

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033880.D
 Acq On : 7 Jun 2019 5:54
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 06:36:17 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	900785	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2172918	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2515890	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1896197	9.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1660377	9.127	ppbv 99
3) Chlorodifluoromethane	3.01	51	1430359	13.791	ppbv 99
4) Chloromethane	3.17	50	813195	13.711	ppbv 98
5) Vinyl Chloride	3.28	62	827605	13.695	ppbv 100
6) Bromomethane	3.51	94	538051	14.580	ppbv 94
7) Chloroethane	3.60	64	310195	14.374	ppbv 95
8) Dichlorotetrafluoroethane	3.21	85	2135180	13.758	ppbv 99
9) Propene	3.03	41	592856	13.705	ppbv 98
10) Heptane	8.24	43	1763589	14.413	ppbv 99
11) Trichlorofluoromethane	4.00	101	2664453	14.612	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1791542	14.110	ppbv 99
13) Ethanol	3.64	45	100897	7.247	ppbv 99
14) Bromoethene	3.78	108	719997	15.171	ppbv 99
15) Acetone	3.89	43	1649425	13.220	ppbv 100
16) 1,3-Butadiene	3.35	39	753457	14.955	ppbv 100
17) tert-Butyl alcohol	4.35	59	1195310	11.518	ppbv 100
18) 1,1-Dichloroethene	4.34	96	793689	14.802	ppbv 99
19) Isopropyl Alcohol	4.01	45	873268	10.770	ppbv 99
20) Methylene Chloride	4.40	84	673136	13.887	ppbv 98
21) Allyl Chloride	4.47	41	1151191	14.846	ppbv 100
22) trans-1,2-Dichloroethene	4.96	96	820654	14.674	ppbv 98
23) Vinyl Acetate	5.15	43	2425639	14.798	ppbv 99
24) 1,1-Dichloroethane	5.08	63	1725645	13.730	ppbv 99
25) Ethyl Acetate	5.76	43	2996632	13.761	ppbv 100
26) Hexane	5.77	57	1308083	14.006	ppbv 100
27) Carbon Disulfide	4.61	76	2033405	15.676	ppbv 99
28) Methyl tert-Butyl Ether	5.10	73	2232454	14.425	ppbv 99
29) Chloroform	5.84	83	2291553	13.235	ppbv 98
30) Cyclohexane	7.24	84	1146153	14.692	ppbv 99
31) cis-1,2-Dichloroethene	5.63	61	1344371	14.362	ppbv 98
32) 1,1,1-Trichloroethane	6.61	97	2479477	14.313	ppbv 100
34) 2-Butanone	5.32	43	1932249	14.384	ppbv 100
35) Carbon Tetrachloride	7.13	117	2694175	15.451	ppbv 96
36) Benzene	7.00	78	2766715	14.251	ppbv 98
37) 1,2-Dichloroethane	6.41	62	1868272	14.585	ppbv 99
38) Trichloroethene	7.95	130	1204763	16.368	ppbv 99
39) 1,2-Dichloropropane	7.73	63	1047900	14.401	ppbv 94
40) 1,4-Dioxane	7.94	88	367116	11.960	ppbv # 50
41) Tetrahydrofuran	6.14	42	1076239	14.575	ppbv 100
42) Bromodichloromethane	7.91	83	2655329	15.215	ppbv 98
43) Methyl Methacrylate	8.13	69	1159866	16.097	ppbv 98

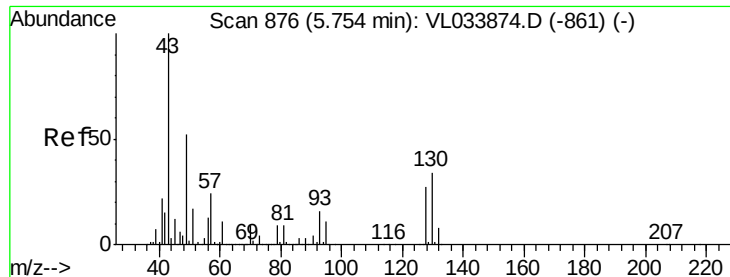
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033880.D
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Instrument :
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Quant Time: Jun 07 06:36:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : 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	4767126	14.417	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1639924	17.973	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	1812717	17.035	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	1226359	14.713	ppbv	97
48) Dibromochloromethane	10.44	129	2376797	16.382	ppbv	99
49) Bromoform	13.19	173	2210869	17.774	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	3140559	15.346	ppbv	100
51) 2-Hexanone	10.26	43	2623939	16.422	ppbv #	99
52) Tetrachloroethene	11.36	164	1148397	16.610	ppbv	97
53) Toluene	9.94	91	3423445	16.216	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1974803	15.553	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1573875	13.631	ppbv #	73
57) Chlorobenzene	12.29	112	2725360	13.299	ppbv	97
58) Ethyl Benzene	12.86	91	4805869	14.681	ppbv	95
59) m/p-Xylene	13.14	91	3952802	13.741	ppbv #	25
60) o-Xylene	13.84	91	4167959	14.241	ppbv	100
61) Styrene	13.68	104	3132958	16.055	ppbv	100
62) Isopropylbenzene	14.82	105	5549656	14.098	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2965523	13.863	ppbv	99
64) n-propylbenzene	15.71	120	1464990	14.416	ppbv	96
65) tert-Butylbenzene	16.90	119	5275884	14.670	ppbv	99
66) Benzyl Chloride	17.15	91	3104537	18.091	ppbv	100
67) sec-Butylbenzene	17.45	105	7317921	14.519	ppbv	100
69) p-Isopropyltoluene	17.81	119	6281166	15.066	ppbv	100
70) n-Butylbenzene	18.70	91	6620386	14.774	ppbv	99
71) 2-Chlorotoluene	15.61	91	4307469	14.764	ppbv	100
72) 4-Ethyltoluene	15.99	105	5049399	15.107	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	4818743	14.742	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	5142118	14.419	ppbv	97
75) 1,3-Dichlorobenzene	17.16	146	3068900	14.019	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	3050687	14.692	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	2988754	14.519	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	1920530	12.450	ppbv	99
79) Naphthalene	22.40	128	4689983	14.659	ppbv	98
80) Naphthalene, 2-methyl-	25.10	142	2063389	17.916	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.13	180	2733311	14.299	ppbv	100

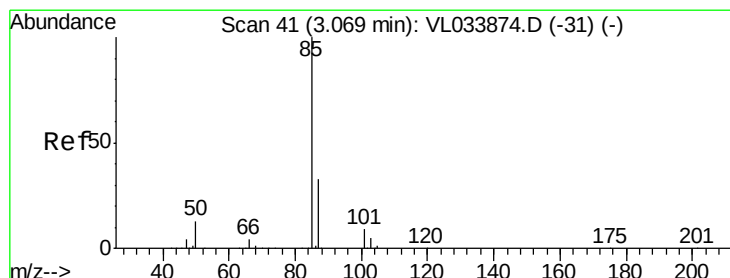
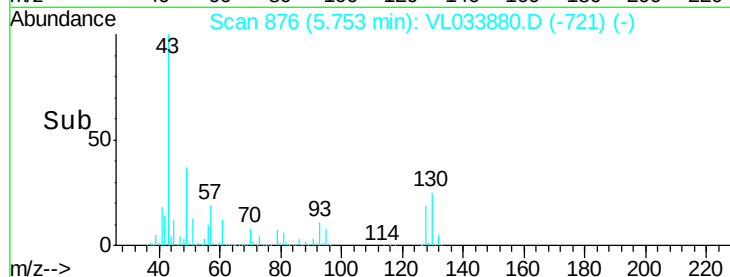
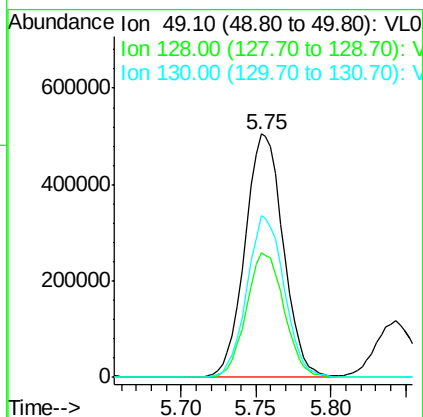
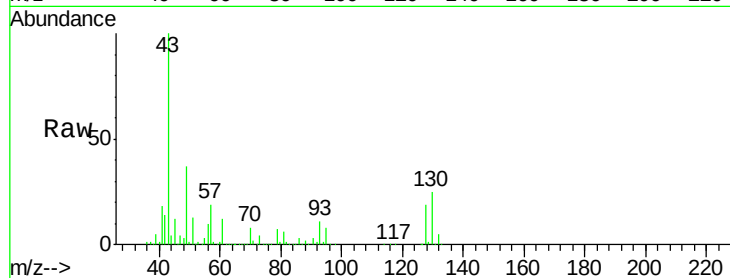
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

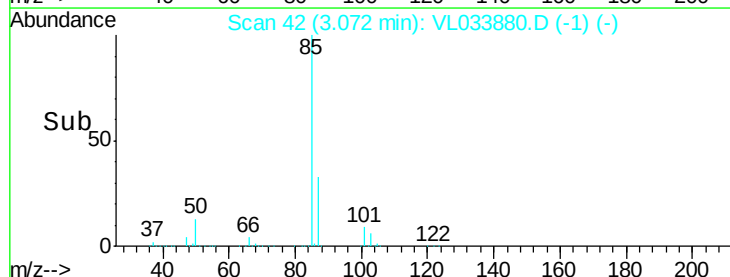
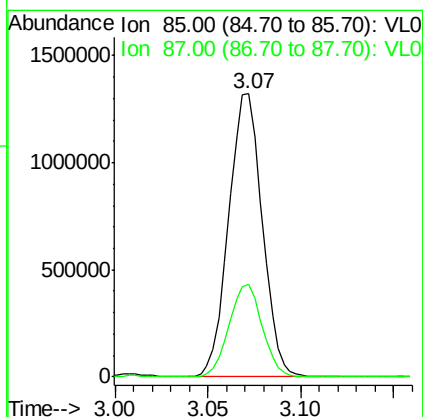
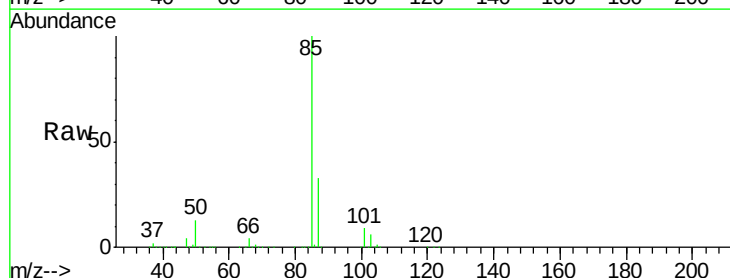
Instrument :
 MSVOA_L
 ClientSampleId :

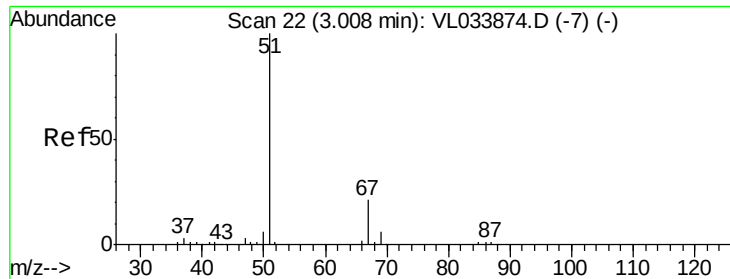
Tot Ion: 49 Resp: 900785
 Ion Ratio Lower Upper
 49 100
 128 50.4 25.5 76.5
 130 65.1 32.5 97.4



#2
 Dichlorodifluoromethane
 Concen: 9.127 ppbv
 RT: 3.07 min Scan# 42
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 85 Resp: 1660377
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.6 40.0



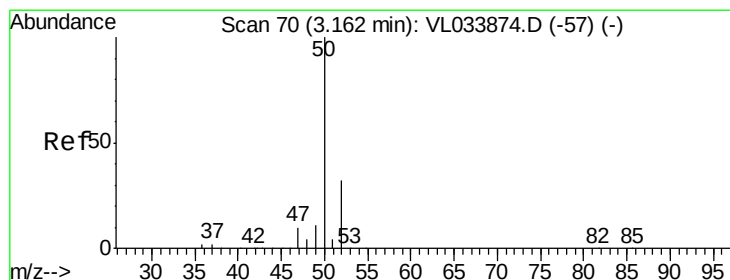
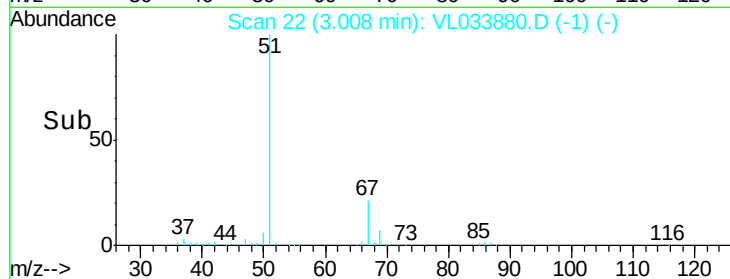
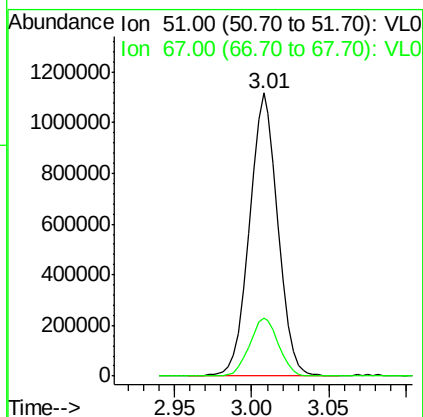
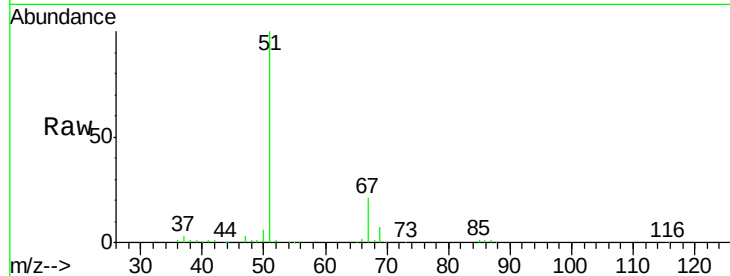


#3

Chlorodifluoromethane
 Concen: 13.791 ppbv
 RT: 3.01 min Scan# 22
 Delta R.T. -0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Instrument :
 MSVOA_L
 ClientSampleId :

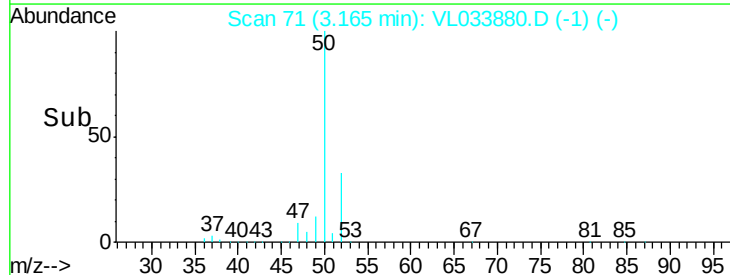
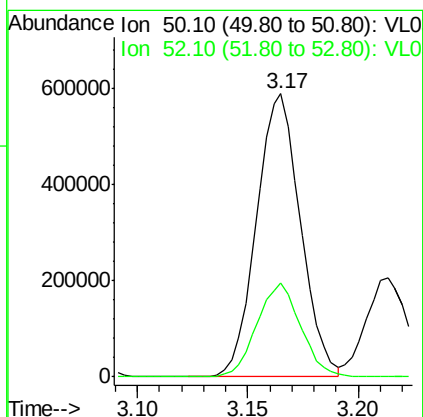
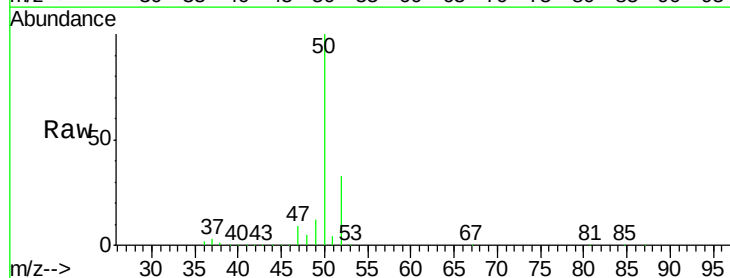
Tot Ion: 51 Resp: 1430359
 Ion Ratio Lower Upper
 51 100
 67 21.0 16.4 24.6

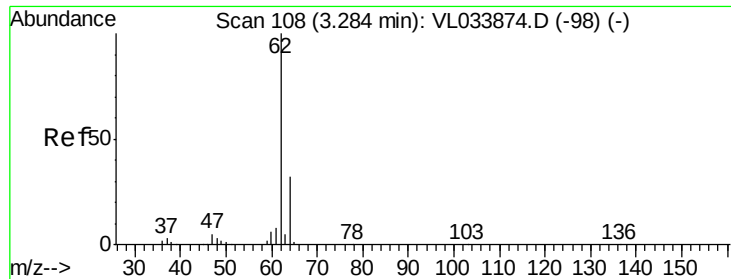


#4

Chloromethane
 Concen: 13.711 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 50 Resp: 813195
 Ion Ratio Lower Upper
 50 100
 52 33.1 25.4 38.0





#5

Vinyl Chloride

Concen: 13.695 ppbv

RT: 3.28 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

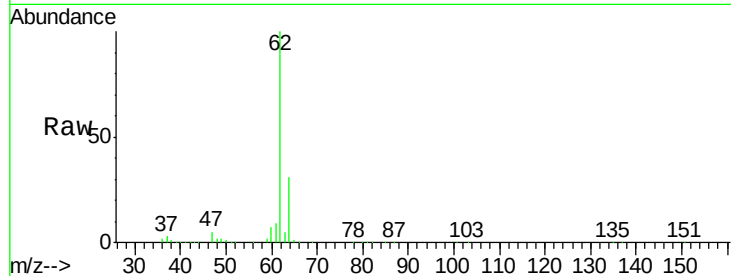
ClientSampleId :

Tot Ion: 62 Resp: 827605

Ion Ratio Lower Upper

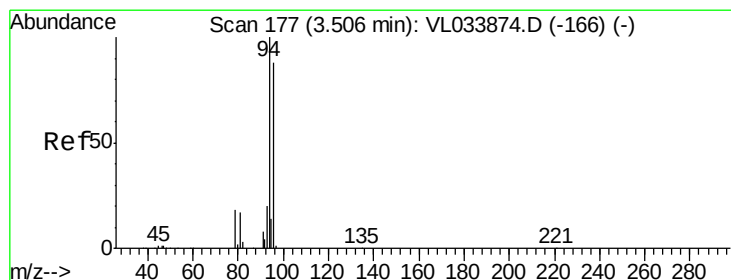
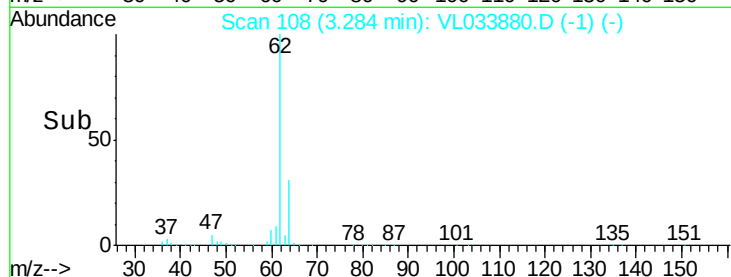
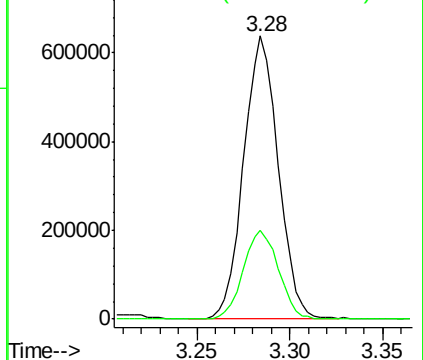
62 100

64 31.3 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: 14.580 ppbv

RT: 3.51 min Scan# 177

Delta R.T. -0.00 min

Lab File: VL033880.D

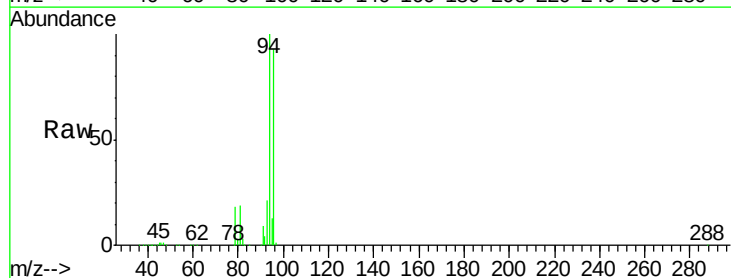
Acq: 7 Jun 2019 5:54

Tgt Ion: 94 Resp: 538051

Ion Ratio Lower Upper

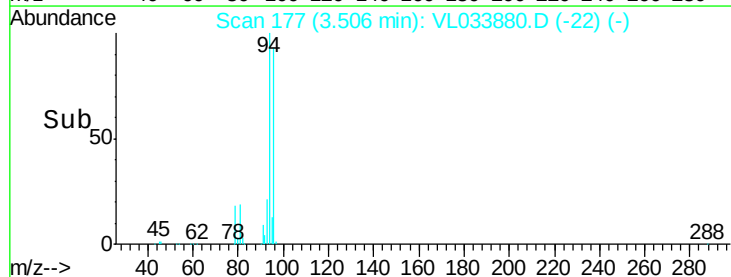
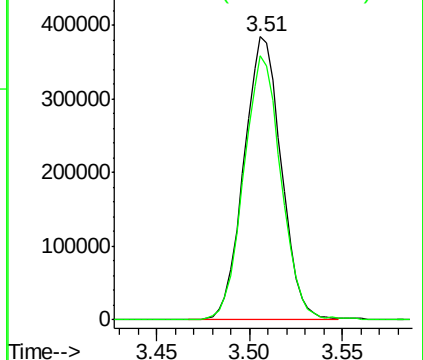
94 100

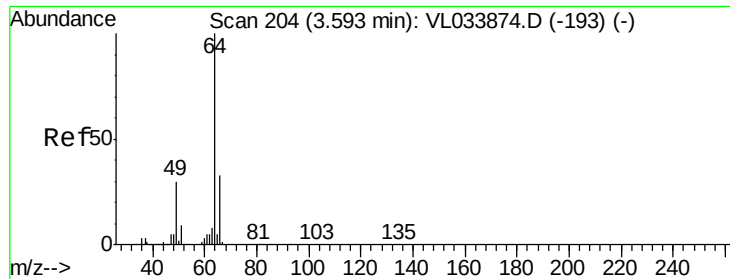
96 93.5 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 14.374 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

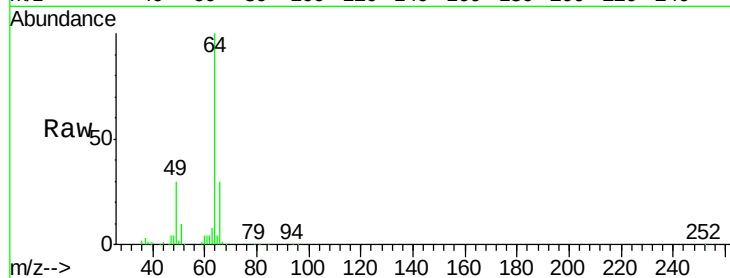
ClientSampleId :

Tot Ion: 64 Resp: 310195

Ion Ratio Lower Upper

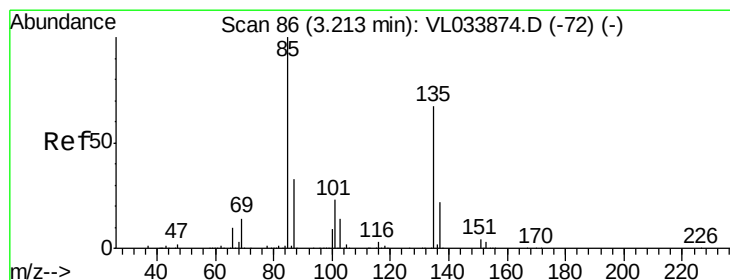
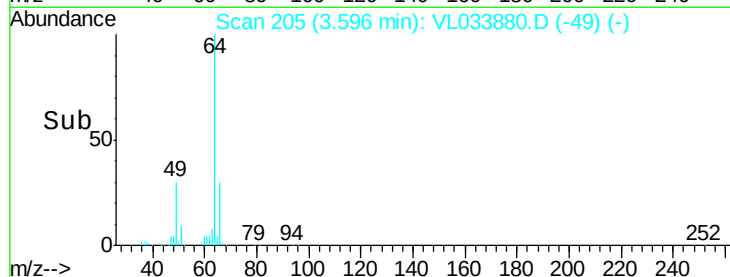
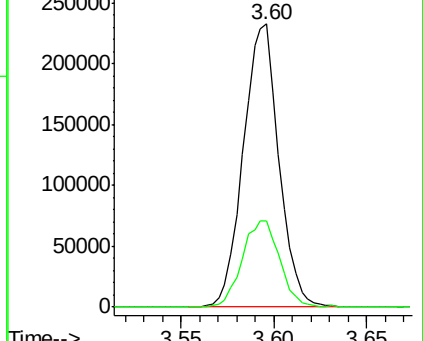
64 100

66 30.3 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: 13.758 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033880.D

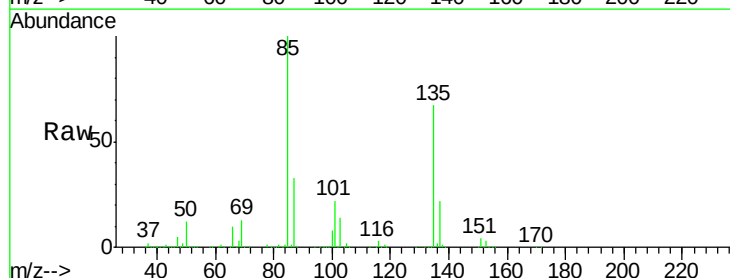
Acq: 7 Jun 2019 5:54

Tgt Ion: 85 Resp: 2135180

Ion Ratio Lower Upper

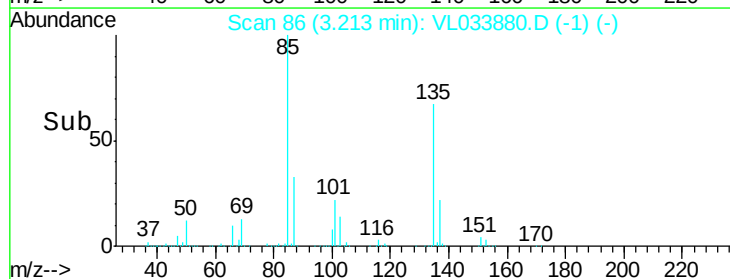
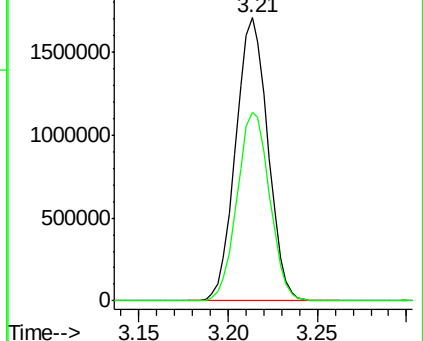
85 100

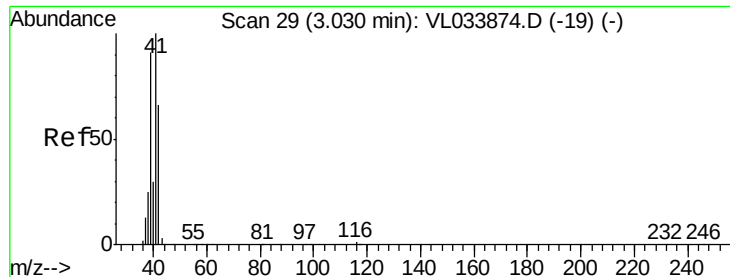
135 67.6 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 13.705 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

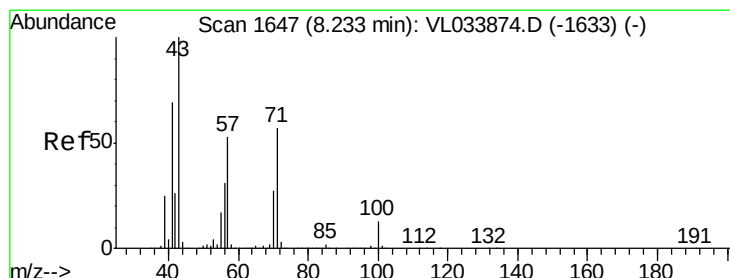
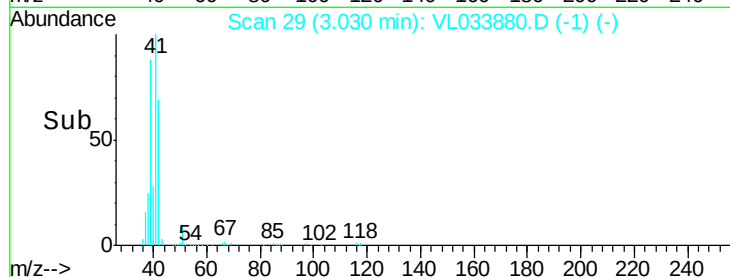
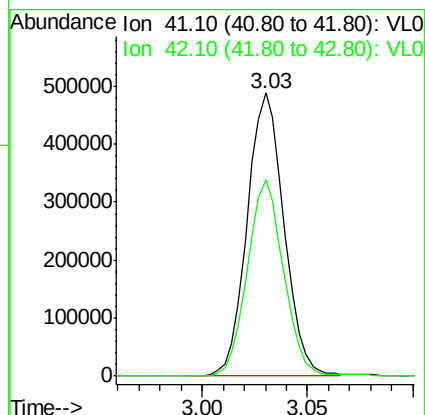
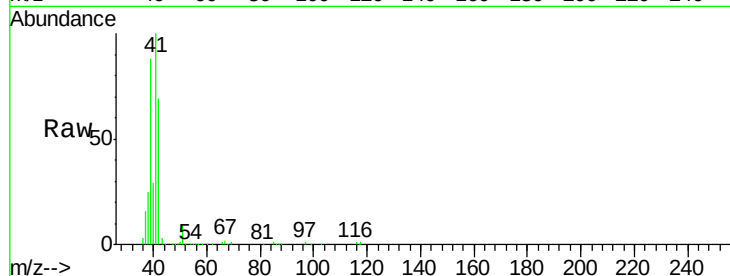
ClientSampleId :

Tot Ion: 41 Resp: 592856

Ion Ratio Lower Upper

41 100

42 68.5 56.3 84.5



#10

Heptane

Concen: 14.413 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. 0.01 min

Lab File: VL033880.D

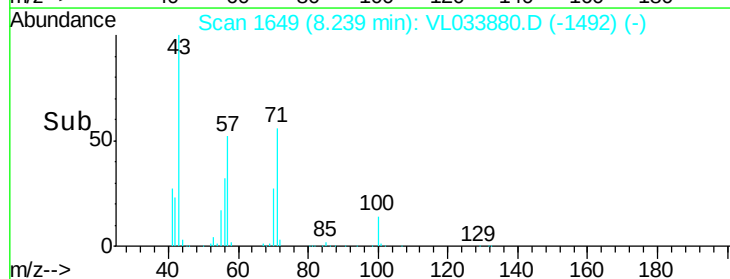
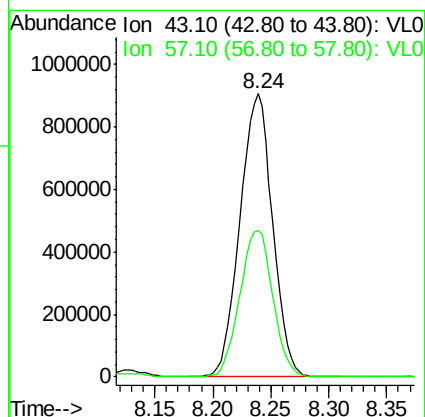
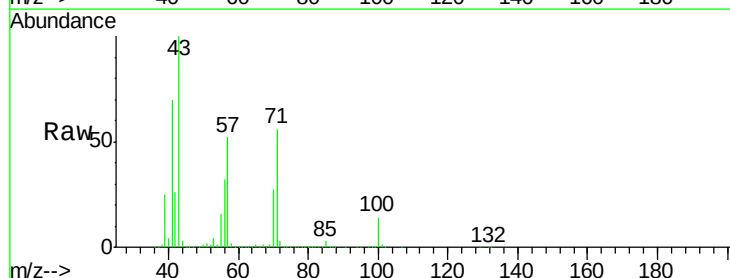
Acq: 7 Jun 2019 5:54

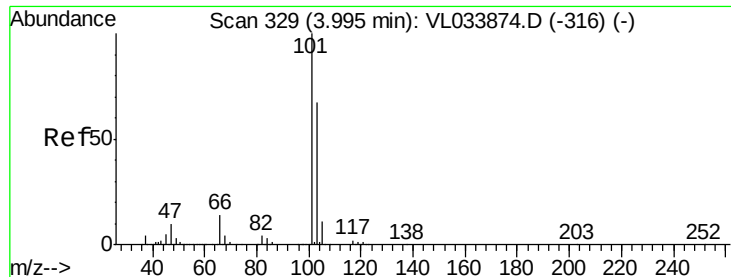
Tgt Ion: 43 Resp: 1763589

Ion Ratio Lower Upper

43 100

57 52.6 41.7 62.5

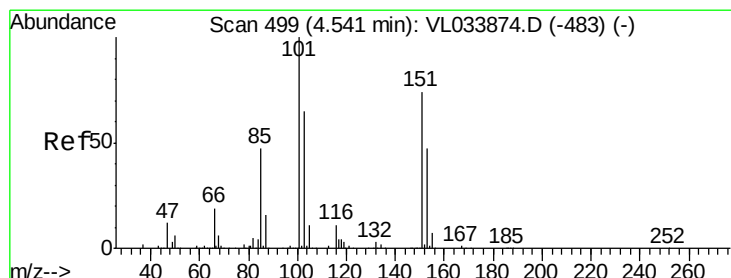
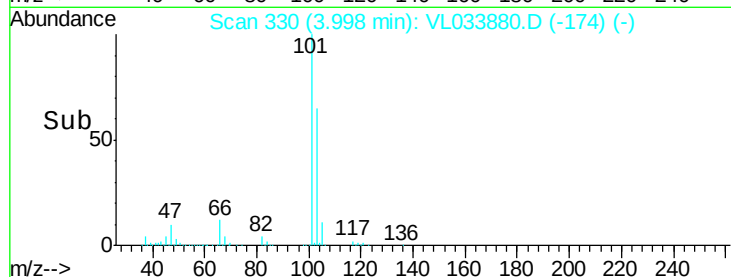
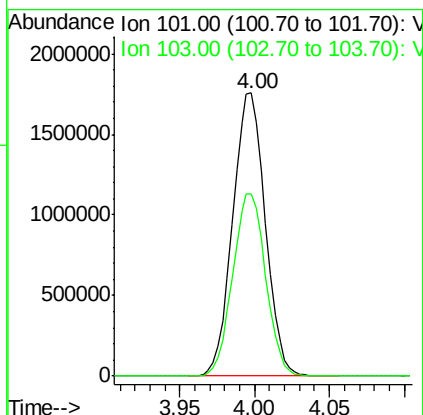
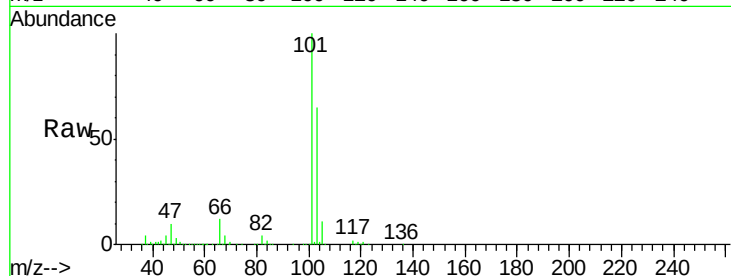




#11
 Trichlorofluoromethane
 Concen: 14.612 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

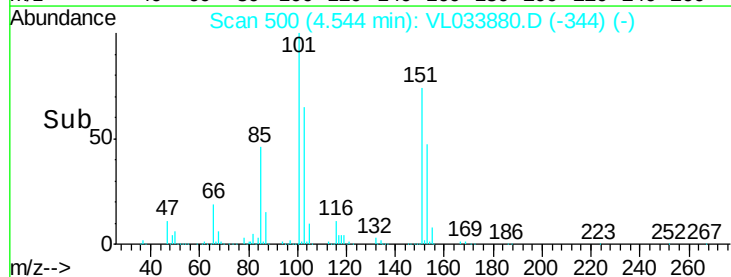
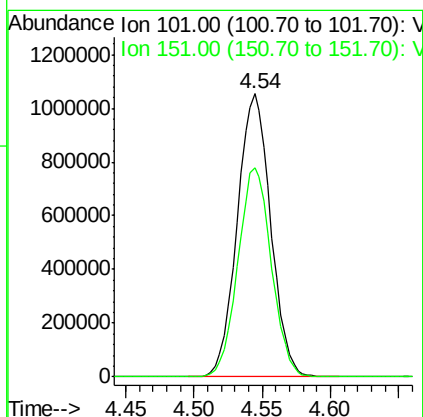
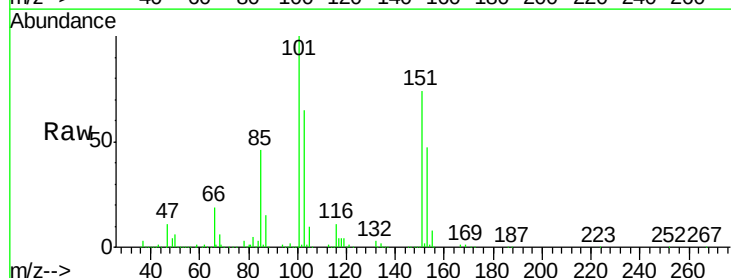
Instrument :
 MSVOA_L
 ClientSampleId :

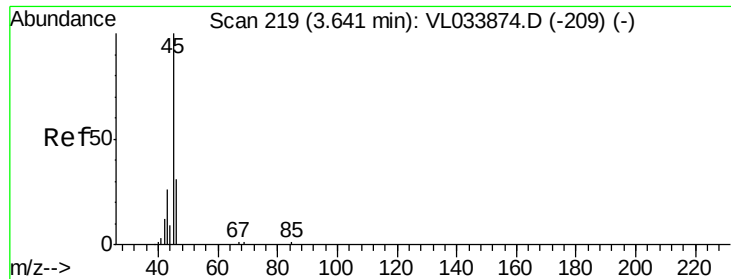
Tot Ion:101 Resp: 2664453
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.6 80.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.110 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion:101 Resp: 1791542
 Ion Ratio Lower Upper
 101 100
 151 73.9 58.6 87.8

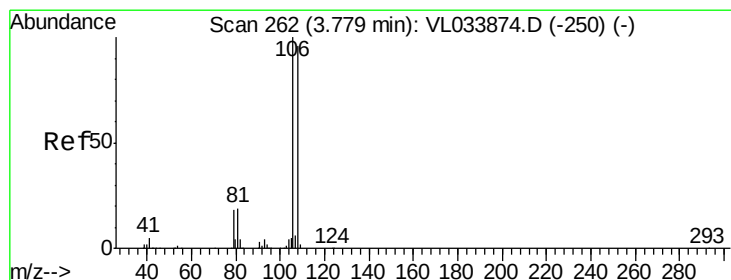
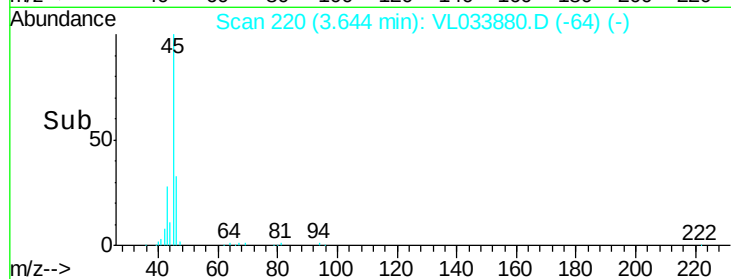
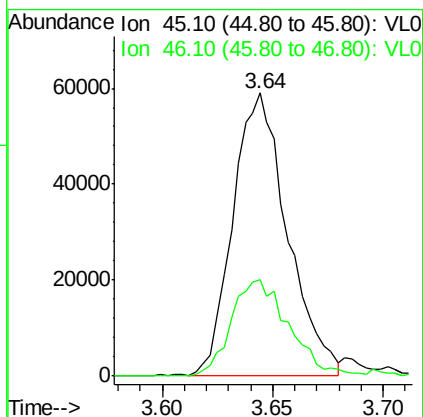
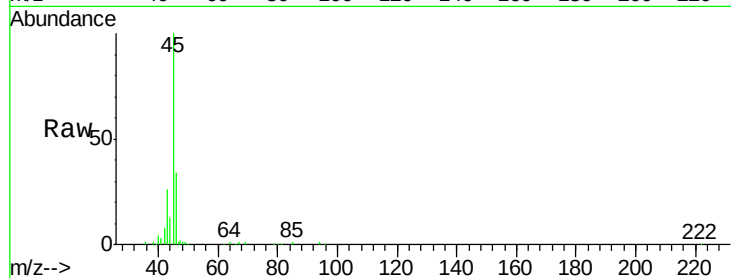




#13
Ethanol
Concen: 7.247 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

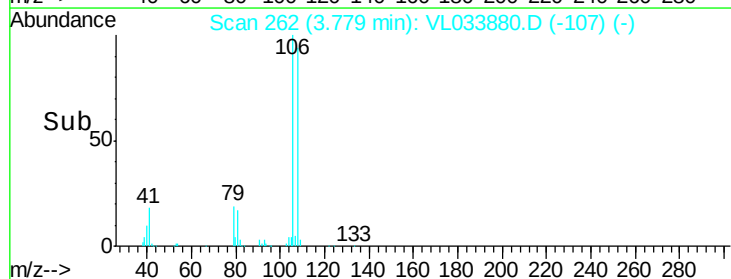
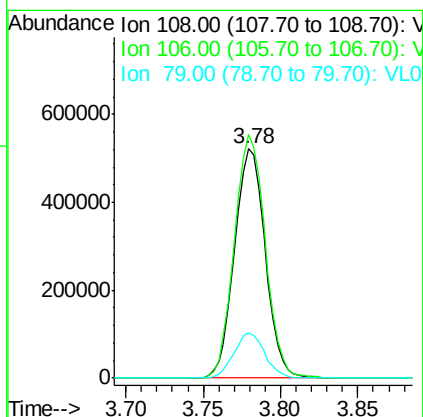
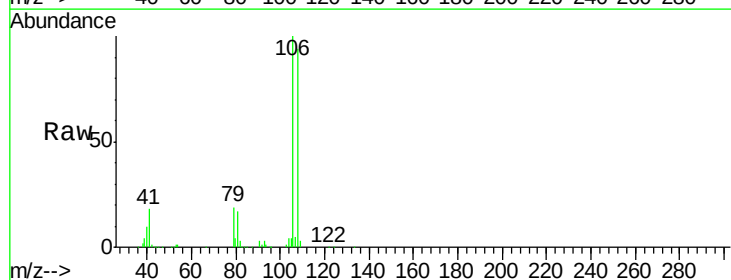
Instrument :
MSVOA_L
ClientSampleId :

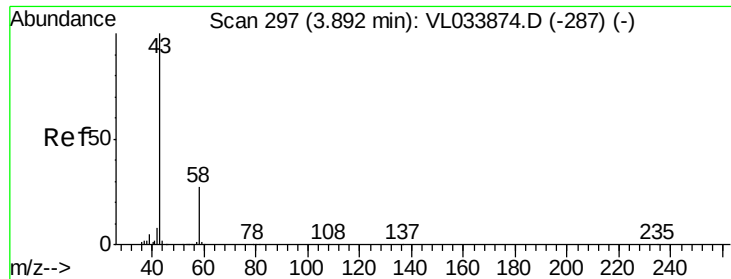
Tot Ion: 45 Resp: 100897
Ion Ratio Lower Upper
45 100
46 37.3 15.3 61.1



#14
Bromoethene
Concen: 15.171 ppbv
RT: 3.78 min Scan# 262
Delta R.T. -0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion: 108 Resp: 719997
Ion Ratio Lower Upper
108 100
106 106.8 84.9 127.3
79 19.9 15.4 23.0





#15

Acetone

Concen: 13.220 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

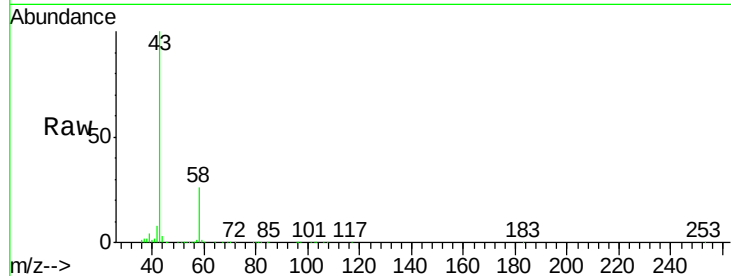
ClientSampleId :

Tot Ion: 43 Resp: 1649425

Ion Ratio Lower Upper

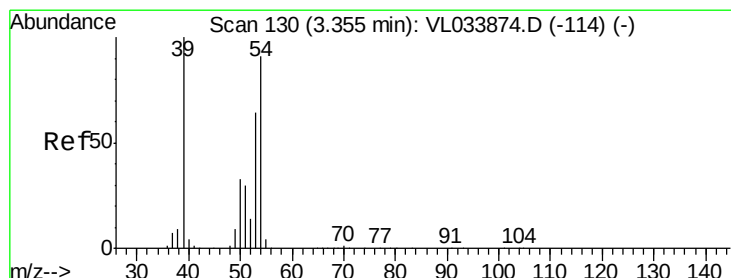
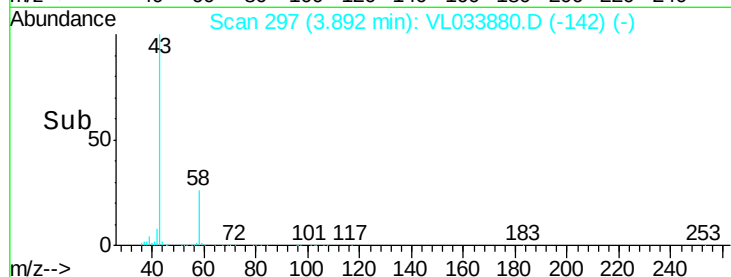
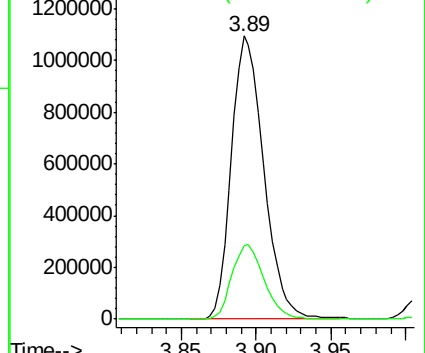
43 100

58 26.4 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: 14.955 ppbv

RT: 3.35 min Scan# 130

Delta R.T. -0.00 min

Lab File: VL033880.D

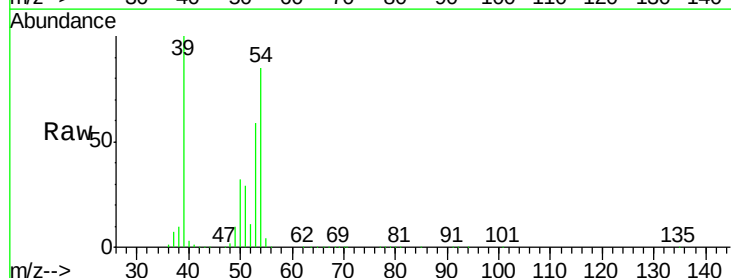
Acq: 7 Jun 2019 5:54

Tgt Ion: 39 Resp: 753457

Ion Ratio Lower Upper

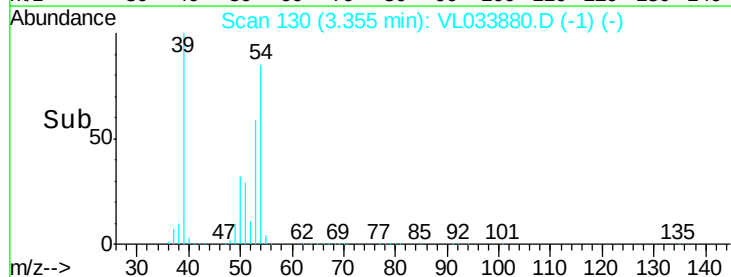
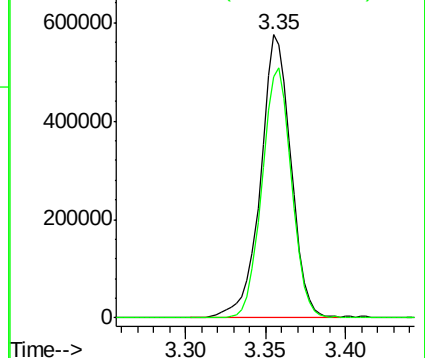
39 100

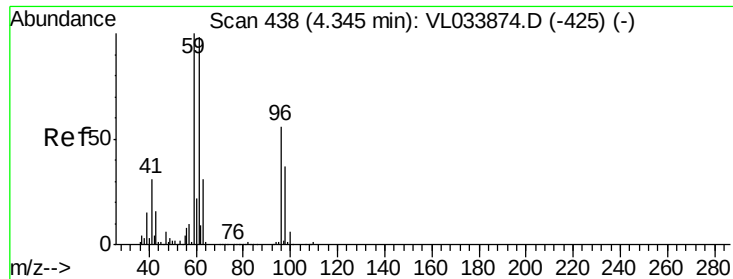
54 86.1 68.6 103.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol
 Concen: 11.518 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

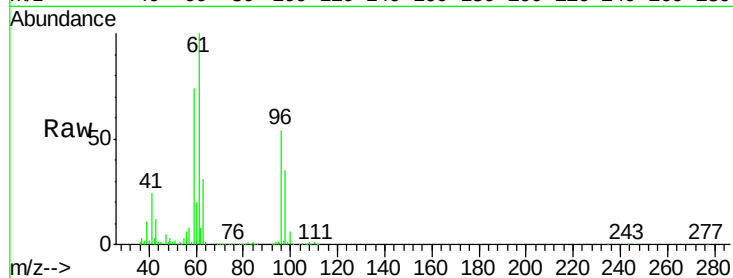
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 59 Resp: 1195310

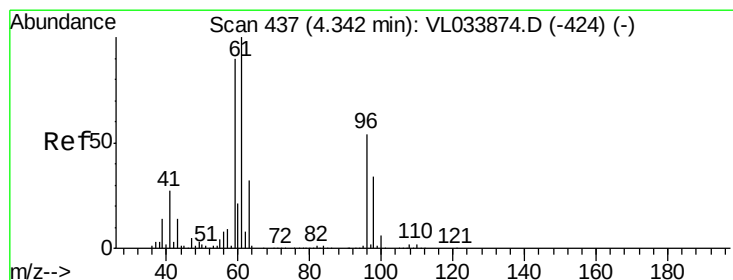
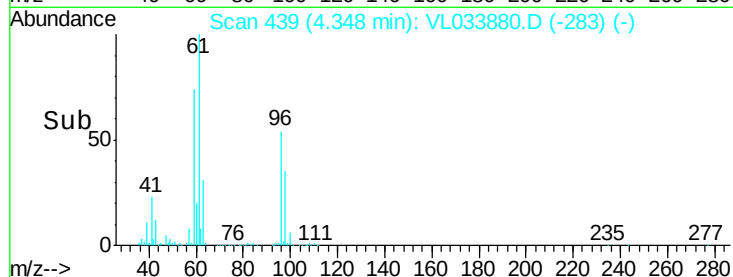
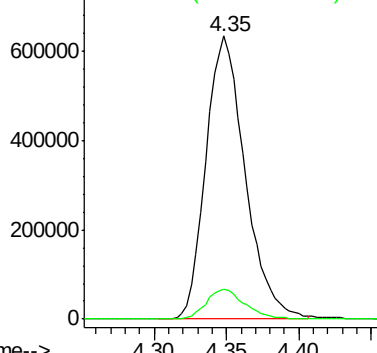
Ion Ratio Lower Upper

59 100

57 10.6 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: 14.802 ppbv
 RT: 4.34 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

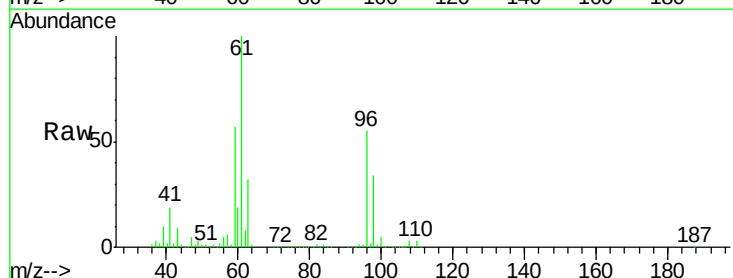
Tgt Ion: 96 Resp: 793689

Ion Ratio Lower Upper

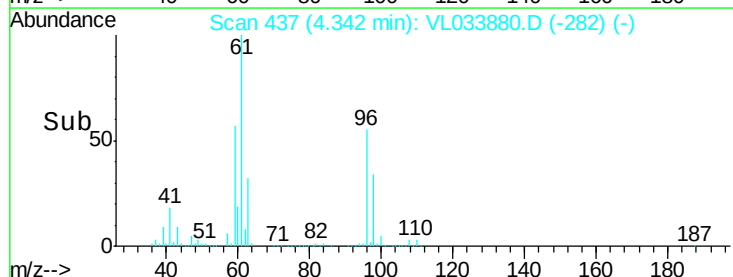
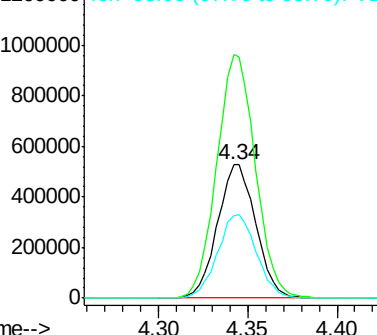
96 100

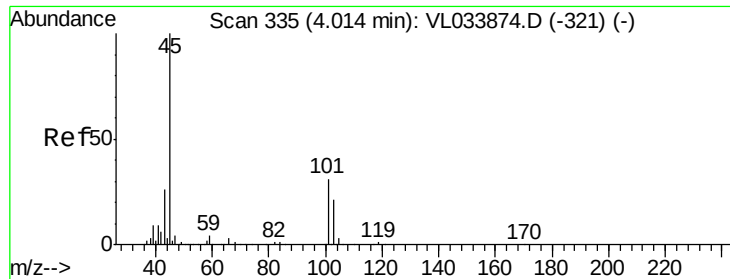
61 182.9 147.0 220.6

98 61.9 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



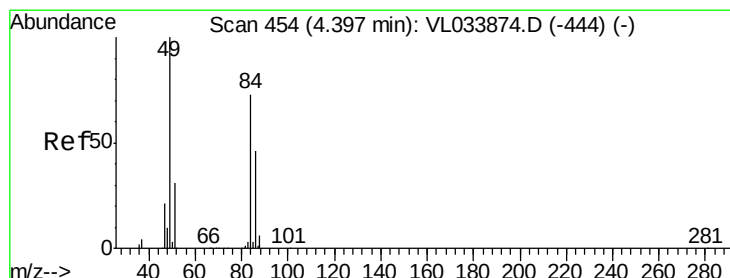
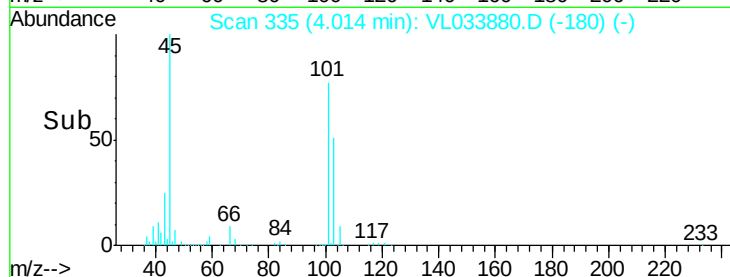
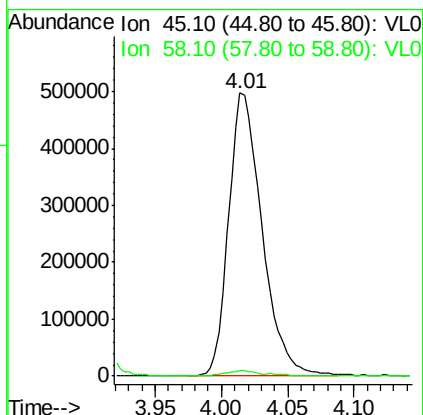
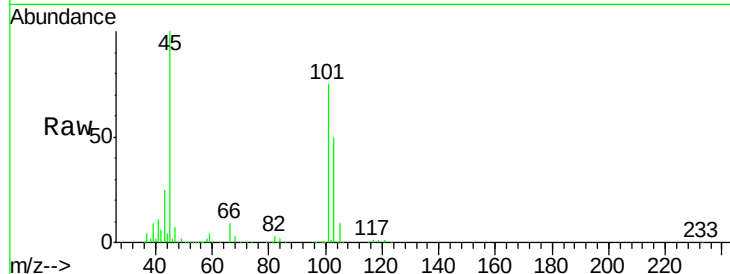


#19

Isopropyl Alcohol
 Concen: 10.770 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Instrument :
 MSVOA_L
 ClientSampled :

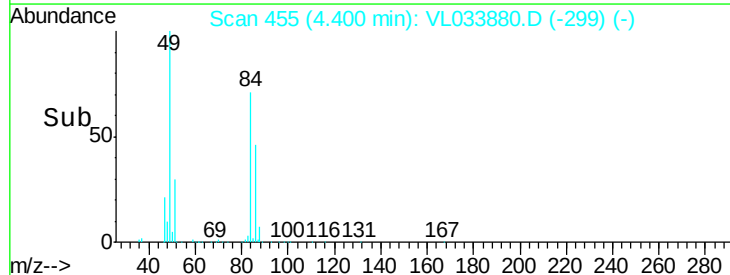
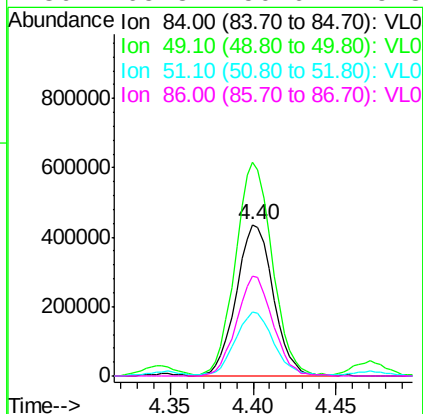
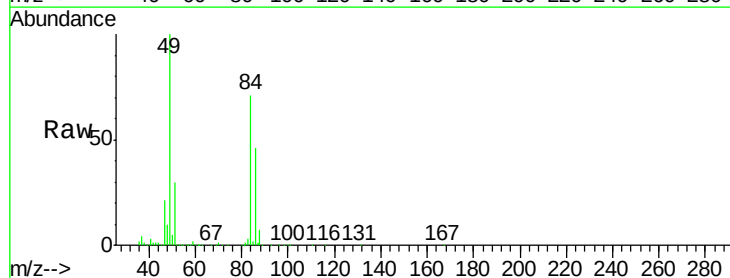
Tot Ion: 45 Resp: 873268
 Ion Ratio Lower Upper
 45 100
 58 2.4 1.8 2.6

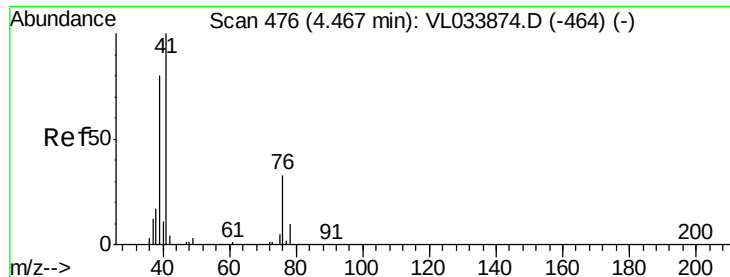


#20

Methylene Chloride
 Concen: 13.887 ppbv
 RT: 4.40 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 84 Resp: 673136
 Ion Ratio Lower Upper
 84 100
 49 139.9 110.0 165.0
 51 41.7 34.6 51.8
 86 65.8 50.6 75.8

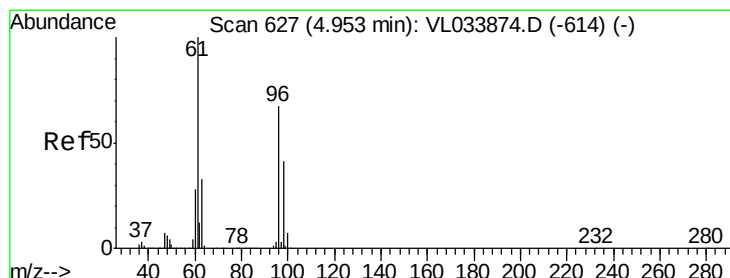
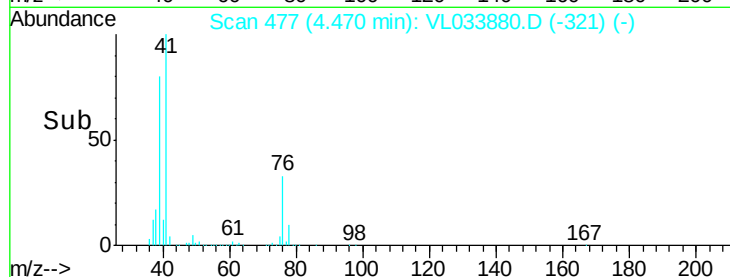
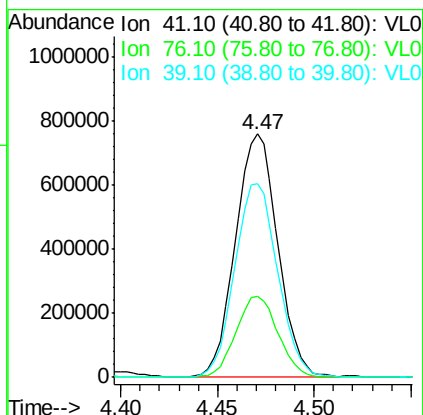
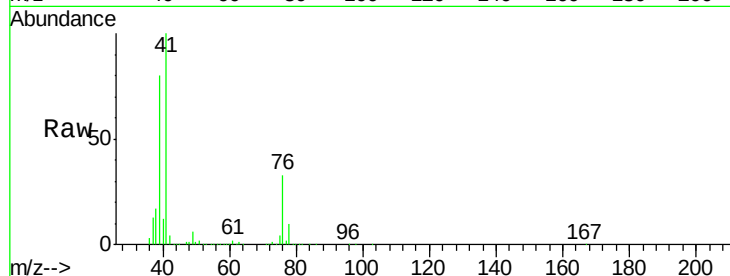




#21
 Allvl Chloride
 Concen: 14.846 ppbv
 RT: 4.47 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

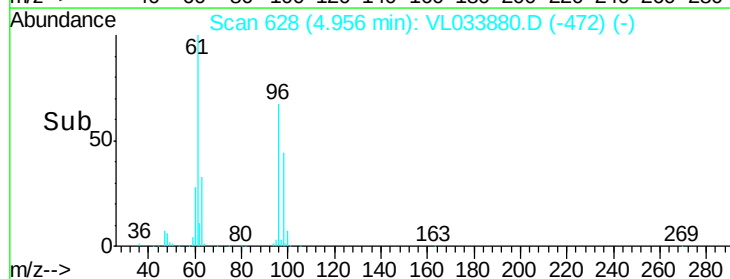
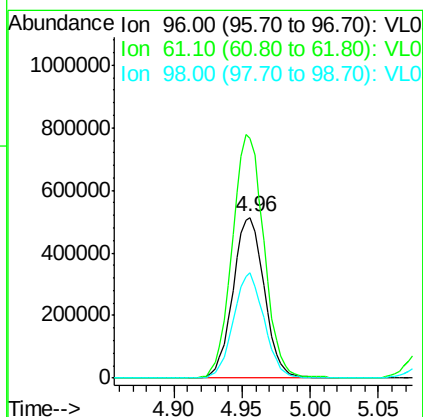
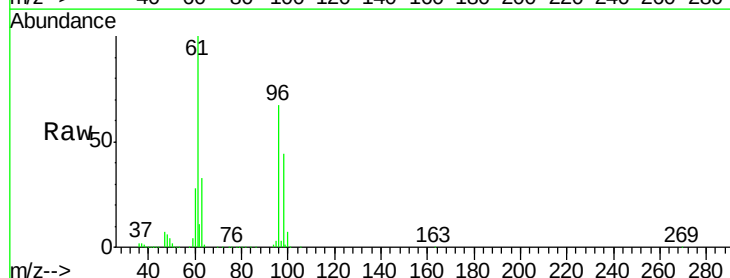
Instrument :
 MSVOA_L
 ClientSampleId :

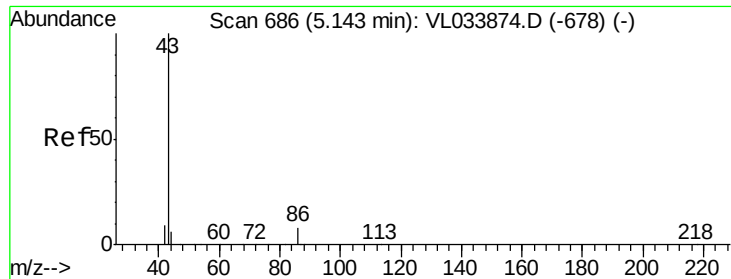
Tot Ion: 41 Resp: 1151191
 Ion Ratio Lower Upper
 41 100
 76 33.4 26.6 39.8
 39 81.3 65.2 97.8



#22
 trans-1,2-Dichloroethene
 Concen: 14.674 ppbv
 RT: 4.96 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 96 Resp: 820654
 Ion Ratio Lower Upper
 96 100
 61 148.8 119.0 178.6
 98 65.5 48.3 72.5





#23

Vinyl Acetate

Concen: 14.798 ppbv

RT: 5.15 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 2425639

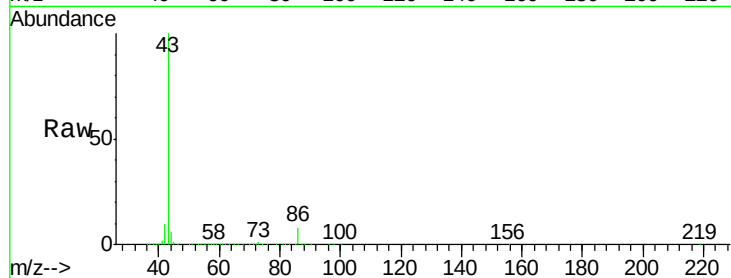
Ion Ratio Lower Upper

43 100

86 8.0 5.8 8.8

42 10.1 7.8 11.8

44 5.8 4.2 6.4

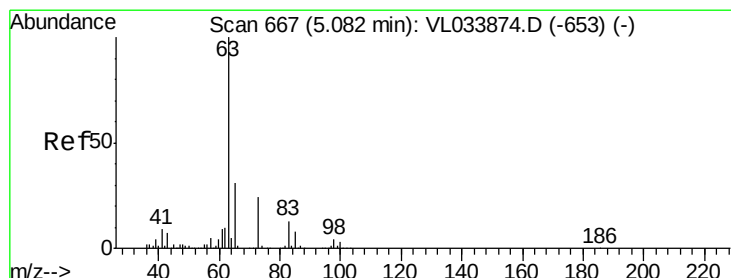
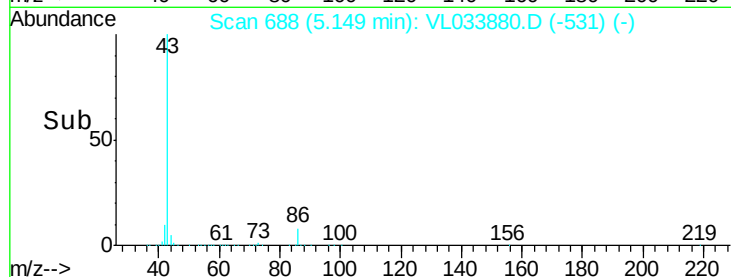
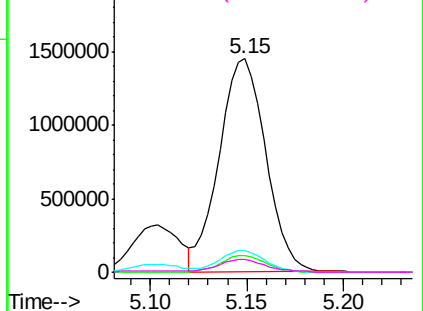


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.730 ppbv

RT: 5.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

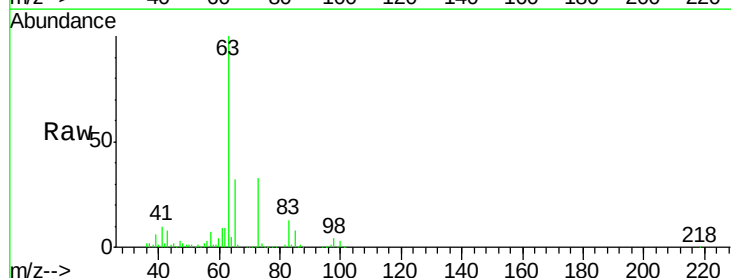
Tgt Ion: 63 Resp: 1725645

Ion Ratio Lower Upper

63 100

98 4.3 2.2 6.6

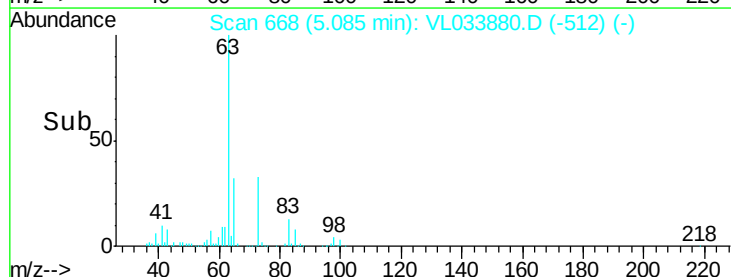
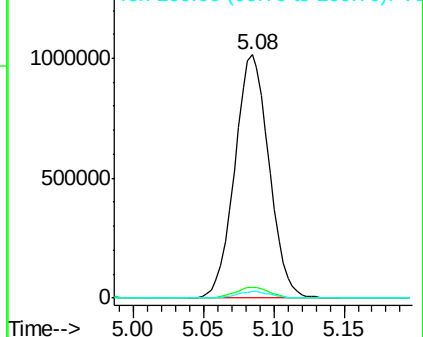
100 3.0 1.3 3.8

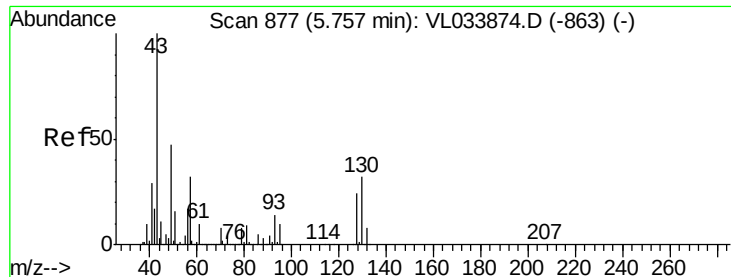


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



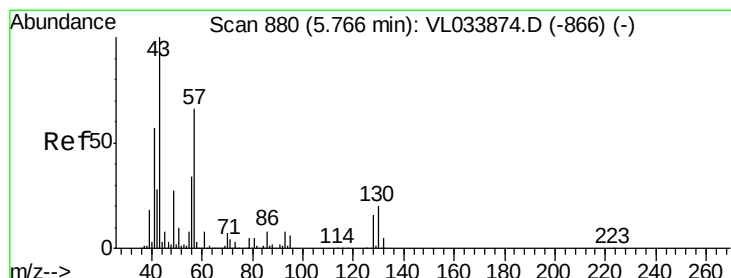
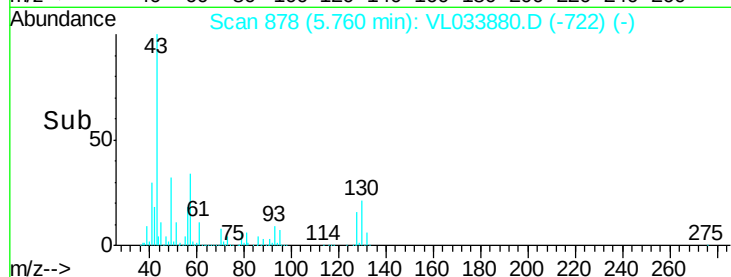
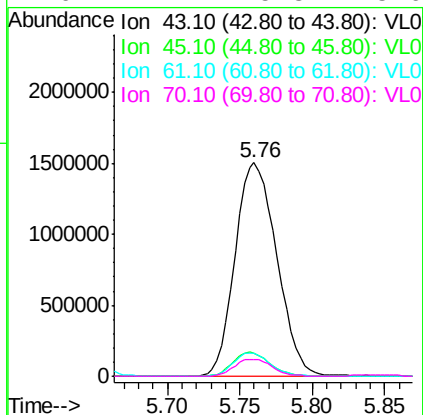
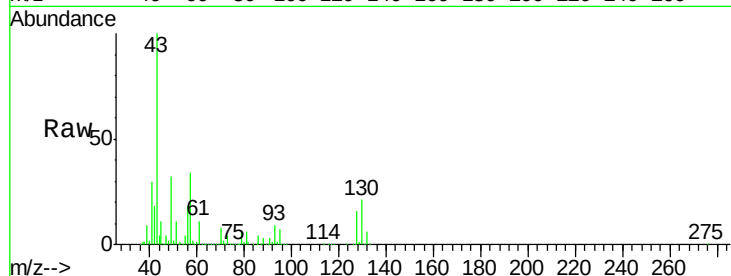


#25
Ethyl Acetate
Concen: 13.761 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2996632

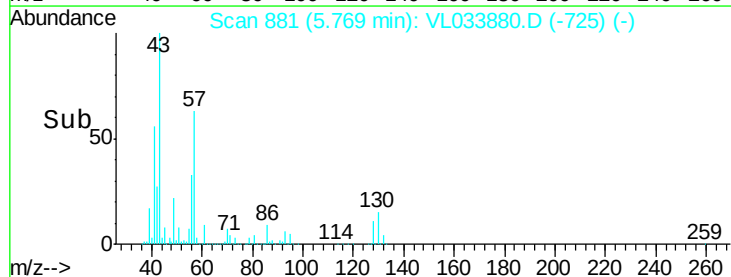
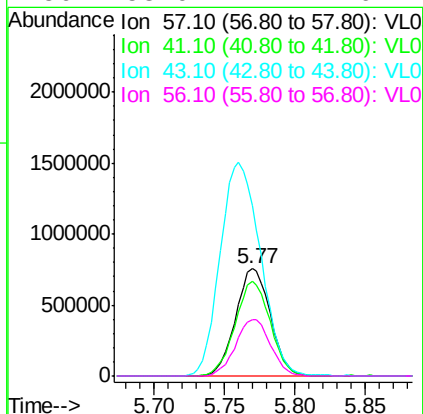
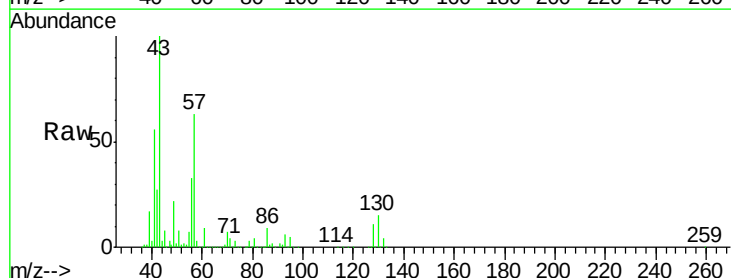
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.9	7.8	11.6
70	7.4	5.8	8.6

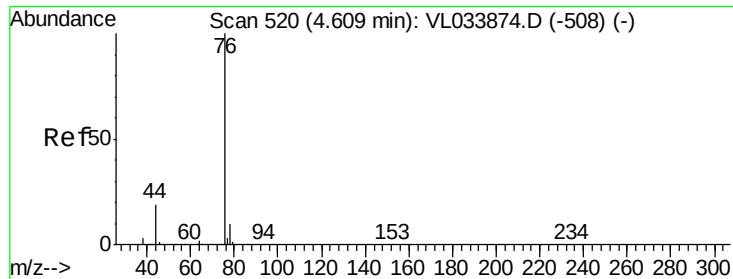


#26
Hexane
Concen: 14.006 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion: 57 Resp: 1308083

Ion	Ratio	Lower	Upper
57	100		
41	89.1	71.4	107.2
43	230.0	183.7	275.5
56	53.0	42.7	64.1





#27

Carbon Disulfide

Concen: 15.676 ppbv

RT: 4.61 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

ClientSampleId :

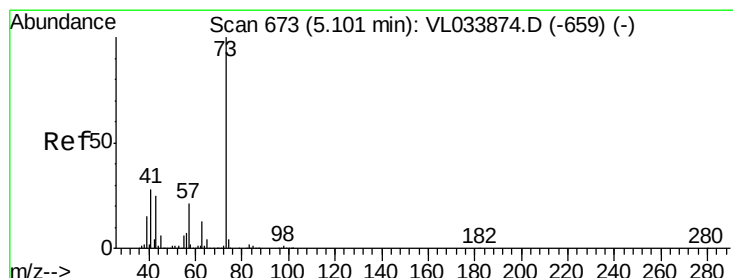
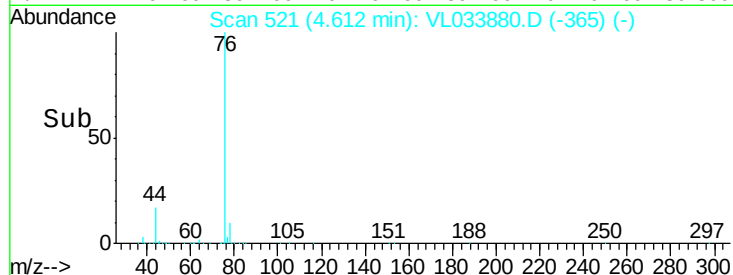
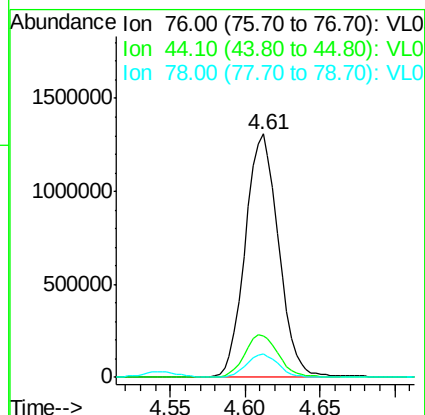
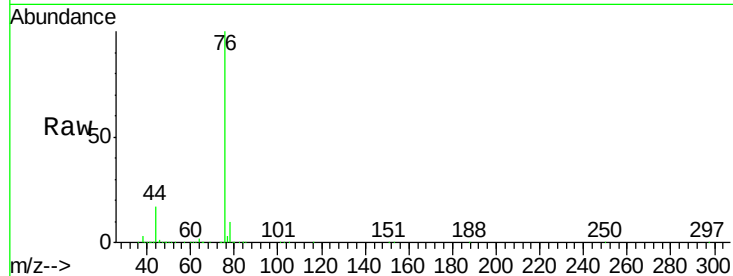
Tot Ion: 76 Resp: 2033405

Ion Ratio Lower Upper

76 100

44 17.6 14.4 21.6

78 9.6 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 14.425 ppbv

RT: 5.10 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL033880.D

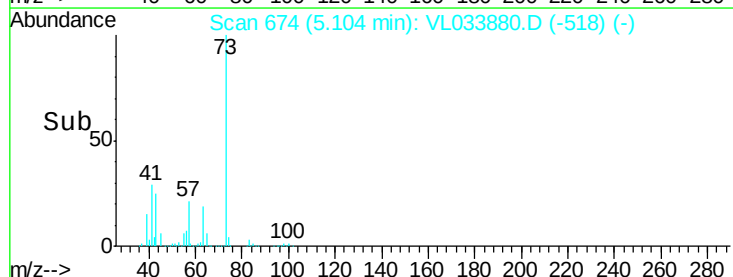
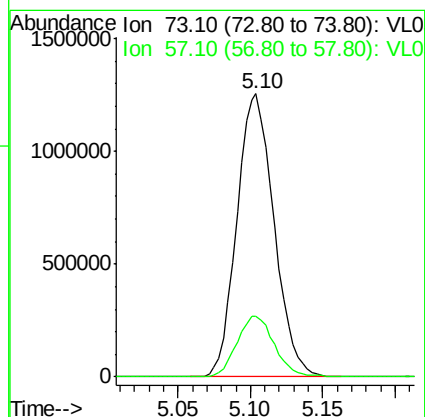
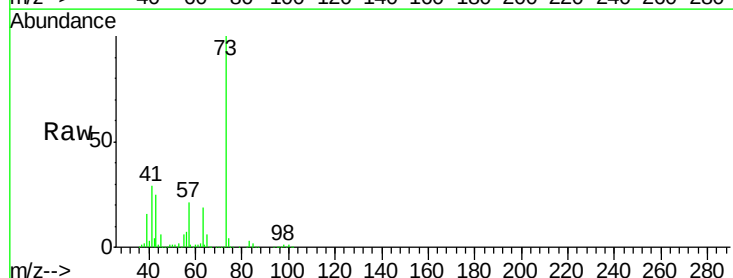
Acq: 7 Jun 2019 5:54

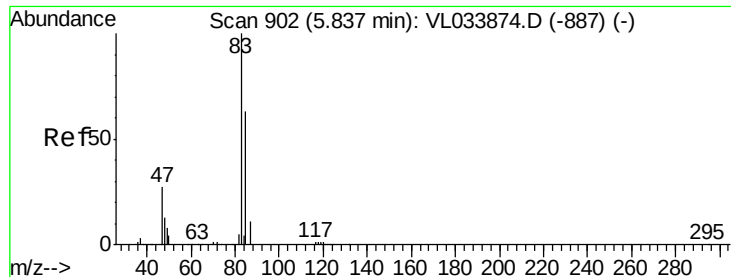
Tgt Ion: 73 Resp: 2232454

Ion Ratio Lower Upper

73 100

57 21.8 17.2 25.8

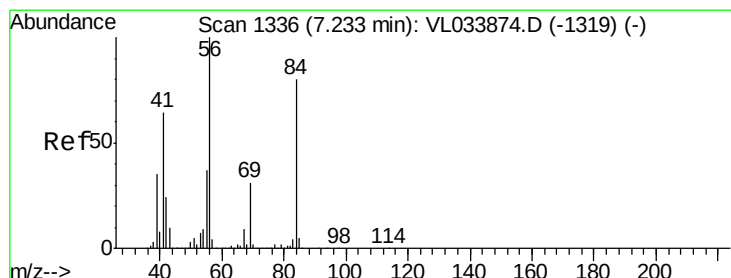
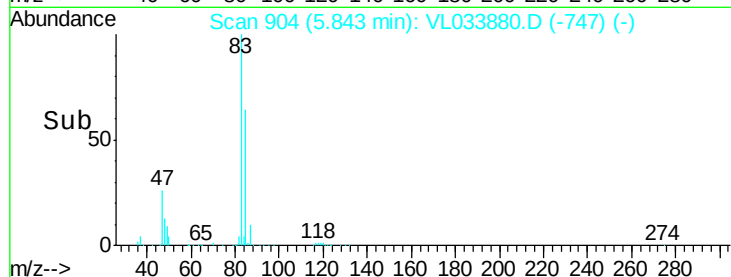
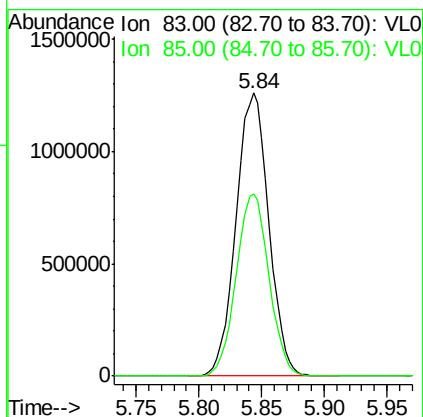
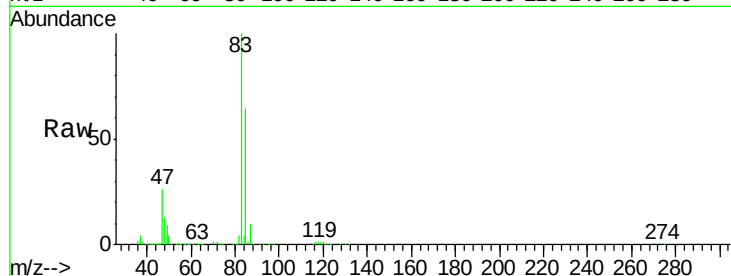




#29
Chloroform
Concen: 13.235 ppbv
RT: 5.84 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

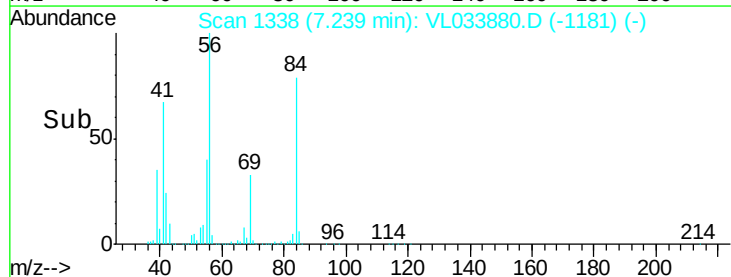
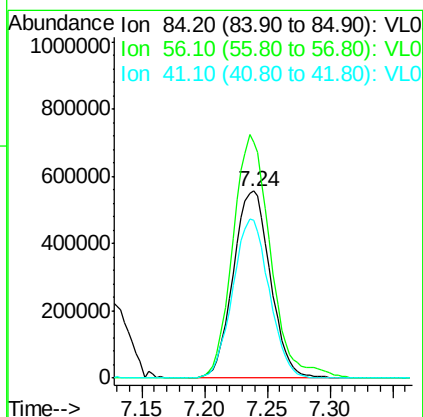
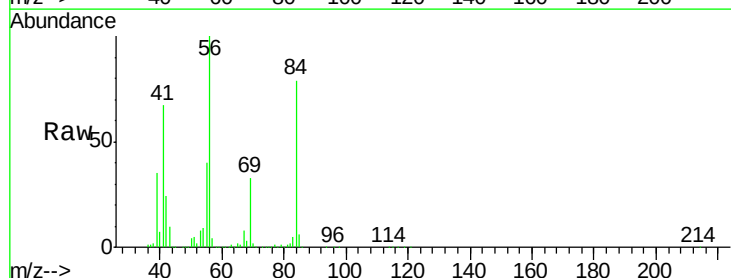
Instrument :
MSVOA_L
ClientSampleId :

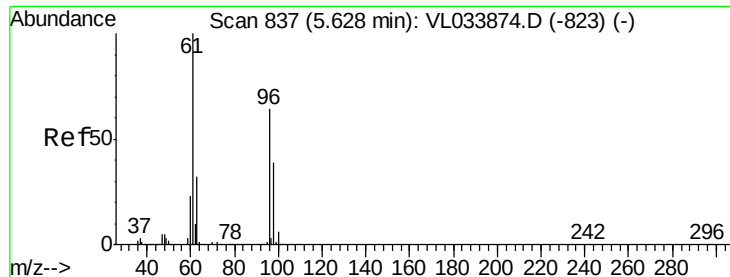
Tot Ion: 83 Resp: 2291553
Ion Ratio Lower Upper
83 100
85 64.3 50.5 75.7



#30
Cyclohexane
Concen: 14.692 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion: 84 Resp: 1146153
Ion Ratio Lower Upper
84 100
56 131.8 105.8 158.8
41 83.6 65.7 98.5



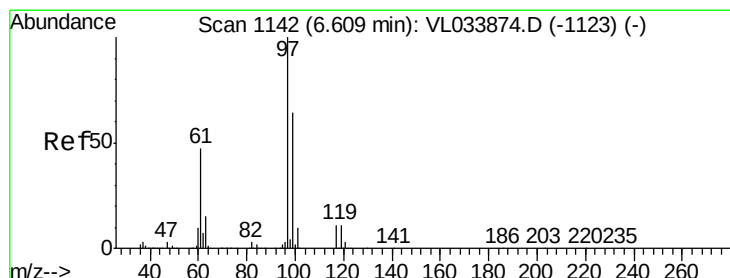
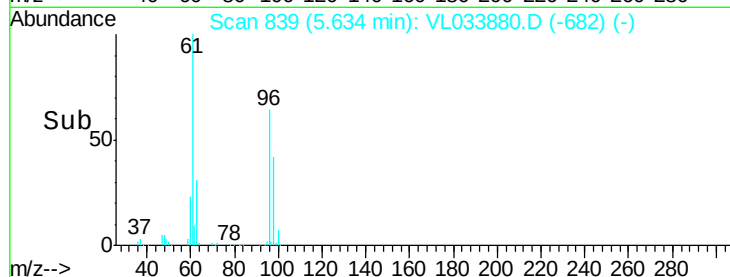
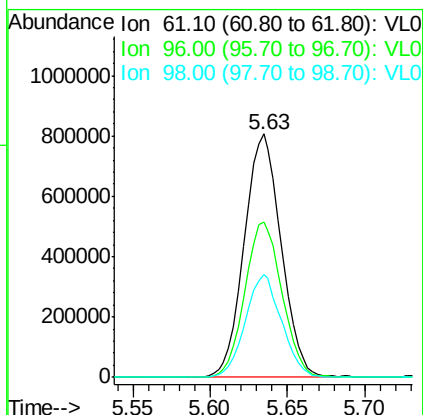
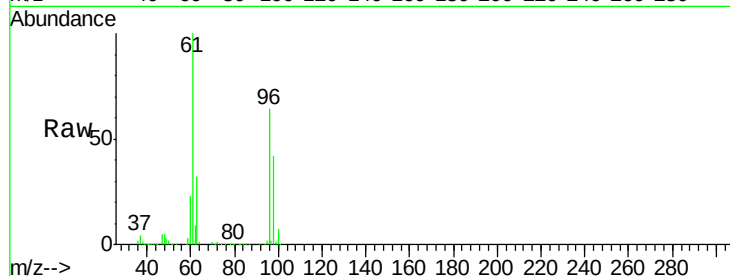


#31

cis-1,2-Dichloroethene
 Concen: 14.362 ppbv
 RT: 5.63 min Scan# 839
 Delta R.T. 0.01 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Instrument :
 MSVOA_L
 ClientSampleId :

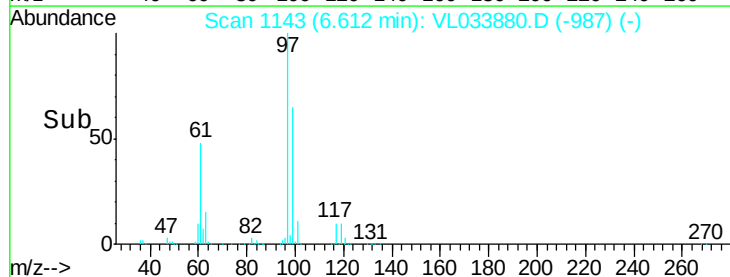
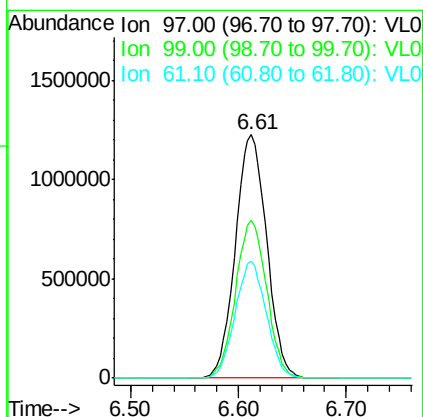
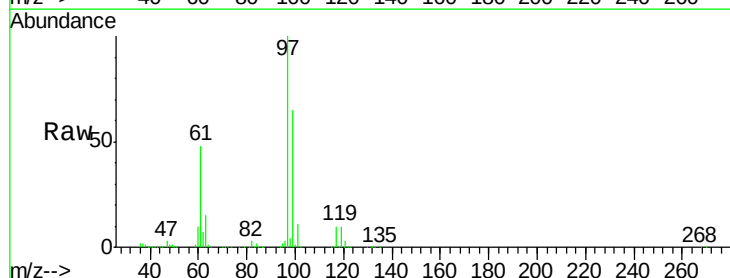
Tot Ion: 61 Resp: 1344371
 Ion Ratio Lower Upper
 61 100
 96 63.7 50.9 76.3
 98 42.3 31.4 47.2

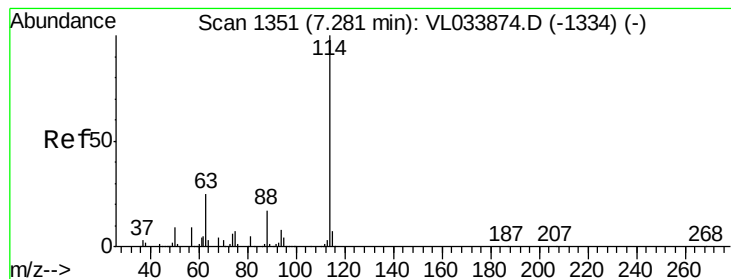


#32

1,1,1-Trichloroethane
 Concen: 14.313 ppbv
 RT: 6.61 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 97 Resp: 2479477
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 47.5 37.7 56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

ClientSampleId :

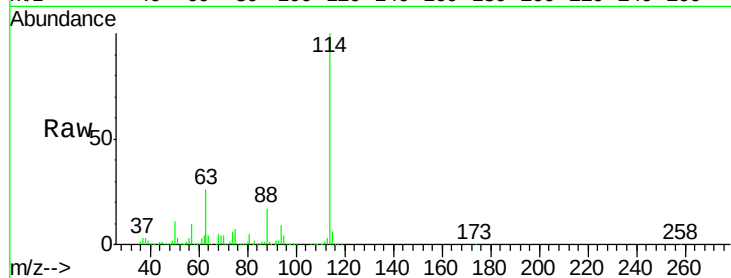
Tot Ion:114 Resp: 2172918

Ion Ratio Lower Upper

114 100

63 27.2 21.1 31.7

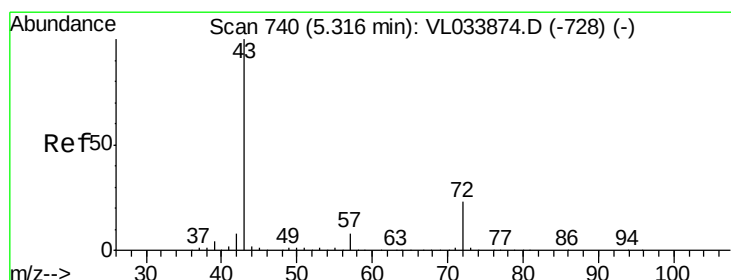
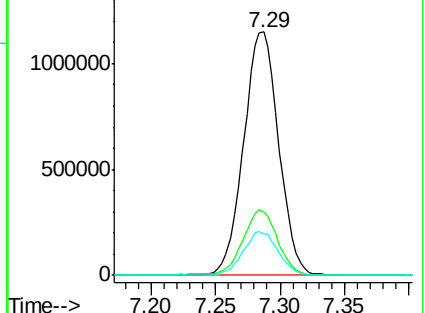
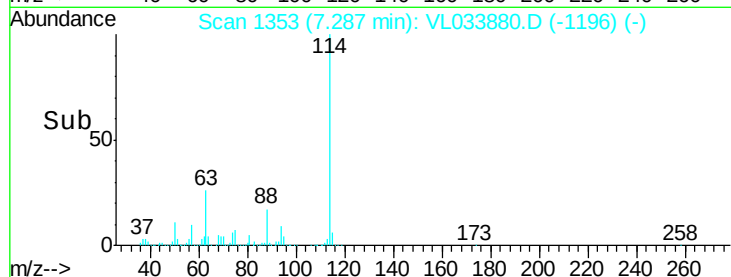
88 17.9 14.2 21.4



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: 14.384 ppbv

RT: 5.32 min Scan# 742

Delta R.T. 0.01 min

Lab File: VL033880.D

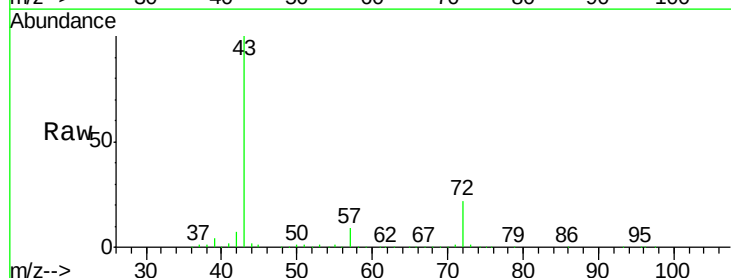
Acq: 7 Jun 2019 5:54

Tgt Ion: 43 Resp: 1932249

Ion Ratio Lower Upper

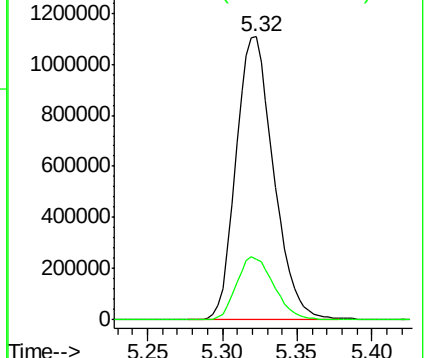
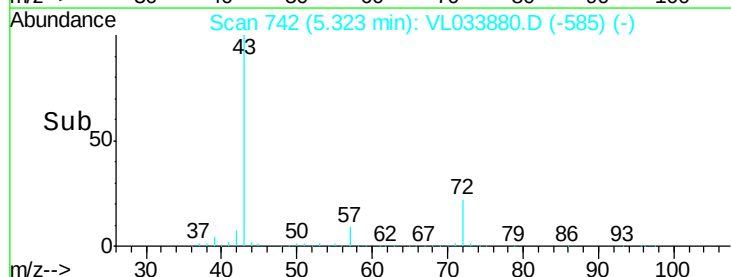
43 100

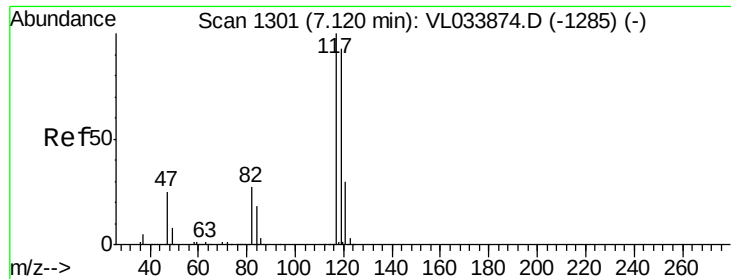
72 22.2 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

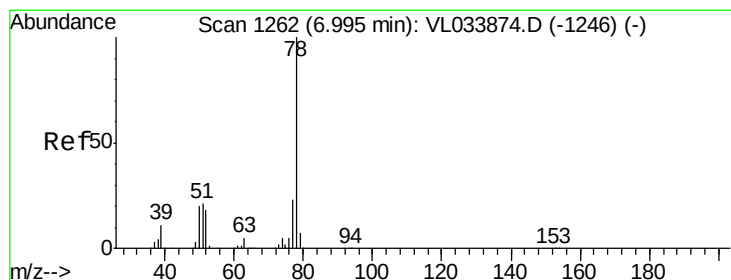
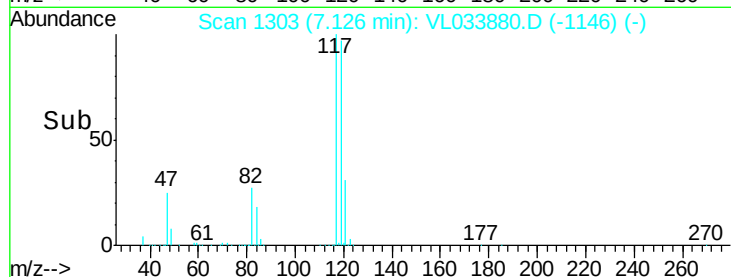
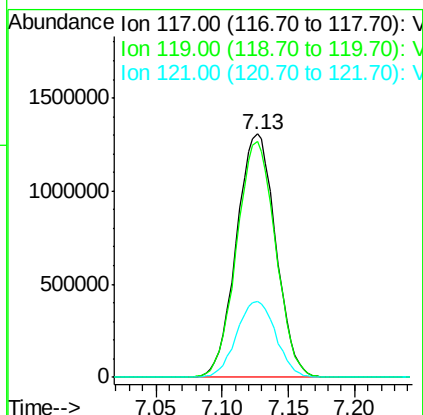
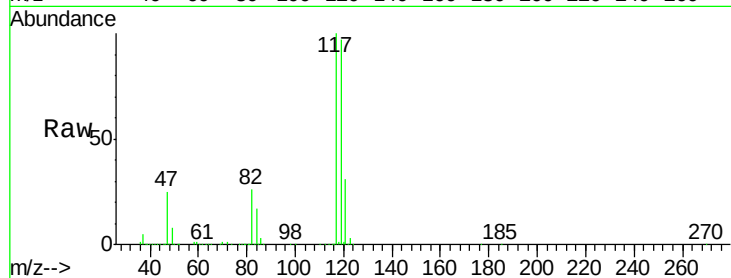




#35
 Carbon Tetrachloride
 Concen: 15.451 ppbv
 RT: 7.13 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

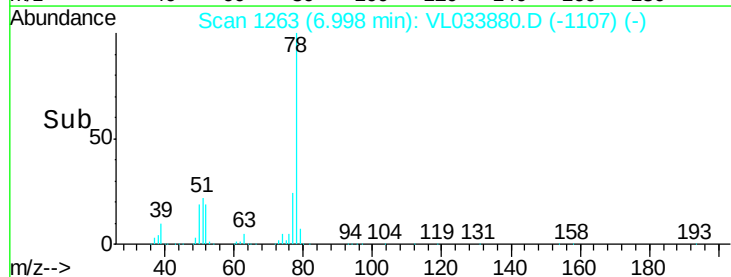
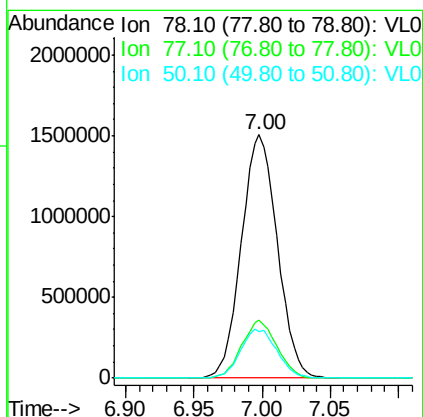
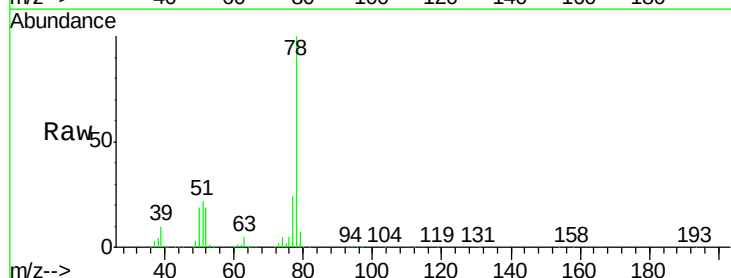
Instrument :
 MSVOA_L
 ClientSampleId :

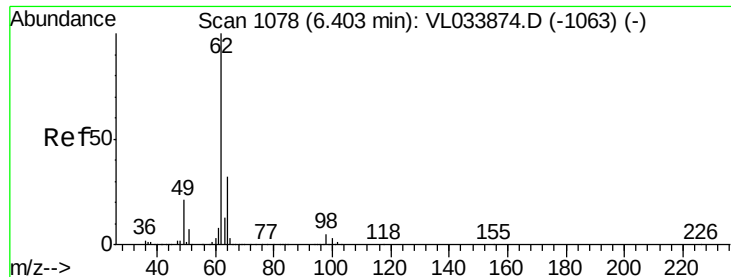
Tot Ion:117 Resp: 2694175
 Ion Ratio Lower Upper
 117 100
 119 97.0 74.6 111.8
 121 31.4 24.0 36.0



#36
 Benzene
 Concen: 14.251 ppbv
 RT: 7.00 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 78 Resp: 2766715
 Ion Ratio Lower Upper
 78 100
 77 23.6 18.2 27.2
 50 19.3 15.9 23.9





#37

1,2-Dichloroethane

Concen: 14.585 ppbv

RT: 6.41 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

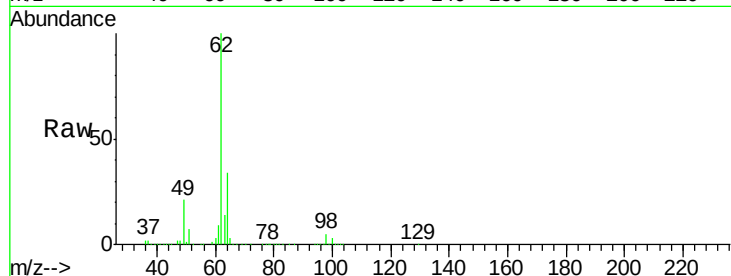
ClientSampled :

Tot Ion: 62 Resp: 1868272

Ion Ratio Lower Upper

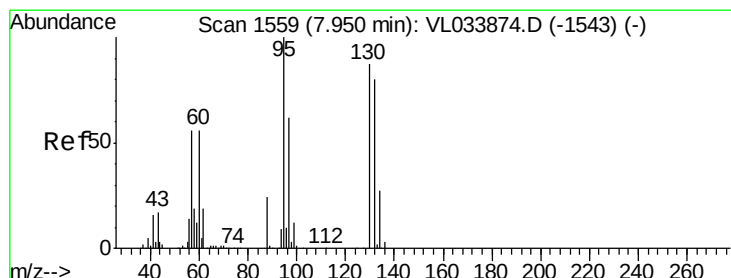
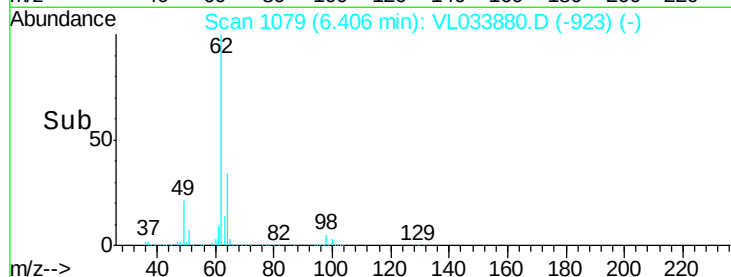
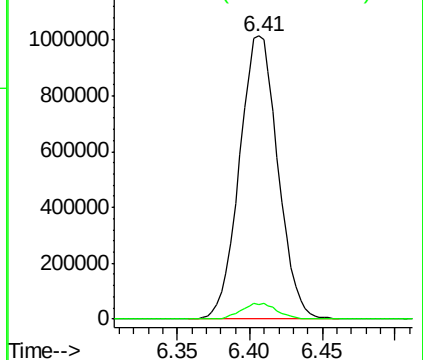
62 100

98 5.3 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: 16.368 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Tgt Ion:130 Resp: 1204763

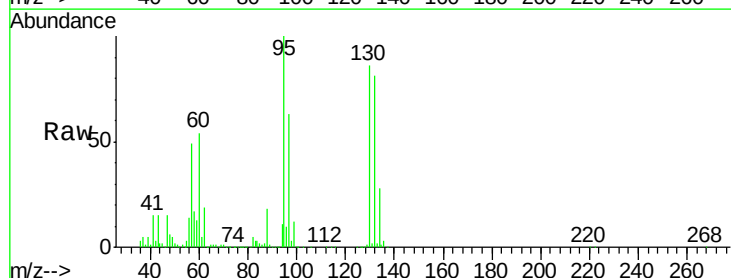
Ion Ratio Lower Upper

130 100

95 115.6 92.0 138.0

132 94.1 73.8 110.8

97 73.2 57.2 85.8

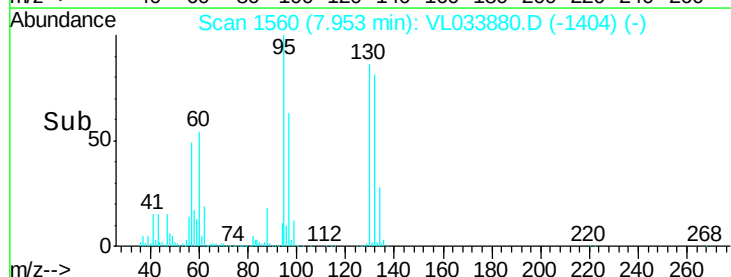
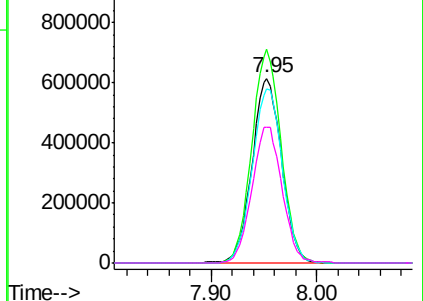


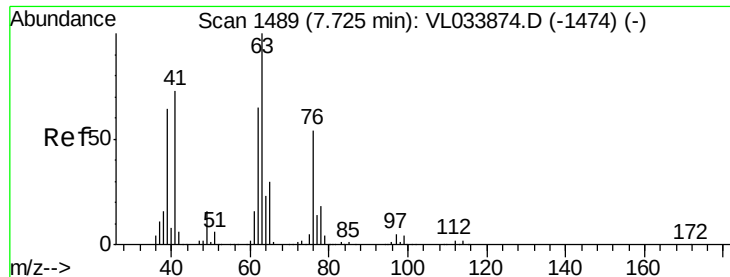
Abundance Ion 130.00 (129.70 to 130.70): V

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

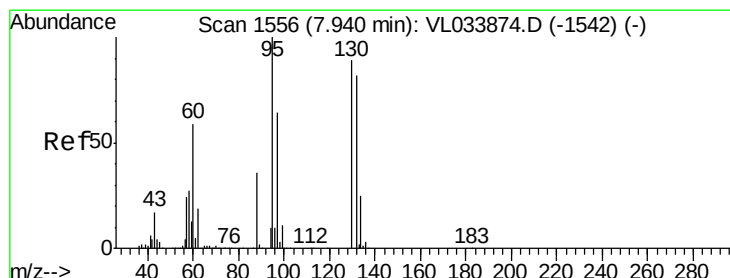
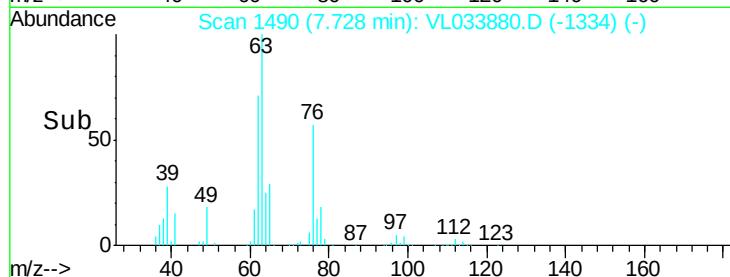
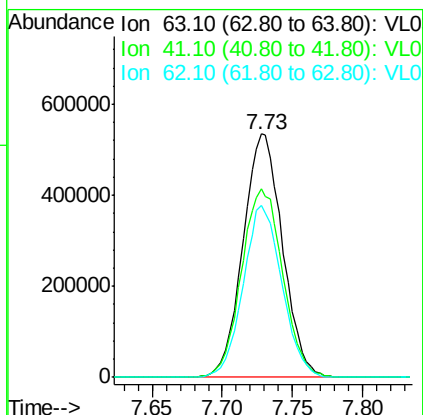
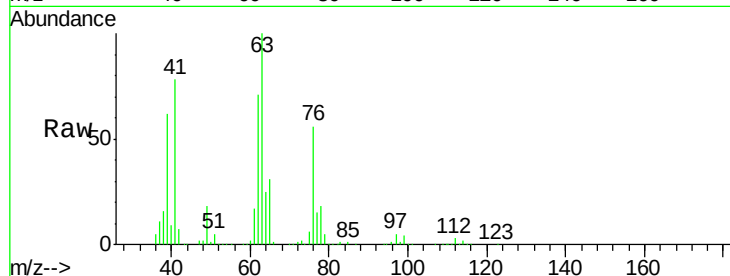




#39
 1,2-Dichloropropane
 Concen: 14.401 ppbv
 RT: 7.73 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

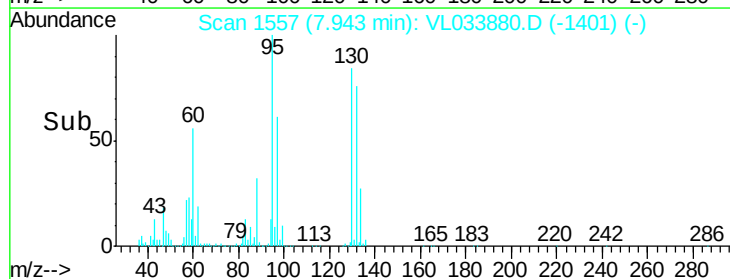
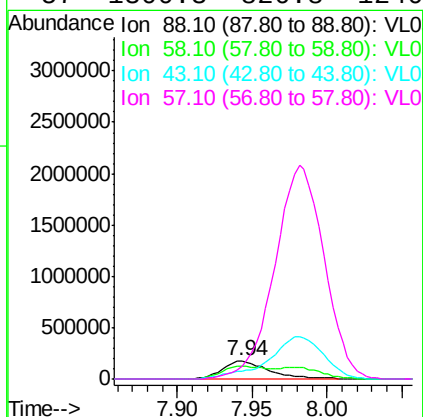
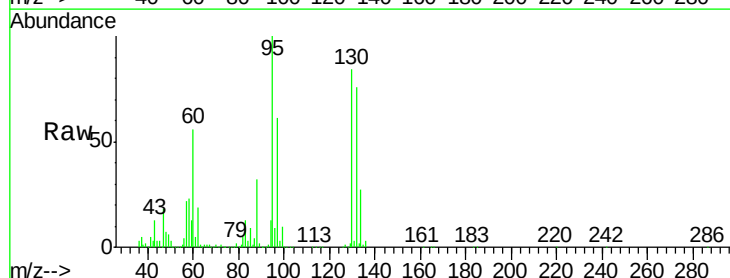
Instrument :
 MSVOA_L
 ClientSampleId :

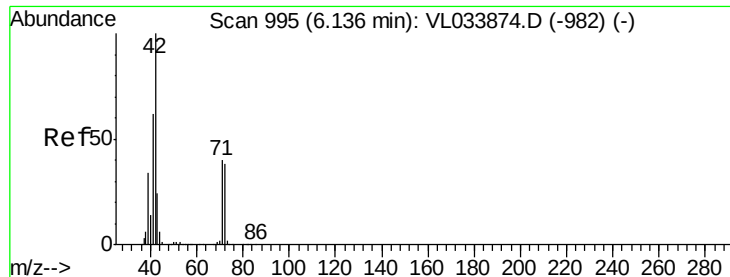
Tot Ion: 63 Resp: 1047900
 Ion Ratio Lower Upper
 63 100
 41 77.6 58.7 88.1
 62 70.6 51.9 77.9



#40
 1,4-Dioxane
 Concen: 11.960 ppbv
 RT: 7.94 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 88 Resp: 367116
 Ion Ratio Lower Upper
 88 100
 58 135.2 100.0 150.0
 43 285.9 184.7 277.1#
 57 1300.3 826.8 1240.2#





#41

Tetrahydrofuran

Concen: 14.575 ppbv

RT: 6.14 min Scan# 995

Delta R.T. -0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

ClientSampled :

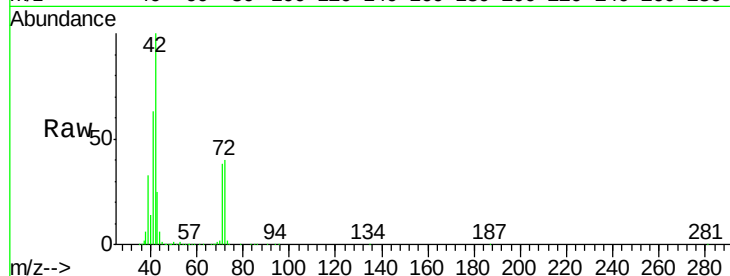
Tot Ion: 42 Resp: 1076239

Ion Ratio Lower Upper

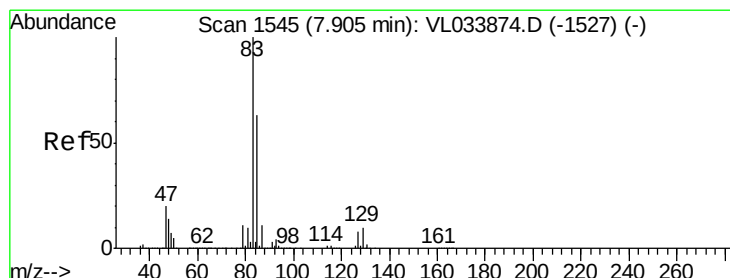
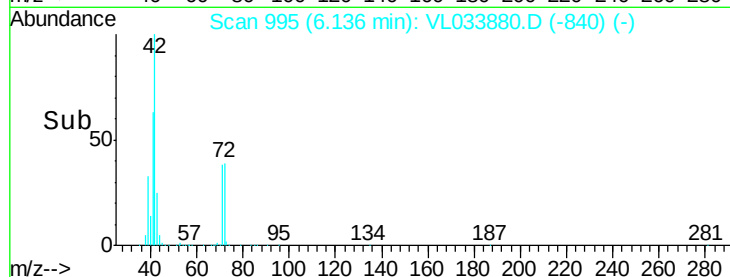
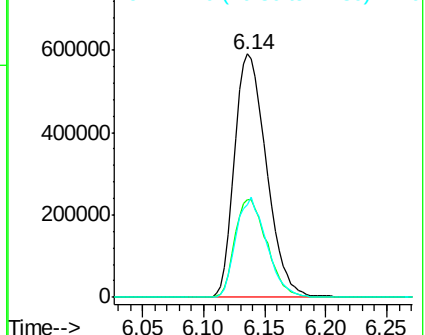
42 100

72 40.6 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: 15.215 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

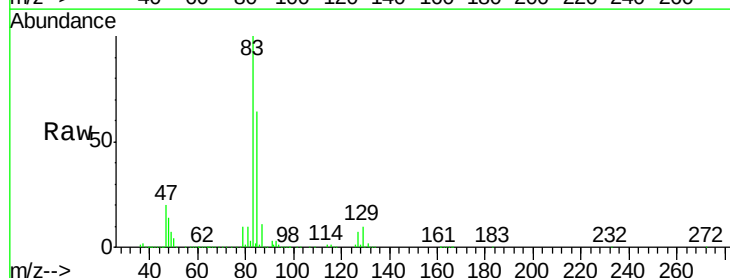
Tgt Ion: 83 Resp: 2655329

Ion Ratio Lower Upper

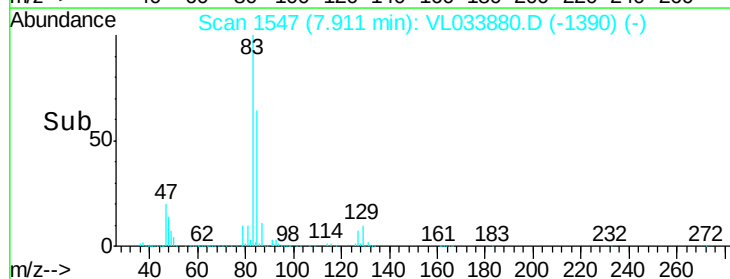
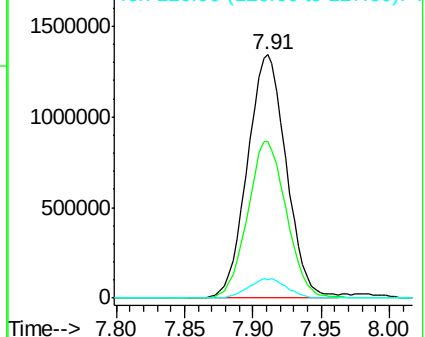
83 100

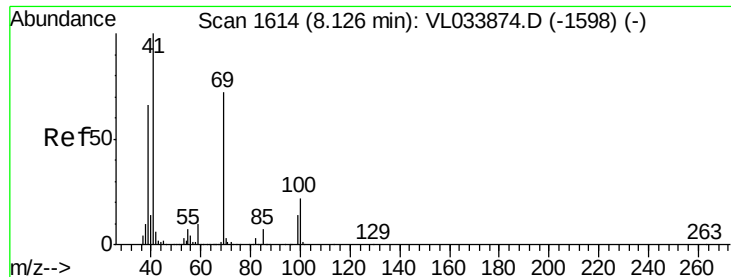
85 64.5 50.2 75.2

127 7.5 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

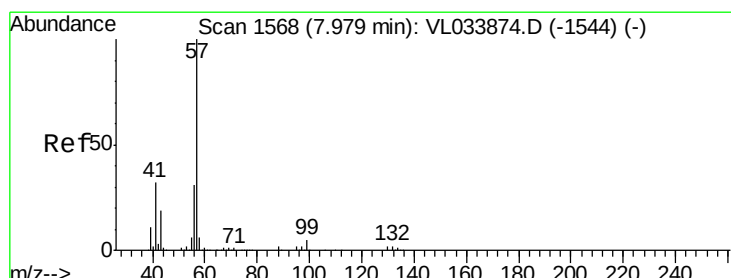
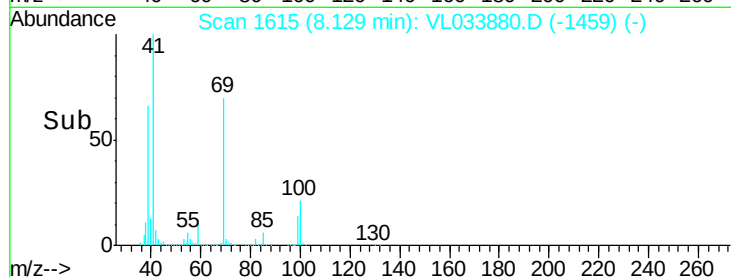
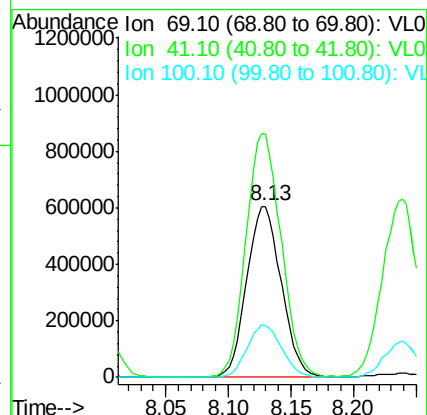
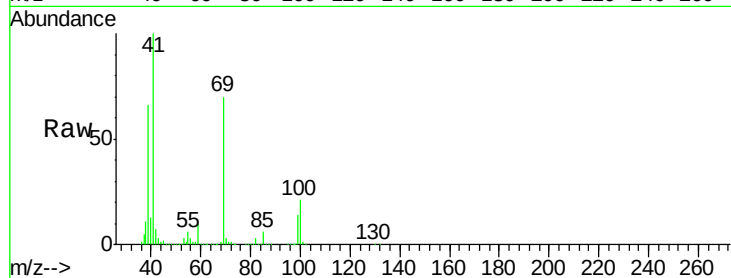




#43
Methyl Methacrylate
Concen: 16.097 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

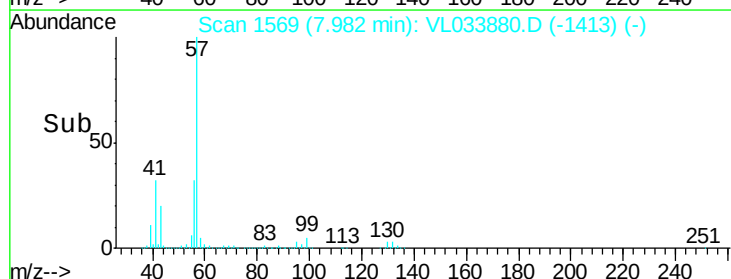
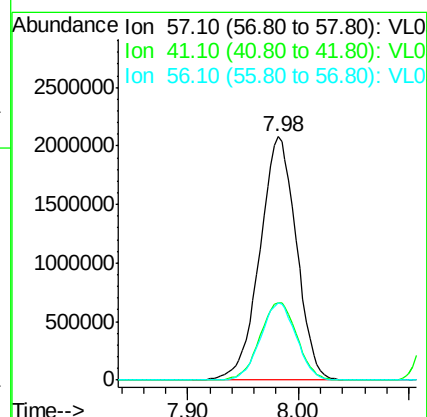
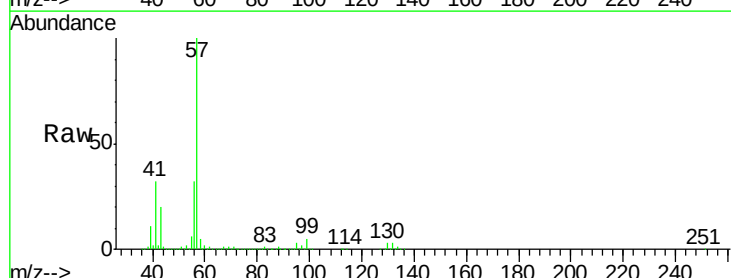
Instrument :
MSVOA_L
ClientSampled :

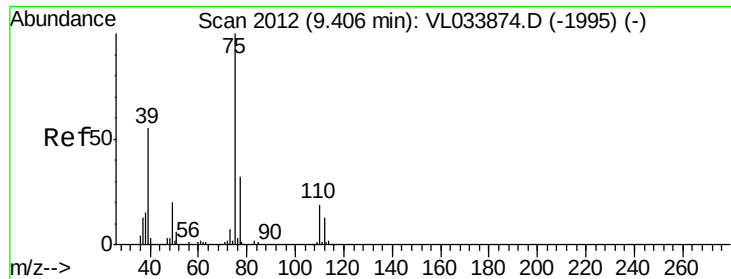
Tot Ion: 69 Resp: 1159866
Ion Ratio Lower Upper
69 100
41 145.3 114.3 171.5
100 30.7 24.8 37.2



#44
2,2,4-Trimethylpentane
Concen: 14.417 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion: 57 Resp: 4767126
Ion Ratio Lower Upper
57 100
41 32.4 26.1 39.1
56 31.2 24.6 36.8

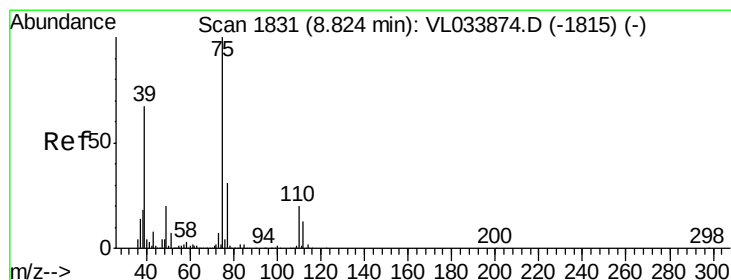
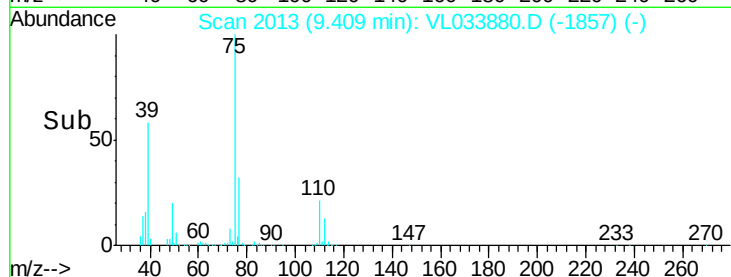
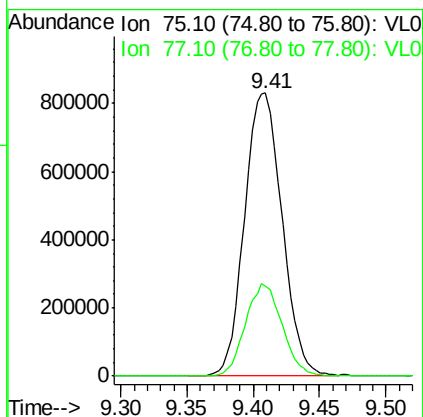
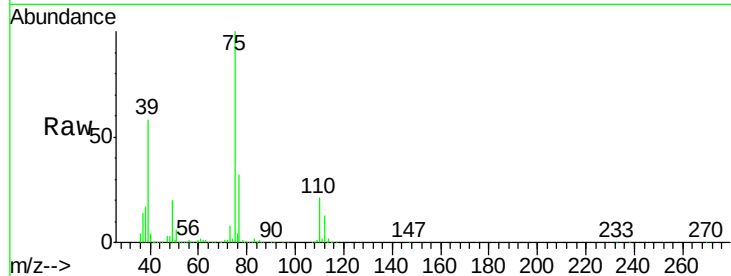




#45
 t-1,3-Dichloropropene
 Concen: 17.973 ppbv
 RT: 9.41 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

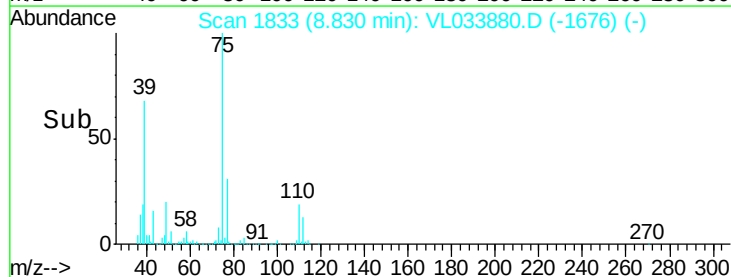
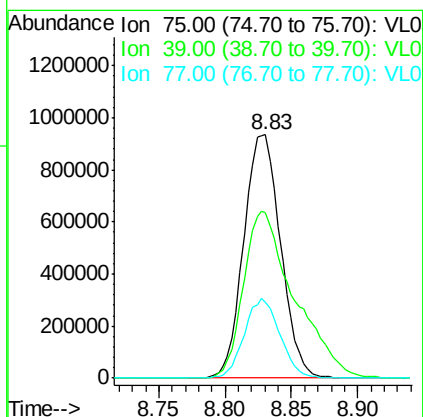
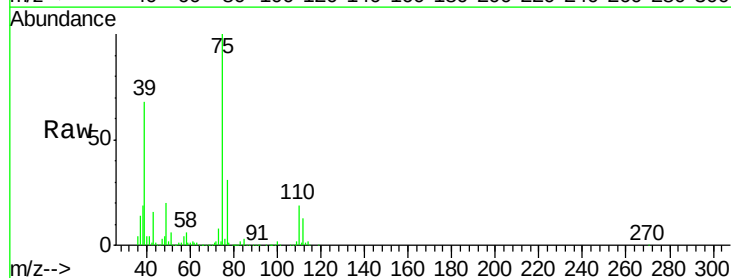
Instrument :
 MSVOA_L
 ClientSampleId :

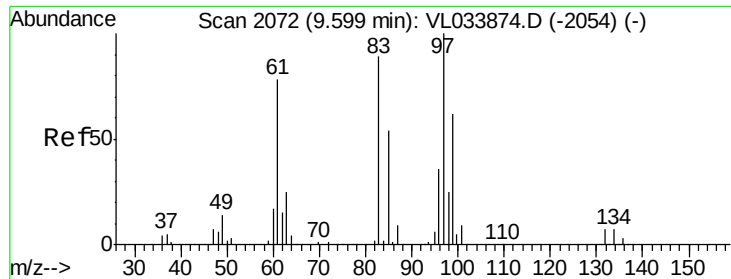
Tot Ion: 75 Resp: 1639924
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 17.035 ppbv
 RT: 8.83 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 75 Resp: 1812717
 Ion Ratio Lower Upper
 75 100
 39 67.8 53.8 80.8
 77 31.1 24.6 36.8



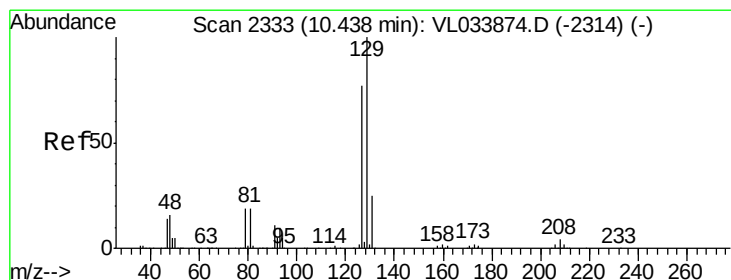
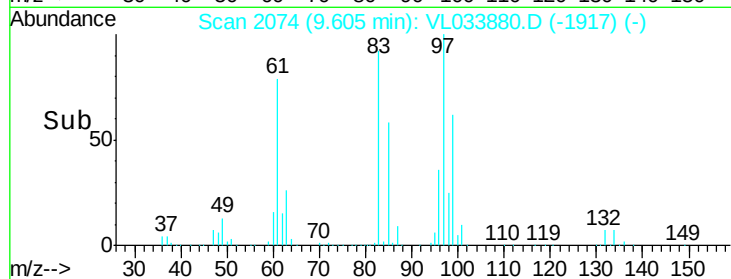
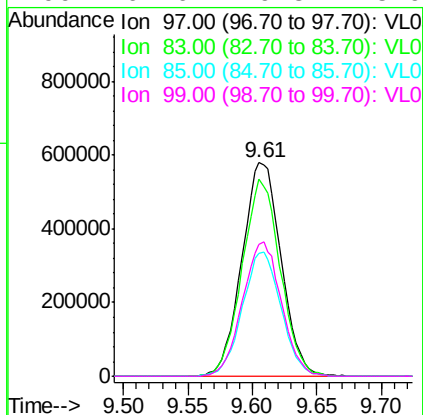
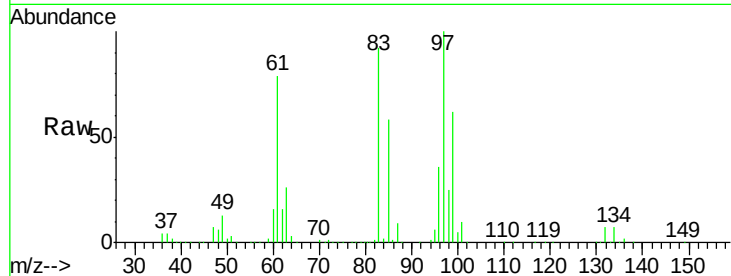


#47
 1,1,2-Trichloroethane
 Concen: 14.713 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1226359

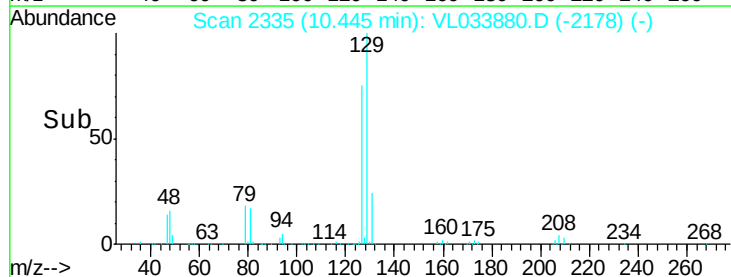
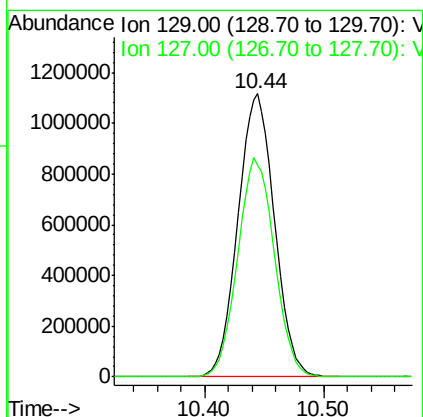
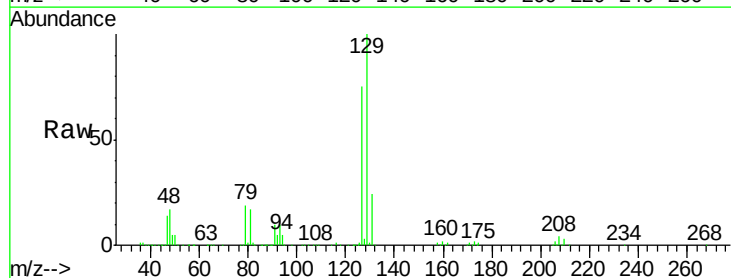
Ion	Ratio	Lower	Upper
97	100		
83	92.0	70.9	106.3
85	57.6	43.0	64.6
99	61.6	49.3	73.9

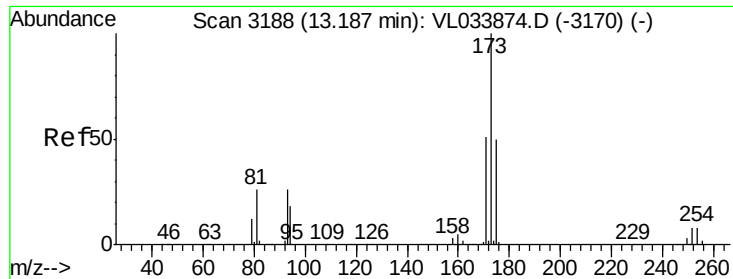


#48
 Dibromochloromethane
 Concen: 16.382 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. 0.01 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 129 Resp: 2376797

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7





#49

Bromoform

Concen: 17.774 ppbv

RT: 13.19 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

ClientSampleId :

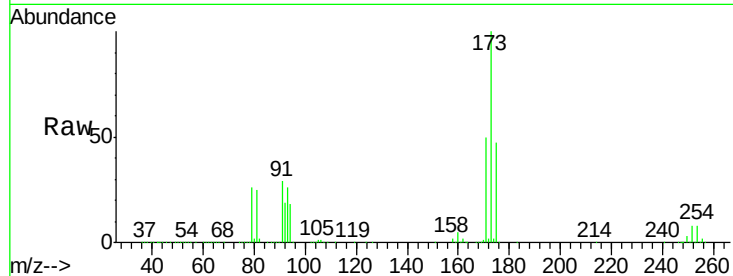
Tot Ion:173 Resp: 2210869

Ion Ratio Lower Upper

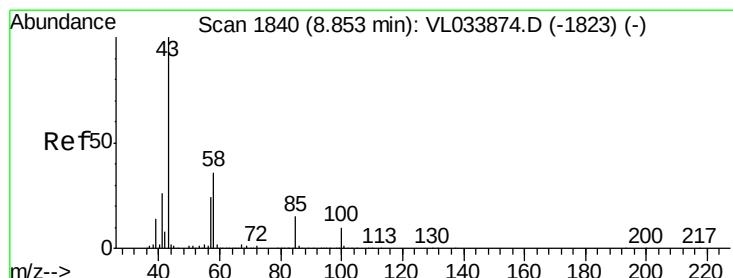
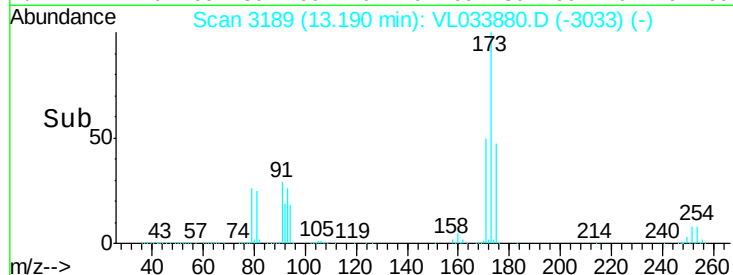
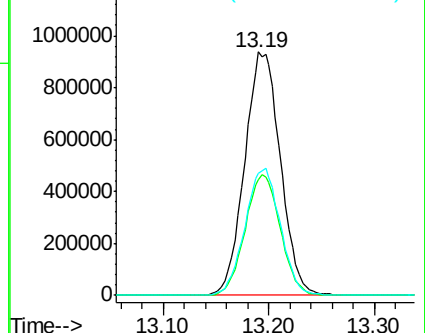
173 100

175 49.1 39.6 59.4

171 51.4 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: 15.346 ppbv

RT: 8.86 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VL033880.D

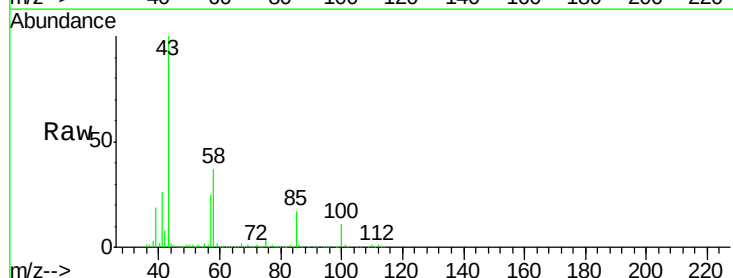
Acq: 7 Jun 2019 5:54

Tgt Ion: 43 Resp: 3140559

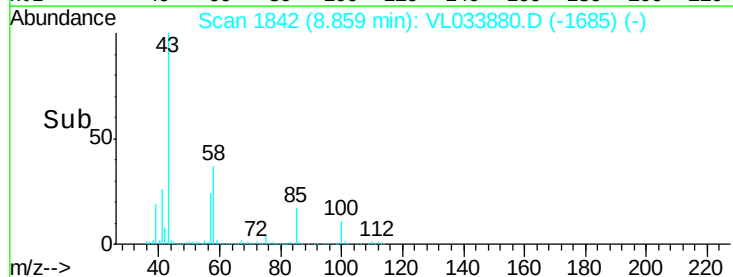
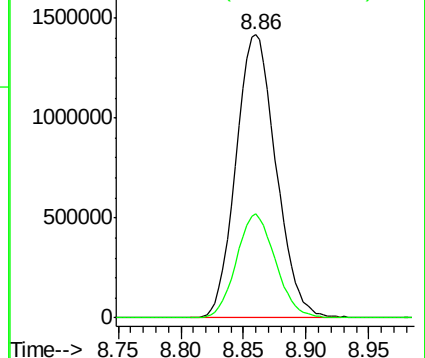
Ion Ratio Lower Upper

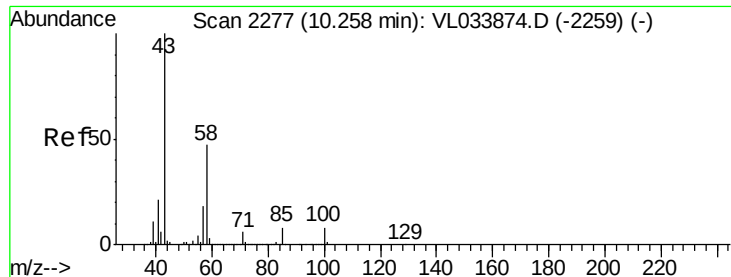
43 100

58 36.0 28.6 42.8



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

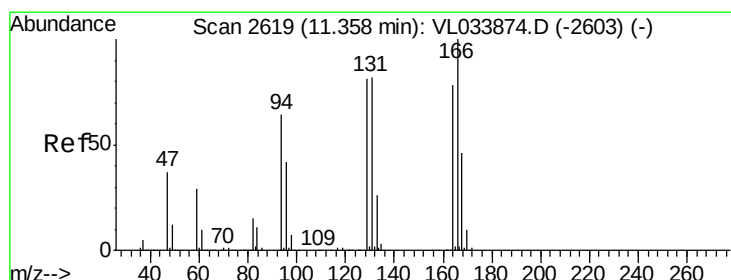
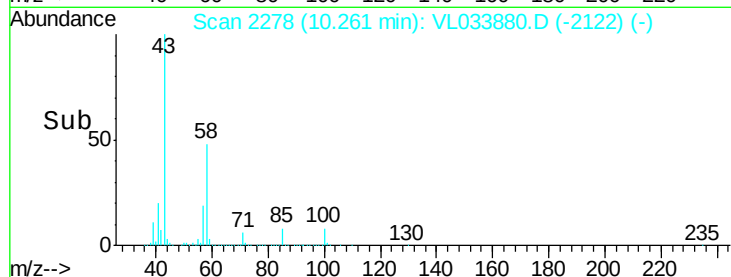
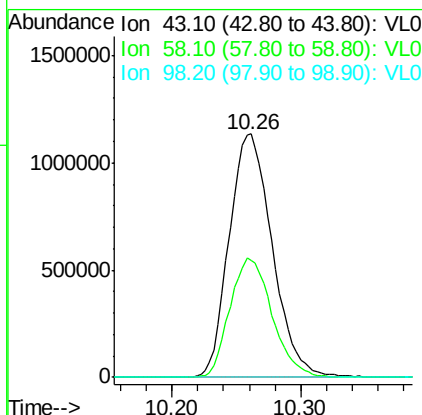
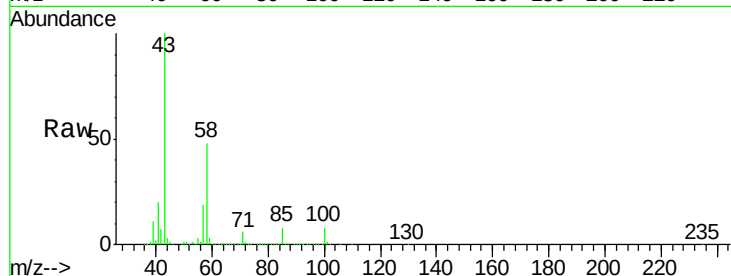




#51
2-Hexanone
Concen: 16.422 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

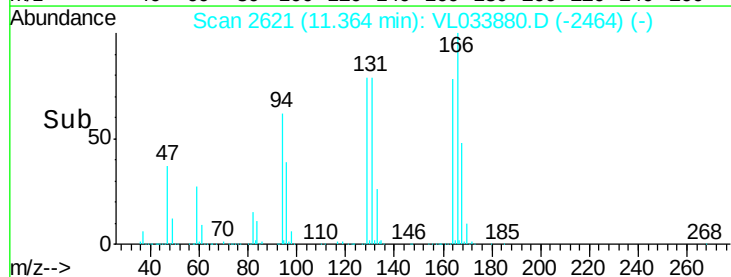
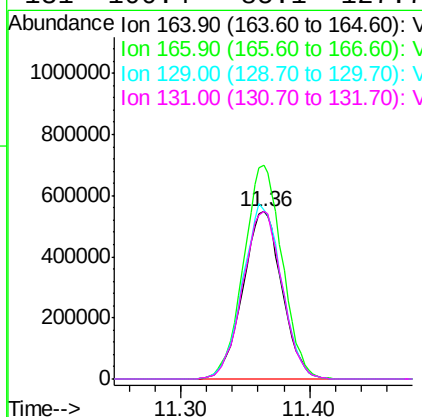
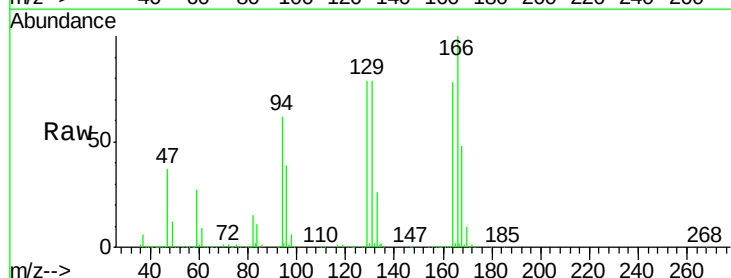
Instrument :
MSVOA_L
ClientSampleId :

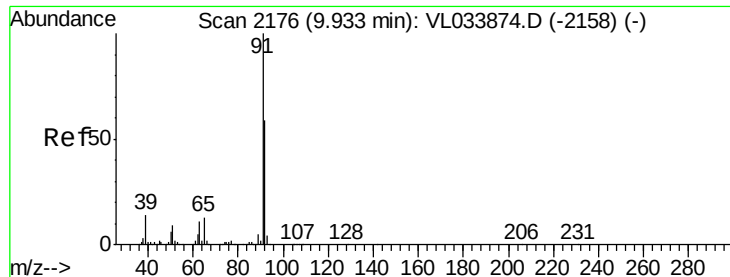
Tot Ion: 43 Resp: 2623939
Ion Ratio Lower Upper
43 100
58 48.5 38.2 57.4
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 16.610 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion:164 Resp: 1148397
Ion Ratio Lower Upper
164 100
166 127.8 103.1 154.7
129 101.4 83.9 125.9
131 100.4 85.1 127.7





#53

Toluene

Concen: 16.216 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

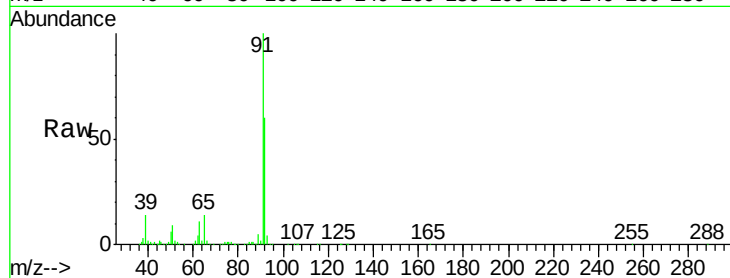
ClientSampleId :

Tot Ion: 91 Resp: 3423445

Ion Ratio Lower Upper

91 100

92 59.4 47.0 70.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

2000000

1500000

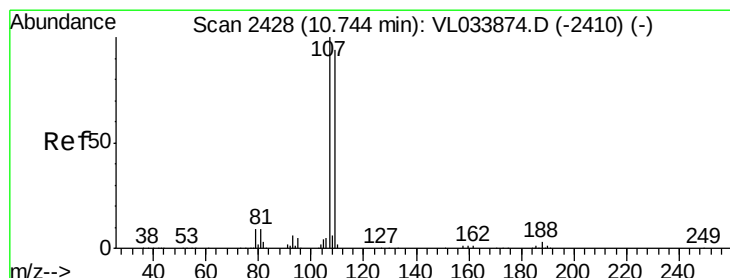
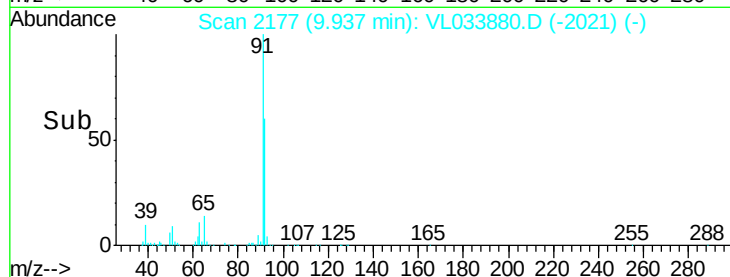
1000000

500000

0

9.90 9.94 10.00

Time-->



#54

1,2-Dibromoethane

Concen: 15.553 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. 0.01 min

Lab File: VL033880.D

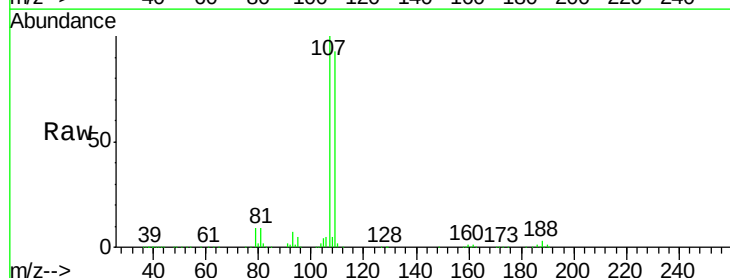
Acq: 7 Jun 2019 5:54

Tgt Ion: 107 Resp: 1974803

Ion Ratio Lower Upper

107 100

109 92.6 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

1000000

800000

600000

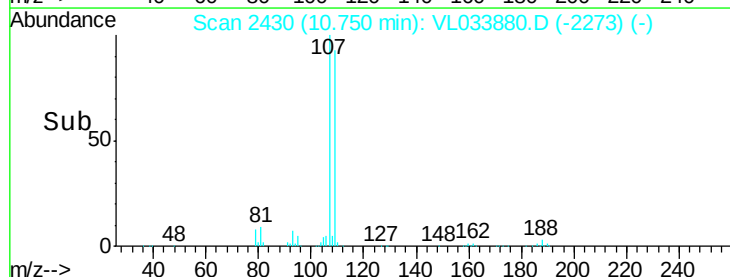
400000

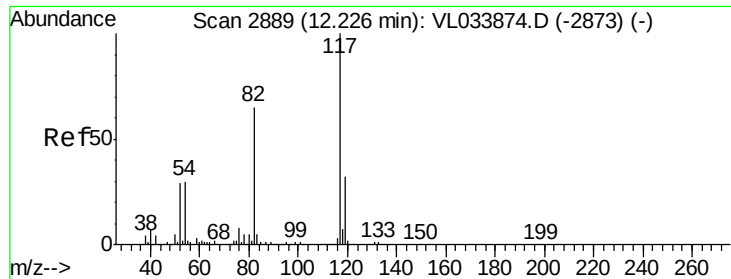
200000

0

10.70 10.75 10.80

Time-->

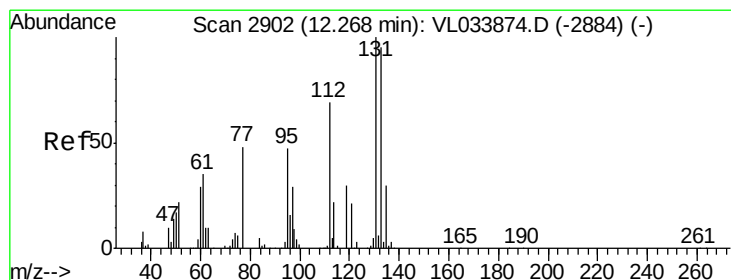
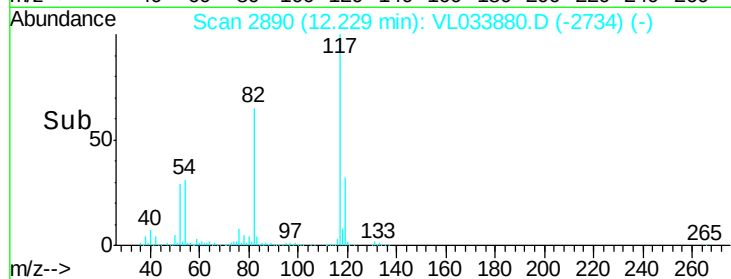
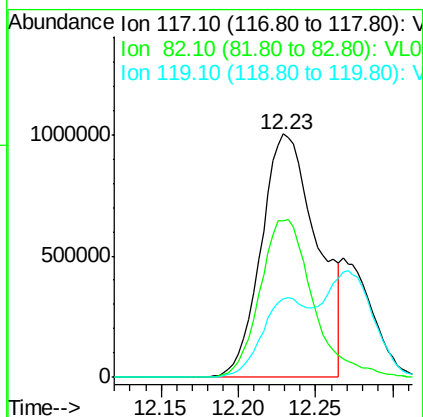
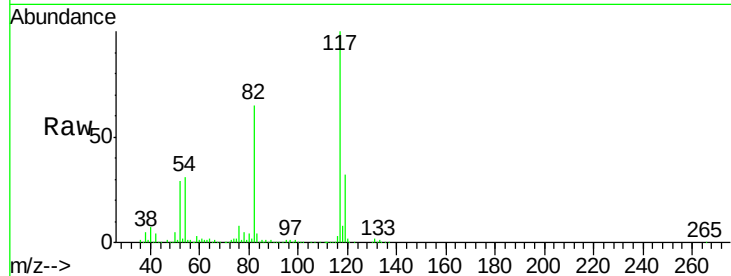




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

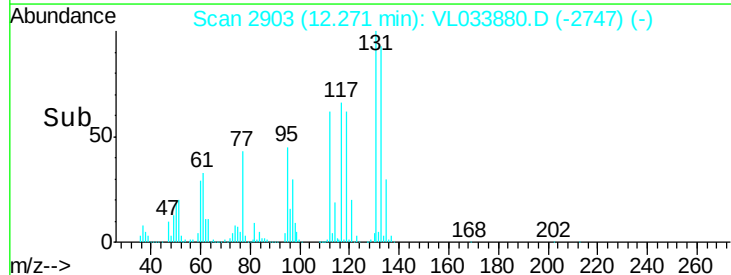
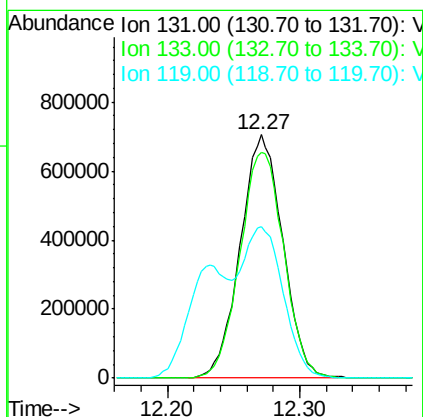
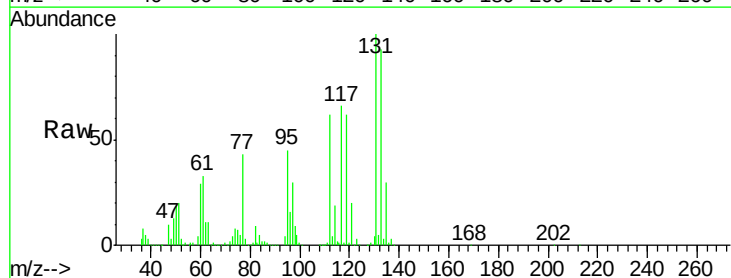
Instrument :
MSVOA_L
ClientSampled :

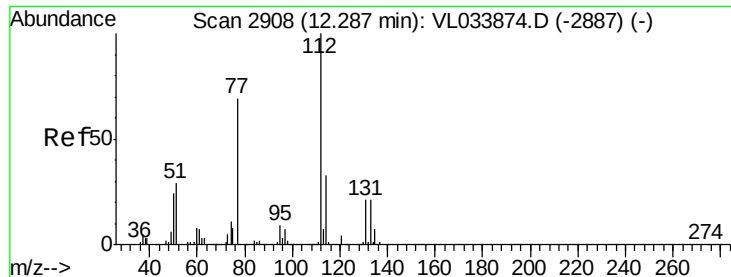
Tot Ion:117 Resp: 2515890
Ion Ratio Lower Upper
117 100
82 61.8 50.2 75.2
119 0.0 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 13.631 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion:131 Resp: 1573875
Ion Ratio Lower Upper
131 100
133 95.9 76.5 114.7
119 106.6 42.6 64.0#

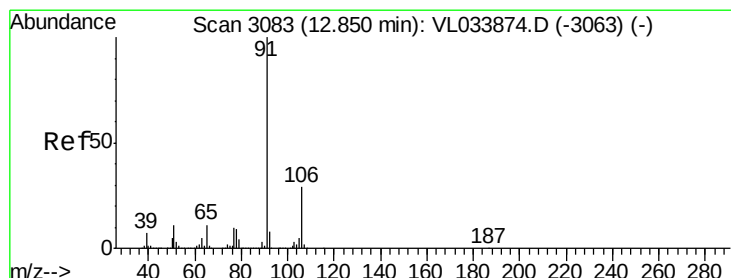
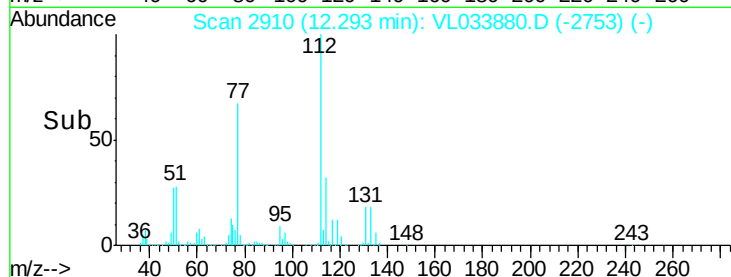
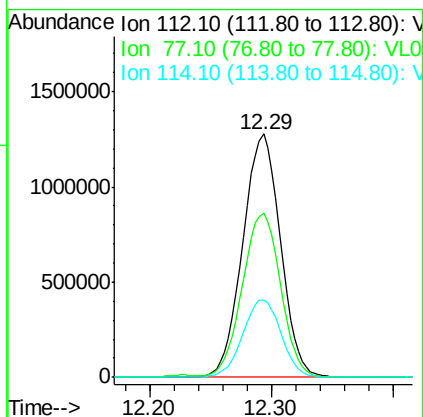
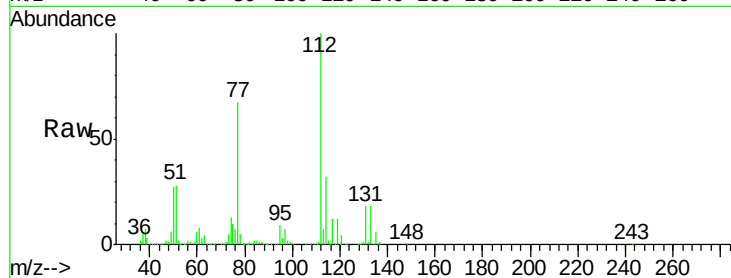




#57
Chlorobenzene
Concen: 13.299 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

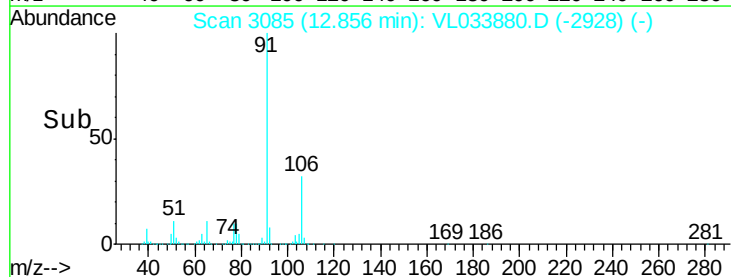
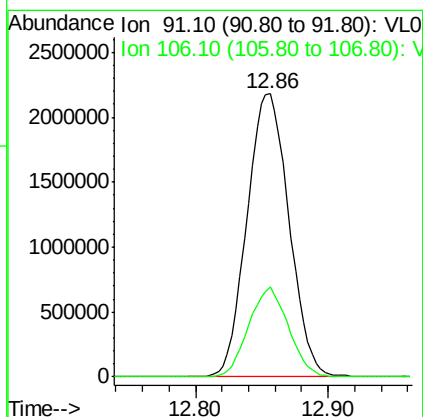
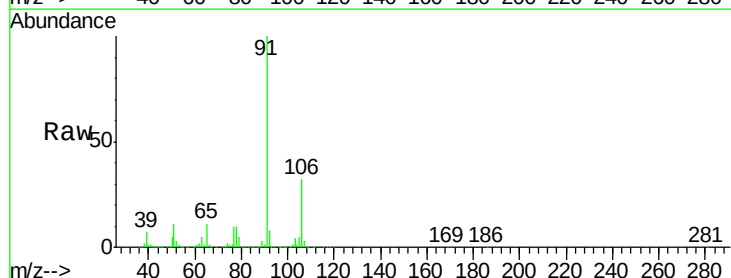
Instrument :
MSVOA_L
ClientSampleId :

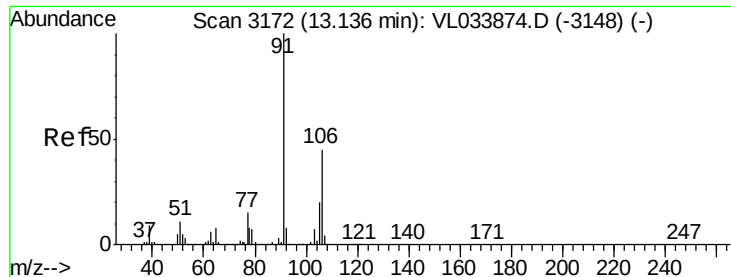
Tot Ion:112 Resp: 2725360
Ion Ratio Lower Upper
112 100
77 67.1 55.8 83.6
114 31.9 29.8 36.4



#58
Ethyl Benzene
Concen: 14.681 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. 0.01 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion: 91 Resp: 4805869
Ion Ratio Lower Upper
91 100
106 31.7 23.0 34.6

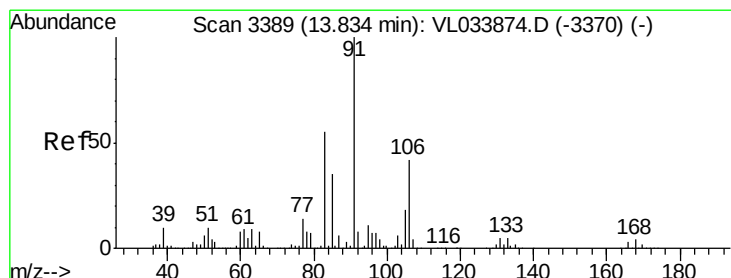
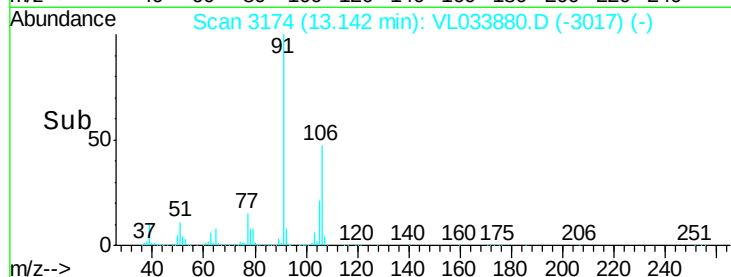
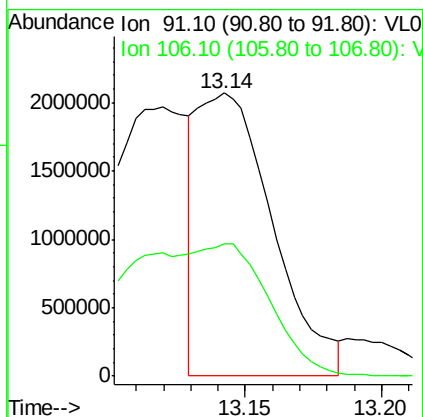
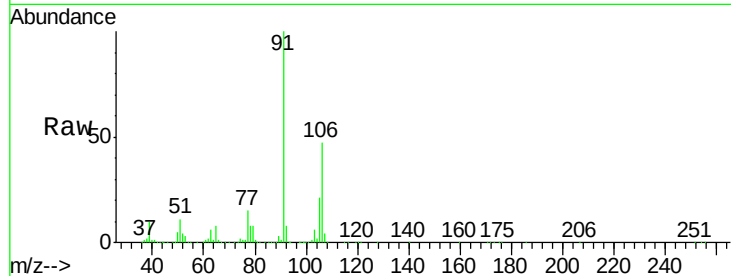




#59
m/p-Xylene
Concen: 13.741 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

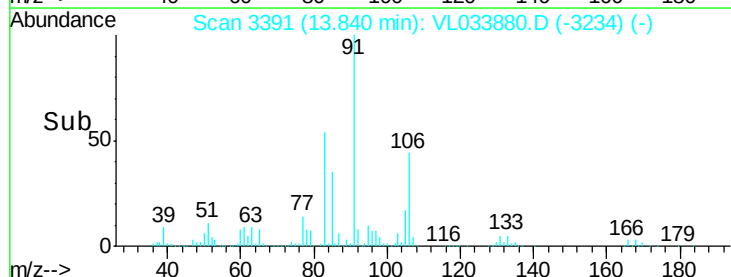
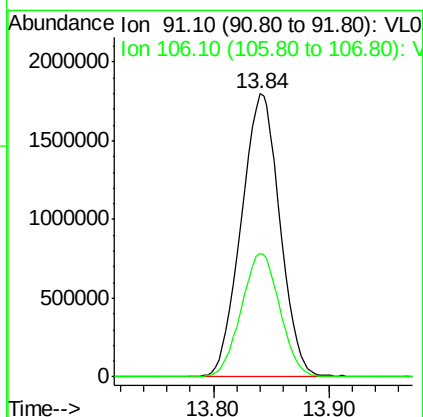
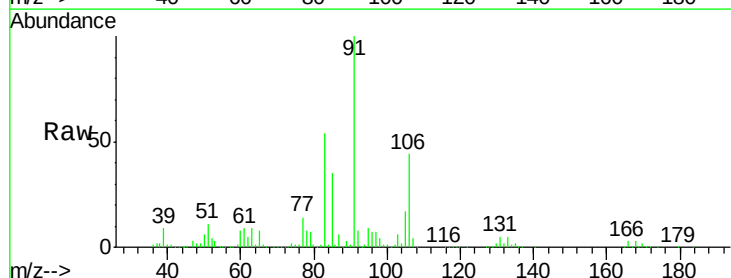
Instrument :
MSVOA_L
ClientSampled :

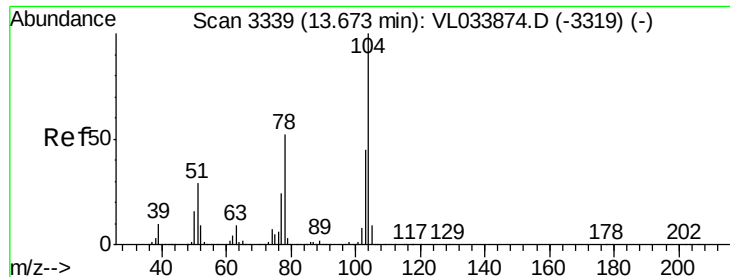
Tot Ion: 91 Resp: 3952802
Ion Ratio Lower Upper
91 100
106 93.5 35.8 53.8#



#60
o-Xylene
Concen: 14.241 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.01 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion: 91 Resp: 4167959
Ion Ratio Lower Upper
91 100
106 43.6 21.7 65.1

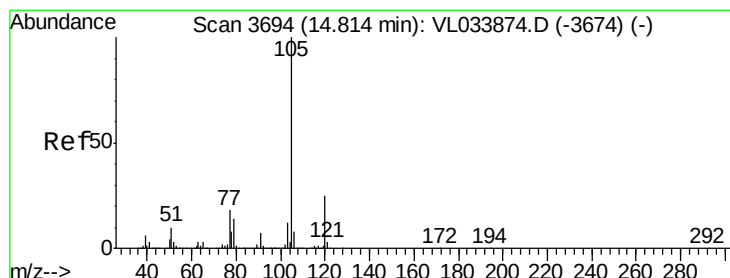
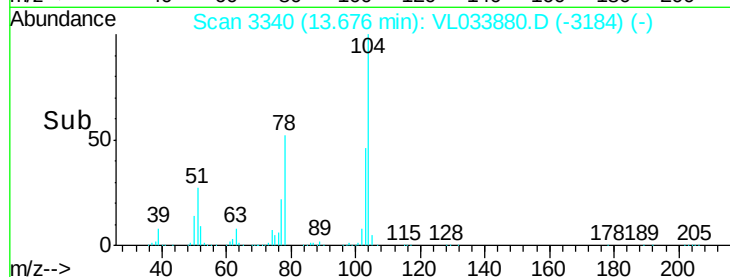
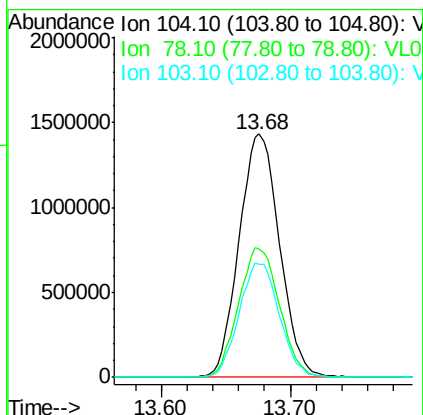
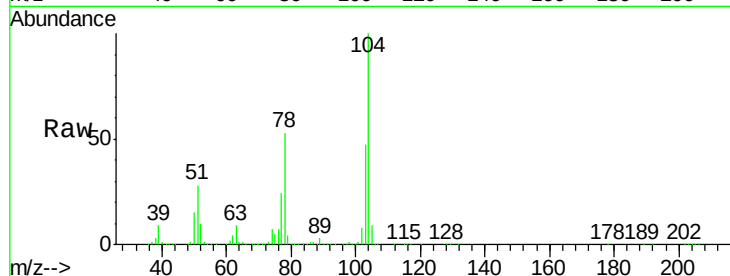




#61
Stvrene
Concen: 16.055 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

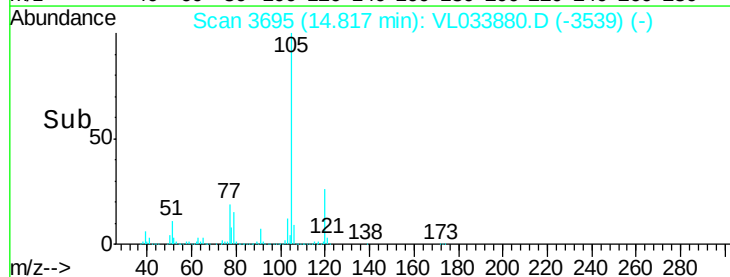
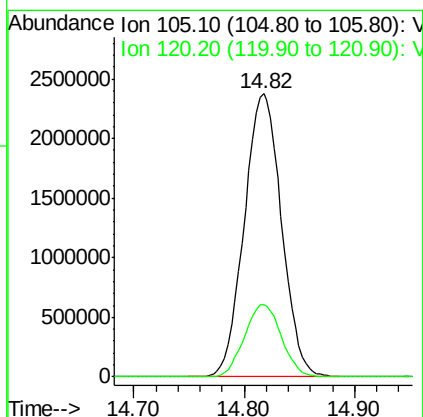
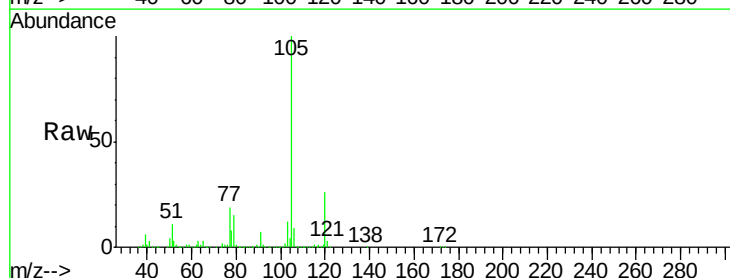
Instrument :
MSVOA_L
ClientSampleId :

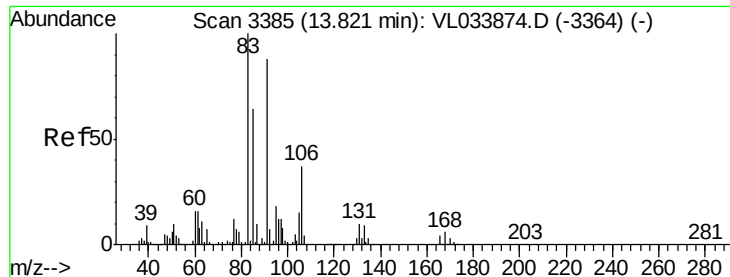
Tot Ion:104 Resp: 3132958
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.0
103 46.8 37.6 56.4



#62
Isopropylbenzene
Concen: 14.098 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VL033880.D
Acq: 7 Jun 2019 5:54

Tgt Ion:105 Resp: 5549656
Ion Ratio Lower Upper
105 100
120 25.5 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 13.863 ppbv

RT: 13.83 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

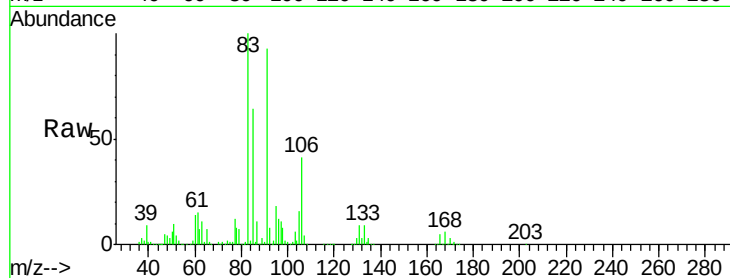
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 2965523

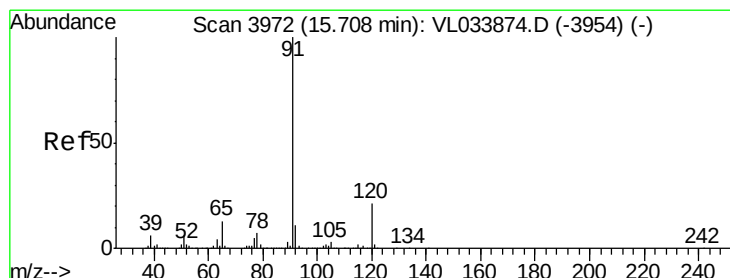
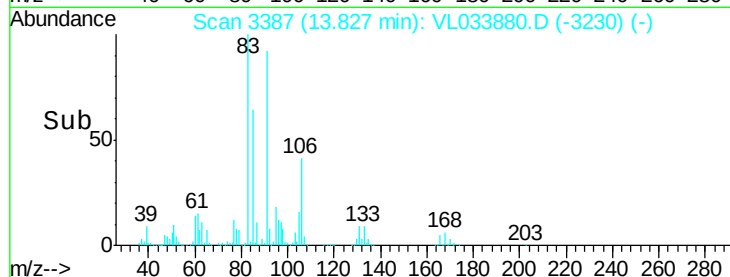
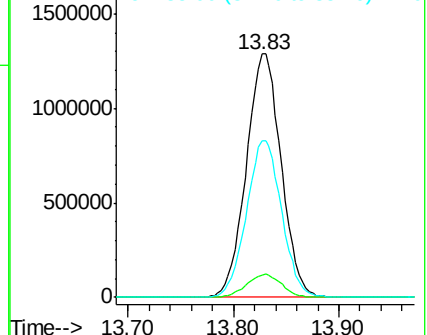
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.9	32.1	96.3



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: 14.416 ppbv

RT: 15.71 min Scan# 3974

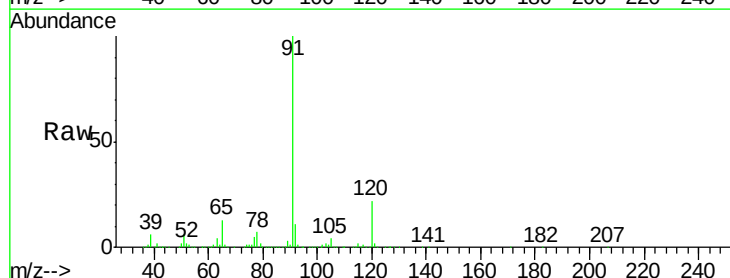
Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

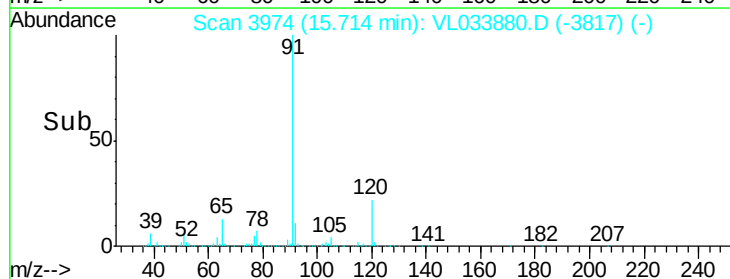
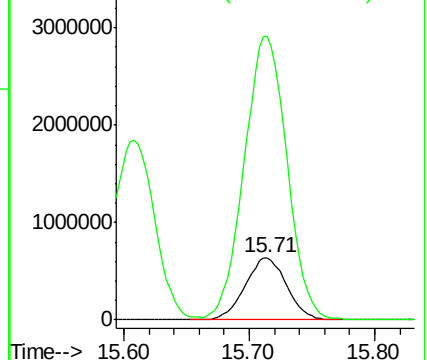
Tgt Ion:120 Resp: 1464990

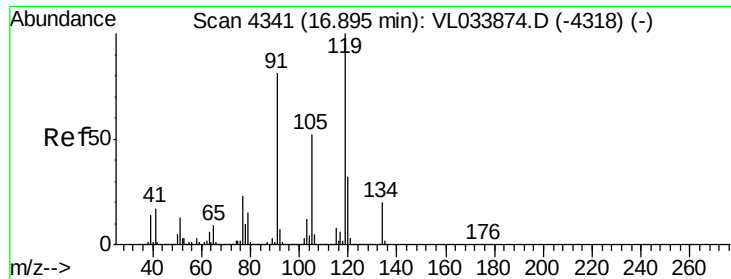
Ion	Ratio	Lower	Upper
120	100		
91	473.0	387.0	580.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 14.670 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

ClientSampleId :

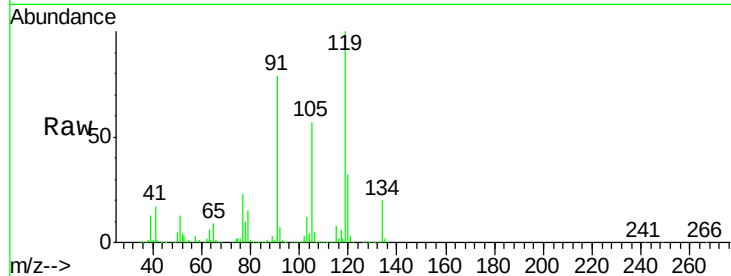
Tot Ion:119 Resp: 5275884

Ion Ratio Lower Upper

119 100

91 82.0 66.6 100.0

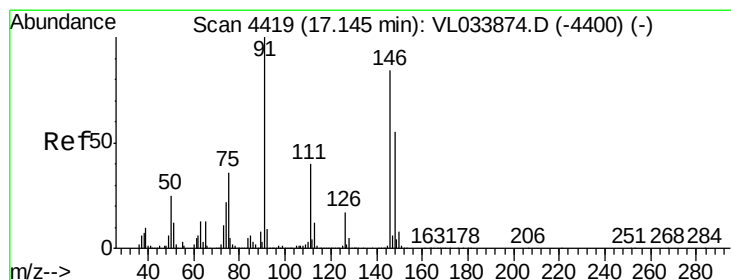
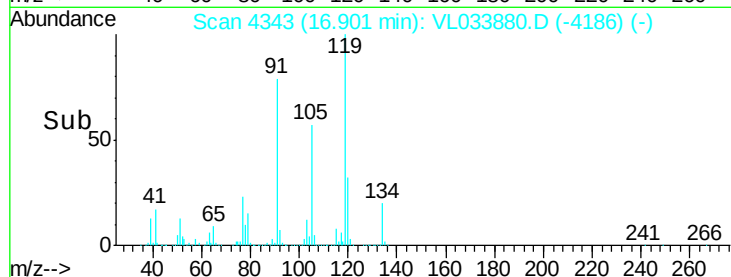
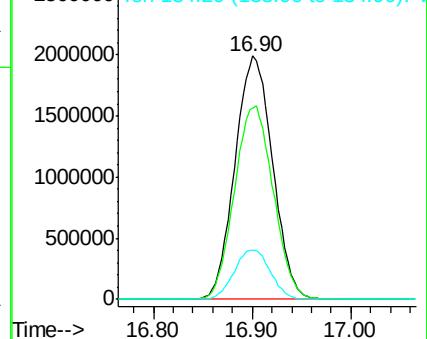
134 19.6 15.5 23.3



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 18.091 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

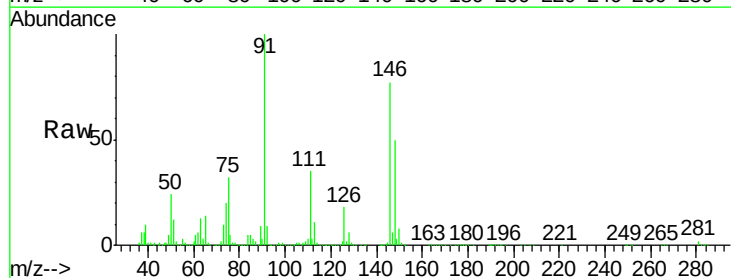
Tgt Ion: 91 Resp: 3104537

Ion Ratio Lower Upper

91 100

126 17.2 13.8 20.6

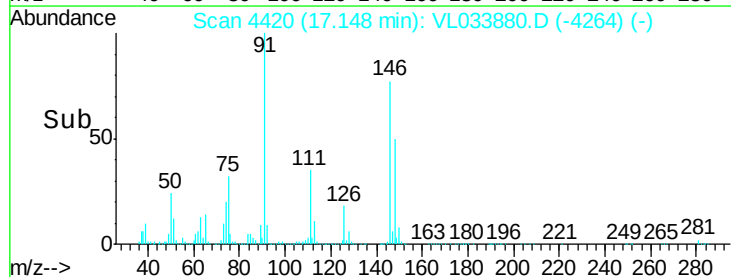
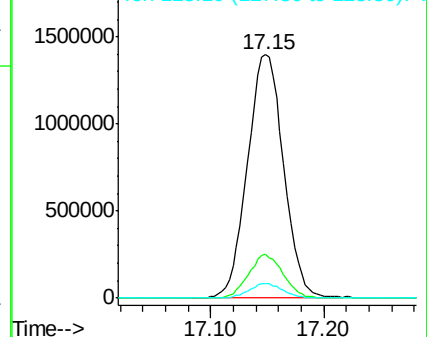
128 5.7 4.4 6.6

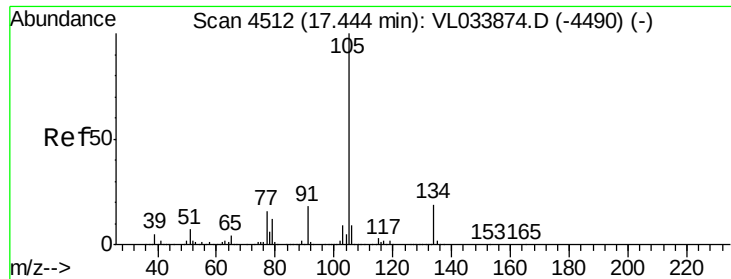


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 14.519 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

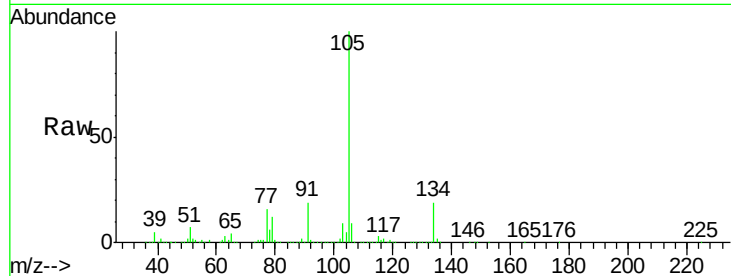
ClientSampleId :

Tot Ion:105 Resp: 7317921

Ion Ratio Lower Upper

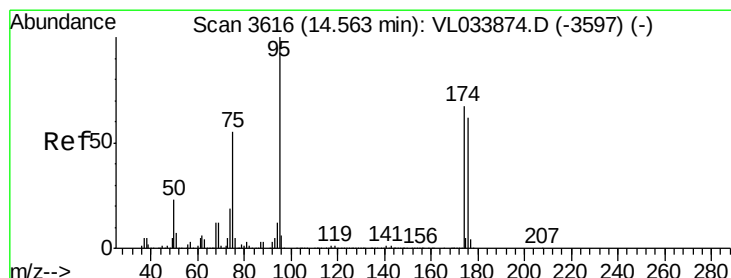
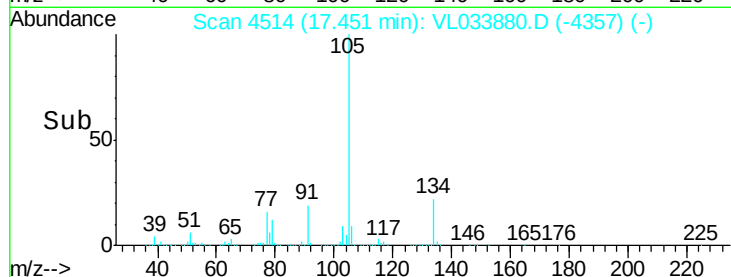
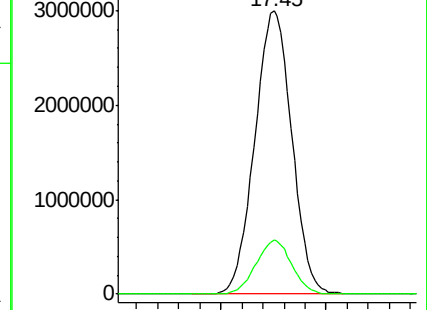
105 100

134 18.5 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.316 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

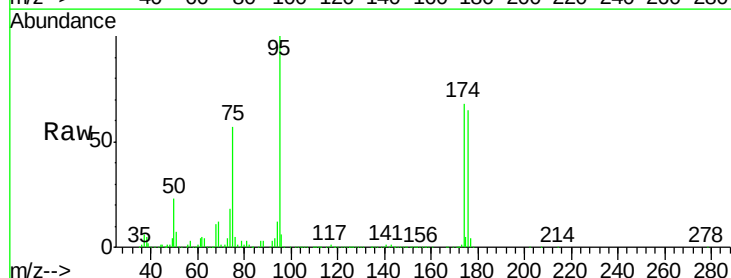
Tgt Ion: 95 Resp: 1896197

Ion Ratio Lower Upper

95 100

174 67.4 54.0 81.0

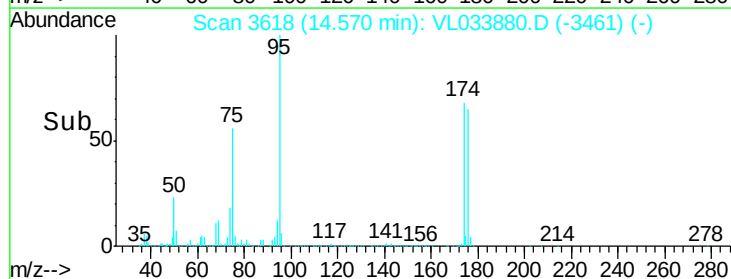
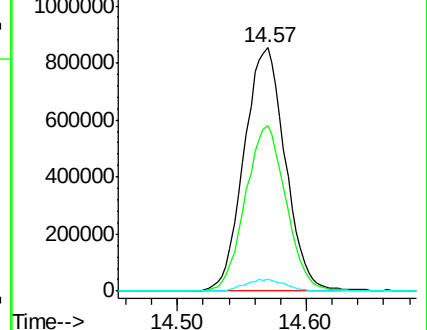
175 4.8 3.8 5.8

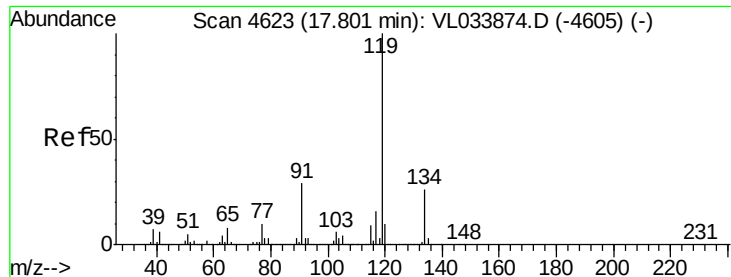


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

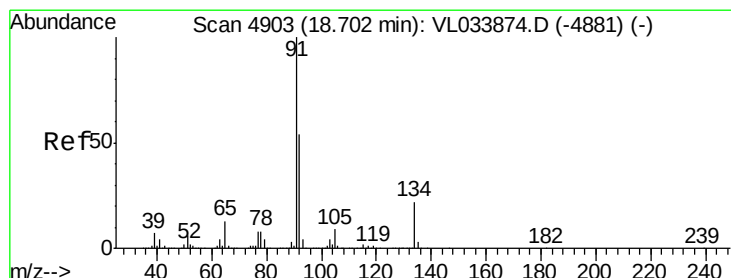
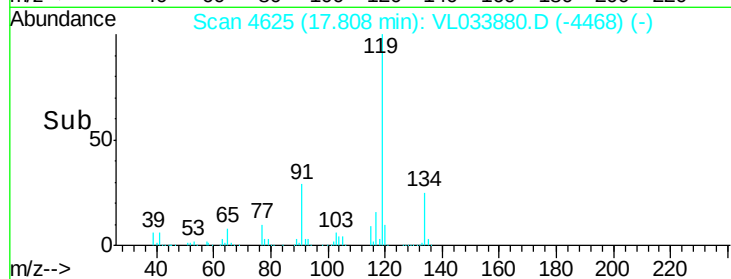
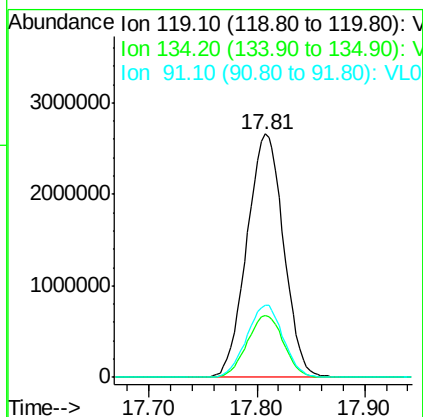
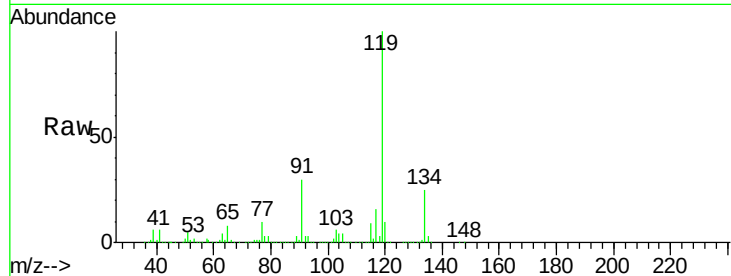




#69
 p-Isopropyltoluene
 Concen: 15.066 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. 0.01 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

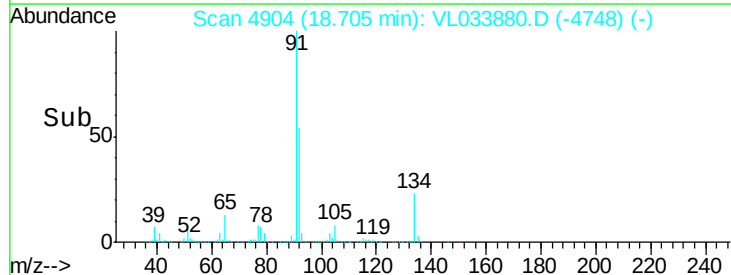
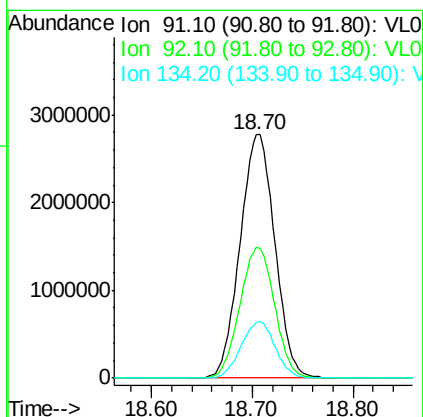
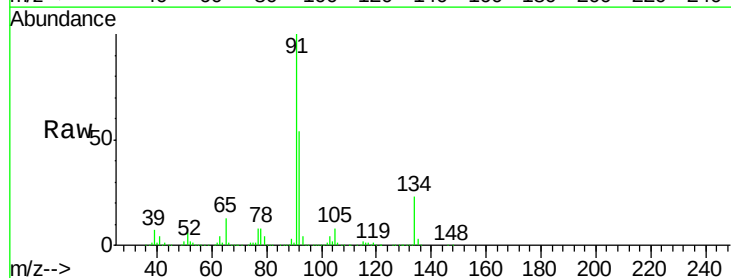
Instrument :
 MSVOA_L
 ClientSampleId :

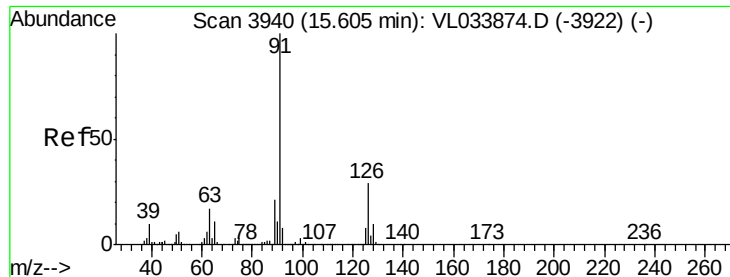
Tot Ion:119 Resp: 6281166
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 29.6 23.8 35.6



#70
 n-Butylbenzene
 Concen: 14.774 ppbv
 RT: 18.70 min Scan# 4904
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion: 91 Resp: 6620386
 Ion Ratio Lower Upper
 91 100
 92 53.8 42.5 63.7
 134 22.7 17.8 26.6





#71

2-Chlorotoluene

Concen: 14.764 ppbv

RT: 15.61 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

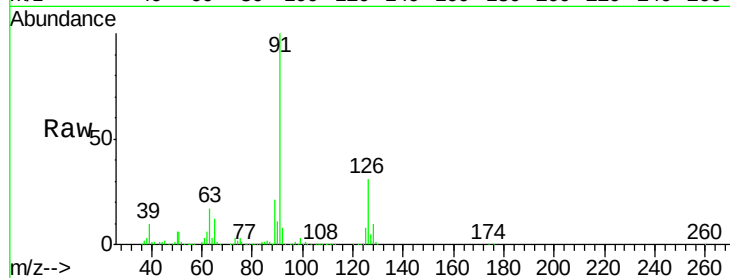
ClientSampleId :

Tot Ion: 91 Resp: 4307469

Ion Ratio Lower Upper

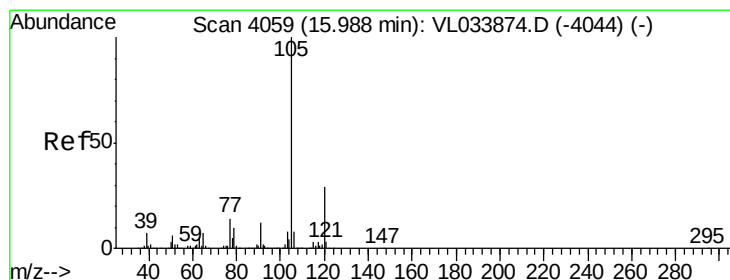
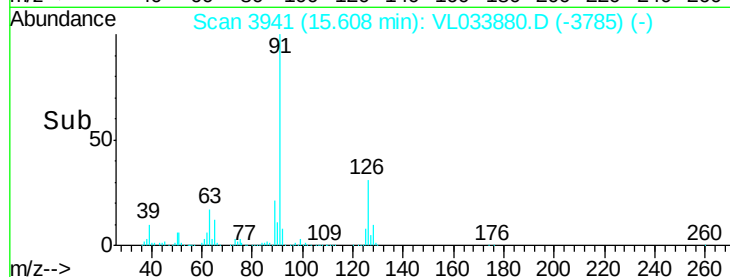
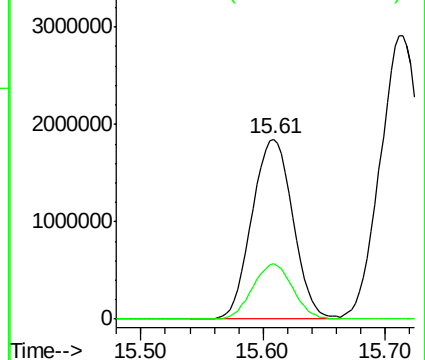
91 100

126 30.2 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: 15.107 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Tgt Ion:105 Resp: 5049399

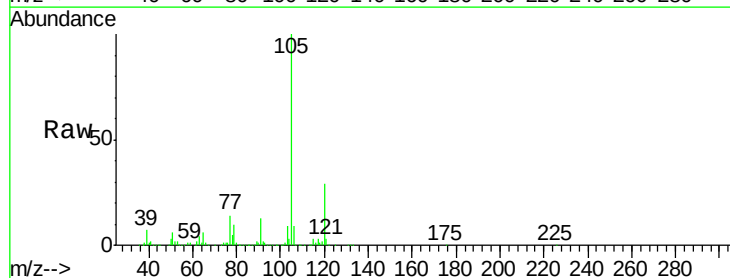
Ion Ratio Lower Upper

105 100

120 29.9 23.5 35.3

91 13.4 10.4 15.6

77 14.0 11.7 17.5

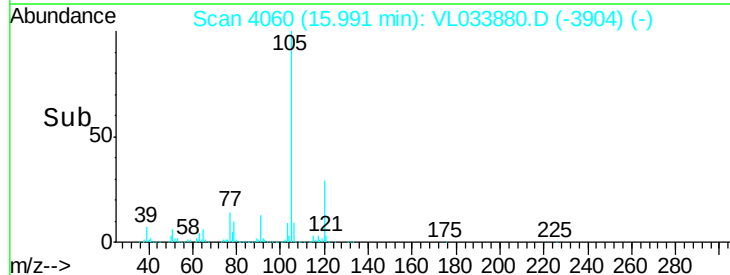
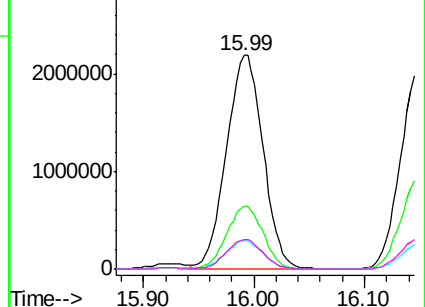


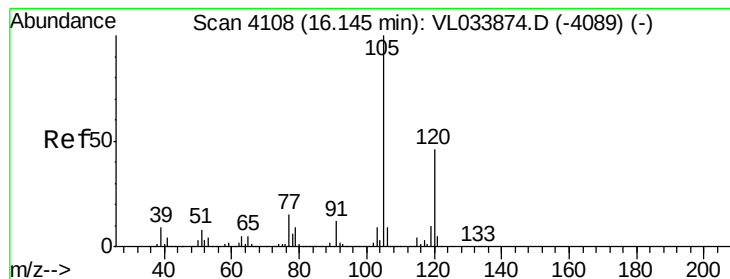
Abundance Ion 105.10 (104.80 to 105.80): V

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: 14.742 ppbv

RT: 16.15 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

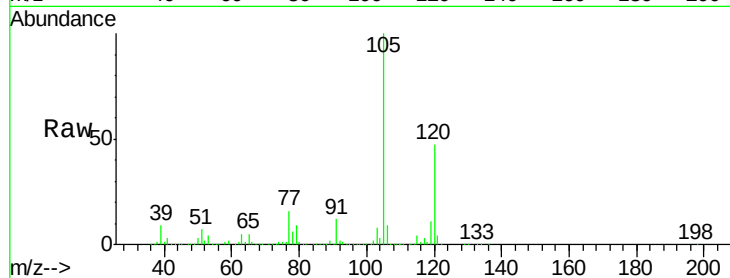
ClientSampleId :

Tot Ion:105 Resp: 4818743

Ion Ratio Lower Upper

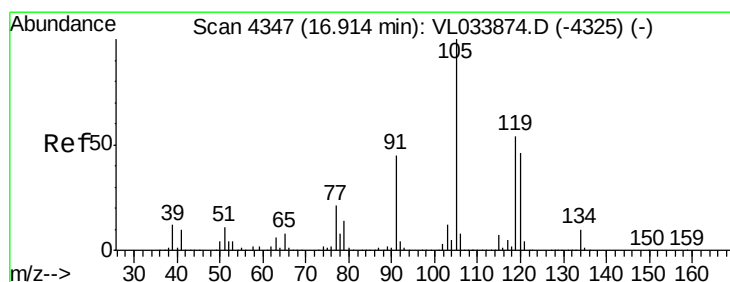
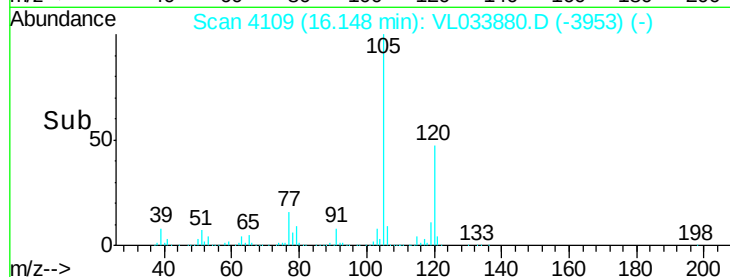
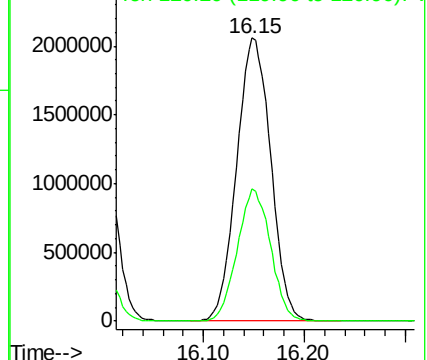
105 100

120 47.0 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: 14.419 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Tgt Ion:105 Resp: 5142118

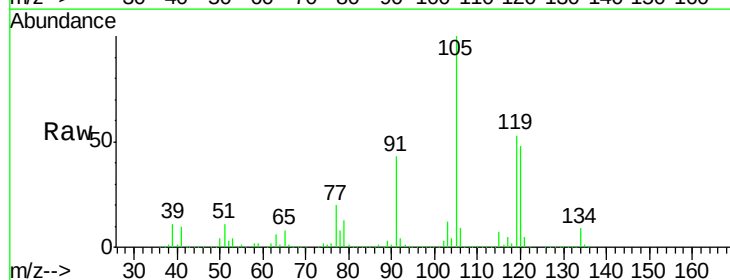
Ion Ratio Lower Upper

105 100

120 47.9 36.7 55.1

91 42.7 35.8 53.8

77 20.3 16.9 25.3

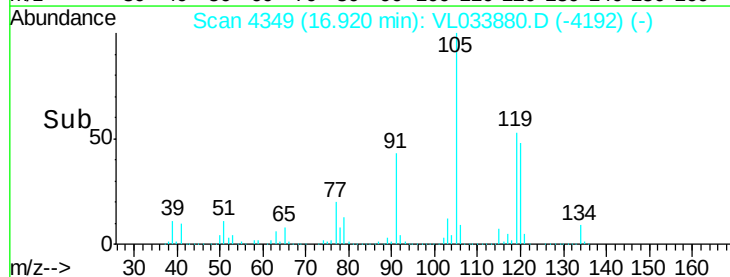
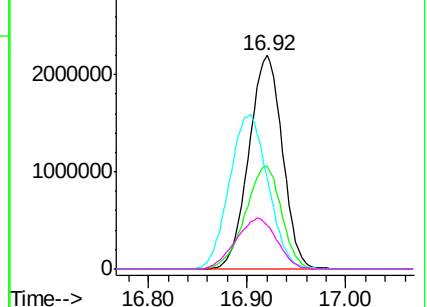


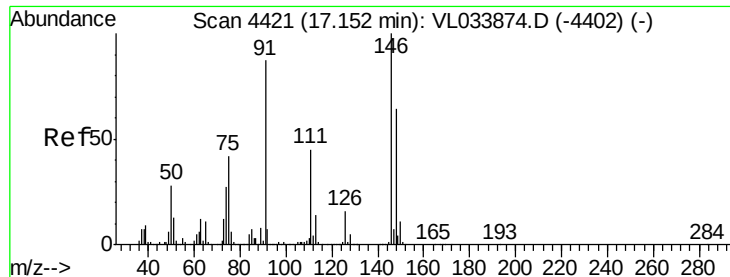
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 14.019 ppbv

RT: 17.16 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

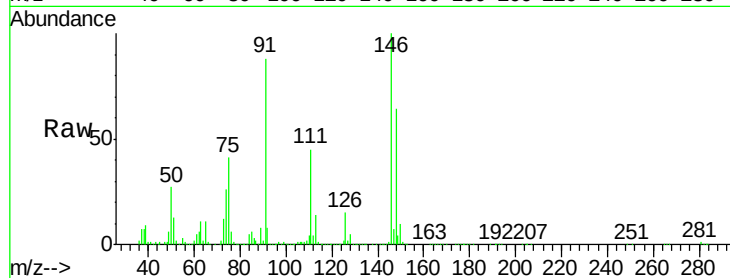
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3068900

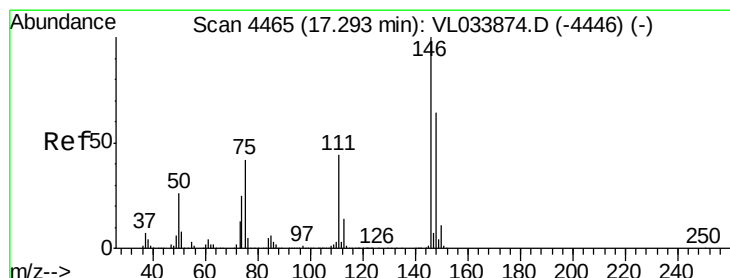
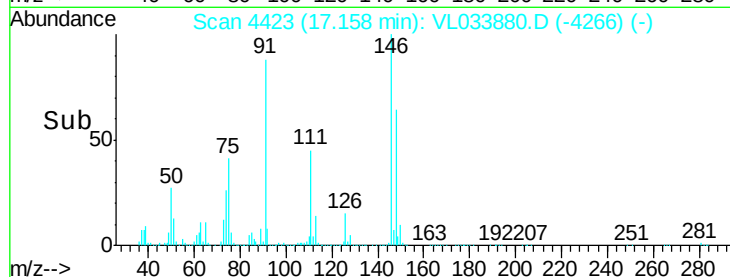
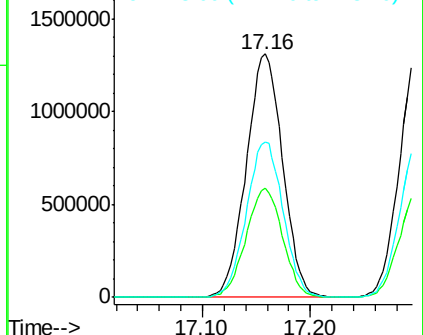
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.8	68.3
148	64.5	32.2	96.6



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: 14.692 ppbv

RT: 17.30 min Scan# 4467

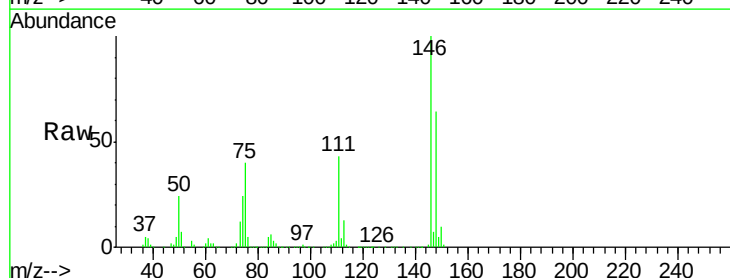
Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Tgt Ion:146 Resp: 3050687

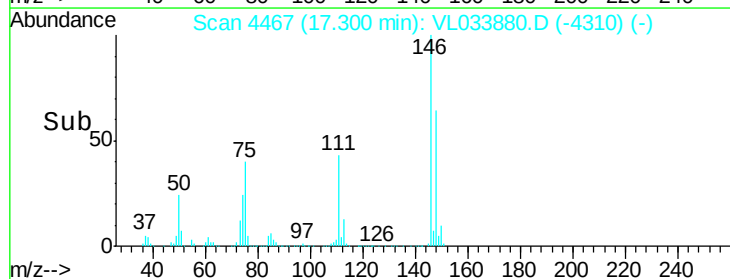
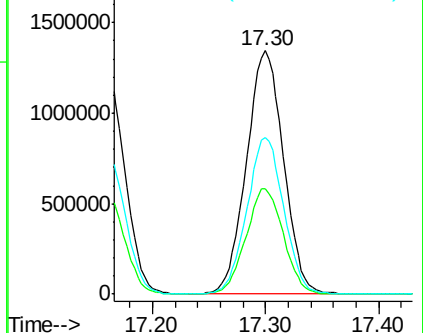
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.5
148	64.5	32.4	97.0

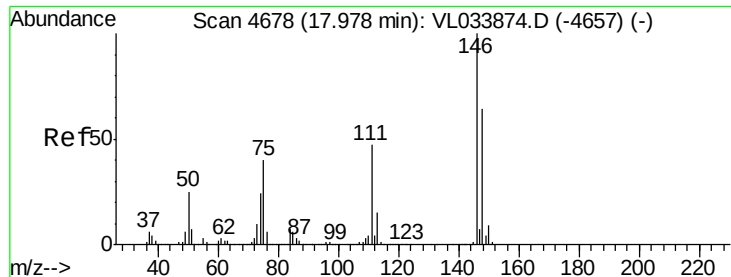


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

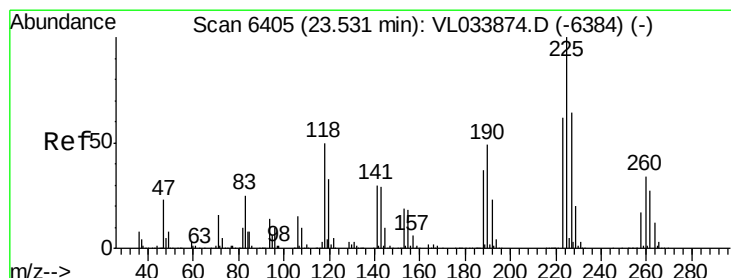
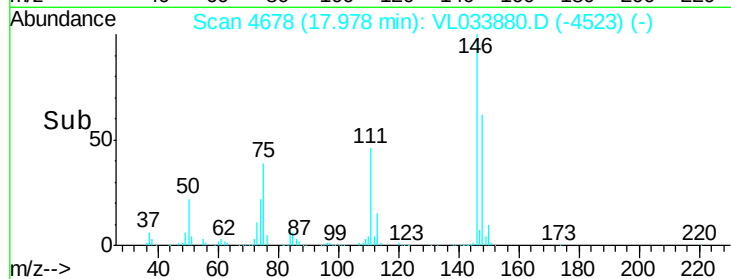
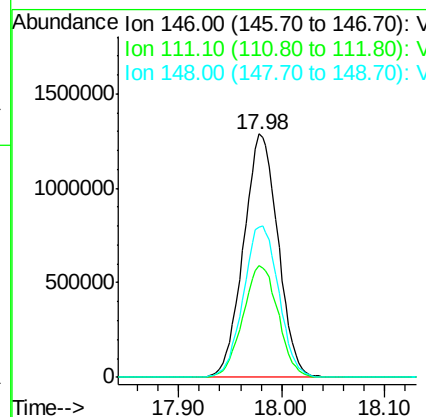
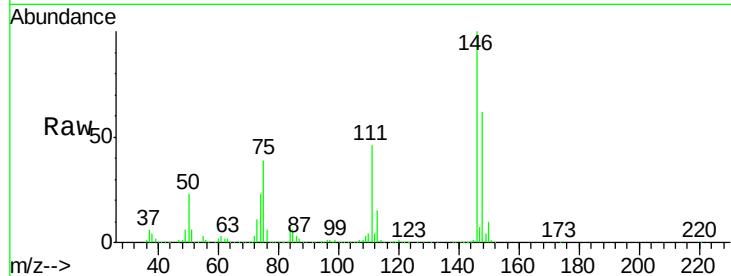




#77
 1,2-Dichlorobenzene
 Concen: 14.519 ppbv
 RT: 17.98 min Scan# 4678
 Delta R.T. -0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

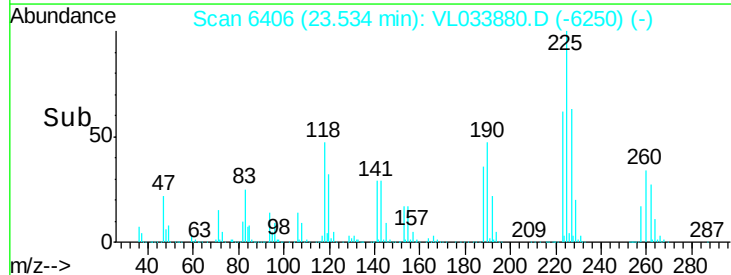
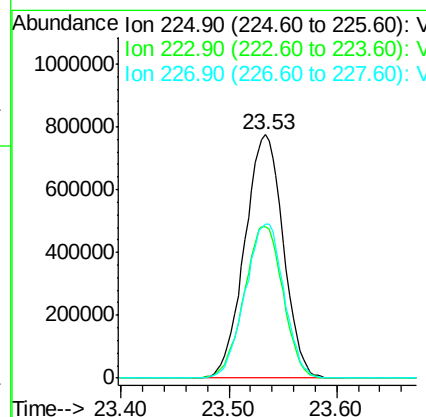
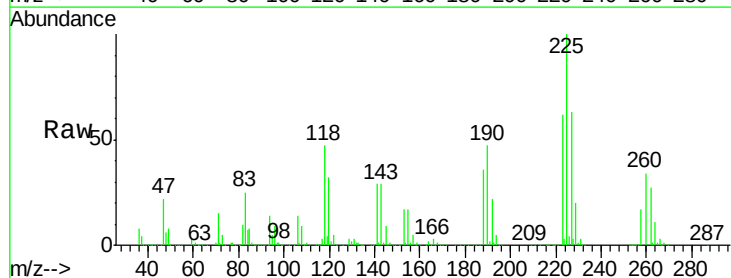
Instrument :
 MSVOA_L
 ClientSampleId :

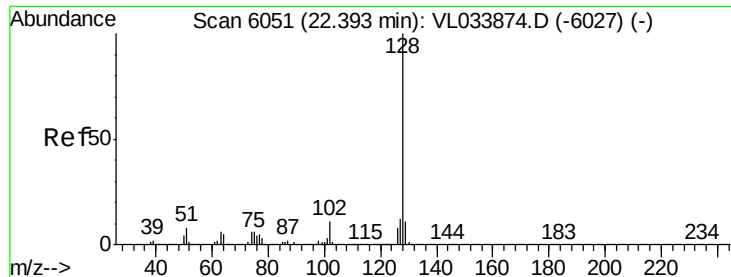
Tot Ion:146 Resp: 2988754
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.4 70.0
 148 64.0 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 12.450 ppbv
 RT: 23.53 min Scan# 6406
 Delta R.T. 0.00 min
 Lab File: VL033880.D
 Acq: 7 Jun 2019 5:54

Tgt Ion:225 Resp: 1920530
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.8 76.2
 227 63.8 51.8 77.6





#79

Naphthalene

Concen: 14.659 ppbv

RT: 22.40 min Scan# 6053

Delta R.T. 0.01 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

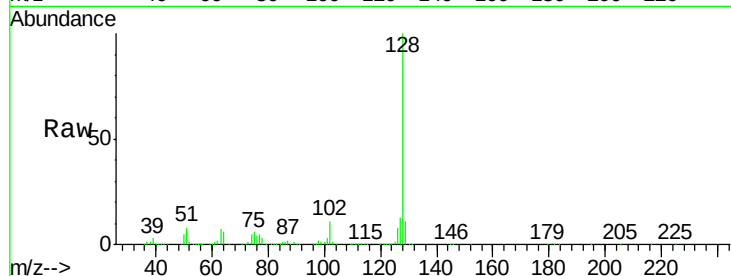
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 4689983

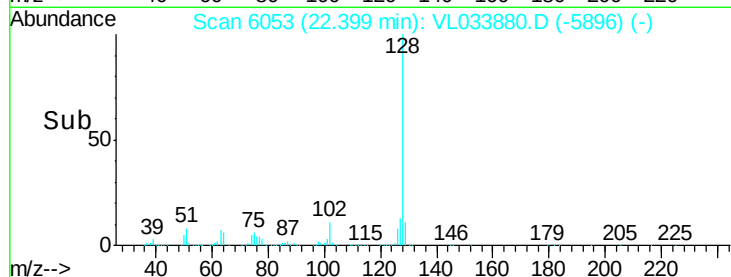
Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.7	14.5
129	11.4	8.6	12.8



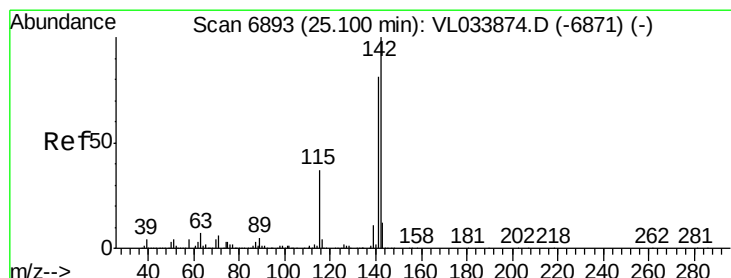
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 17.916 ppbv

RT: 25.10 min Scan# 6894

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

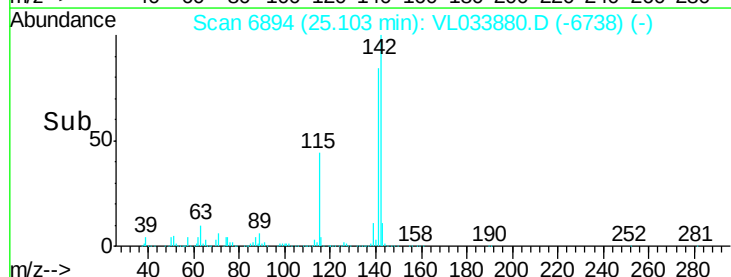
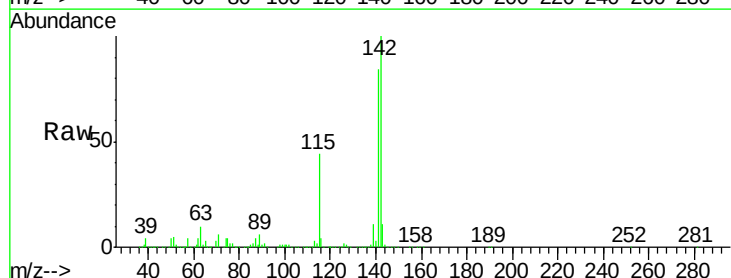
Tgt Ion:142 Resp: 2063389

Ion	Ratio	Lower	Upper
142	100		
141	84.5	65.7	98.5
115	44.4	28.9	43.3#

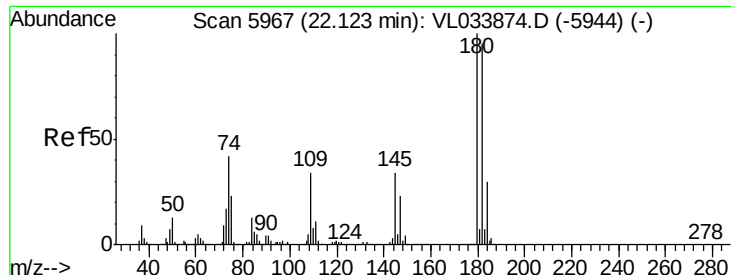
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->



#81

1,2,4-Trichlorobenzene

Concen: 14.299 ppbv

RT: 22.13 min Scan# 5968

Delta R.T. 0.00 min

Lab File: VL033880.D

Acq: 7 Jun 2019 5:54

Instrument :

MSVOA_L

ClientSampleId :

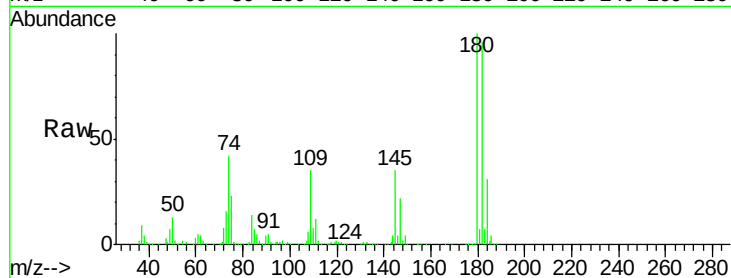
Tot Ion:180 Resp: 2733311

Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

184 30.8 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

