

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062361.D
 Acq On : 14 May 2019 22:28
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 03:29:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	503950	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	728542	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	632293	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	372906	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	289490	61.81	ug/l	0.05
Spiked Amount	50.000		Recovery	=	123.62%	
35) Dibromofluoromethane	6.94	113	308148	50.98	ug/l	0.05
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.43	98	641845	44.04	ug/l	0.03
Spiked Amount	50.000		Recovery	=	88.08%	
62) 4-Bromofluorobenzene	13.57	95	296353	50.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	250591	51.992	ug/l	99
3) Chloromethane	1.76	50	147018	42.214	ug/l	97
4) Vinyl Chloride	1.86	62	155976	45.571	ug/l	98
5) Bromomethane	2.15	94	72922	90.925	ug/l	97
6) Chloroethane	2.27	64	93483	65.089	ug/l	94
7) Trichlorofluoromethane	2.53	101	472038	70.937	ug/l	96
8) Diethyl Ether	2.88	74	48655	37.913	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.15	101	253750	50.410	ug/l	95
10) Methyl Iodide	3.31	142	295632	38.859	ug/l #	70
11) Tert butyl alcohol	4.08	59	61235	256.154	ug/l	97
12) 1,1-Dichloroethene	3.13	96	172350	44.853	ug/l #	76
13) Acrolein	3.05	56	53789	217.543	ug/l	92
14) Allyl chloride	3.63	41	275981	49.397	ug/l #	76
15) Acrylonitrile	4.21	53	142999	227.580	ug/l #	85
16) Acetone	3.23	43	265134	269.958	ug/l #	77
17) Carbon Disulfide	3.38	76	456810	41.326	ug/l	99
18) Methyl Acetate	3.65	43	95623	54.466	ug/l #	89
19) Methyl tert-butyl Ether	4.25	73	458464	55.664	ug/l	94
20) Methylene Chloride	3.82	84	179304	43.725	ug/l #	82
21) trans-1,2-Dichloroethene	4.23	96	206630	48.325	ug/l	87
22) Diisopropyl ether	5.13	45	617042	51.900	ug/l #	88
23) Vinyl Acetate	5.07	43	1907102	304.027	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	386042	53.824	ug/l	97
25) 2-Butanone	6.09	43	298258	278.415	ug/l	95
26) 2,2-Dichloropropane	6.04	77	428769	60.015	ug/l	87
27) cis-1,2-Dichloroethene	6.06	96	233436	48.774	ug/l	89
28) Bromochloromethane	6.45	49	185465	65.726	ug/l #	79
29) Tetrahydrofuran	6.47	42	134662	272.817	ug/l	91
30) Chloroform	6.69	83	530799	61.408	ug/l	98
31) Cyclohexane	6.97	56	221738	45.126	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	550739	67.410	ug/l	95
36) 1,1-Dichloropropene	7.16	75	349622	58.530	ug/l	90
37) Ethyl Acetate	6.20	43	128172	50.596	ug/l	94
38) Carbon Tetrachloride	7.13	117	592415	71.655	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	268930	46.989	ug/l	91
40) Benzene	7.47	78	641238	47.540	ug/l	97
41) Methacrylonitrile	6.46	41	177248	57.256	ug/l #	84
42) 1,2-Dichloroethane	7.59	62	366103	64.061	ug/l	89
43) Isopropyl Acetate	9.26	43	201303	56.032	ug/l	91
44) Trichloroethene	8.56	130	237805	46.267	ug/l	74
45) 1,2-Dichloropropane	8.96	63	165125	49.492	ug/l	96
46) Dibromomethane	9.08	93	148798	54.844	ug/l	95
47) Bromodichloromethane	9.39	83	413554	62.316	ug/l	99
48) Methyl methacrylate	9.14	41	126883	57.337	ug/l #	81
49) 1,4-Dioxane	9.10	88	22097	925.469	ug/l #	81
51) 4-Methyl-2-Pentanone	10.32	43	669692	289.985	ug/l	88
52) Toluene	10.52	92	426391	48.585	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	331919	57.869	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	350131	55.957	ug/l #	84
55) 1,1,2-Trichloroethane	11.20	97	174769	56.282	ug/l	94
56) Ethyl methacrylate	11.07	69	176376	54.660	ug/l #	88
57) 1,3-Dichloropropane	11.42	76	257995	54.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	573578	325.419	ug/l	100
59) 2-Hexanone	11.55	43	490029	287.894	ug/l	90
60) Dibromochloromethane	11.70	129	324173	60.407	ug/l	97
61) 1,2-Dibromoethane	11.82	107	204920	54.280	ug/l	99
64) Tetrachloroethene	11.27	164	246407	49.837	ug/l	96
65) Chlorobenzene	12.41	112	572815	48.640	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	293287	57.223	ug/l	92
67) Ethyl Benzene	12.54	91	1101973	55.893	ug/l	95
68) m/p-Xylenes	12.68	106	664410	92.625	ug/l	79
69) o-Xylene	13.06	106	335482	50.307	ug/l	78
70) Styrene	13.08	104	564861	50.001	ug/l #	90
71) Bromoform	13.25	173	204089	57.234	ug/l #	95
73) Isopropylbenzene	13.42	105	1008916	45.135	ug/l	94
74) N-amyl acetate	13.28	43	285186	48.662	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	197849	46.754	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	210370	47.469	ug/l	100
77) Bromobenzene	13.68	156	288225	46.061	ug/l	97
78) n-propylbenzene	13.78	91	1152287	43.214	ug/l	90
79) 2-Chlorotoluene	13.85	91	740501	48.489	ug/l	85
80) 1,3,5-Trimethylbenzene	13.95	105	903141	47.980	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.49	75	52037	41.593	ug/l #	63
82) 4-Chlorotoluene	13.96	91	887636	49.394	ug/l	82
83) tert-Butylbenzene	14.21	119	940560	44.456	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	887524	46.986	ug/l	86
85) sec-Butylbenzene	14.38	105	1032415	44.507	ug/l	98
86) p-Isopropyltoluene	14.50	119	905087	43.671	ug/l	89
87) 1,3-Dichlorobenzene	14.47	146	481496	42.122	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	503533	44.832	ug/l	97
89) n-Butylbenzene	14.81	91	963381	51.789	ug/l	93
90) Hexachloroethane	15.02	117	279398	49.573	ug/l	72
91) 1,2-Dichlorobenzene	14.82	146	451856	47.998	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.40	75	37946	54.626	ug/l	88

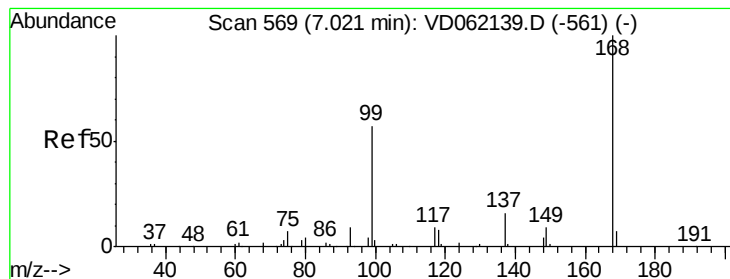
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	345522	50.425	ug/l	95
94) Hexachlorobutadiene	16.05	225	264767	51.952	ug/l	100
95) Naphthalene	16.13	128	477504	49.915	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	259667	60.273	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

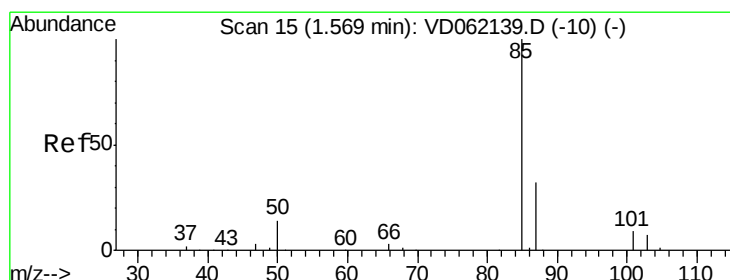
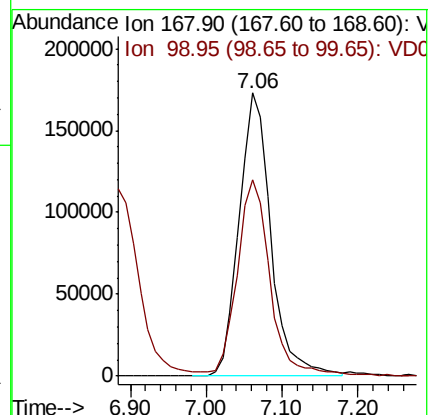
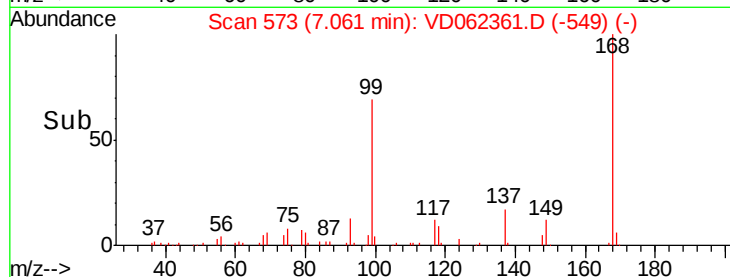
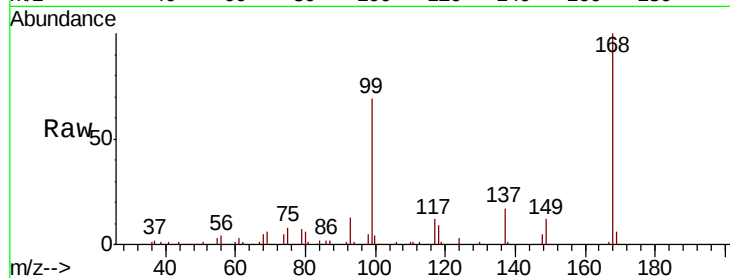
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 503950

Ion Ratio Lower Upper

168 100

99 69.3 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 51.992 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062361.D

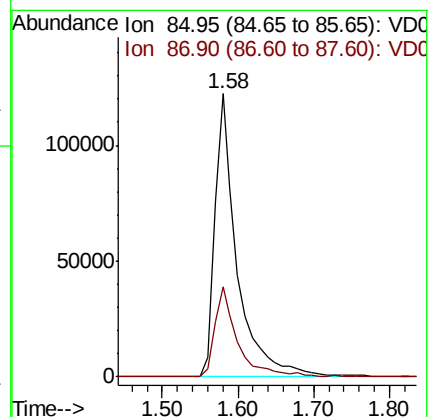
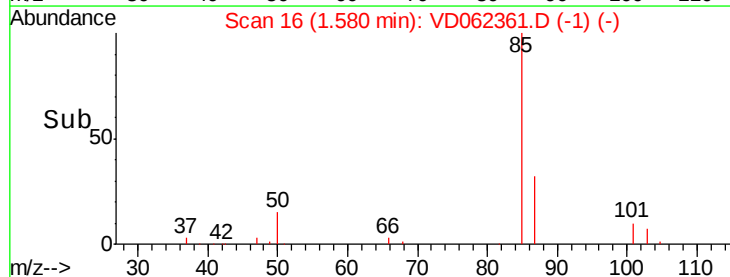
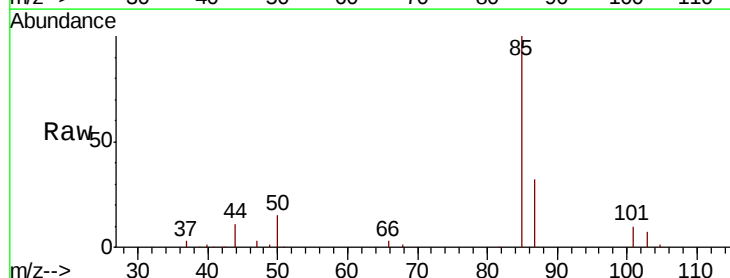
Acq: 14 May 2019 22:28

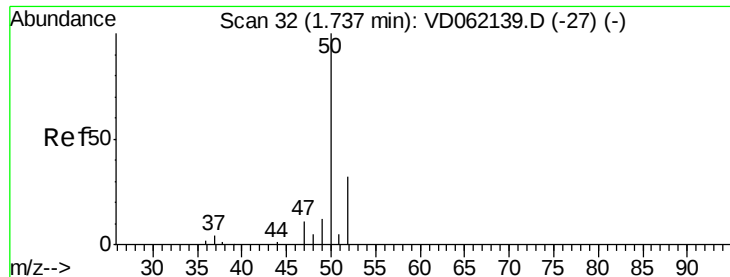
Tgt Ion: 85 Resp: 250591

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6





#3

Chloromethane

Concen: 42.214 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

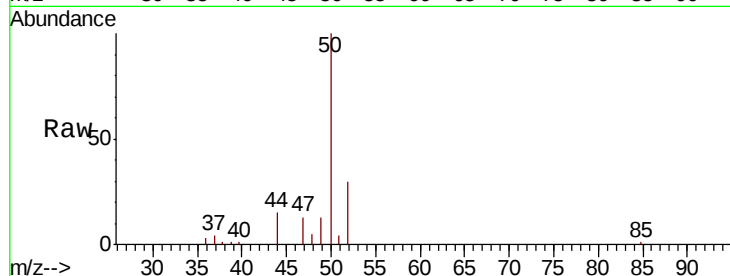
ClientSampleId :

Tot Ion: 50 Resp: 147018

Ion Ratio Lower Upper

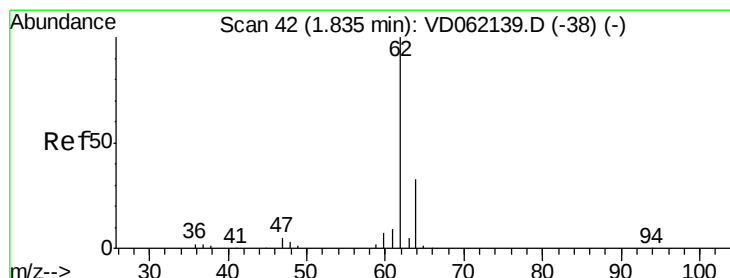
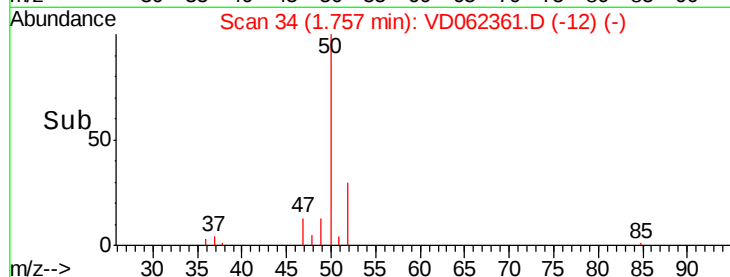
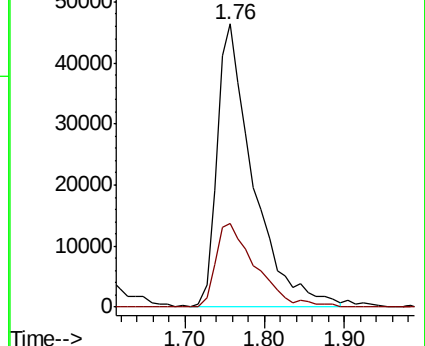
50 100

52 29.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.571 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062361.D

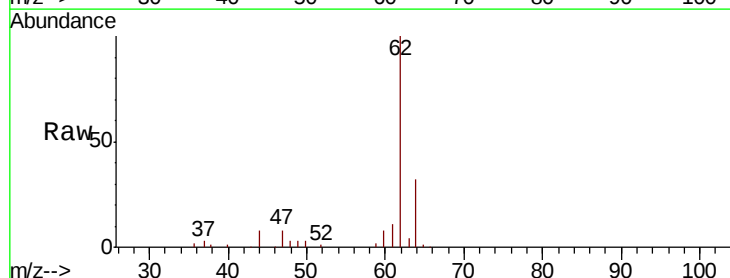
Acq: 14 May 2019 22:28

Tgt Ion: 62 Resp: 155976

Ion Ratio Lower Upper

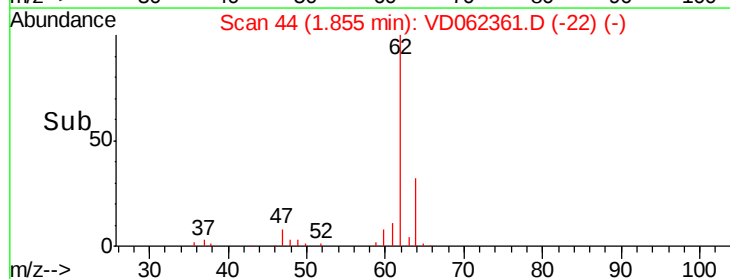
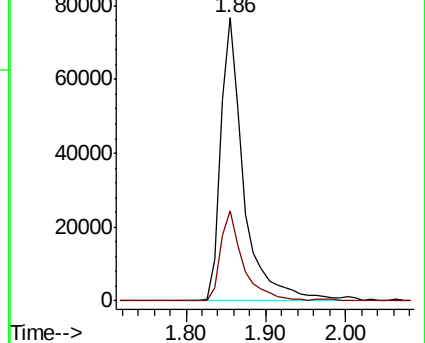
62 100

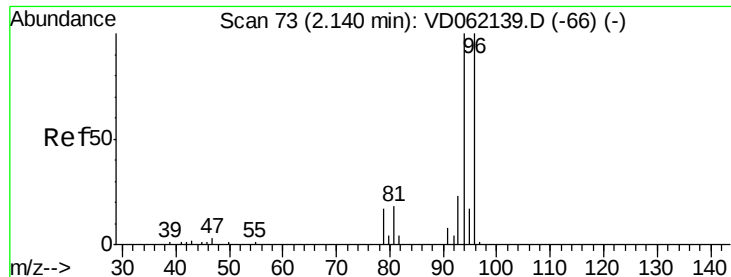
64 31.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 90.925 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampled :

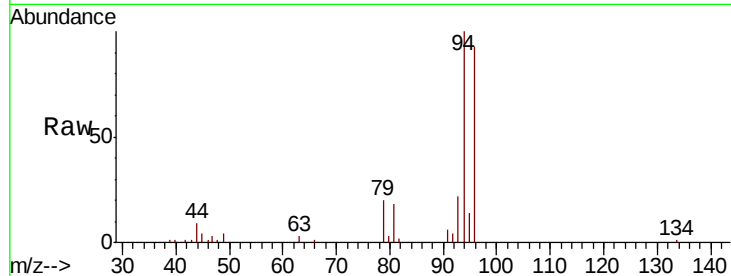
Tot Ion: 94 Resp: 72922

Ion Ratio Lower Upper

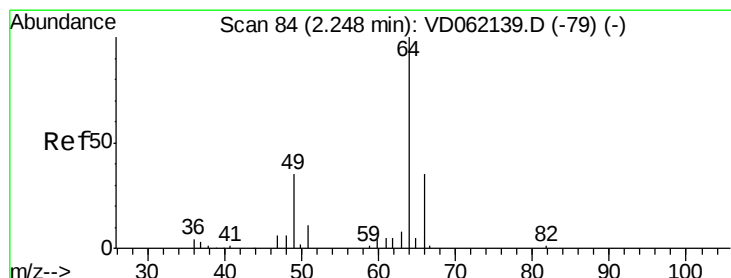
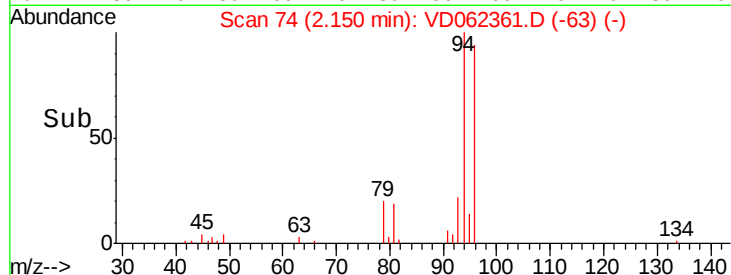
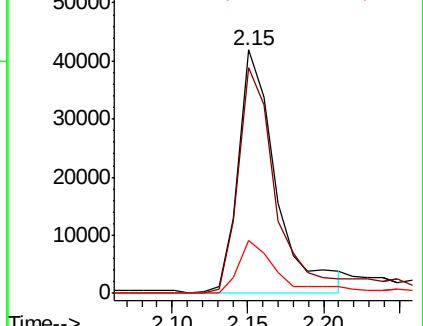
94 100

96 92.7 76.6 115.0

93 21.7 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 65.089 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062361.D

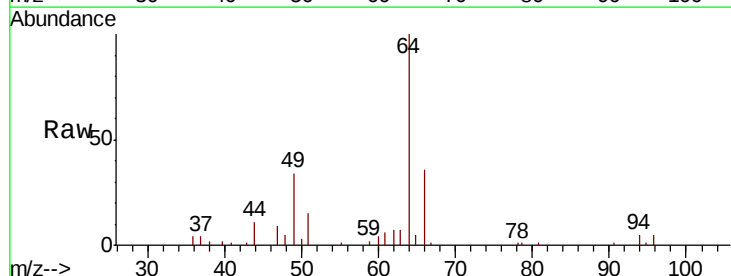
Acq: 14 May 2019 22:28

Tgt Ion: 64 Resp: 93483

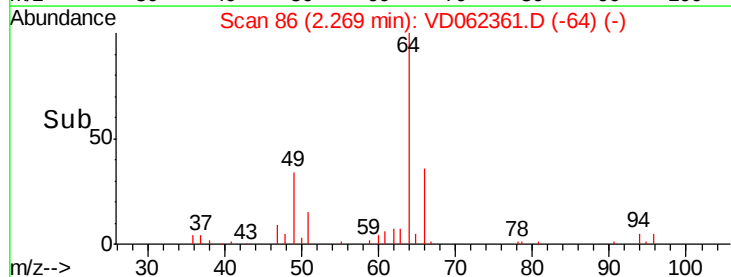
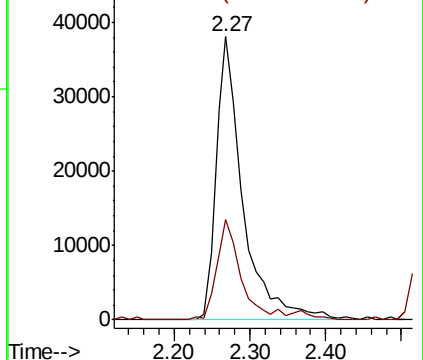
Ion Ratio Lower Upper

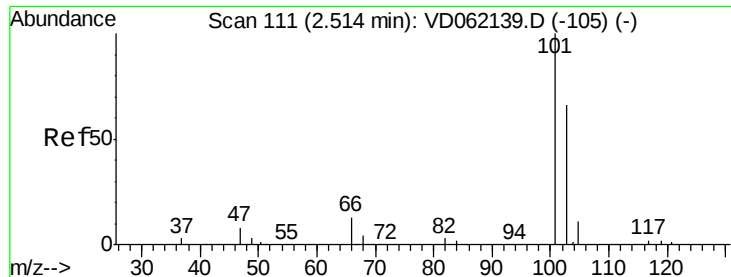
64 100

66 35.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



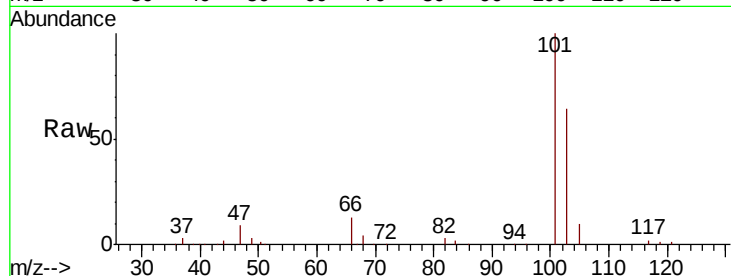


#7

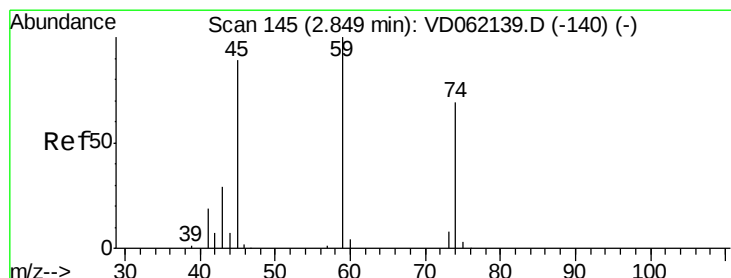
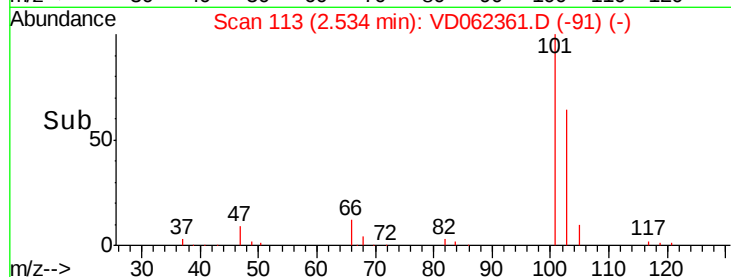
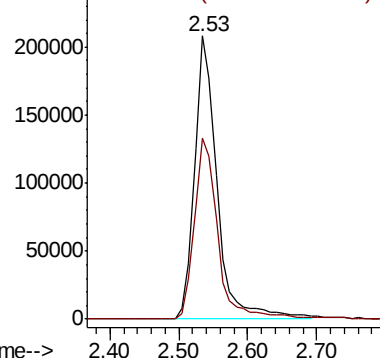
Trichlorofluoromethane
 Concen: 70.937 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 472038
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.6 80.4



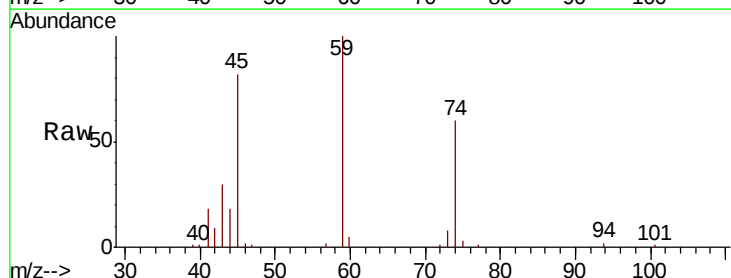
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



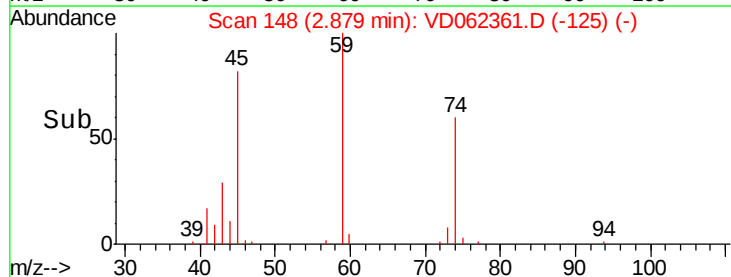
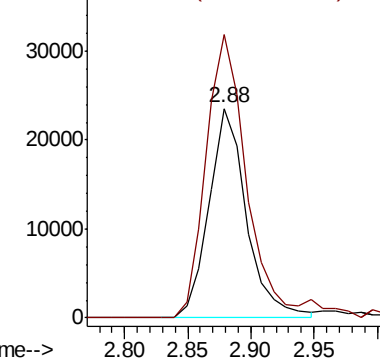
#8

Diethyl Ether
 Concen: 37.913 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 74 Resp: 48655
 Ion Ratio Lower Upper
 74 100
 45 135.0 56.9 170.7



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: 50.410 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampled :

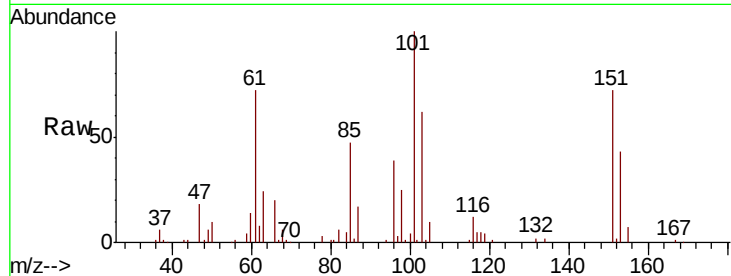
Tot Ion:101 Resp: 253750

Ion Ratio Lower Upper

101 100

85 47.2 32.4 48.6

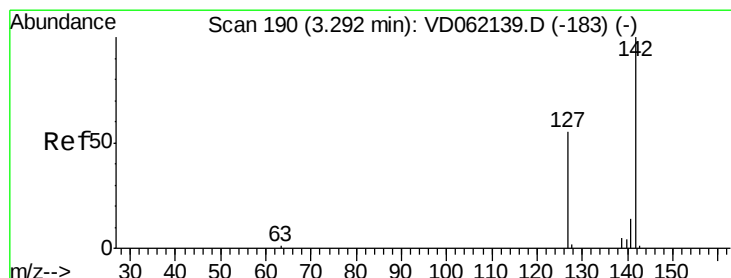
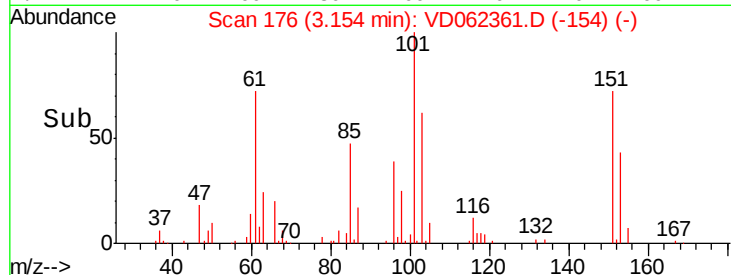
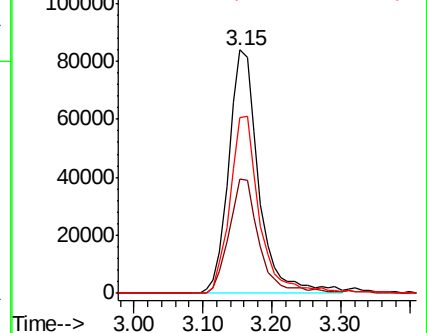
151 72.3 59.4 89.0



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: 38.859 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

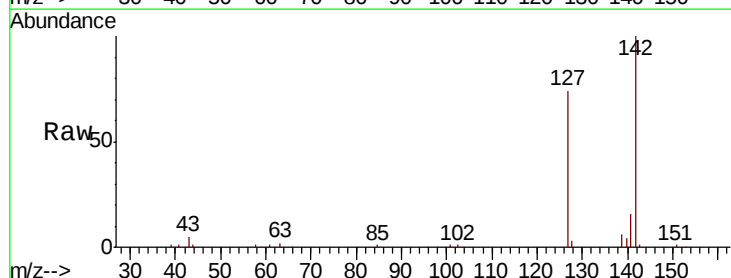
Tgt Ion:142 Resp: 295632

Ion Ratio Lower Upper

142 100

127 74.3 38.8 58.2#

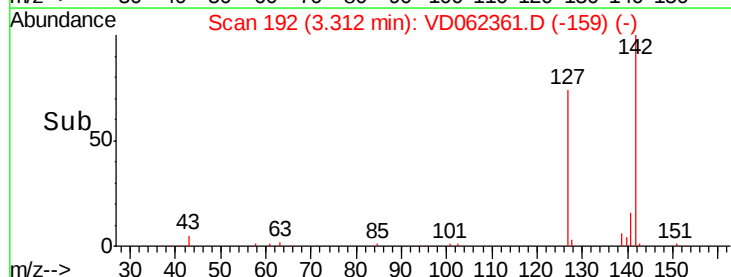
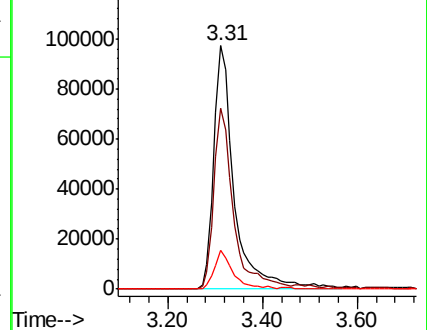
141 16.0 11.4 17.0



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

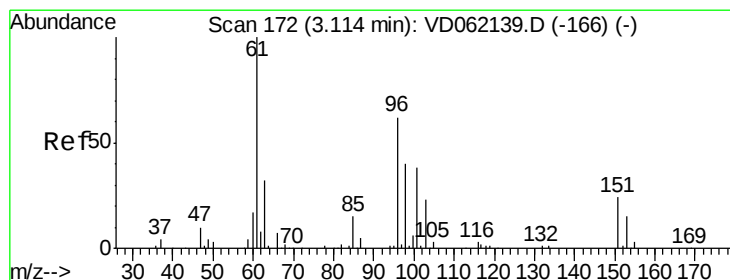
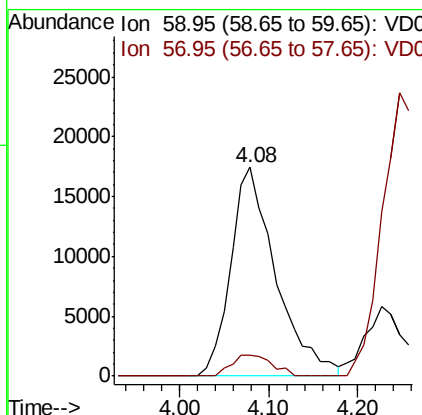
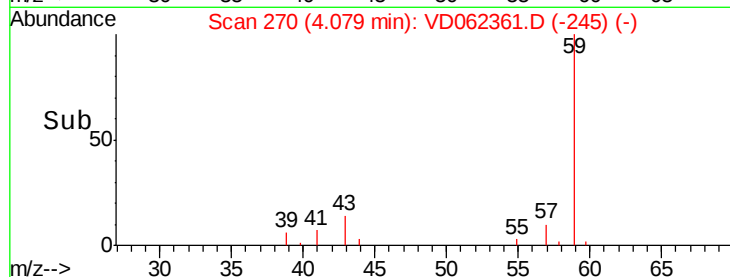
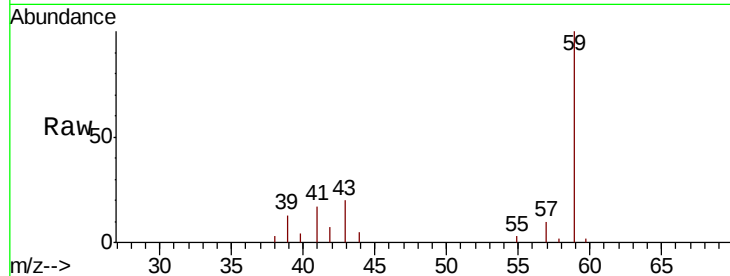




#11
Tert butyl alcohol
Concen: 256.154 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

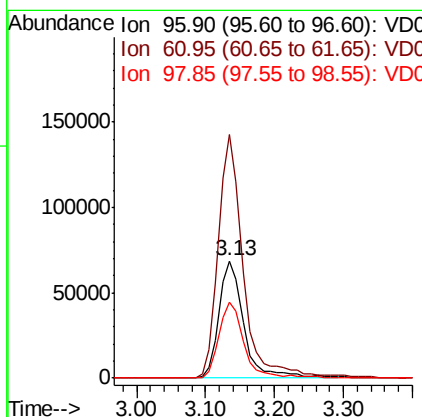
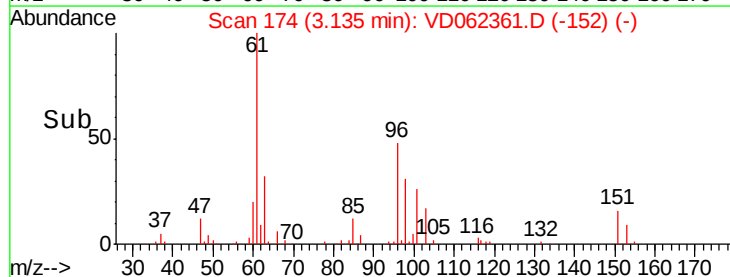
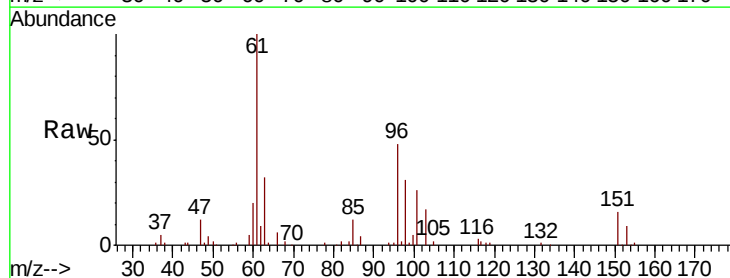
Instrument :
MSVOA_D
ClientSampled :

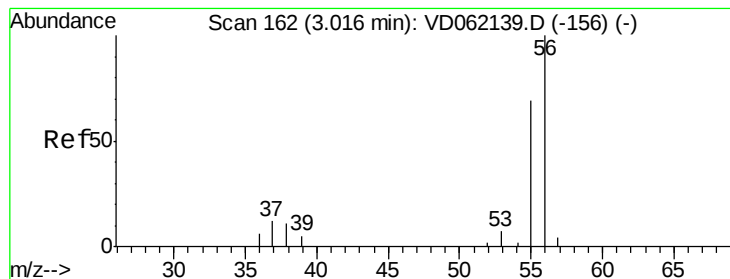
Tot Ion: 59 Resp: 61235
Ion Ratio Lower Upper
59 100
57 9.8 6.9 10.3



#12
1,1-Dichloroethene
Concen: 44.853 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 96 Resp: 172350
Ion Ratio Lower Upper
96 100
61 207.3 129.8 194.8#
98 64.2 51.2 76.8





#13

Acrolein

Concen: 217.543 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

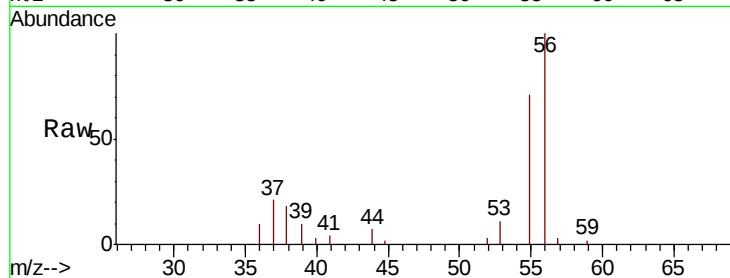
ClientSampleId :

Tot Ion: 56 Resp: 53789

Ion Ratio Lower Upper

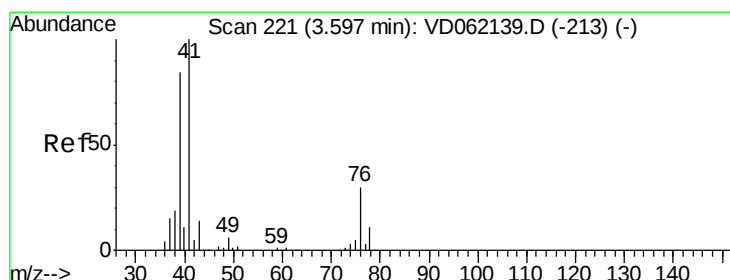
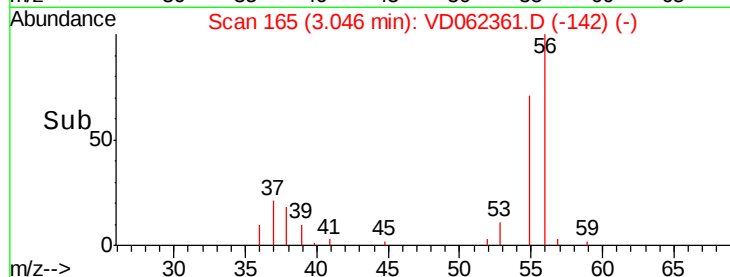
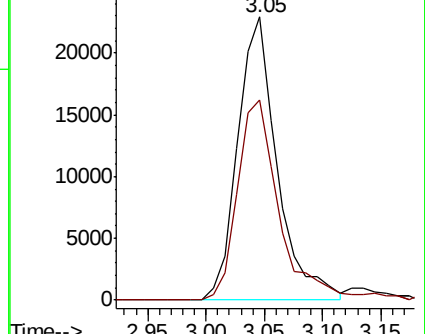
56 100

55 70.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.397 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

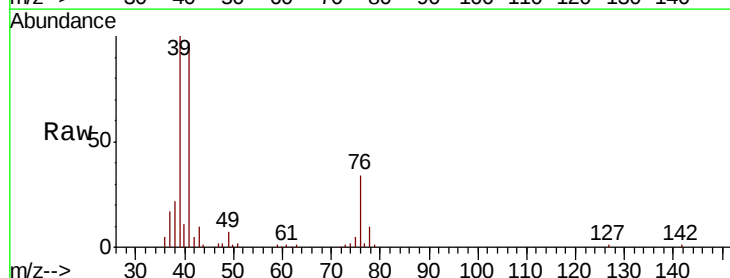
Tgt Ion: 41 Resp: 275981

Ion Ratio Lower Upper

41 100

39 102.8 60.5 90.7#

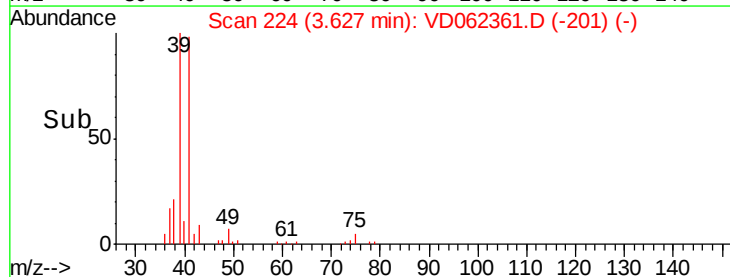
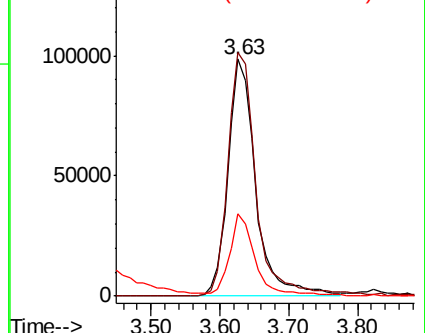
76 34.6 31.8 47.8



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: 227.580 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

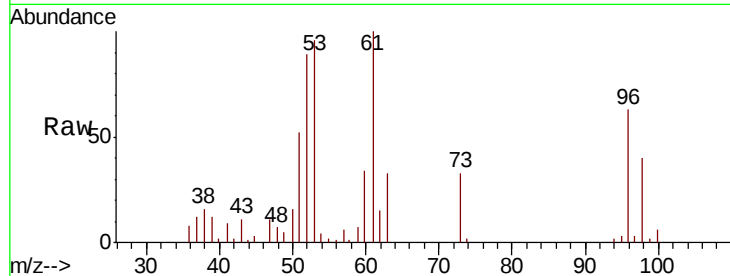
Tot Ion: 53 Resp: 142999

Ion Ratio Lower Upper

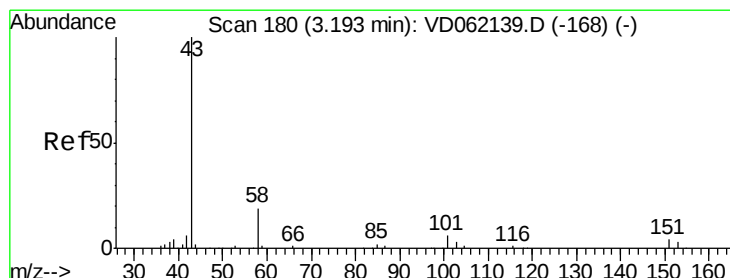
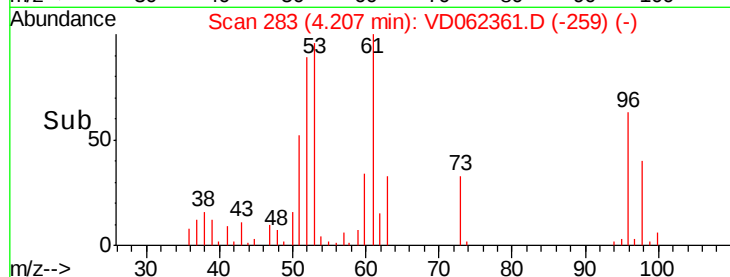
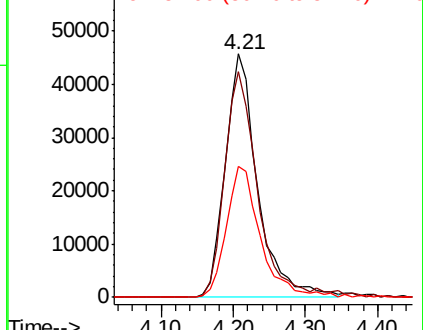
53 100

52 92.5 65.0 97.4

51 53.6 32.6 48.8#



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: 269.958 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062361.D

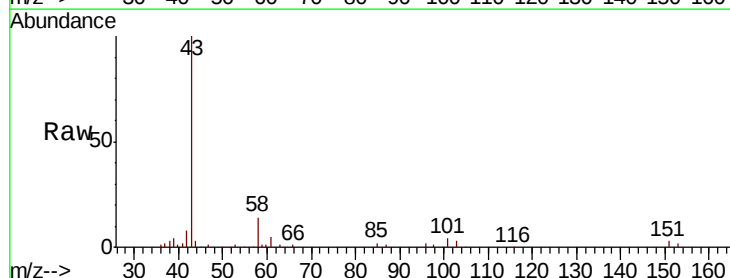
Acq: 14 May 2019 22:28

Tgt Ion: 43 Resp: 265134

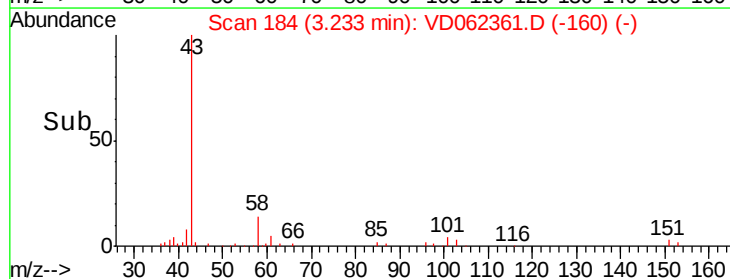
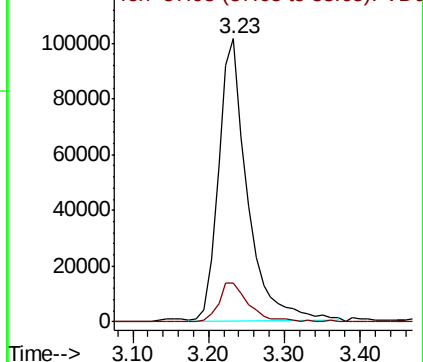
Ion Ratio Lower Upper

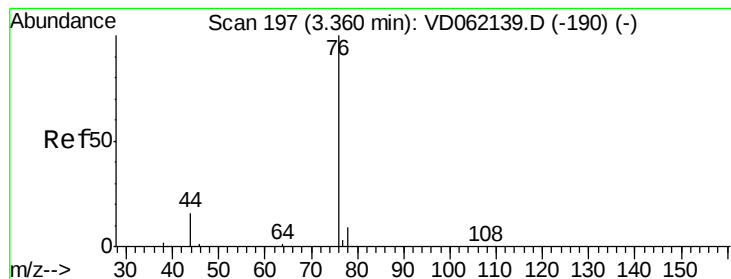
43 100

58 13.6 19.9 29.9#



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





#17

Carbon Disulfide

Concen: 41.326 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

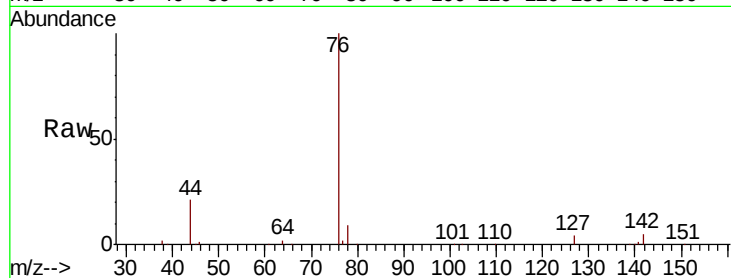
ClientSampleId :

Tot Ion: 76 Resp: 456810

Ion Ratio Lower Upper

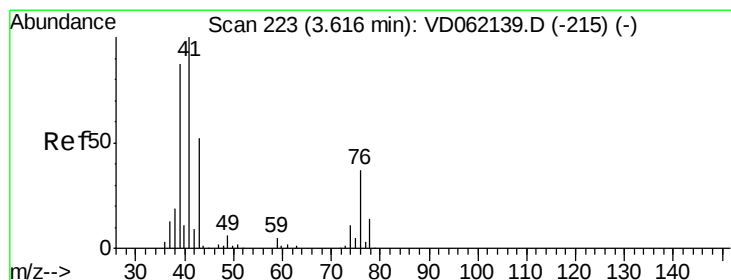
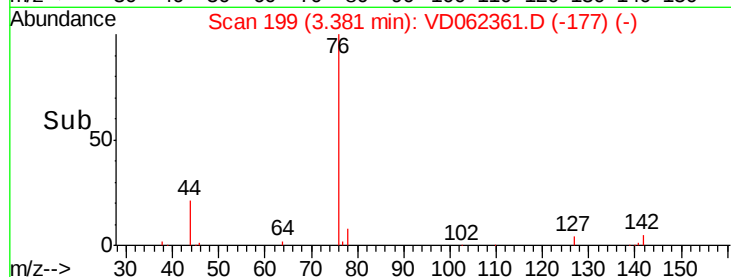
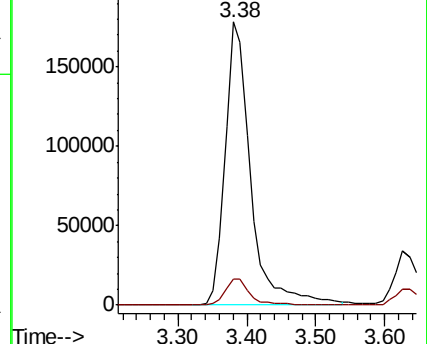
76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 54.466 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD062361.D

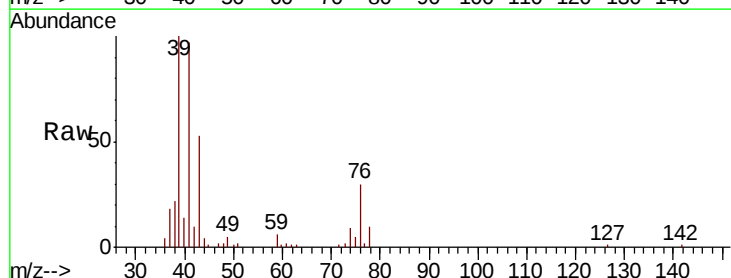
Acq: 14 May 2019 22:28

Tgt Ion: 43 Resp: 95623

Ion Ratio Lower Upper

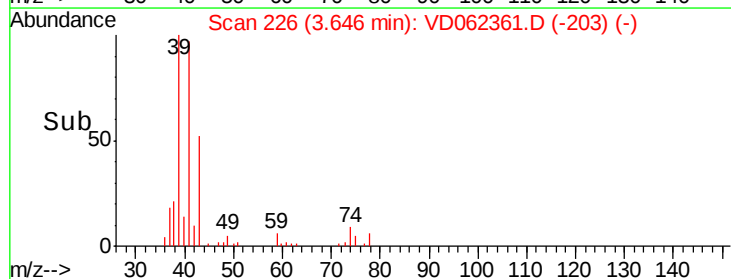
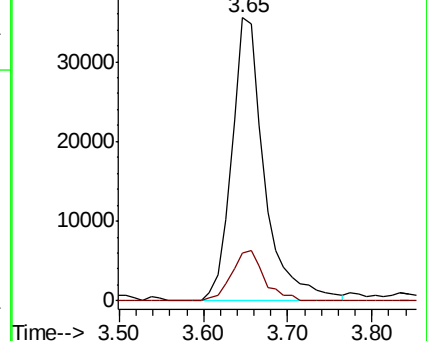
43 100

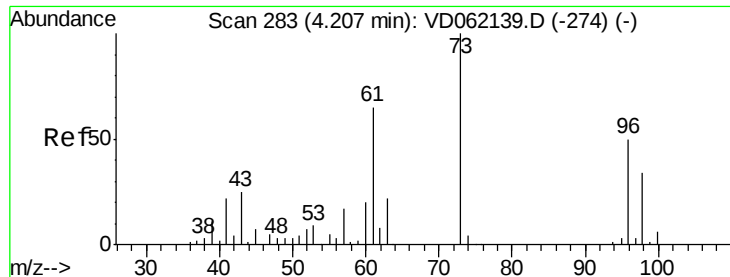
74 17.1 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

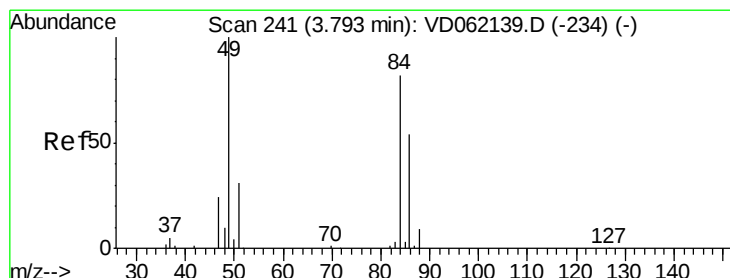
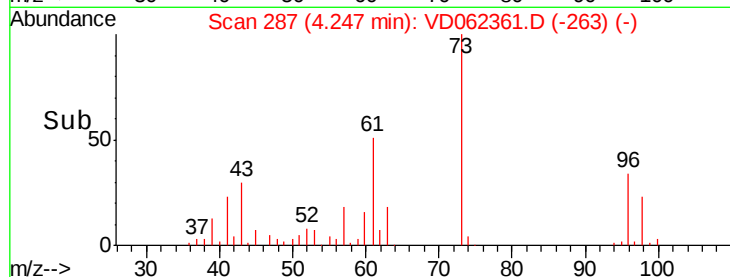
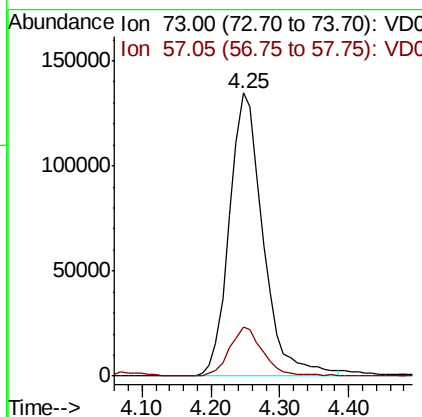
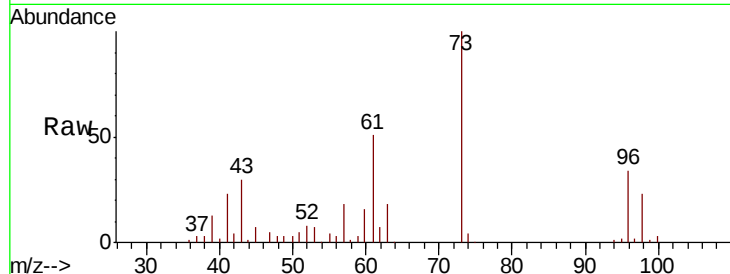




#19
Methvl tert-butvl Ether
Concen: 55.664 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

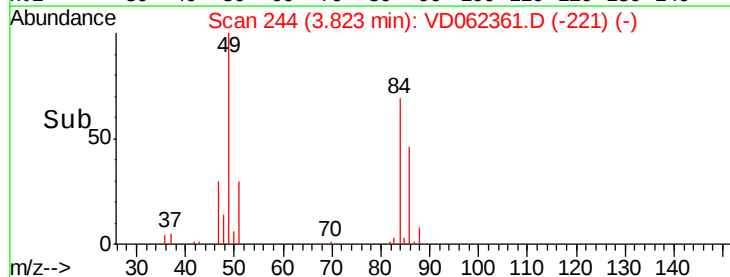
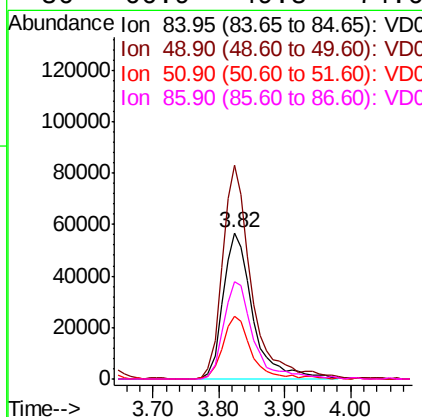
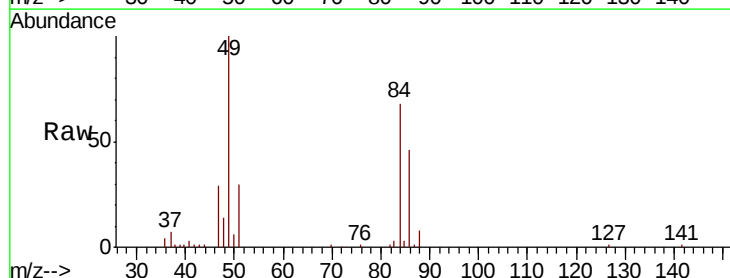
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 458464
Ion Ratio Lower Upper
73 100
57 17.6 16.3 24.5



#20
Methylene Chloride
Concen: 43.725 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 84 Resp: 179304
Ion Ratio Lower Upper
84 100
49 146.4 94.0 141.0#
51 43.3 29.0 43.4
86 66.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 48.325 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampled :

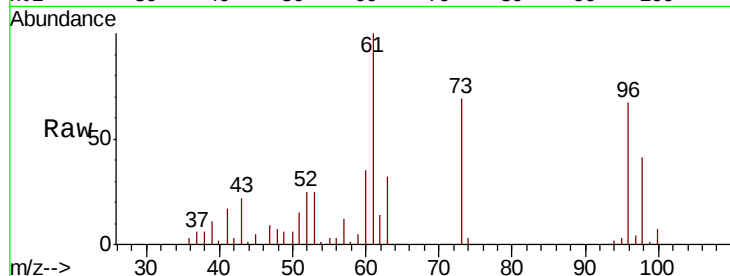
Tot Ion: 96 Resp: 206630

Ion Ratio Lower Upper

96 100

61 149.8 104.4 156.6

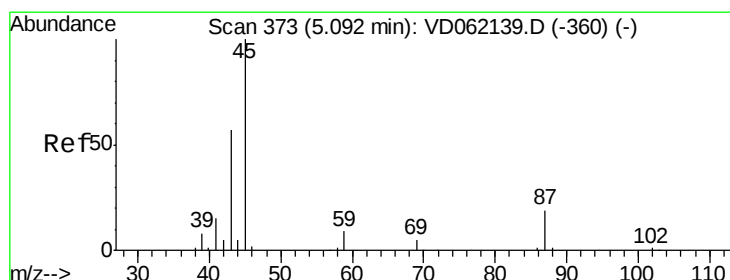
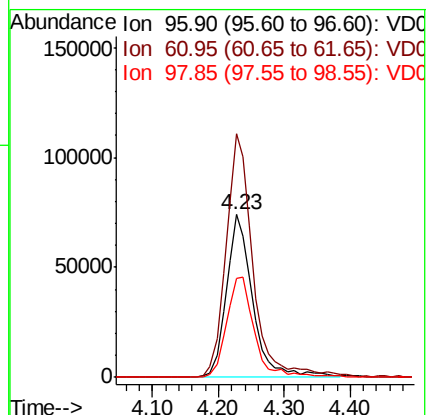
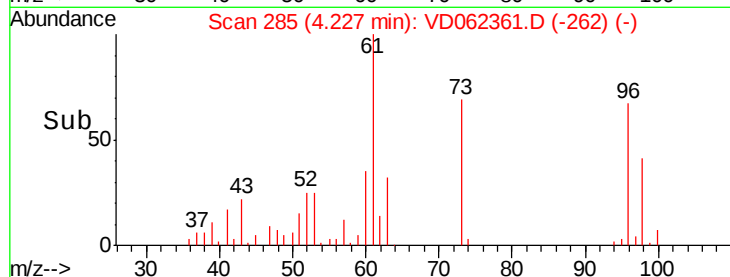
98 61.0 51.8 77.8



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: 51.900 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Tgt Ion: 45 Resp: 617042

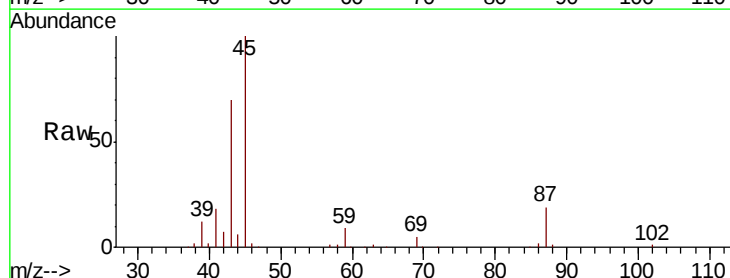
Ion Ratio Lower Upper

45 100

43 70.1 46.2 69.2#

87 18.9 15.9 23.9

59 9.4 7.9 11.9

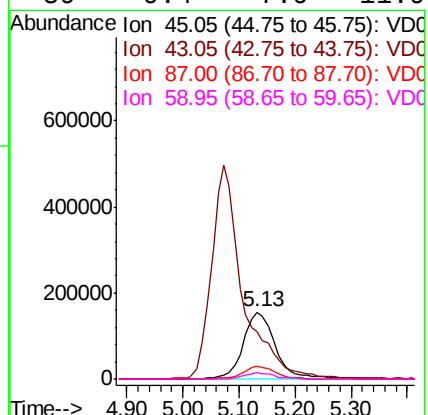
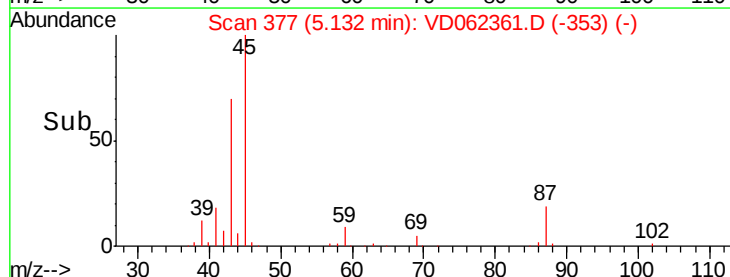


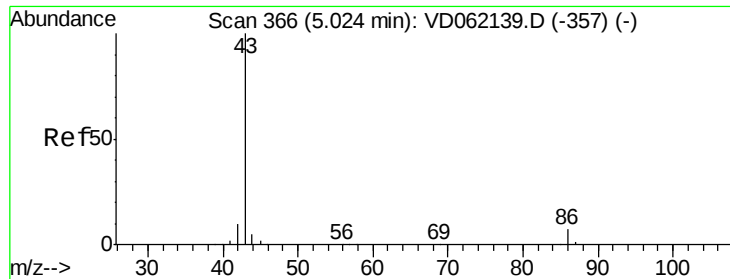
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

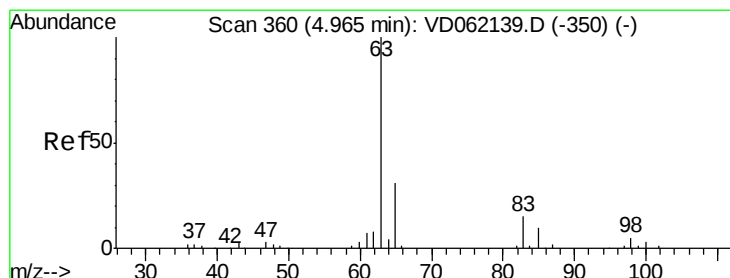
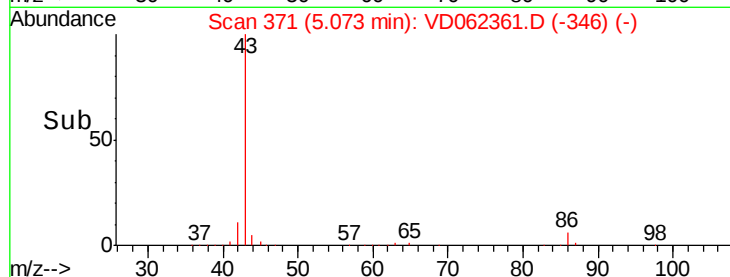
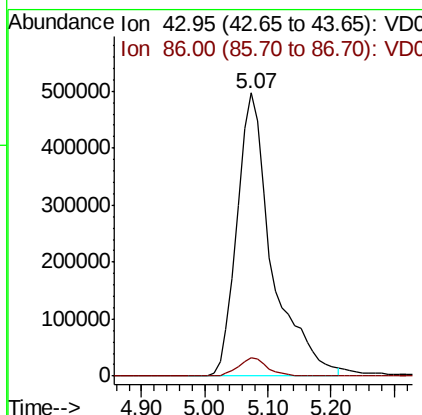
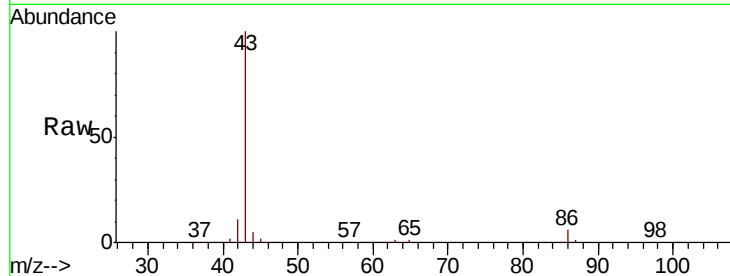




#23
 Vinyl Acetate
 Concen: 304.027 ug/l
 RT: 5.07 min Scan# 371
 Delta R.T. 0.05 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

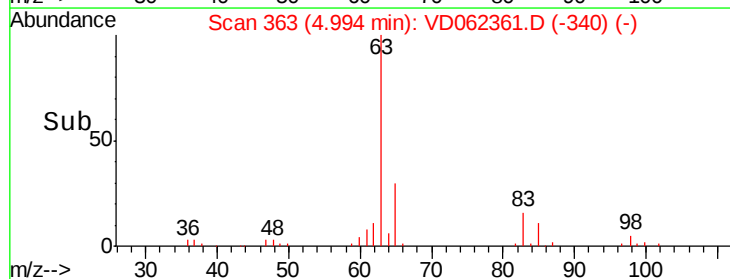
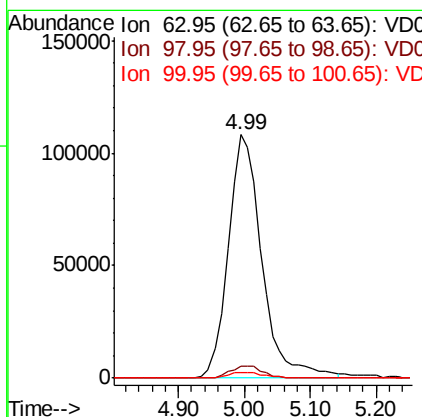
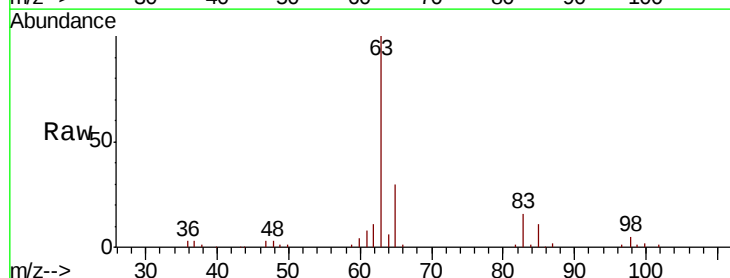
Instrument :
 MSVOA_D
 ClientSampled :

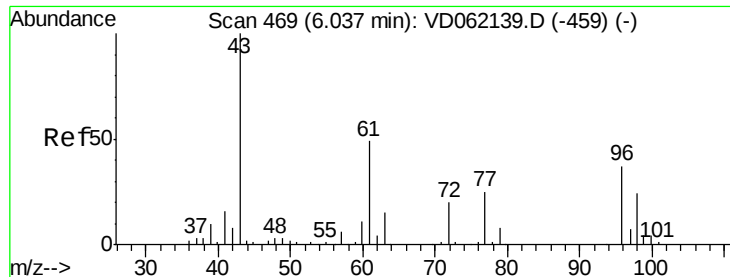
Tot Ion: 43 Resp: 1907102
 Ion Ratio Lower Upper
 43 100
 86 6.3 6.4 9.6#



#24
 1,1-Dichloroethane
 Concen: 53.824 ug/l
 RT: 4.99 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 63 Resp: 386042
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.8 8.4
 100 2.4 1.8 5.5





#25

2-Butanone

Concen: 278.415 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

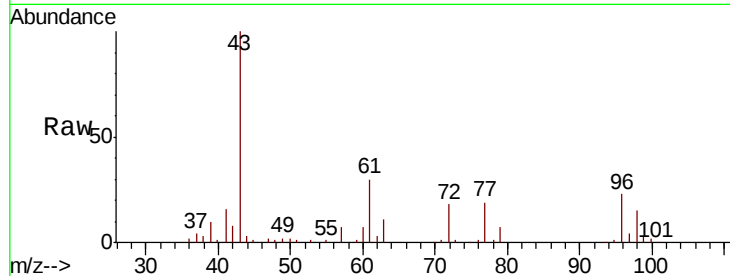
ClientSampleID :

Tot Ion: 43 Resp: 298258

Ion Ratio Lower Upper

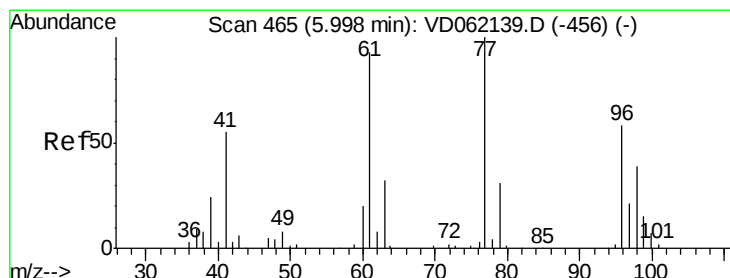
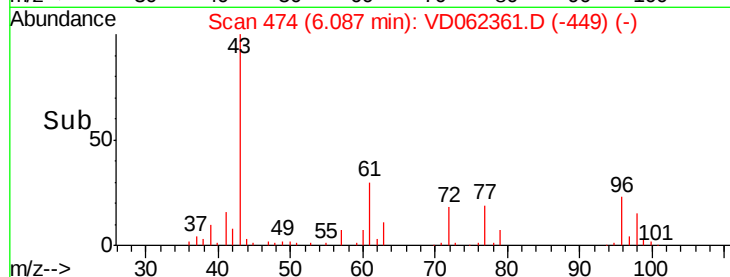
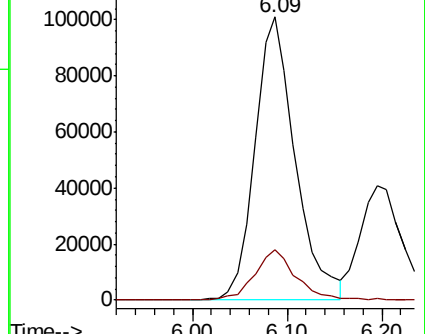
43 100

72 17.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 60.015 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062361.D

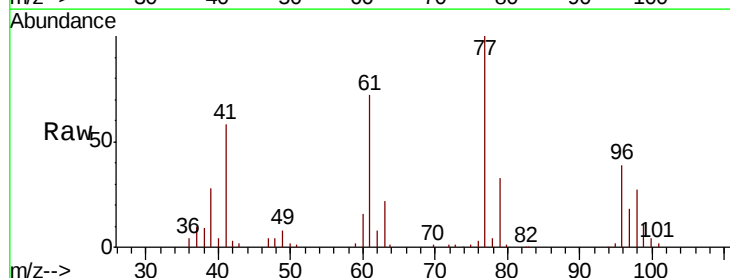
Acq: 14 May 2019 22:28

Tgt Ion: 77 Resp: 428769

Ion Ratio Lower Upper

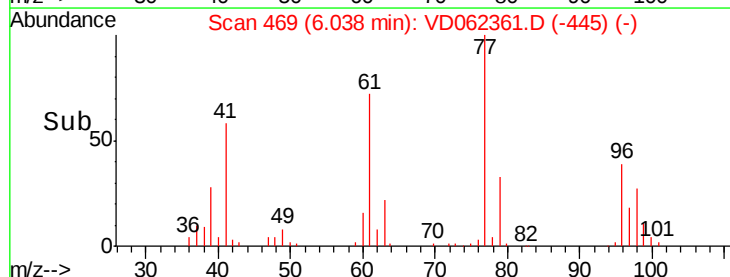
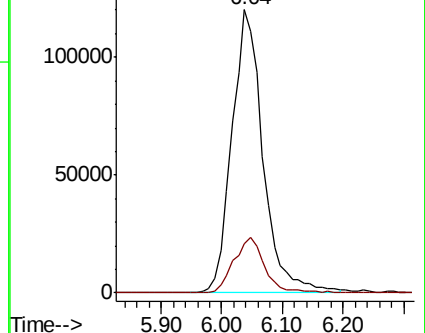
77 100

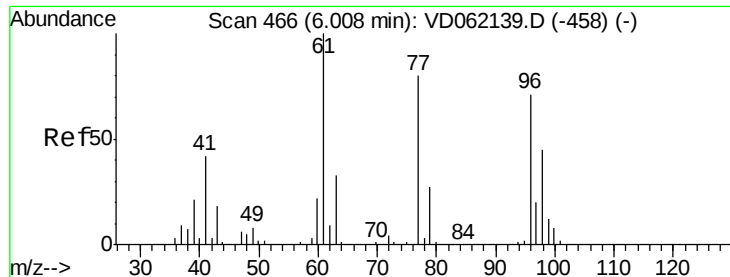
97 17.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



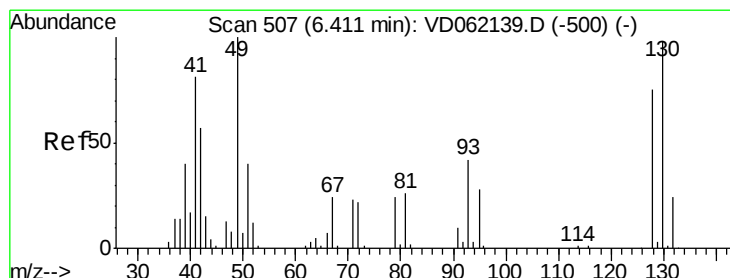
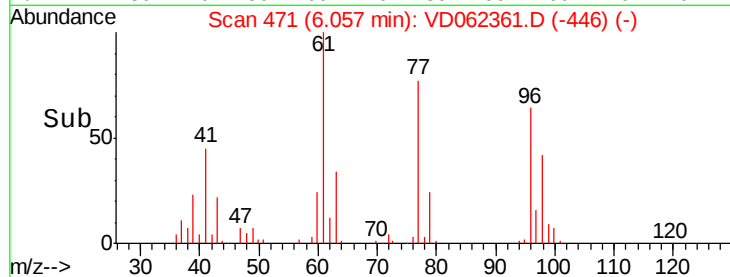
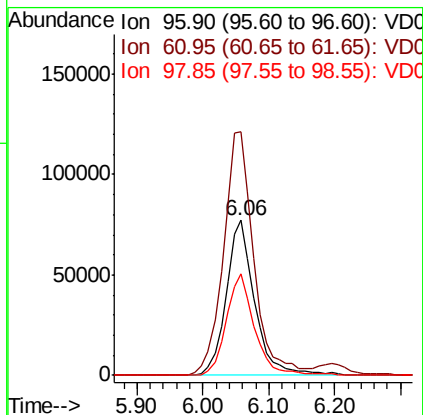
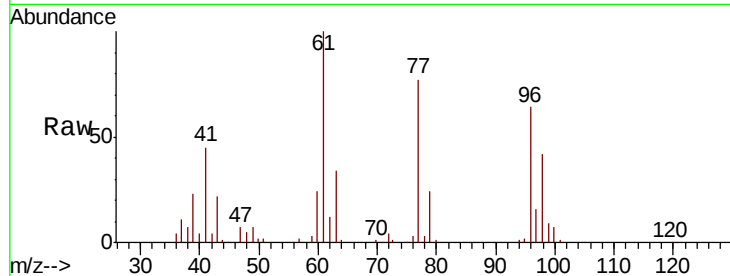


#27

cis-1,2-Dichloroethene
Concen: 48.774 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :

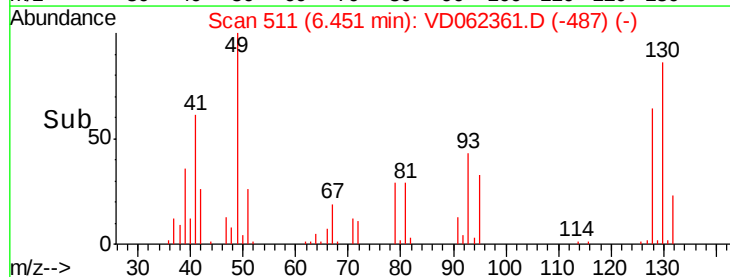
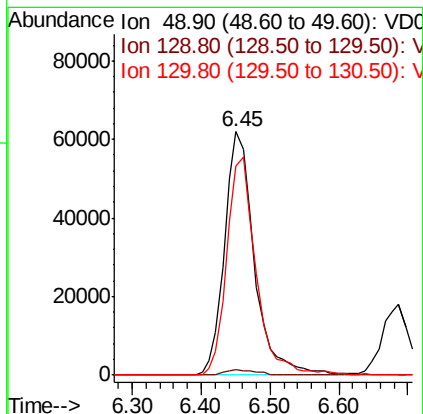
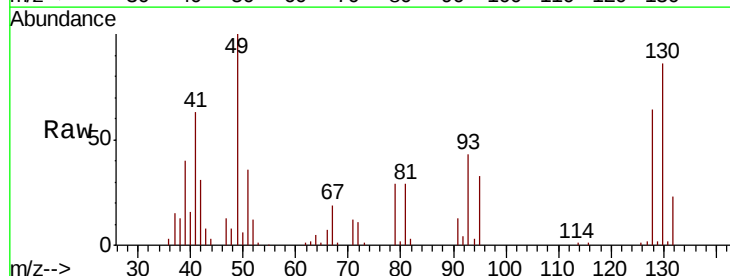
Tot Ion	96	Resp	233436
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	279.8
98	65.4	0.0	136.0

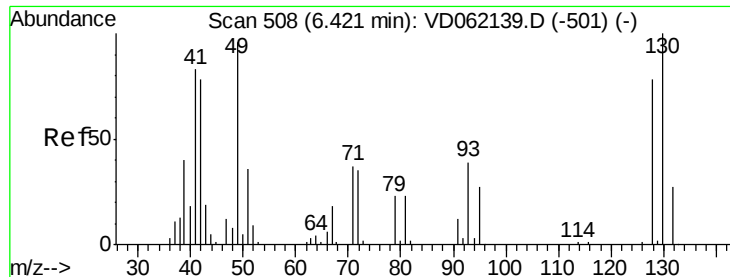


#28

Bromochloromethane
Concen: 65.726 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	49	Resp	185465
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	6.6
130	85.7	86.7	130.1#





#29

Tetrahydrofuran

Concen: 272.817 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampled :

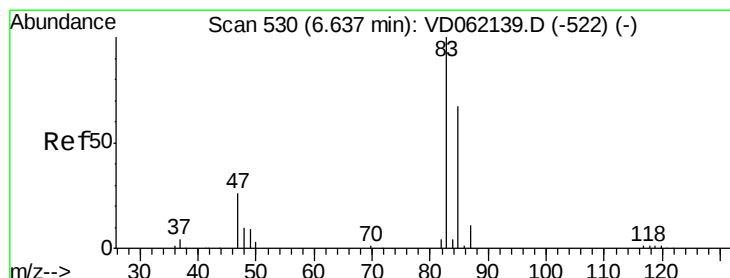
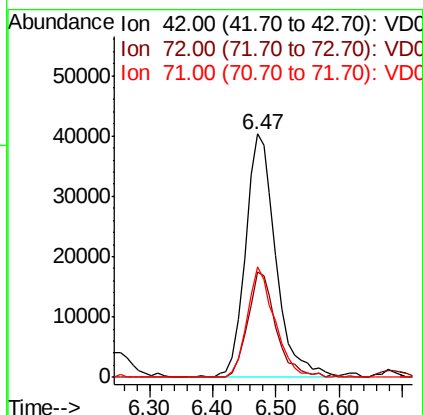
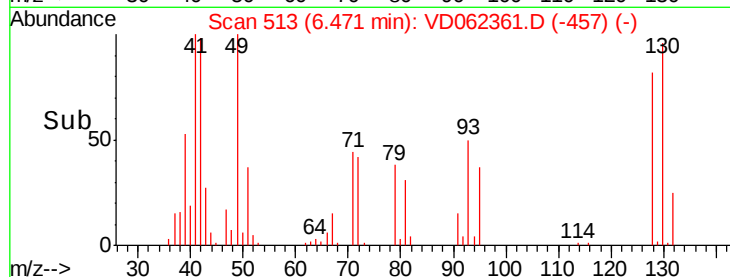
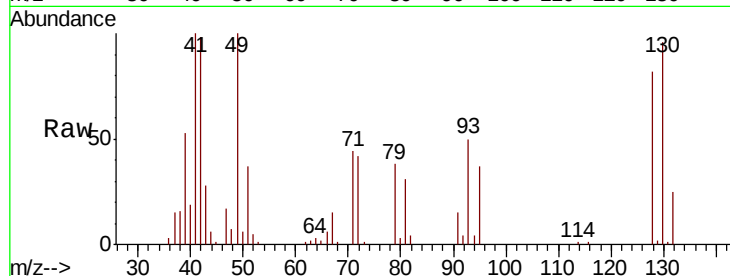
Tot Ion: 42 Resp: 134662

Ion Ratio Lower Upper

42 100

72 40.3 37.8 56.6

71 41.2 36.7 55.1



#30

Chloroform

Concen: 61.408 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.05 min

Lab File: VD062361.D

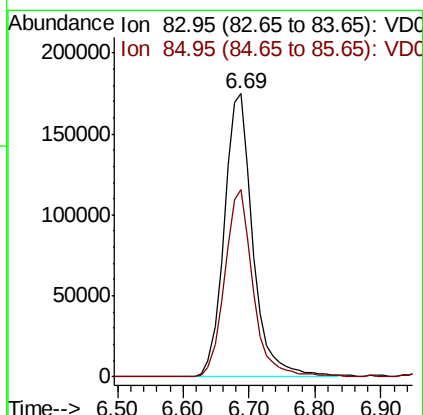
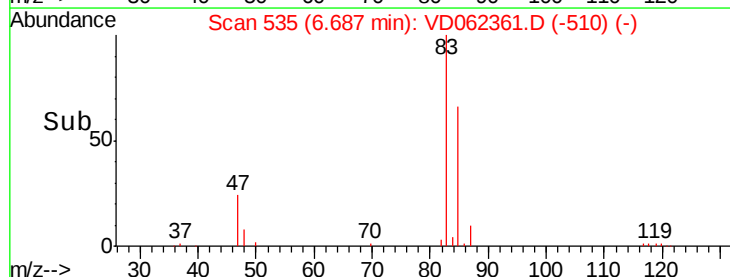
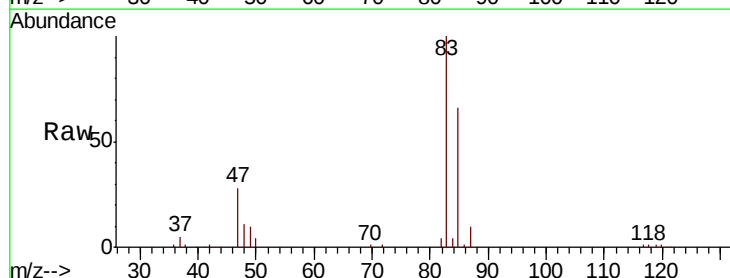
Acq: 14 May 2019 22:28

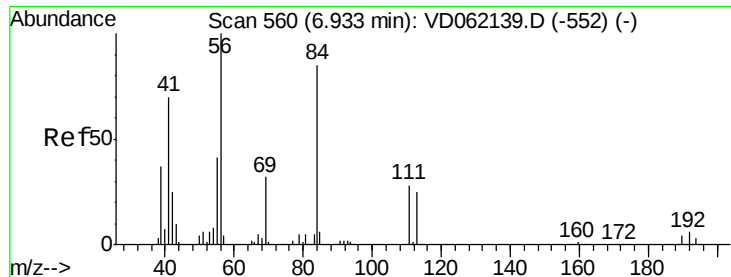
Tgt Ion: 83 Resp: 530799

Ion Ratio Lower Upper

83 100

85 66.2 51.7 77.5

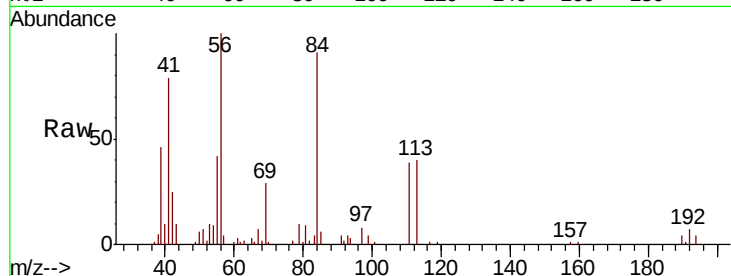




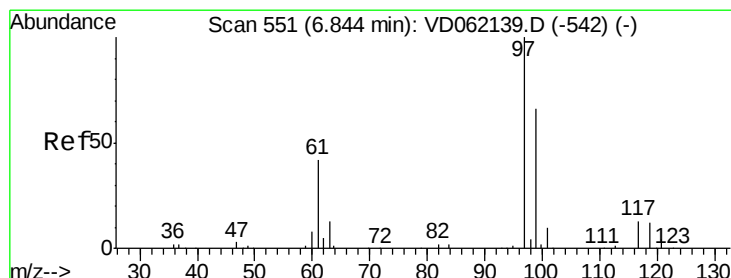
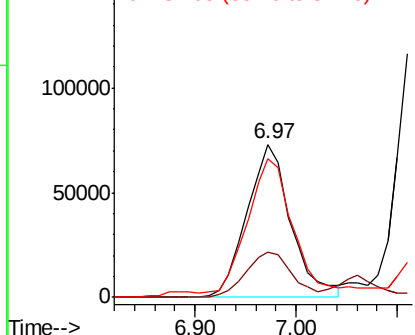
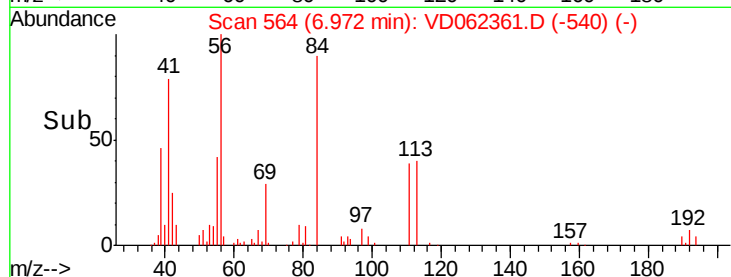
#31
Cyclohexane
Concen: 45.126 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 221738
Ion Ratio Lower Upper
56 100
69 29.4 25.8 38.6
84 90.8 72.2 108.4

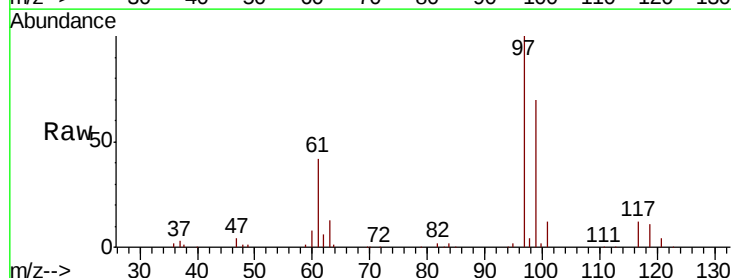


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

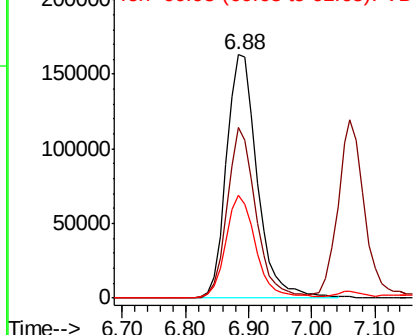
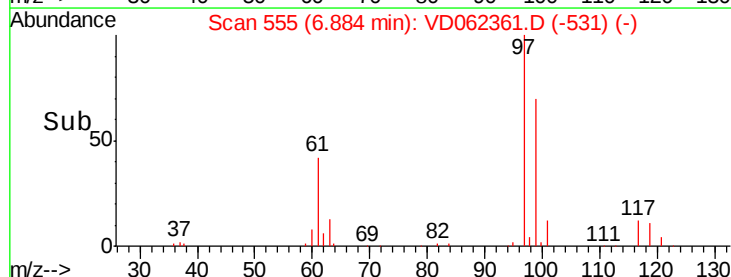


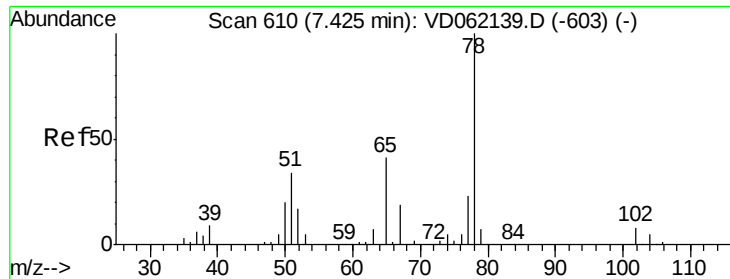
#32
1,1,1-Trichloroethane
Concen: 67.410 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 97 Resp: 550739
Ion Ratio Lower Upper
97 100
99 70.1 52.2 78.2
61 42.4 32.4 48.6



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: 61.814 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

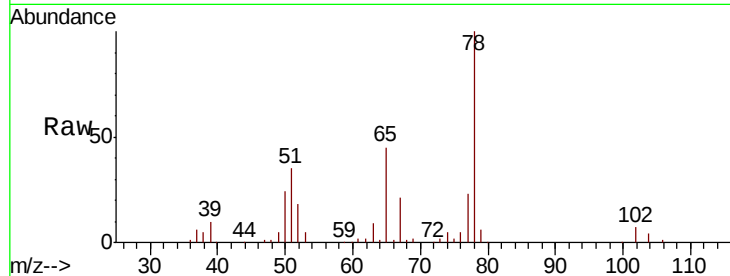
ClientSampleId :

Tot Ion: 65 Resp: 289490

Ion Ratio Lower Upper

65 100

67 45.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

120000

100000

80000

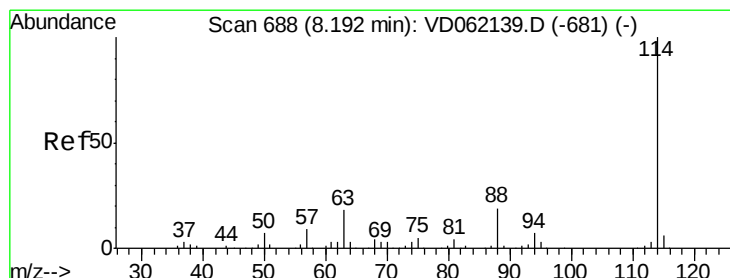
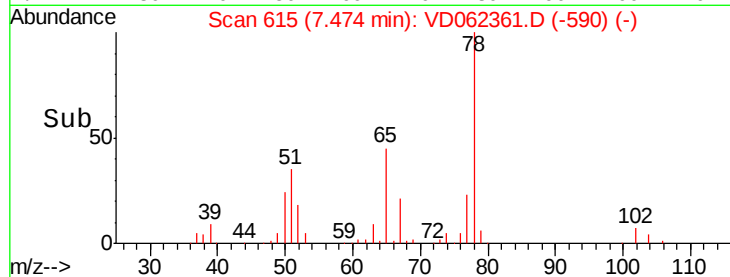
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

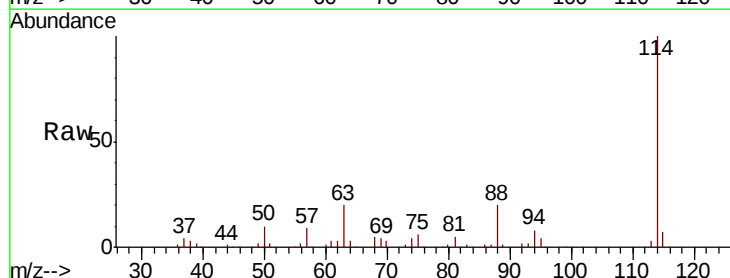
Tgt Ion: 114 Resp: 728542

Ion Ratio Lower Upper

114 100

63 19.8 0.0 32.4

88 20.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

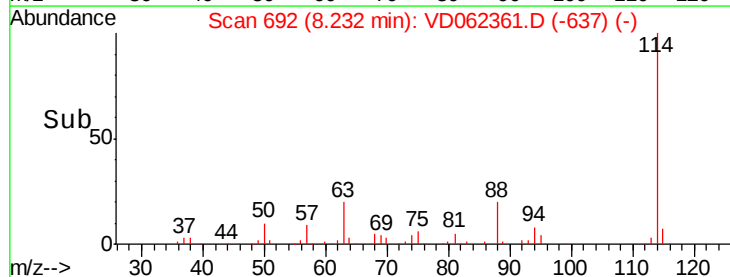
300000

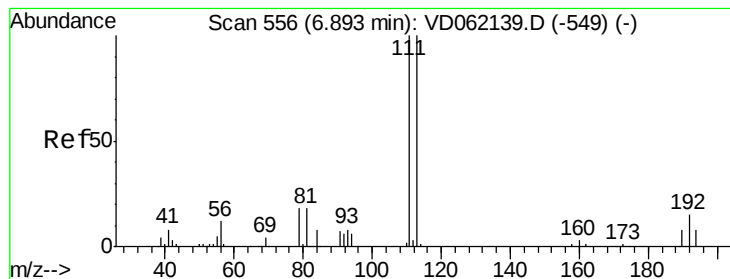
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.977 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

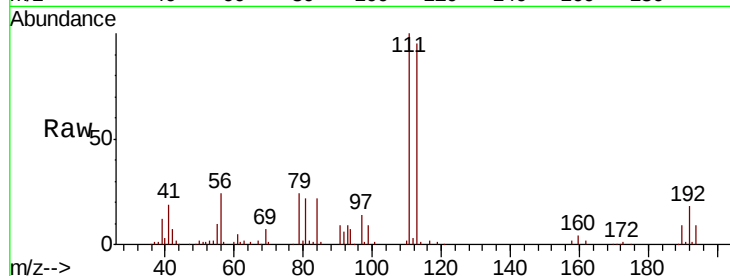
Tot Ion:113 Resp: 308148

Ion Ratio Lower Upper

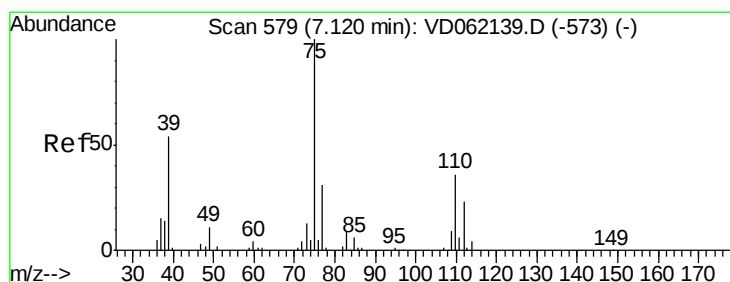
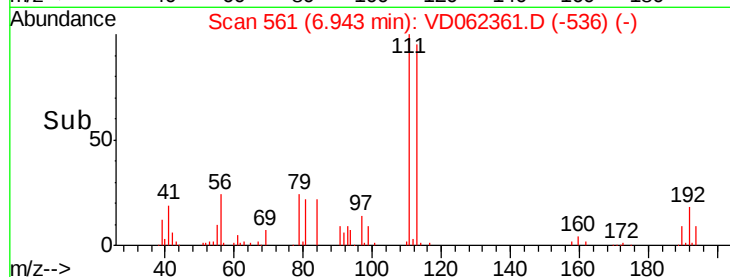
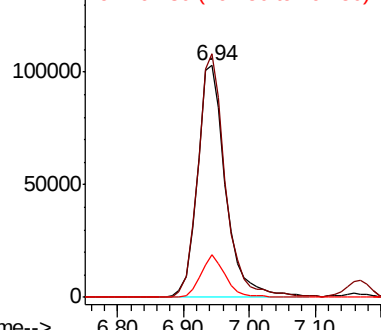
113 100

111 105.0 78.5 117.7

192 18.5 13.0 19.4



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: 58.530 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

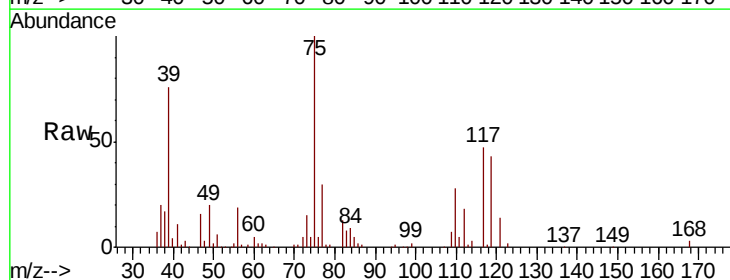
Tgt Ion: 75 Resp: 349622

Ion Ratio Lower Upper

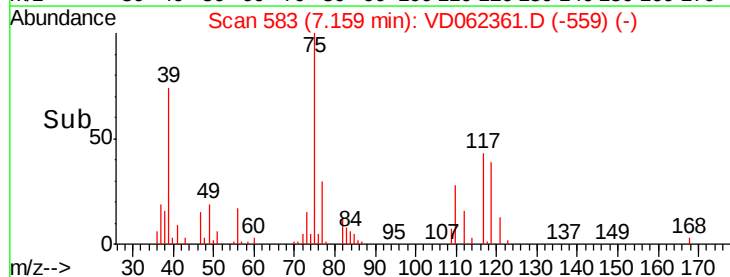
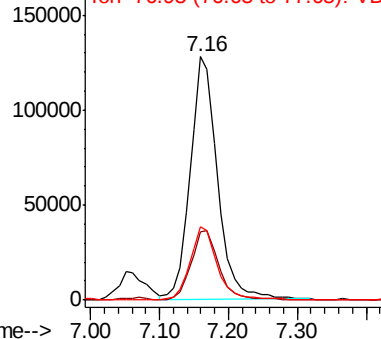
75 100

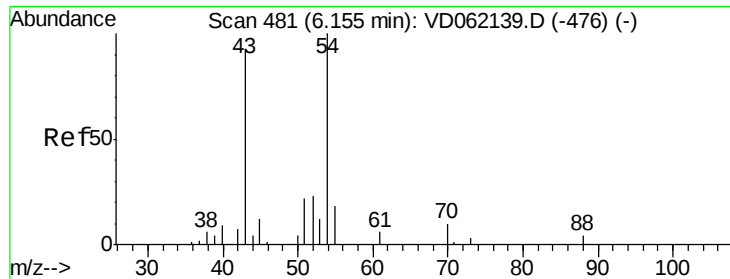
110 28.3 19.1 57.1

77 30.0 25.6 38.4



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

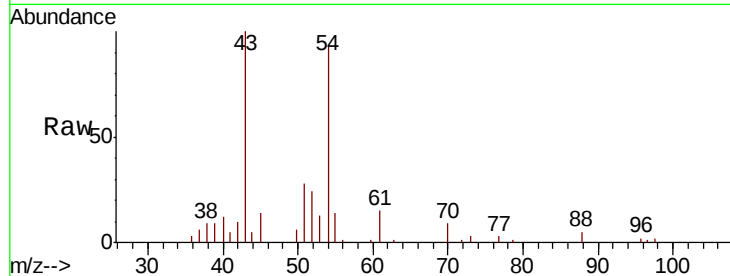




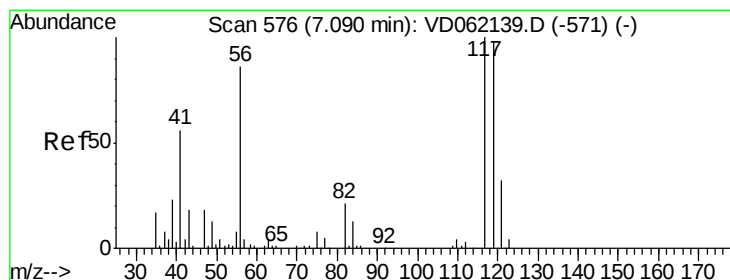
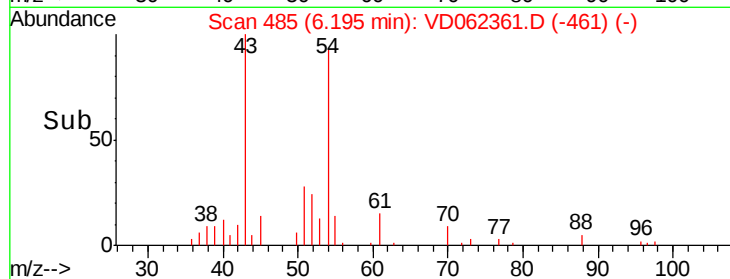
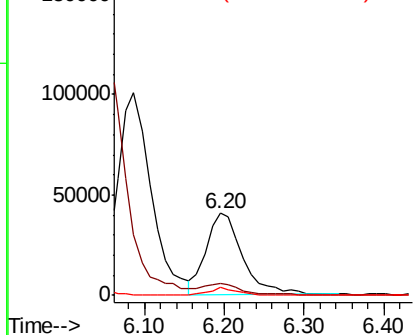
#37
Ethyl Acetate
Concen: 50.596 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 128172
Ion Ratio Lower Upper
43 100
61 14.8 14.7 22.1
70 9.2 7.8 11.6

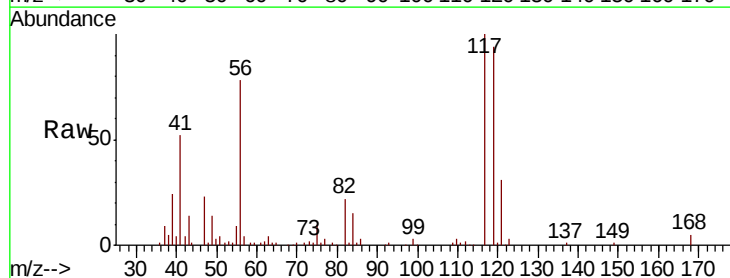


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

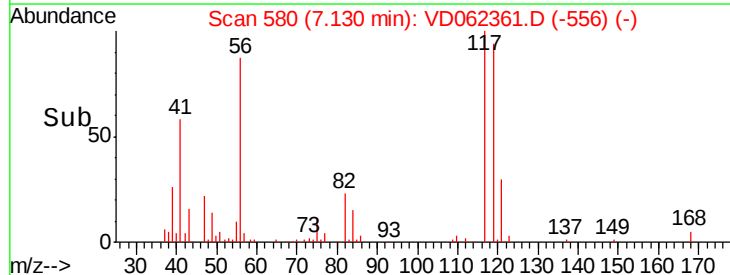
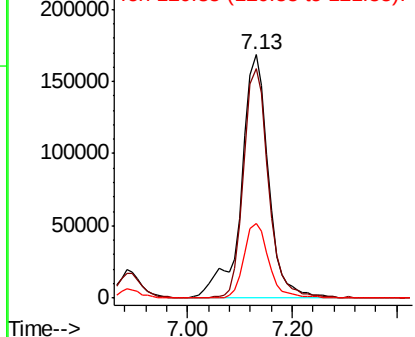


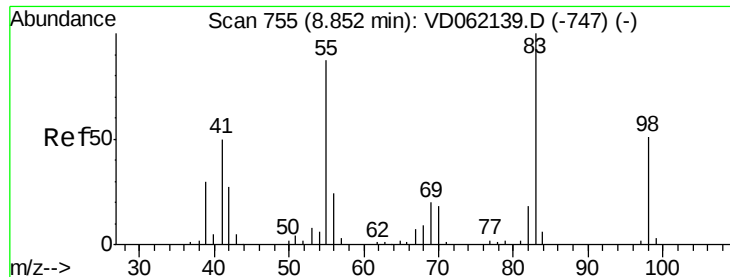
#38
Carbon Tetrachloride
Concen: 71.655 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 117 Resp: 592415
Ion Ratio Lower Upper
117 100
119 94.2 75.8 113.8
121 30.6 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

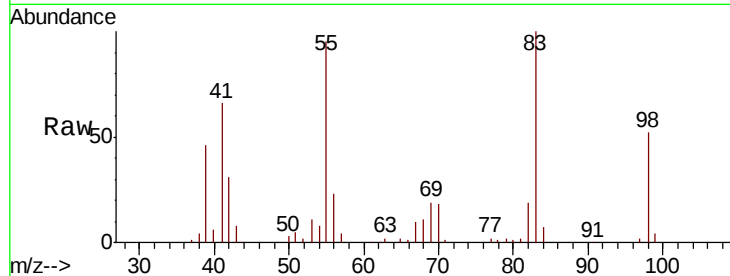




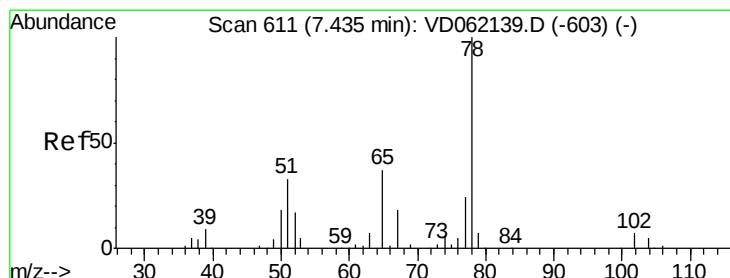
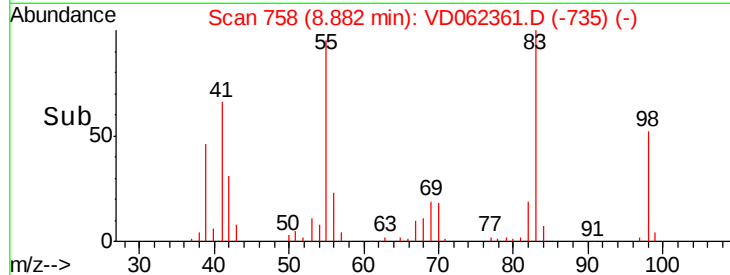
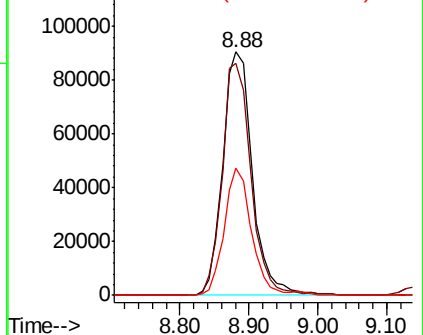
#39
Methvlcvclohexane
Concen: 46.989 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 268930
Ion Ratio Lower Upper
83 100
55 95.3 68.2 102.4
98 52.4 38.2 57.4

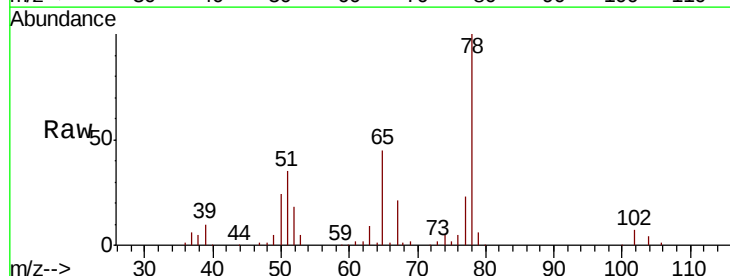


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

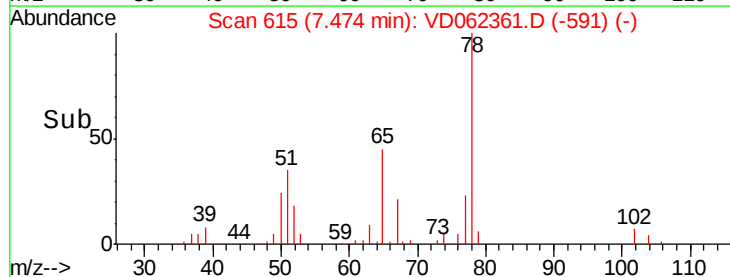
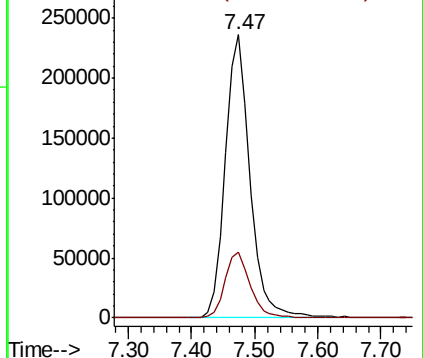


#40
Benzene
Concen: 47.540 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 78 Resp: 641238
Ion Ratio Lower Upper
78 100
77 23.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 57.256 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 177248

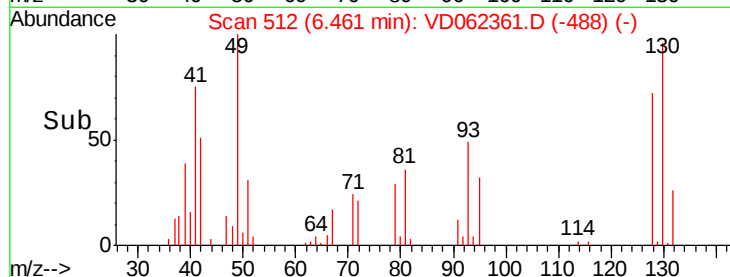
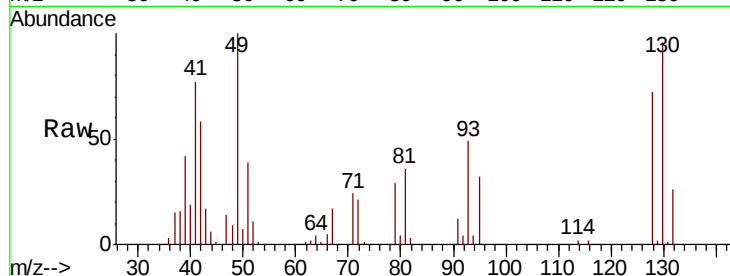
Ion Ratio Lower Upper

41 100

39 55.0 34.1 51.1#

67 22.1 23.8 35.6#

52 14.5 8.8 13.2#

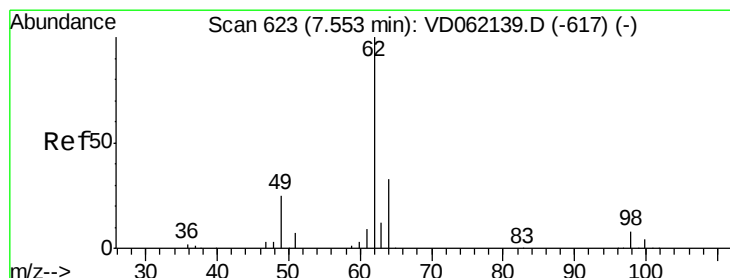
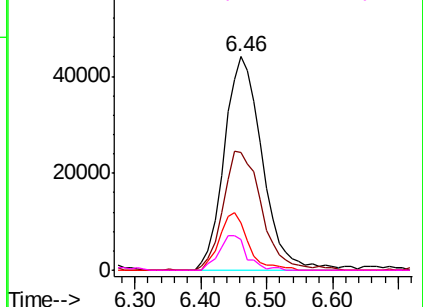


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 64.061 ug/l

RT: 7.59 min Scan# 627

Delta R.T. 0.04 min

Lab File: VD062361.D

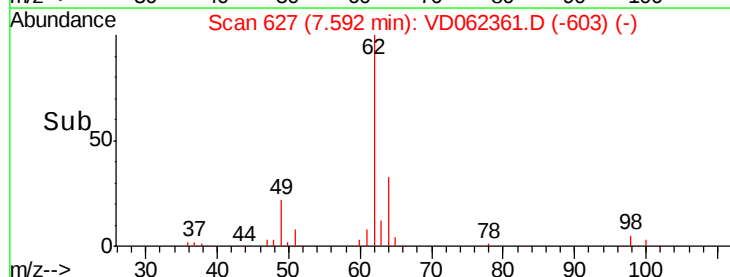
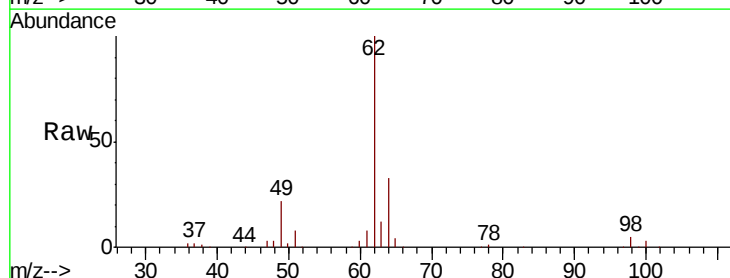
Acq: 14 May 2019 22:28

Tgt Ion: 62 Resp: 366103

Ion Ratio Lower Upper

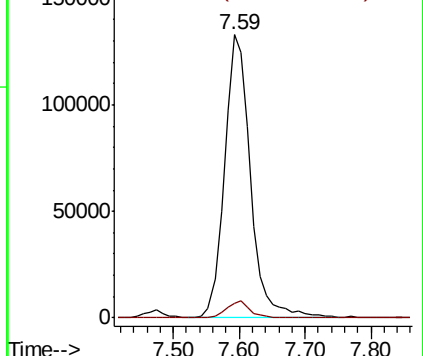
62 100

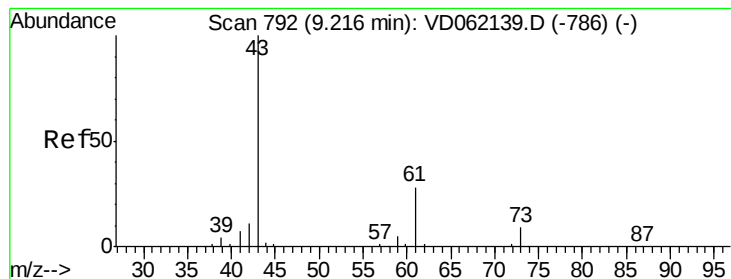
98 4.9 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



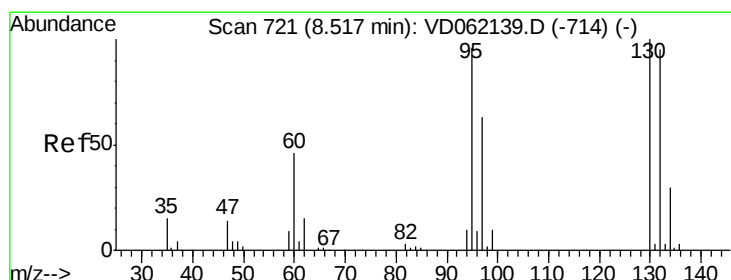
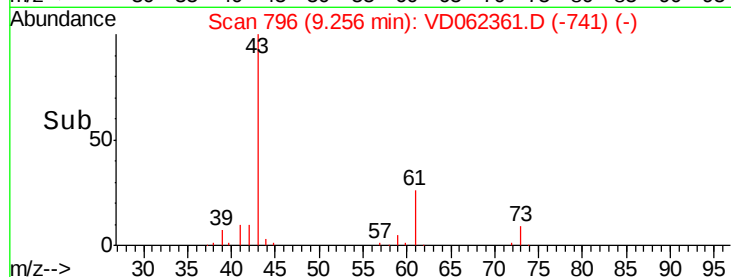
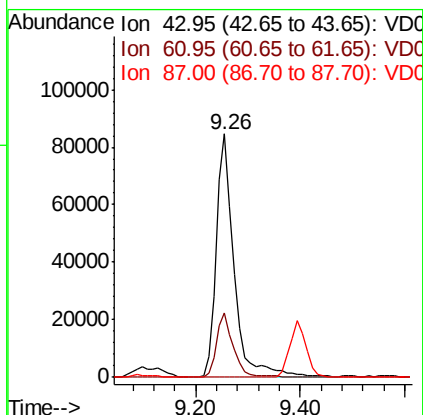
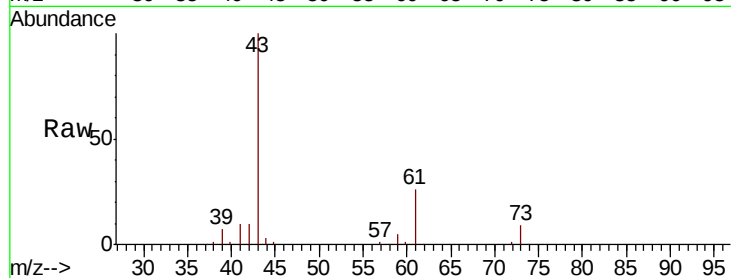


#43

Isopropyl Acetate
 Concen: 56.032 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampled :

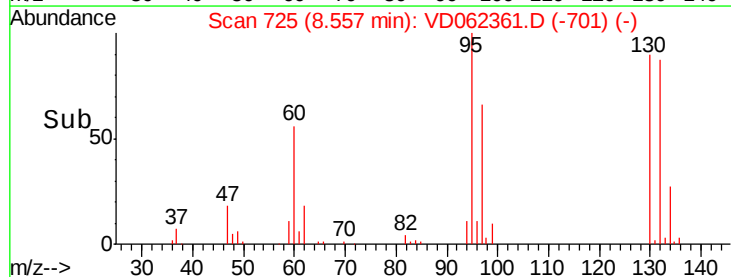
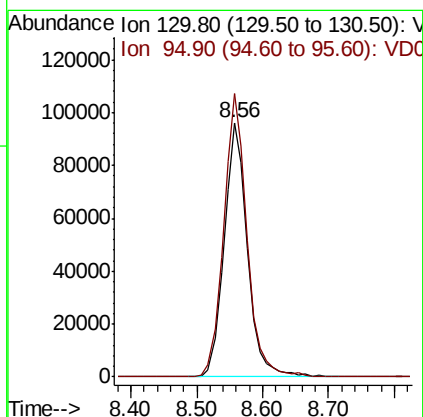
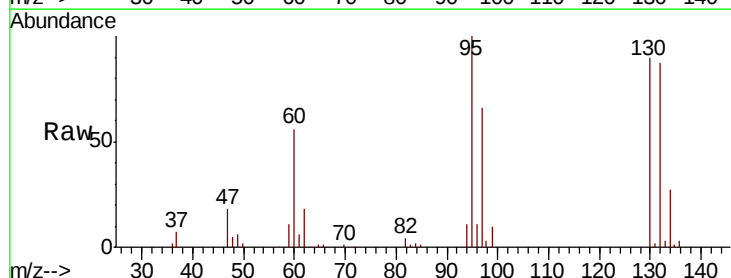
Tot Ion: 43 Resp: 201303
 Ion Ratio Lower Upper
 43 100
 61 26.4 25.1 37.7
 87 0.0 0.0 0.0

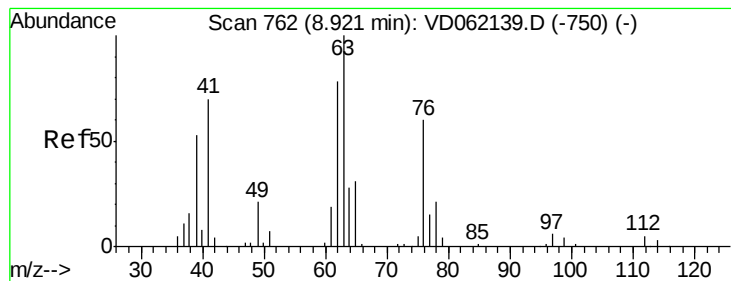


#44

Trichloroethene
 Concen: 46.267 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 130 Resp: 237805
 Ion Ratio Lower Upper
 130 100
 95 111.3 0.0 174.0





#45

1,2-Dichloropropane

Concen: 49.492 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

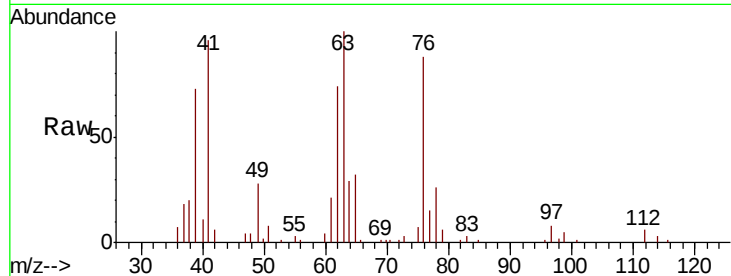
ClientSampleId :

Tot Ion: 63 Resp: 165125

Ion Ratio Lower Upper

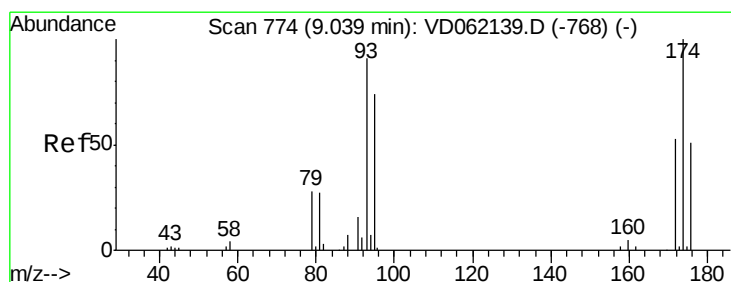
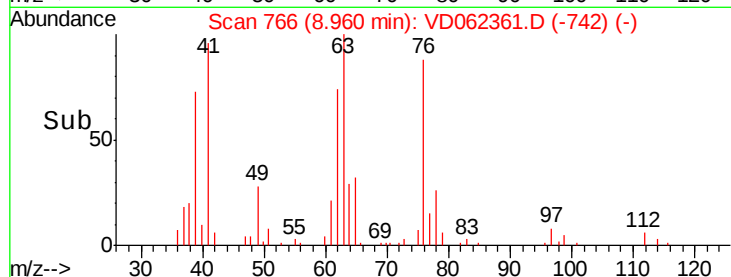
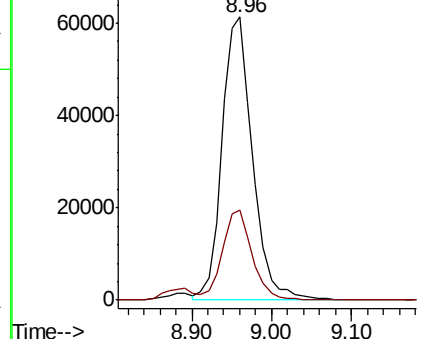
63 100

65 31.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.844 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

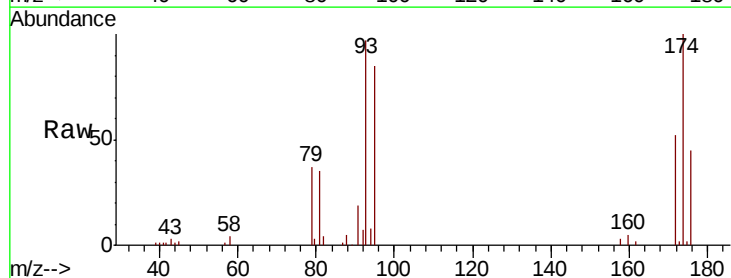
Tgt Ion: 93 Resp: 148798

Ion Ratio Lower Upper

93 100

95 87.6 64.8 97.2

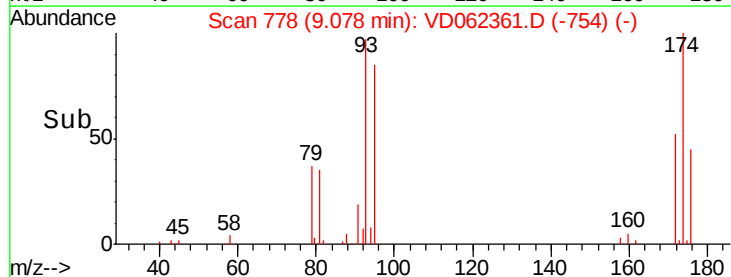
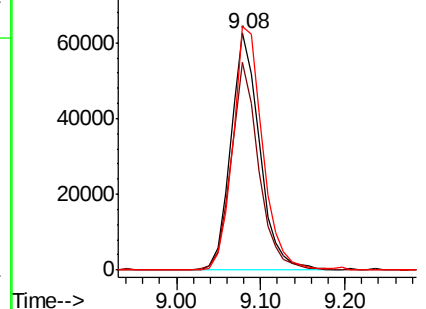
174 102.8 79.3 118.9

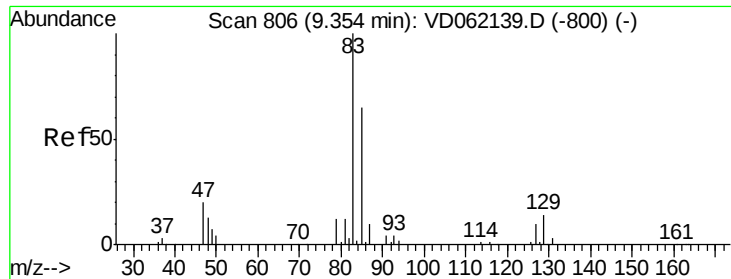


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 62.316 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampled :

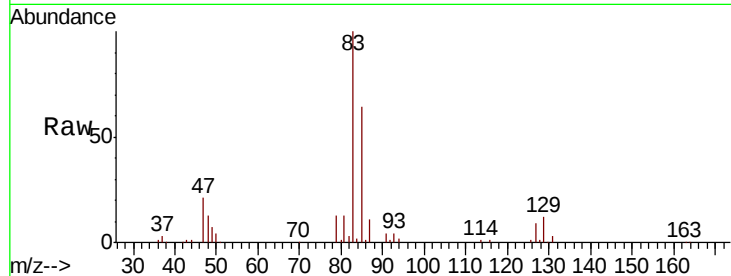
Tot Ion: 83 Resp: 413554

Ion Ratio Lower Upper

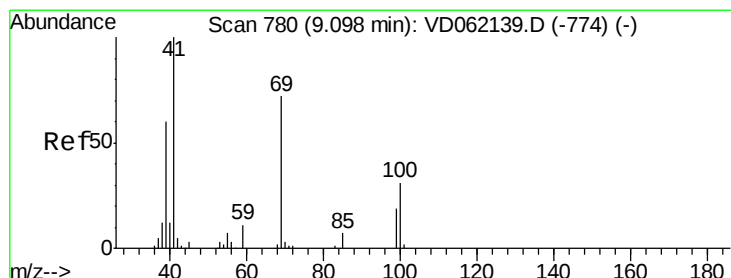
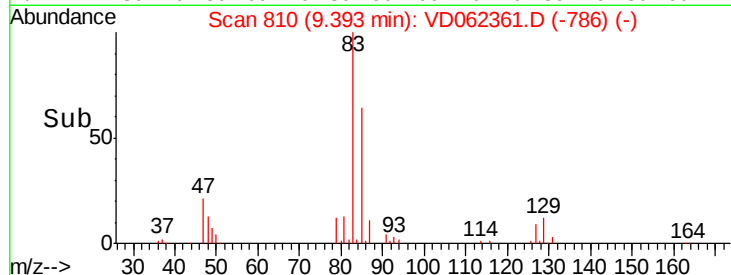
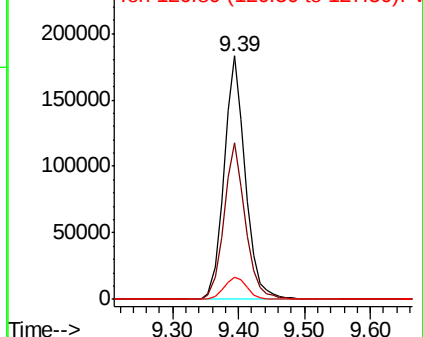
83 100

85 64.5 50.9 76.3

127 9.2 8.1 12.1



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: 57.337 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

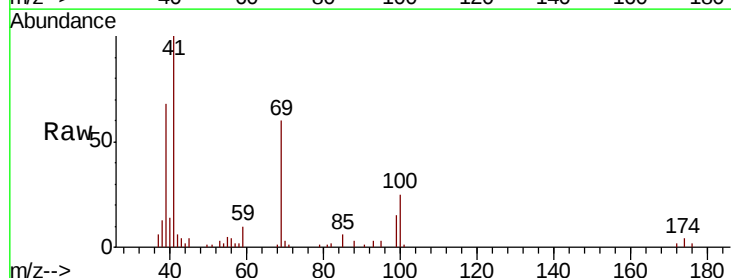
Tgt Ion: 41 Resp: 126883

Ion Ratio Lower Upper

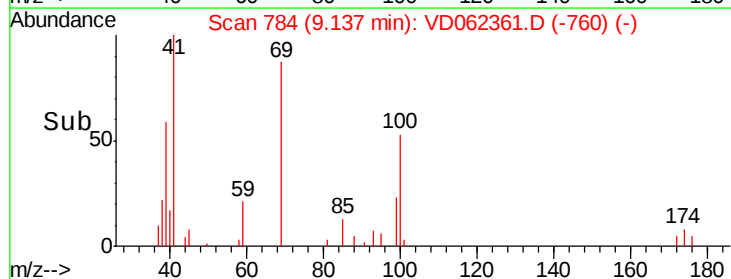
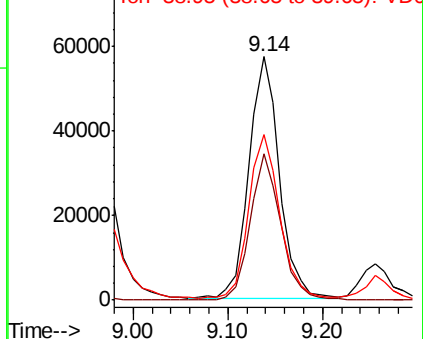
41 100

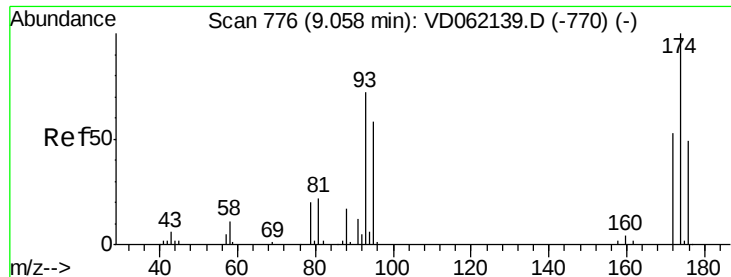
69 60.0 64.2 96.2#

39 68.1 46.8 70.2



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

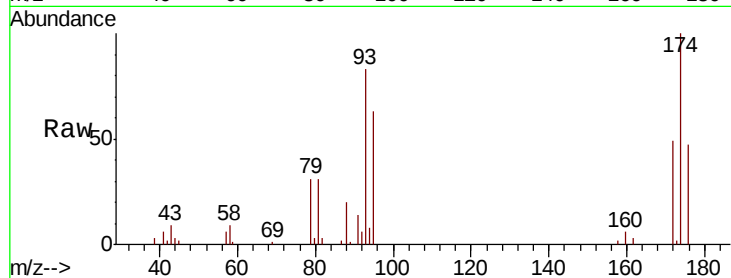




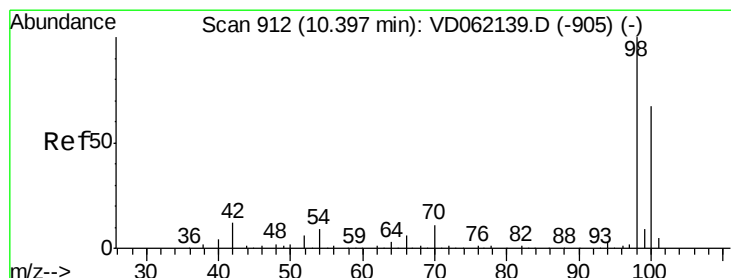
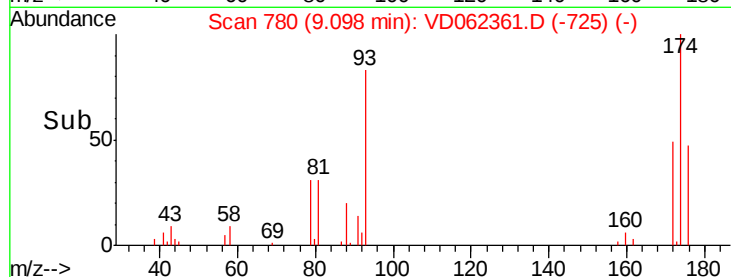
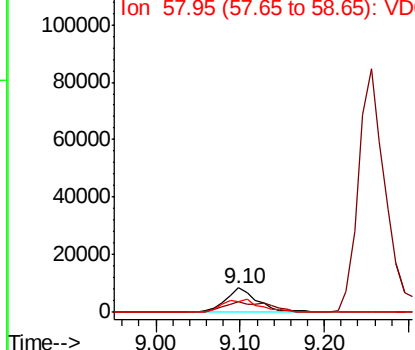
#49
1,4-Dioxane
Concen: 925.469 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 88 Resp: 22097
Ion Ratio Lower Upper
88 100
43 43.4 23.4 35.0#
58 43.7 44.0 66.0#

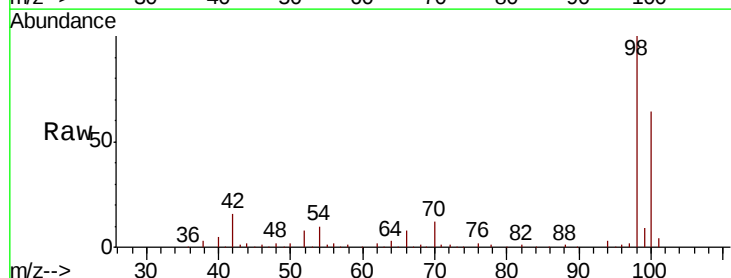


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

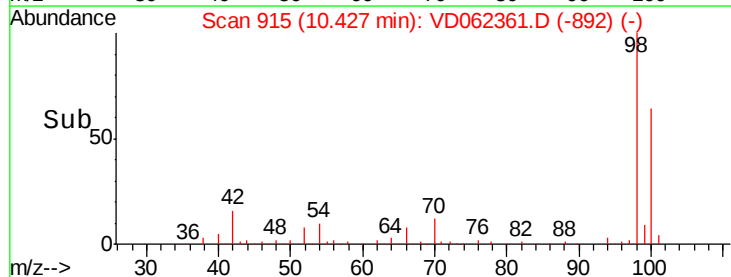
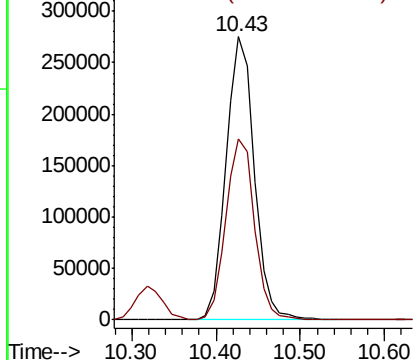


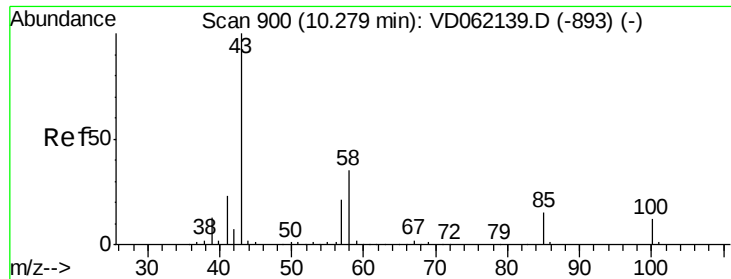
#50
Toluene-d8
Concen: 44.039 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 98 Resp: 641845
Ion Ratio Lower Upper
98 100
100 63.8 53.8 80.8



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: 289.985 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

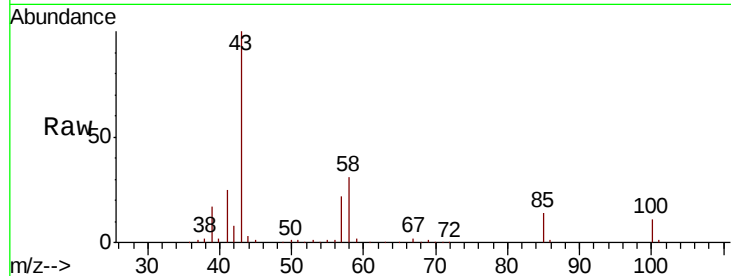
ClientSampleId :

Tot Ion: 43 Resp: 669692

Ion Ratio Lower Upper

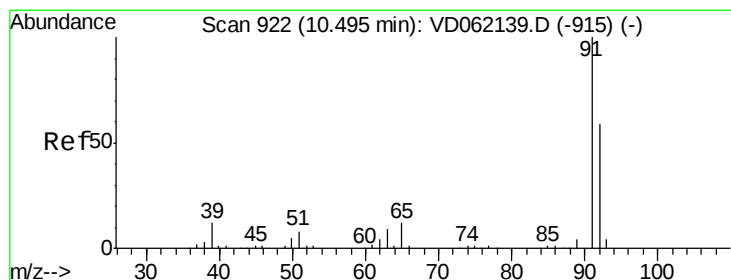
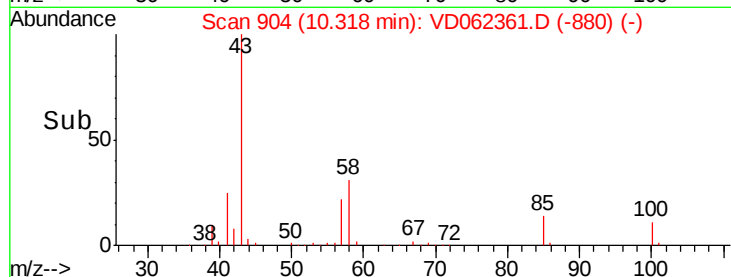
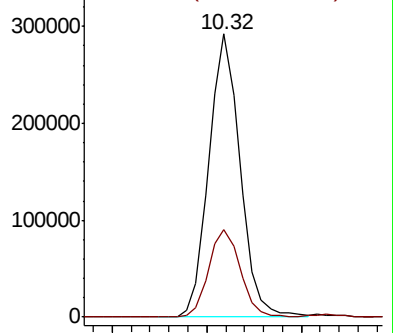
43 100

58 31.1 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.585 ug/l

RT: 10.52 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062361.D

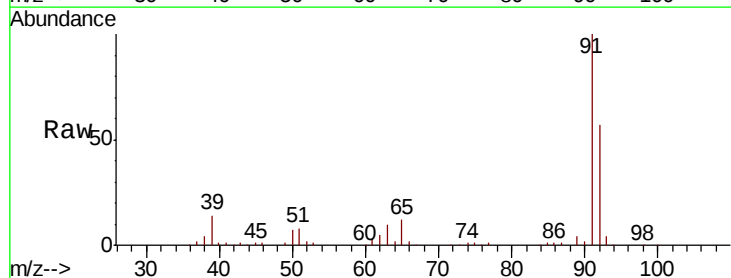
Acq: 14 May 2019 22:28

Tgt Ion: 92 Resp: 426391

Ion Ratio Lower Upper

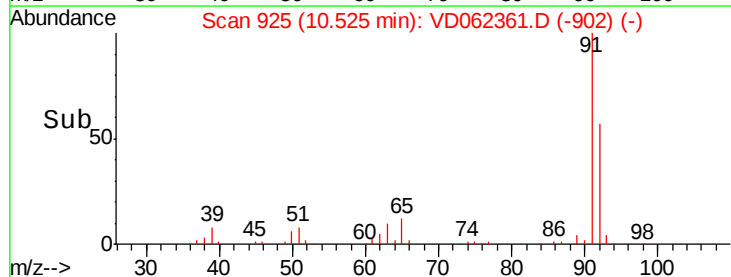
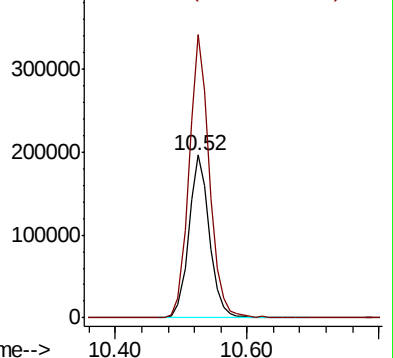
92 100

91 174.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

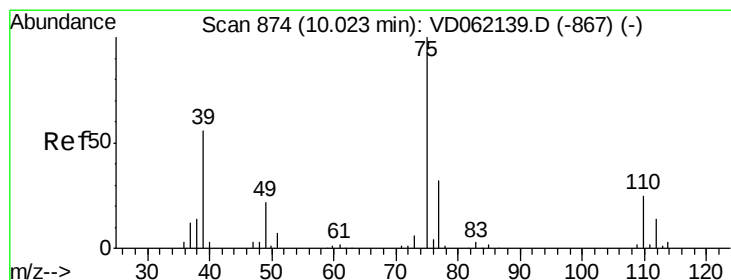
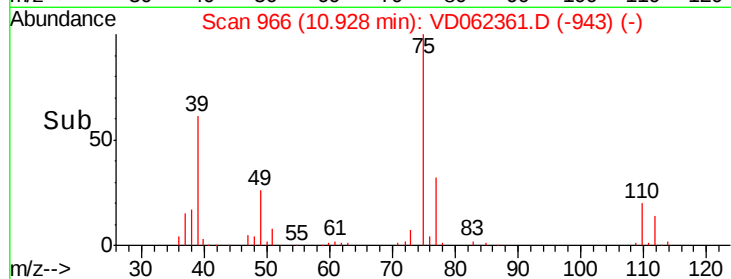
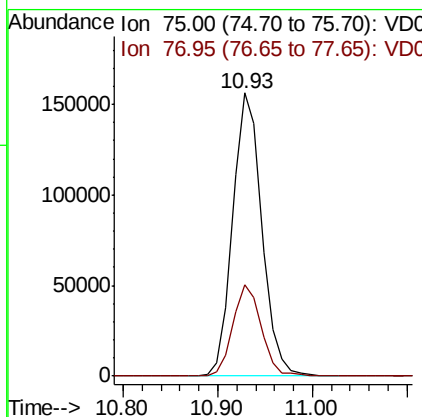
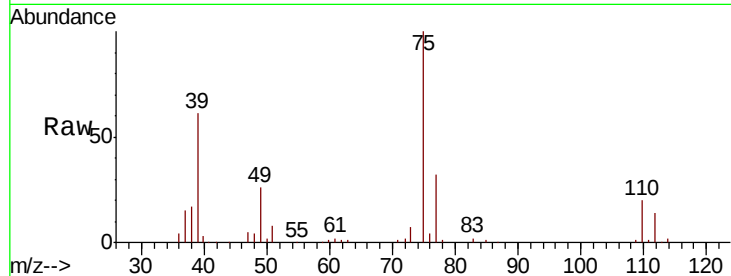




#53
 t-1,3-Dichloropropene
 Concen: 57.869 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

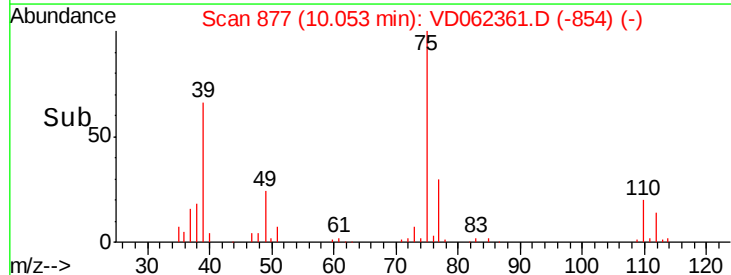
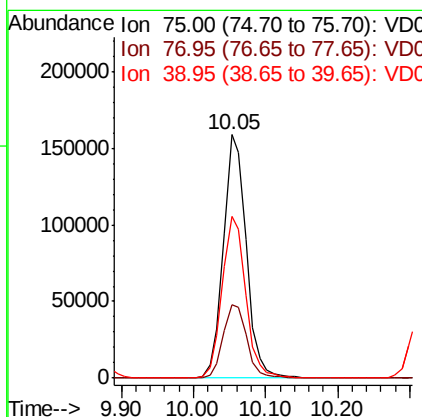
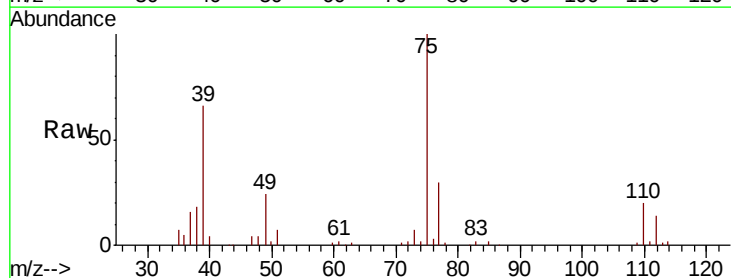
Instrument :
 MSVOA_D
 ClientSampleId :

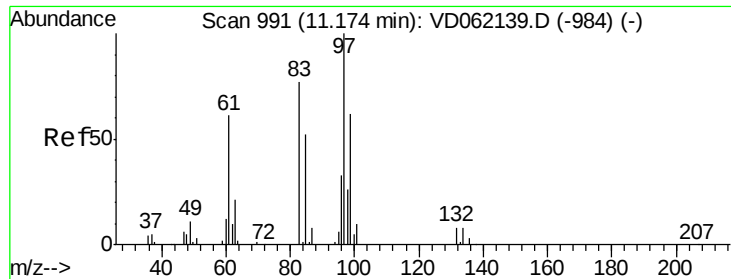
Tot Ion: 75 Resp: 331919
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.957 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 75 Resp: 350131
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.5 38.3
 39 66.2 39.4 59.2#

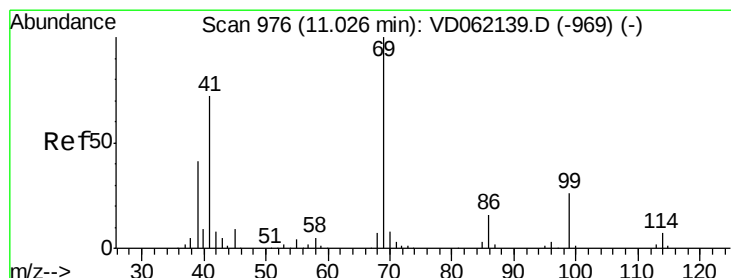
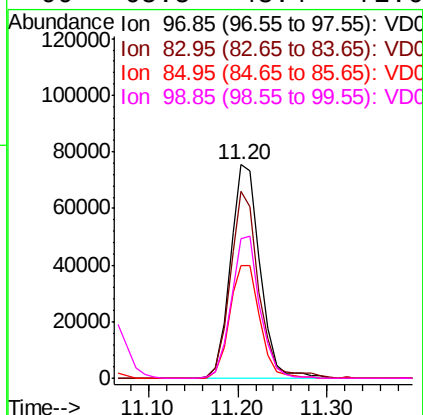
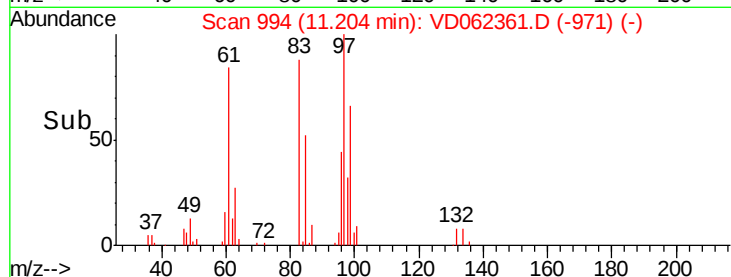
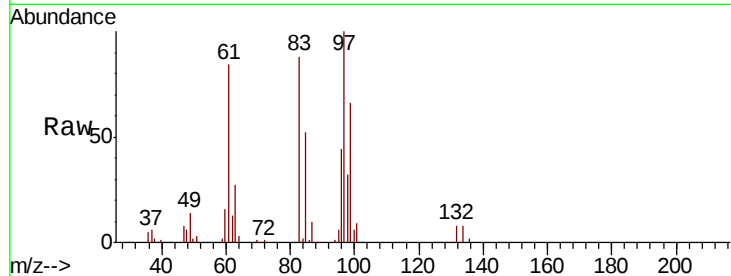




#55
 1,1,2-Trichloroethane
 Concen: 56.282 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

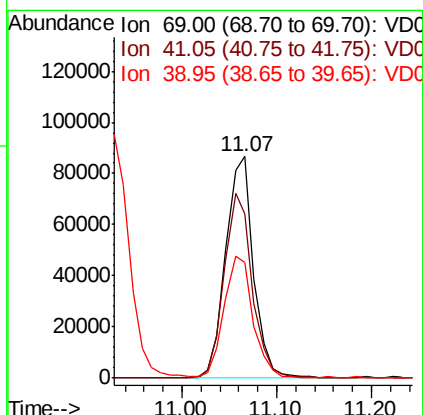
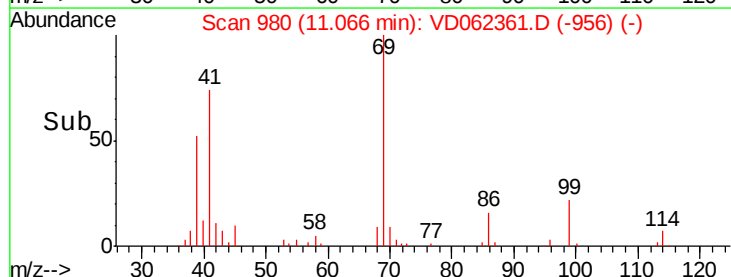
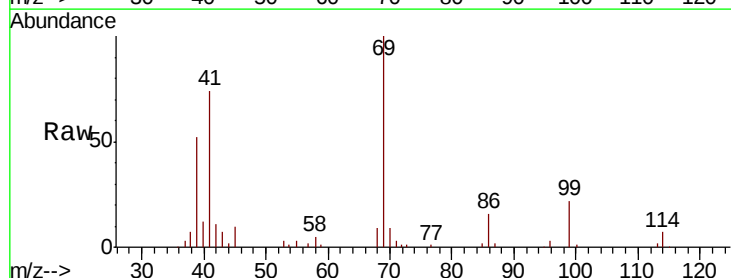
Instrument :
 MSVOA_D
 ClientSampleId :

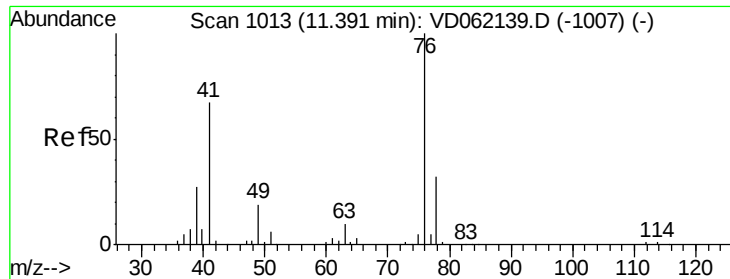
Tot Ion: 97 Resp: 174769
 Ion Ratio Lower Upper
 97 100
 83 87.5 65.7 98.5
 85 52.5 45.6 68.4
 99 65.5 48.4 72.6



#56
 Ethyl methacrylate
 Concen: 54.660 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 69 Resp: 176376
 Ion Ratio Lower Upper
 69 100
 41 74.3 56.3 84.5
 39 52.0 29.4 44.2#





#57

1,3-Dichloropropane

Concen: 54.995 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

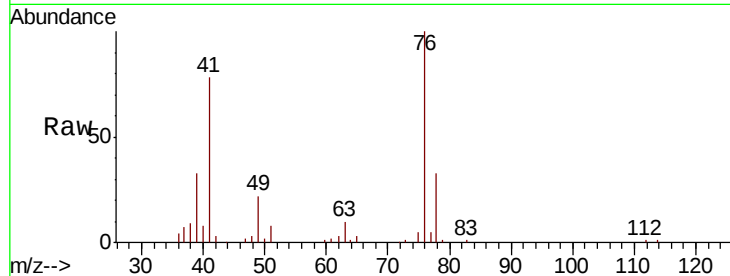
ClientSampled :

Tot Ion: 76 Resp: 257995

Ion Ratio Lower Upper

76 100

78 33.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

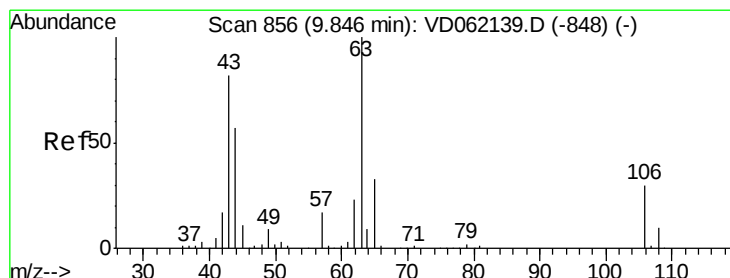
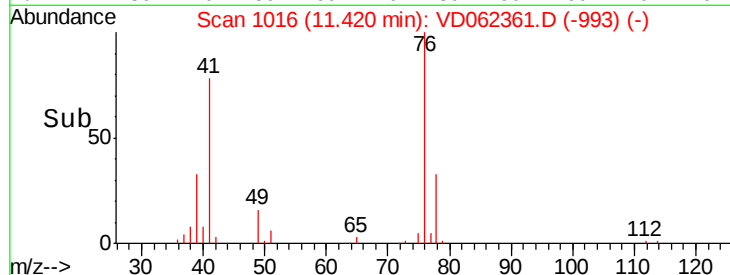
11.42

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 325.419 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD062361.D

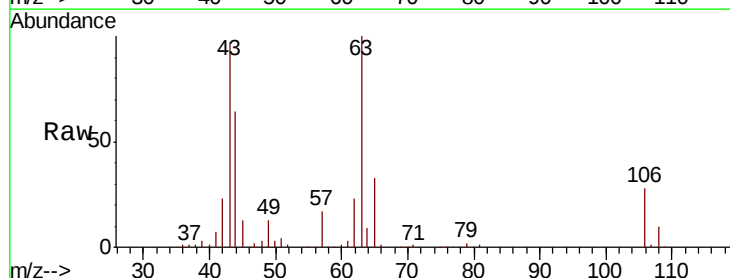
Acq: 14 May 2019 22:28

Tgt Ion: 63 Resp: 573578

Ion Ratio Lower Upper

63 100

106 28.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

300000

250000

200000

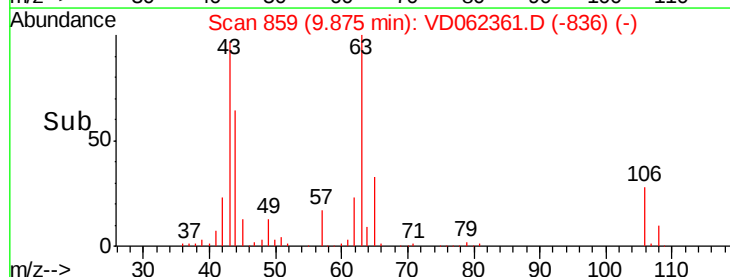
150000

100000

50000

0

Time--> 9.80 9.90 10.00

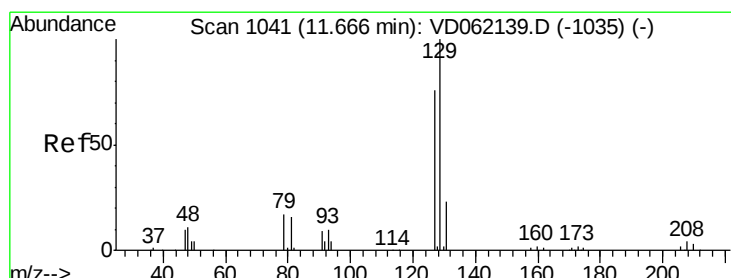
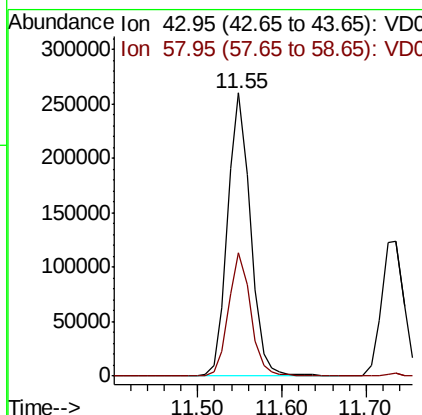
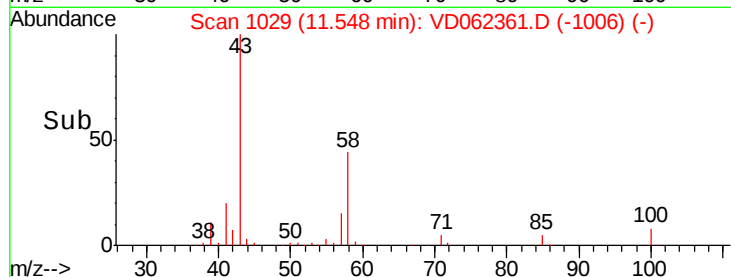
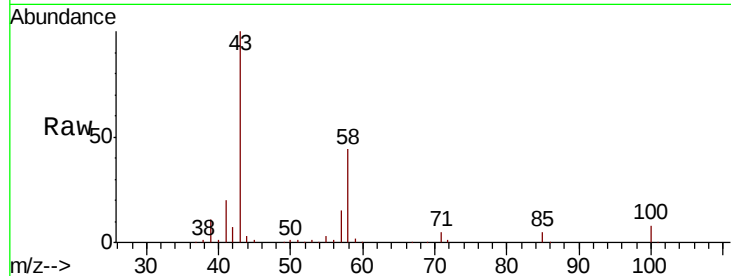




#59
2-Hexanone
Concen: 287.894 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

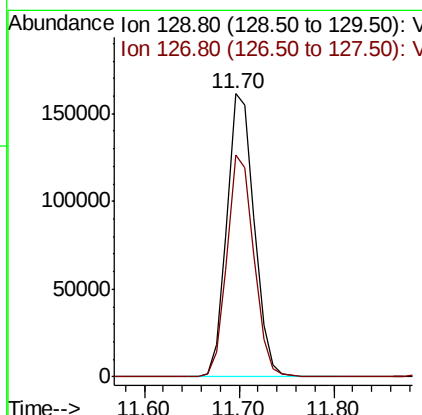
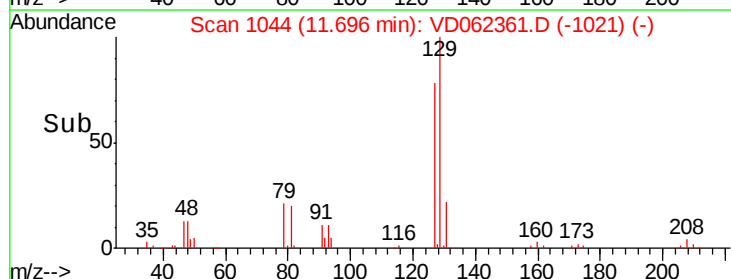
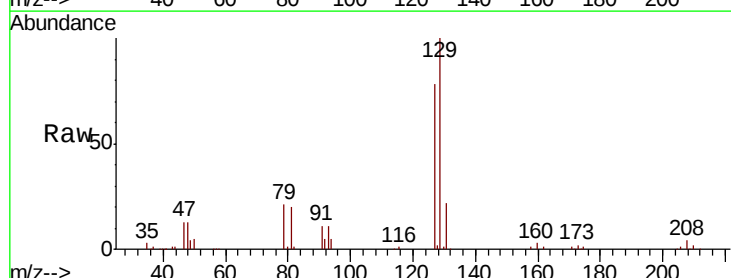
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 490029
Ion Ratio Lower Upper
43 100
58 43.6 25.4 76.4



#60
Dibromochloromethane
Concen: 60.407 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 129 Resp: 324173
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9

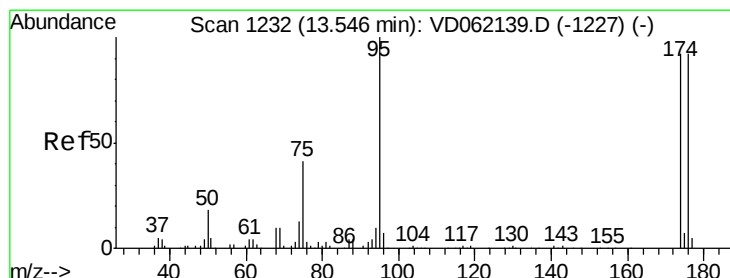
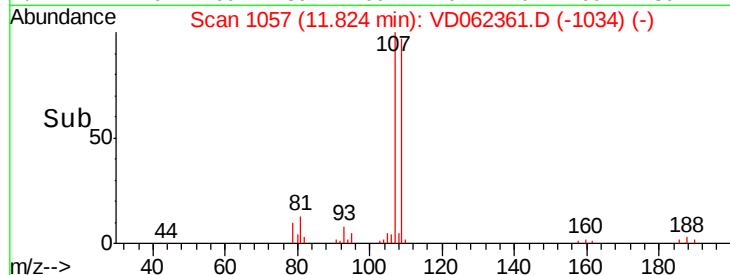
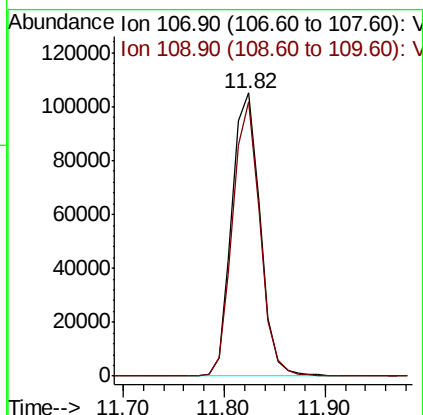
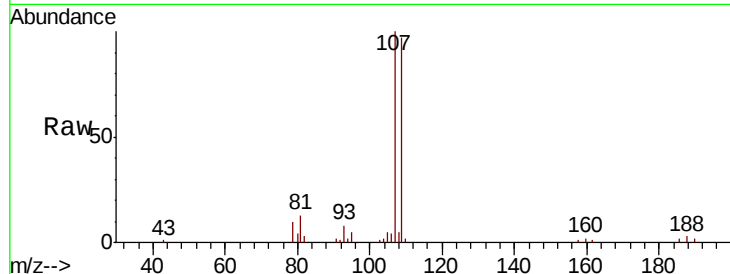




#61
 1,2-Dibromoethane
 Concen: 54.280 ug/l
 RT: 11.82 min Scan# 1057
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

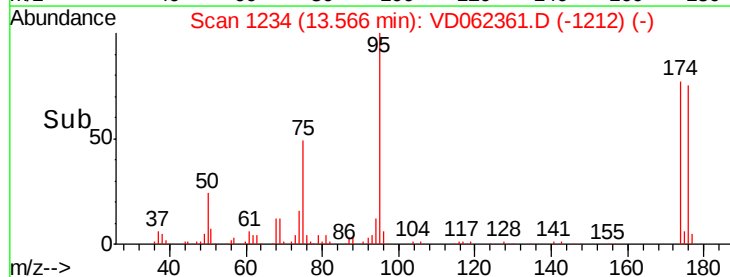
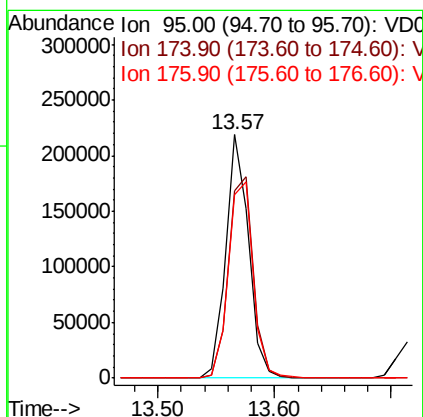
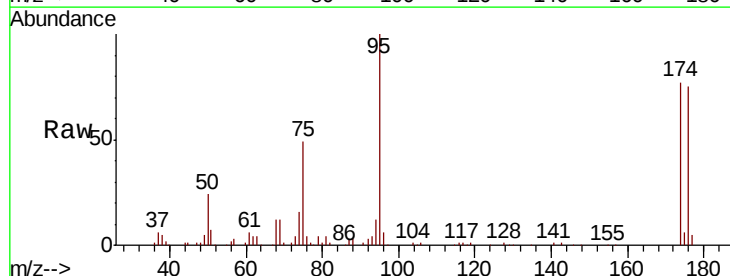
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 204920
 Ion Ratio Lower Upper
 107 100
 109 97.1 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.636 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 95 Resp: 296353
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 181.8
 176 75.1 0.0 174.4

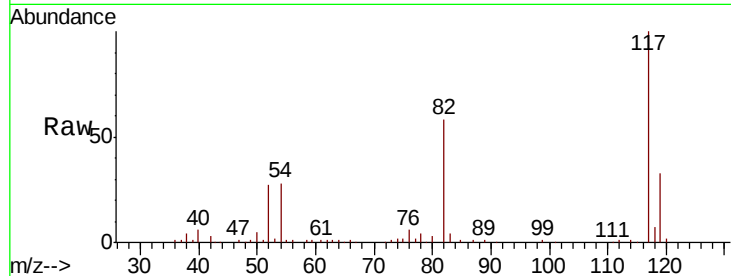




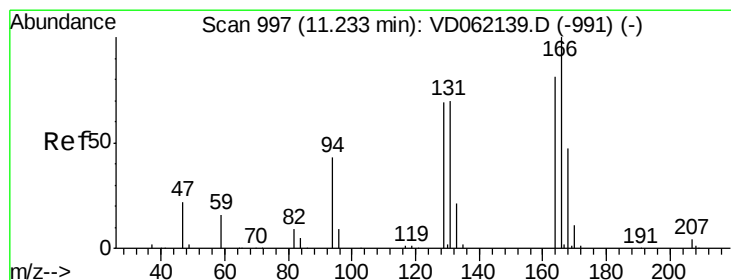
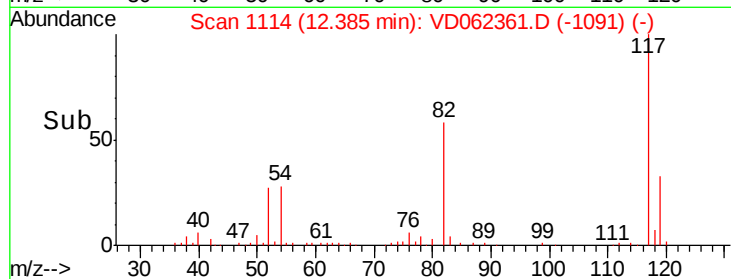
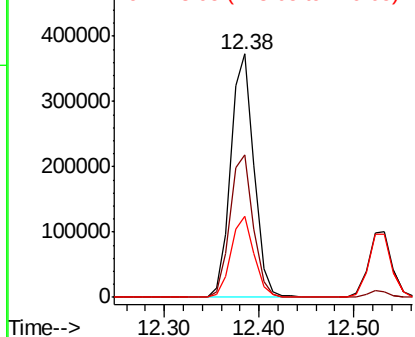
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 632293
Ion Ratio Lower Upper
117 100
82 58.3 36.2 54.2#
119 33.3 26.2 39.4



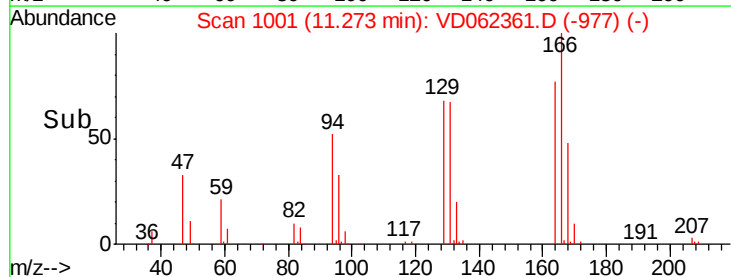
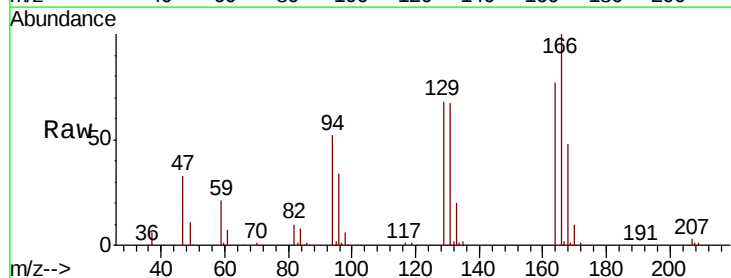
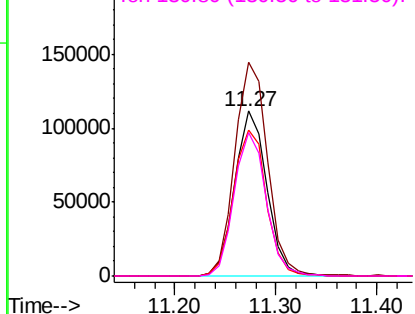
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 49.837 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion:164 Resp: 246407
Ion Ratio Lower Upper
164 100
166 129.8 101.5 152.3
129 88.8 74.6 112.0
131 87.2 72.6 108.8

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

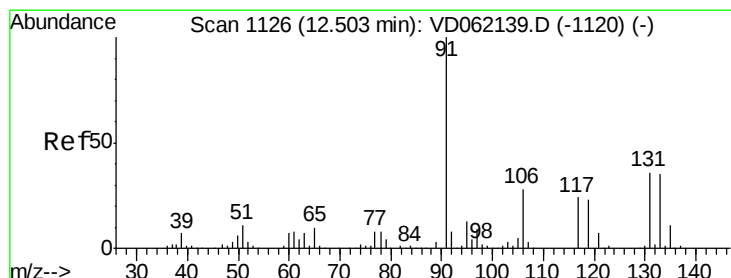
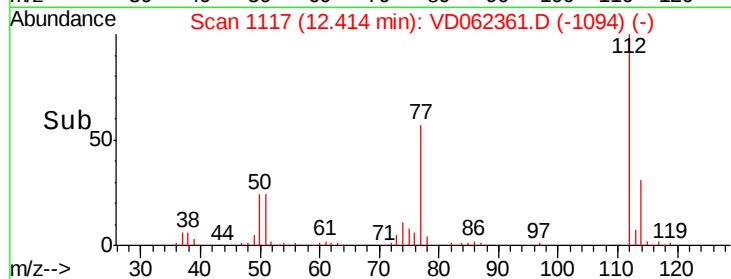
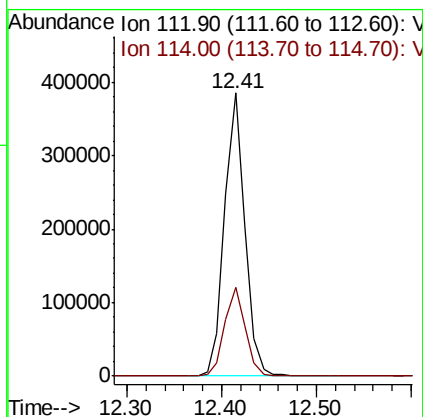
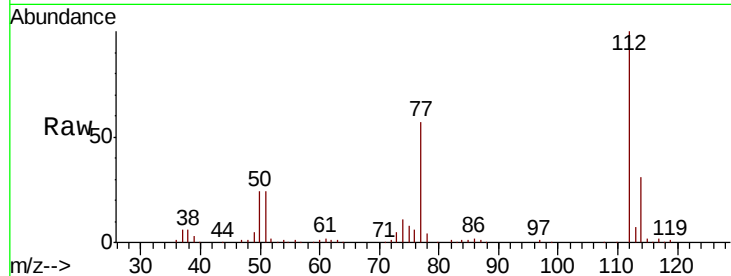




#65
Chlorobenzene
Concen: 48.640 ug/l
RT: 12.41 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

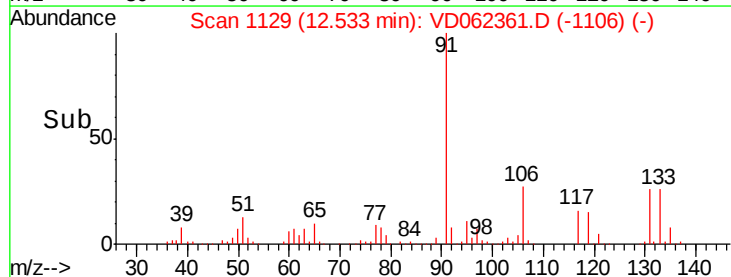
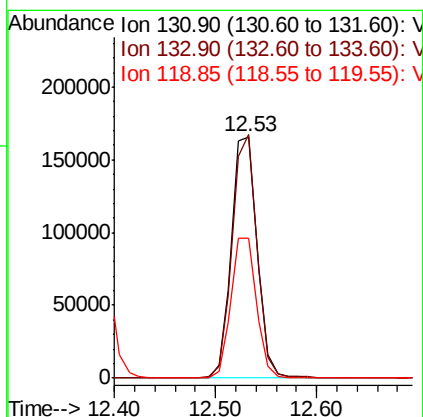
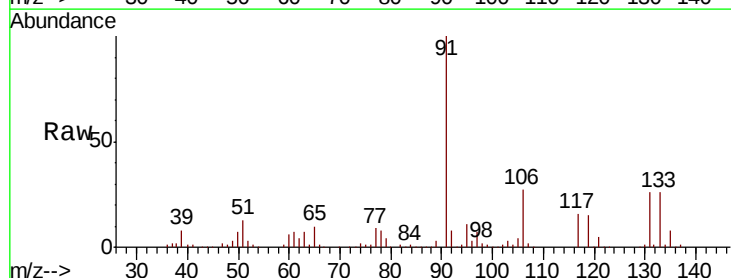
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 572815
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.223 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion:131 Resp: 293287
Ion Ratio Lower Upper
131 100
133 100.8 48.6 145.8
119 58.0 34.7 104.1

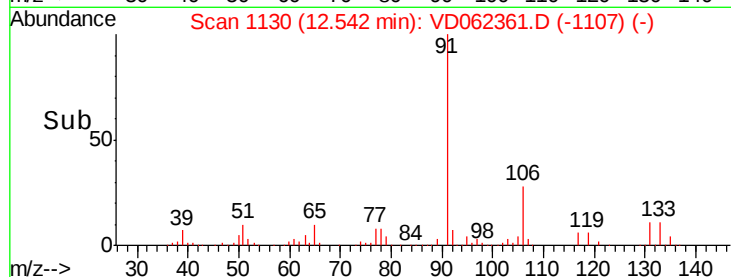
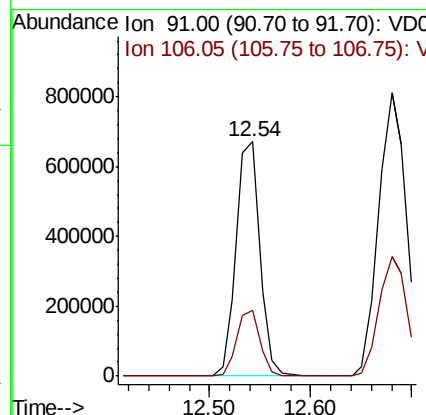
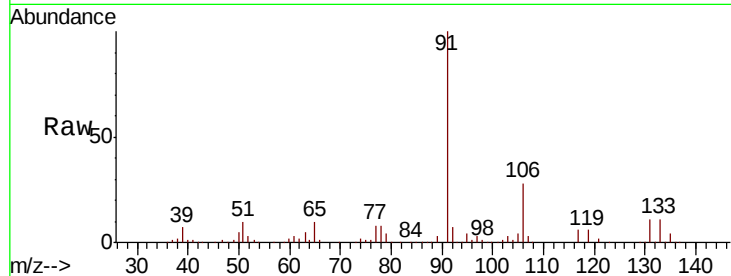




#67
Ethvl Benzene
Concen: 55.893 ug/l
RT: 12.54 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

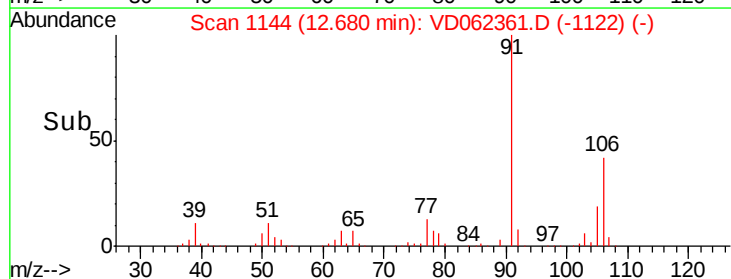
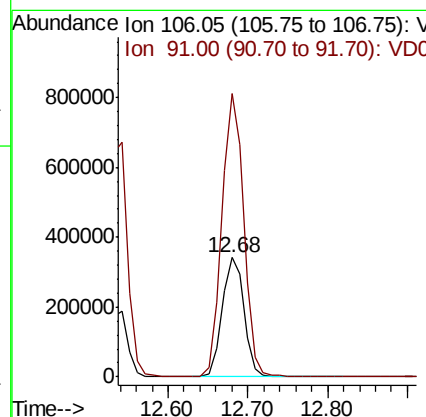
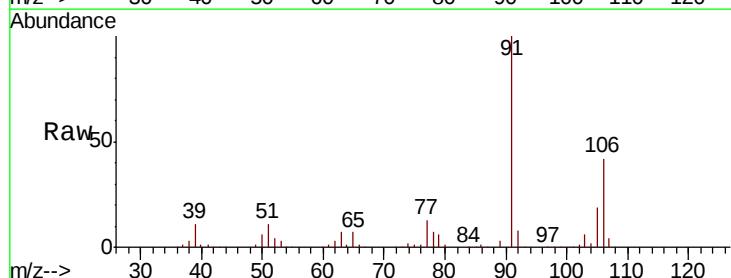
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1101973
Ion Ratio Lower Upper
91 100
106 28.0 24.7 37.1



#68
m/p-Xylenes
Concen: 92.625 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion:106 Resp: 664410
Ion Ratio Lower Upper
106 100
91 237.4 164.0 246.0

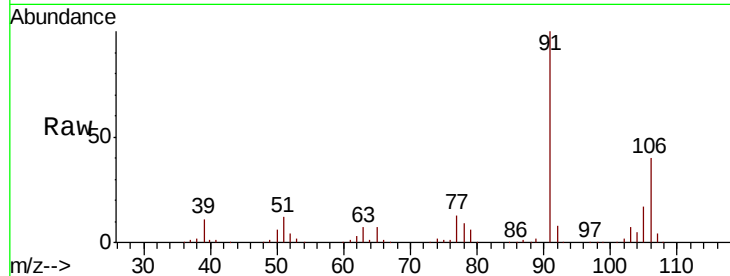




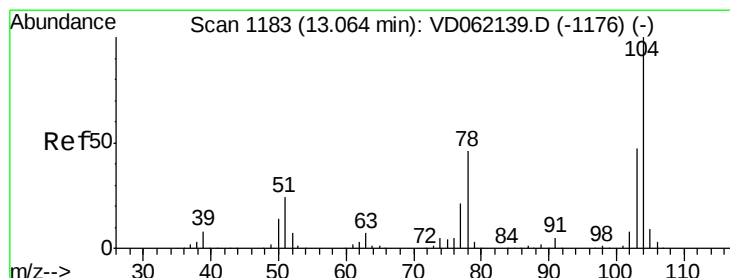
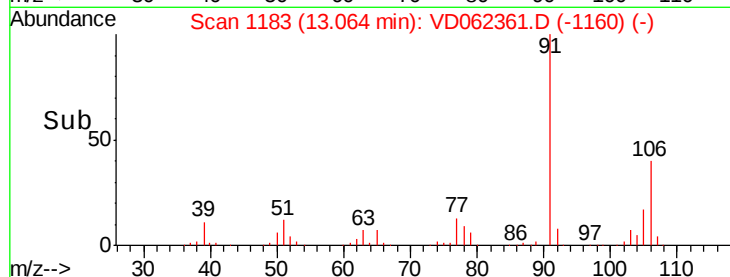
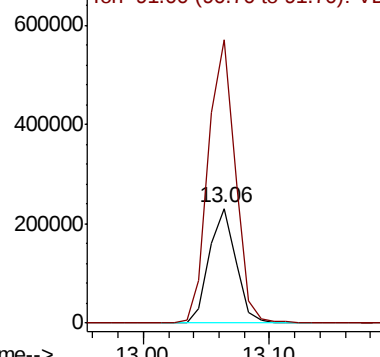
#69
o-Xylene
Concen: 50.307 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 335482
Ion Ratio Lower Upper
106 100
91 247.3 106.7 319.9

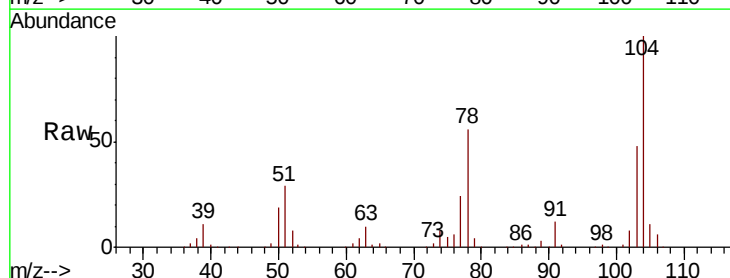


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

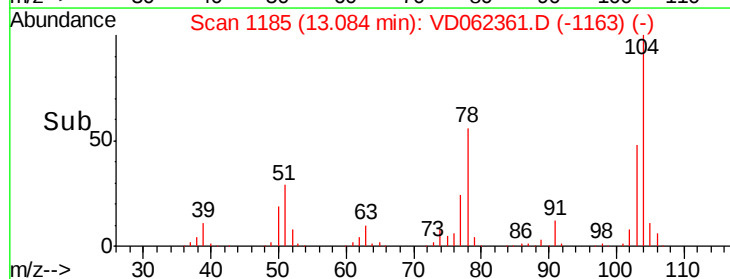
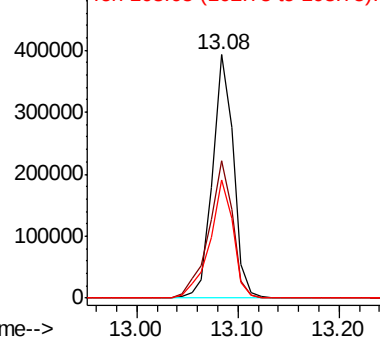


#70
Styrene
Concen: 50.001 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion:104 Resp: 564861
Ion Ratio Lower Upper
104 100
78 56.5 35.4 53.2#
103 48.3 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: 57.234 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

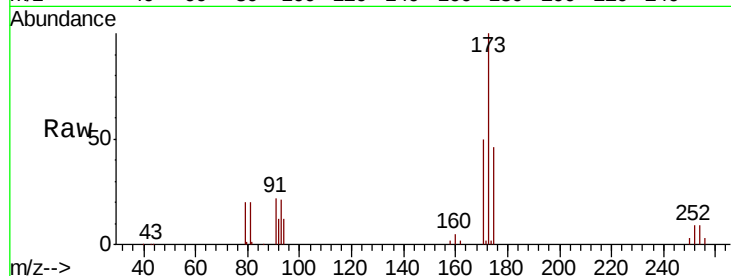
Tot Ion:173 Resp: 204089

Ion Ratio Lower Upper

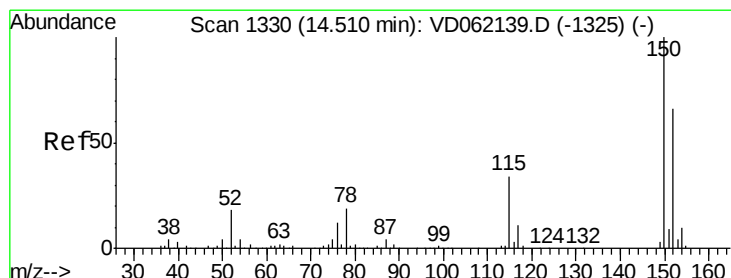
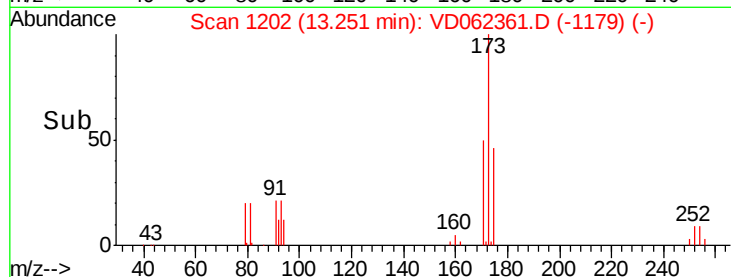
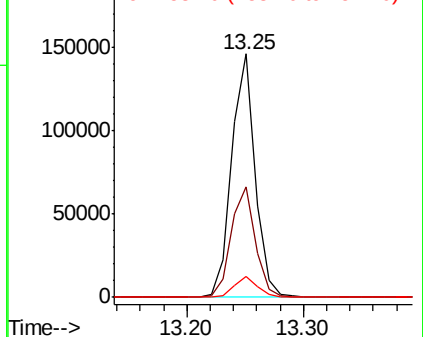
173 100

175 45.5 24.4 73.4

254 8.8 5.4 8.2#



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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

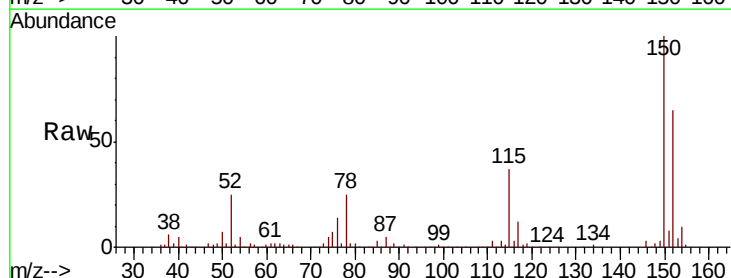
Tgt Ion:152 Resp: 372906

Ion Ratio Lower Upper

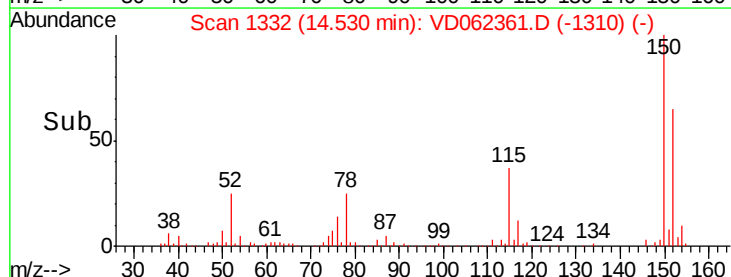
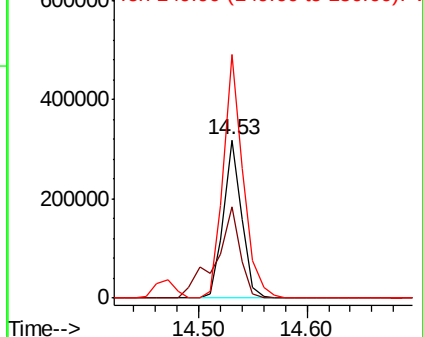
152 100

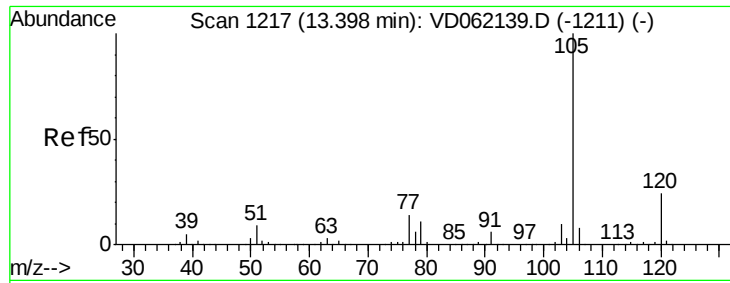
115 57.4 30.9 92.7

150 154.1 0.0 314.8



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: 45.135 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

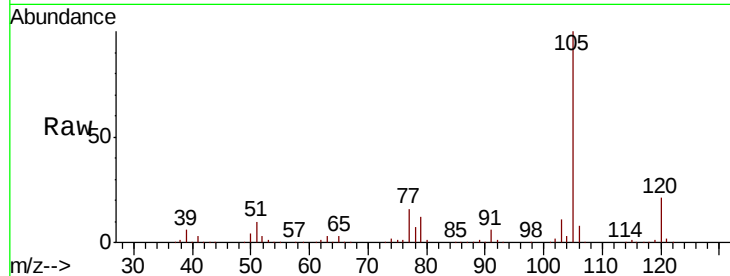
ClientSampleId :

Tot Ion:105 Resp: 1008916

Ion Ratio Lower Upper

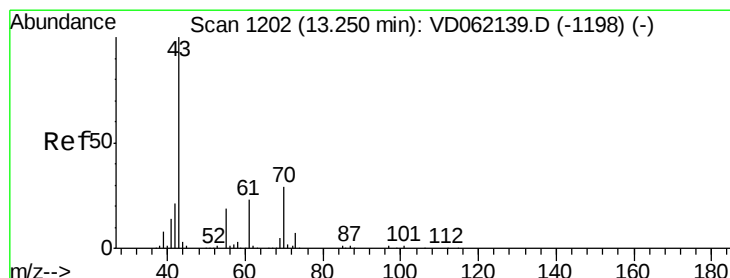
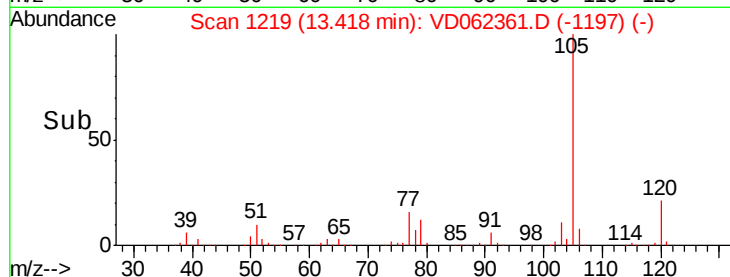
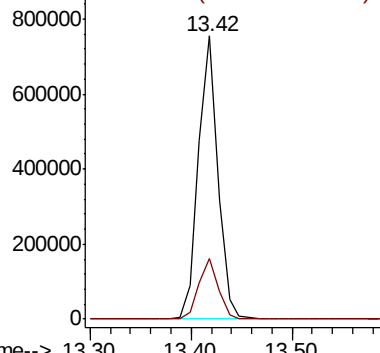
105 100

120 21.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.662 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Tgt Ion: 43 Resp: 285186

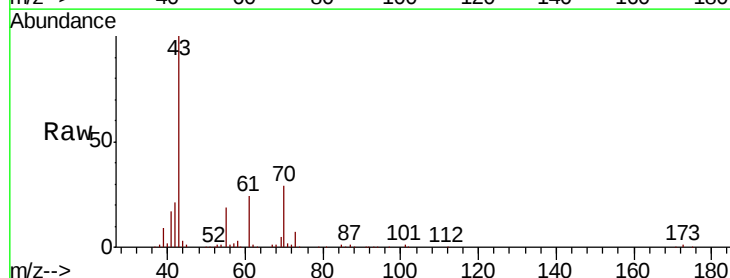
Ion Ratio Lower Upper

43 100

70 28.9 24.2 36.4

55 18.5 16.0 24.0

61 23.7 21.6 32.4

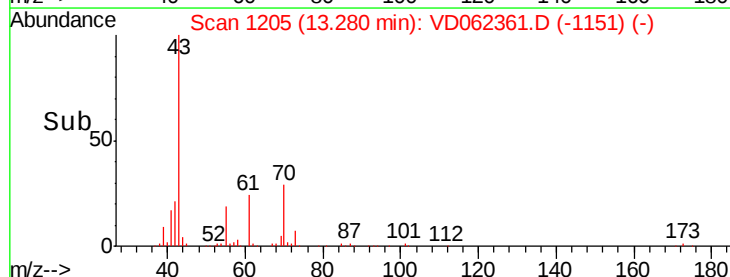
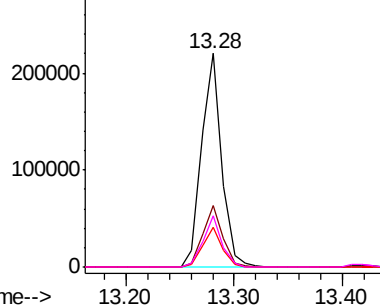


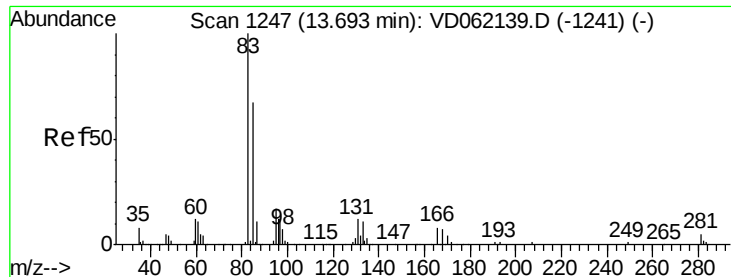
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 46.754 ug/l

RT: 13.71 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

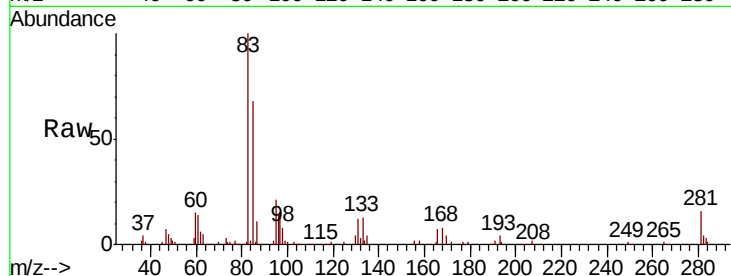
Tot Ion: 83 Resp: 197849

Ion Ratio Lower Upper

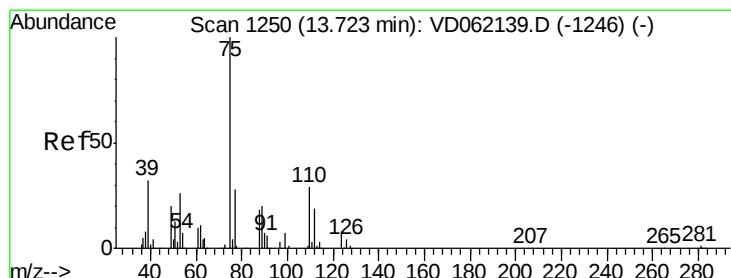
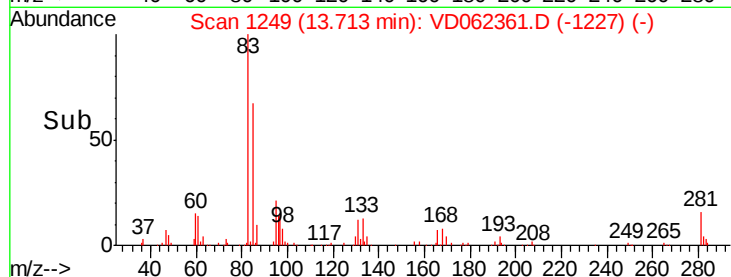
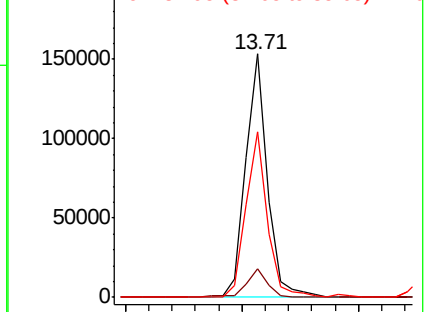
83 100

131 11.8 5.0 14.9

85 67.8 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: 47.469 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062361.D

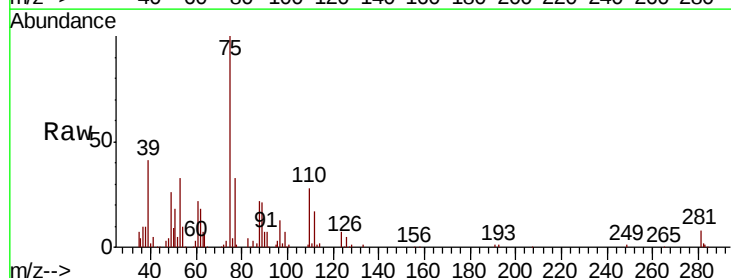
Acq: 14 May 2019 22:28

Tgt Ion: 75 Resp: 210370

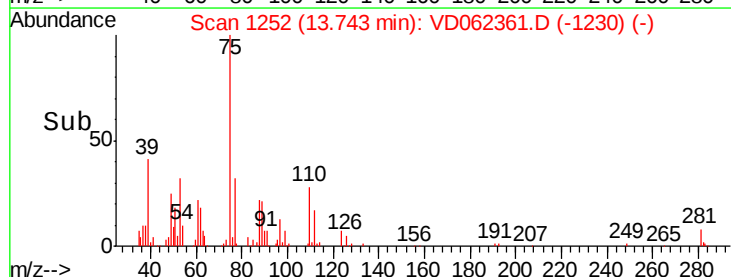
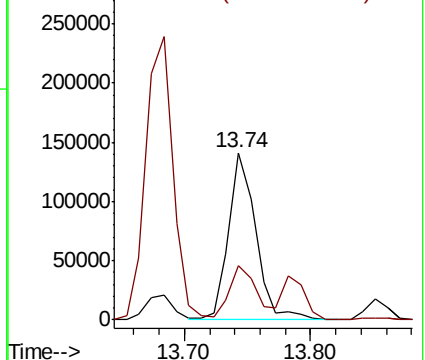
Ion Ratio Lower Upper

75 100

77 32.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 46.061 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

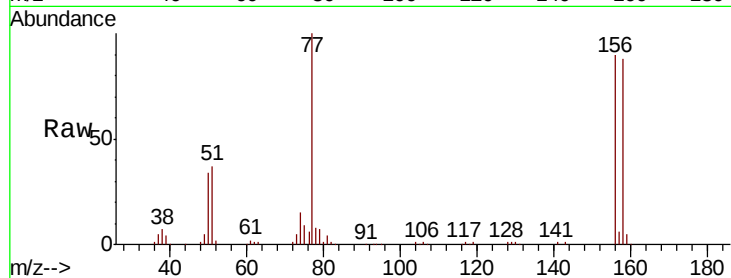
Tot Ion:156 Resp: 288225

Ion Ratio Lower Upper

156 100

77 110.7 53.1 159.4

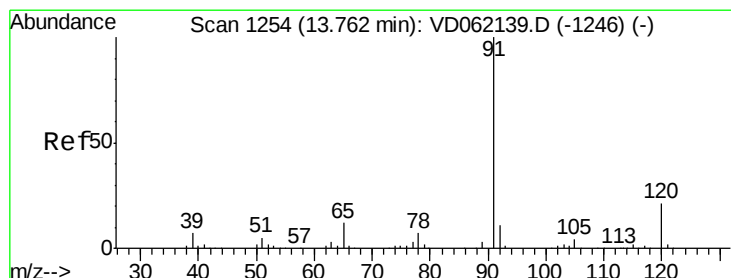
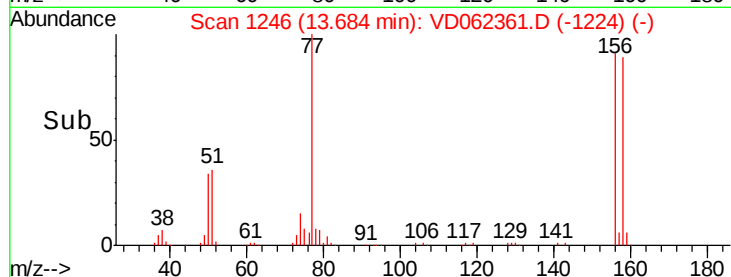
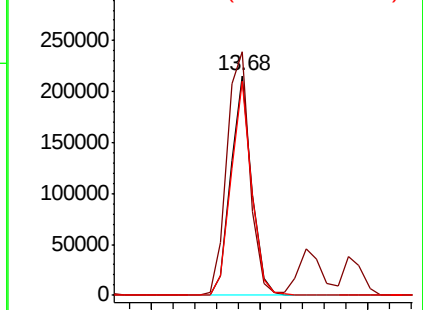
158 97.5 49.4 148.0



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: 43.214 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062361.D

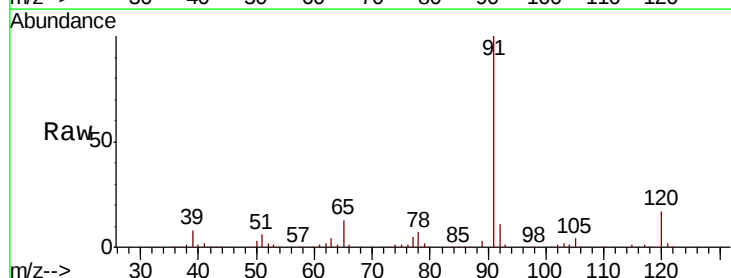
Acq: 14 May 2019 22:28

Tgt Ion: 91 Resp: 1152287

Ion Ratio Lower Upper

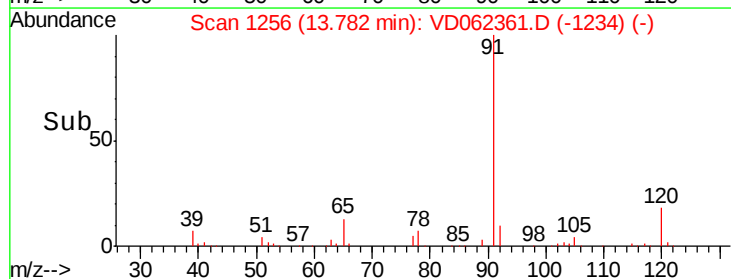
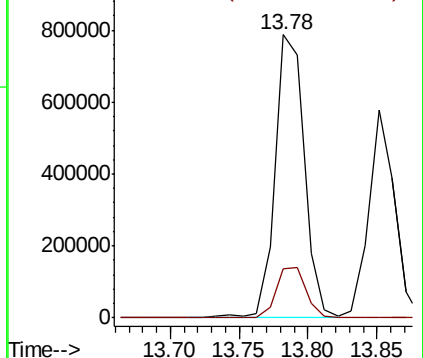
91 100

120 17.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.489 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

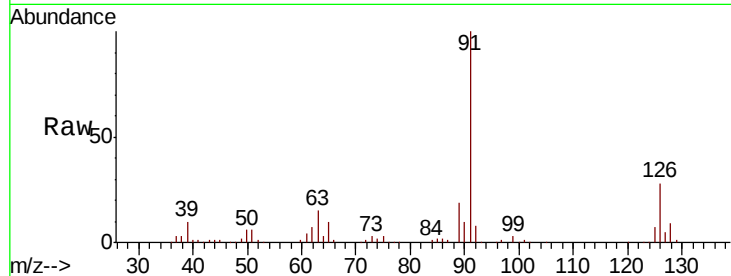
ClientSampleId :

Tot Ion: 91 Resp: 740501

Ion Ratio Lower Upper

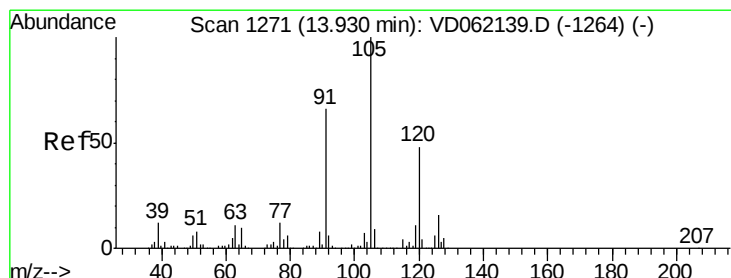
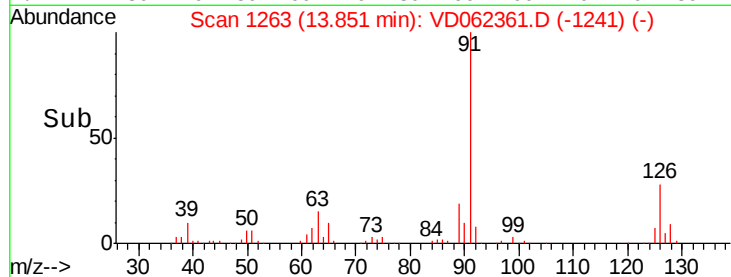
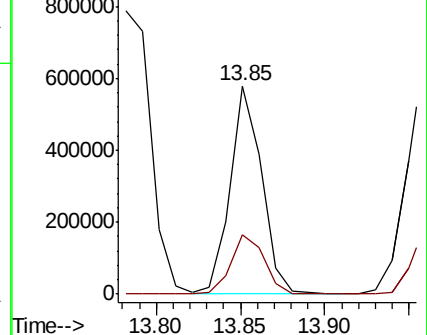
91 100

126 28.4 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 47.980 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062361.D

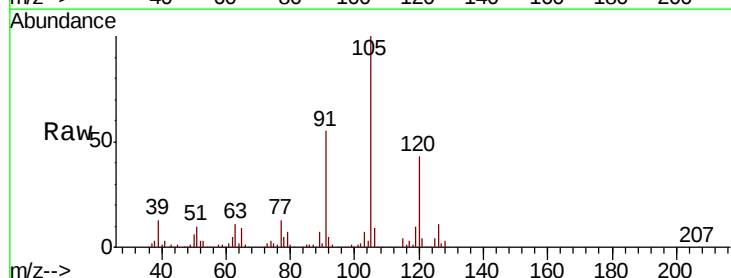
Acq: 14 May 2019 22:28

Tgt Ion: 105 Resp: 903141

Ion Ratio Lower Upper

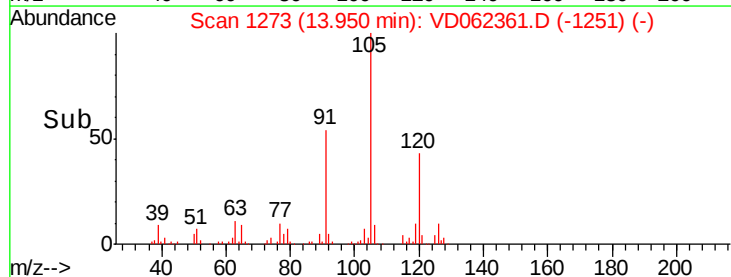
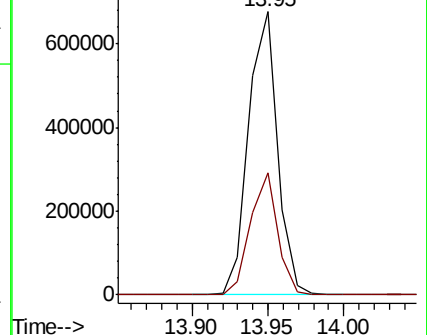
105 100

120 43.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.593 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

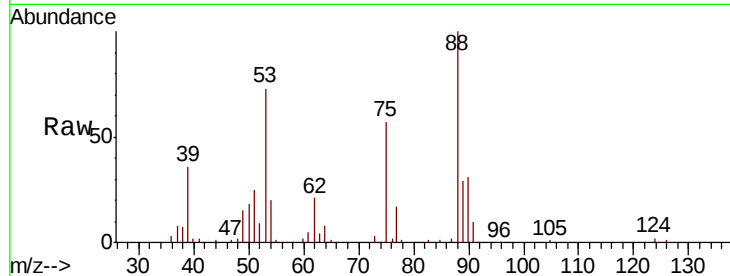
Tot Ion: 75 Resp: 52037

Ion Ratio Lower Upper

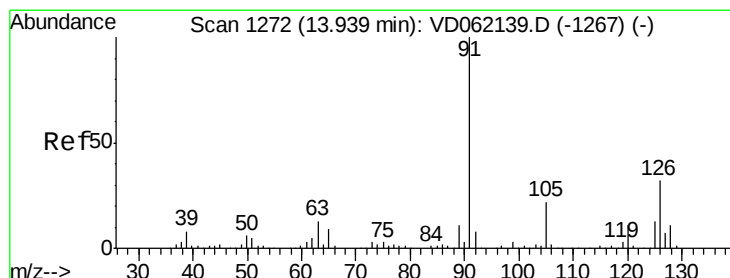
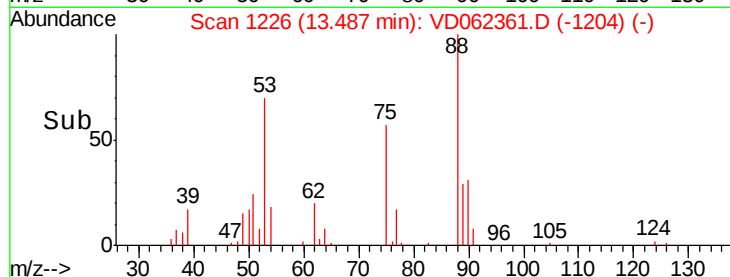
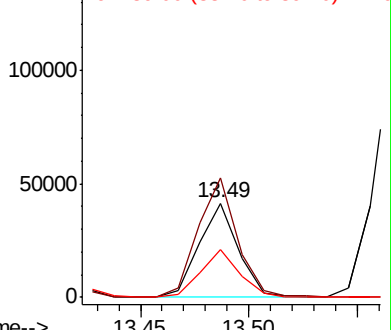
75 100

53 127.0 65.8 98.8#

89 51.2 35.0 52.6



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: 49.394 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD062361.D

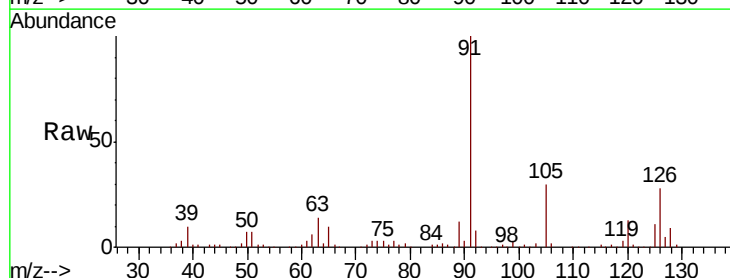
Acq: 14 May 2019 22:28

Tgt Ion: 91 Resp: 887636

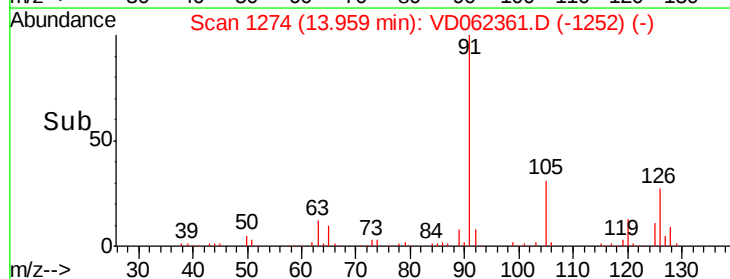
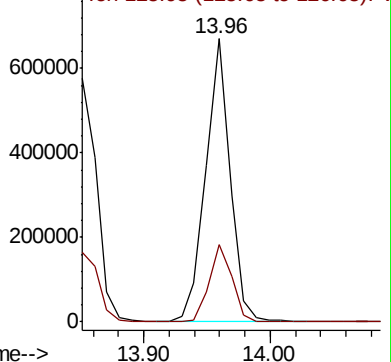
Ion Ratio Lower Upper

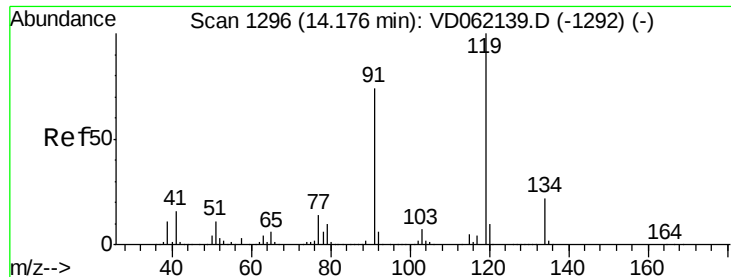
91 100

126 27.5 19.1 57.5



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

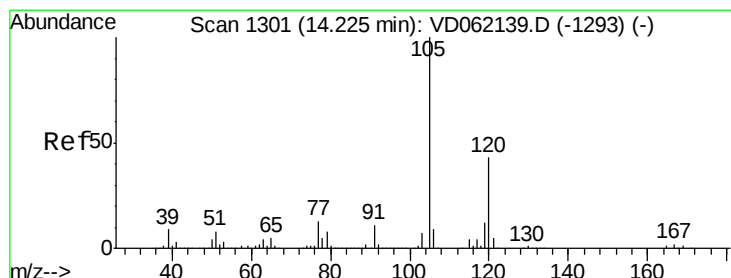
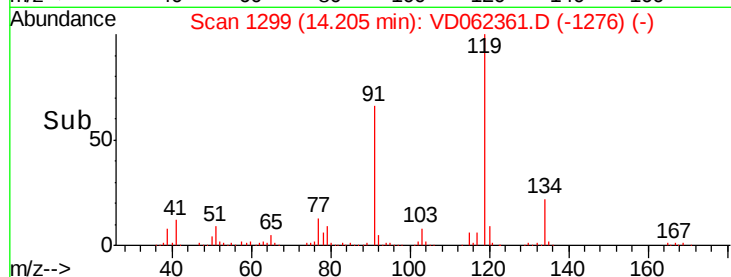
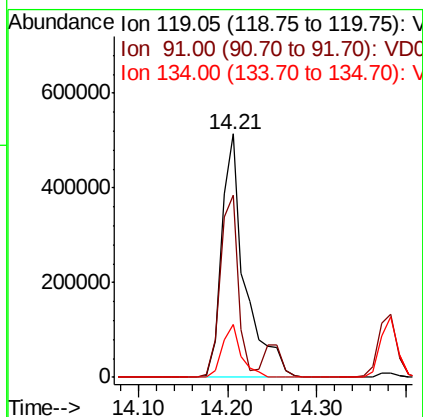
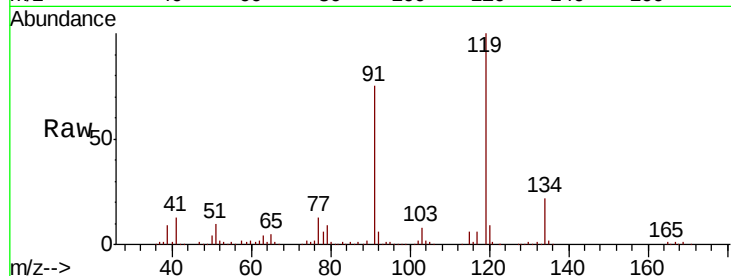




#83
 tert-Butylbenzene
 Concen: 44.456 ug/l
 RT: 14.21 min Scan# 1299
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

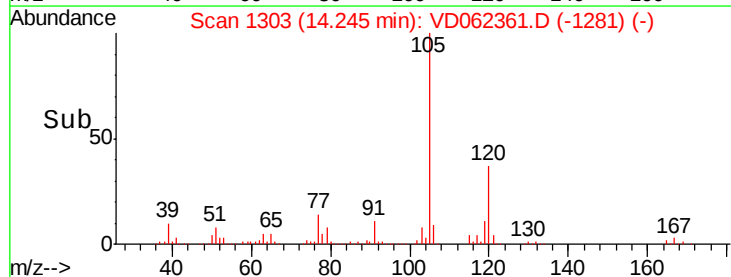
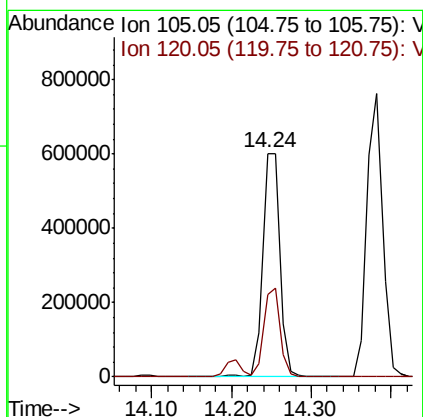
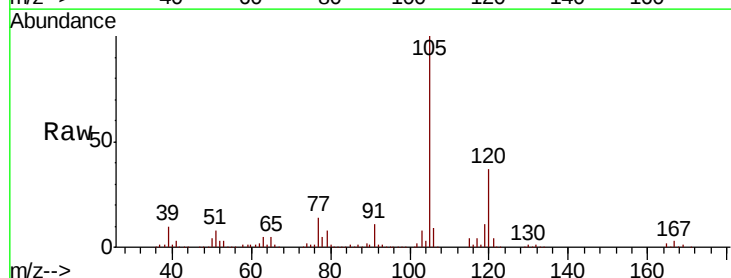
Instrument :
 MSVOA_D
 ClientSampleId :

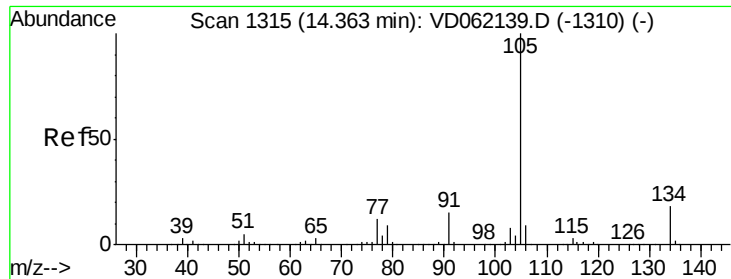
Tot Ion:119 Resp: 940560
 Ion Ratio Lower Upper
 119 100
 91 75.0 34.2 102.6
 134 21.6 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 46.986 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion:105 Resp: 887524
 Ion Ratio Lower Upper
 105 100
 120 36.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 44.507 ug/l

RT: 14.38 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

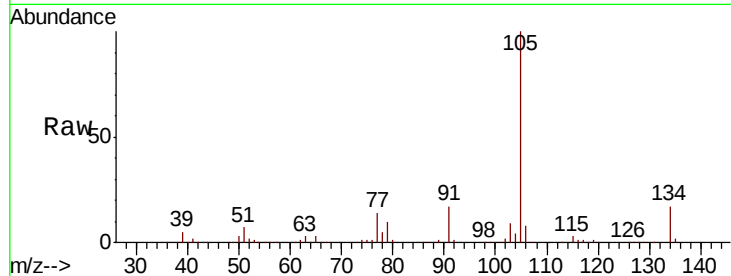
ClientSampleId :

Tot Ion:105 Resp: 1032415

Ion Ratio Lower Upper

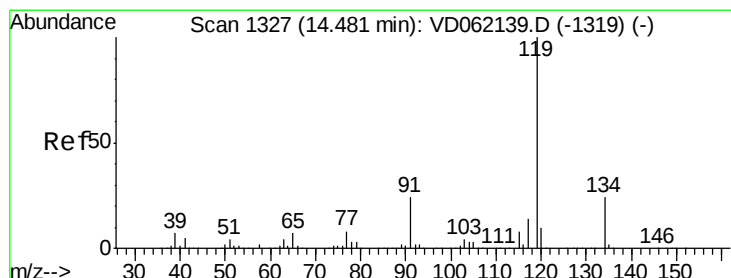
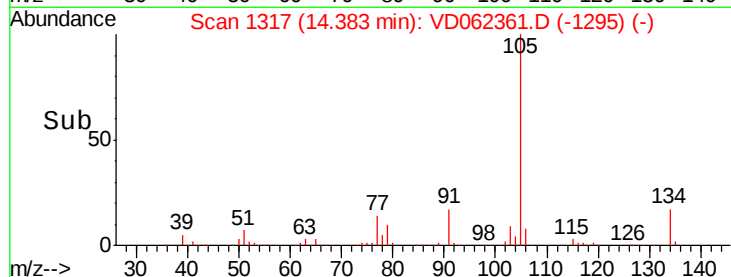
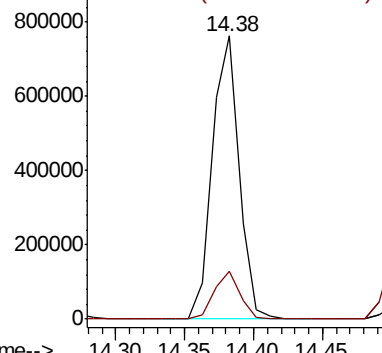
105 100

134 16.9 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 43.671 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

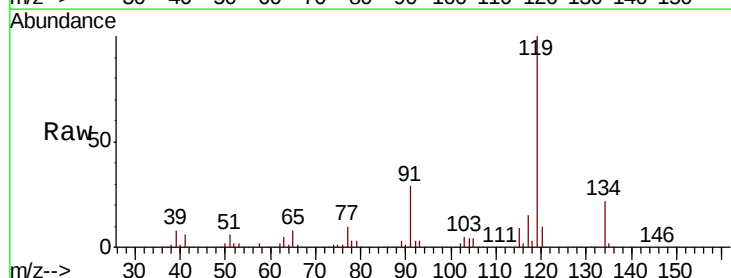
Tgt Ion:119 Resp: 905087

Ion Ratio Lower Upper

119 100

134 22.3 12.8 38.3

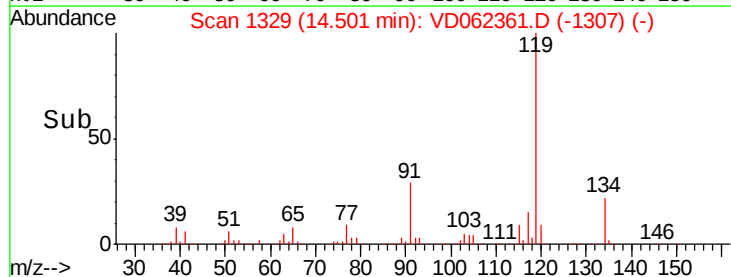
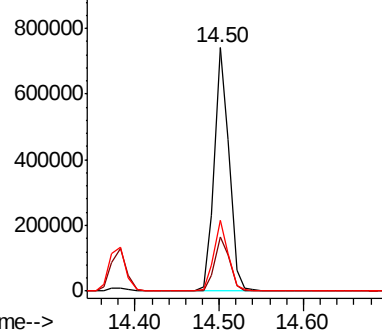
91 29.1 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

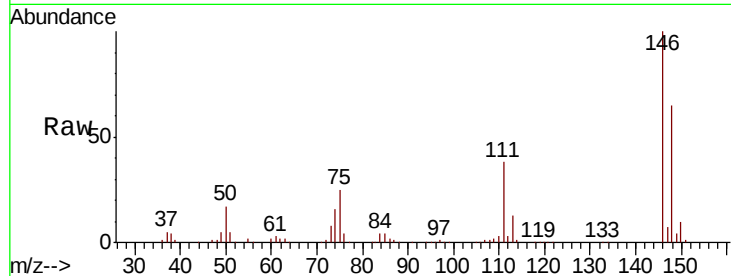




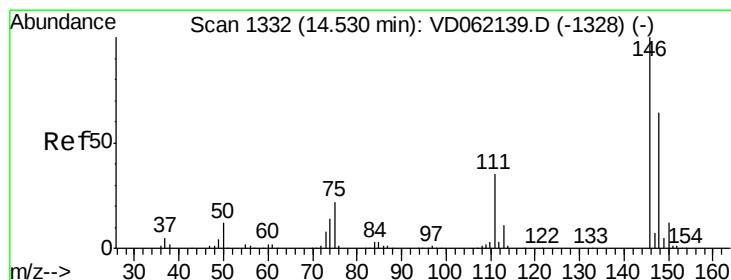
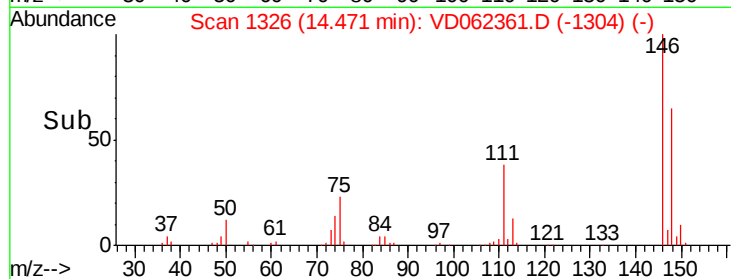
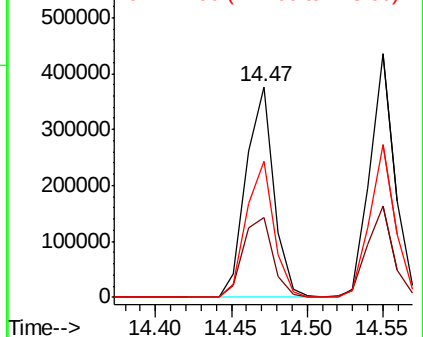
#87
 1,3-Dichlorobenzene
 Concen: 42.122 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 481496
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.0 60.0
 148 64.8 31.8 95.4

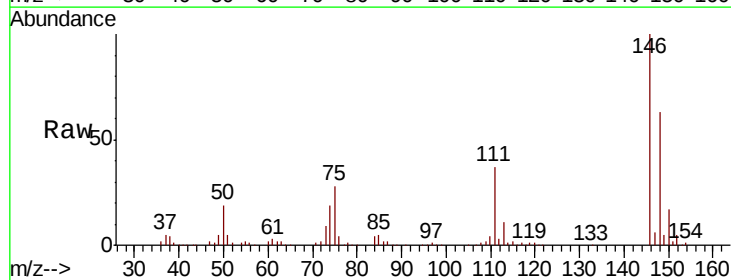


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

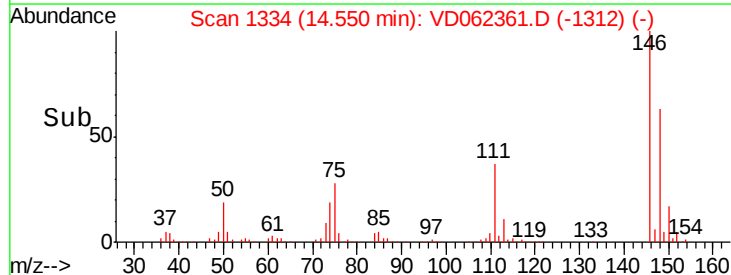
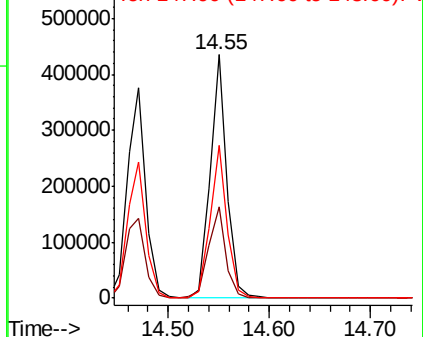


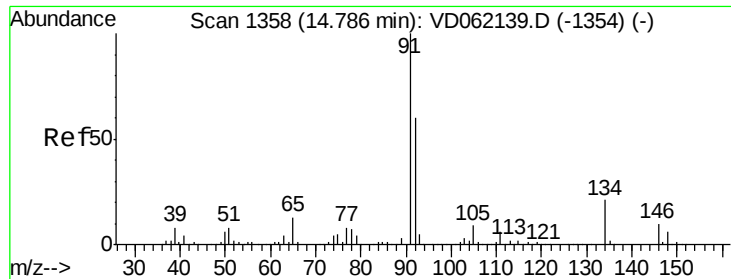
#88
 1,4-Dichlorobenzene
 Concen: 44.832 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion:146 Resp: 503533
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.2 60.5
 148 62.8 32.0 96.2



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

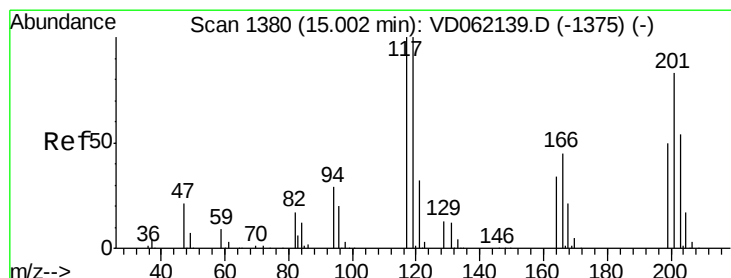
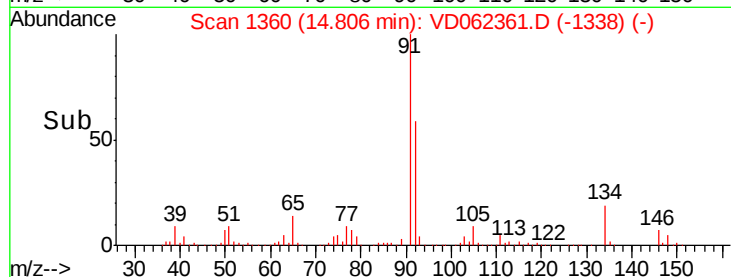
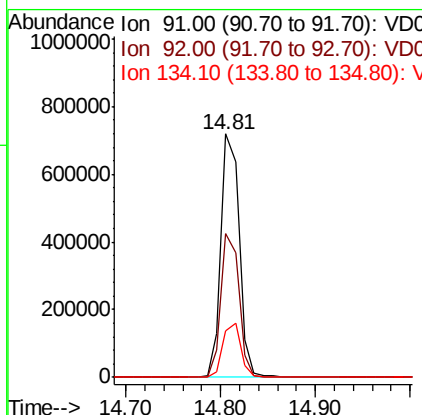
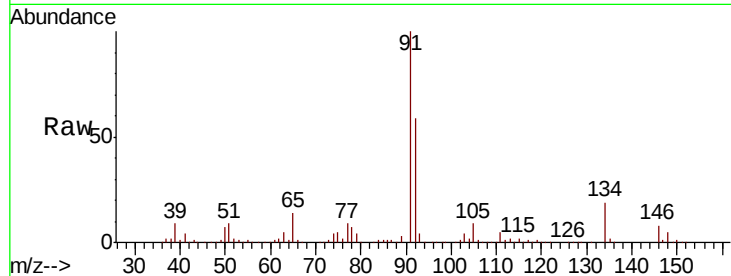




#89
n-Butylbenzene
Concen: 51.789 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

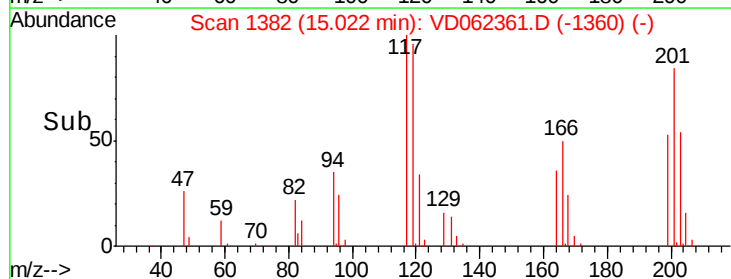
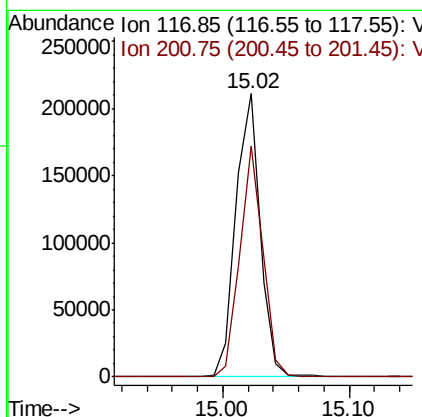
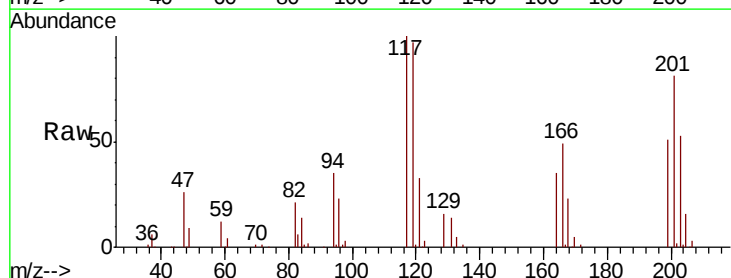
Instrument :
MSVOA_D
ClientSampleID :

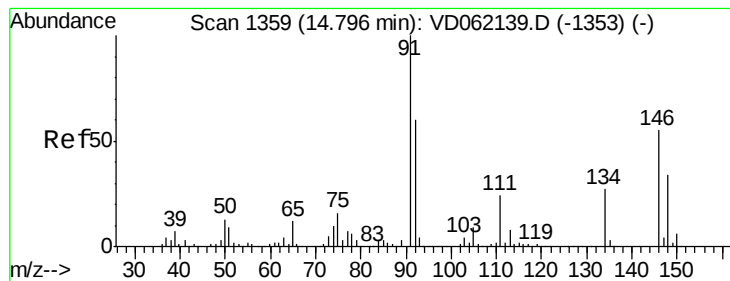
Tot Ion: 91 Resp: 963381
Ion Ratio Lower Upper
91 100
92 59.3 30.3 91.0
134 19.3 14.5 43.6



#90
Hexachloroethane
Concen: 49.573 ug/l
RT: 15.02 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 117 Resp: 279398
Ion Ratio Lower Upper
117 100
201 81.5 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 47.998 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampled :

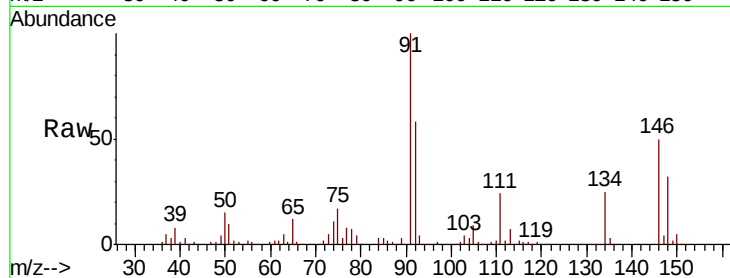
Tot Ion:146 Resp: 451856

Ion Ratio Lower Upper

146 100

111 48.3 20.0 59.9

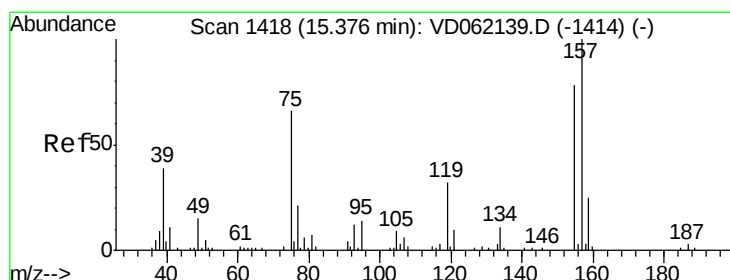
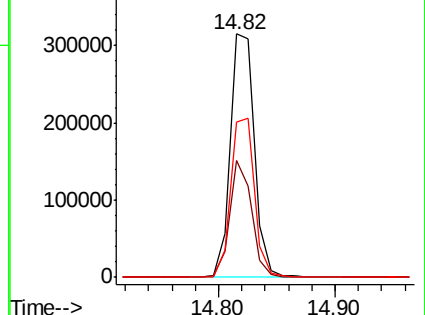
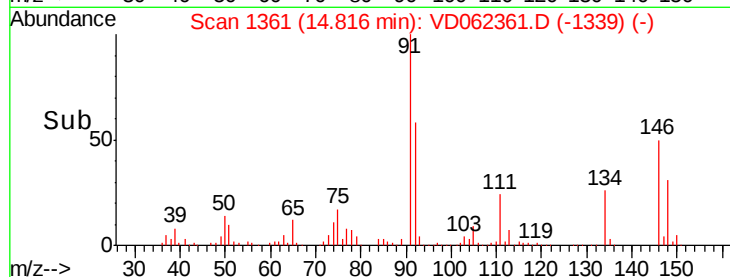
148 63.7 32.3 96.8



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: 54.626 ug/l

RT: 15.40 min Scan# 1420

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

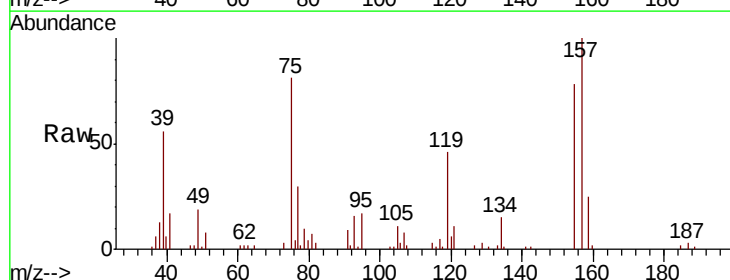
Tgt Ion: 75 Resp: 37946

Ion Ratio Lower Upper

75 100

155 96.0 55.3 165.8

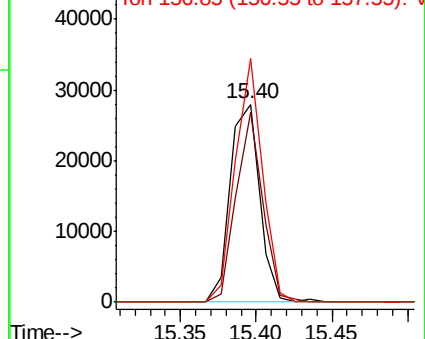
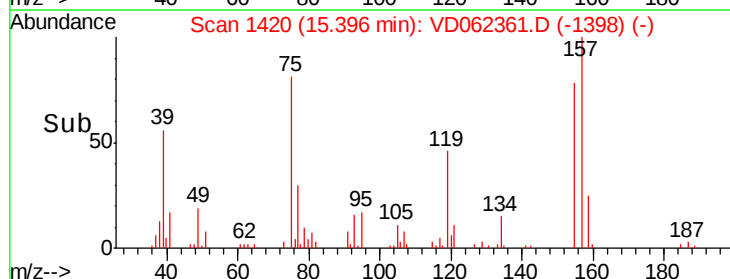
157 122.9 67.8 203.2

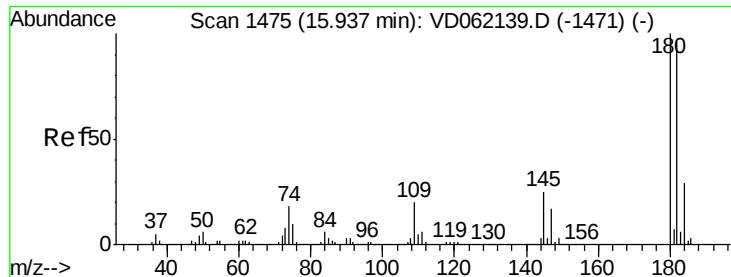


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

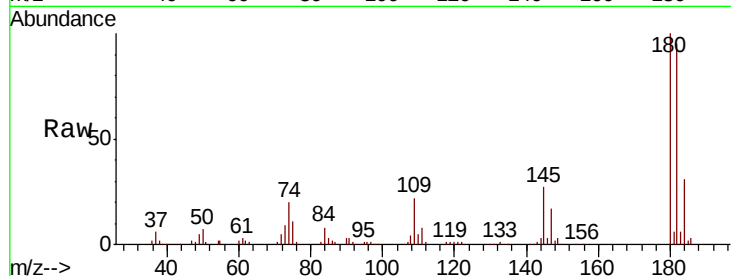




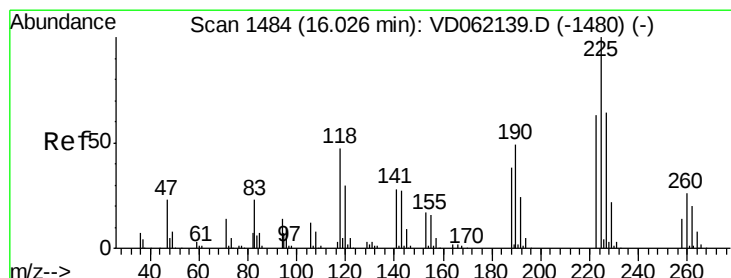
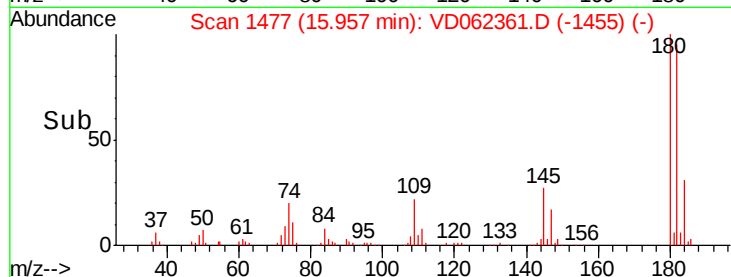
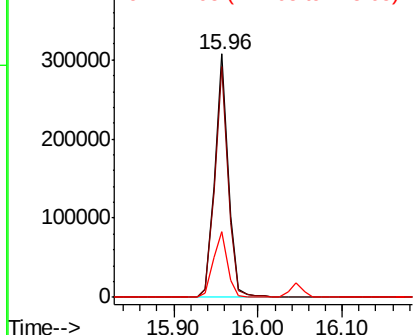
#93
 1,2,4-Trichlorobenzene
 Concen: 50.425 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 345522
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.3 147.8
 145 26.9 16.2 48.6

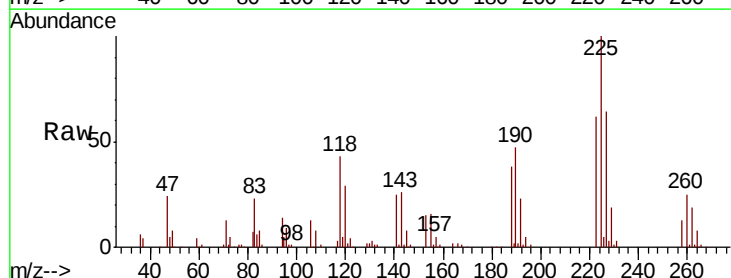


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

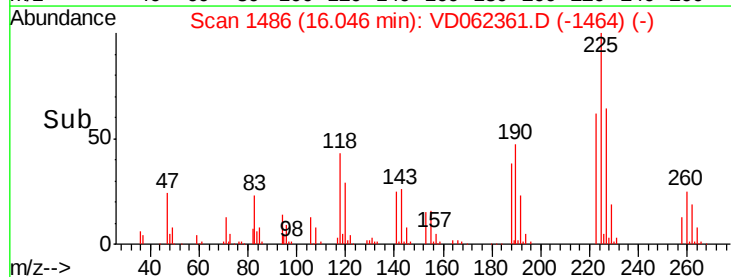
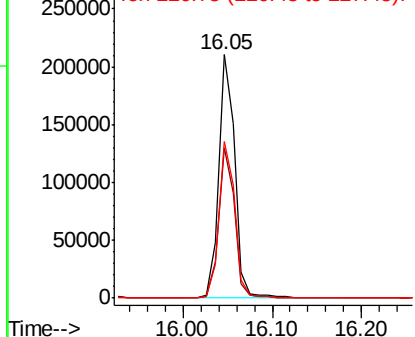


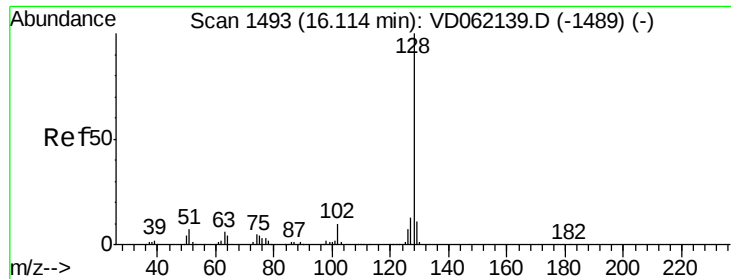
#94
 Hexachlorobutadiene
 Concen: 51.952 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion:225 Resp: 264767
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.6 92.0
 227 64.4 32.0 96.2



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

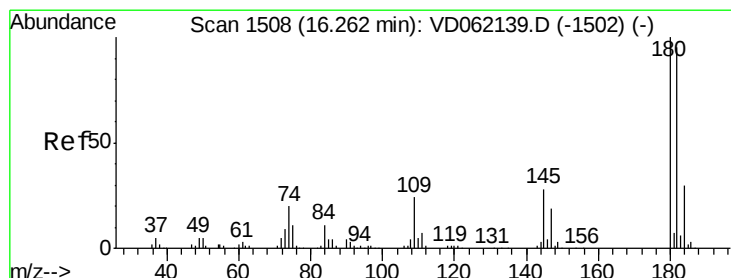
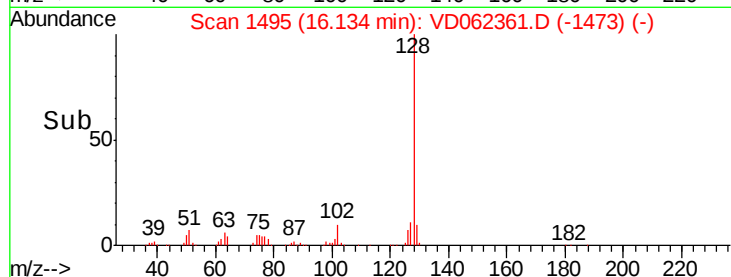
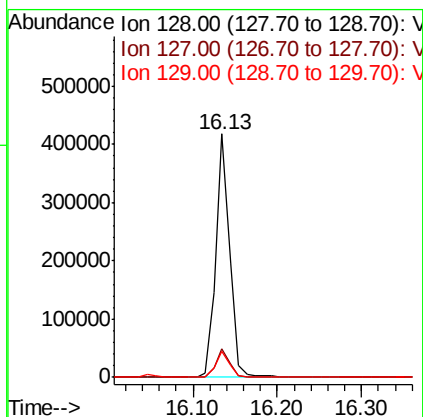
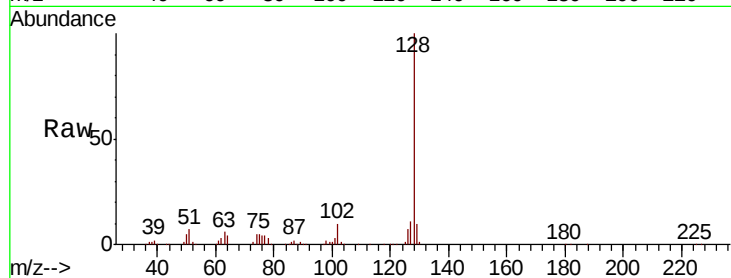




#95
Naphthalene
Concen: 49.915 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 477504
Ion Ratio Lower Upper
128 100
127 11.5 9.8 14.8
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 60.273 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion:180 Resp: 259667
Ion Ratio Lower Upper
180 100
182 98.8 47.0 141.0
145 30.3 17.0 51.0

