

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033902.D
 Acq On : 13 Jun 2019 18:02
 Operator : SY/AP
 Sample : VL0613ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 14 05:33:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	934545	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2335102	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2951389	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1769380	7.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	73.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1191132	7.855	ppbv 98
3) Chlorodifluoromethane	3.00	51	1108049	10.072	ppbv 98
4) Chloromethane	3.16	50	648810	10.339	ppbv 98
5) Vinyl Chloride	3.28	62	649638	11.157	ppbv 99
6) Bromomethane	3.50	94	413442	10.688	ppbv 92
7) Chloroethane	3.59	64	242977	10.551	ppbv 99
8) Dichlorotetrafluoroethane	3.21	85	1651142	10.188	ppbv 98
9) Propene	3.03	41	478336	11.620	ppbv 99
10) Heptane	8.23	43	1250213	12.015	ppbv 99
11) Trichlorofluoromethane	3.99	101	1974985	10.093	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1341473	10.144	ppbv 100
13) Ethanol	3.64	45	118867	8.875	ppbv 95
14) Bromoethene	3.78	108	555883	11.281	ppbv 100
15) Acetone	3.89	43	1228970	9.017	ppbv 99
16) 1,3-Butadiene	3.35	39	568705	10.962	ppbv 98
17) tert-Butyl alcohol	4.35	59	1296040	12.164	ppbv 99
18) 1,1-Dichloroethene	4.34	96	593209	10.620	ppbv 97
19) Isopropyl Alcohol	4.01	45	983023	12.625	ppbv 99
20) Methylene Chloride	4.40	84	503214	9.467	ppbv 98
21) Allyl Chloride	4.46	41	887598	11.464	ppbv 99
22) trans-1,2-Dichloroethene	4.95	96	613775	10.425	ppbv 98
23) Vinyl Acetate	5.14	43	1889856	11.929	ppbv 100
24) 1,1-Dichloroethane	5.08	63	1320714	10.718	ppbv 99
25) Ethyl Acetate	5.75	43	2249740	10.838	ppbv 99
26) Hexane	5.77	57	983701	10.409	ppbv 99
27) Carbon Disulfide	4.61	76	1522965	11.599	ppbv 99
28) Methyl tert-Butyl Ether	5.10	73	1741135	12.183	ppbv 99
29) Chloroform	5.84	83	1699907	10.502	ppbv 100
30) Cyclohexane	7.24	84	873772	13.085	ppbv 99
31) cis-1,2-Dichloroethene	5.63	61	1030260	12.431	ppbv 97
32) 1,1,1-Trichloroethane	6.61	97	1944489	12.453	ppbv 100
34) 2-Butanone	5.32	43	1444292	10.964	ppbv 99
35) Carbon Tetrachloride	7.12	117	1971148	10.926	ppbv 97
36) Benzene	6.99	78	2120088	11.886	ppbv 99
37) 1,2-Dichloroethane	6.40	62	1458230	11.054	ppbv 99
38) Trichloroethene	7.95	130	925239	13.322	ppbv 99
39) 1,2-Dichloropropane	7.72	63	809122	11.753	ppbv 97
40) 1,4-Dioxane	7.94	88	375333	13.367	ppbv 89
41) Tetrahydrofuran	6.13	42	884959	13.235	ppbv 100
42) Bromodichloromethane	7.90	83	2028885	11.509	ppbv 99
43) Methyl Methacrylate	8.13	69	832644	12.481	ppbv 100

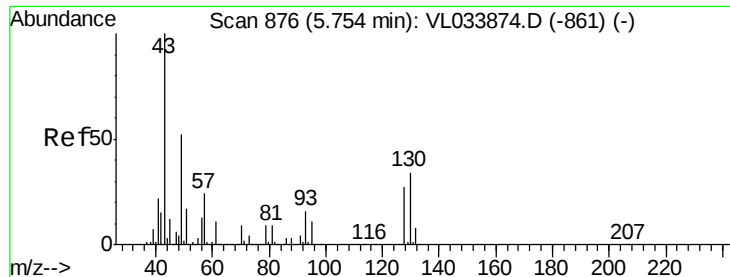
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033902.D
 Acq On : 13 Jun 2019 18:02
 Operator : SY/AP
 Sample : VL0613ABS01
 Misc : 400ml/MSVOA L
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Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 14 05:33:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3667677	11.562	ppbv	100
45) t-1,3-Dichloropropene	9.40	75	1138852	13.010	ppbv	100
46) cis-1,3-Dichloropropene	8.82	75	1290945	12.872	ppbv	100
47) 1,1,2-Trichloroethane	9.60	97	865194	10.542	ppbv	97
48) Dibromochloromethane	10.44	129	1649959	11.187	ppbv	99
49) Bromoform	13.19	173	1480111	11.368	ppbv	99
50) 4-Methyl-2-Pentanone	8.85	43	2220034	11.302	ppbv	99
51) 2-Hexanone	10.26	43	1796517	11.711	ppbv	100
52) Tetrachloroethene	11.36	164	789209	12.574	ppbv	98
53) Toluene	9.93	91	2393141	12.124	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1406317	11.367	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.27	131	1162509	9.017	ppbv #	94
57) Chlorobenzene	12.29	112	1983783	8.974	ppbv	97
58) Ethyl Benzene	12.85	91	3451617	10.373	ppbv	96
59) m/p-Xylene	13.14	91	2971677	9.821	ppbv #	39
60) o-Xylene	13.83	91	2795381	8.947	ppbv	99
61) Styrene	13.67	104	2055493	10.167	ppbv	99
62) Isopropylbenzene	14.81	105	3731605	8.862	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.82	83	1980490	8.421	ppbv	99
64) n-propylbenzene	15.71	120	971717	9.011	ppbv	100
65) tert-Butylbenzene	16.89	119	3520004	9.034	ppbv	100
66) Benzyl Chloride	17.14	91	2059399	10.430	ppbv	100
67) sec-Butylbenzene	17.44	105	4944175	9.045	ppbv	100
69) p-Isopropyltoluene	17.80	119	4233506	9.309	ppbv	100
70) n-Butylbenzene	18.70	91	4459701	8.953	ppbv	100
71) 2-Chlorotoluene	15.61	91	2832001	9.129	ppbv	99
72) 4-Ethyltoluene	15.99	105	3292631	9.261	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3203259	9.147	ppbv	99
74) 1,2,4-Trimethylbenzene	16.91	105	3471569	8.601	ppbv	99
75) 1,3-Dichlorobenzene	17.15	146	2071717	8.196	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	2025153	8.725	ppbv	99
77) 1,2-Dichlorobenzene	17.97	146	2001688	8.581	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	1422784	7.809	ppbv	100
79) Naphthalene	22.39	128	3234370	10.025	ppbv	99
80) Naphthalene, 2-methyl-	25.10	142	1256967	9.765	ppbv	100
81) 1,2,4-Trichlorobenzene	22.12	180	1933634	9.493	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

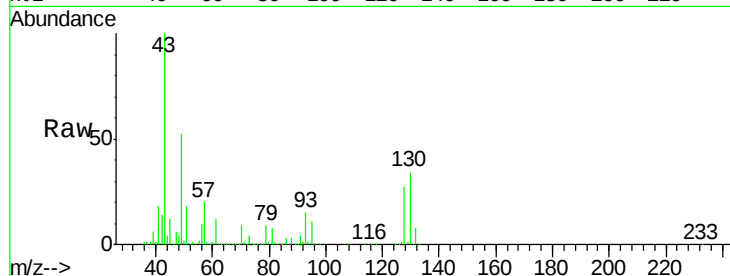
Tot Ion: 49 Resp: 934545

Ion Ratio Lower Upper

49 100

128 51.1 25.5 76.5

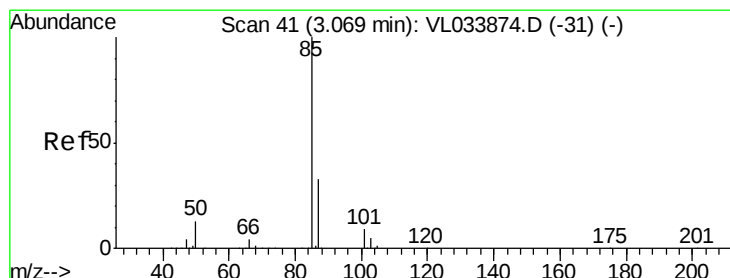
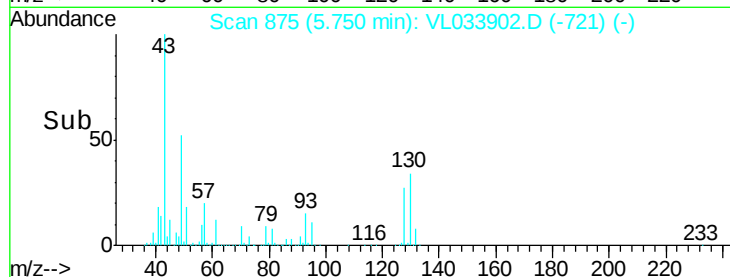
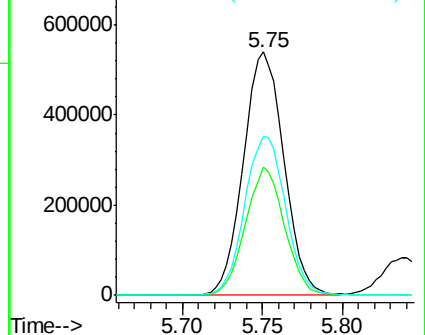
130 66.1 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.855 ppbv

RT: 3.07 min Scan# 41

Delta R.T. -0.00 min

Lab File: VL033902.D

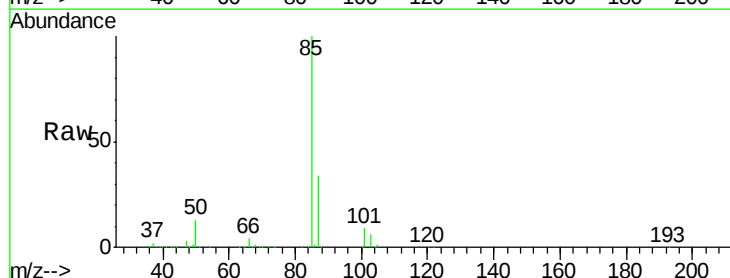
Acq: 13 Jun 2019 18:02

Tgt Ion: 85 Resp: 1191132

Ion Ratio Lower Upper

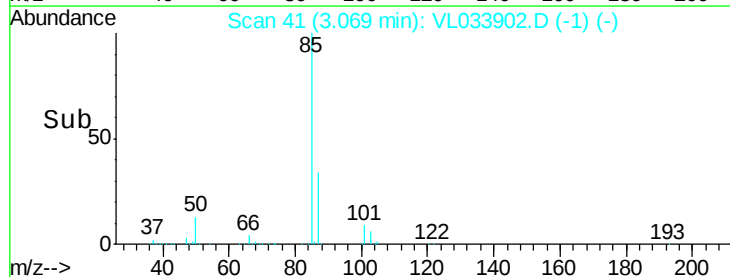
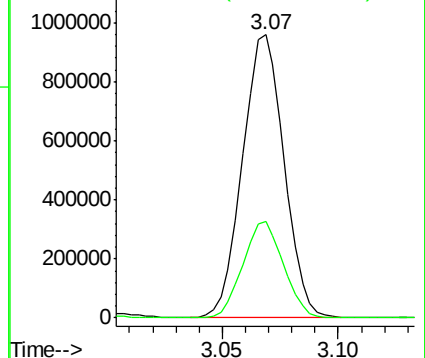
85 100

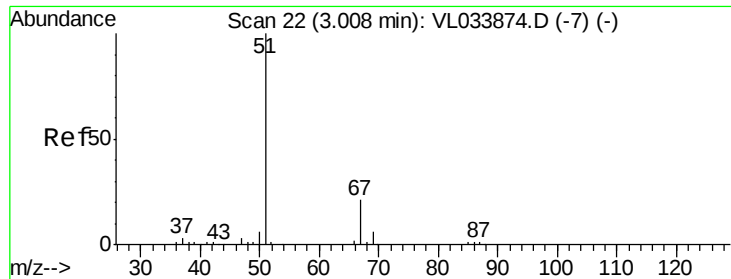
87 34.2 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.072 ppbv

RT: 3.00 min Scan# 21

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

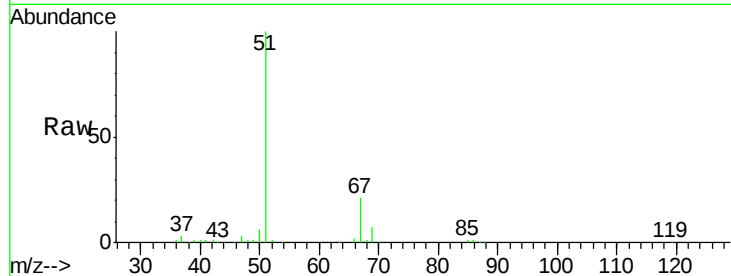
ClientSampleId :

Tot Ion: 51 Resp: 1108049

Ion Ratio Lower Upper

51 100

67 19.6 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.00

800000

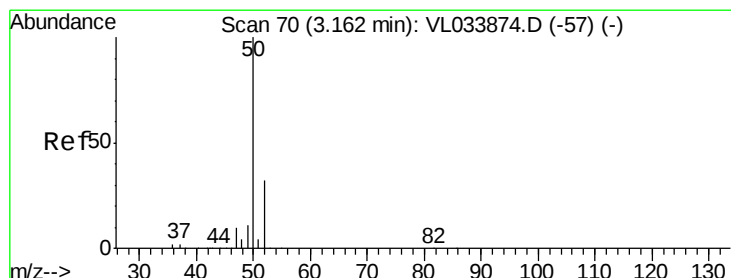
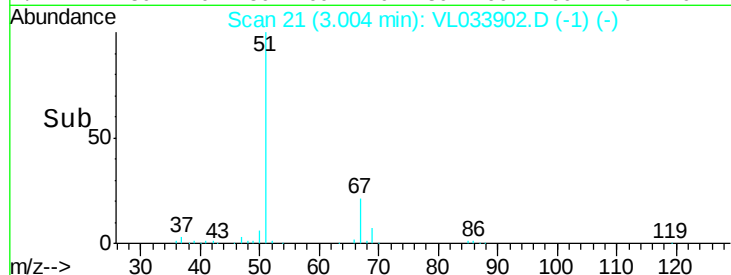
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.339 ppbv

RT: 3.16 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL033902.D

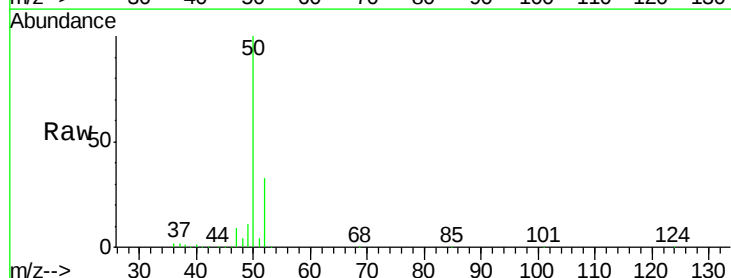
Acq: 13 Jun 2019 18:02

Tgt Ion: 50 Resp: 648810

Ion Ratio Lower Upper

50 100

52 32.8 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.16

500000

400000

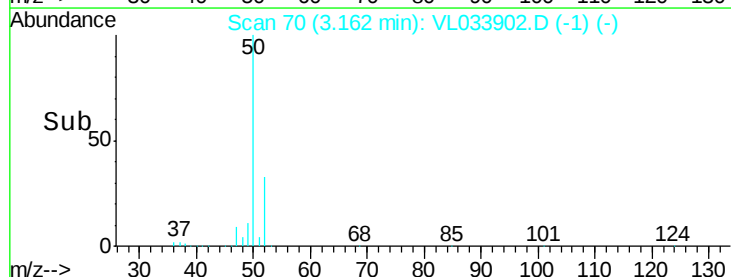
300000

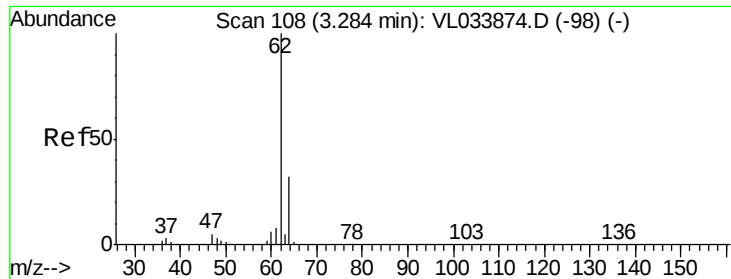
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 11.157 ppbv

RT: 3.28 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

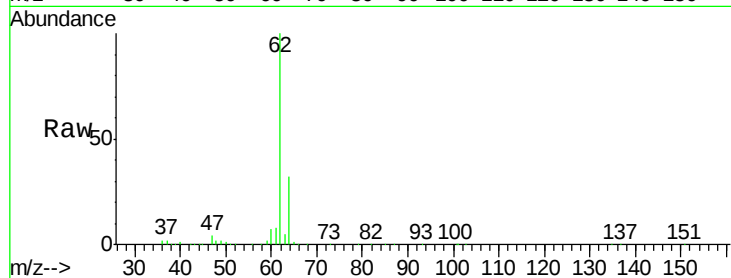
ClientSampleId :

Tot Ion: 62 Resp: 649638

Ion Ratio Lower Upper

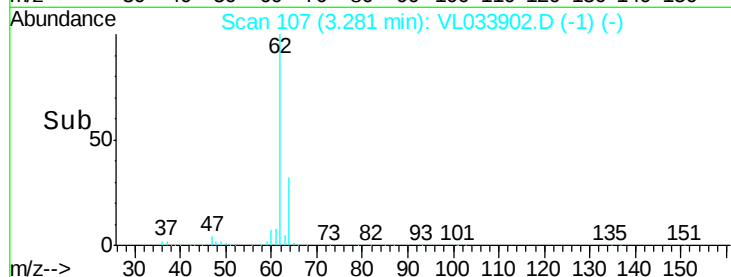
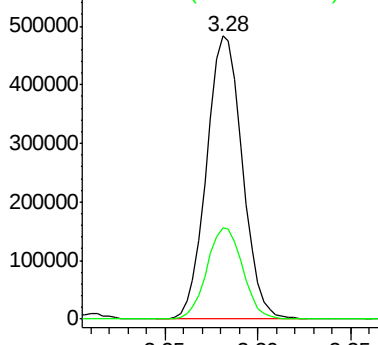
62 100

64 32.3 25.2 37.8

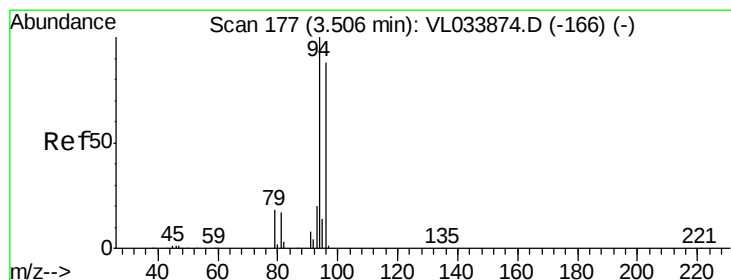


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 10.688 ppbv

RT: 3.50 min Scan# 176

Delta R.T. -0.00 min

Lab File: VL033902.D

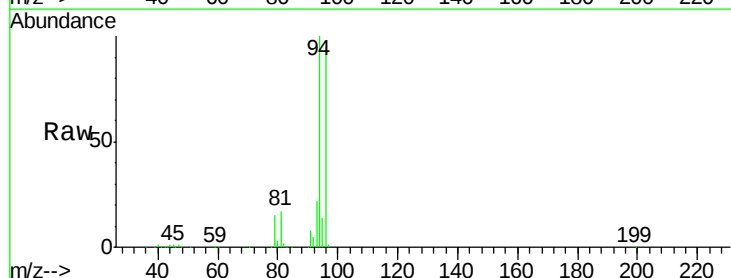
Acq: 13 Jun 2019 18:02

Tgt Ion: 94 Resp: 413442

Ion Ratio Lower Upper

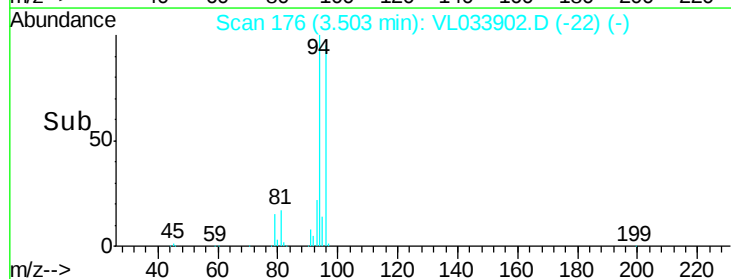
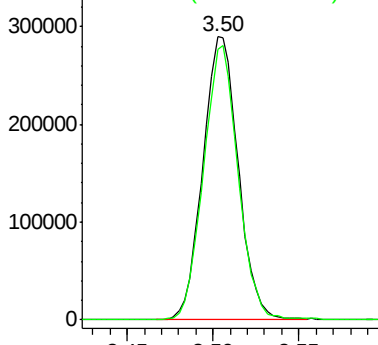
94 100

96 95.4 70.2 105.2

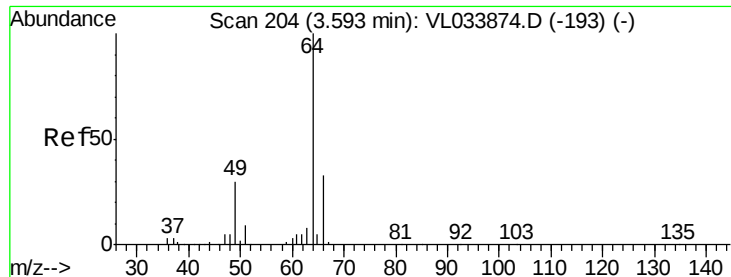


Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->



#7

Chloroethane

Concen: 10.551 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

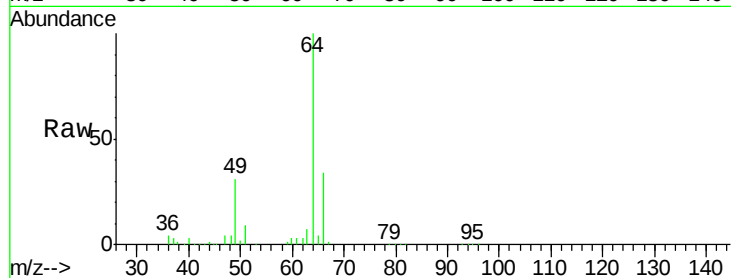
ClientSampleId :

Tot Ion: 64 Resp: 242977

Ion Ratio Lower Upper

64 100

66 34.0 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.59

200000

150000

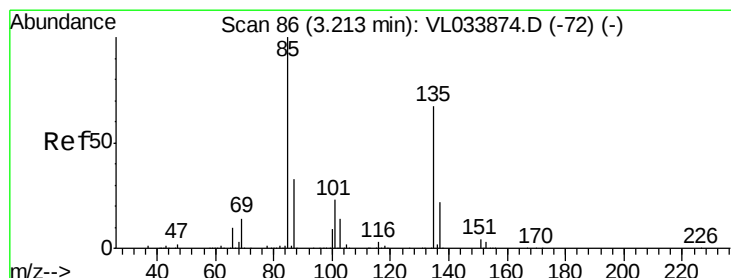
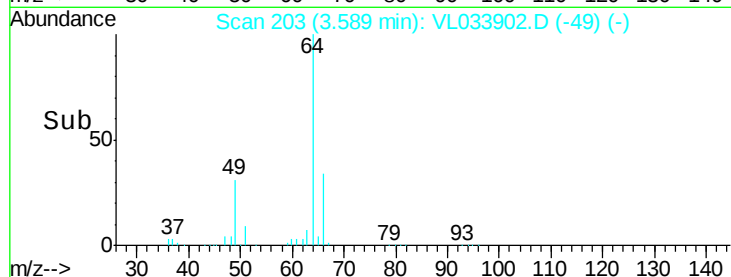
100000

50000

0

Time-->

3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 10.188 ppbv

RT: 3.21 min Scan# 85

Delta R.T. -0.00 min

Lab File: VL033902.D

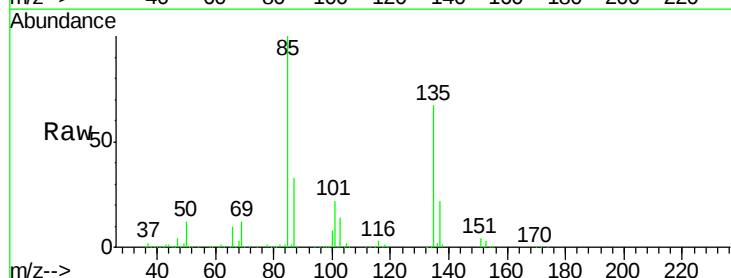
Acq: 13 Jun 2019 18:02

Tgt Ion: 85 Resp: 1651142

Ion Ratio Lower Upper

85 100

135 68.7 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

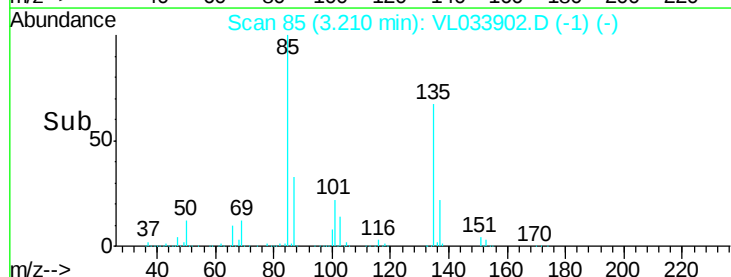
1000000

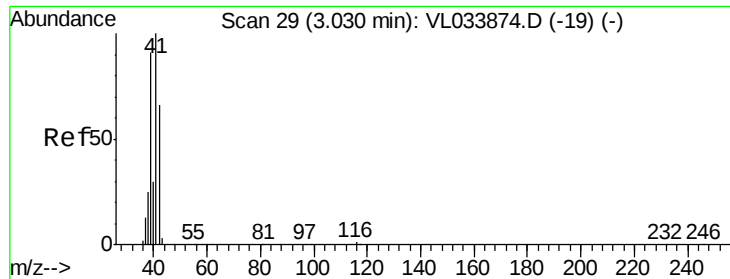
500000

0

Time-->

3.15 3.20 3.25





#9

Propene

Concen: 11.620 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

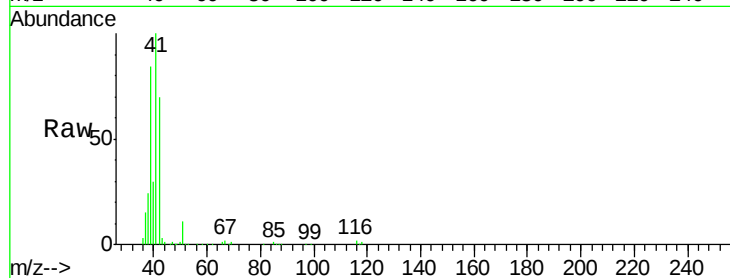
ClientSampleId :

Tot Ion: 41 Resp: 478336

Ion Ratio Lower Upper

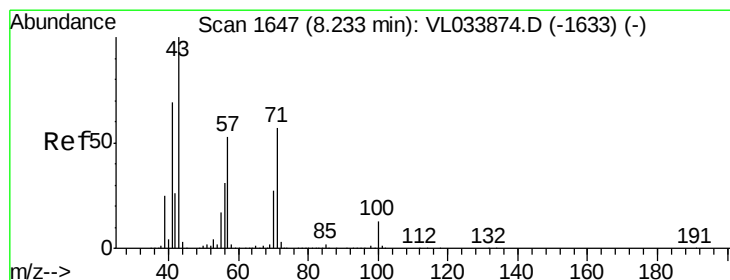
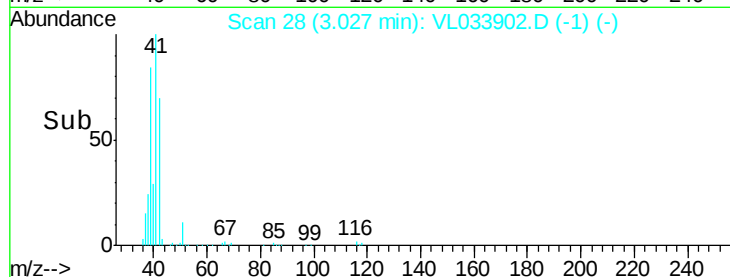
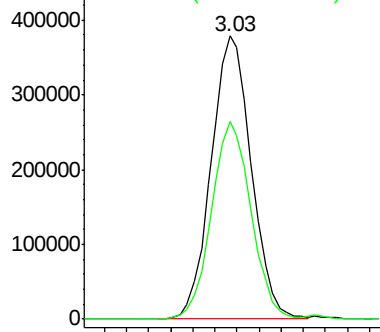
41 100

42 69.6 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 12.015 ppbv

RT: 8.23 min Scan# 1647

Delta R.T. -0.00 min

Lab File: VL033902.D

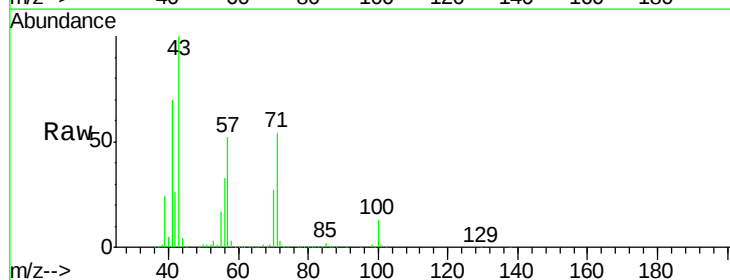
Acq: 13 Jun 2019 18:02

Tgt Ion: 43 Resp: 1250213

Ion Ratio Lower Upper

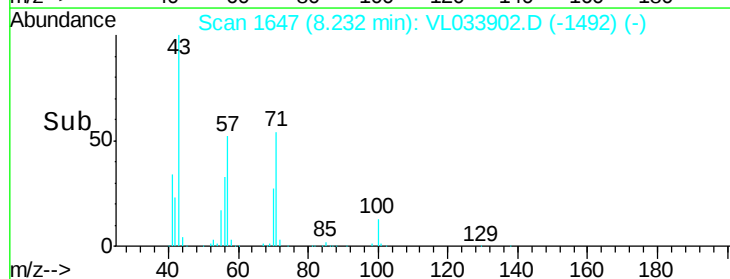
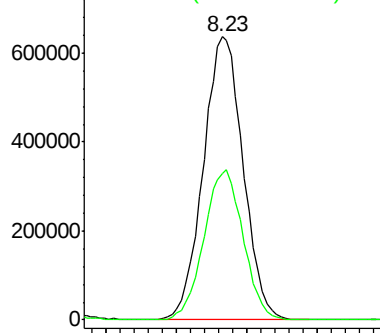
43 100

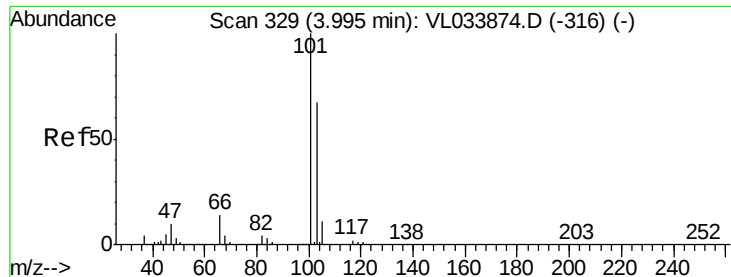
57 52.5 41.7 62.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.093 ppbv

RT: 3.99 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

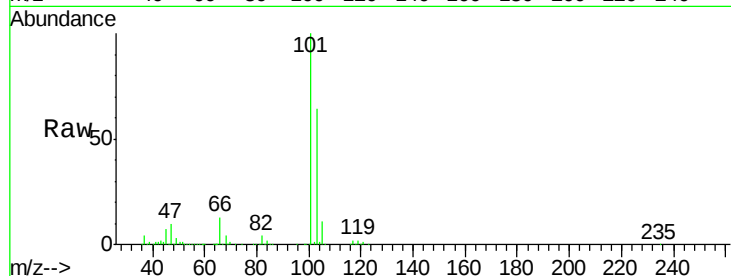
ClientSampled :

Tot Ion:101 Resp: 1974985

Ion Ratio Lower Upper

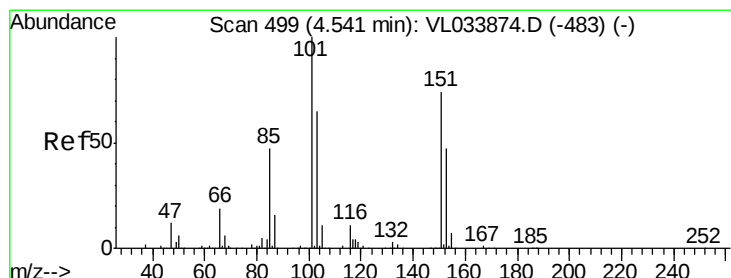
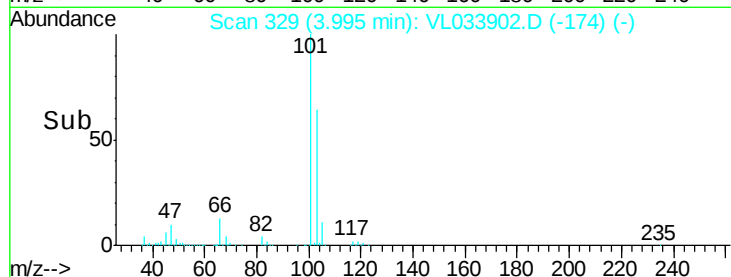
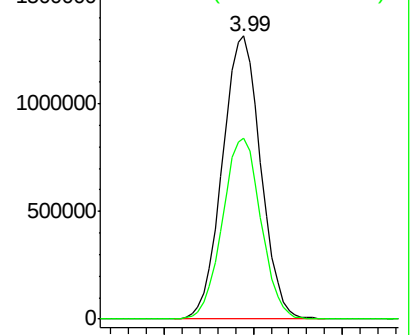
101 100

103 64.1 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.144 ppbv

RT: 4.54 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL033902.D

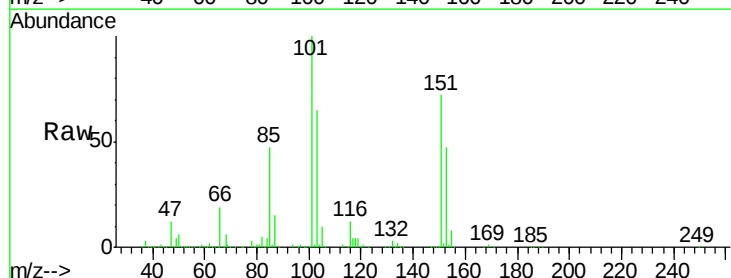
Acq: 13 Jun 2019 18:02

Tgt Ion:101 Resp: 1341473

Ion Ratio Lower Upper

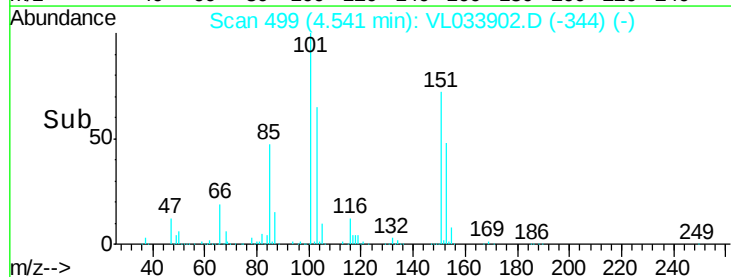
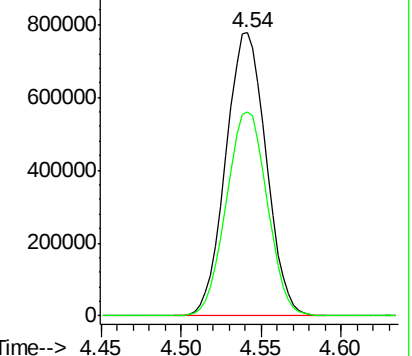
101 100

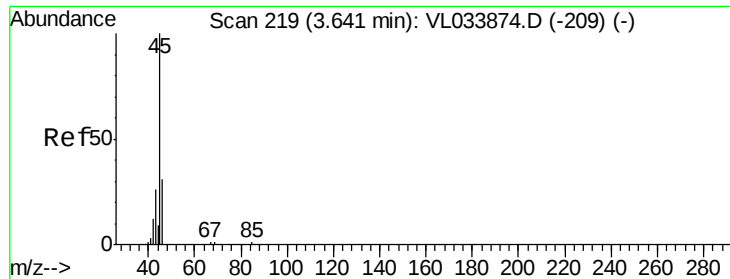
151 73.2 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

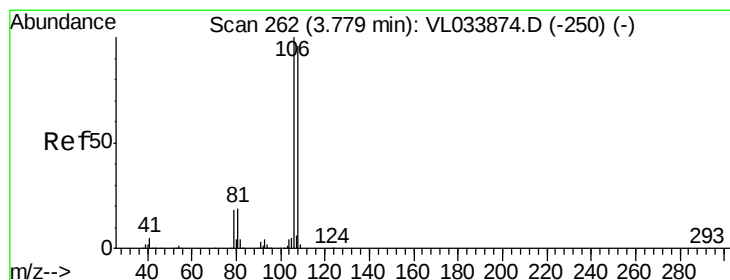
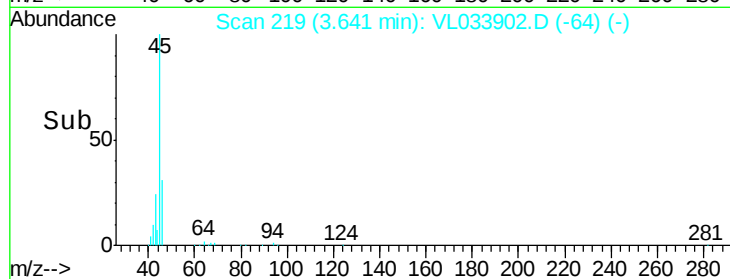
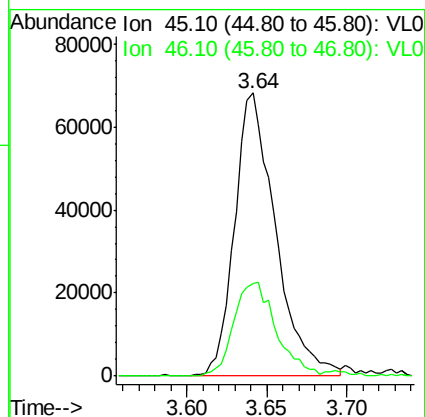
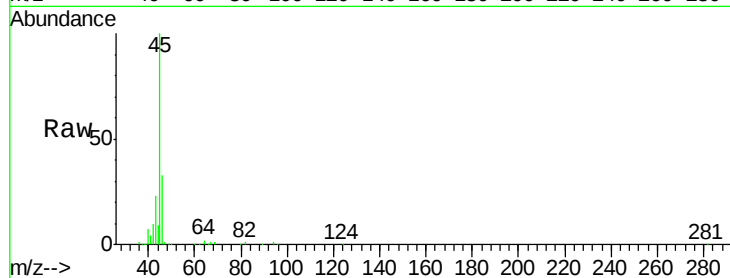




#13
Ethanol
Concen: 8.875 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

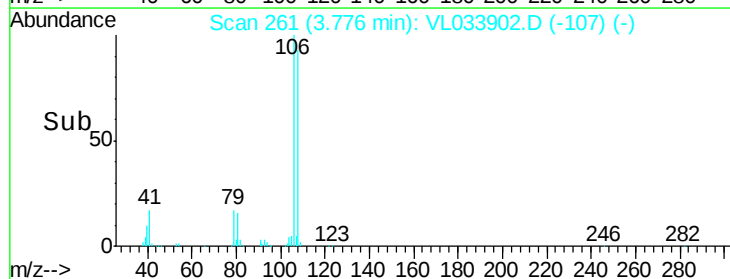
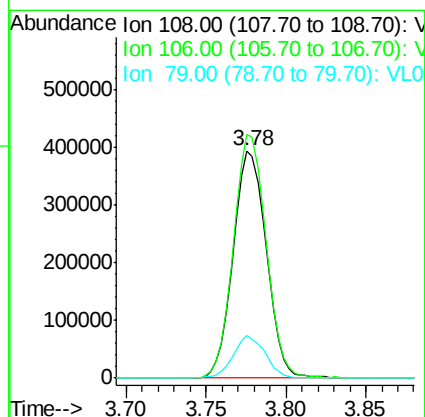
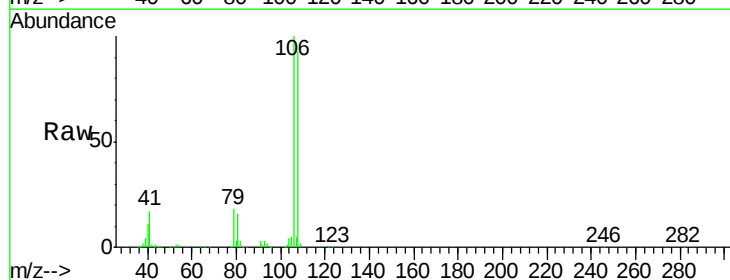
Instrument :
MSVOA_L
ClientSampleId :

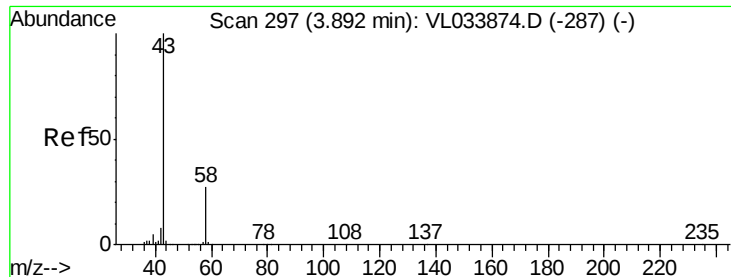
Tot Ion: 45 Resp: 118867
Ion Ratio Lower Upper
45 100
46 35.4 15.3 61.1



#14
Bromoethene
Concen: 11.281 ppbv
RT: 3.78 min Scan# 261
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

Tgt Ion: 108 Resp: 555883
Ion Ratio Lower Upper
108 100
106 106.1 84.9 127.3
79 18.5 15.4 23.0





#15

Acetone

Concen: 9.017 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

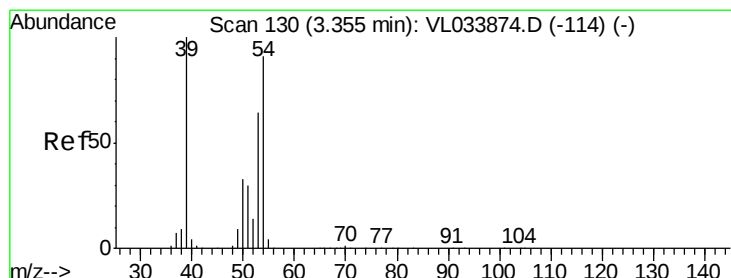
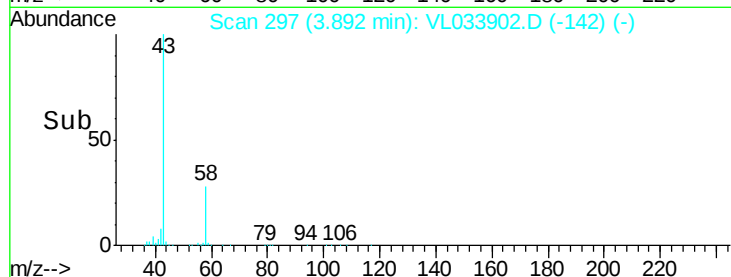
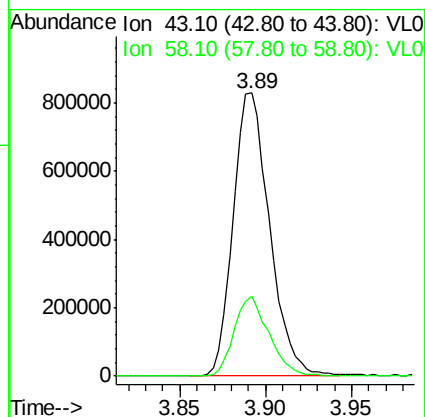
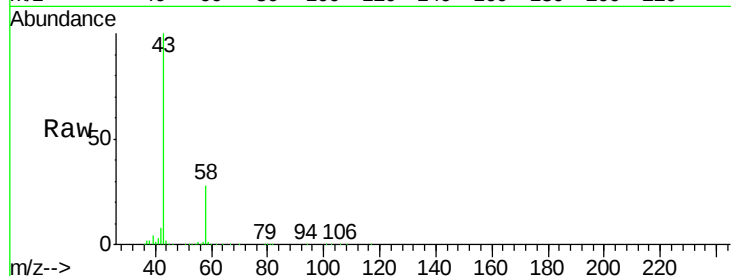
ClientSampleId :

Tot Ion: 43 Resp: 1228970

Ion Ratio Lower Upper

43 100

58 27.0 21.3 31.9



#16

1,3-Butadiene

Concen: 10.962 ppbv

RT: 3.35 min Scan# 130

Delta R.T. -0.00 min

Lab File: VL033902.D

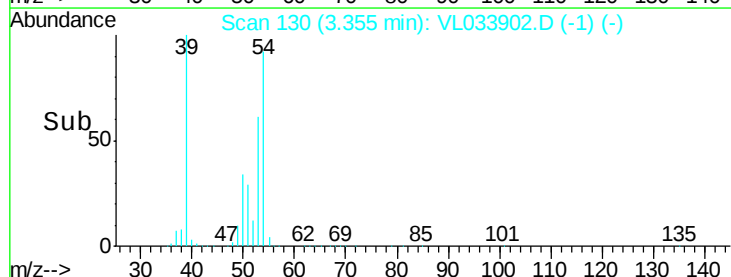
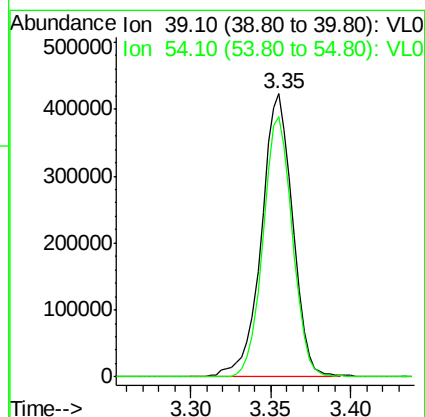
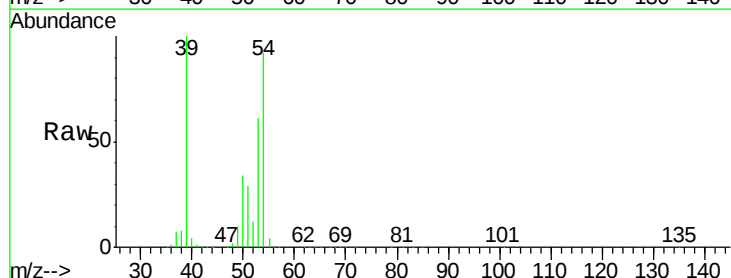
Acq: 13 Jun 2019 18:02

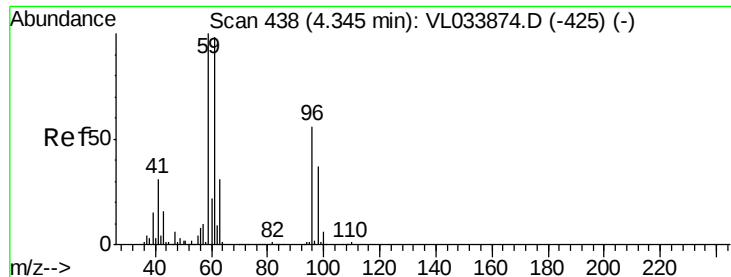
Tgt Ion: 39 Resp: 568705

Ion Ratio Lower Upper

39 100

54 87.2 68.6 103.0





#17

tert-Butyl alcohol
Concen: 12.164 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

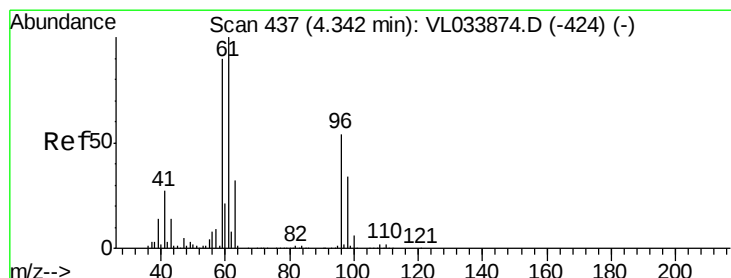
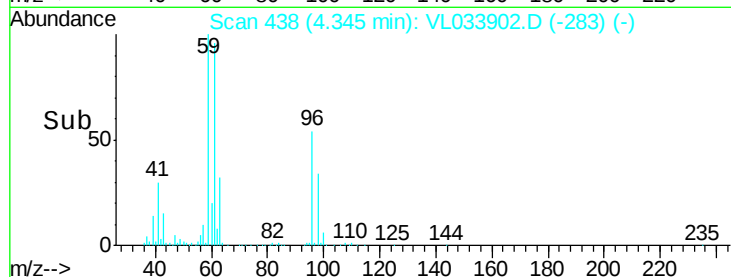
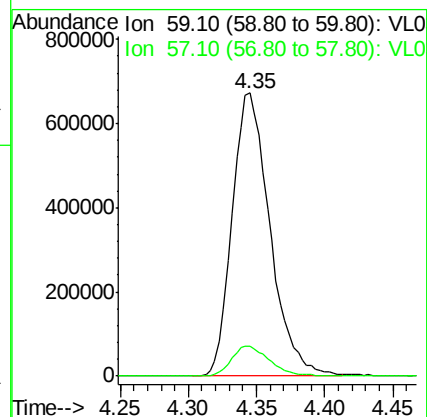
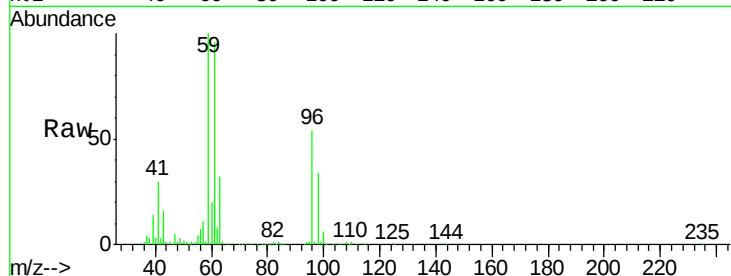
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 59 Resp: 1296040

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



#18

1,1-Dichloroethene
Concen: 10.620 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

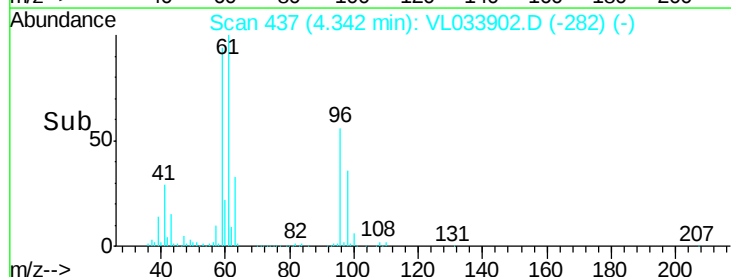
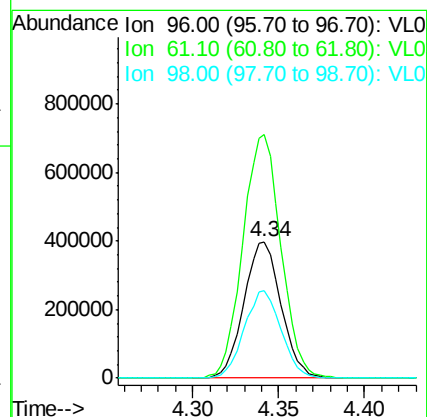
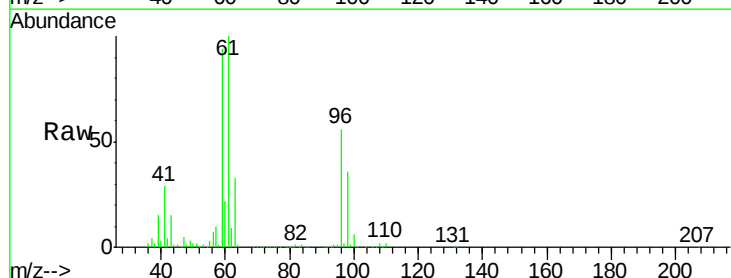
Tgt Ion: 96 Resp: 593209

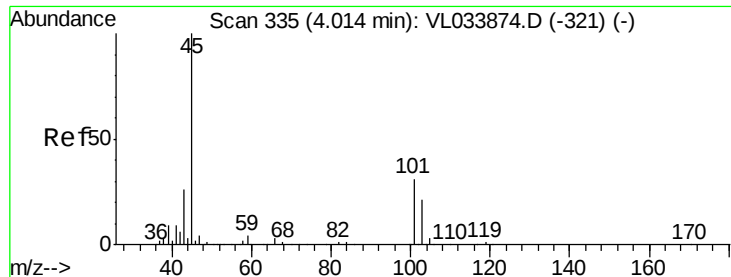
Ion Ratio Lower Upper

96 100

61 178.9 147.0 220.6

98 64.5 49.4 74.0



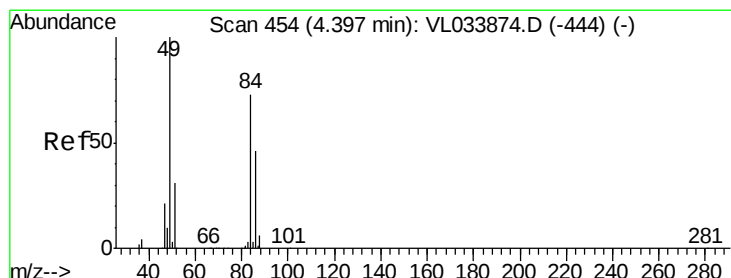
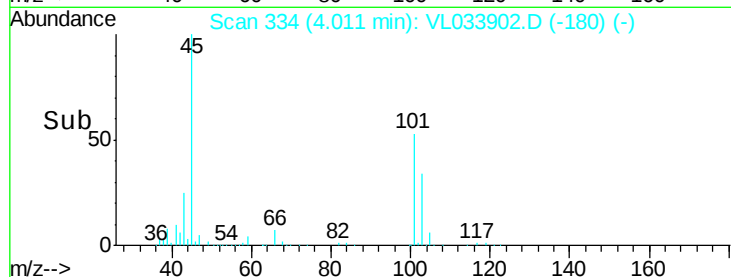
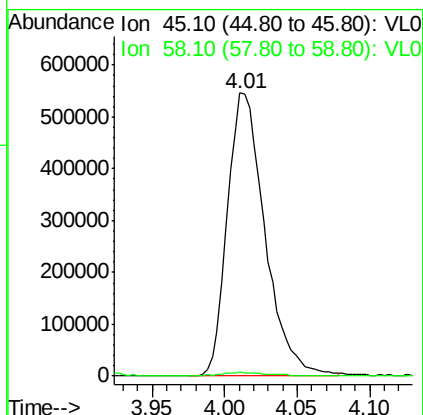
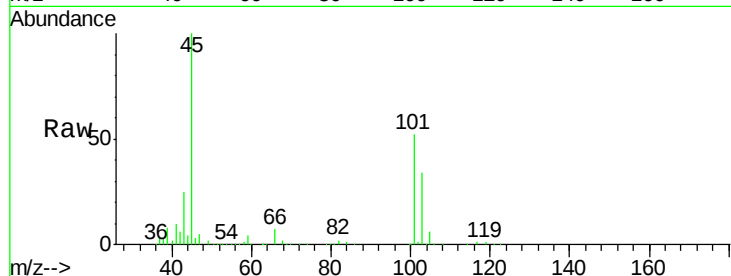


#19

Isopropyl Alcohol
 Concen: 12.625 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Instrument :
 MSVOA_L
 ClientSampleId :

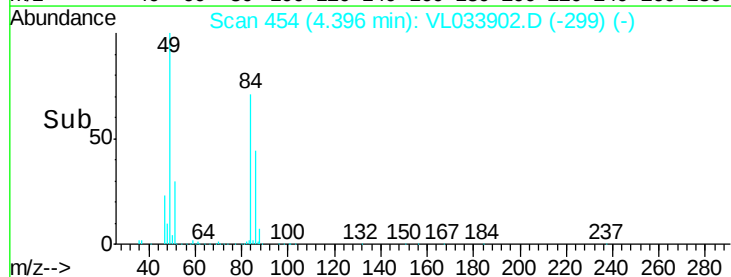
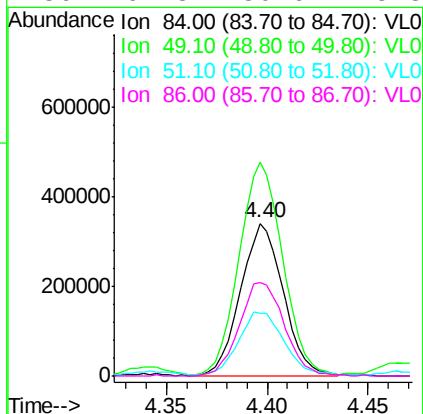
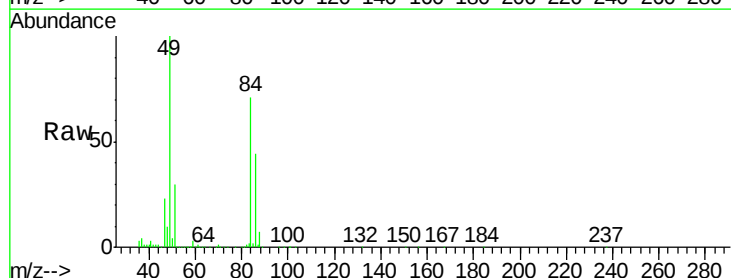
Tot Ion: 45 Resp: 983023
 Ion Ratio Lower Upper
 45 100
 58 1.9 1.8 2.6

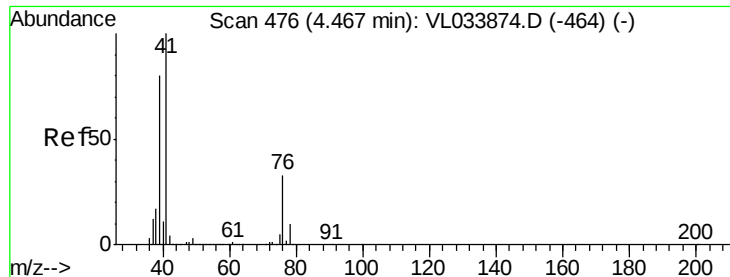


#20

Methylene Chloride
 Concen: 9.467 ppbv
 RT: 4.40 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Tgt Ion: 84 Resp: 503214
 Ion Ratio Lower Upper
 84 100
 49 139.5 110.0 165.0
 51 40.6 34.6 51.8
 86 61.8 50.6 75.8





#21

Allvl Chloride

Concen: 11.464 ppbv

RT: 4.46 min Scan# 475

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

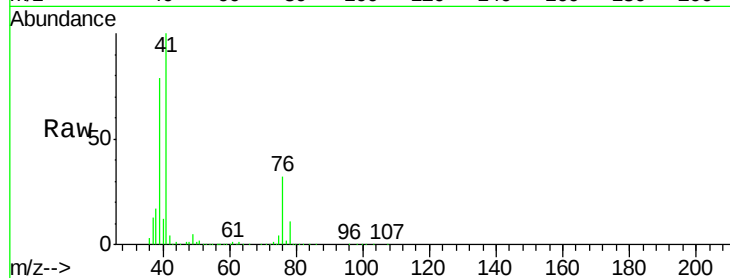
Tot Ion: 41 Resp: 887598

Ion Ratio Lower Upper

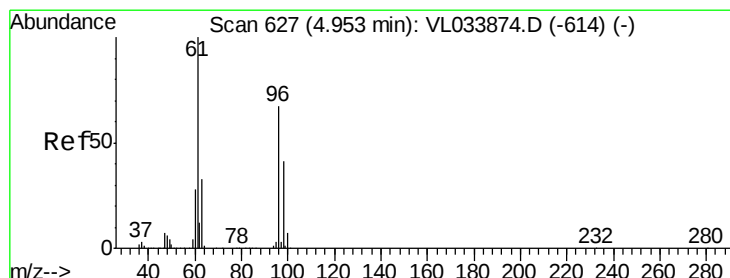
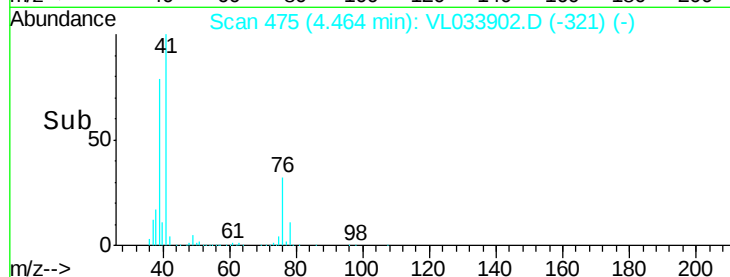
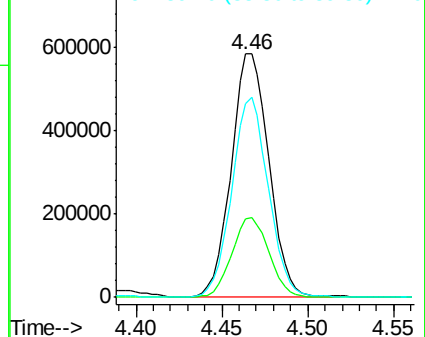
41 100

76 32.6 26.6 39.8

39 80.4 65.2 97.8



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.425 ppbv

RT: 4.95 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

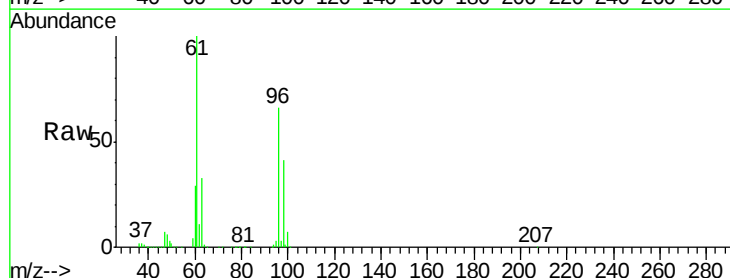
Tgt Ion: 96 Resp: 613775

Ion Ratio Lower Upper

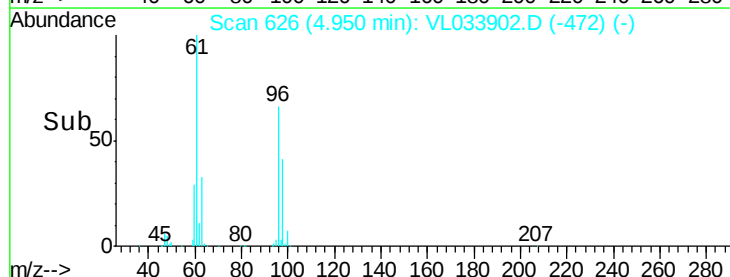
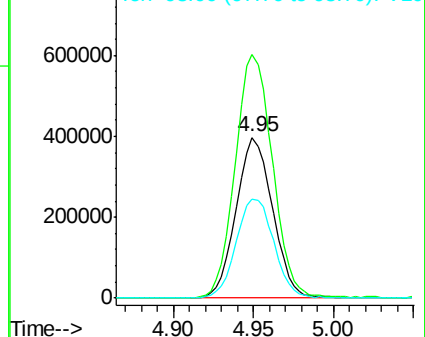
96 100

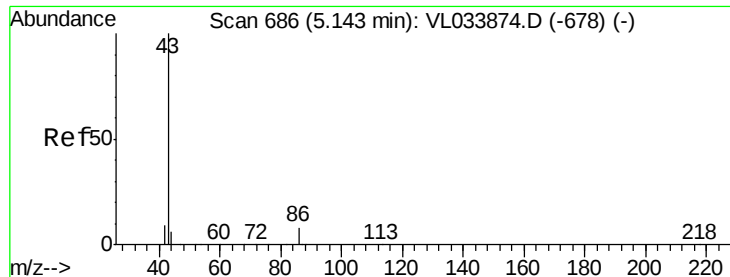
61 151.7 119.0 178.6

98 61.8 48.3 72.5



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





#23

Vinyl Acetate

Concen: 11.929 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.00 min

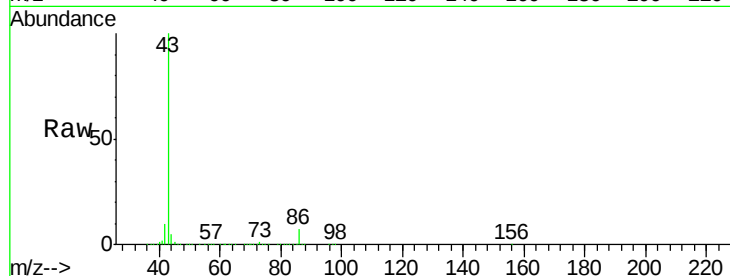
Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

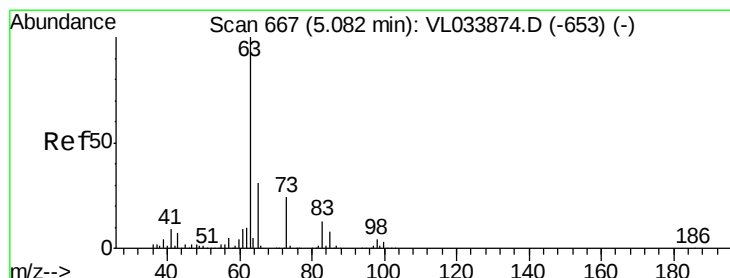
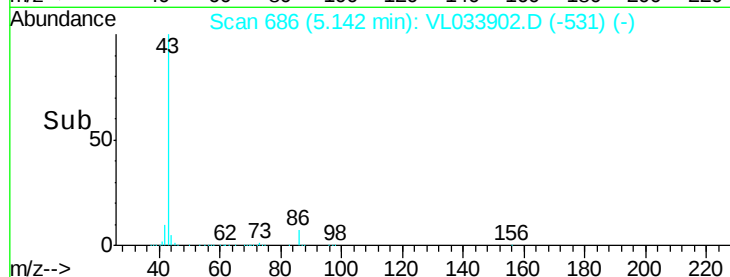
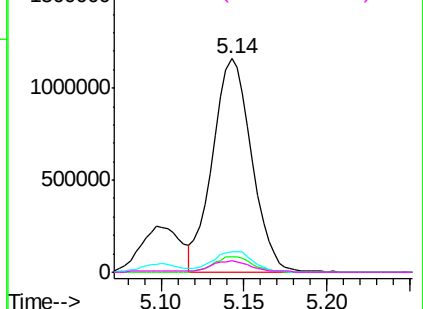
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1889856

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.8
42	9.8	7.8	11.8
44	5.2	4.2	6.4



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: 10.718 ppbv

RT: 5.08 min Scan# 667

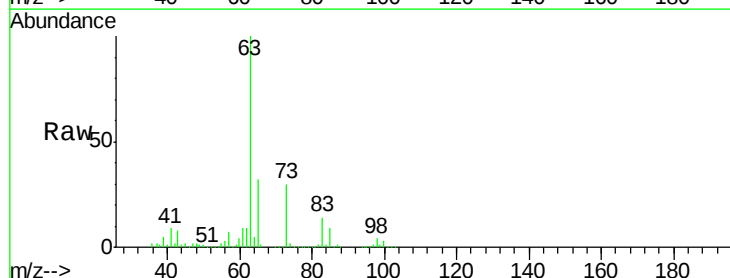
Delta R.T. -0.00 min

Lab File: VL033902.D

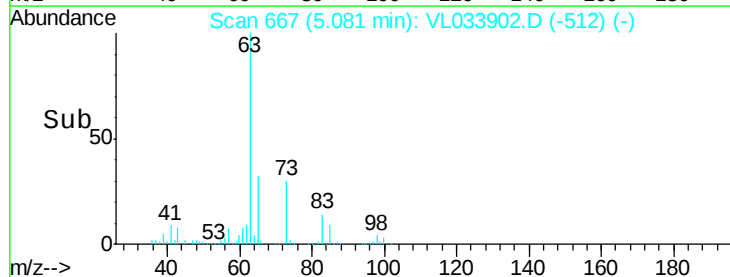
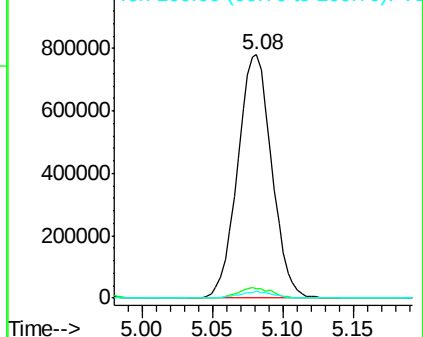
Acq: 13 Jun 2019 18:02

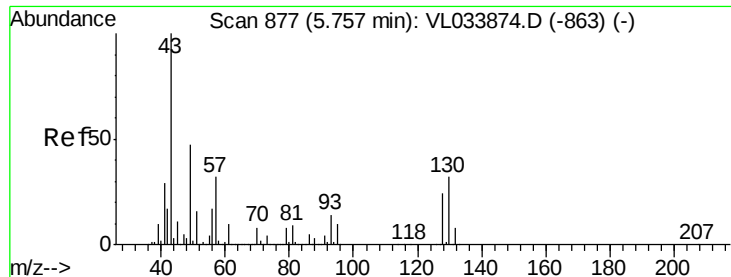
Tgt Ion: 63 Resp: 1320714

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	2.7	1.3	3.8



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

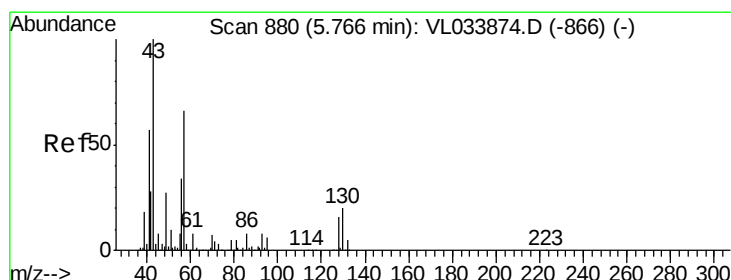
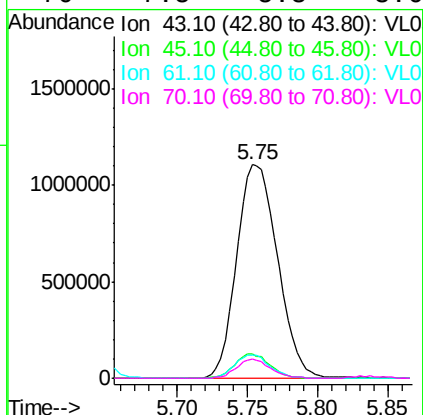
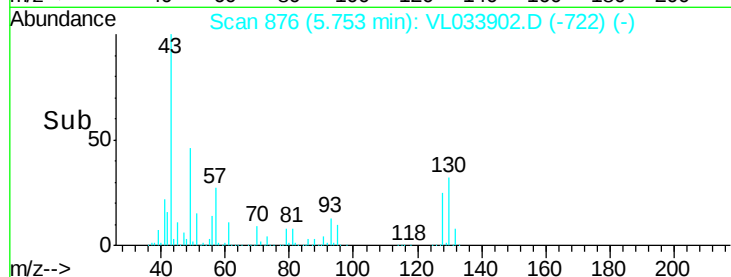
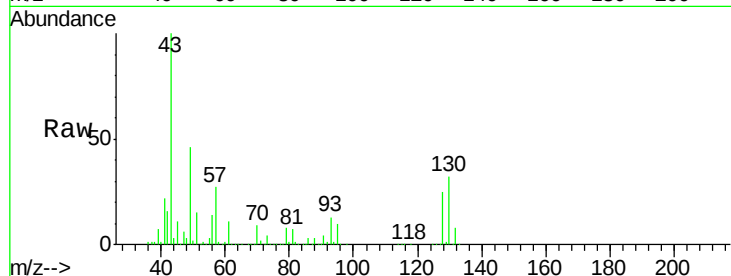




#25
Ethyl Acetate
Concen: 10.838 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

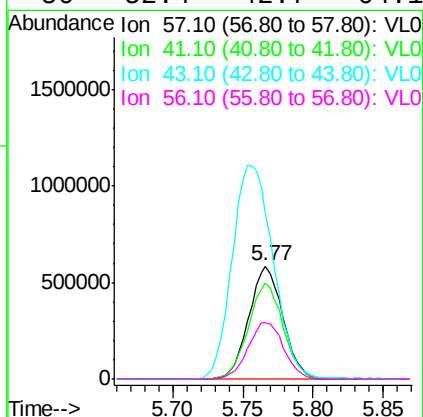
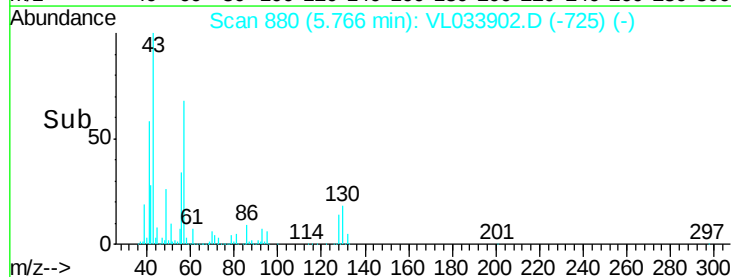
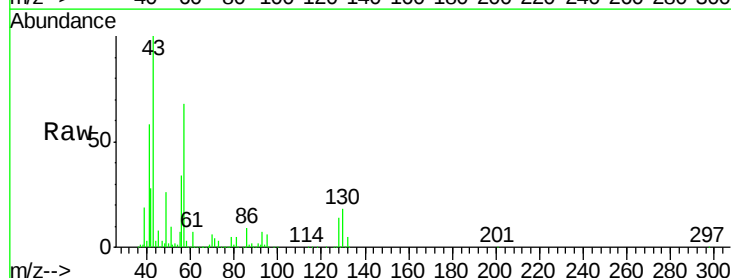
Instrument :
MSVOA_L
ClientSampleId :

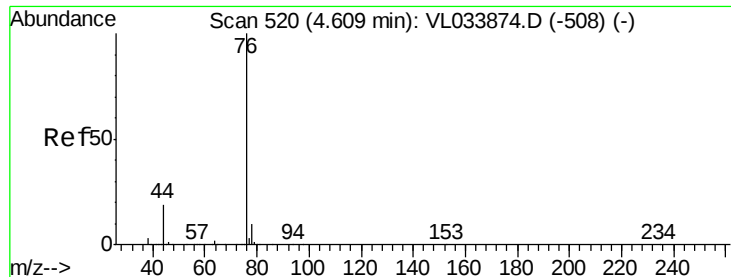
Tot Ion:	43	Resp:	2249740
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.8	11.6
70	7.5	5.8	8.6



#26
Hexane
Concen: 10.409 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

Tgt Ion:	57	Resp:	983701
Ion	Ratio	Lower	Upper
57	100		
41	87.3	71.4	107.2
43	229.8	183.7	275.5
56	52.4	42.7	64.1





#27

Carbon Disulfide

Concen: 11.599 ppbv

RT: 4.61 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

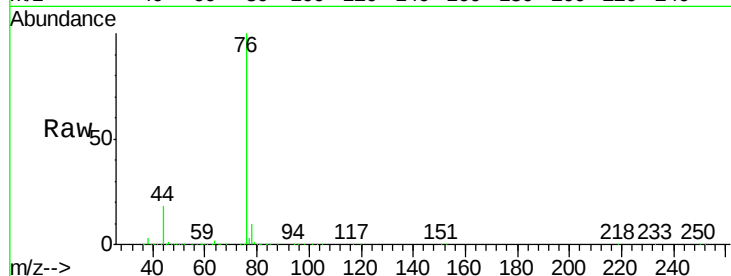
Tot Ion: 76 Resp: 1522965

Ion	Ratio	Lower	Upper
76	100		
44	17.4	14.4	21.6
78	9.4	7.5	11.3

76 100

44 17.4 14.4 21.6

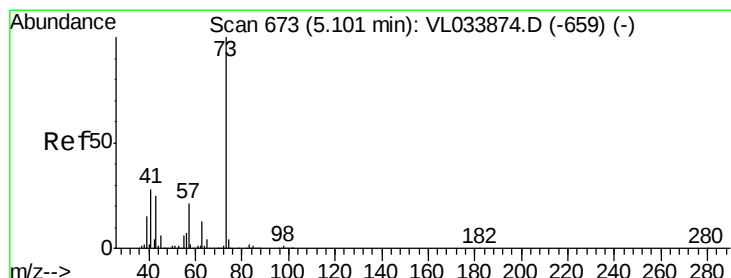
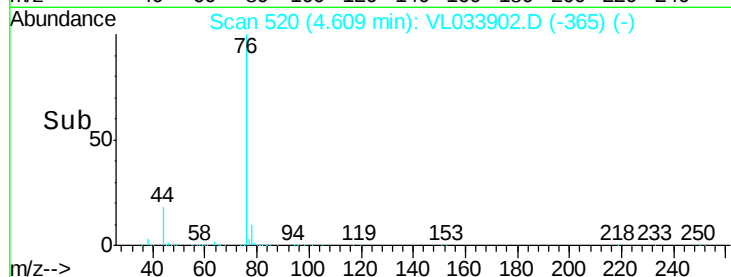
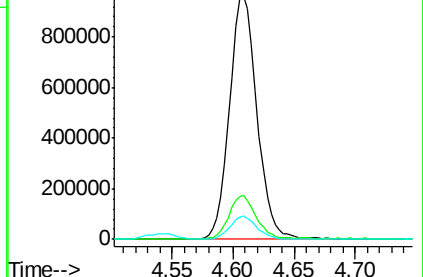
78 9.4 7.5 11.3



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: 12.183 ppbv

RT: 5.10 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL033902.D

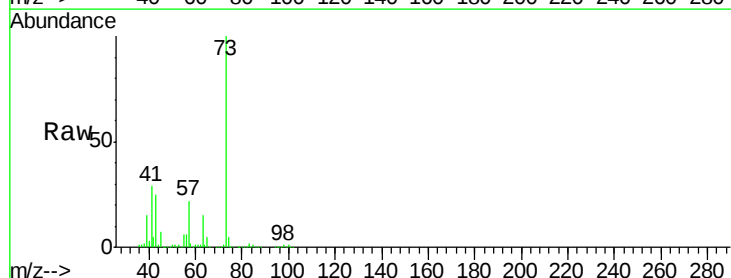
Acq: 13 Jun 2019 18:02

Tgt Ion: 73 Resp: 1741135

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.2	25.8

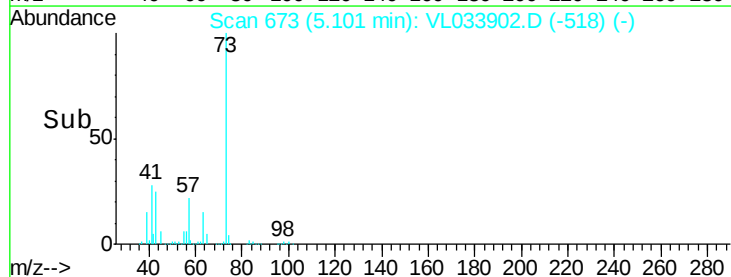
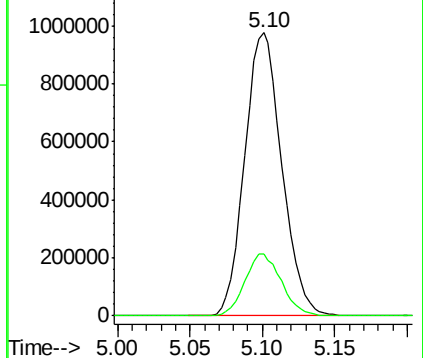
73 100

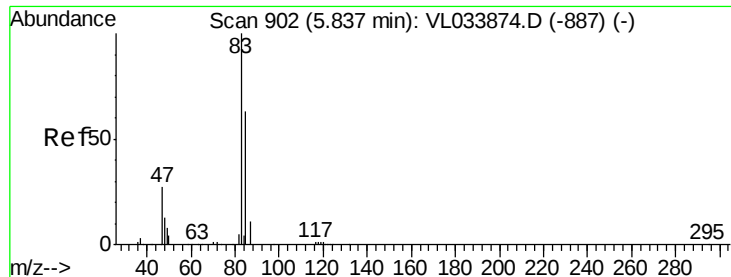
57 21.8 17.2 25.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

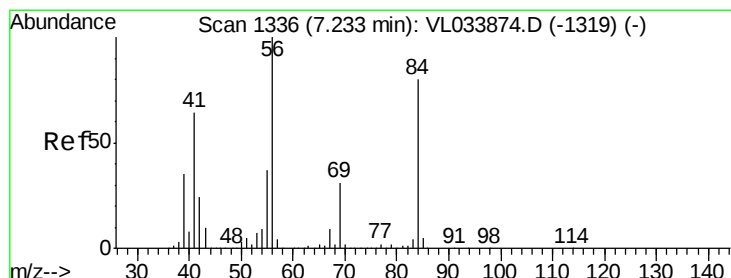
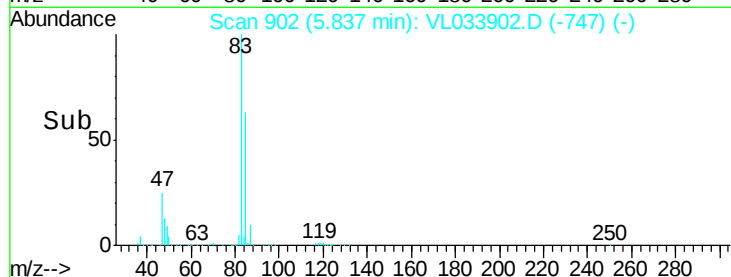
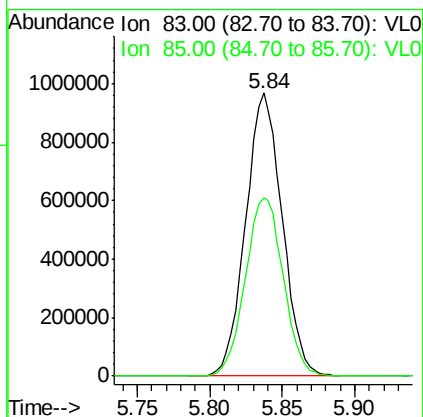
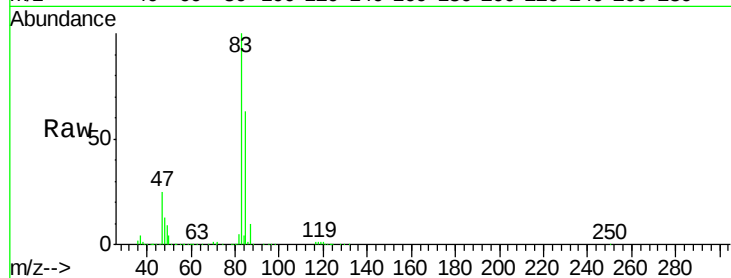




#29
Chloroform
Concen: 10.502 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

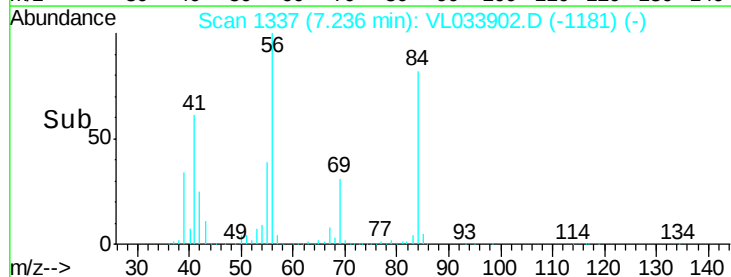
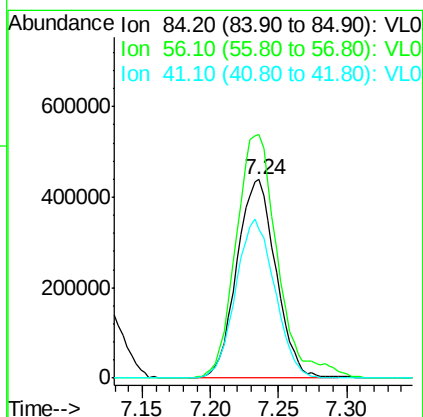
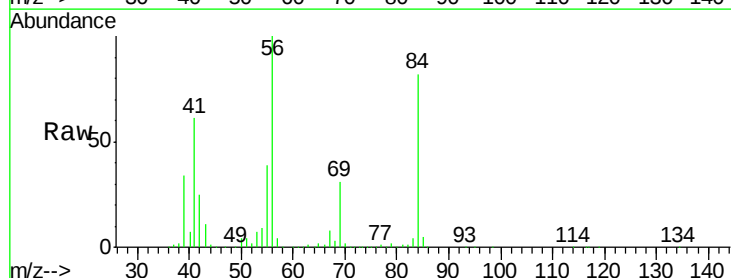
Instrument :
MSVOA_L
ClientSampled :

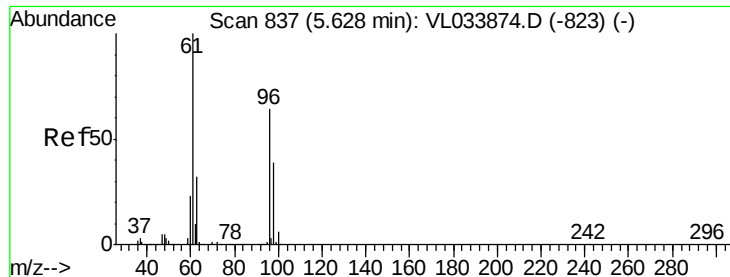
Tot Ion: 83 Resp: 1699907
Ion Ratio Lower Upper
83 100
85 62.8 50.5 75.7



#30
Cyclohexane
Concen: 13.085 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

Tgt Ion: 84 Resp: 873772
Ion Ratio Lower Upper
84 100
56 131.2 105.8 158.8
41 80.4 65.7 98.5



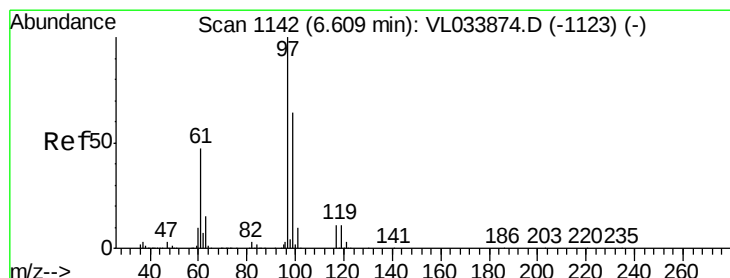
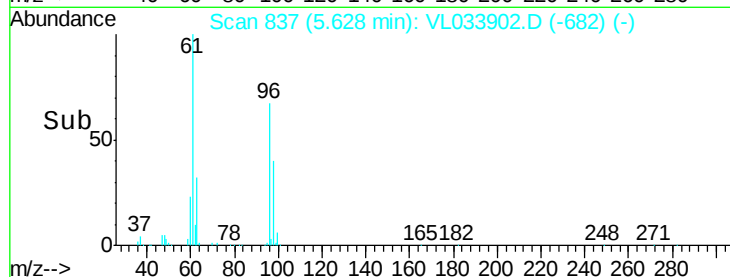
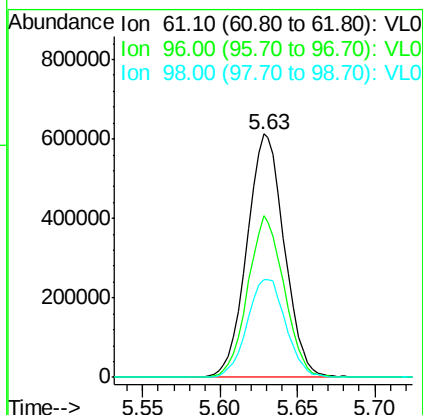
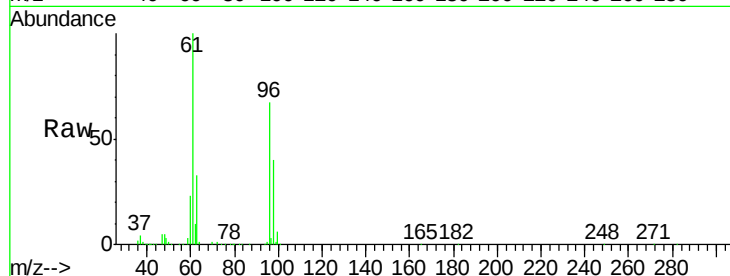


#31

cis-1,2-Dichloroethene
 Concen: 12.431 ppbv
 RT: 5.63 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Instrument :
 MSVOA_L
 ClientSampled :

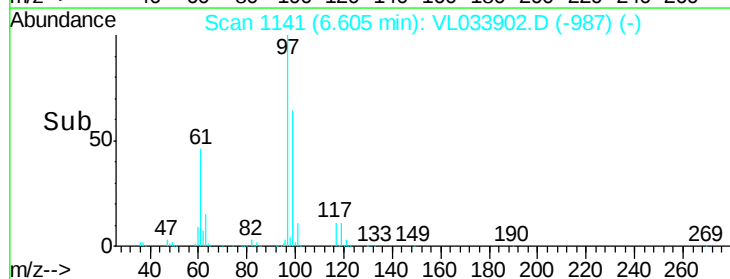
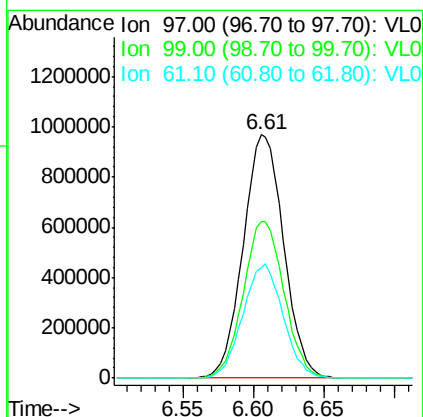
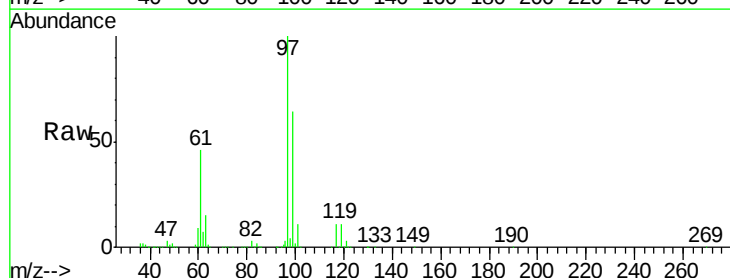
Tot Ion: 61 Resp: 1030260
 Ion Ratio Lower Upper
 61 100
 96 66.6 50.9 76.3
 98 40.1 31.4 47.2

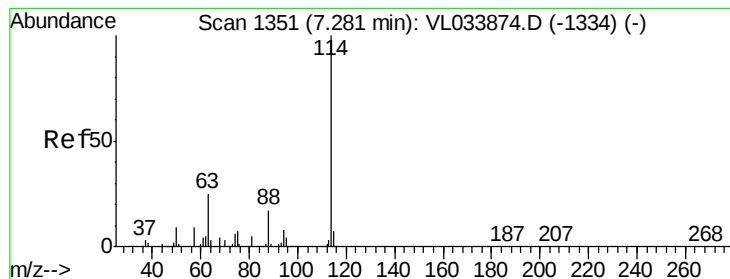


#32

1,1,1-Trichloroethane
 Concen: 12.453 ppbv
 RT: 6.61 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Tgt Ion: 97 Resp: 1944489
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.7 77.5
 61 46.8 37.7 56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

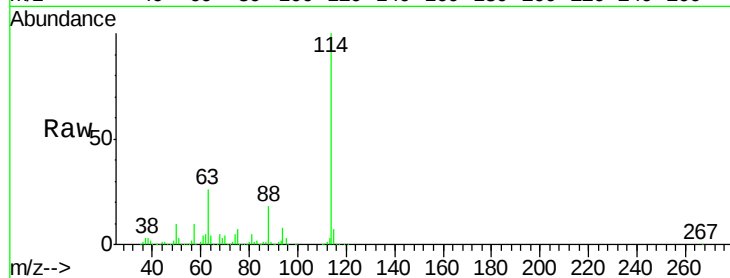
Tot Ion:114 Resp: 2335102

Ion Ratio Lower Upper

114 100

63 26.3 21.1 31.7

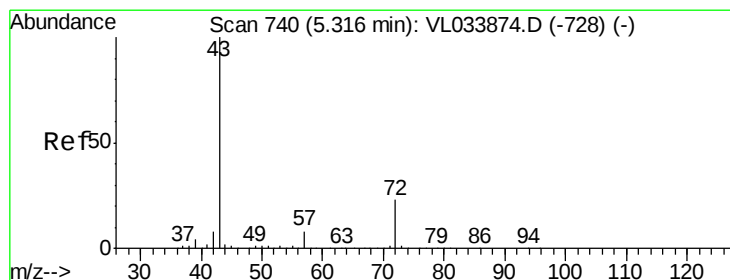
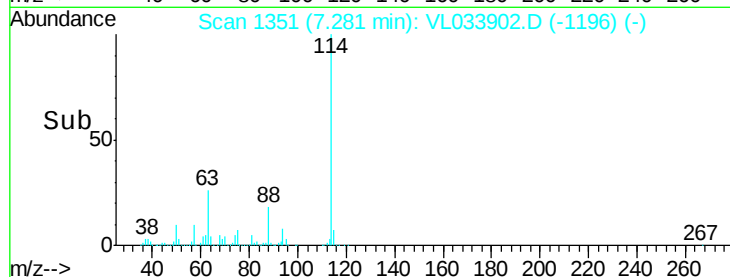
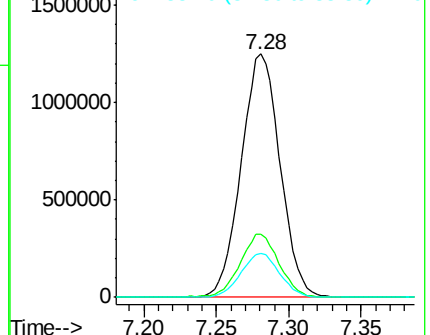
88 18.0 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.964 ppbv

RT: 5.32 min Scan# 740

Delta R.T. -0.00 min

Lab File: VL033902.D

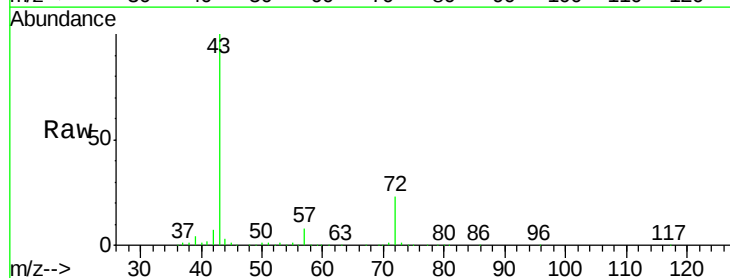
Acq: 13 Jun 2019 18:02

Tgt Ion: 43 Resp: 1444292

Ion Ratio Lower Upper

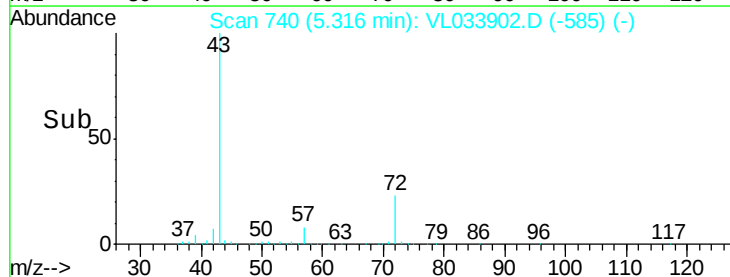
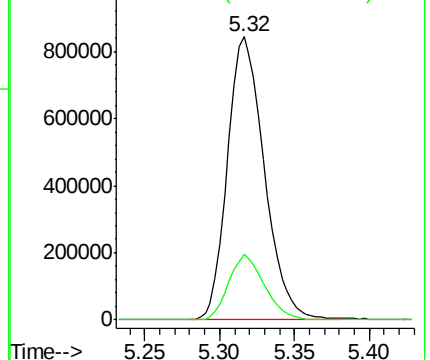
43 100

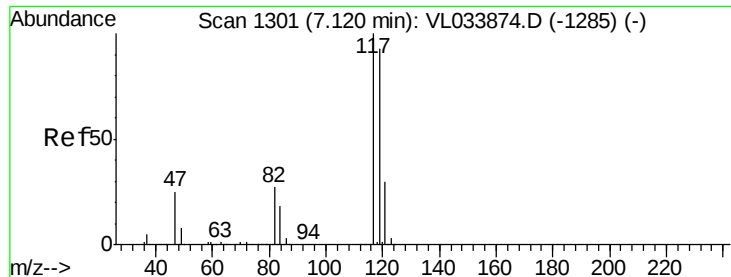
72 22.7 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.926 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

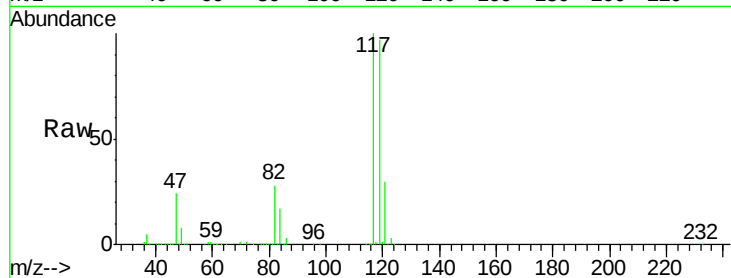
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 1971148

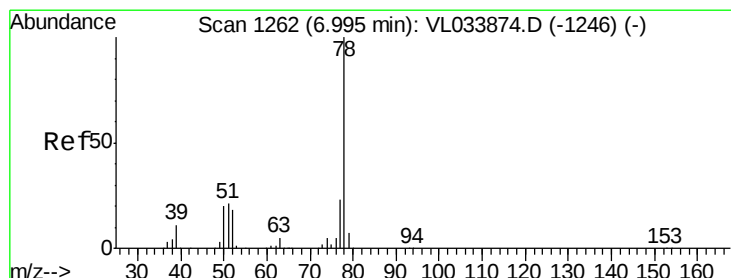
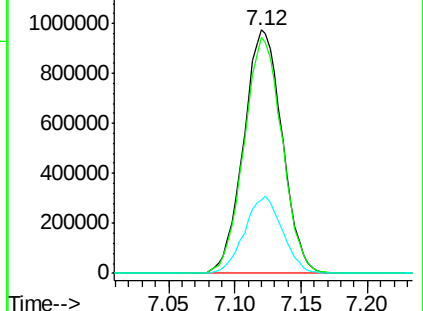
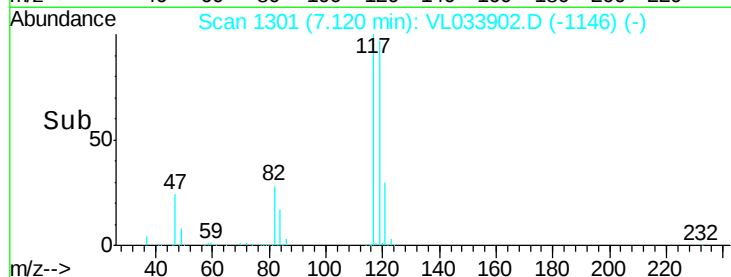
Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.6	111.8
121	30.3	24.0	36.0



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: 11.886 ppbv

RT: 6.99 min Scan# 1261

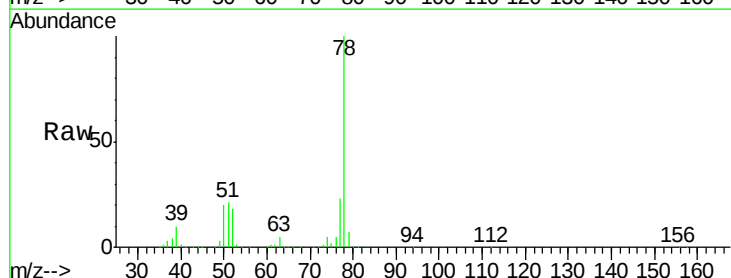
Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Tgt Ion: 78 Resp: 2120088

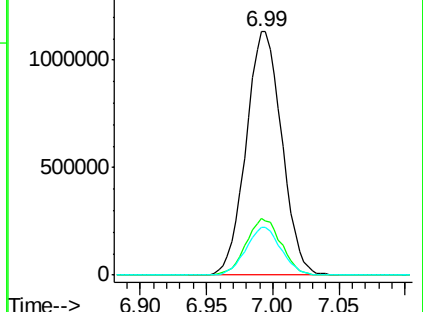
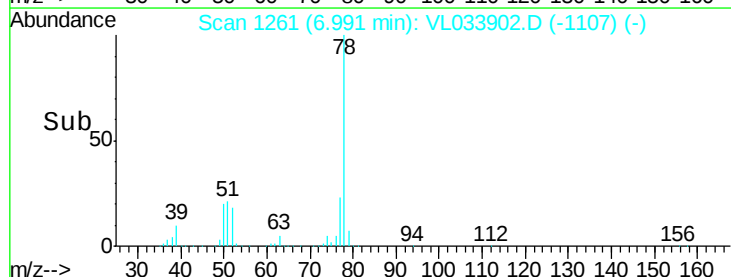
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2
50	19.7	15.9	23.9

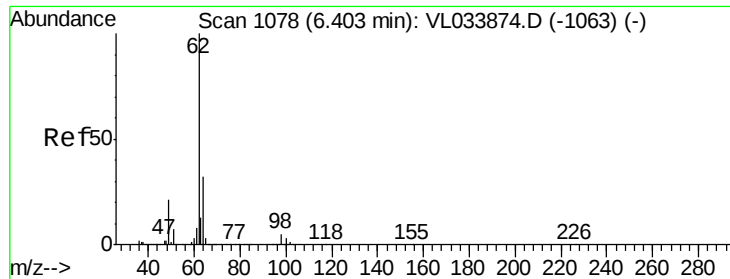


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

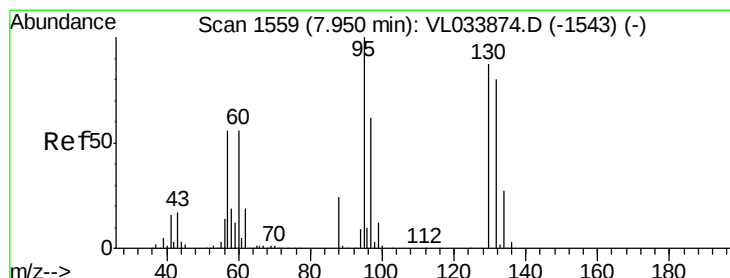
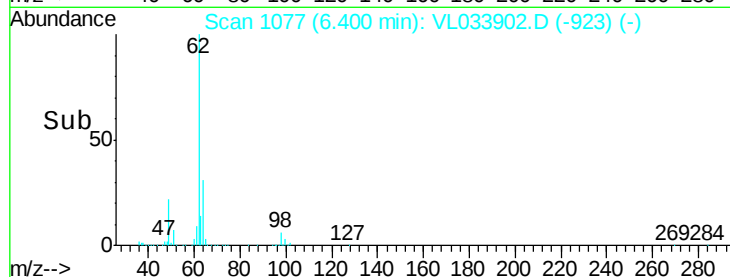
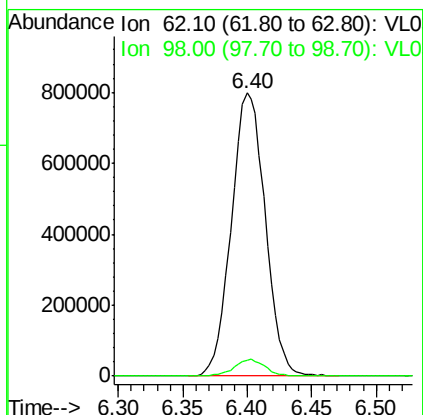
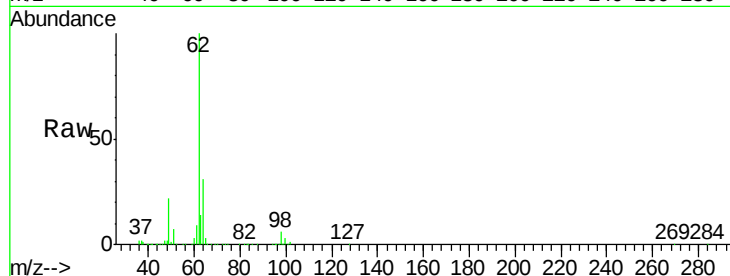




#37
 1,2-Dichloroethane
 Concen: 11.054 ppbv
 RT: 6.40 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

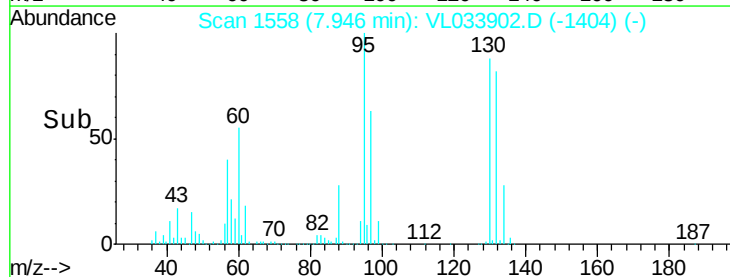
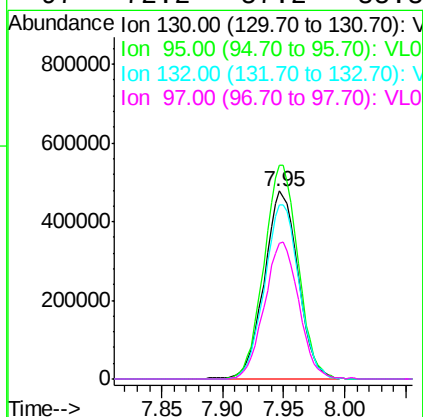
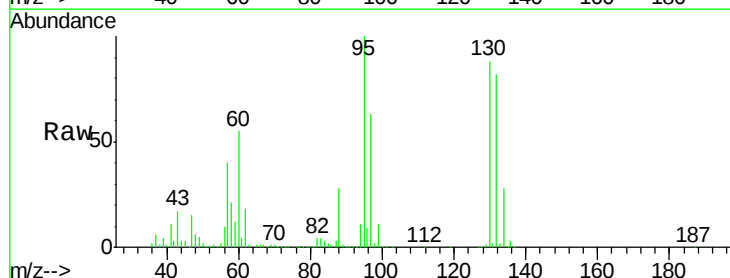
Instrument :
 MSVOA_L
 ClientSampleId :

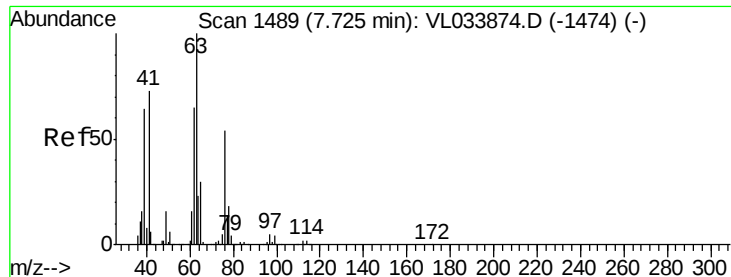
Tot Ion: 62 Resp: 1458230
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.0 6.0



#38
 Trichloroethene
 Concen: 13.322 ppbv
 RT: 7.95 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Tgt Ion:130 Resp: 925239
 Ion Ratio Lower Upper
 130 100
 95 113.6 92.0 138.0
 132 92.8 73.8 110.8
 97 72.2 57.2 85.8





#39

1,2-Dichloropropane

Concen: 11.753 ppbv

RT: 7.72 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

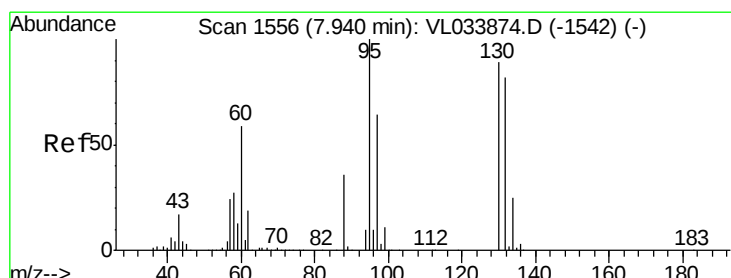
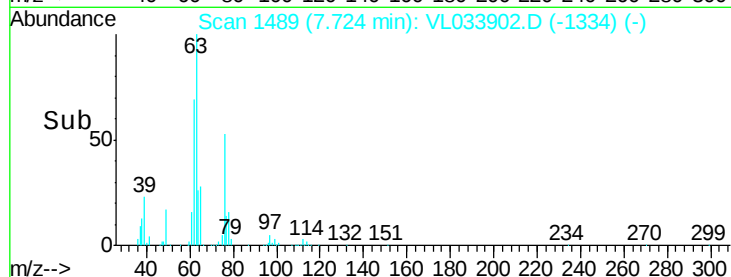
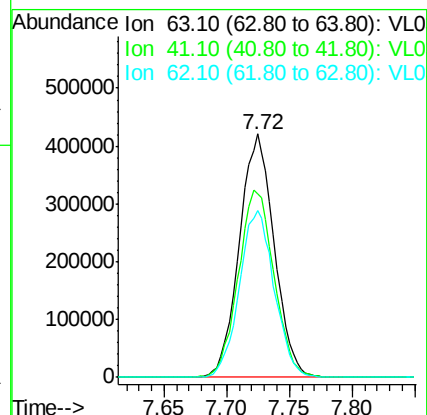
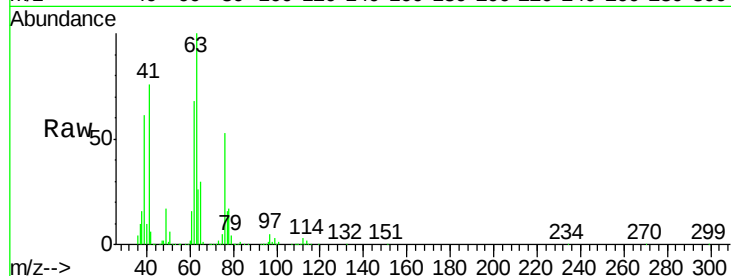
Tot Ion: 63 Resp: 809122

Ion Ratio Lower Upper

63 100

41 75.5 58.7 88.1

62 68.5 51.9 77.9



#40

1,4-Dioxane

Concen: 13.367 ppbv

RT: 7.94 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Tgt Ion: 88 Resp: 375333

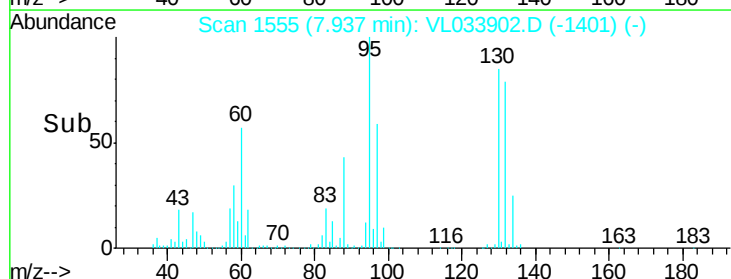
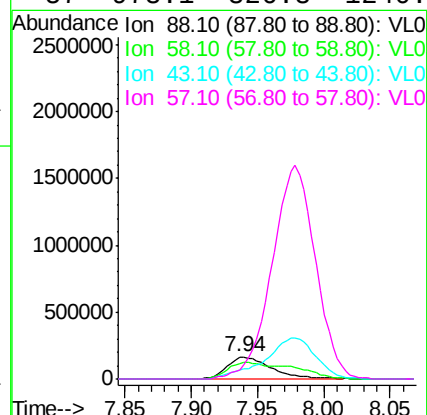
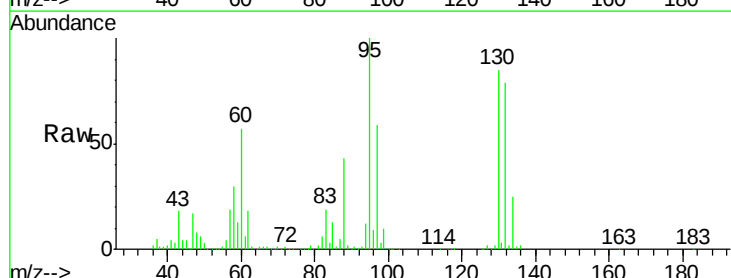
Ion Ratio Lower Upper

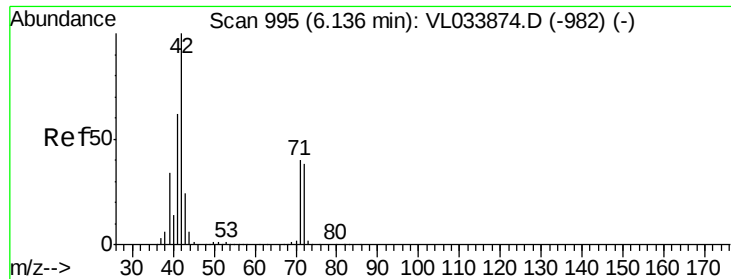
88 100

58 117.1 100.0 150.0

43 220.9 184.7 277.1

57 978.1 826.8 1240.2





#41

Tetrahydrofuran

Concen: 13.235 ppbv

RT: 6.13 min Scan# 994

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :
MSVOA_L
ClientSampleId :

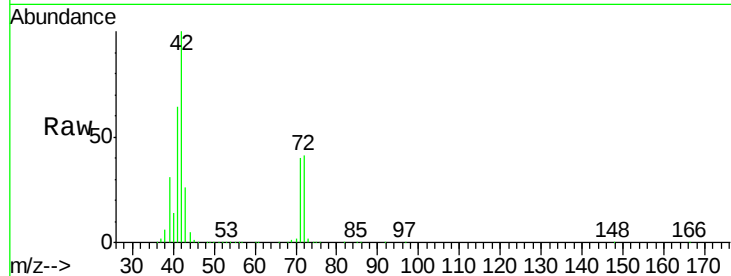
Tot Ion: 42 Resp: 884959

Ion Ratio Lower Upper

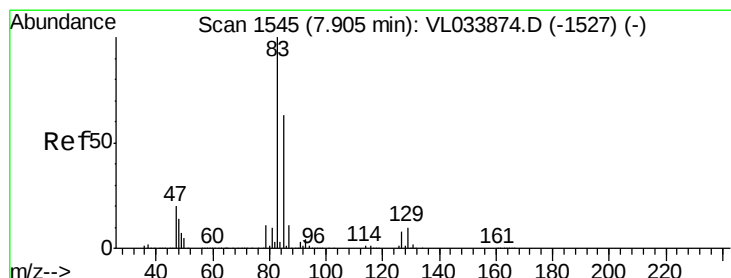
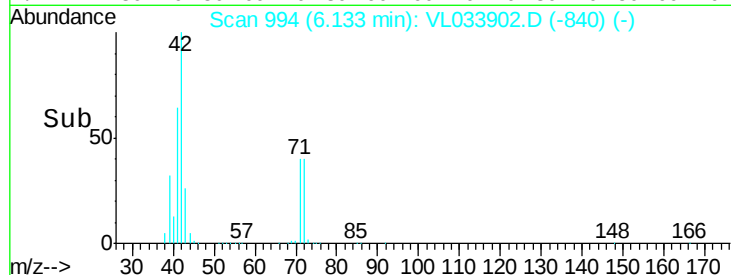
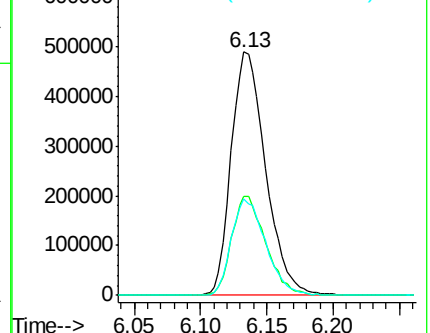
42 100

72 40.2 32.2 48.4

71 39.5 31.7 47.5



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: 11.509 ppbv

RT: 7.90 min Scan# 1545

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

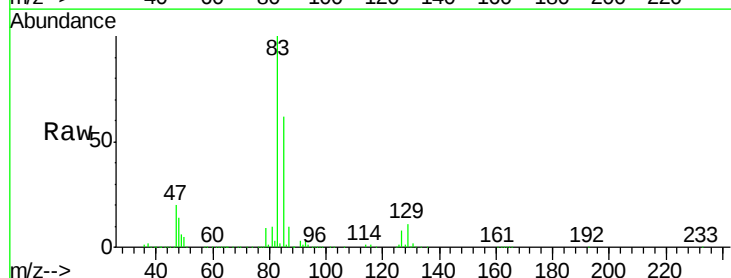
Tgt Ion: 83 Resp: 2028885

Ion Ratio Lower Upper

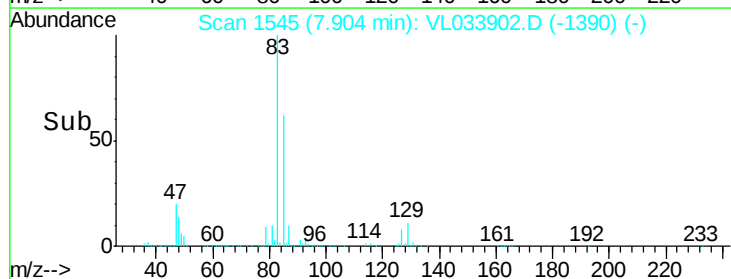
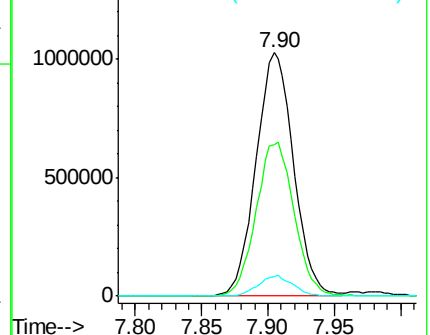
83 100

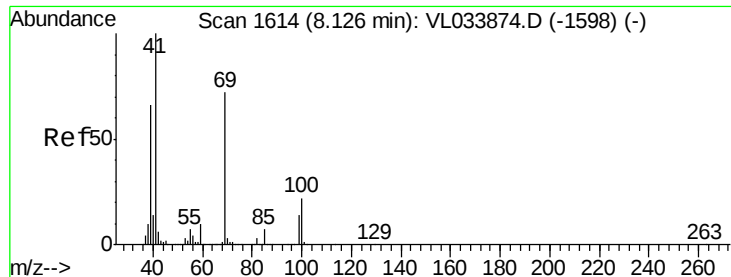
85 62.1 50.2 75.2

127 8.2 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

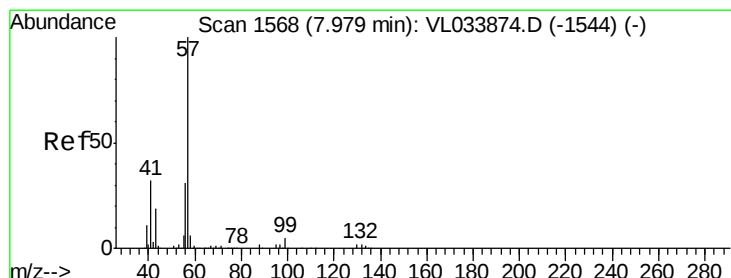
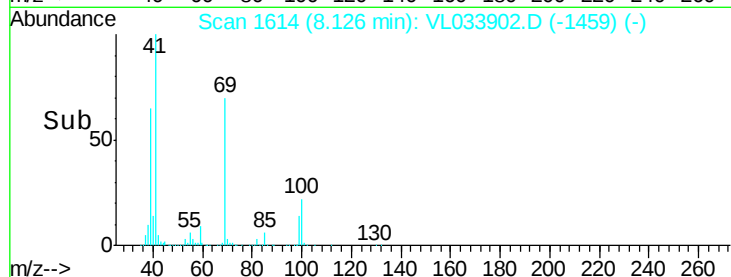
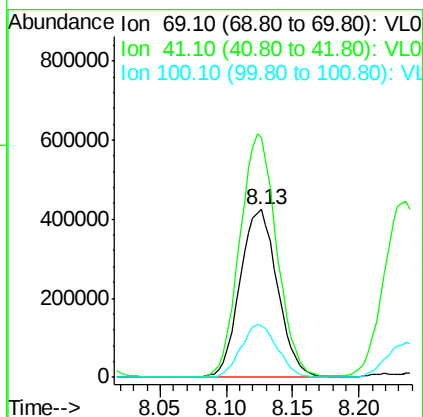
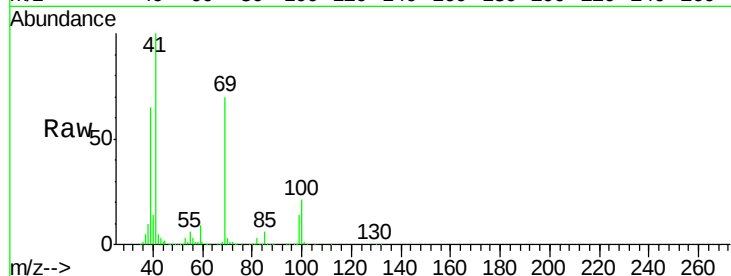




#43
Methvl Methacrylate
Concen: 12.481 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

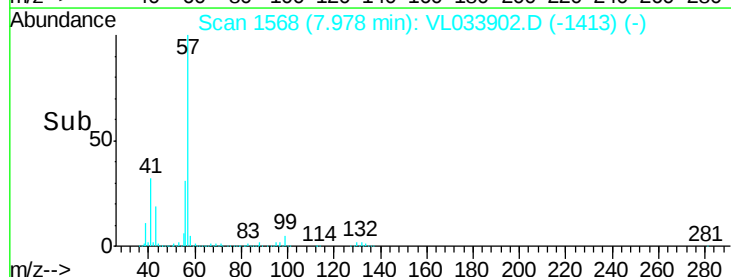
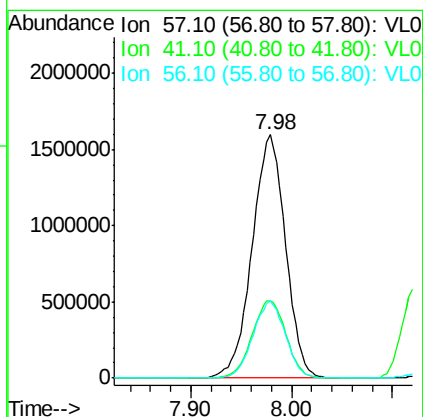
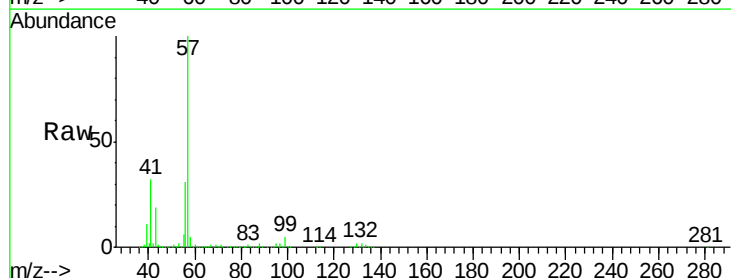
Instrument :
MSVOA_L
ClientSampleId :

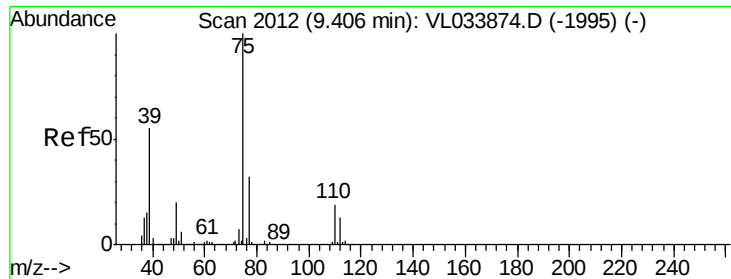
Tot Ion: 69 Resp: 832644
Ion Ratio Lower Upper
69 100
41 142.8 114.3 171.5
100 30.7 24.8 37.2



#44
2,2,4-Trimethylpentane
Concen: 11.562 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

Tgt Ion: 57 Resp: 3667677
Ion Ratio Lower Upper
57 100
41 32.2 26.1 39.1
56 30.7 24.6 36.8

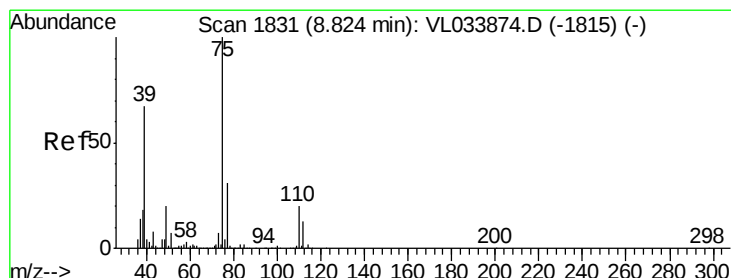
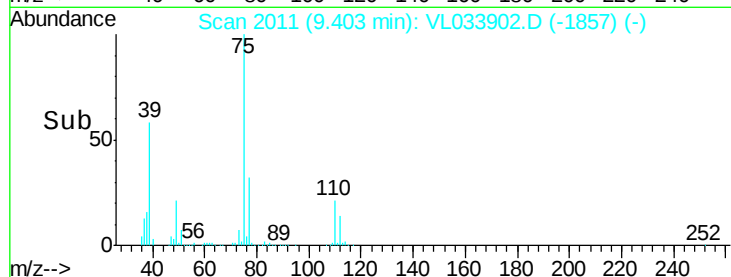
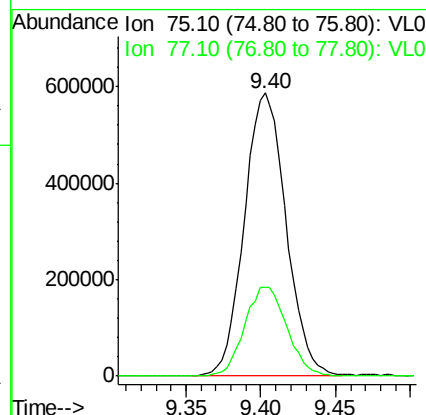
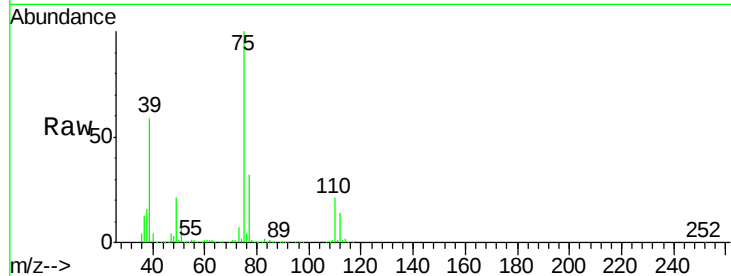




#45
t-1,3-Dichloropropene
Concen: 13.010 ppbv
RT: 9.40 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

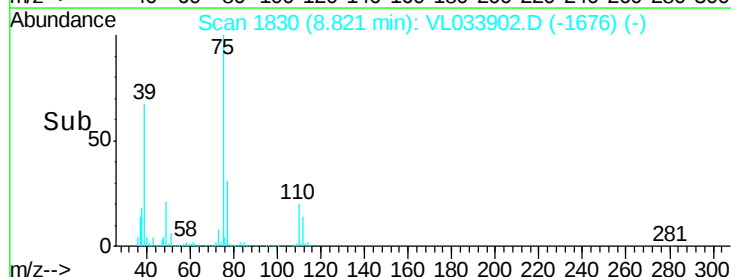
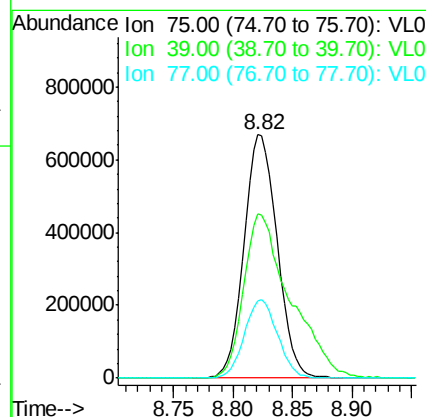
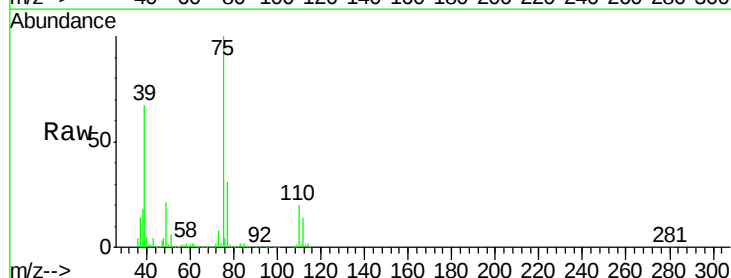
Instrument :
MSVOA_L
ClientSampleId :

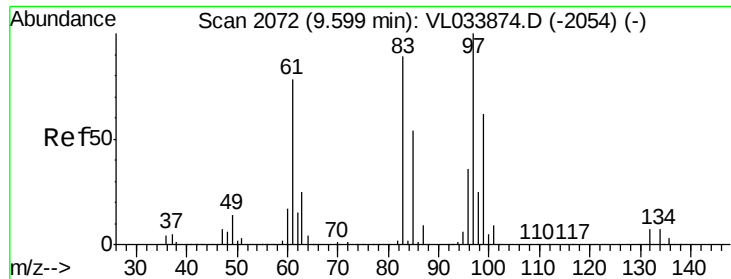
Tot Ion: 75 Resp: 1138852
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2



#46
cis-1,3-Dichloropropene
Concen: 12.872 ppbv
RT: 8.82 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

Tgt Ion: 75 Resp: 1290945
Ion Ratio Lower Upper
75 100
39 67.3 53.8 80.8
77 31.5 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 10.542 ppbv

RT: 9.60 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 865194

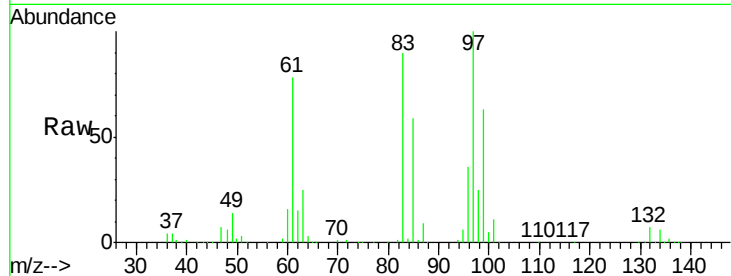
Ion Ratio Lower Upper

97 100

83 89.9 70.9 106.3

85 58.7 43.0 64.6

99 63.1 49.3 73.9

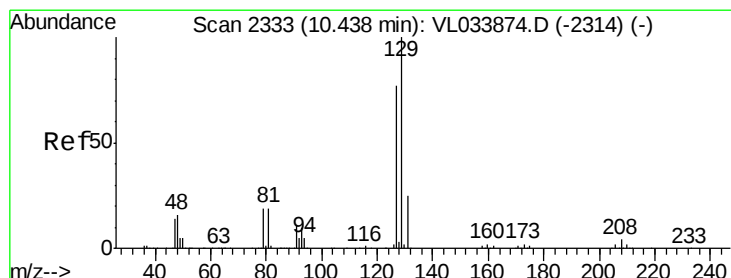
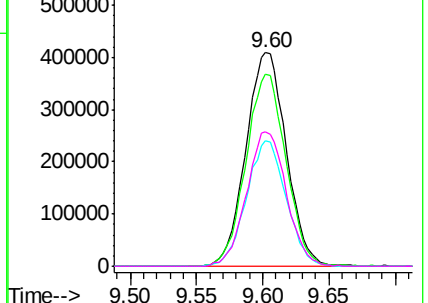
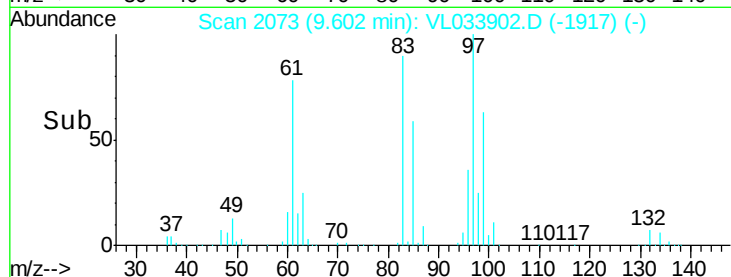


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.187 ppbv

RT: 10.44 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VL033902.D

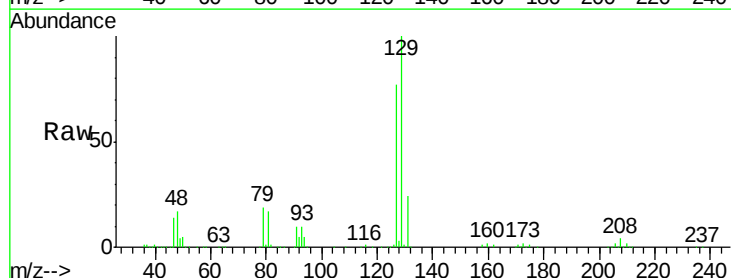
Acq: 13 Jun 2019 18:02

Tgt Ion:129 Resp: 1649959

Ion Ratio Lower Upper

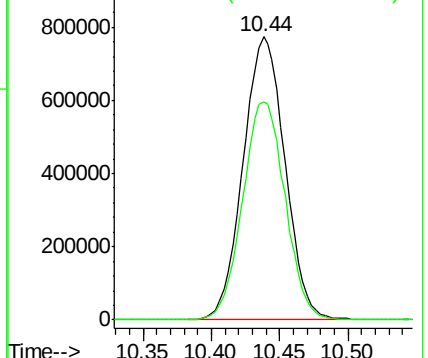
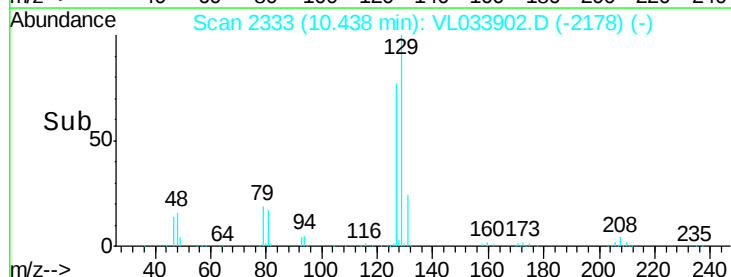
129 100

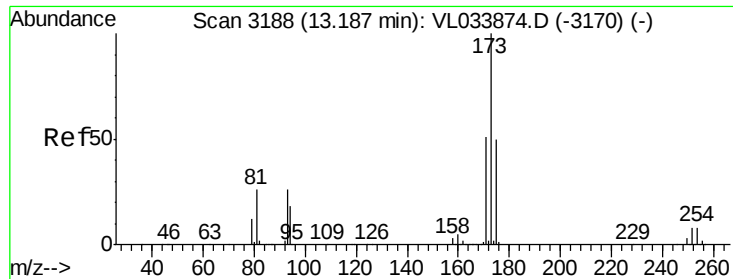
127 78.3 38.6 115.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.368 ppbv

RT: 13.19 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

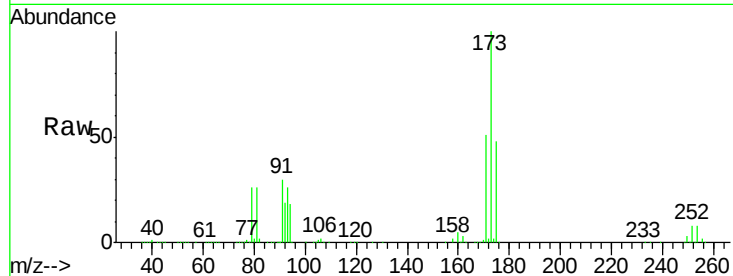
Tot Ion:173 Resp: 1480111

Ion Ratio Lower Upper

173 100

175 48.6 39.6 59.4

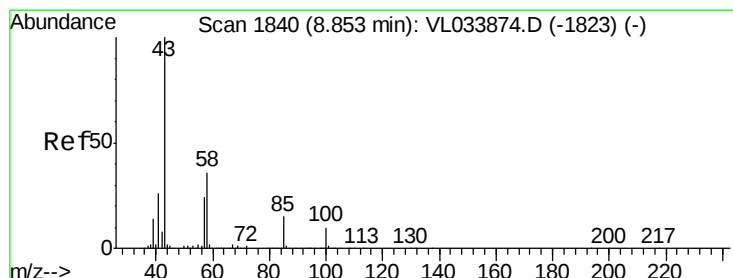
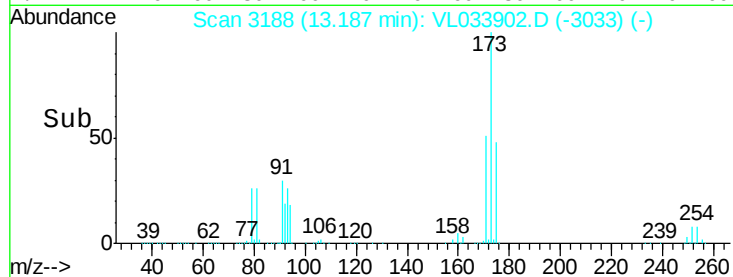
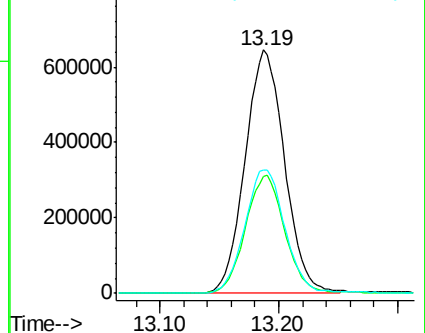
171 52.2 41.8 62.8



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: 11.302 ppbv

RT: 8.85 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VL033902.D

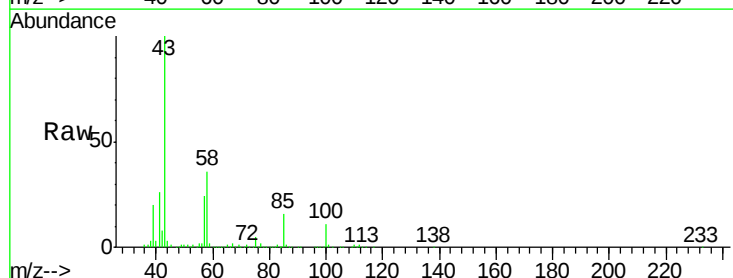
Acq: 13 Jun 2019 18:02

Tgt Ion: 43 Resp: 2220034

Ion Ratio Lower Upper

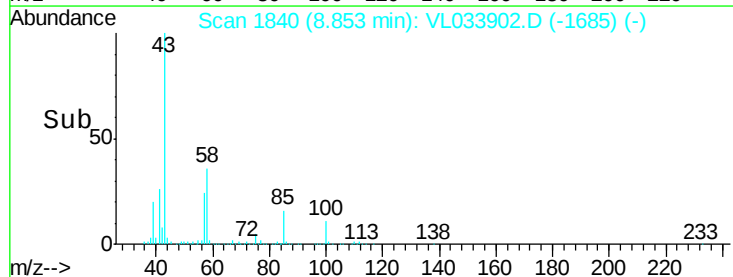
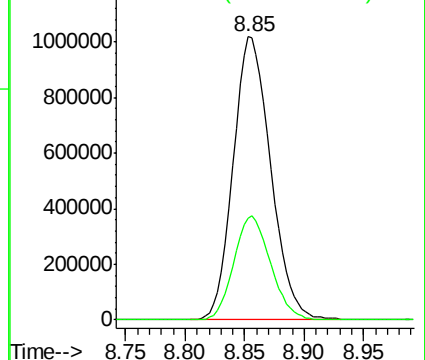
43 100

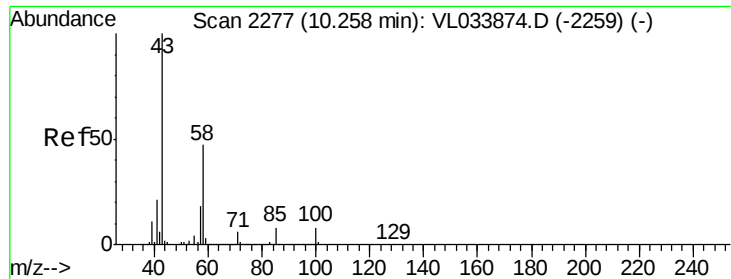
58 36.1 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

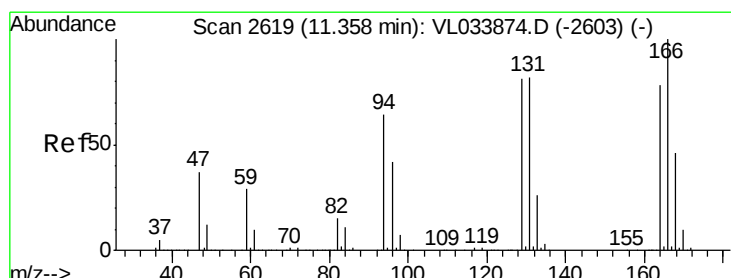
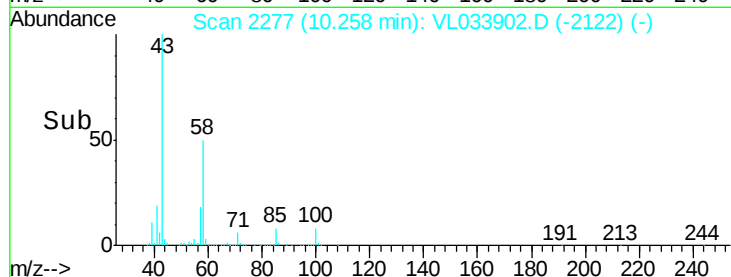
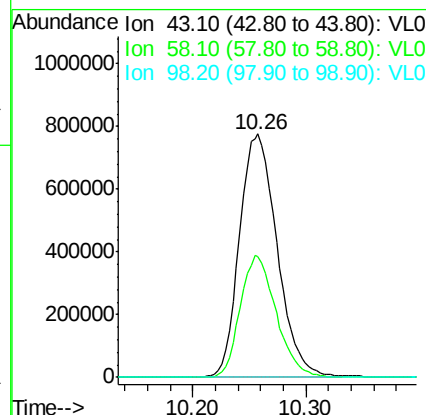
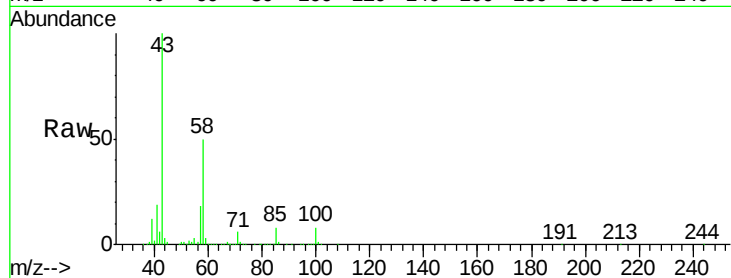




#51
2-Hexanone
Concen: 11.711 ppbv
RT: 10.26 min Scan# 2277
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

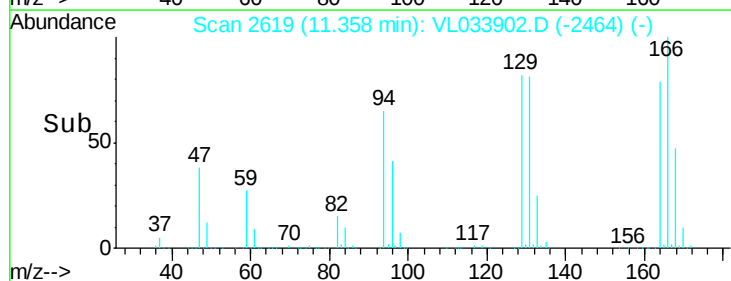
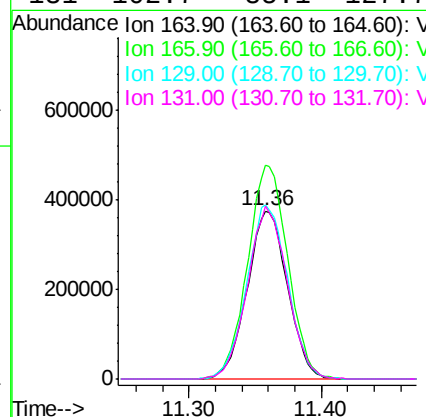
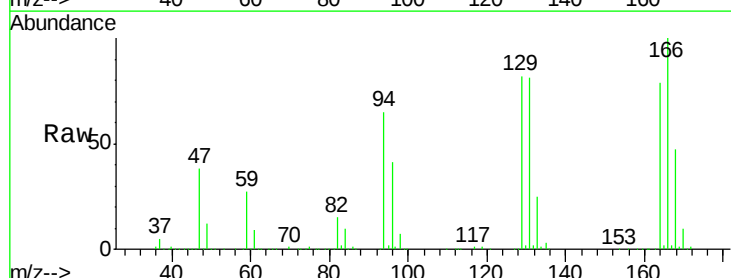
Instrument :
MSVOA_L
ClientSampled :

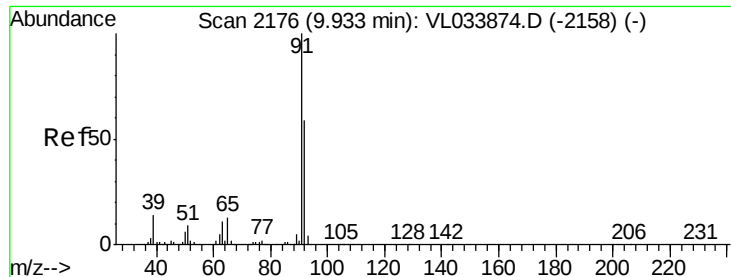
Tot Ion: 43 Resp: 1796517
Ion Ratio Lower Upper
43 100
58 48.1 38.2 57.4
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 12.574 ppbv
RT: 11.36 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

Tgt Ion: 164 Resp: 789209
Ion Ratio Lower Upper
164 100
166 127.0 103.1 154.7
129 103.8 83.9 125.9
131 102.7 85.1 127.7





#53

Toluene

Concen: 12.124 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

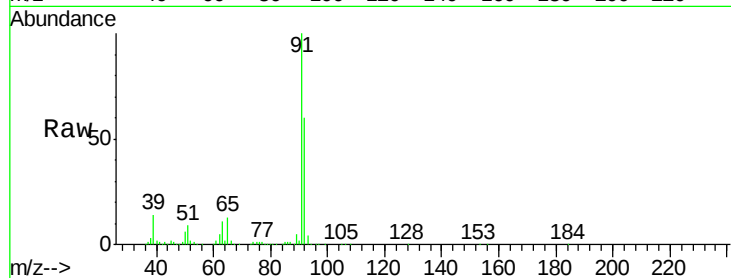
ClientSampleId :

Tot Ion: 91 Resp: 2393141

Ion Ratio Lower Upper

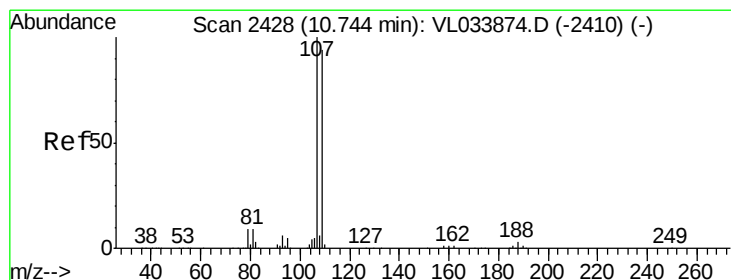
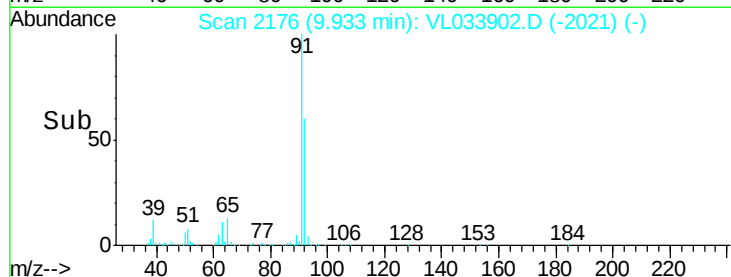
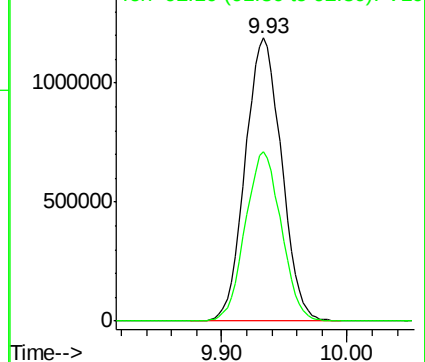
91 100

92 59.5 47.0 70.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.367 ppbv

RT: 10.75 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VL033902.D

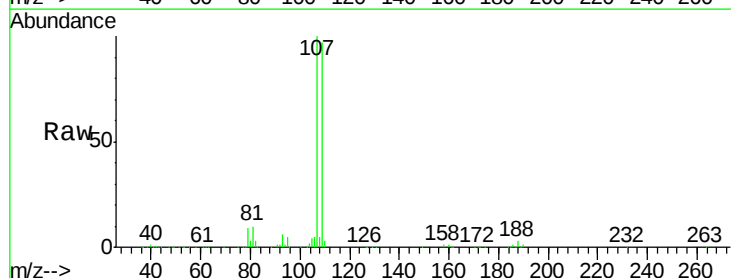
Acq: 13 Jun 2019 18:02

Tgt Ion:107 Resp: 1406317

Ion Ratio Lower Upper

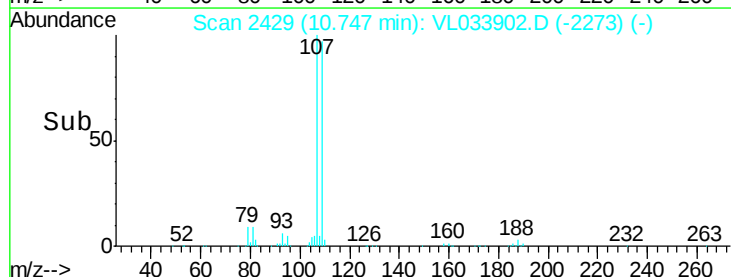
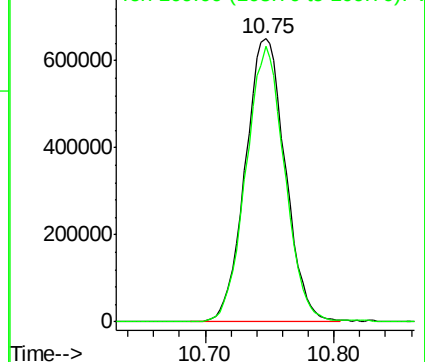
107 100

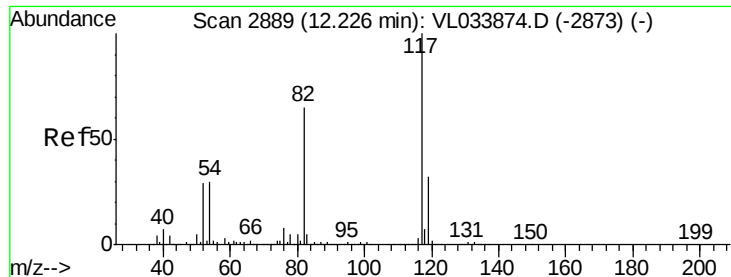
109 97.4 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

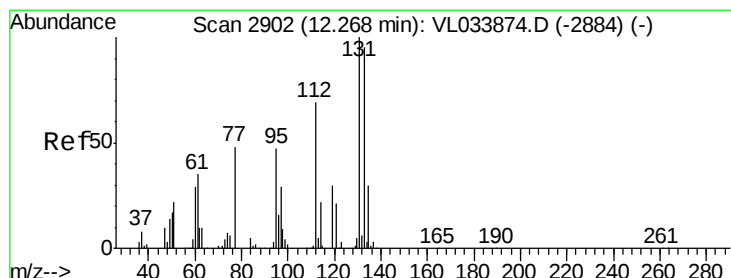
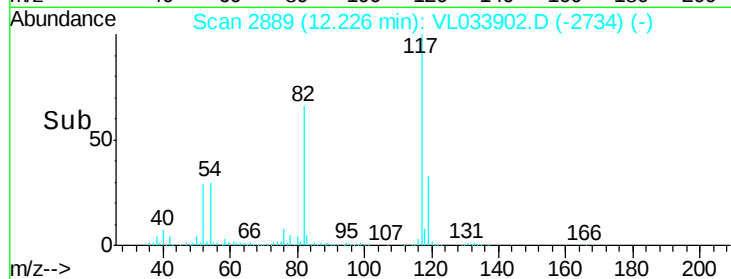
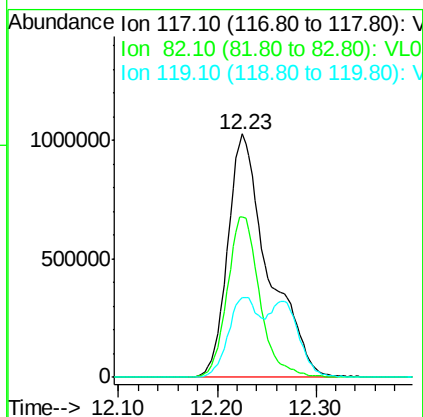
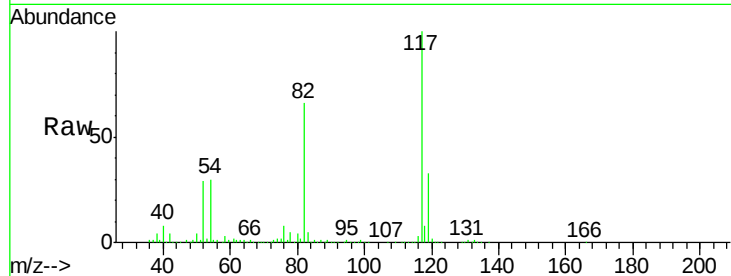




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

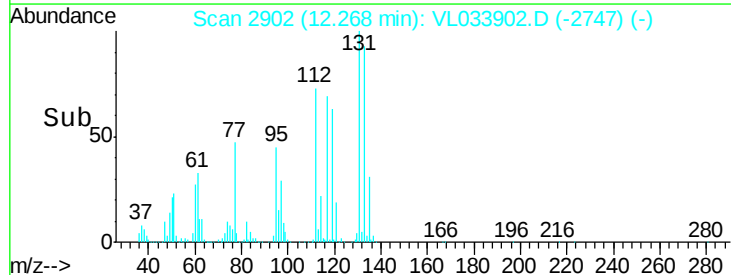
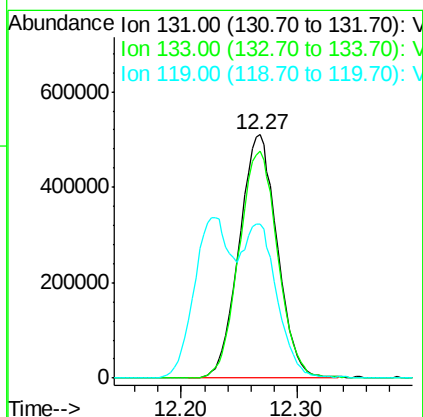
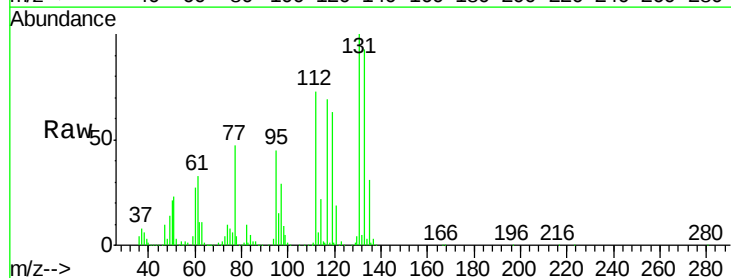
Instrument :
MSVOA_L
ClientSampled :

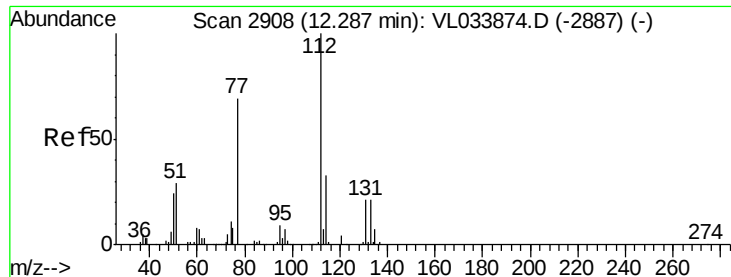
Tot Ion:117 Resp: 2951389
Ion Ratio Lower Upper
117 100
82 53.1 50.2 75.2
119 24.3 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.017 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

Tgt Ion:131 Resp: 1162509
Ion Ratio Lower Upper
131 100
133 95.6 76.5 114.7
119 65.6 42.6 64.0#





#57

Chlorobenzene

Concen: 8.974 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

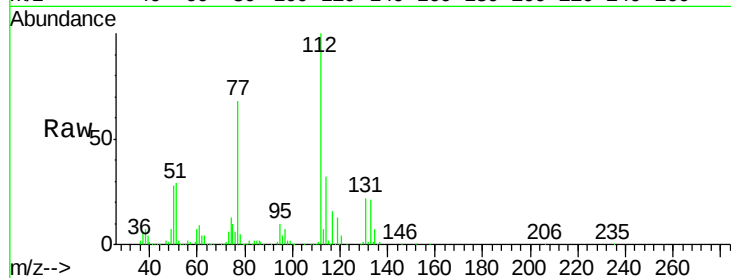
Tot Ion:112 Resp: 1983783

Ion Ratio Lower Upper

112 100

77 67.5 55.8 83.6

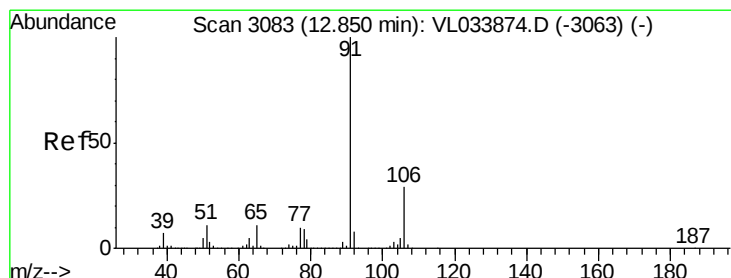
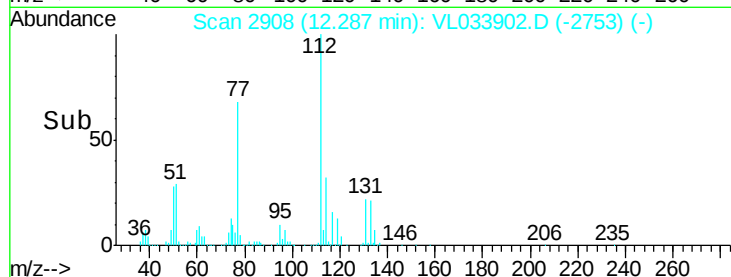
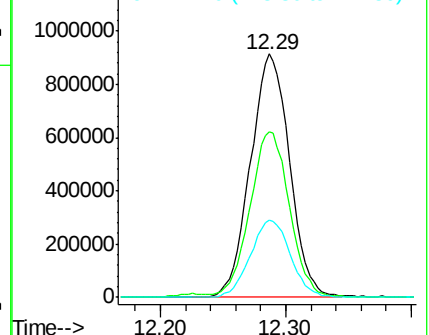
114 31.8 29.8 36.4



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: 10.373 ppbv

RT: 12.85 min Scan# 3083

Delta R.T. -0.00 min

Lab File: VL033902.D

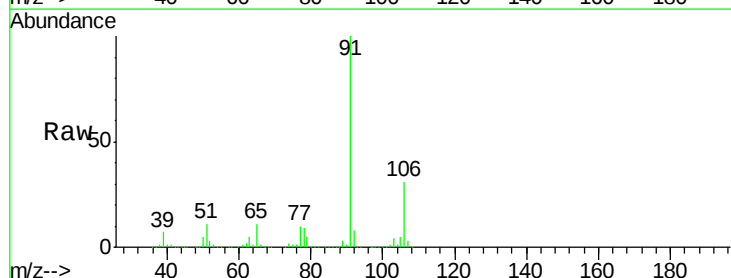
Acq: 13 Jun 2019 18:02

Tgt Ion: 91 Resp: 3451617

Ion Ratio Lower Upper

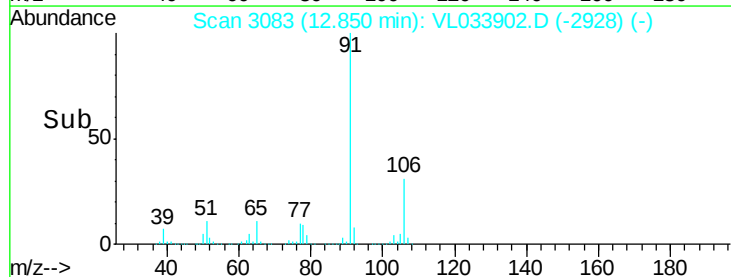
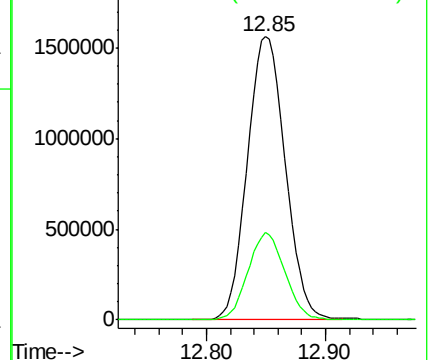
91 100

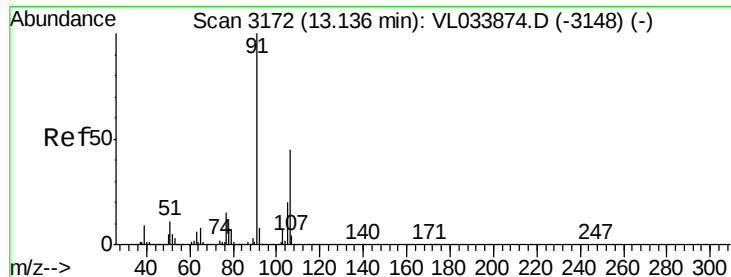
106 30.7 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.821 ppbv

RT: 13.14 min Scan# 3172

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

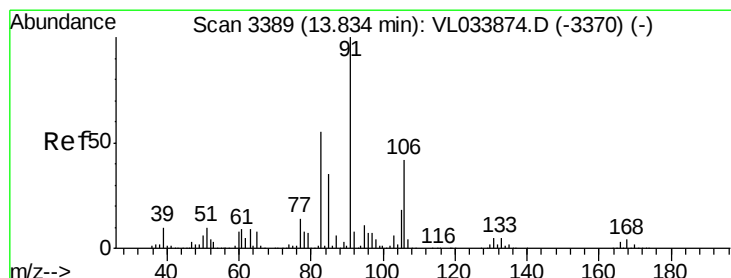
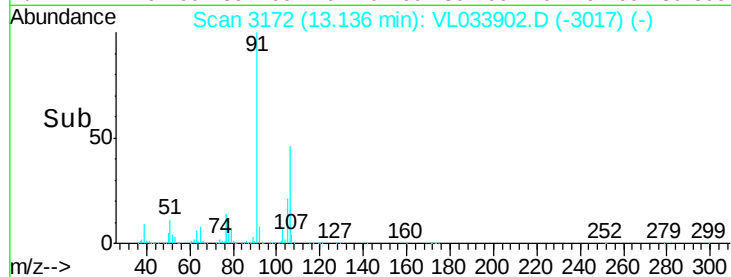
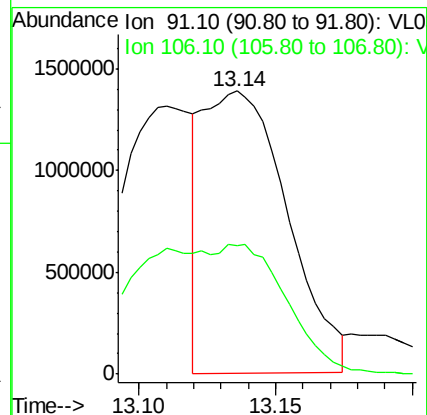
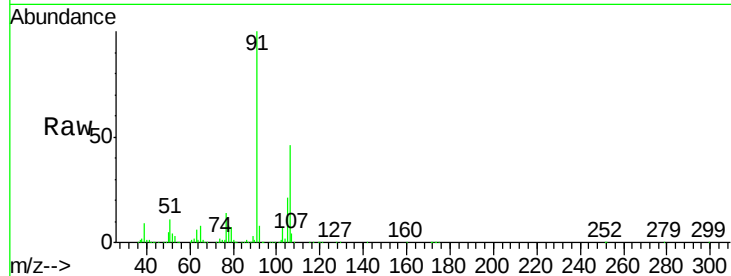
ClientSampled :

Tot Ion: 91 Resp: 2971677

Ion Ratio Lower Upper

91 100

106 84.5 35.8 53.8#



#60

o-Xylene

Concen: 8.947 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VL033902.D

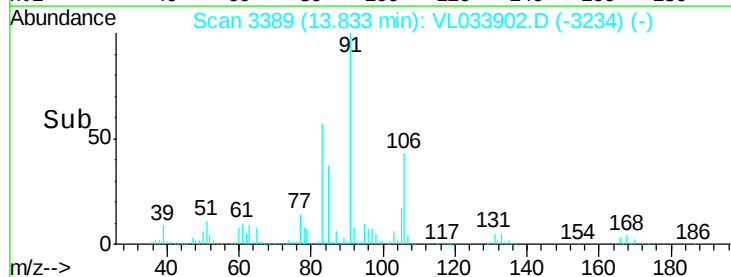
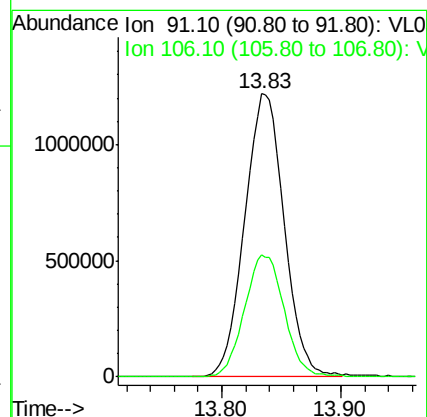
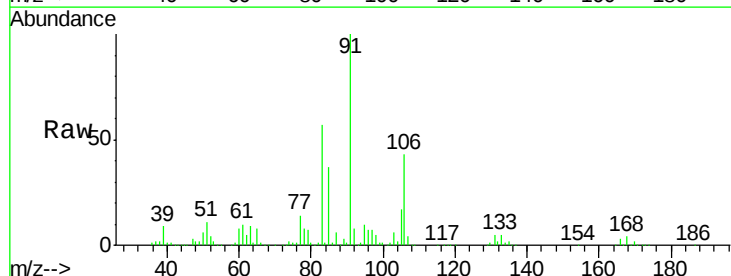
Acq: 13 Jun 2019 18:02

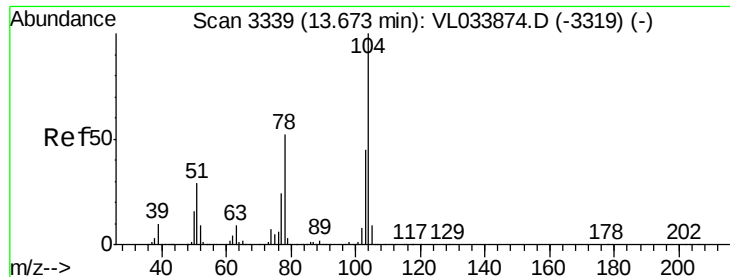
Tgt Ion: 91 Resp: 2795381

Ion Ratio Lower Upper

91 100

106 43.8 21.7 65.1





#61

Stvrene

Concen: 10.167 ppbv

RT: 13.67 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

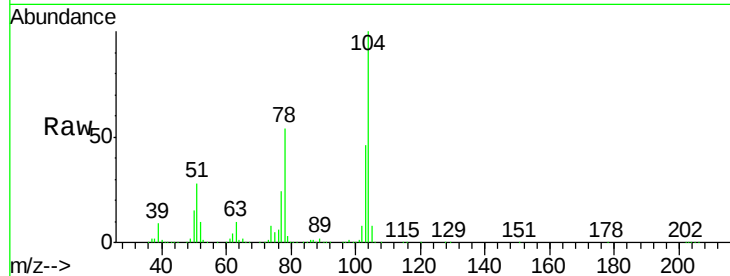
Tot Ion:104 Resp: 2055493

Ion Ratio Lower Upper

104 100

78 54.5 43.4 65.0

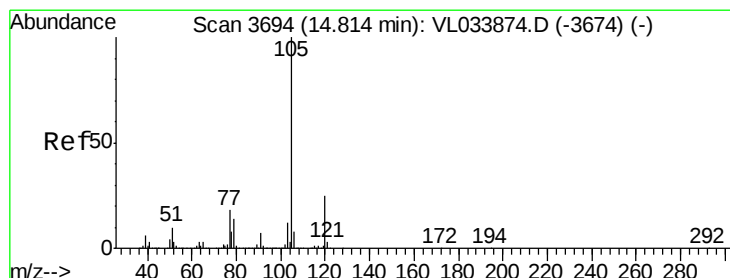
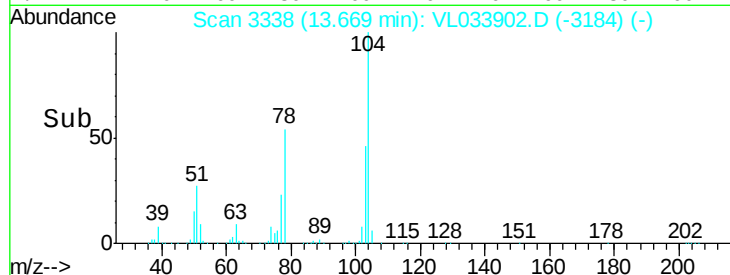
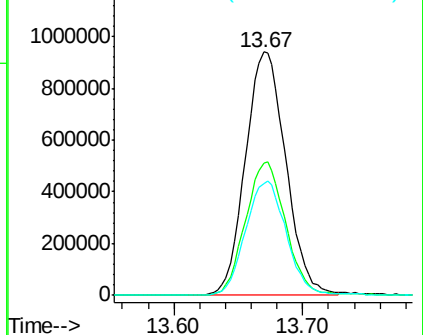
103 47.6 37.6 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.862 ppbv

RT: 14.81 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VL033902.D

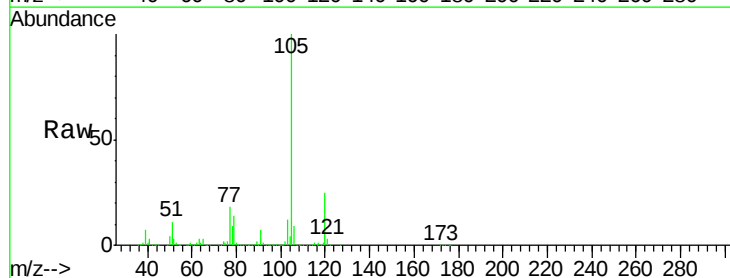
Acq: 13 Jun 2019 18:02

Tgt Ion:105 Resp: 3731605

Ion Ratio Lower Upper

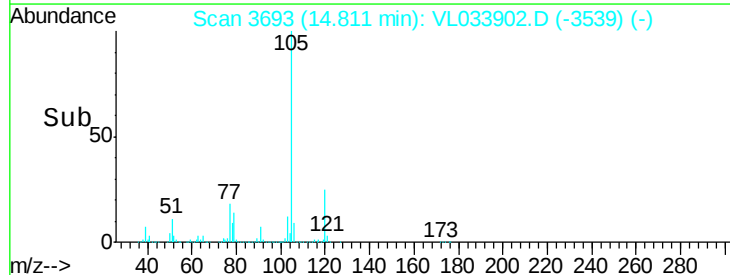
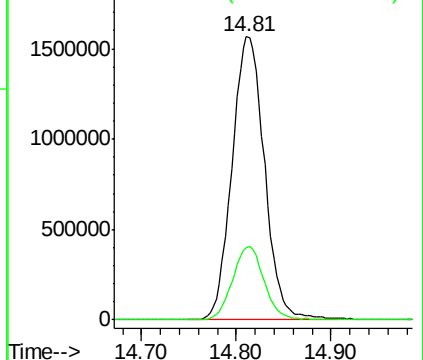
105 100

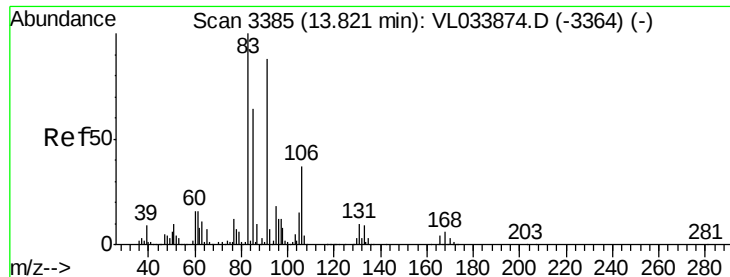
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.421 ppbv

RT: 13.82 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

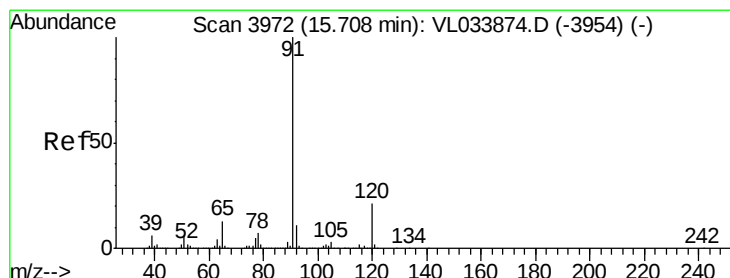
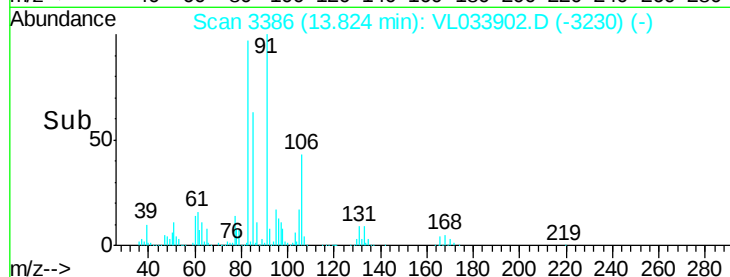
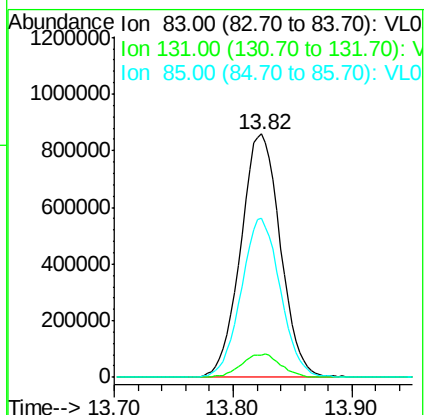
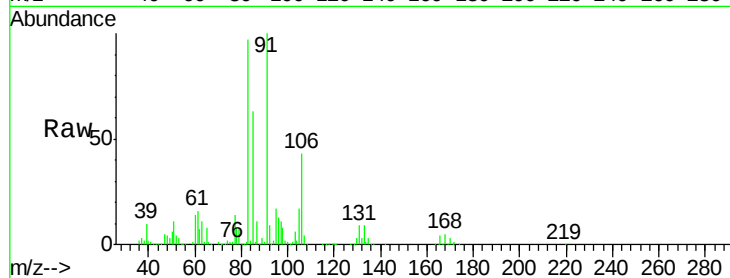
Tot Ion: 83 Resp: 1980490

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

85 64.9 32.1 96.3



#64

n-propylbenzene

Concen: 9.011 ppbv

RT: 15.71 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VL033902.D

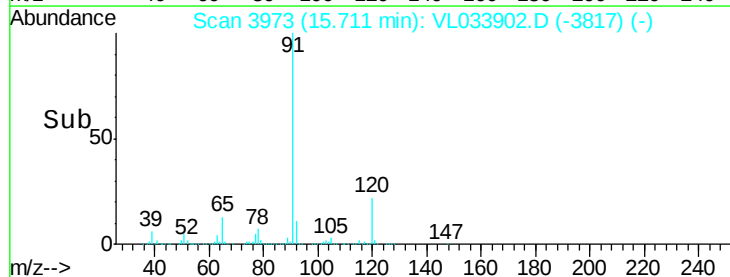
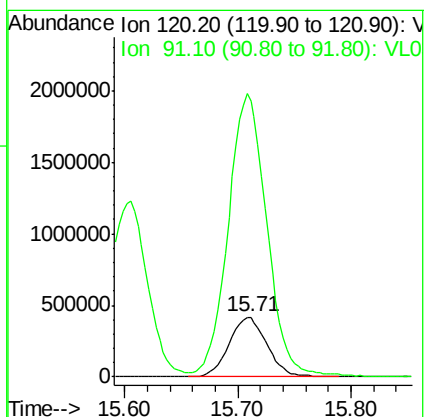
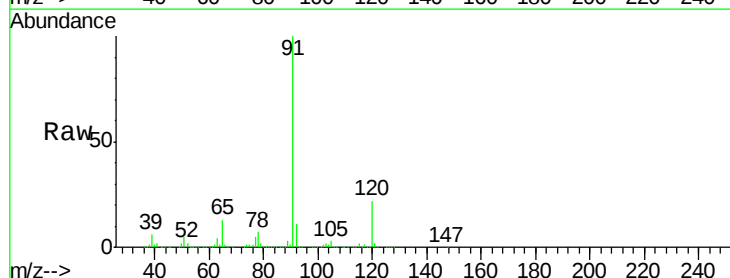
Acq: 13 Jun 2019 18:02

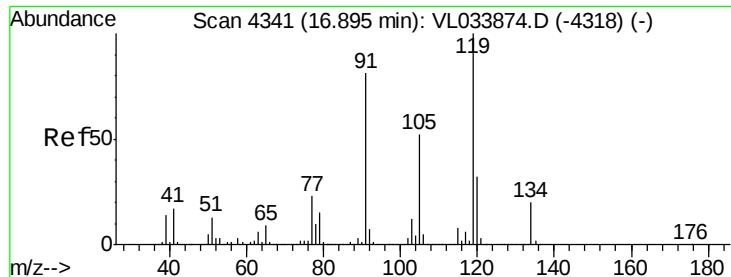
Tgt Ion:120 Resp: 971717

Ion Ratio Lower Upper

120 100

91 484.4 387.0 580.6

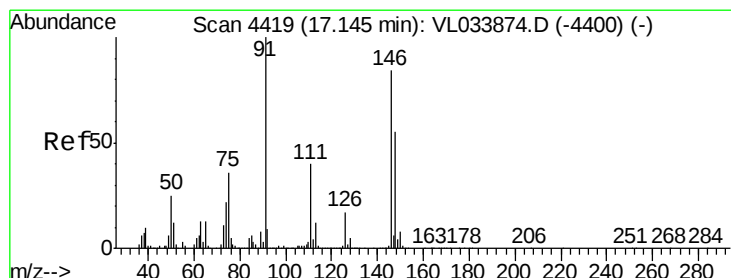
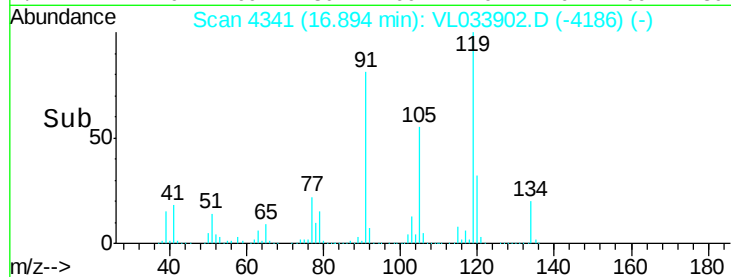
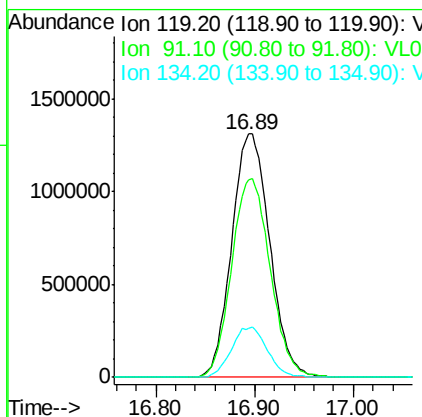
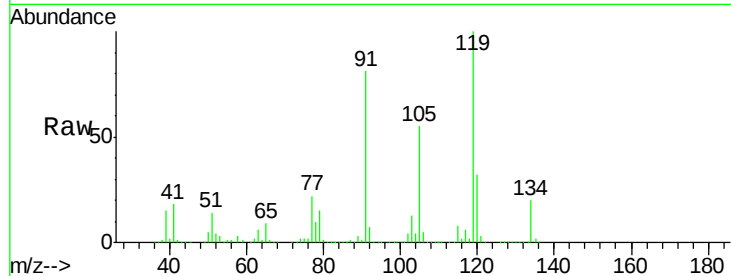




#65
 tert-Butylbenzene
 Concen: 9.034 ppbv
 RT: 16.89 min Scan# 4341
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

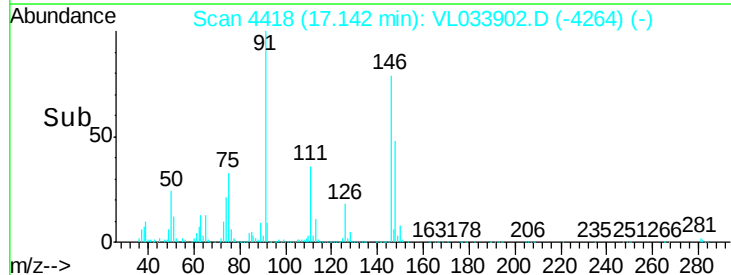
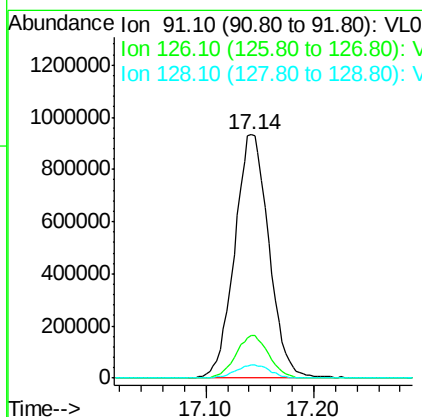
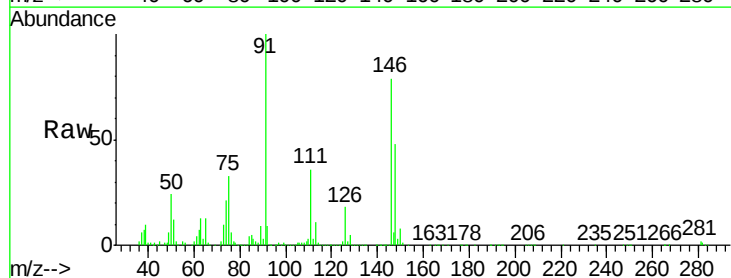
Instrument :
 MSVOA_L
 ClientSampleId :

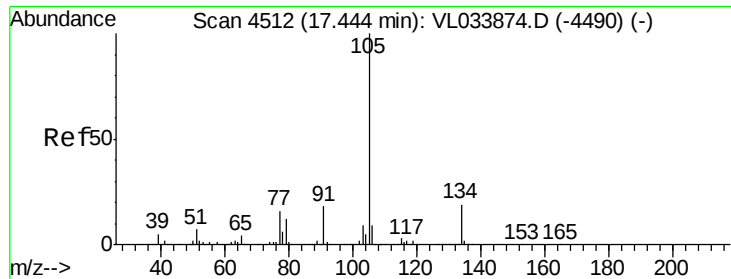
Tot Ion:119 Resp: 3520004
 Ion Ratio Lower Upper
 119 100
 91 82.9 66.6 100.0
 134 19.5 15.5 23.3



#66
 Benzyl Chloride
 Concen: 10.430 ppbv
 RT: 17.14 min Scan# 4418
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Tgt Ion: 91 Resp: 2059399
 Ion Ratio Lower Upper
 91 100
 126 17.0 13.8 20.6
 128 5.5 4.4 6.6

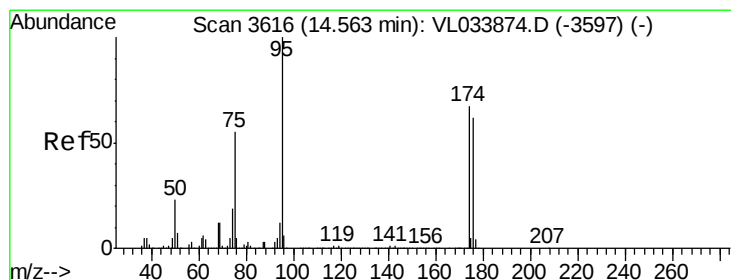
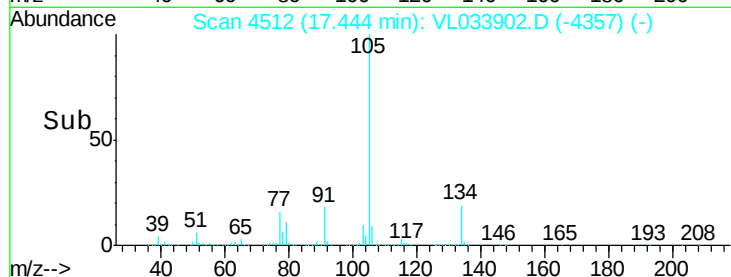
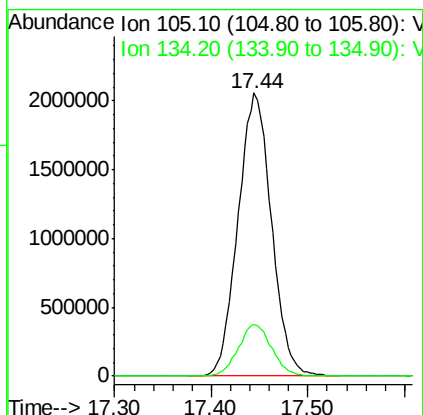
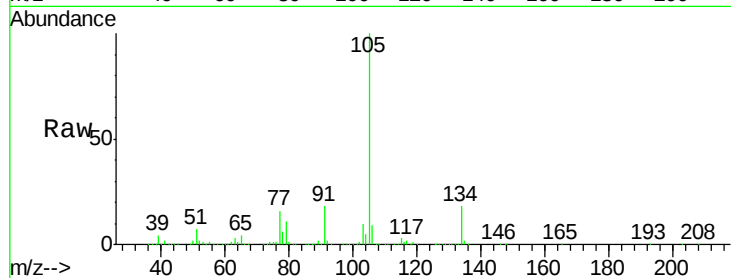




#67
 sec-Butylbenzene
 Concen: 9.045 ppbv
 RT: 17.44 min Scan# 4512
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

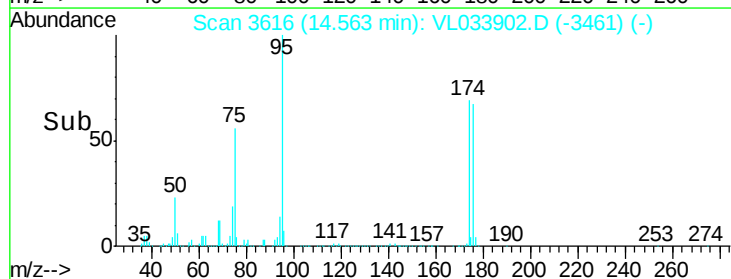
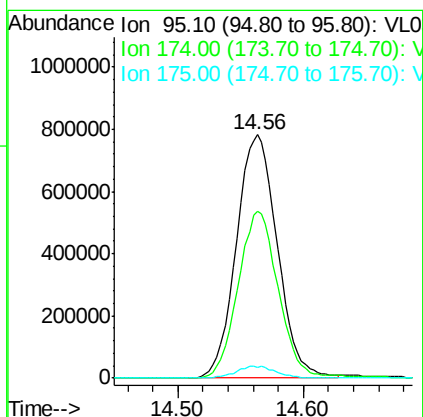
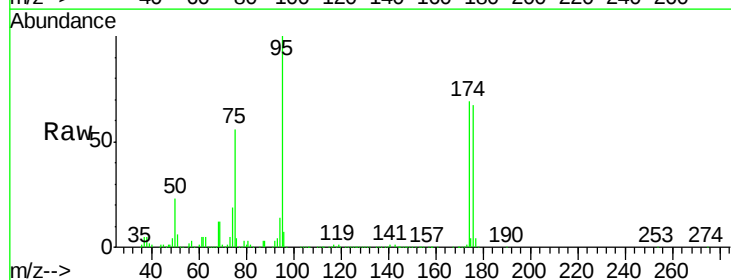
Instrument :
 MSVOA_L
 ClientSampleId :

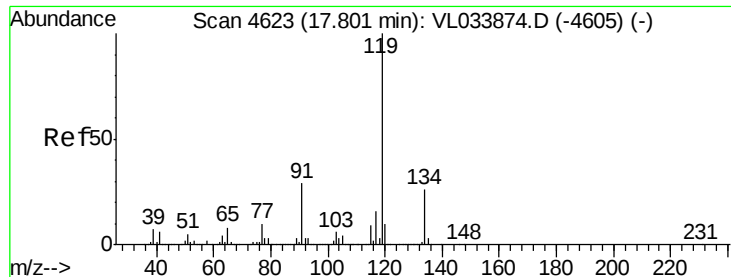
Tot Ion:105 Resp: 4944175
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.299 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Tgt Ion: 95 Resp: 1769380
 Ion Ratio Lower Upper
 95 100
 174 68.4 54.0 81.0
 175 4.8 3.8 5.8

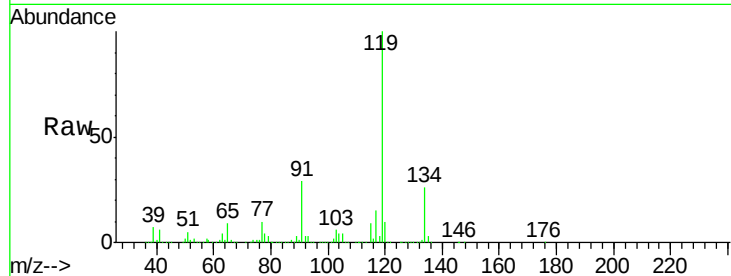




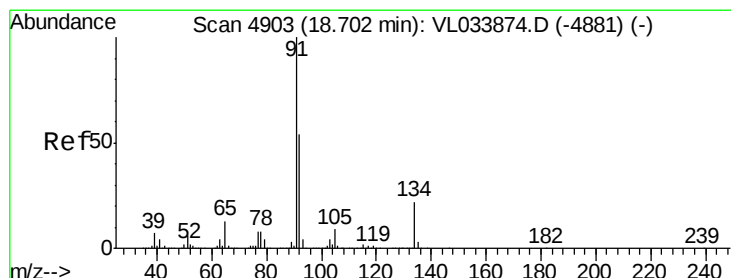
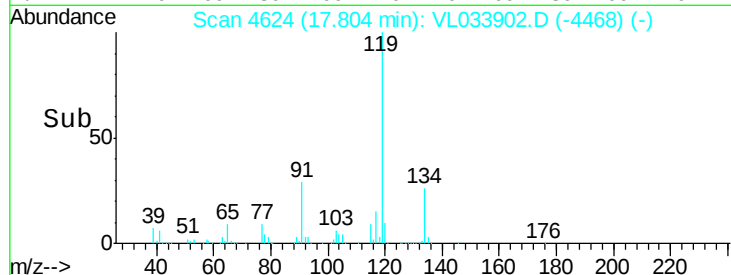
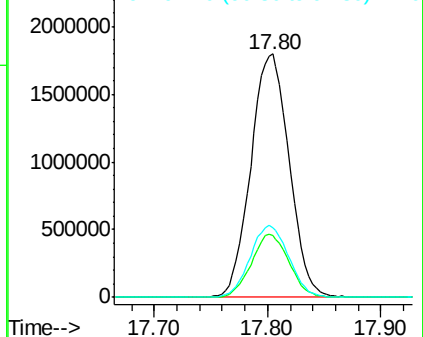
#69
 p-Isopropyltoluene
 Concen: 9.309 ppbv
 RT: 17.80 min Scan# 4624
 Delta R.T. 0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion:119 Resp: 4233506
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 29.6 23.8 35.6

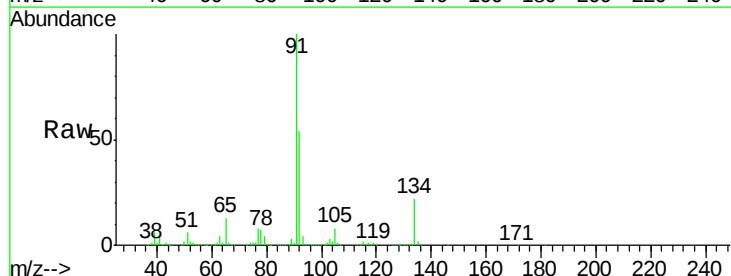


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

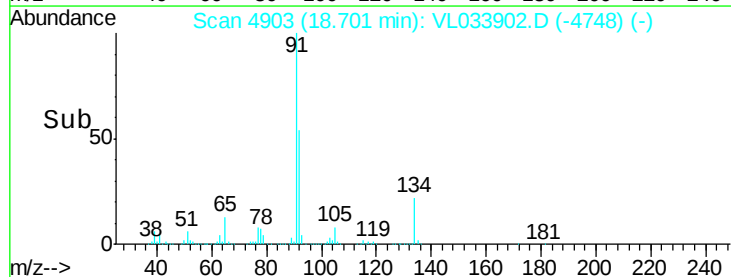
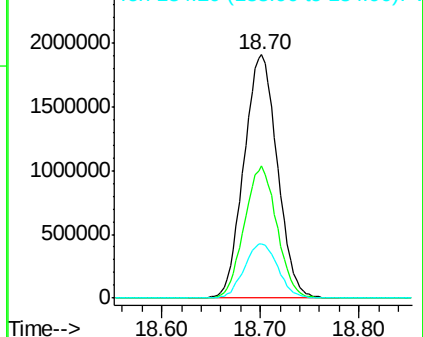


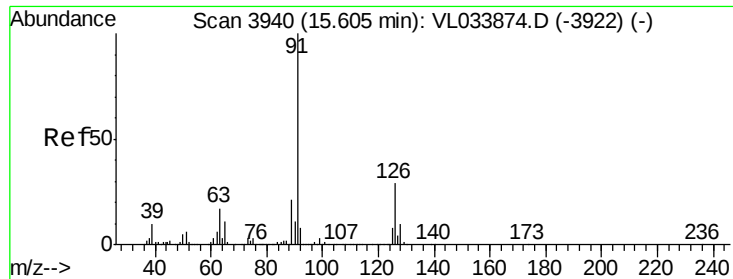
#70
 n-Butylbenzene
 Concen: 8.953 ppbv
 RT: 18.70 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Tgt Ion: 91 Resp: 4459701
 Ion Ratio Lower Upper
 91 100
 92 52.9 42.5 63.7
 134 22.4 17.8 26.6



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

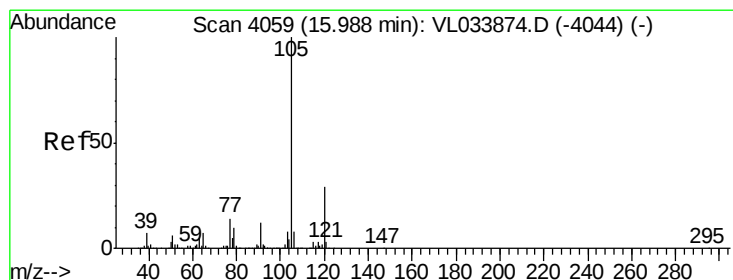
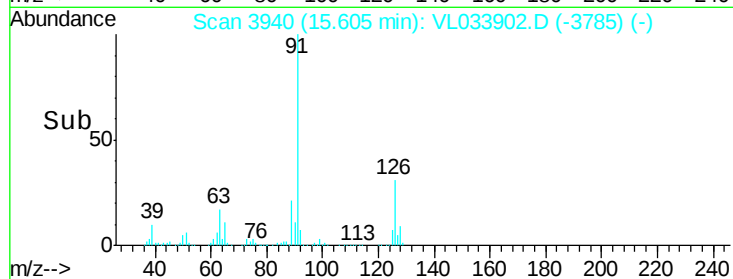
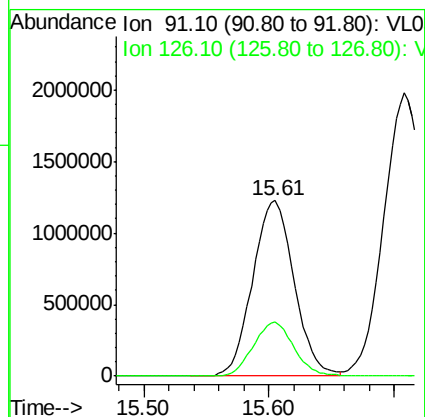
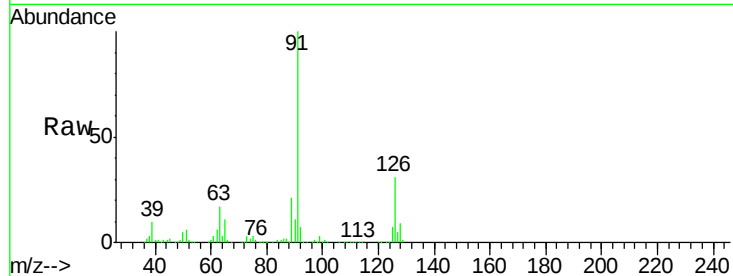




#71
2-Chlorotoluene
Concen: 9.129 ppbv
RT: 15.61 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

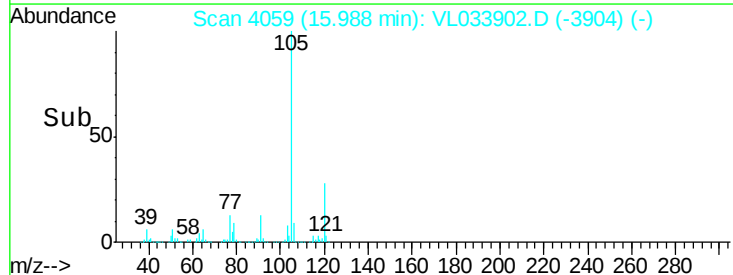
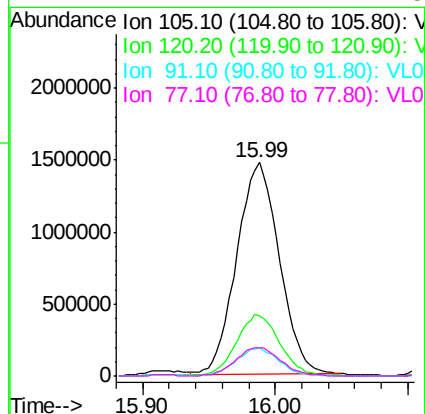
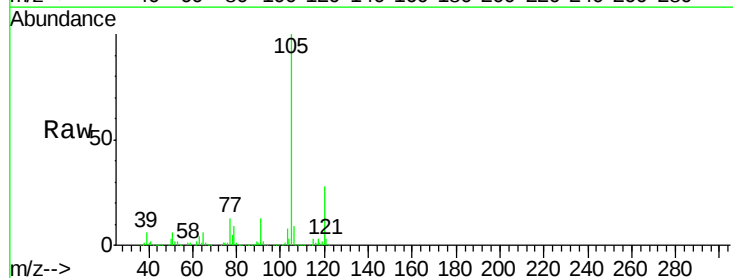
Instrument :
MSVOA_L
ClientSampled :

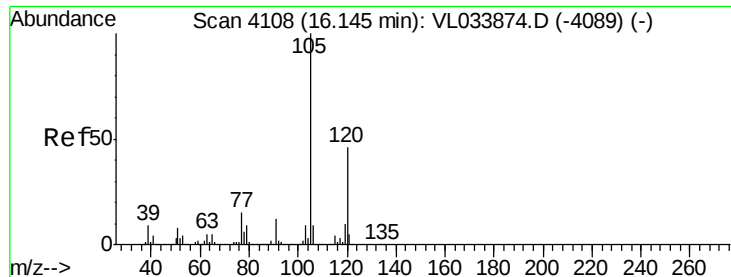
Tot Ion: 91 Resp: 2832001
Ion Ratio Lower Upper
91 100
126 30.6 12.0 48.2



#72
4-Ethyltoluene
Concen: 9.261 ppbv
RT: 15.99 min Scan# 4059
Delta R.T. -0.00 min
Lab File: VL033902.D
Acq: 13 Jun 2019 18:02

Tgt Ion:105 Resp: 3292631
Ion Ratio Lower Upper
105 100
120 29.6 23.5 35.3
91 13.0 10.4 15.6
77 14.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.147 ppbv

RT: 16.15 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

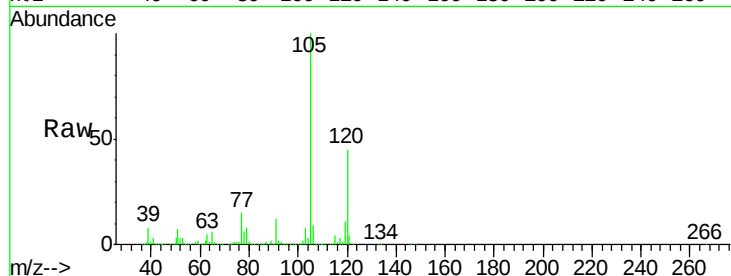
ClientSampleId :

Tot Ion:105 Resp: 3203259

Ion Ratio Lower Upper

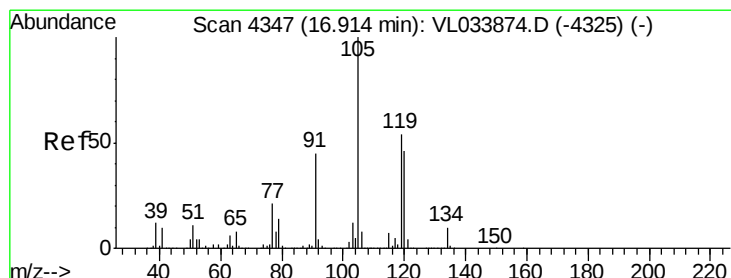
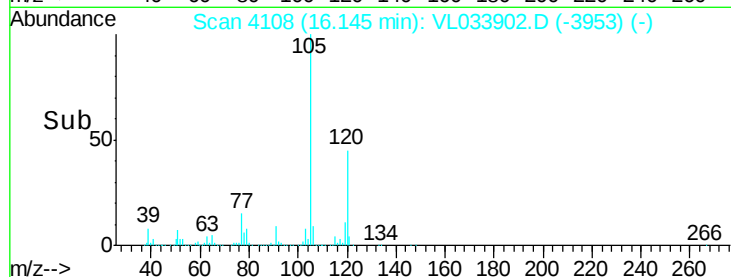
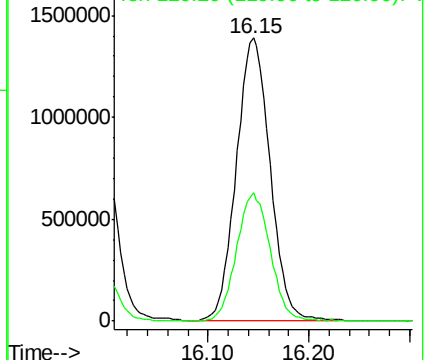
105 100

120 45.5 37.1 55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.601 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Tgt Ion:105 Resp: 3471569

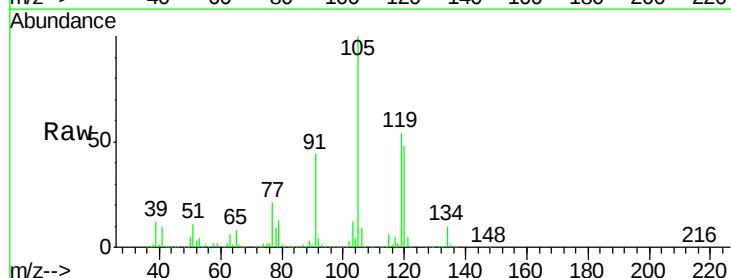
Ion Ratio Lower Upper

105 100

120 47.5 36.7 55.1

91 44.2 35.8 53.8

77 21.3 16.9 25.3

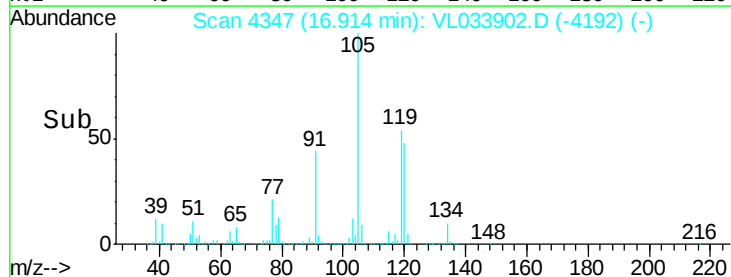
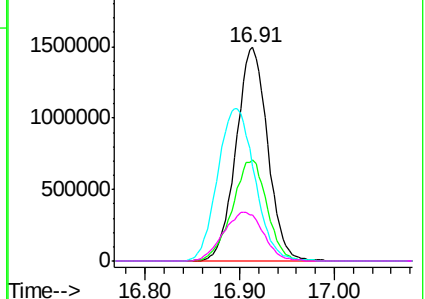


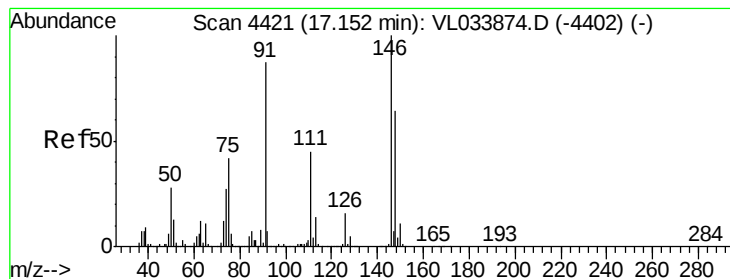
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 8.196 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

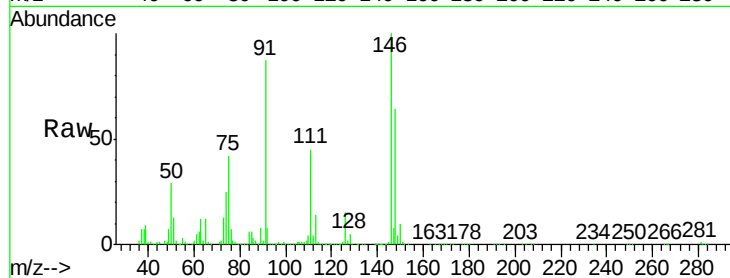
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2071717

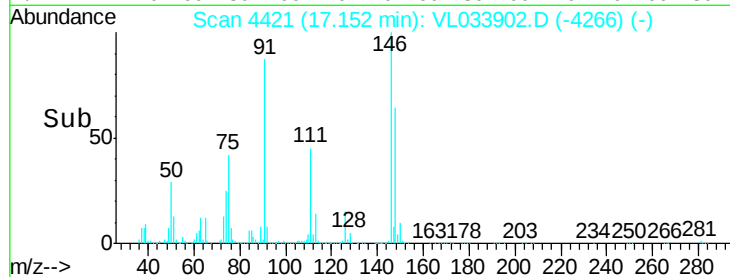
Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.8	68.3
148	63.9	32.2	96.6



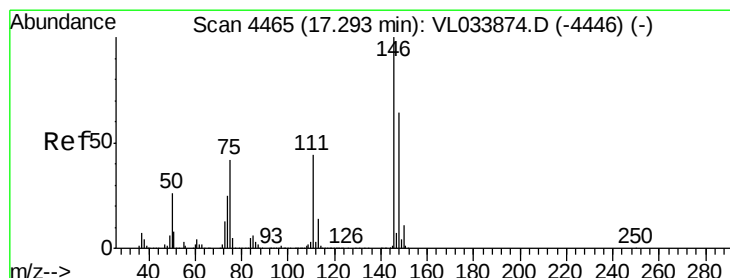
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#76

1,4-Dichlorobenzene

Concen: 8.725 ppbv

RT: 17.30 min Scan# 4466

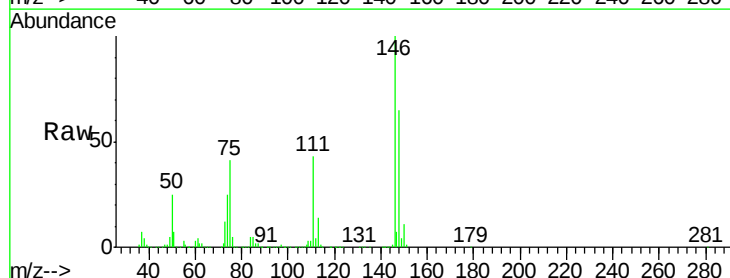
Delta R.T. 0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Tgt Ion:146 Resp: 2025153

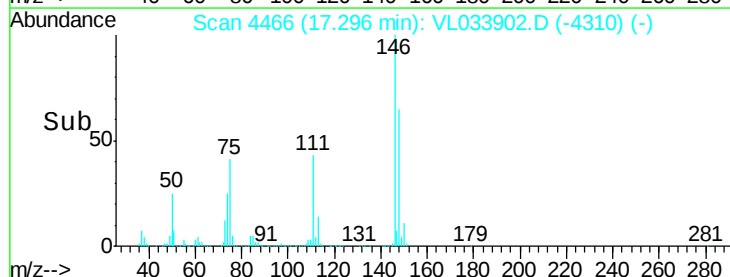
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.5
148	64.2	32.4	97.0



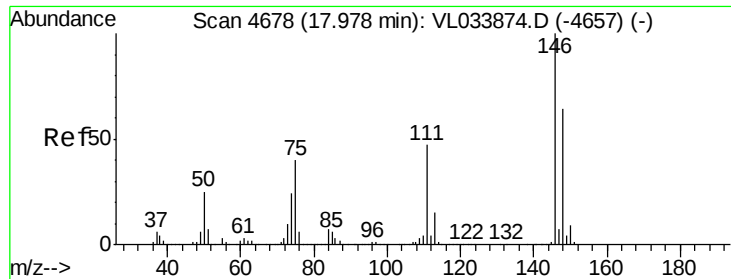
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



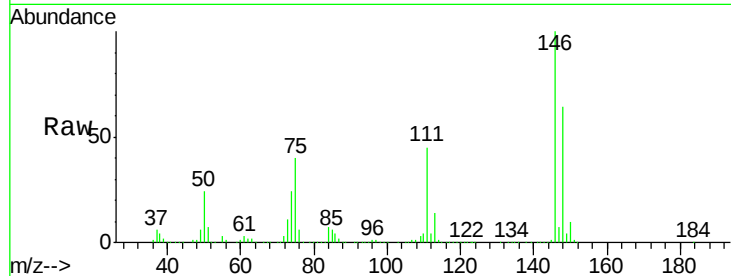
Time-->



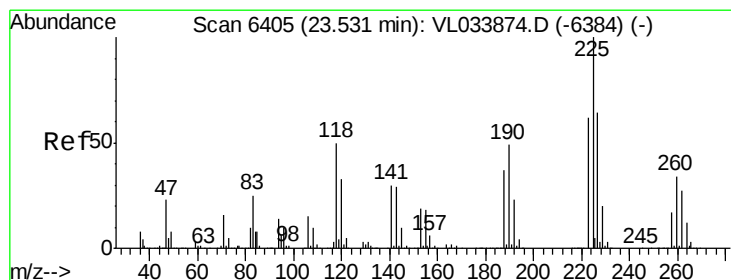
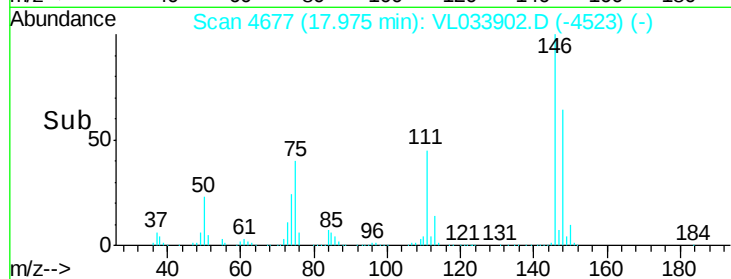
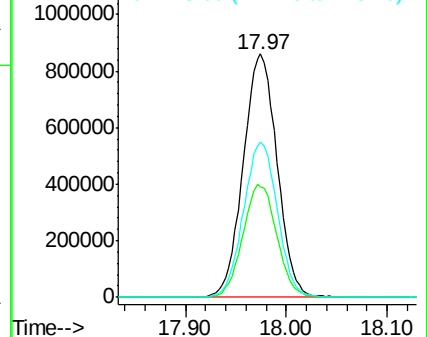
#77
 1,2-Dichlorobenzene
 Concen: 8.581 ppbv
 RT: 17.97 min Scan# 4677
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 2001688
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.4 70.0
 148 63.9 31.8 95.4

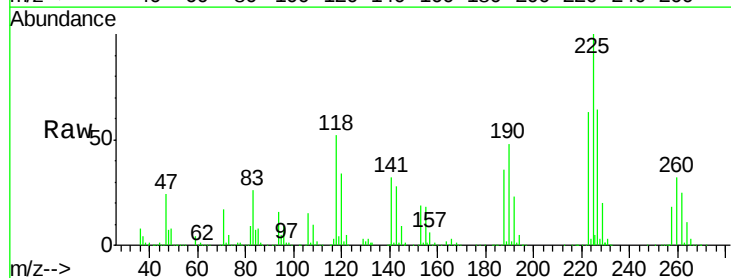


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

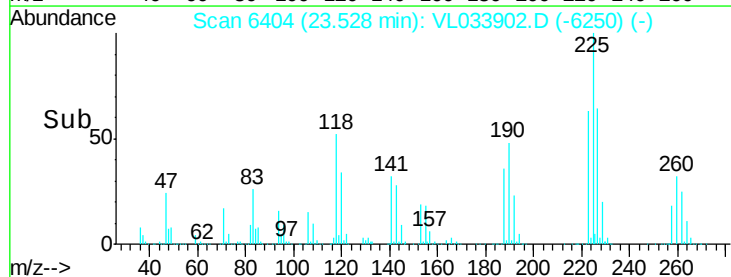
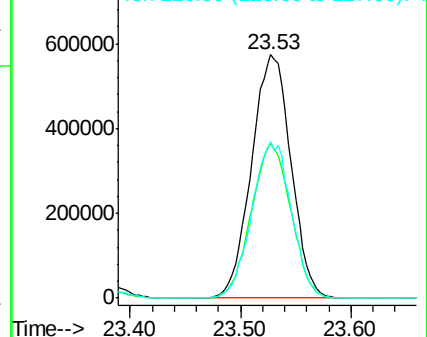


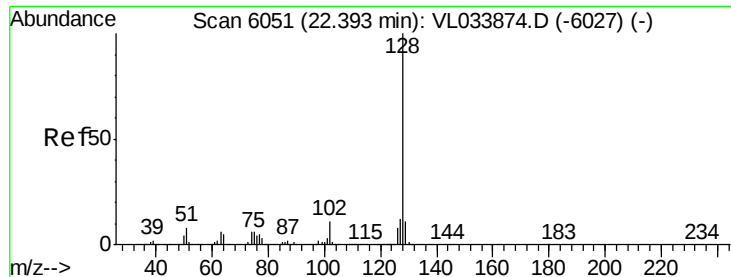
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.809 ppbv
 RT: 23.53 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL033902.D
 Acq: 13 Jun 2019 18:02

Tgt Ion:225 Resp: 1422784
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.8 76.2
 227 64.3 51.8 77.6



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: 10.025 ppbv

RT: 22.39 min Scan# 6051

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

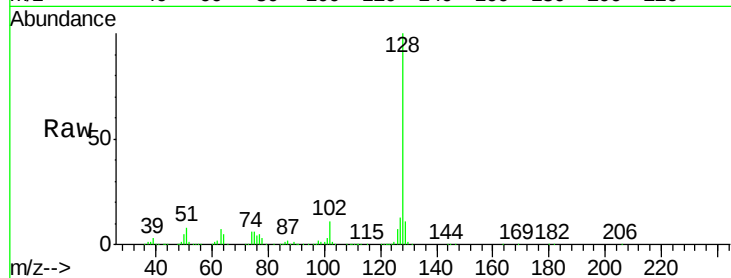
Tot Ion:128 Resp: 3234370

Ion Ratio Lower Upper

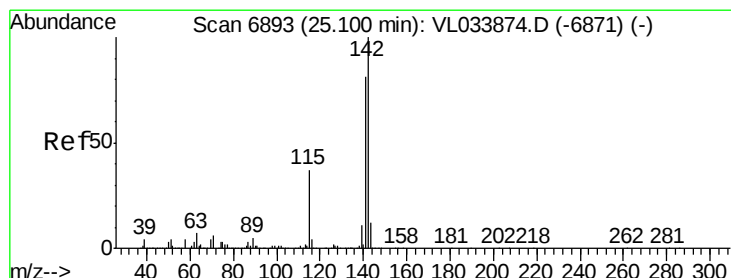
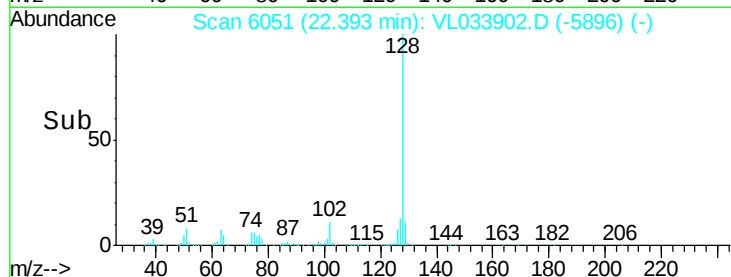
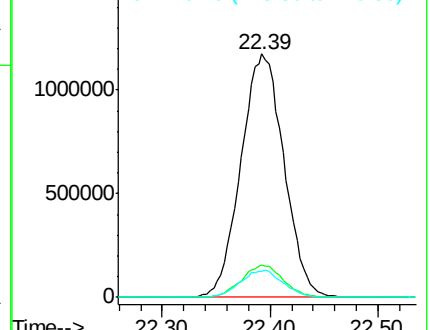
128 100

127 13.2 9.7 14.5

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



#80

Naphthalene, 2-methyl-

Concen: 9.765 ppbv

RT: 25.10 min Scan# 6893

Delta R.T. -0.00 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

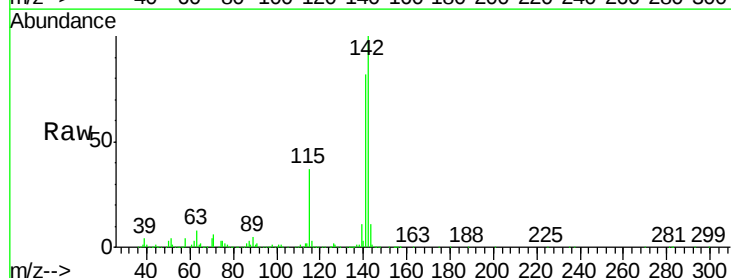
Tgt Ion:142 Resp: 1256967

Ion Ratio Lower Upper

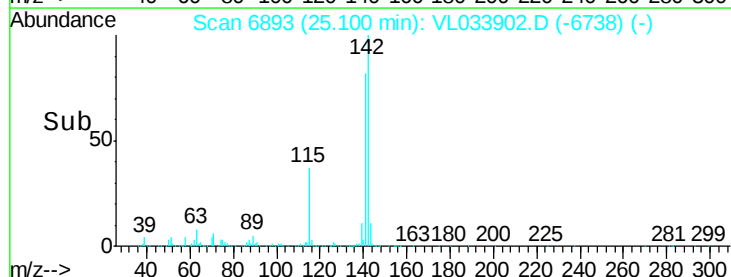
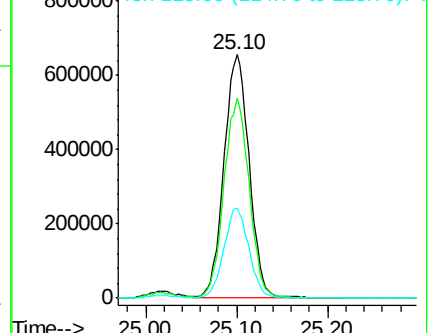
142 100

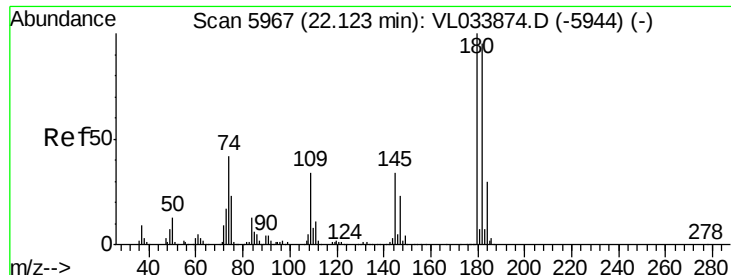
141 82.0 65.7 98.5

115 36.8 28.9 43.3



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: 9.493 ppbv

RT: 22.12 min Scan# 5965

Delta R.T. -0.01 min

Lab File: VL033902.D

Acq: 13 Jun 2019 18:02

Instrument :

MSVOA_L

ClientSampleId :

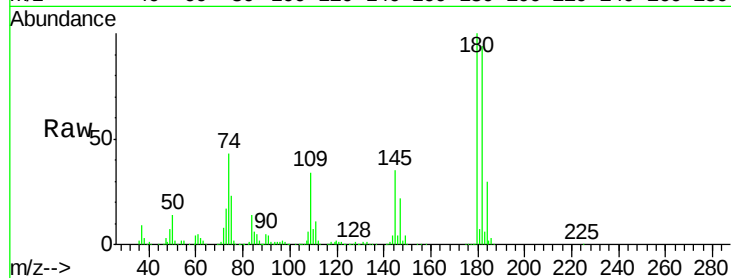
Tot Ion:180 Resp: 1933634

Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

184 31.1 24.5 36.7



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

