

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033874.D
 Acq On : 7 Jun 2019 2:03
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 05:59:07 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	938050	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2190027	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2379901	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1899859	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1285118	6.783	ppbv 100
3) Chlorodifluoromethane	3.01	51	1046015	9.685	ppbv 100
4) Chloromethane	3.16	50	605102	9.797	ppbv 100
5) Vinyl Chloride	3.28	62	601343	9.555	ppbv 100
6) Bromomethane	3.51	94	389231	10.128	ppbv 100
7) Chloroethane	3.59	64	226632	10.084	ppbv 100
8) Dichlorotetrafluoroethane	3.21	85	1601985	9.913	ppbv 100
9) Propene	3.03	41	422317	9.375	ppbv 100
10) Heptane	8.23	43	1171608	9.194	ppbv 100
11) Trichlorofluoromethane	3.99	101	1923815	10.131	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1311101	9.916	ppbv 100
13) Ethanol	3.64	45	102876	7.095	ppbv 100
14) Bromoethene	3.78	108	519484	10.511	ppbv 100
15) Acetone	3.89	43	1168552	8.994	ppbv 100
16) 1,3-Butadiene	3.35	39	536642	10.229	ppbv 100
17) tert-Butyl alcohol	4.35	59	1236570	11.443	ppbv 100
18) 1,1-Dichloroethene	4.34	96	574116	10.281	ppbv 100
19) Isopropyl Alcohol	4.01	45	890955	10.551	ppbv 99
20) Methylene Chloride	4.40	84	482560	9.560	ppbv 100
21) Allyl Chloride	4.47	41	817973	10.130	ppbv 99
22) trans-1,2-Dichloroethene	4.95	96	605409	10.395	ppbv 100
23) Vinyl Acetate	5.14	43	1718613	10.068	ppbv 100
24) 1,1-Dichloroethane	5.08	63	1240453	9.478	ppbv 100
25) Ethyl Acetate	5.76	43	2112744	9.316	ppbv 100
26) Hexane	5.77	57	923882	9.499	ppbv 100
27) Carbon Disulfide	4.61	76	1447142	10.713	ppbv 99
28) Methyl tert-Butyl Ether	5.10	73	1647962	10.225	ppbv 100
29) Chloroform	5.84	83	1619817	8.984	ppbv 100
30) Cyclohexane	7.23	84	776453	9.557	ppbv 100
31) cis-1,2-Dichloroethene	5.63	61	945475	9.700	ppbv 100
32) 1,1,1-Trichloroethane	6.61	97	1721993	9.546	ppbv 100
34) 2-Butanone	5.32	43	1346538	9.946	ppbv 100
35) Carbon Tetrachloride	7.12	117	1827018	10.396	ppbv 100
36) Benzene	6.99	78	1866244	9.538	ppbv 100
37) 1,2-Dichloroethane	6.40	62	1291603	10.005	ppbv 100
38) Trichloroethene	7.95	130	817479	11.019	ppbv 100
39) 1,2-Dichloropropane	7.72	63	708508	9.661	ppbv 100
40) 1,4-Dioxane	7.94	88	314144	10.154	ppbv 100
41) Tetrahydrofuran	6.14	42	736457	9.896	ppbv 100
42) Bromodichloromethane	7.90	83	1785105	10.148	ppbv 100
43) Methyl Methacrylate	8.13	69	766690	10.558	ppbv 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033874.D
 Acq On : 7 Jun 2019 2:03
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

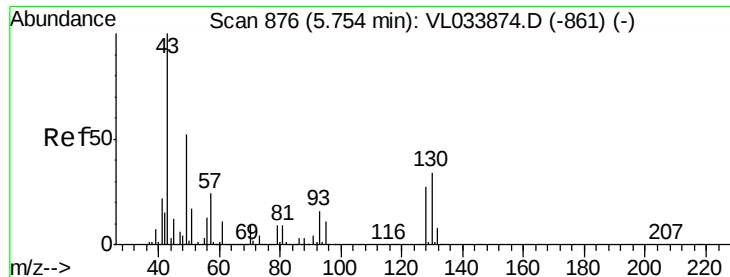
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 05:59:07 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)

44) 2,2,4-Trimethylpentane	7.98	57	3243517	9.733	ppbv	100
45) t-1,3-Dichloropropene	9.41	75	1073037	11.668	ppbv	100
46) cis-1,3-Dichloropropene	8.82	75	1201008	11.198	ppbv	100
47) 1,1,2-Trichloroethane	9.60	97	827035	9.845	ppbv	100
48) Dibromochloromethane	10.44	129	1586828	10.852	ppbv	100
49) Bromoform	13.19	173	1444043	11.518	ppbv	100
50) 4-Methyl-2-Pentanone	8.85	43	2096288	10.163	ppbv	100
51) 2-Hexanone	10.26	43	1739962	10.805	ppbv #	100
52) Tetrachloroethene	11.36	164	757292	10.868	ppbv	100
53) Toluene	9.93	91	2295479	10.788	ppbv	100
54) 1,2-Dibromoethane	10.74	107	1314232	10.269	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1056806	9.675	ppbv	98
57) Chlorobenzene	12.29	112	1824519	9.412	ppbv	100
58) Ethyl Benzene	12.85	91	3192115	10.309	ppbv	100
59) m/p-Xylene	13.14	91	2724501	10.012	ppbv #	31
60) o-Xylene	13.83	91	2851804	10.300	ppbv	100
61) Styrene	13.67	104	2053125	11.123	ppbv	100
62) Isopropylbenzene	14.81	105	3809209	10.229	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.82	83	2011599	9.941	ppbv	100
64) n-propylbenzene	15.71	120	983307	10.229	ppbv	100
65) tert-Butylbenzene	16.89	119	3533224	10.386	ppbv	100
66) Benzyl Chloride	17.15	91	1988803	12.251	ppbv	100
67) sec-Butylbenzene	17.44	105	4935343	10.351	ppbv	100
69) p-Isopropyltoluene	17.80	119	4209485	10.674	ppbv	100
70) n-Butylbenzene	18.70	91	4460430	10.523	ppbv	100
71) 2-Chlorotoluene	15.61	91	2887146	10.461	ppbv	100
72) 4-Ethyltoluene	15.99	105	3382723	10.699	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3226370	10.434	ppbv	100
74) 1,2,4-Trimethylbenzene	16.91	105	3478067	10.310	ppbv	100
75) 1,3-Dichlorobenzene	17.15	146	2046326	9.882	ppbv	100
76) 1,4-Dichlorobenzene	17.29	146	2018147	10.275	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1983454	10.186	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	1297769	8.894	ppbv	100
79) Naphthalene	22.39	128	3051718	10.083	ppbv	100
80) Naphthalene, 2-methyl-	25.10	142	1090108	10.006	ppbv	100
81) 1,2,4-Trichlorobenzene	22.12	180	1809969	10.010	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. 0.00 min

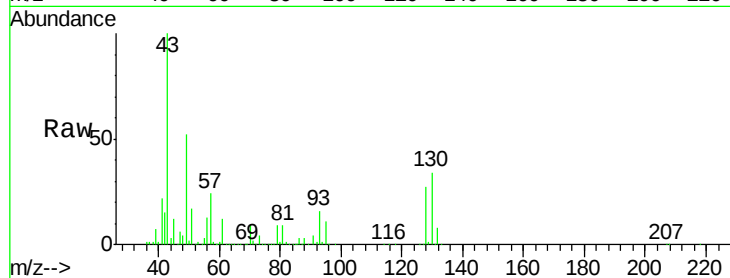
Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 938050

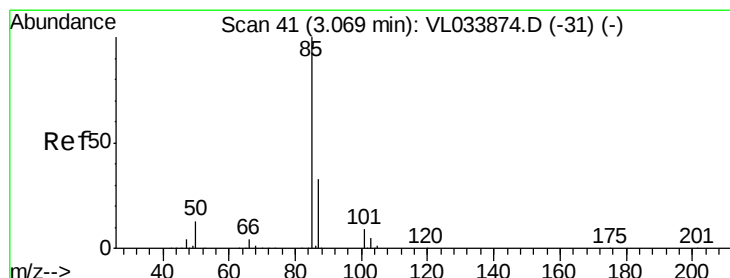
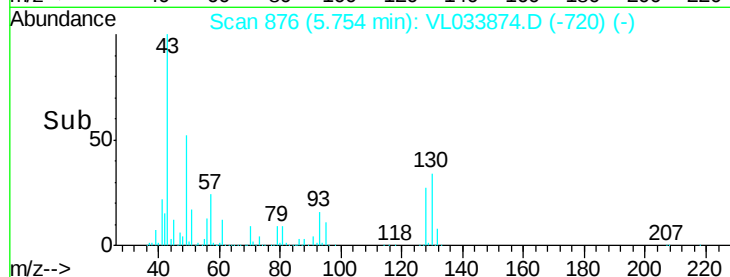
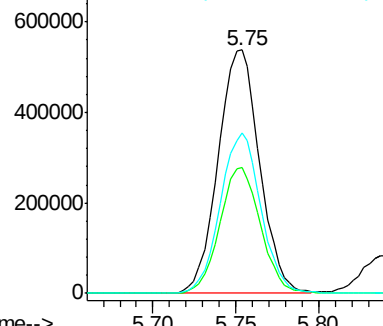
Ion	Ratio	Lower	Upper
49	100		
128	50.9	25.5	76.5
130	64.7	32.5	97.4



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: 6.783 ppbv

RT: 3.07 min Scan# 41

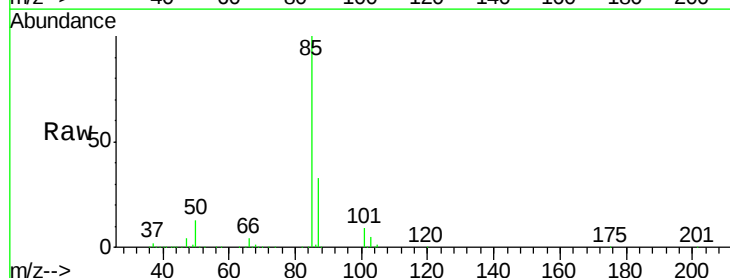
Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

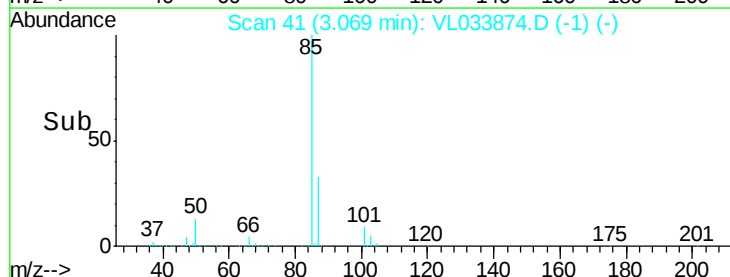
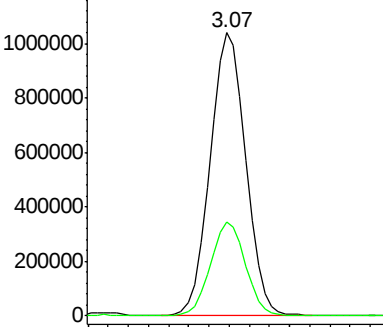
Tgt Ion: 85 Resp: 1285118

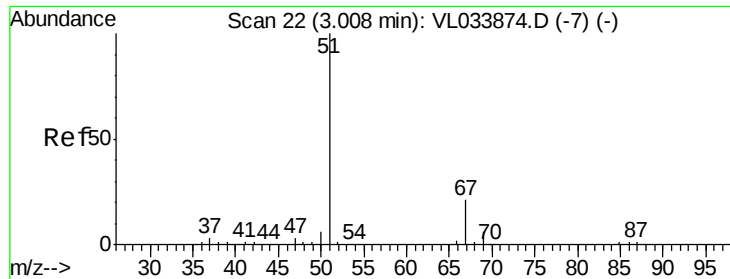
Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.6	40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

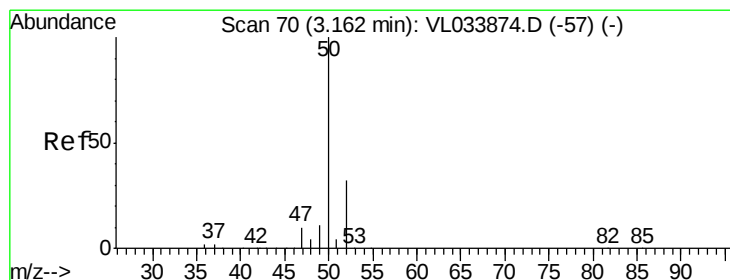
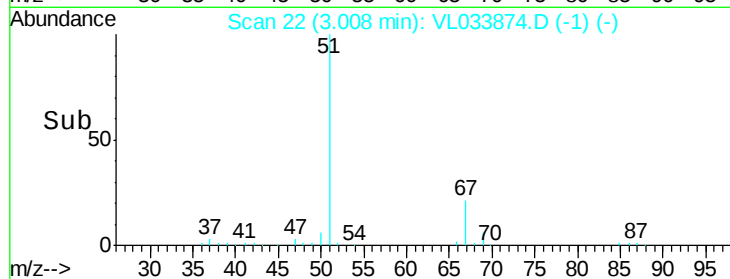
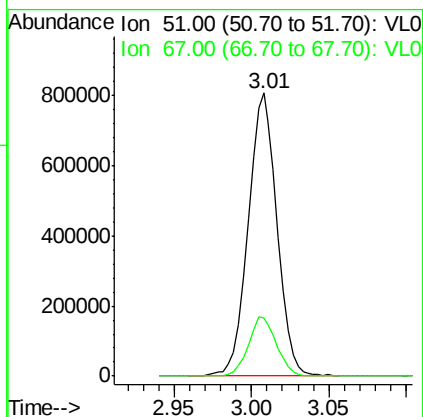
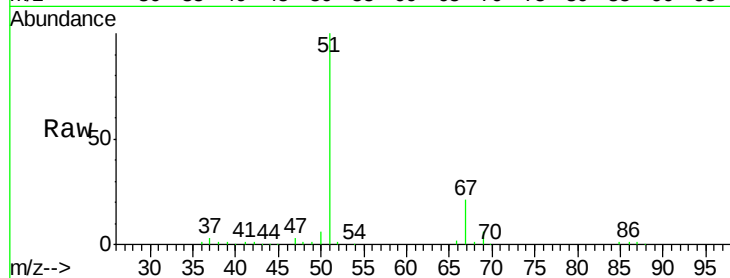




#3
Chlorodifluoromethane
Concen: 9.685 ppbv
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

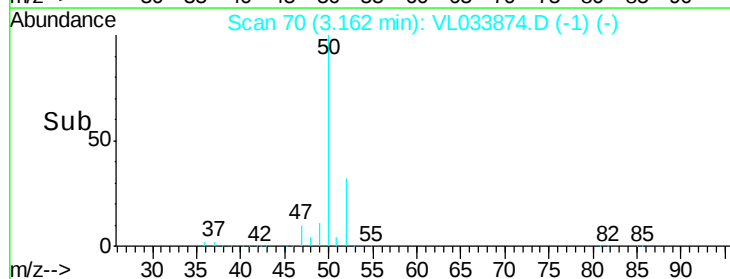
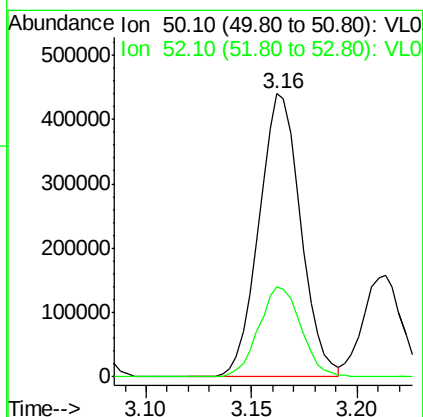
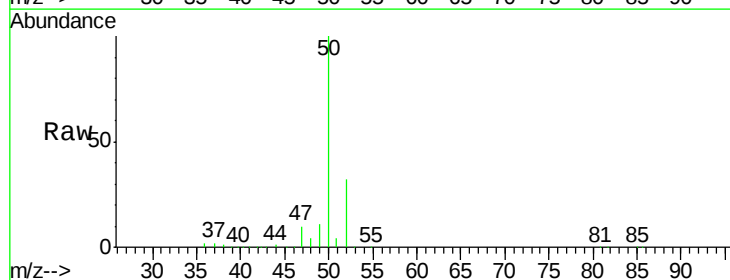
Instrument :
MSVOA_L
ClientSampleId :

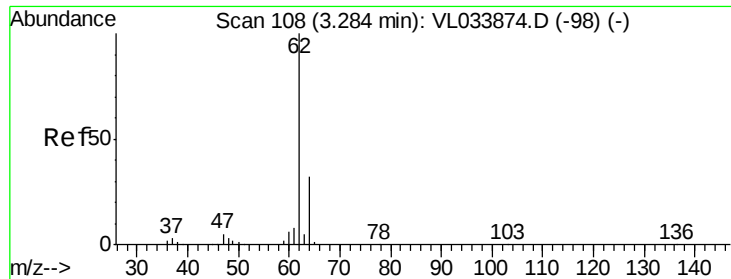
Tot Ion: 51 Resp: 1046015
Ion Ratio Lower Upper
51 100
67 20.5 16.4 24.6



#4
Chloromethane
Concen: 9.797 ppbv
RT: 3.16 min Scan# 70
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion: 50 Resp: 605102
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.0





#5

Vinyl Chloride

Concen: 9.555 ppbv

RT: 3.28 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

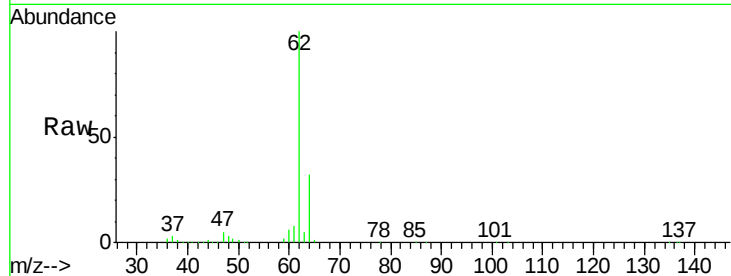
ClientSampleId :

Tot Ion: 62 Resp: 601343

Ion Ratio Lower Upper

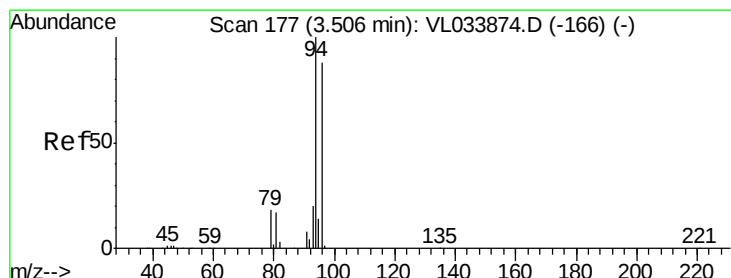
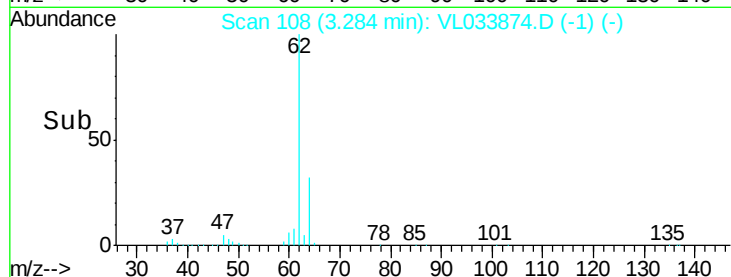
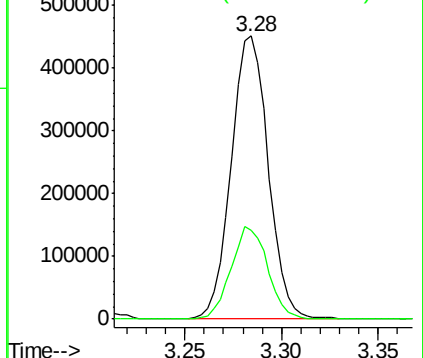
62 100

64 31.5 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: 10.128 ppbv

RT: 3.51 min Scan# 177

Delta R.T. 0.00 min

Lab File: VL033874.D

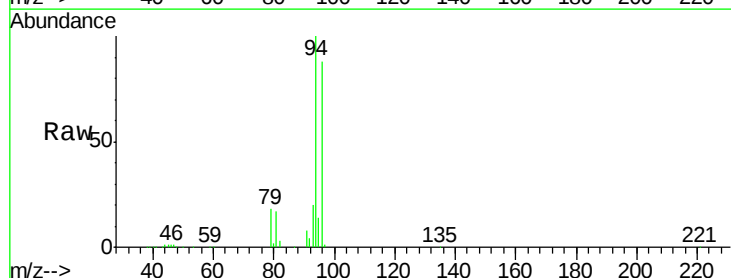
Acq: 7 Jun 2019 2:03

Tgt Ion: 94 Resp: 389231

Ion Ratio Lower Upper

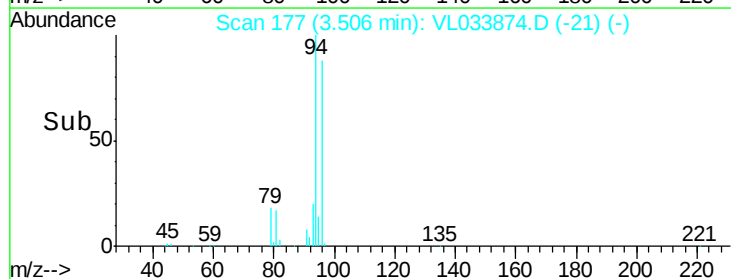
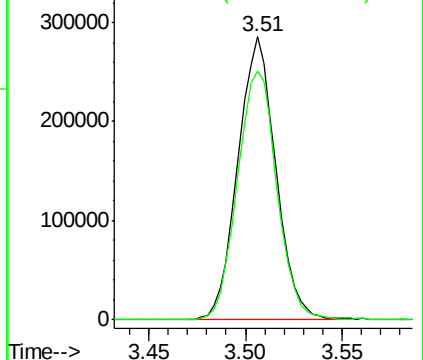
94 100

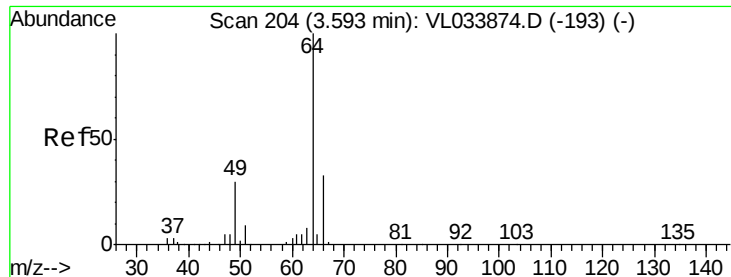
96 87.7 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.084 ppbv

RT: 3.59 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

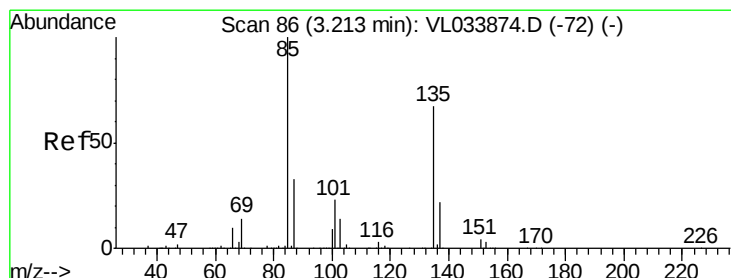
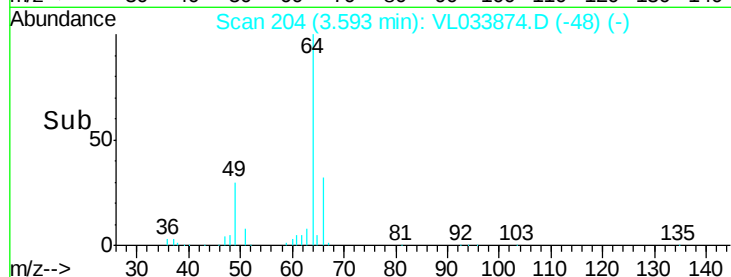
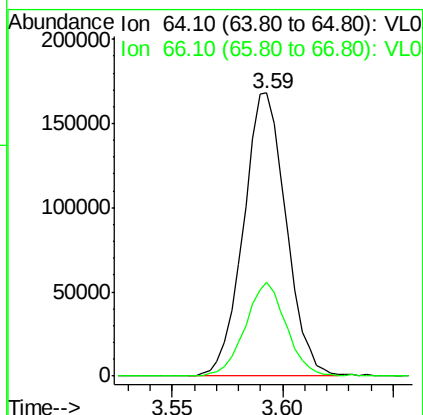
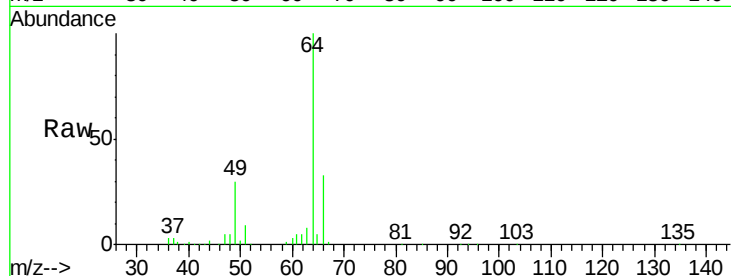
ClientSampleId :

Tot Ion: 64 Resp: 226632

Ion Ratio Lower Upper

64 100

66 33.4 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 9.913 ppbv

RT: 3.21 min Scan# 86

Delta R.T. 0.00 min

Lab File: VL033874.D

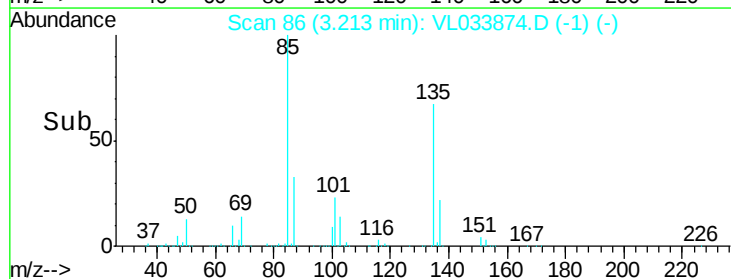
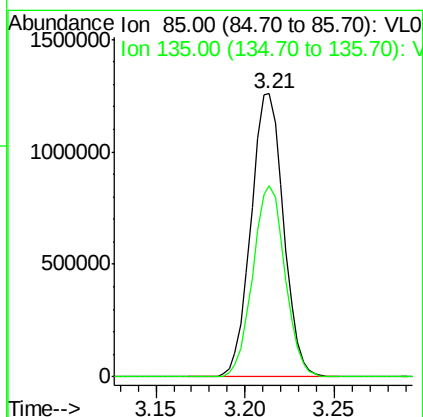
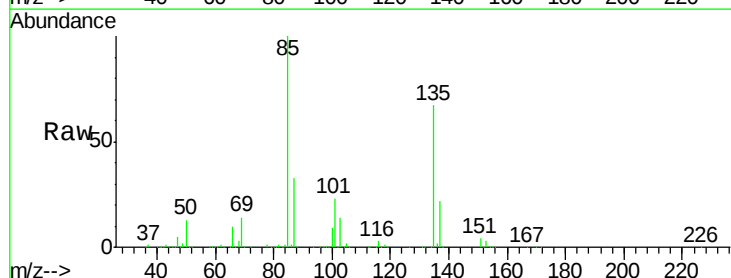
Acq: 7 Jun 2019 2:03

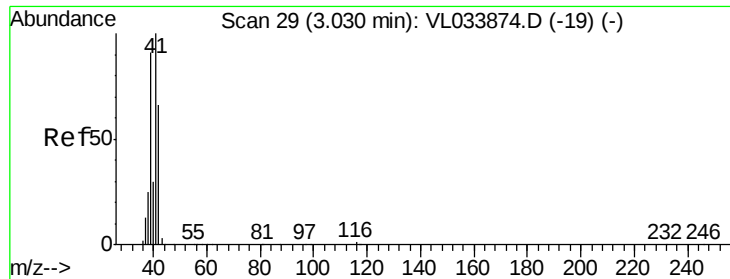
Tgt Ion: 85 Resp: 1601985

Ion Ratio Lower Upper

85 100

135 67.1 53.7 80.5





#9

Propene

Concen: 9.375 ppbv

RT: 3.03 min Scan# 29

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

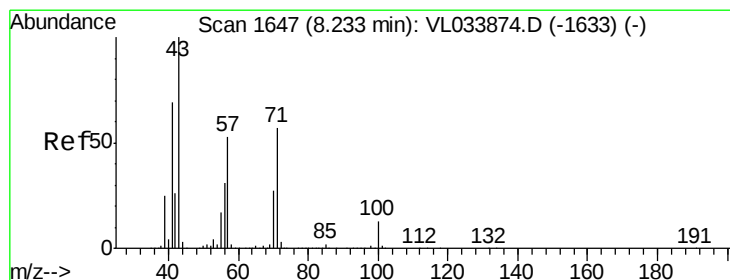
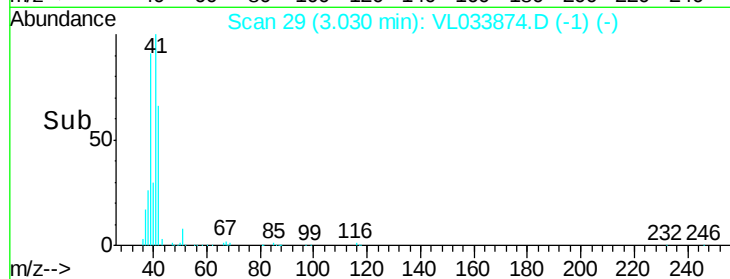
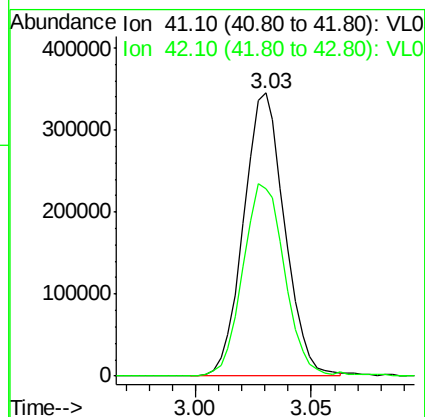
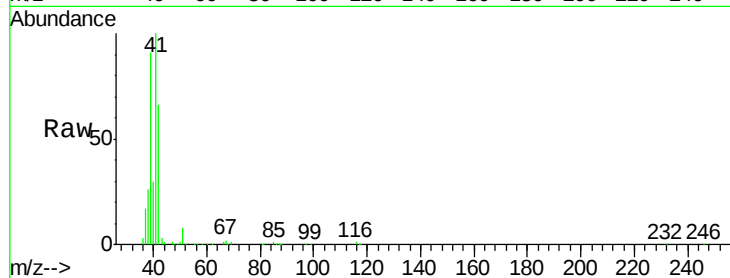
ClientSampleId :

Tot Ion: 41 Resp: 422317

Ion Ratio Lower Upper

41 100

42 70.4 56.3 84.5



#10

Heptane

Concen: 9.194 ppbv

RT: 8.23 min Scan# 1647

Delta R.T. 0.00 min

Lab File: VL033874.D

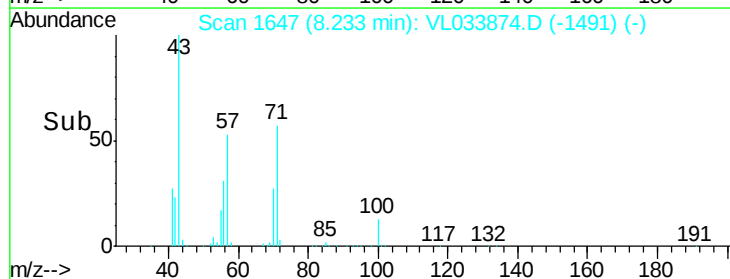
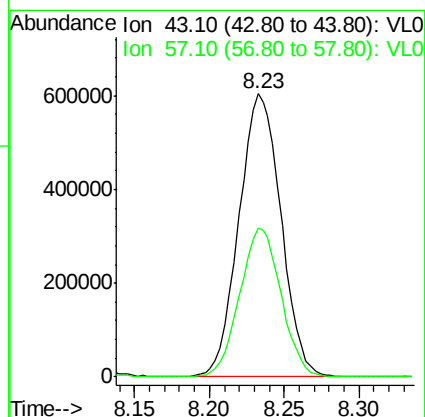
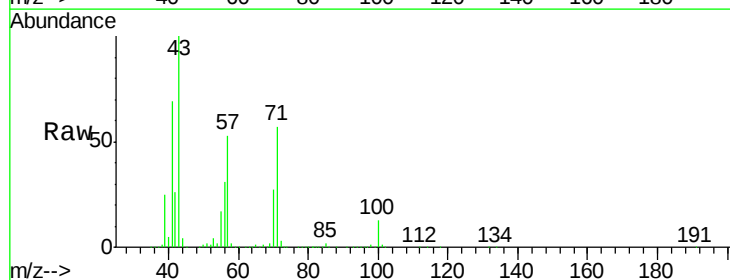
Acq: 7 Jun 2019 2:03

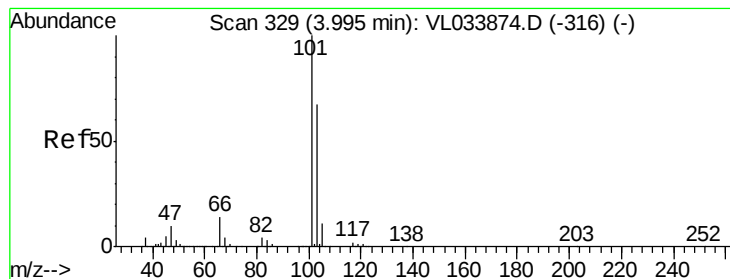
Tgt Ion: 43 Resp: 1171608

Ion Ratio Lower Upper

43 100

57 51.8 41.7 62.5





#11

Trichlorofluoromethane

Concen: 10.131 ppbv

RT: 3.99 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

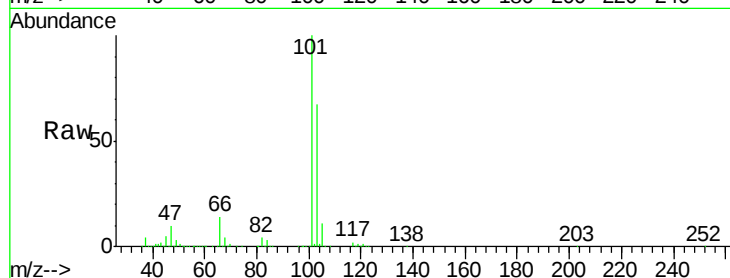
ClientSampleId :

Tot Ion:101 Resp: 1923815

Ion Ratio Lower Upper

101 100

103 67.0 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.99

1500000

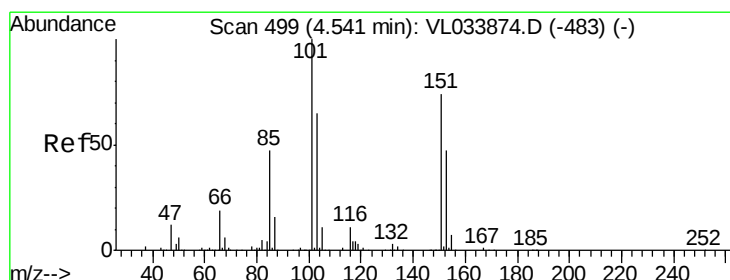
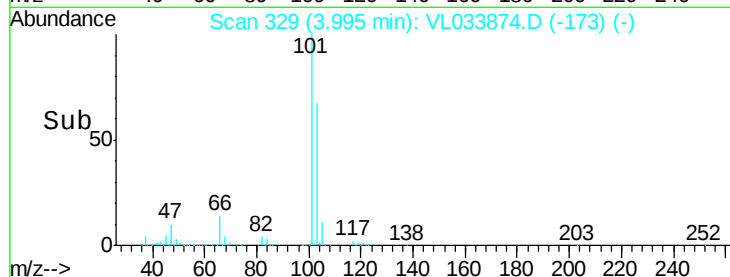
1000000

500000

0

Time-->

3.95 4.00 4.05



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.916 ppbv

RT: 4.54 min Scan# 499

Delta R.T. 0.00 min

Lab File: VL033874.D

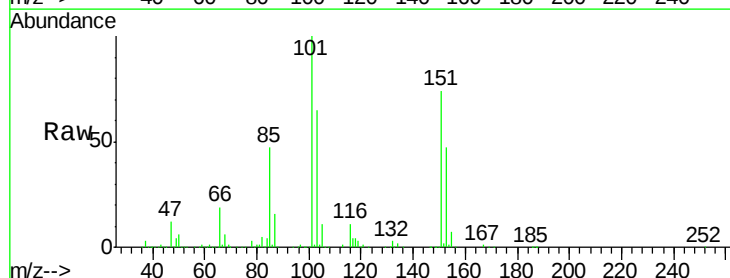
Acq: 7 Jun 2019 2:03

Tgt Ion:101 Resp: 1311101

Ion Ratio Lower Upper

101 100

151 73.3 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.54

800000

600000

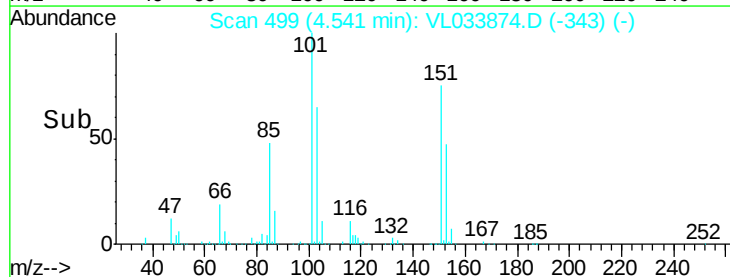
400000

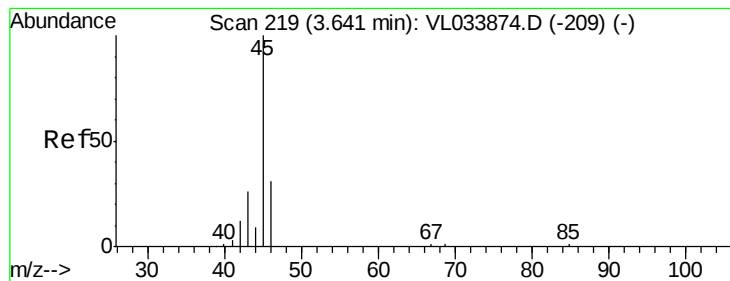
200000

0

Time-->

4.45 4.50 4.55 4.60





#13

Ethanol

Concen: 7.095 ppbv

RT: 3.64 min Scan# 219

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

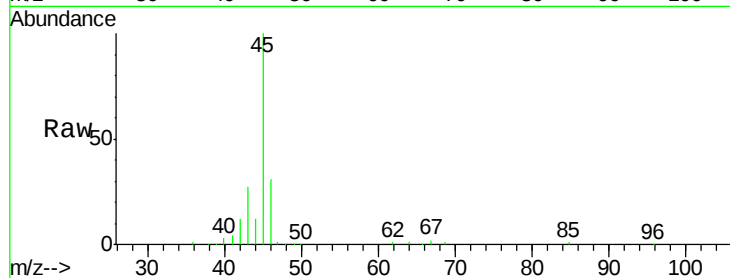
ClientSampleId :

Tot Ion: 45 Resp: 102876

Ion Ratio Lower Upper

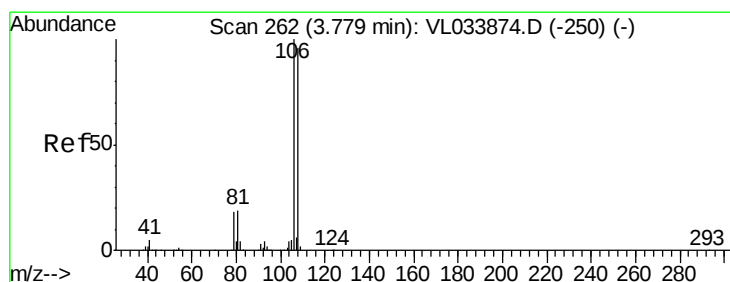
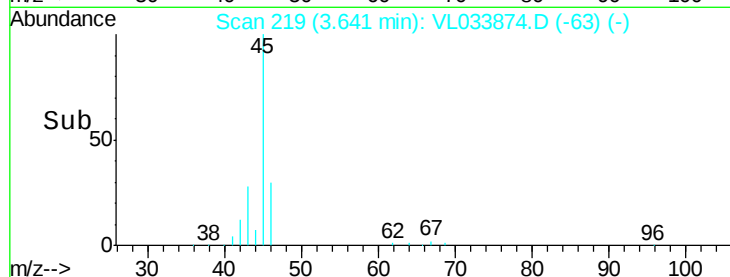
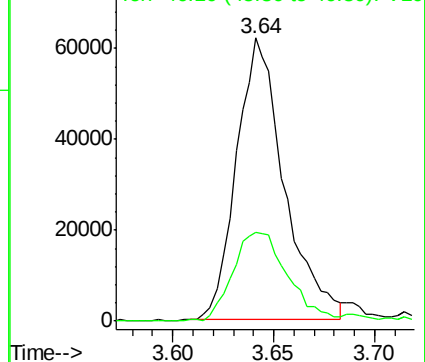
45 100

46 38.2 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: 10.511 ppbv

RT: 3.78 min Scan# 262

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

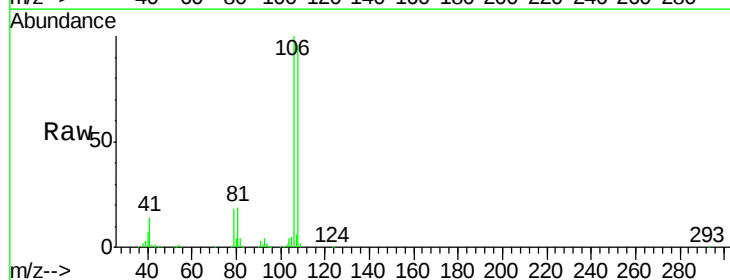
Tgt Ion: 108 Resp: 519484

Ion Ratio Lower Upper

108 100

106 106.1 84.9 127.3

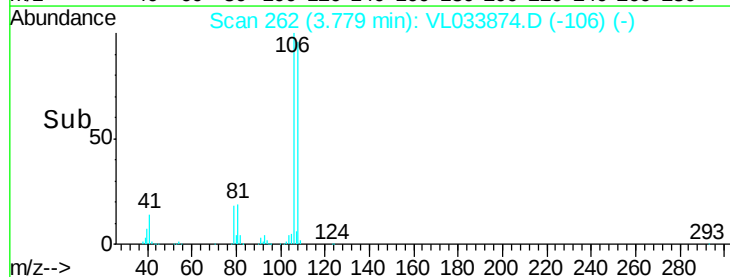
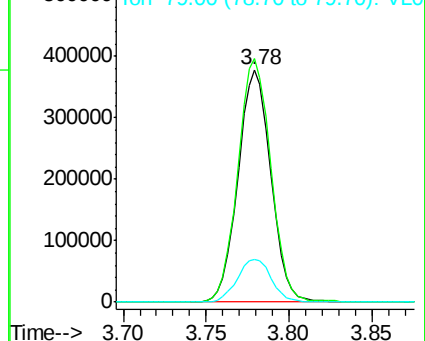
79 19.2 15.4 23.0

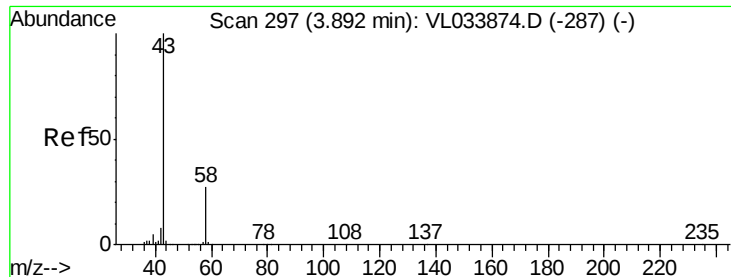


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.994 ppbv

RT: 3.89 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

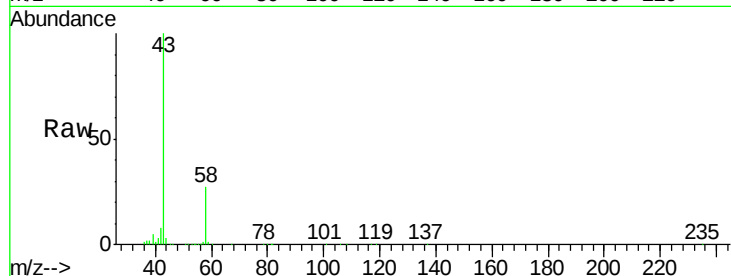
ClientSampleId :

Tot Ion: 43 Resp: 1168552

Ion Ratio Lower Upper

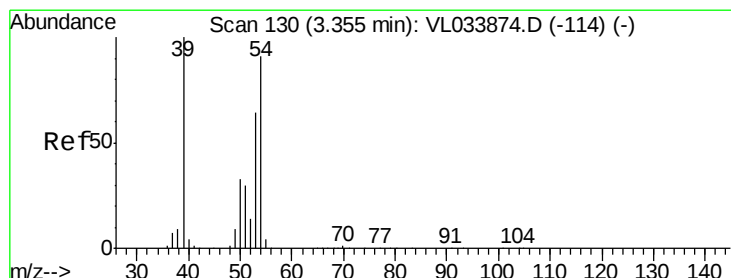
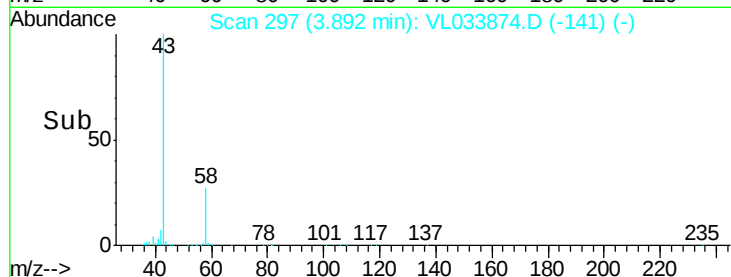
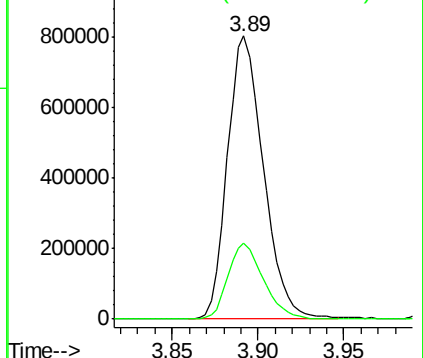
43 100

58 26.5 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.229 ppbv

RT: 3.35 min Scan# 130

Delta R.T. 0.00 min

Lab File: VL033874.D

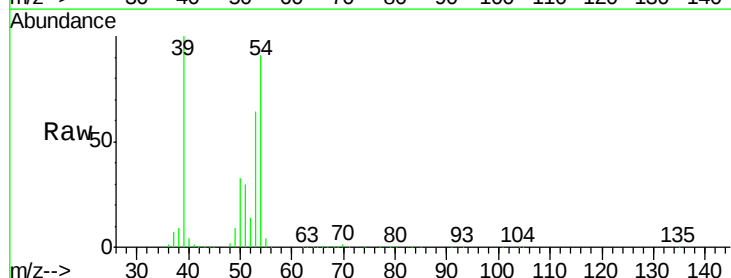
Acq: 7 Jun 2019 2:03

Tgt Ion: 39 Resp: 536642

Ion Ratio Lower Upper

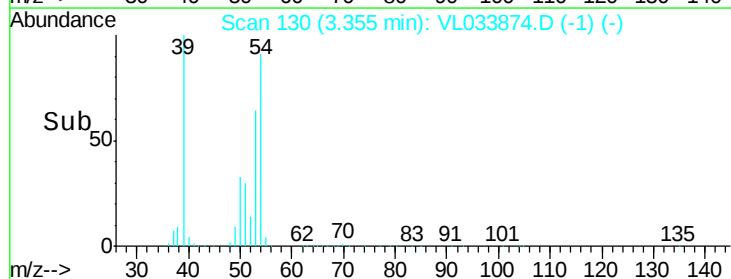
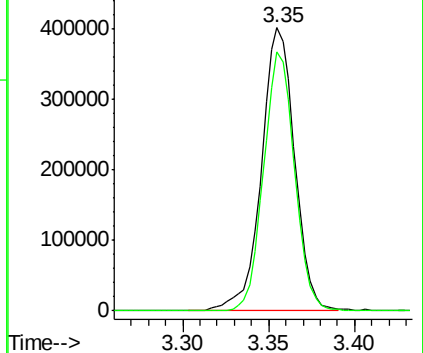
39 100

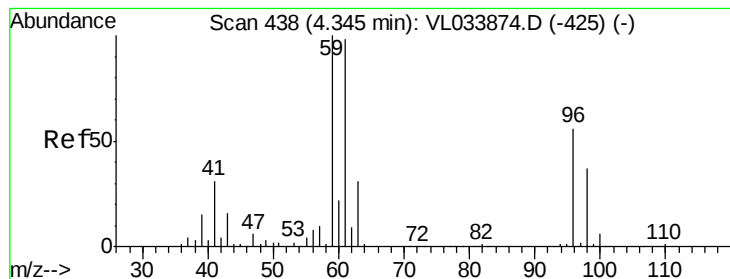
54 85.8 68.6 103.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.443 ppbv

RT: 4.35 min Scan# 438

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

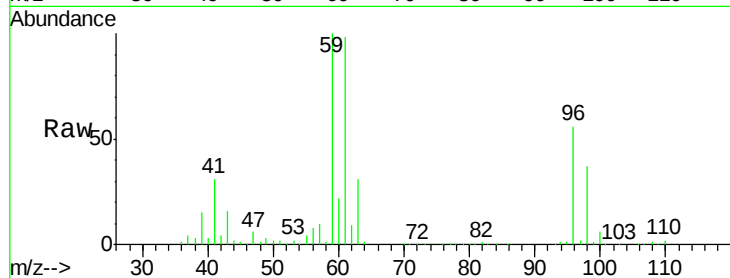
ClientSampleId :

Tot Ion: 59 Resp: 1236570

Ion Ratio Lower Upper

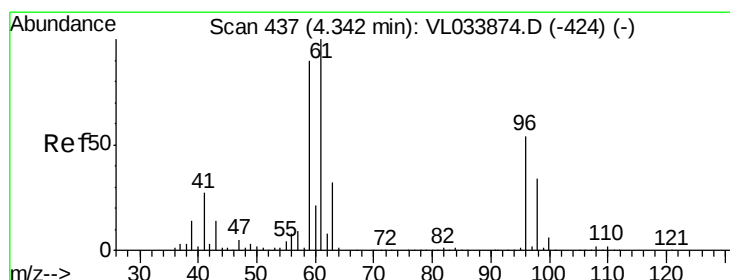
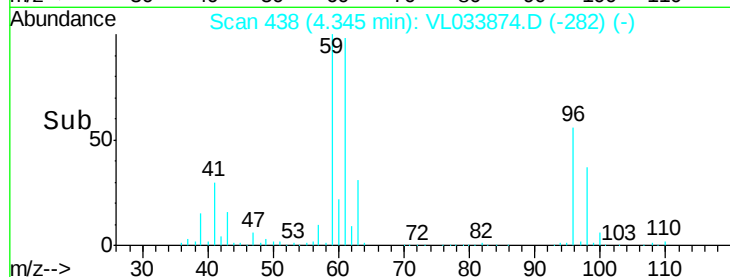
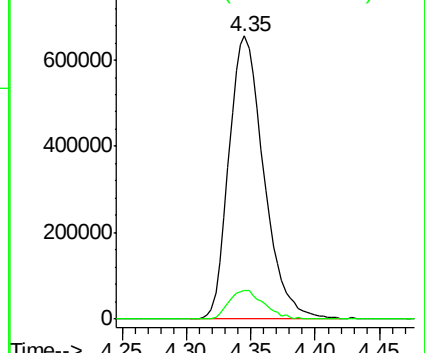
59 100

57 10.4 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: 10.281 ppbv

RT: 4.34 min Scan# 437

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

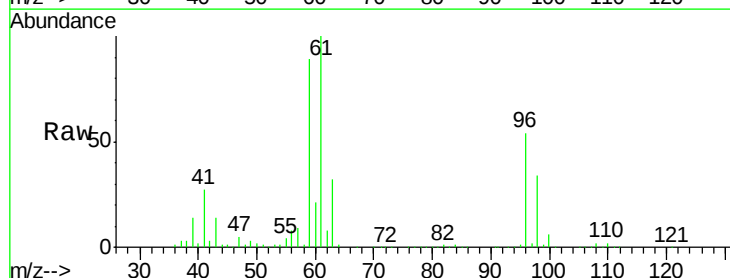
Tgt Ion: 96 Resp: 574116

Ion Ratio Lower Upper

96 100

61 183.8 147.0 220.6

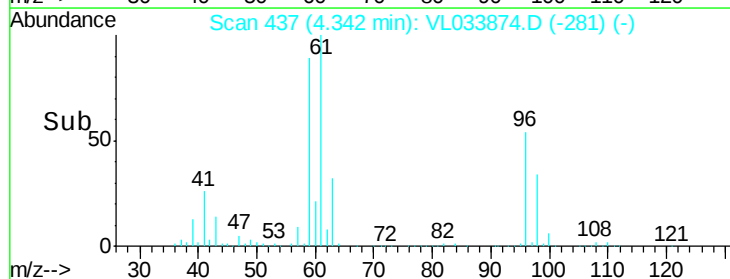
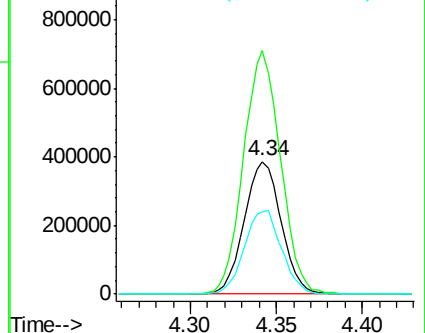
98 61.7 49.4 74.0

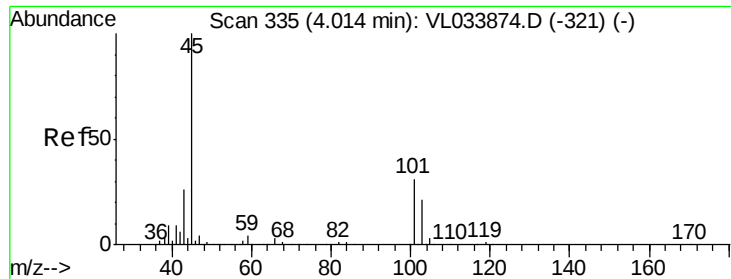


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.551 ppbv

RT: 4.01 min Scan# 335

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

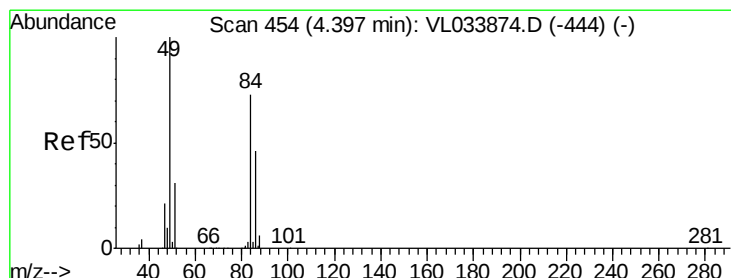
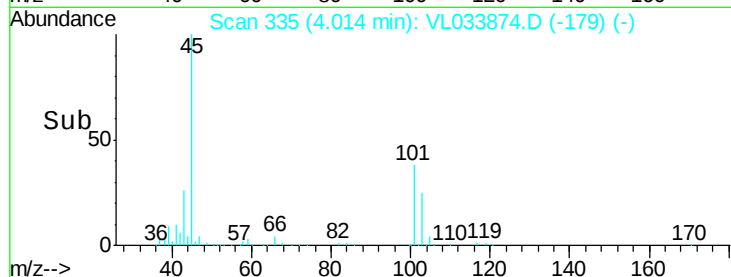
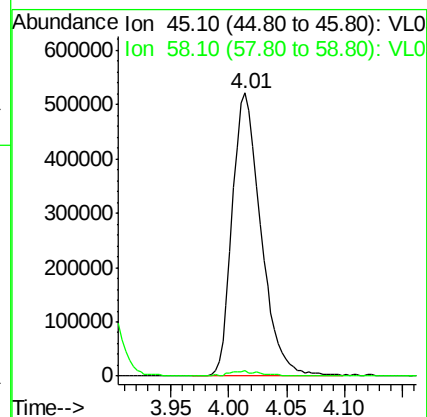
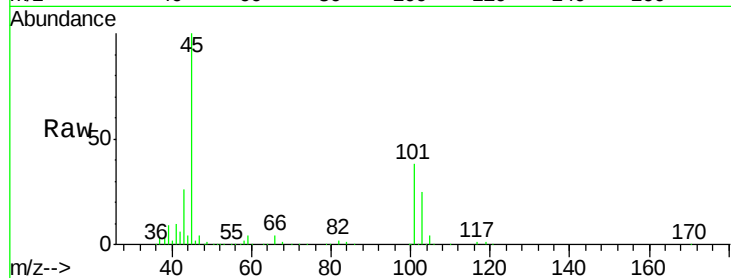
ClientSampleId :

Tot Ion: 45 Resp: 890955

Ion Ratio Lower Upper

45 100

58 2.4 1.8 2.6



#20

Methylene Chloride

Concen: 9.560 ppbv

RT: 4.40 min Scan# 454

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Tgt Ion: 84 Resp: 482560

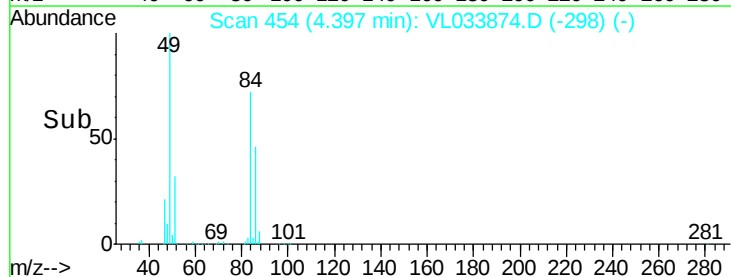
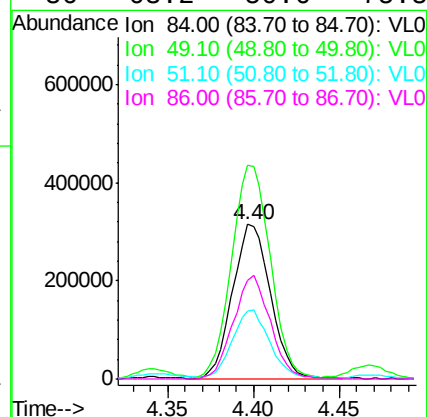
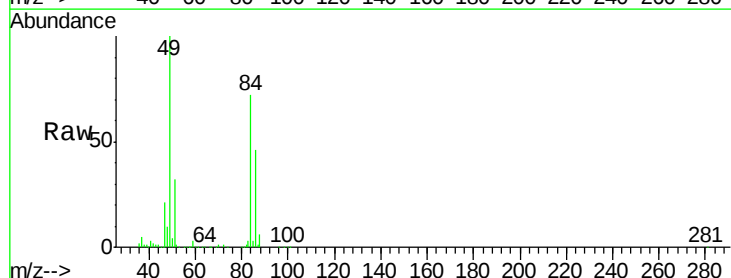
Ion Ratio Lower Upper

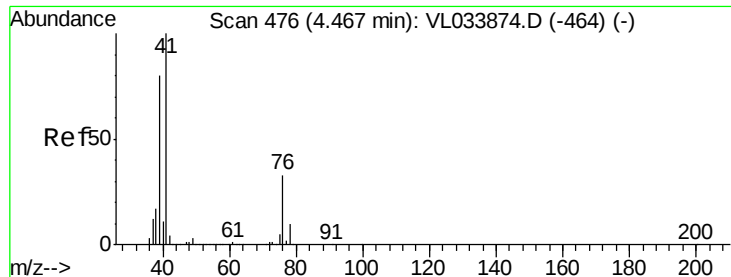
84 100

49 137.5 110.0 165.0

51 43.2 34.6 51.8

86 63.2 50.6 75.8





#21

Allvl Chloride

Concen: 10.130 ppbv

RT: 4.47 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :
MSVOA_L
ClientSampleId :

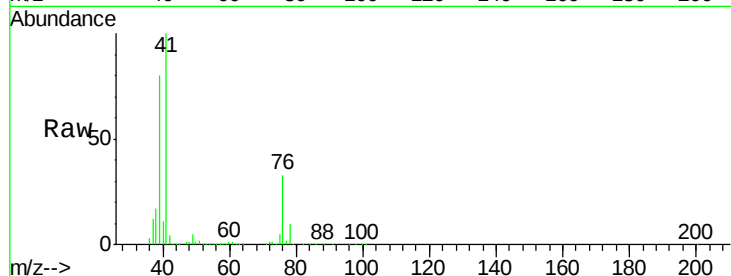
Tot Ion: 41 Resp: 817973

Ion Ratio Lower Upper

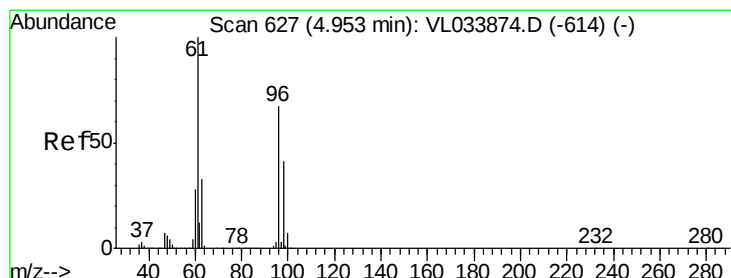
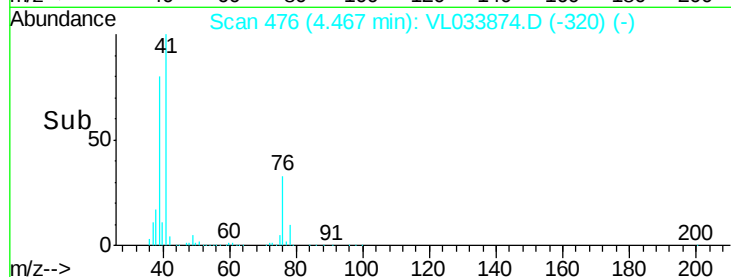
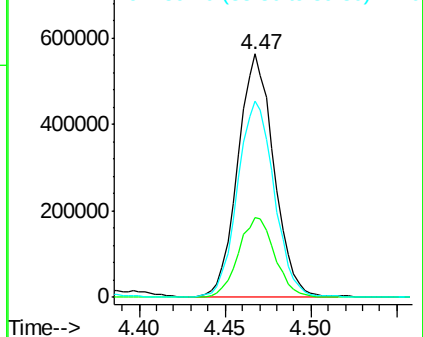
41 100

76 33.1 26.6 39.8

39 82.3 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: 10.395 ppbv

RT: 4.95 min Scan# 627

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

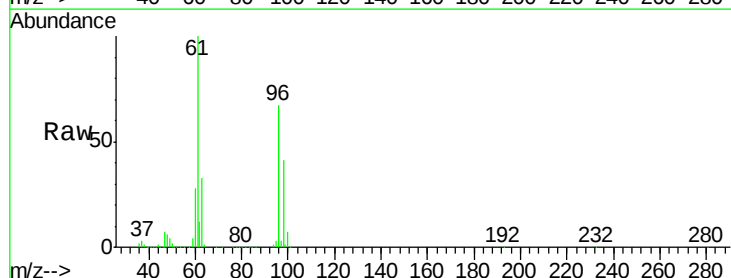
Tgt Ion: 96 Resp: 605409

Ion Ratio Lower Upper

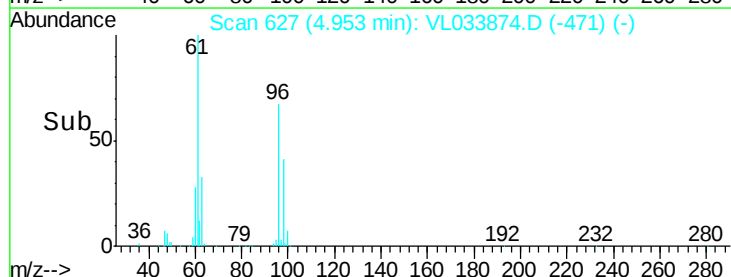
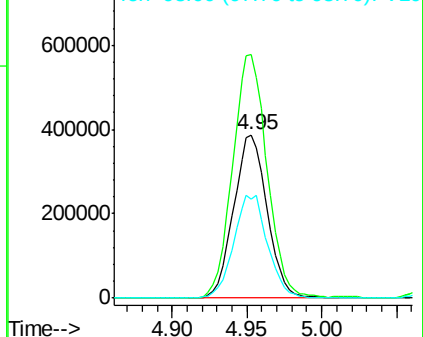
96 100

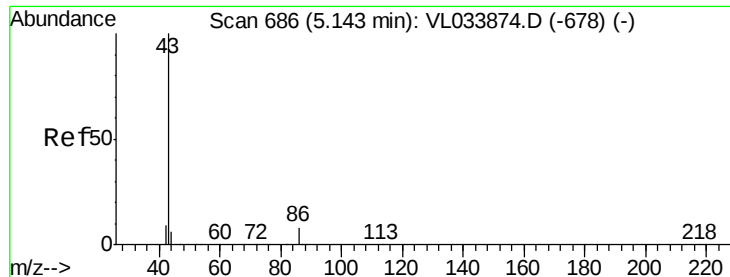
61 148.8 119.0 178.6

98 60.4 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: 10.068 ppbv

RT: 5.14 min Scan# 686

Delta R.T. 0.00 min

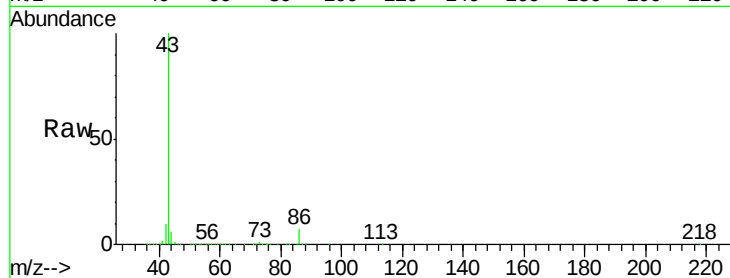
Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1718613

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.8
42	9.8	7.8	11.8
44	5.3	4.2	6.4

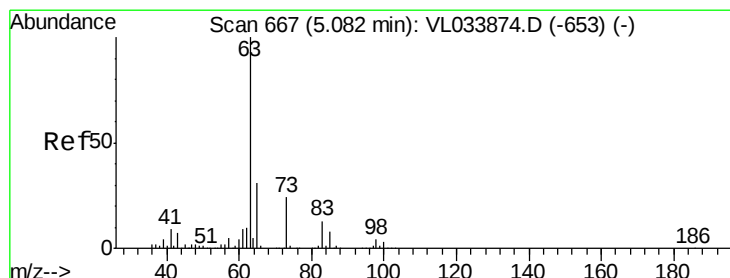
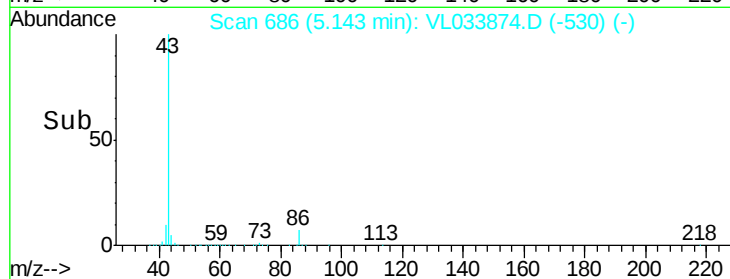
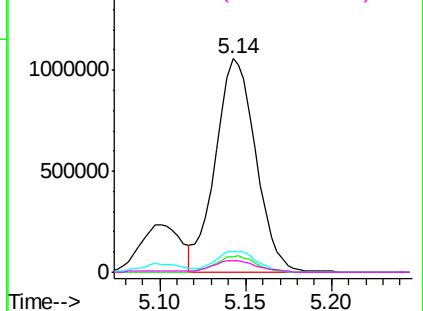


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.478 ppbv

RT: 5.08 min Scan# 667

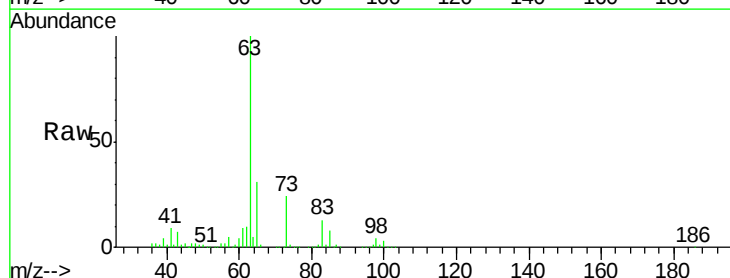
Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Tgt Ion: 63 Resp: 1240453

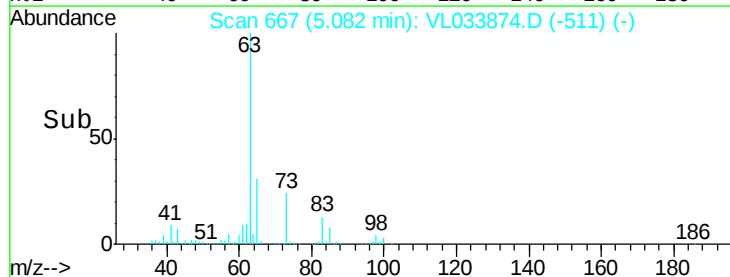
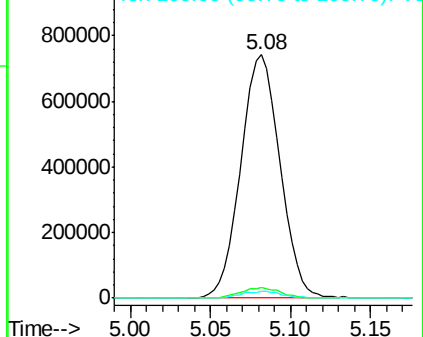
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	2.5	1.3	3.8

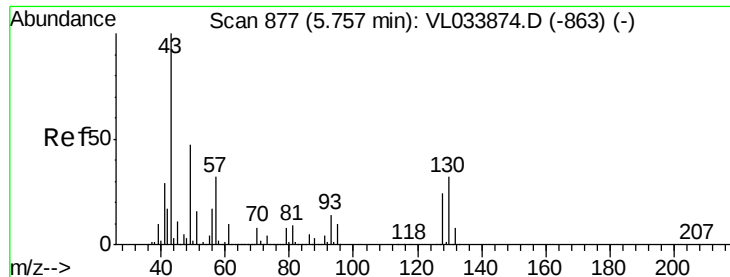


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.316 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2112744

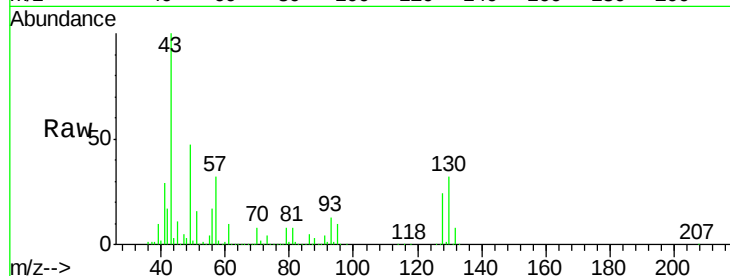
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.8	11.6
70	7.2	5.8	8.6

43 100

45 10.0 7.9 11.9

61 9.5 7.8 11.6

70 7.2 5.8 8.6



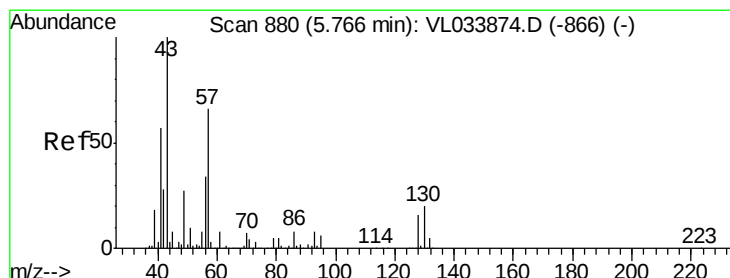
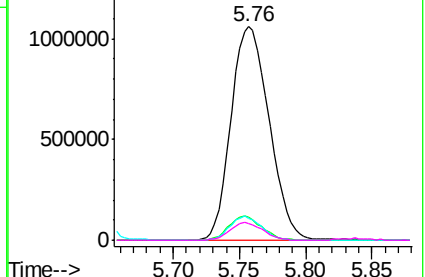
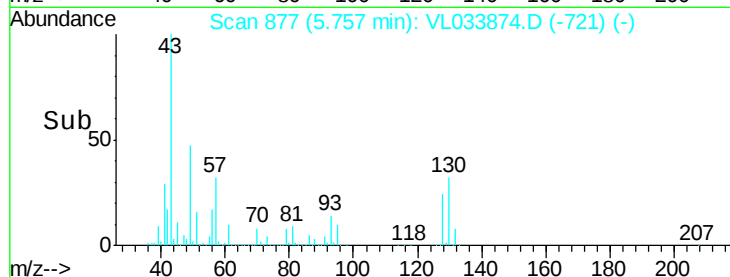
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

Time-->



#26

Hexane

Concen: 9.499 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Tgt Ion: 57 Resp: 923882

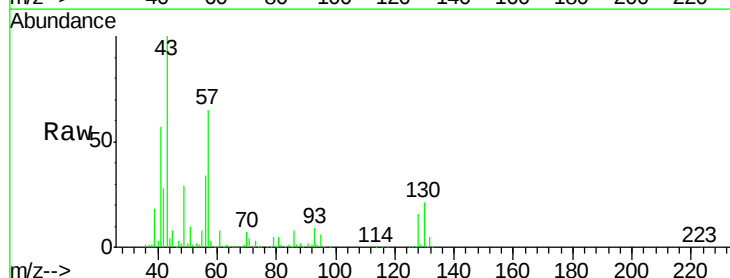
Ion	Ratio	Lower	Upper
57	100		
41	89.3	71.4	107.2
43	229.6	183.7	275.5
56	53.4	42.7	64.1

57 100

41 89.3 71.4 107.2

43 229.6 183.7 275.5

56 53.4 42.7 64.1



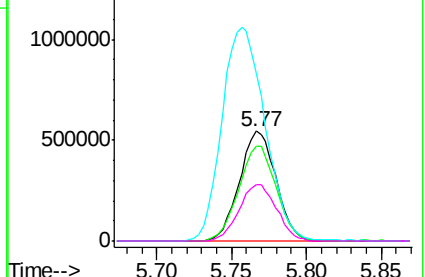
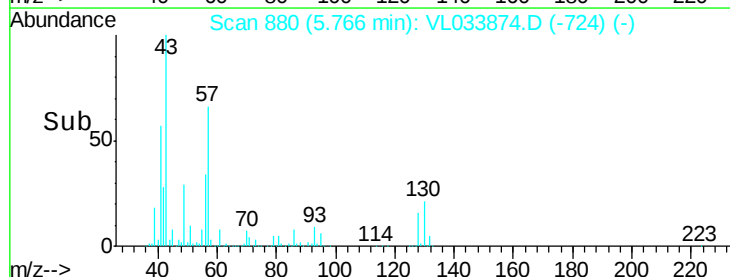
Abundance Ion 57.10 (56.80 to 57.80): VL0

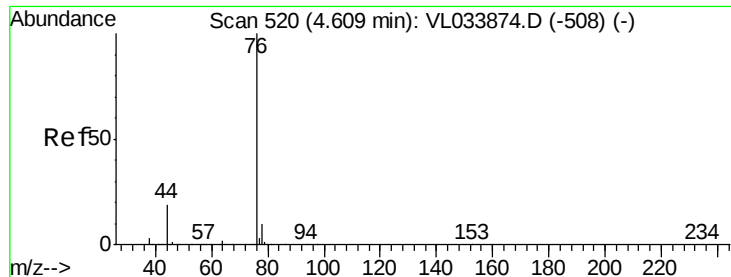
Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->

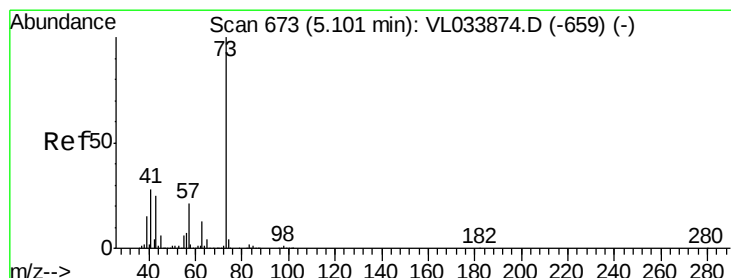
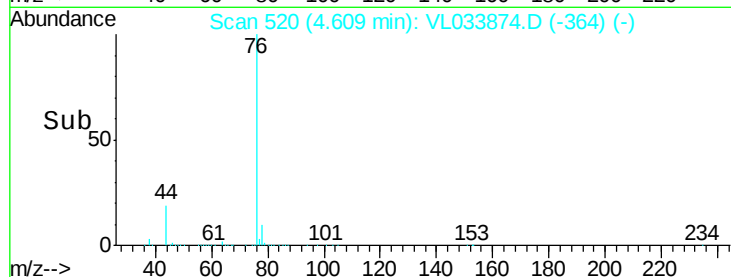
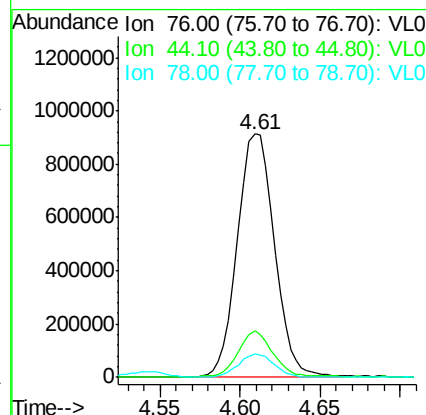
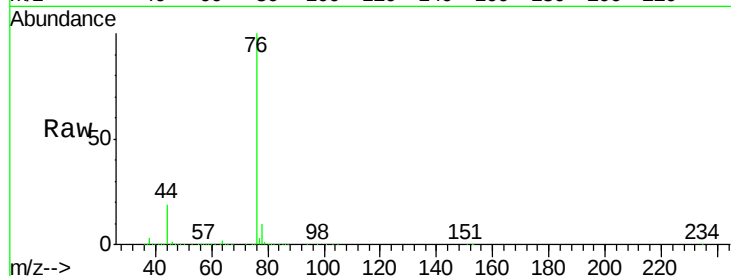




#27
Carbon Disulfide
Concen: 10.713 ppbv
RT: 4.61 min Scan# 520
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

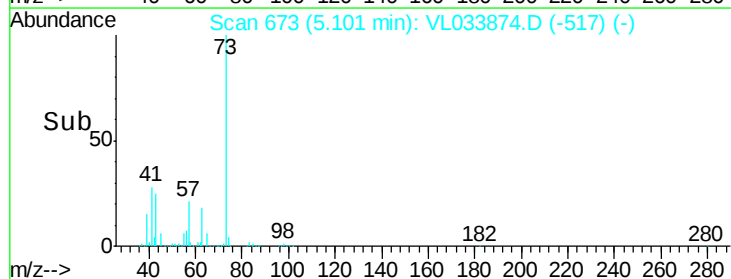
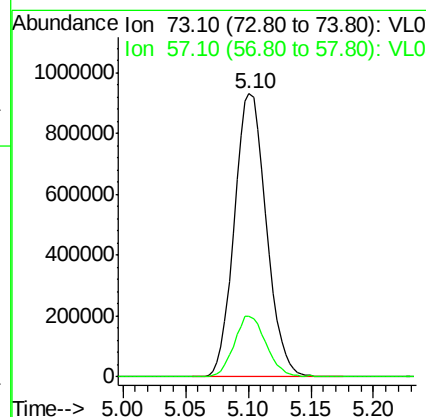
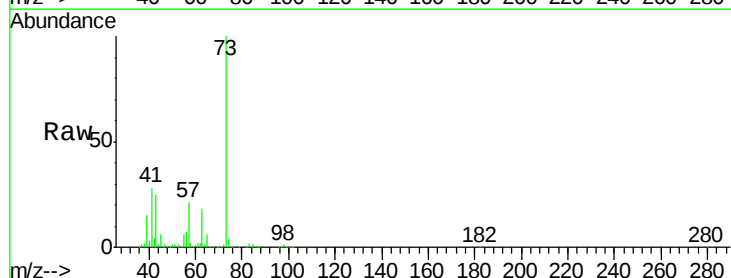
Instrument :
MSVOA_L
ClientSampleId :

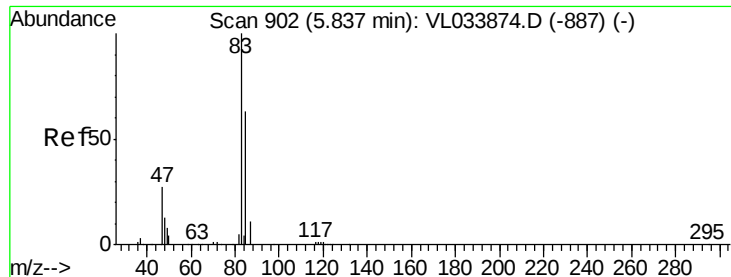
Tot Ion: 76 Resp: 1447142
Ion Ratio Lower Upper
76 100
44 17.7 14.4 21.6
78 9.5 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 10.225 ppbv
RT: 5.10 min Scan# 673
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion: 73 Resp: 1647962
Ion Ratio Lower Upper
73 100
57 21.5 17.2 25.8

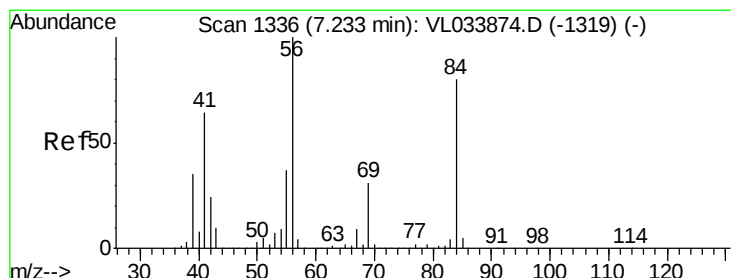
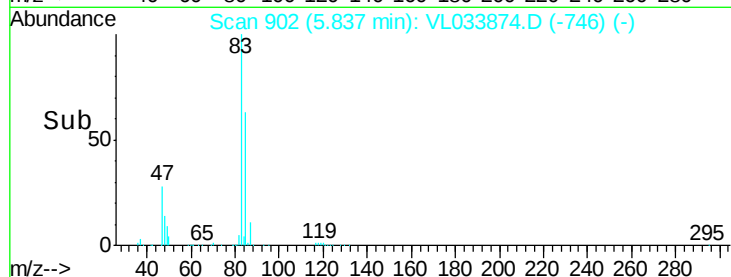
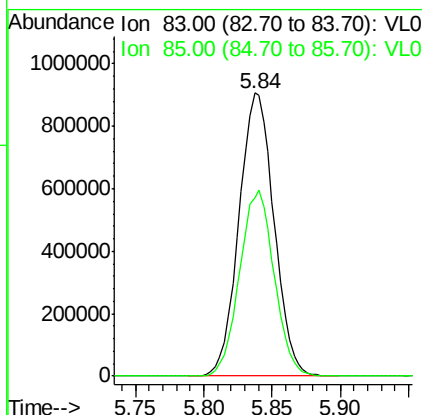
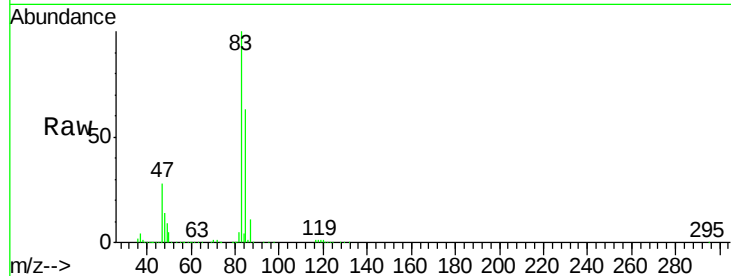




#29
Chloroform
Concen: 8.984 ppbv
RT: 5.84 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

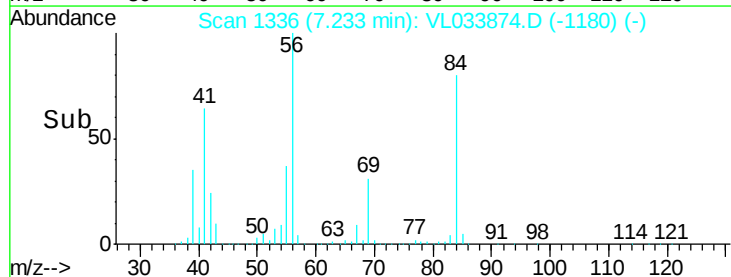
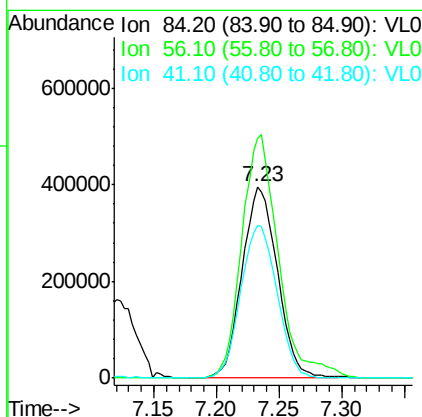
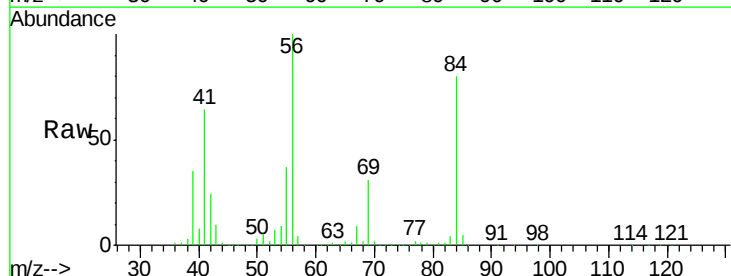
Instrument :
MSVOA_L
ClientSampleId :

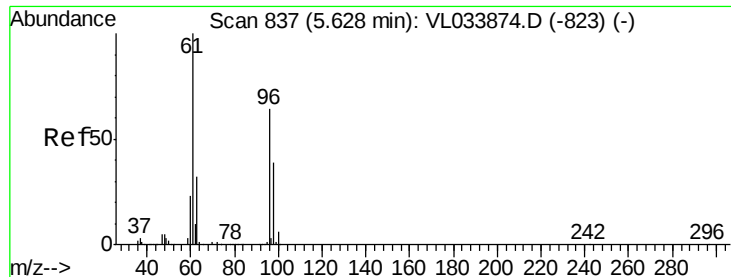
Tot Ion: 83 Resp: 1619817
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7



#30
Cyclohexane
Concen: 9.557 ppbv
RT: 7.23 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion: 84 Resp: 776453
Ion Ratio Lower Upper
84 100
56 132.5 105.8 158.8
41 82.0 65.7 98.5



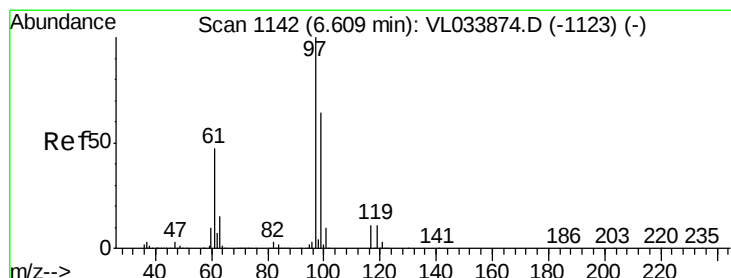
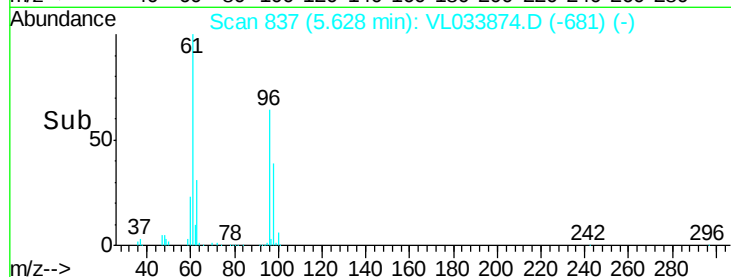
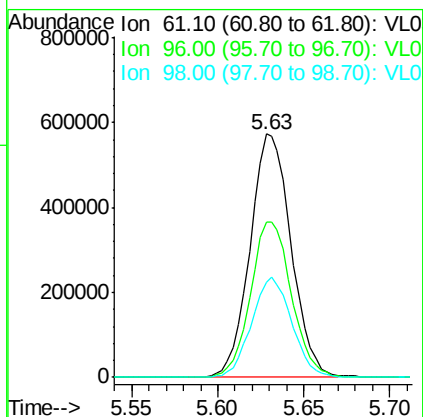
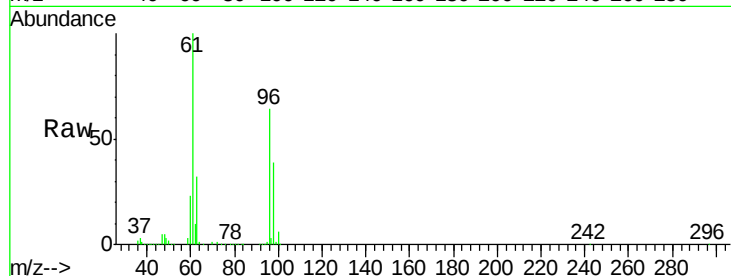


#31

cis-1,2-Dichloroethene
Concen: 9.700 ppbv
RT: 5.63 min Scan# 837
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Instrument :
MSVOA_L
ClientSampleId :

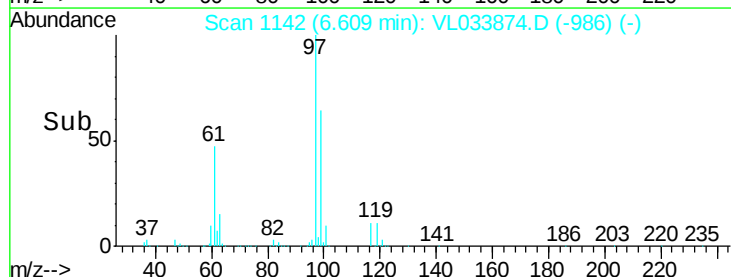
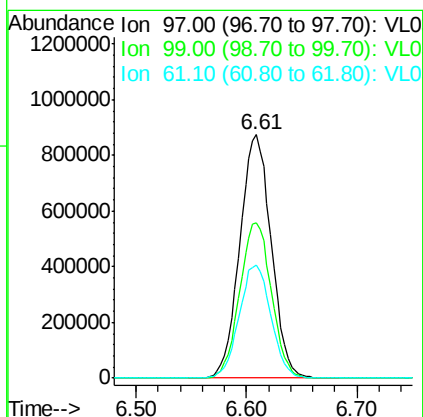
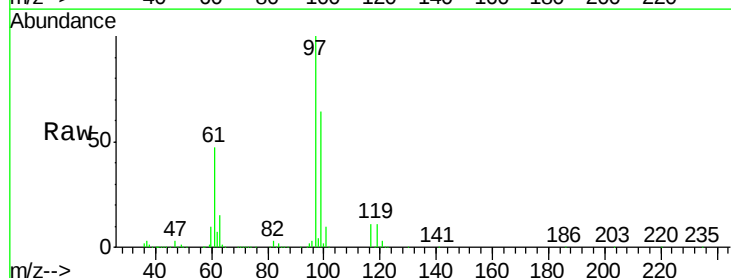
Tot Ion	Ratio	Lower	Upper
61	100		
96	63.6	50.9	76.3
98	39.3	31.4	47.2

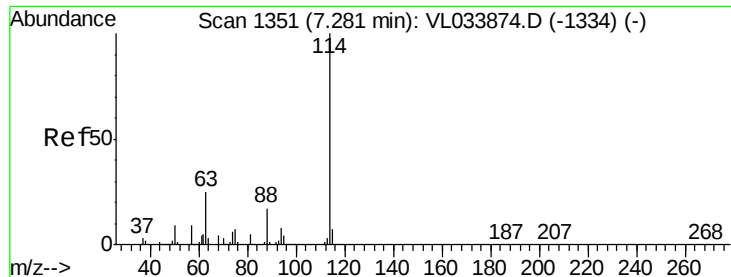


#32

1,1,1-Trichloroethane
Concen: 9.546 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	47.1	37.7	56.5

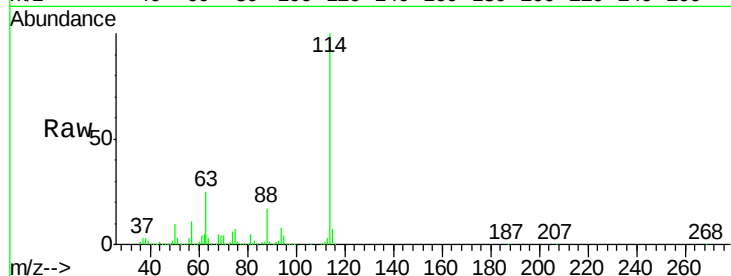




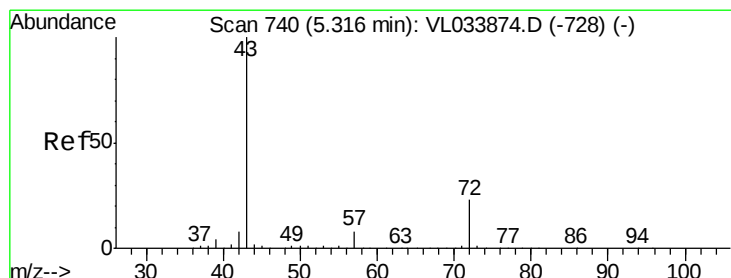
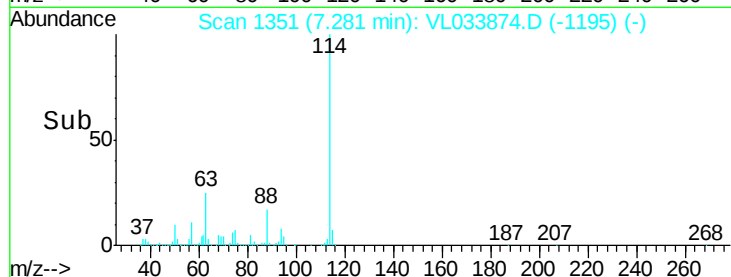
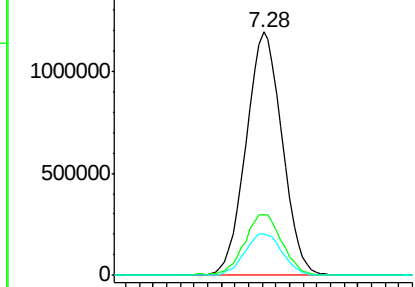
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2190027
 Ion Ratio Lower Upper
 114 100
 63 26.4 21.1 31.7
 88 17.8 14.2 21.4

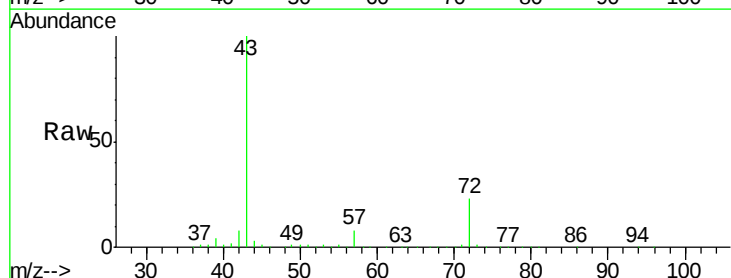


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

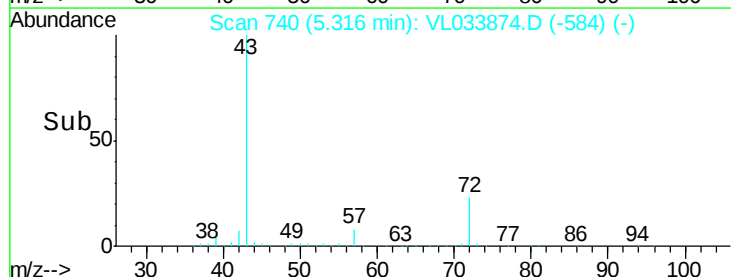
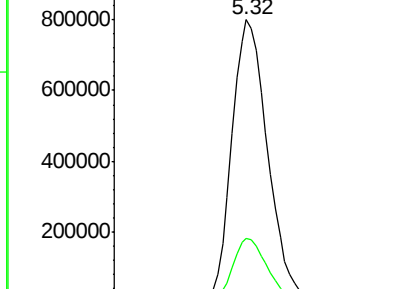


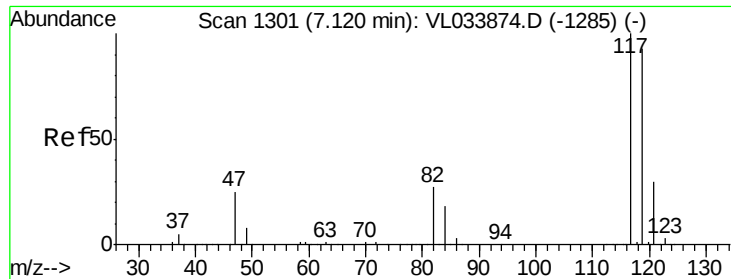
#34
 2-Butanone
 Concen: 9.946 ppbv
 RT: 5.32 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

Tgt Ion: 43 Resp: 1346538
 Ion Ratio Lower Upper
 43 100
 72 22.5 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: 10.396 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

ClientSampleId :

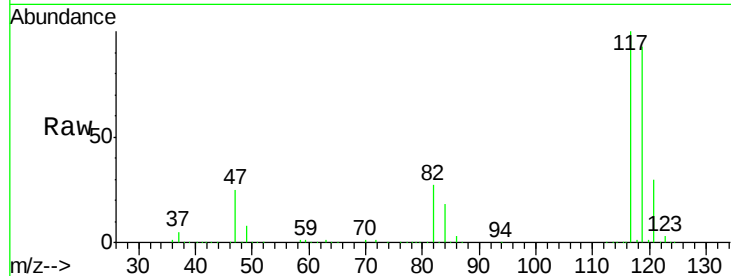
Tot Ion:117 Resp: 1827018

Ion Ratio Lower Upper

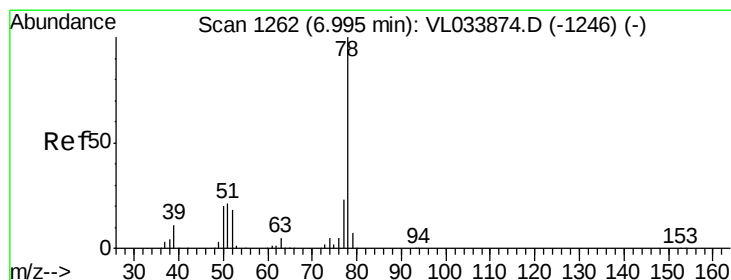
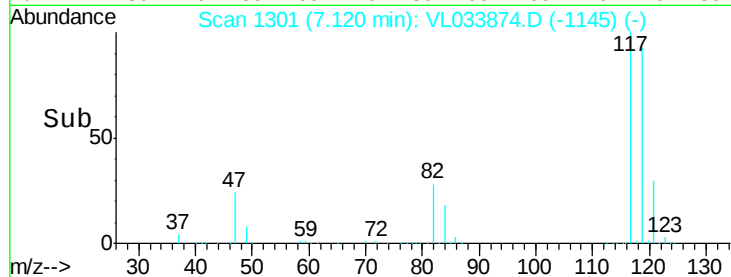
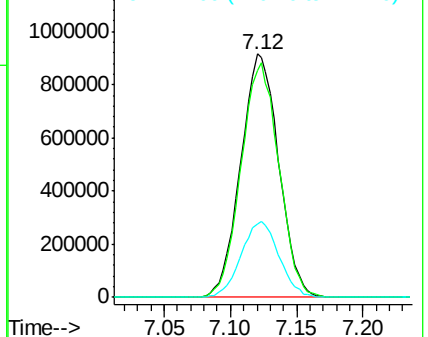
117 100

119 93.2 74.6 111.8

121 30.0 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: 9.538 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

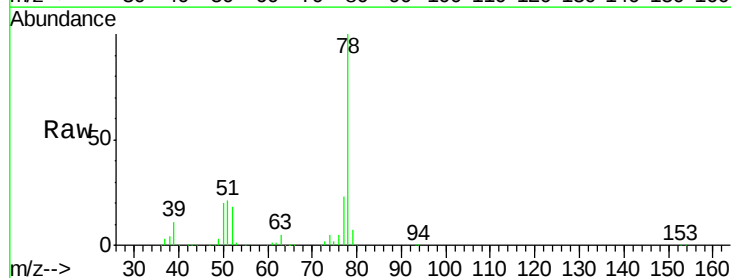
Tgt Ion: 78 Resp: 1866244

Ion Ratio Lower Upper

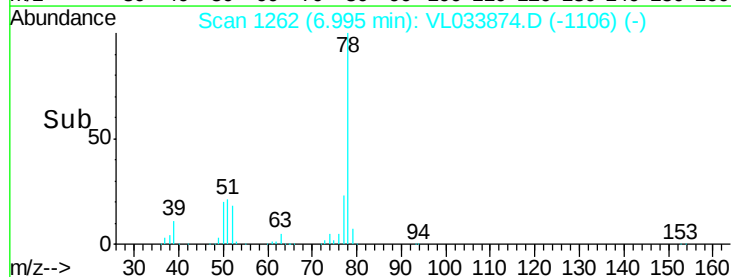
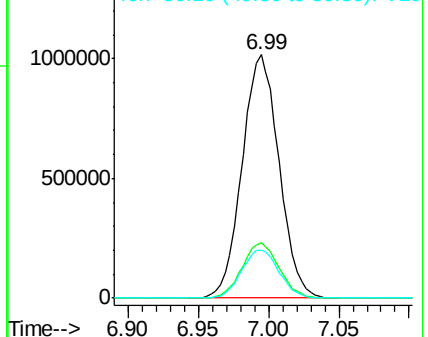
78 100

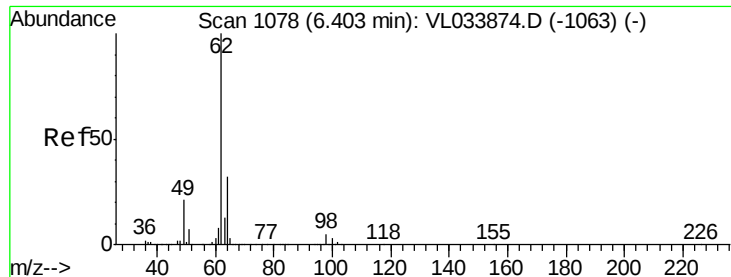
77 22.7 18.2 27.2

50 19.9 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: 10.005 ppbv

RT: 6.40 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

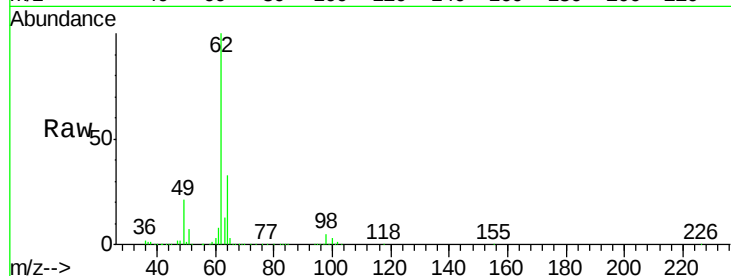
ClientSampleId :

Tot Ion: 62 Resp: 1291603

Ion Ratio Lower Upper

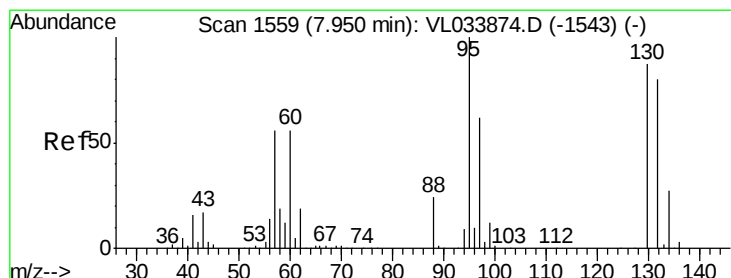
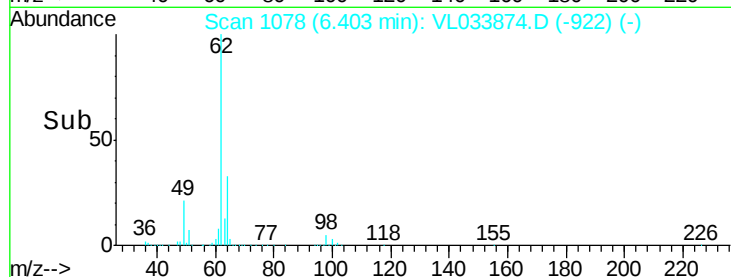
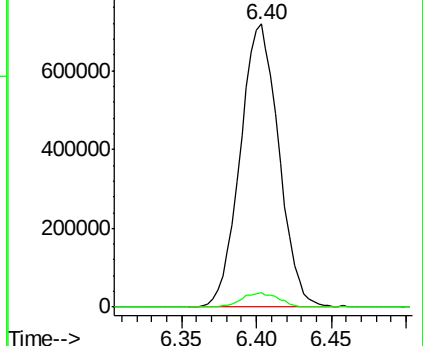
62 100

98 5.0 4.0 6.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 11.019 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Tgt Ion:130 Resp: 817479

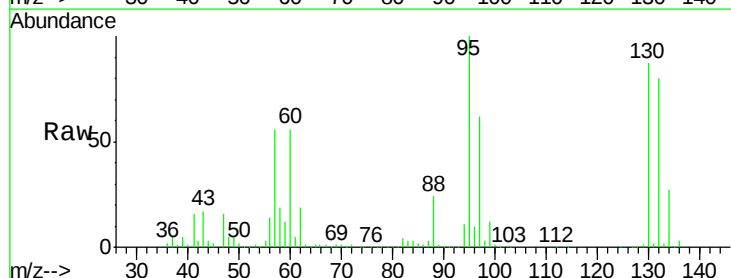
Ion Ratio Lower Upper

130 100

95 115.0 92.0 138.0

132 92.3 73.8 110.8

97 71.5 57.2 85.8

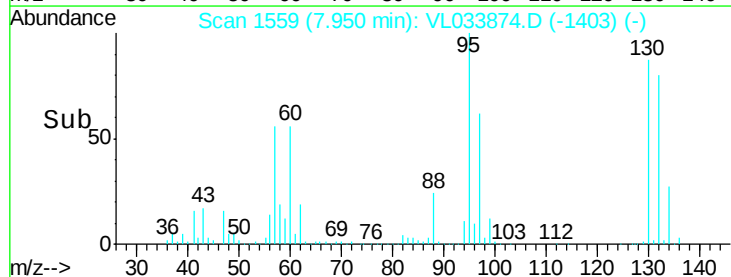
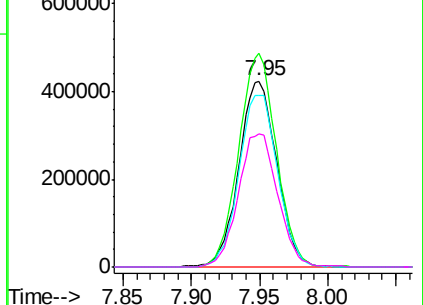


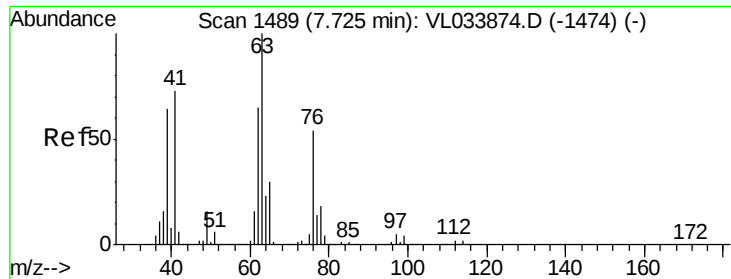
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

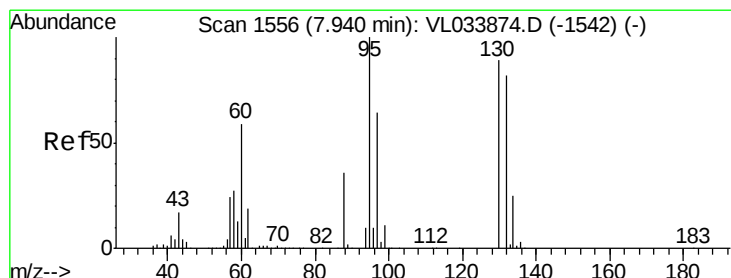
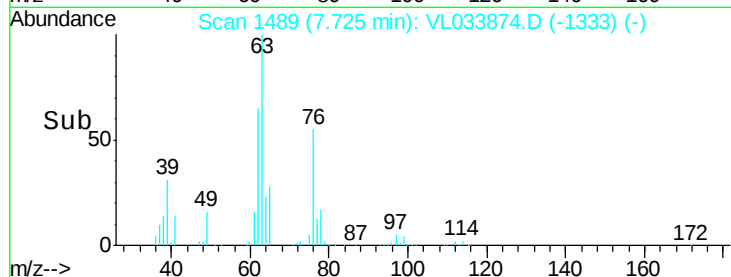
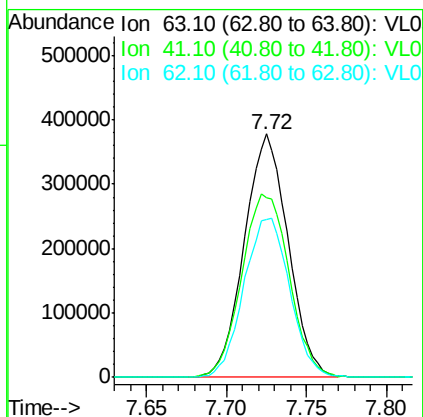
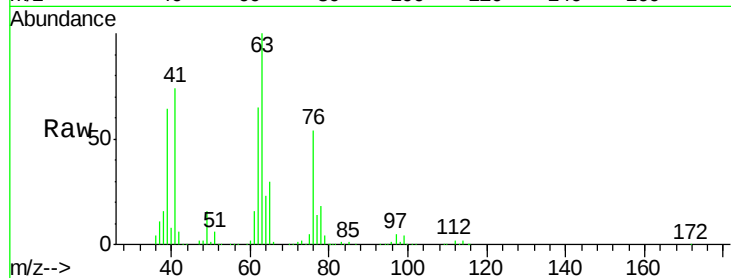




#39
 1,2-Dichloropropane
 Concen: 9.661 ppbv
 RT: 7.72 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

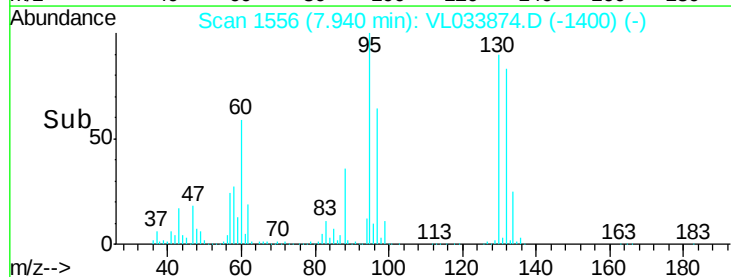
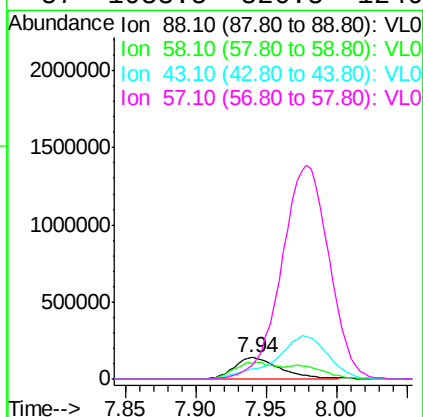
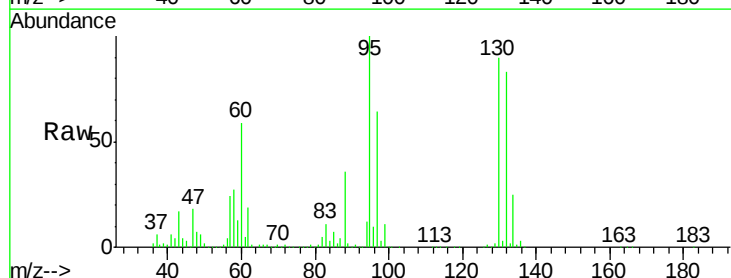
Instrument :
 MSVOA_L
 ClientSampleId :

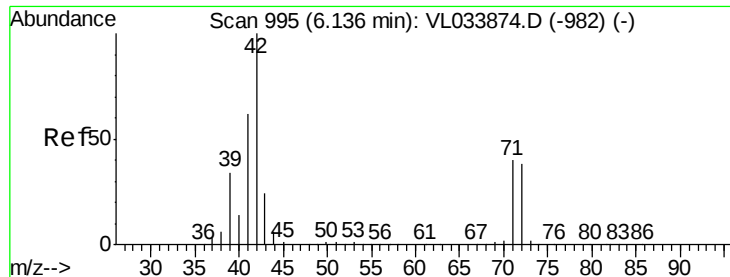
Tot Ion: 63 Resp: 708508
 Ion Ratio Lower Upper
 63 100
 41 73.4 58.7 88.1
 62 64.9 51.9 77.9



#40
 1,4-Dioxane
 Concen: 10.154 ppbv
 RT: 7.94 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

Tgt Ion: 88 Resp: 314144
 Ion Ratio Lower Upper
 88 100
 58 125.0 100.0 150.0
 43 230.9 184.7 277.1
 57 1033.5 826.8 1240.2





#41

Tetrahydrofuran

Concen: 9.896 ppbv

RT: 6.14 min Scan# 995

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

ClientSampled :

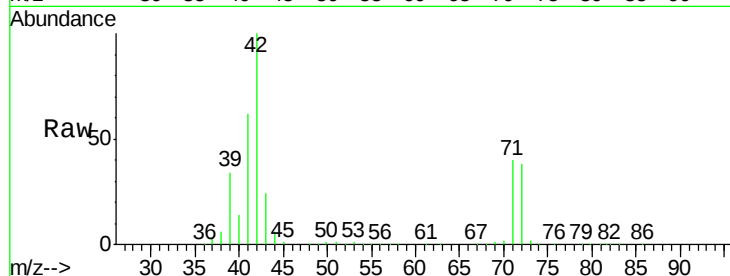
Tot Ion: 42 Resp: 736457

Ion Ratio Lower Upper

42 100

72 40.3 32.2 48.4

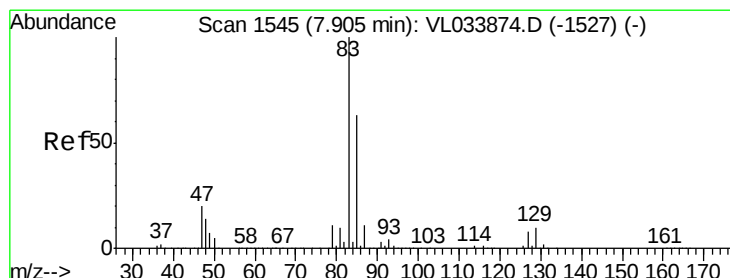
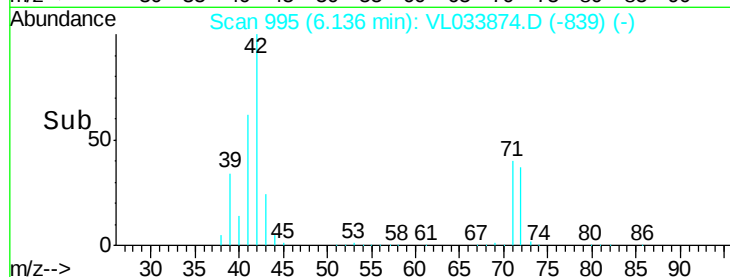
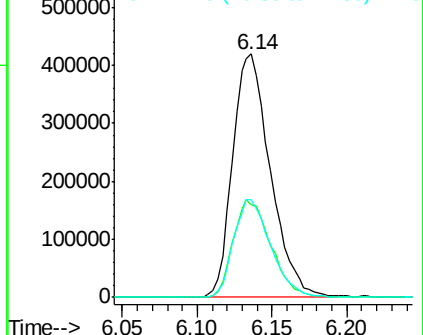
71 39.6 31.7 47.5



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: 10.148 ppbv

RT: 7.90 min Scan# 1545

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

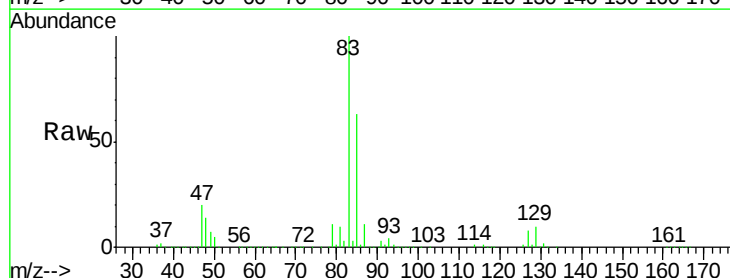
Tgt Ion: 83 Resp: 1785105

Ion Ratio Lower Upper

83 100

85 62.7 50.2 75.2

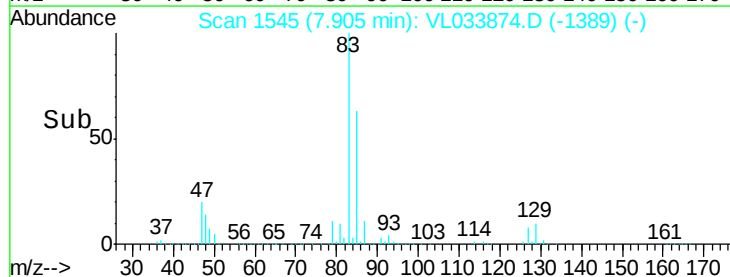
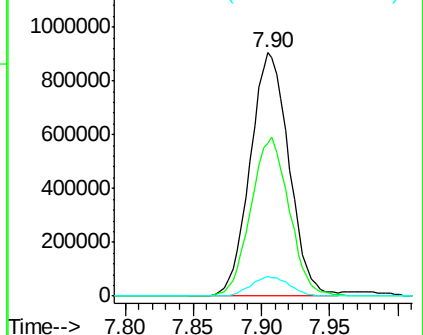
127 8.1 6.5 9.7

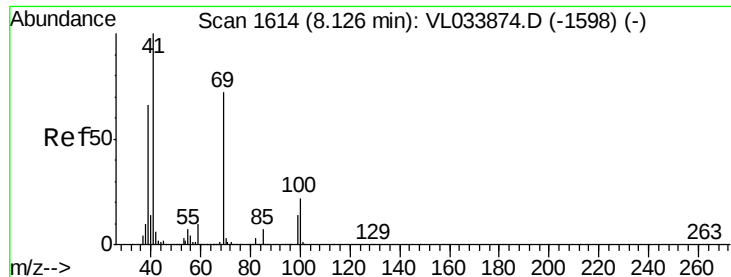


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

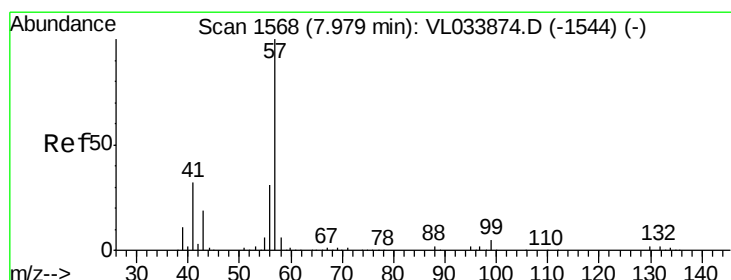
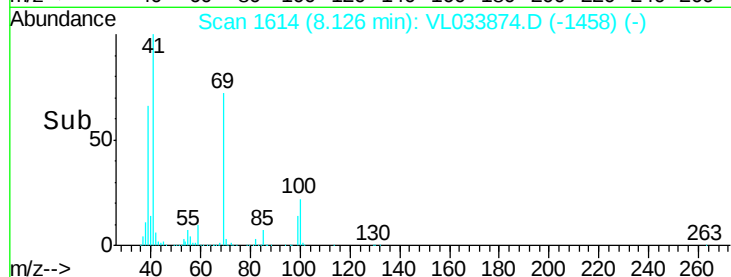
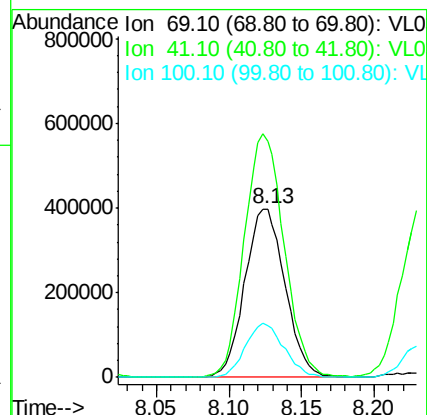
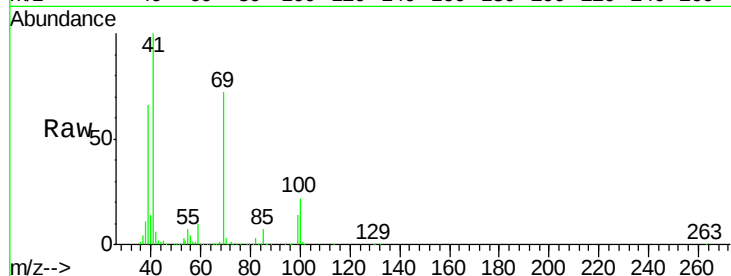




#43
Methvl Methacrylate
Concen: 10.558 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

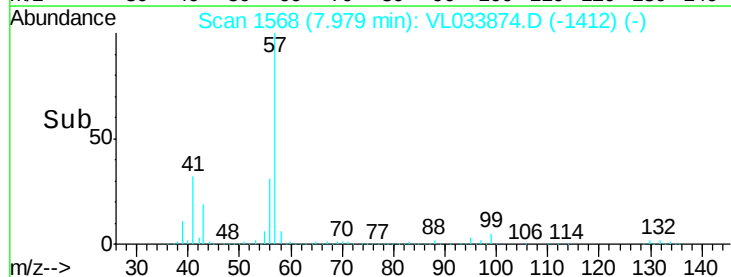
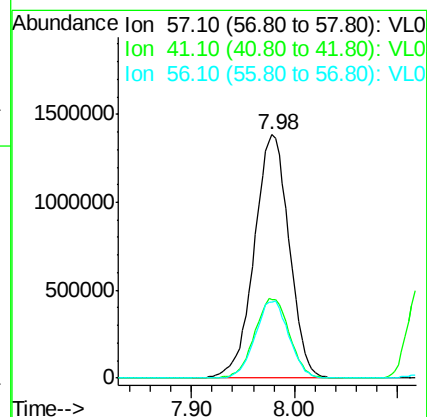
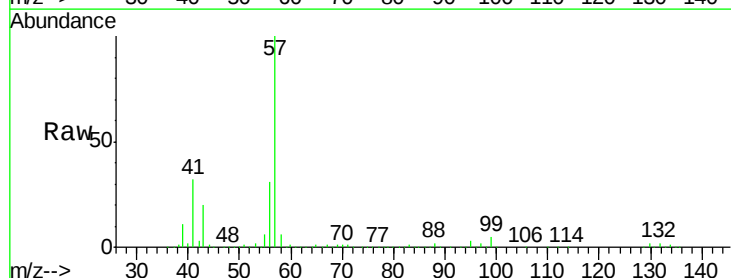
Instrument :
MSVOA_L
ClientSampleId :

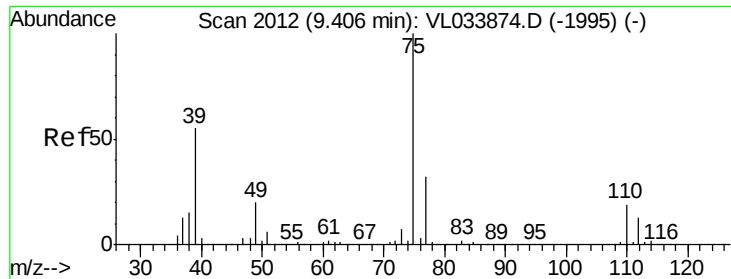
Tot Ion: 69 Resp: 766690
Ion Ratio Lower Upper
69 100
41 143.0 114.3 171.5
100 31.0 24.8 37.2



#44
2,2,4-Trimethylpentane
Concen: 9.733 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion: 57 Resp: 3243517
Ion Ratio Lower Upper
57 100
41 32.7 26.1 39.1
56 30.7 24.6 36.8

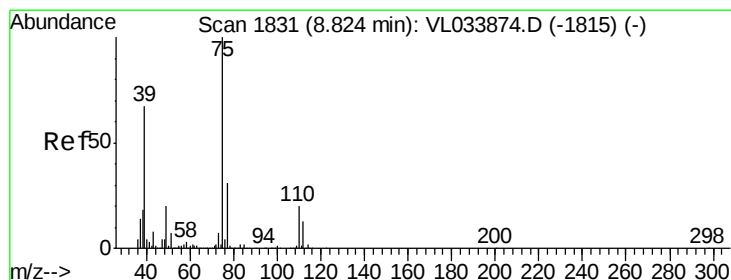
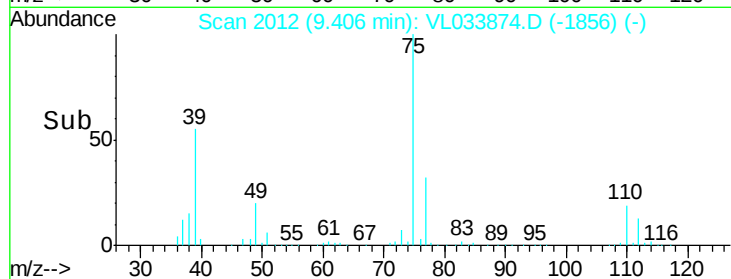
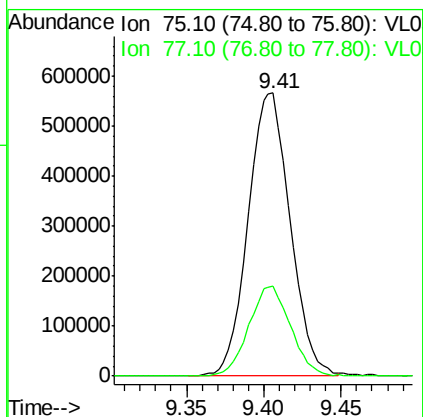
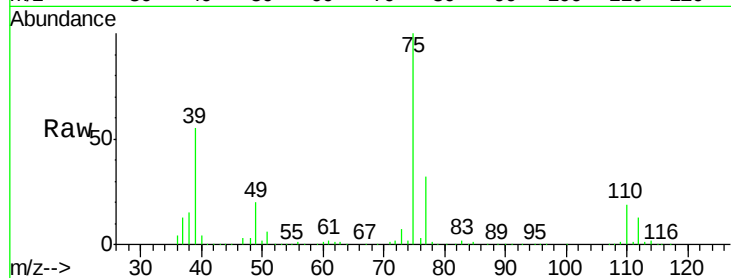




#45
t-1,3-Dichloropropene
Concen: 11.668 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

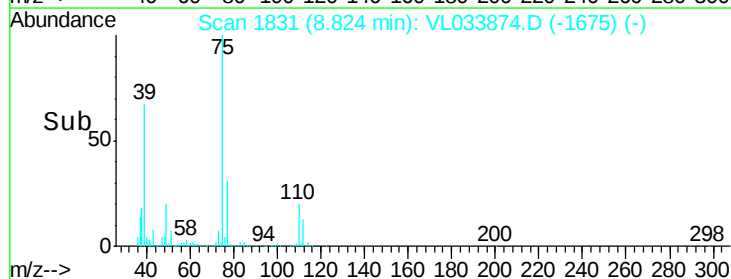
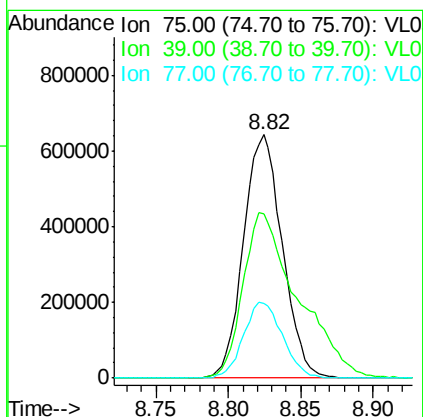
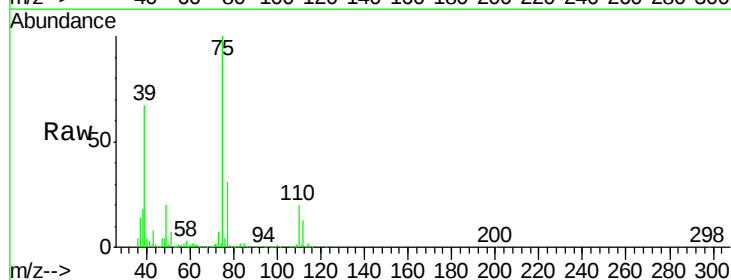
Instrument :
MSVOA_L
ClientSampleId :

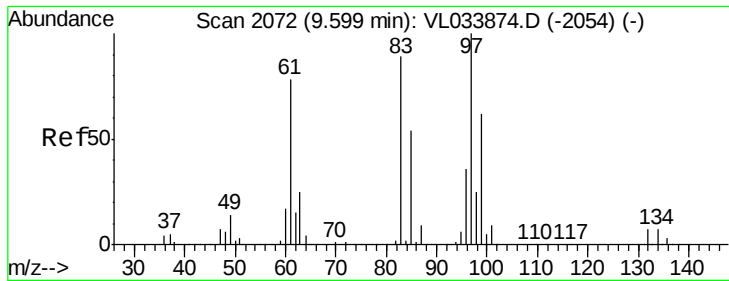
Tot Ion: 75 Resp: 1073037
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



#46
cis-1,3-Dichloropropene
Concen: 11.198 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion: 75 Resp: 1201008
Ion Ratio Lower Upper
75 100
39 67.3 53.8 80.8
77 30.7 24.6 36.8

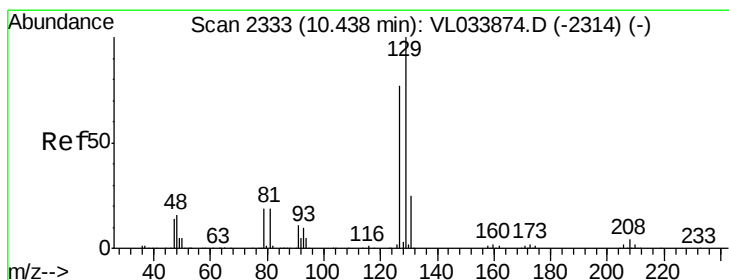
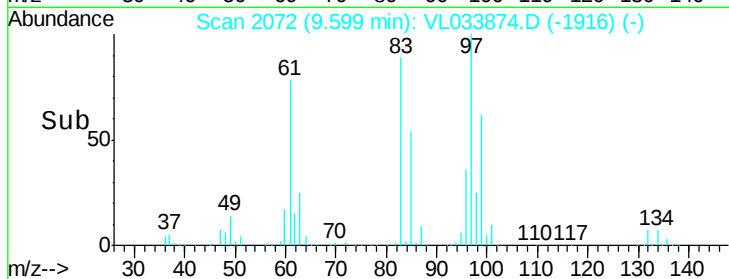
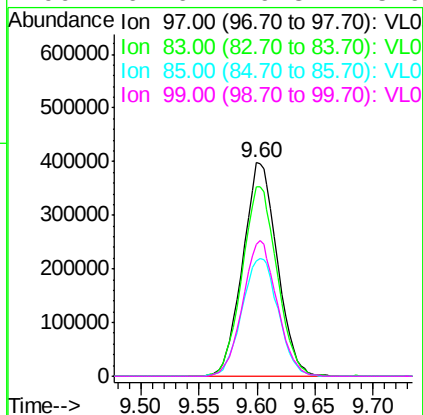
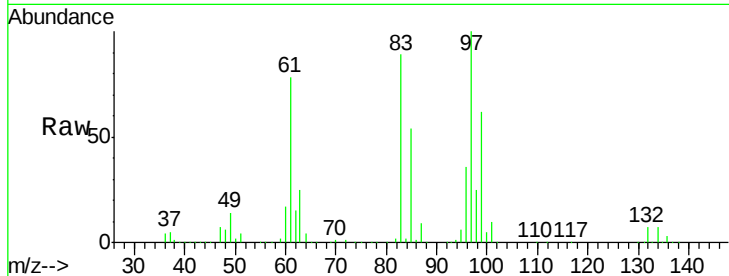




#47
 1,1,2-Trichloroethane
 Concen: 9.845 ppbv
 RT: 9.60 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

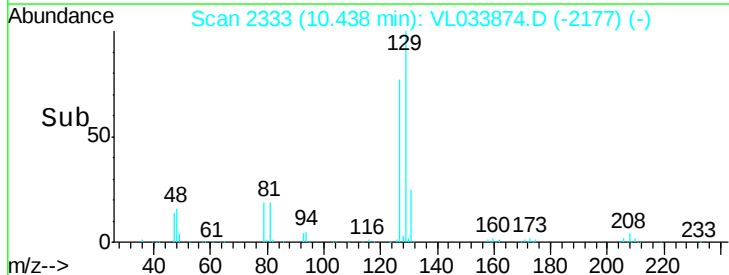
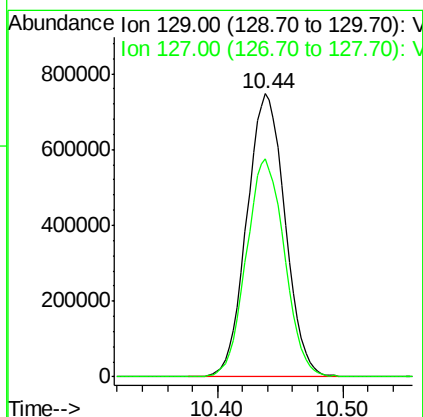
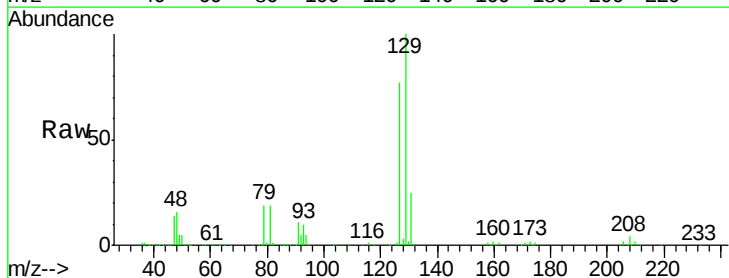
Instrument :
 MSVOA_L
 ClientSampleId :

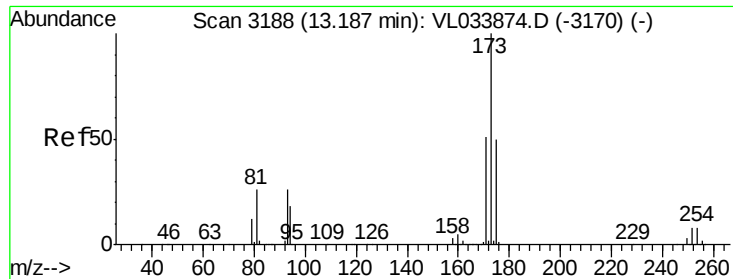
Tot Ion:	97	Resp:	827035
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	53.8	43.0	64.6
99	61.6	49.3	73.9



#48
 Dibromochloromethane
 Concen: 10.852 ppbv
 RT: 10.44 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

Tgt Ion:	129	Resp:	1586828
Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7





#49

Bromoform

Concen: 11.518 ppbv

RT: 13.19 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

ClientSampleId :

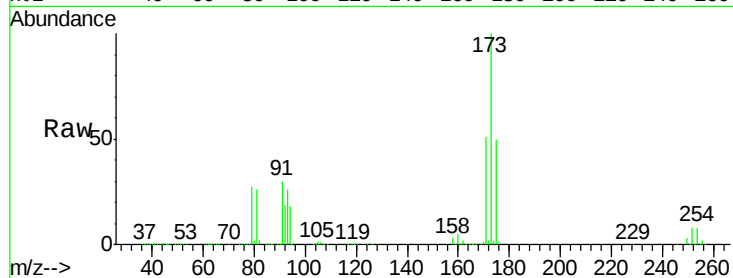
Tot Ion:173 Resp: 1444043

Ion Ratio Lower Upper

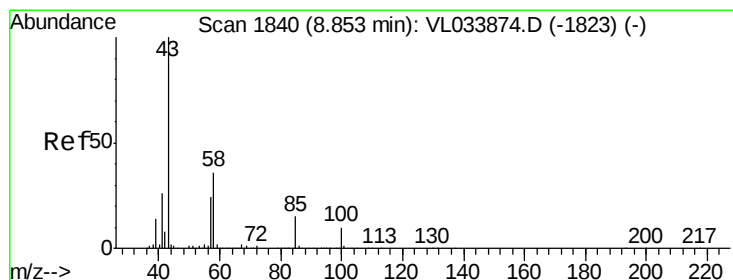
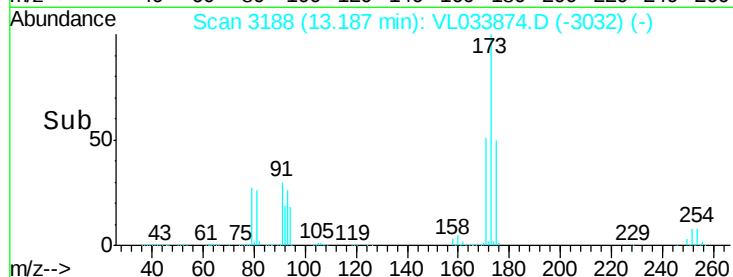
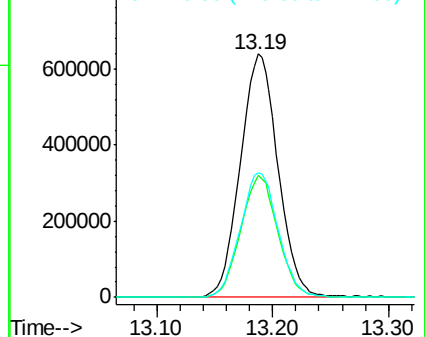
173 100

175 49.5 39.6 59.4

171 52.1 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: 10.163 ppbv

RT: 8.85 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL033874.D

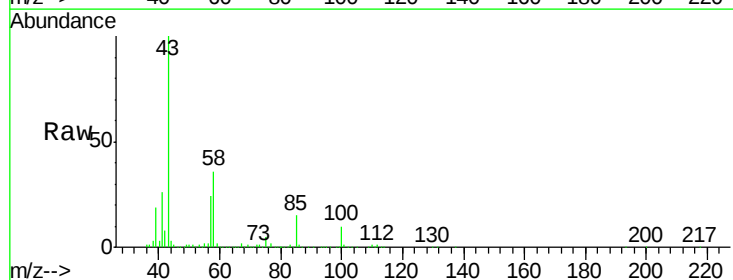
Acq: 7 Jun 2019 2:03

Tgt Ion: 43 Resp: 2096288

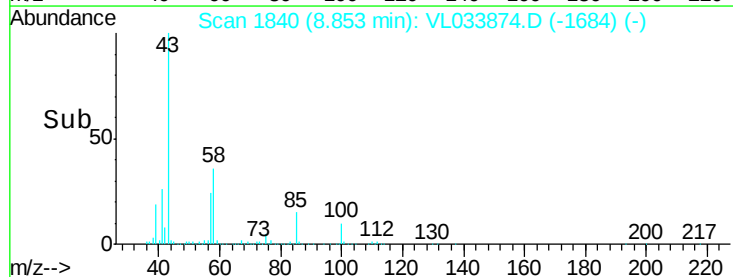
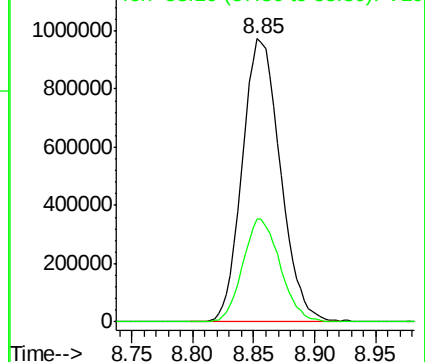
Ion Ratio Lower Upper

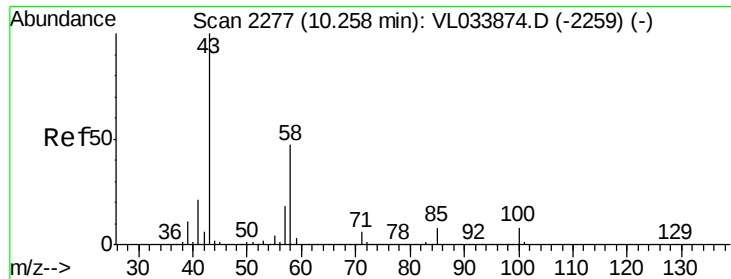
43 100

58 35.7 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: 10.805 ppbv

RT: 10.26 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

ClientSampled :

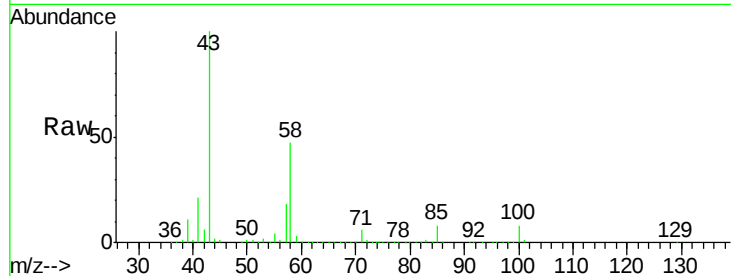
Tot Ion: 43 Resp: 1739962

Ion Ratio Lower Upper

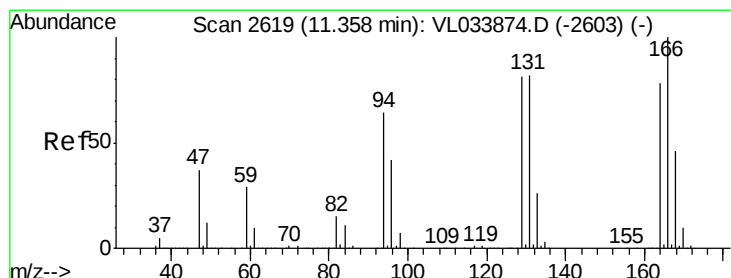
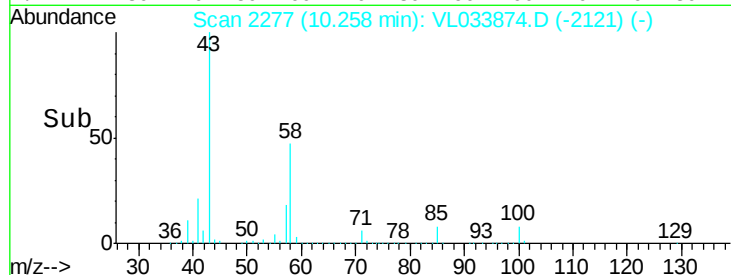
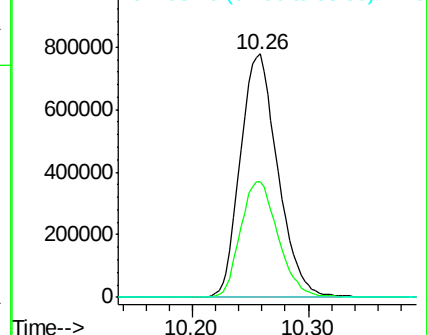
43 100

58 47.8 38.2 57.4

98 0.3 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.868 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Tgt Ion:164 Resp: 757292

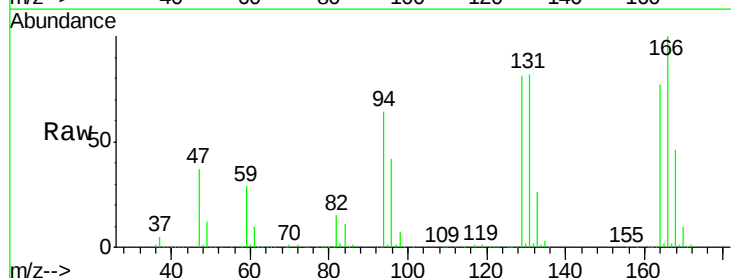
Ion Ratio Lower Upper

164 100

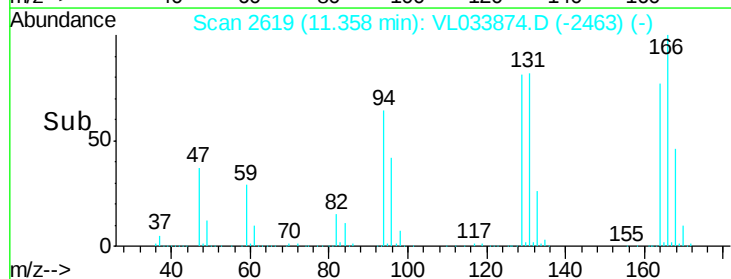
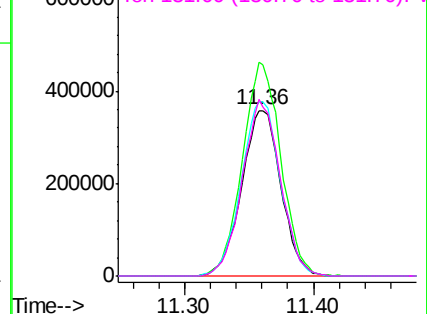
166 128.9 103.1 154.7

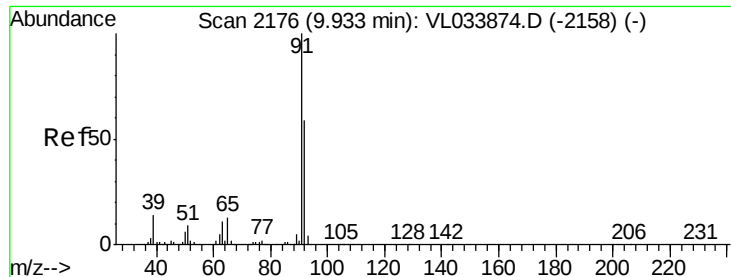
129 104.9 83.9 125.9

131 106.4 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: 10.788 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

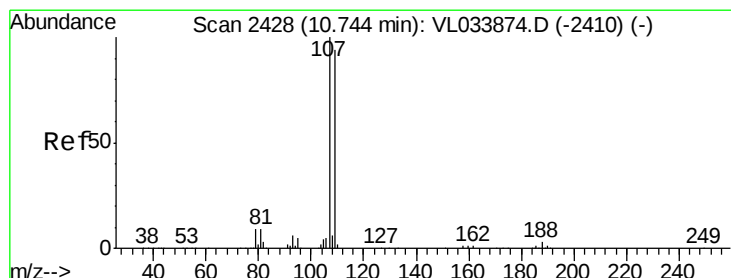
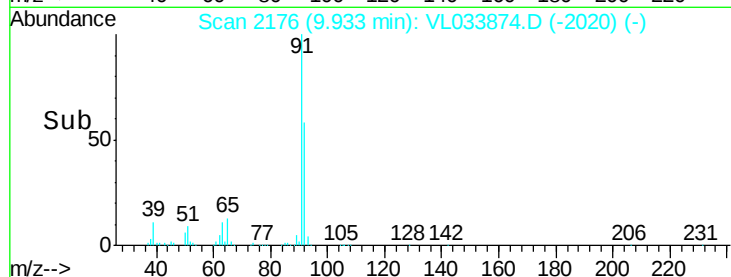
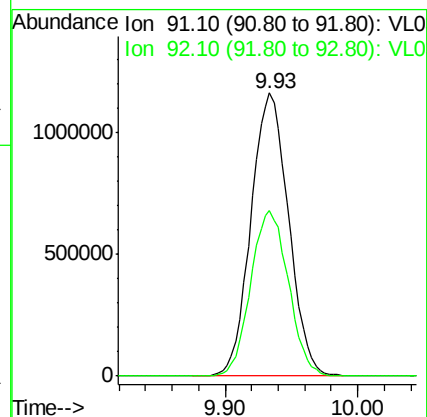
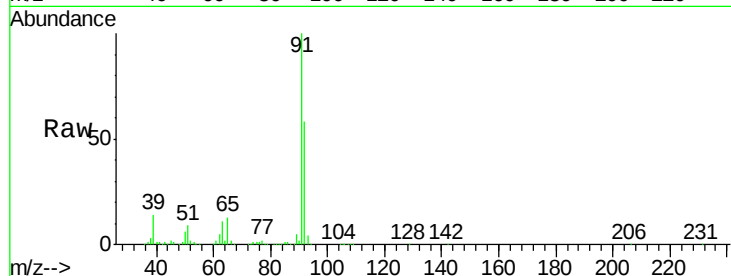
ClientSampleId :

Tot Ion: 91 Resp: 2295479

Ion Ratio Lower Upper

91 100

92 58.9 47.0 70.6



#54

1,2-Dibromoethane

Concen: 10.269 ppbv

RT: 10.74 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL033874.D

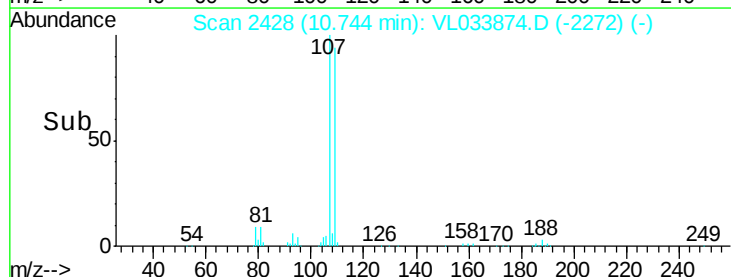
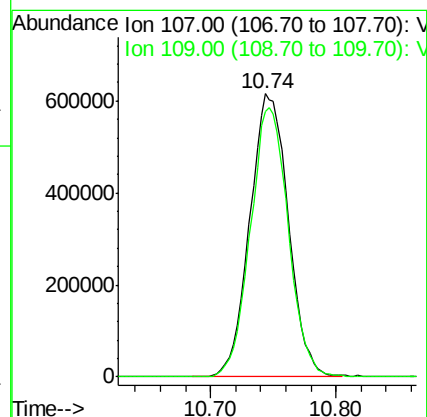
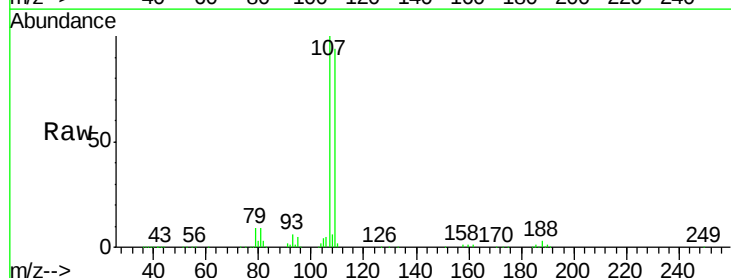
Acq: 7 Jun 2019 2:03

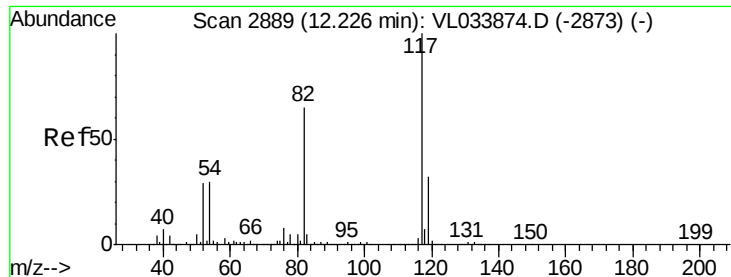
Tgt Ion: 107 Resp: 1314232

Ion Ratio Lower Upper

107 100

109 93.6 74.9 112.3

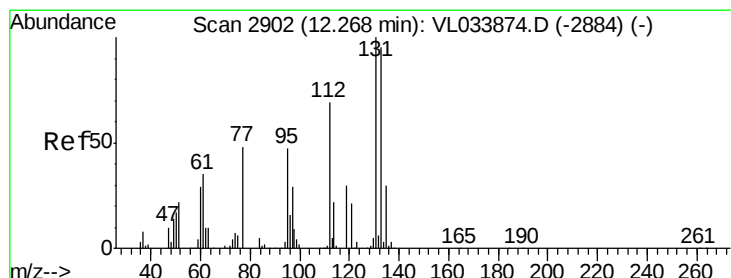
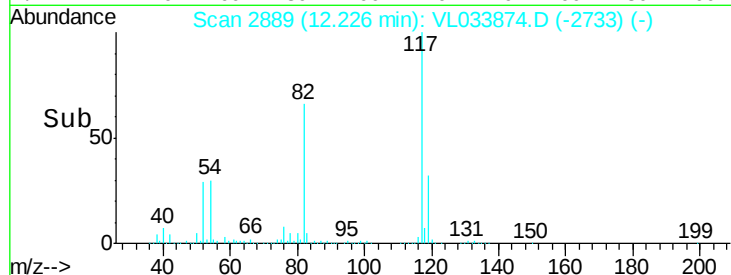
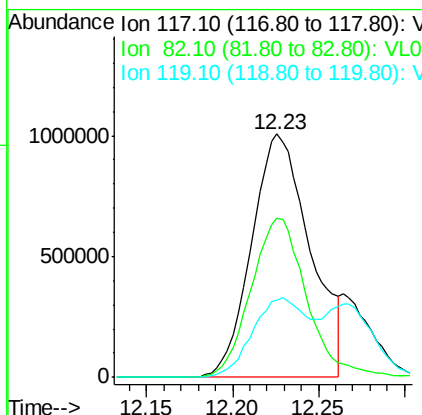
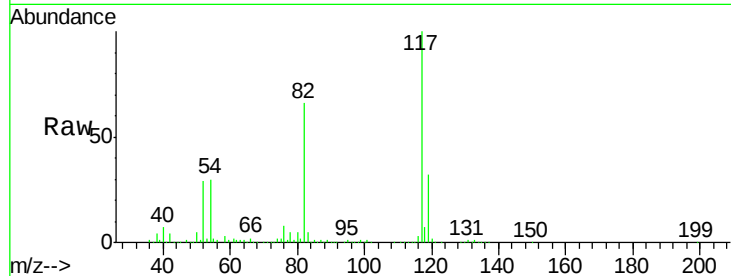




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

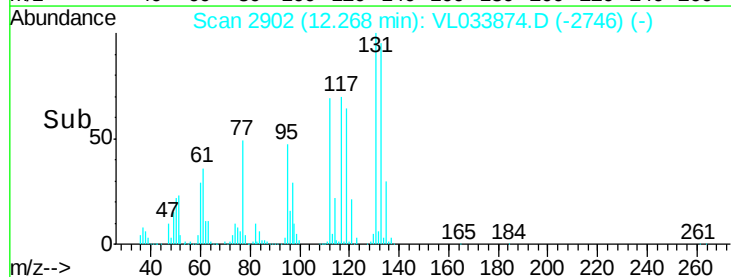
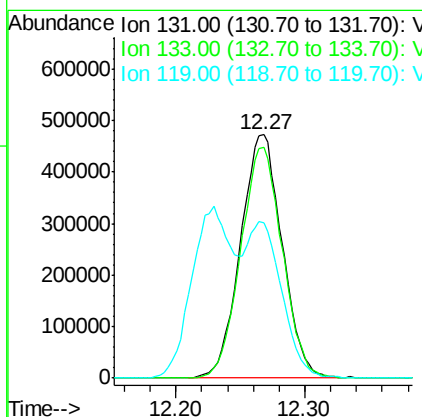
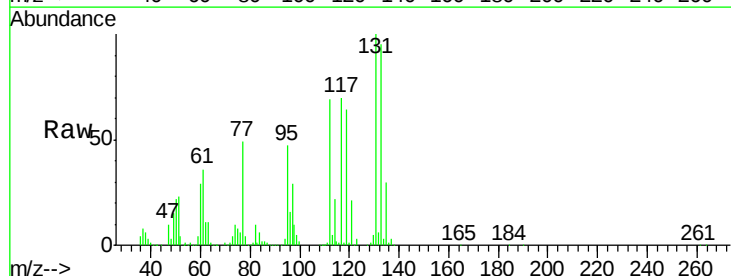
Instrument :
MSVOA_L
ClientSampleId :

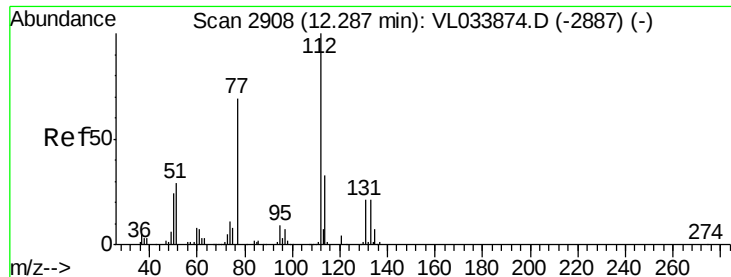
Tot Ion:117 Resp: 2379901
Ion Ratio Lower Upper
117 100
82 62.5 50.2 75.2
119 29.0 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 9.675 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion:131 Resp: 1056806
Ion Ratio Lower Upper
131 100
133 95.6 76.5 114.7
119 57.9 42.6 64.0





#57

Chlorobenzene

Concen: 9.412 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

ClientSampleId :

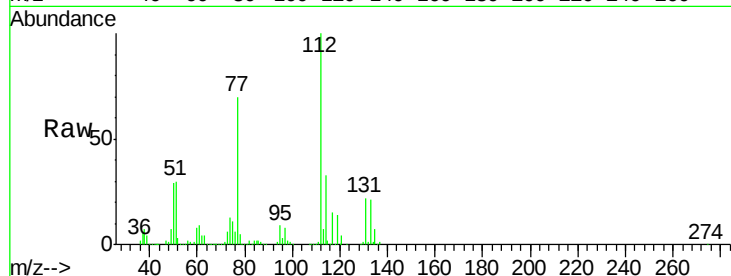
Tot Ion:112 Resp: 1824519

Ion Ratio Lower Upper

112 100

77 69.7 55.8 83.6

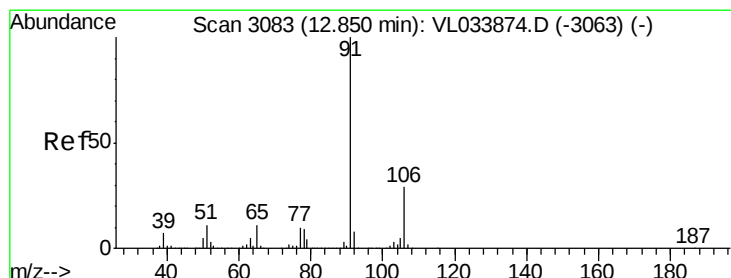
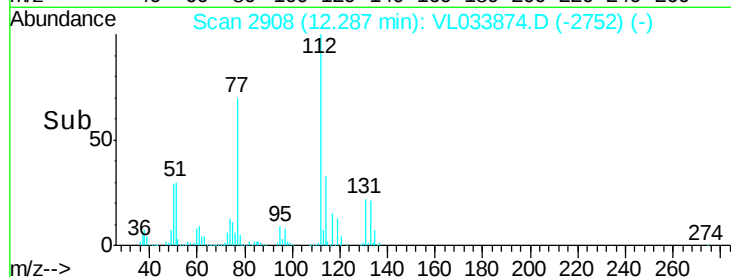
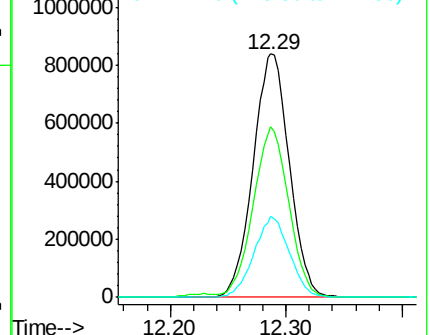
114 33.1 29.8 36.4



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: 10.309 ppbv

RT: 12.85 min Scan# 3083

Delta R.T. 0.00 min

Lab File: VL033874.D

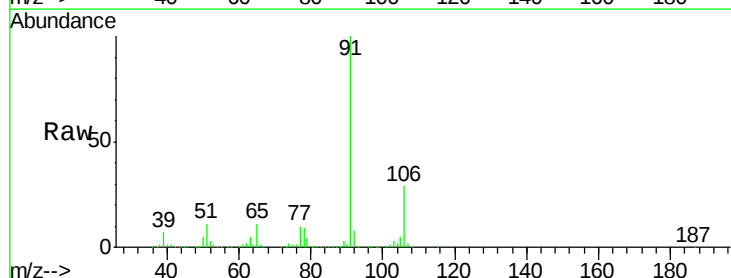
Acq: 7 Jun 2019 2:03

Tgt Ion: 91 Resp: 3192115

Ion Ratio Lower Upper

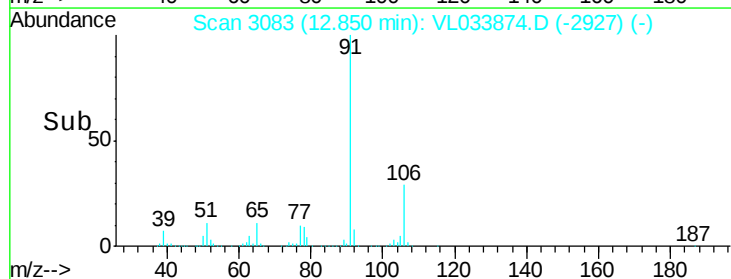
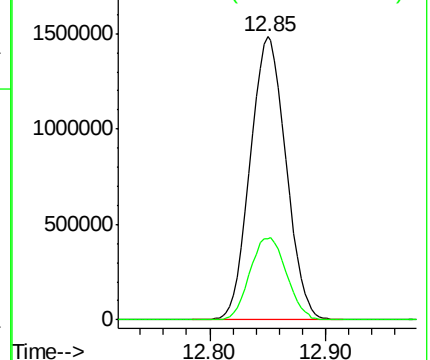
91 100

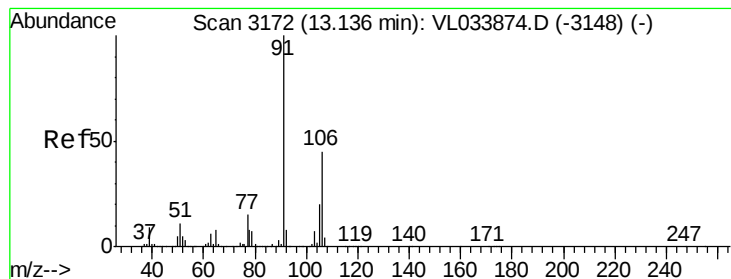
106 28.8 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.012 ppbv

RT: 13.14 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

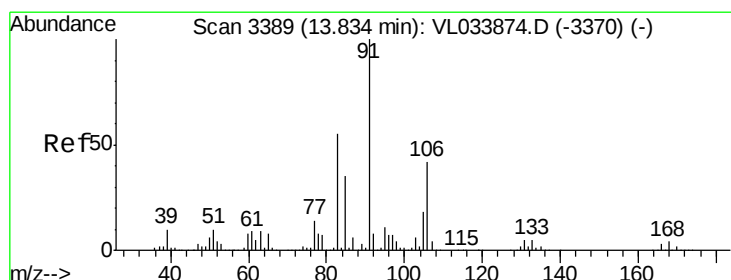
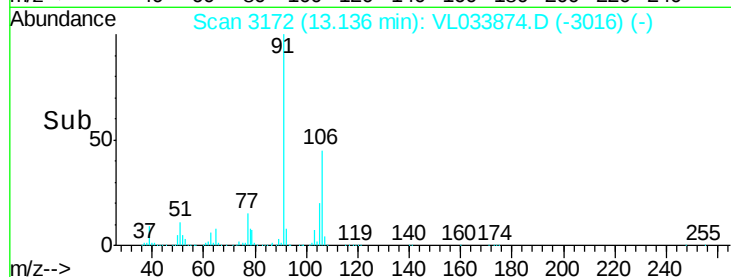
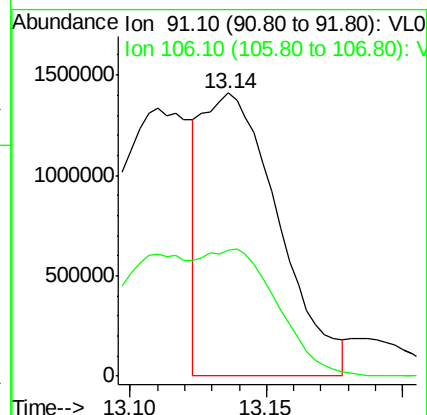
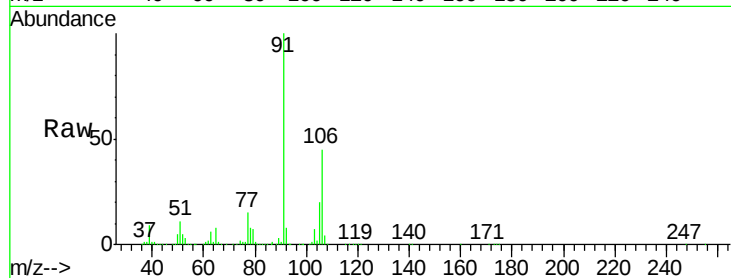
ClientSampleId :

Tot Ion: 91 Resp: 2724501

Ion Ratio Lower Upper

91 100

106 89.8 35.8 53.8#



#60

o-Xylene

Concen: 10.300 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL033874.D

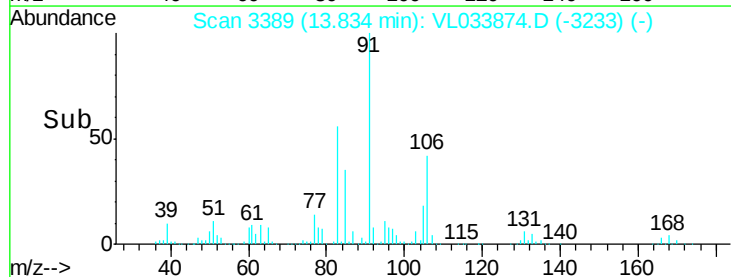
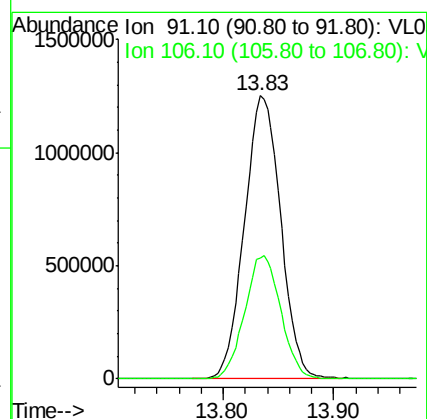
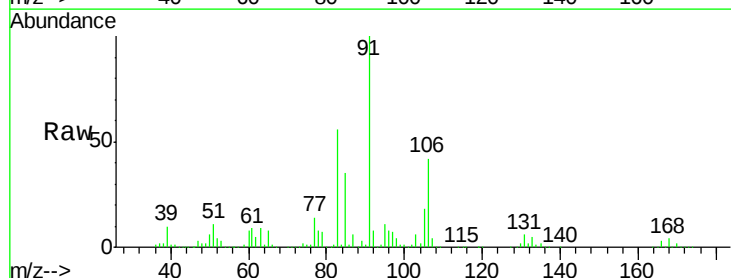
Acq: 7 Jun 2019 2:03

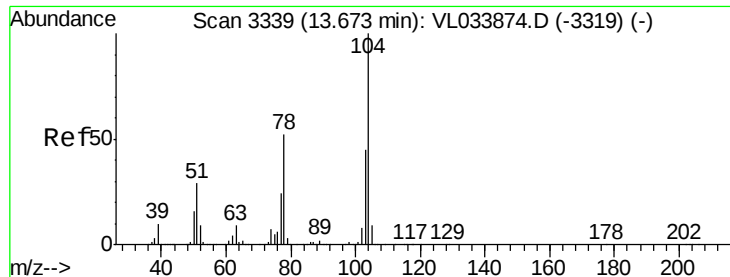
Tgt Ion: 91 Resp: 2851804

Ion Ratio Lower Upper

91 100

106 43.3 21.7 65.1

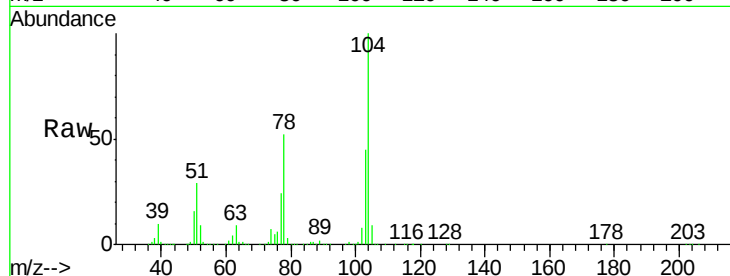




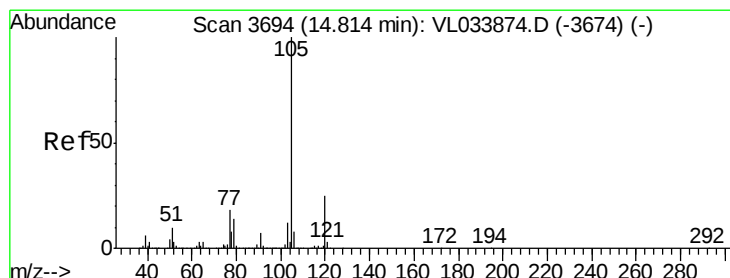
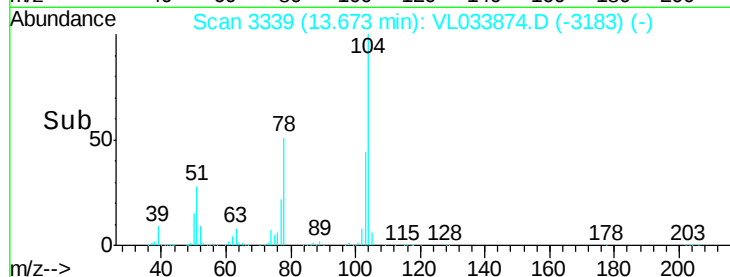
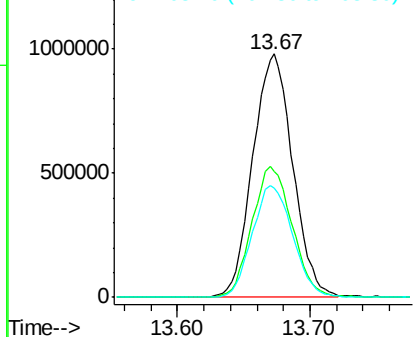
#61
Stvrene
Concen: 11.123 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:104 Resp: 2053125
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.0
103 47.0 37.6 56.4

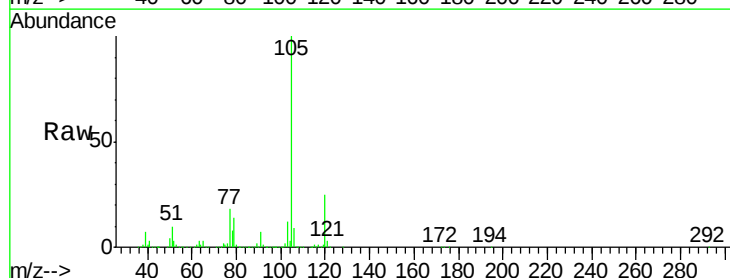


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

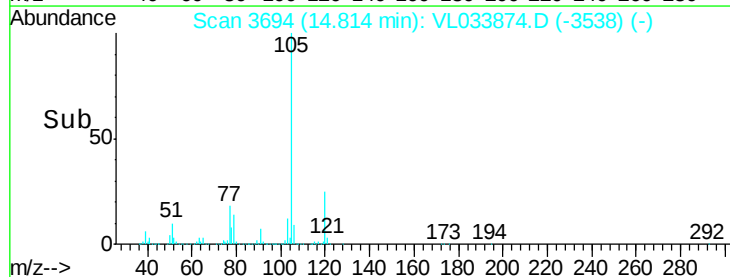
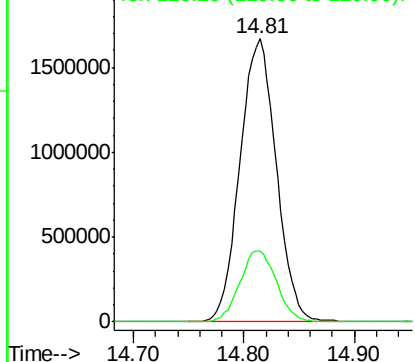


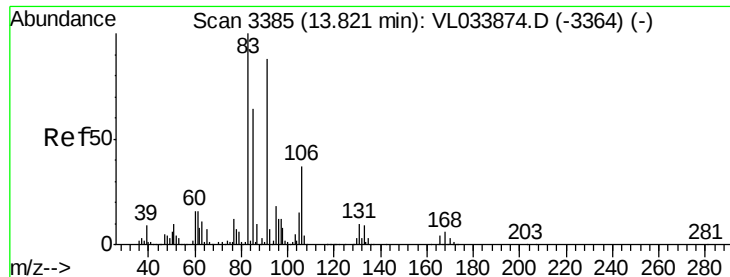
#62
Isopropylbenzene
Concen: 10.229 ppbv
RT: 14.81 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion:105 Resp: 3809209
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: 9.941 ppbv

RT: 13.82 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

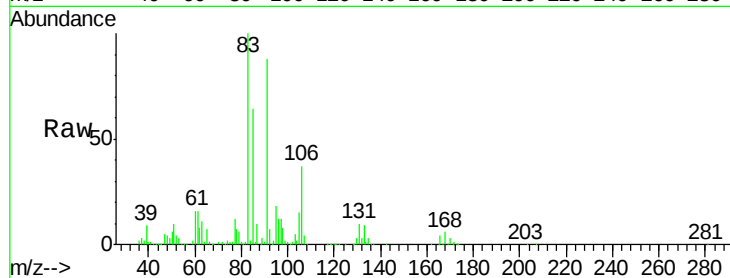
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 83 Resp: 2011599

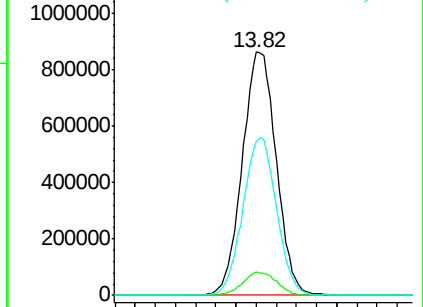
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.2	32.1	96.3



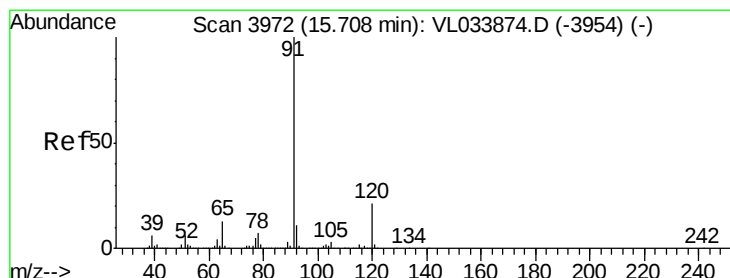
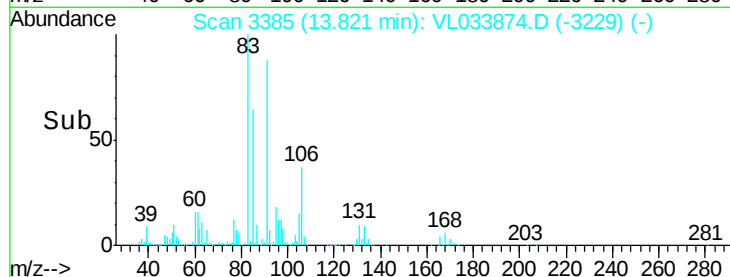
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time--> 13.70 13.80 13.90



#64

n-propylbenzene

Concen: 10.229 ppbv

RT: 15.71 min Scan# 3972

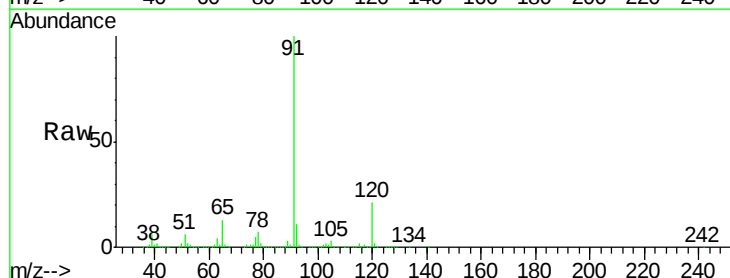
Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

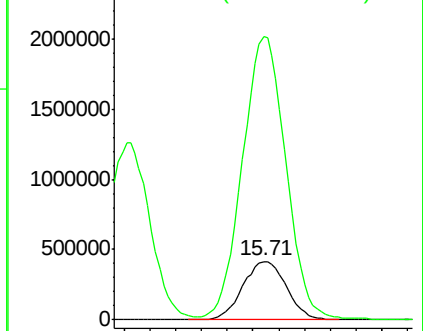
Tgt Ion:120 Resp: 983307

Ion	Ratio	Lower	Upper
120	100		
91	483.8	387.0	580.6

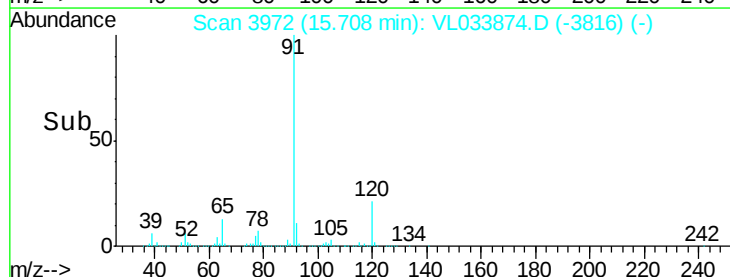


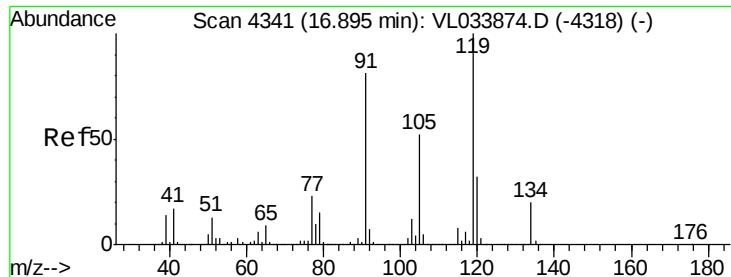
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time--> 15.60 15.70 15.80

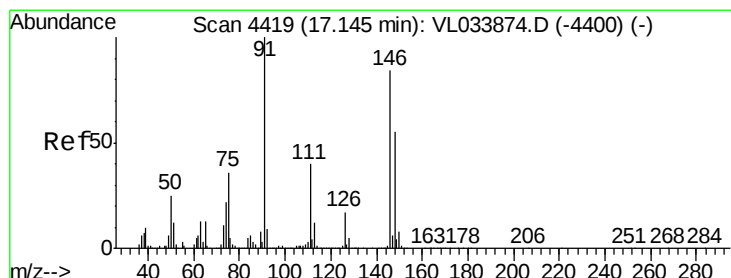
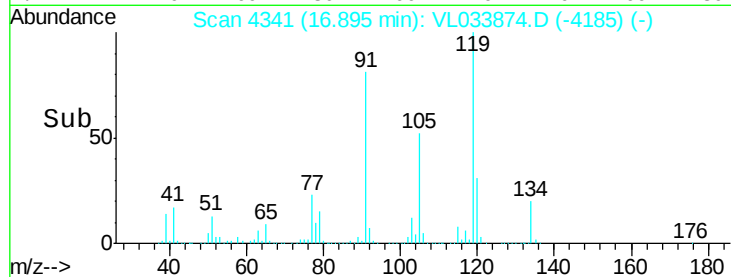
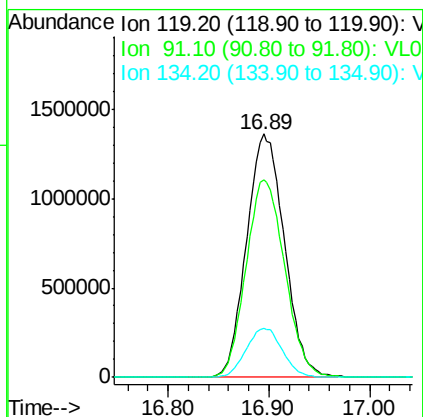
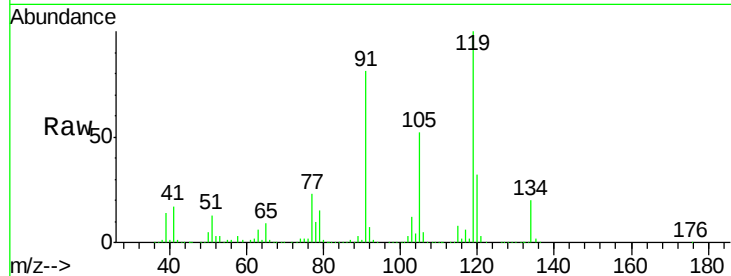




#65
tert-Butylbenzene
Concen: 10.386 ppbv
RT: 16.89 min Scan# 4341
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

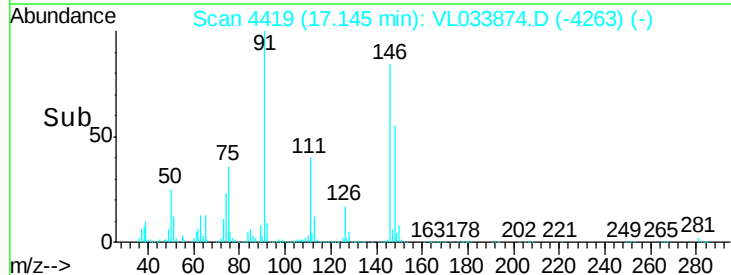
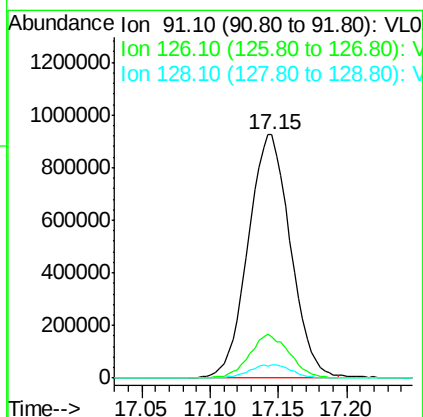
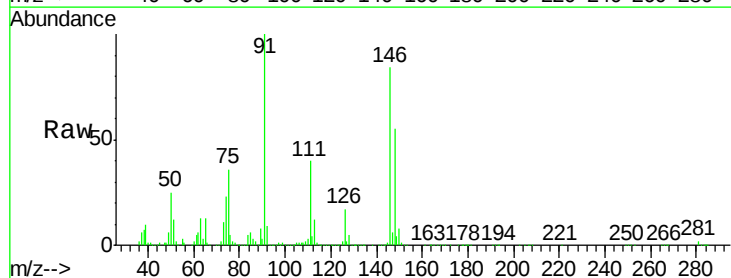
Instrument :
MSVOA_L
ClientSampleId :

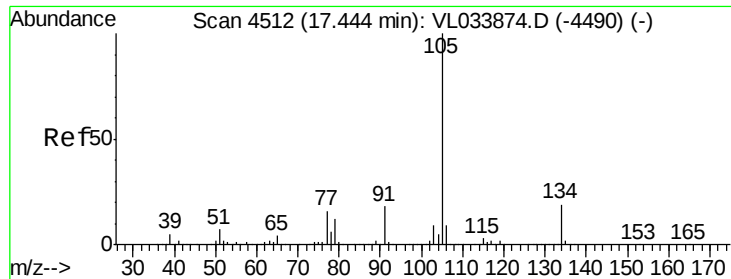
Tot Ion: 119 Resp: 3533224
Ion Ratio Lower Upper
119 100
91 83.3 66.6 100.0
134 19.4 15.5 23.3



#66
Benzyl Chloride
Concen: 12.251 ppbv
RT: 17.15 min Scan# 4419
Delta R.T. 0.00 min
Lab File: VL033874.D
Acq: 7 Jun 2019 2:03

Tgt Ion: 91 Resp: 1988803
Ion Ratio Lower Upper
91 100
126 17.2 13.8 20.6
128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.351 ppbv

RT: 17.44 min Scan# 4512

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

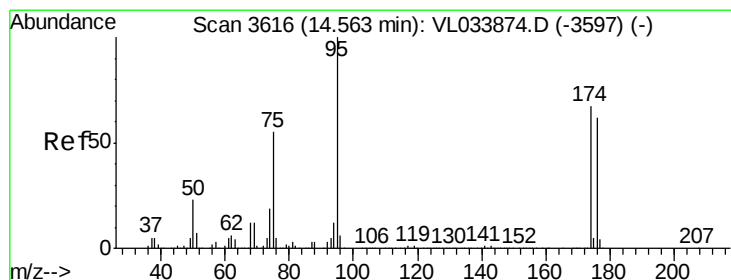
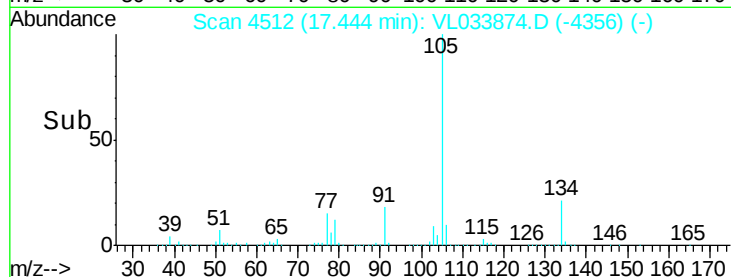
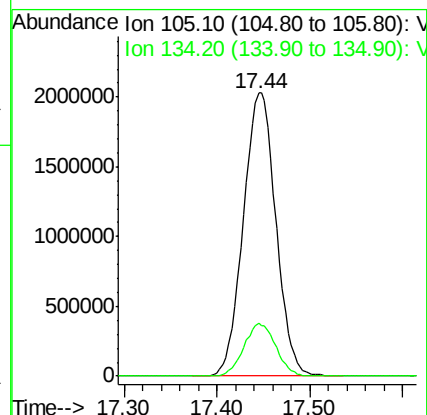
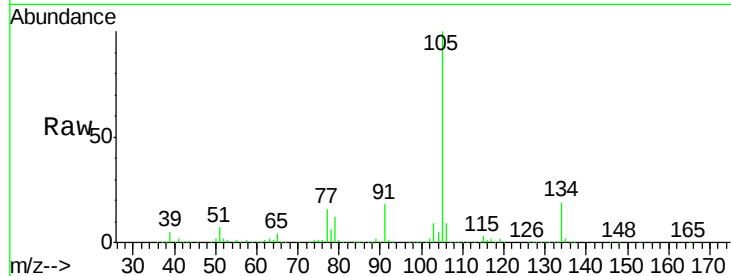
ClientSampleId :

Tot Ion:105 Resp: 4935343

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.867 ppbv

RT: 14.56 min Scan# 3616

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

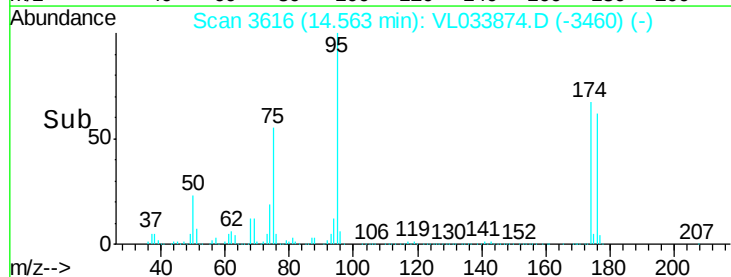
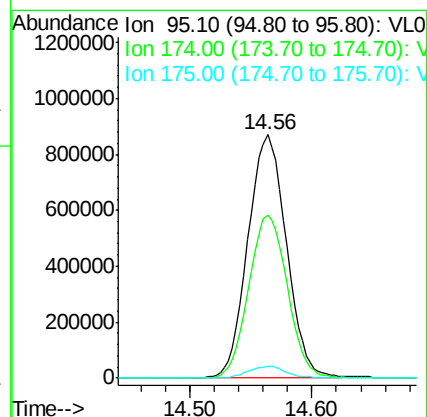
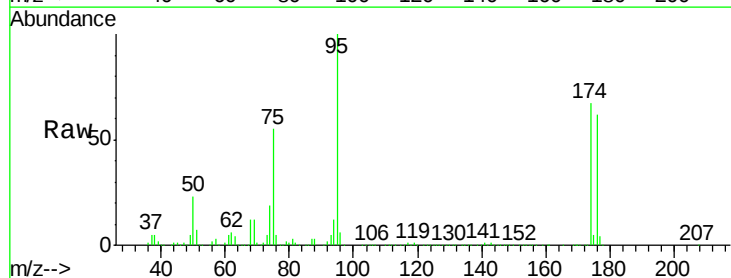
Tgt Ion: 95 Resp: 1899859

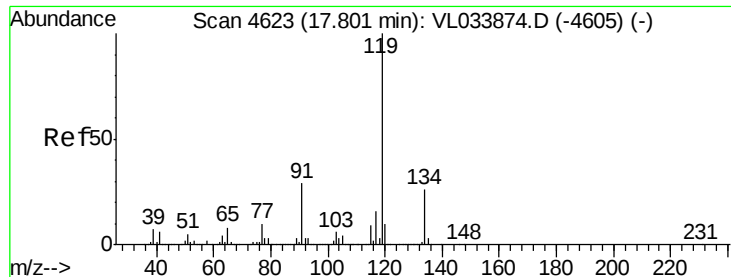
Ion Ratio Lower Upper

95 100

174 67.7 54.0 81.0

175 4.8 3.8 5.8

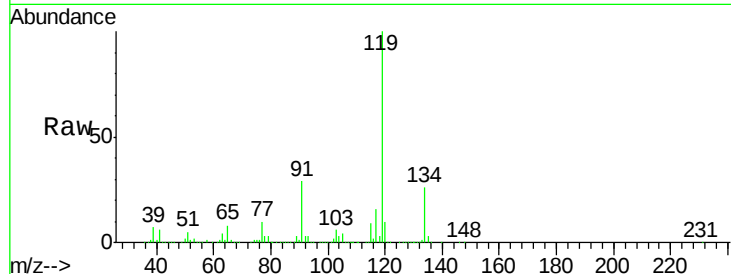




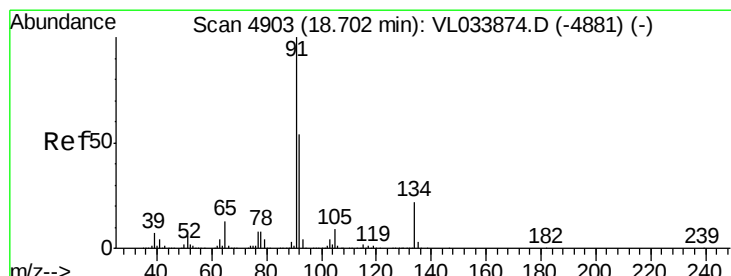
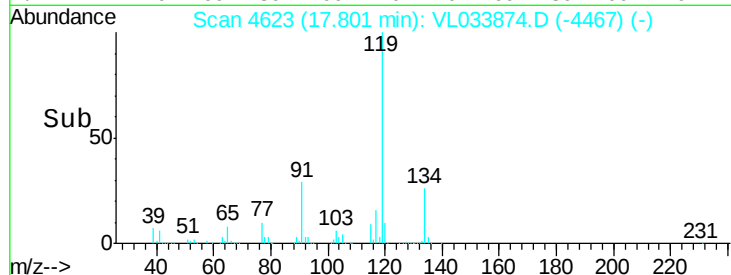
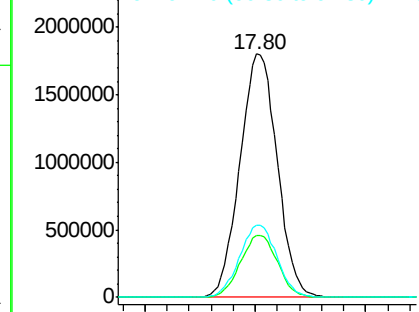
#69
 p-Isopropyltoluene
 Concen: 10.674 ppbv
 RT: 17.80 min Scan# 4623
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion:119 Resp: 4209485
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 29.9 23.8 35.6

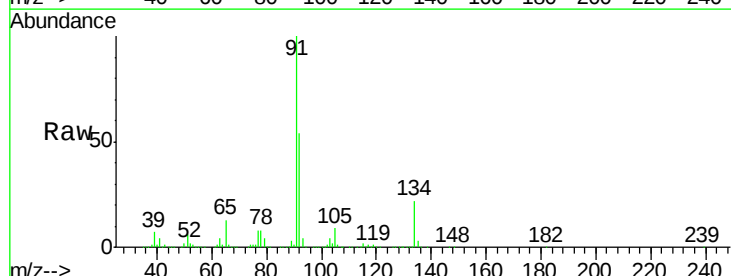


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

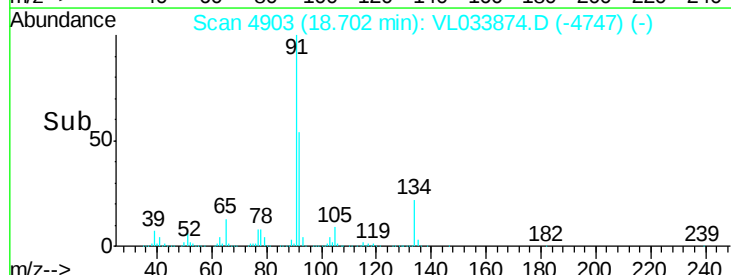
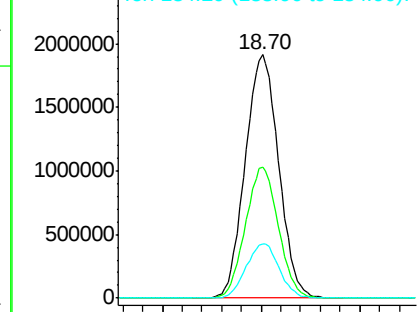


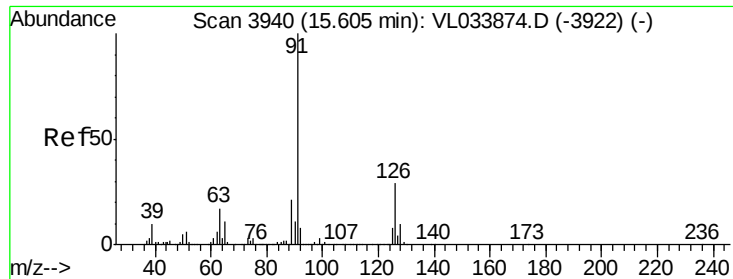
#70
 n-Butylbenzene
 Concen: 10.523 ppbv
 RT: 18.70 min Scan# 4903
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

Tgt Ion: 91 Resp: 4460430
 Ion Ratio Lower Upper
 91 100
 92 53.1 42.5 63.7
 134 22.2 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

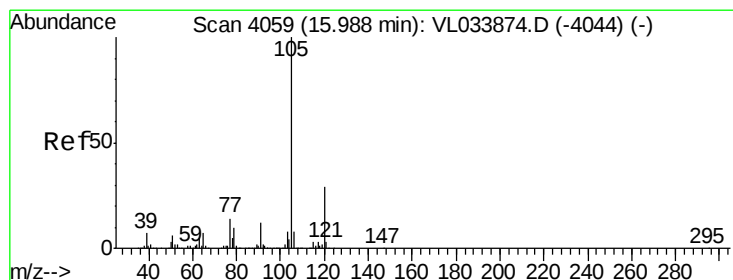
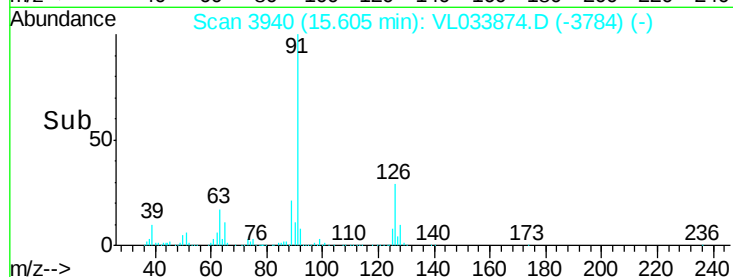
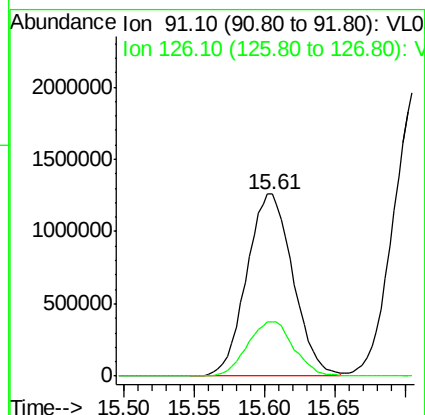
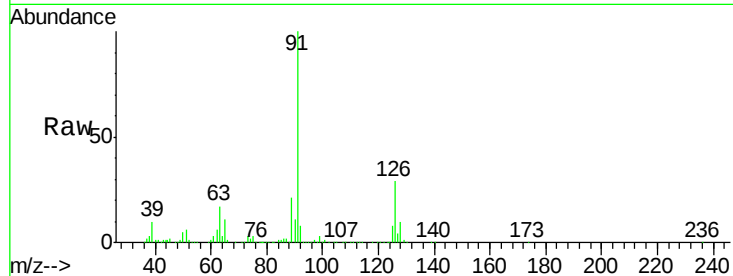




#71
 2-Chlorotoluene
 Concen: 10.461 ppbv
 RT: 15.61 min Scan# 3940
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

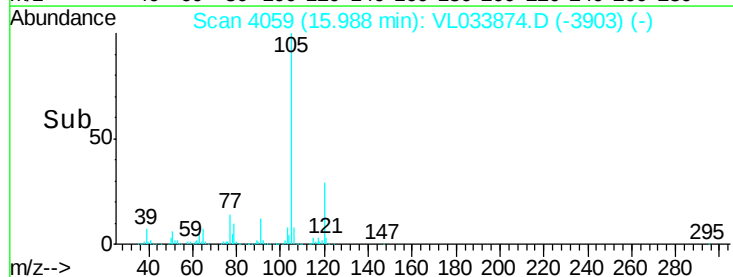
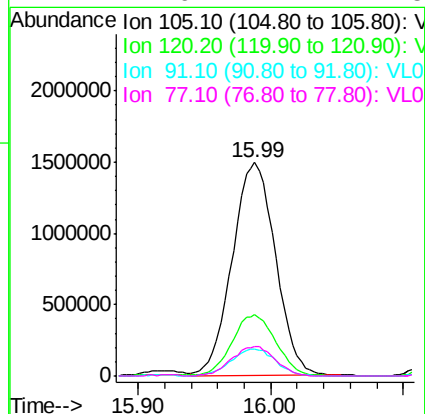
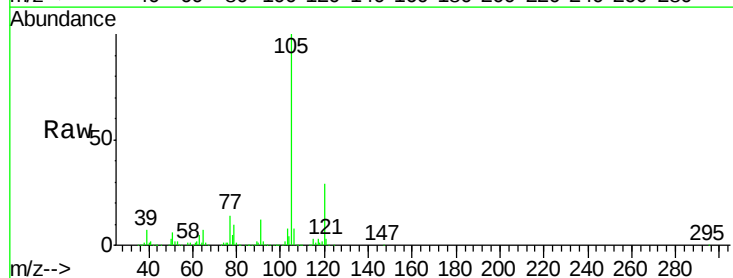
Instrument :
 MSVOA_L
 ClientSampleId :

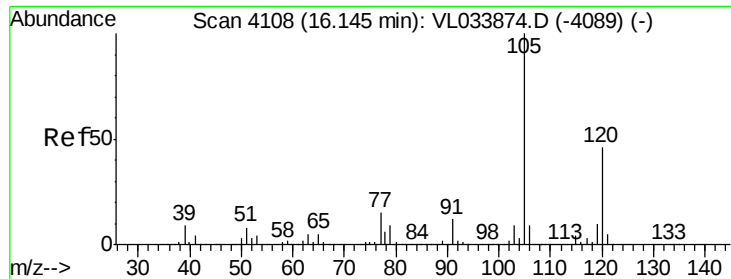
Tot Ion: 91 Resp: 2887146
 Ion Ratio Lower Upper
 91 100
 126 30.1 12.0 48.2



#72
 4-Ethyltoluene
 Concen: 10.699 ppbv
 RT: 15.99 min Scan# 4059
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

Tgt Ion:105 Resp: 3382723
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.5 35.3
 91 13.0 10.4 15.6
 77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.434 ppbv

RT: 16.15 min Scan# 4108

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

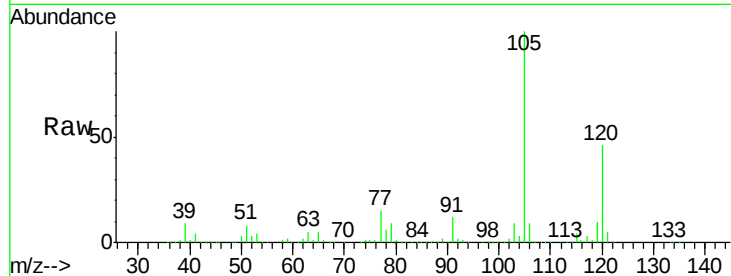
ClientSampleId :

Tot Ion:105 Resp: 3226370

Ion Ratio Lower Upper

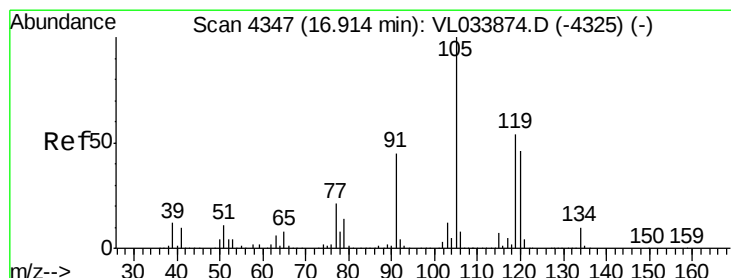
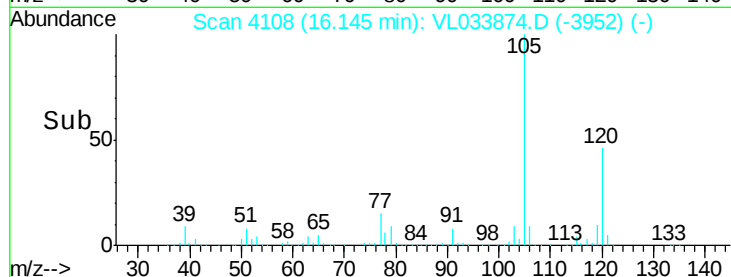
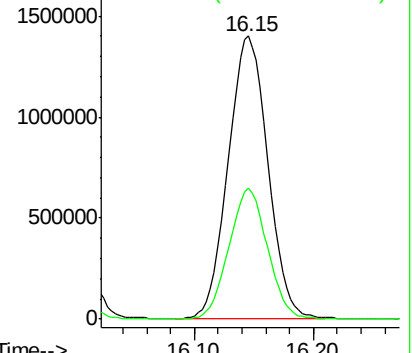
105 100

120 46.4 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: 10.310 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Tgt Ion:105 Resp: 3478067

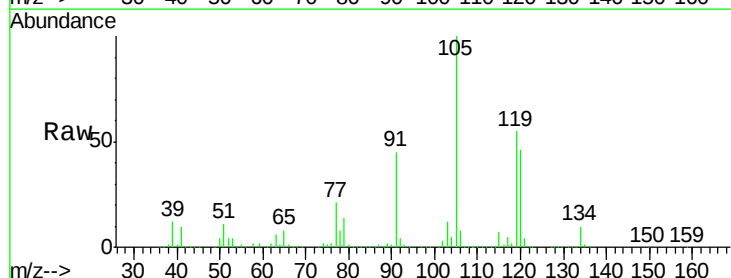
Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1

91 44.8 35.8 53.8

77 21.1 16.9 25.3

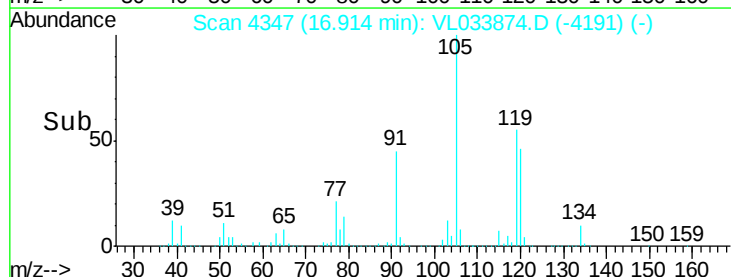
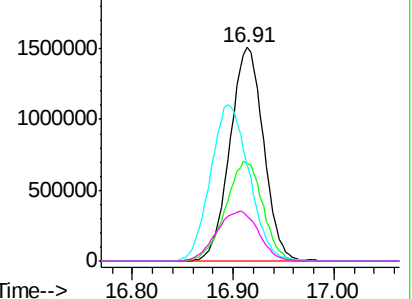


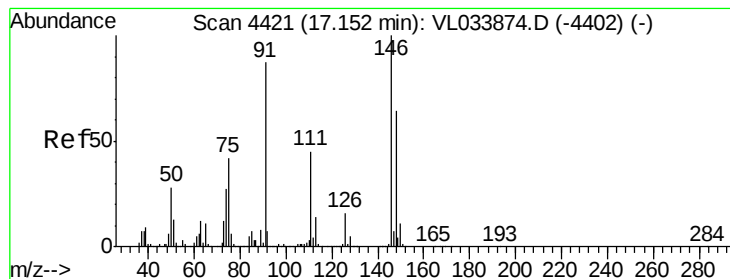
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.882 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

ClientSampleId :

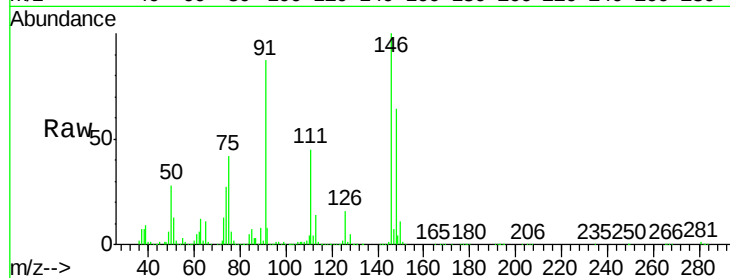
Tot Ion:146 Resp: 2046326

Ion Ratio Lower Upper

146 100

111 45.5 22.8 68.3

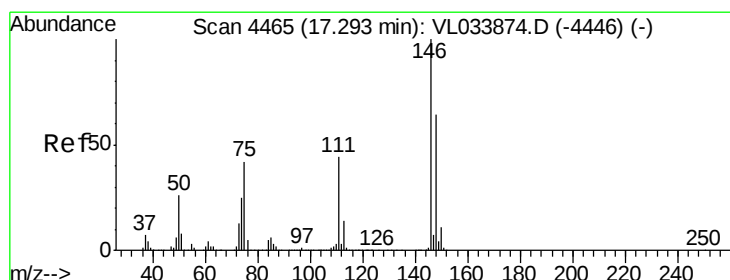
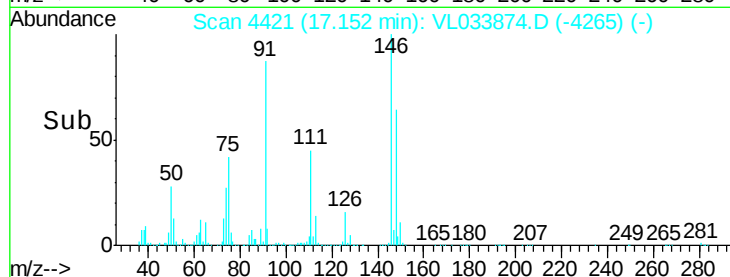
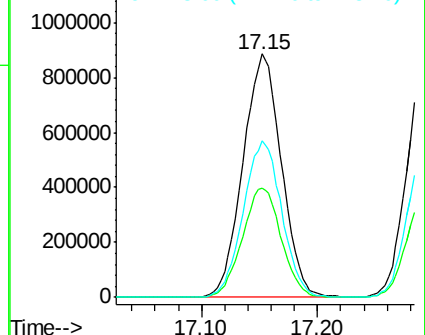
148 64.4 32.2 96.6



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



#76

1,4-Dichlorobenzene

Concen: 10.275 ppbv

RT: 17.29 min Scan# 4465

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

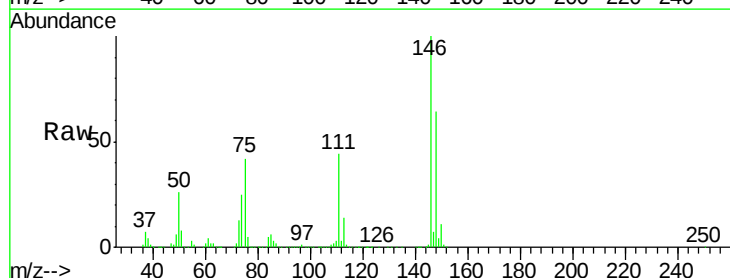
Tgt Ion:146 Resp: 2018147

Ion Ratio Lower Upper

146 100

111 44.1 22.1 66.5

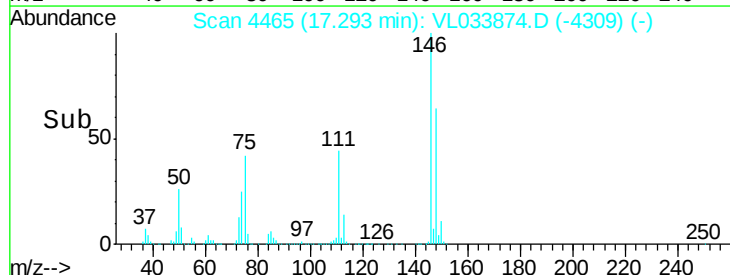
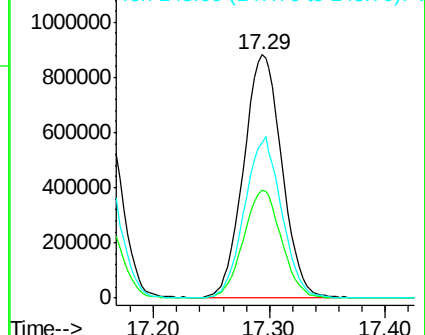
148 64.4 32.4 97.0

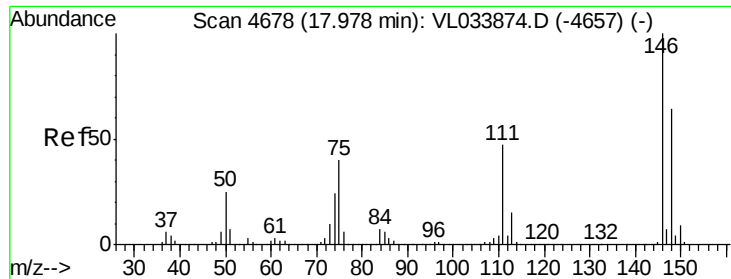


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

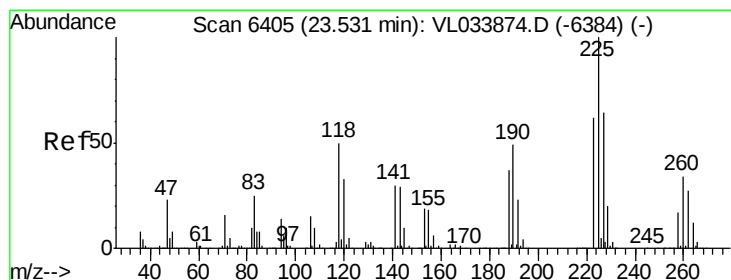
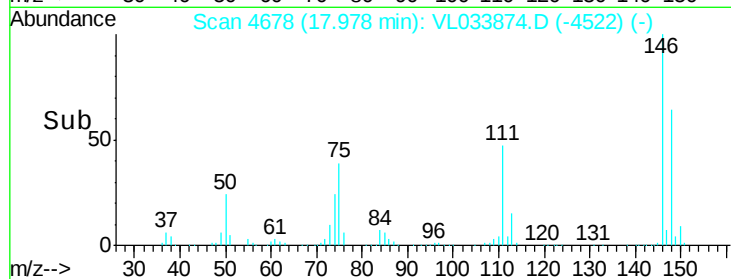
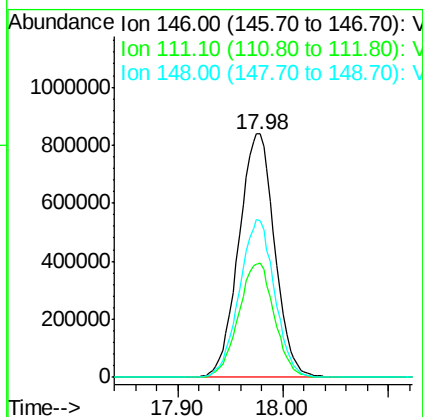
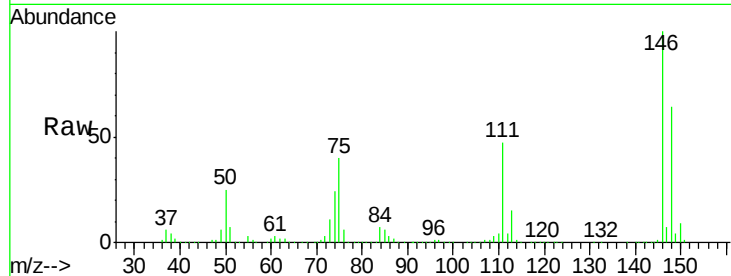




#77
 1,2-Dichlorobenzene
 Concen: 10.186 ppbv
 RT: 17.98 min Scan# 4678
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

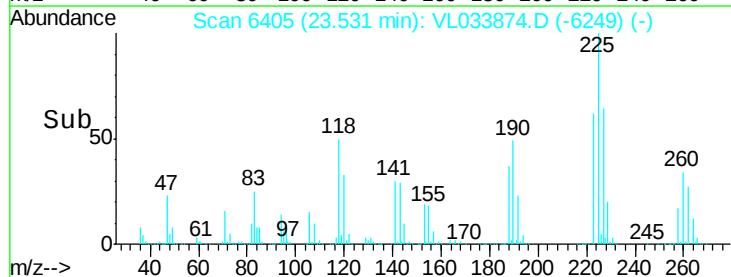
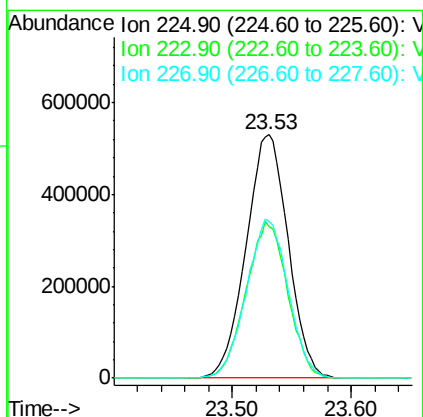
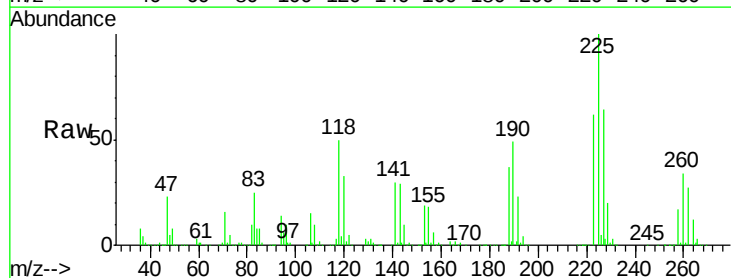
Instrument :
 MSVOA_L
 ClientSampled :

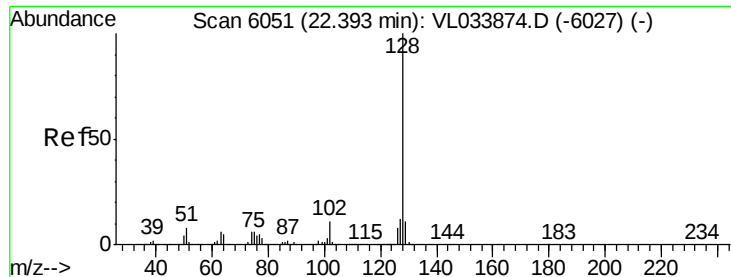
Tot Ion:146 Resp: 1983454
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.4 70.0
 148 63.5 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.894 ppbv
 RT: 23.53 min Scan# 6405
 Delta R.T. 0.00 min
 Lab File: VL033874.D
 Acq: 7 Jun 2019 2:03

Tgt Ion:225 Resp: 1297769
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.8 76.2
 227 64.7 51.8 77.6





#79

Naphthalene

Concen: 10.083 ppbv

RT: 22.39 min Scan# 6051

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

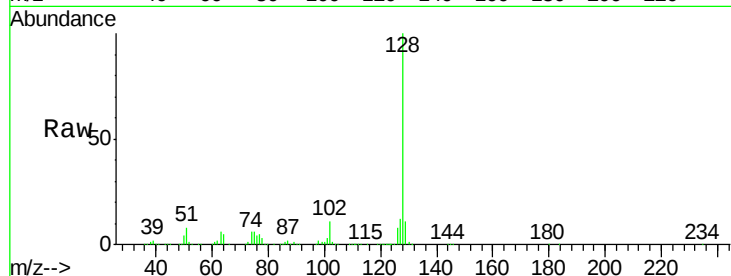
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 3051718

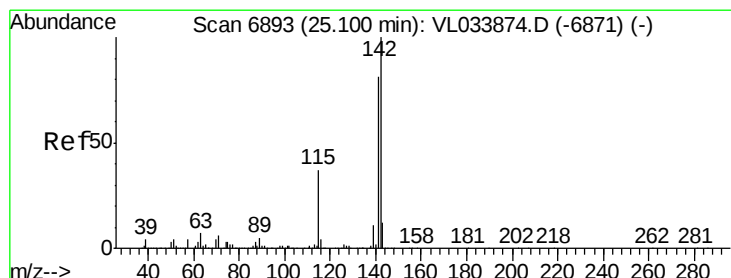
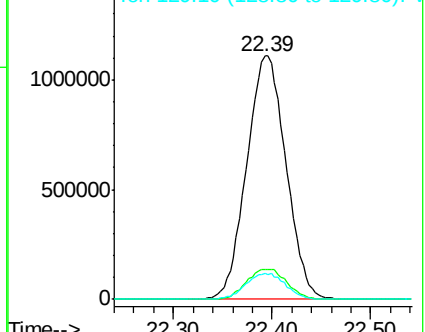
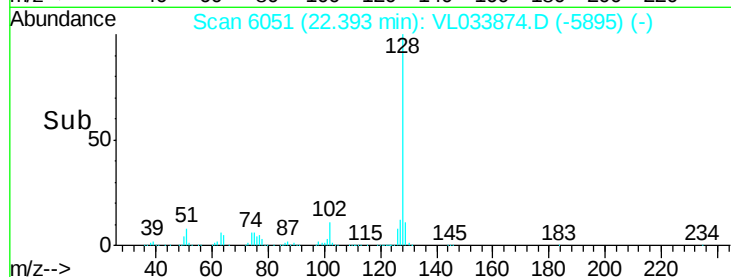
Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.7	14.5
129	10.7	8.6	12.8



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: 10.006 ppbv

RT: 25.10 min Scan# 6893

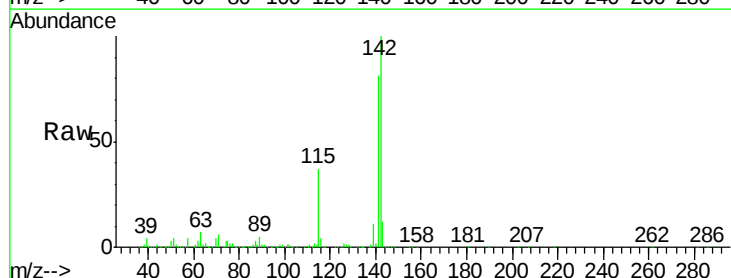
Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Tgt Ion:142 Resp: 1090108

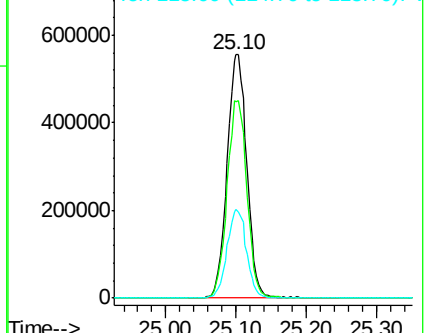
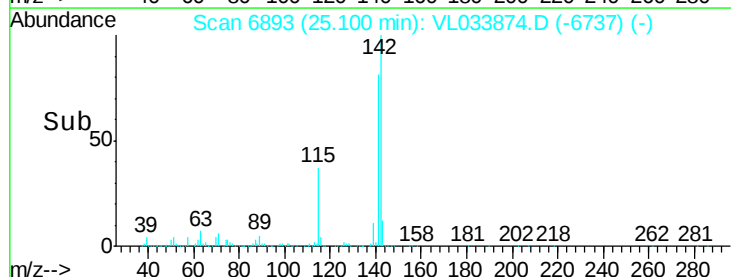
Ion	Ratio	Lower	Upper
142	100		
141	81.8	65.7	98.5
115	36.0	28.9	43.3

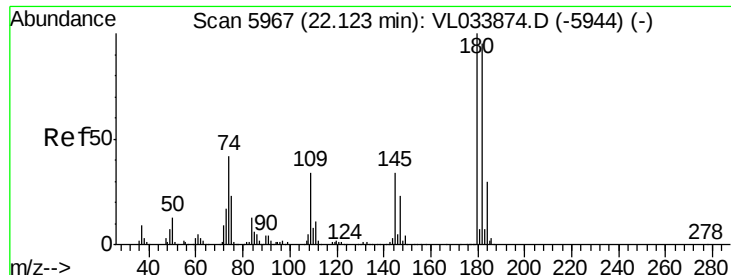


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.010 ppbv

RT: 22.12 min Scan# 5967

Delta R.T. 0.00 min

Lab File: VL033874.D

Acq: 7 Jun 2019 2:03

Instrument :

MSVOA_L

ClientSampleId :

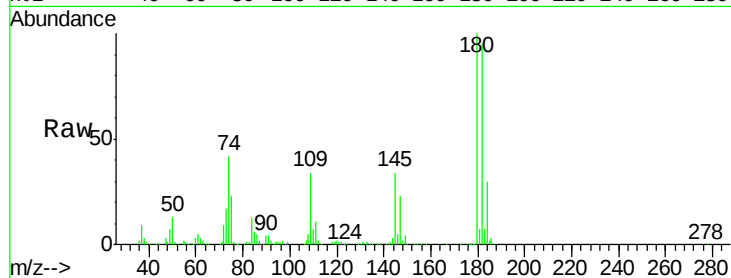
Tot Ion:180 Resp: 1809969

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

184 30.7 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

