

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033498.D
 Acq On : 29 Mar 2019 12:08
 Operator : SY/AP
 Sample : VL0329ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 01:08:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	857585	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2135451	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2296992	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1686731	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1566101	12.52	ppbv	99
3) Chlorodifluoromethane	3.01	51	1037805	10.51	ppbv	99
4) Chloromethane	3.17	50	545372	10.44	ppbv	100
5) Vinyl Chloride	3.29	62	545819	10.63	ppbv	94
6) Bromomethane	3.51	94	357591	10.84	ppbv	93
7) Chloroethane	3.60	64	200387	10.49	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1392516	10.45	ppbv	99
9) Propene	3.03	41	459796	11.09	ppbv	99
10) Heptane	8.25	43	1214262	10.96	ppbv	99
11) Trichlorofluoromethane	4.00	101	1529638	9.92	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1071517	10.35	ppbv	98
13) Ethanol	3.65	45	50740	4.73	ppbv	84
14) Bromoethene	3.79	108	448823	10.87	ppbv	99
15) Acetone	3.90	43	976145	9.47	ppbv	99
16) 1,3-Butadiene	3.36	39	457765	11.19	ppbv	93
17) tert-Butyl alcohol	4.35	59	177744	9.37	ppbv	99
18) 1,1-Dichloroethene	4.35	96	473224	10.64	ppbv	98
19) Isopropyl Alcohol	4.02	45	609834	9.35	ppbv	99
20) Methylene Chloride	4.41	84	409265	9.35	ppbv	94
21) Allyl Chloride	4.48	41	703803	10.80	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	484940	10.45	ppbv	94
23) Vinyl Acetate	5.15	43	1627164	11.09	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1167827	10.48	ppbv	99
25) Ethyl Acetate	5.77	43	1994487	10.43	ppbv	99
26) Hexane	5.78	57	904433	10.63	ppbv	97
27) Carbon Disulfide	4.62	76	1158760	11.46	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1358079	11.08	ppbv	100
29) Chloroform	5.85	83	1534464	10.52	ppbv	100
30) Cyclohexane	7.25	84	776655	11.54	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	936135	11.07	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1496480	10.78	ppbv	99
34) 2-Butanone	5.33	43	1322959	10.31	ppbv	99
35) Carbon Tetrachloride	7.14	117	1603794	10.60	ppbv	99
36) Benzene	7.01	78	1936277	10.81	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1148226	9.56	ppbv	99
38) Trichloroethene	7.96	130	769243	11.41	ppbv	96
39) 1,2-Dichloropropane	7.74	63	723332	10.31	ppbv	97
40) 1,4-Dioxane	7.95	88	243858	9.74	ppbv #	1
41) Tetrahydrofuran	6.15	42	741984	10.51	ppbv	96
42) Bromodichloromethane	7.92	83	1697737	10.38	ppbv	100
43) Methyl Methacrylate	8.14	69	797481	10.96	ppbv	99

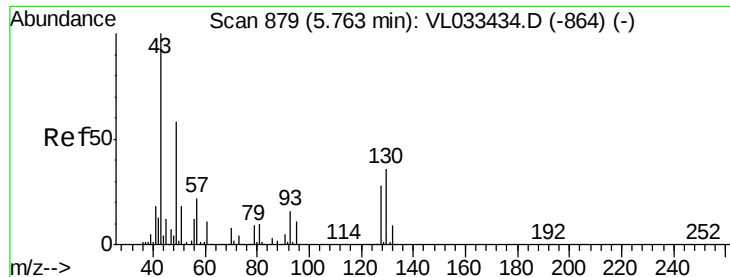
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3192063	10.19	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1065376	11.93	ppbv	95
46) cis-1,3-Dichloropropene	8.84	75	1225423	11.75	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	833709	10.46	ppbv	99
48) Dibromochloromethane	10.45	129	1497975	11.14	ppbv	99
49) Bromoform	13.20	173	1364886	10.63	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1968108	10.48	ppbv	99
51) 2-Hexanone	10.27	43	1559231	11.13	ppbv	99
52) Tetrachloroethene	11.38	164	772268	11.42	ppbv	96
53) Toluene	9.95	91	2344759	11.26	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1348008	10.81	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1043015	9.91	ppbv	99
57) Chlorobenzene	12.30	112	1784506	10.01	ppbv	99
58) Ethyl Benzene	12.87	91	3307656	10.78	ppbv	99
59) m/p-Xylene	13.16	91	2939713	10.73	ppbv #	100
60) o-Xylene	13.85	91	2713272	10.24	ppbv	99
61) Styrene	13.69	104	2054346	11.30	ppbv	98
62) Isopropylbenzene	14.83	105	3840318	10.24	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1884142	9.66	ppbv	99
64) n-propylbenzene	15.73	120	995628	10.46	ppbv	96
65) tert-Butylbenzene	16.91	119	3461729	10.47	ppbv	99
66) Benzyl Chloride	17.16	91	1843307	11.99	ppbv	99
67) sec-Butylbenzene	17.46	105	4895312	10.41	ppbv	100
69) p-Isopropyltoluene	17.82	119	4071855	10.64	ppbv	100
70) n-Butylbenzene	18.72	91	4278998	10.55	ppbv	100
71) 2-Chlorotoluene	15.62	91	2969058	10.41	ppbv	99
72) 4-Ethyltoluene	16.00	105	3205007	10.76	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3075652	10.79	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3182825	10.42	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1887699	10.00	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1896501	10.31	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1843346	10.29	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1386311	11.69	ppbv	99
79) Naphthalene	22.41	128	3163947	12.10	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	1409593	16.06	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1624494	11.20	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

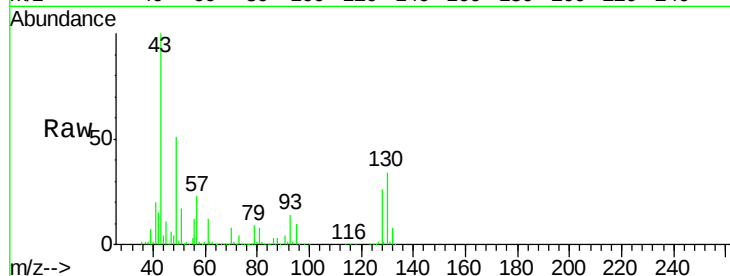
Tot Ion: 49 Resp: 857585

Ion Ratio Lower Upper

49 100

128 50.1 24.0 72.0

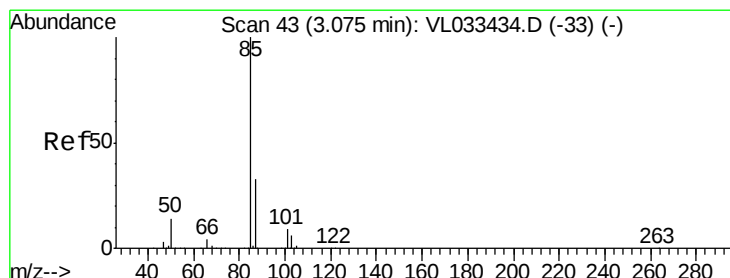
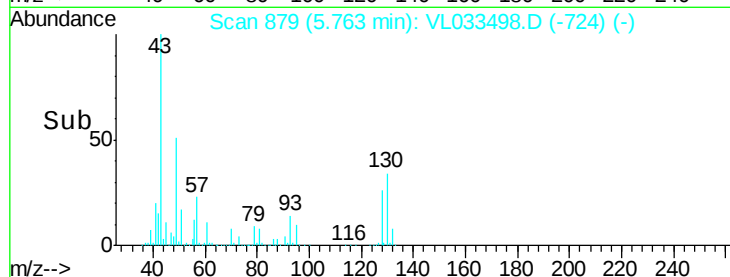
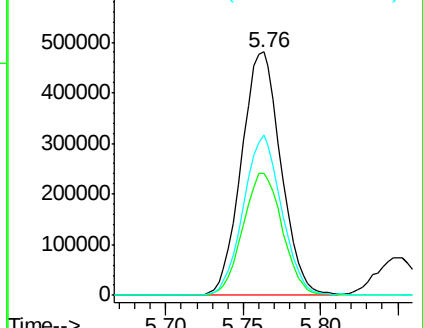
130 63.9 31.2 93.6



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: 12.52 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033498.D

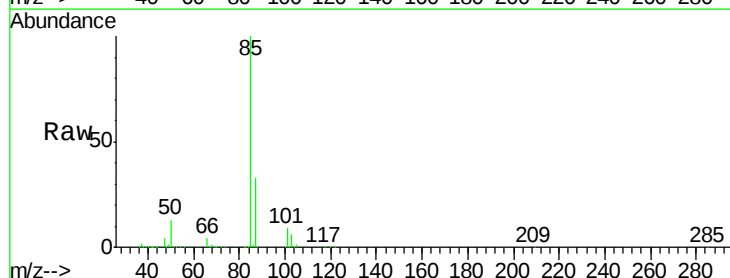
Acq: 29 Mar 2019 12:08

Tgt Ion: 85 Resp: 1566101

Ion Ratio Lower Upper

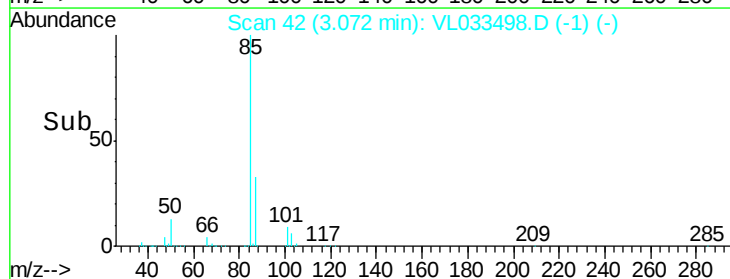
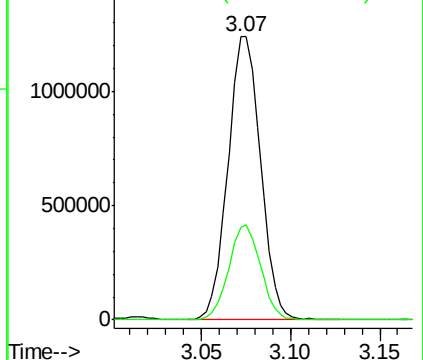
85 100

87 32.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.51 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

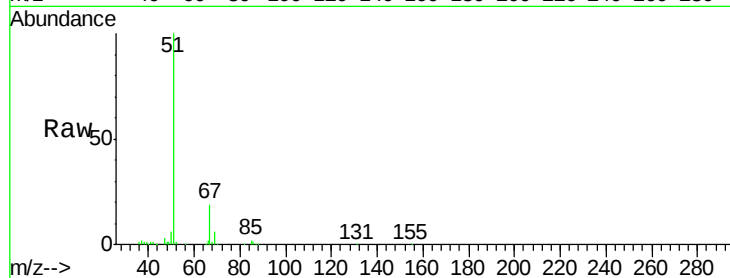
ClientSampleId :

Tot Ion: 51 Resp: 1037805

Ion Ratio Lower Upper

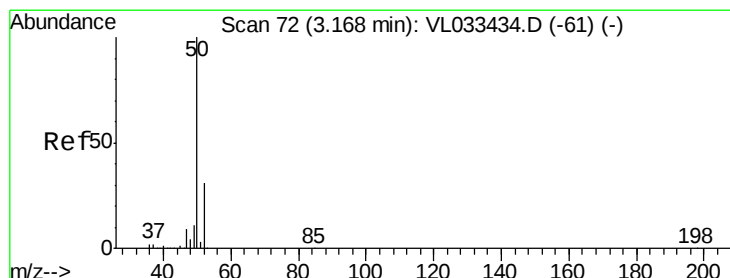
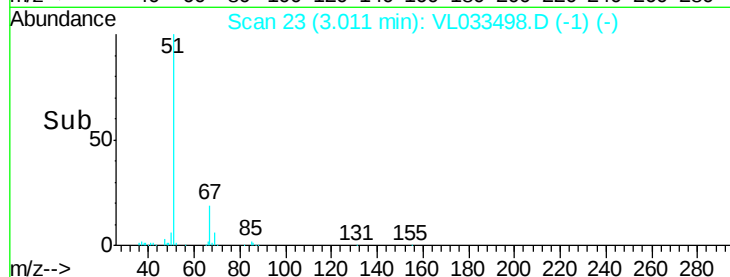
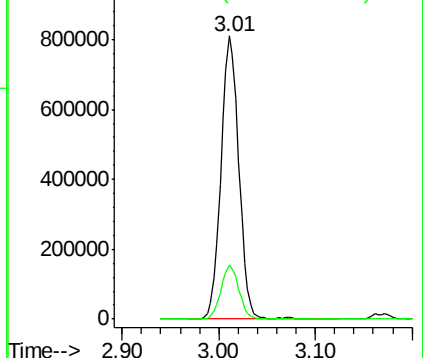
51 100

67 19.2 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.44 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033498.D

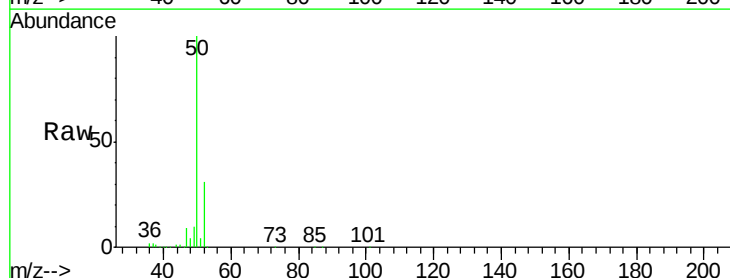
Acq: 29 Mar 2019 12:08

Tgt Ion: 50 Resp: 545372

Ion Ratio Lower Upper

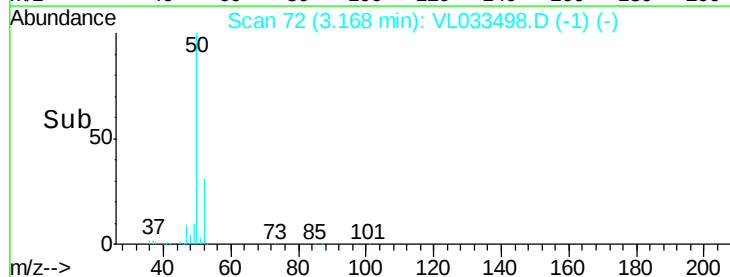
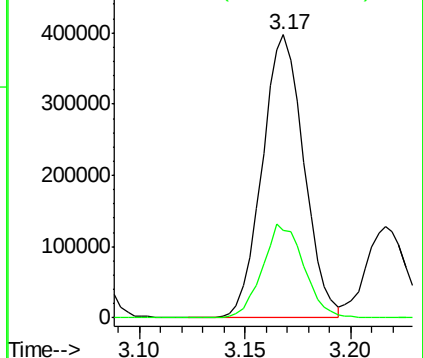
50 100

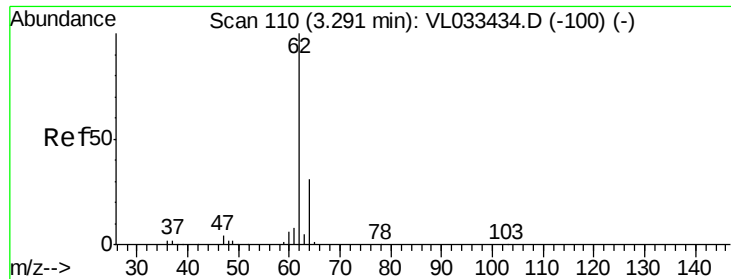
52 31.2 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.63 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

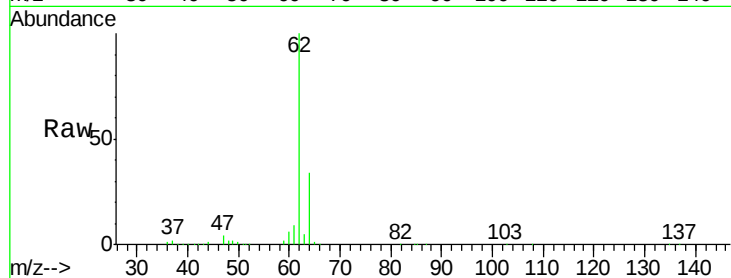
ClientSampleId :

Tot Ion: 62 Resp: 545819

Ion Ratio Lower Upper

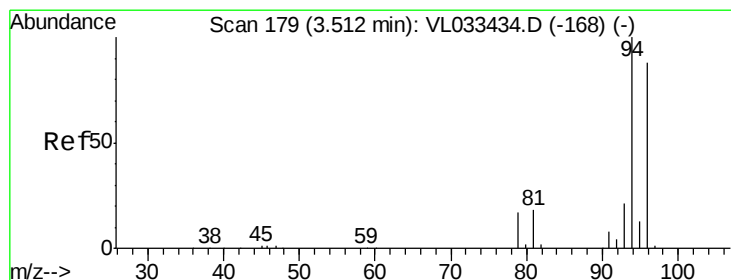
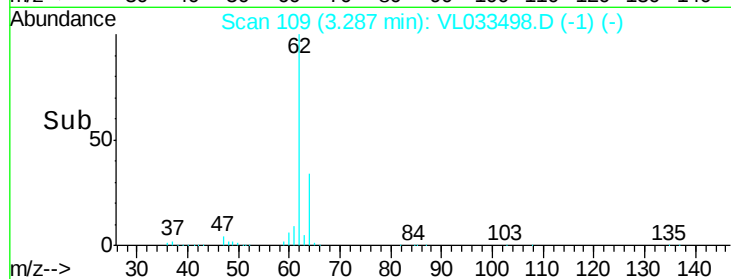
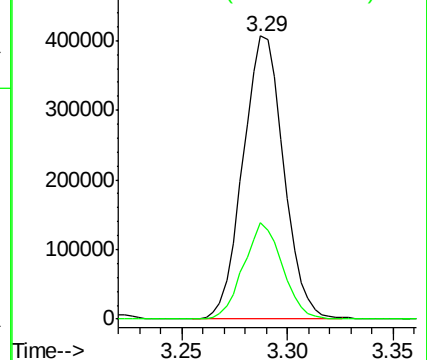
62 100

64 34.3 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.84 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033498.D

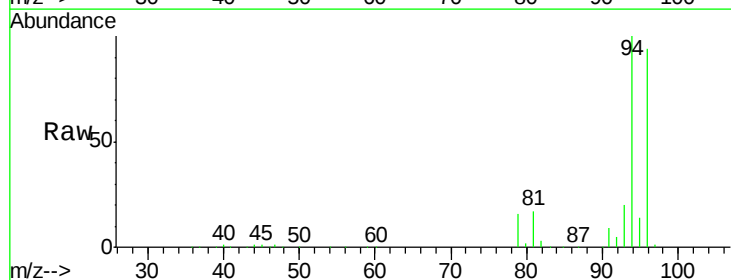
Acq: 29 Mar 2019 12:08

Tgt Ion: 94 Resp: 357591

Ion Ratio Lower Upper

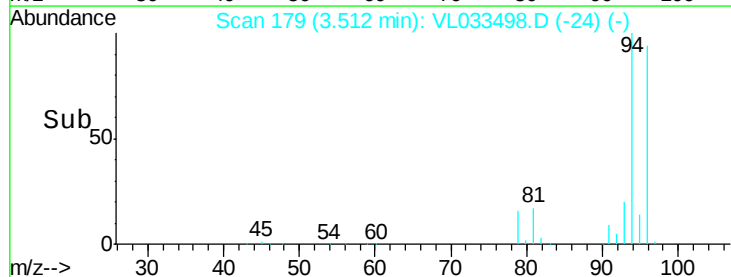
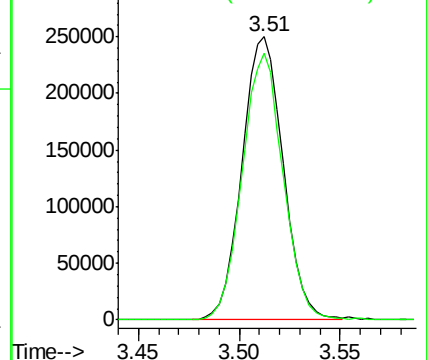
94 100

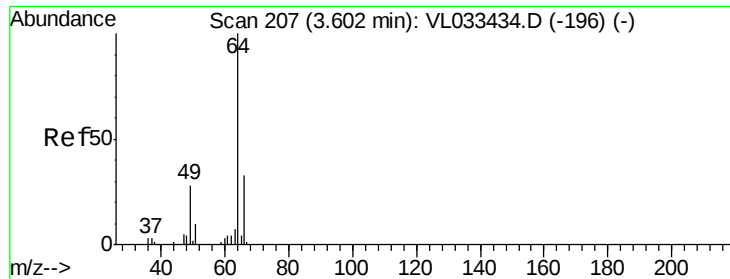
96 94.2 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.49 ppbv

RT: 3.60 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

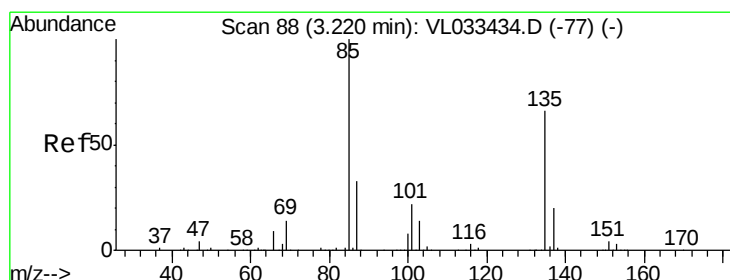
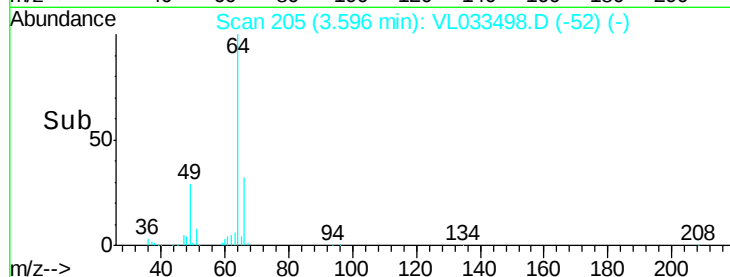
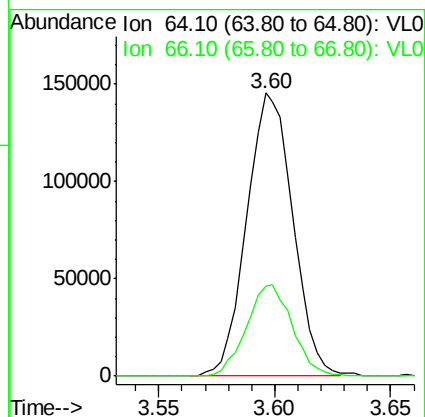
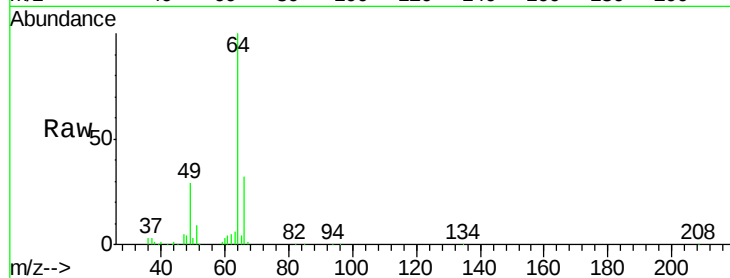
ClientSampleId :

Tot Ion: 64 Resp: 200387

Ion Ratio Lower Upper

64 100

66 31.7 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 10.45 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033498.D

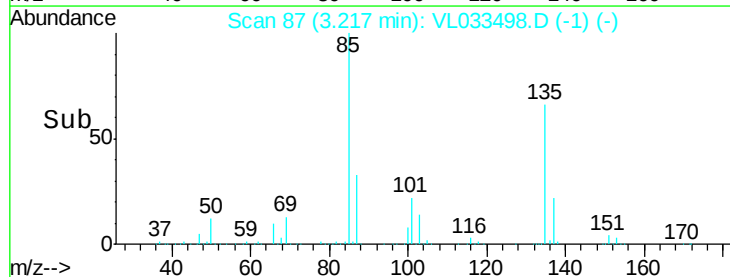
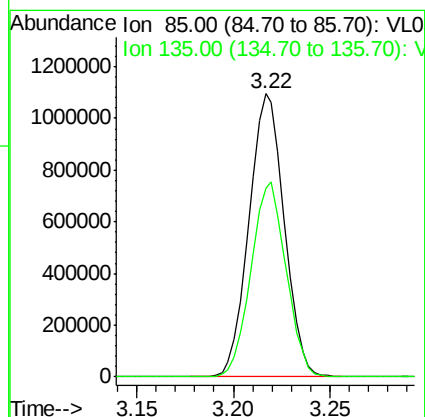
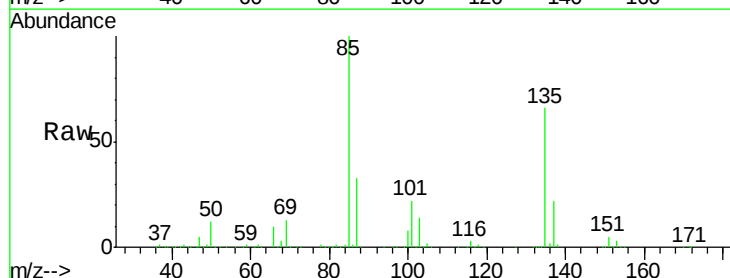
Acq: 29 Mar 2019 12:08

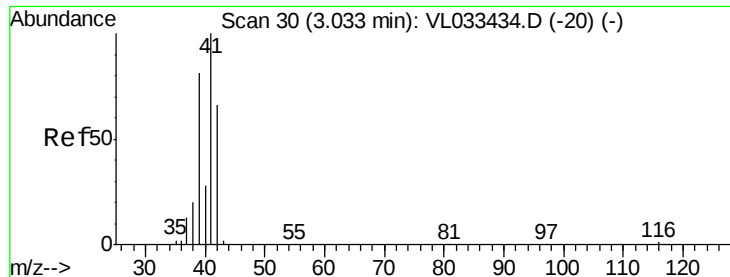
Tgt Ion: 85 Resp: 1392516

Ion Ratio Lower Upper

85 100

135 68.6 54.0 81.0





#9

Propene

Concen: 11.09 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

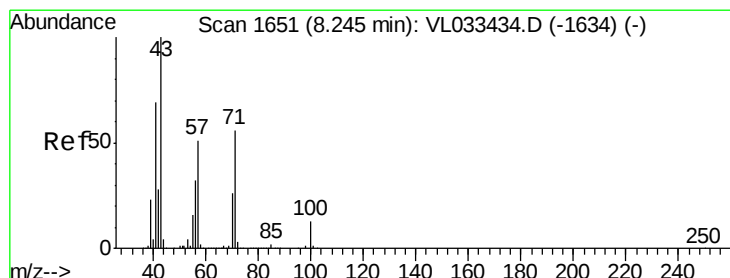
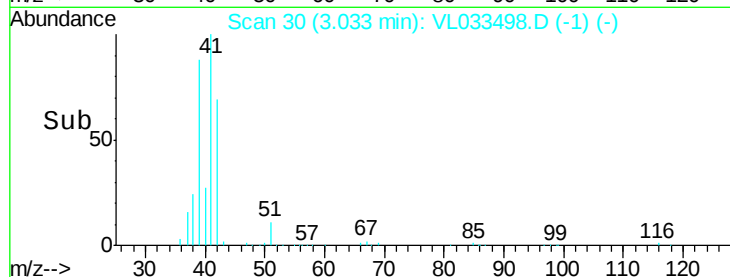
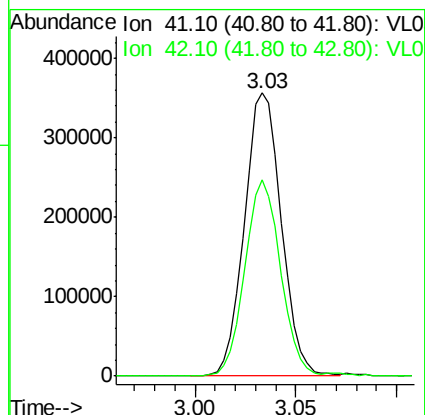
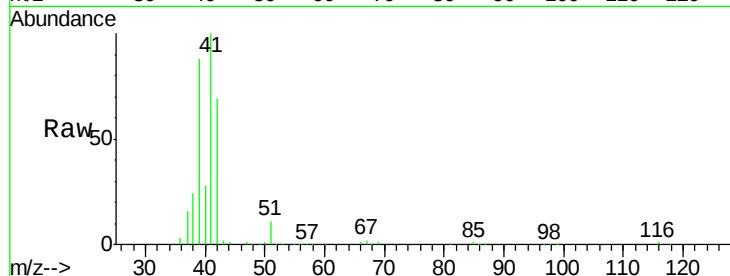
ClientSampleId :

Tot Ion: 41 Resp: 459796

Ion Ratio Lower Upper

41 100

42 67.9 53.9 80.9



#10

Heptane

Concen: 10.96 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033498.D

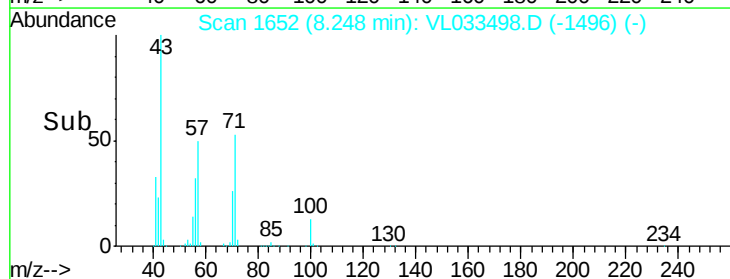
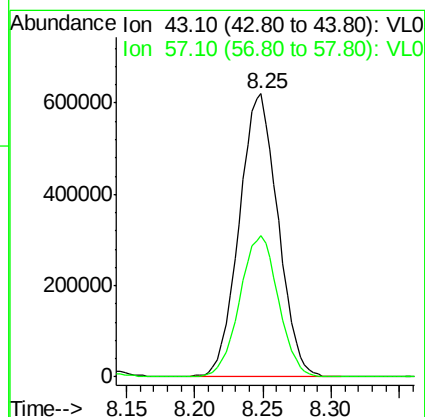
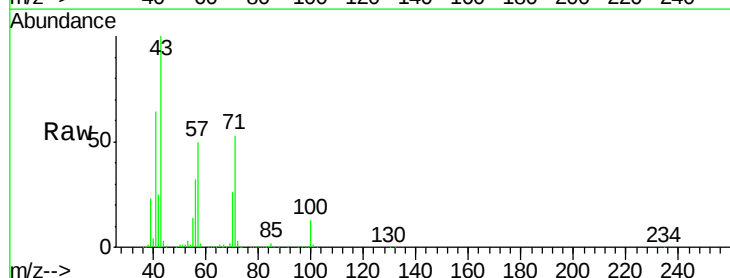
Acq: 29 Mar 2019 12:08

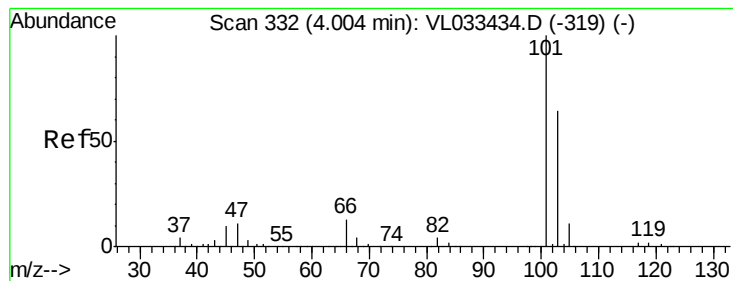
Tgt Ion: 43 Resp: 1214262

Ion Ratio Lower Upper

43 100

57 50.3 40.6 60.8





#11

Trichlorofluoromethane

Concen: 9.92 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

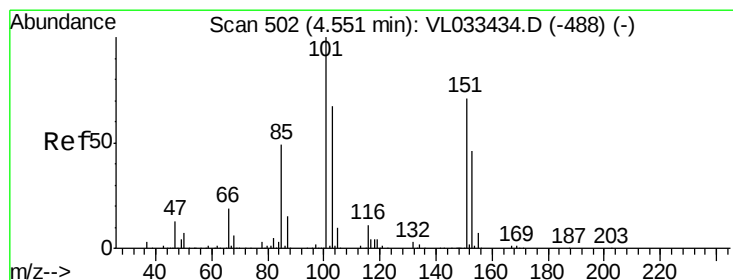
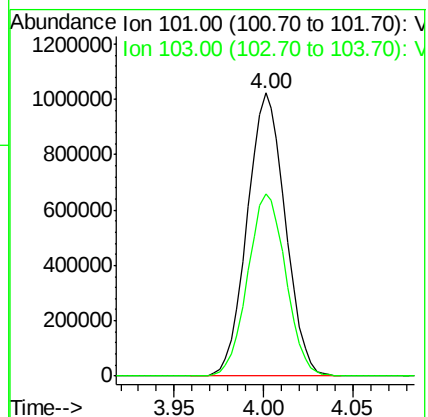
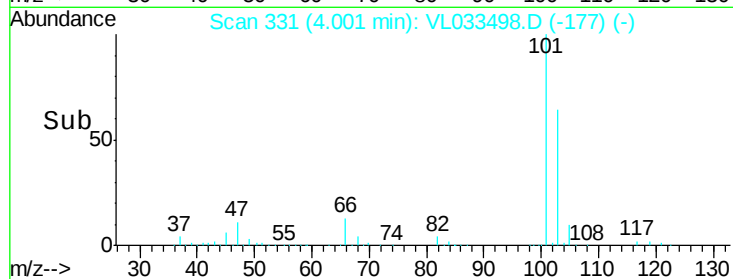
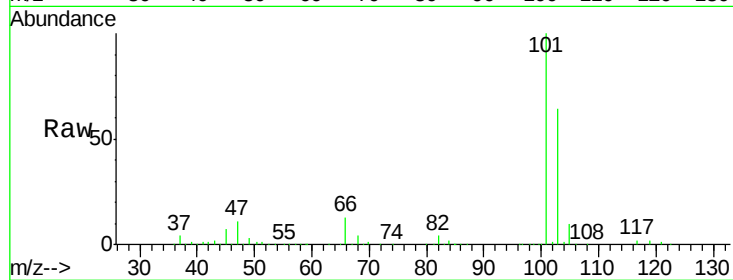
Instrument :
MSVOA_L
ClientSampled :

Tot Ion:101 Resp: 1529638

Ion Ratio Lower Upper

101 100

103 64.4 51.3 76.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.35 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033498.D

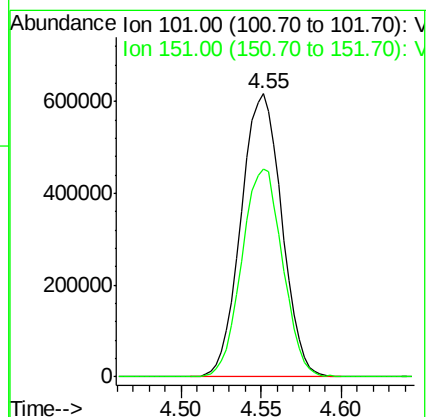
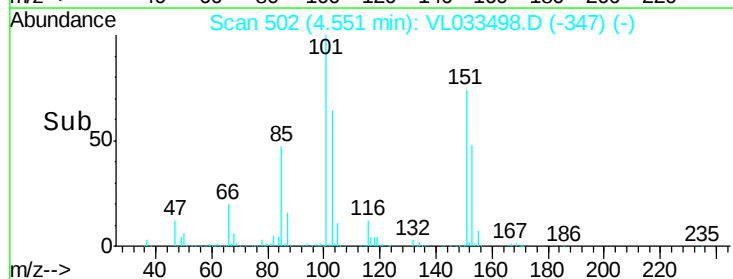
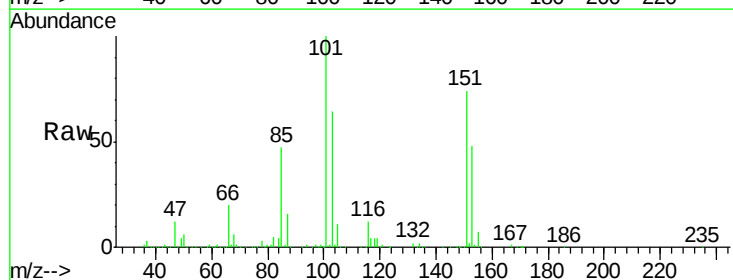
Acq: 29 Mar 2019 12:08

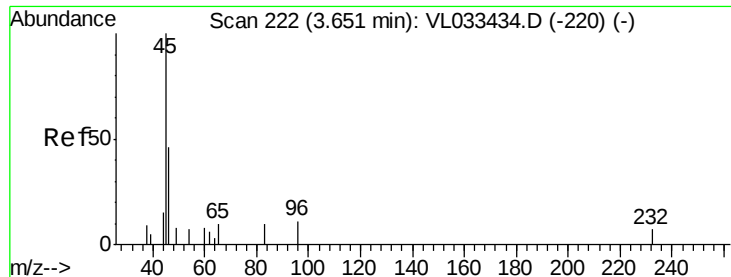
Tgt Ion:101 Resp: 1071517

Ion Ratio Lower Upper

101 100

151 73.7 57.7 86.5





#13

Ethanol

Concen: 4.73 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

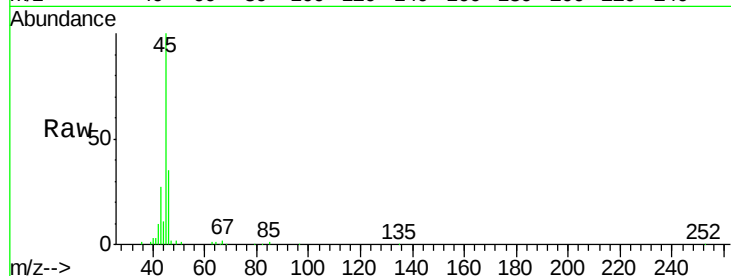
ClientSampleId :

Tot Ion: 45 Resp: 50740

Ion Ratio Lower Upper

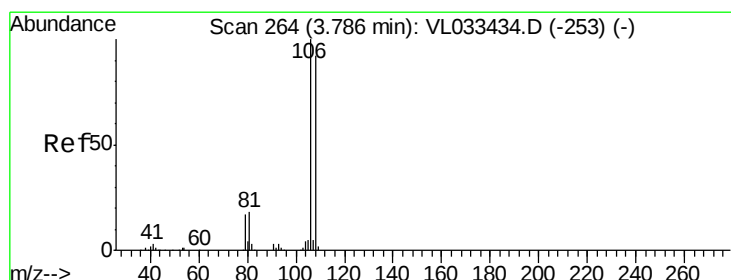
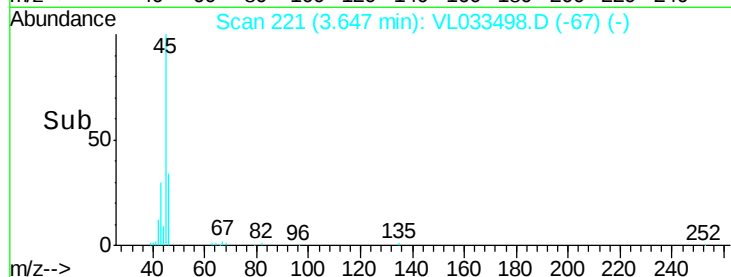
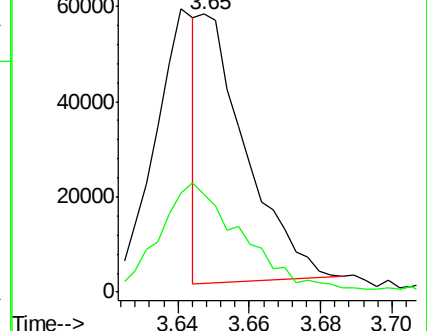
45 100

46 76.1 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.87 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

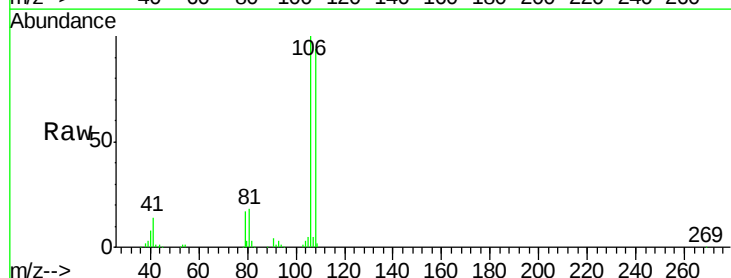
Tgt Ion: 108 Resp: 448823

Ion Ratio Lower Upper

108 100

106 108.6 86.4 129.6

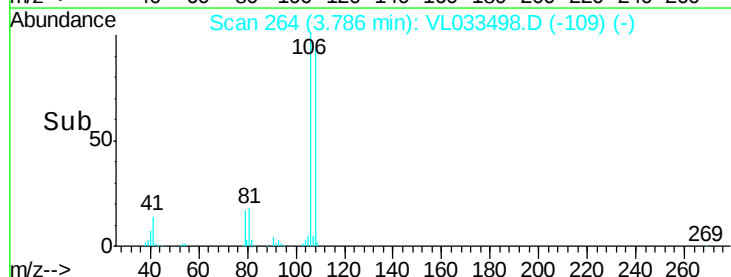
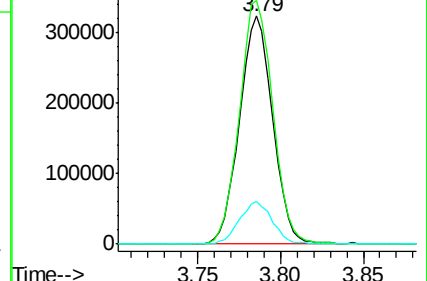
79 18.7 15.8 23.8

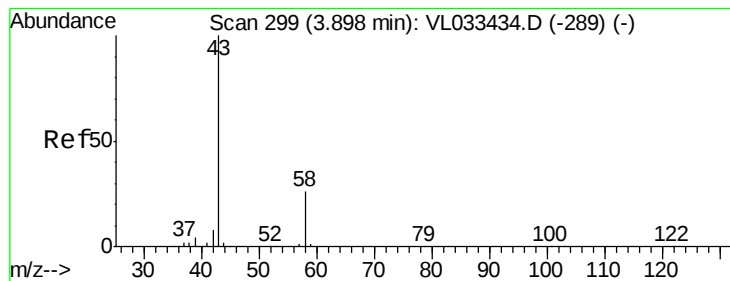


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.47 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

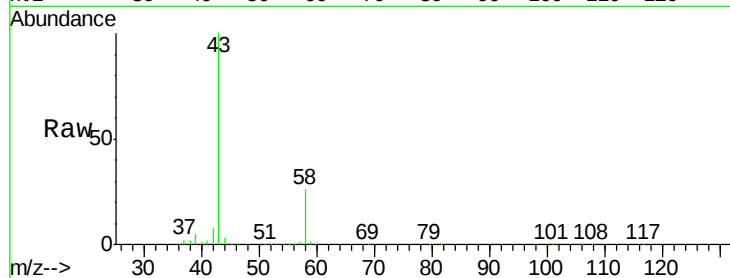
ClientSampleId :

Tot Ion: 43 Resp: 976145

Ion Ratio Lower Upper

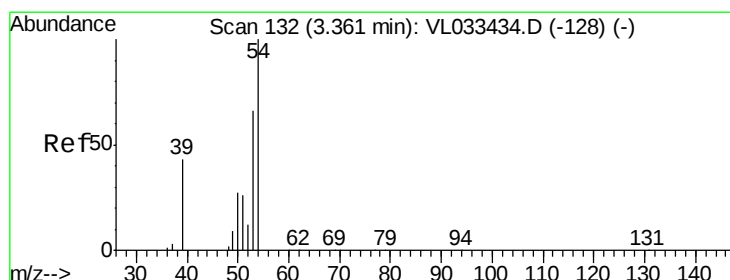
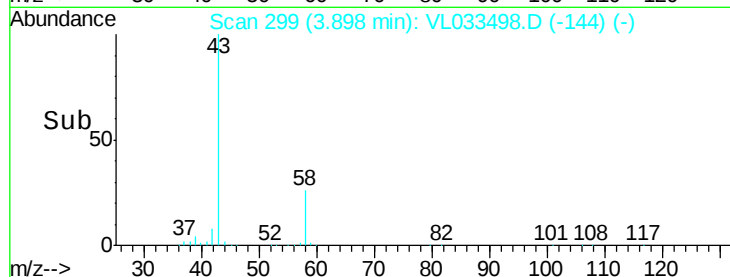
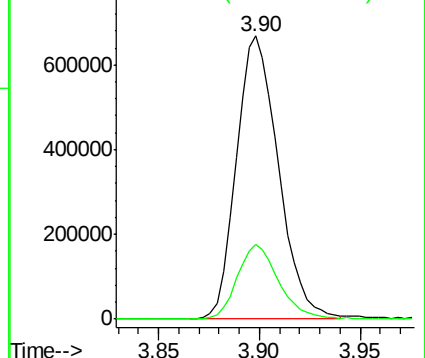
43 100

58 26.0 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 11.19 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033498.D

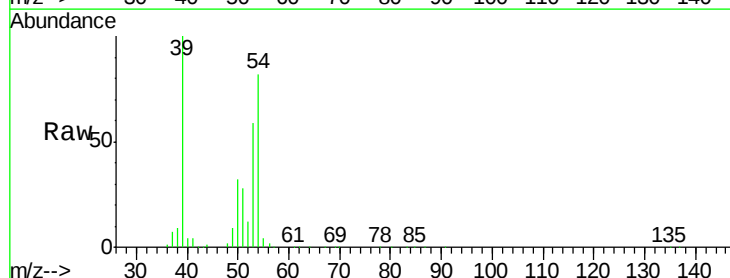
Acq: 29 Mar 2019 12:08

Tgt Ion: 39 Resp: 457765

Ion Ratio Lower Upper

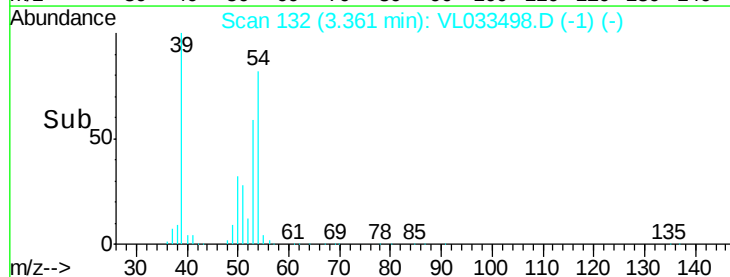
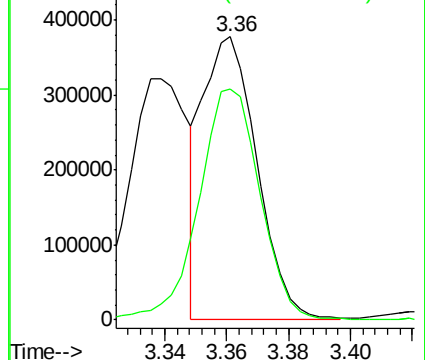
39 100

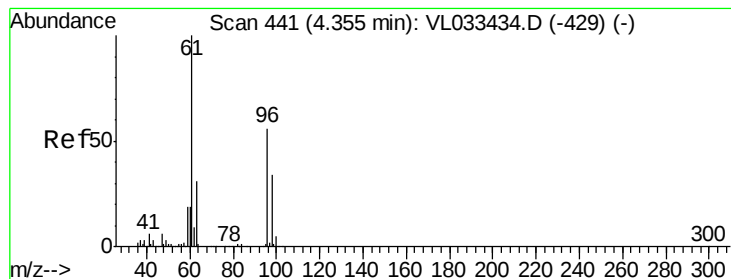
54 93.1 69.4 104.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.37 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

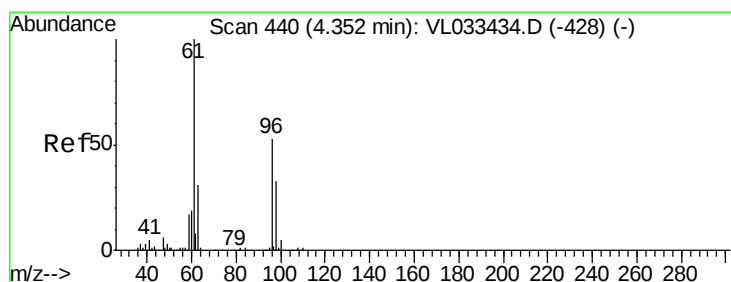
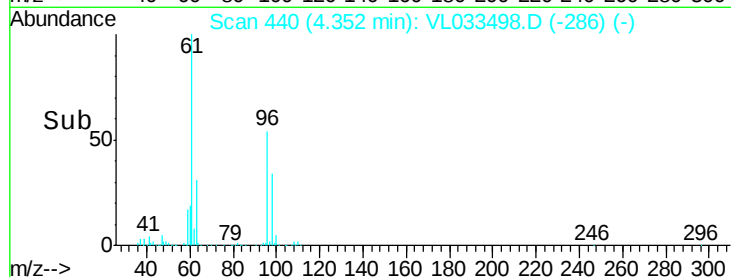
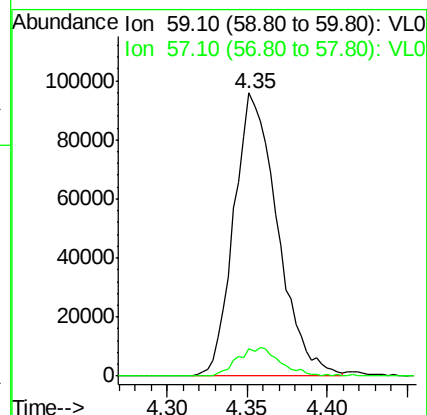
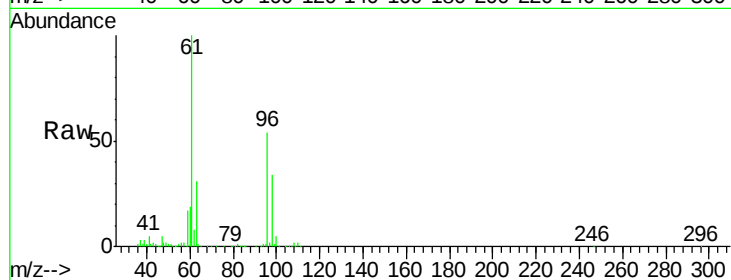
ClientSampled :

Tot Ion: 59 Resp: 177744

Ion Ratio Lower Upper

59 100

57 10.2 7.8 11.8



#18

1,1-Dichloroethene

Concen: 10.64 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

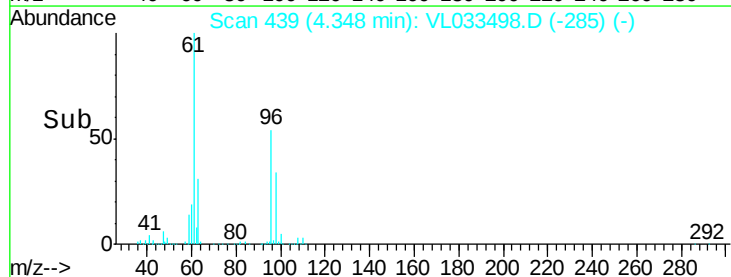
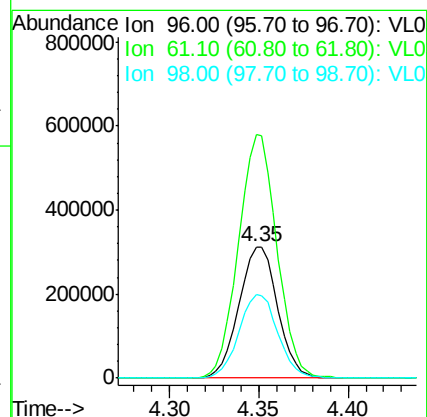
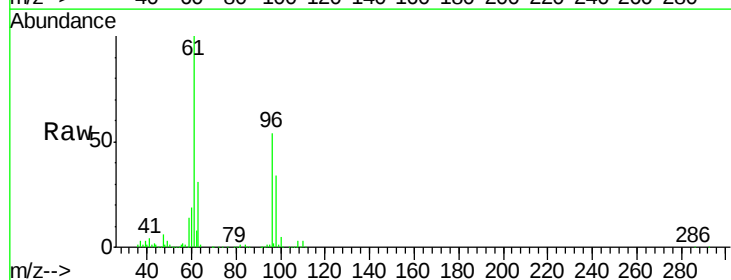
Tgt Ion: 96 Resp: 473224

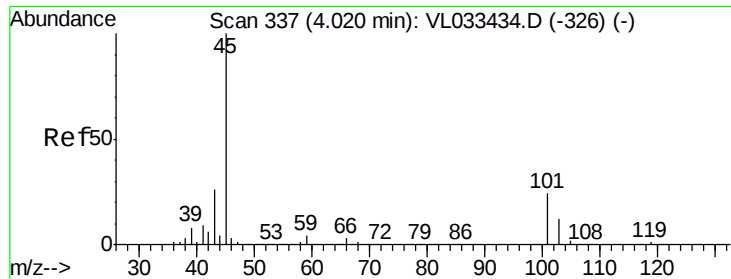
Ion Ratio Lower Upper

96 100

61 185.3 149.8 224.6

98 63.7 48.7 73.1





#19

Isopropyl Alcohol

Concen: 9.35 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

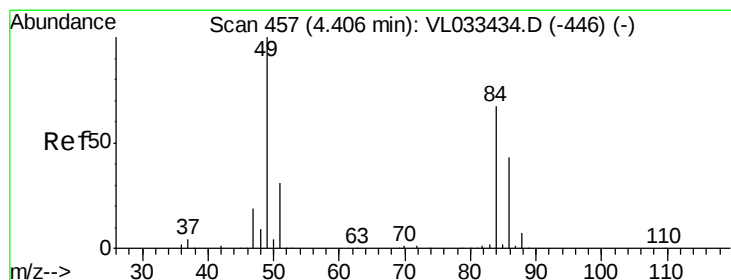
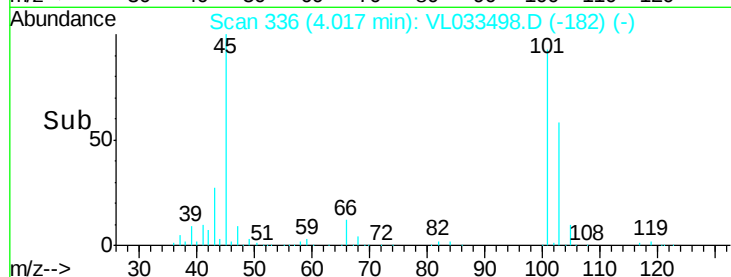
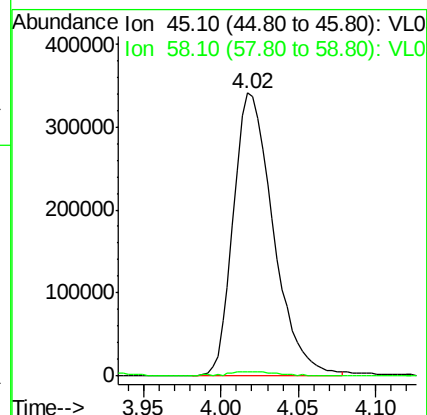
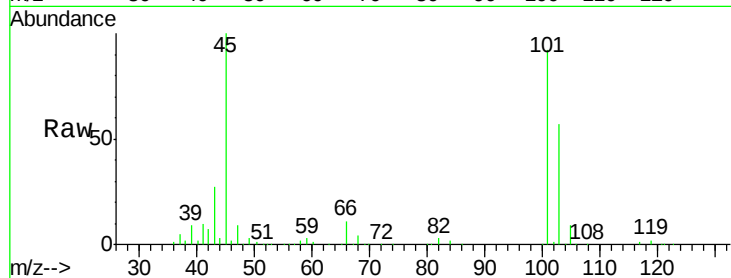
ClientSampleId :

Tot Ion: 45 Resp: 609834

Ion Ratio Lower Upper

45 100

58 2.1 1.4 2.2



#20

Methylene Chloride

Concen: 9.35 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Tgt Ion: 84 Resp: 409265

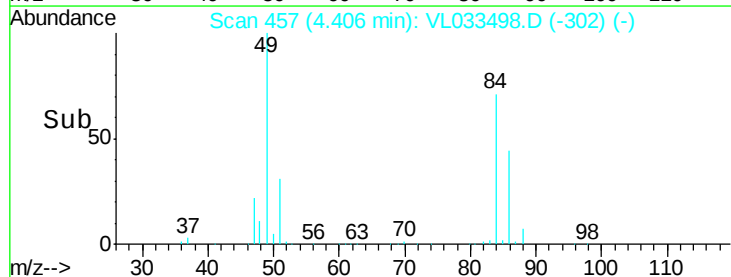
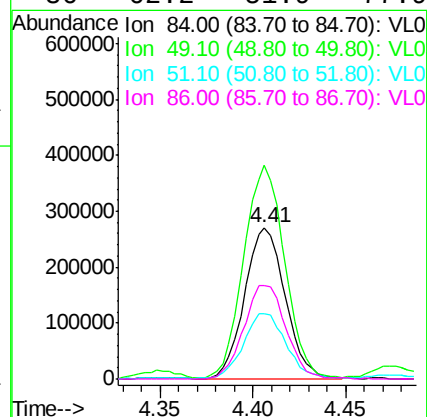
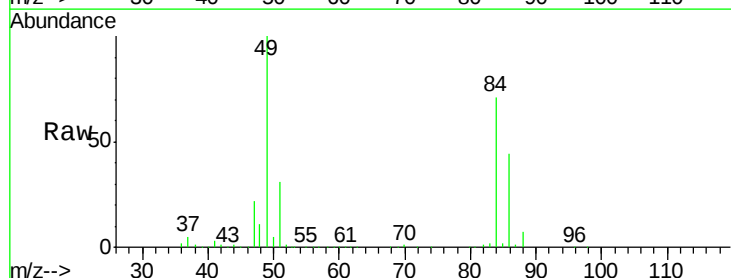
Ion Ratio Lower Upper

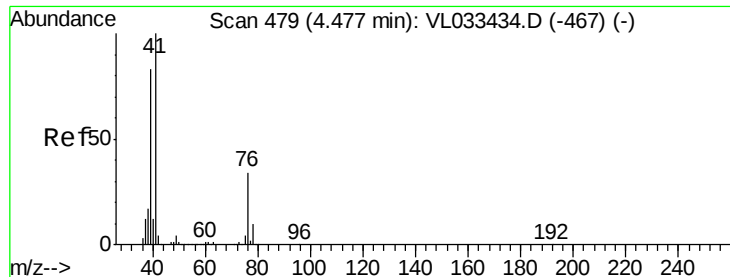
84 100

49 140.4 120.0 180.0

51 42.9 36.7 55.1

86 62.2 51.9 77.9

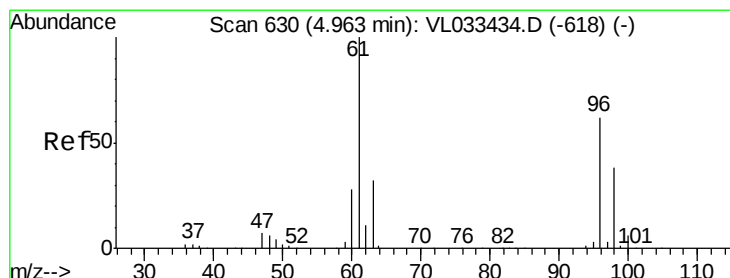
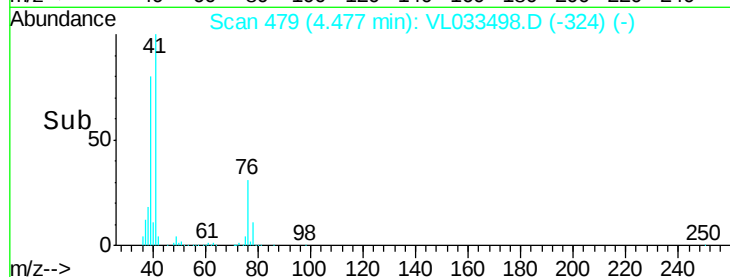
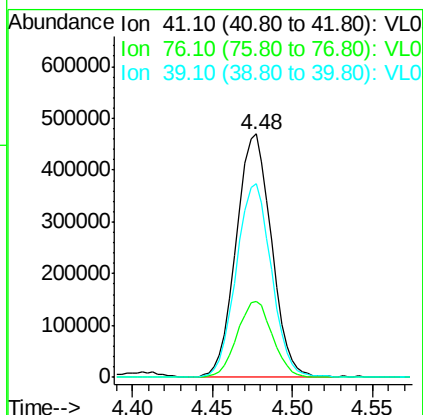
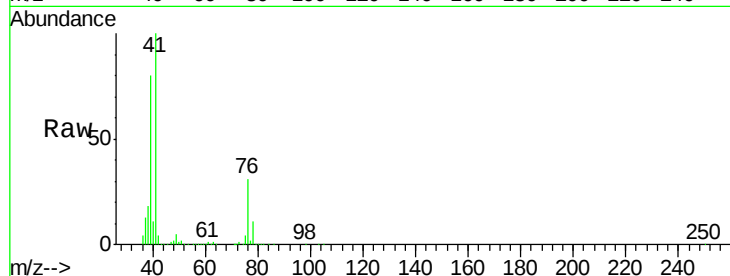




#21
Allvl Chloride
Concen: 10.80 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

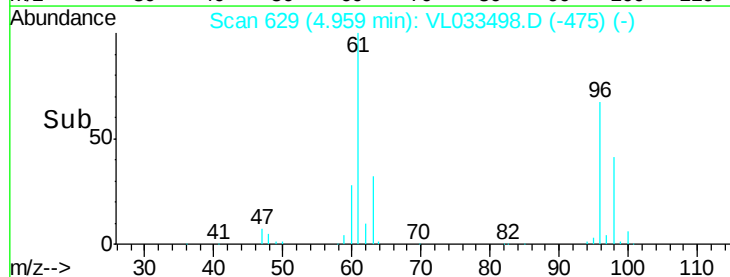
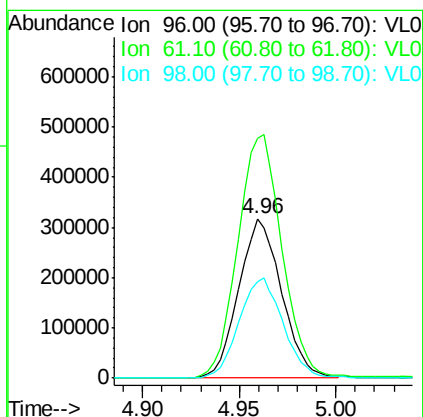
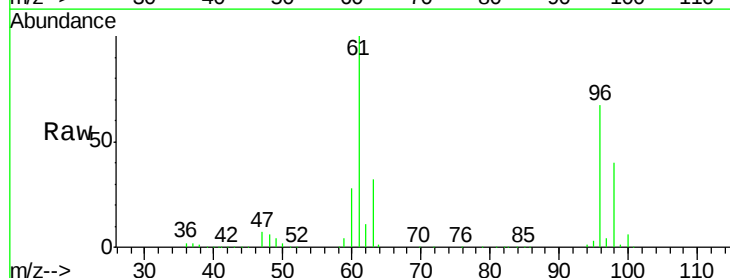
Instrument :
MSVOA_L
ClientSampleId :

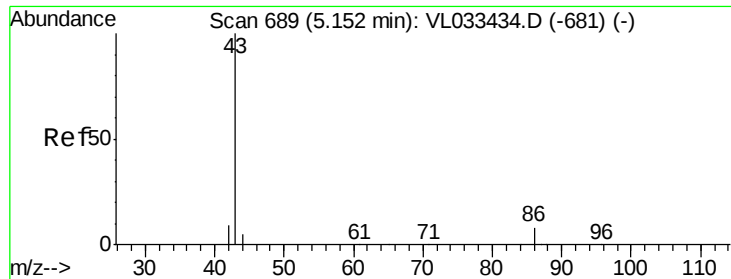
Tot Ion: 41 Resp: 703803
Ion Ratio Lower Upper
41 100
76 31.2 25.4 38.2
39 80.2 65.3 97.9



#22
trans-1,2-Dichloroethene
Concen: 10.45 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Tgt Ion: 96 Resp: 484940
Ion Ratio Lower Upper
96 100
61 150.2 128.9 193.3
98 60.7 49.5 74.3





#23

Vinyl Acetate

Concen: 11.09 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

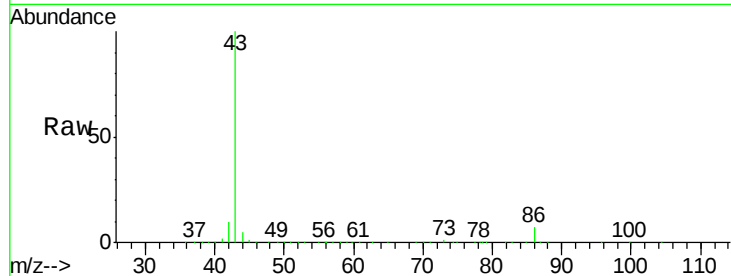
Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

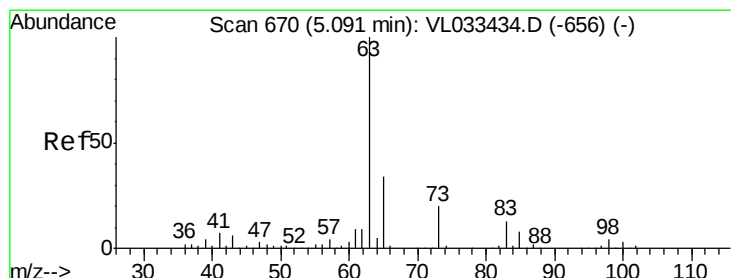
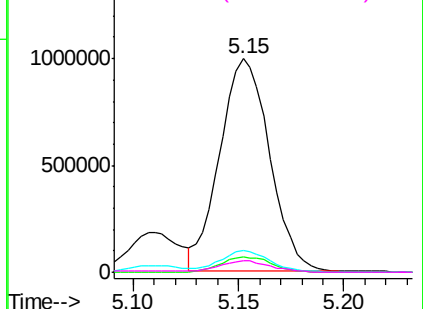
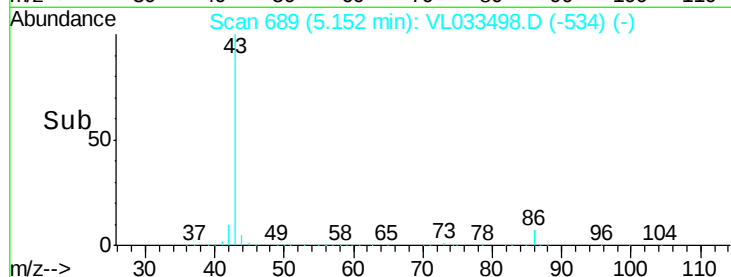
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1627164

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.6	8.4
42	10.0	8.0	12.0
44	5.1	3.9	5.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.48 ppbv

RT: 5.09 min Scan# 670

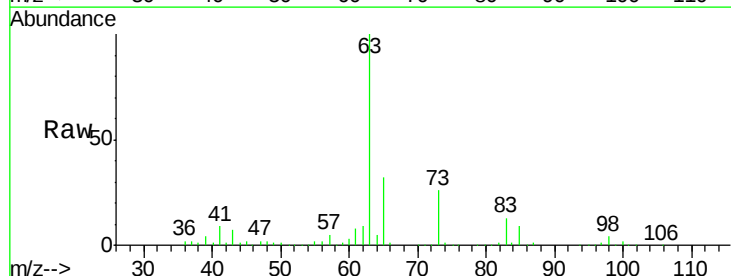
Delta R.T. -0.00 min

Lab File: VL033498.D

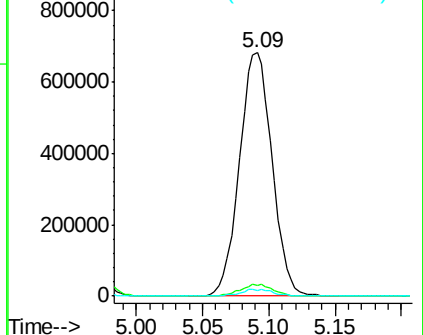
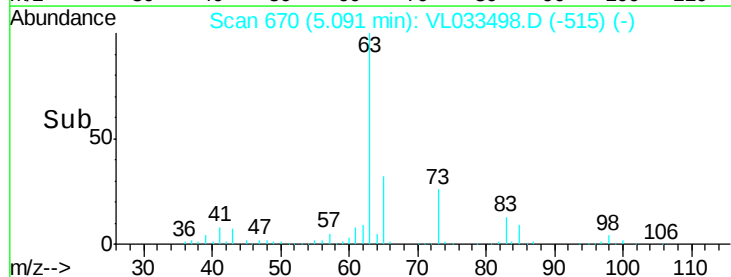
Acq: 29 Mar 2019 12:08

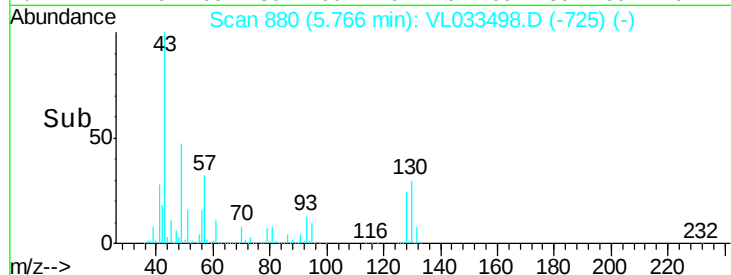
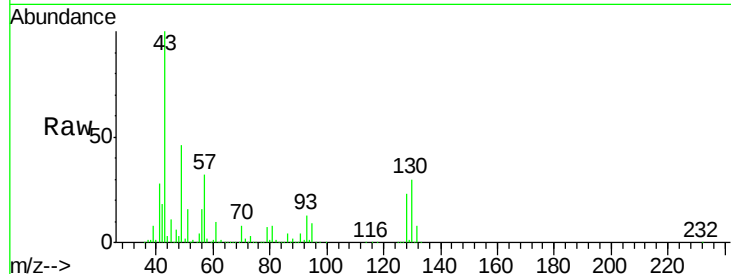
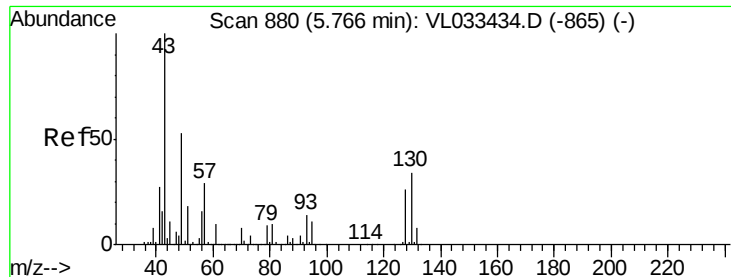
Tgt Ion: 63 Resp: 1167827

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.2	6.6
100	2.5	1.5	4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

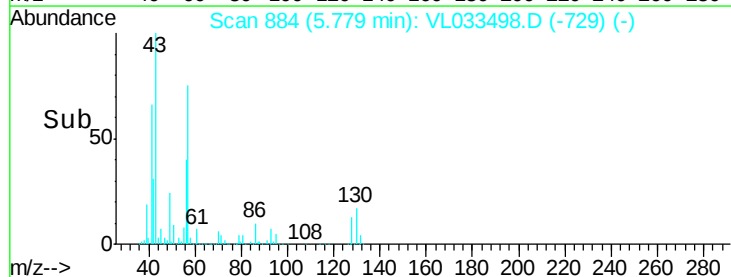
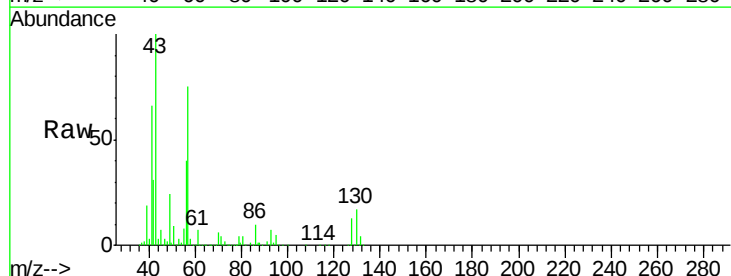
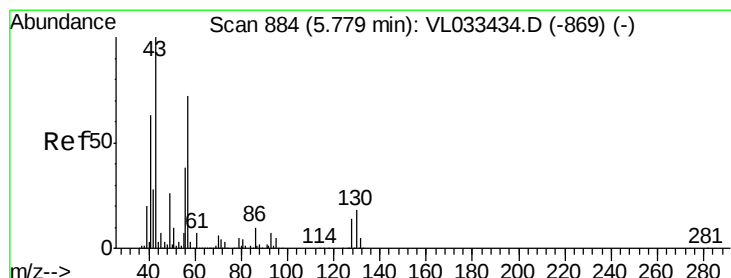
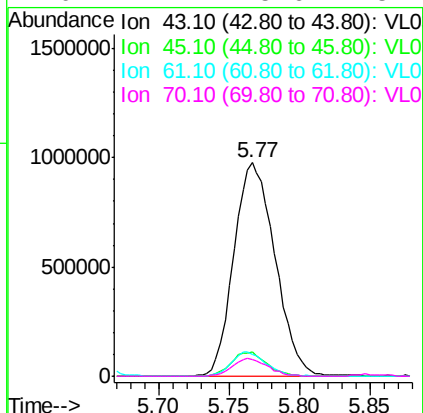




#25
Ethyl Acetate
Concen: 10.43 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Tot Ion: 43 Resp: 1994487

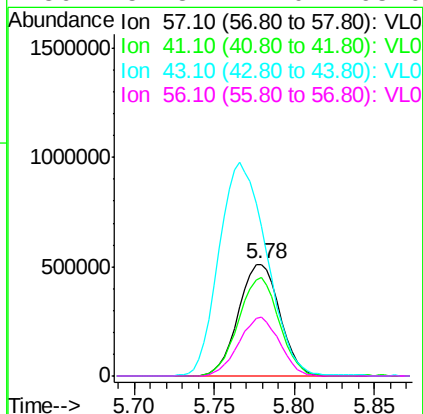
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.5	7.3	10.9
70	7.1	5.6	8.4

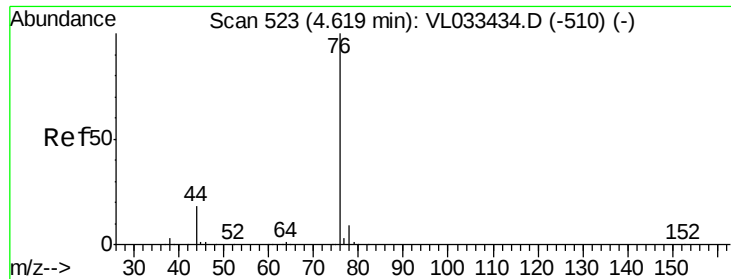


#26
Hexane
Concen: 10.63 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Tgt Ion: 57 Resp: 904433

Ion	Ratio	Lower	Upper
57	100		
41	87.0	70.7	106.1
43	221.1	182.6	274.0
56	51.8	42.0	63.0





#27

Carbon Disulfide

Concen: 11.46 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

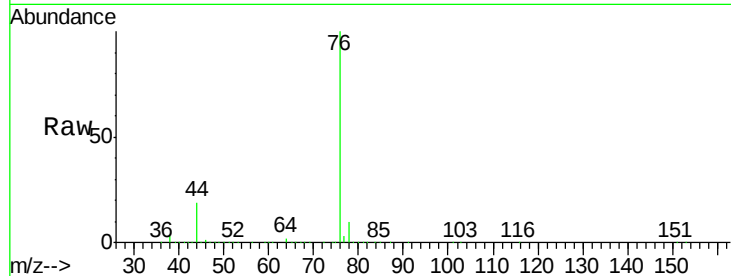
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1158760

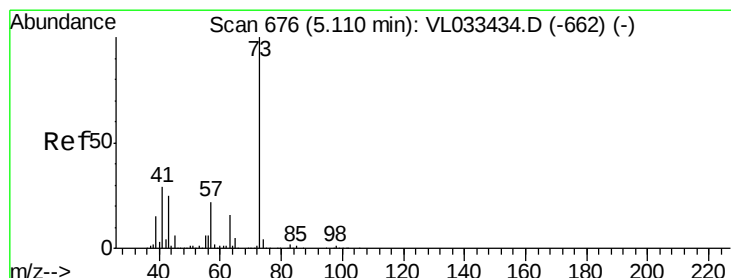
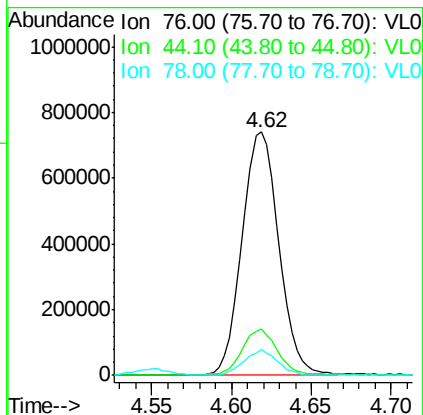
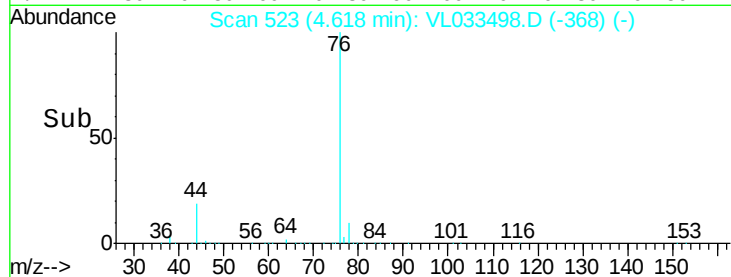
Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.8	22.2
78	9.4	7.6	11.4



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: 11.08 ppbv

RT: 5.11 min Scan# 676

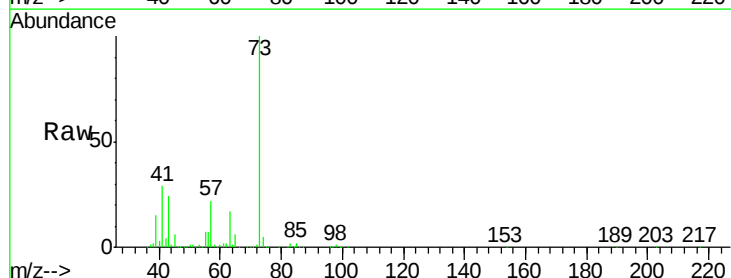
Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

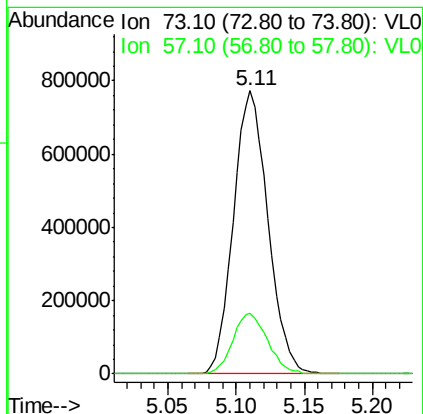
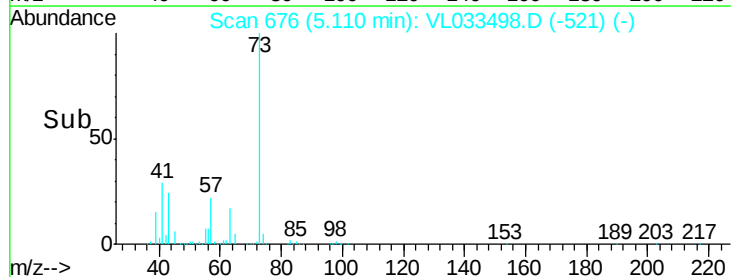
Tgt Ion: 73 Resp: 1358079

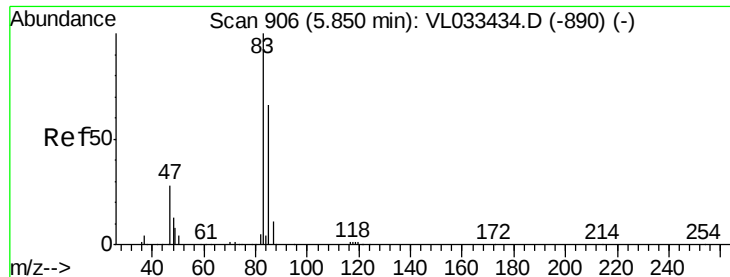
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

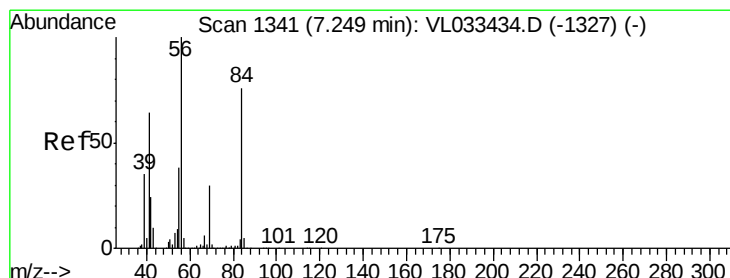
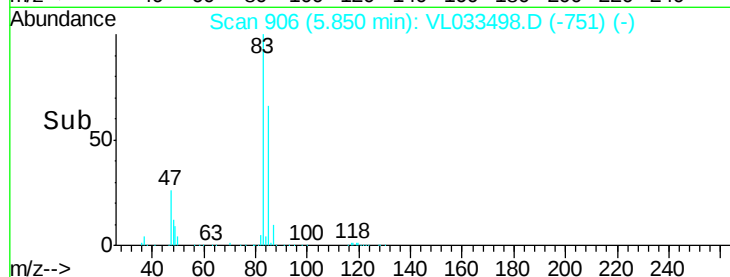
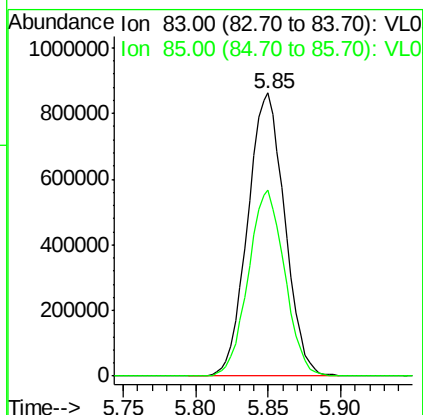
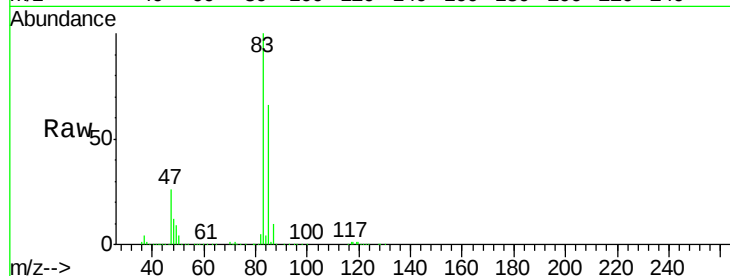




#29
Chloroform
Concen: 10.52 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

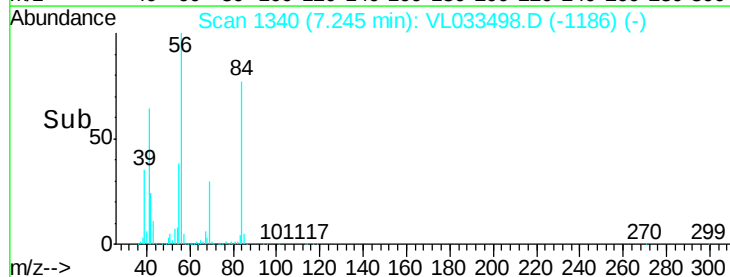
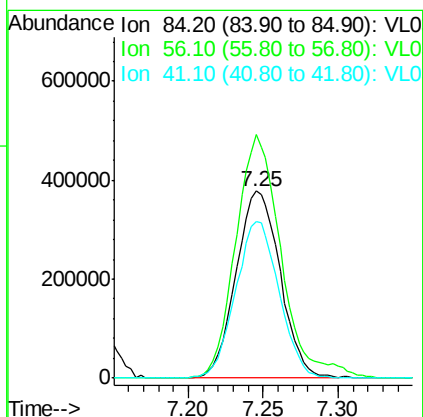
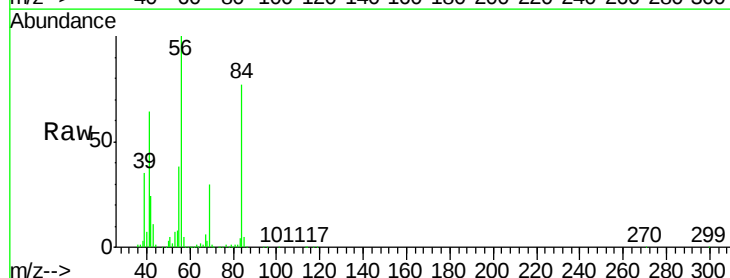
Instrument :
MSVOA_L
ClientSampleId :

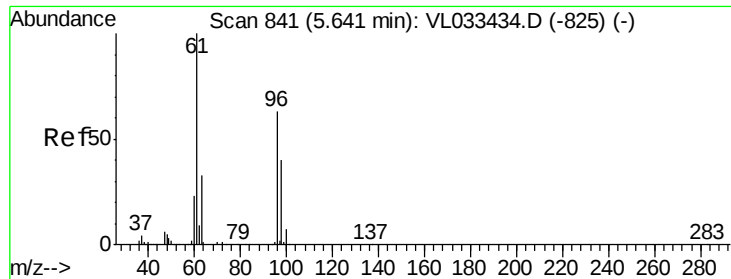
Tot Ion: 83 Resp: 1534464
Ion Ratio Lower Upper
83 100
85 65.6 52.6 79.0



#30
Cyclohexane
Concen: 11.54 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Tgt Ion: 84 Resp: 776655
Ion Ratio Lower Upper
84 100
56 134.1 109.7 164.5
41 82.9 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 11.07 ppbv

RT: 5.64 min Scan# 841

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :
MSVOA_L
ClientSampleId :

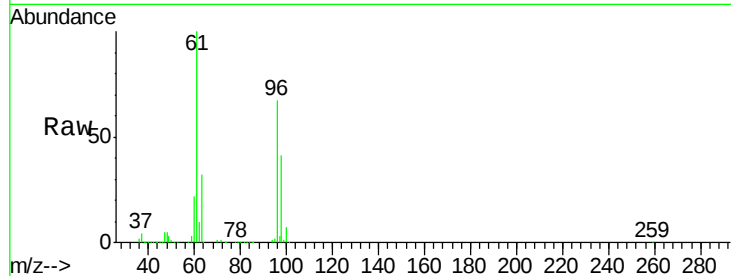
Tot Ion: 61 Resp: 936135

Ion Ratio Lower Upper

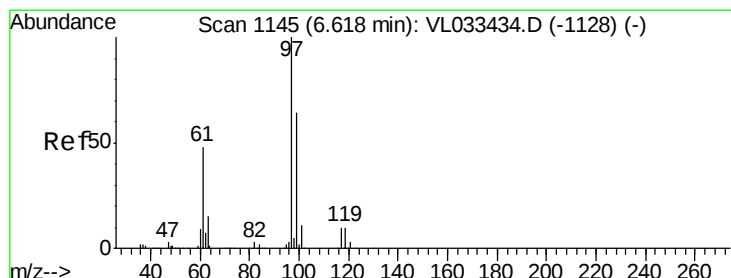
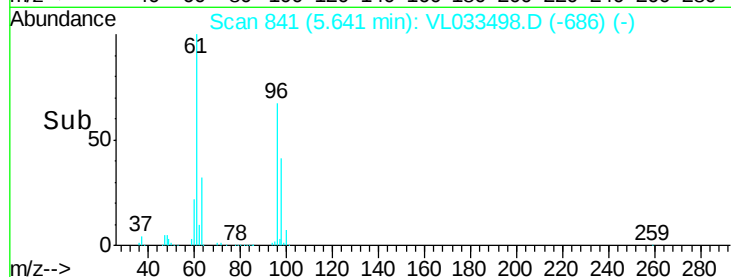
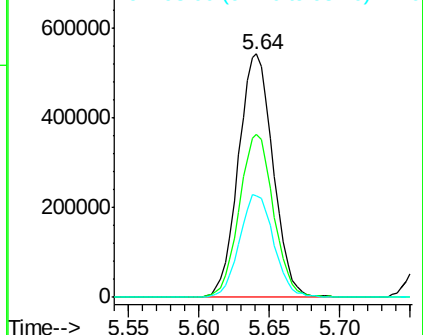
61 100

96 67.0 50.6 76.0

98 41.4 32.2 48.2



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



#32

1,1,1-Trichloroethane

Concen: 10.78 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

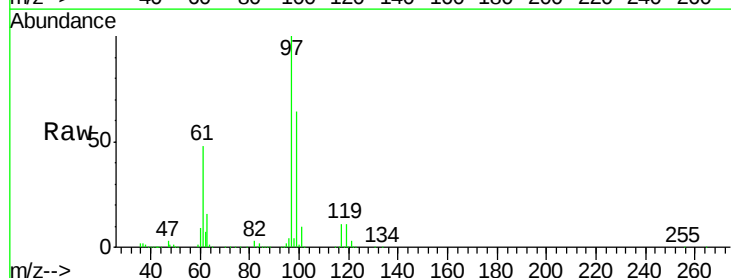
Tgt Ion: 97 Resp: 1496480

Ion Ratio Lower Upper

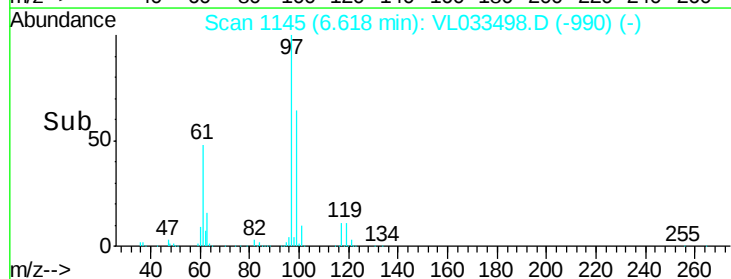
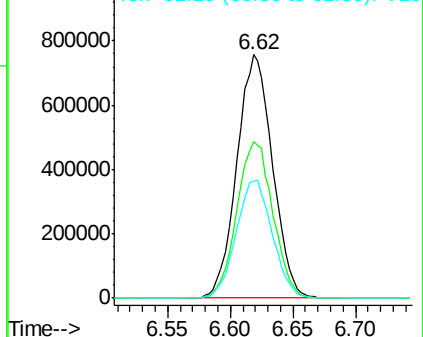
97 100

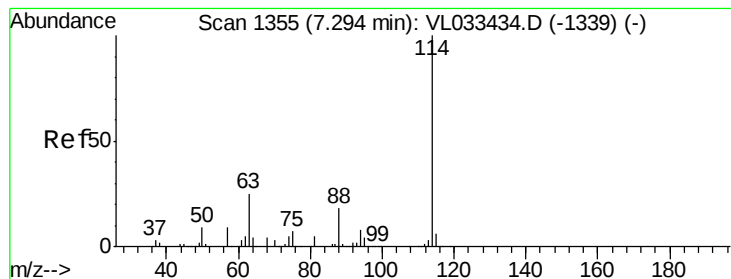
99 65.1 51.5 77.3

61 49.2 38.8 58.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

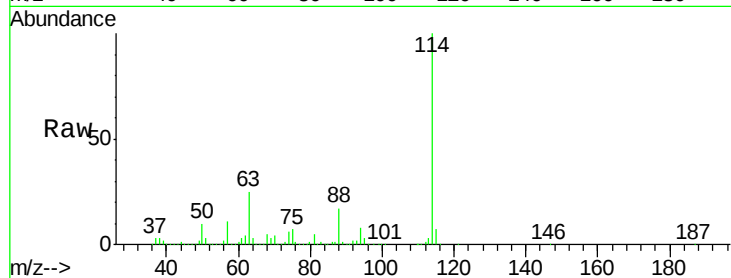
Tot Ion:114 Resp: 2135451

Ion Ratio Lower Upper

114 100

63 26.0 21.5 32.3

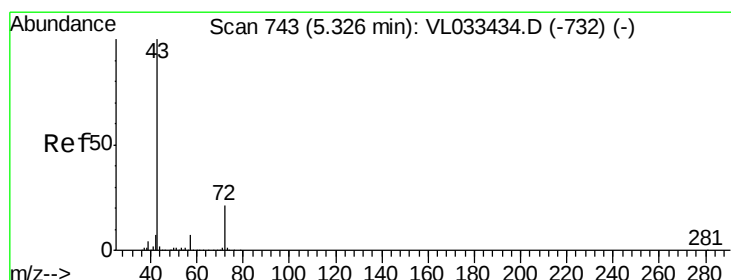
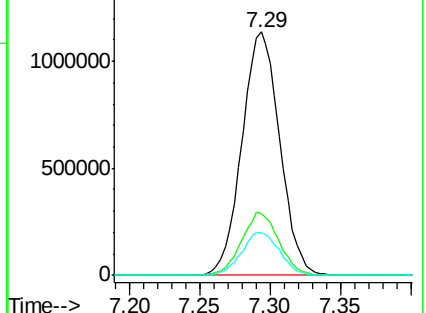
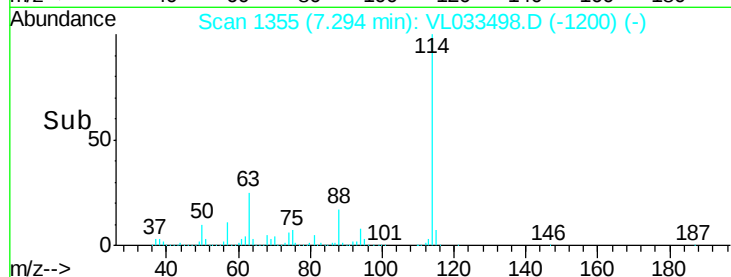
88 17.8 14.5 21.7



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: 10.31 ppbv

RT: 5.33 min Scan# 743

Delta R.T. -0.00 min

Lab File: VL033498.D

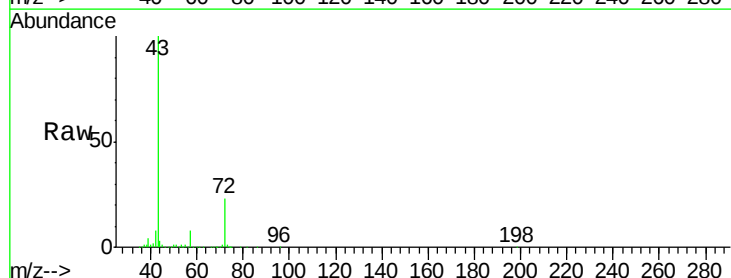
Acq: 29 Mar 2019 12:08

Tgt Ion: 43 Resp: 1322959

Ion Ratio Lower Upper

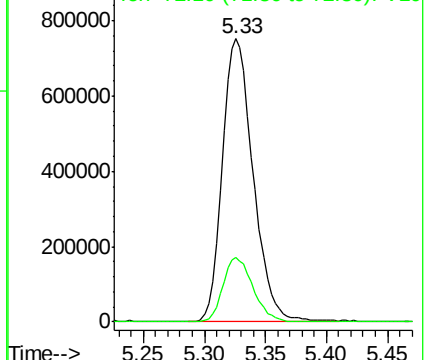
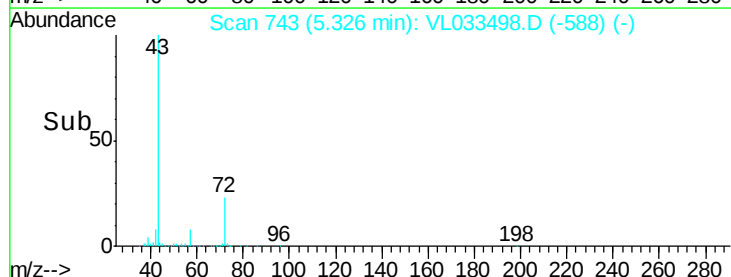
43 100

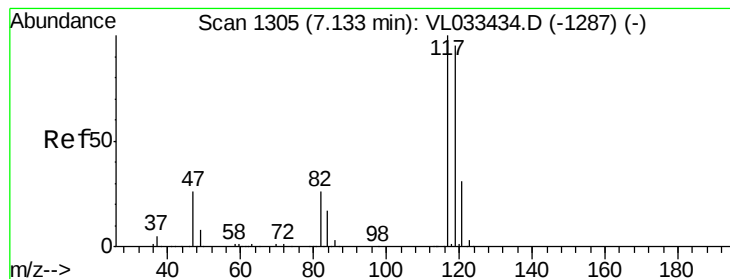
72 22.5 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.60 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

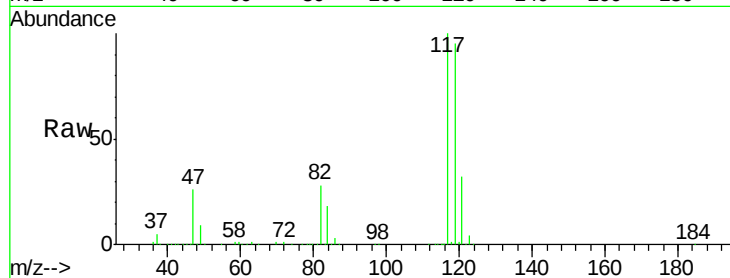
Tot Ion:117 Resp: 1603794

Ion Ratio Lower Upper

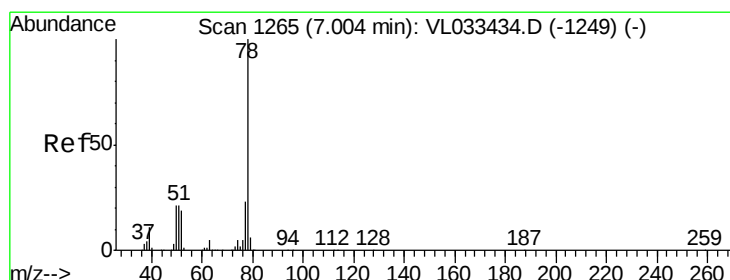
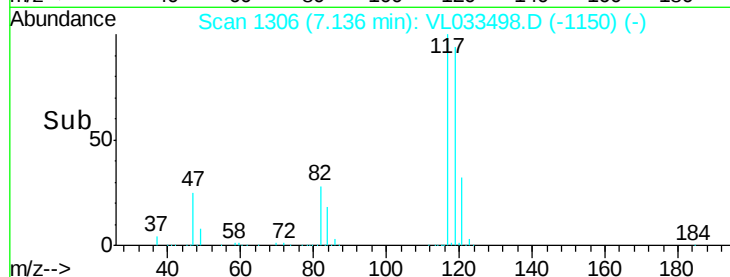
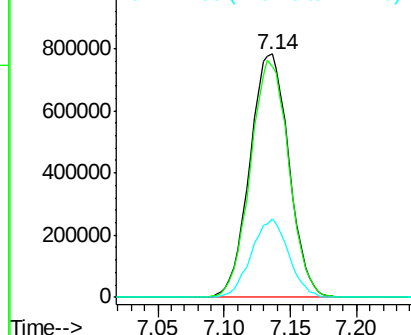
117 100

119 94.8 75.8 113.8

121 32.2 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: 10.81 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

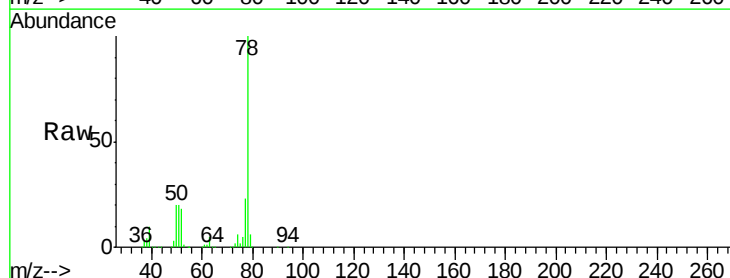
Tgt Ion: 78 Resp: 1936277

Ion Ratio Lower Upper

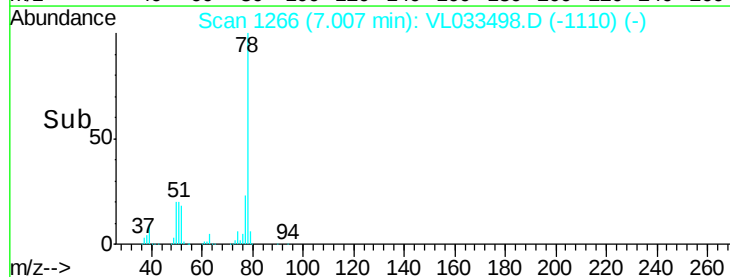
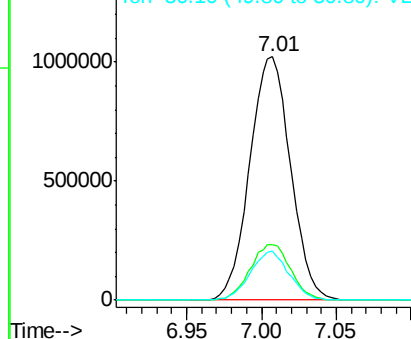
78 100

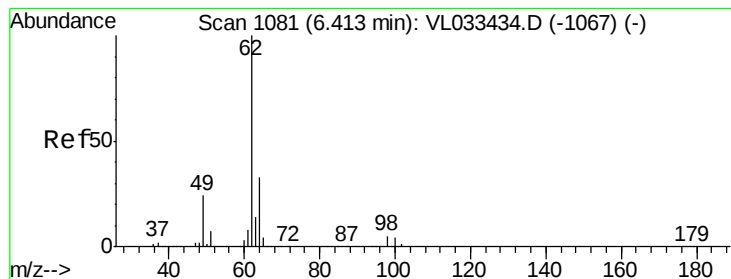
77 22.8 18.1 27.1

50 19.9 16.7 25.1



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: 9.56 ppbv

RT: 6.41 min Scan# 1081

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

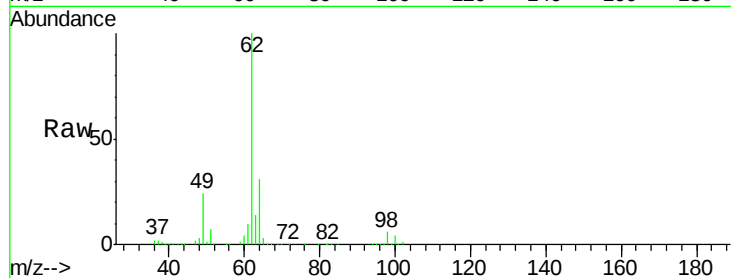
ClientSampleId :

Tot Ion: 62 Resp: 1148226

Ion Ratio Lower Upper

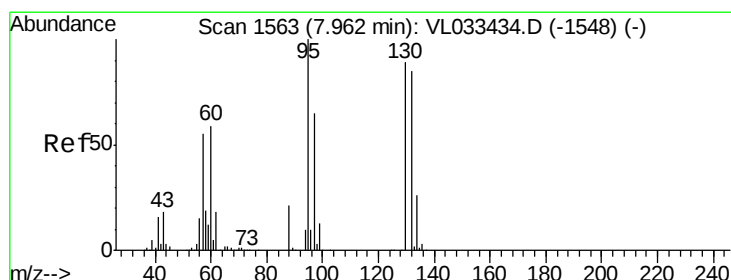
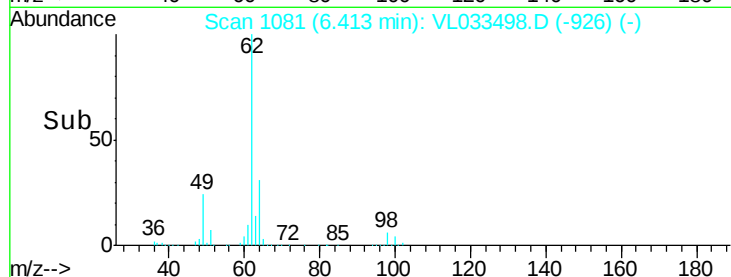
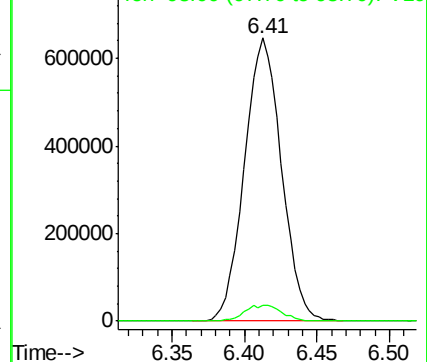
62 100

98 5.8 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 11.41 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Tgt Ion:130 Resp: 769243

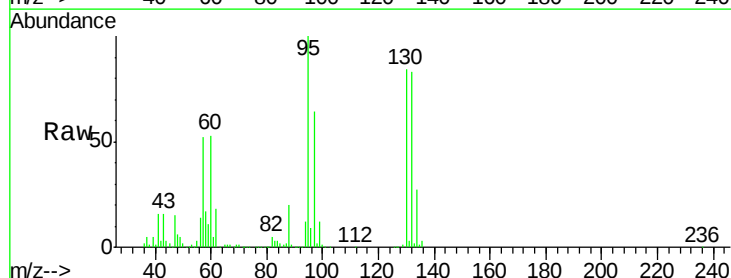
Ion Ratio Lower Upper

130 100

95 118.5 89.8 134.8

132 98.7 76.6 115.0

97 75.4 58.6 88.0

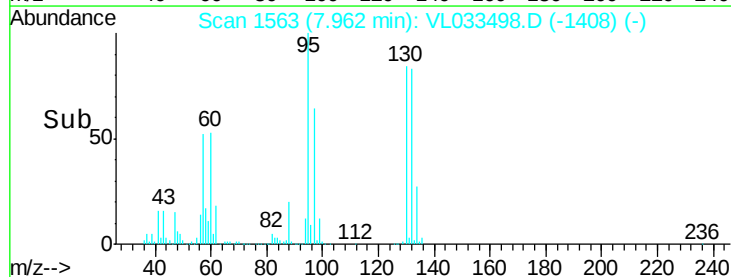
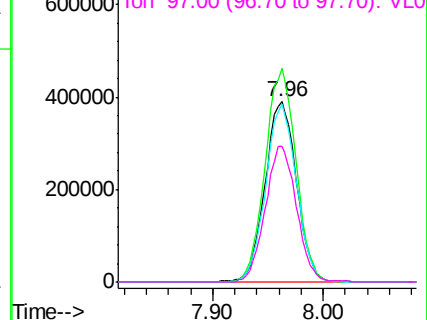


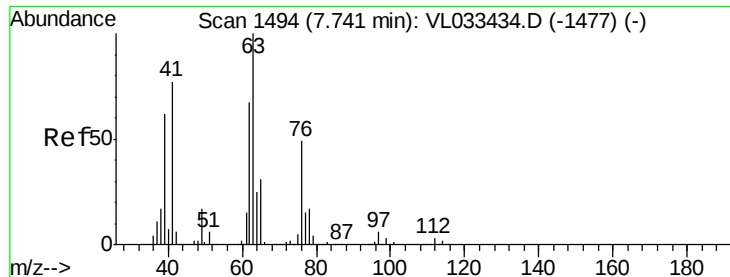
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

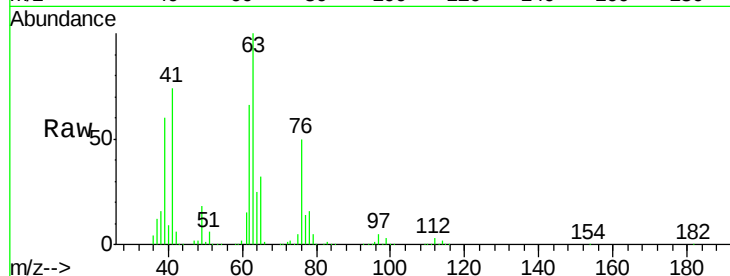




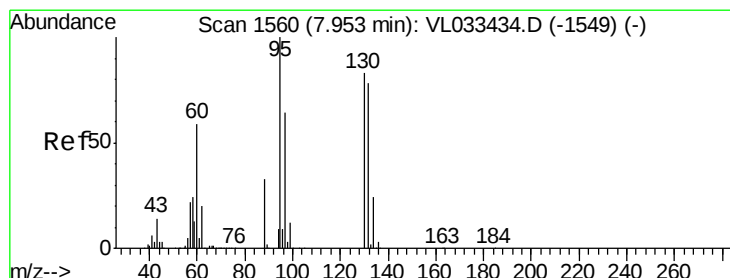
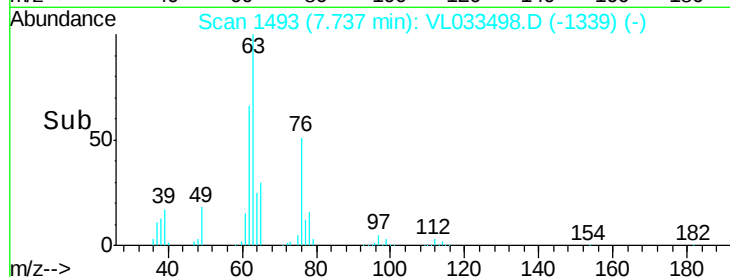
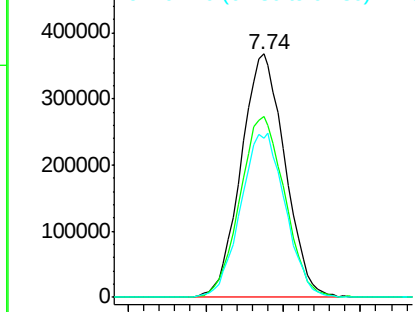
#39
 1,2-Dichloropropane
 Concen: 10.31 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 723332
 Ion Ratio Lower Upper
 63 100
 41 74.3 61.2 91.8
 62 65.5 54.0 81.0

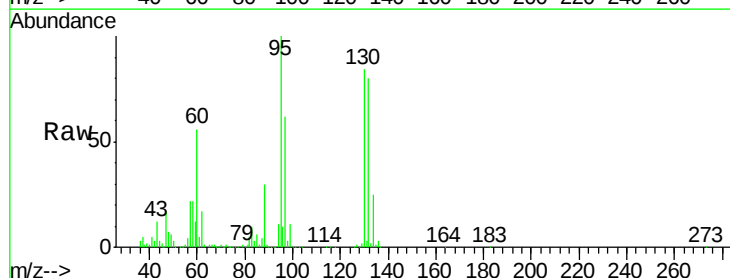


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

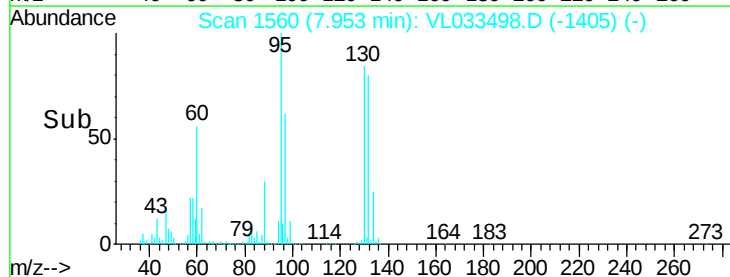
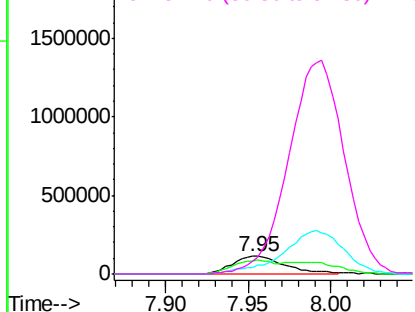


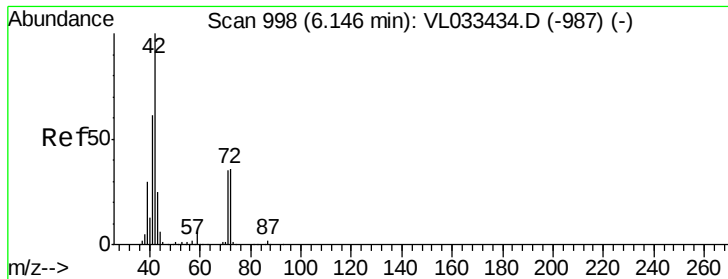
#40
 1,4-Dioxane
 Concen: 9.74 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Tgt Ion: 88 Resp: 243858
 Ion Ratio Lower Upper
 88 100
 58 136.2 105.6 158.4
 43 0.0 216.7 325.1#
 57 0.0 975.0 1462.4#



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: 10.51 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

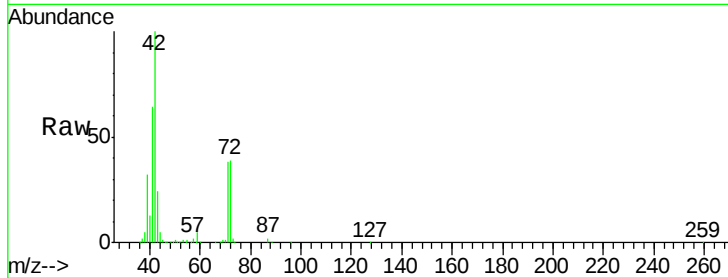
Tot Ion: 42 Resp: 741984

Ion Ratio Lower Upper

42 100

72 39.7 30.2 45.2

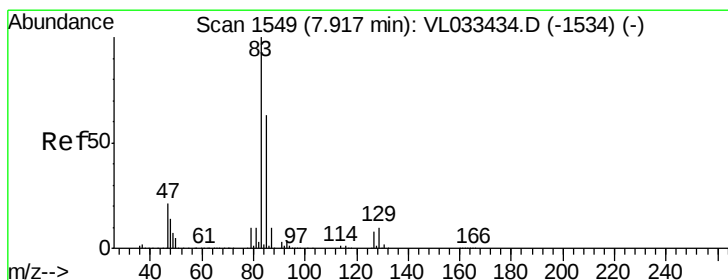
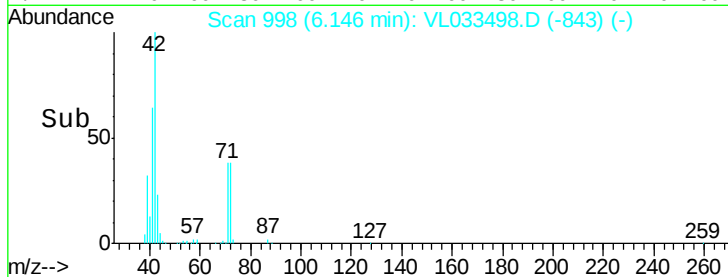
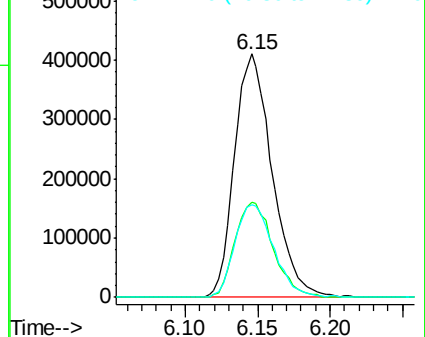
71 39.2 29.4 44.2



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: 10.38 ppbv

RT: 7.92 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

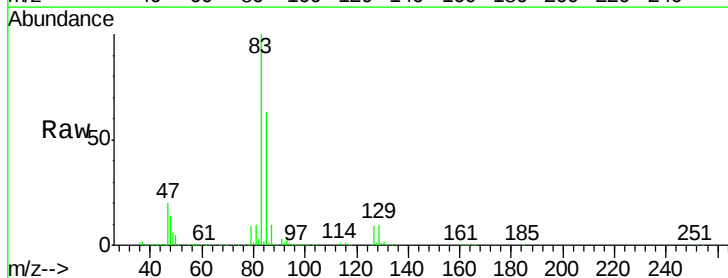
Tgt Ion: 83 Resp: 1697737

Ion Ratio Lower Upper

83 100

85 63.5 50.7 76.1

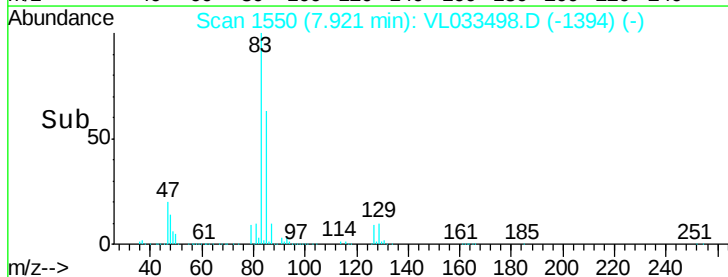
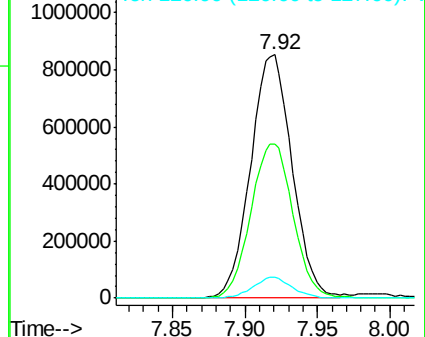
127 8.7 6.6 9.8

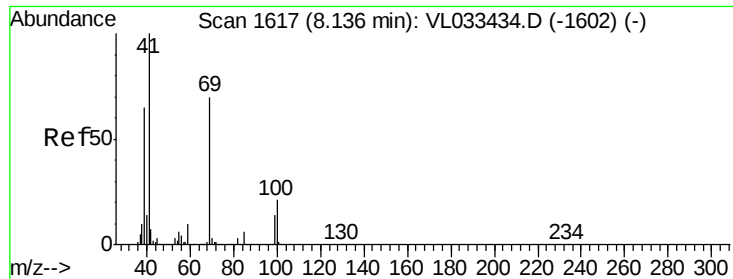


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

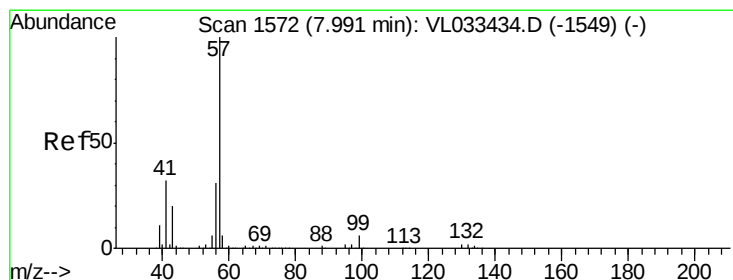
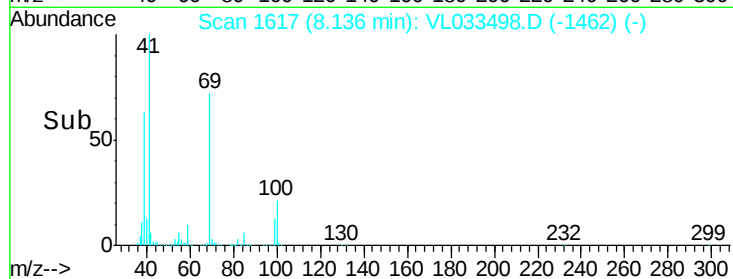
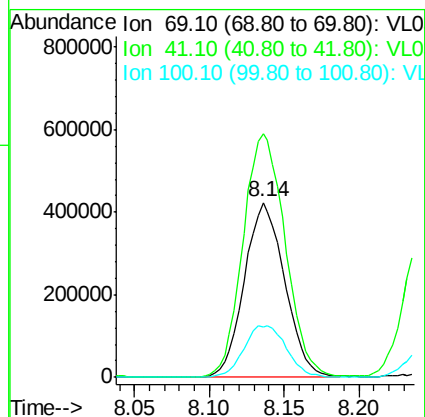
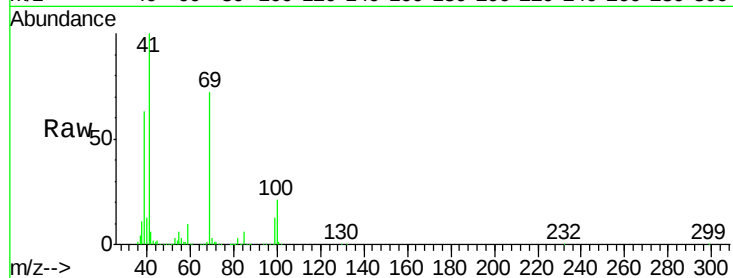




#43
Methyl Methacrylate
Concen: 10.96 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

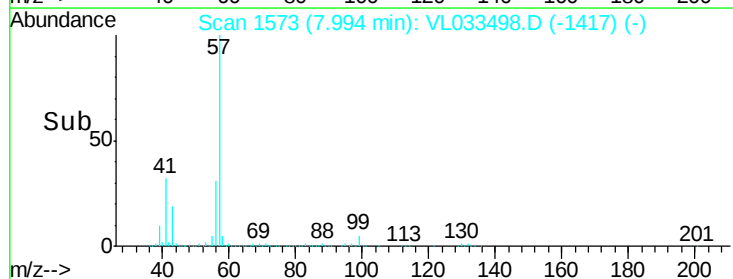
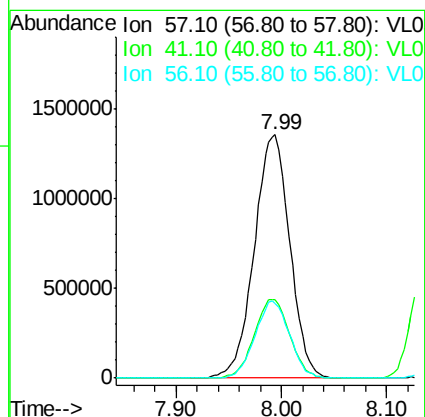
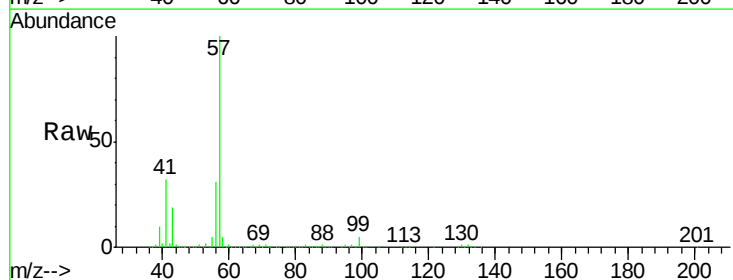
Instrument :
MSVOA_L
ClientSampleId :

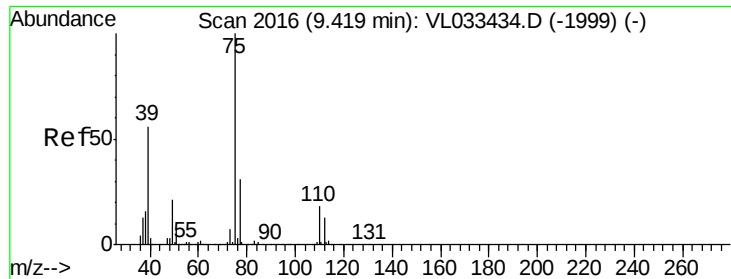
Tot Ion: 69 Resp: 797481
Ion Ratio Lower Upper
69 100
41 144.9 116.6 174.8
100 31.0 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 10.19 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Tgt Ion: 57 Resp: 3192063
Ion Ratio Lower Upper
57 100
41 32.2 26.0 39.0
56 30.9 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 11.93 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

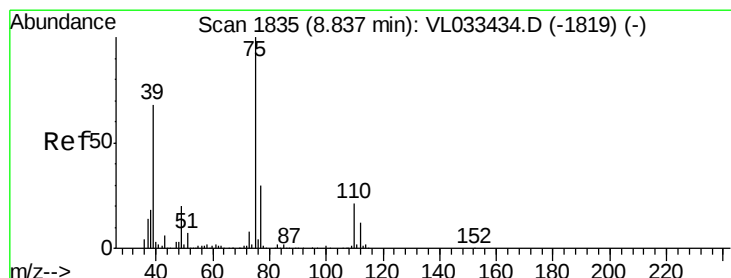
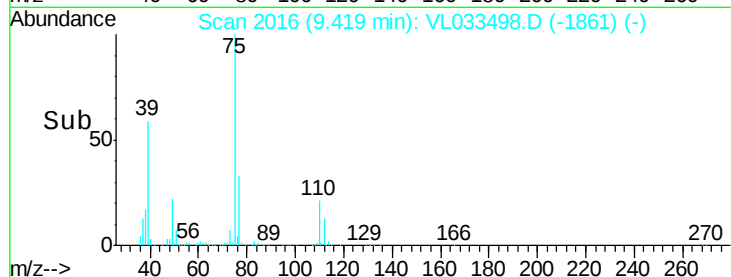
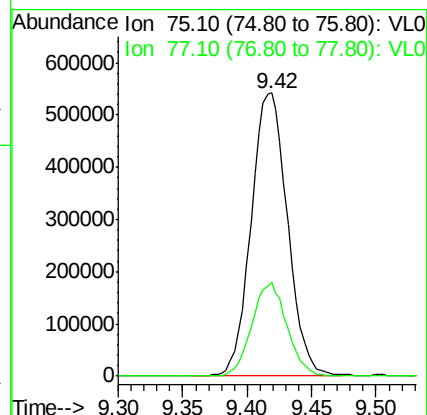
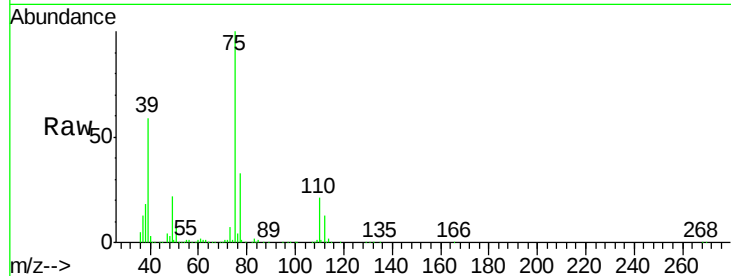
ClientSampleId :

Tot Ion: 75 Resp: 1065376

Ion Ratio Lower Upper

75 100

77 33.1 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 11.75 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

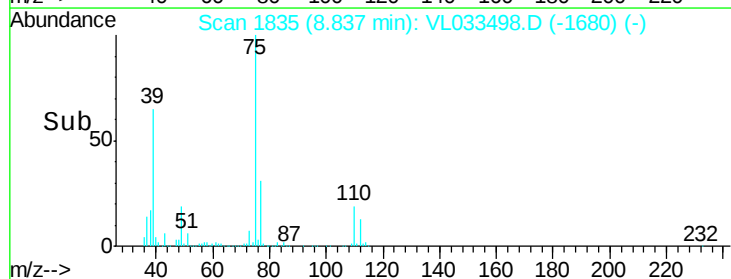
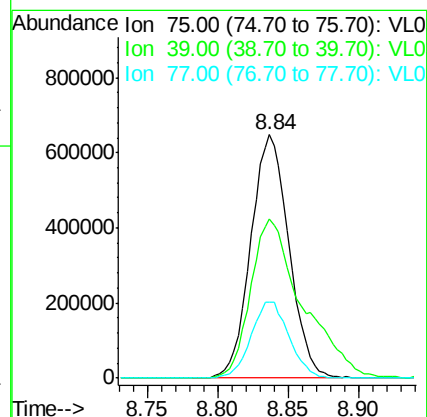
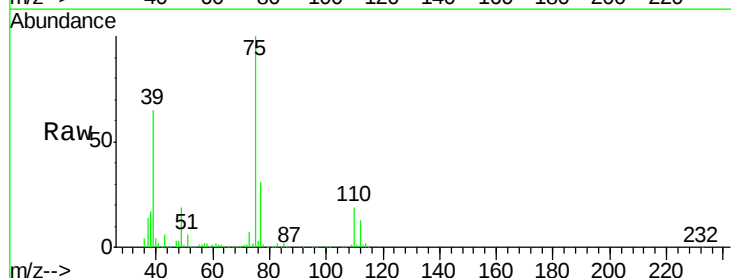
Tgt Ion: 75 Resp: 1225423

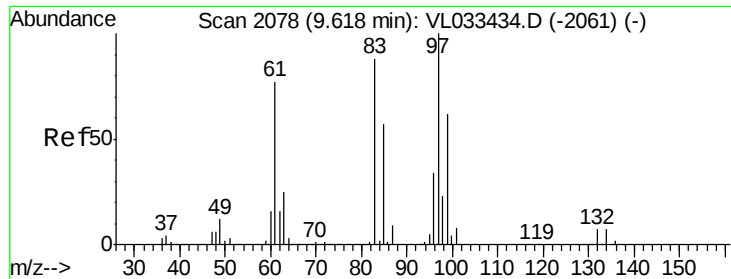
Ion Ratio Lower Upper

75 100

39 65.3 54.1 81.1

77 31.2 23.9 35.9

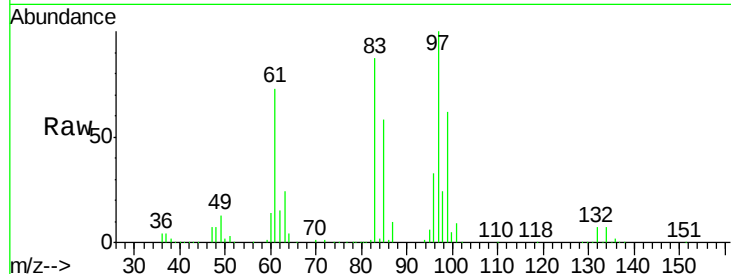




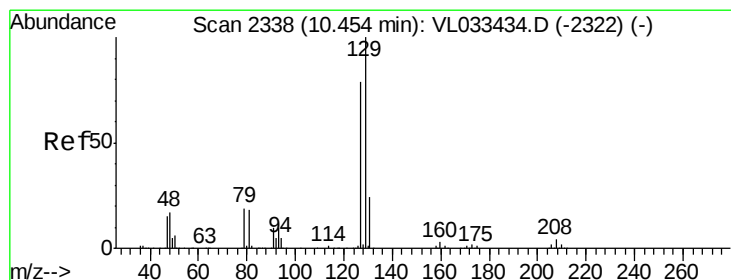
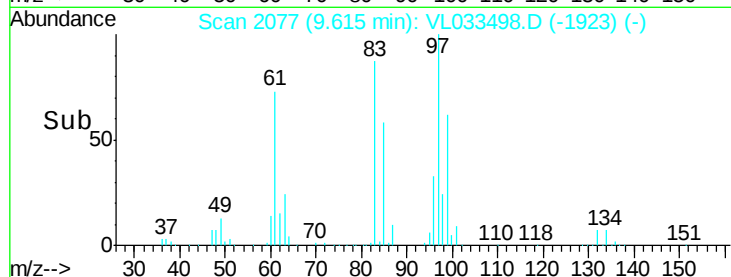
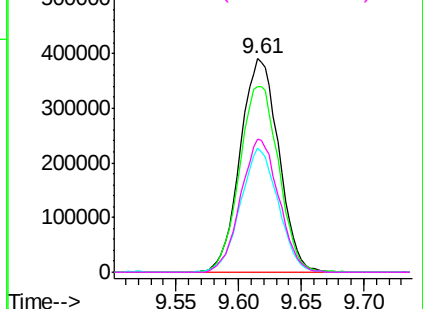
#47
 1,1,2-Trichloroethane
 Concen: 10.46 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 833709
 Ion Ratio Lower Upper
 97 100
 83 87.1 70.5 105.7
 85 57.8 45.6 68.4
 99 62.1 49.4 74.0

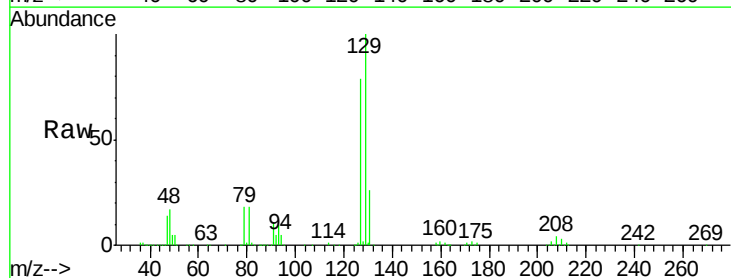


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

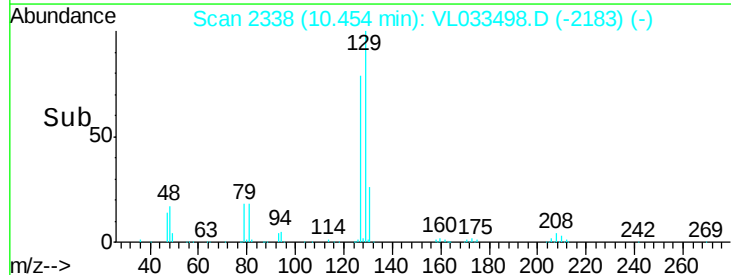
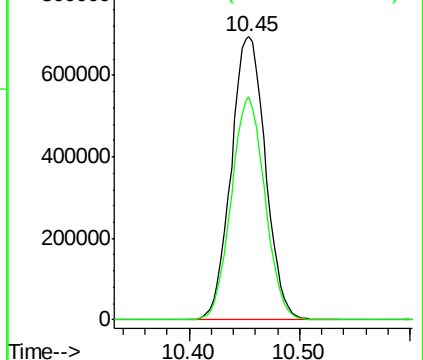


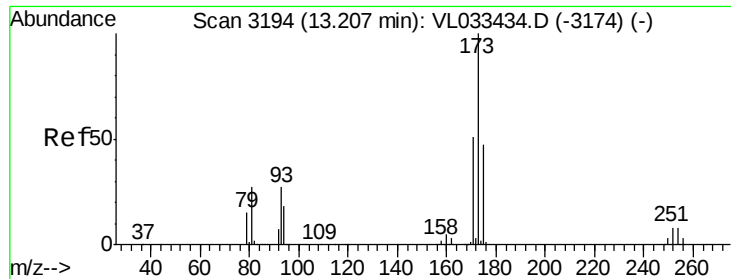
#48
 Dibromochloromethane
 Concen: 11.14 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Tgt Ion: 129 Resp: 1497975
 Ion Ratio Lower Upper
 129 100
 127 77.3 39.1 117.2



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





#49

Bromoform

Concen: 10.63 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

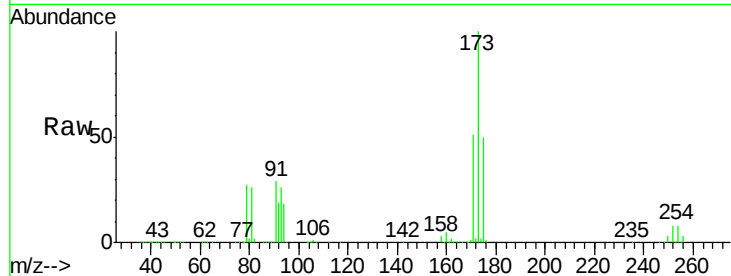
Tot Ion:173 Resp: 1364886

Ion Ratio Lower Upper

173 100

175 48.8 39.3 58.9

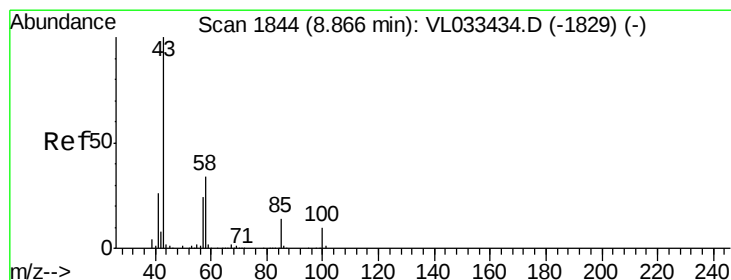
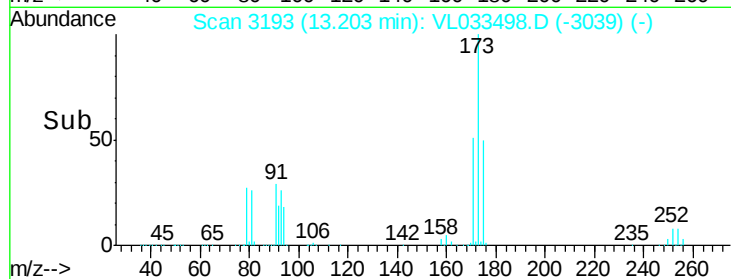
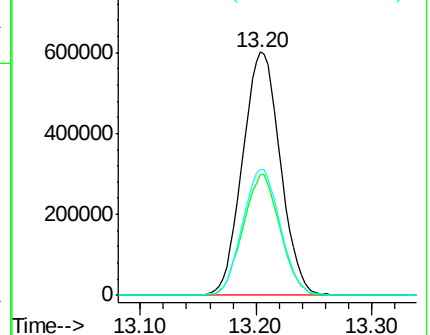
171 51.9 41.2 61.8



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: 10.48 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL033498.D

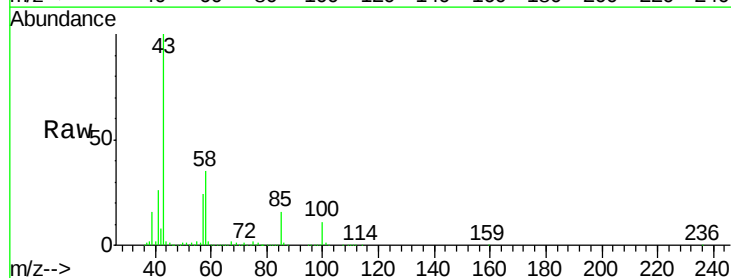
Acq: 29 Mar 2019 12:08

Tgt Ion: 43 Resp: 1968108

Ion Ratio Lower Upper

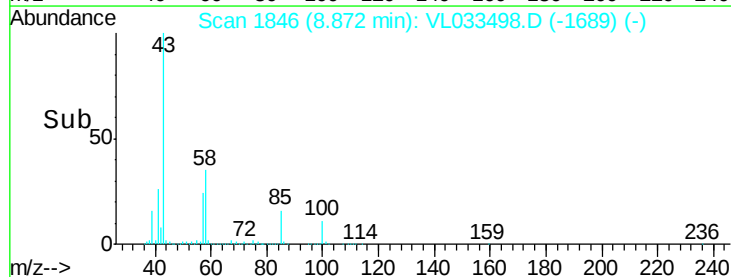
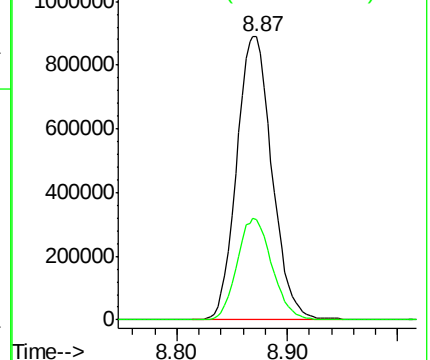
43 100

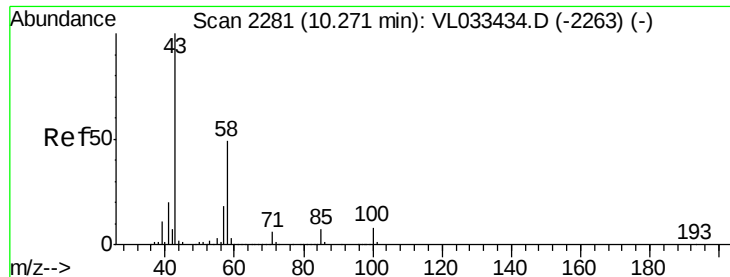
58 35.4 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.13 ppbv

RT: 10.27 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

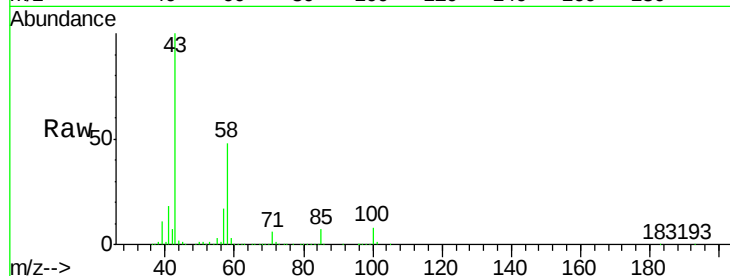
Tot Ion: 43 Resp: 1559231

Ion Ratio Lower Upper

43 100

58 48.3 38.2 57.2

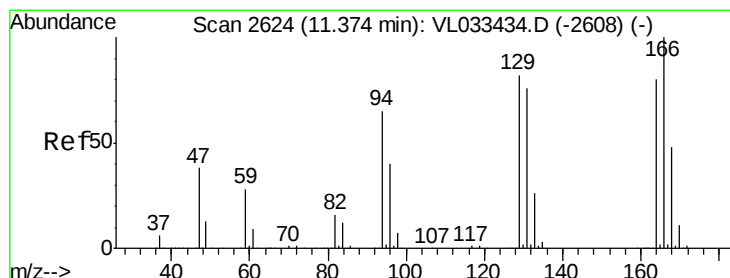
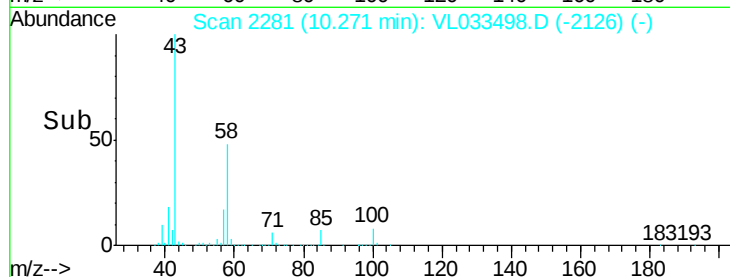
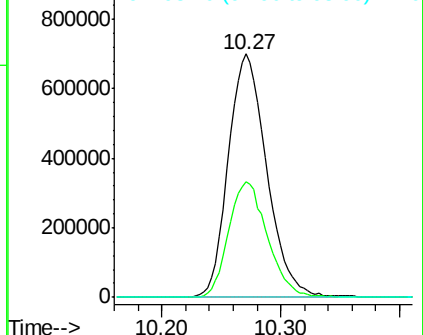
98 0.2 0.2 0.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 11.42 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. 0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Tgt Ion: 164 Resp: 772268

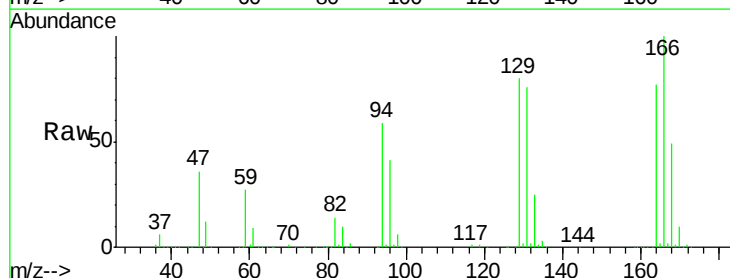
Ion Ratio Lower Upper

164 100

166 129.6 99.5 149.3

129 104.1 81.4 122.2

131 99.3 75.6 113.4

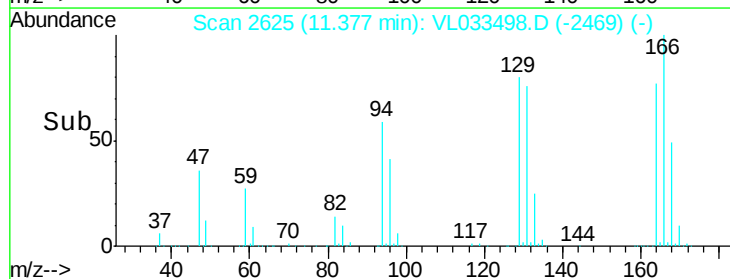
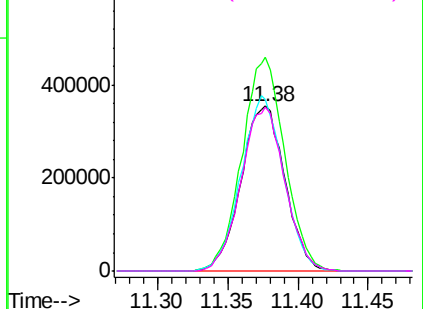


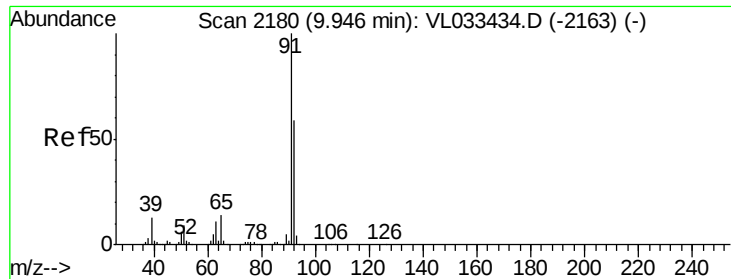
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.26 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

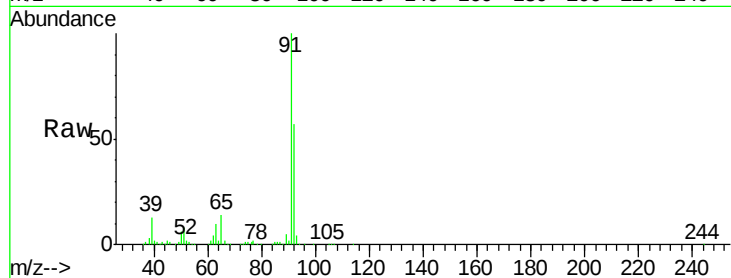
ClientSampleId :

Tot Ion: 91 Resp: 2344759

Ion Ratio Lower Upper

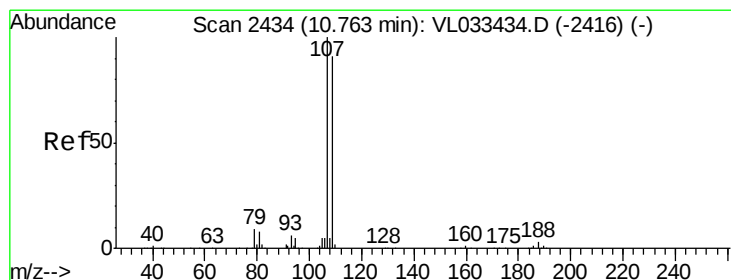
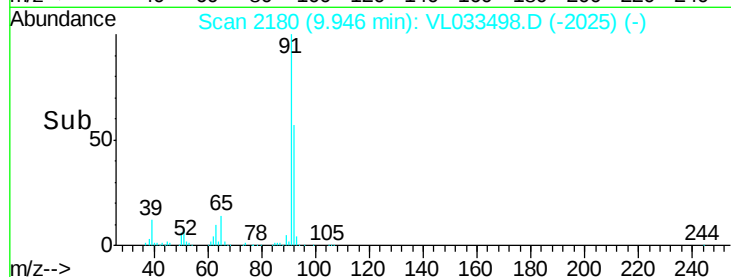
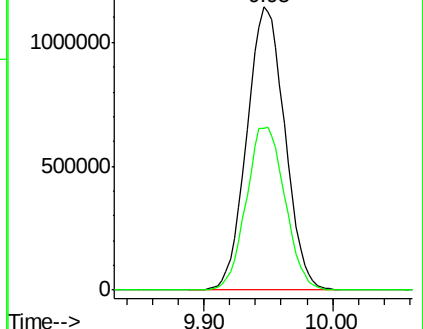
91 100

92 59.0 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.81 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033498.D

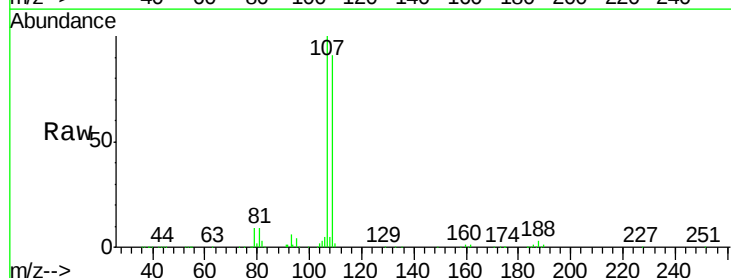
Acq: 29 Mar 2019 12:08

Tgt Ion: 107 Resp: 1348008

Ion Ratio Lower Upper

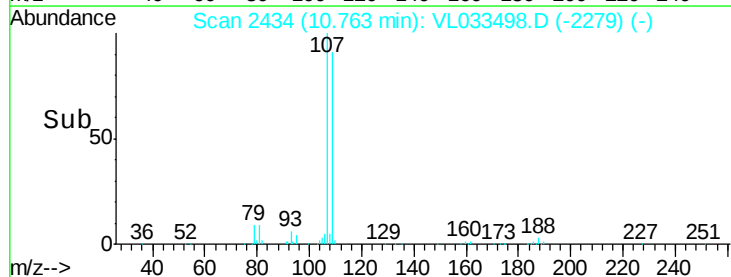
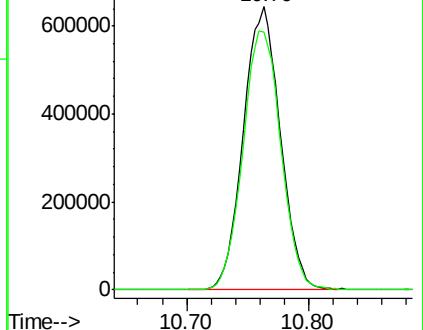
107 100

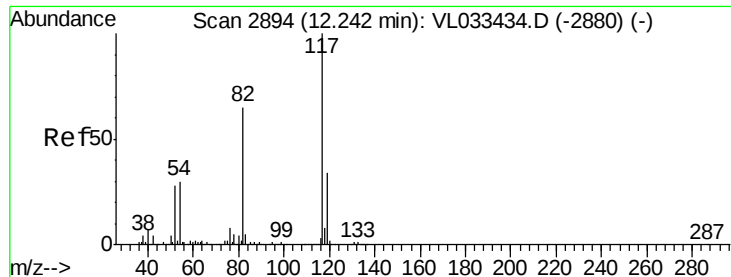
109 91.2 72.7 109.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

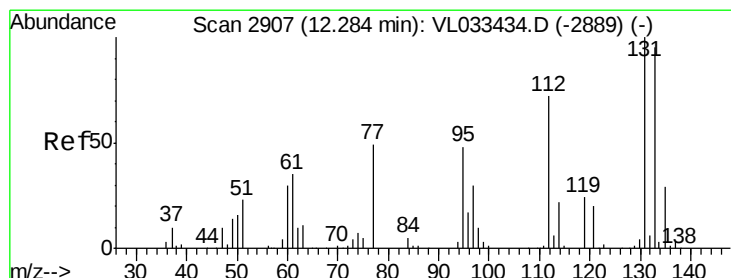
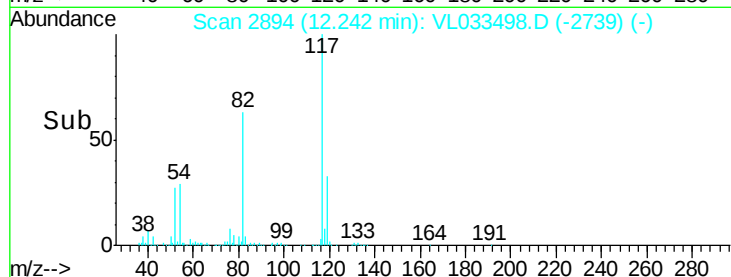
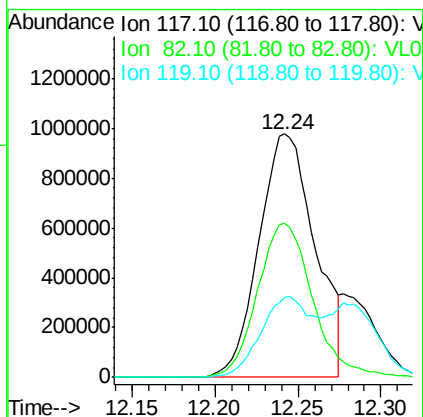
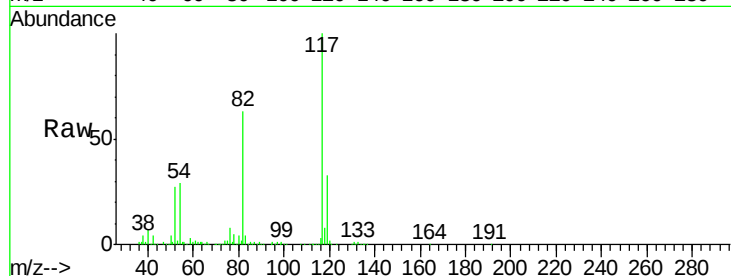




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

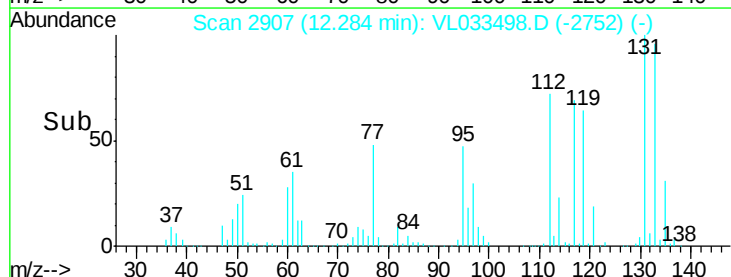
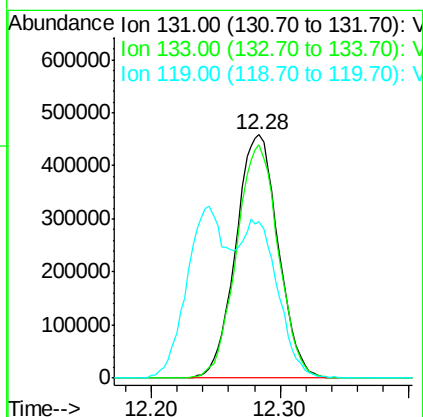
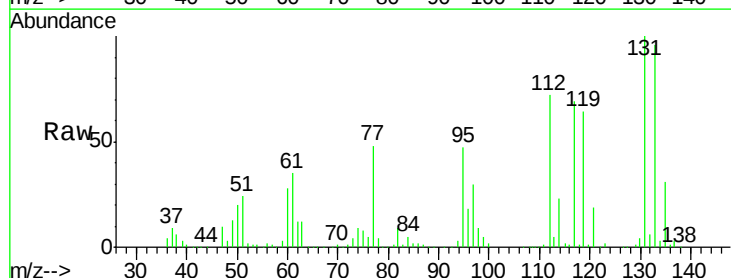
Instrument :
MSVOA_L
ClientSampled :

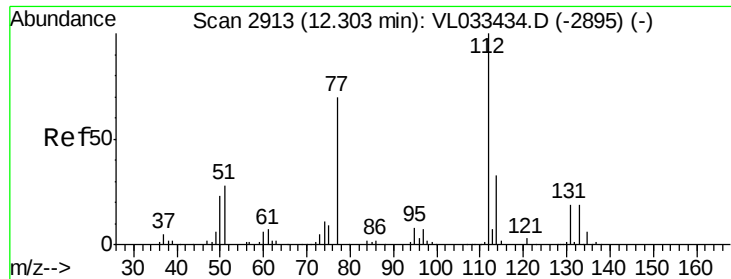
Tot Ion:117 Resp: 2296992
Ion Ratio Lower Upper
117 100
82 62.6 51.5 77.3
119 29.6 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 9.91 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Tgt Ion:131 Resp: 1043015
Ion Ratio Lower Upper
131 100
133 95.1 76.2 114.4
119 57.6 45.0 67.6

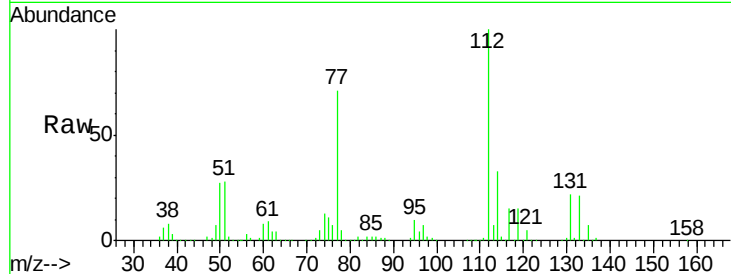




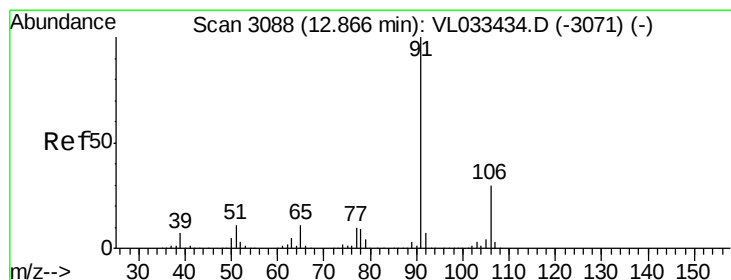
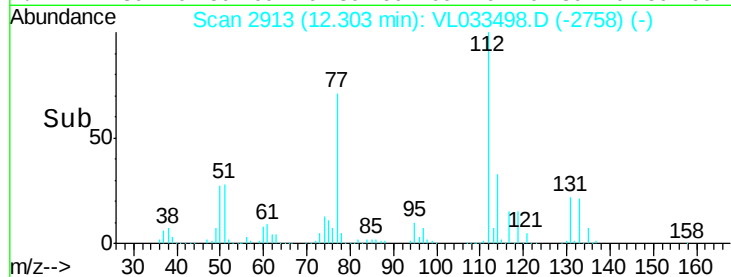
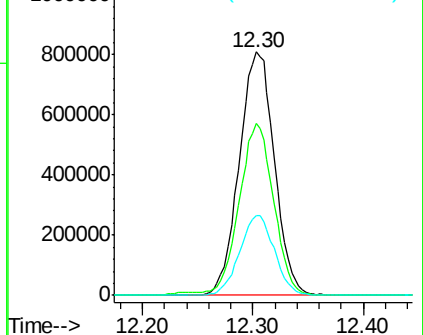
#57
Chlorobenzene
Concen: 10.01 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 1784506
Ion Ratio Lower Upper
112 100
77 70.4 57.3 85.9
114 32.8 29.8 36.4

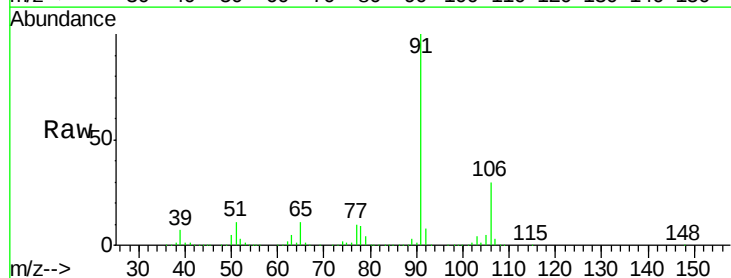


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

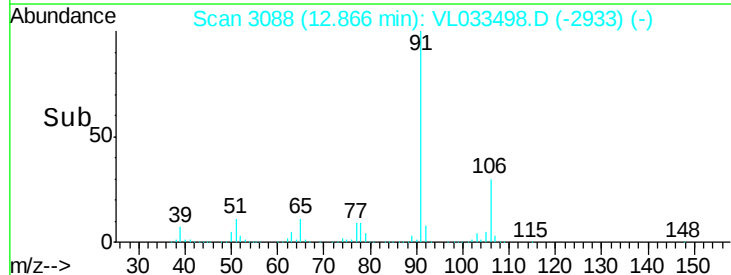
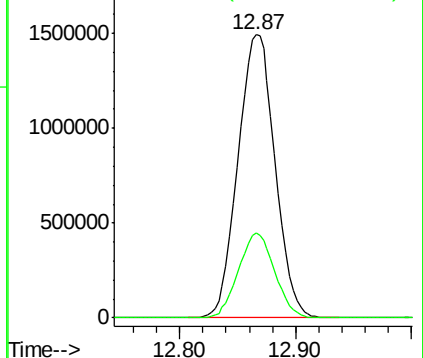


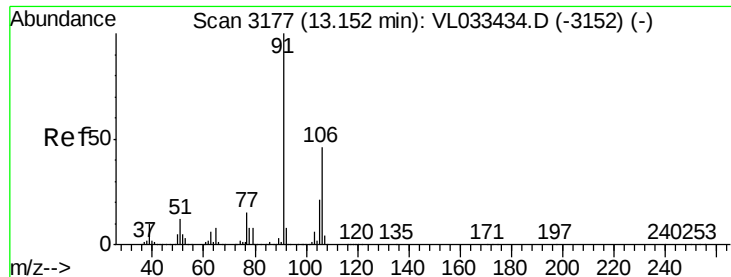
#58
Ethyl Benzene
Concen: 10.78 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Tgt Ion: 91 Resp: 3307656
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6



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

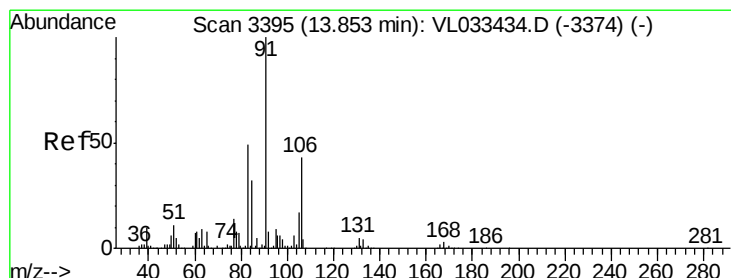
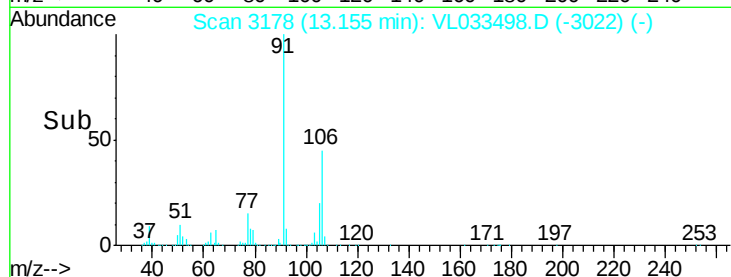
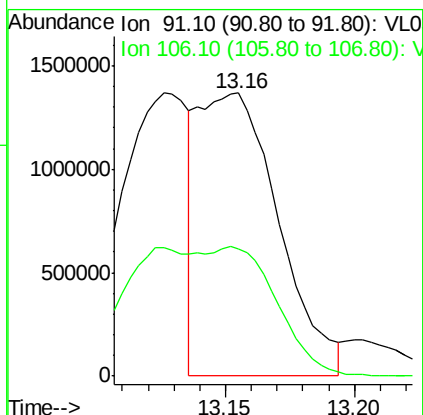
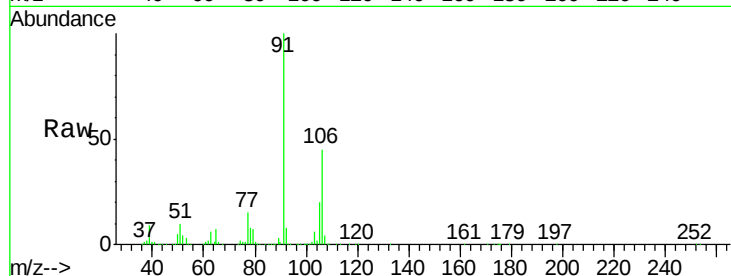




#59
m/p-Xylene
Concen: 10.73 ppbv
RT: 13.16 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

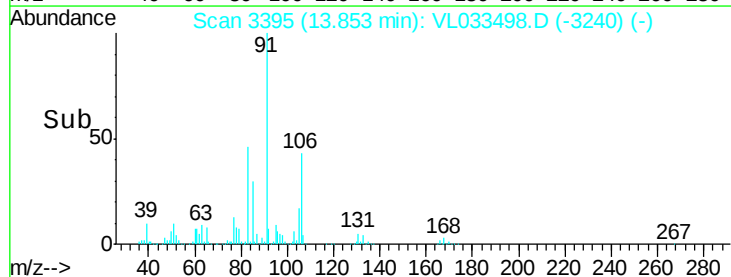
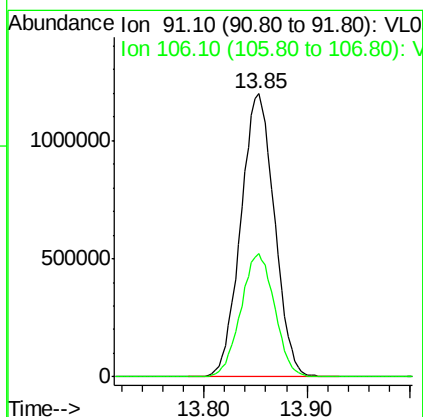
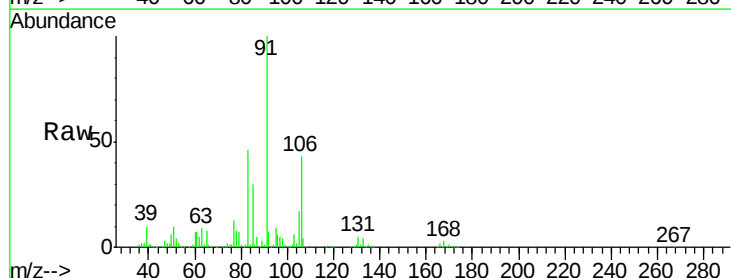
Instrument :
MSVOA_L
ClientSampled :

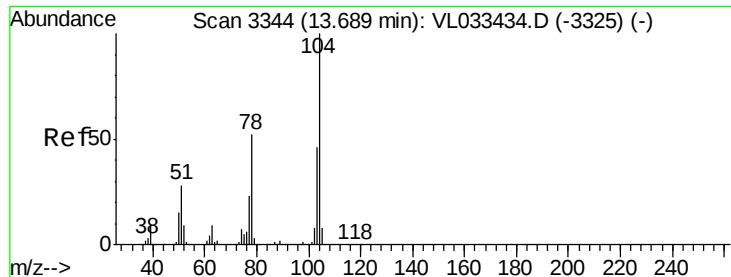
Tot Ion: 91 Resp: 2939713
Ion Ratio Lower Upper
91 100
106 84.7 0.0 0.0#



#60
o-Xylene
Concen: 10.24 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033498.D
Acq: 29 Mar 2019 12:08

Tgt Ion: 91 Resp: 2713272
Ion Ratio Lower Upper
91 100
106 43.7 21.4 64.3





#61

Stvrene

Concen: 11.30 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

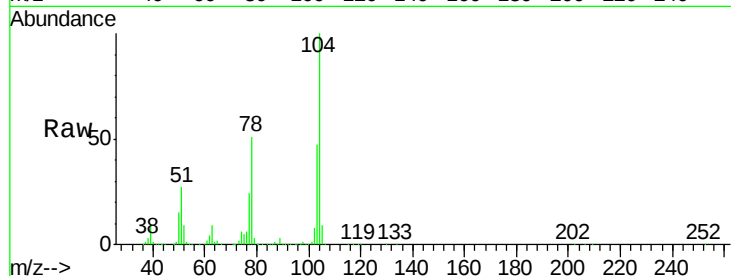
Tot Ion:104 Resp: 2054346

Ion Ratio Lower Upper

104 100

78 52.5 43.2 64.8

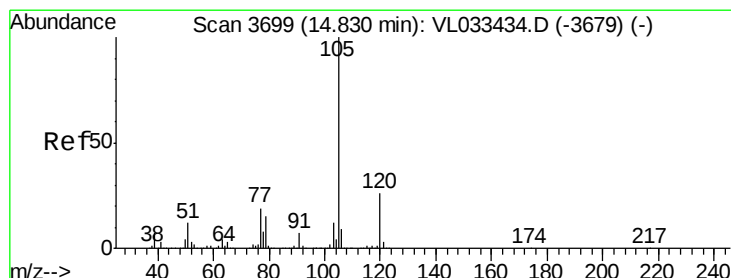
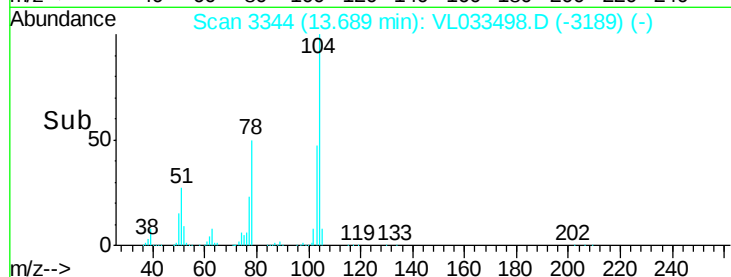
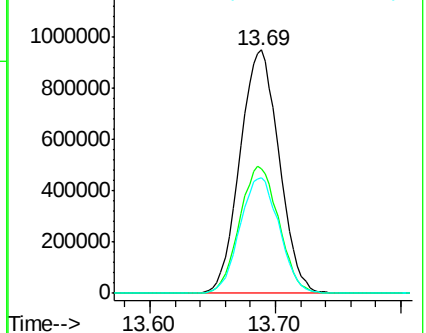
103 48.0 37.8 56.8



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: 10.24 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL033498.D

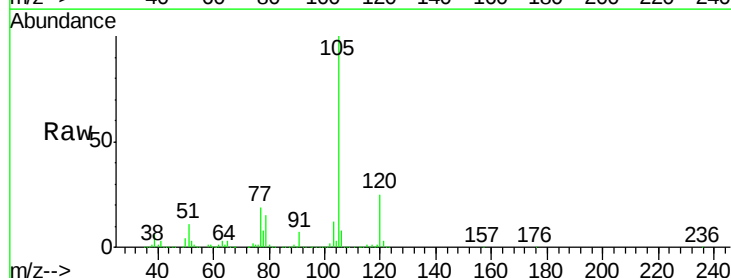
Acq: 29 Mar 2019 12:08

Tgt Ion:105 Resp: 3840318

Ion Ratio Lower Upper

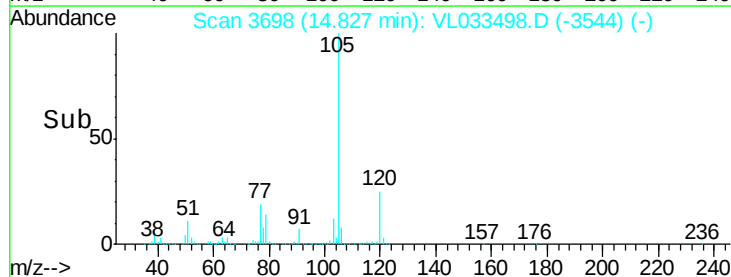
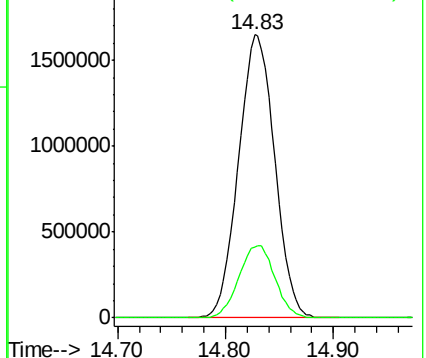
105 100

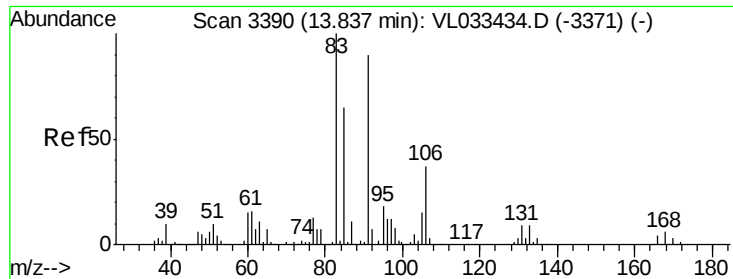
120 25.5 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

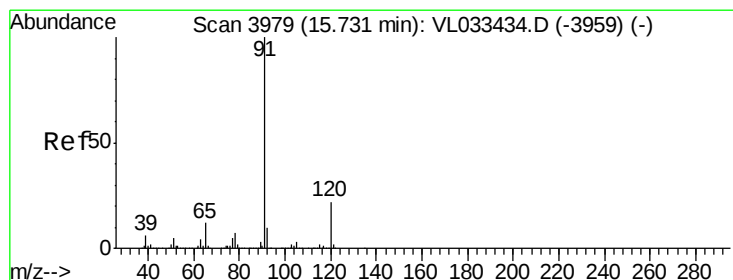
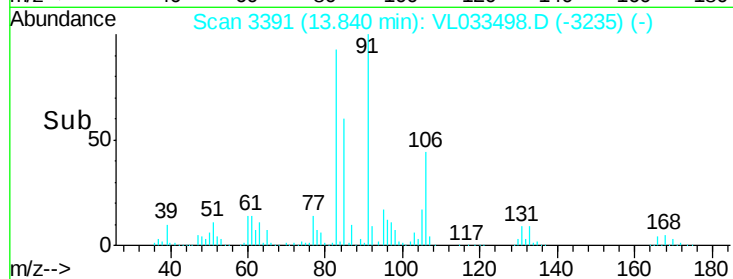
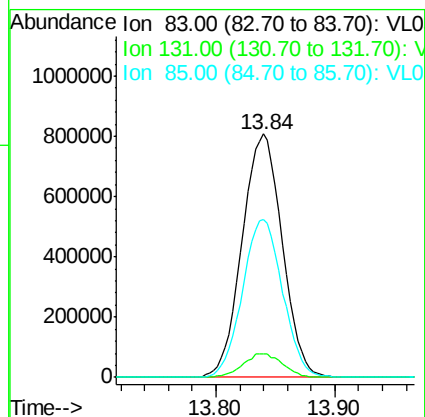
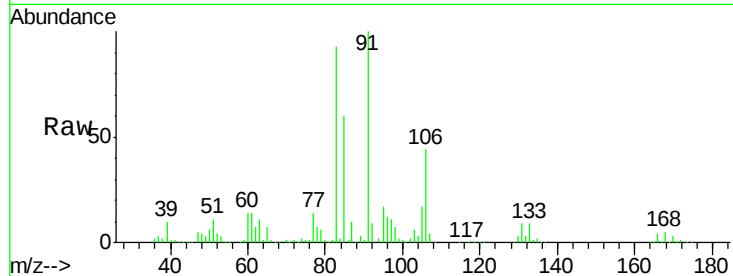




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.66 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

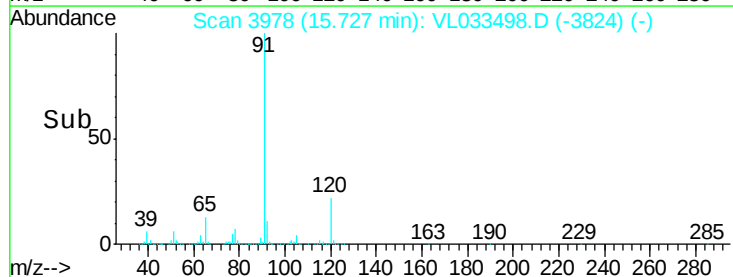
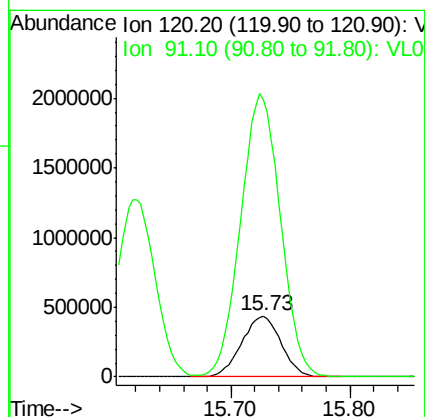
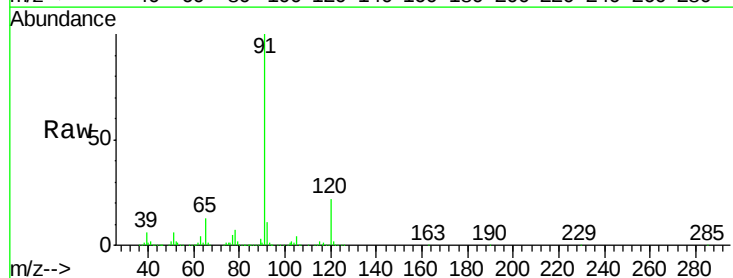
Instrument :
 MSVOA_L
 ClientSampleId :

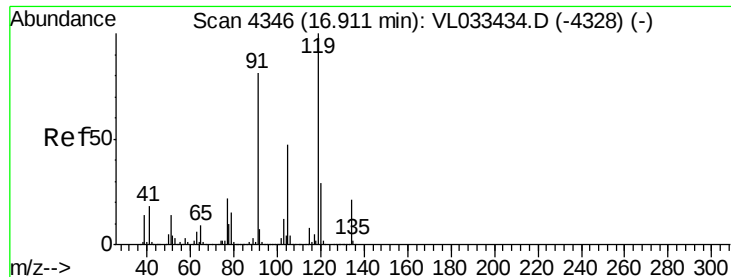
Tot Ion: 83 Resp: 1884142
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.7 14.0
 85 64.8 32.7 98.1



#64
 n-propylbenzene
 Concen: 10.46 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Tgt Ion:120 Resp: 995628
 Ion Ratio Lower Upper
 120 100
 91 472.9 387.4 581.2

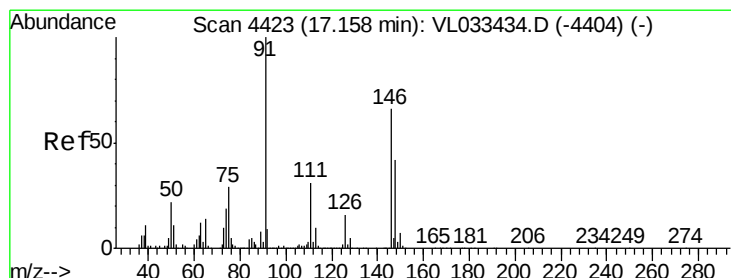
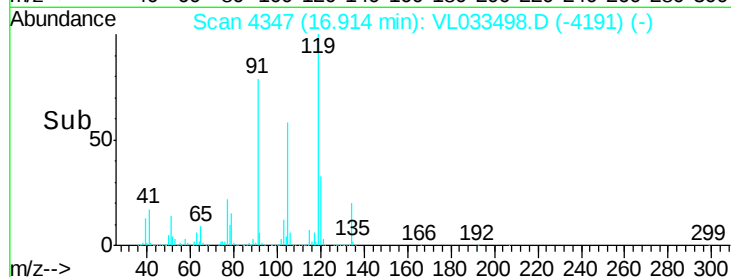
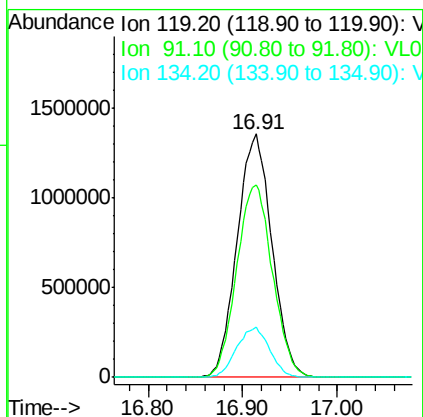
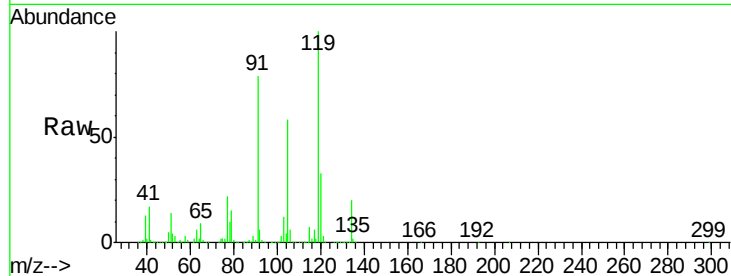




#65
 tert-Butylbenzene
 Concen: 10.47 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

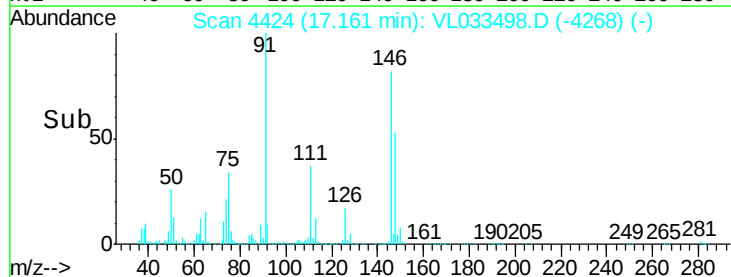
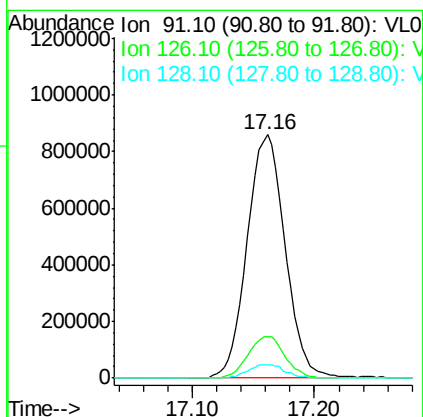
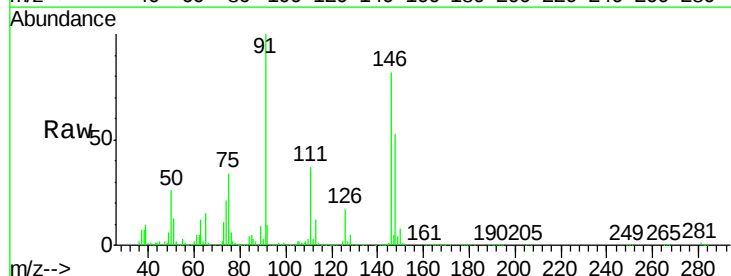
Instrument :
 MSVOA_L
 ClientSampleId :

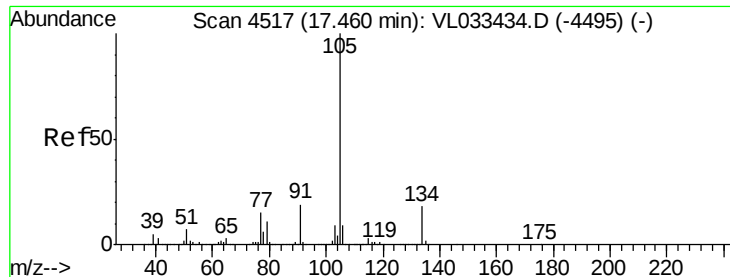
Tot Ion:119 Resp: 3461729
 Ion Ratio Lower Upper
 119 100
 91 81.7 66.4 99.6
 134 19.5 15.5 23.3



#66
 Benzyl Chloride
 Concen: 11.99 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Tgt Ion: 91 Resp: 1843307
 Ion Ratio Lower Upper
 91 100
 126 16.7 13.0 19.6
 128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 10.41 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. 0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

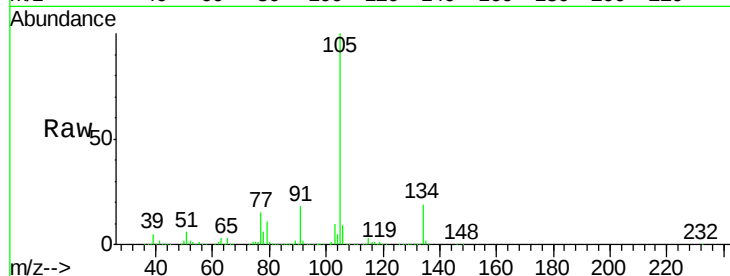
ClientSampleId :

Tot Ion:105 Resp: 4895312

Ion Ratio Lower Upper

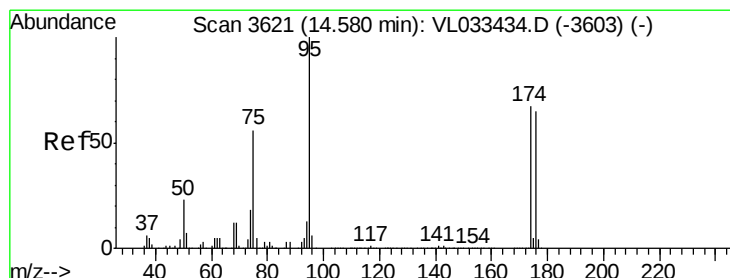
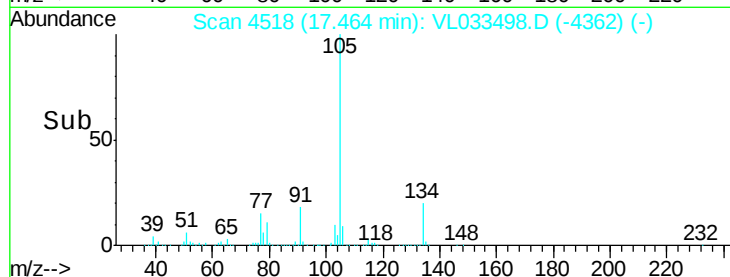
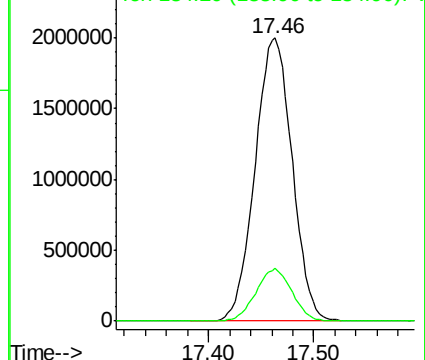
105 100

134 18.1 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.37 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

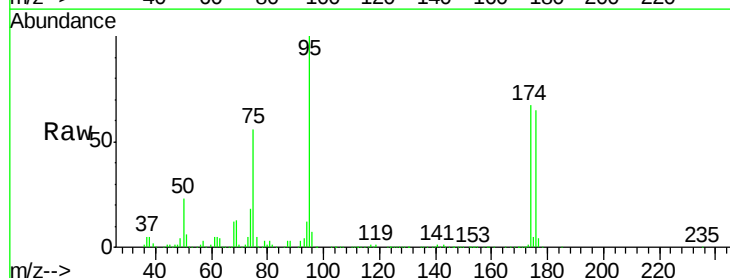
Tgt Ion: 95 Resp: 1686731

Ion Ratio Lower Upper

95 100

174 67.7 52.9 79.3

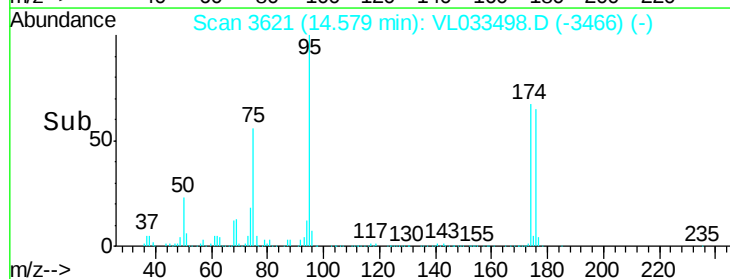
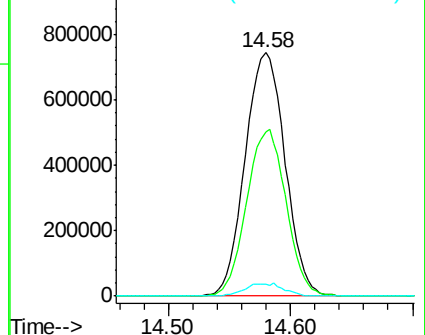
175 5.0 3.8 5.6

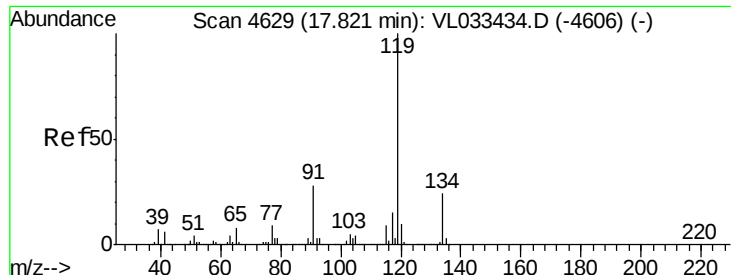


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

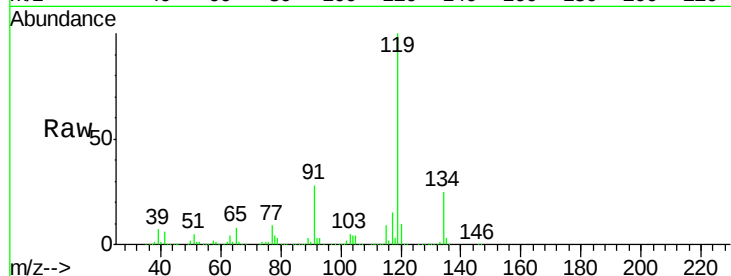




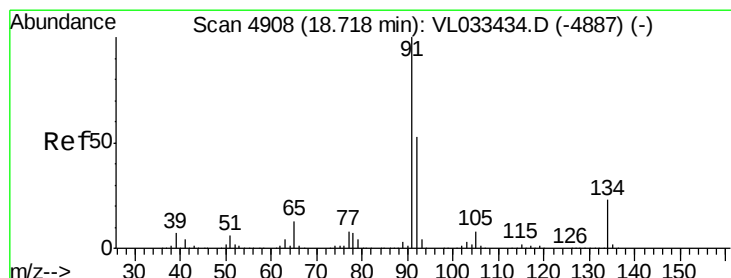
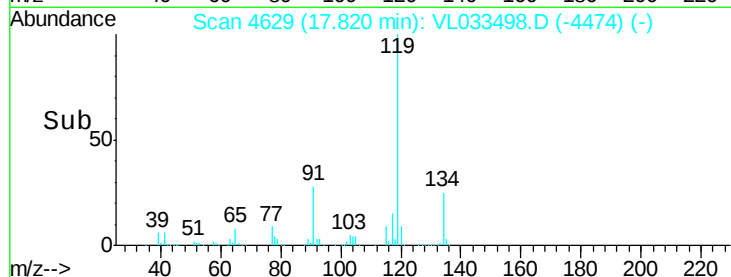
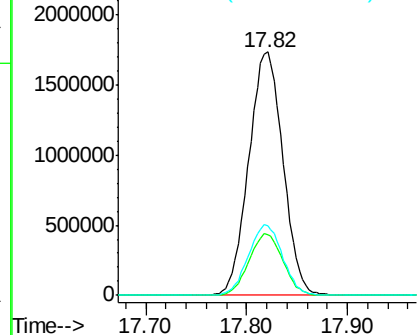
#69
 p-Isopropyltoluene
 Concen: 10.64 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 4071855
 Ion Ratio Lower Upper
 119 100
 134 25.2 19.9 29.9
 91 29.0 23.4 35.0

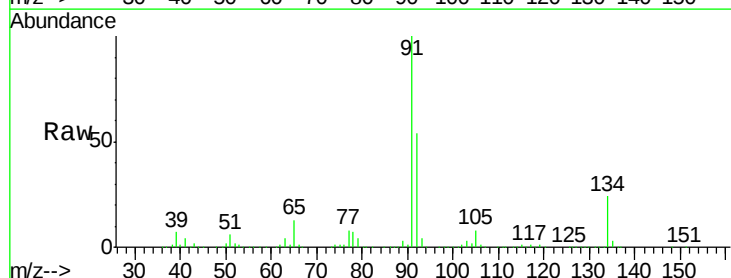


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

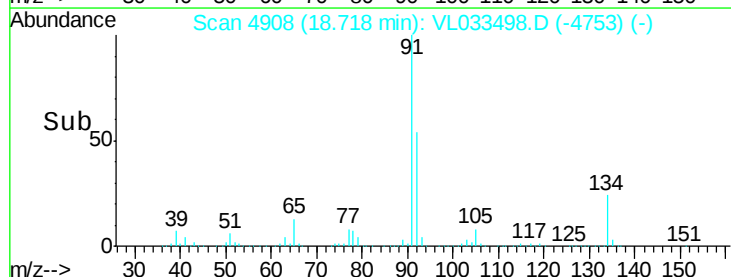
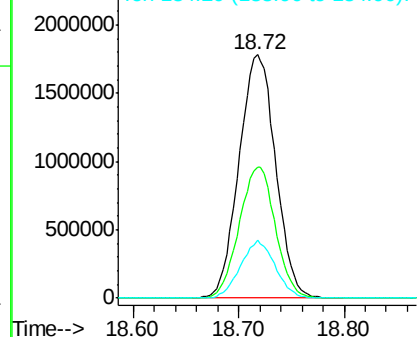


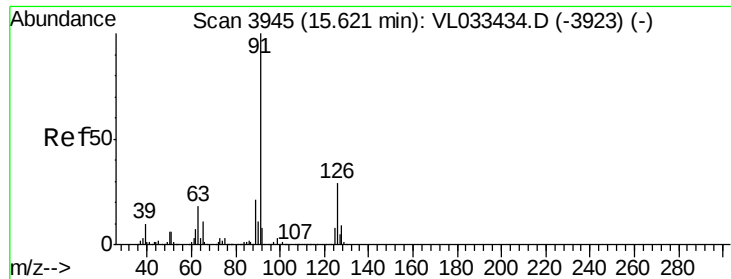
#70
 n-Butylbenzene
 Concen: 10.55 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Tgt Ion: 91 Resp: 4278998
 Ion Ratio Lower Upper
 91 100
 92 53.4 42.6 64.0
 134 22.4 17.5 26.3



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: 10.41 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

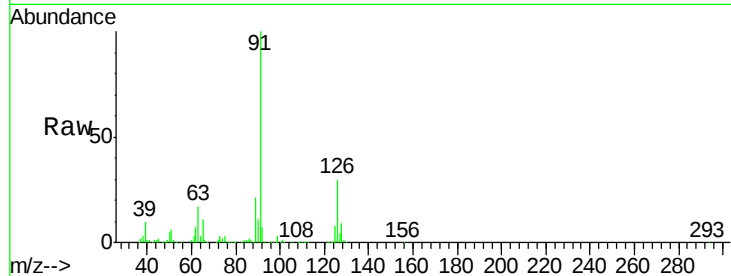
ClientSampleId :

Tot Ion: 91 Resp: 2969058

Ion Ratio Lower Upper

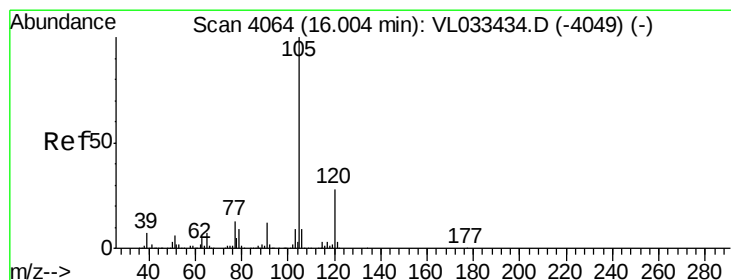
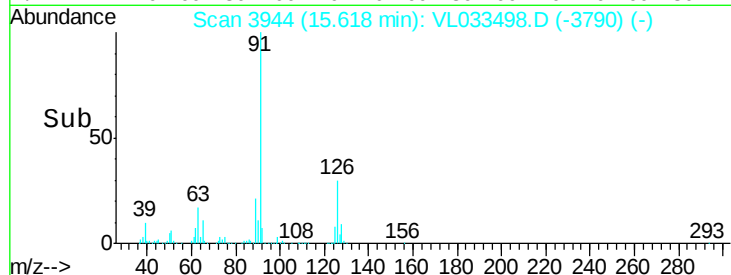
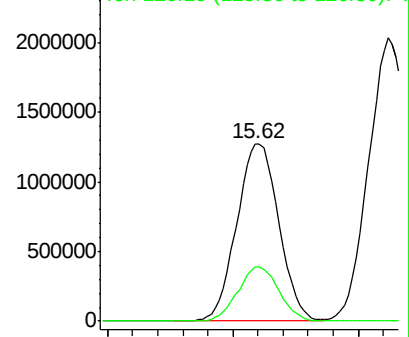
91 100

126 30.0 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: 10.76 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Tgt Ion:105 Resp: 3205007

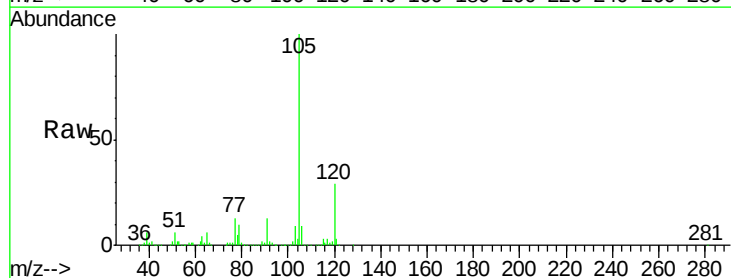
Ion Ratio Lower Upper

105 100

120 28.8 23.2 34.8

91 13.1 10.4 15.6

77 13.5 11.3 16.9

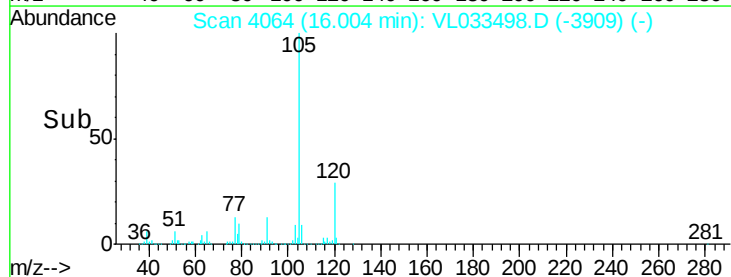
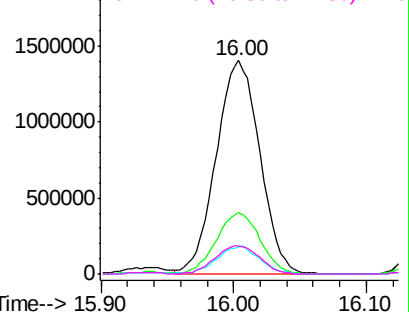


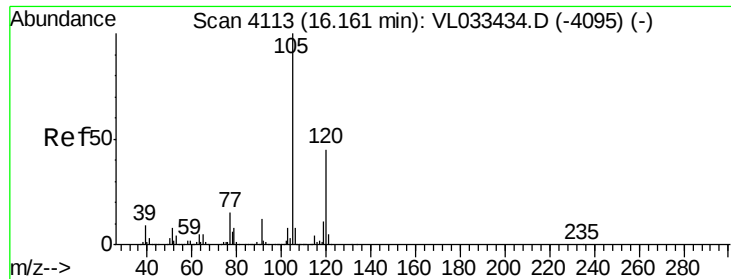
Abundance Ion 105.10 (104.80 to 105.80): V

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

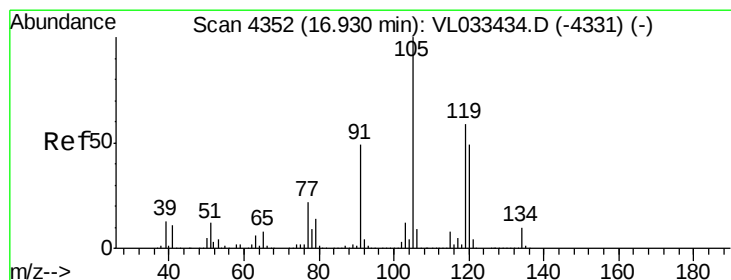
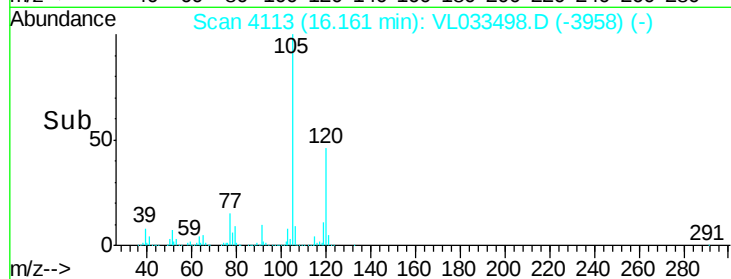
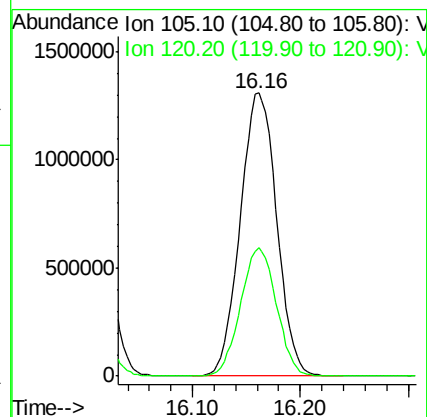
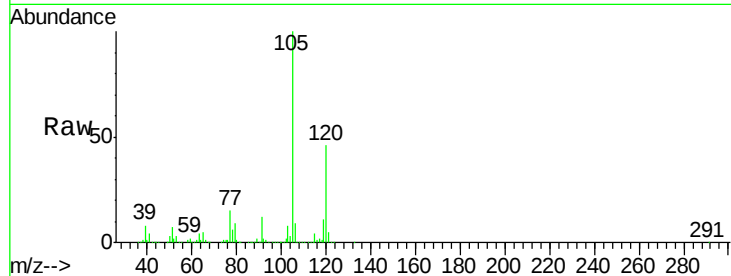




#73
 1,3,5-Trimethylbenzene
 Concen: 10.79 ppbv
 RT: 16.16 min Scan# 4113
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

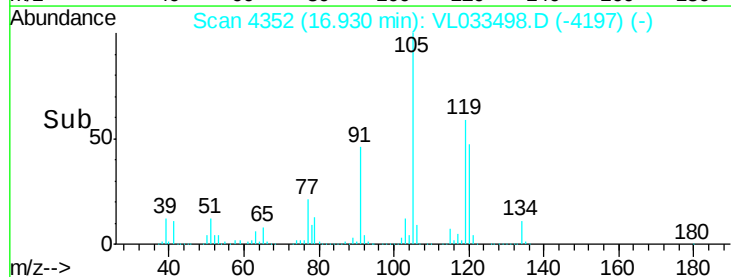
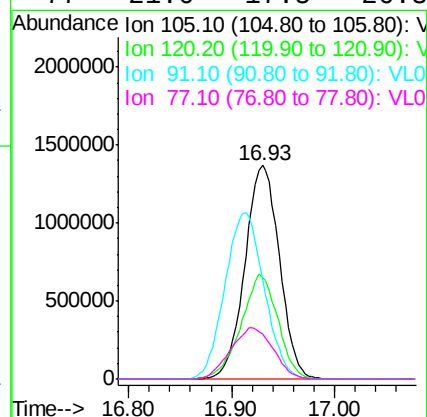
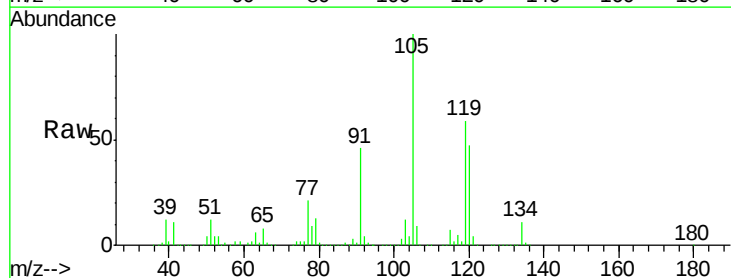
Instrument :
 MSVOA_L
 ClientSampleId :

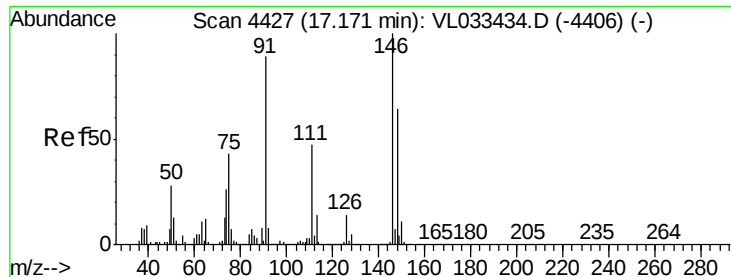
Tot Ion:105 Resp: 3075652
 Ion Ratio Lower Upper
 105 100
 120 45.6 35.7 53.5



#74
 1,2,4-Trimethylbenzene
 Concen: 10.42 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL033498.D
 Acq: 29 Mar 2019 12:08

Tgt Ion:105 Resp: 3182825
 Ion Ratio Lower Upper
 105 100
 120 47.2 39.0 58.6
 91 46.3 40.0 60.0
 77 21.0 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 10.00 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

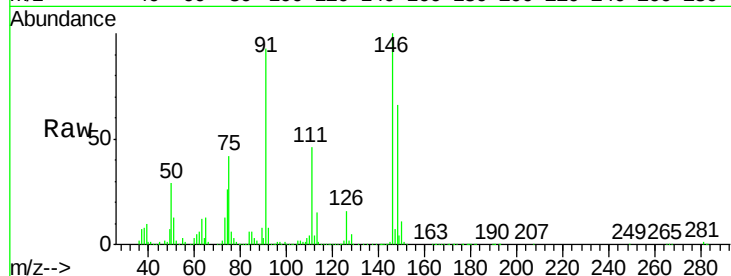
Tot Ion:146 Resp: 1887699

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	65.1	32.0	96.2

146 100

111 45.0 22.9 68.8

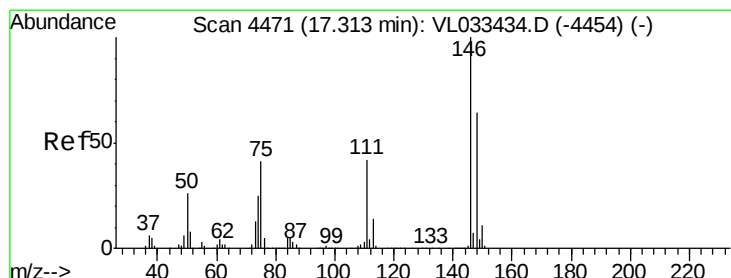
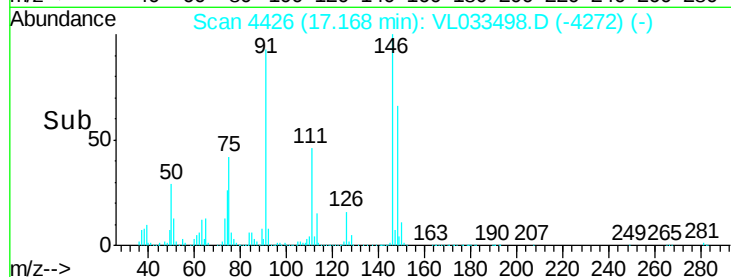
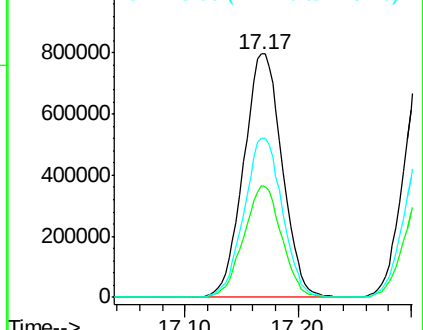
148 65.1 32.0 96.2



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



#76

1,4-Dichlorobenzene

Concen: 10.31 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

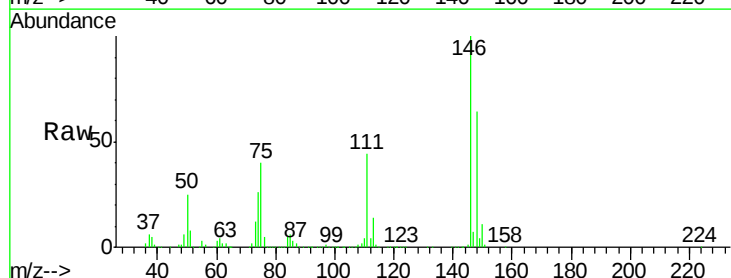
Tgt Ion:146 Resp: 1896501

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.7	65.1
148	64.5	32.0	96.2

146 100

111 43.6 21.7 65.1

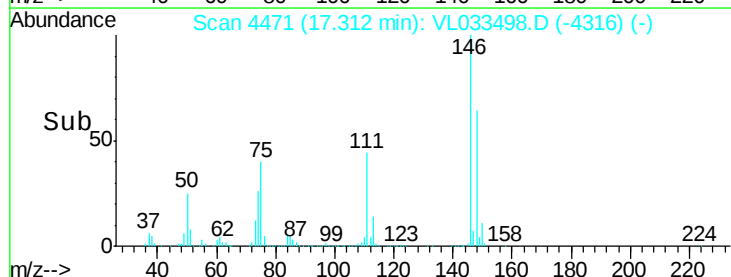
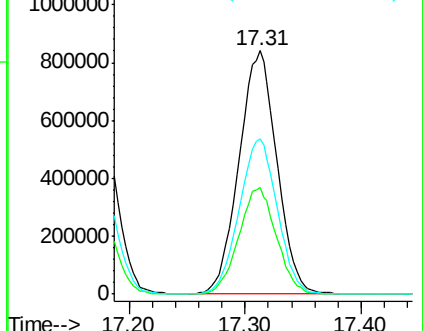
148 64.5 32.0 96.2

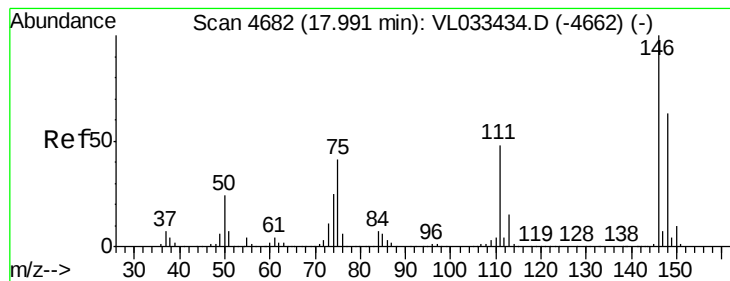


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.29 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampled :

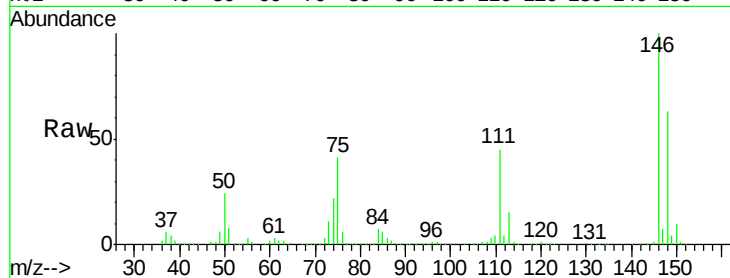
Tot Ion:146 Resp: 1843346

Ion Ratio Lower Upper

146 100

111 46.5 23.5 70.5

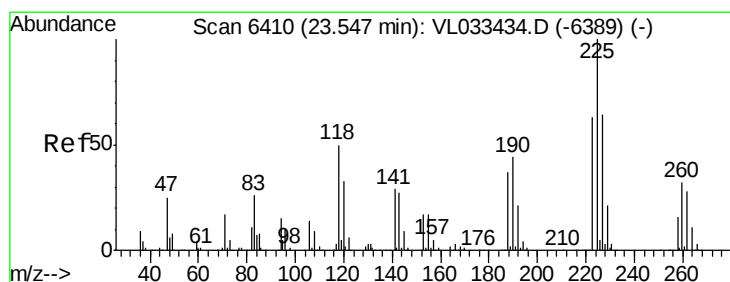
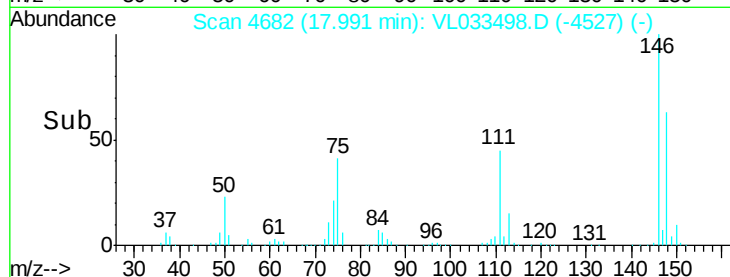
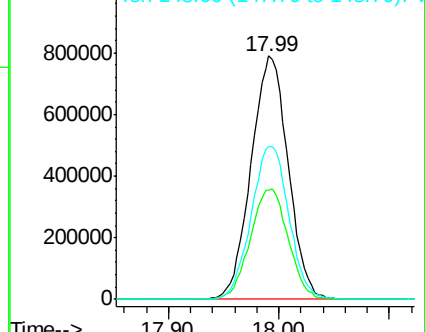
148 64.2 32.0 96.0



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: 11.69 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

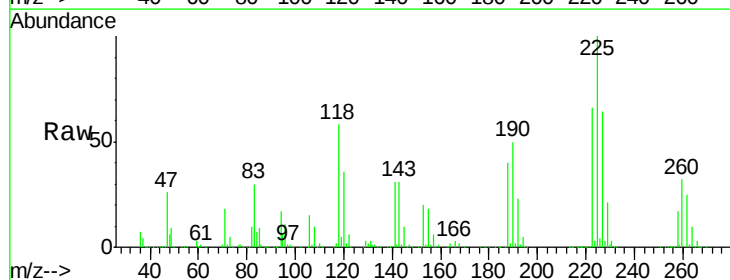
Tgt Ion:225 Resp: 1386311

Ion Ratio Lower Upper

225 100

223 63.9 50.0 75.0

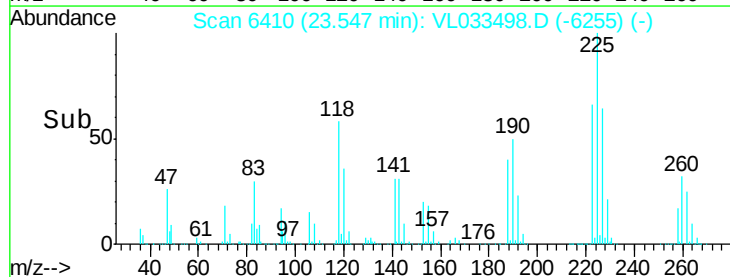
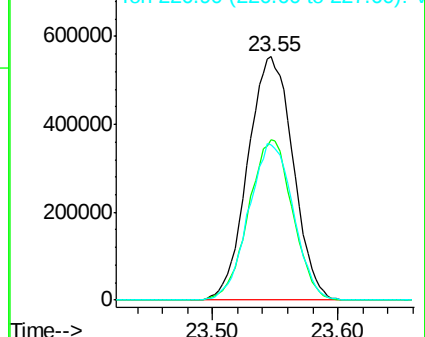
227 63.7 51.1 76.7

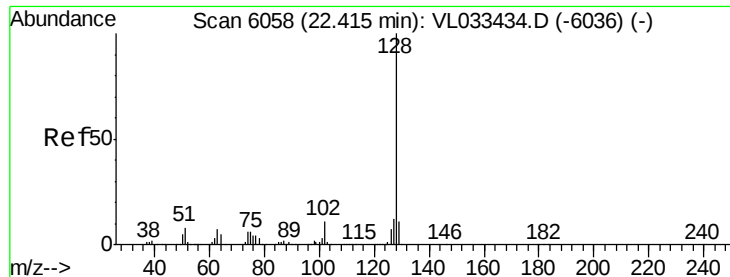


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.10 ppbv

RT: 22.41 min Scan# 6057

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

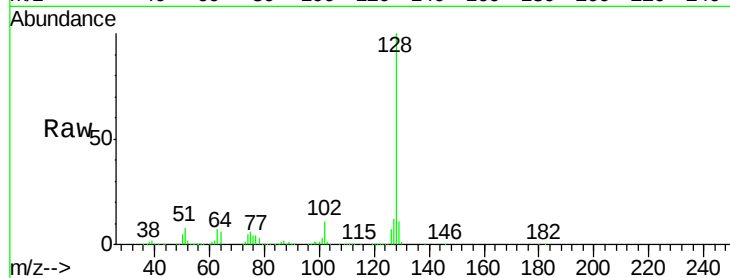
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3163947

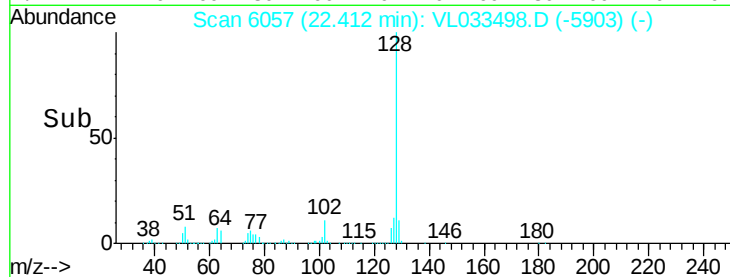
Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	10.7	8.6	12.8



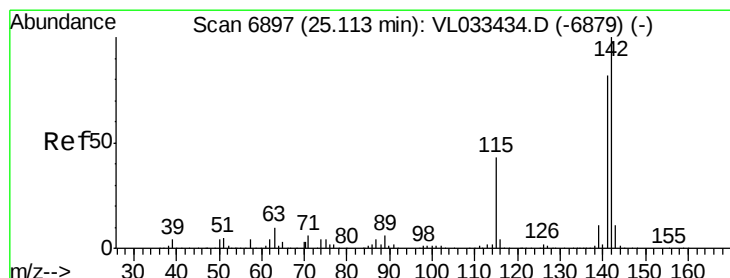
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 16.06 ppbv

RT: 25.12 min Scan# 6898

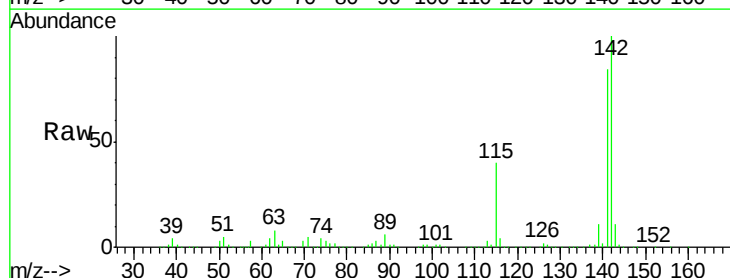
Delta R.T. 0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Tgt Ion:142 Resp: 1409593

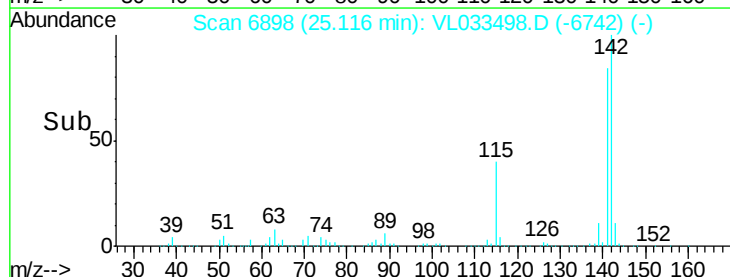
Ion	Ratio	Lower	Upper
142	100		
141	84.7	66.6	99.8
115	41.0	34.4	51.6



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



Time-->



#81

1,2,4-Trichlorobenzene

Concen: 11.20 ppbv

RT: 22.14 min Scan# 5973

Delta R.T. -0.00 min

Lab File: VL033498.D

Acq: 29 Mar 2019 12:08

Instrument :

MSVOA_L

ClientSampleId :

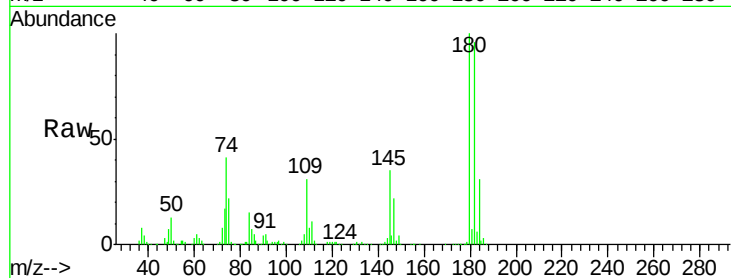
Tot Ion:180 Resp: 1624494

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.4

184 30.5 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

