

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033876.D
 Acq On : 7 Jun 2019 3:21
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 06:07:51 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 05:42:58 2019
 QLast Update : Fri Jun 07 05:42:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	958326	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2231516	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2212524	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1876907	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	185770	0.960 ppbv	99
3) Chlorodifluoromethane	3.01	51	119090	1.079 ppbv	98
4) Chloromethane	3.16	50	67688	1.073 ppbv	93
5) Vinyl Chloride	3.28	62	63187	0.983 ppbv #	88
6) Bromomethane	3.51	94	39420	1.004 ppbv	94
7) Chloroethane	3.59	64	24623	1.072 ppbv	90
8) Dichlorotetrafluoroethane	3.21	85	170164	1.031 ppbv	100
9) Propene	3.03	41	40942	0.890 ppbv	100
10) Heptane	8.23	43	51018	0.392 ppbv #	26
11) Trichlorofluoromethane	3.99	101	206382	1.064 ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.54	101	133428	0.988 ppbv	99
13) Ethanol	3.64	45	19402	1.310 ppbv	94
14) Bromoethene	3.78	108	48646	0.963 ppbv	97
15) Acetone	3.90	43	150871	1.137 ppbv	96
16) 1,3-Butadiene	3.36	39	49686	0.927 ppbv	97
17) tert-Butyl alcohol	4.35	59	110549	1.001 ppbv	100
18) 1,1-Dichloroethene	4.34	96	54719	0.959 ppbv	95
19) Isopropyl Alcohol	4.02	45	79723	0.924 ppbv #	92
20) Methylene Chloride	4.40	84	55330	1.073 ppbv	97
21) Allyl Chloride	4.47	41	75602	0.916 ppbv	96
22) trans-1,2-Dichloroethene	4.95	96	59103	0.993 ppbv	96
23) Vinyl Acetate	5.14	43	157173	0.901 ppbv #	96
24) 1,1-Dichloroethane	5.08	63	126325	0.945 ppbv	96
25) Ethyl Acetate	5.76	43	211722	0.914 ppbv	99
26) Hexane	5.77	57	98434	0.991 ppbv	92
27) Carbon Disulfide	4.62	76	122134	0.885 ppbv #	90
28) Methyl tert-Butyl Ether	5.11	73	134463	0.817 ppbv	99
29) Chloroform	5.83	83	163833	0.889 ppbv	94
30) Cyclohexane	7.23	84	34245	0.413 ppbv #	23
31) cis-1,2-Dichloroethene	5.63	61	76327	0.766 ppbv	87
32) 1,1,1-Trichloroethane	6.61	97	160459	0.871 ppbv	99
34) 2-Butanone	5.32	43	120382	0.873 ppbv	98
35) Carbon Tetrachloride	7.12	117	171476	0.958 ppbv	96
36) Benzene	6.99	78	159328	0.799 ppbv	96
37) 1,2-Dichloroethane	6.40	62	121969	0.927 ppbv	99
38) Trichloroethene	7.95	130	66149	0.875 ppbv	96
39) 1,2-Dichloropropane	7.72	63	58261	0.780 ppbv	86
41) Tetrahydrofuran	6.15	42	59145	0.780 ppbv	92
42) Bromodichloromethane	7.90	83	159046	0.887 ppbv	94
43) Methyl Methacrylate	8.12	69	53746	0.726 ppbv	90
44) 2,2,4-Trimethylpentane	7.98	57	295373	0.870 ppbv	96

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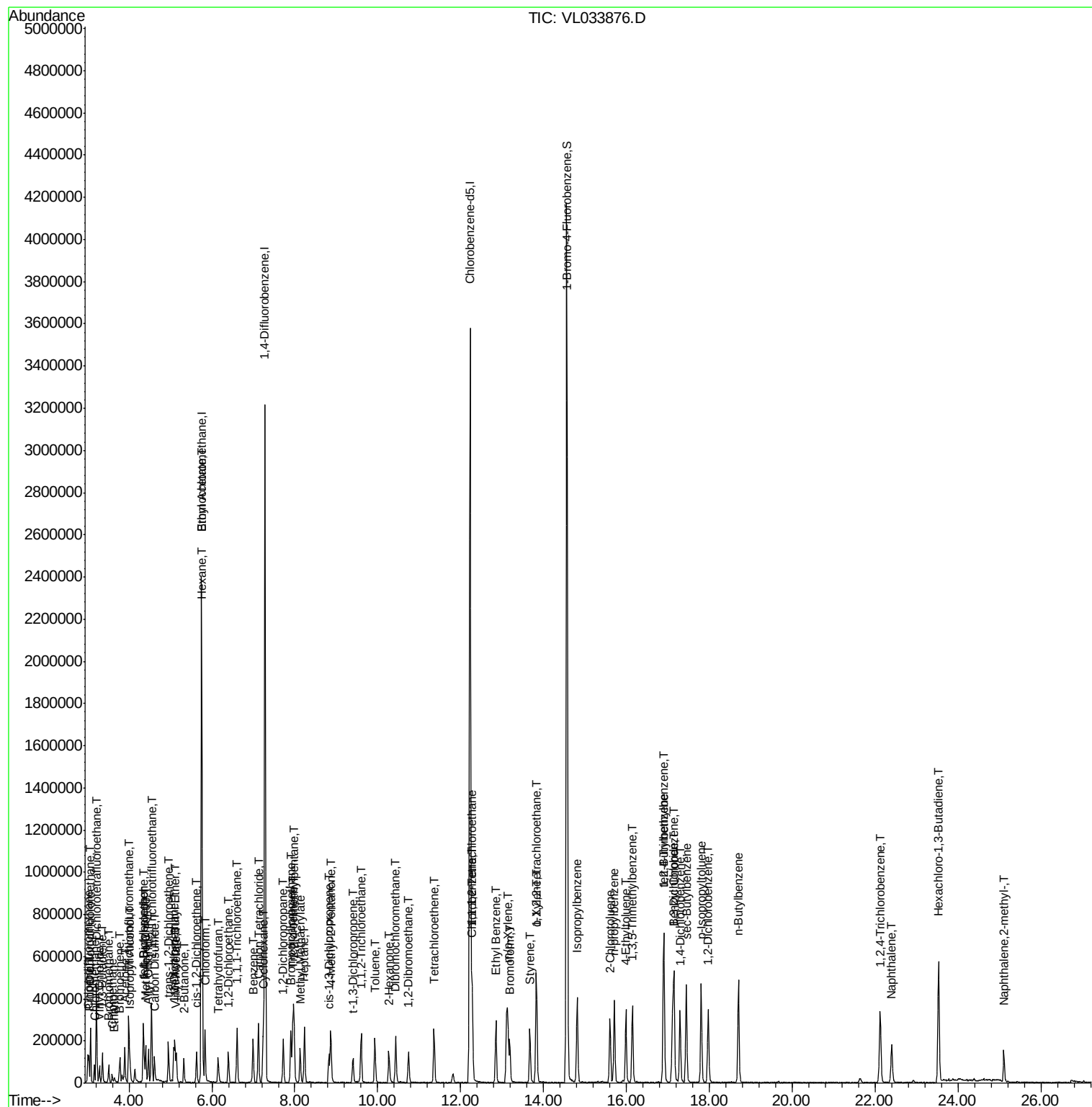
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.40	75	65148	0.695	ppbv	97
46) cis-1,3-Dichloropropene	8.82	75	76496	0.700	ppbv	98
47) 1,1,2-Trichloroethane	9.60	97	74484	0.870	ppbv #	86
48) Dibromochloromethane	10.43	129	127119	0.853	ppbv	99
49) Bromoform	13.18	173	108765	0.851	ppbv	97
50) 4-Methyl-2-Pentanone	8.87	43	173363	0.825	ppbv	95
51) 2-Hexanone	10.26	43	125170	0.763	ppbv #	94
52) Tetrachloroethene	11.36	164	59894	0.844	ppbv	95
53) Toluene	9.93	91	158594	0.732	ppbv	99
54) 1,2-Dibromoethane	10.75	107	106206	0.814	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	34806	0.343	ppbv #	10
57) Chlorobenzene	12.29	112	161172	0.894	ppbv #	94
58) Ethyl Benzene	12.85	91	229306	0.797	ppbv	98
59) m/p-Xylene	13.13	91	260506	1.030	ppbv #	58
60) o-Xylene	13.84	91	221706	0.861	ppbv	100
61) Styrene	13.67	104	129720	0.756	ppbv	96
62) Isopropylbenzene	14.81	105	304517	0.880	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.82	83	179121	0.952	ppbv	99
64) n-propylbenzene	15.70	120	41527	0.465	ppbv #	1
65) tert-Butylbenzene	16.89	119	279713	0.884	ppbv	95
66) Benzyl Chloride	17.14	91	122381	0.811	ppbv	99
67) sec-Butylbenzene	17.44	105	399214	0.901	ppbv	99
69) p-Isopropyltoluene	17.80	119	319736	0.872	ppbv	98
70) n-Butylbenzene	18.70	91	358079	0.909	ppbv	97
71) 2-Chlorotoluene	15.60	91	217509	0.848	ppbv	98
72) 4-Ethyltoluene	15.98	105	243517	0.828	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.15	105	245254	0.853	ppbv	96
74) 1,2,4-Trimethylbenzene	16.91	105	297213	0.948	ppbv	92
75) 1,3-Dichlorobenzene	17.15	146	189036	0.982	ppbv	99
76) 1,4-Dichlorobenzene	17.29	146	82879	0.454	ppbv #	20
77) 1,2-Dichlorobenzene	17.97	146	172370	0.952	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	146266	1.078	ppbv	99
79) Naphthalene	22.40	128	213645	0.759	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	76639	0.757	ppbv #	96
81) 1,2,4-Trichlorobenzene	22.12	180	148047	0.881	ppbv	99

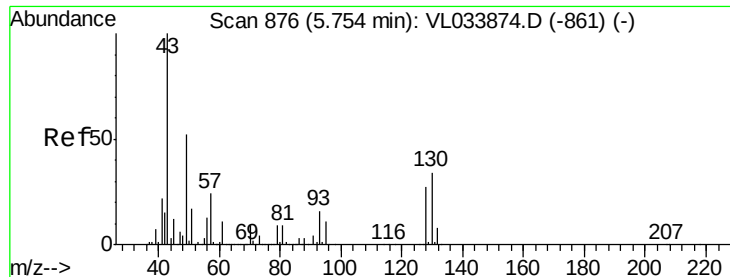
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampled :

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

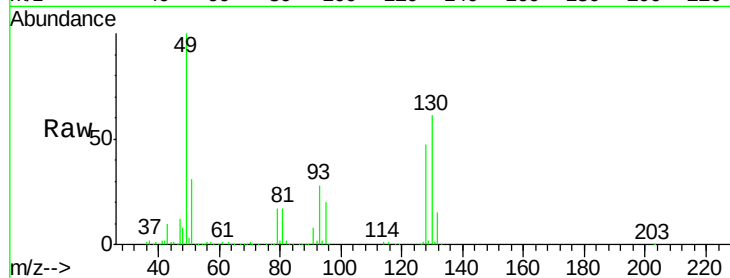
Tot Ion: 49 Resp: 958326

Ion Ratio Lower Upper

49 100

128 50.0 25.5 76.5

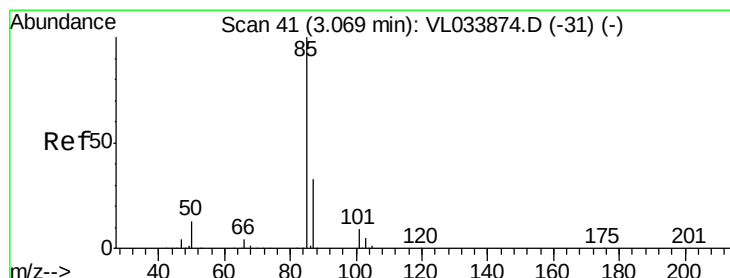
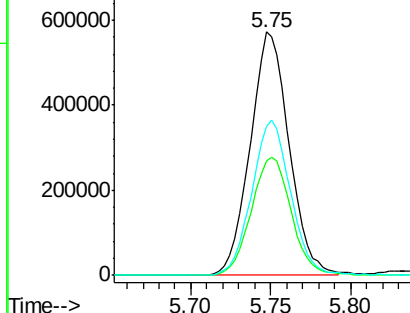
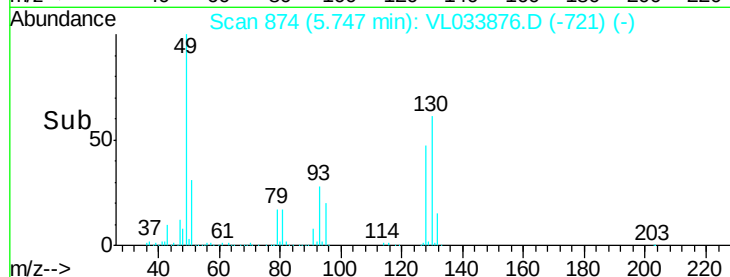
130 64.1 32.5 97.4



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: 0.960 ppbv

RT: 3.07 min Scan# 41

Delta R.T. -0.00 min

Lab File: VL033876.D

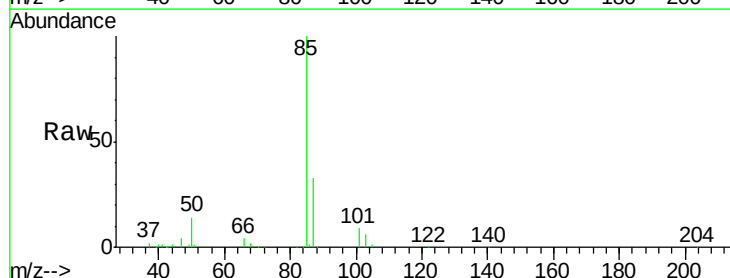
Acq: 7 Jun 2019 3:21

Tgt Ion: 85 Resp: 185770

Ion Ratio Lower Upper

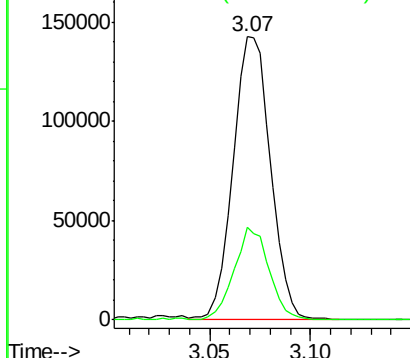
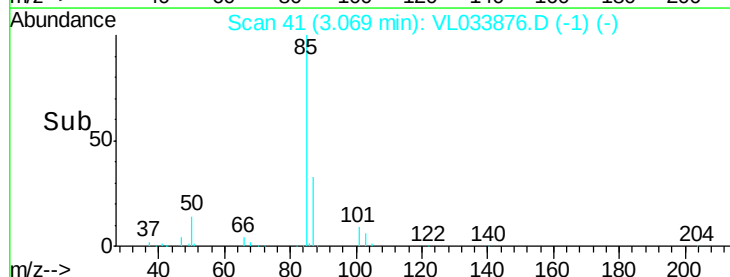
85 100

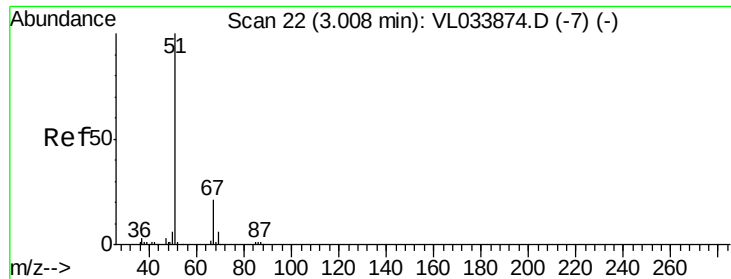
87 32.9 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.079 ppbv

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

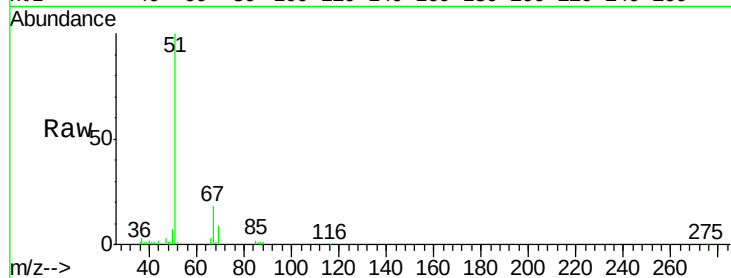
ClientSampleId :

Tot Ion: 51 Resp: 119090

Ion Ratio Lower Upper

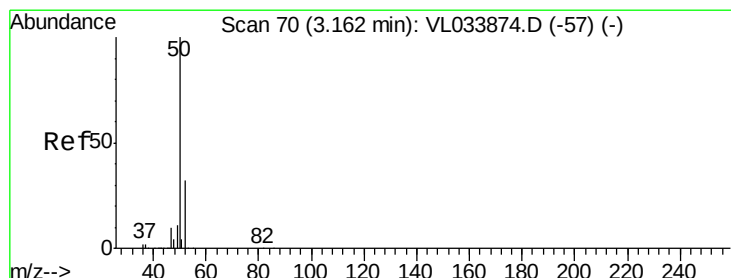
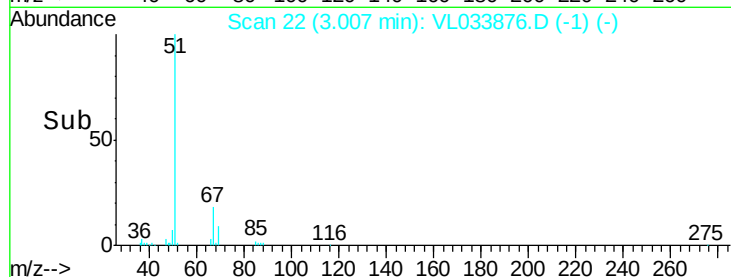
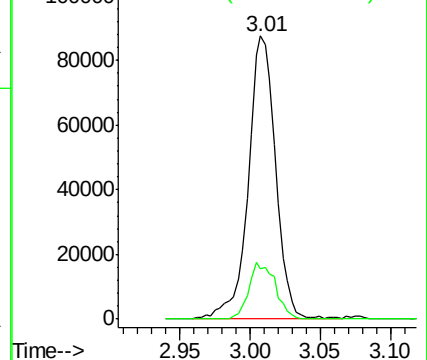
51 100

67 19.3 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.073 ppbv

RT: 3.16 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL033876.D

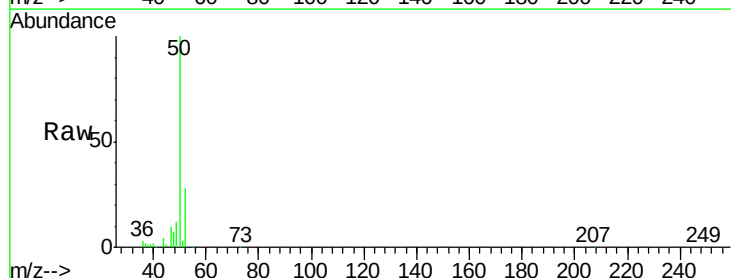
Acq: 7 Jun 2019 3:21

Tgt Ion: 50 Resp: 67688

Ion Ratio Lower Upper

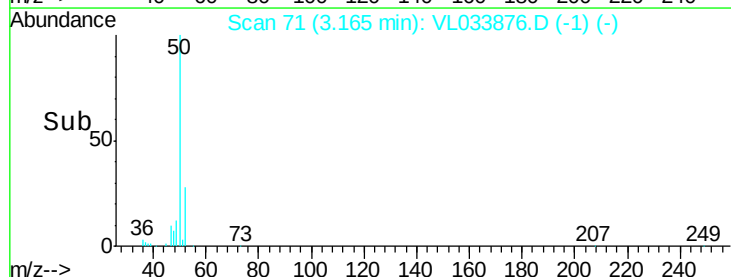
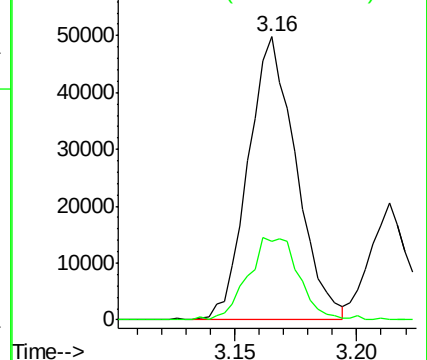
50 100

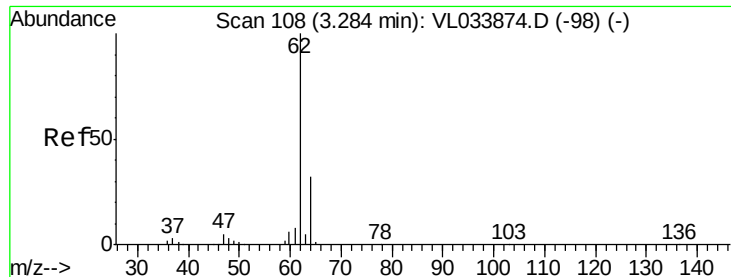
52 27.9 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.983 ppbv

RT: 3.28 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

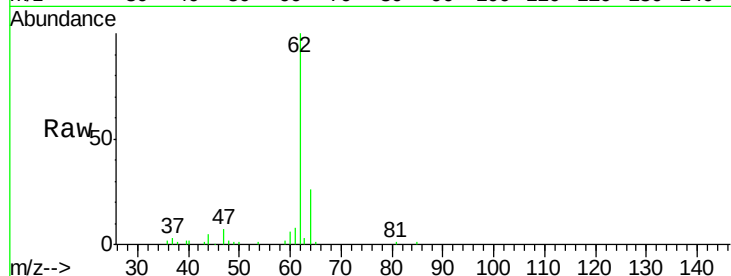
ClientSampleId :

Tot Ion: 62 Resp: 63187

Ion Ratio Lower Upper

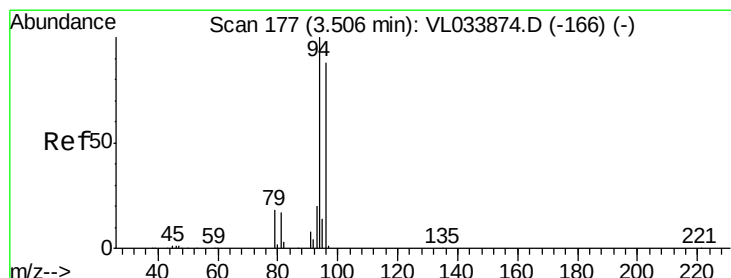
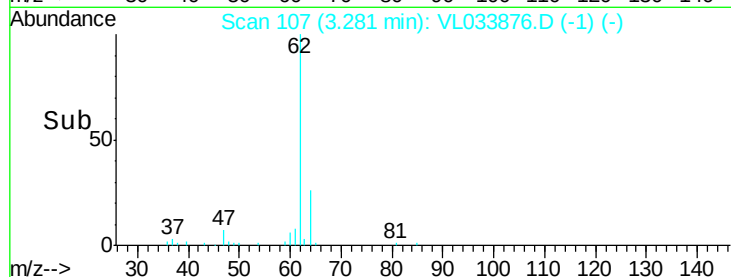
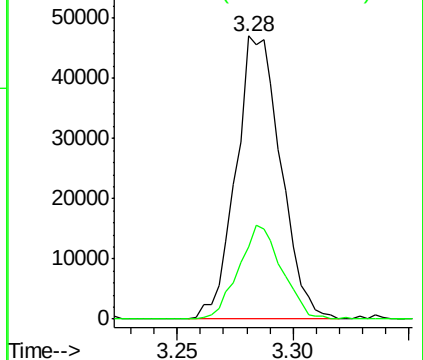
62 100

64 25.1 25.2 37.8#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.004 ppbv

RT: 3.51 min Scan# 177

Delta R.T. -0.00 min

Lab File: VL033876.D

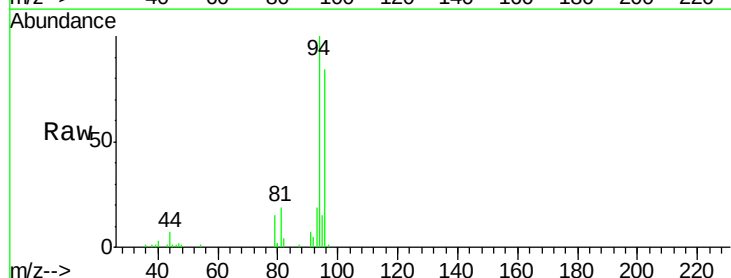
Acq: 7 Jun 2019 3:21

Tgt Ion: 94 Resp: 39420

Ion Ratio Lower Upper

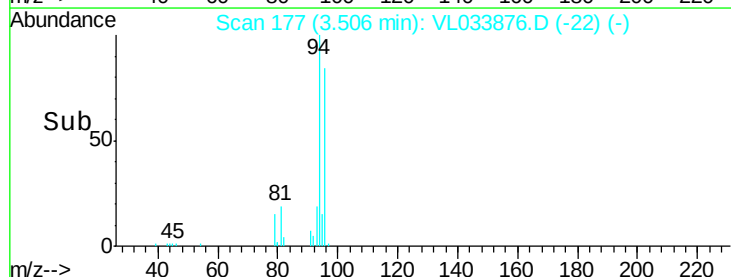
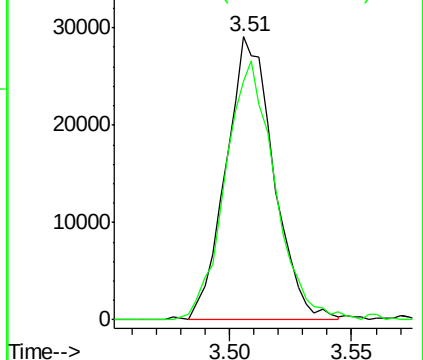
94 100

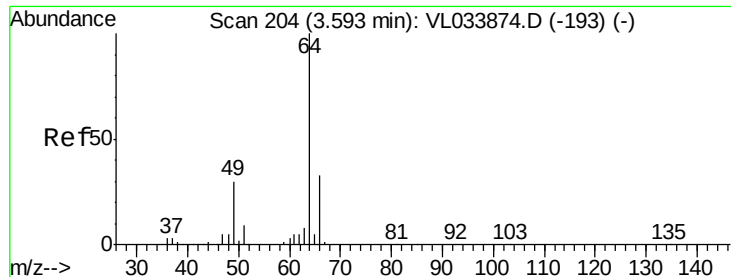
96 82.4 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.072 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

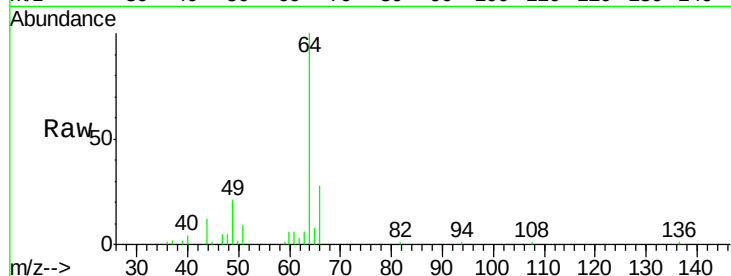
ClientSampleId :

Tot Ion: 64 Resp: 24623

Ion Ratio Lower Upper

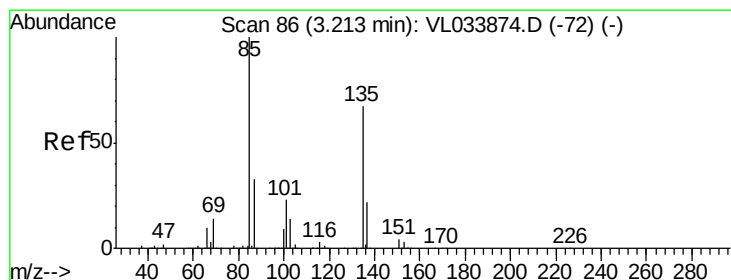
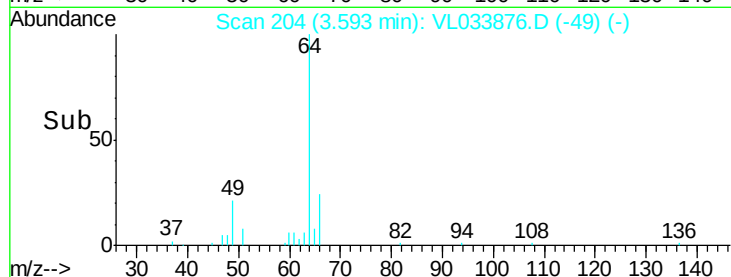
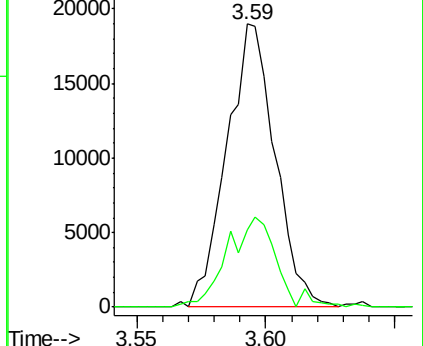
64 100

66 27.5 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.031 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033876.D

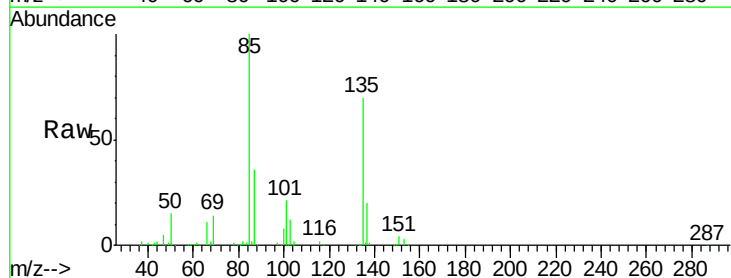
Acq: 7 Jun 2019 3:21

Tgt Ion: 85 Resp: 170164

Ion Ratio Lower Upper

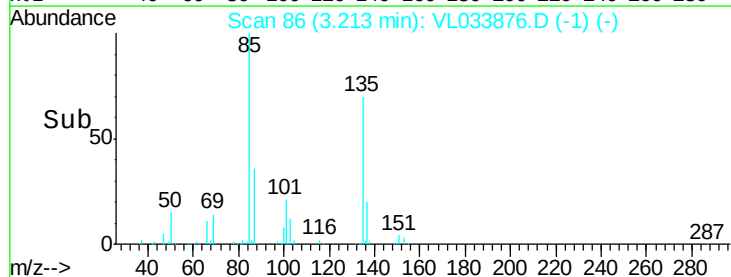
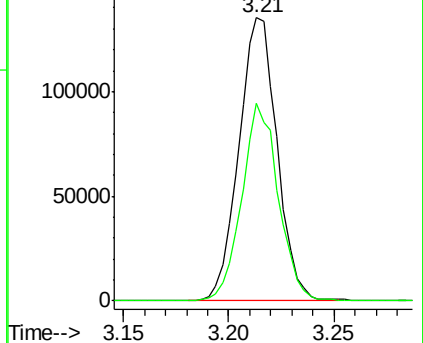
85 100

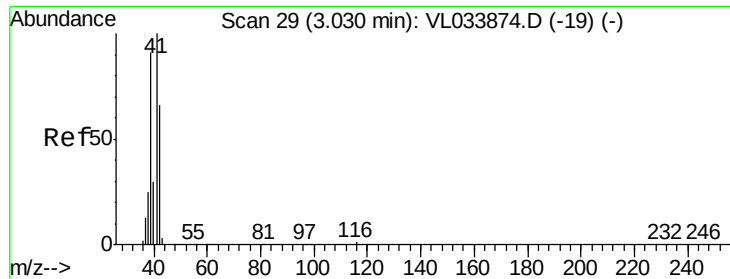
135 66.7 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.890 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

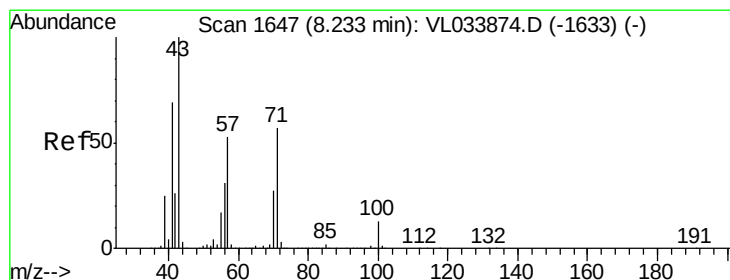
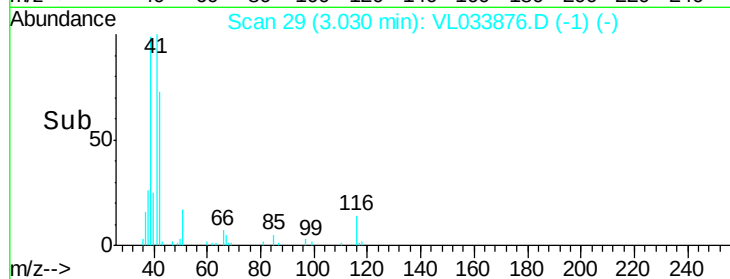
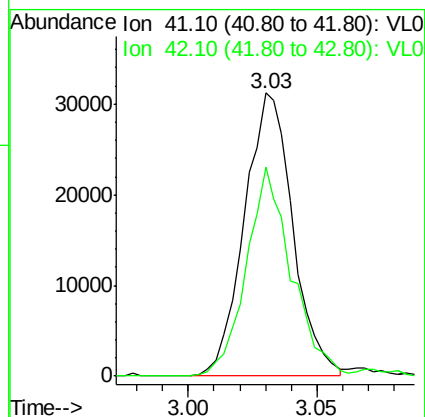
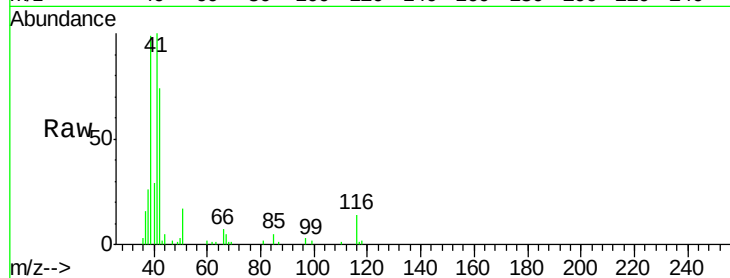
ClientSampleId :

Tot Ion: 41 Resp: 40942

Ion Ratio Lower Upper

41 100

42 70.7 56.3 84.5



#10

Heptane

Concen: 0.392 ppbv

RT: 8.23 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VL033876.D

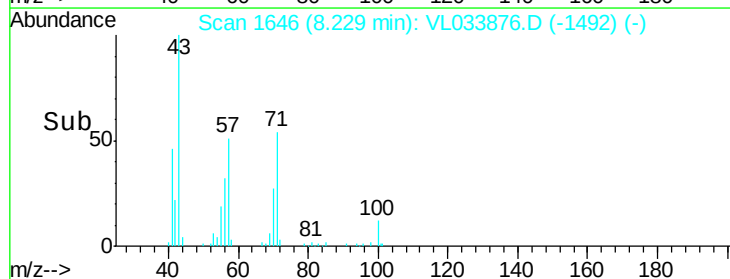
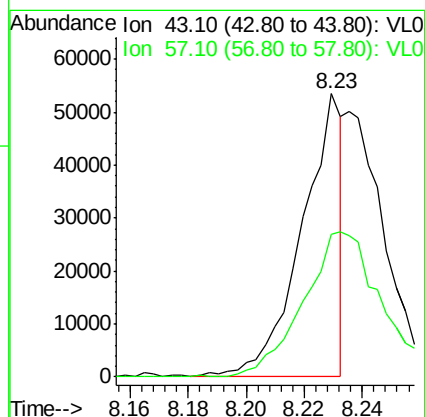
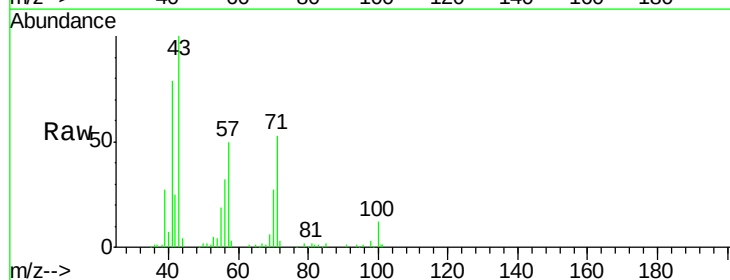
Acq: 7 Jun 2019 3:21

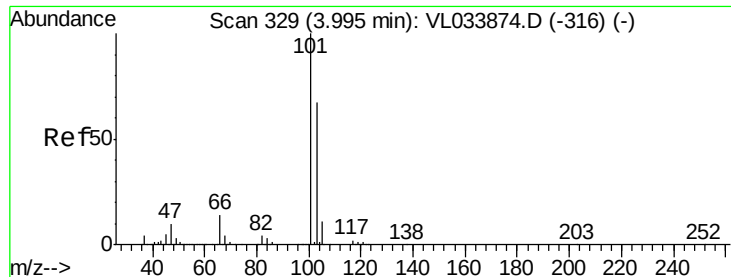
Tgt Ion: 43 Resp: 51018

Ion Ratio Lower Upper

43 100

57 0.0 41.7 62.5#





#11

Trichlorofluoromethane

Concen: 1.064 ppbv

RT: 3.99 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

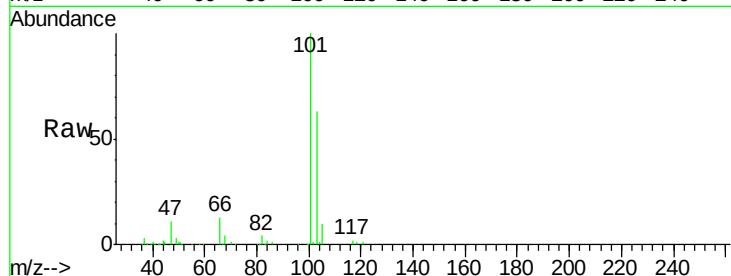
ClientSampleId :

Tot Ion:101 Resp: 206382

Ion Ratio Lower Upper

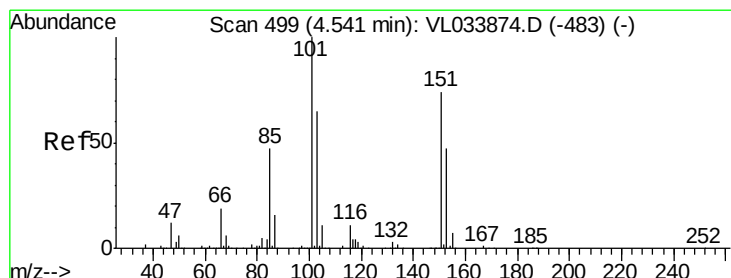
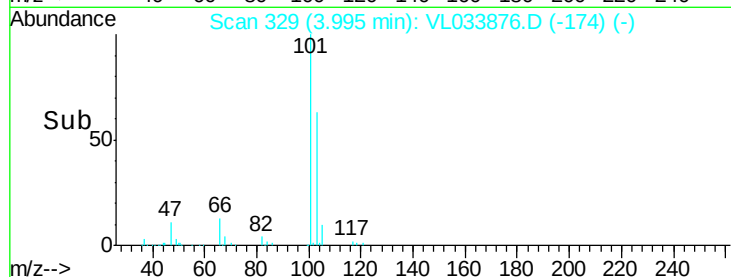
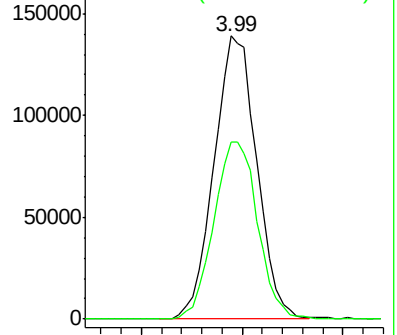
101 100

103 62.6 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: 0.988 ppbv

RT: 4.54 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL033876.D

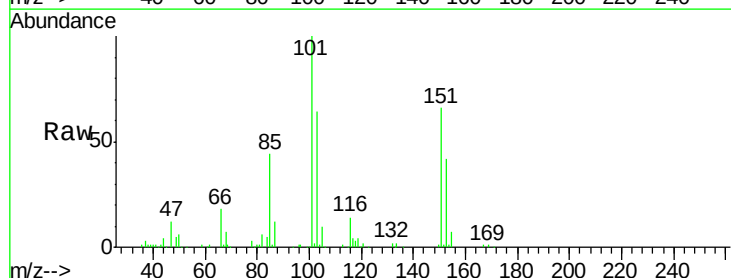
Acq: 7 Jun 2019 3:21

Tgt Ion:101 Resp: 133428

Ion Ratio Lower Upper

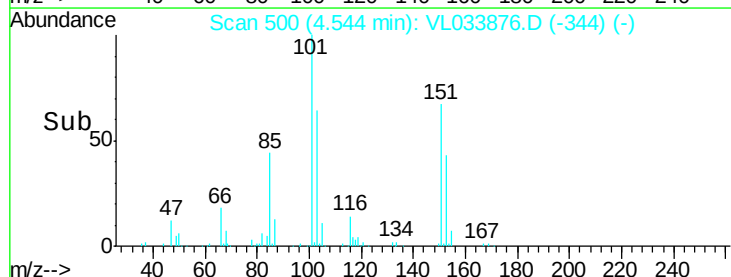
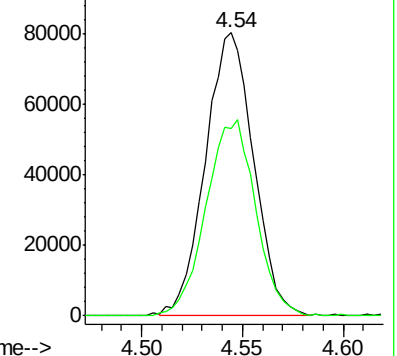
101 100

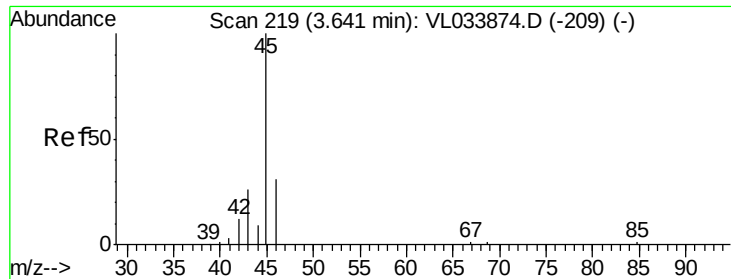
151 72.1 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 1.310 ppbv

RT: 3.64 min Scan# 219

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

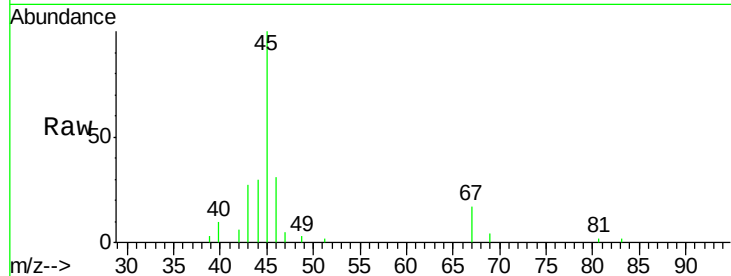
ClientSampleId :

Tot Ion: 45 Resp: 19402

Ion Ratio Lower Upper

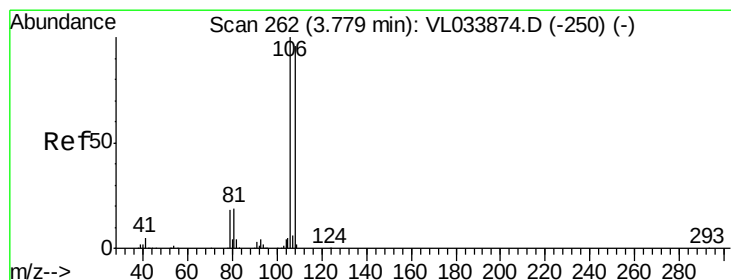
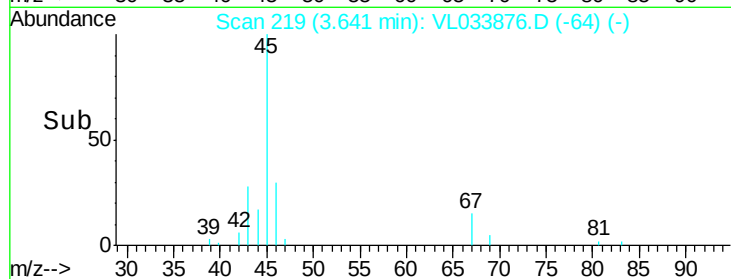
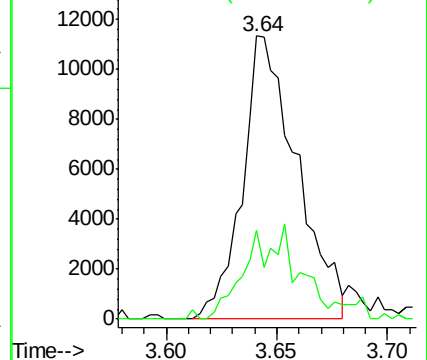
45 100

46 34.4 15.3 61.1



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.963 ppbv

RT: 3.78 min Scan# 262

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

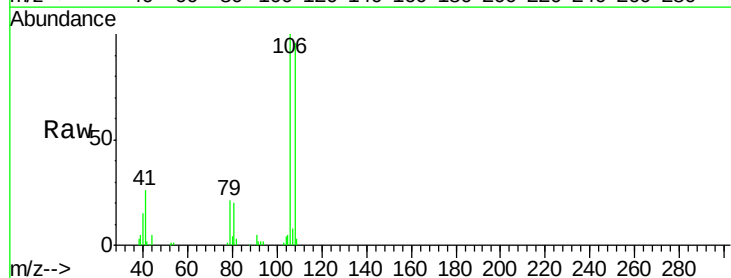
Tgt Ion: 108 Resp: 48646

Ion Ratio Lower Upper

108 100

106 109.1 84.9 127.3

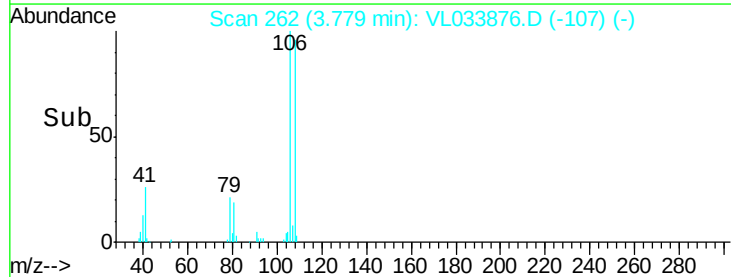
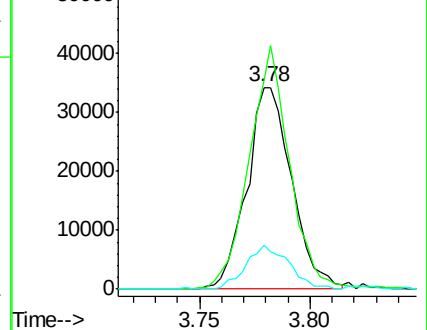
79 21.6 15.4 23.0

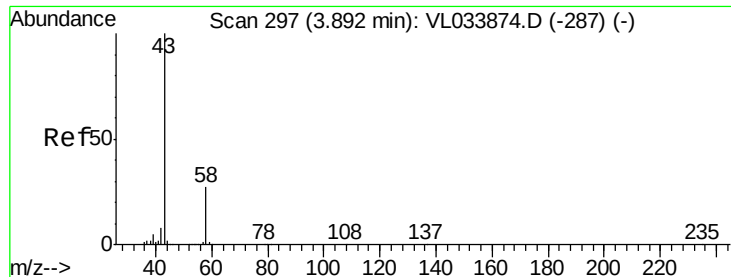


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 1.137 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

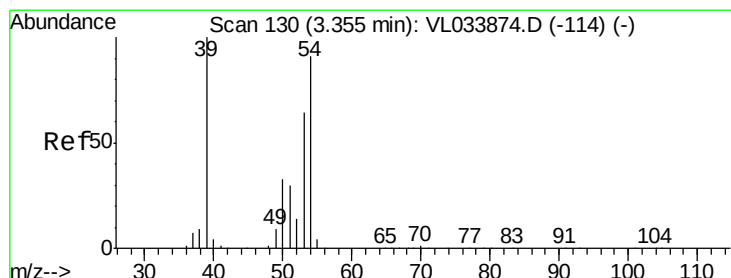
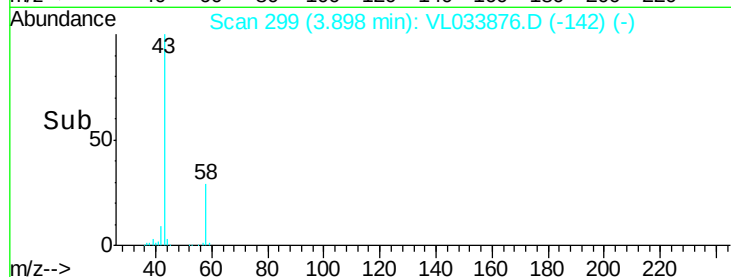
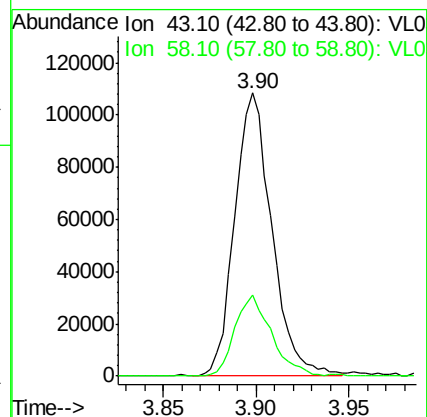
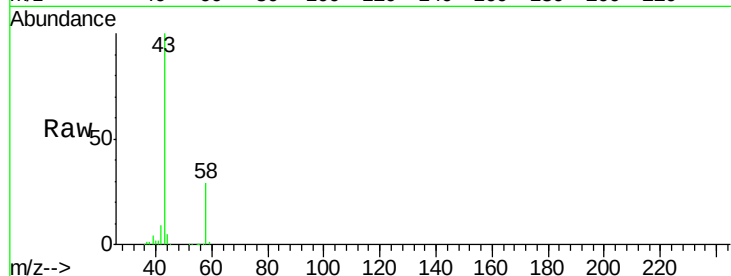
ClientSampleId :

Tot Ion: 43 Resp: 150871

Ion Ratio Lower Upper

43 100

58 28.5 21.3 31.9



#16

1,3-Butadiene

Concen: 0.927 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033876.D

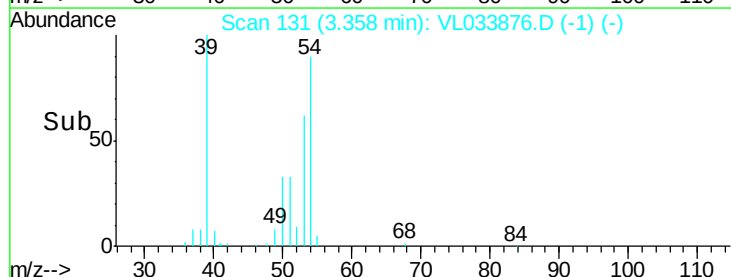
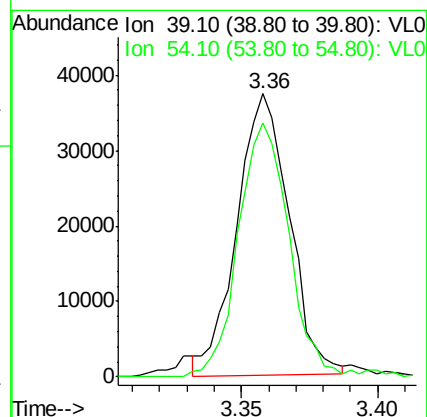
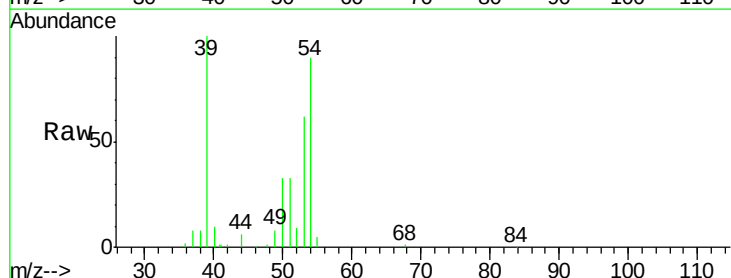
Acq: 7 Jun 2019 3:21

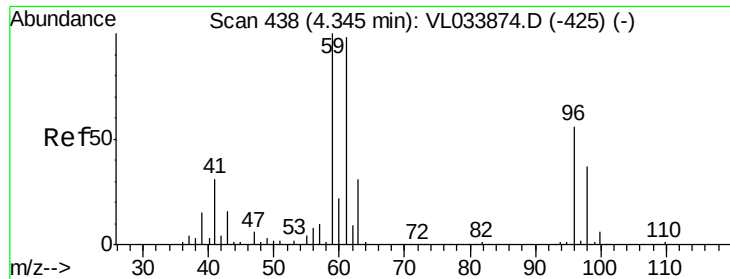
Tgt Ion: 39 Resp: 49686

Ion Ratio Lower Upper

39 100

54 88.3 68.6 103.0





#17

tert-Butyl alcohol

Concen: 1.001 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

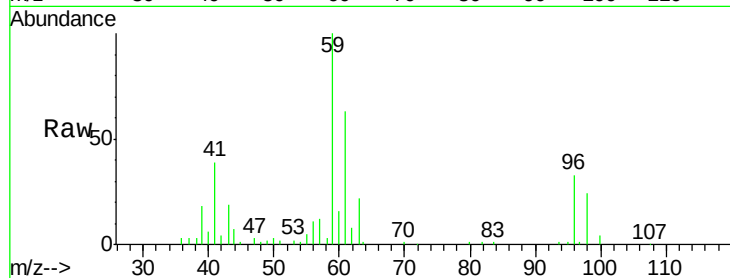
ClientSampleId :

Tot Ion: 59 Resp: 110549

Ion Ratio Lower Upper

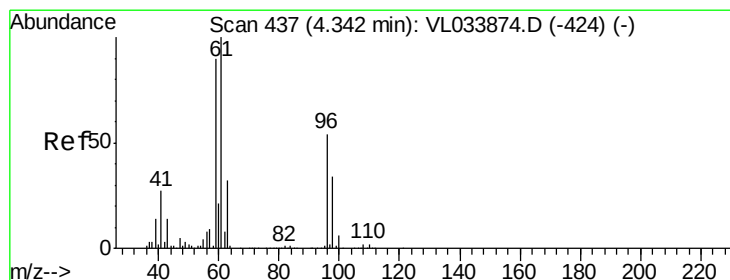
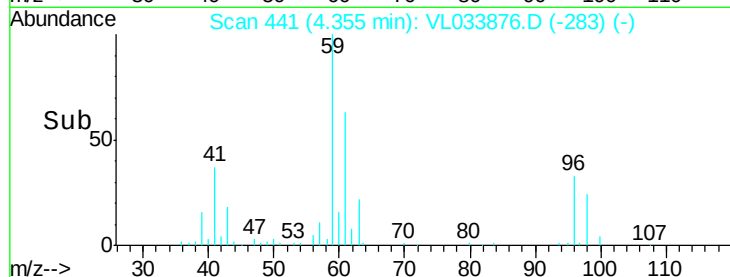
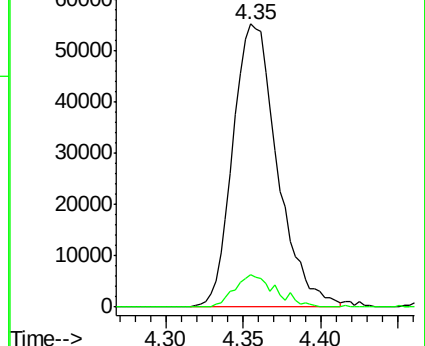
59 100

57 10.5 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.959 ppbv

RT: 4.34 min Scan# 438

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

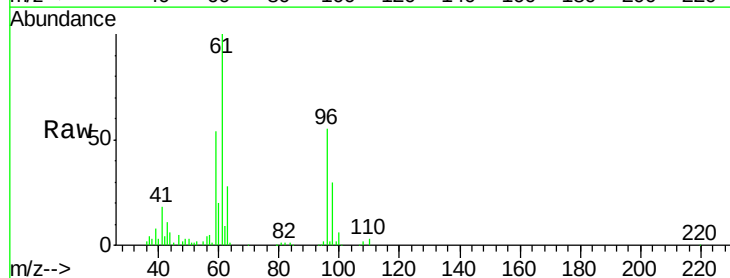
Tgt Ion: 96 Resp: 54719

Ion Ratio Lower Upper

96 100

61 179.5 147.0 220.6

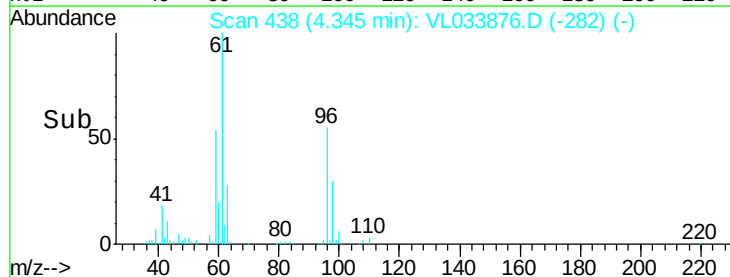
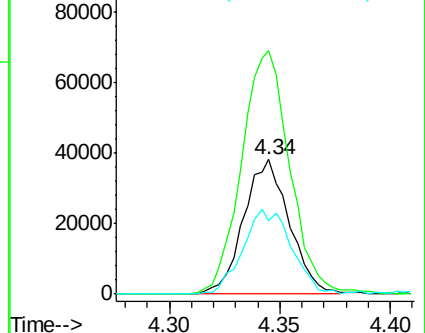
98 54.3 49.4 74.0

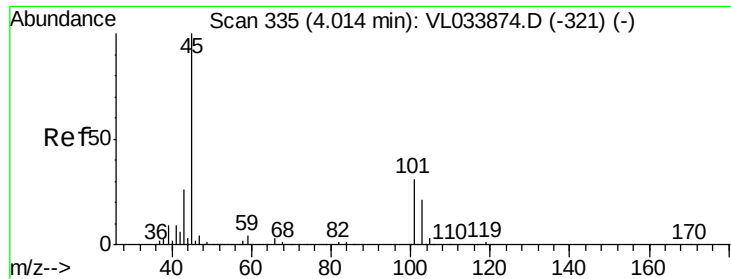


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.924 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

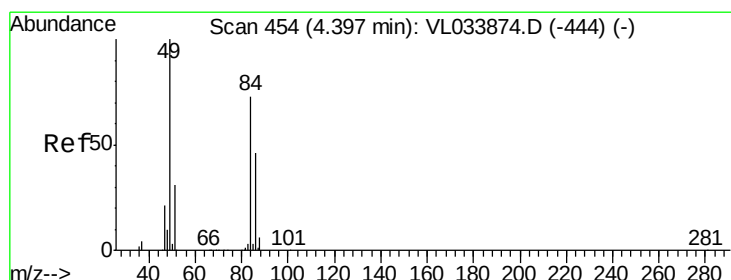
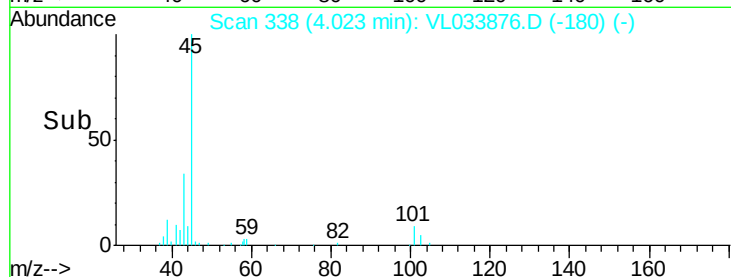
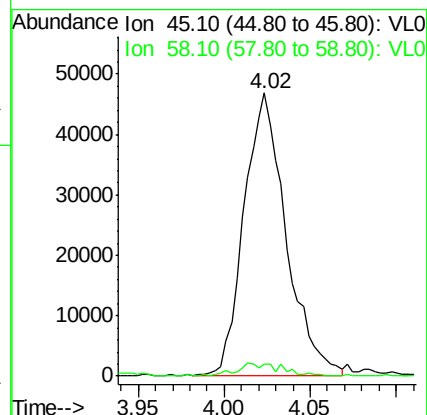
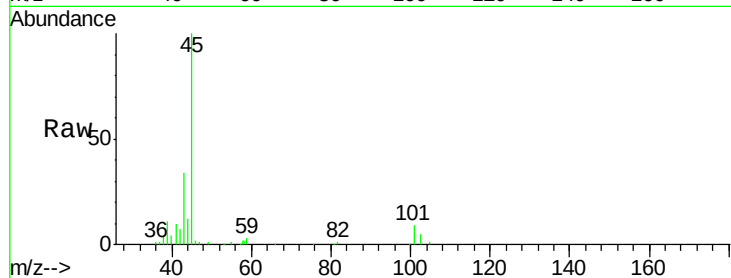
ClientSampled :

Tot Ion: 45 Resp: 79723

Ion Ratio Lower Upper

45 100

58 5.1 1.8 2.6#



#20

Methylene Chloride

Concen: 1.073 ppbv

RT: 4.40 min Scan# 455

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion: 84 Resp: 55330

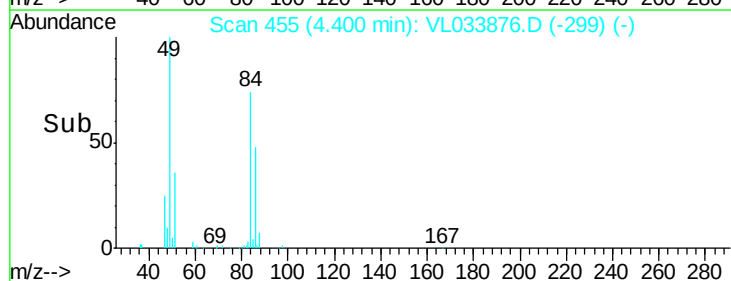
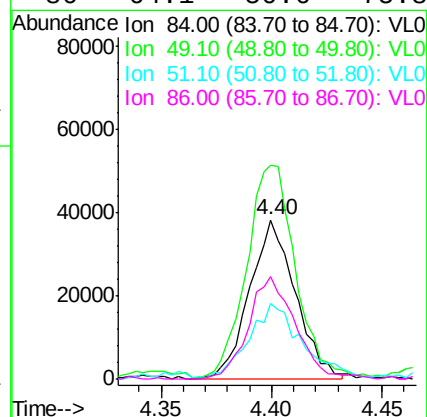
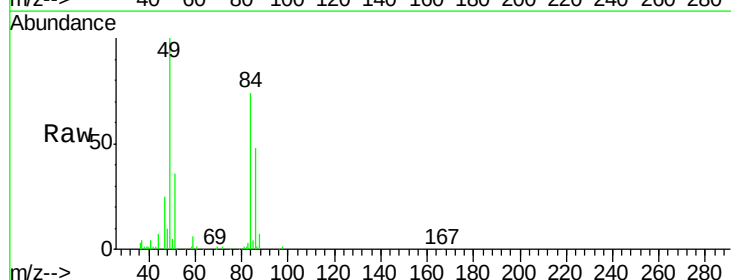
Ion Ratio Lower Upper

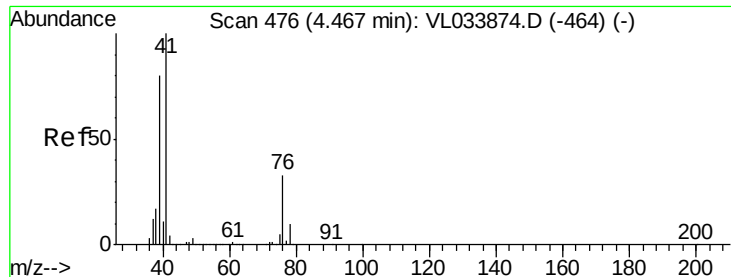
84 100

49 133.3 110.0 165.0

51 47.0 34.6 51.8

86 64.1 50.6 75.8





#21

Allvl Chloride

Concen: 0.916 ppbv

RT: 4.47 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :

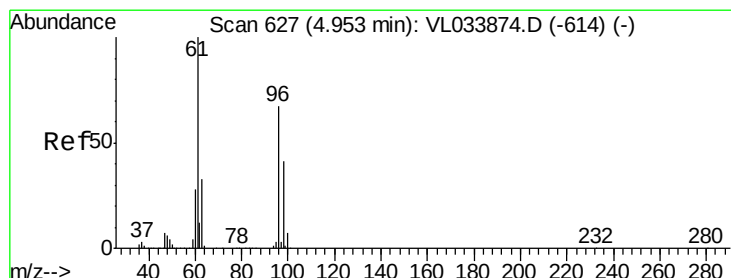
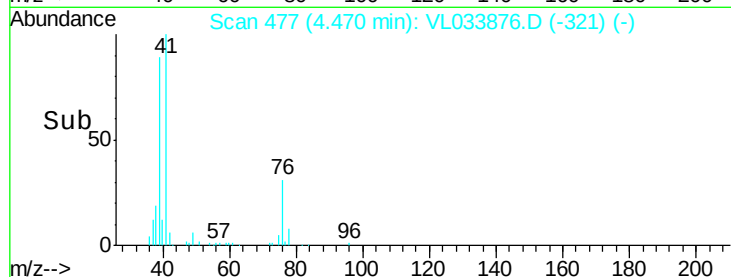
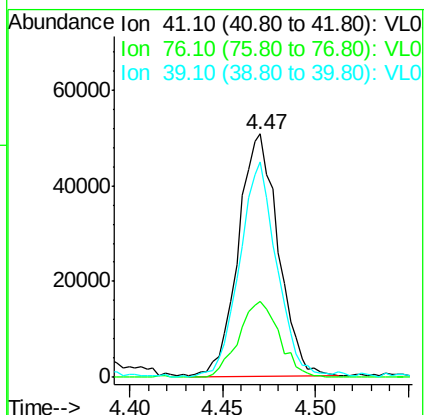
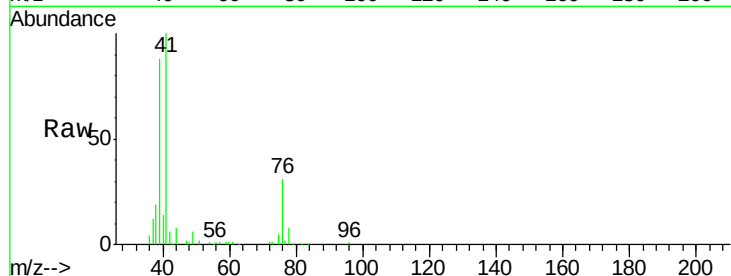
Tot Ion: 41 Resp: 75602

Ion Ratio Lower Upper

41 100

76 31.9 26.6 39.8

39 85.6 65.2 97.8



#22

trans-1,2-Dichloroethene

Concen: 0.993 ppbv

RT: 4.95 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

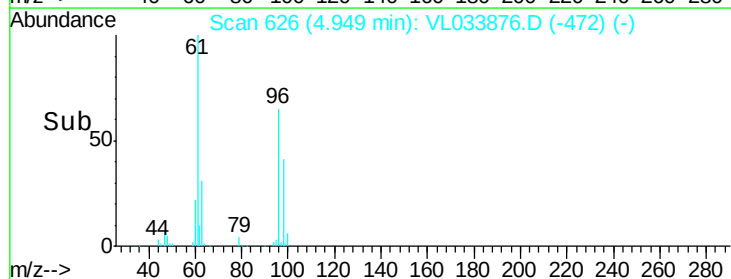
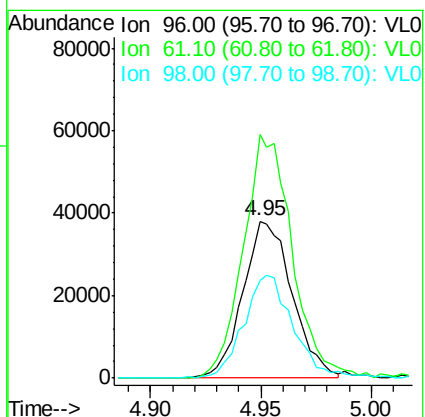
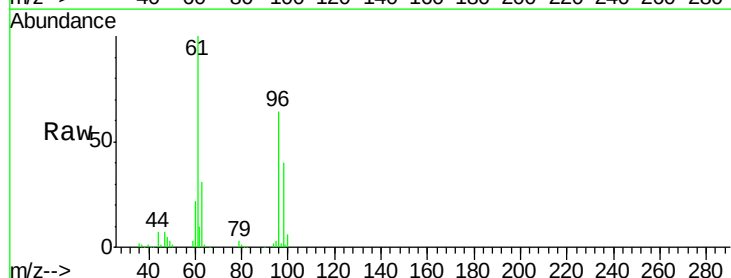
Tgt Ion: 96 Resp: 59103

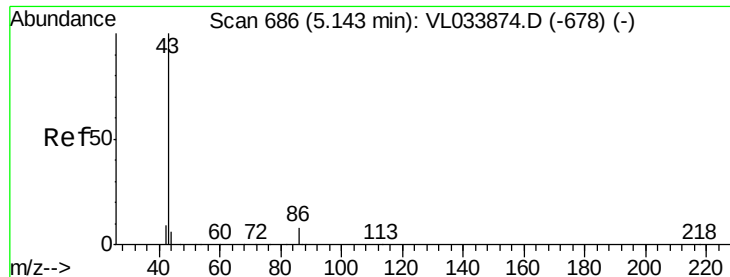
Ion Ratio Lower Upper

96 100

61 155.2 119.0 178.6

98 62.0 48.3 72.5





#23

Vinyl Acetate

Concen: 0.901 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 157173

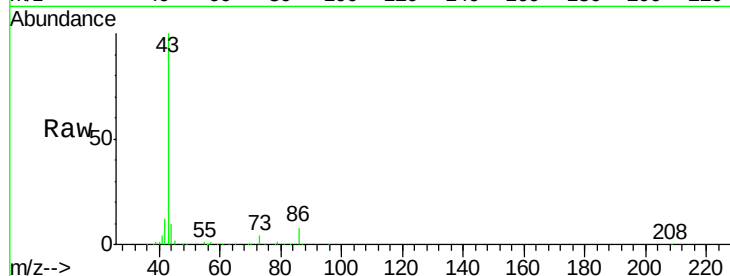
Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.8

42 11.0 7.8 11.8

44 8.3 4.2 6.4#

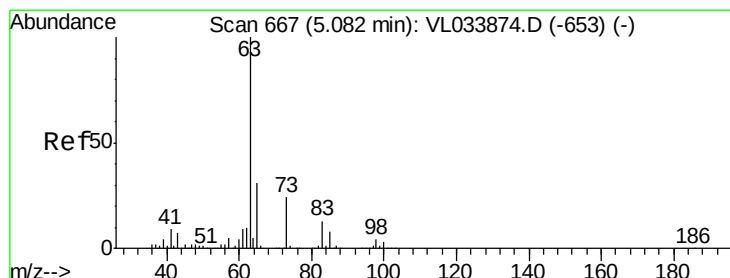
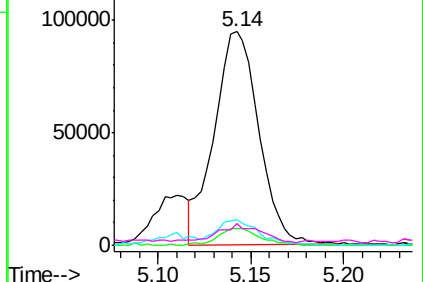
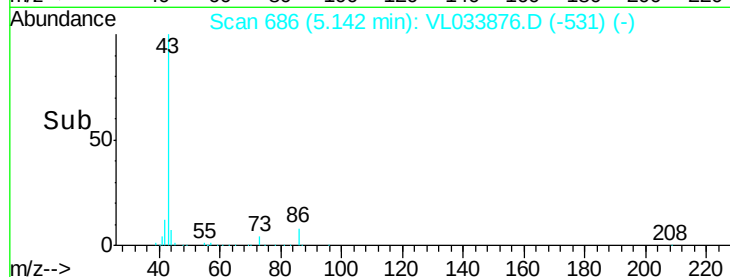


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.945 ppbv

RT: 5.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

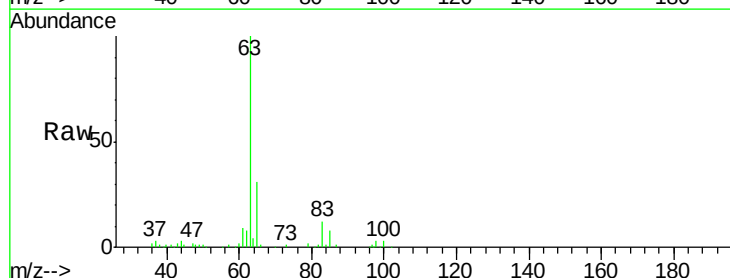
Tgt Ion: 63 Resp: 126325

Ion Ratio Lower Upper

63 100

98 2.9 2.2 6.6

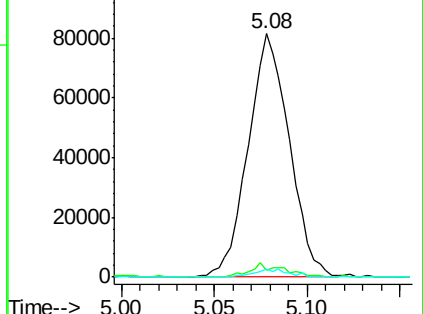
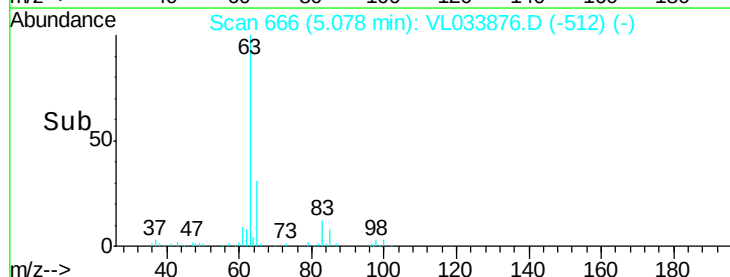
100 3.3 1.3 3.8

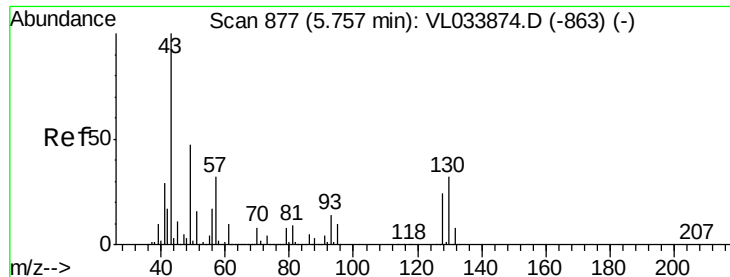


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.914 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 211722

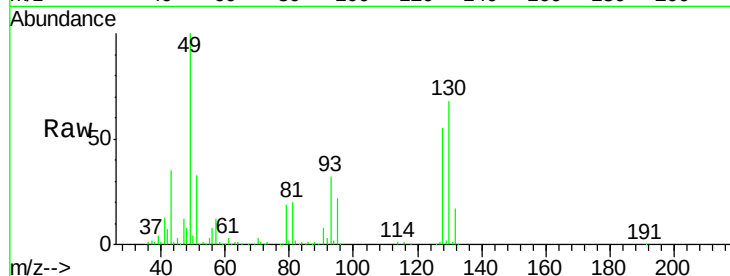
Ion Ratio Lower Upper

43 100

45 9.9 7.9 11.9

61 9.3 7.8 11.6

70 6.9 5.8 8.6

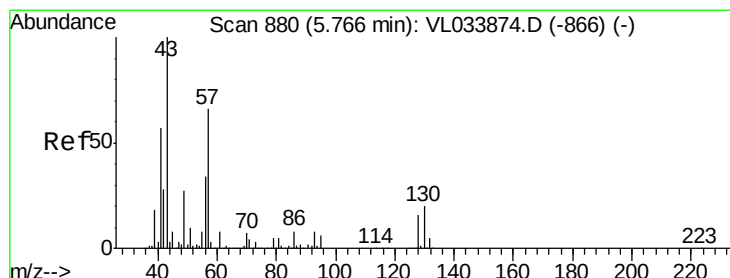
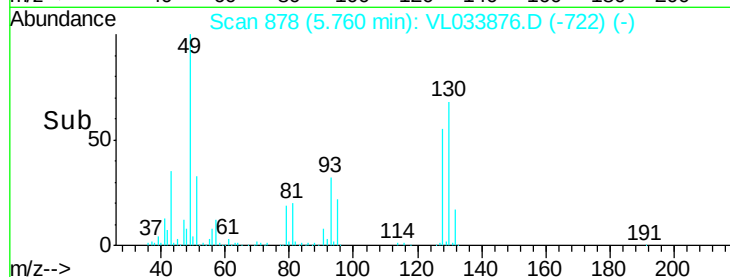
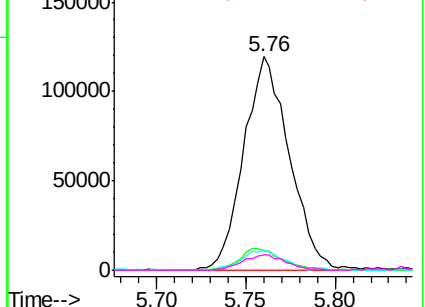


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.991 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion: 57 Resp: 98434

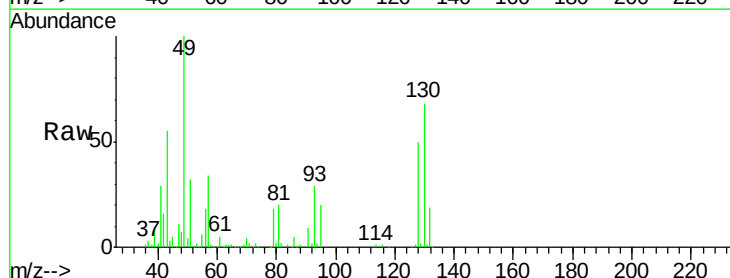
Ion Ratio Lower Upper

57 100

41 100.3 71.4 107.2

43 218.0 183.7 275.5

56 56.6 42.7 64.1

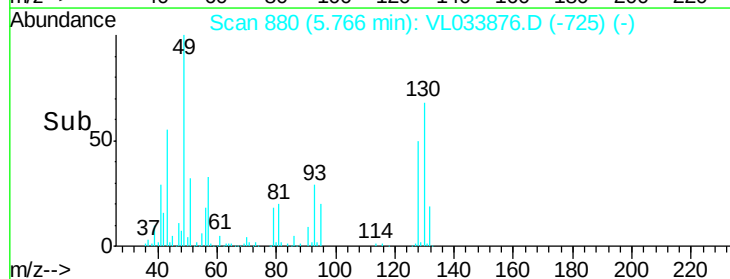
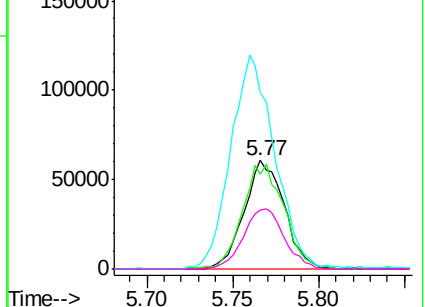


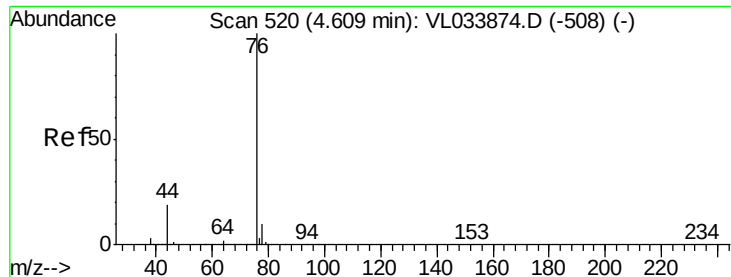
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.885 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

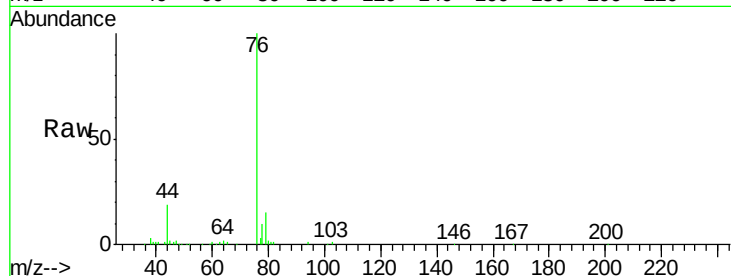
Tot Ion: 76 Resp: 122134

Ion Ratio Lower Upper

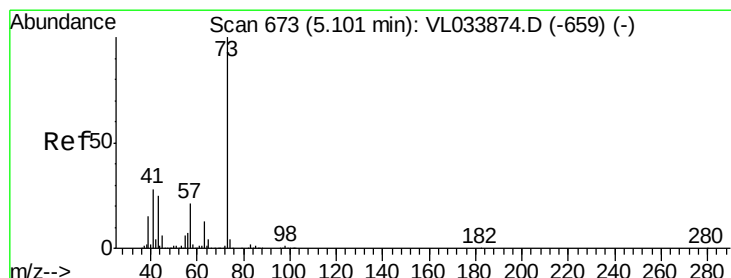
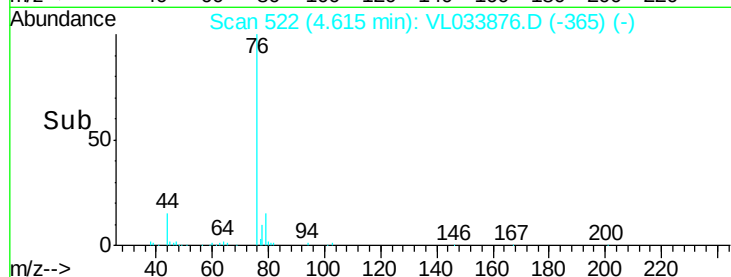
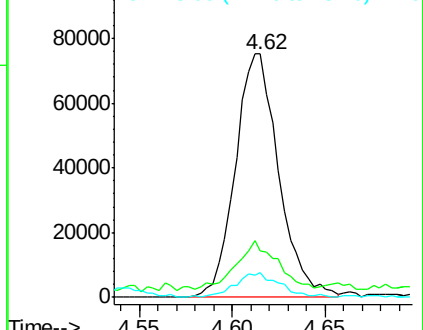
76 100

44 23.9 14.4 21.6#

78 11.0 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: 0.817 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.01 min

Lab File: VL033876.D

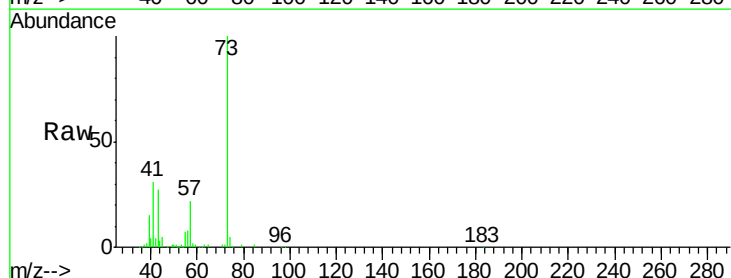
Acq: 7 Jun 2019 3:21

Tgt Ion: 73 Resp: 134463

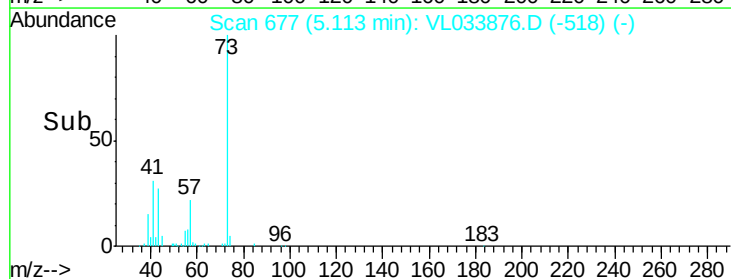
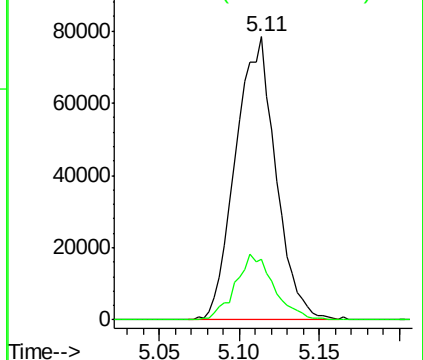
Ion Ratio Lower Upper

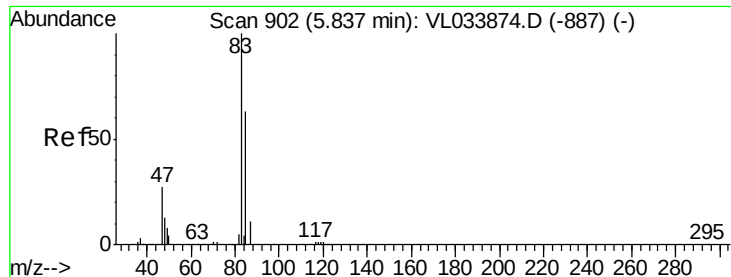
73 100

57 22.1 17.2 25.8



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

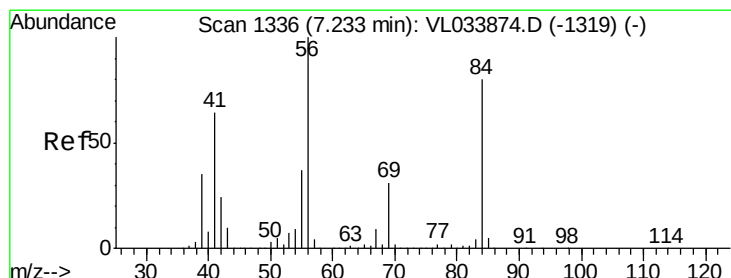
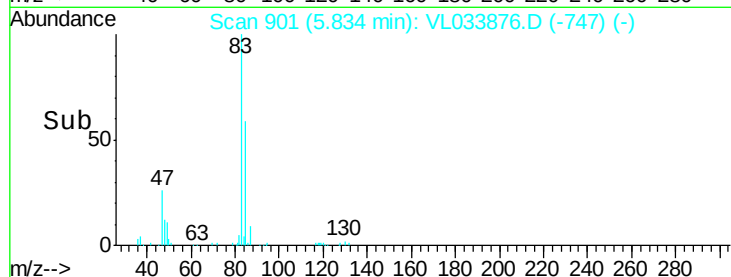
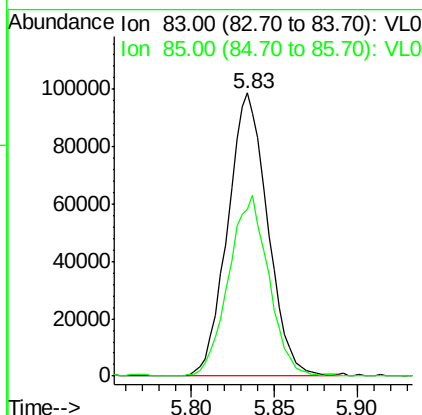
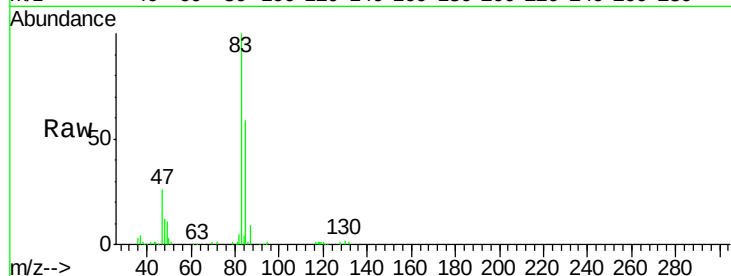




#29
Chloroform
Concen: 0.889 ppbv
RT: 5.83 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

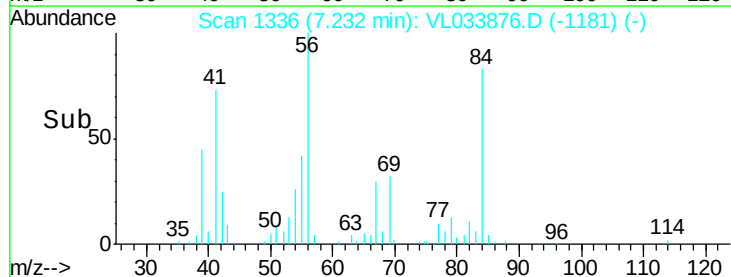
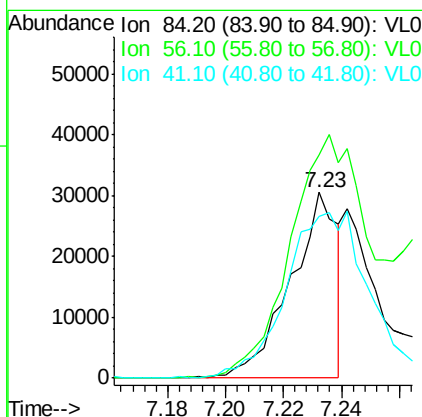
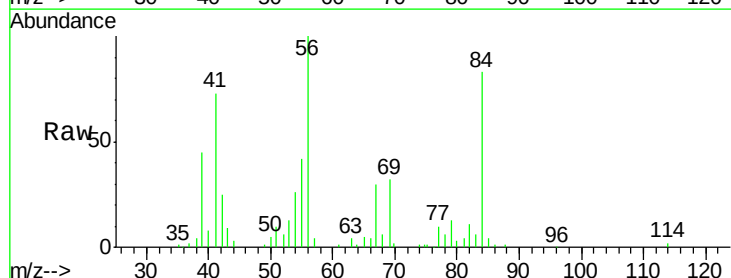
Instrument :
MSVOA_L
ClientSampleId :

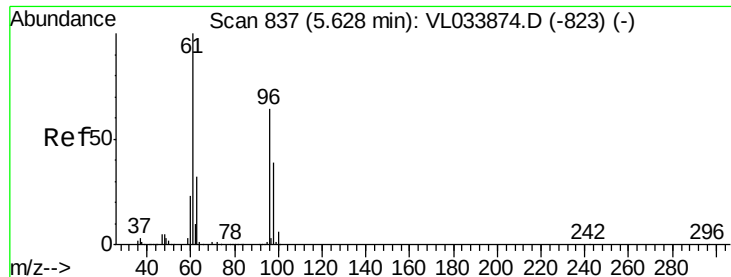
Tot Ion: 83 Resp: 163833
Ion Ratio Lower Upper
83 100
85 58.7 50.5 75.7



#30
Cyclohexane
Concen: 0.413 ppbv
RT: 7.23 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion: 84 Resp: 34245
Ion Ratio Lower Upper
84 100
56 211.8 105.8 158.8#
41 0.0 65.7 98.5#



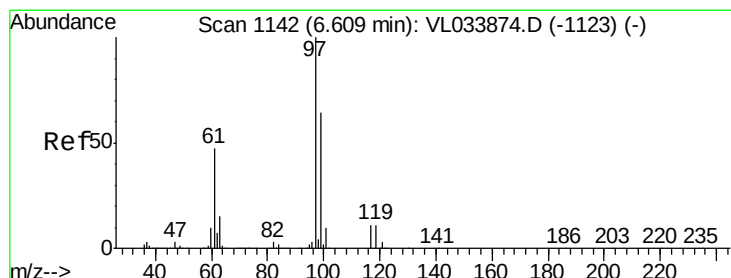
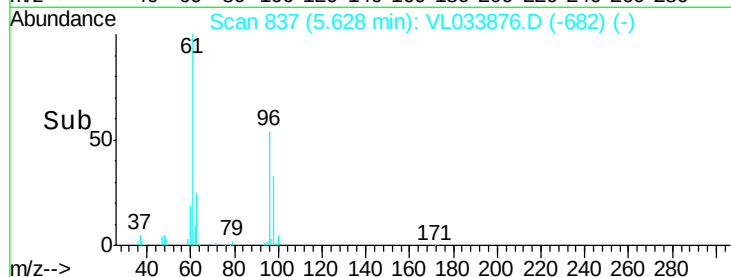
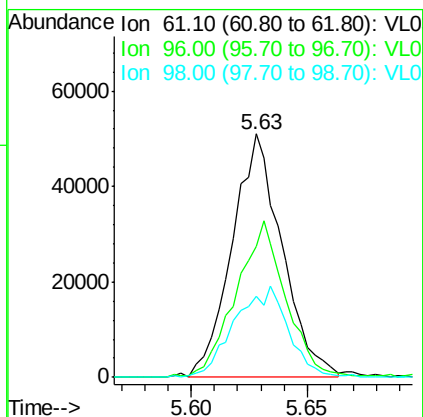
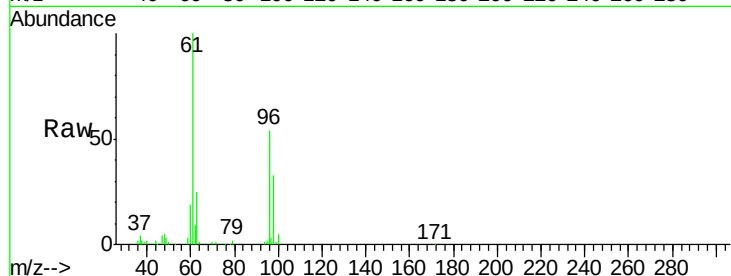


#31

cis-1,2-Dichloroethene
 Concen: 0.766 ppbv
 RT: 5.63 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :

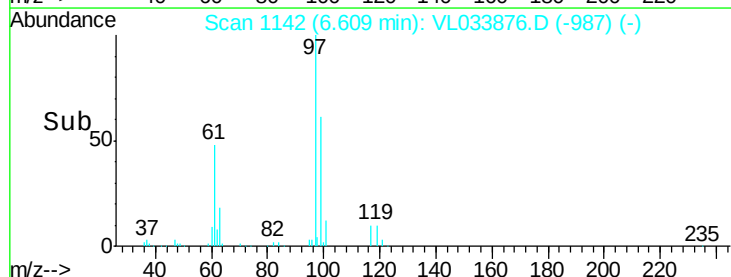
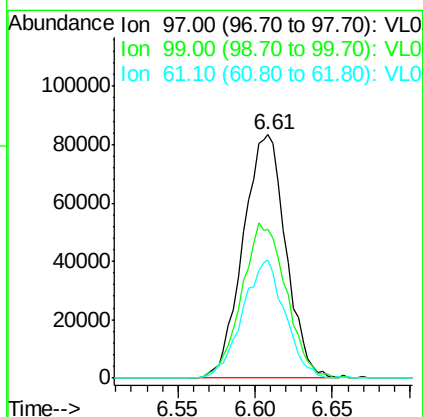
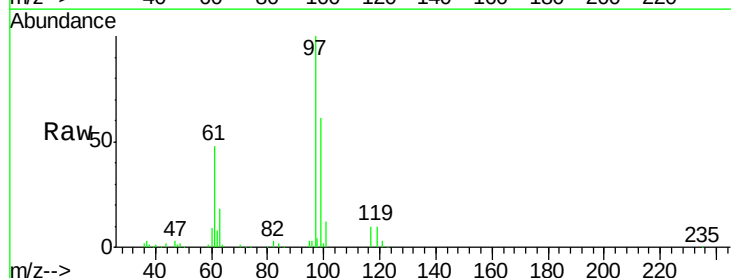
Tot Ion	61	Resp	76327
Ion Ratio	Lower	Upper	
61	100		
96	52.8	50.9	76.3
98	32.5	31.4	47.2

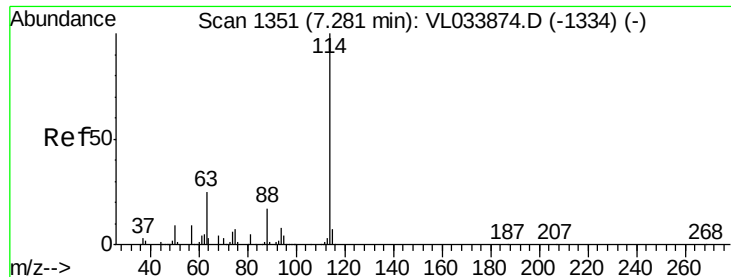


#32

1,1,1-Trichloroethane
 Concen: 0.871 ppbv
 RT: 6.61 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion	97	Resp	160459
Ion Ratio	Lower	Upper	
97	100		
99	65.8	51.7	77.5
61	48.0	37.7	56.5

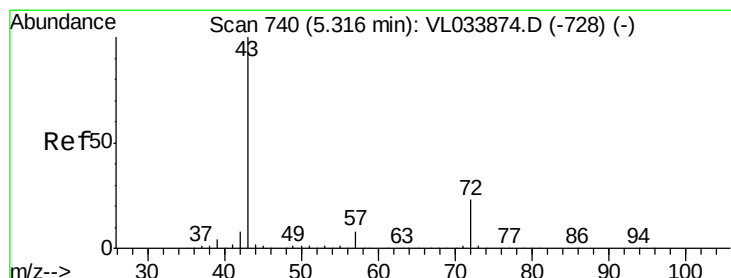
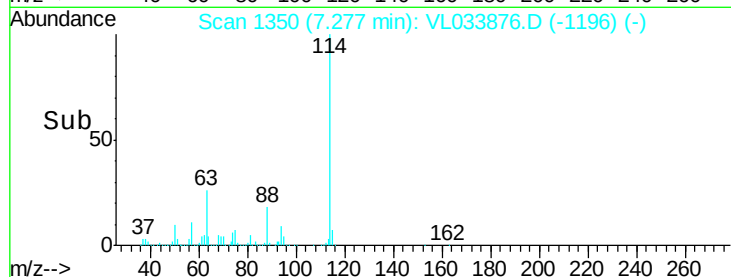
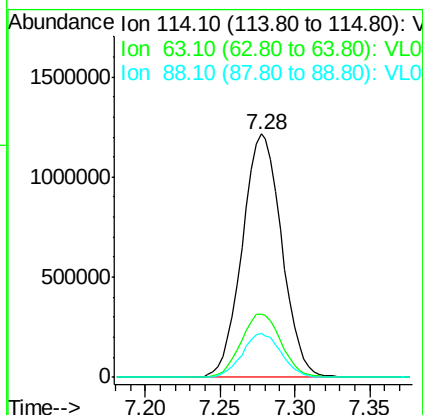
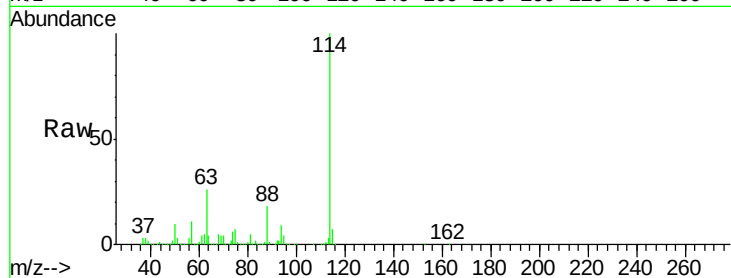




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

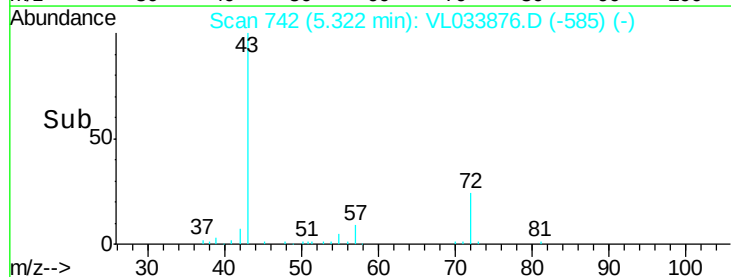
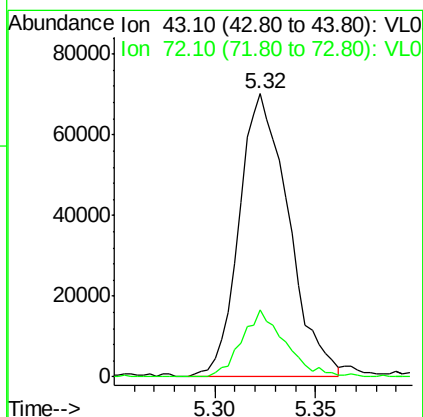
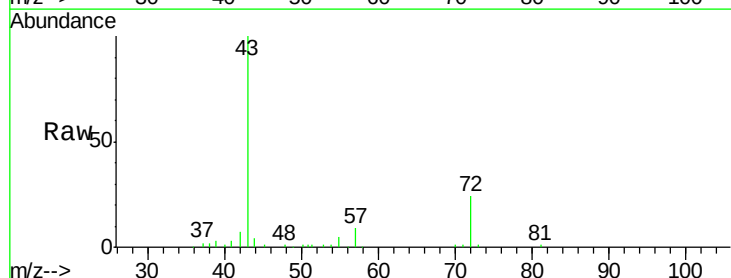
Instrument :
 MSVOA_L
 ClientSampleId :

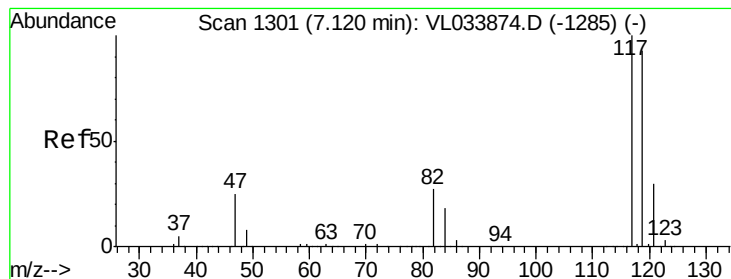
Tot Ion:114 Resp: 2231516
 Ion Ratio Lower Upper
 114 100
 63 26.6 21.1 31.7
 88 18.0 14.2 21.4



#34
 2-Butanone
 Concen: 0.873 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion: 43 Resp: 120382
 Ion Ratio Lower Upper
 43 100
 72 21.3 17.9 26.9





#35

Carbon Tetrachloride

Concen: 0.958 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampled :

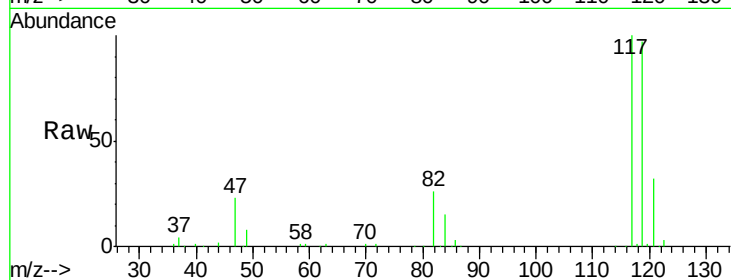
Tot Ion:117 Resp: 171476

Ion Ratio Lower Upper

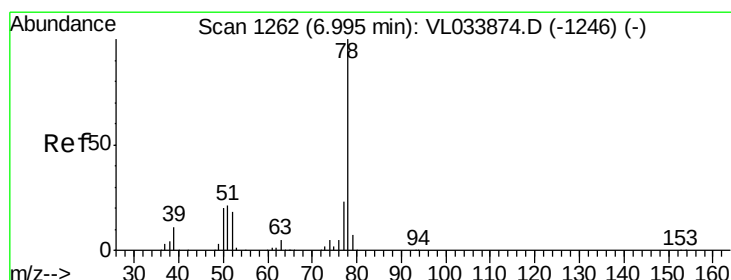
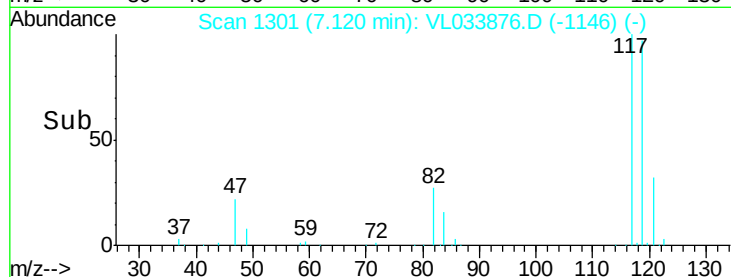
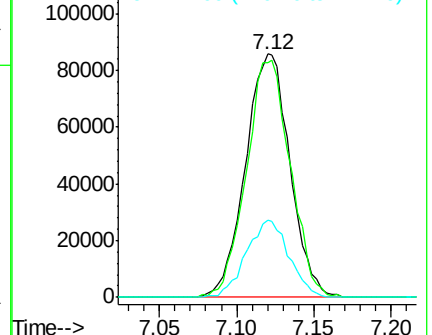
117 100

119 97.7 74.6 111.8

121 31.9 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: 0.799 ppbv

RT: 6.99 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

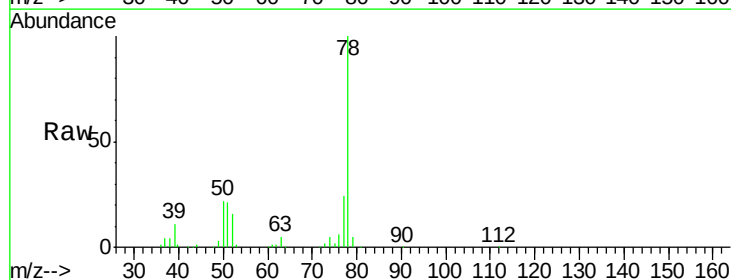
Tgt Ion: 78 Resp: 159328

Ion Ratio Lower Upper

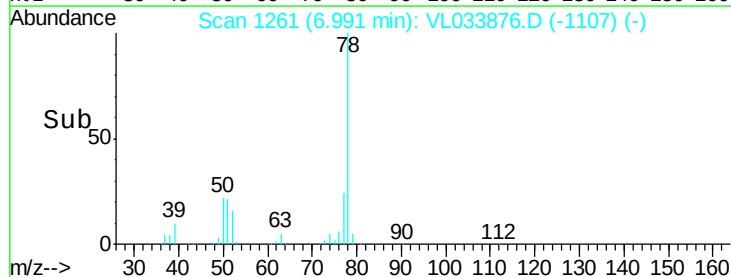
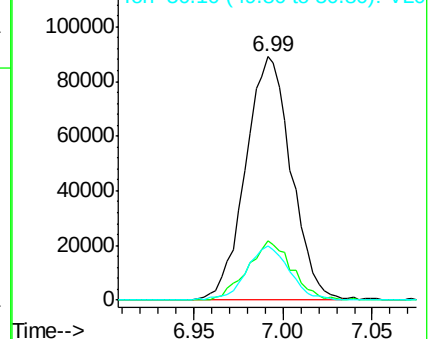
78 100

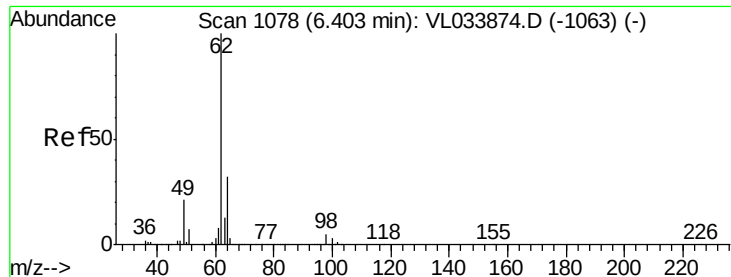
77 24.1 18.2 27.2

50 21.8 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

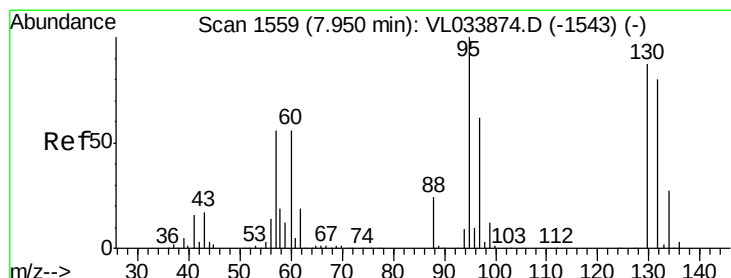
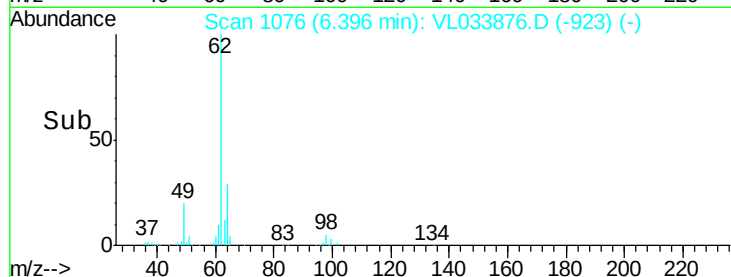
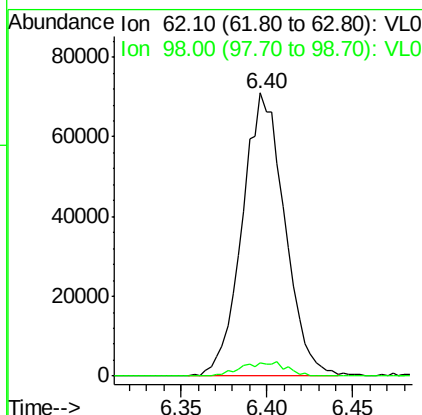
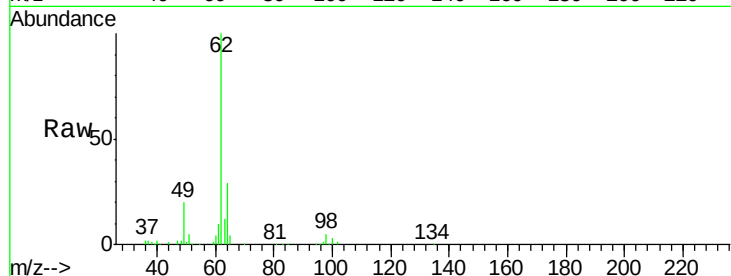




#37
 1,2-Dichloroethane
 Concen: 0.927 ppbv
 RT: 6.40 min Scan# 1076
 Delta R.T. -0.01 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

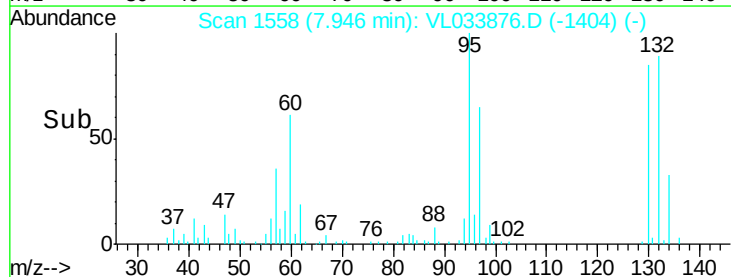
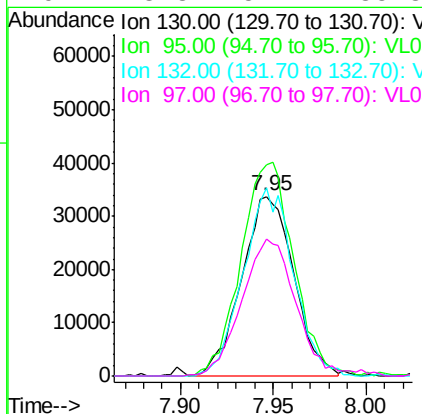
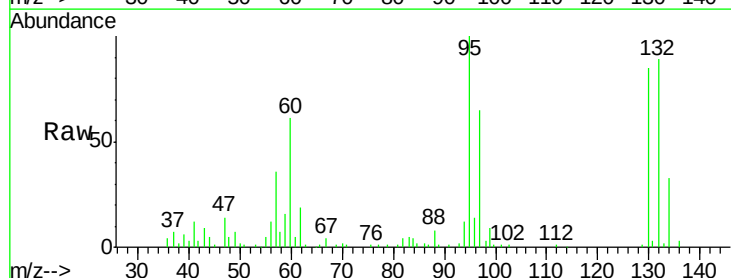
Instrument :
 MSVOA_L
 ClientSampleId :

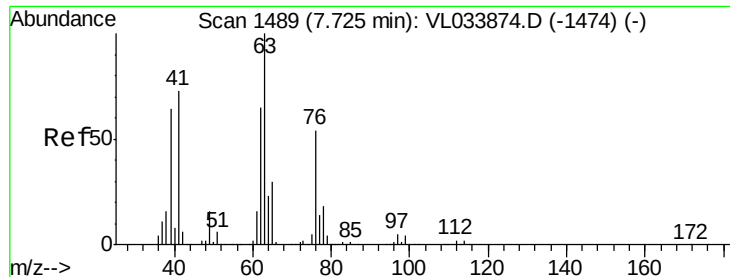
Tot Ion: 62 Resp: 121969
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.0 6.0



#38
 Trichloroethene
 Concen: 0.875 ppbv
 RT: 7.95 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion:130 Resp: 66149
 Ion Ratio Lower Upper
 130 100
 95 114.5 92.0 138.0
 132 102.4 73.8 110.8
 97 73.8 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.780 ppbv

RT: 7.72 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

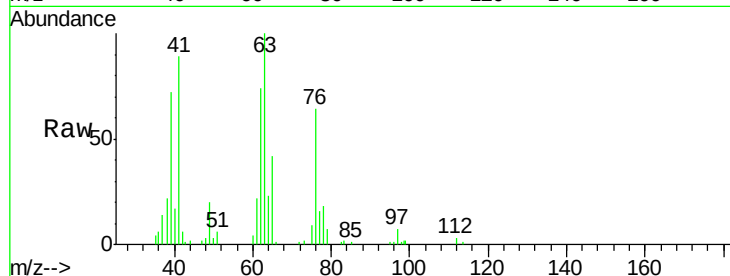
Tot Ion: 63 Resp: 58261

Ion Ratio Lower Upper

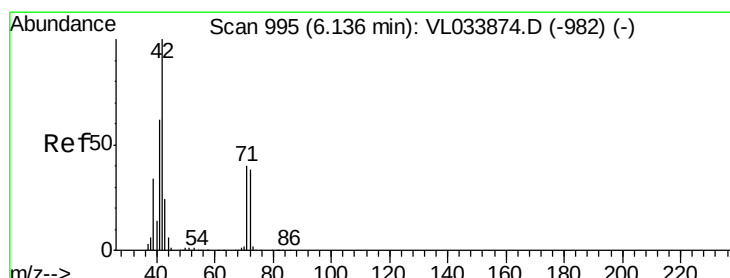
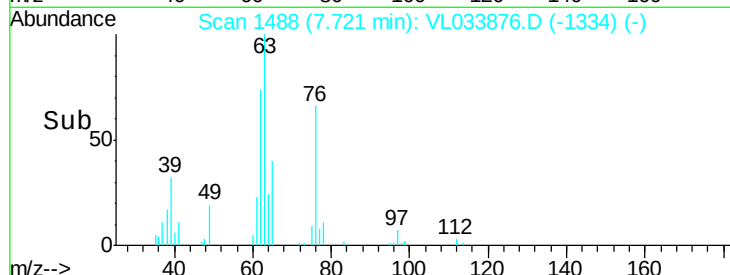
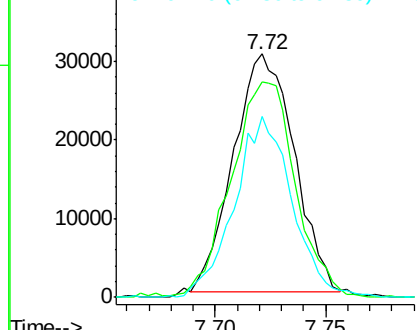
63 100

41 87.5 58.7 88.1

62 73.3 51.9 77.9



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



#41

Tetrahydrofuran

Concen: 0.780 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

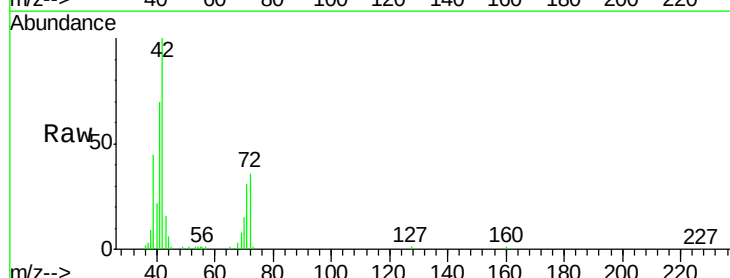
Tgt Ion: 42 Resp: 59145

Ion Ratio Lower Upper

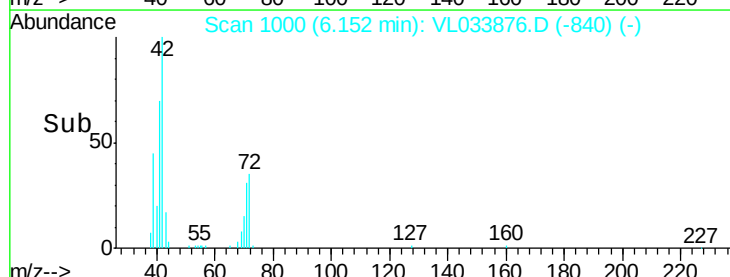
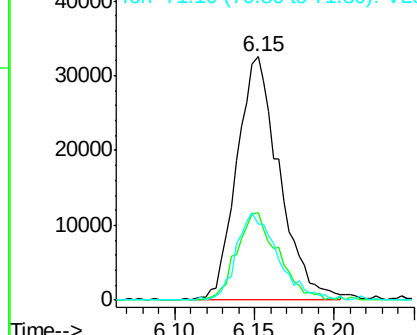
42 100

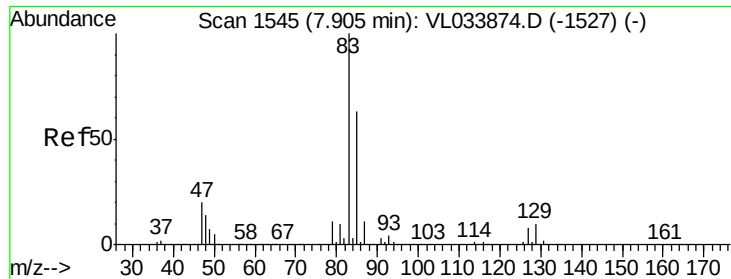
72 34.9 32.2 48.4

71 35.1 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: 0.887 ppbv

RT: 7.90 min Scan# 1544

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampled :

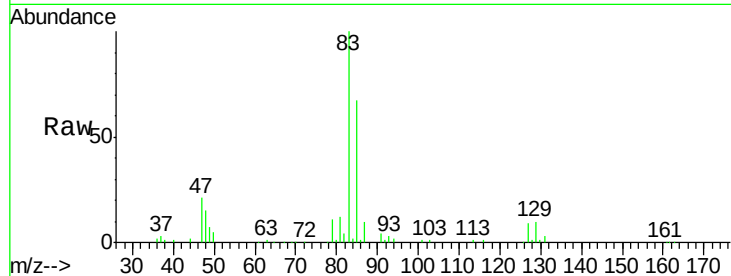
Tot Ion: 83 Resp: 159046

Ion Ratio Lower Upper

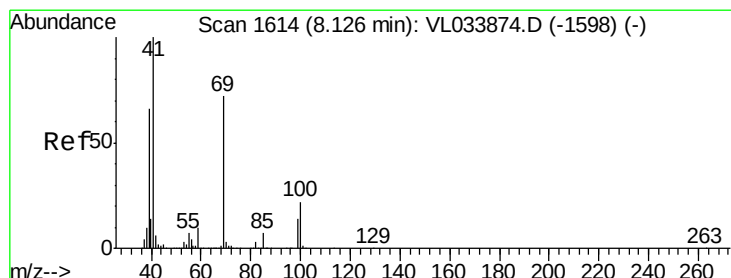
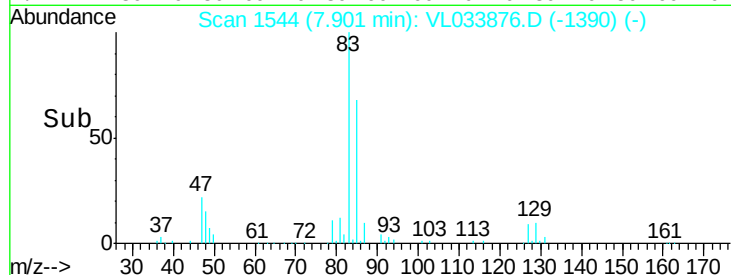
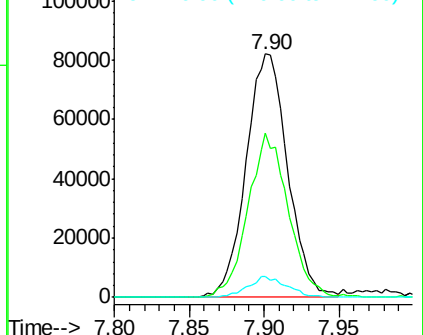
83 100

85 67.4 50.2 75.2

127 8.8 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): VL0



#43

Methyl Methacrylate

Concen: 0.726 ppbv

RT: 8.12 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

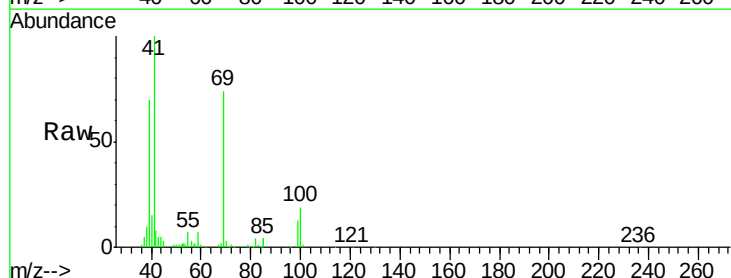
Tgt Ion: 69 Resp: 53746

Ion Ratio Lower Upper

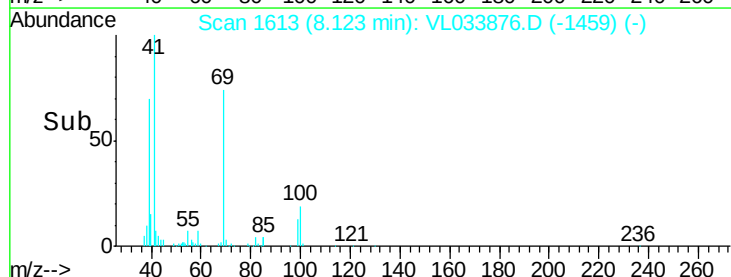
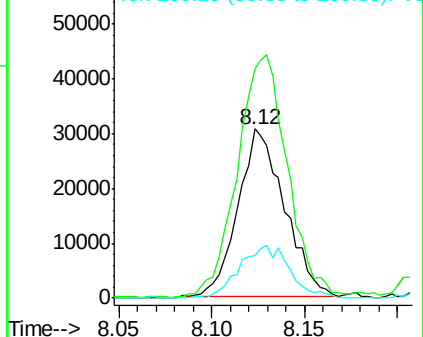
69 100

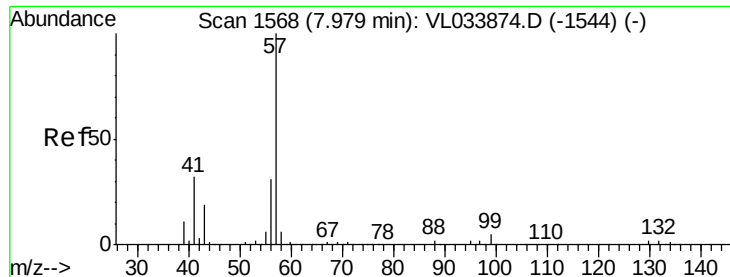
41 156.0 114.3 171.5

100 33.4 24.8 37.2



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.870 ppbv

RT: 7.98 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

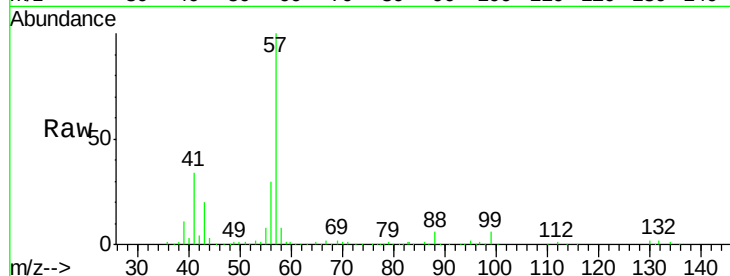
Tot Ion: 57 Resp: 295373

Ion Ratio Lower Upper

57 100

41 35.7 26.1 39.1

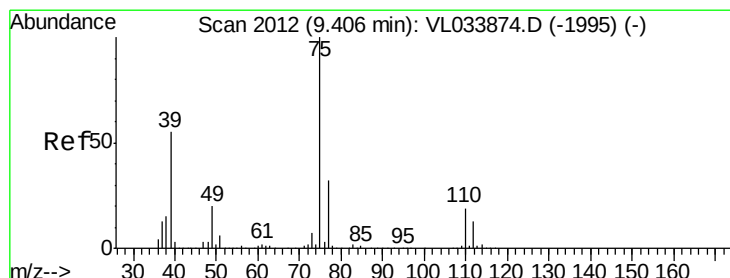
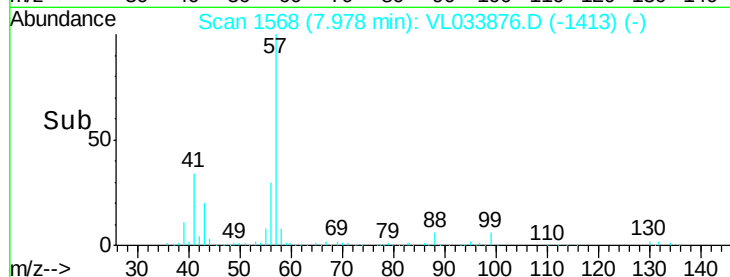
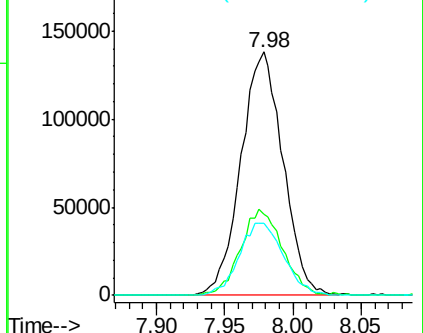
56 31.5 24.6 36.8



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#45

t-1,3-Dichloropropene

Concen: 0.695 ppbv

RT: 9.40 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VL033876.D

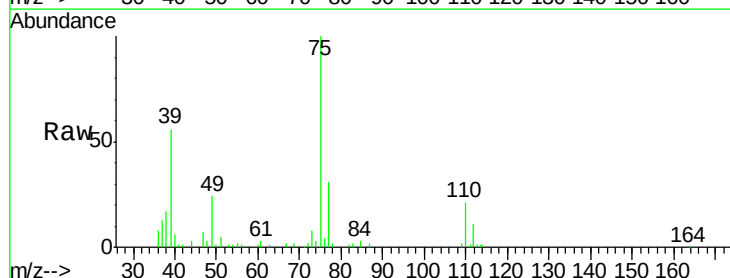
Acq: 7 Jun 2019 3:21

Tgt Ion: 75 Resp: 65148

Ion Ratio Lower Upper

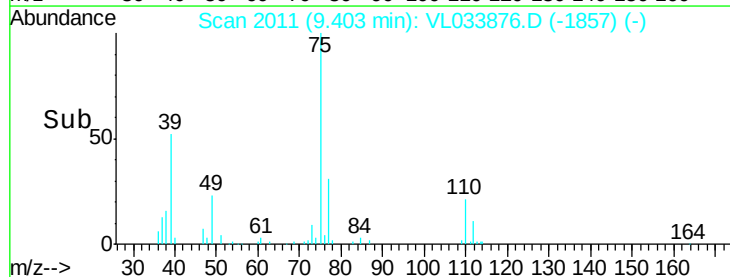
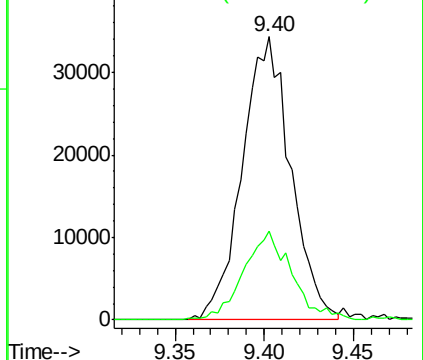
75 100

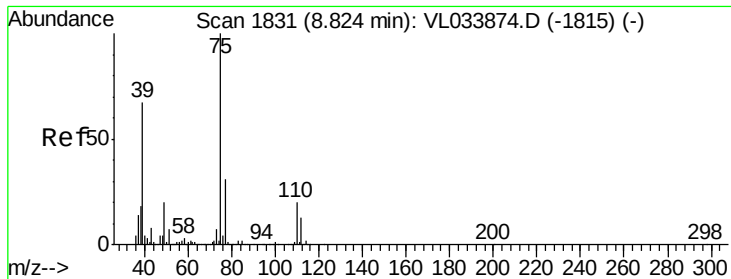
77 33.2 25.4 38.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



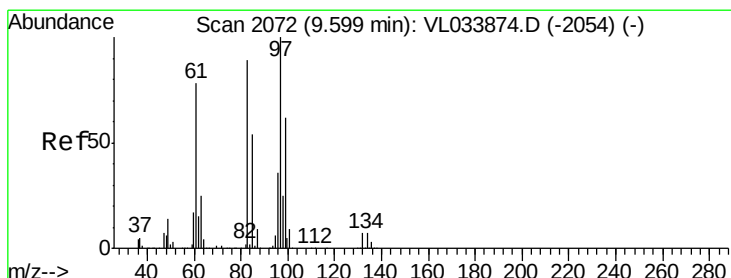
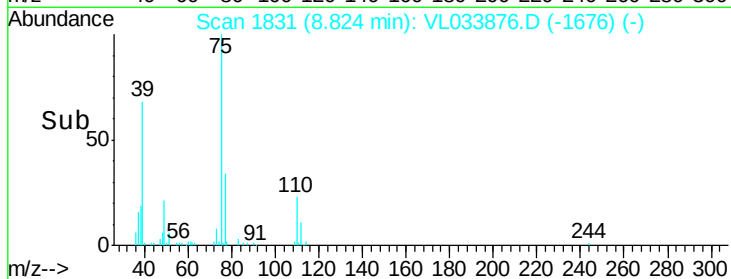
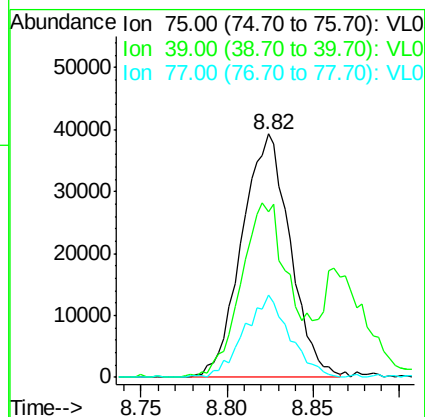
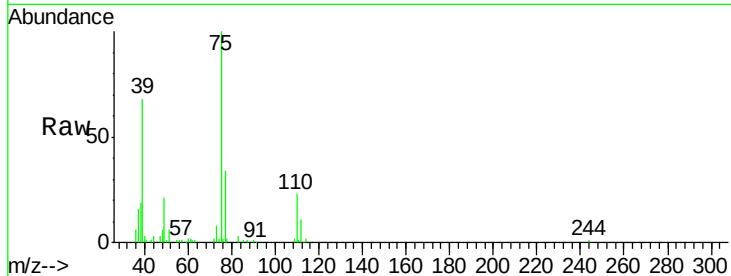


#46

cis-1,3-Dichloropropene
Concen: 0.700 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :

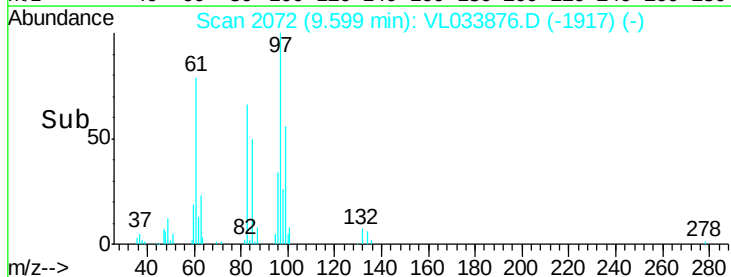
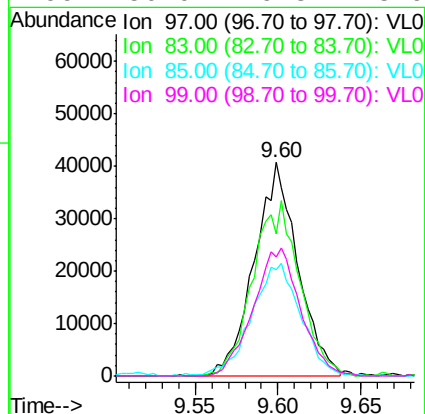
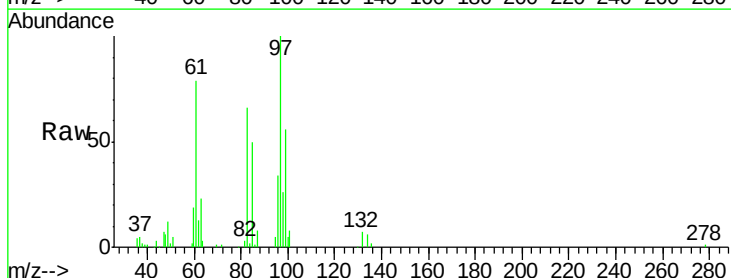
Tot Ion	Ratio	Lower	Upper
75	100		
39	66.7	53.8	80.8
77	33.6	24.6	36.8

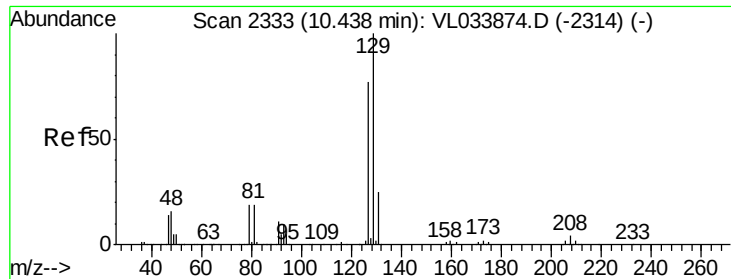


#47

1,1,2-Trichloroethane
Concen: 0.870 ppbv
RT: 9.60 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	66.4	70.9	106.3#
85	49.1	43.0	64.6
99	56.0	49.3	73.9





#48

Dibromochloromethane

Concen: 0.853 ppbv

RT: 10.43 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

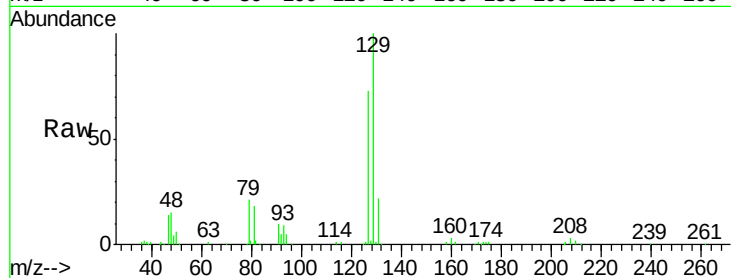
ClientSampleId :

Tot Ion:129 Resp: 127119

Ion Ratio Lower Upper

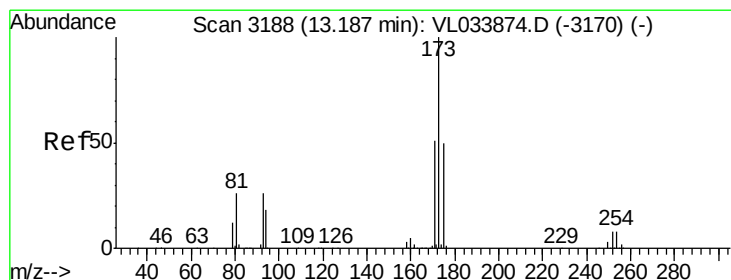
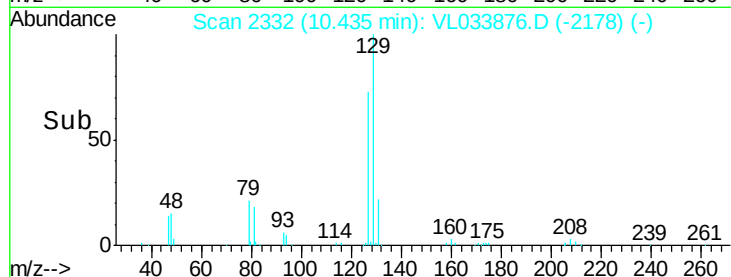
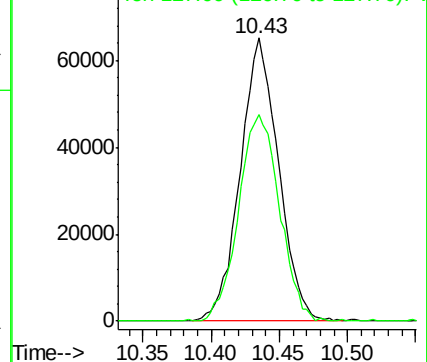
129 100

127 78.1 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: 0.851 ppbv

RT: 13.18 min Scan# 3186

Delta R.T. -0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

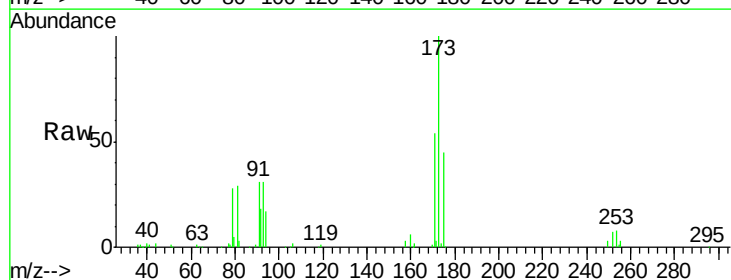
Tgt Ion:173 Resp: 108765

Ion Ratio Lower Upper

173 100

175 45.9 39.6 59.4

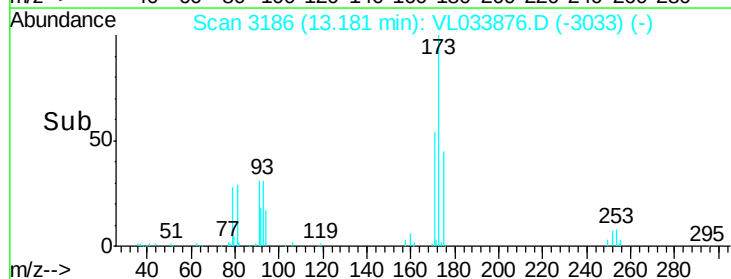
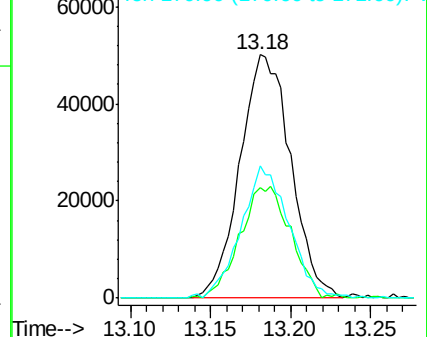
171 51.5 41.8 62.8

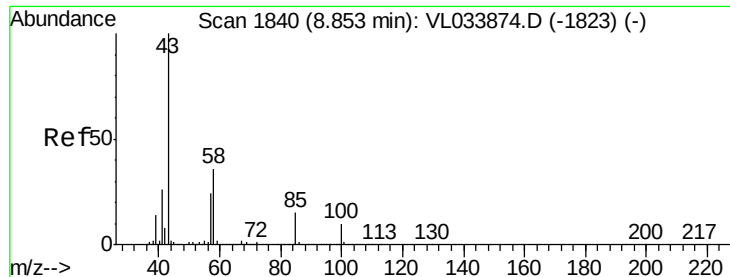


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

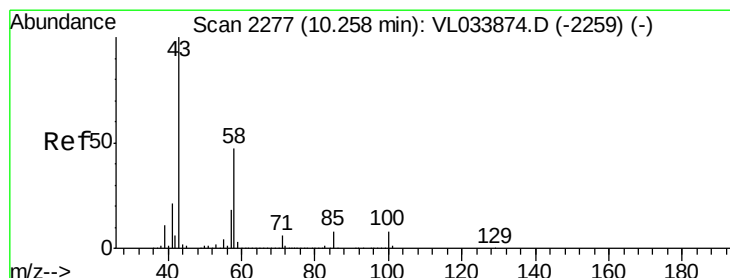
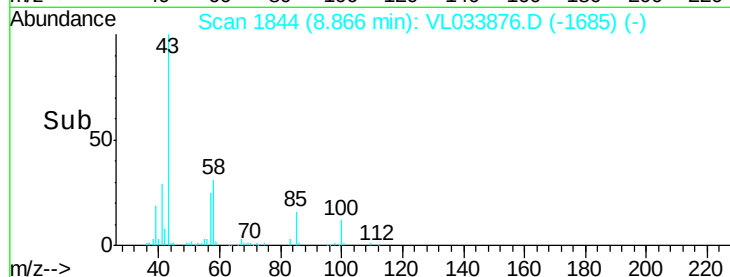
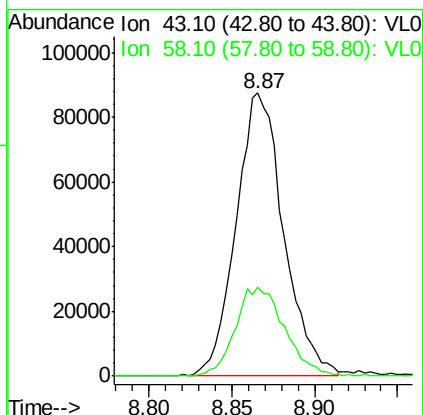
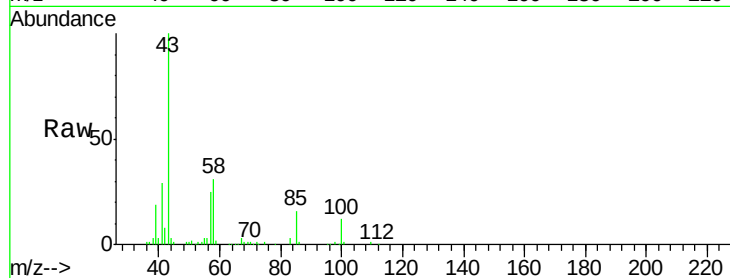




#50
4-Methyl-2-Pentanone
Concen: 0.825 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

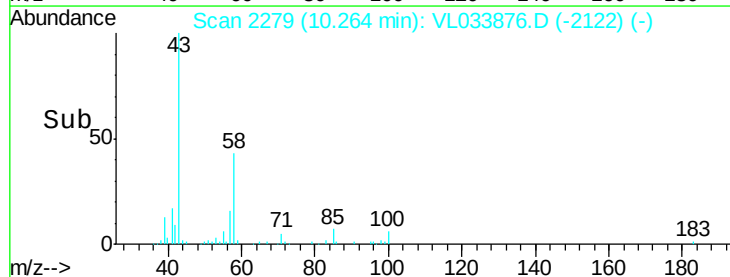
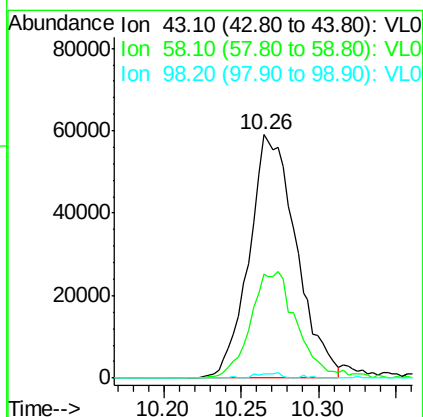
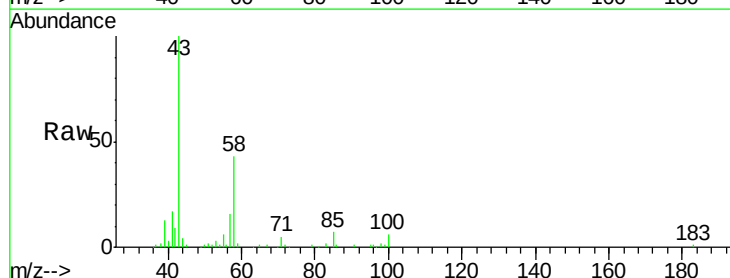
Instrument :
MSVOA_L
ClientSampleId :

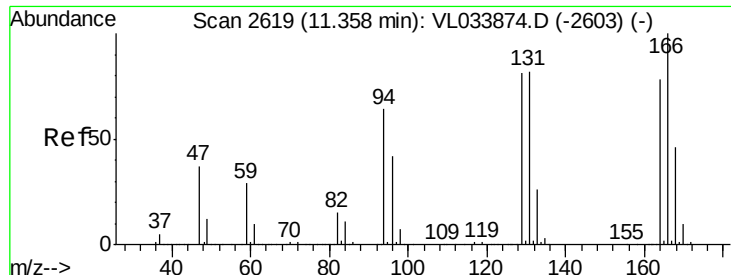
Tot Ion: 43 Resp: 173363
Ion Ratio Lower Upper
43 100
58 32.8 28.6 42.8



#51
2-Hexanone
Concen: 0.763 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion: 43 Resp: 125170
Ion Ratio Lower Upper
43 100
58 43.9 38.2 57.4
98 1.4 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.844 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. -0.00 min

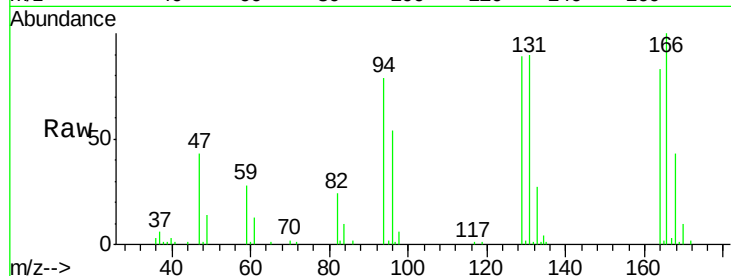
Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampled :



Tot Ion:164 Resp: 59894

Ion Ratio Lower Upper

164 100

166 119.7 103.1 154.7

129 110.3 83.9 125.9

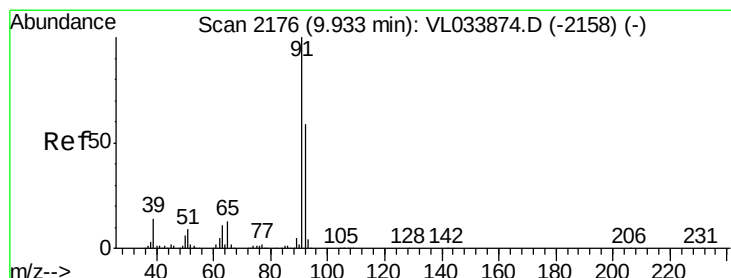
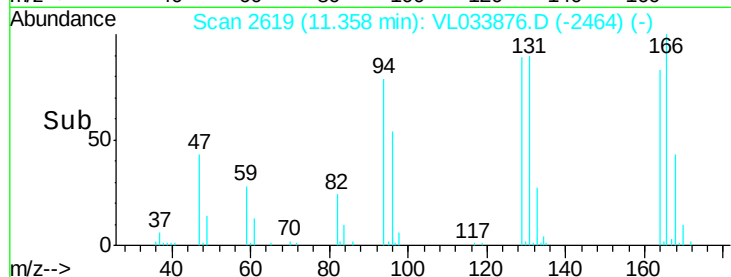
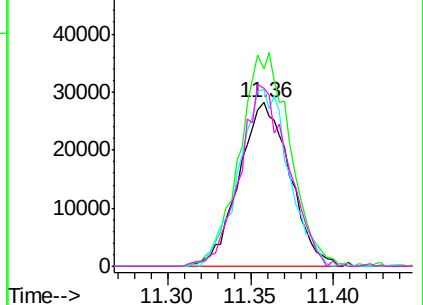
131 108.5 85.1 127.7

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: 0.732 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033876.D

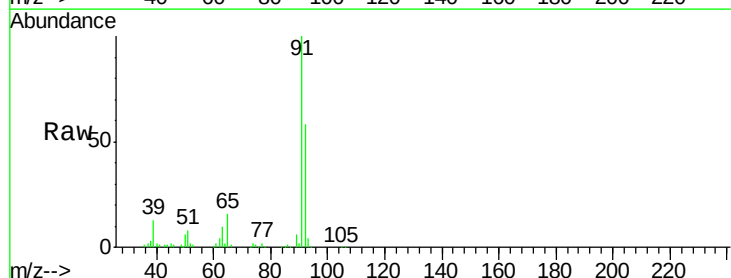
Acq: 7 Jun 2019 3:21

Tgt Ion: 91 Resp: 158594

Ion Ratio Lower Upper

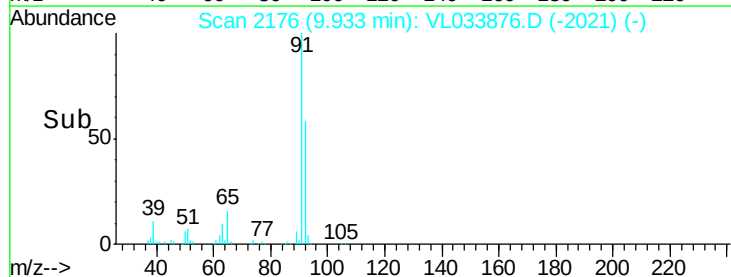
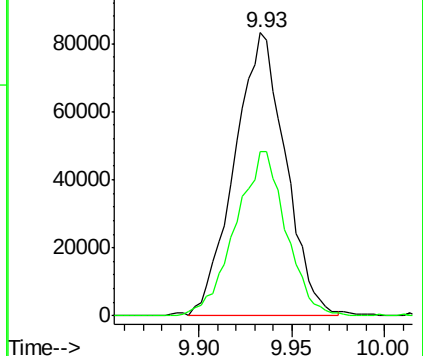
91 100

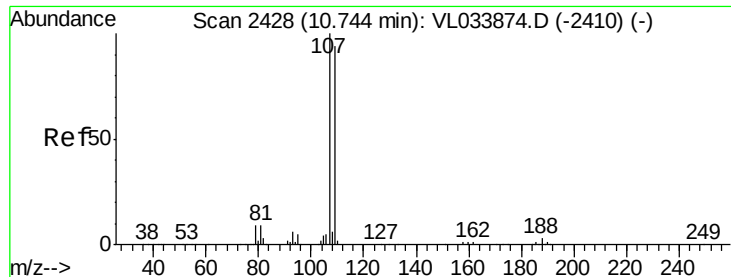
92 57.7 47.0 70.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.814 ppbv

RT: 10.75 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

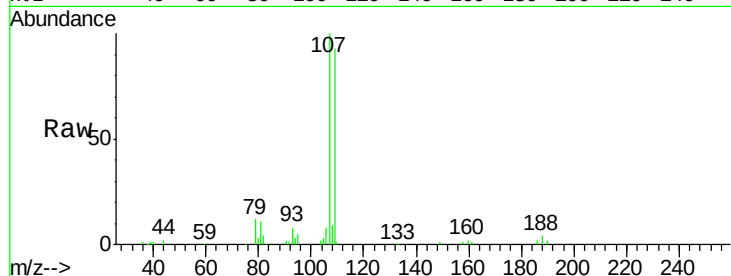
ClientSampled :

Tot Ion:107 Resp: 106206

Ion Ratio Lower Upper

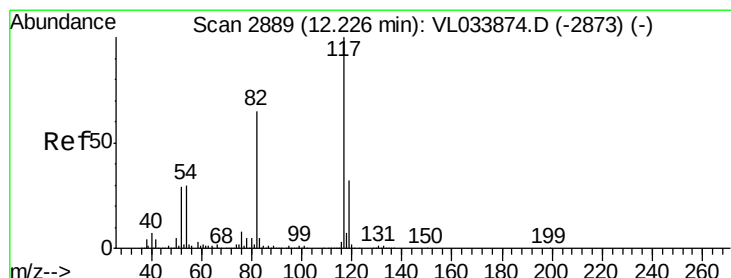
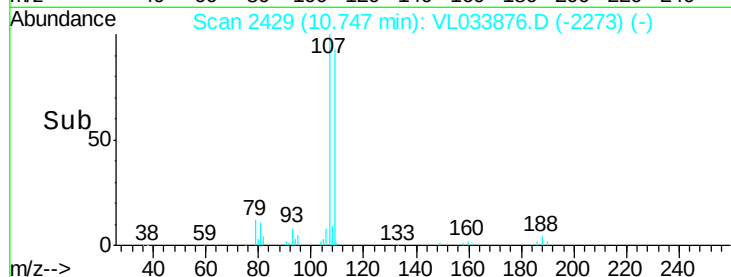
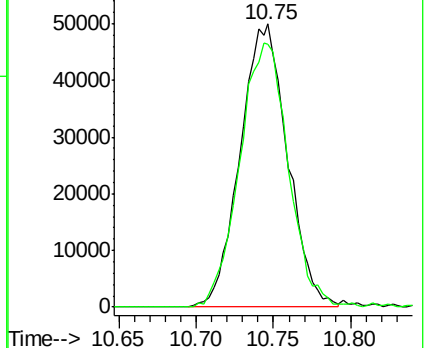
107 100

109 92.9 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: VL033876.D

Acq: 7 Jun 2019 3:21

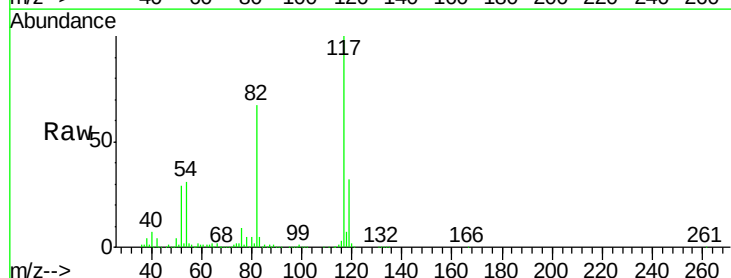
Tgt Ion:117 Resp: 2212524

Ion Ratio Lower Upper

117 100

82 65.4 50.2 75.2

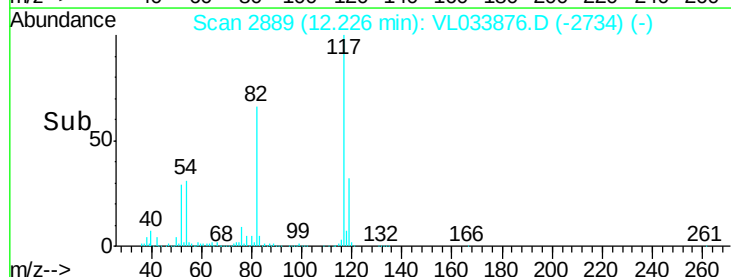
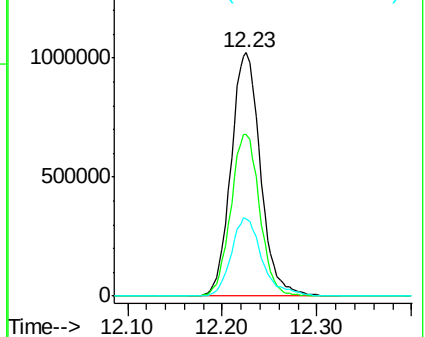
119 33.8 24.8 37.2

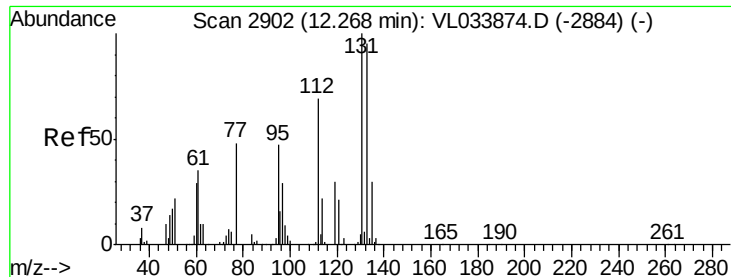


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

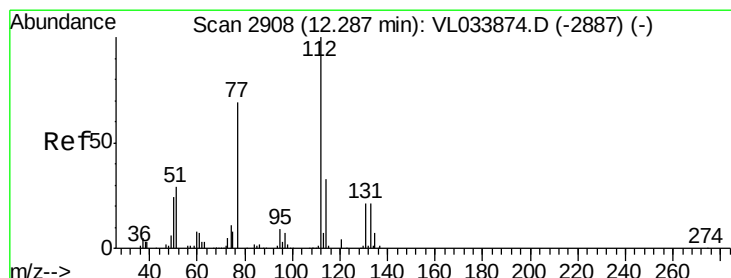
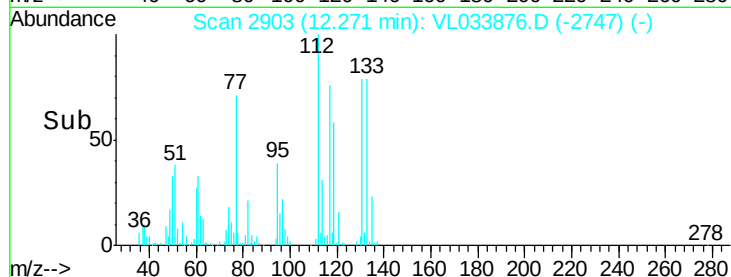
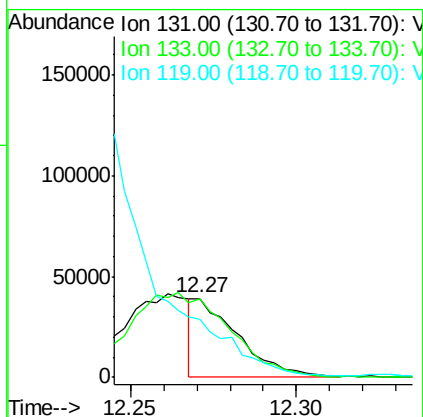
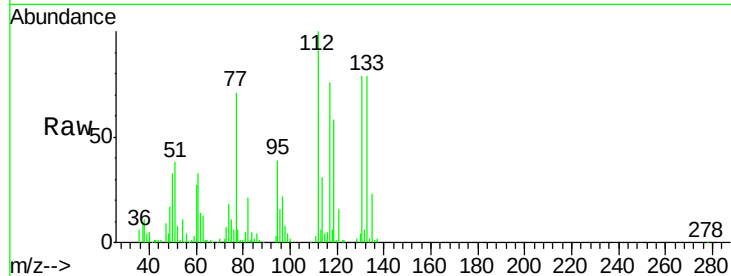




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.343 ppbv
 RT: 12.27 min Scan# 2903
 Delta R.T. 0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

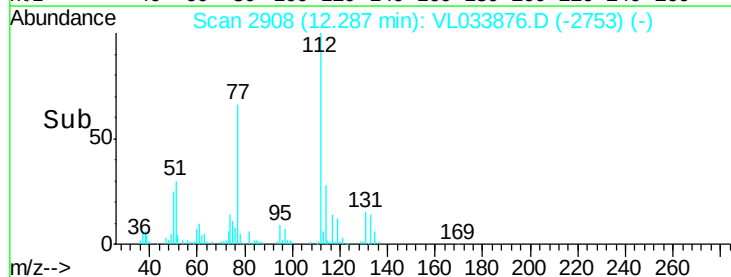
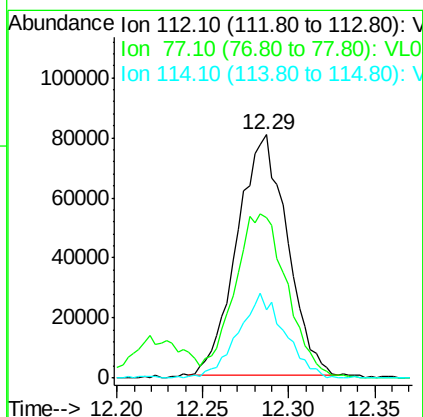
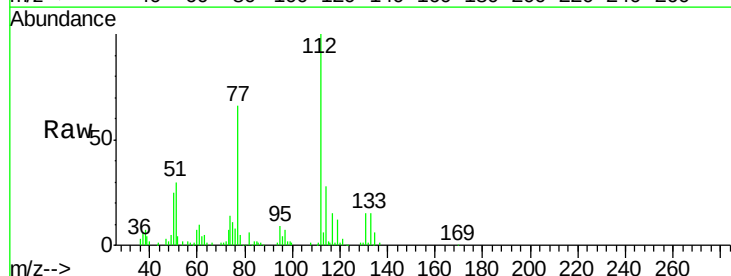
Instrument :
 MSVOA_L
 ClientSampleId :

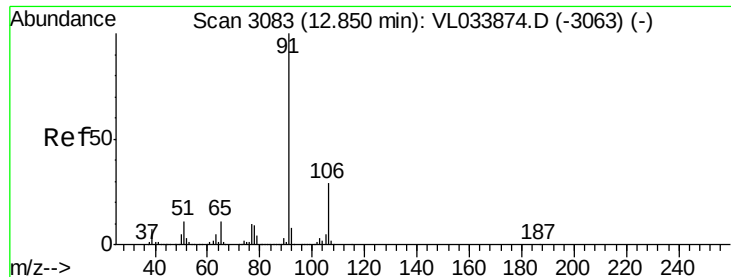
Tot Ion:131 Resp: 34806
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.5 114.7#
 119 0.0 42.6 64.0#



#57
 Chlorobenzene
 Concen: 0.894 ppbv
 RT: 12.29 min Scan# 2908
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion:112 Resp: 161172
 Ion Ratio Lower Upper
 112 100
 77 65.5 55.8 83.6
 114 28.2 29.8 36.4#





#58

Ethyl Benzene

Concen: 0.797 ppbv

RT: 12.85 min Scan# 3083

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

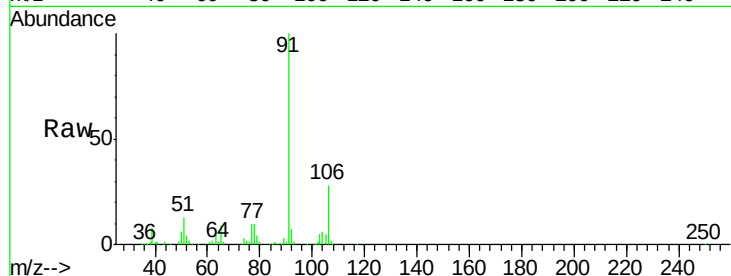
ClientSampleId :

Tot Ion: 91 Resp: 229306

Ion Ratio Lower Upper

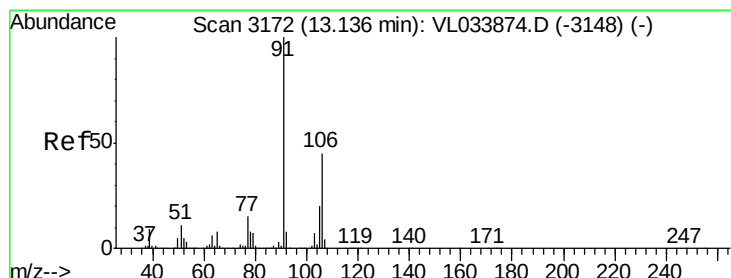
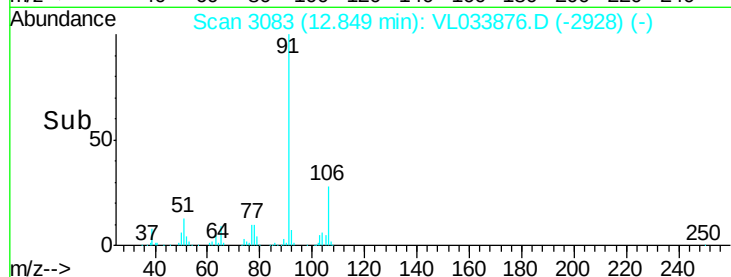
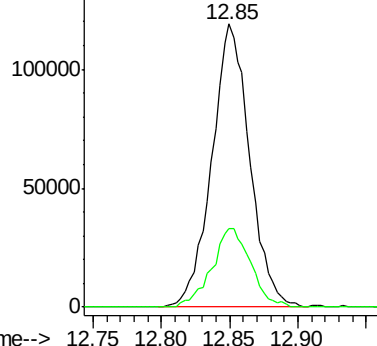
91 100

106 27.7 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: 1.030 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.00 min

Lab File: VL033876.D

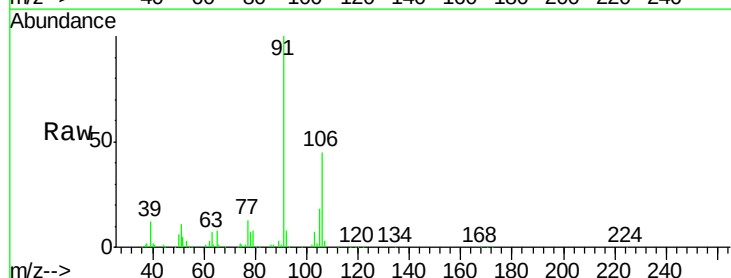
Acq: 7 Jun 2019 3:21

Tgt Ion: 91 Resp: 260506

Ion Ratio Lower Upper

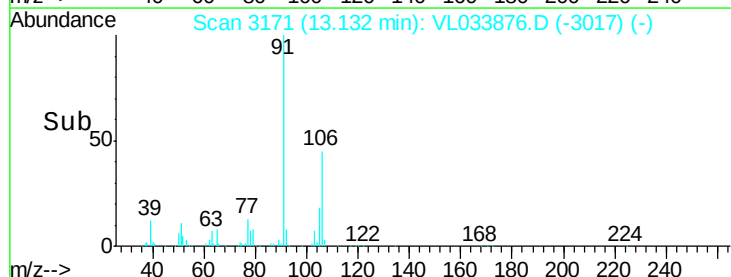
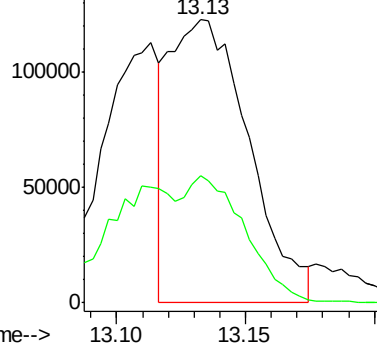
91 100

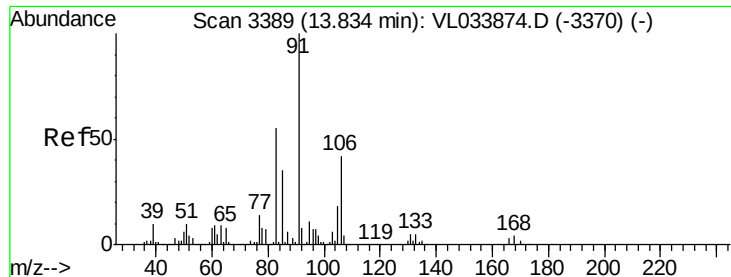
106 72.0 35.8 53.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.861 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

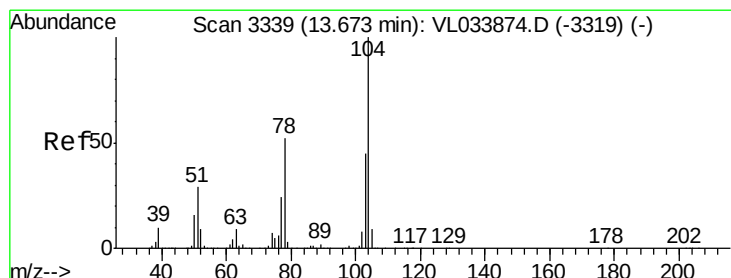
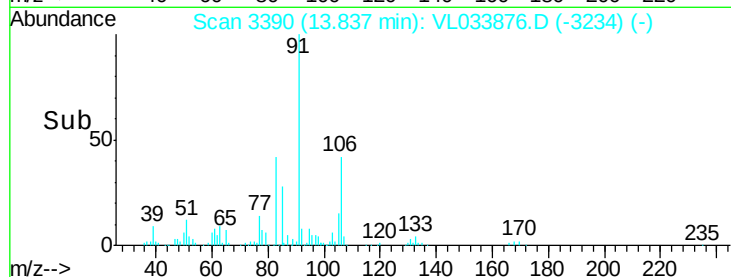
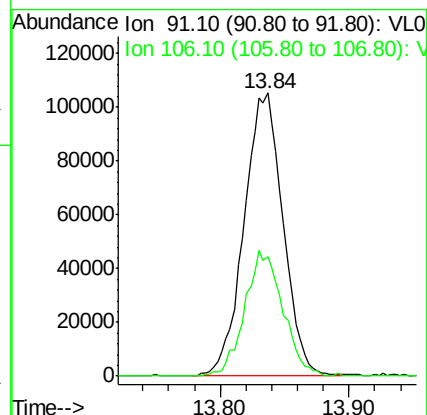
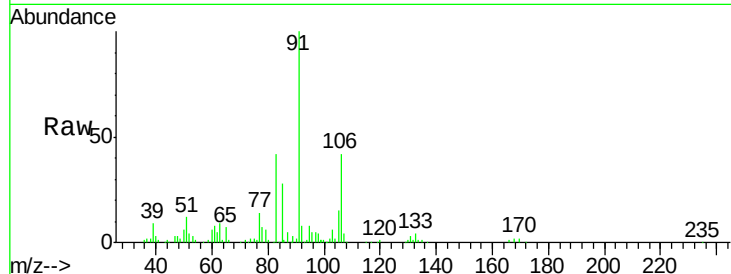
ClientSampleId :

Tot Ion: 91 Resp: 221706

Ion Ratio Lower Upper

91 100

106 43.4 21.7 65.1



#61

Styrene

Concen: 0.756 ppbv

RT: 13.67 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

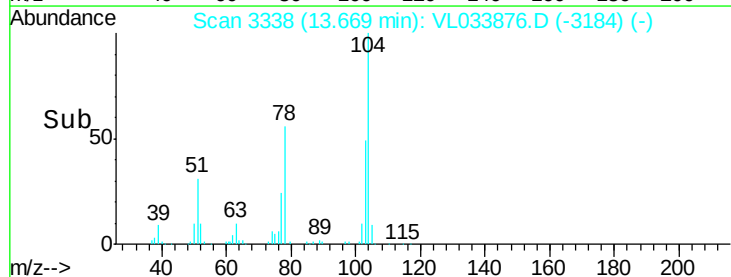
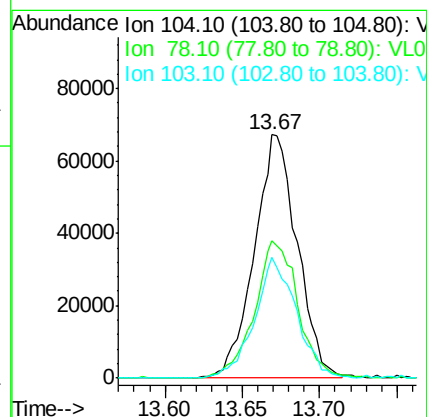
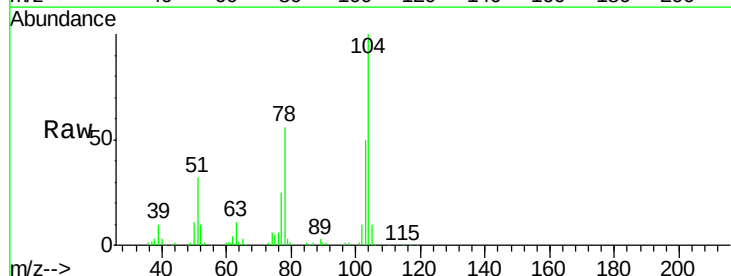
Tgt Ion: 104 Resp: 129720

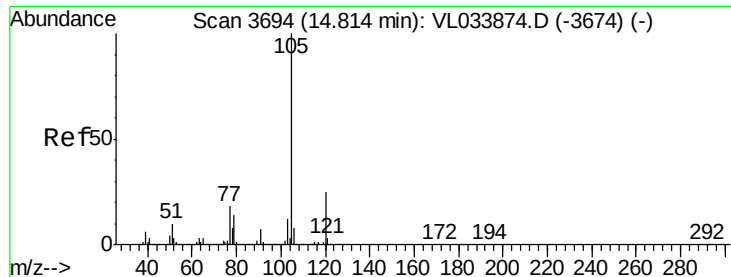
Ion Ratio Lower Upper

104 100

78 57.4 43.4 65.0

103 48.7 37.6 56.4





#62

Isopropylbenzene

Concen: 0.880 ppbv

RT: 14.81 min Scan# 3692

Delta R.T. -0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

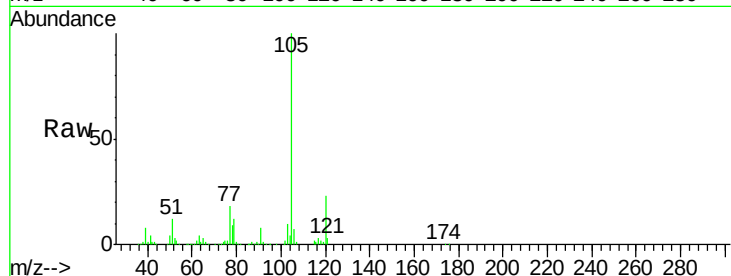
ClientSampleId :

Tot Ion:105 Resp: 304517

Ion Ratio Lower Upper

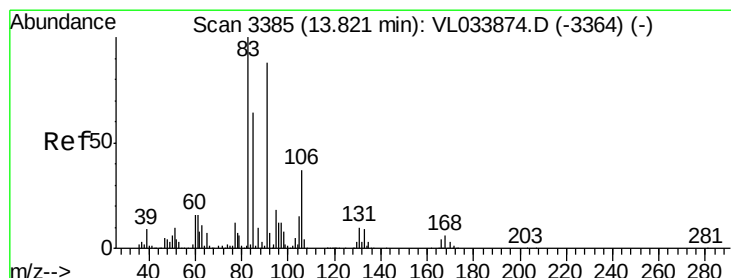
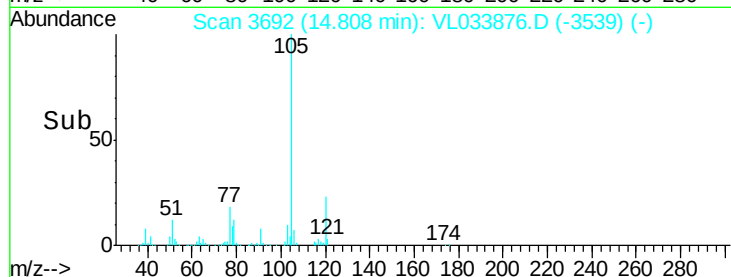
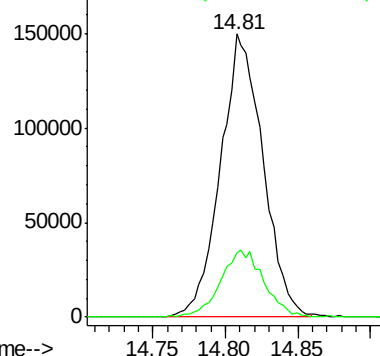
105 100

120 24.2 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: 0.952 ppbv

RT: 13.82 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

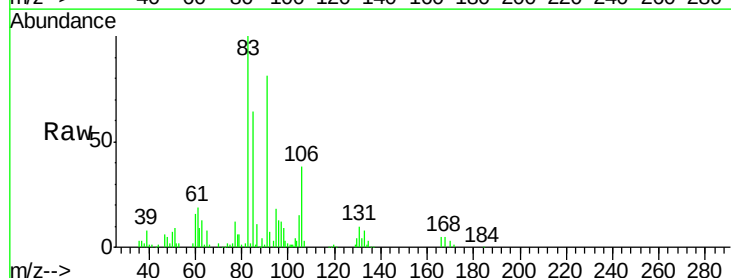
Tgt Ion: 83 Resp: 179121

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.4

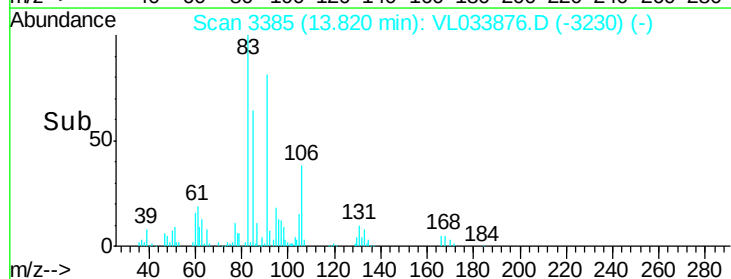
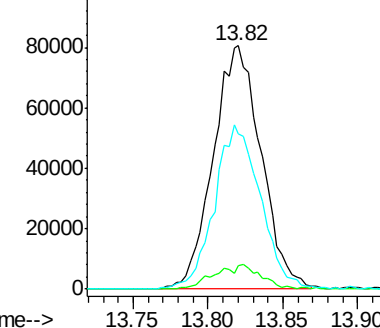
85 64.9 32.1 96.3

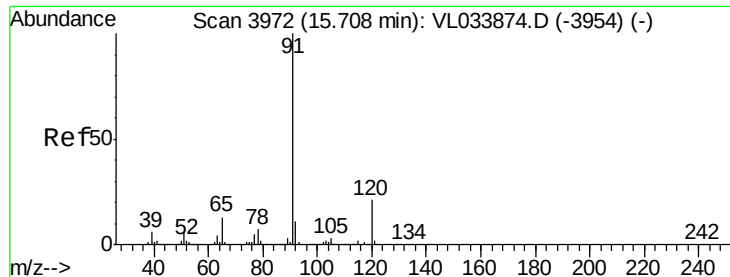


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

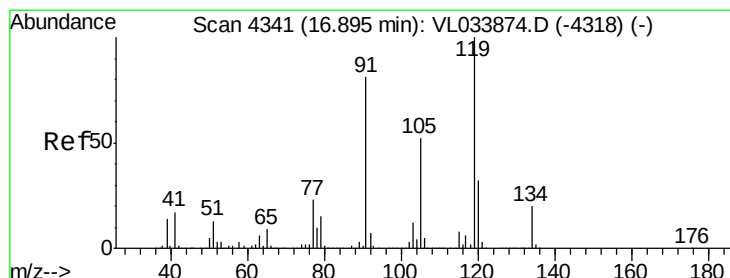
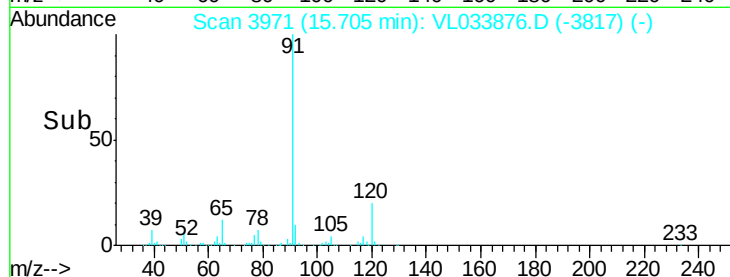
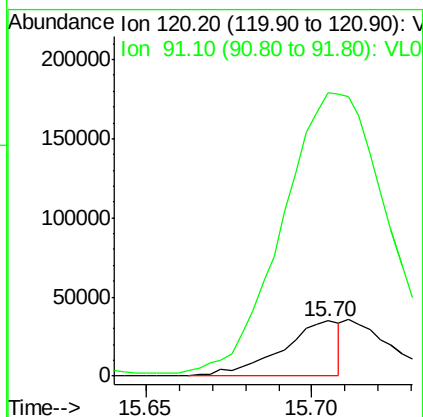
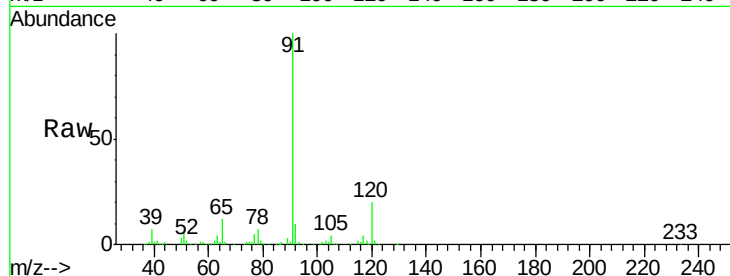




#64
n-propylbenzene
Concen: 0.465 ppbv
RT: 15.70 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

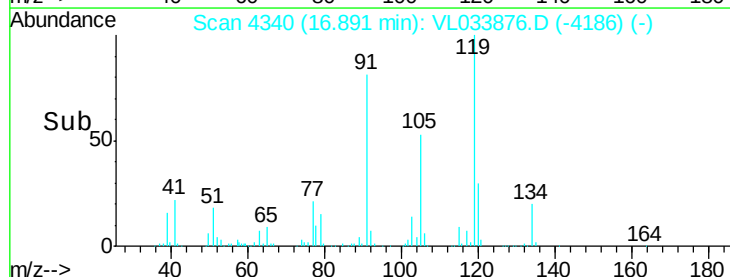
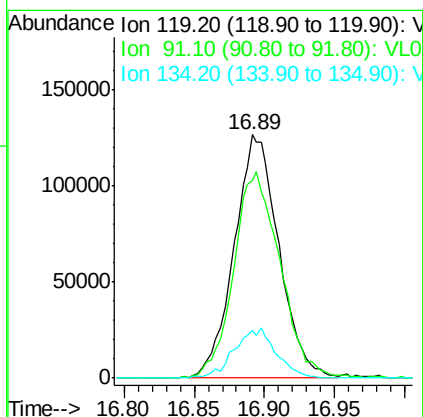
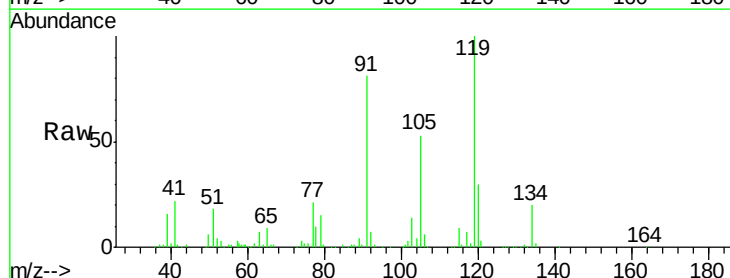
Instrument :
MSVOA_L
ClientSampleId :

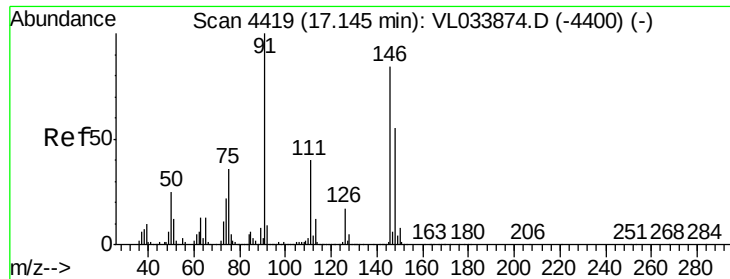
Tot Ion:120 Resp: 41527
Ion Ratio Lower Upper
120 100
91 956.1 387.0 580.6#



#65
tert-Butylbenzene
Concen: 0.884 ppbv
RT: 16.89 min Scan# 4340
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion:119 Resp: 279713
Ion Ratio Lower Upper
119 100
91 88.4 66.6 100.0
134 19.2 15.5 23.3

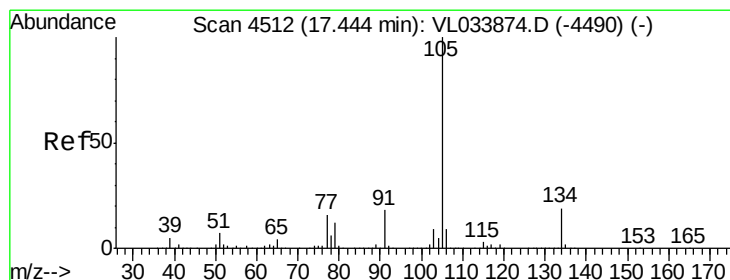
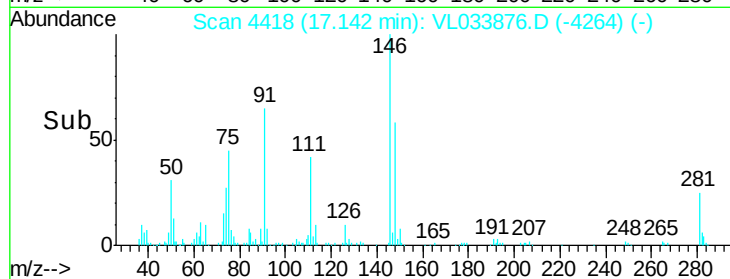
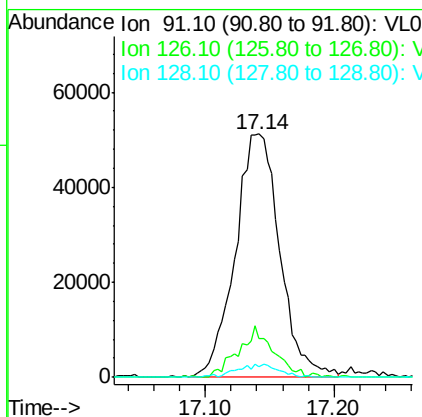
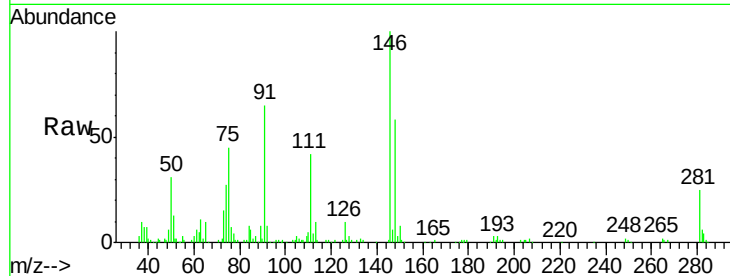




#66
Benzyl Chloride
Concen: 0.811 ppbv
RT: 17.14 min Scan# 4418
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

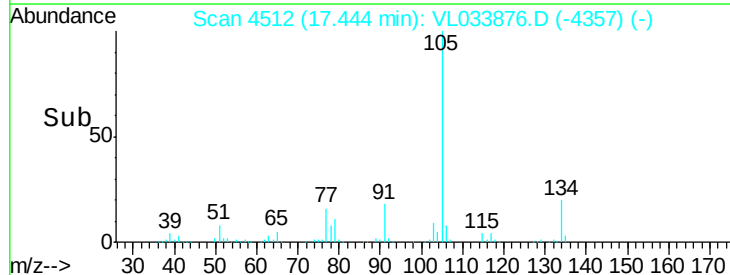
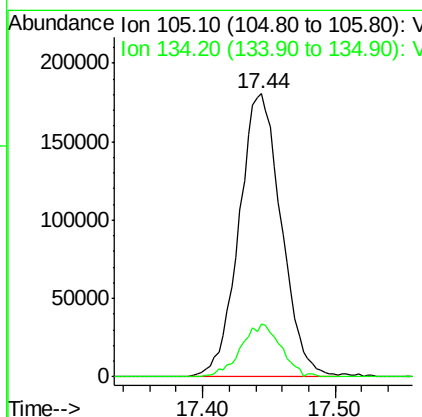
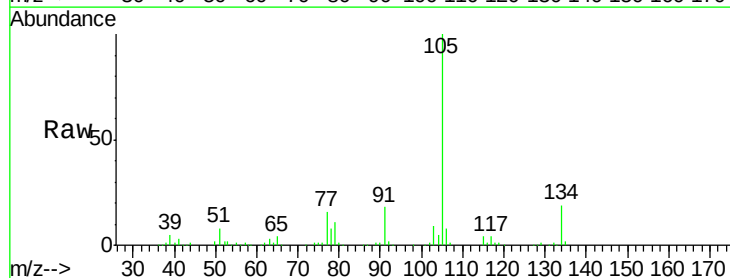
Instrument :
MSVOA_L
ClientSampleId :

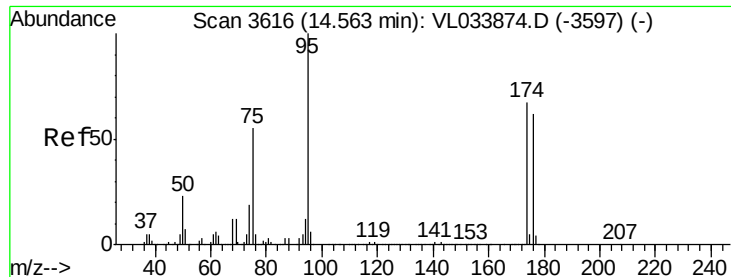
Tot Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.8	20.6
128	5.2	4.4	6.6



#67
sec-Butylbenzene
Concen: 0.901 ppbv
RT: 17.44 min Scan# 4512
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.6	22.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.485 ppbv

RT: 14.56 min Scan# 3615

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampled :

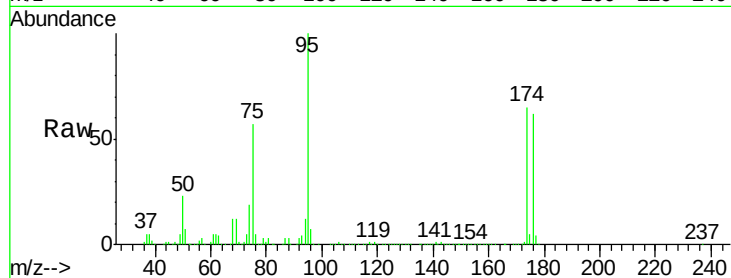
Tot Ion: 95 Resp: 1876907

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

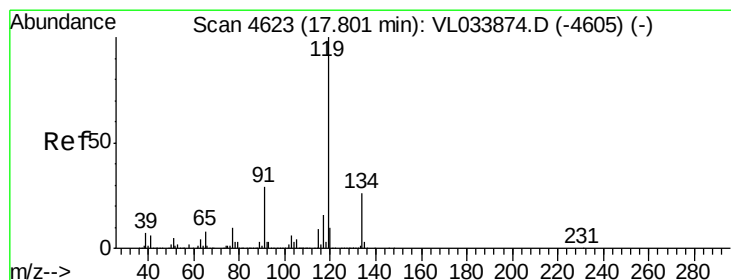
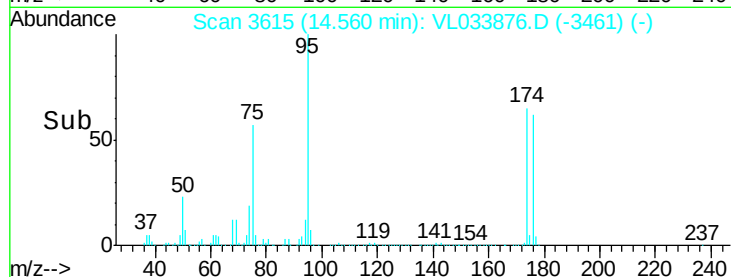
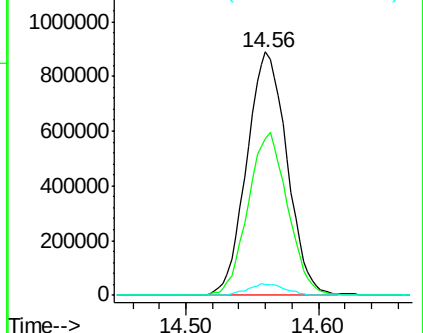
175 4.7 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 0.872 ppbv

RT: 17.80 min Scan# 4624

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

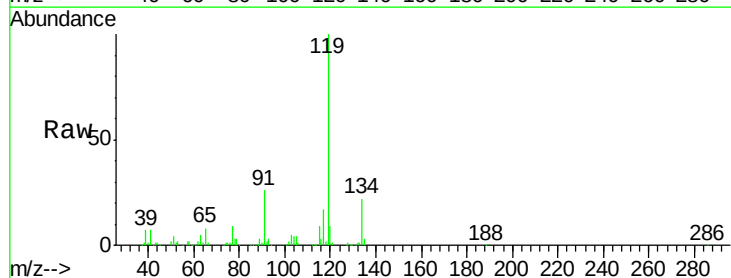
Tgt Ion: 119 Resp: 319736

Ion Ratio Lower Upper

119 100

134 25.1 20.3 30.5

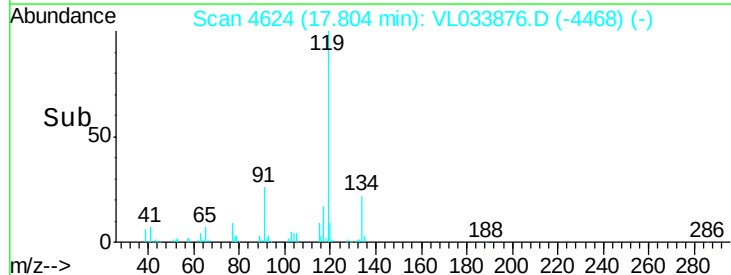
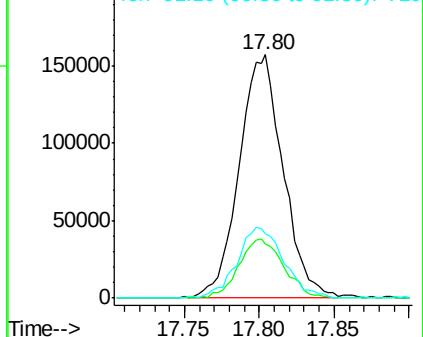
91 31.0 23.8 35.6

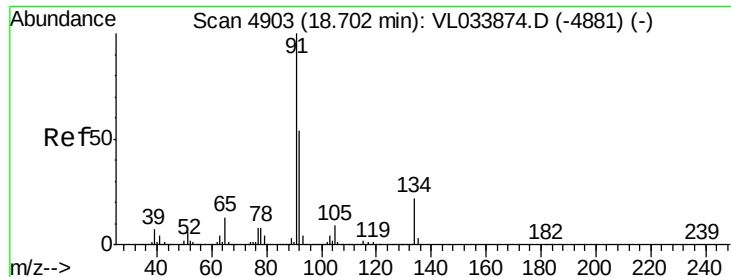


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 0.909 ppbv

RT: 18.70 min Scan# 4903

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

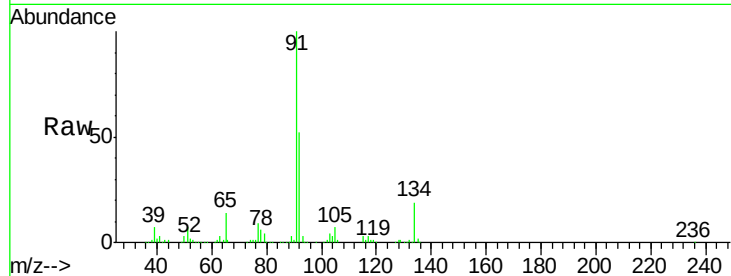
Tot Ion: 91 Resp: 358079

Ion Ratio Lower Upper

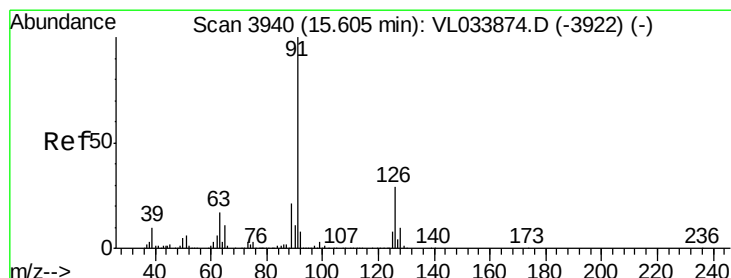
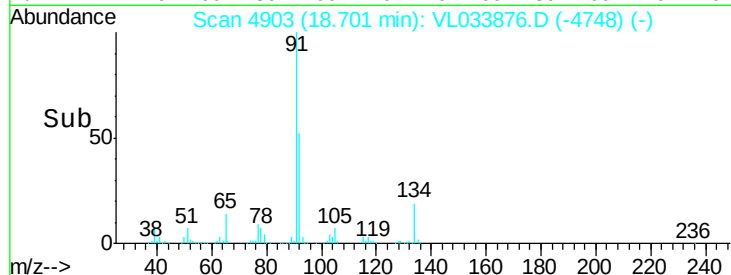
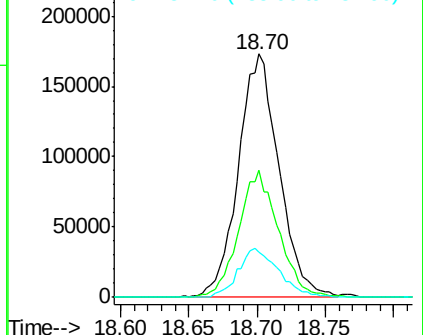
91 100

92 51.2 42.5 63.7

134 19.9 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: 0.848 ppbv

RT: 15.60 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VL033876.D

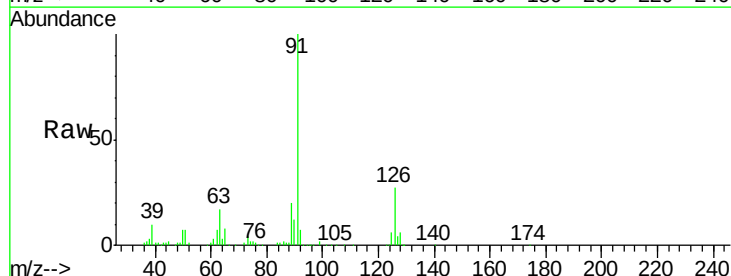
Acq: 7 Jun 2019 3:21

Tgt Ion: 91 Resp: 217509

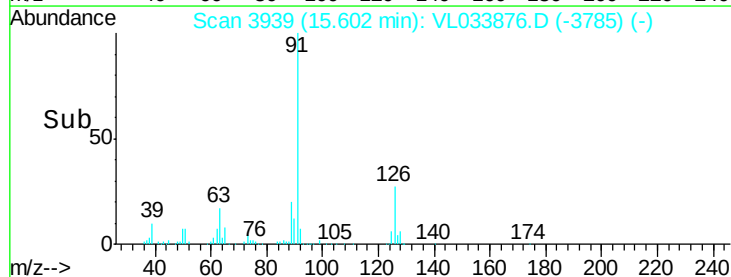
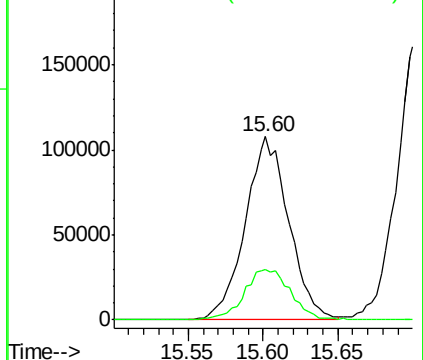
Ion Ratio Lower Upper

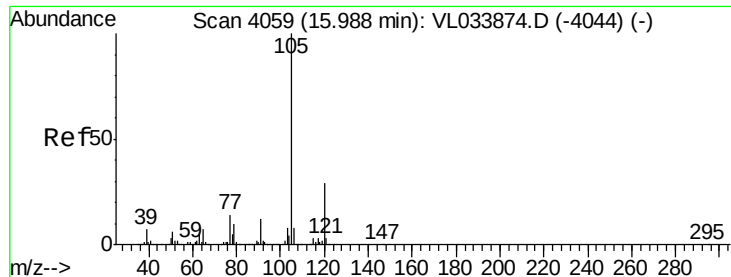
91 100

126 29.2 12.0 48.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.828 ppbv

RT: 15.98 min Scan# 4058

Delta R.T. -0.00 min

Lab File: VL033876.D

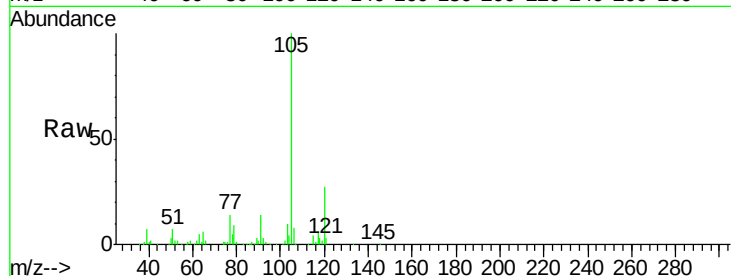
Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	243517
Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.5	35.3
91	16.9	10.4	15.6
77	15.4	11.7	17.5

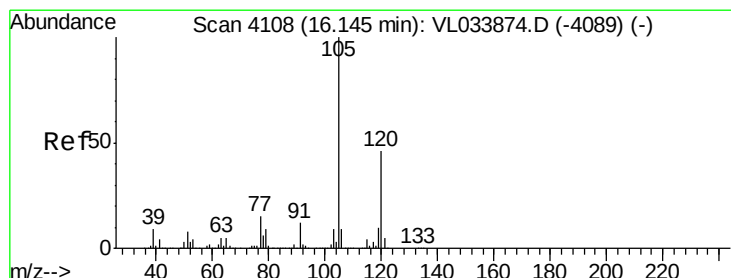
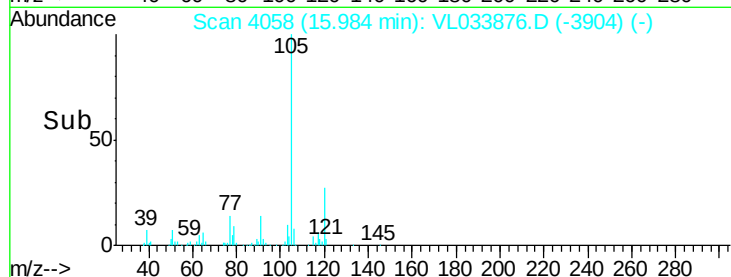
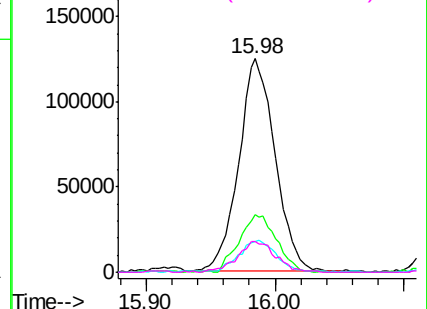


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.853 ppbv

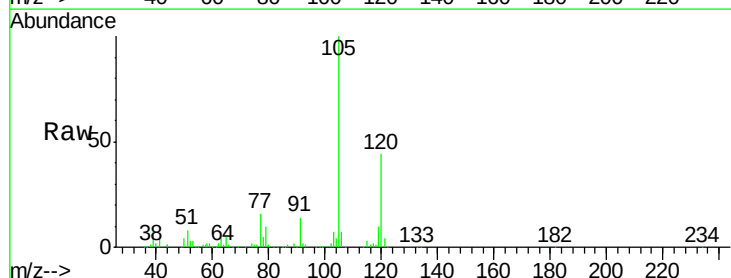
RT: 16.15 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VL033876.D

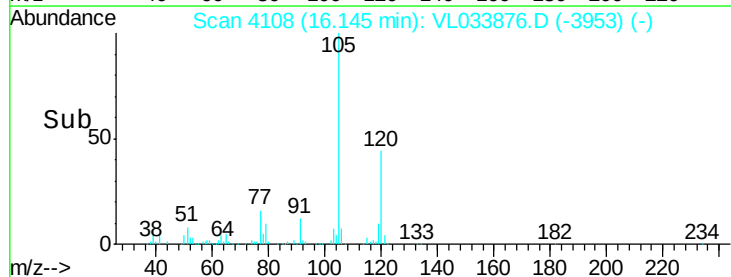
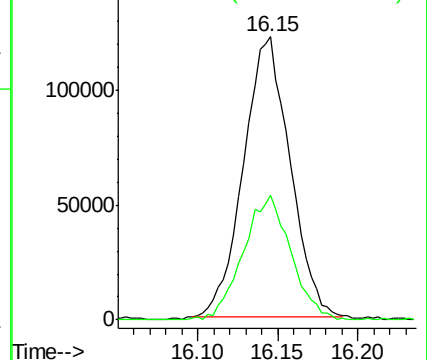
Acq: 7 Jun 2019 3:21

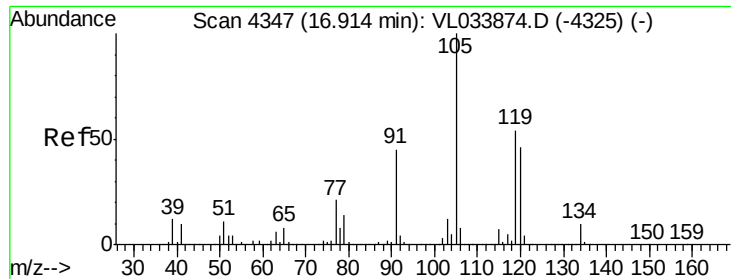
Tgt Ion:	105	Resp:	245254
Ion	Ratio	Lower	Upper
105	100		
120	43.9	37.1	55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

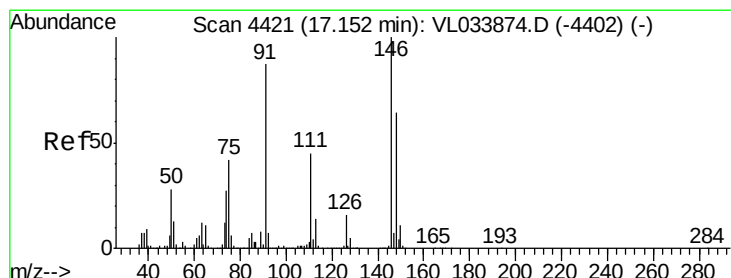
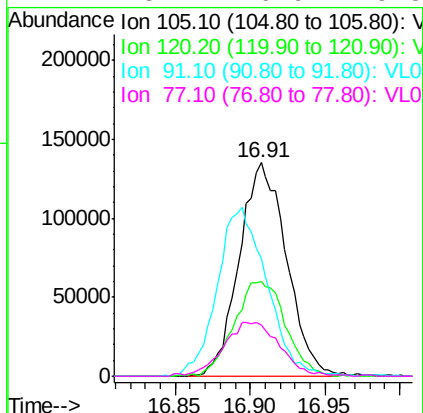
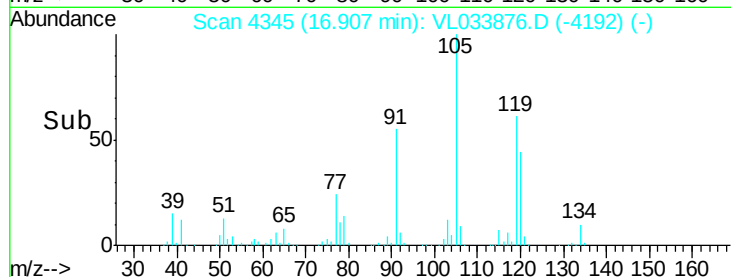
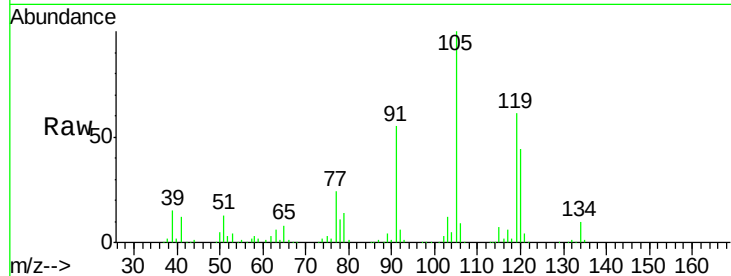




#74
 1,2,4-Trimethylbenzene
 Concen: 0.948 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

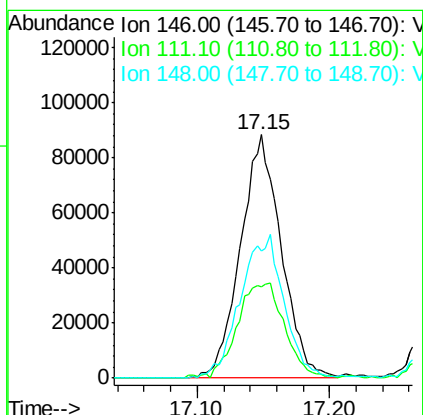
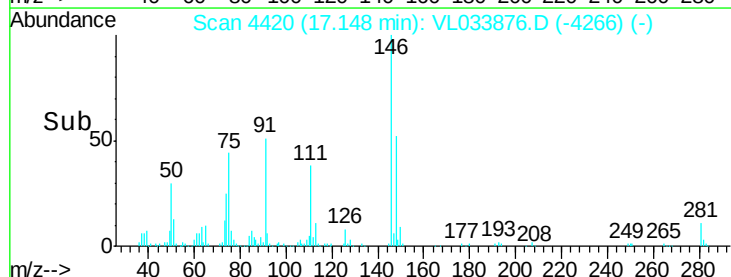
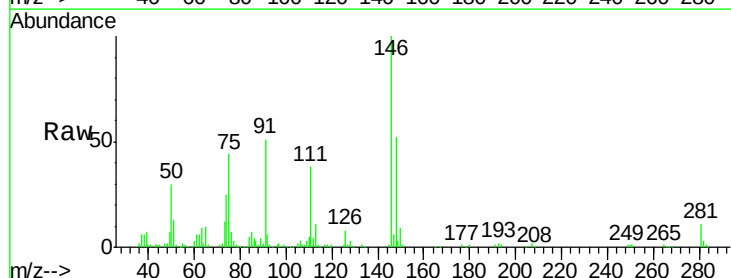
Instrument :
 MSVOA_L
 ClientSampleId :

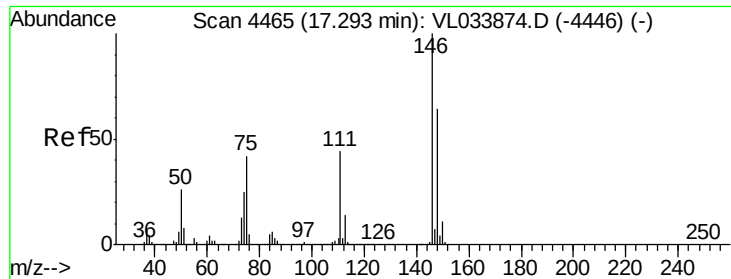
Tot Ion:	105	Resp:	297213
Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.7	55.1
91	53.7	35.8	53.8
77	23.7	16.9	25.3



#75
 1,3-Dichlorobenzene
 Concen: 0.982 ppbv
 RT: 17.15 min Scan# 4420
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion:	146	Resp:	189036
Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.8	68.3
148	63.3	32.2	96.6

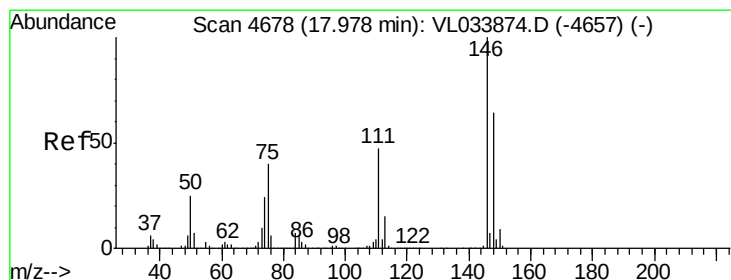
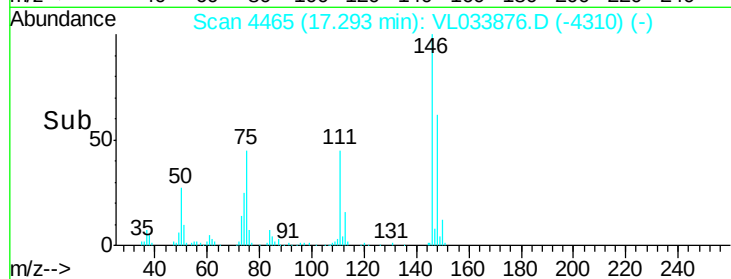
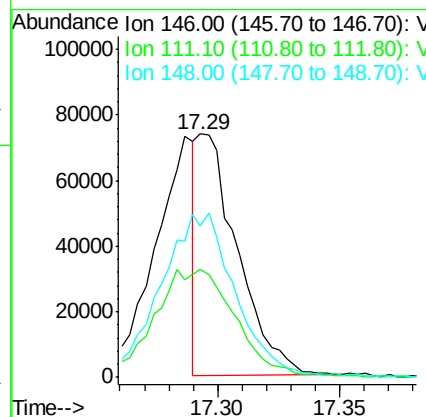
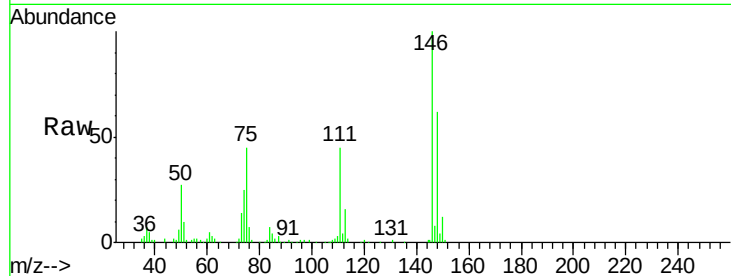




#76
 1,4-Dichlorobenzene
 Concen: 0.454 ppbv
 RT: 17.29 min Scan# 4465
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

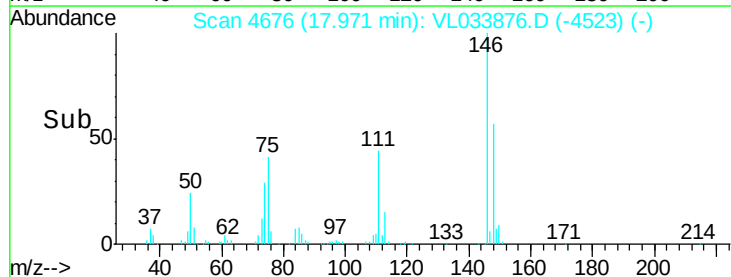
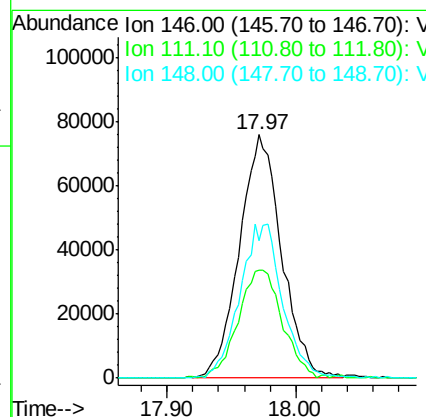
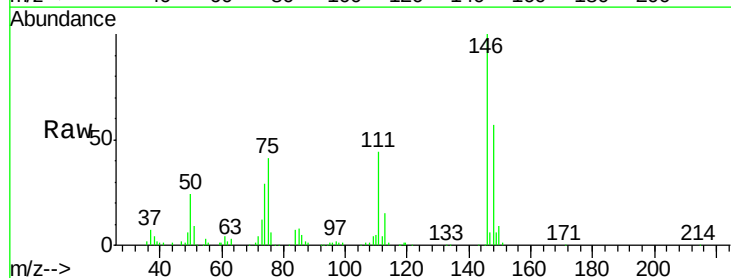
Instrument :
 MSVOA_L
 ClientSampleId :

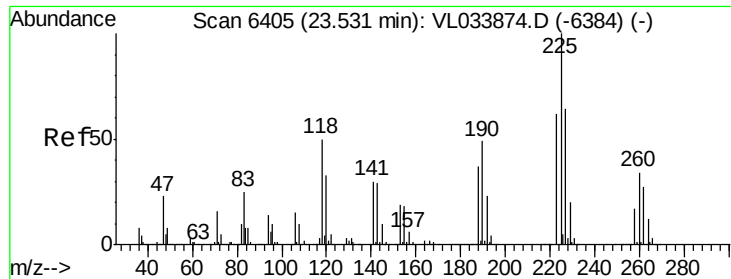
Tot Ion:146 Resp: 82879
 Ion Ratio Lower Upper
 146 100
 111 93.0 22.1 66.5#
 148 130.6 32.4 97.0#



#77
 1,2-Dichlorobenzene
 Concen: 0.952 ppbv
 RT: 17.97 min Scan# 4676
 Delta R.T. -0.01 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion:146 Resp: 172370
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.4 70.0
 148 64.3 31.8 95.4





#78

Hexachloro-1,3-Butadiene

Concen: 1.078 ppbv

RT: 23.53 min Scan# 6405

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampled :

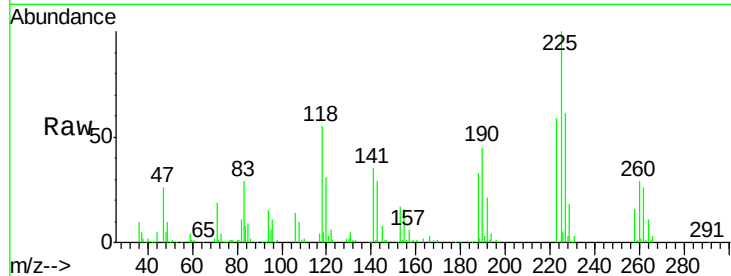
Tot Ion:225 Resp: 146266

Ion Ratio Lower Upper

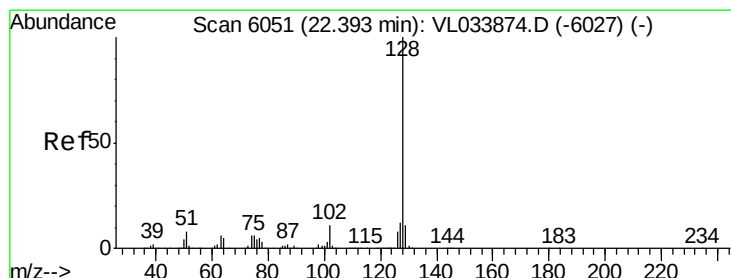
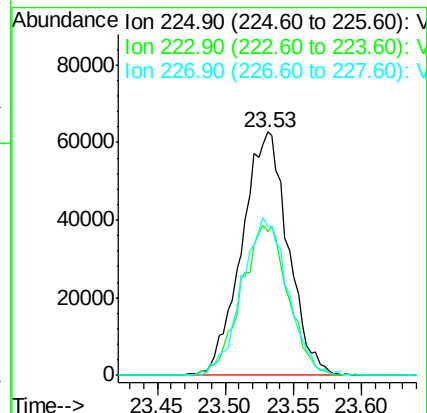
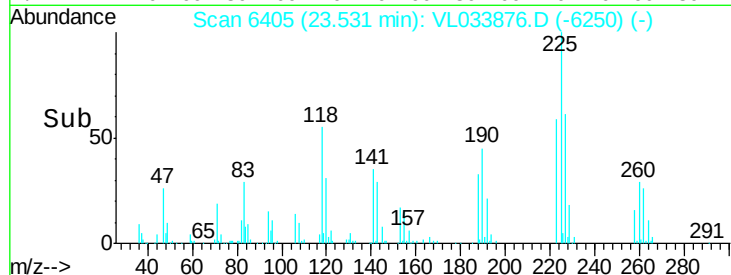
225 100

223 63.1 50.8 76.2

227 65.1 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: 0.759 ppbv

RT: 22.40 min Scan# 6053

Delta R.T. 0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

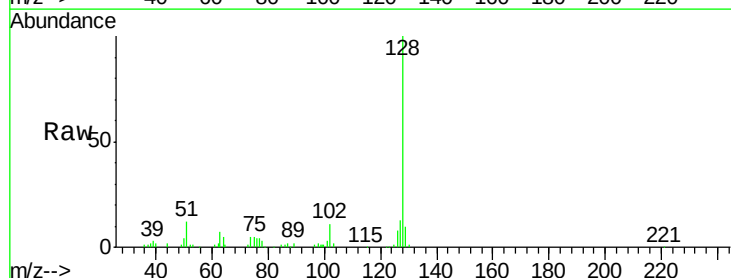
Tgt Ion:128 Resp: 213645

Ion Ratio Lower Upper

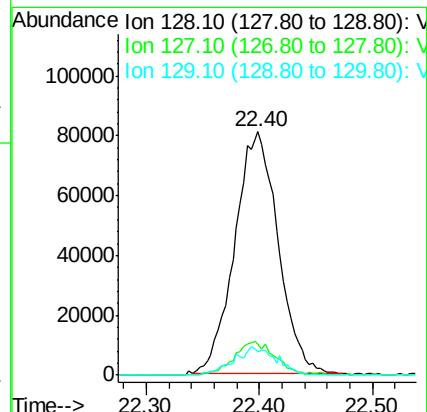
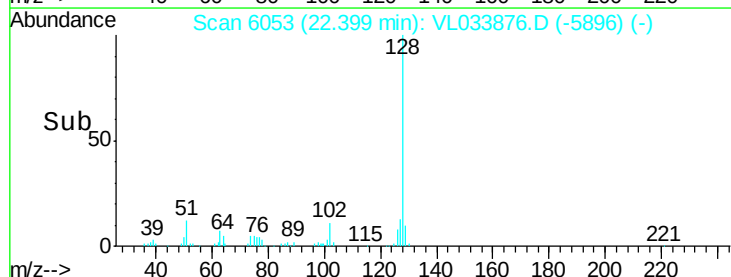
128 100

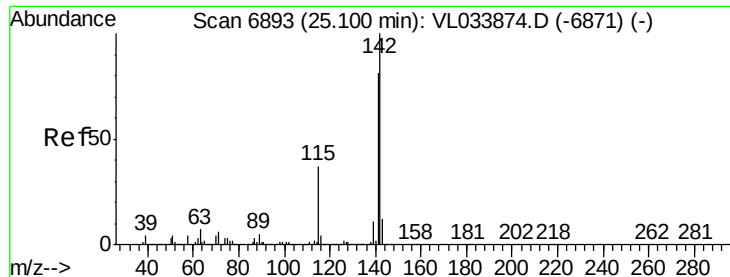
127 12.6 9.7 14.5

129 10.0 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

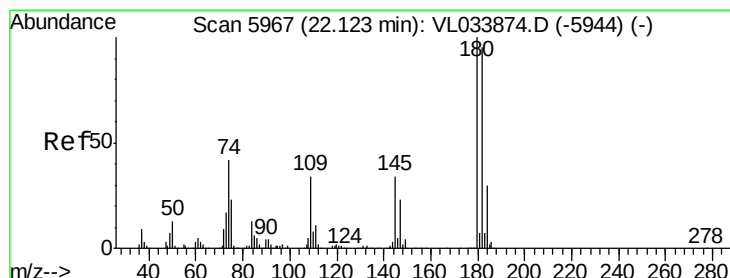
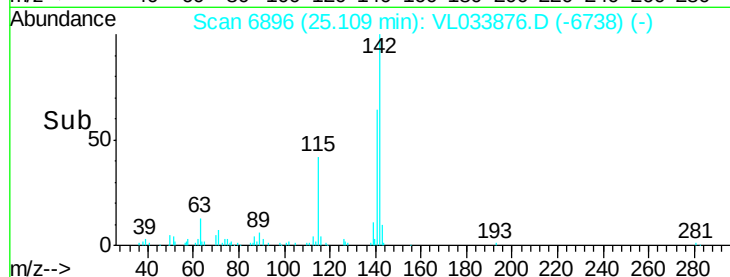
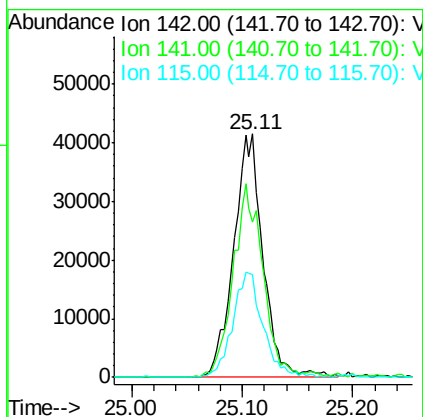
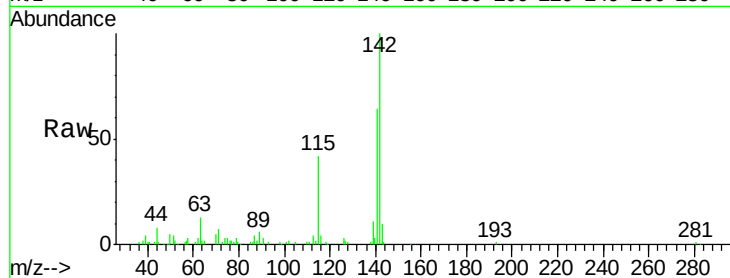




#80
Naphthalene, 2-methyl-
Concen: 0.757 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.9	65.7	98.5
115	44.3	28.9	43.3#



#81
1,2,4-Trichlorobenzene
Concen: 0.881 ppbv
RT: 22.12 min Scan# 5966
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.9	115.3
184	31.0	24.5	36.7

