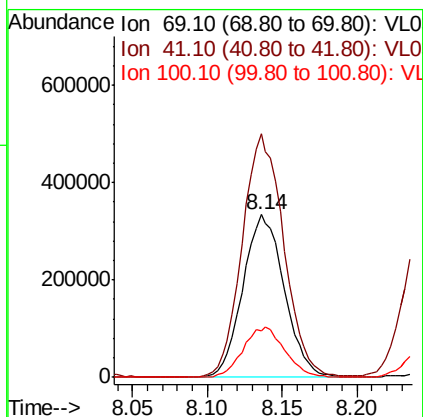
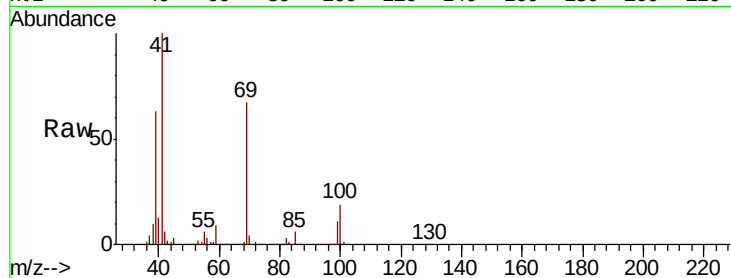




#43
Methyl Methacrylate
Concen: 9.857 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

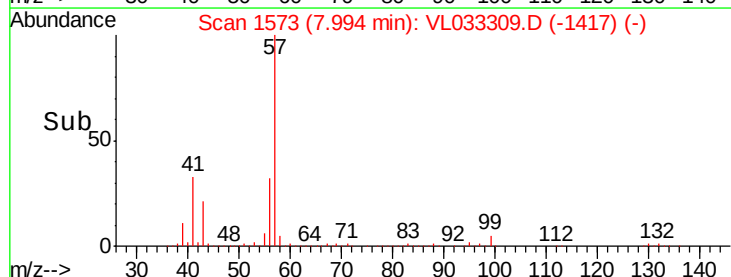
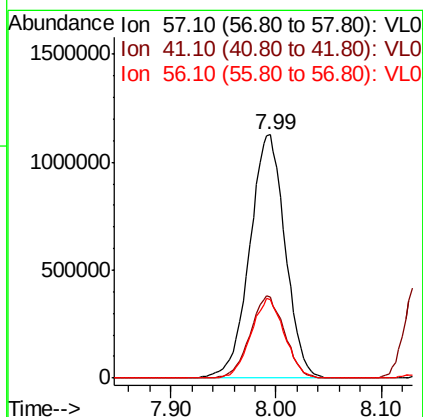
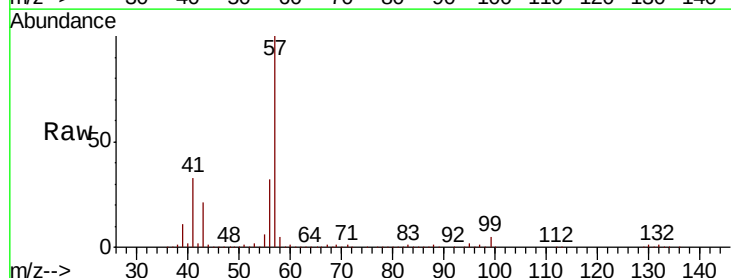
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

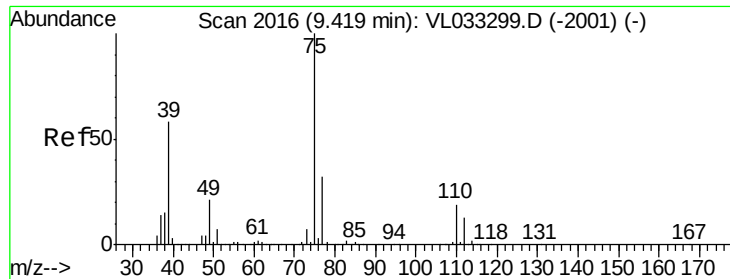
Tgt Ion: 69 Resp: 644080
Ion Ratio Lower Upper
69 100
41 149.6 117.0 175.4
100 30.8 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 9.386 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 57 Resp: 2633874
Ion Ratio Lower Upper
57 100
41 32.9 25.9 38.9
56 31.1 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 11.332 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

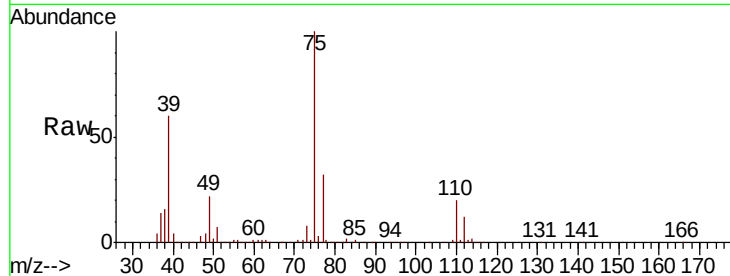
VL0313ABS01

Tgt Ion: 75 Resp: 868402

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.42

400000

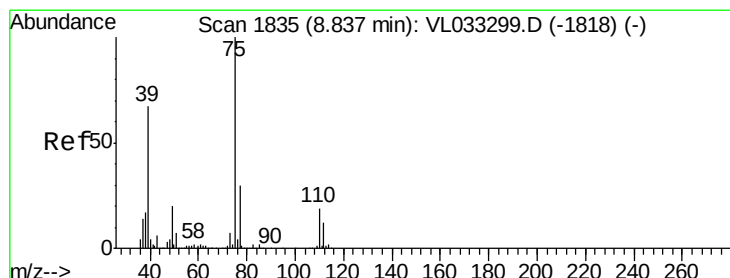
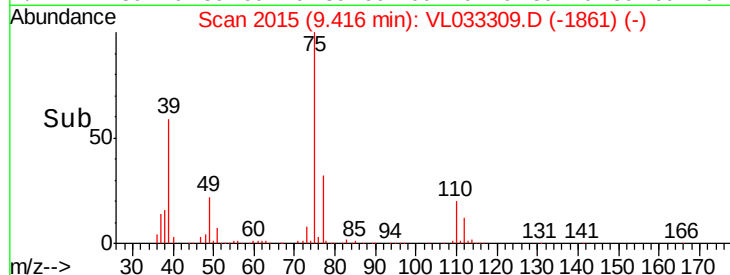
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.654 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

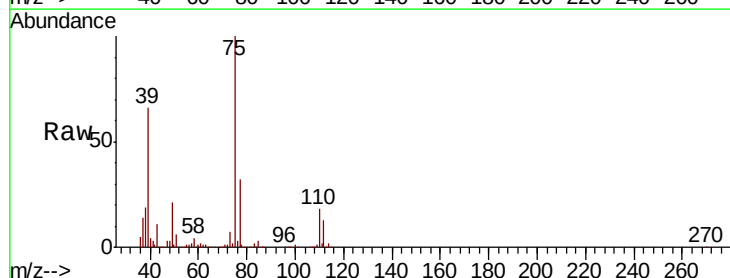
Tgt Ion: 75 Resp: 983673

Ion Ratio Lower Upper

75 100

39 66.4 53.4 80.2

77 32.2 23.7 35.5



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

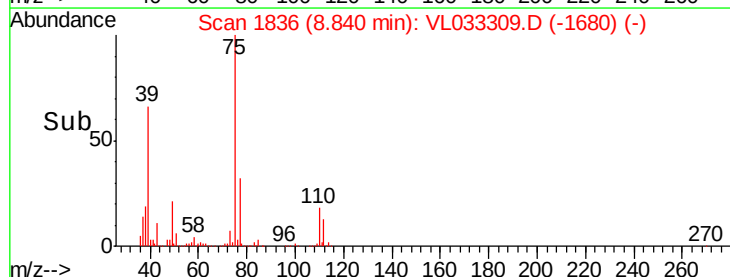
600000

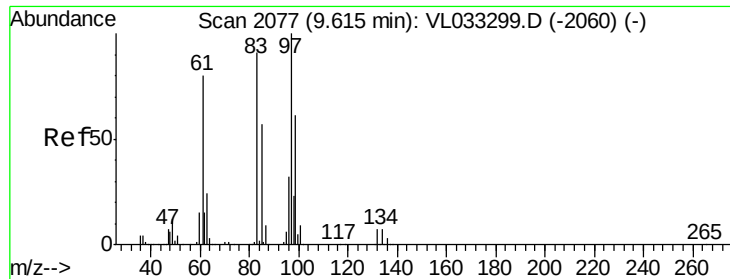
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.672 ppbv

RT: 9.61 min Scan# 2077

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

Tgt Ion: 97 Resp: 652479

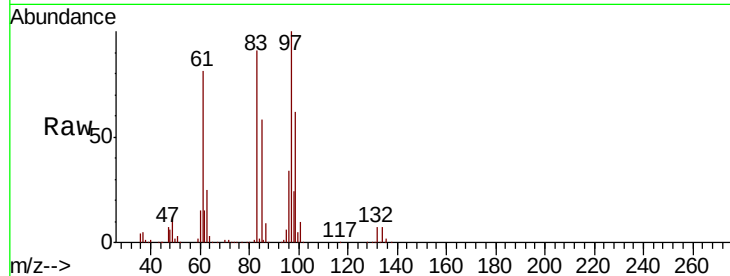
Ion Ratio Lower Upper

97 100

83 91.2 72.7 109.1

85 57.5 45.6 68.4

99 61.9 48.5 72.7

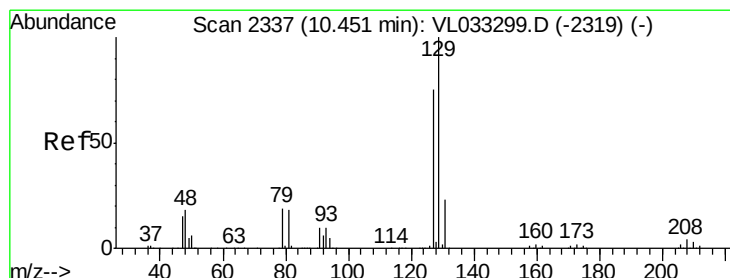
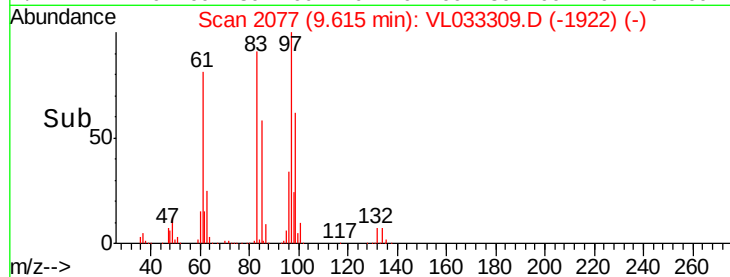
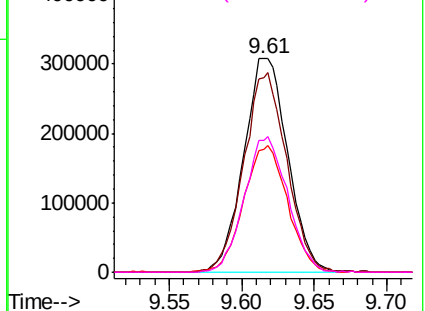


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.623 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. -0.00 min

Lab File: VL033309.D

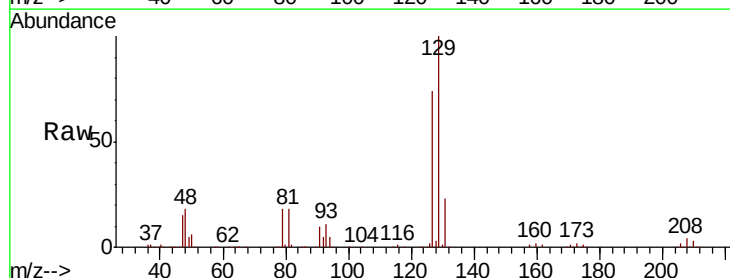
Acq: 14 Mar 2019 10:16

Tgt Ion: 129 Resp: 1179000

Ion Ratio Lower Upper

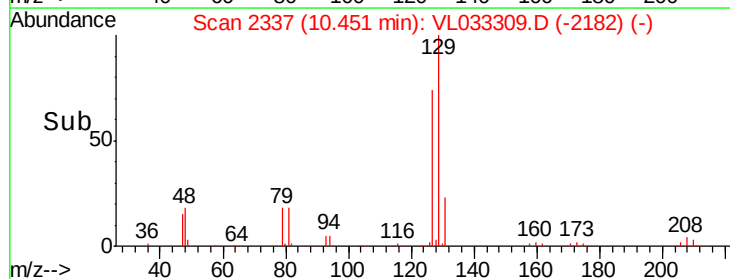
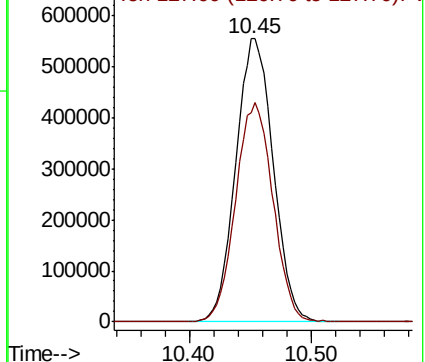
129 100

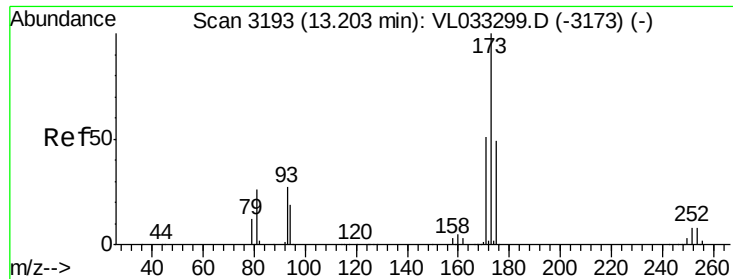
127 77.3 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.894 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

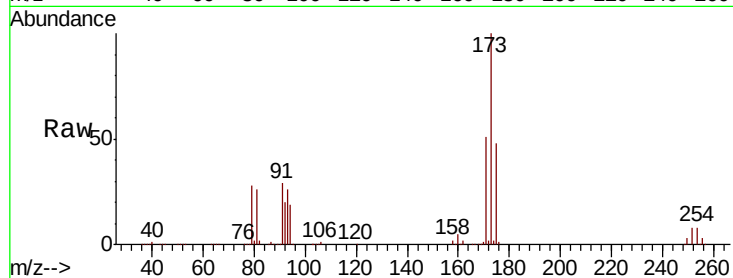
Tgt Ion:173 Resp: 1143722

Ion Ratio Lower Upper

173 100

175 48.7 38.6 58.0

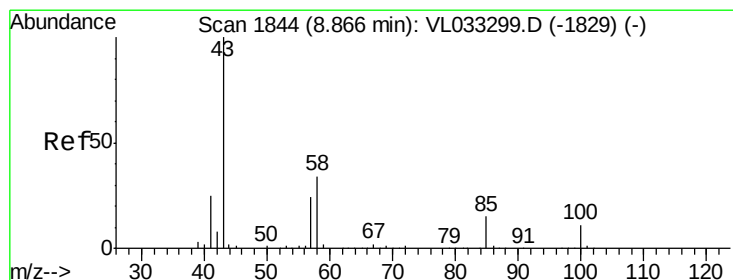
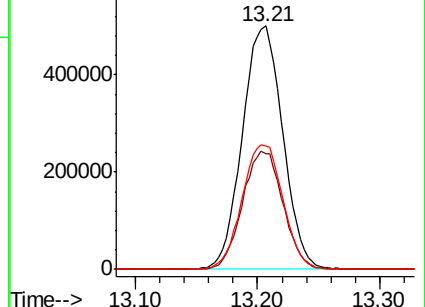
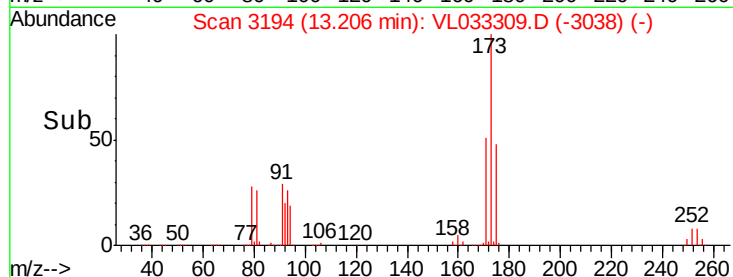
171 51.9 42.0 63.0



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: 9.752 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033309.D

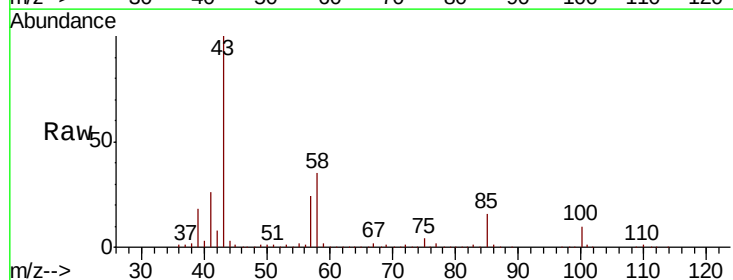
Acq: 14 Mar 2019 10:16

Tgt Ion: 43 Resp: 1632590

Ion Ratio Lower Upper

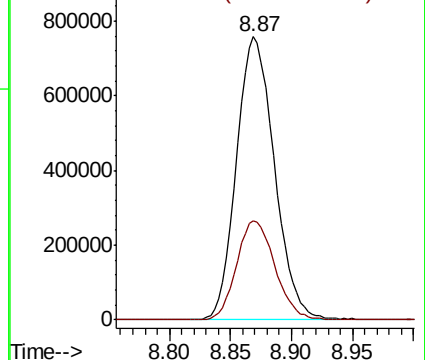
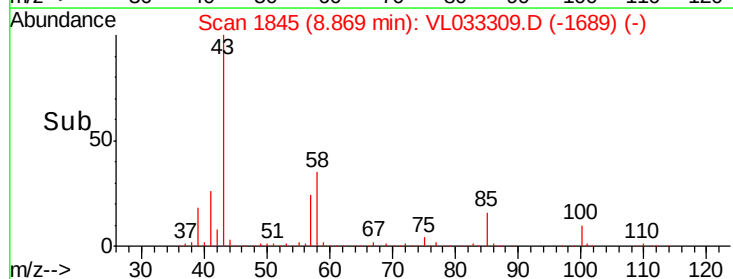
43 100

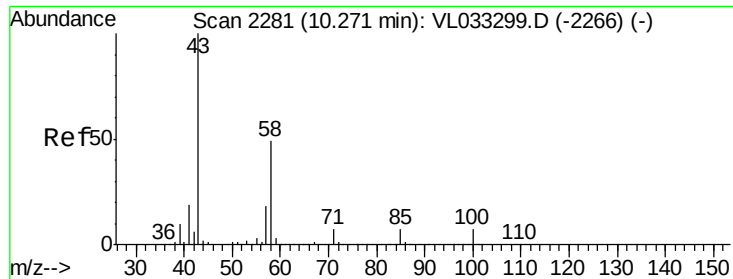
58 35.5 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

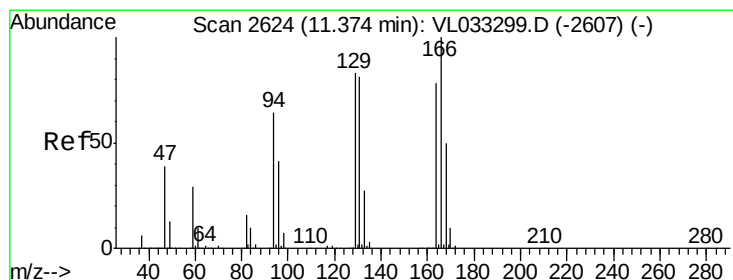
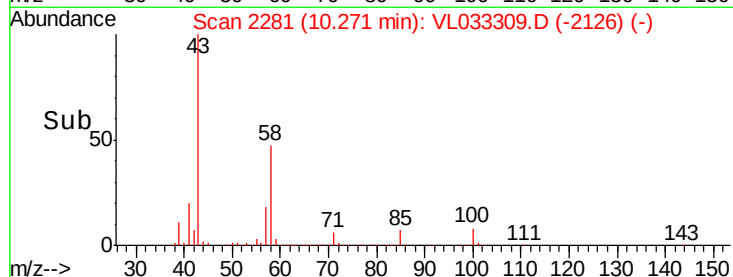
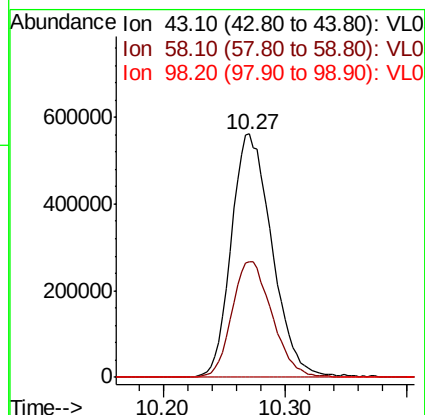
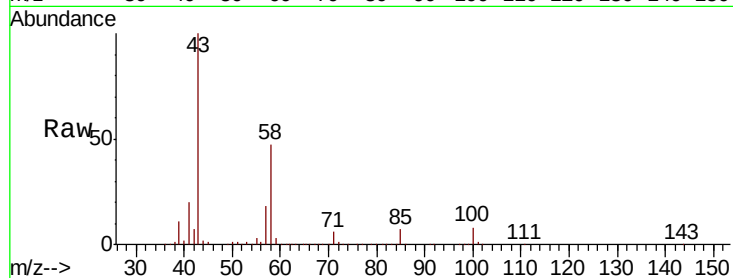




#51
2-Hexanone
Concen: 10.139 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

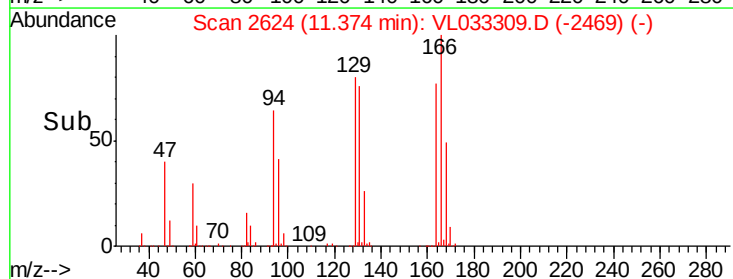
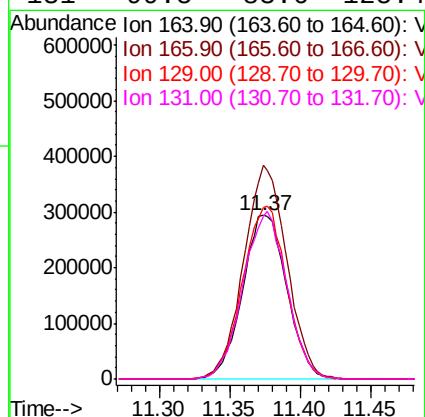
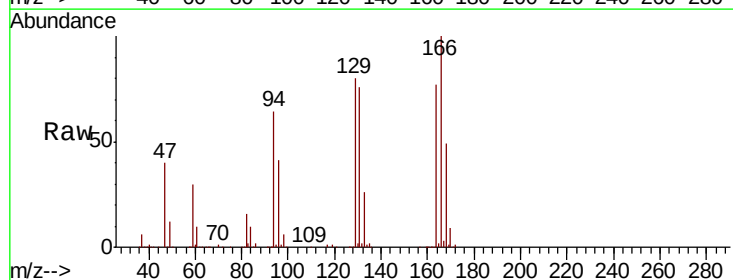
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

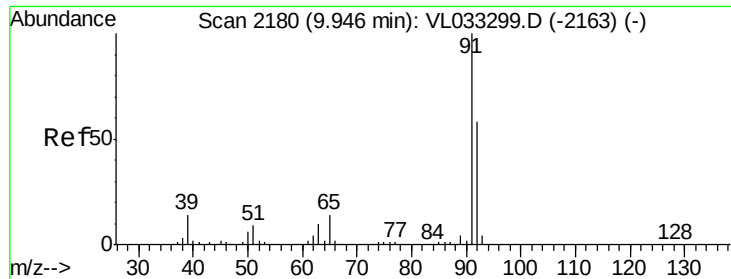
Tgt Ion: 43 Resp: 1296030
Ion Ratio Lower Upper
43 100
58 47.4 38.4 57.6
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 9.581 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 164 Resp: 645928
Ion Ratio Lower Upper
164 100
166 130.4 103.2 154.8
129 104.5 85.8 128.8
131 99.5 83.6 125.4





#53

Toluene

Concen: 9.910 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

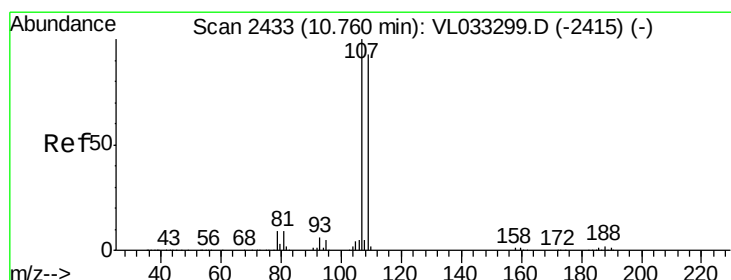
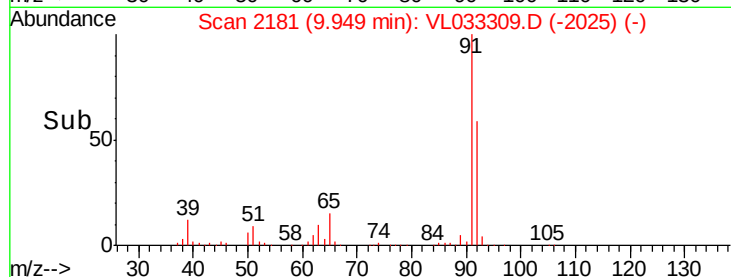
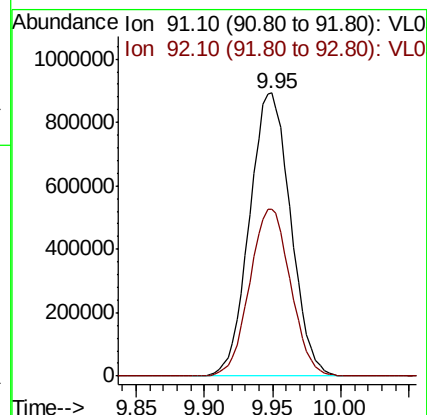
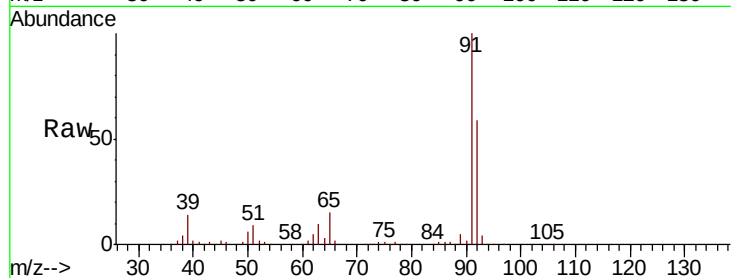
VL0313ABS01

Tgt Ion: 91 Resp: 1862572

Ion Ratio Lower Upper

91 100

92 58.9 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.720 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL033309.D

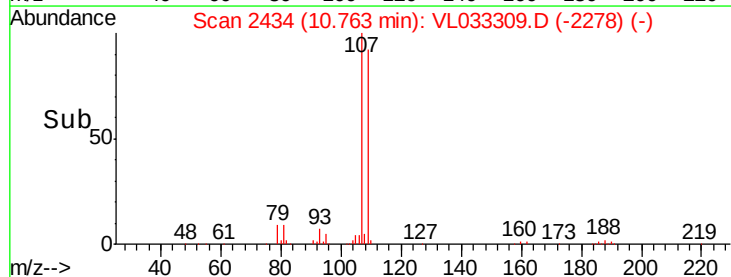
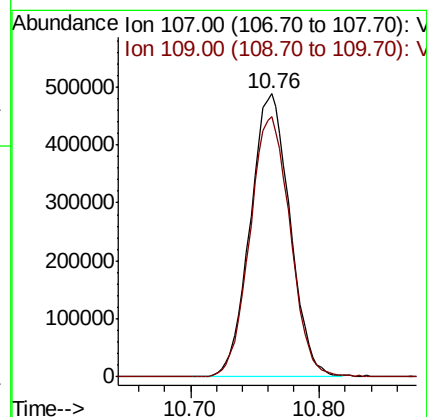
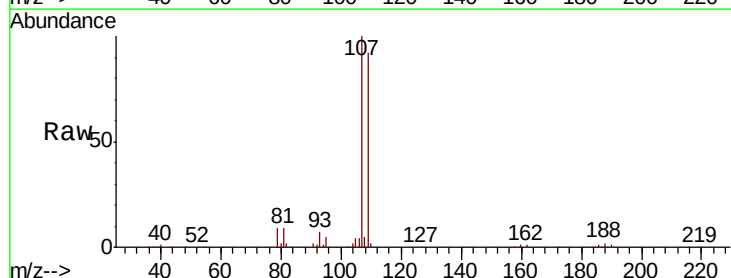
Acq: 14 Mar 2019 10:16

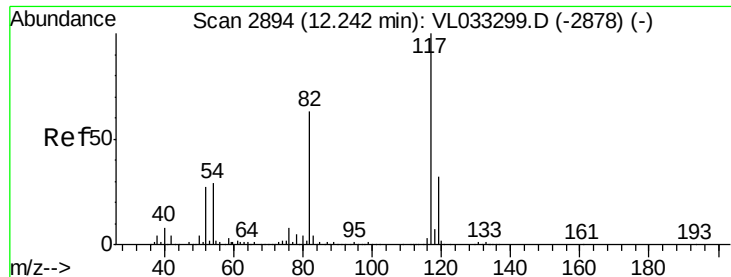
Tgt Ion: 107 Resp: 1046870

Ion Ratio Lower Upper

107 100

109 92.1 74.3 111.5

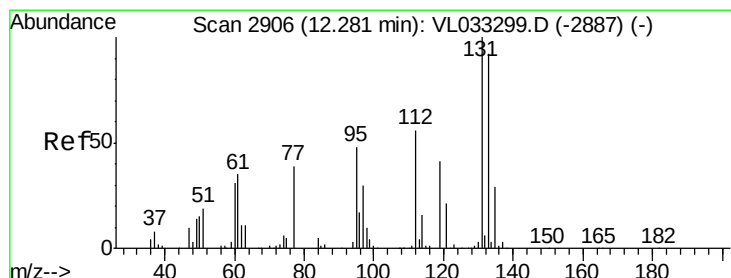
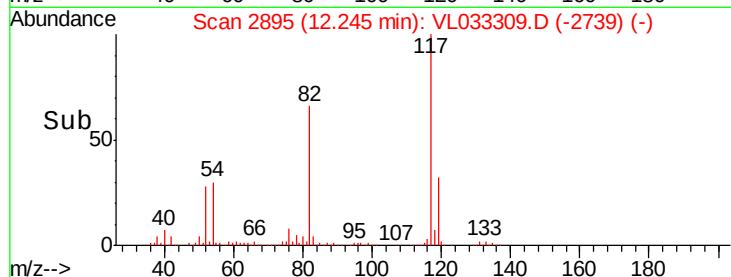
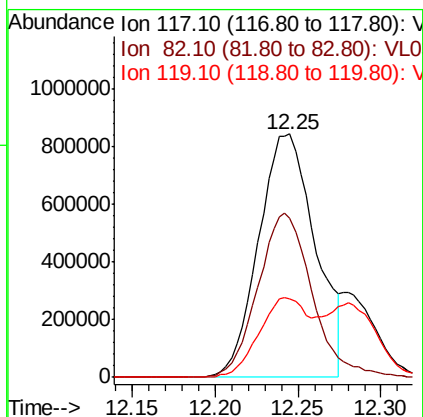
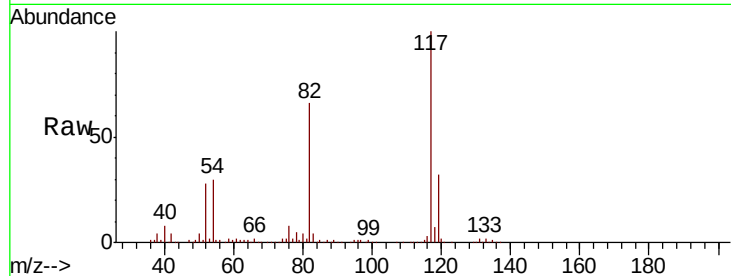




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

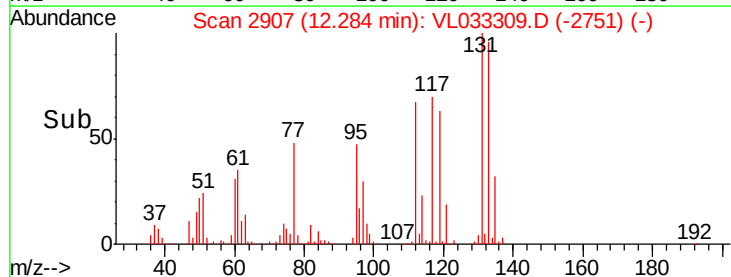
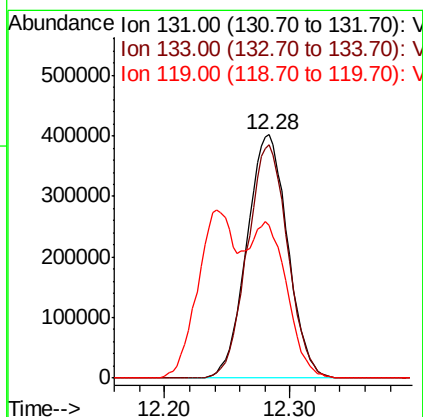
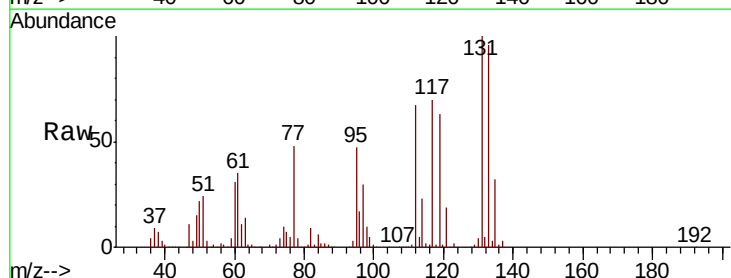
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

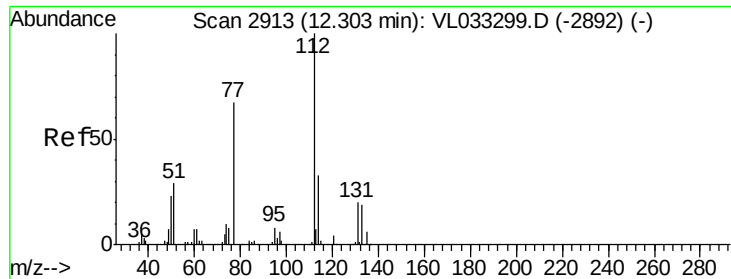
Tgt Ion:117 Resp: 2013911
Ion Ratio Lower Upper
117 100
82 64.8 51.3 76.9
119 27.6 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 10.074 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion:131 Resp: 910314
Ion Ratio Lower Upper
131 100
133 95.2 75.3 112.9
119 56.6 45.0 67.4

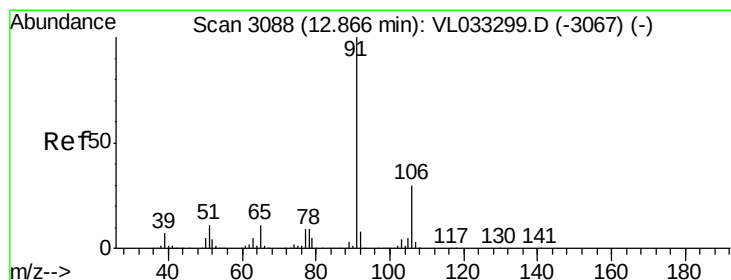
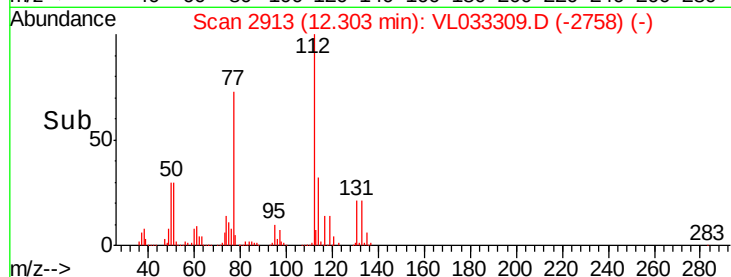
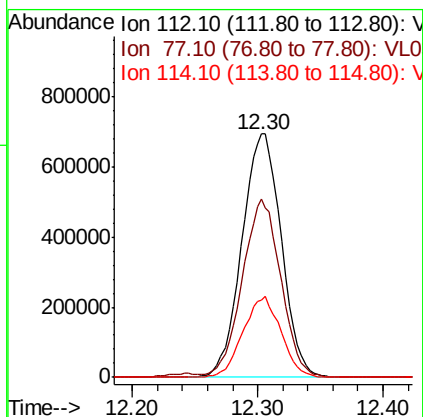
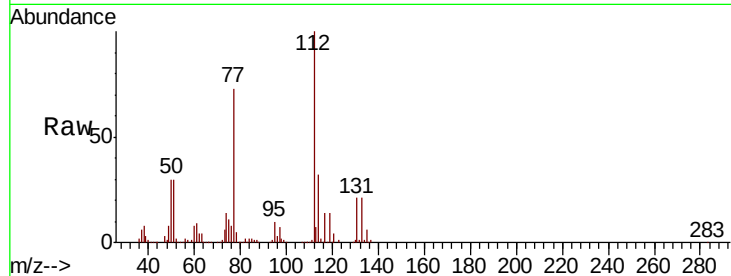




#57
Chlorobenzene
Concen: 9.300 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

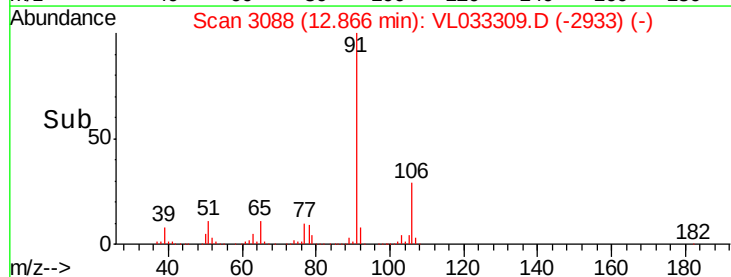
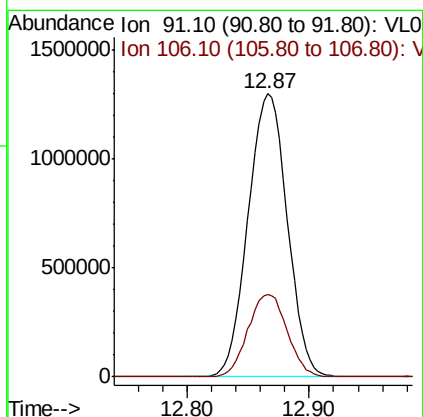
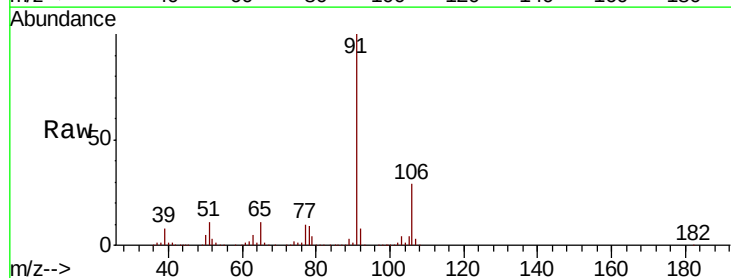
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

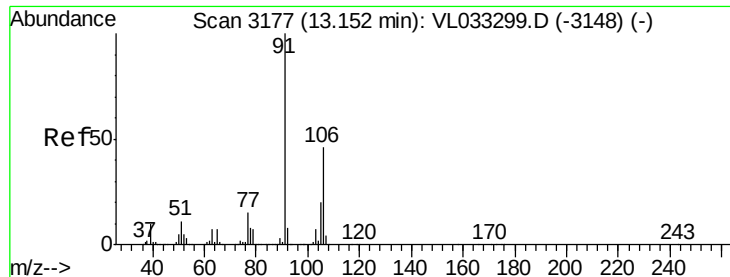
Tgt Ion: 112 Resp: 1512051
Ion Ratio Lower Upper
112 100
77 73.2 54.7 82.1
114 31.6 29.6 36.2



#58
Ethyl Benzene
Concen: 9.997 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 91 Resp: 2890101
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6

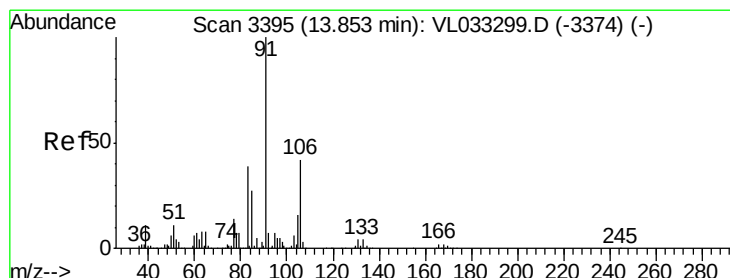
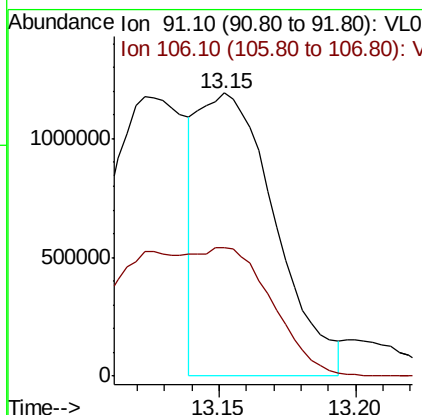
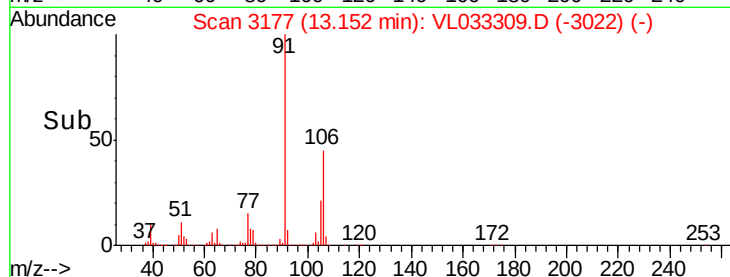
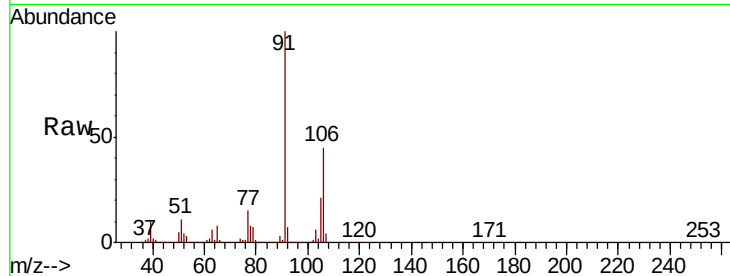




#59
m/p-Xylene
Concen: 9.614 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

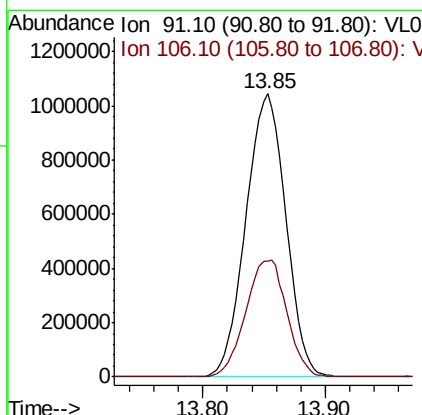
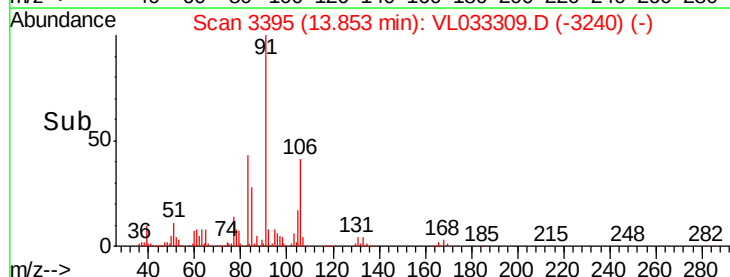
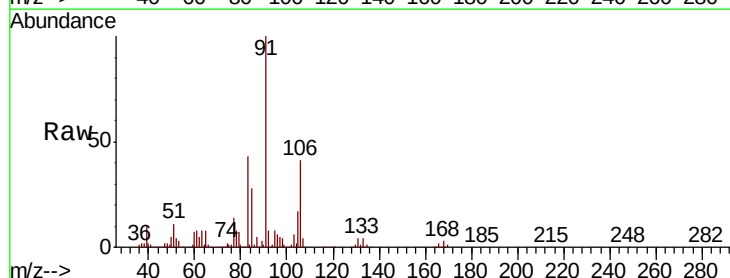
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

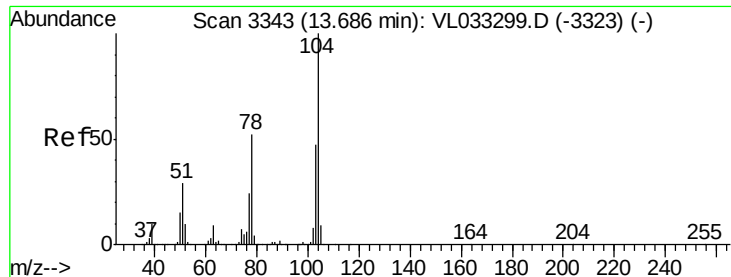
Tgt Ion: 91 Resp: 2337020
Ion Ratio Lower Upper
91 100
106 91.3 0.0 0.0#



#60
o-Xylene
Concen: 10.056 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033309.D
Acq: 14 Mar 2019 10:16

Tgt Ion: 91 Resp: 2357893
Ion Ratio Lower Upper
91 100
106 42.6 21.4 64.3





#61

Styrene

Concen: 10.633 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

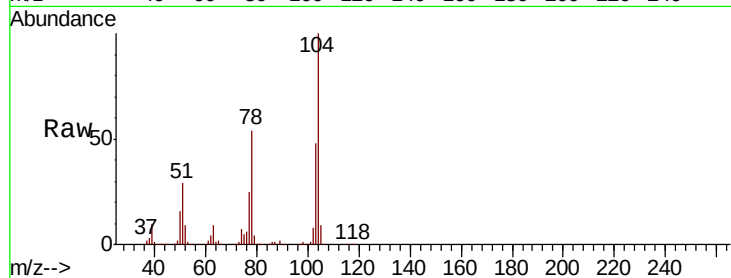
Tgt Ion:104 Resp: 1749609

Ion Ratio Lower Upper

104 100

78 54.1 43.3 64.9

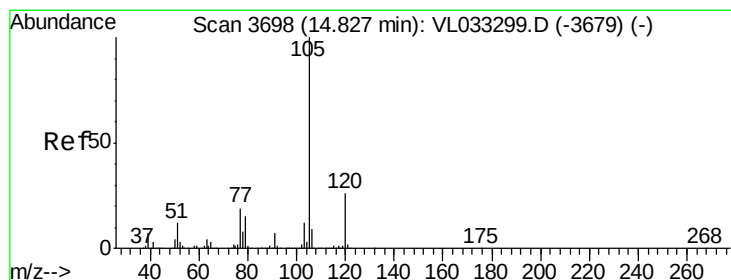
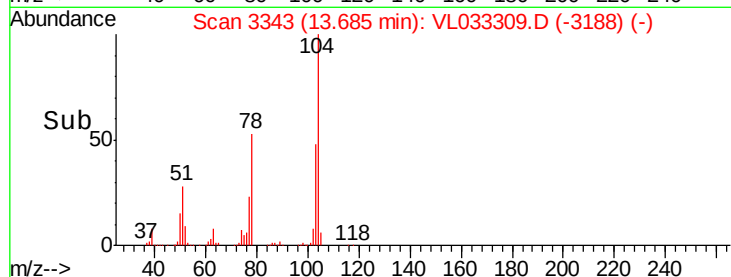
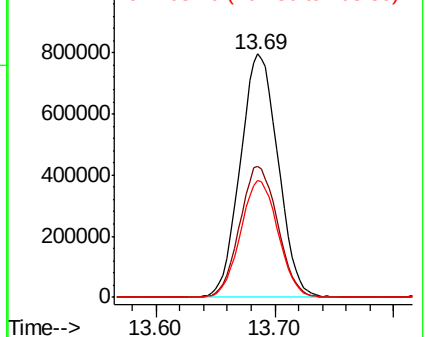
103 47.7 38.2 57.2



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: 10.001 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VL033309.D

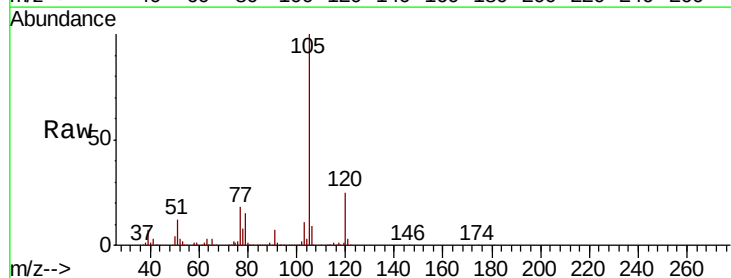
Acq: 14 Mar 2019 10:16

Tgt Ion:105 Resp: 3299172

Ion Ratio Lower Upper

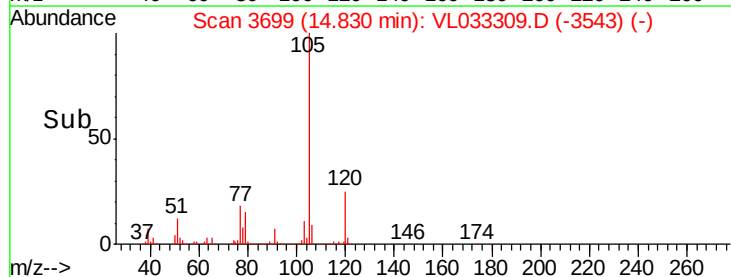
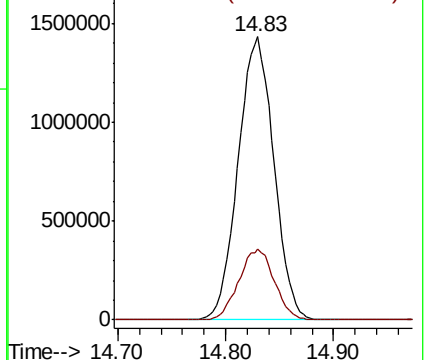
105 100

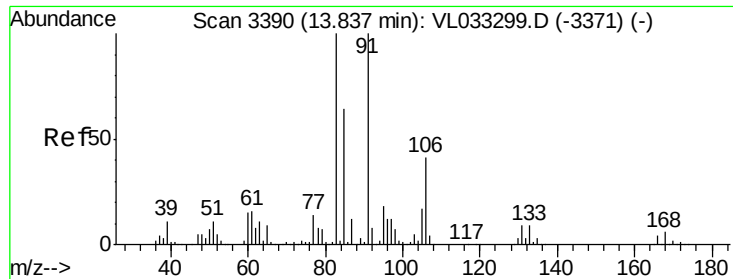
120 25.0 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

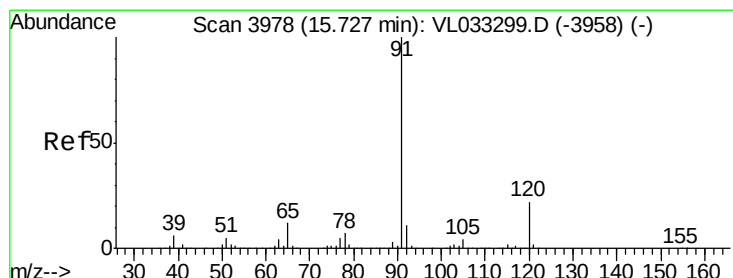
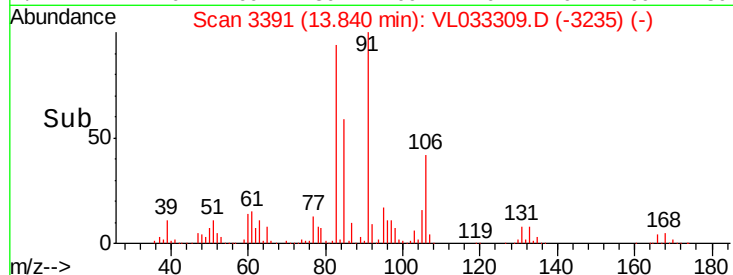
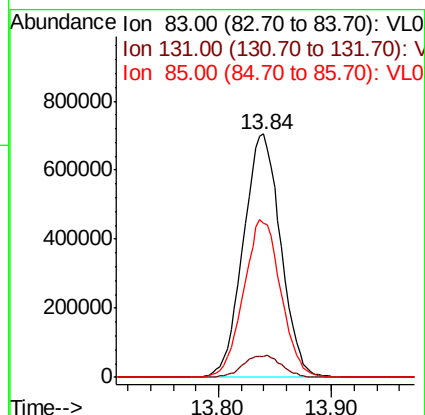
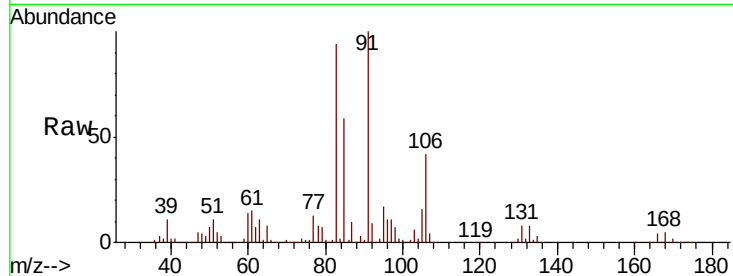




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.590 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

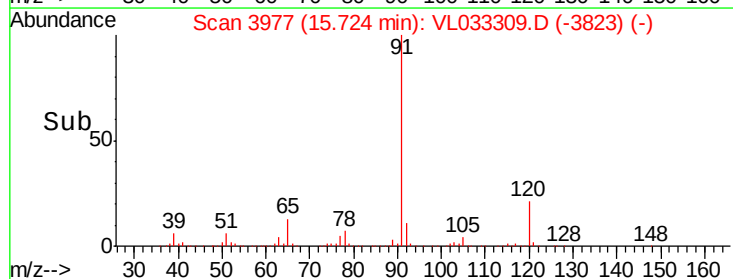
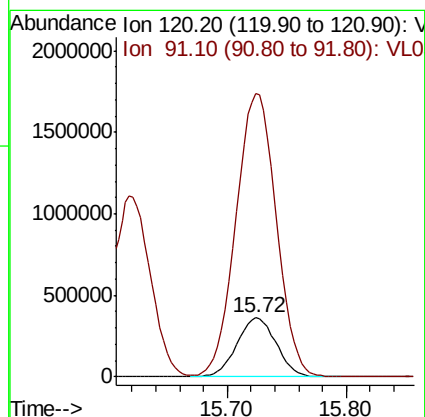
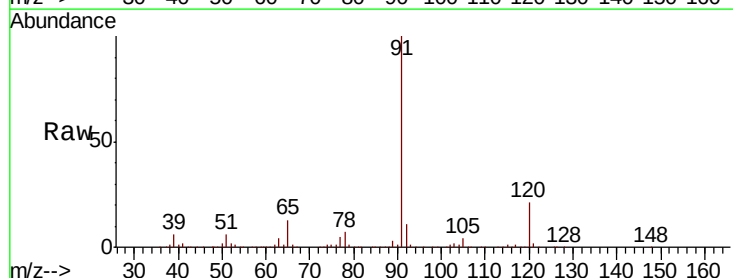
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

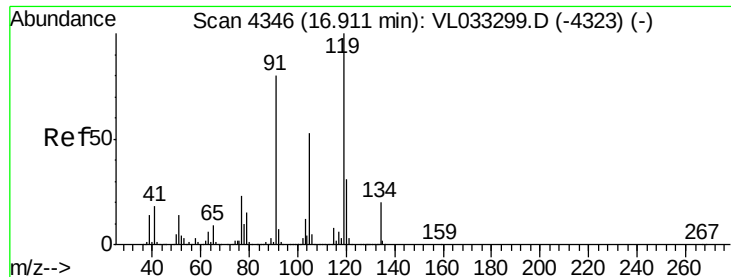
Tgt Ion: 83 Resp: 1620639
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.6 13.8
 85 64.8 32.5 97.4



#64
 n-propylbenzene
 Concen: 10.165 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Tgt Ion: 120 Resp: 831475
 Ion Ratio Lower Upper
 120 100
 91 491.8 393.7 590.5

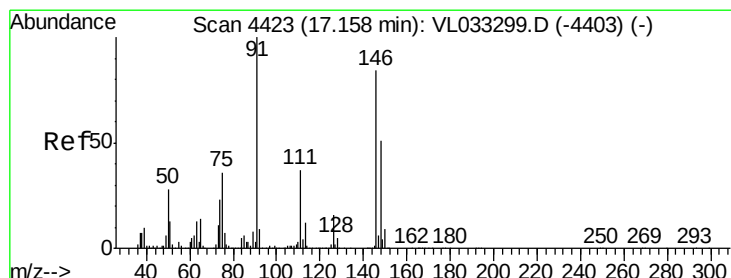
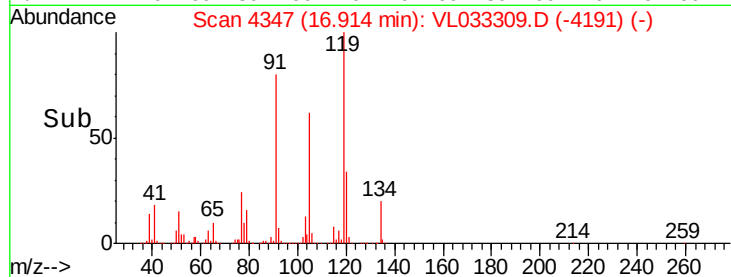
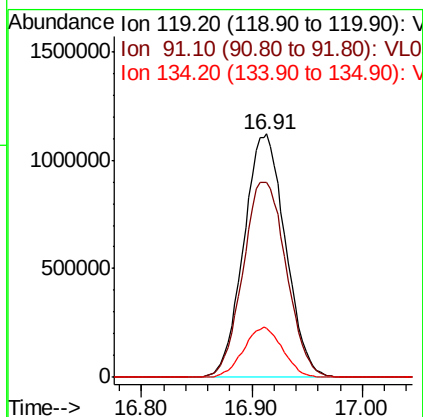
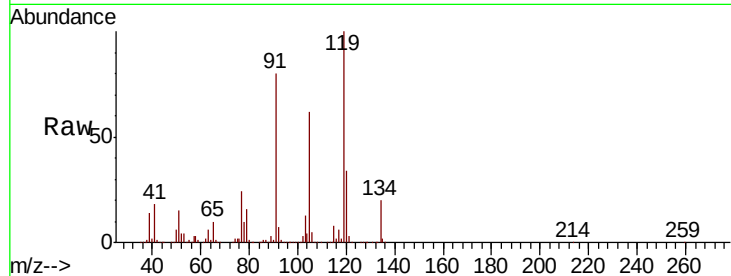




#65
 tert-Butylbenzene
 Concen: 10.503 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

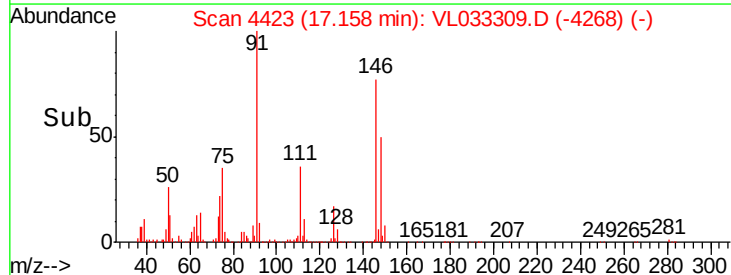
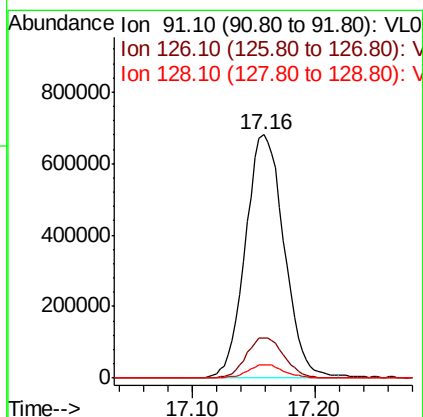
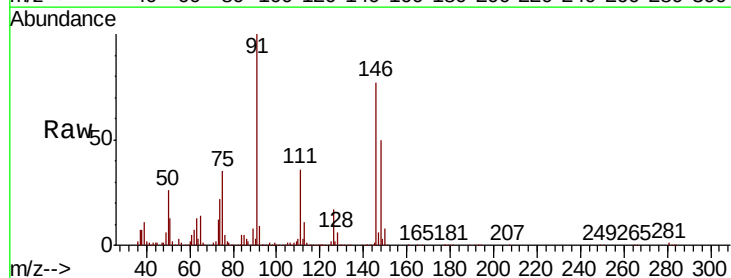
Instrument :
 MSVOA_L
 ClientSampled :
 VL0313ABS01

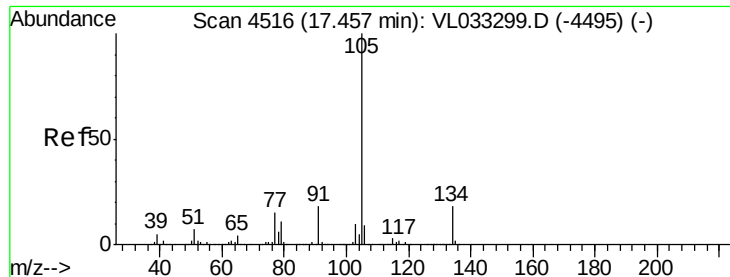
Tgt Ion: 119 Resp: 2928039
 Ion Ratio Lower Upper
 119 100
 91 83.6 66.4 99.6
 134 19.4 15.4 23.2



#66
 Benzyl Chloride
 Concen: 13.423 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Tgt Ion: 91 Resp: 1488944
 Ion Ratio Lower Upper
 91 100
 126 16.4 12.9 19.3
 128 5.2 4.2 6.2





#67

sec-Butylbenzene

Concen: 10.400 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. 0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

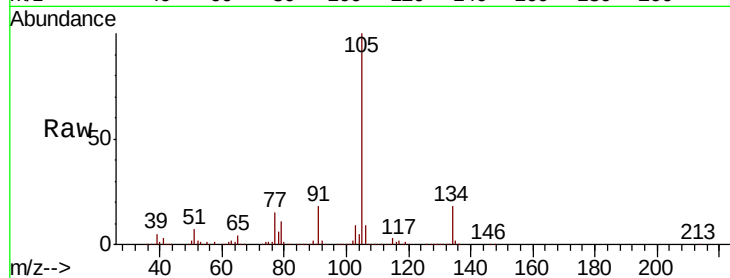
VL0313ABS01

Tgt Ion:105 Resp: 4168813

Ion Ratio Lower Upper

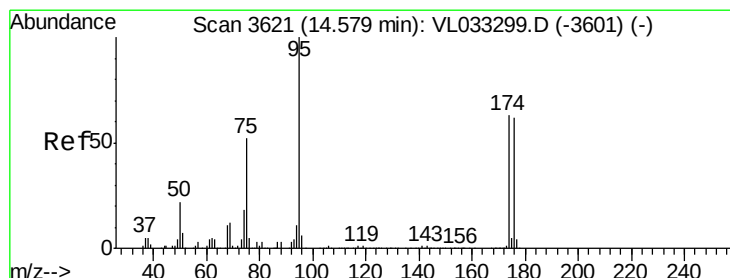
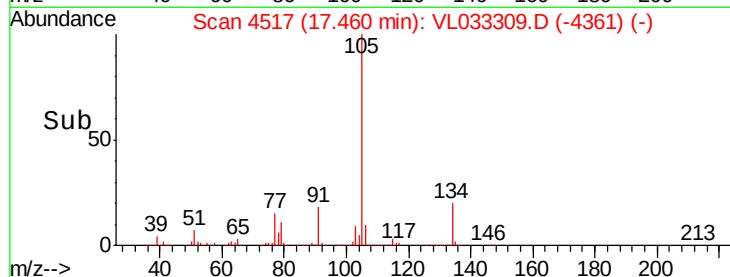
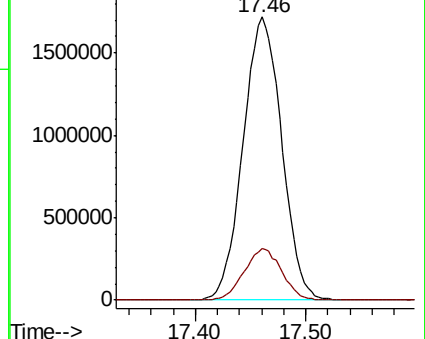
105 100

134 17.8 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.871 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

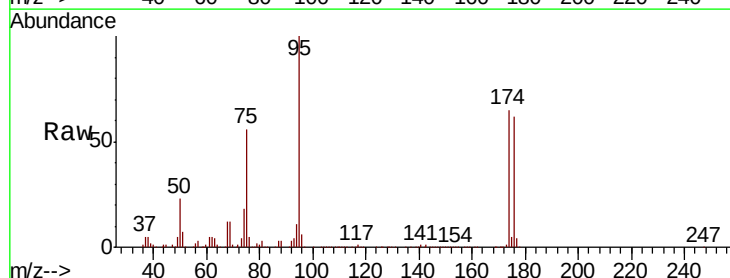
Tgt Ion: 95 Resp: 1518117

Ion Ratio Lower Upper

95 100

174 64.4 51.9 77.9

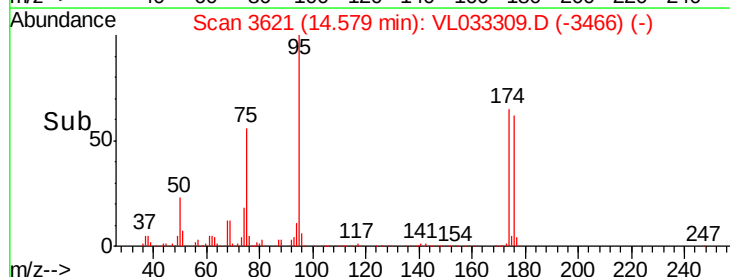
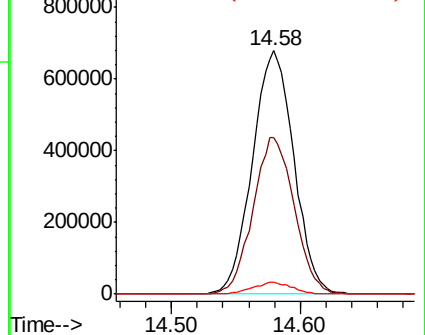
175 4.6 3.9 5.9

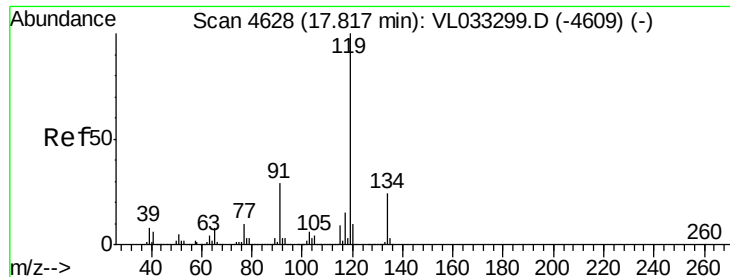


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

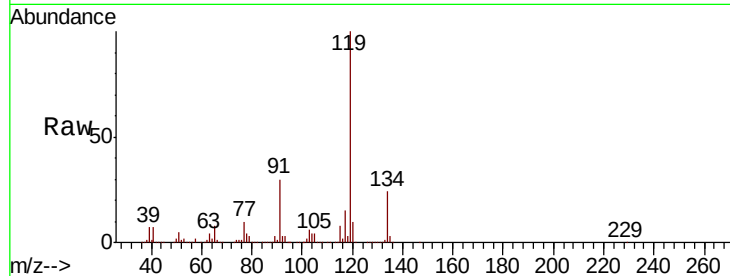




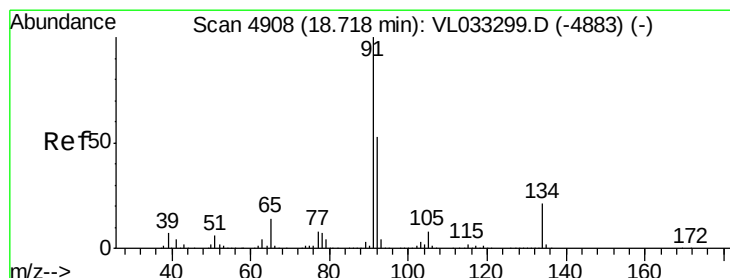
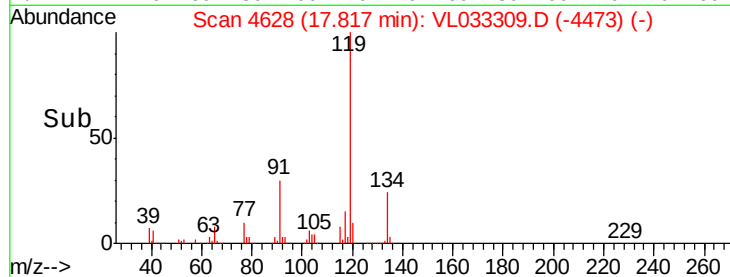
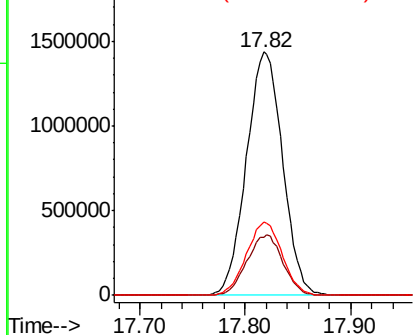
#69
 p-Isopropyltoluene
 Concen: 10.700 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

Tgt Ion: 119 Resp: 3427158
 Ion Ratio Lower Upper
 119 100
 134 24.9 19.8 29.6
 91 29.9 23.8 35.8

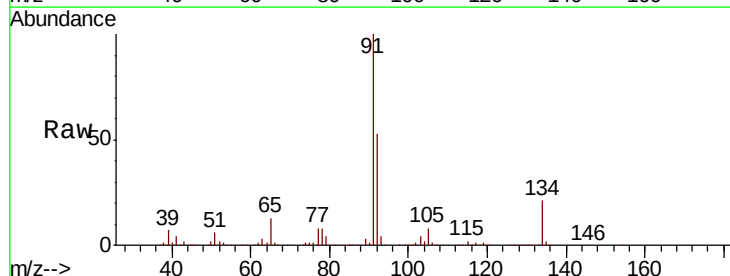


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

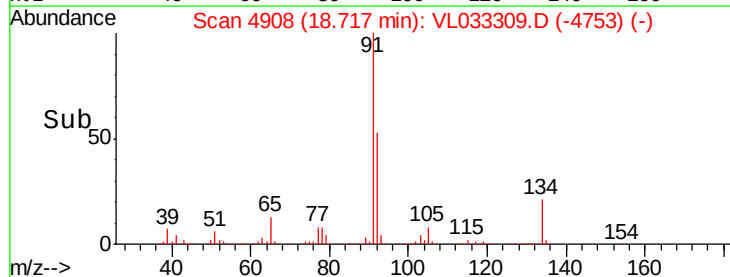
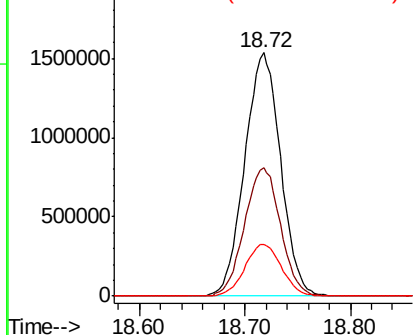


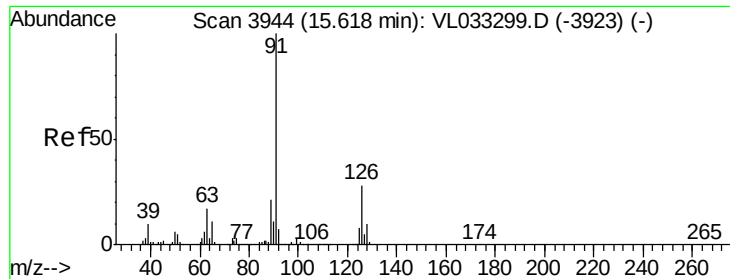
#70
 n-Butylbenzene
 Concen: 10.864 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Tgt Ion: 91 Resp: 3638044
 Ion Ratio Lower Upper
 91 100
 92 53.0 42.6 63.8
 134 21.6 17.4 26.0



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





#71

2-Chlorotoluene

Concen: 10.333 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

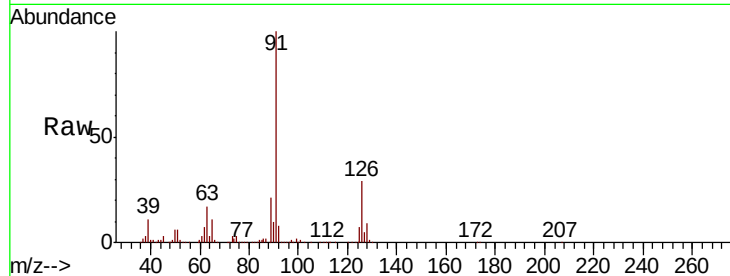
VL0313ABS01

Tgt Ion: 91 Resp: 2552873

Ion Ratio Lower Upper

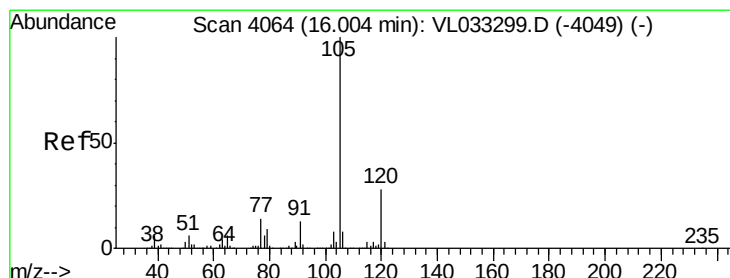
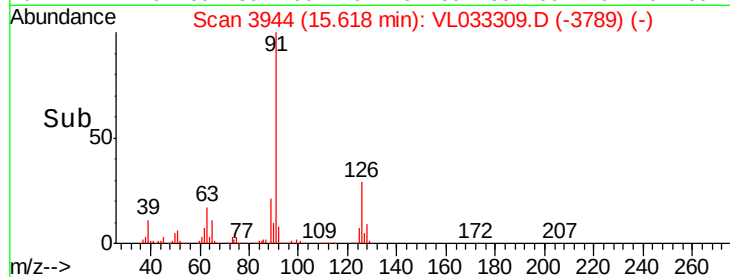
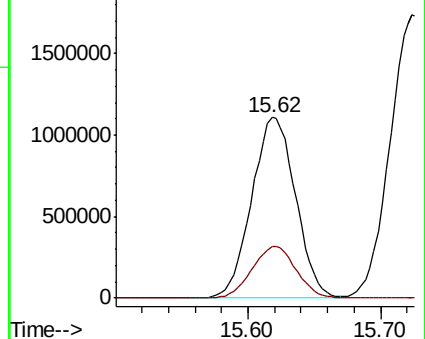
91 100

126 28.8 11.8 47.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.812 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Tgt Ion: 105 Resp: 2715698

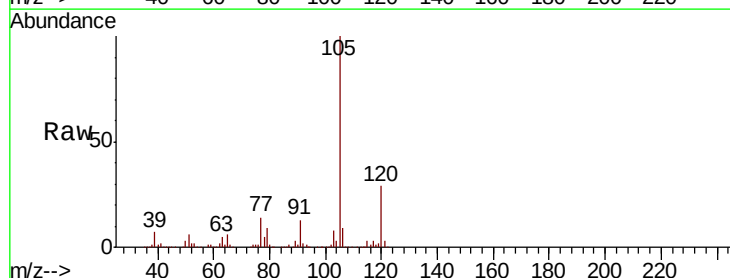
Ion Ratio Lower Upper

105 100

120 28.4 22.7 34.1

91 12.9 10.3 15.5

77 14.1 11.1 16.7

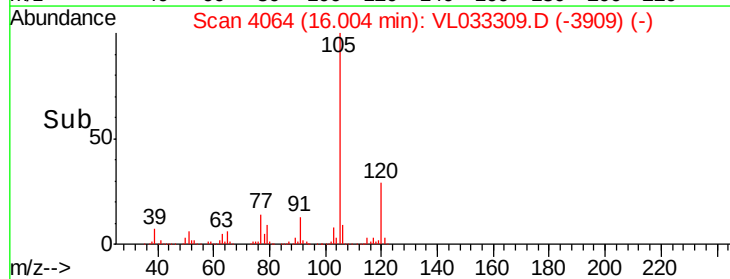
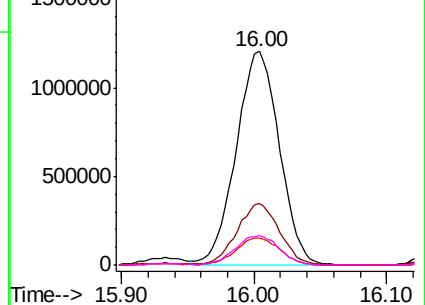


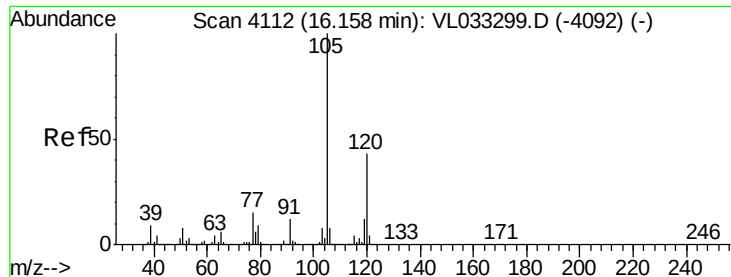
Abundance Ion 105.10 (104.80 to 105.80): V

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

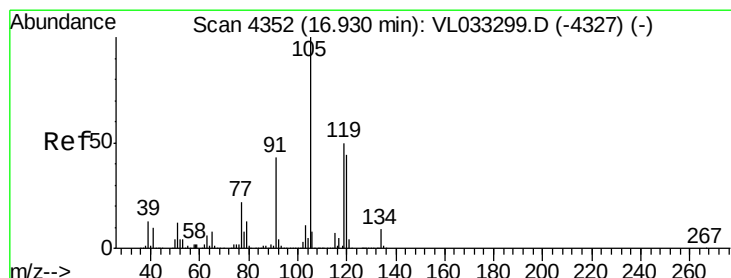
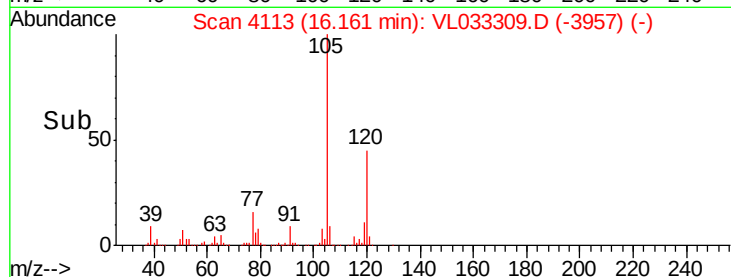
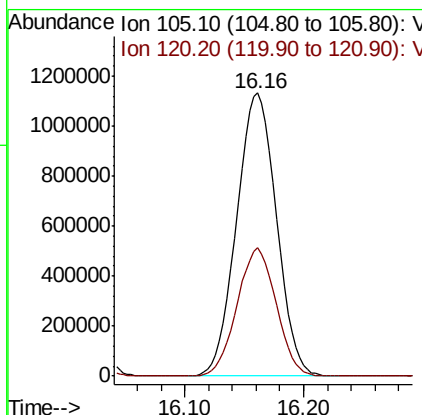
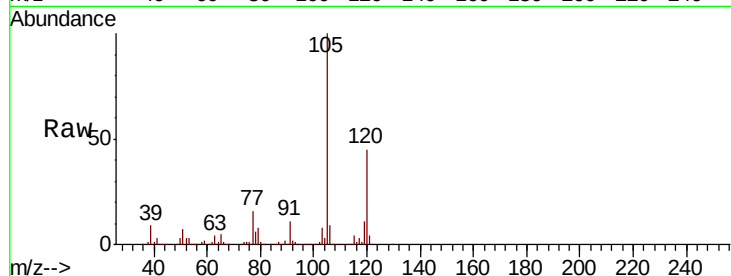




#73
 1,3,5-Trimethylbenzene
 Concen: 11.090 ppbv
 RT: 16.16 min Scan# 4113
 Delta R.T. 0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

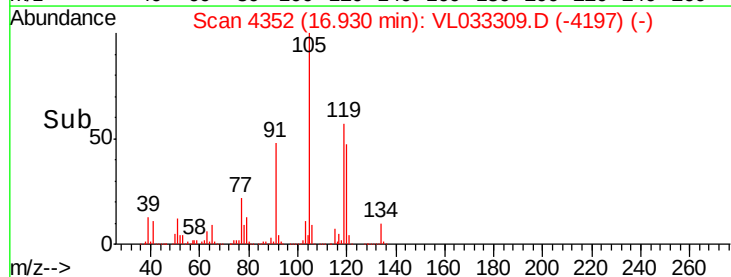
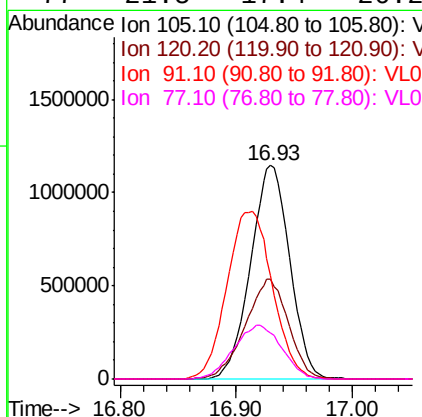
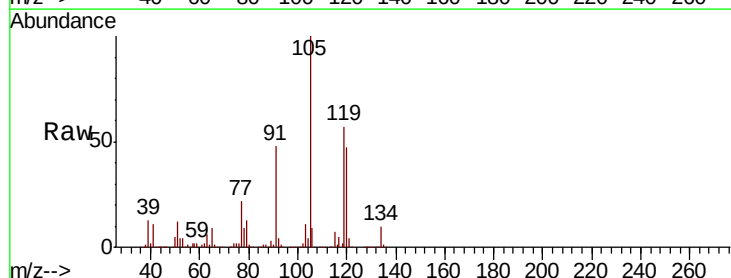
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

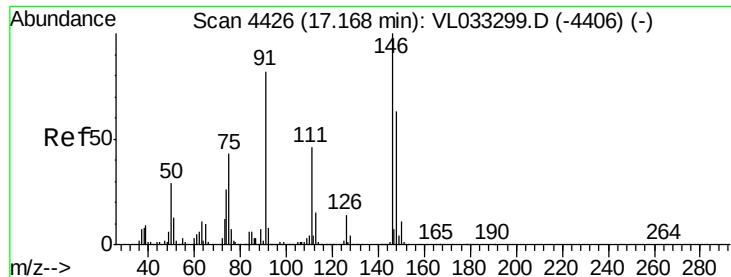
Tgt Ion:105 Resp: 2619222
 Ion Ratio Lower Upper
 105 100
 120 45.2 34.6 52.0



#74
 1,2,4-Trimethylbenzene
 Concen: 11.134 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Tgt Ion:105 Resp: 2683350
 Ion Ratio Lower Upper
 105 100
 120 46.7 35.2 52.8
 91 48.2 34.0 51.0
 77 21.5 17.4 26.2

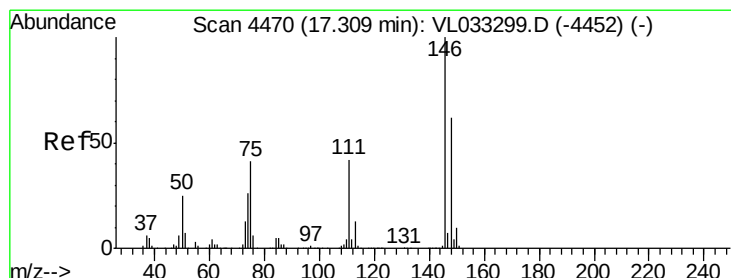
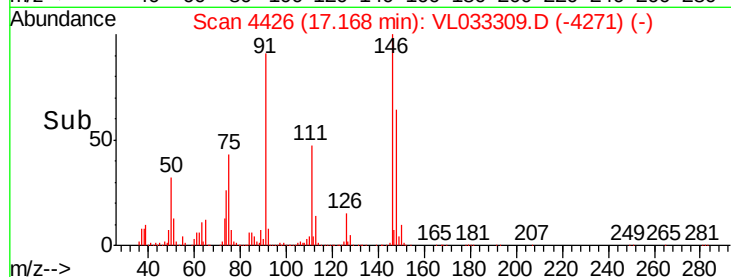
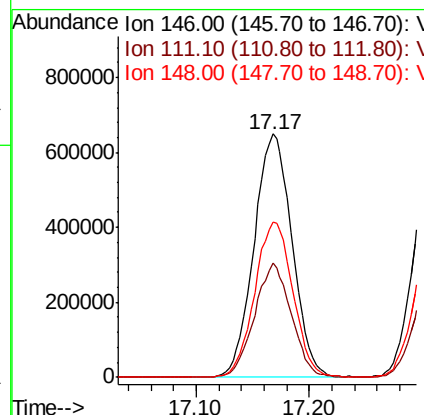
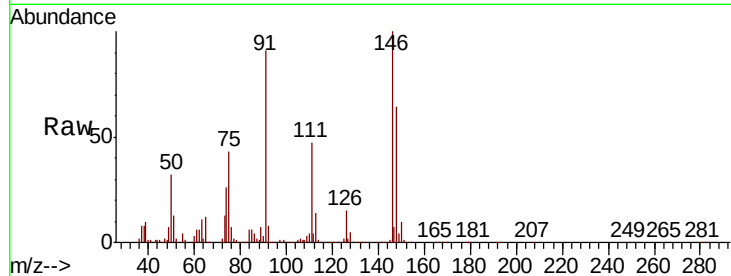




#75
 1,3-Dichlorobenzene
 Concen: 10.067 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

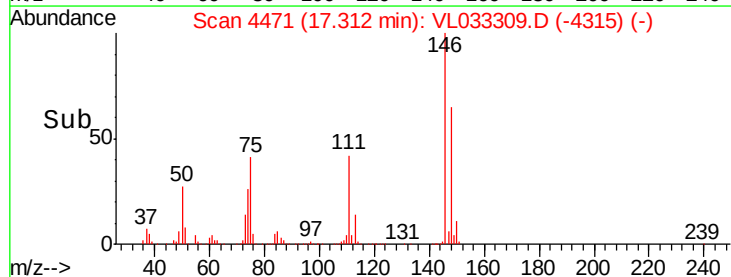
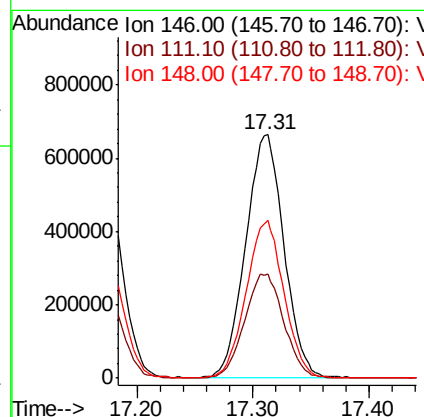
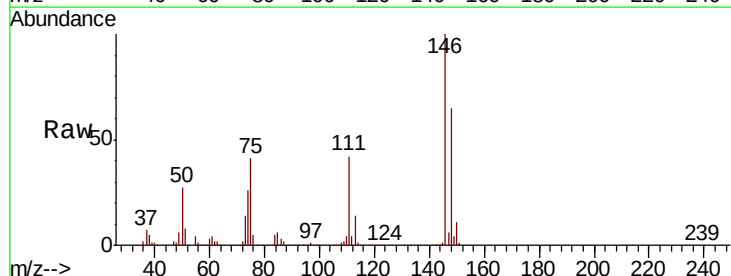
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

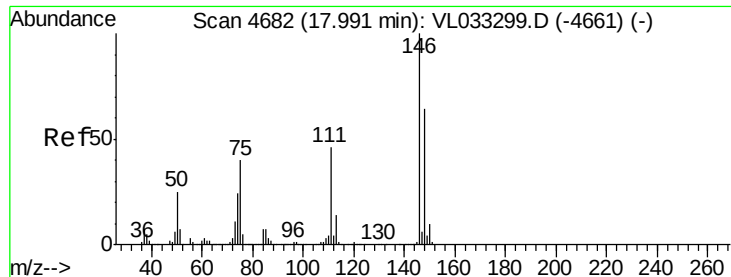
Tgt Ion:146 Resp: 1518687
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.9 68.7
 148 64.1 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 10.325 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. 0.00 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Tgt Ion:146 Resp: 1520983
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.9 65.5
 148 64.3 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 10.145 ppbv

RT: 17.99 min Scan# 4681

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

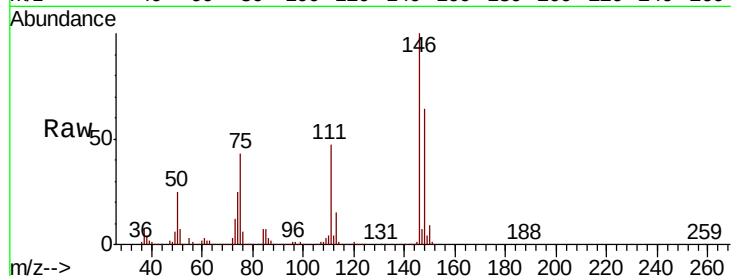
Tgt Ion:146 Resp: 1490077

Ion Ratio Lower Upper

146 100

111 47.2 23.2 69.6

148 64.2 32.0 96.0

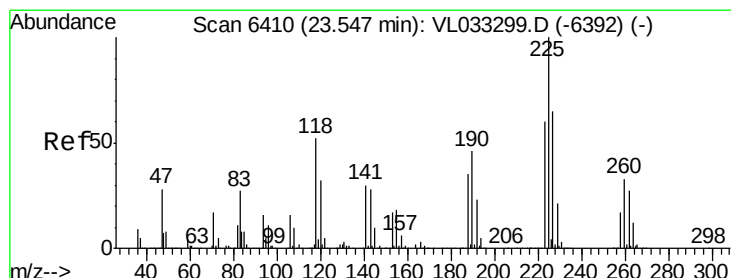
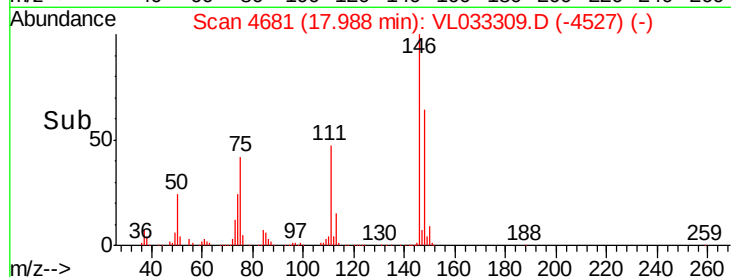
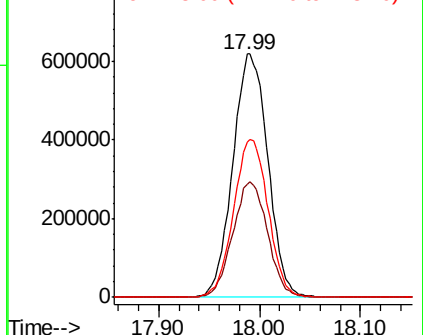


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 7.679 ppbv

RT: 23.54 min Scan# 6409

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

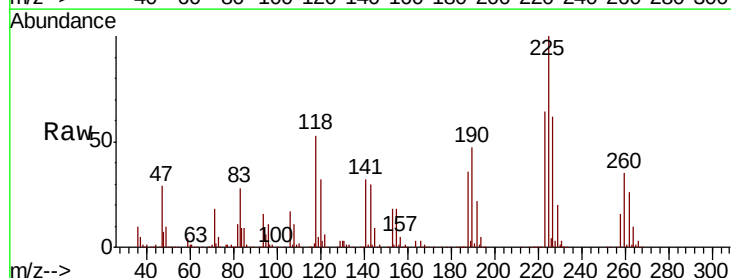
Tgt Ion:225 Resp: 831822

Ion Ratio Lower Upper

225 100

223 63.4 50.3 75.5

227 64.4 51.2 76.8

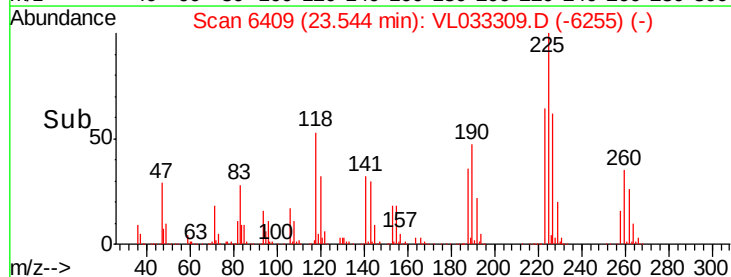
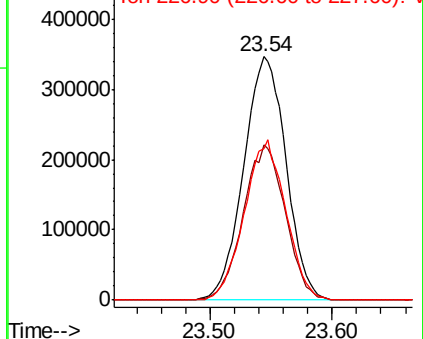


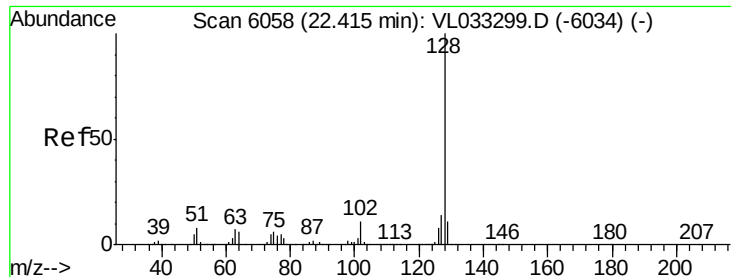
Abundance

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: 13.817 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

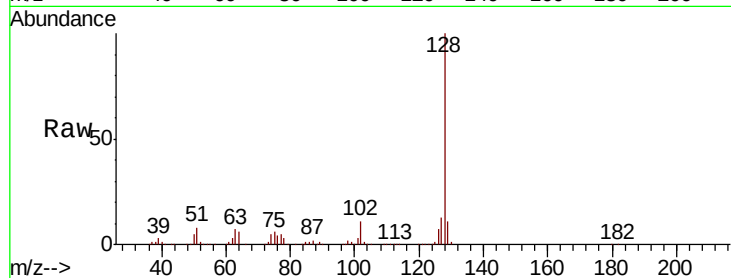
Tgt Ion:128 Resp: 2735731

Ion Ratio Lower Upper

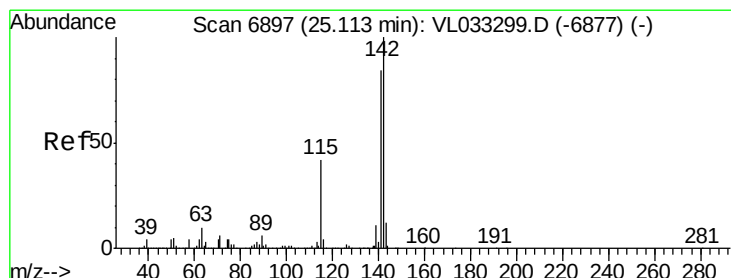
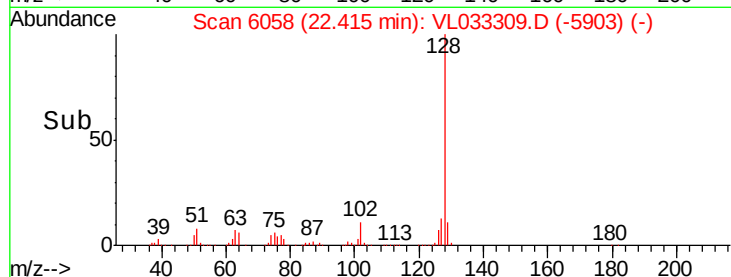
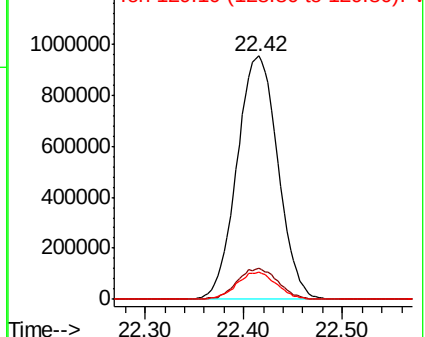
128 100

127 12.7 10.8 16.2

129 11.0 8.9 13.3



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: 22.701 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.00 min

Lab File: VL033309.D

Acq: 14 Mar 2019 10:16

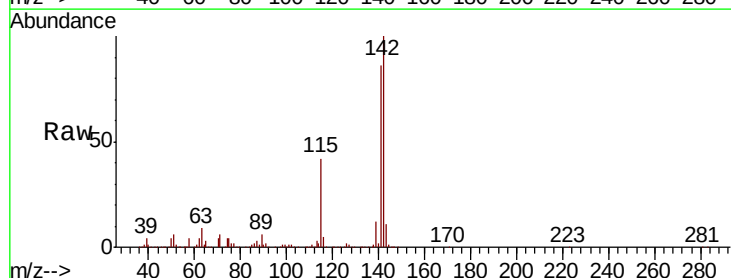
Tgt Ion:142 Resp: 1258916

Ion Ratio Lower Upper

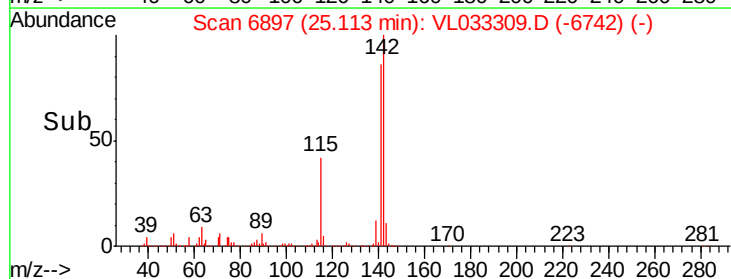
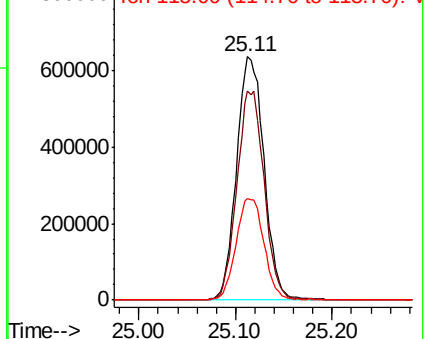
142 100

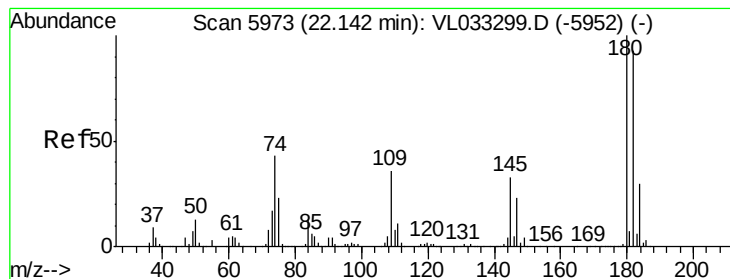
141 85.5 67.2 100.8

115 42.6 33.6 50.4



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: 12.185 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL033309.D
 Acq: 14 Mar 2019 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

Tgt Ion:180 Resp: 1371920

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
184	30.3	24.6	36.8

