

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD122018\
 Data File : VD060659.D
 Acq On : 20 Dec 2018 15:18
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 21 05:12:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1764539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2350097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1879087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	961496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	522171	42.82	ug/l	0.00
Spiked Amount						
			Recovery	=	85.64%	
35) Dibromofluoromethane	6.33	113	783621	45.56	ug/l	0.00
Spiked Amount						
			Recovery	=	91.12%	
50) Toluene-d8	9.46	98	2333531	45.47	ug/l	0.00
Spiked Amount						
			Recovery	=	90.94%	
62) 4-Bromofluorobenzene	12.42	95	813113	45.24	ug/l	0.00
Spiked Amount						
			Recovery	=	90.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	1137175	50.437	ug/l	100
3) Chloromethane	1.77	50	1014469	48.890	ug/l	99
4) Vinyl Chloride	1.87	62	800395	48.585	ug/l	99
5) Bromomethane	2.17	94	207085	56.117	ug/l	98
6) Chloroethane	2.28	64	262131	53.317	ug/l	96
7) Trichlorofluoromethane	2.52	101	905222	49.401	ug/l	97
8) Diethyl Ether	2.84	74	148100	48.309	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.11	101	562250	47.304	ug/l	98
10) Methyl Iodide	3.26	142	613486	49.112	ug/l	98
11) Tert butyl alcohol	3.98	59	122760	240.884	ug/l	95
12) 1,1-Dichloroethene	3.09	96	455734	46.664	ug/l	99
13) Acrolein	3.00	56	108998	209.882	ug/l	97
14) Allyl chloride	3.56	41	841308	46.947	ug/l	98
15) Acrylonitrile	4.10	53	673726	227.711	ug/l	97
16) Acetone	3.17	43	499784	234.690	ug/l	98
17) Carbon Disulfide	3.33	76	1529719	49.045	ug/l	100
18) Methyl Acetate	3.57	43	242308	45.912	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	1165891	47.054	ug/l	100
20) Methylene Chloride	3.73	84	901707	40.772	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	939808	46.989	ug/l	98
22) Diisopropyl ether	4.86	45	2829494	46.503	ug/l	98
23) Vinyl Acetate	4.82	43	6772745	230.076	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1504834	47.020	ug/l	100
25) 2-Butanone	5.63	43	943636	231.564	ug/l	98
26) 2,2-Dichloropropane	5.59	77	1195462	47.321	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	950896	46.834	ug/l	99
28) Bromochloromethane	5.93	49	598278	44.250	ug/l	99
29) Tetrahydrofuran	5.96	42	518189	224.310	ug/l	100
30) Chloroform	6.10	83	1473369	45.752	ug/l	100
31) Cyclohexane	6.37	56	1424508	46.252	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	1281725	48.107	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1167344	48.238	ug/l	98
37) Ethyl Acetate	5.70	43	480891	47.515	ug/l	96
38) Carbon Tetrachloride	6.51	117	1059218	49.614	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1356626	49.154	ug/l	100
40) Benzene	6.80	78	2991260	47.853	ug/l	99
41) Methacrylonitrile	5.93	41	196192m	35.045	ug/l	
42) 1,2-Dichloroethane	6.90	62	737195	47.524	ug/l	100
43) Isopropyl Acetate	8.35	43	623346	47.994	ug/l #	98
44) Trichloroethene	7.75	130	927230	50.117	ug/l	99
45) 1,2-Dichloropropane	8.10	63	721513	47.066	ug/l	100
46) Dibromomethane	8.22	93	422594	48.301	ug/l	97
47) Bromodichloromethane	8.50	83	1017897	49.121	ug/l	97
48) Methyl methacrylate	8.25	41	394400	49.997	ug/l	98
49) 1,4-Dioxane	8.23	88	73014	995.478	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	1891338	237.685	ug/l	99
52) Toluene	9.55	92	1885539	48.117	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	838290	48.489	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	1067927	47.194	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	496869	47.126	ug/l	97
56) Ethyl methacrylate	10.03	69	484988	49.524	ug/l	98
57) 1,3-Dichloropropane	10.39	76	804714	48.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	1319035	228.590	ug/l	99
59) 2-Hexanone	10.48	43	1401064	251.544	ug/l	98
60) Dibromochloromethane	10.64	129	671917	50.032	ug/l	100
61) 1,2-Dibromoethane	10.76	107	541828	49.545	ug/l	95
64) Tetrachloroethene	10.26	164	829391	48.698	ug/l	100
65) Chlorobenzene	11.31	112	1967088	47.382	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	644786	48.304	ug/l	98
67) Ethyl Benzene	11.43	91	3384583	47.603	ug/l	100
68) m/p-Xylenes	11.57	106	2473203	95.183	ug/l	99
69) o-Xylene	11.93	106	1203926	48.838	ug/l	90
70) Styrene	11.96	104	1946561	49.028	ug/l	99
71) Bromoform	12.12	173	439068	49.830	ug/l	96
73) Isopropylbenzene	12.28	105	3326607	48.594	ug/l	100
74) N-amyl acetate	12.14	43	793895	49.137	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	540895	48.746	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	527836	48.220	ug/l	98
77) Bromobenzene	12.54	156	874729	48.398	ug/l	98
78) n-propylbenzene	12.64	91	4086673	46.695	ug/l	99
79) 2-Chlorotoluene	12.71	91	2206066	47.062	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	2574679	48.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	154059	50.932	ug/l	98
82) 4-Chlorotoluene	12.81	91	2437503	45.877	ug/l	99
83) tert-Butylbenzene	13.05	119	2898642	48.182	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	2606292	47.871	ug/l	99
85) sec-Butylbenzene	13.22	105	3562813	48.561	ug/l	99
86) p-Isopropyltoluene	13.35	119	2854130	48.193	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1568717	47.282	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	1565201	47.875	ug/l	99
89) n-Butylbenzene	13.65	91	2918266	48.220	ug/l	99
90) Hexachloroethane	13.86	117	724517	49.798	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	1254598	47.140	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.22	75	63084	48.393	ug/l	98

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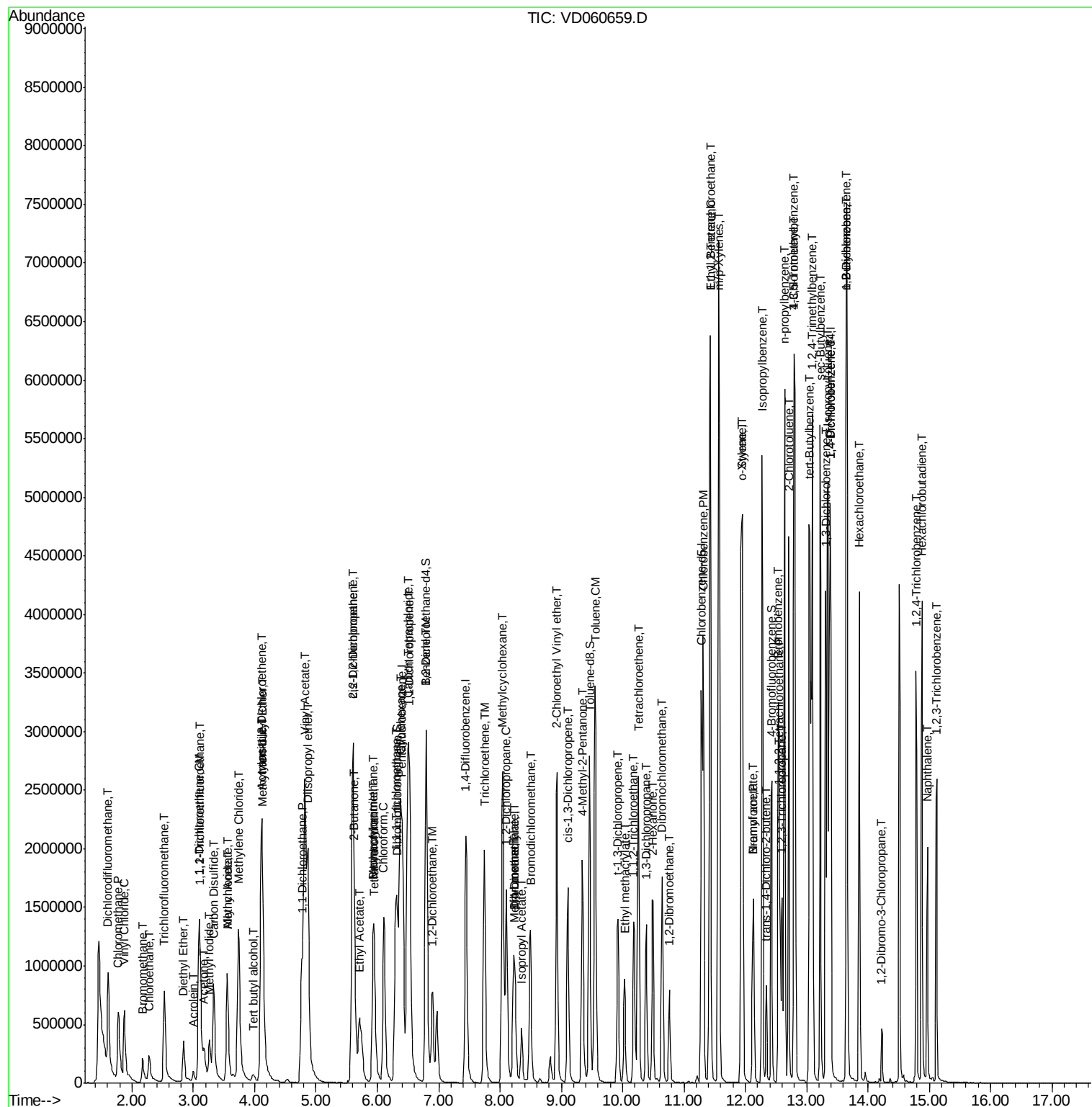
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1032485	48.753	ug/l	95
94) Hexachlorobutadiene	14.88	225	757593	48.397	ug/l	99
95) Naphthalene	14.97	128	1231191	48.914	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	794106	47.967	ug/l	100

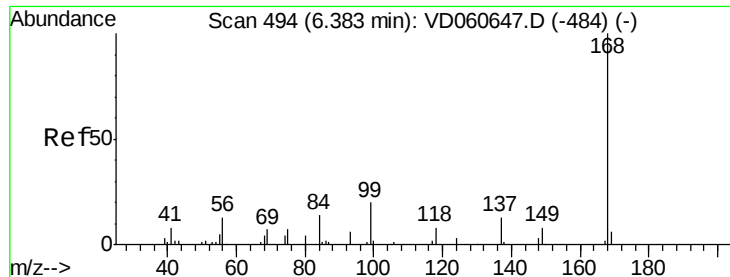
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

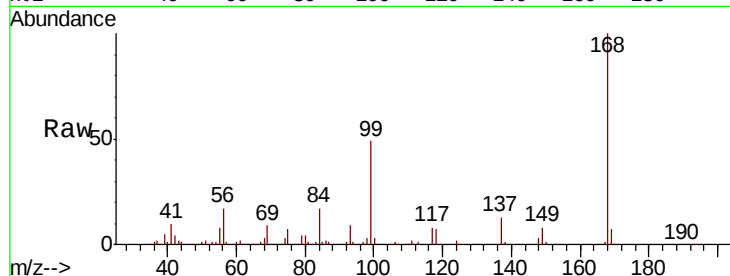
ClientSampleId :

Tot Ion:168 Resp: 1764539

Ion Ratio Lower Upper

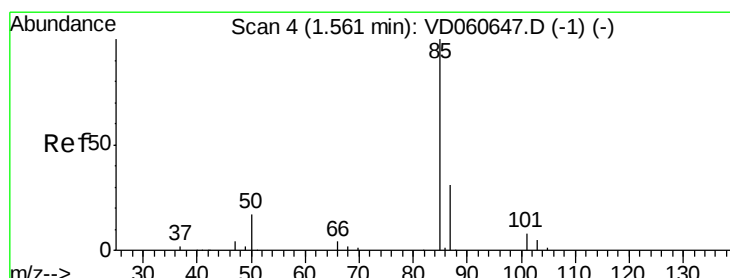
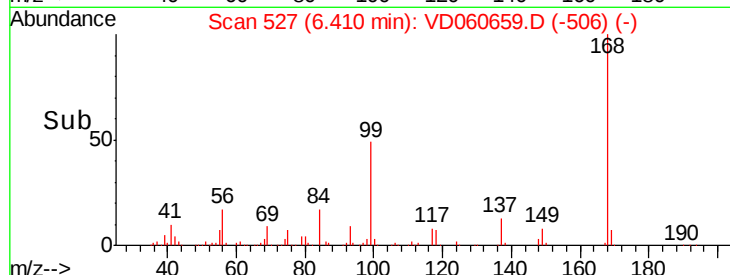
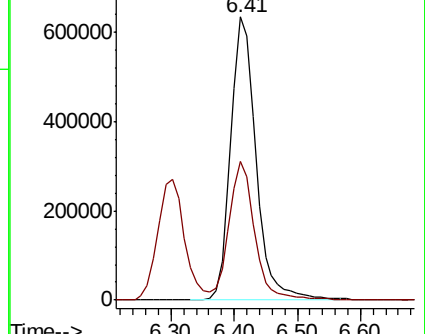
168 100

99 48.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.437 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.00 min

Lab File: VD060659.D

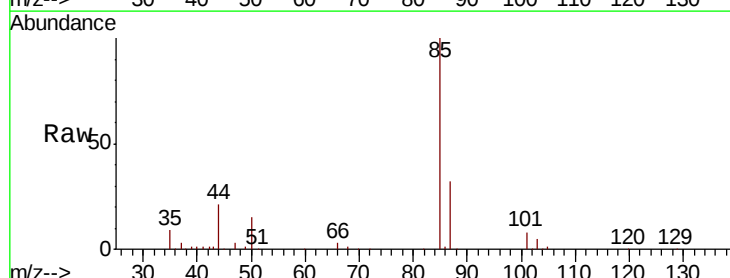
Acq: 20 Dec 2018 15:18

Tgt Ion: 85 Resp: 1137175

Ion Ratio Lower Upper

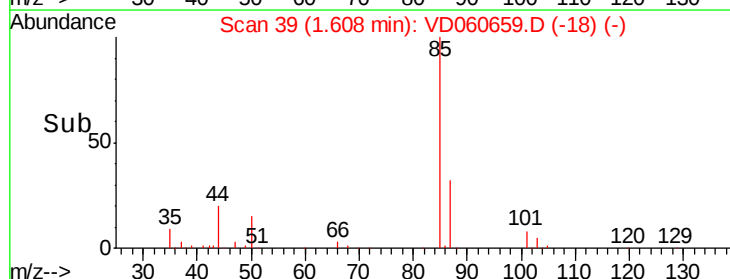
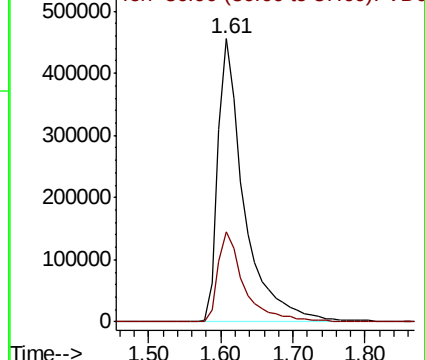
85 100

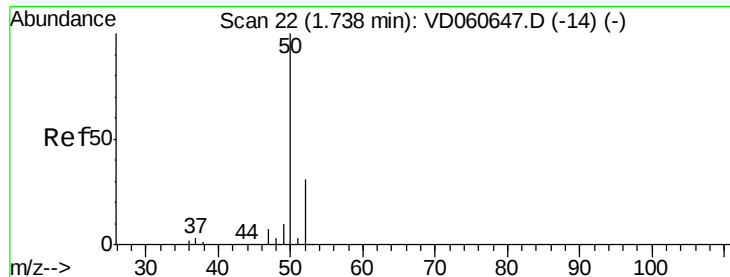
87 31.7 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.890 ug/l

RT: 1.77 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

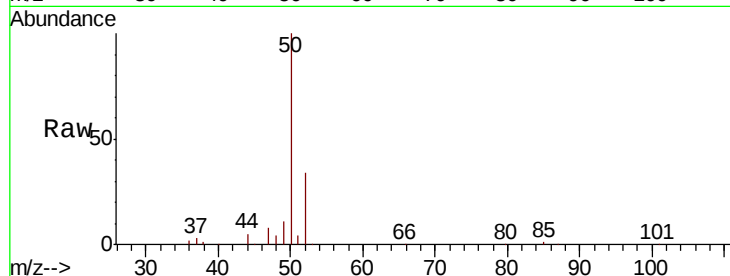
ClientSampleId :

Tot Ion: 50 Resp: 1014469

Ion Ratio Lower Upper

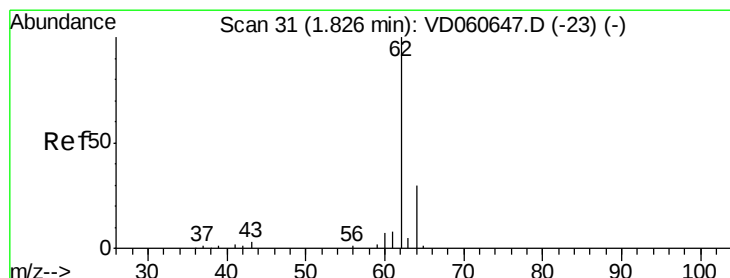
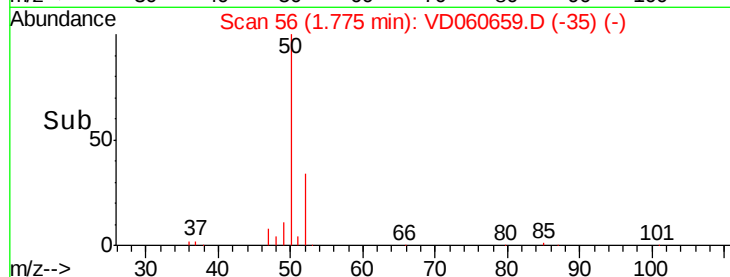
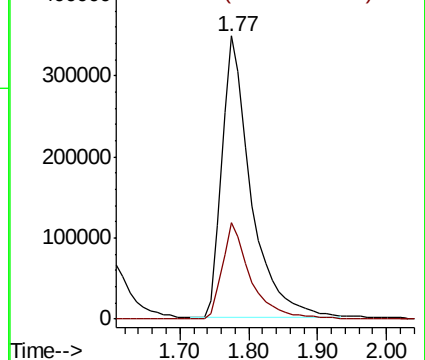
50 100

52 33.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.585 ug/l

RT: 1.87 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060659.D

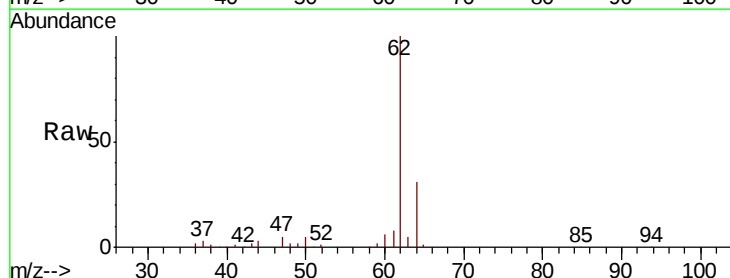
Acq: 20 Dec 2018 15:18

Tgt Ion: 62 Resp: 800395

Ion Ratio Lower Upper

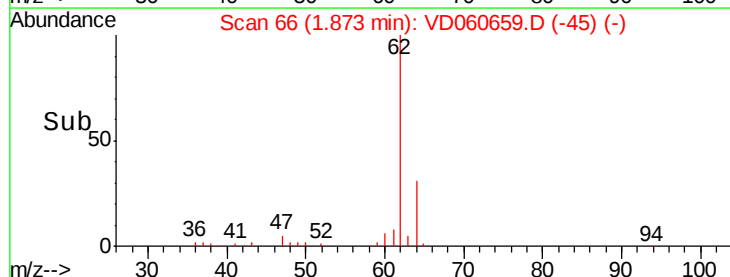
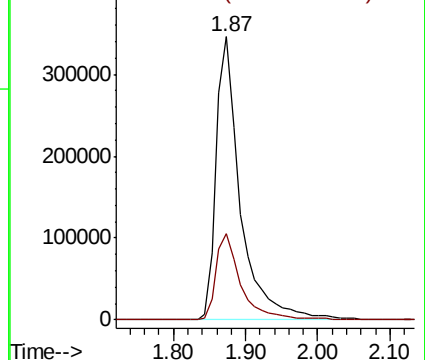
62 100

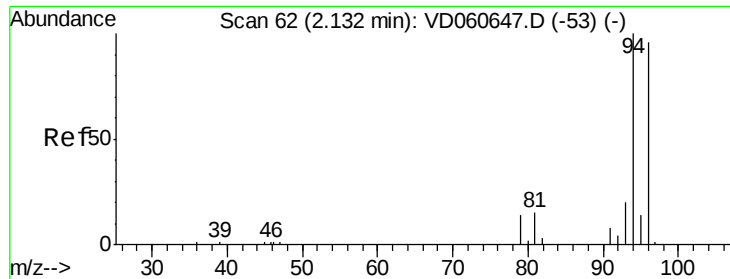
64 30.7 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

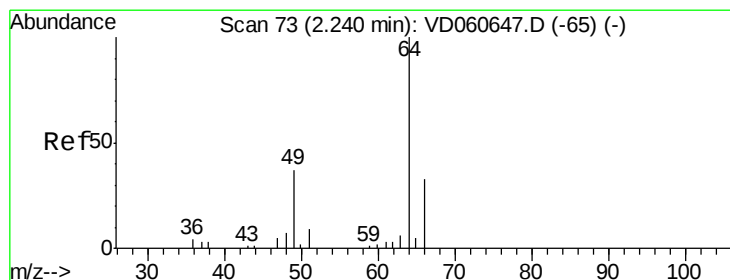
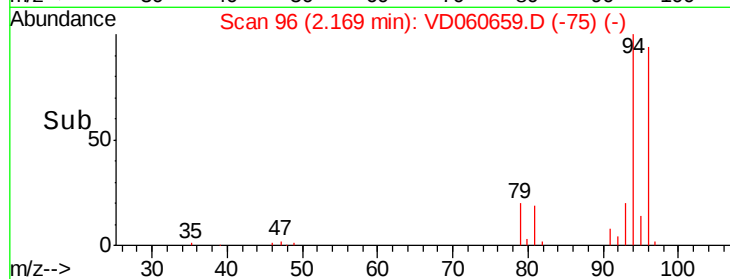
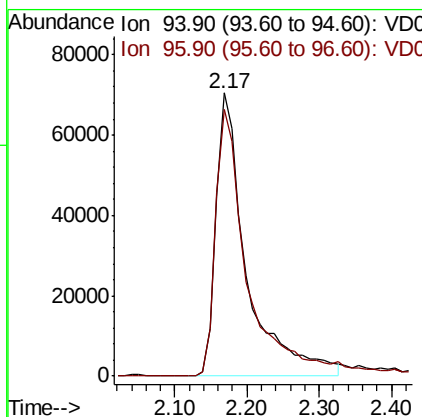
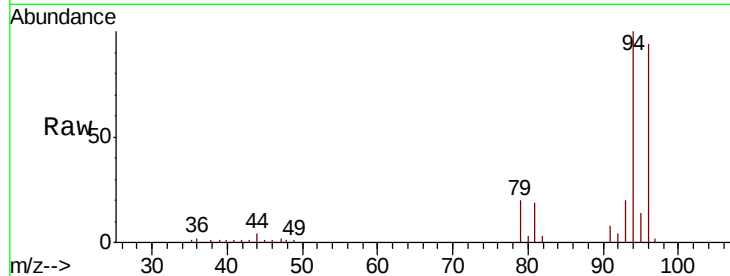




#5
Bromomethane
Concen: 56.117 ug/l
RT: 2.17 min Scan# 96
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

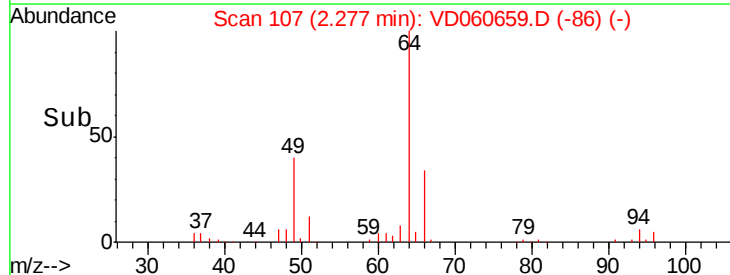
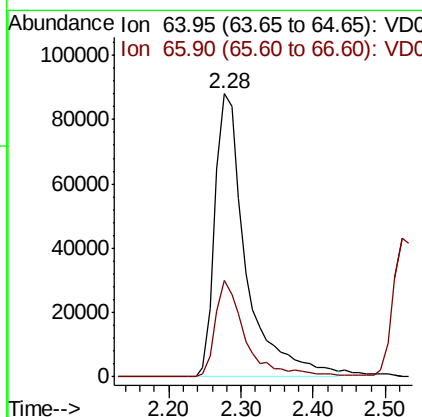
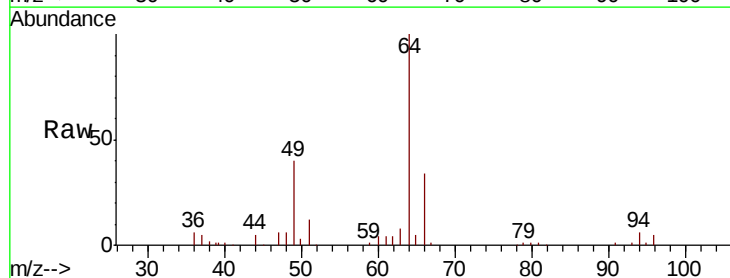
Instrument :
MSVOA_X
ClientSampled :

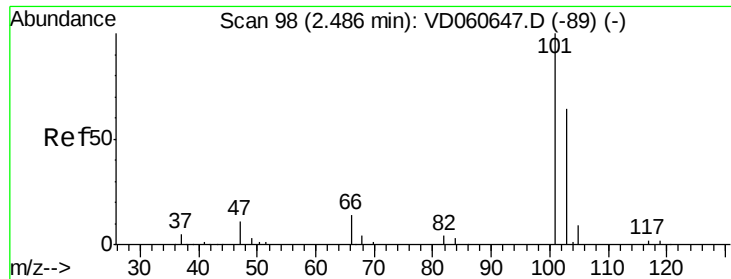
Tot Ion: 94 Resp: 207085
Ion Ratio Lower Upper
94 100
96 94.3 77.2 115.8



#6
Chloroethane
Concen: 53.317 ug/l
RT: 2.28 min Scan# 107
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 64 Resp: 262131
Ion Ratio Lower Upper
64 100
66 34.2 25.6 38.4



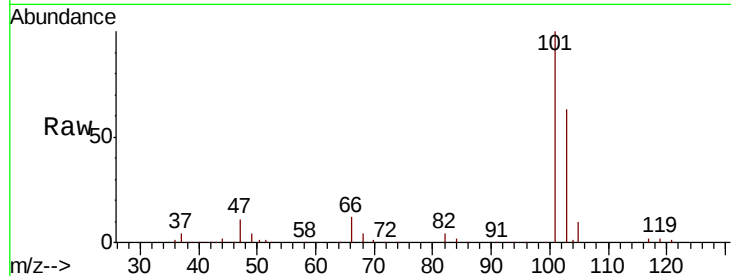


#7

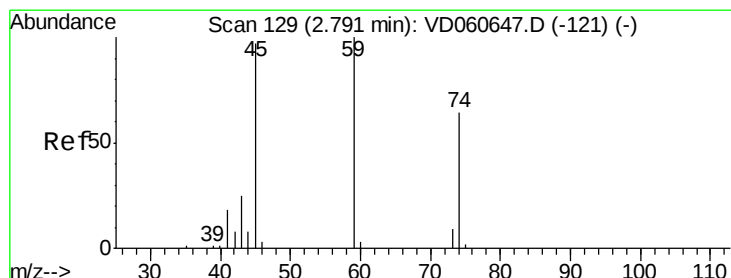
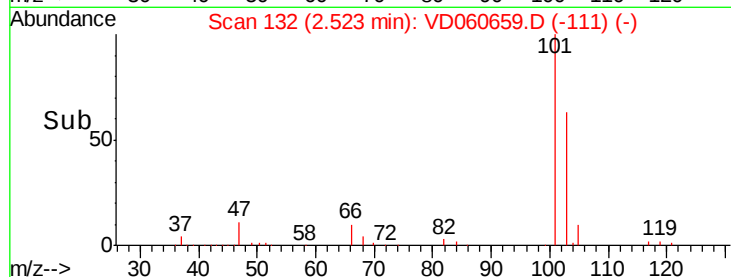
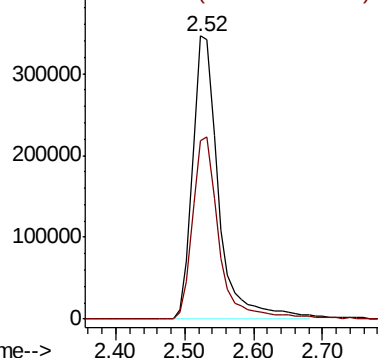
Trichlorofluoromethane
Concen: 49.401 ug/l
RT: 2.52 min Scan# 132
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 905222
Ion Ratio Lower Upper
101 100
103 62.8 51.9 77.9



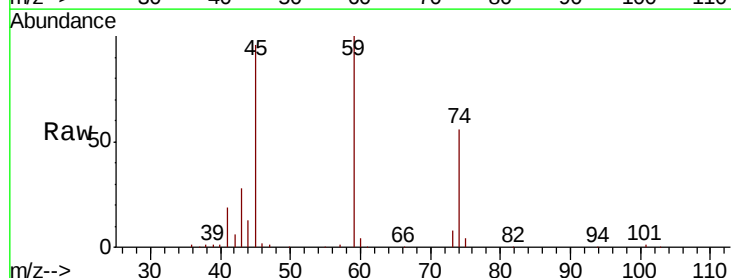
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



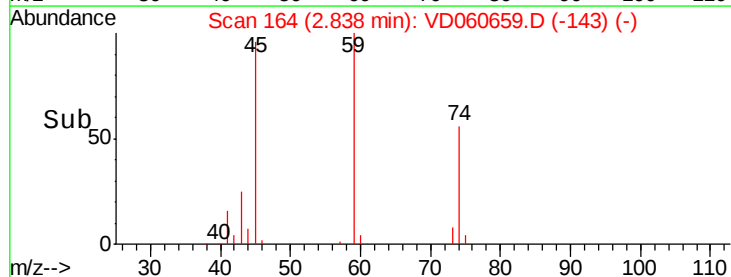
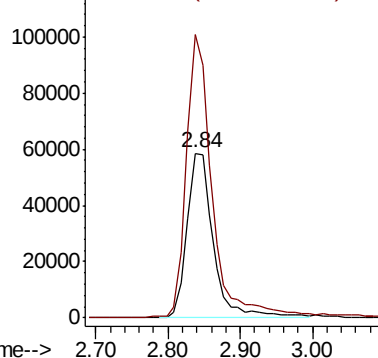
#8

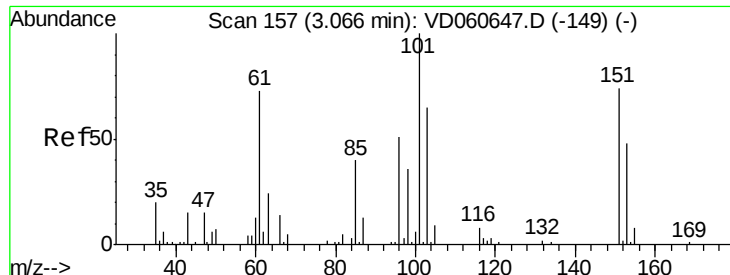
Diethyl Ether
Concen: 48.309 ug/l
RT: 2.84 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 74 Resp: 148100
Ion Ratio Lower Upper
74 100
45 171.8 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.304 ug/l

RT: 3.11 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampled :

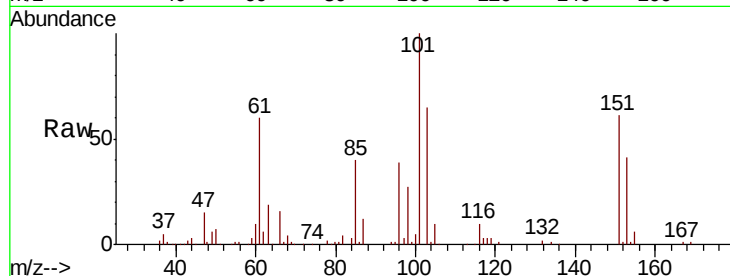
Tot Ion:101 Resp: 562250

Ion Ratio Lower Upper

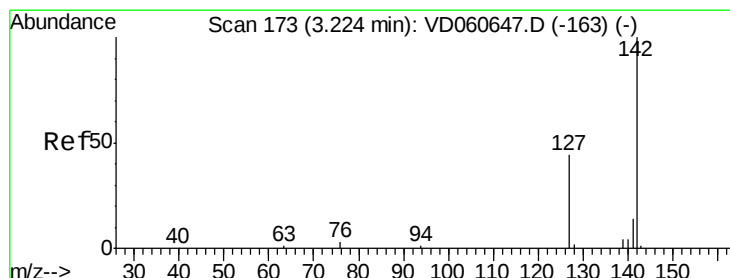
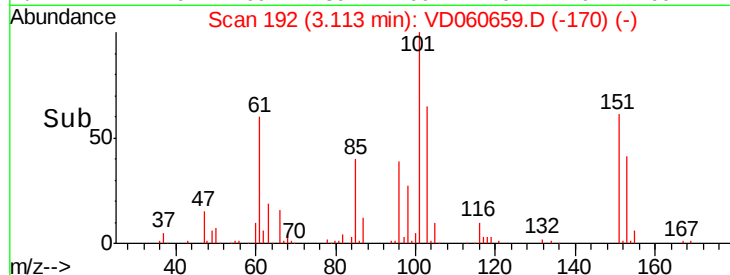
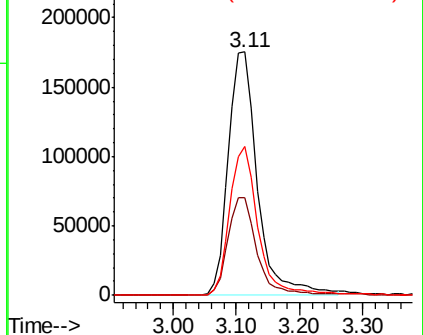
101 100

85 40.3 33.4 50.0

151 60.9 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.112 ug/l

RT: 3.26 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

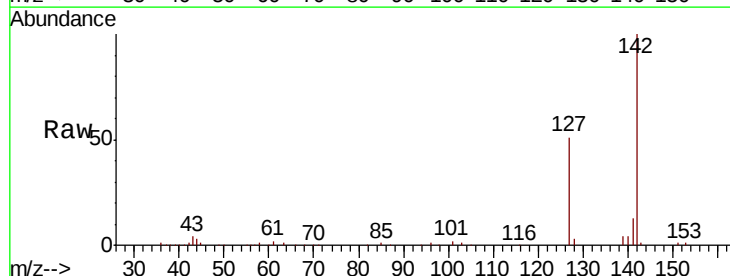
Tgt Ion:142 Resp: 613486

Ion Ratio Lower Upper

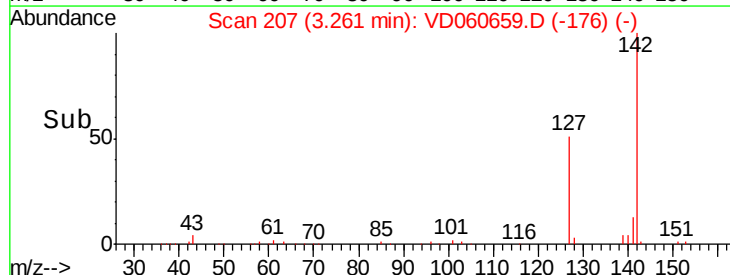
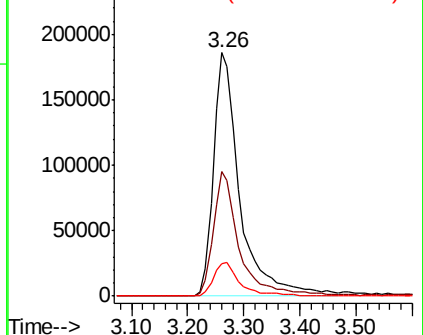
142 100

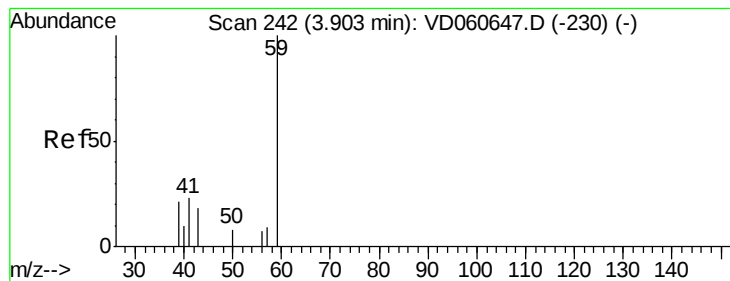
127 51.0 39.5 59.3

141 13.2 11.3 16.9



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



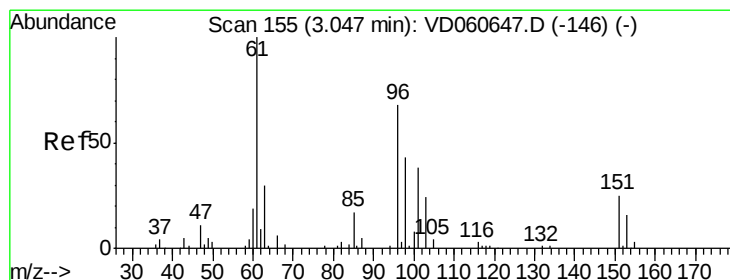
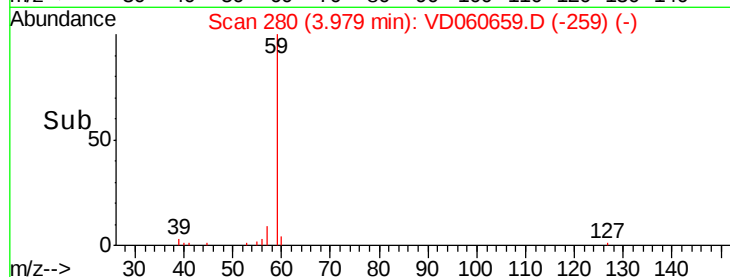
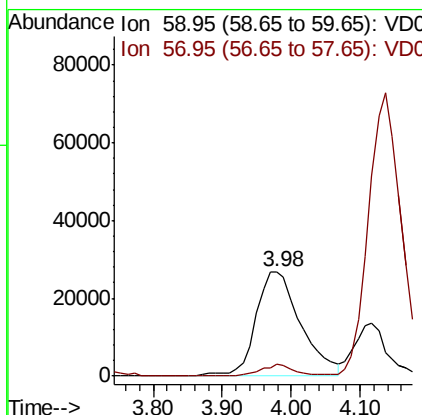
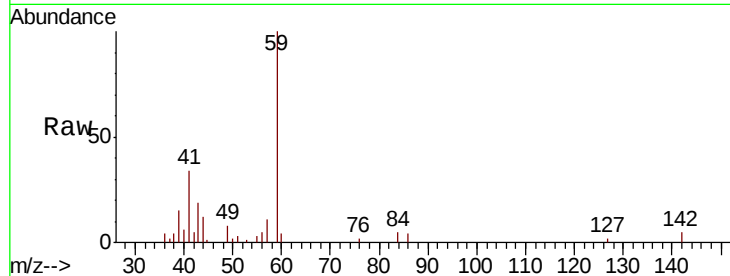


#11

Tert butyl alcohol
 Concen: 240.884 ug/l
 RT: 3.98 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Instrument :
 MSVOA_X
 ClientSampled :

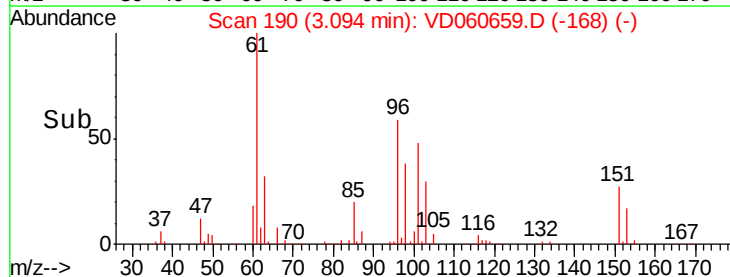
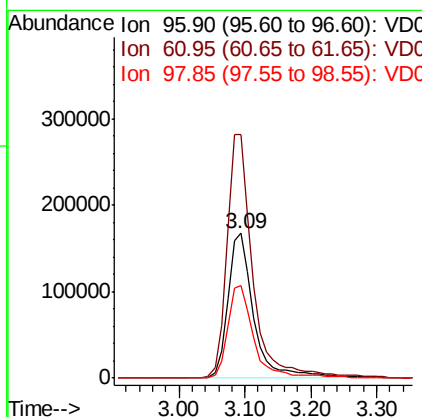
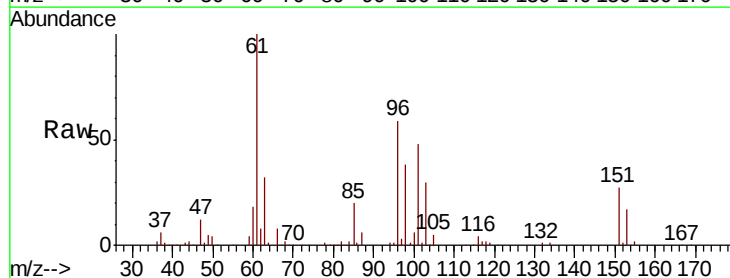
Tot Ion: 59 Resp: 122760
 Ion Ratio Lower Upper
 59 100
 57 11.5 7.8 11.6

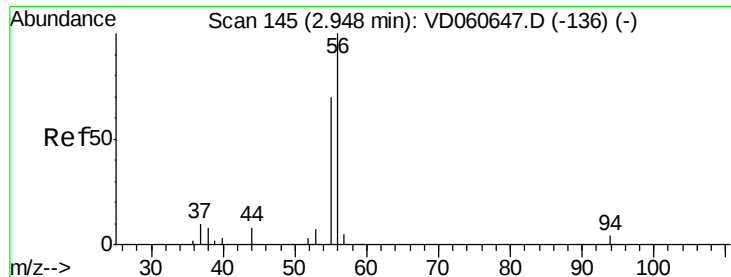


#12

1,1-Dichloroethene
 Concen: 46.664 ug/l
 RT: 3.09 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion: 96 Resp: 455734
 Ion Ratio Lower Upper
 96 100
 61 168.2 136.2 204.4
 98 64.0 50.7 76.1





#13

Acrolein

Concen: 209.882 ug/l

RT: 3.00 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

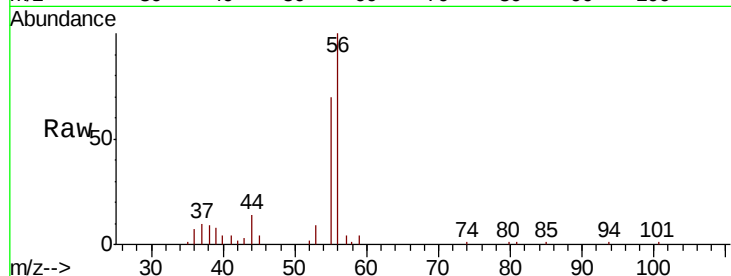
ClientSampleId :

Tot Ion: 56 Resp: 108998

Ion Ratio Lower Upper

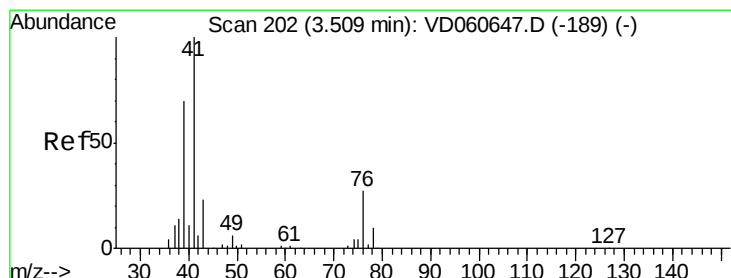
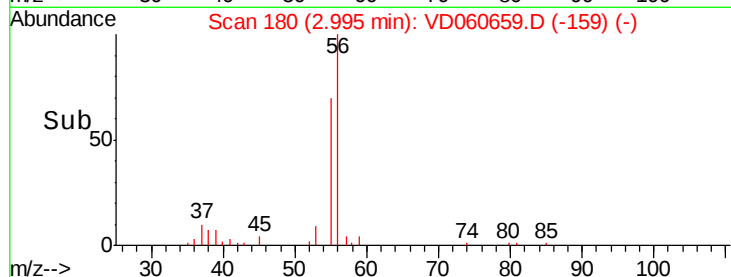
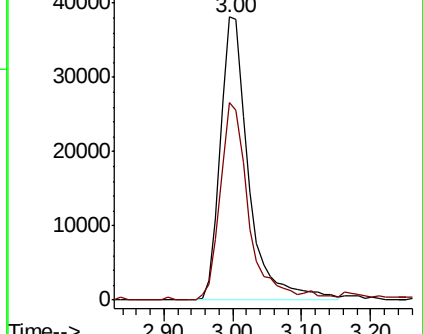
56 100

55 70.0 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.947 ug/l

RT: 3.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

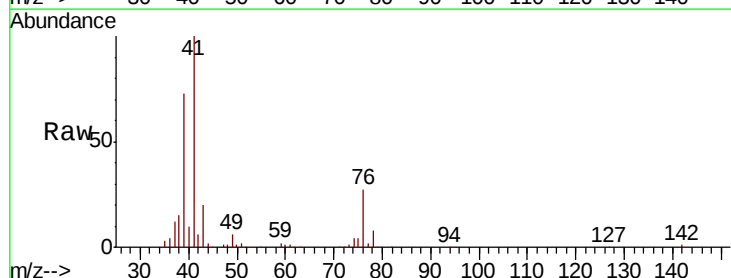
Tgt Ion: 41 Resp: 841308

Ion Ratio Lower Upper

41 100

39 72.6 59.6 89.4

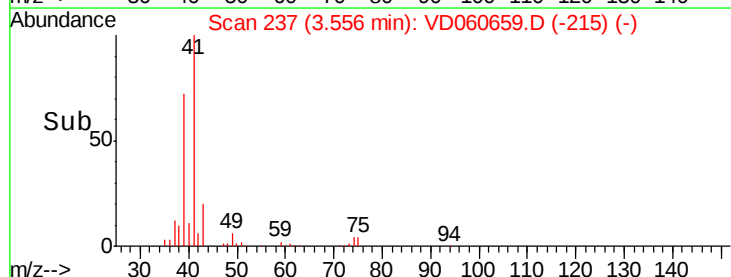
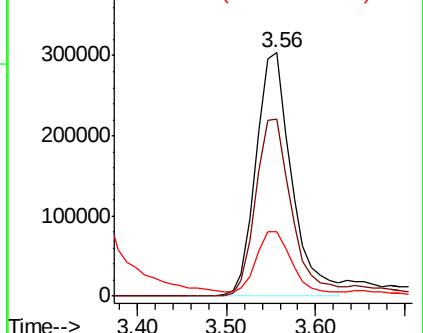
76 26.6 21.8 32.6

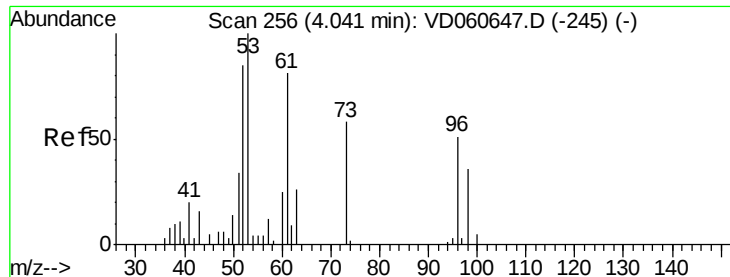


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 227.711 ug/l

RT: 4.10 min Scan# 292

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :
MSVOA_X
ClientSampled :

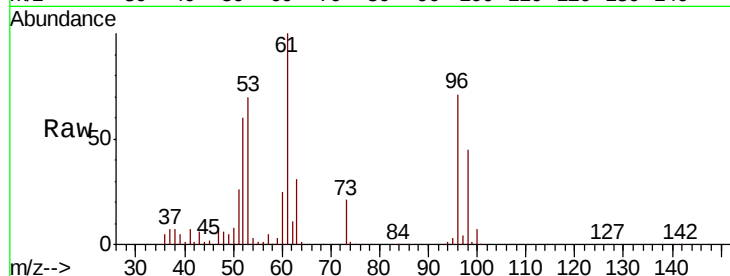
Tot Ion: 53 Resp: 673726

Ion Ratio Lower Upper

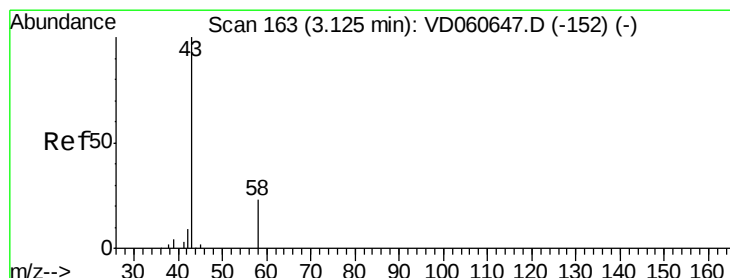
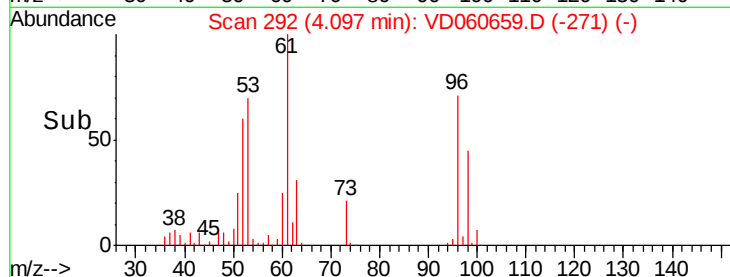
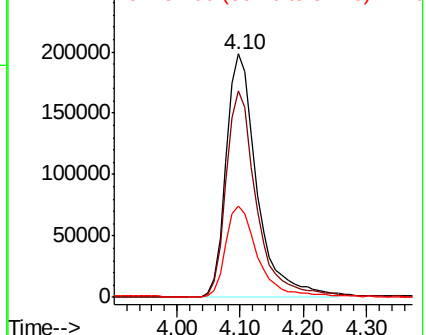
53 100

52 84.7 66.7 100.1

51 37.3 32.7 49.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 234.690 ug/l

RT: 3.17 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD060659.D

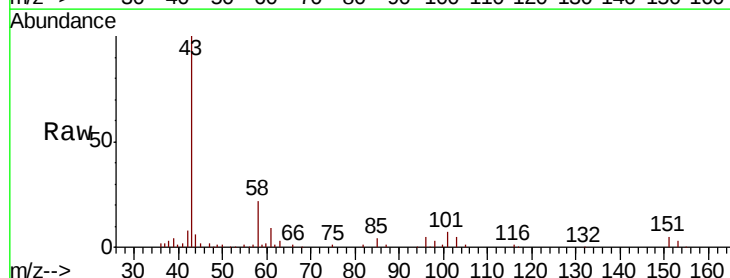
Acq: 20 Dec 2018 15:18

Tgt Ion: 43 Resp: 499784

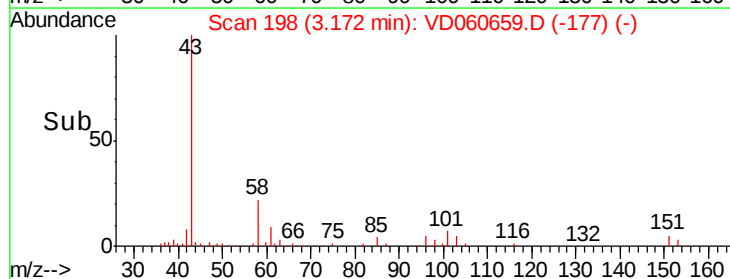
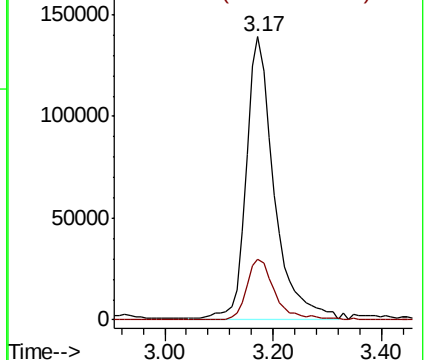
Ion Ratio Lower Upper

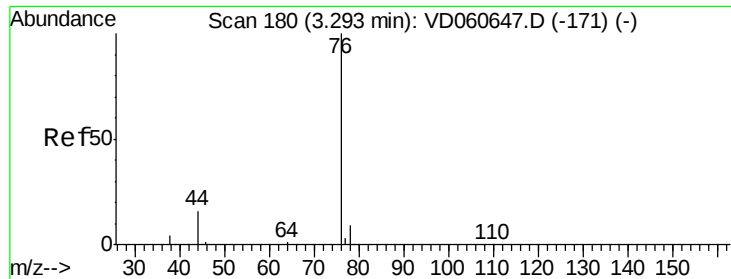
43 100

58 21.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

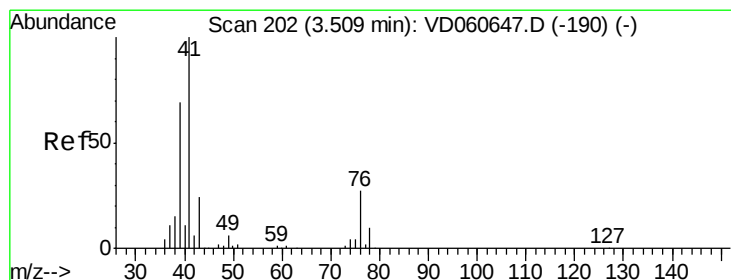
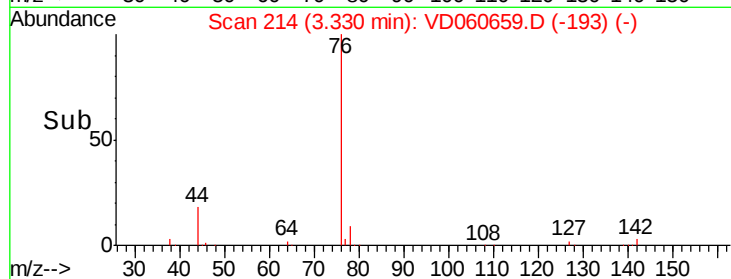
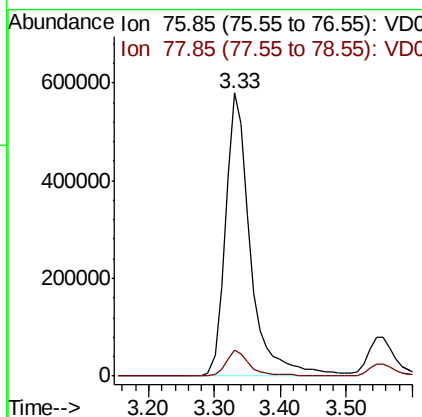
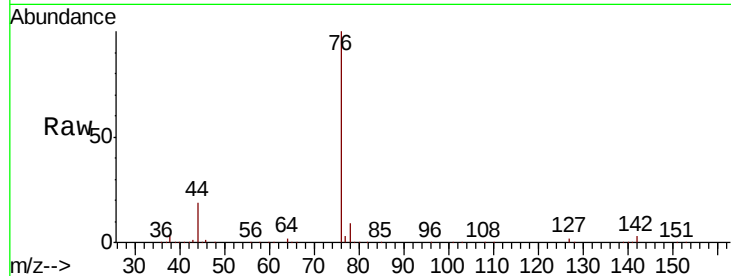




#17
Carbon Disulfide
Concen: 49.045 ug/l
RT: 3.33 min Scan# 214
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

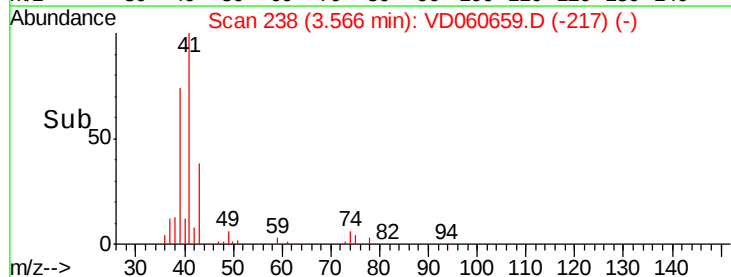
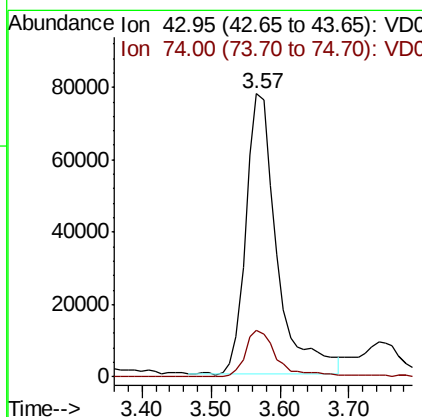
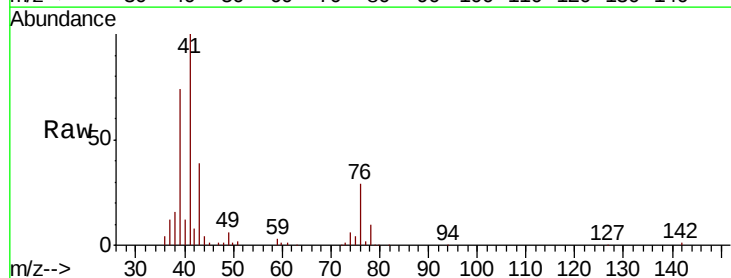
Instrument :
MSVOA_X
ClientSampleId :

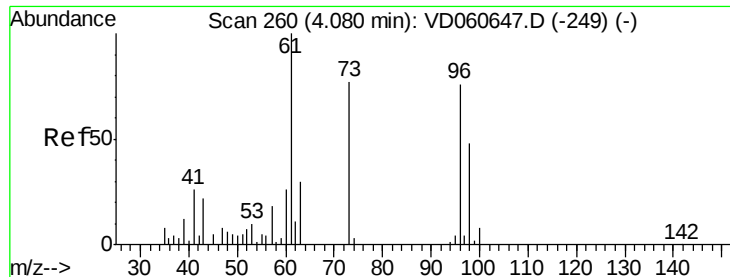
Tot Ion: 76 Resp: 1529719
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 45.912 ug/l
RT: 3.57 min Scan# 238
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 43 Resp: 242308
Ion Ratio Lower Upper
43 100
74 16.4 12.4 18.6

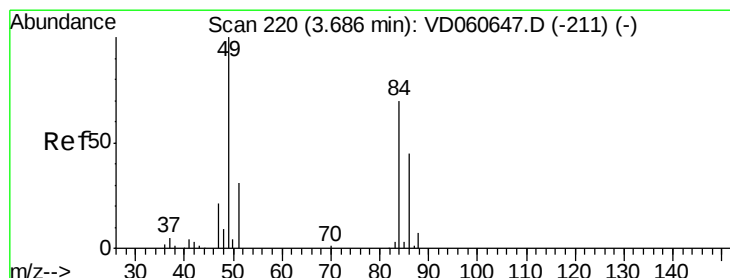
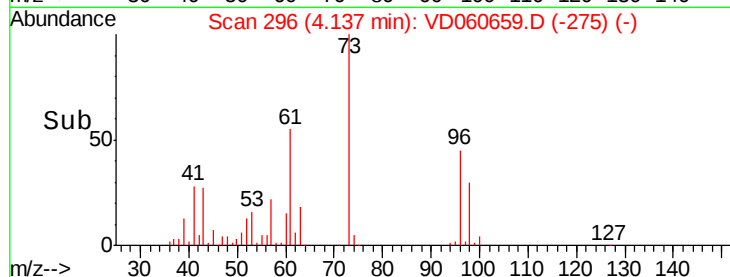
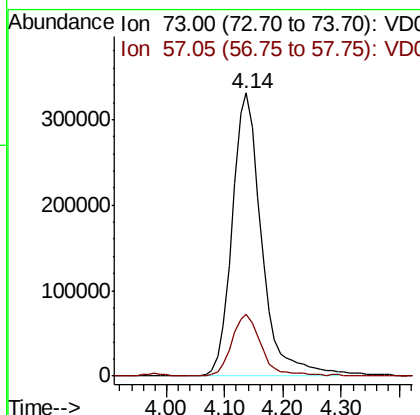
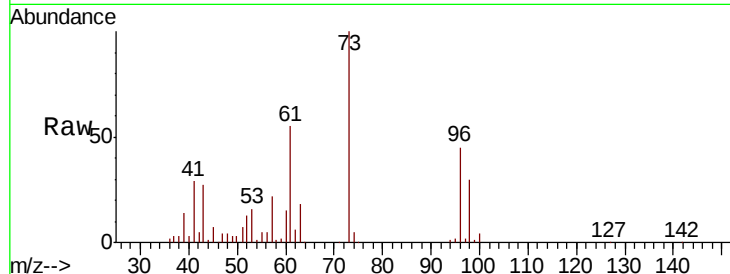




#19
Methyl tert-butyl Ether
Concen: 47.054 ug/l
RT: 4.14 min Scan# 296
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

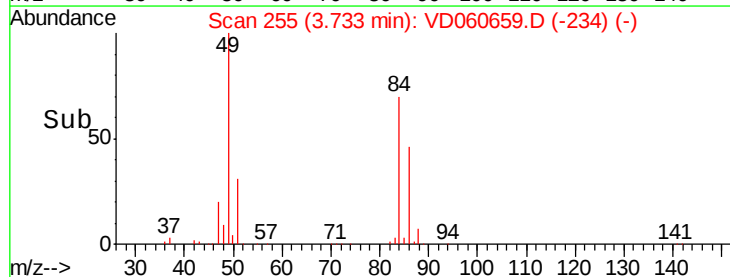
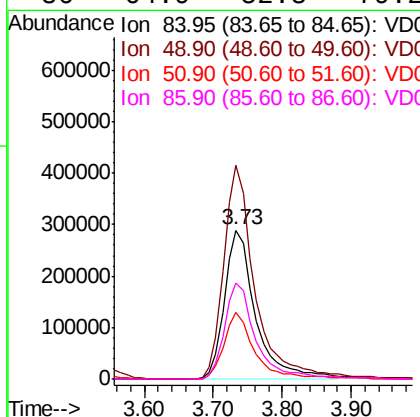
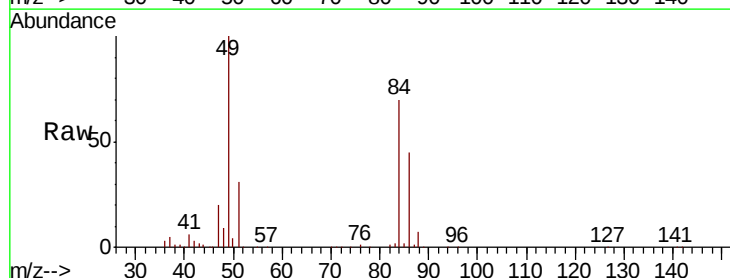
Instrument :
MSVOA_X
ClientSampleId :

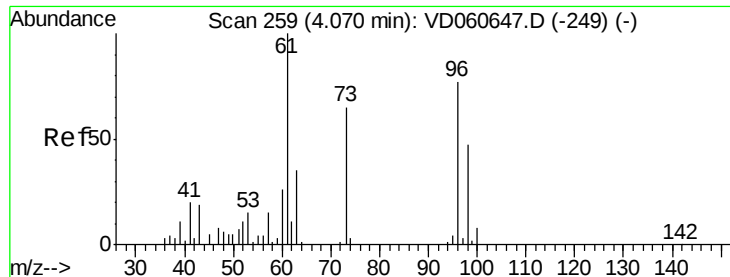
Tot Ion: 73 Resp: 1165891
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 40.772 ug/l
RT: 3.73 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 84 Resp: 901707
Ion Ratio Lower Upper
84 100
49 143.9 113.6 170.4
51 44.7 34.7 52.1
86 64.9 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 46.989 ug/l

RT: 4.12 min Scan# 294

Delta R.T. 0.01 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

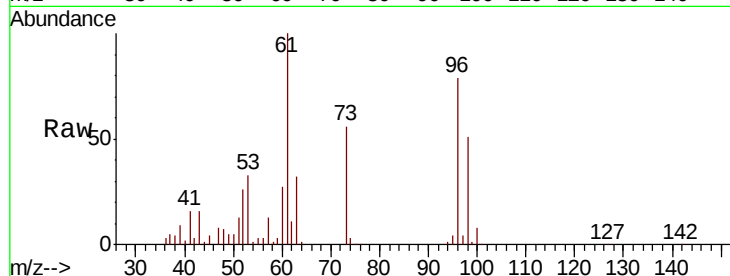
Tot Ion: 96 Resp: 939808

Ion Ratio Lower Upper

96 100

61 127.1 104.2 156.2

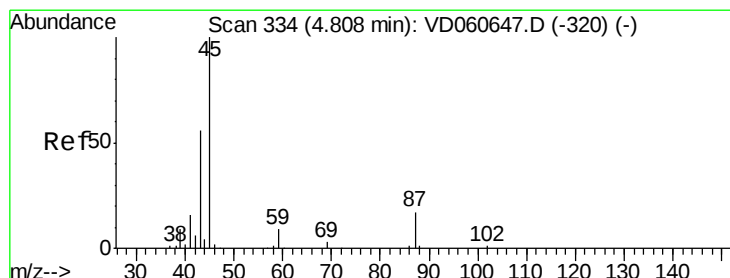
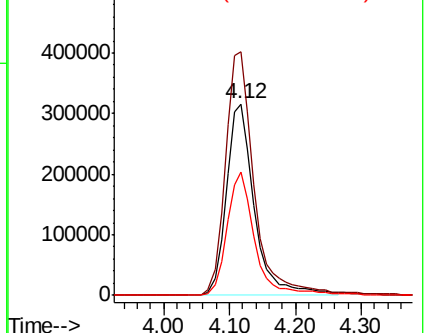
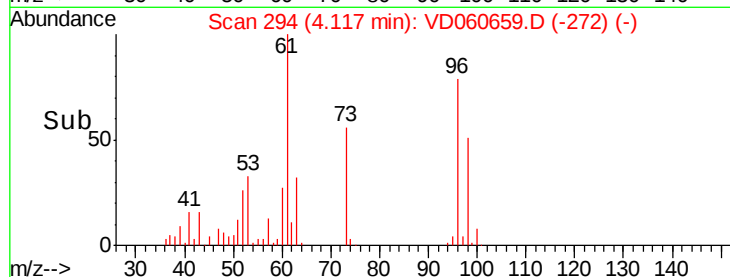
98 64.4 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 46.503 ug/l

RT: 4.86 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Tgt Ion: 45 Resp: 2829494

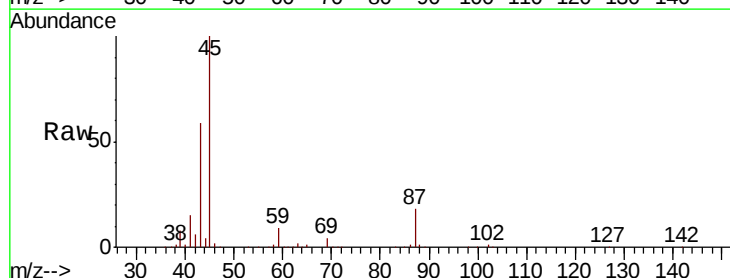
Ion Ratio Lower Upper

45 100

43 59.5 46.1 69.1

87 18.0 13.7 20.5

59 8.9 7.4 11.0

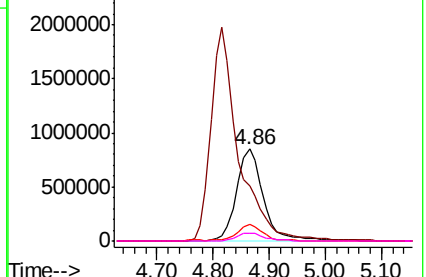
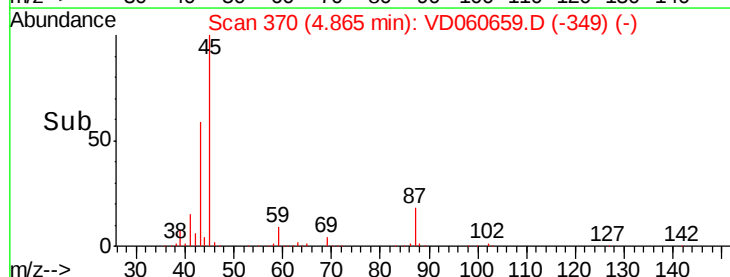


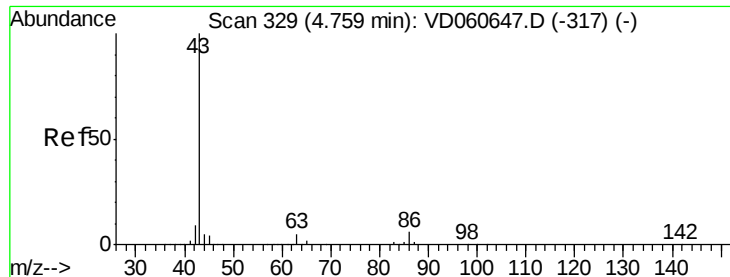
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 230.076 ug/l

RT: 4.82 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

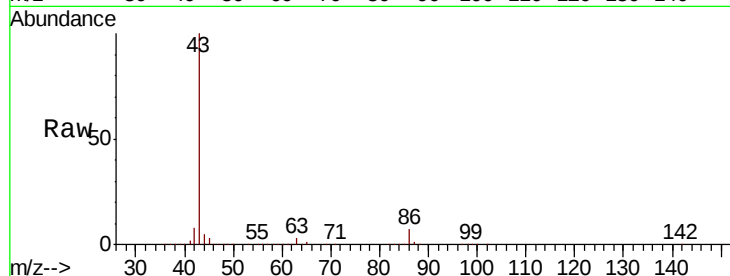
ClientSampled :

Tot Ion: 43 Resp: 6772745

Ion Ratio Lower Upper

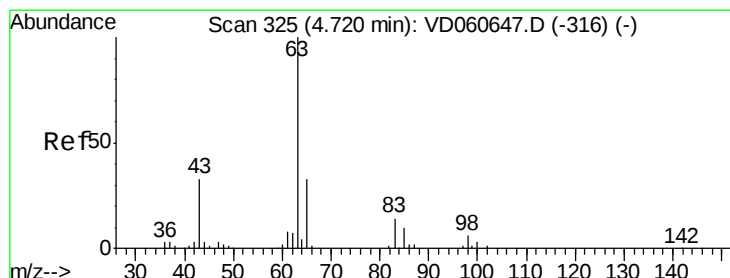
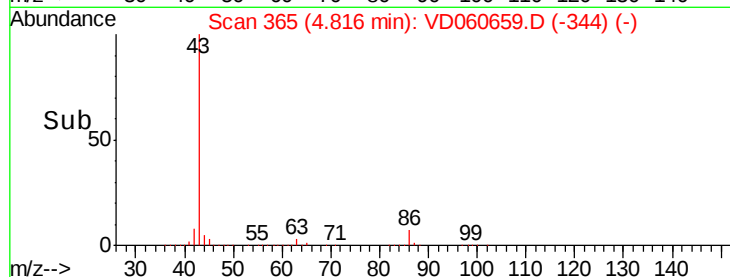
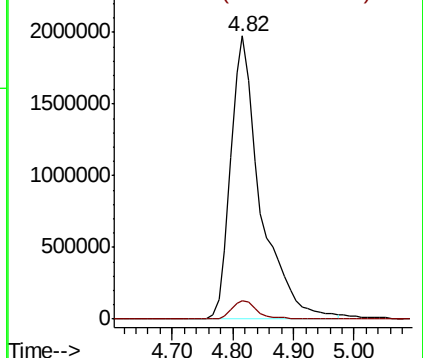
43 100

86 6.5 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.020 ug/l

RT: 4.77 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

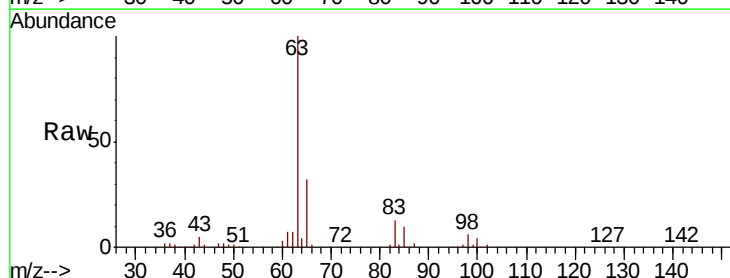
Tgt Ion: 63 Resp: 1504834

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

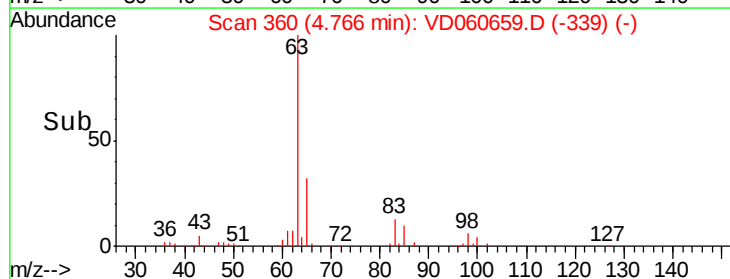
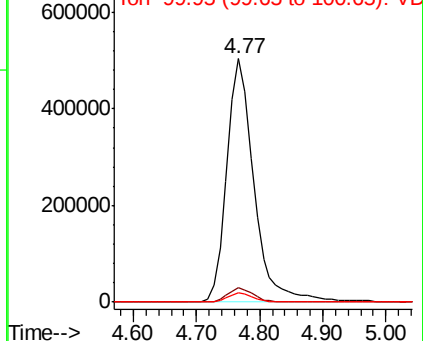
100 3.6 2.0 5.8

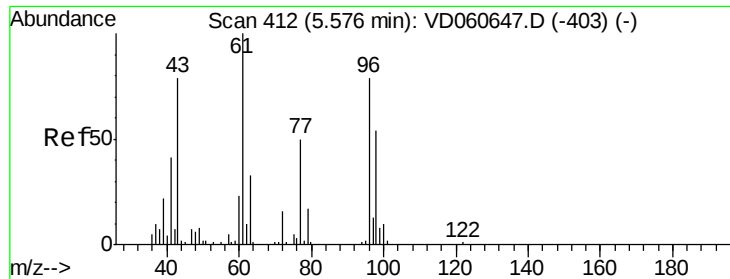


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 231.564 ug/l

RT: 5.63 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

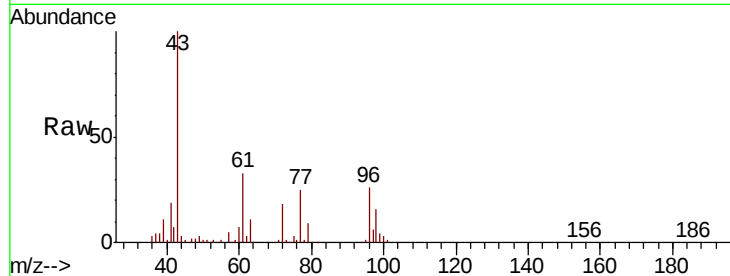
ClientSampled :

Tot Ion: 43 Resp: 943636

Ion Ratio Lower Upper

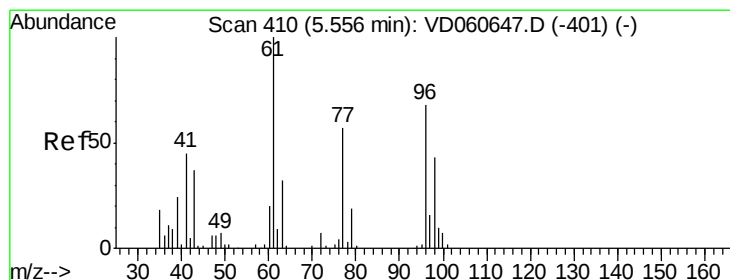
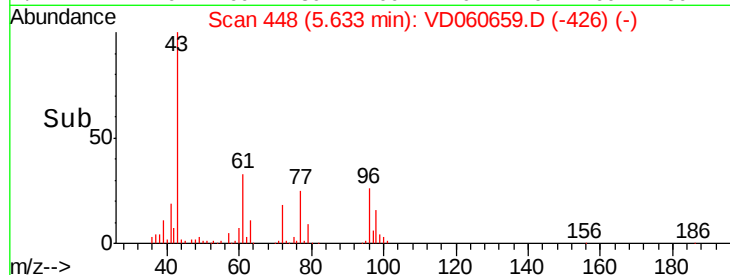
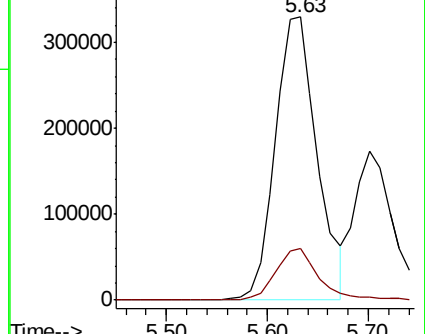
43 100

72 18.1 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.321 ug/l

RT: 5.59 min Scan# 444

Delta R.T. 0.00 min

Lab File: VD060659.D

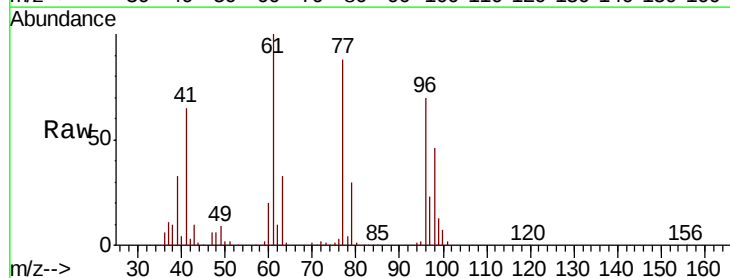
Acq: 20 Dec 2018 15:18

Tgt Ion: 77 Resp: 1195462

Ion Ratio Lower Upper

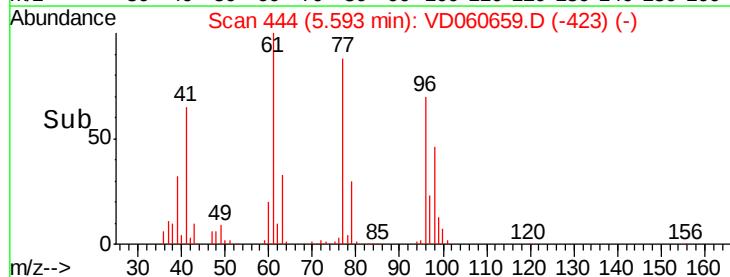
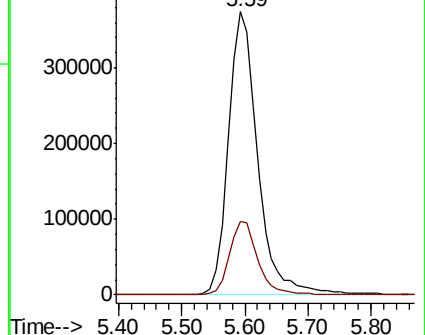
77 100

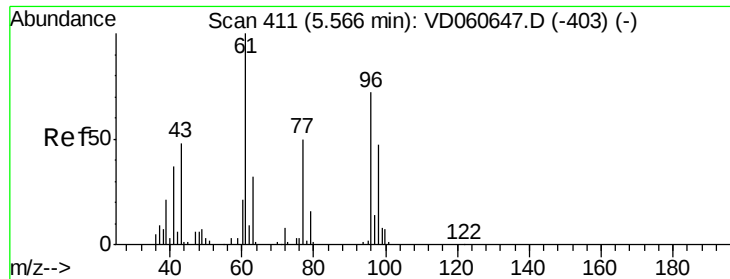
97 25.9 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



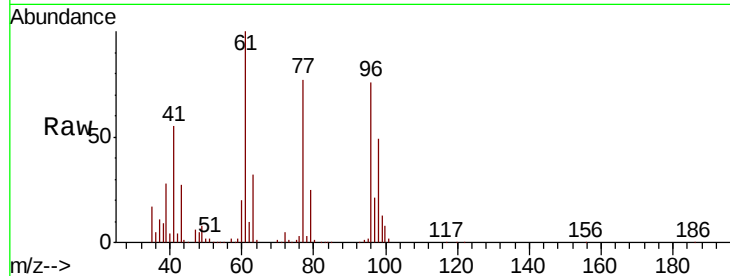


#27

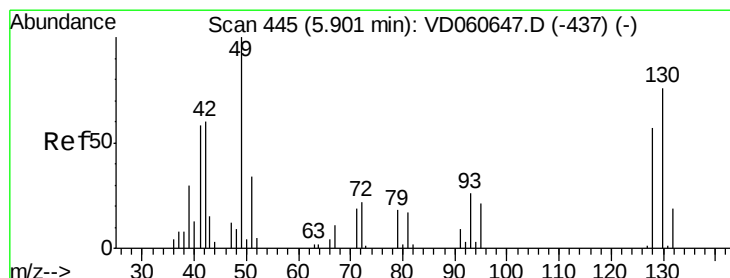
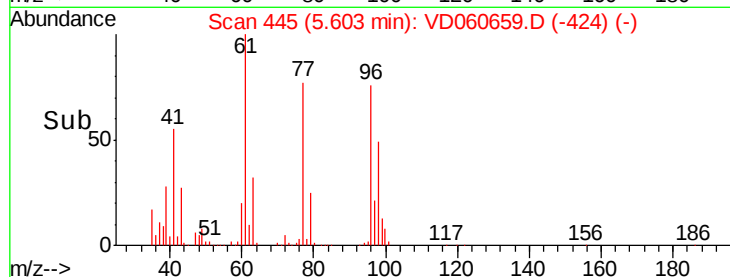
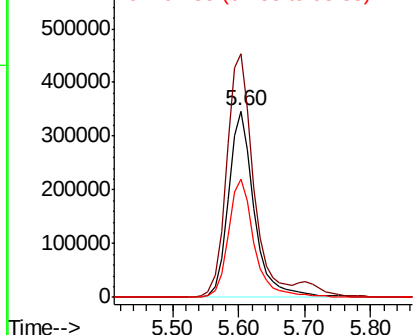
cis-1,2-Dichloroethene
Concen: 46.834 ug/l
RT: 5.60 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	259.4
98	63.6	0.0	130.0



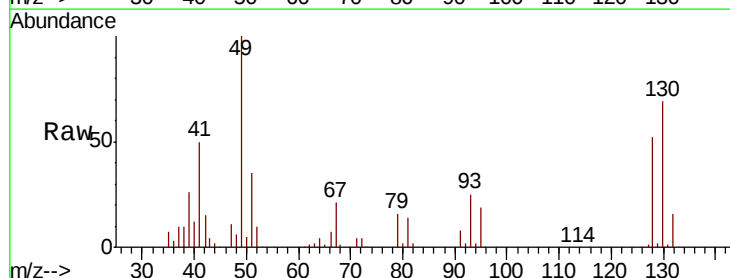
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



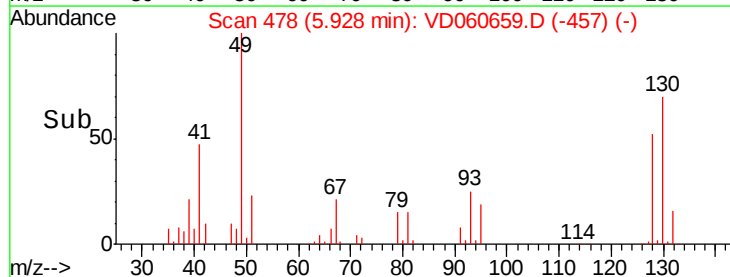
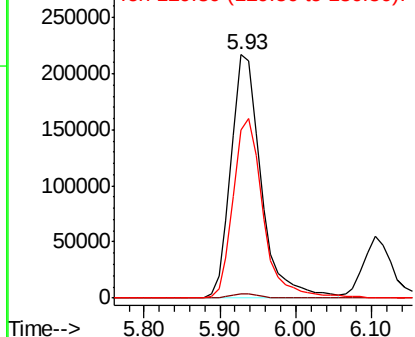
#28

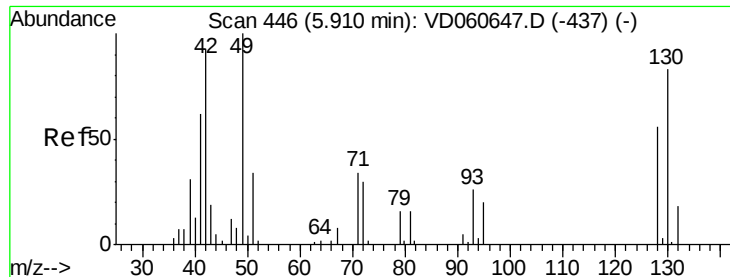
Bromochloromethane
Concen: 44.250 ug/l
RT: 5.93 min Scan# 478
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	69.3	56.2	84.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

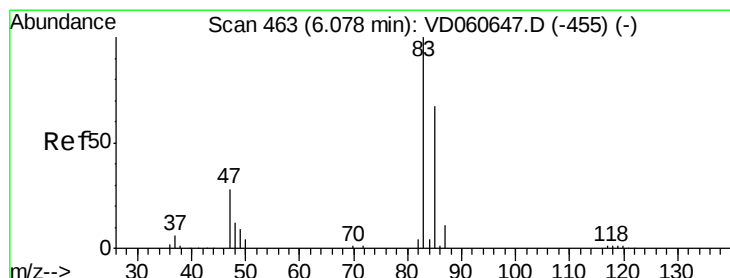
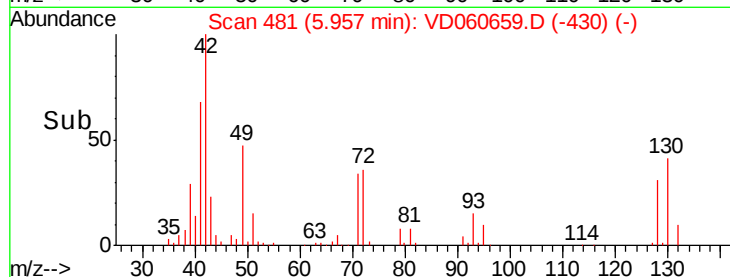
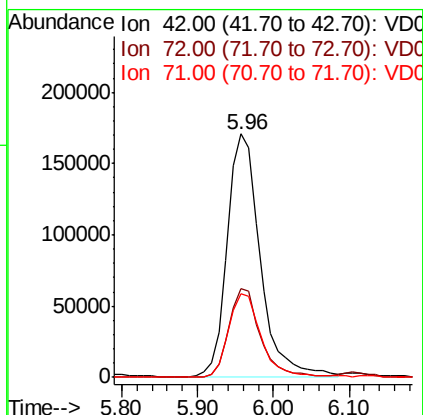
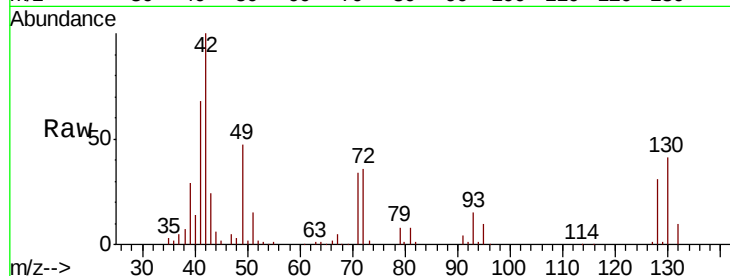




#29
Tetrahydrofuran
Concen: 224.310 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

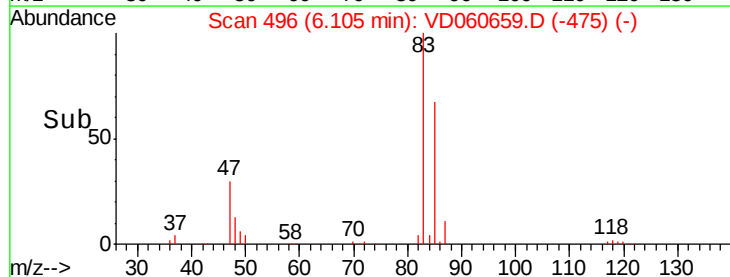
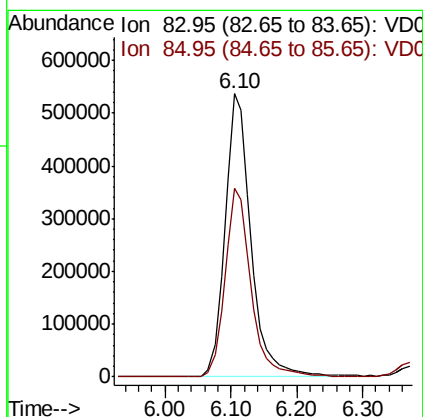
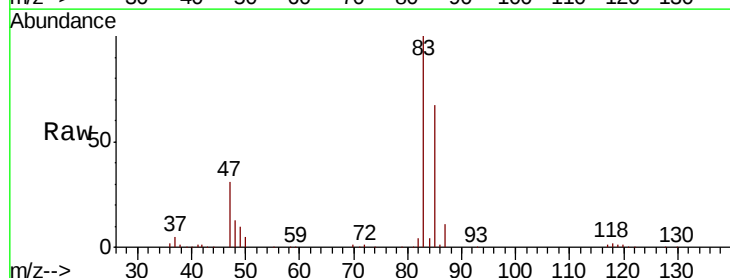
Instrument :
MSVOA_X
ClientSampled :

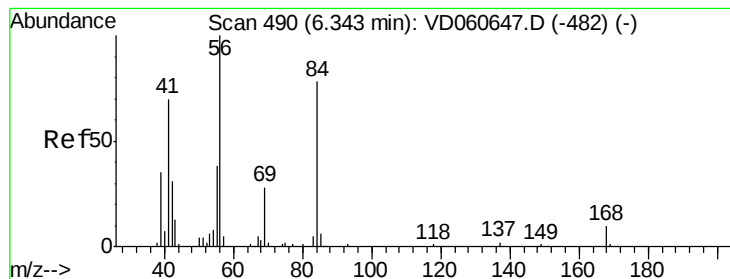
Tot Ion: 42 Resp: 518189
Ion Ratio Lower Upper
42 100
72 34.8 28.0 42.0
71 34.0 27.0 40.6



#30
Chloroform
Concen: 45.752 ug/l
RT: 6.10 min Scan# 496
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 83 Resp: 1473369
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.6





#31

Cyclohexane

Concen: 46.252 ug/l

RT: 6.37 min Scan# 523

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :
MSVOA_X
ClientSampleId :

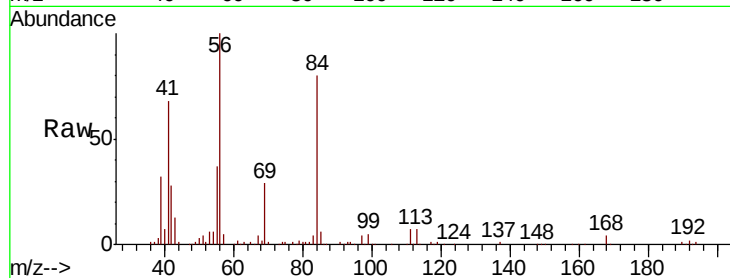
Tot Ion: 56 Resp: 1424508

Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.6	35.4
84	80.3	65.8	98.6

56 100

69 28.9 23.6 35.4

84 80.3 65.8 98.6

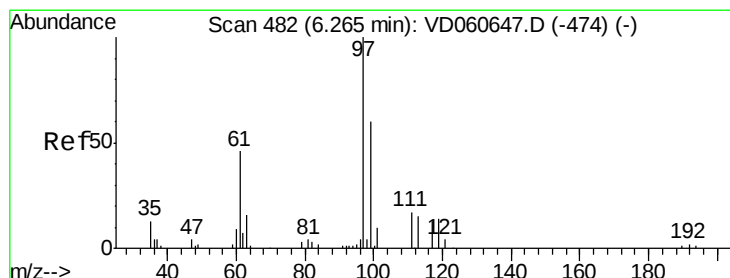
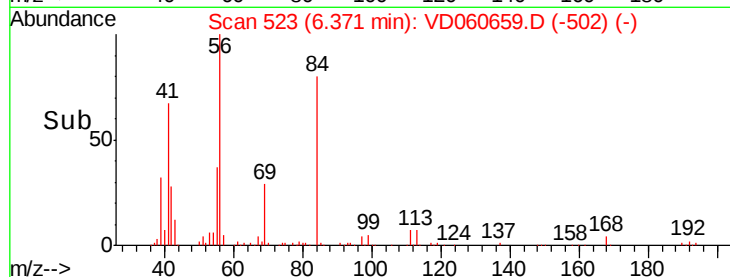
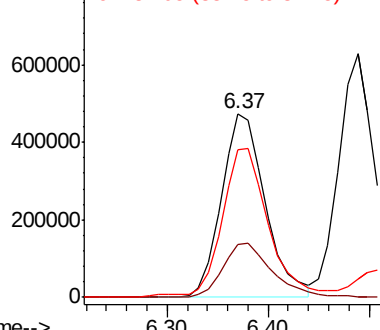


Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 48.107 ug/l

RT: 6.30 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

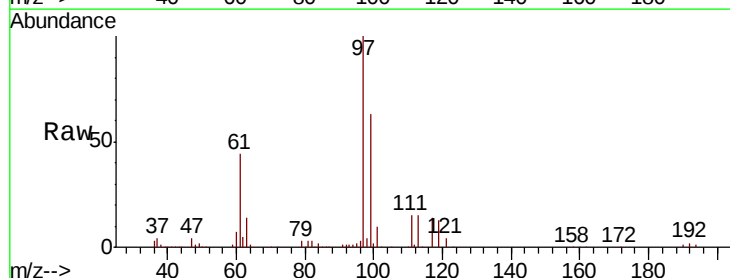
Tgt Ion: 97 Resp: 1281725

Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.5	75.7
61	43.9	34.6	51.8

97 100

99 62.8 50.5 75.7

61 43.9 34.6 51.8

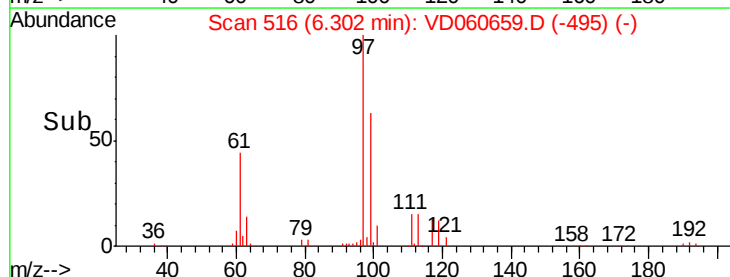
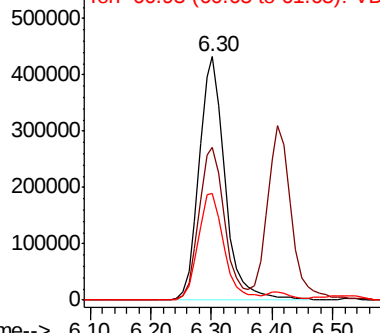


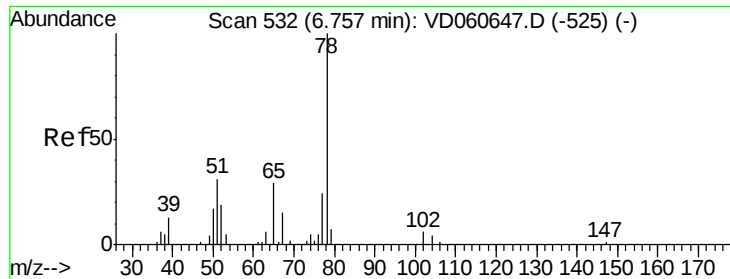
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

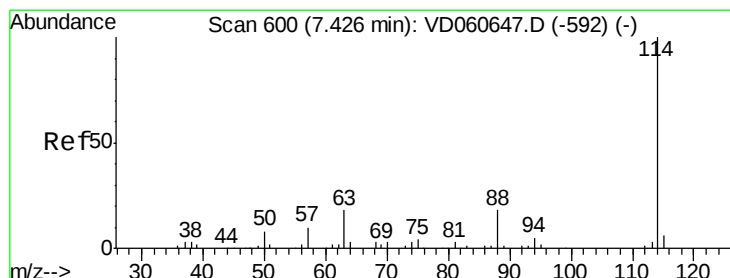
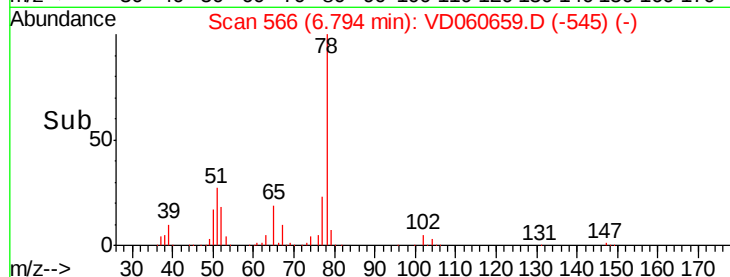
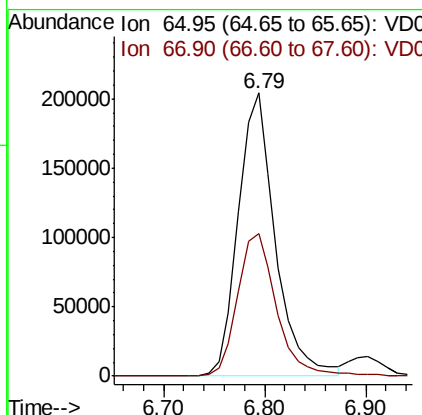
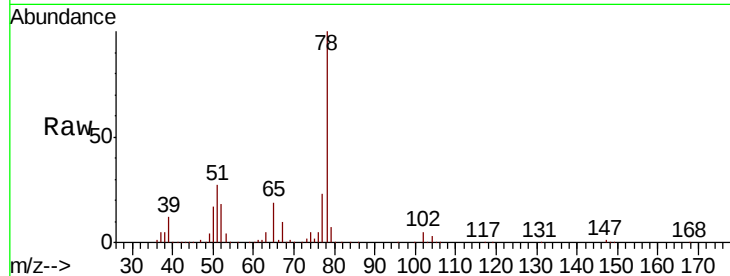




#33
 1,2-Dichloroethane-d4
 Concen: 48.107 ug/l
 RT: 6.79 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

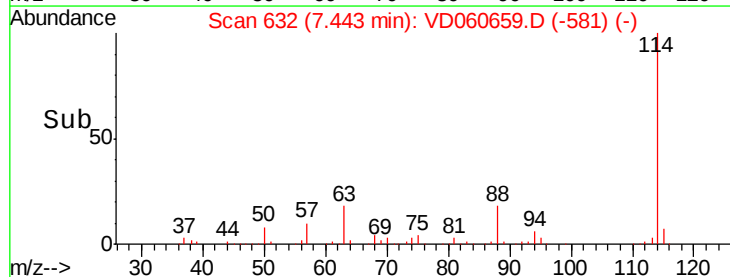
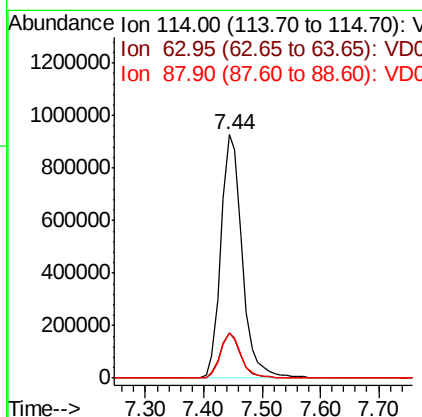
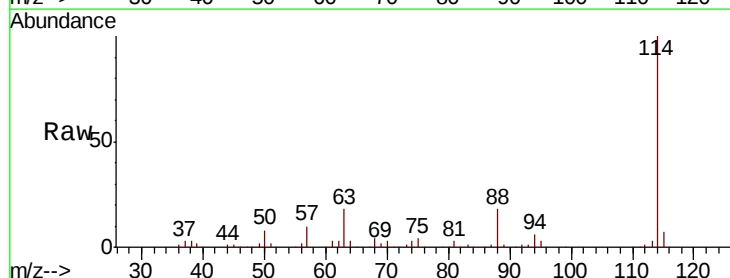
Instrument :
 MSVOA_X
 ClientSampleId :

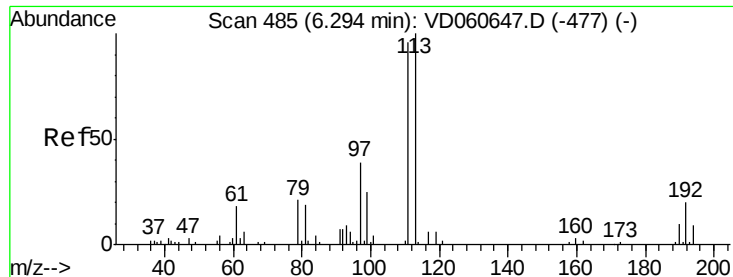
Tot Ion: 65 Resp: 522171
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion: 114 Resp: 2350097
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.2
 88 18.4 0.0 37.0

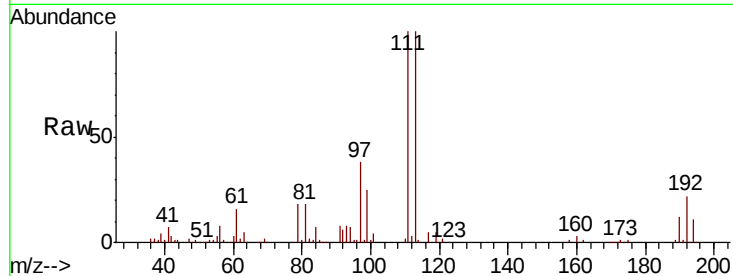




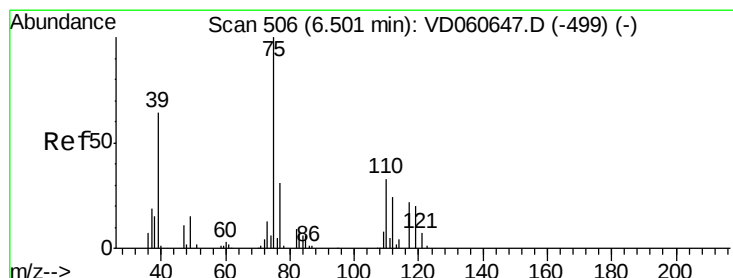
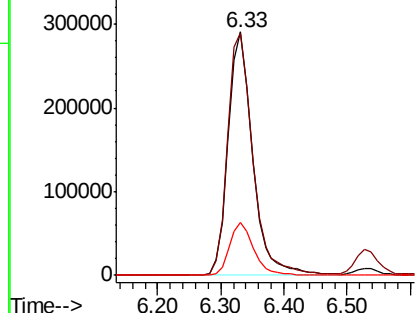
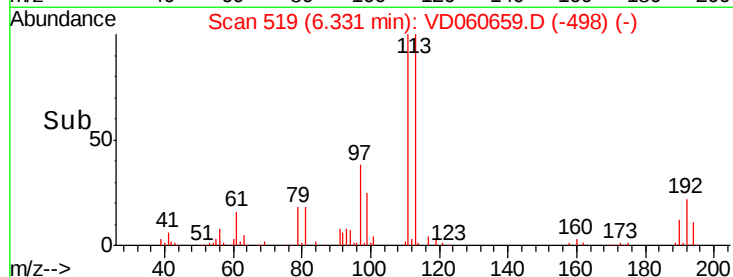
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 783621
 Ion Ratio Lower Upper
 113 100
 111 99.6 80.0 120.0
 192 21.8 16.6 25.0

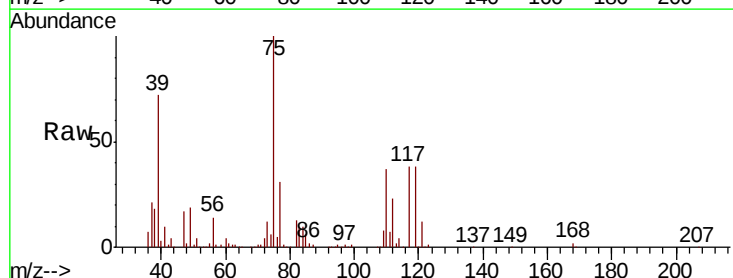


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

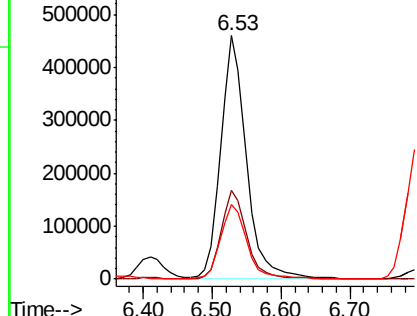
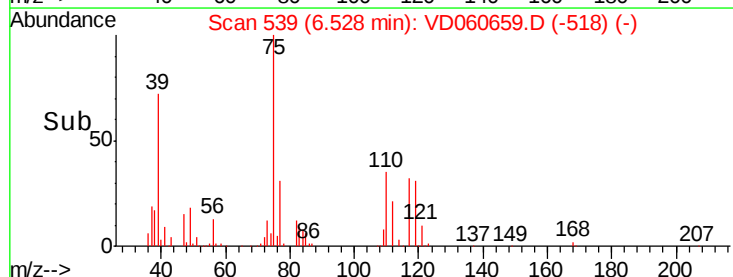


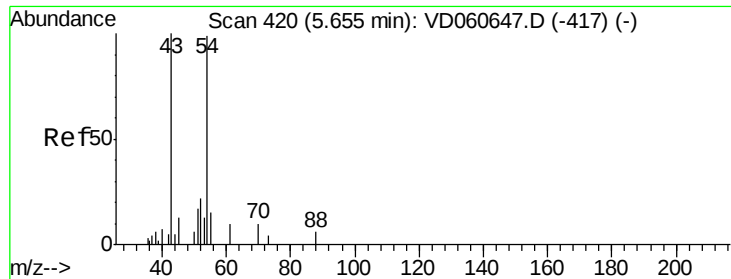
#36
 1,1-Dichloropropene
 Concen: 48.238 ug/l
 RT: 6.53 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion: 75 Resp: 1167344
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.9 56.7
 77 30.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

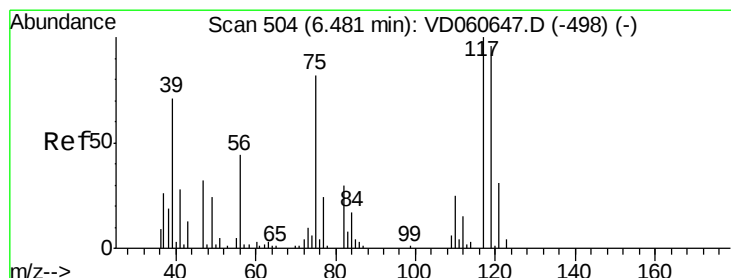
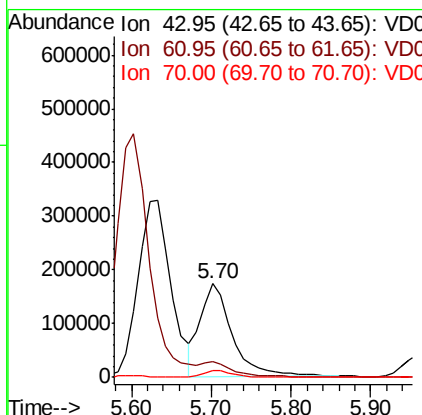
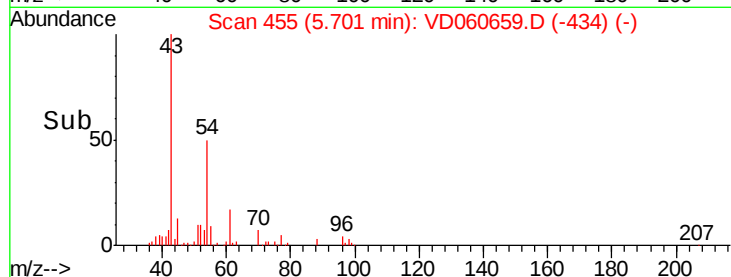
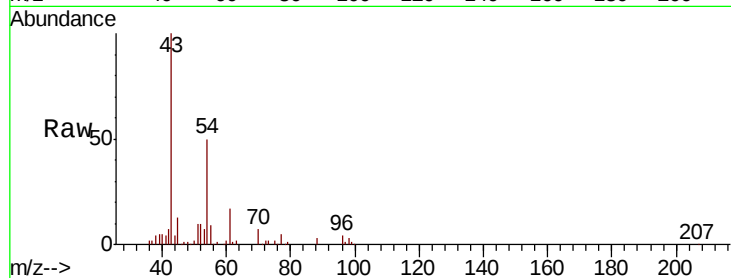




#37
Ethyl Acetate
Concen: 47.515 ug/l
RT: 5.70 min Scan# 455
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

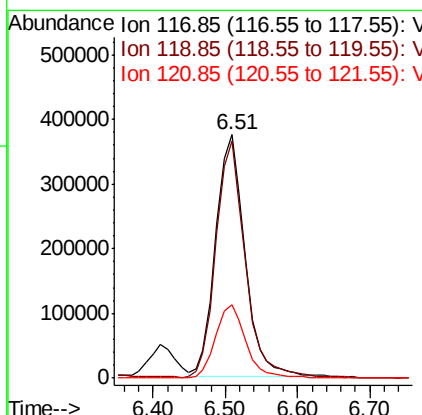
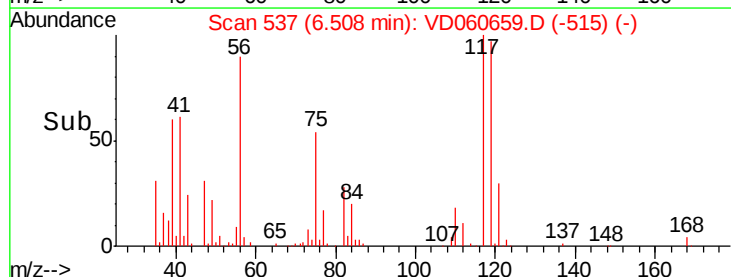
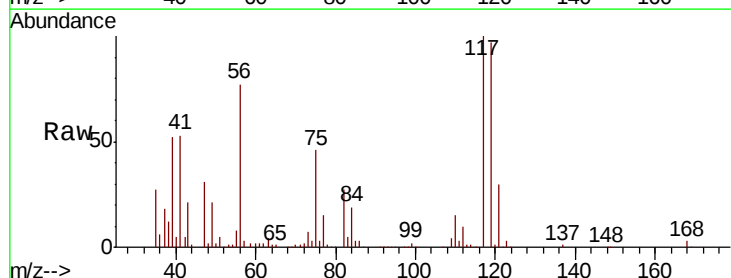
Instrument :
MSVOA_X
ClientSampled :

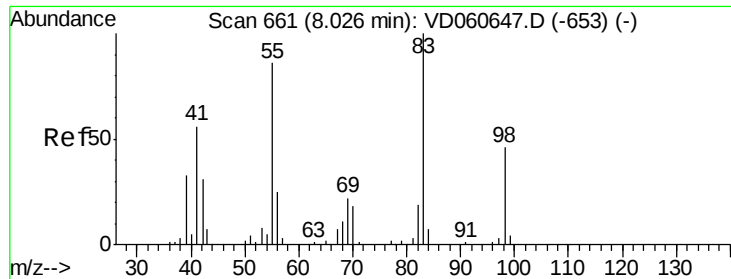
Tot Ion: 43 Resp: 480891
Ion Ratio Lower Upper
43 100
61 17.0 11.8 17.6
70 7.5 5.8 8.6



#38
Carbon Tetrachloride
Concen: 49.614 ug/l
RT: 6.51 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 117 Resp: 1059218
Ion Ratio Lower Upper
117 100
119 97.5 77.0 115.4
121 30.1 24.7 37.1

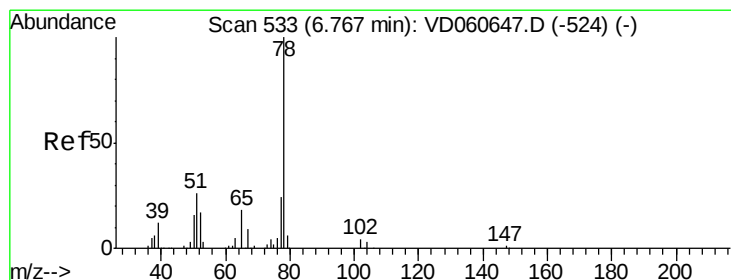
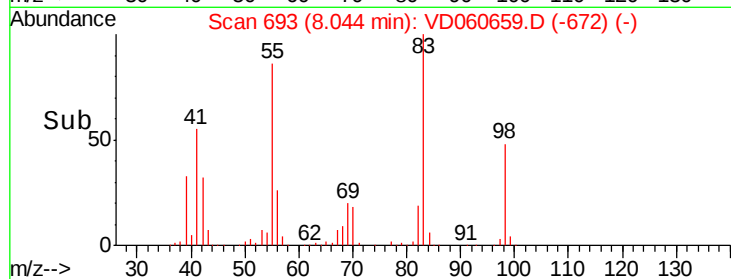
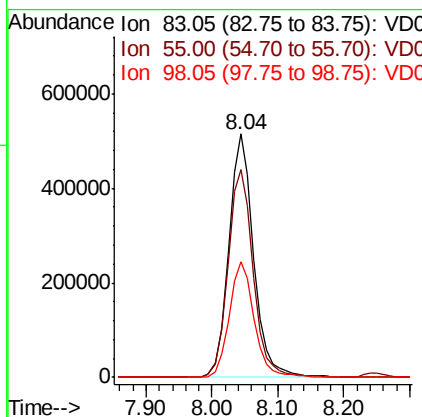
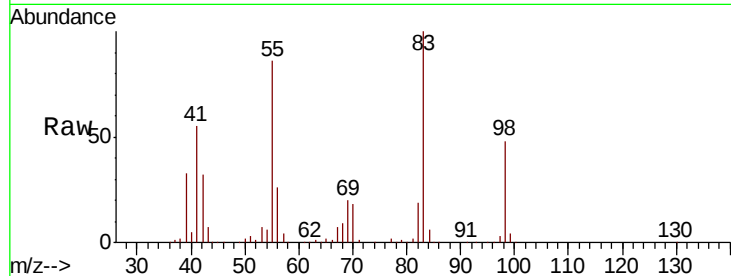




#39
Methvlcvclohexane
Concen: 49.154 ug/l
RT: 8.04 min Scan# 693
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

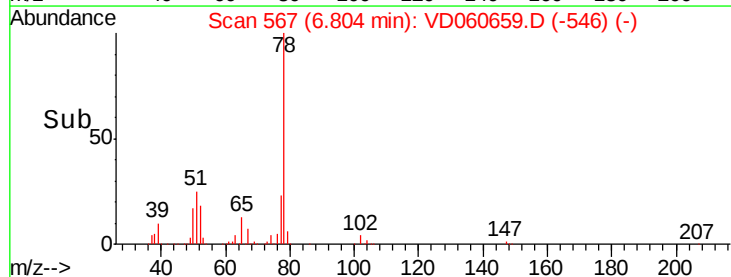
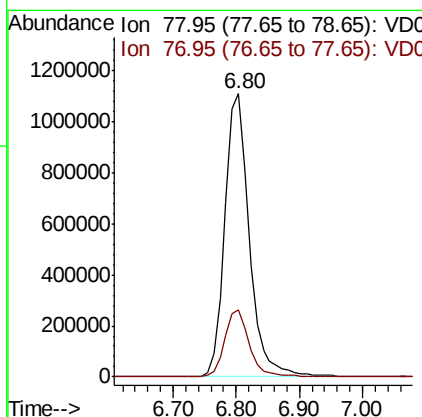
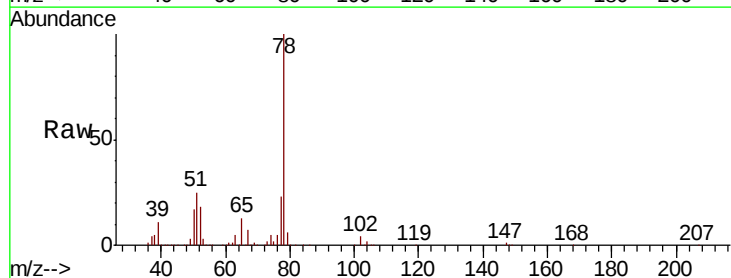
Instrument :
MSVOA_X
ClientSampleId :

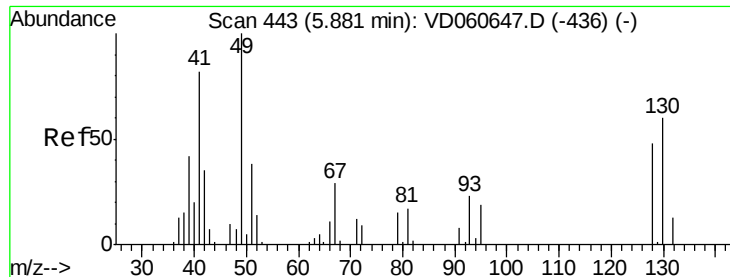
Tot Ion: 83 Resp: 1356626
Ion Ratio Lower Upper
83 100
55 85.6 68.6 102.8
98 47.7 38.1 57.1



#40
Benzene
Concen: 47.853 ug/l
RT: 6.80 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 78 Resp: 2991260
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8

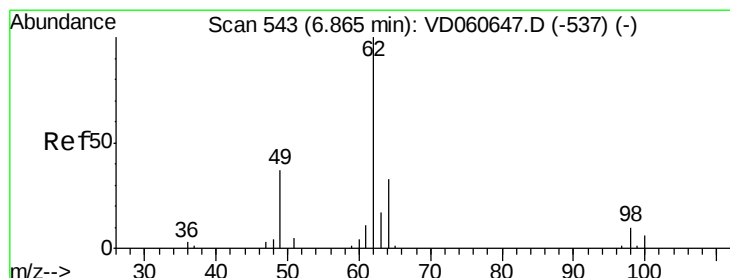
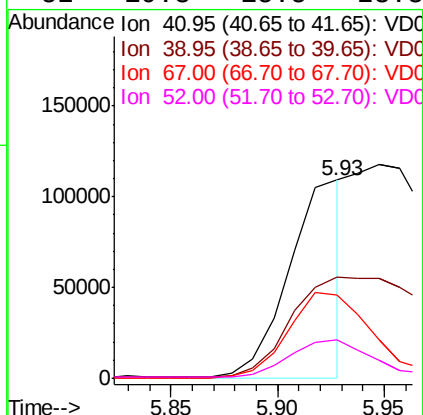
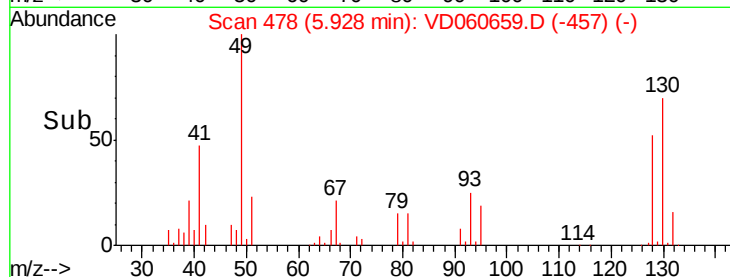
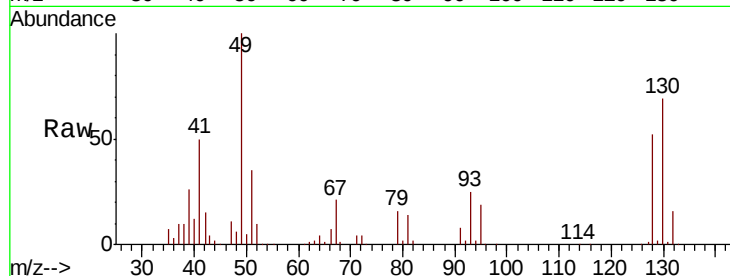




#41
Methacrylonitrile
Concen: 35.045 ug/l m
RT: 5.93 min Scan# 478
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

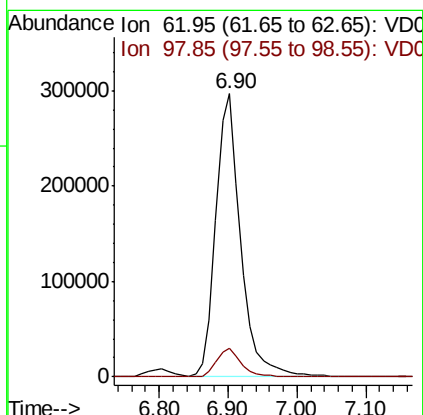
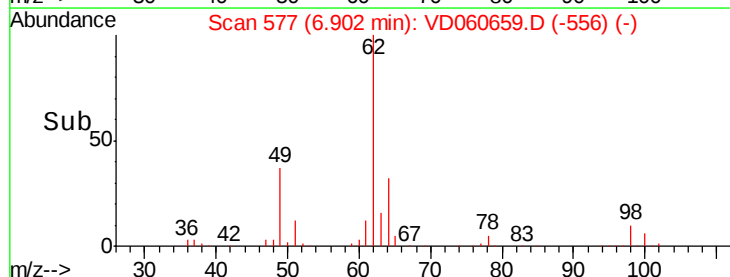
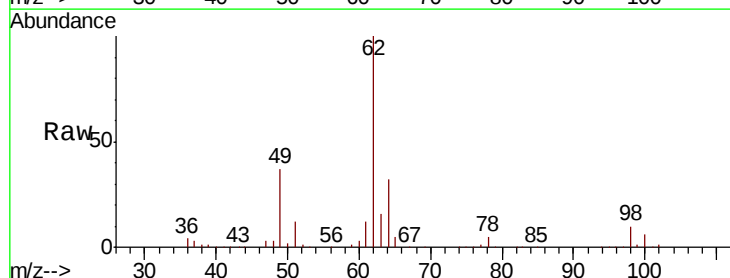
Instrument :
MSVOA_X
ClientSampled :

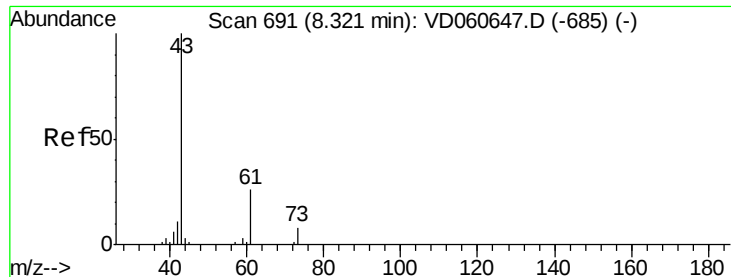
Tot Ion: 41 Resp: 196192
Ion Ratio Lower Upper
41 100
39 51.0 37.6 56.4
67 41.8 33.0 49.6
52 19.3 15.5 23.3



#42
1,2-Dichloroethane
Concen: 47.524 ug/l
RT: 6.90 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 62 Resp: 737195
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.4





#43

Isopropyl Acetate

Concen: 47.994 ug/l

RT: 8.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

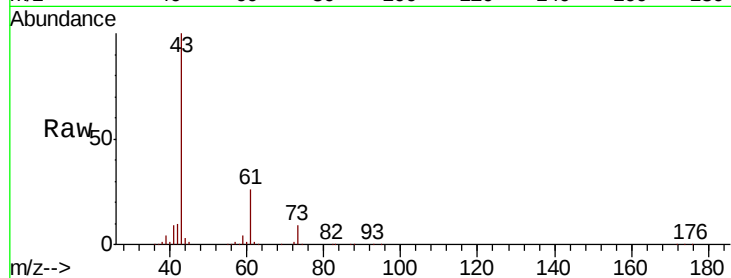
Tot Ion: 43 Resp: 623346

Ion Ratio Lower Upper

43 100

61 26.5 21.8 32.8

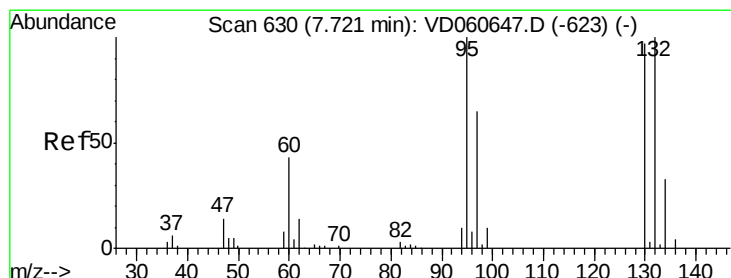
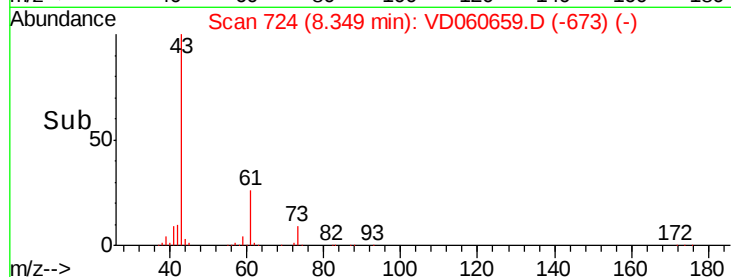
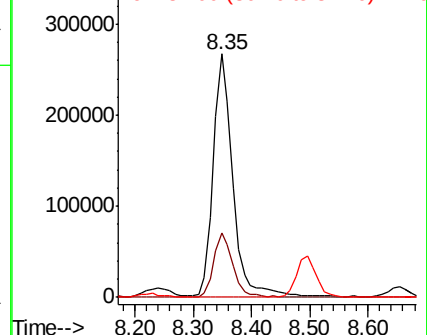
87 0.1 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.117 ug/l

RT: 7.75 min Scan# 663

Delta R.T. 0.00 min

Lab File: VD060659.D

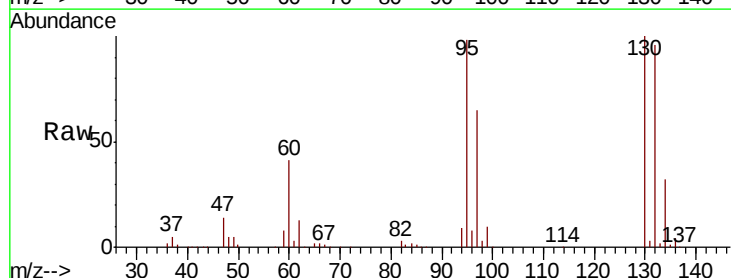
Acq: 20 Dec 2018 15:18

Tgt Ion:130 Resp: 927230

Ion Ratio Lower Upper

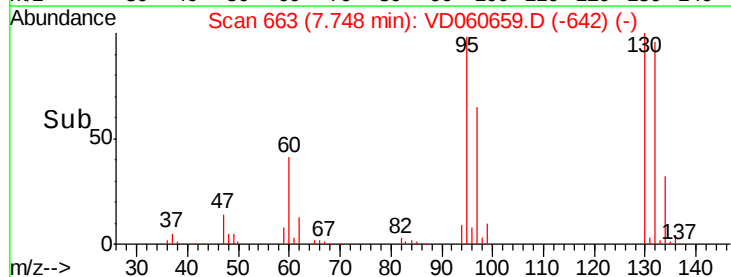
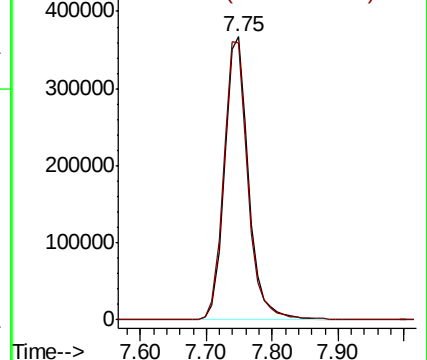
130 100

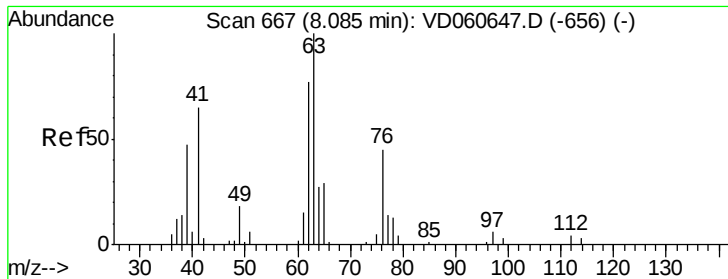
95 97.9 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.066 ug/l

RT: 8.10 min Scan# 699

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

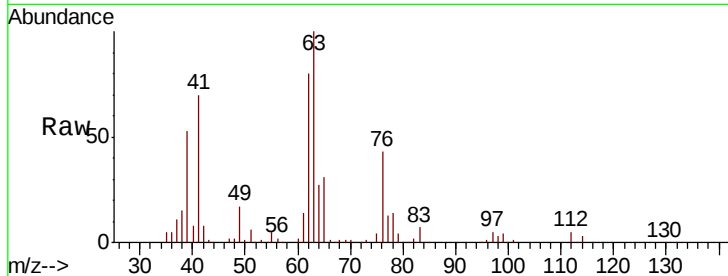
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 63 Resp: 721513

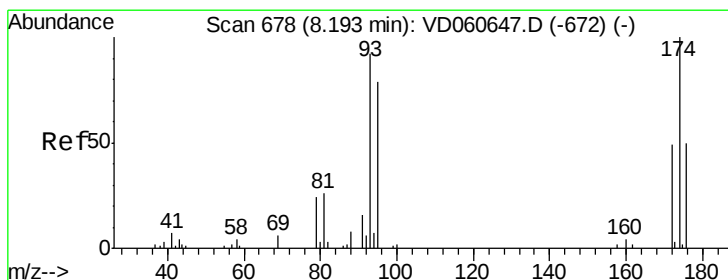
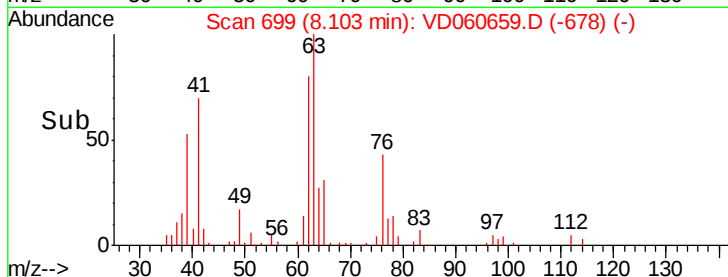
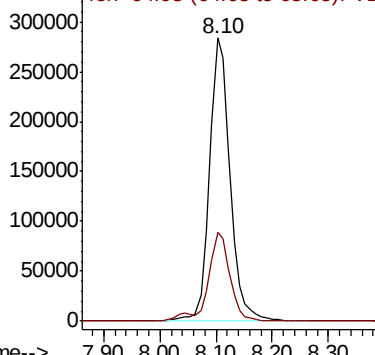
Ion Ratio Lower Upper

63 100

65 31.4 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.301 ug/l

RT: 8.22 min Scan# 711

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

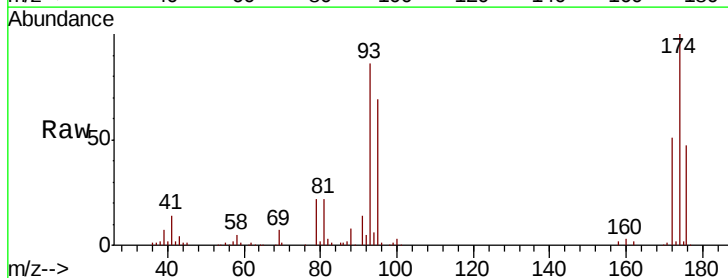
Tgt Ion: 93 Resp: 422594

Ion Ratio Lower Upper

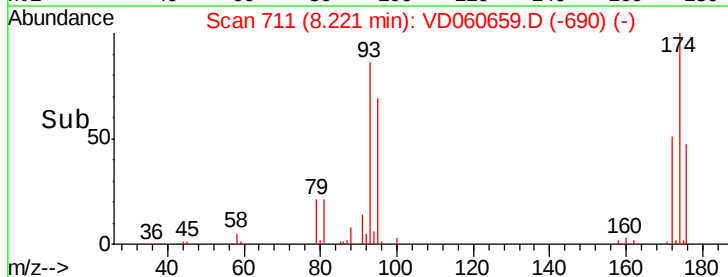
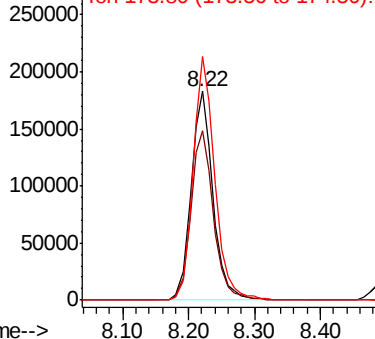
93 100

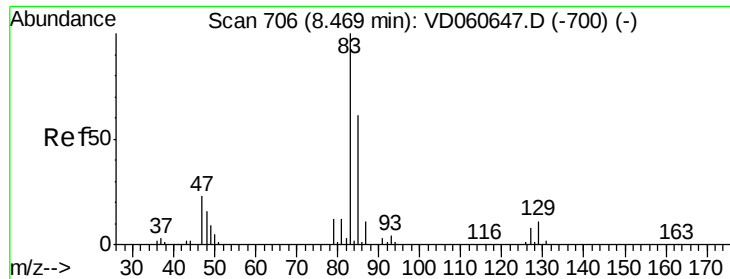
95 81.0 68.8 103.2

174 116.7 93.0 139.4



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 49.121 ug/l

RT: 8.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampled :

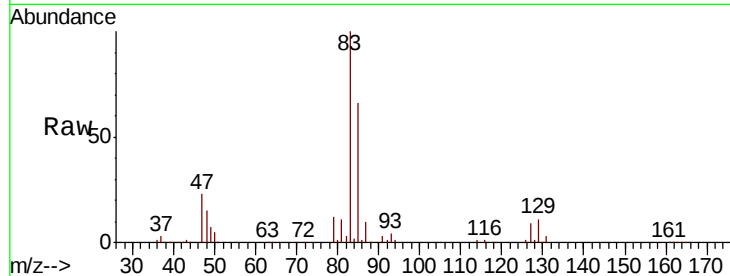
Tot Ion: 83 Resp: 1017897

Ion Ratio Lower Upper

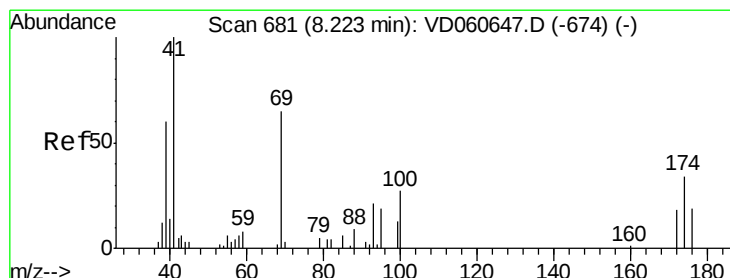
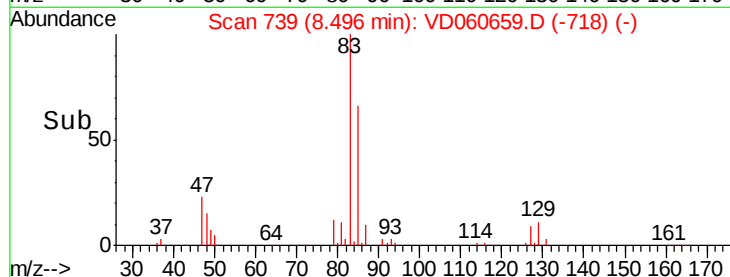
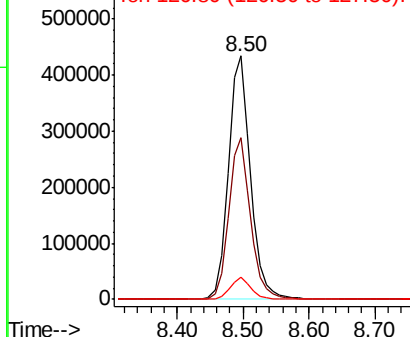
83 100

85 66.4 51.1 76.7

127 8.9 7.0 10.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.997 ug/l

RT: 8.25 min Scan# 714

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

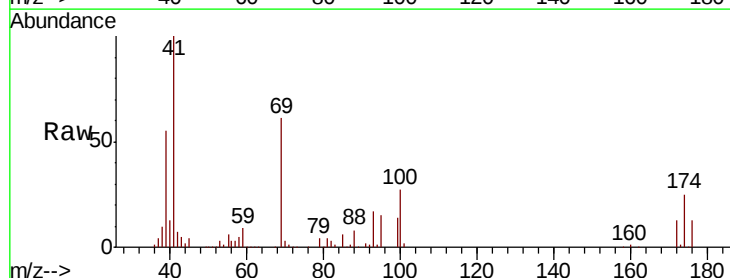
Tgt Ion: 41 Resp: 394400

Ion Ratio Lower Upper

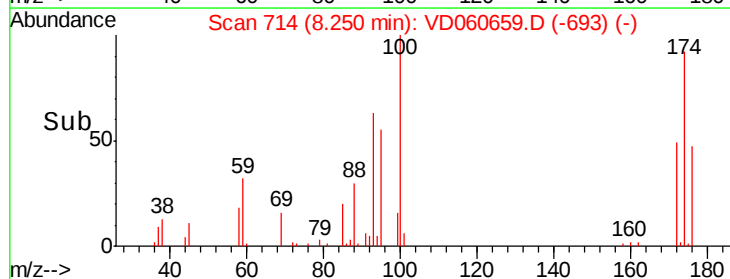
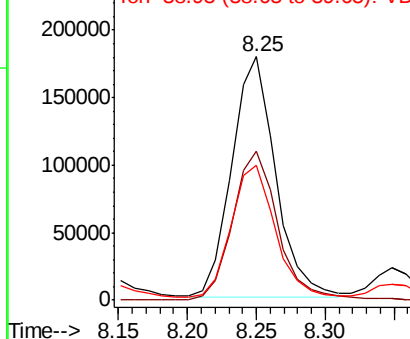
41 100

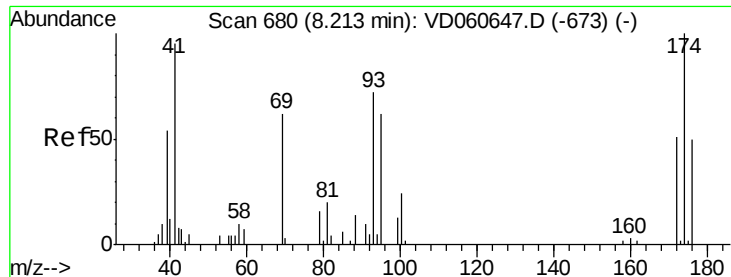
69 61.3 51.2 76.8

39 55.3 44.6 67.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

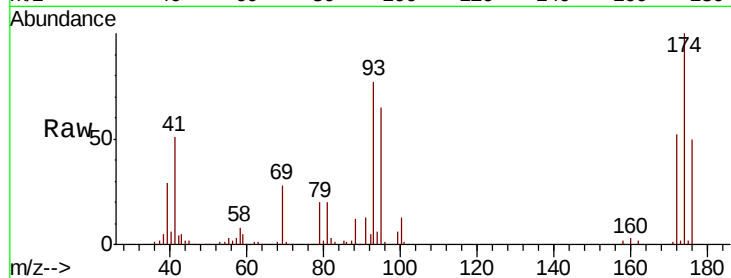




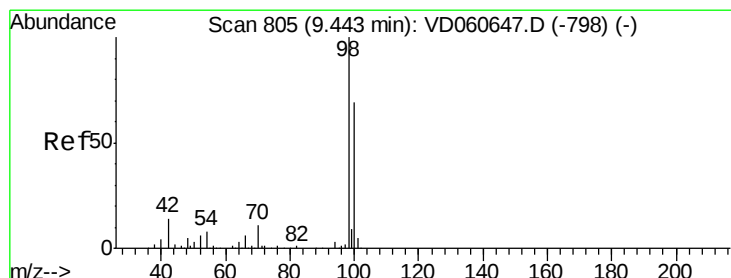
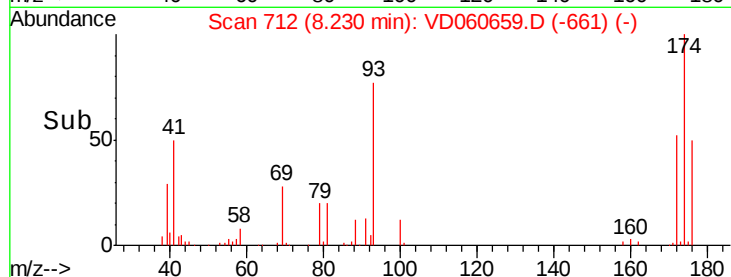
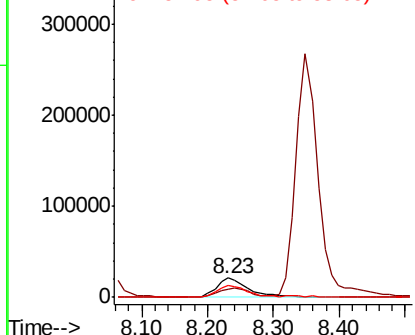
#49
1,4-Dioxane
Concen: 995.478 ug/l
RT: 8.23 min Scan# 712
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 73014
Ion Ratio Lower Upper
88 100
43 42.5 31.5 47.3
58 65.3 50.6 76.0

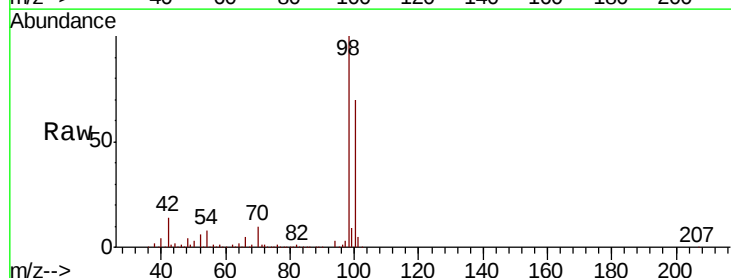


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

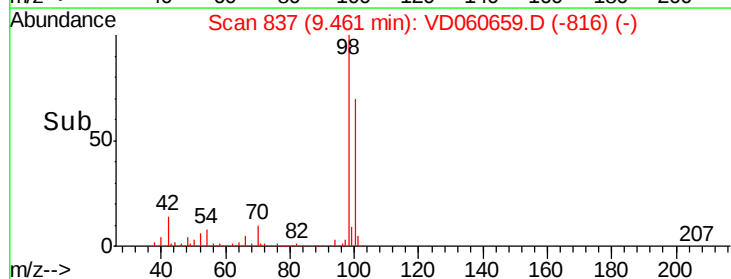
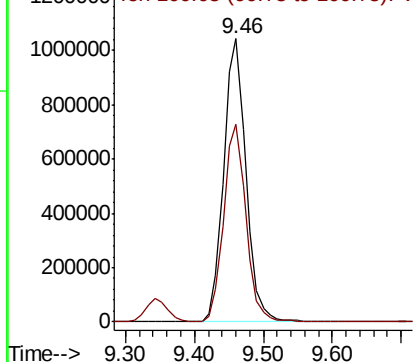


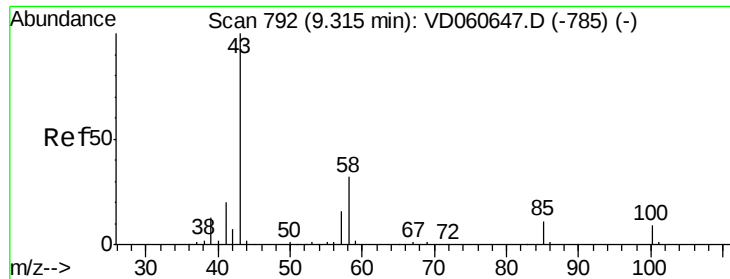
#50
Toluene-d8
Concen: 995.478 ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 98 Resp: 2333531
Ion Ratio Lower Upper
98 100
100 69.9 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 237.685 ug/l

RT: 9.34 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

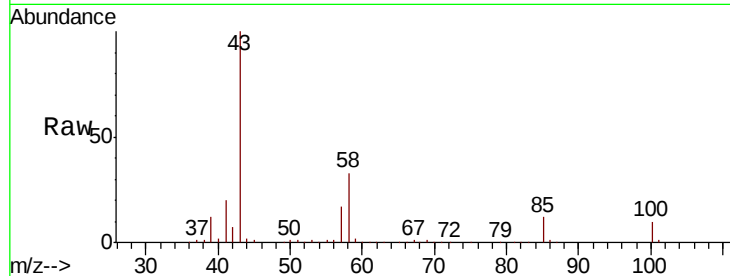
ClientSampleId :

Tot Ion: 43 Resp: 1891338

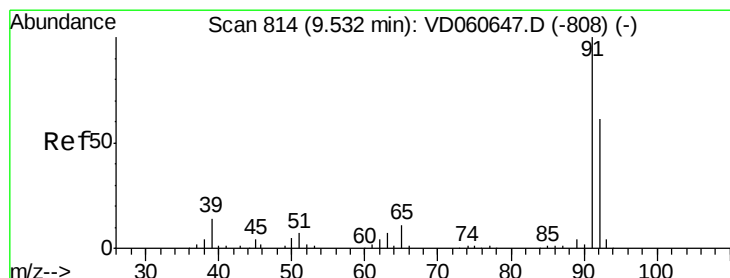
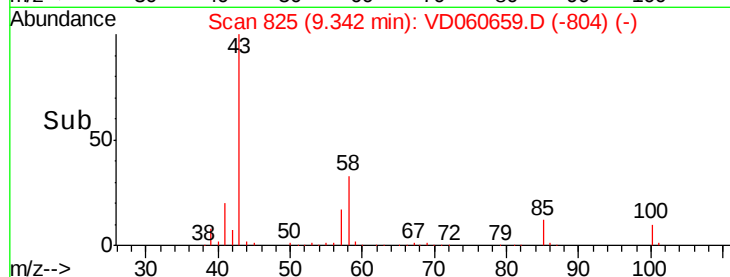
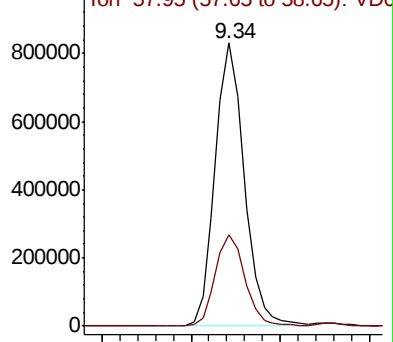
Ion Ratio Lower Upper

43 100

58 32.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VD060647.D (-785) (-)



#52

Toluene

Concen: 48.117 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060659.D

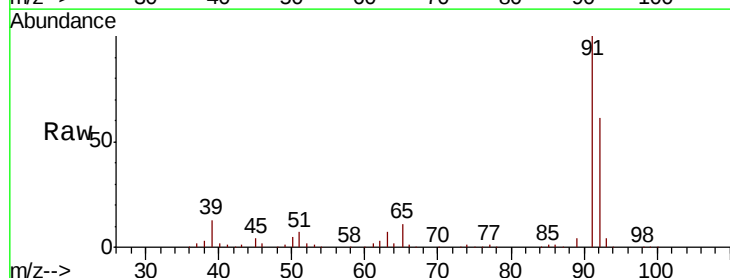
Acq: 20 Dec 2018 15:18

Tgt Ion: 92 Resp: 1885539

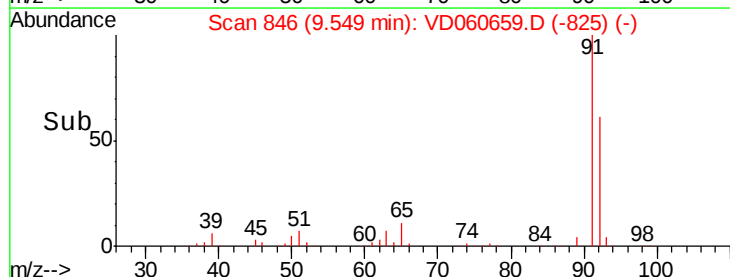
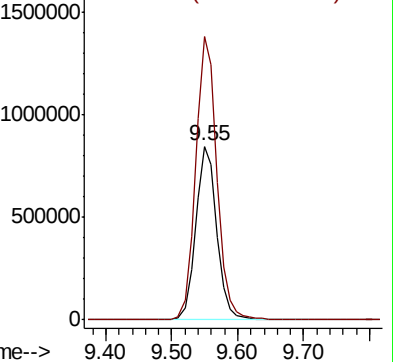
Ion Ratio Lower Upper

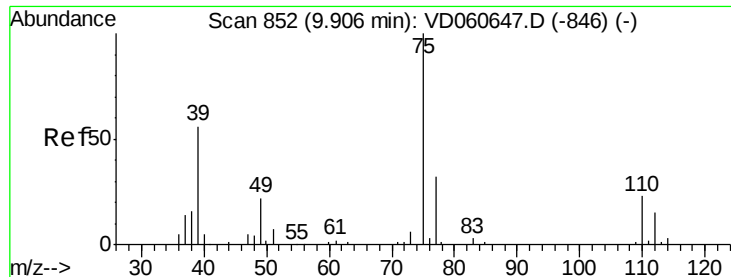
92 100

91 162.8 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VD060647.D (-808) (-)





#53

t-1,3-Dichloropropene

Concen: 48.489 ug/l

RT: 9.92 min Scan# 884

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

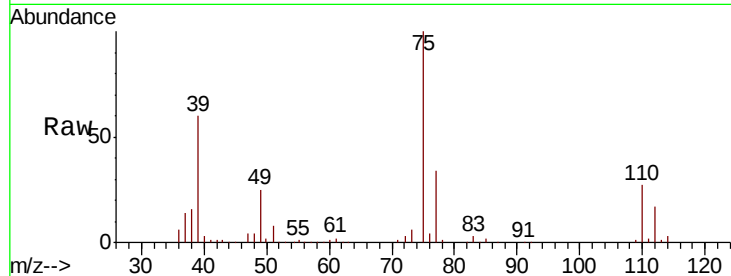
ClientSampled :

Tot Ion: 75 Resp: 838290

Ion Ratio Lower Upper

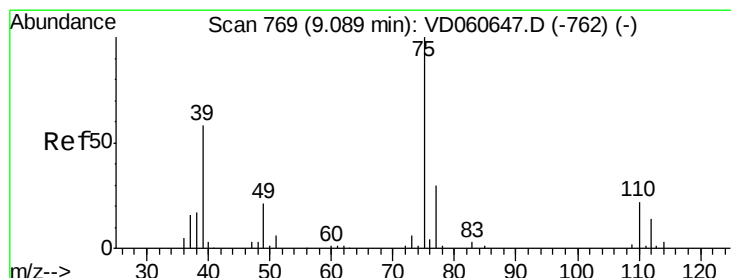
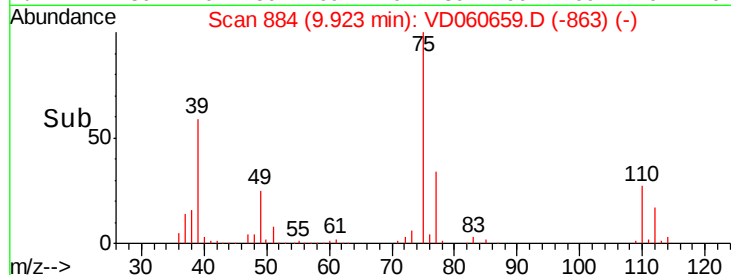
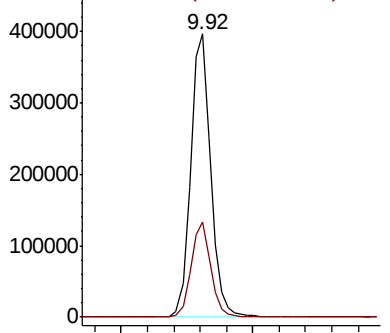
75 100

77 33.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 47.194 ug/l

RT: 9.11 min Scan# 801

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

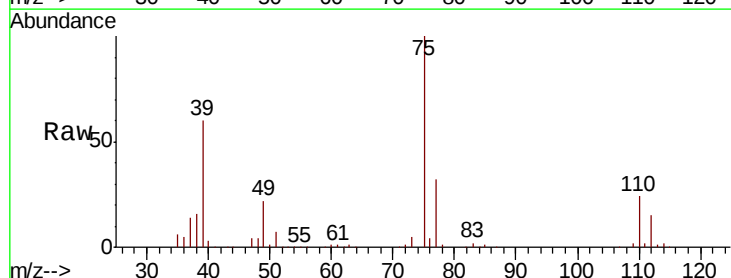
Tgt Ion: 75 Resp: 1067927

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2

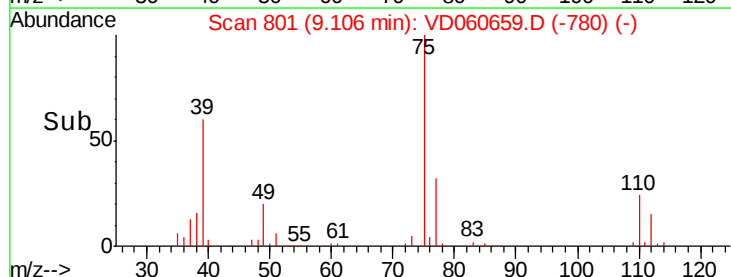
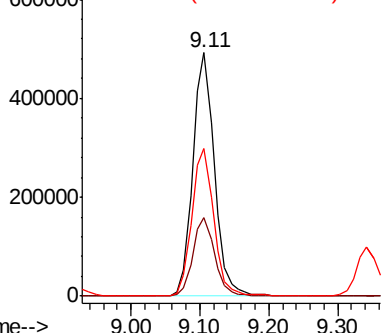
39 60.4 47.0 70.4

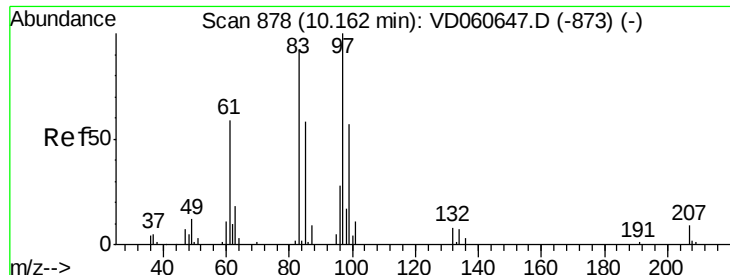


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 47.126 ug/l

RT: 10.18 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 496869

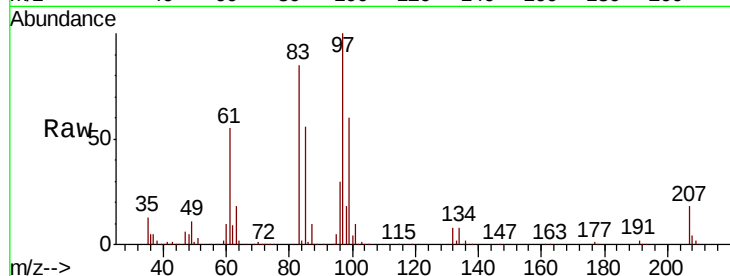
Ion Ratio Lower Upper

97 100

83 84.7 70.0 105.0

85 56.5 46.6 70.0

99 59.9 49.6 74.4

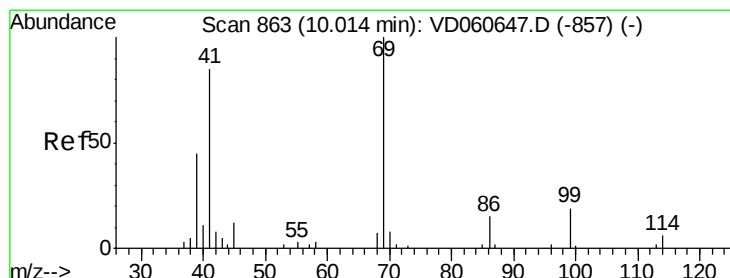
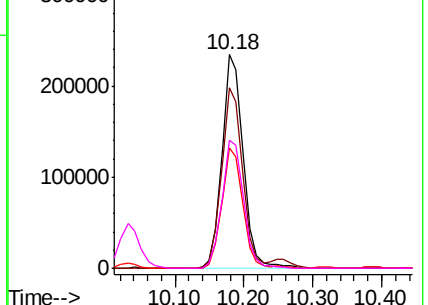
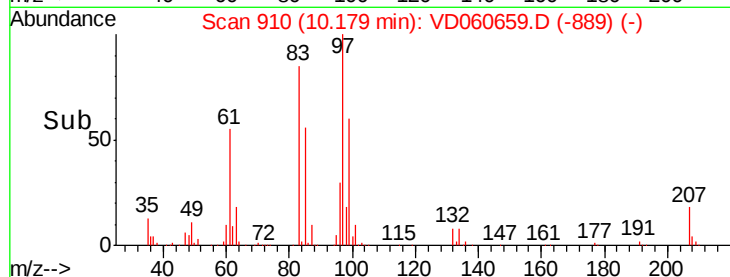


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 49.524 ug/l

RT: 10.03 min Scan# 895

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

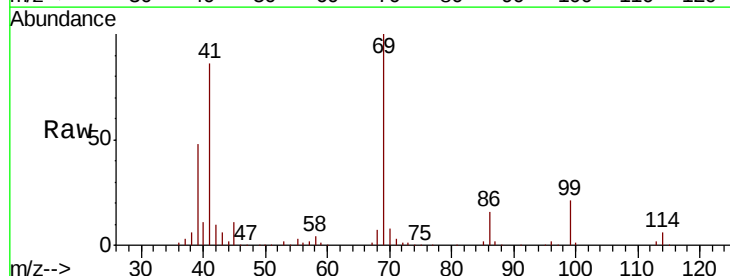
Tgt Ion: 69 Resp: 484988

Ion Ratio Lower Upper

69 100

41 86.4 68.3 102.5

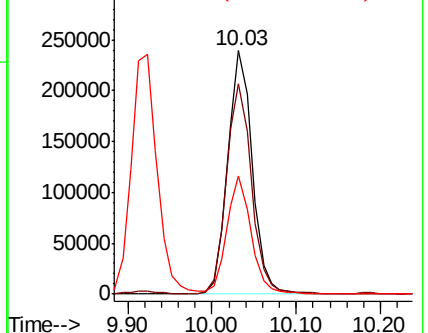
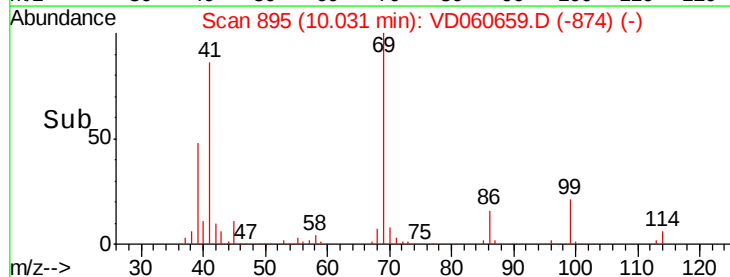
39 48.3 37.2 55.8

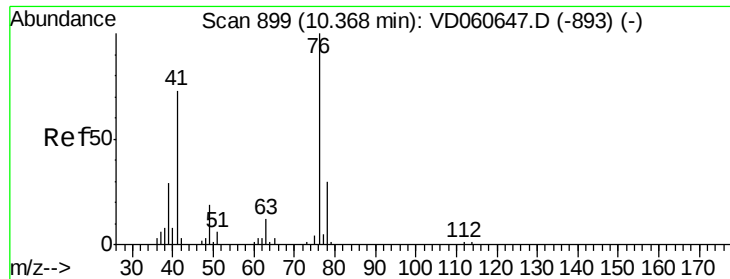


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 48.152 ug/l

RT: 10.39 min Scan# 931

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

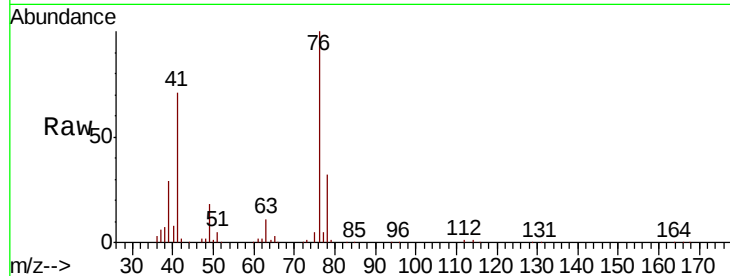
ClientSampleId :

Tot Ion: 76 Resp: 804714

Ion Ratio Lower Upper

76 100

78 31.8 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

400000

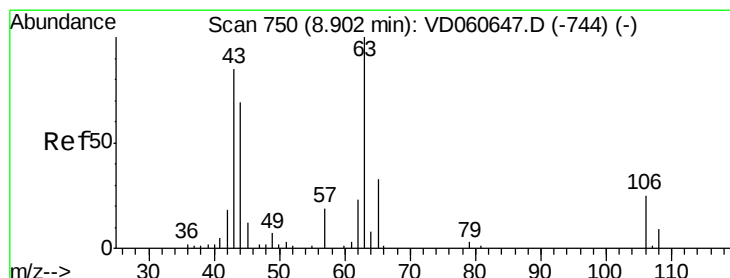
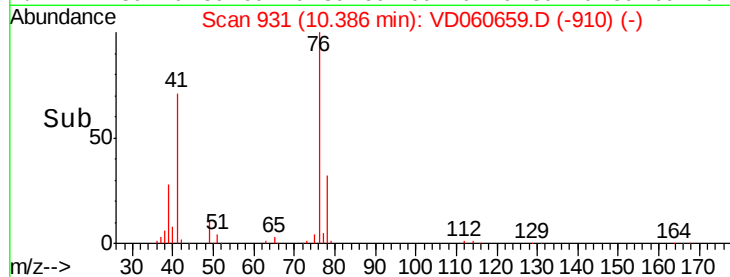
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 228.590 ug/l

RT: 8.93 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD060659.D

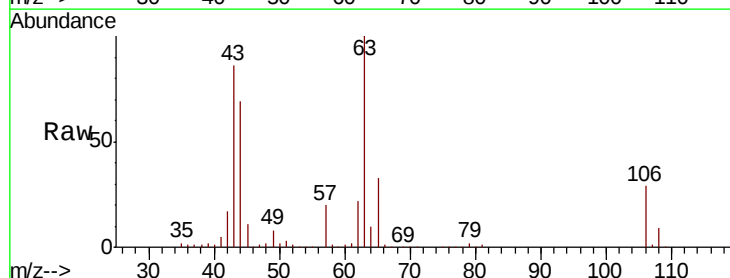
Acq: 20 Dec 2018 15:18

Tgt Ion: 63 Resp: 1319035

Ion Ratio Lower Upper

63 100

106 28.6 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.93

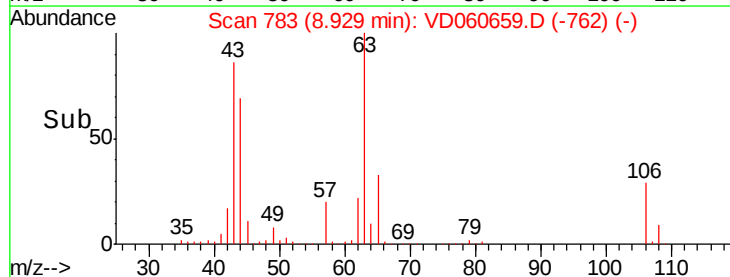
600000

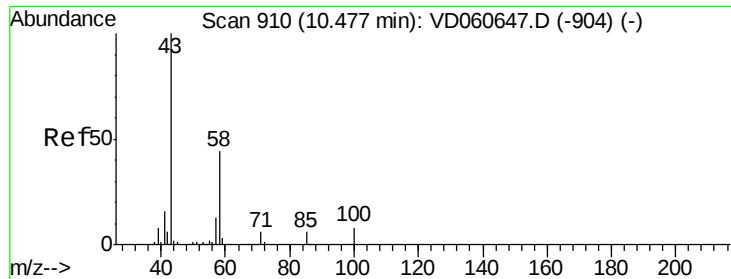
400000

200000

0

Time-->

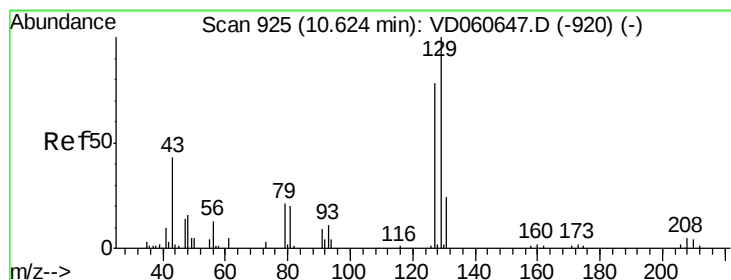
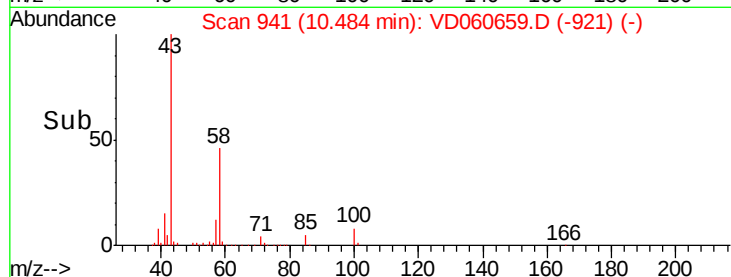
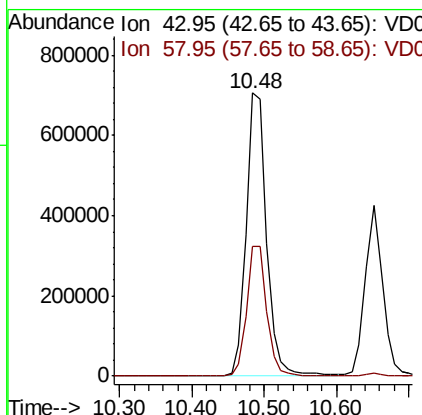
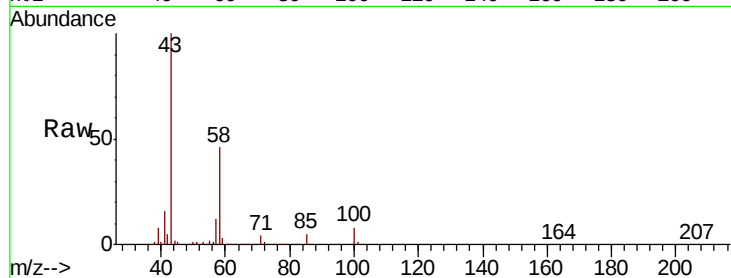




#59
2-Hexanone
Concen: 251.544 ug/l
RT: 10.48 min Scan# 941
Delta R.T. -0.01 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

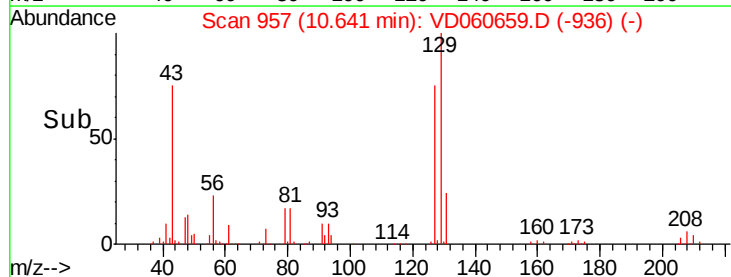
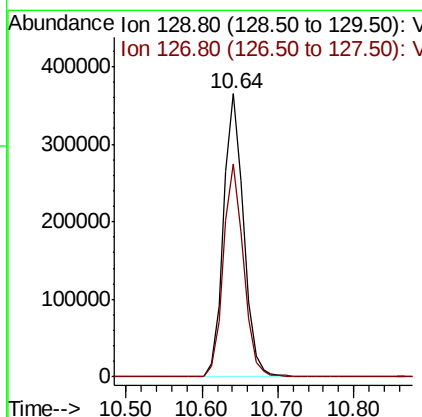
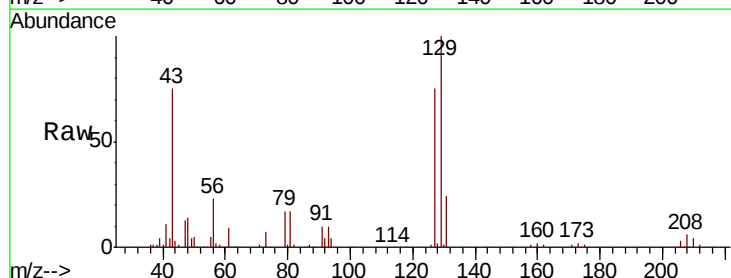
Instrument :
MSVOA_X
ClientSampleId :

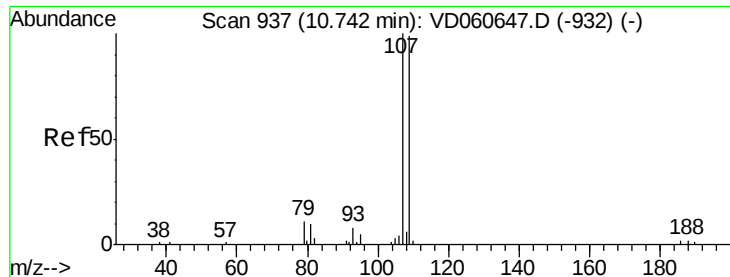
Tot Ion: 43 Resp: 1401064
Ion Ratio Lower Upper
43 100
58 45.7 23.5 70.5



#60
Dibromochloromethane
Concen: 50.032 ug/l
RT: 10.64 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion:129 Resp: 671917
Ion Ratio Lower Upper
129 100
127 75.4 37.6 112.9





#61

1,2-Dibromoethane

Concen: 49.545 ug/l

RT: 10.76 min Scan# 969

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

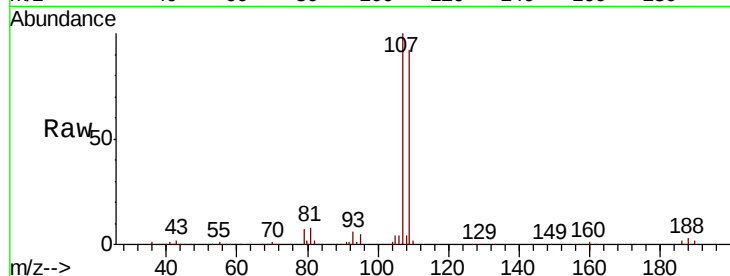
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 107 Resp: 541828

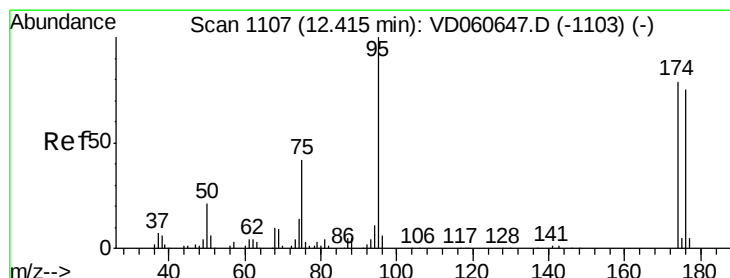
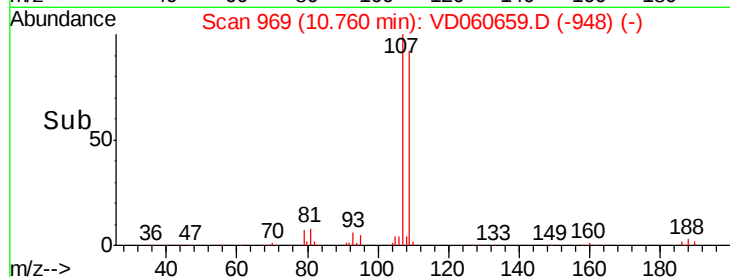
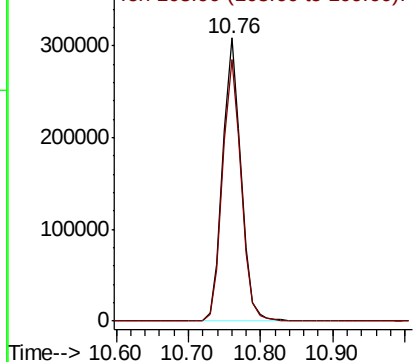
Ion Ratio Lower Upper

107 100

109 92.3 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.545 ug/l

RT: 12.42 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

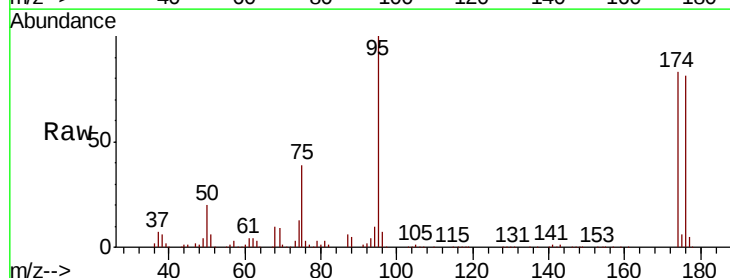
Tgt Ion: 95 Resp: 813113

Ion Ratio Lower Upper

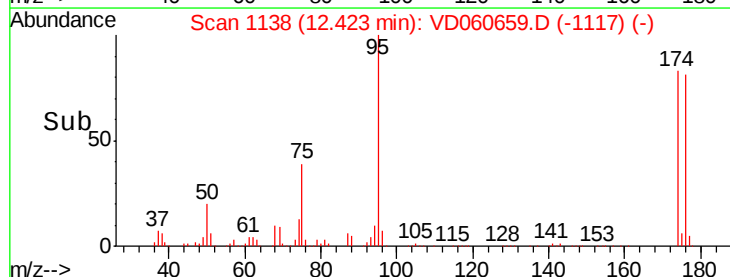
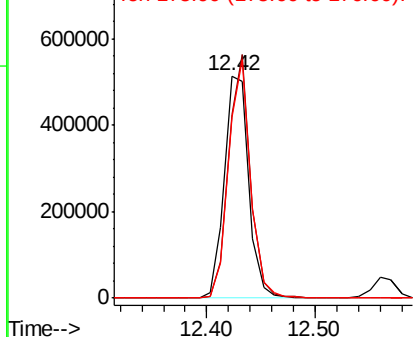
95 100

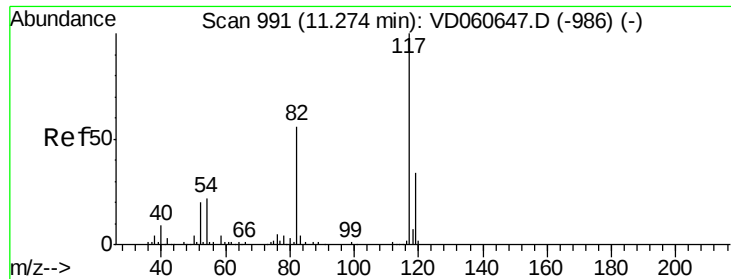
174 82.6 0.0 158.2

176 81.2 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 1022

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampled :

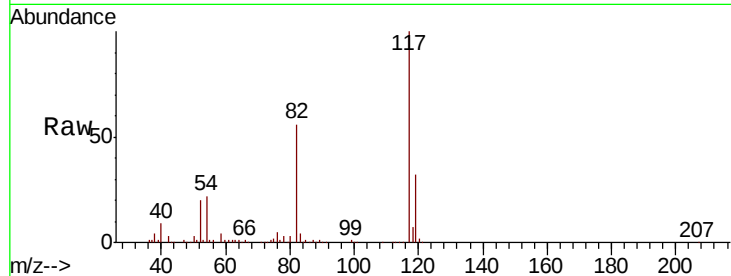
Tot Ion:117 Resp: 1879087

Ion Ratio Lower Upper

117 100

82 55.5 44.5 66.7

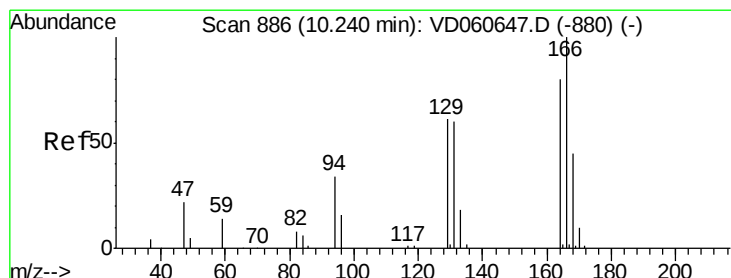
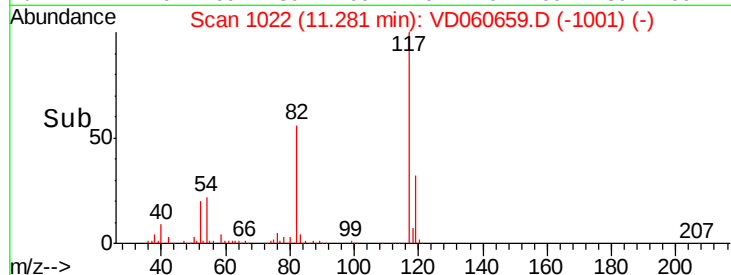
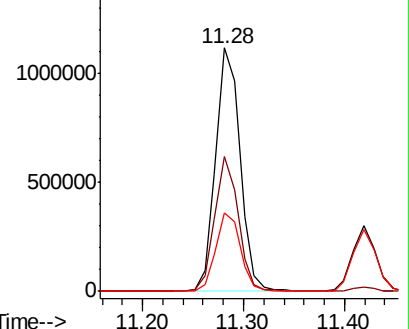
119 32.2 26.3 39.5



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 48.698 ug/l

RT: 10.26 min Scan# 918

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Tgt Ion:164 Resp: 829391

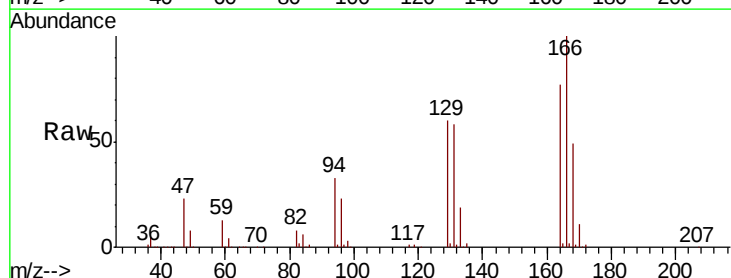
Ion Ratio Lower Upper

164 100

166 130.2 104.4 156.6

129 78.6 62.7 94.1

131 76.1 61.1 91.7

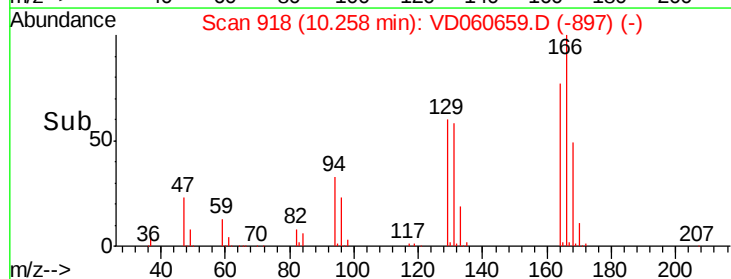
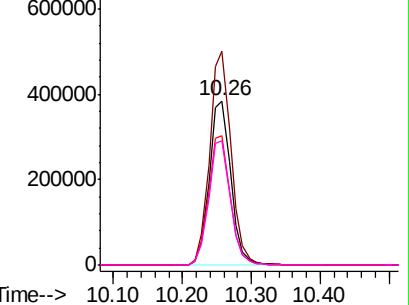


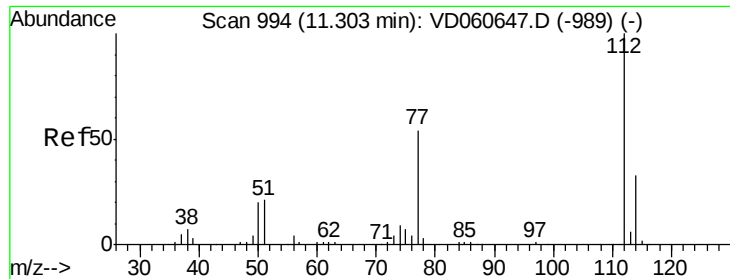
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

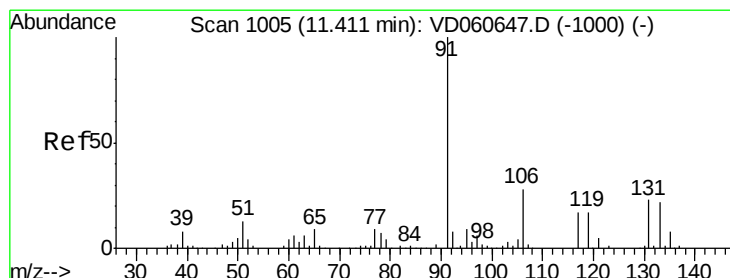
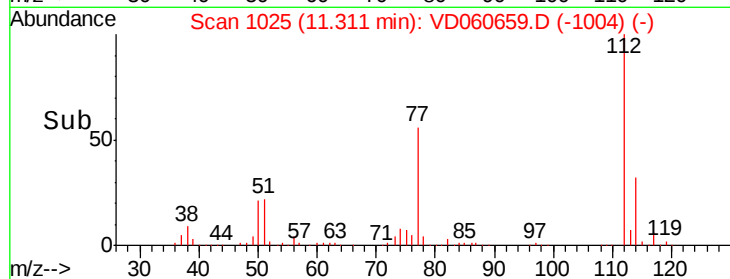
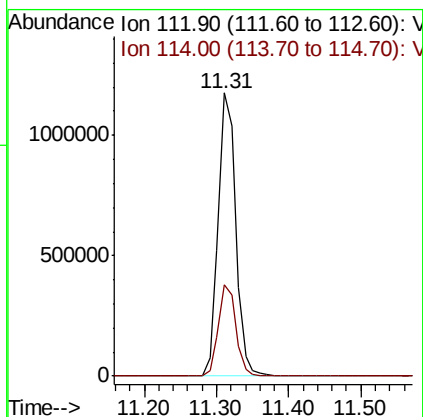
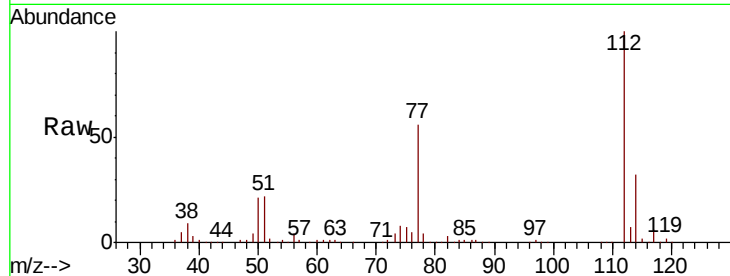




#65
Chlorobenzene
Concen: 47.382 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

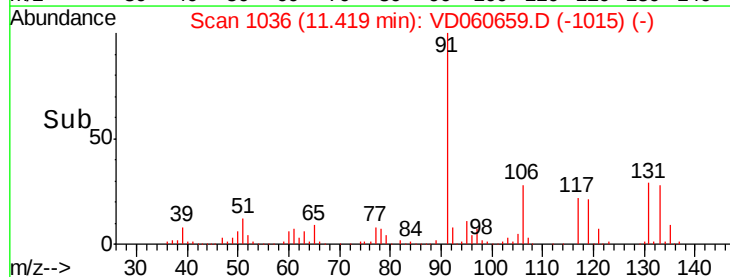
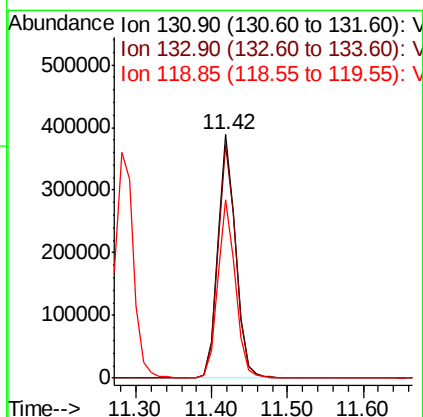
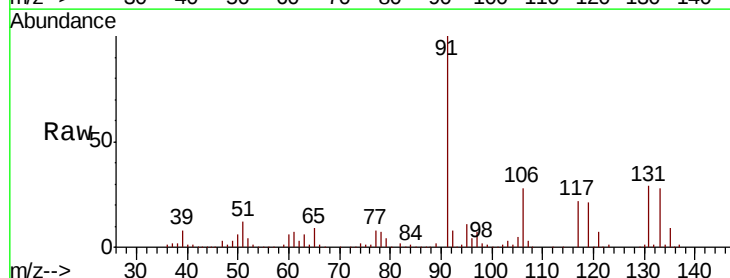
Instrument :
MSVOA_X
ClientSampled :

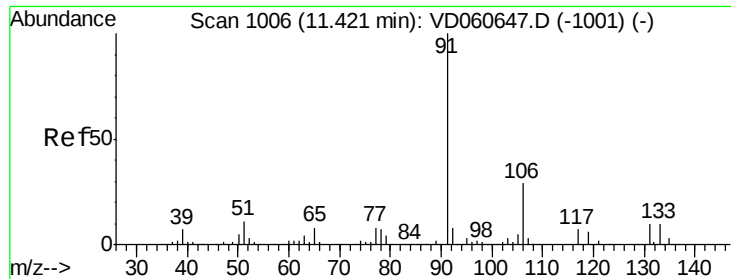
Tot Ion:112 Resp: 1967088
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 48.304 ug/l
RT: 11.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion:131 Resp: 644786
Ion Ratio Lower Upper
131 100
133 95.7 49.1 147.3
119 73.4 36.6 109.8

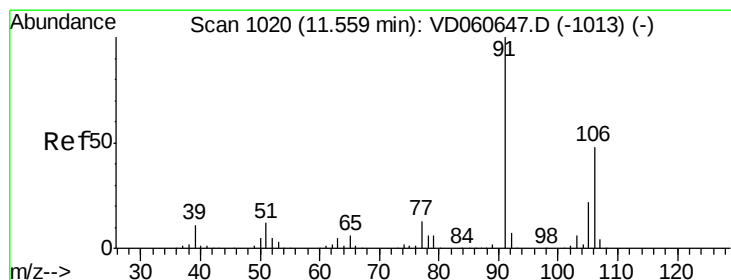
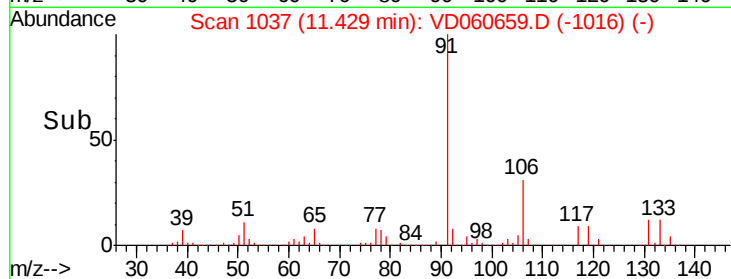
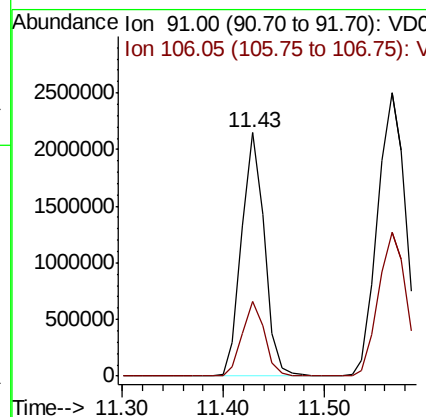
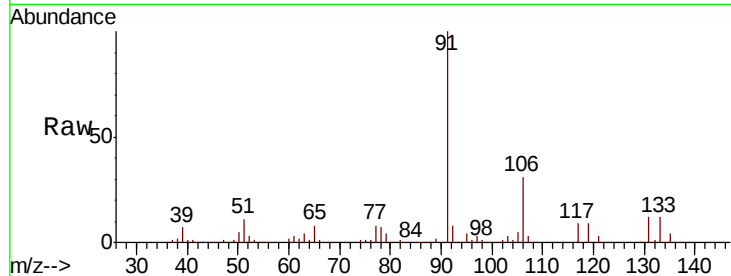




#67
Ethyl Benzene
Concen: 47.603 ug/l
RT: 11.43 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

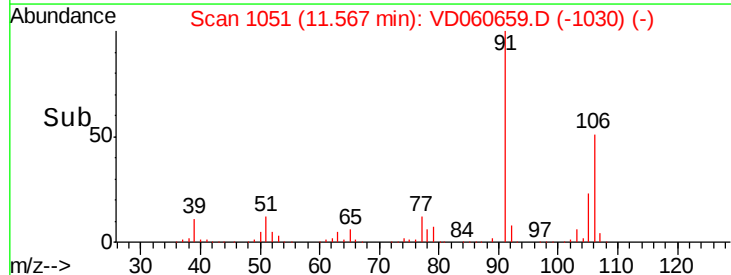
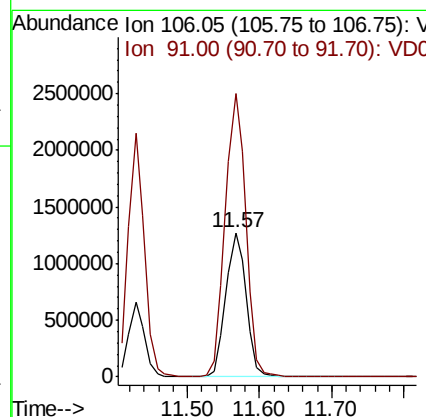
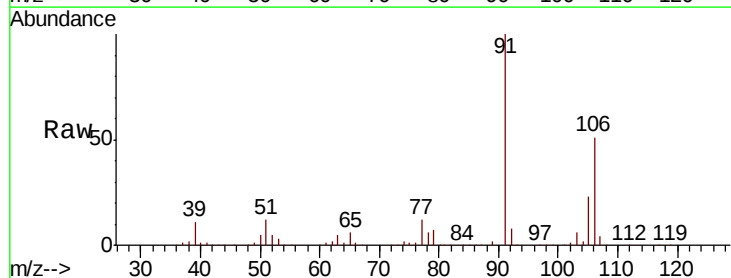
Instrument :
MSVOA_X
ClientSampled :

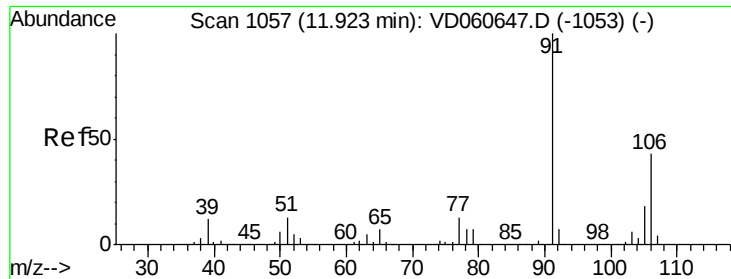
Tot Ion: 91 Resp: 3384583
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8



#68
m/p-Xylenes
Concen: 95.183 ug/l
RT: 11.57 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion:106 Resp: 2473203
Ion Ratio Lower Upper
106 100
91 196.5 158.9 238.3

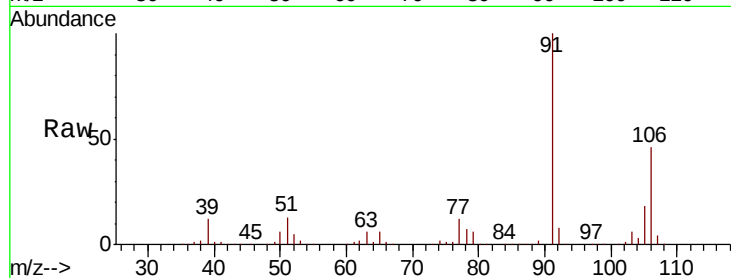




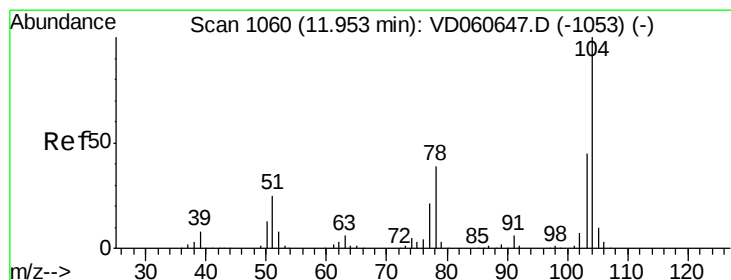
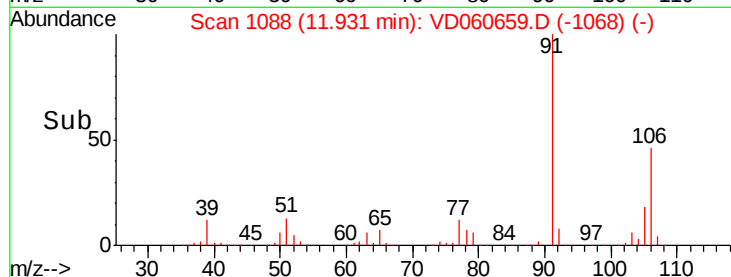
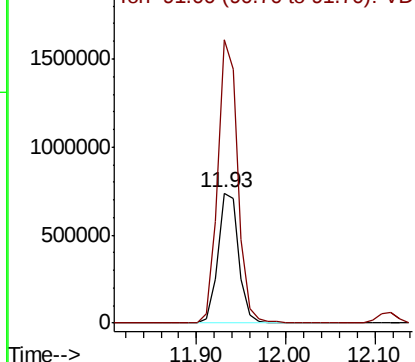
#69
o-Xylene
Concen: 48.838 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 1203926
Ion Ratio Lower Upper
106 100
91 217.9 101.5 304.5

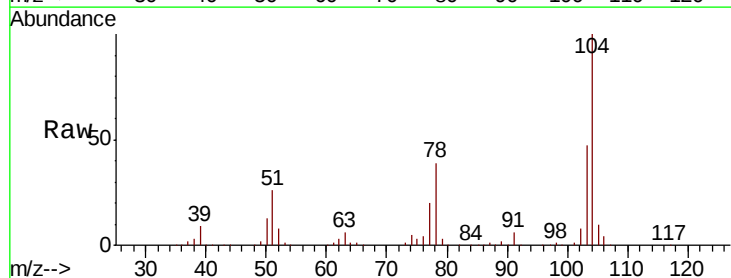


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

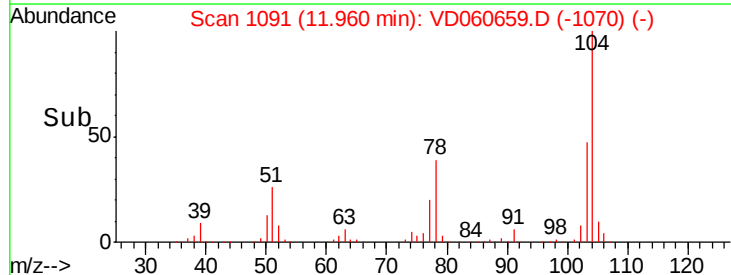
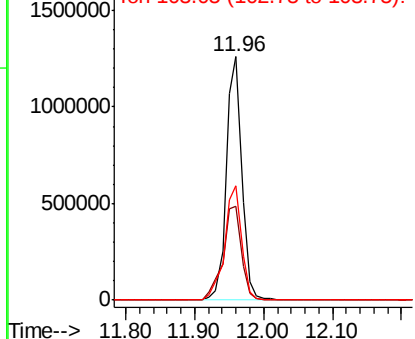


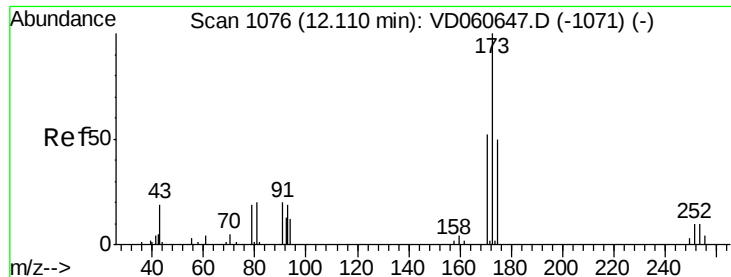
#70
Styrene
Concen: 49.028 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion:104 Resp: 1946561
Ion Ratio Lower Upper
104 100
78 38.6 31.4 47.2
103 47.2 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 49.830 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

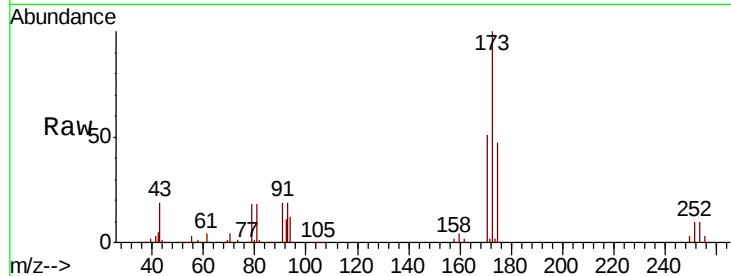
Tot Ion:173 Resp: 439068

Ion Ratio Lower Upper

173 100

175 47.3 25.5 76.5

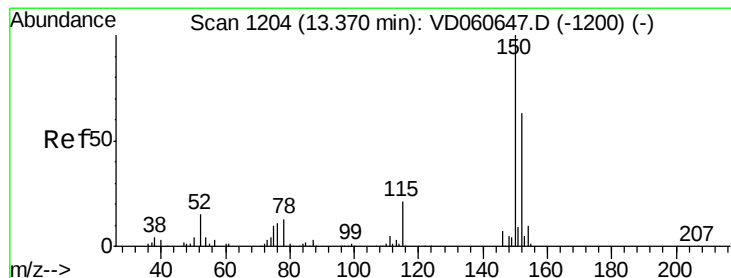
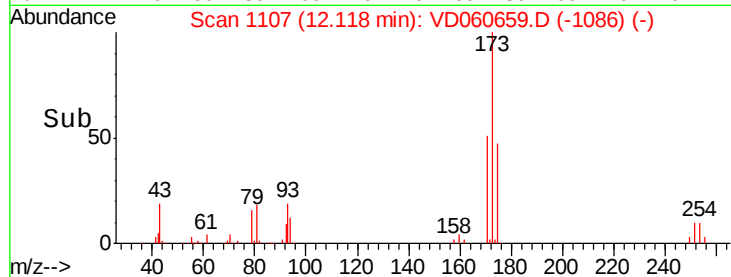
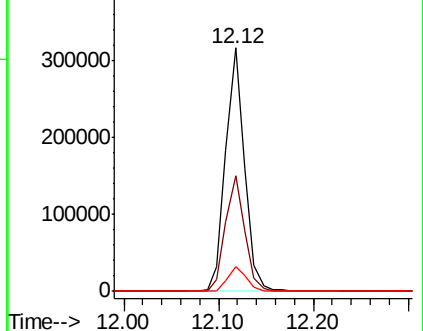
254 9.9 7.9 11.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

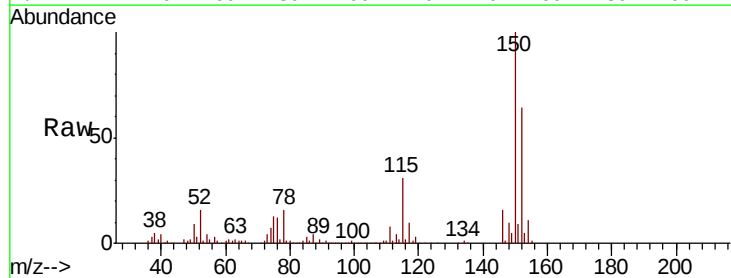
Tgt Ion:152 Resp: 961496

Ion Ratio Lower Upper

152 100

115 49.1 24.1 72.3

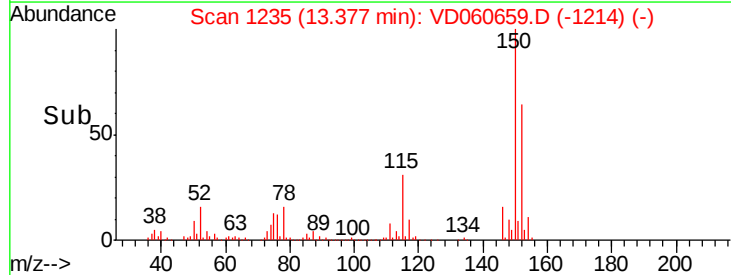
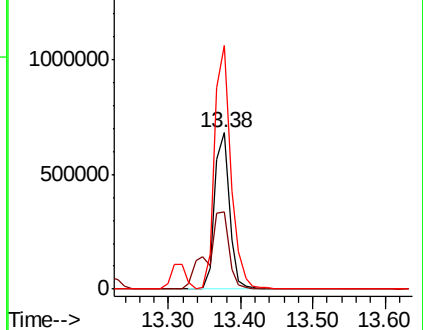
150 156.1 0.0 315.0

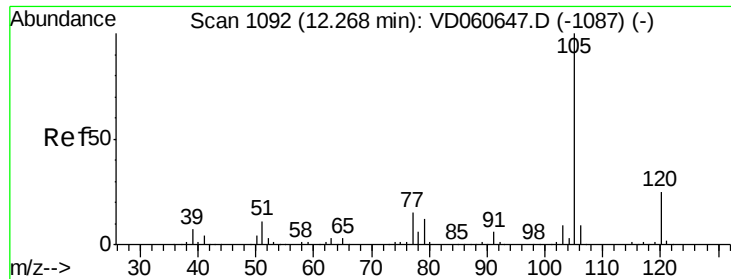


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.594 ug/l

RT: 12.28 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

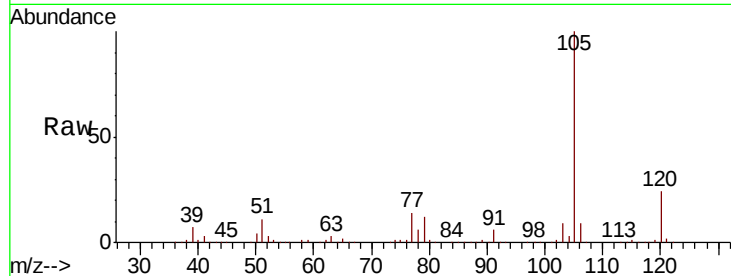
ClientSampled :

Tot Ion:105 Resp: 3326607

Ion Ratio Lower Upper

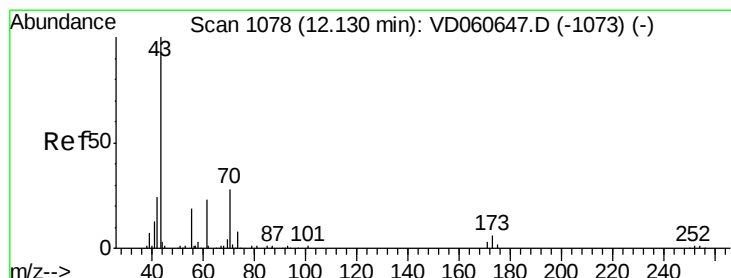
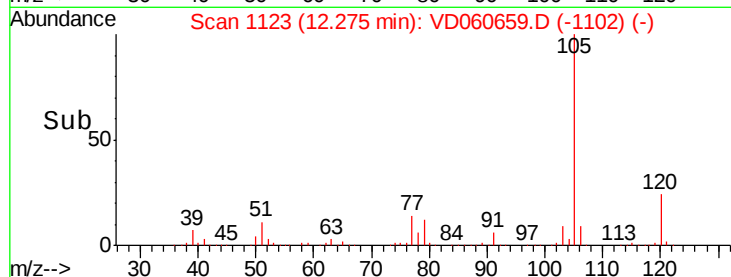
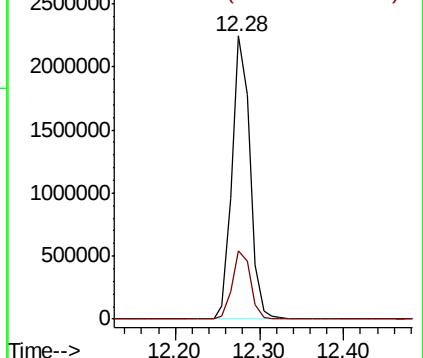
105 100

120 24.1 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.137 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Tgt Ion: 43 Resp: 793895

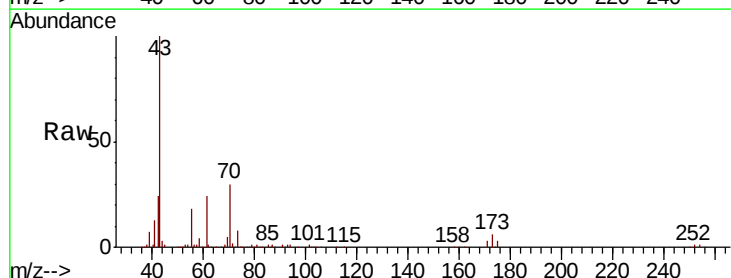
Ion Ratio Lower Upper

43 100

70 29.6 22.2 33.2

55 17.6 13.8 20.8

61 24.0 18.2 27.2

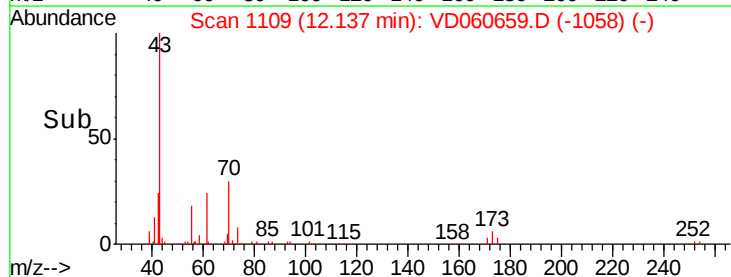
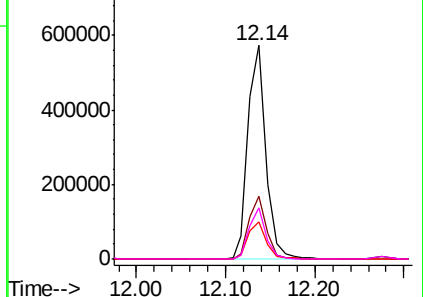


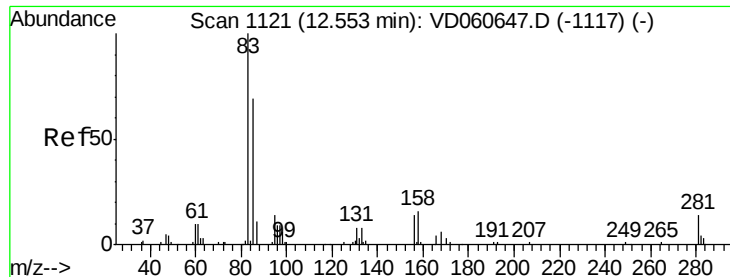
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.746 ug/l

RT: 12.56 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampled :

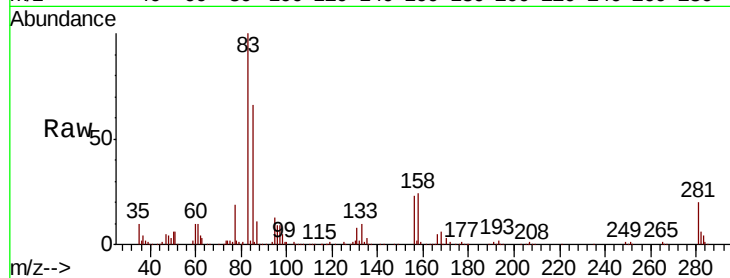
Tot Ion: 83 Resp: 540895

Ion Ratio Lower Upper

83 100

131 8.3 4.2 12.4

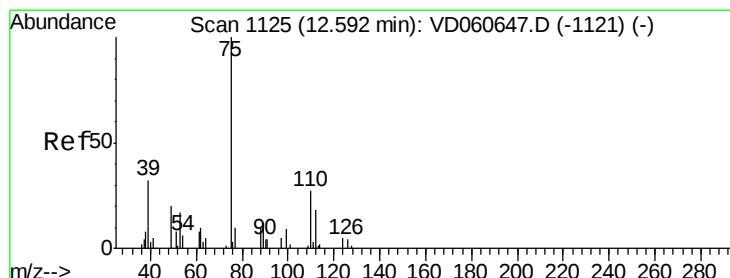
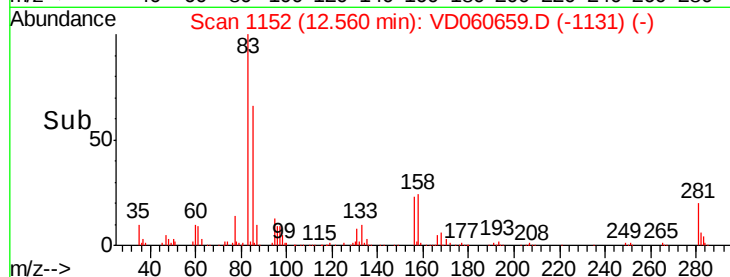
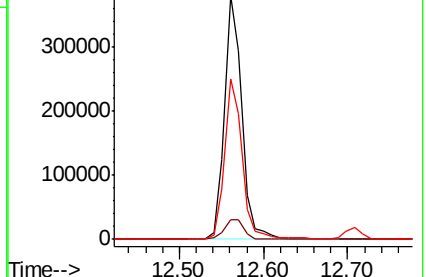
85 66.1 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.220 ug/l

RT: 12.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD060659.D

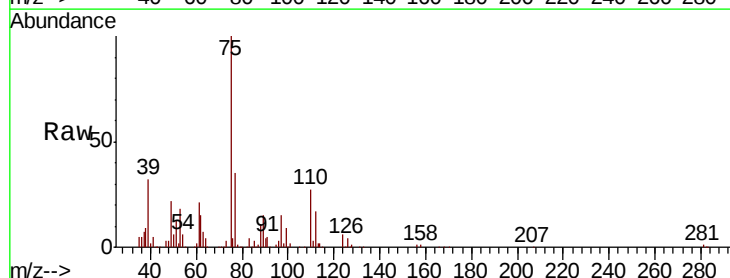
Acq: 20 Dec 2018 15:18

Tgt Ion: 75 Resp: 527836

Ion Ratio Lower Upper

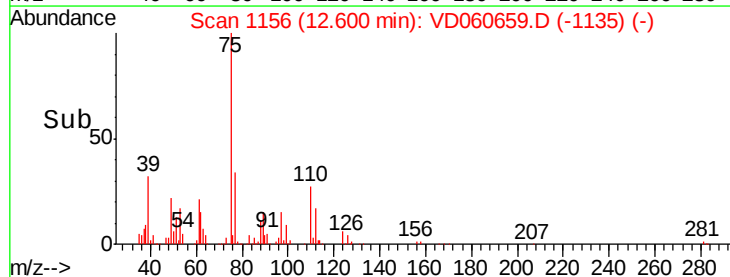
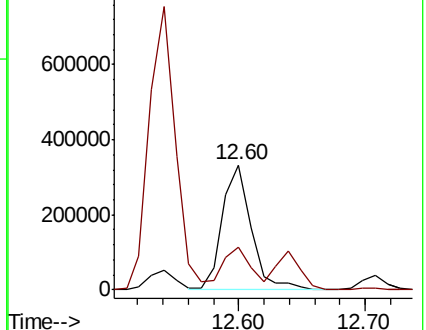
75 100

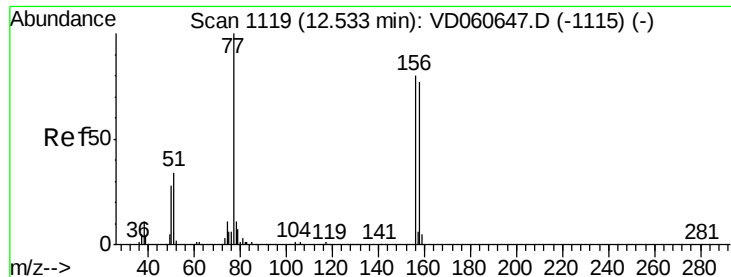
77 34.5 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.398 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

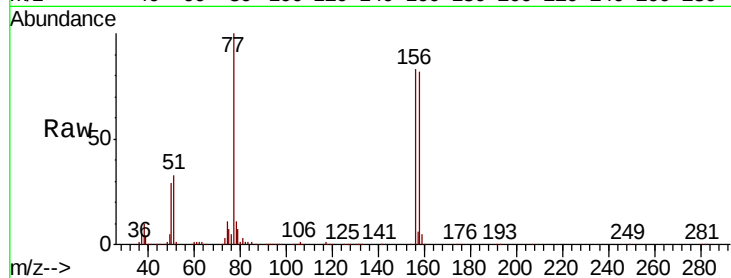
Tot Ion:156 Resp: 874729

Ion Ratio Lower Upper

156 100

77 120.3 61.3 183.9

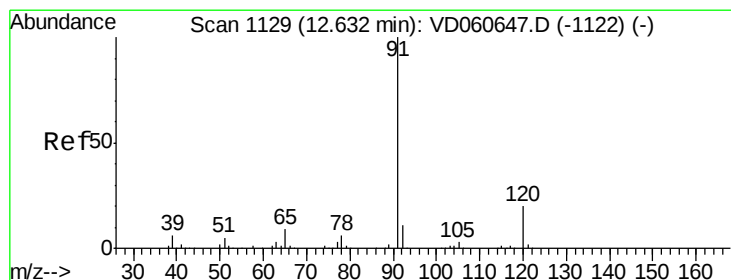
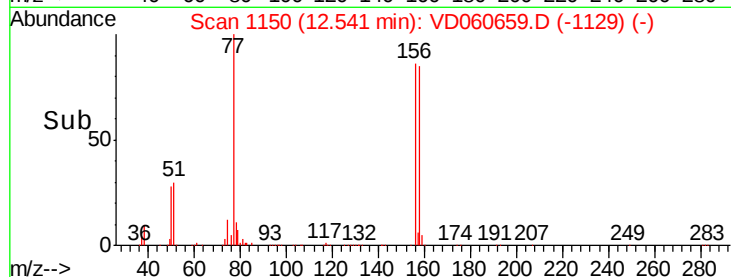
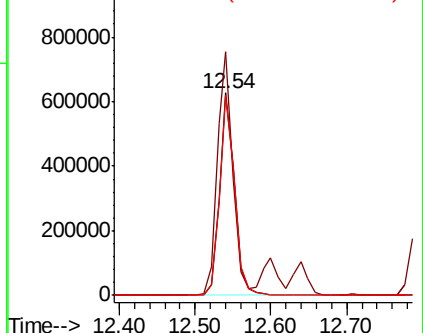
158 98.7 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.695 ug/l

RT: 12.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD060659.D

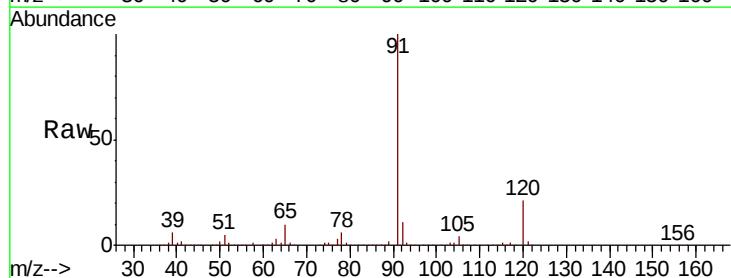
Acq: 20 Dec 2018 15:18

Tgt Ion: 91 Resp: 4086673

Ion Ratio Lower Upper

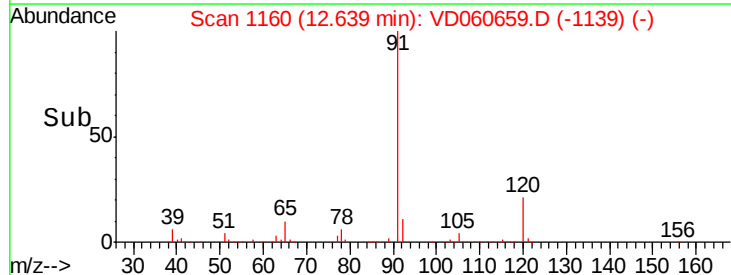
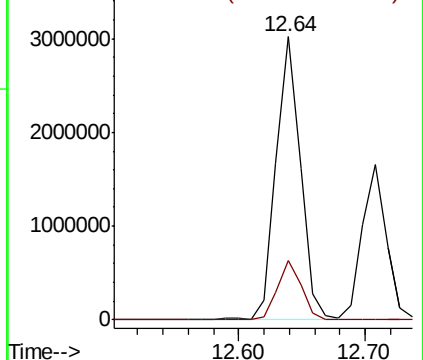
91 100

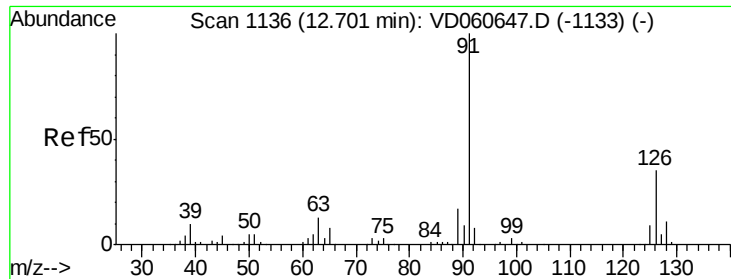
120 21.1 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

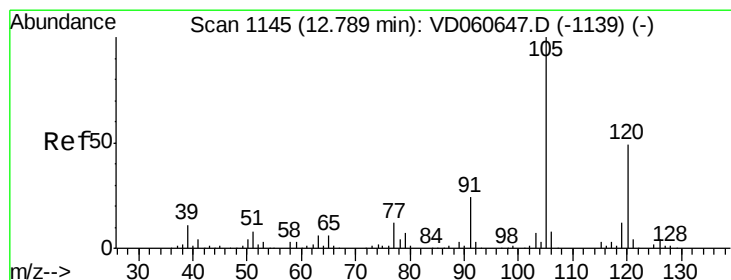
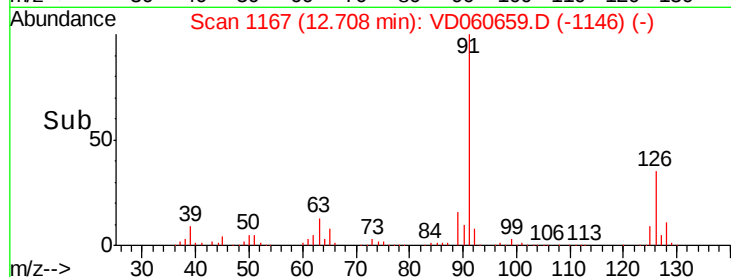
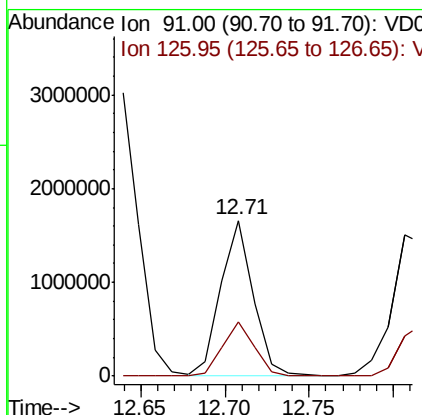
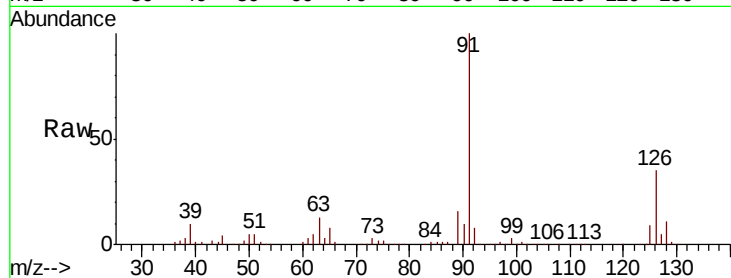




#79
 2-Chlorotoluene
 Concen: 47.062 ug/l
 RT: 12.71 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

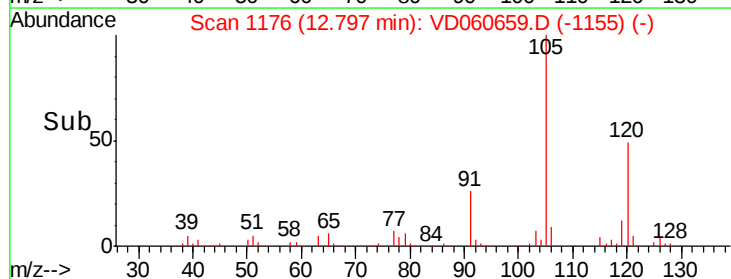
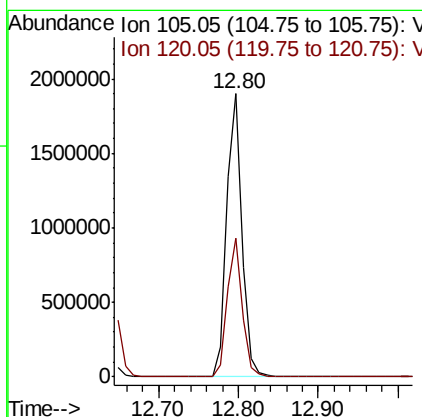
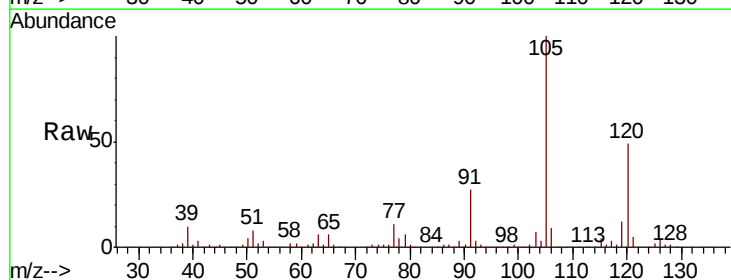
Instrument :
 MSVOA_X
 ClientSampleId :

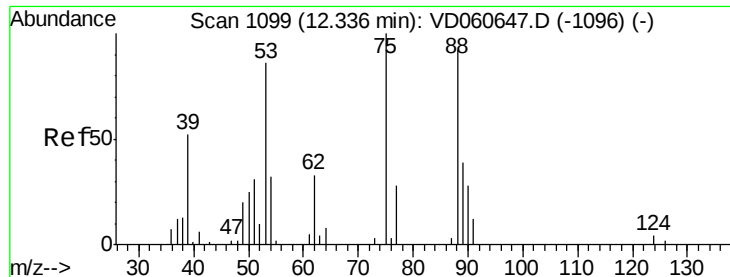
Tot Ion: 91 Resp: 2206066
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 48.706 ug/l
 RT: 12.80 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion: 105 Resp: 2574679
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 50.932 ug/l

RT: 12.34 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampled :

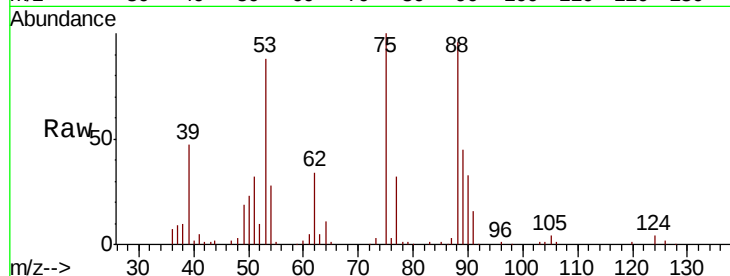
Tot Ion: 75 Resp: 154059

Ion Ratio Lower Upper

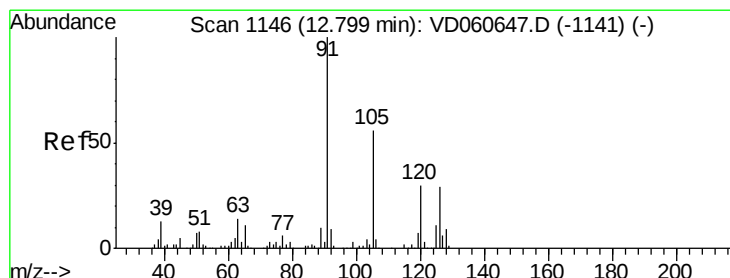
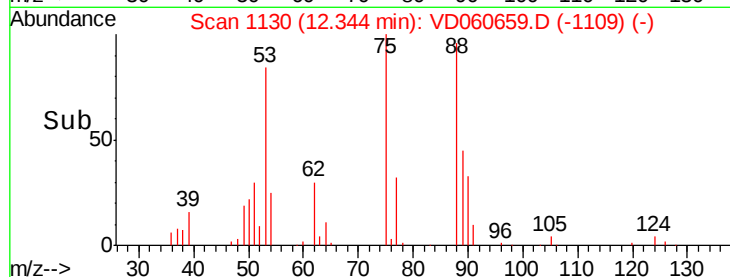
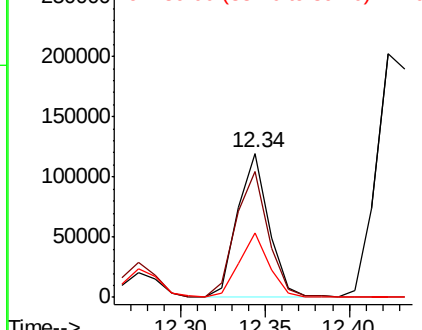
75 100

53 87.8 72.1 108.1

89 44.5 35.1 52.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 45.877 ug/l

RT: 12.81 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VD060659.D

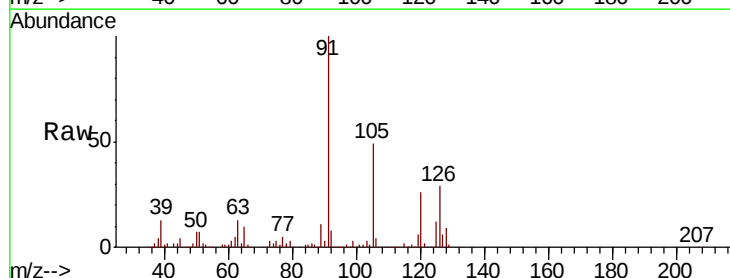
Acq: 20 Dec 2018 15:18

Tgt Ion: 91 Resp: 2437503

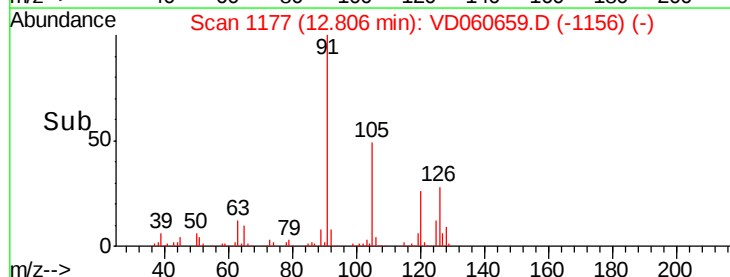
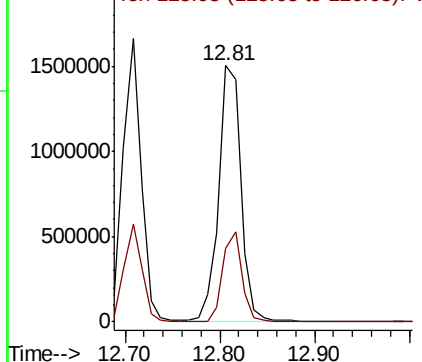
Ion Ratio Lower Upper

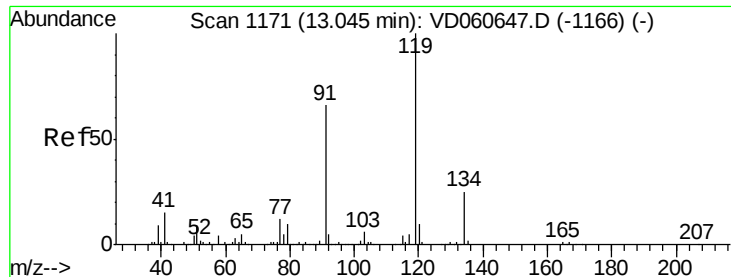
91 100

126 28.9 14.6 43.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

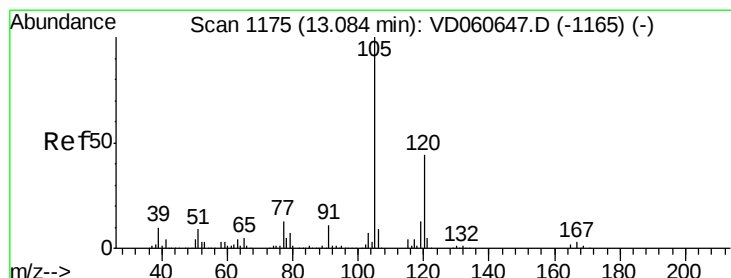
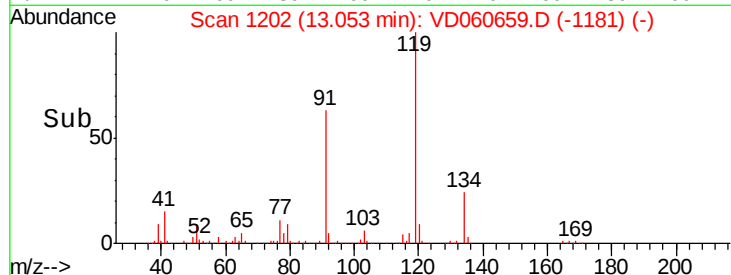
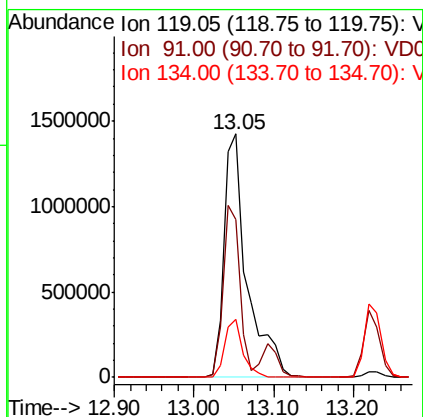
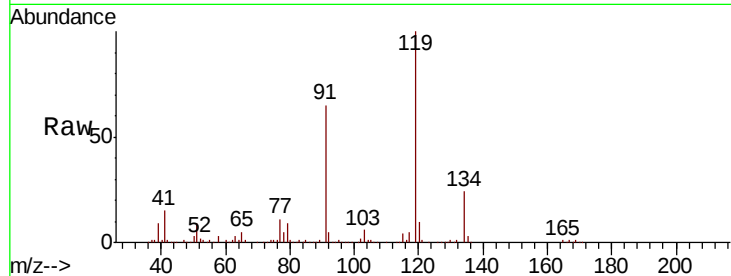




#83
 tert-Butylbenzene
 Concen: 48.182 ug/l
 RT: 13.05 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

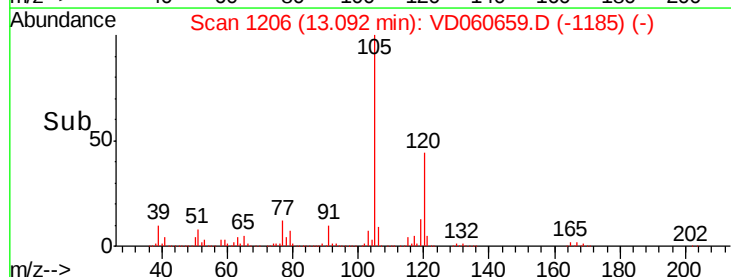
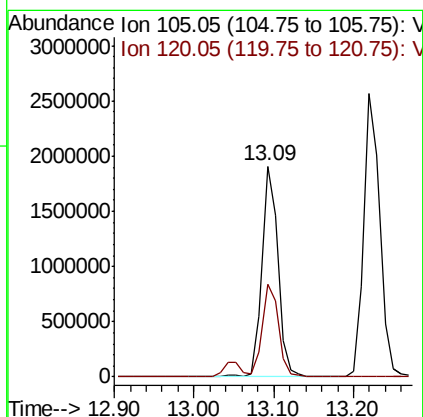
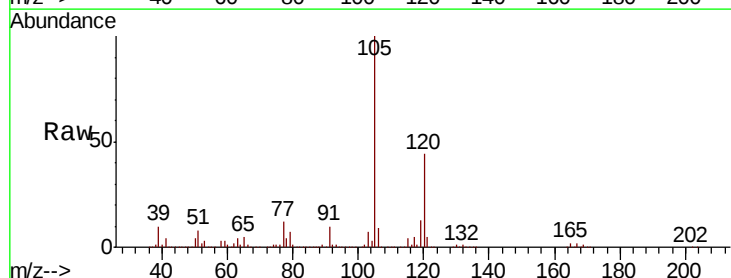
Instrument :
 MSVOA_X
 ClientSampleId :

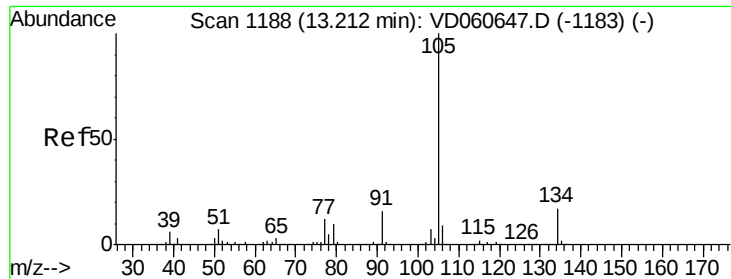
Tot Ion:119 Resp: 2898642
 Ion Ratio Lower Upper
 119 100
 91 65.0 32.5 97.4
 134 23.6 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.871 ug/l
 RT: 13.09 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion:105 Resp: 2606292
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.4 67.0

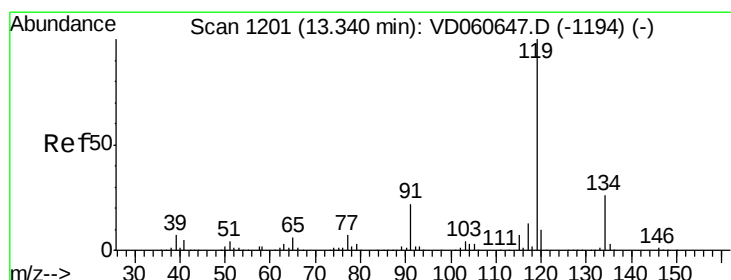
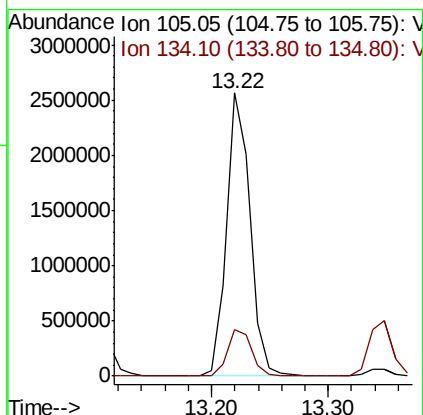
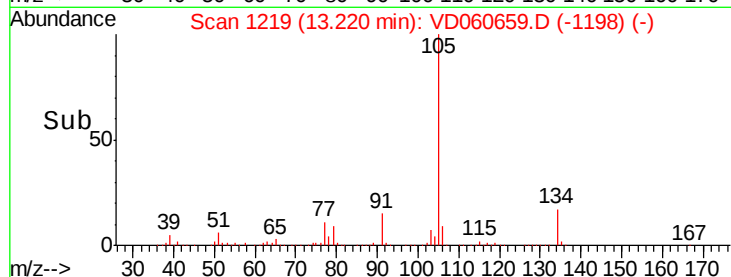
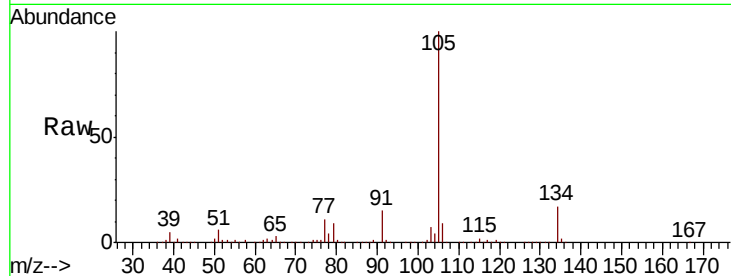




#85
 sec-Butylbenzene
 Concen: 48.561 ug/l
 RT: 13.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

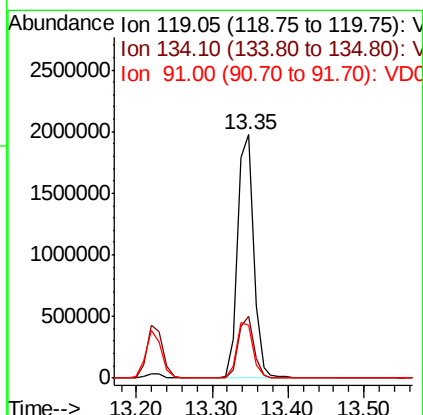
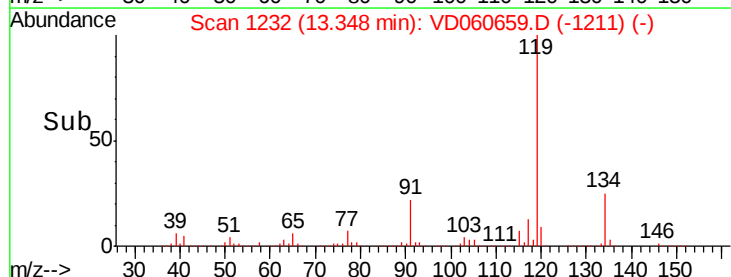
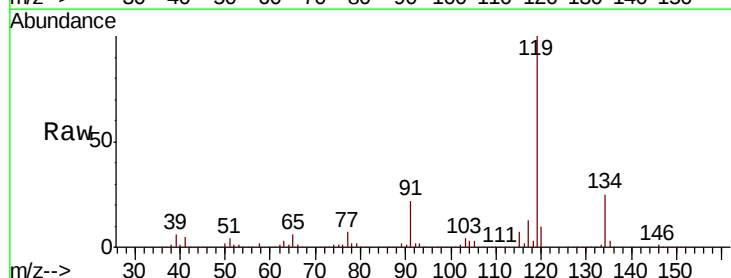
Instrument :
 MSVOA_X
 ClientSampled :

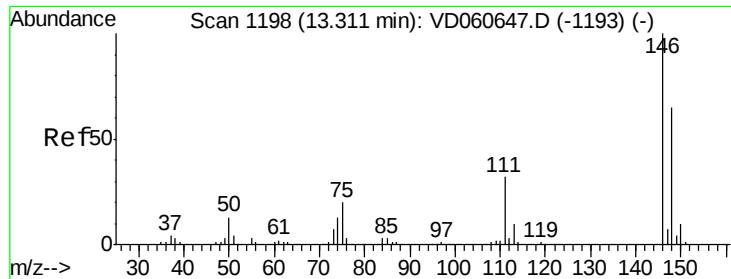
Tot Ion:105 Resp: 3562813
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 48.193 ug/l
 RT: 13.35 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion:119 Resp: 2854130
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 22.0 11.4 34.2

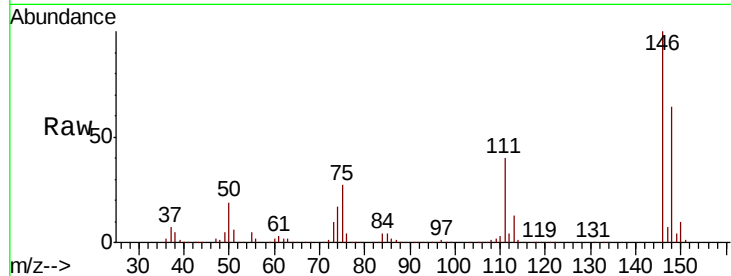




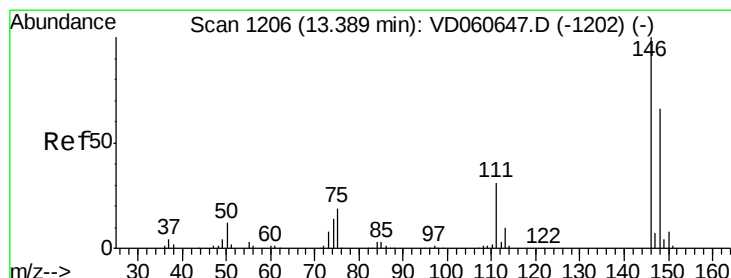
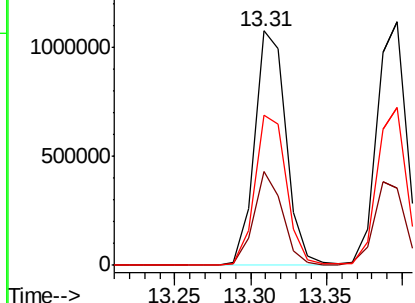
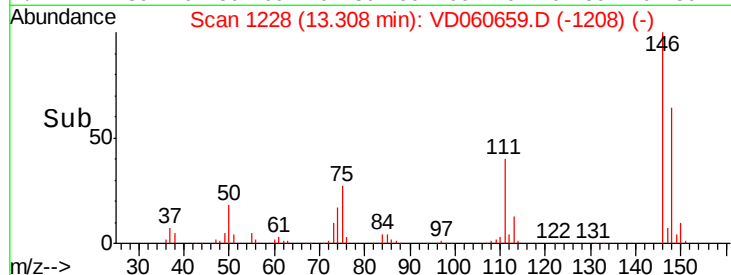
#87
 1,3-Dichlorobenzene
 Concen: 47.282 ug/l
 RT: 13.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:146 Resp: 1568717
 Ion Ratio Lower Upper
 146 100
 111 40.2 16.6 49.8
 148 64.2 32.6 97.8

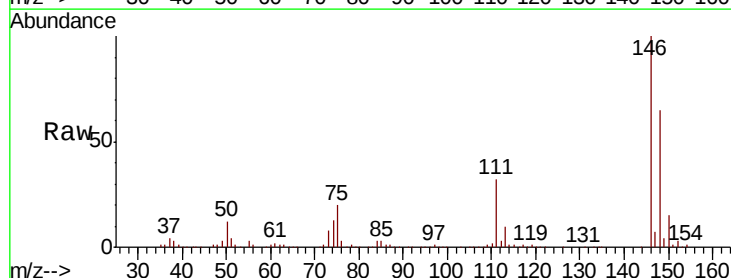


Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

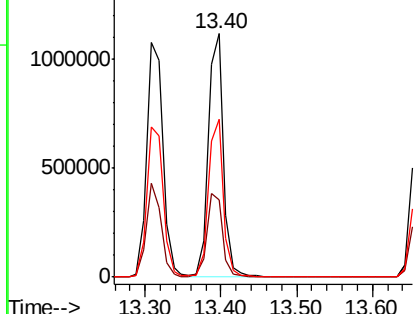
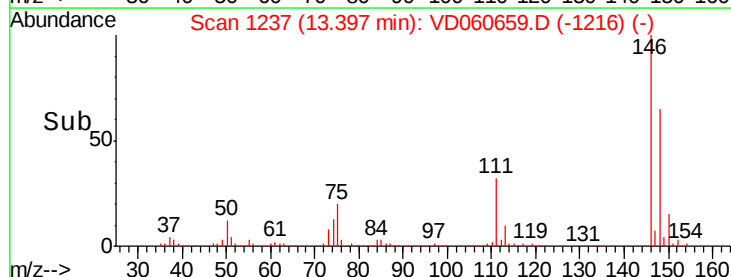


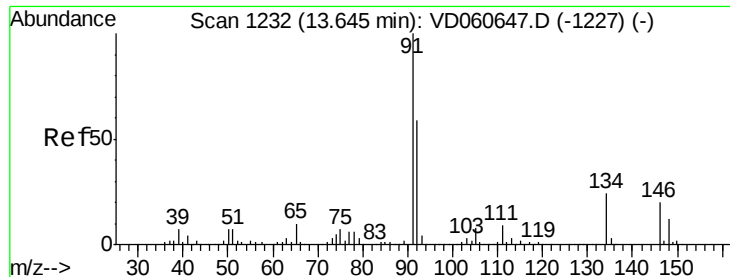
#88
 1,4-Dichlorobenzene
 Concen: 47.875 ug/l
 RT: 13.40 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion:146 Resp: 1565201
 Ion Ratio Lower Upper
 146 100
 111 31.7 16.2 48.5
 148 64.8 32.7 98.1



Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

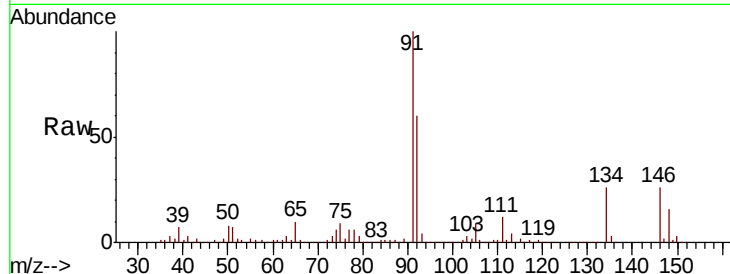




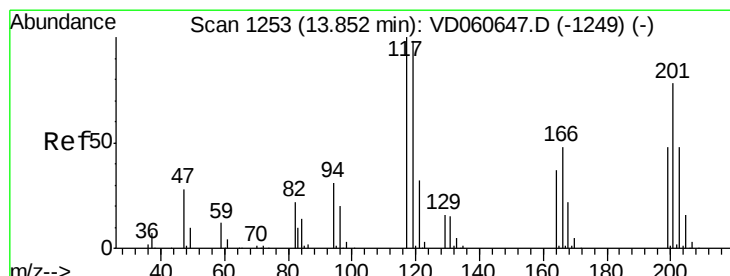
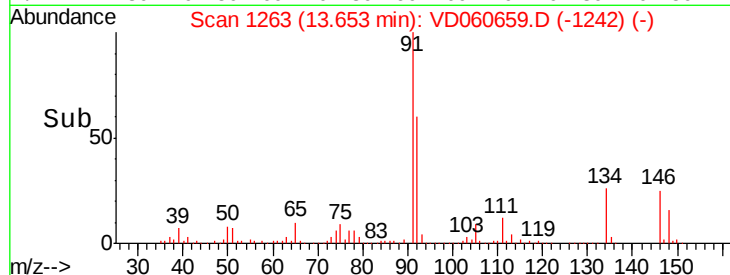
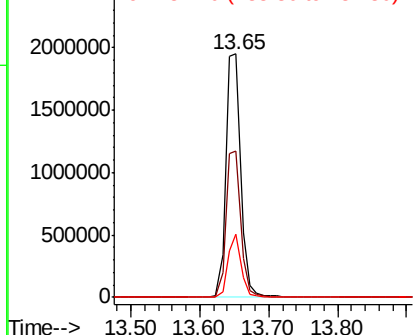
#89
n-Butylbenzene
Concen: 48.220 ug/l
RT: 13.65 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 2918266
Ion Ratio Lower Upper
91 100
92 59.9 29.7 89.1
134 25.8 12.7 38.1

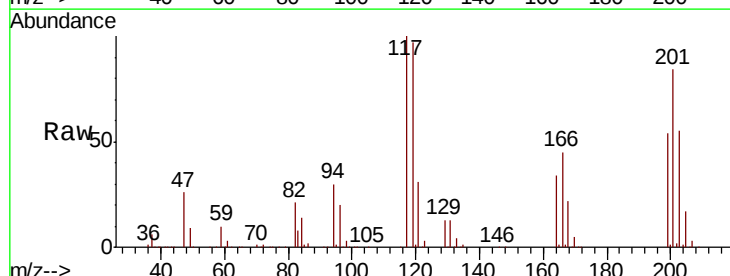


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

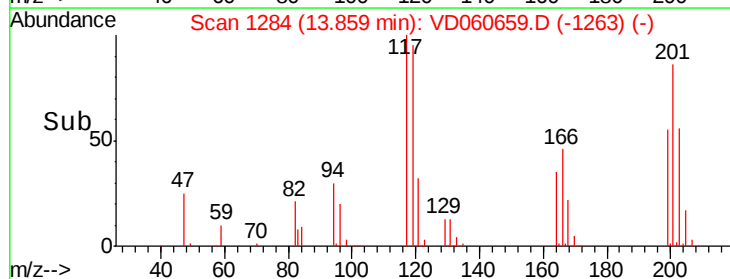
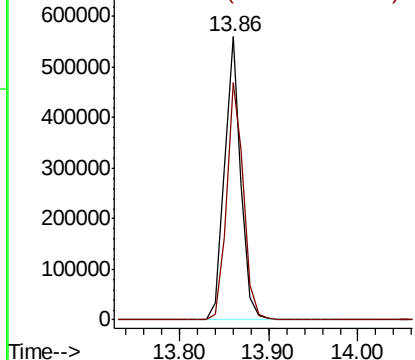


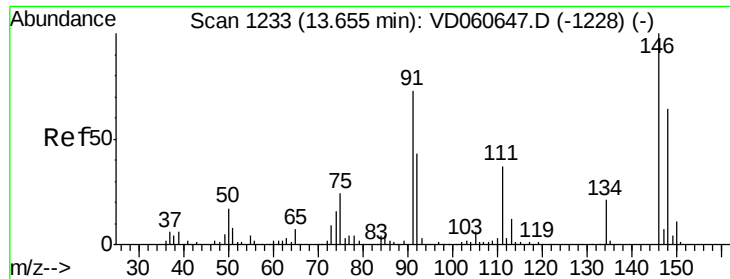
#90
Hexachloroethane
Concen: 49.798 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD060659.D
Acq: 20 Dec 2018 15:18

Tgt Ion: 117 Resp: 724517
Ion Ratio Lower Upper
117 100
201 83.6 42.6 127.8



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

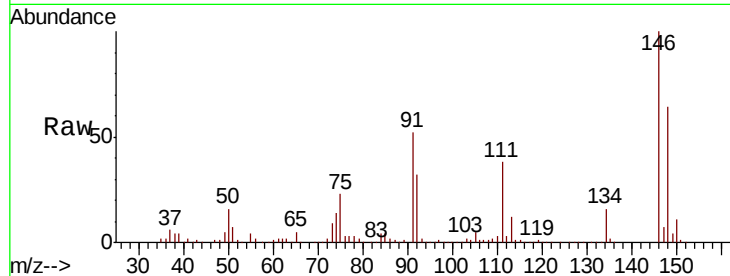




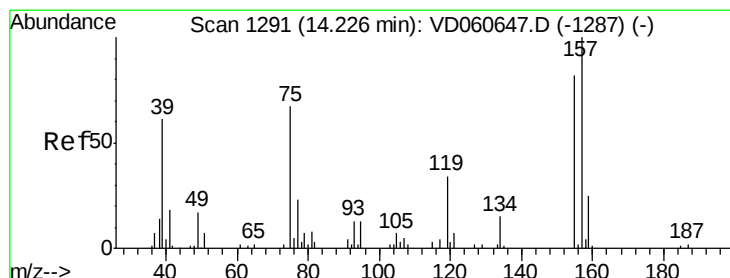
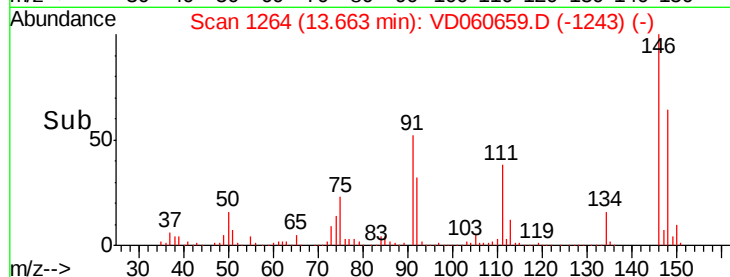
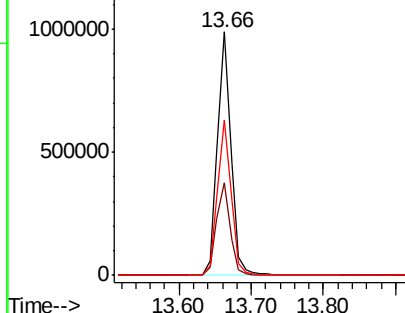
#91
 1,2-Dichlorobenzene
 Concen: 47.140 ug/l
 RT: 13.66 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:146 Resp: 1254598
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.3 57.9
 148 63.7 31.9 95.9

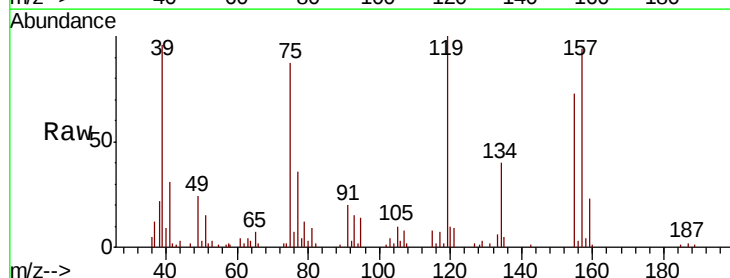


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

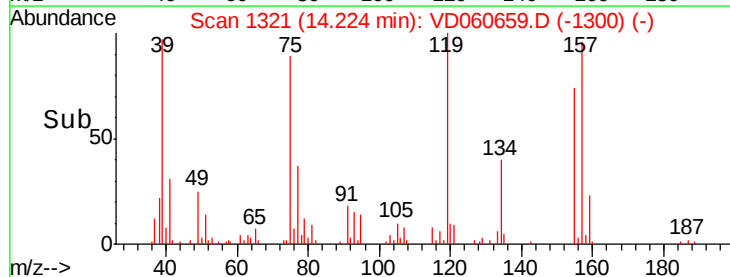
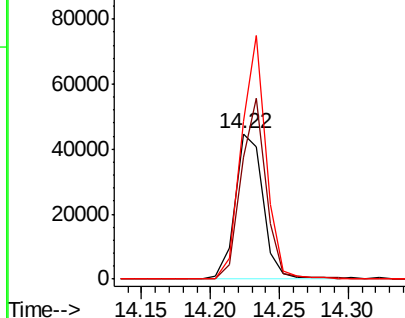


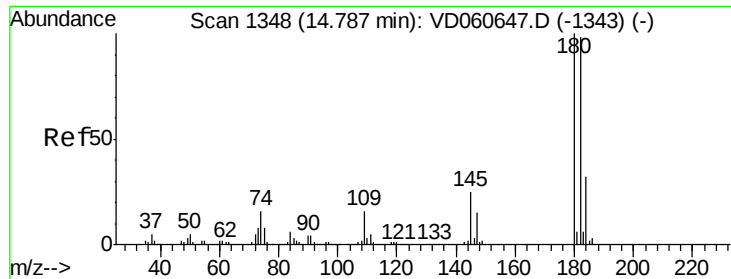
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.393 ug/l
 RT: 14.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion: 75 Resp: 63084
 Ion Ratio Lower Upper
 75 100
 155 84.0 41.1 123.4
 157 108.1 52.5 157.6



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

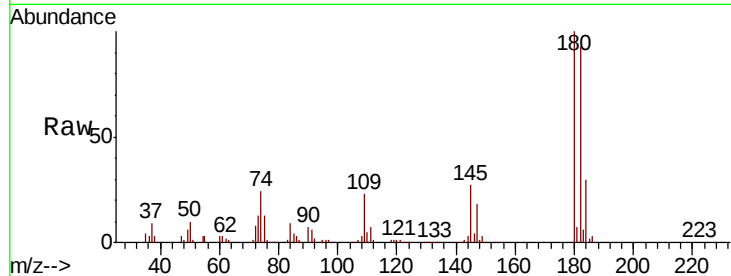




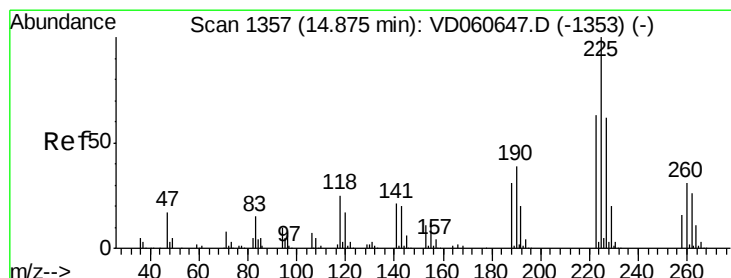
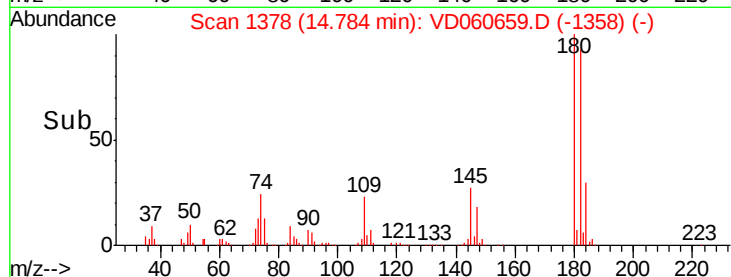
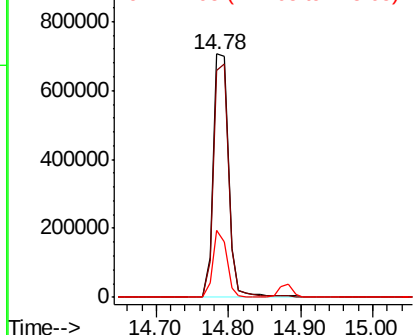
#93
 1,2,4-Trichlorobenzene
 Concen: 48.753 ug/l
 RT: 14.78 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 1032485
 Ion Ratio Lower Upper
 180 100
 182 93.3 48.8 146.4
 145 27.4 11.8 35.3

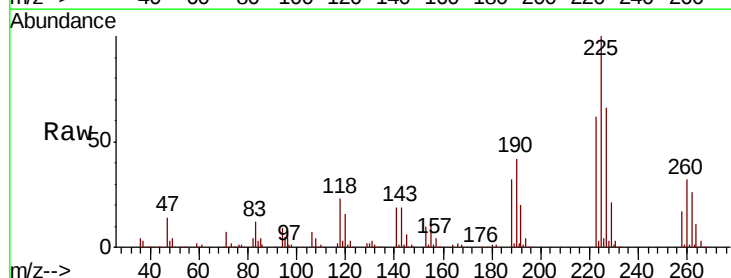


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

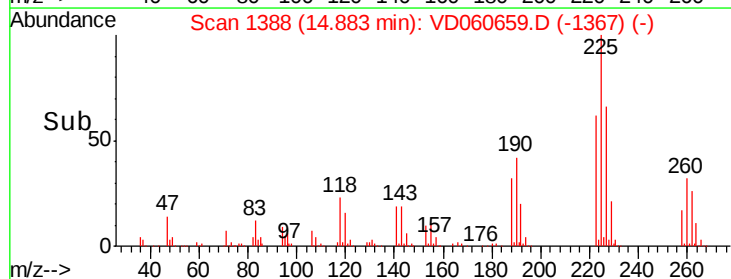
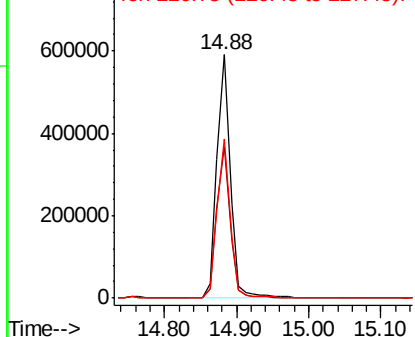


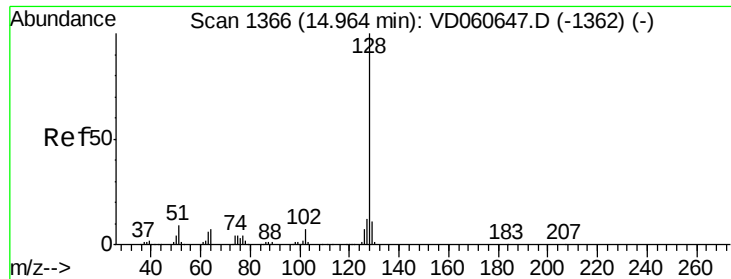
#94
 Hexachlorobutadiene
 Concen: 48.397 ug/l
 RT: 14.88 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD060659.D
 Acq: 20 Dec 2018 15:18

Tgt Ion:225 Resp: 757593
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.3 93.8
 227 65.6 32.5 97.4



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 48.914 ug/l

RT: 14.97 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

Instrument :

MSVOA_X

ClientSampleId :

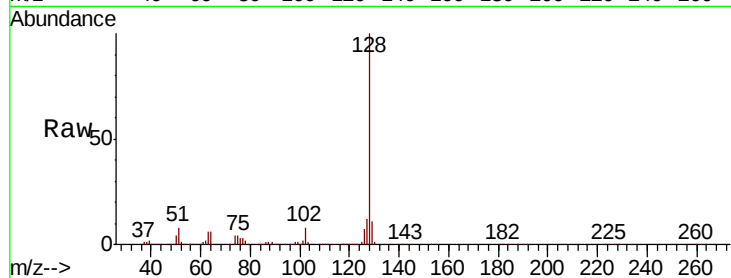
Tot Ion:128 Resp: 1231191

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

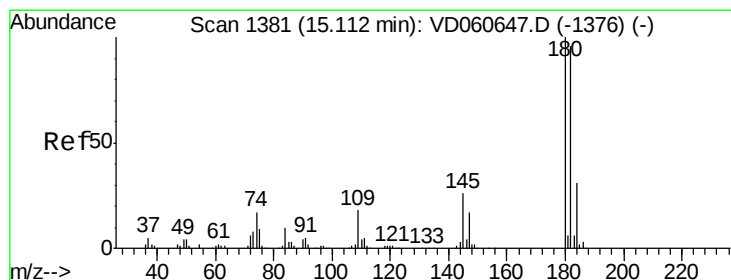
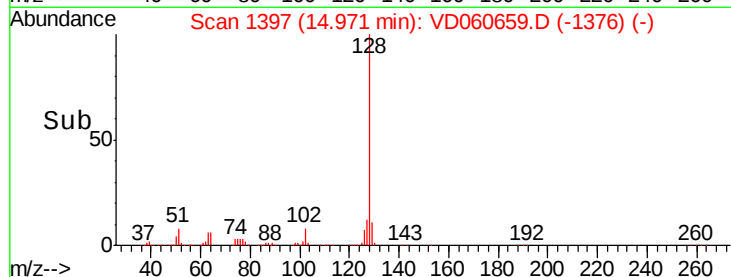
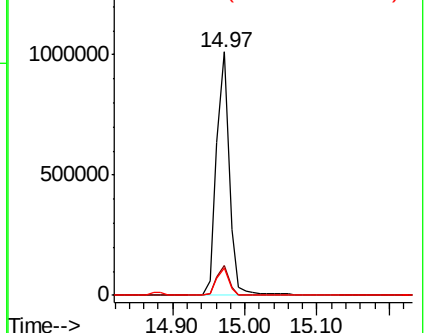
129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.967 ug/l

RT: 15.12 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD060659.D

Acq: 20 Dec 2018 15:18

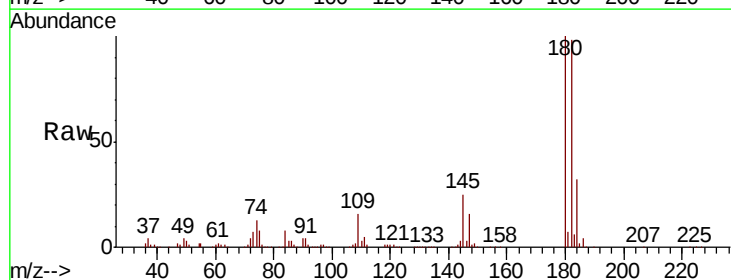
Tgt Ion:180 Resp: 794106

Ion Ratio Lower Upper

180 100

182 97.8 48.6 145.9

145 25.2 12.6 37.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

