

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064002.D
 Acq On : 18 Oct 2019 10:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:36:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	178981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	279633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	280268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155797	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	87733	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	7.92	113	89734	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
50) Toluene-d8	10.34	98	375138	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
62) 4-Bromofluorobenzene	12.64	95	128234	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	56978	44.890	ug/l	95
3) Chloromethane	2.21	50	187300	55.073	ug/l	99
4) Vinyl Chloride	2.35	62	221418	53.973	ug/l	98
5) Bromomethane	2.77	94	127373	48.295	ug/l	97
6) Chloroethane	2.92	64	144200	53.151	ug/l	90
7) Trichlorofluoromethane	3.27	101	313068	57.720	ug/l	96
8) Diethyl Ether	3.70	74	40684	46.732	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	74774	49.803	ug/l	95
10) Methyl Iodide	4.29	142	91243	44.104	ug/l	99
11) Tert butyl alcohol	5.24	59	10294	79.567	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	69216	46.144	ug/l	92
13) Acrolein	3.93	56	32507	208.872	ug/l	92
14) Allyl chloride	4.71	41	124994	50.121	ug/l	99
15) Acrylonitrile	5.43	53	98249	255.973	ug/l	100
16) Acetone	4.17	43	119902	264.293	ug/l	97
17) Carbon Disulfide	4.40	76	244493	44.839	ug/l	98
18) Methyl Acetate	4.72	43	44070	49.666	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	190423	49.024	ug/l	96
20) Methylene Chloride	4.96	84	99621	49.456	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	96077	51.452	ug/l	98
22) Diisopropyl ether	6.37	45	267245	52.470	ug/l	91
23) Vinyl Acetate	6.31	43	779329	257.212	ug/l	98
24) 1,1-Dichloroethane	6.27	63	163222	52.027	ug/l	97
25) 2-Butanone	7.22	43	142869	265.729	ug/l	97
26) 2,2-Dichloropropane	7.21	77	147255	51.888	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	113126	53.523	ug/l	96
28) Bromochloromethane	7.55	49	65894	55.050	ug/l	98
29) Tetrahydrofuran	7.57	42	75584	240.854	ug/l	99
30) Chloroform	7.71	83	173228	50.838	ug/l	94
31) Cyclohexane	7.98	56	151940	59.322	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	159144	54.447	ug/l	98
36) 1,1-Dichloropropene	8.11	75	139430	54.534	ug/l	96
37) Ethyl Acetate	7.31	43	50537	49.233	ug/l	97
38) Carbon Tetrachloride	8.10	117	141523	54.775	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	171718	54.623	ug/l	92
40) Benzene	8.36	78	397497	54.252	ug/l	98
41) Methacrylonitrile	7.53	41	26497	44.700	ug/l	94
42) 1,2-Dichloroethane	8.43	62	110205	51.998	ug/l	100
43) Isopropyl Acetate	8.46	43	102327	47.723	ug/l	98
44) Trichloroethene	9.11	130	111725	52.880	ug/l	93
45) 1,2-Dichloropropane	9.39	63	92680	51.679	ug/l	94
46) Dibromomethane	9.47	93	55994	54.824	ug/l	97
47) Bromodichloromethane	9.67	83	137206	52.178	ug/l	97
48) Methyl methacrylate	9.46	41	47878	46.603	ug/l	99
49) 1,4-Dioxane	9.46	88	13843	992.949	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	280239	252.009	ug/l	97
52) Toluene	10.40	92	282380	56.142	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	134450	52.397	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	158414	53.632	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	78296	54.293	ug/l	91
56) Ethyl methacrylate	10.66	69	95046	52.046	ug/l	97
57) 1,3-Dichloropropane	10.95	76	133809	54.232	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	210082	267.630	ug/l	98
59) 2-Hexanone	10.98	43	213126	264.949	ug/l	99
60) Dibromochloromethane	11.14	129	103105	54.917	ug/l	98
61) 1,2-Dibromoethane	11.25	107	77476	55.417	ug/l	99
64) Tetrachloroethene	10.88	164	103836	54.270	ug/l	95
65) Chlorobenzene	11.67	112	312921	55.595	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	114124	55.026	ug/l	99
67) Ethyl Benzene	11.74	91	566307	55.797	ug/l	98
68) m/p-Xylenes	11.86	106	456537	116.540	ug/l	95
69) o-Xylene	12.18	106	207173	55.230	ug/l	97
70) Styrene	12.20	104	359152	56.559	ug/l	99
71) Bromoform	12.36	173	62327	55.997	ug/l #	100
73) Isopropylbenzene	12.48	105	570495	54.471	ug/l	98
74) N-amyl acetate	12.29	43	103025	45.688	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	92146	50.560	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	116325	111.477	ug/l #	100
77) Bromobenzene	12.76	156	143552	55.014	ug/l	95
78) n-propylbenzene	12.82	91	681531	55.438	ug/l	99
79) 2-Chlorotoluene	12.91	91	362917	53.538	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	482995	55.277	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	29253	49.609	ug/l	97
82) 4-Chlorotoluene	13.01	91	374447	52.072	ug/l	97
83) tert-Butylbenzene	13.23	119	419527	53.949	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	496630	55.132	ug/l	99
85) sec-Butylbenzene	13.40	105	600628	57.193	ug/l	99
86) p-Isopropyltoluene	13.52	119	567402	57.097	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	280789	54.460	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	279672	54.983	ug/l	97
89) n-Butylbenzene	13.84	91	525591	56.820	ug/l	99
90) Hexachloroethane	14.11	117	104504	58.470	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	248321	55.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13713	48.346	ug/l	87

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Response via : Initial Calibration

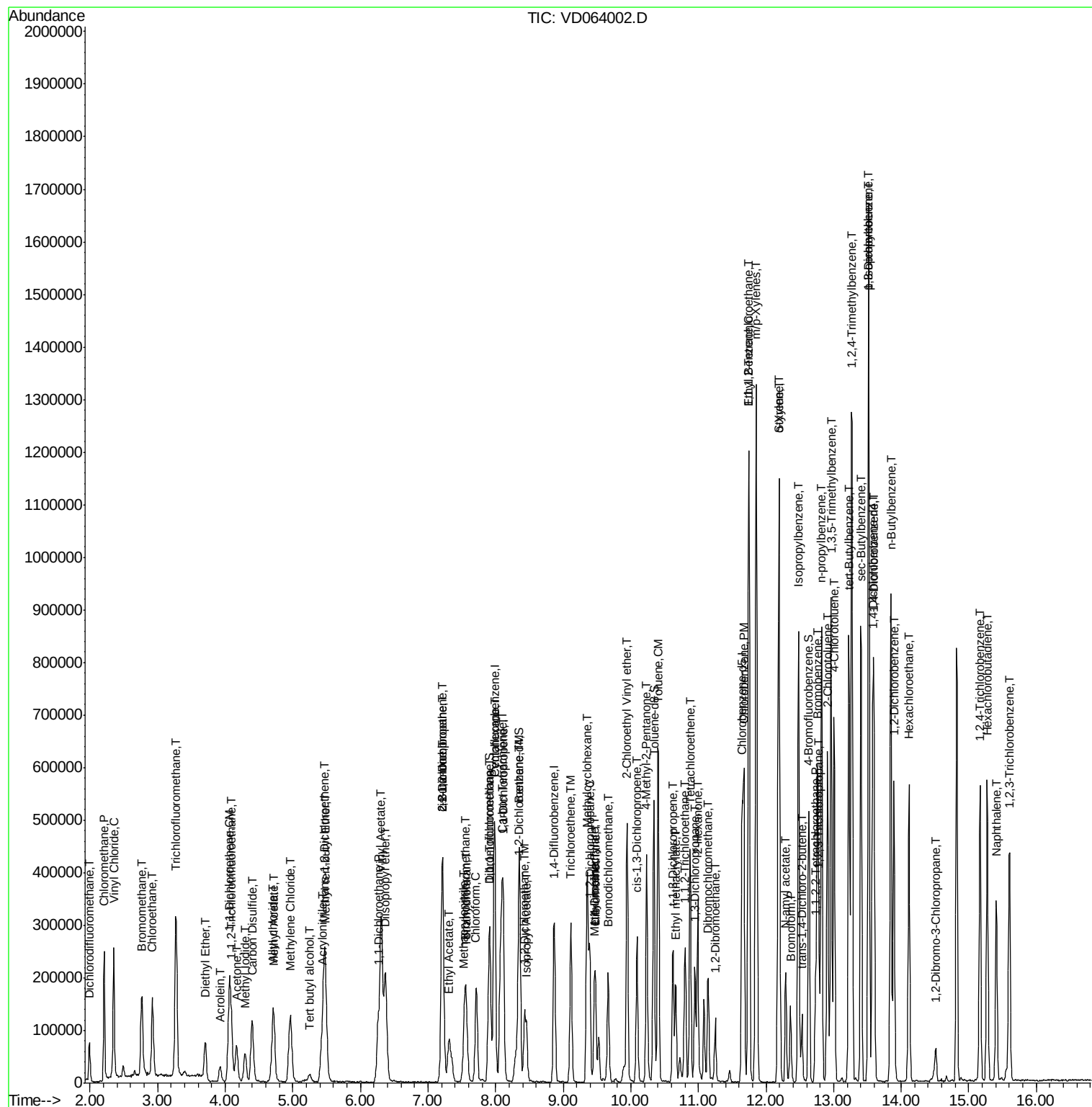
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	184264	53.746	ug/l	99
94) Hexachlorobutadiene	15.27	225	110473	58.392	ug/l	98
95) Naphthalene	15.41	128	310418	53.870	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	161038	54.441	ug/l	99

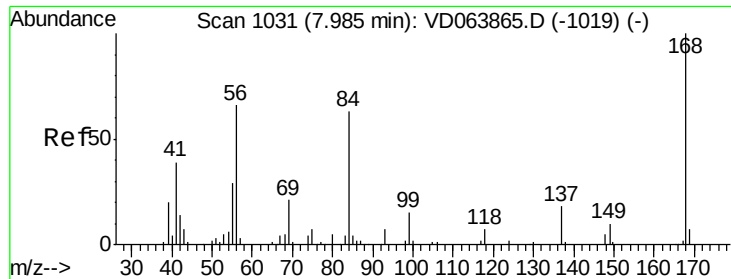
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

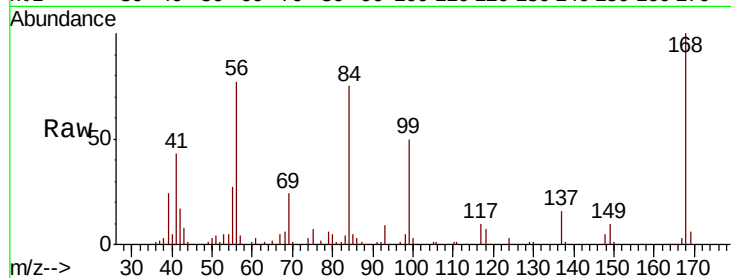
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 178981

Ion Ratio Lower Upper

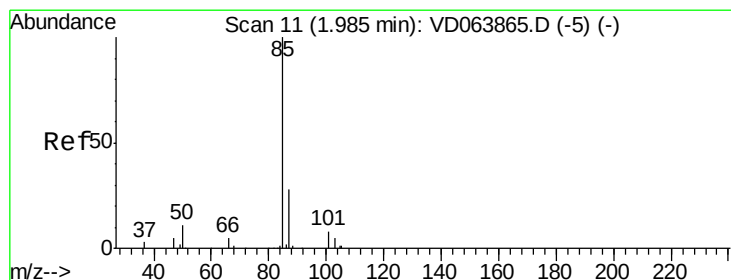
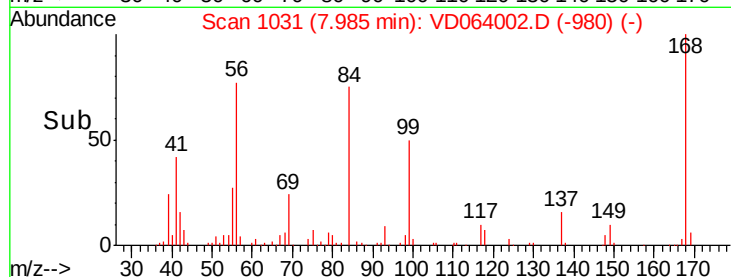
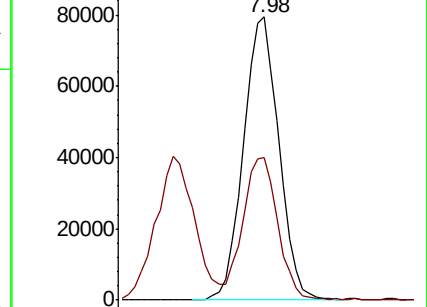
168 100

99 50.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.890 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064002.D

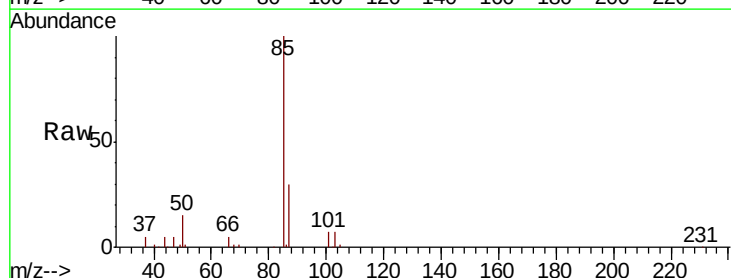
Acq: 18 Oct 2019 10:54

Tgt Ion: 85 Resp: 56978

Ion Ratio Lower Upper

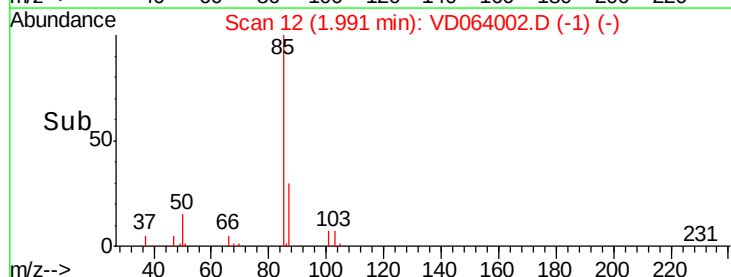
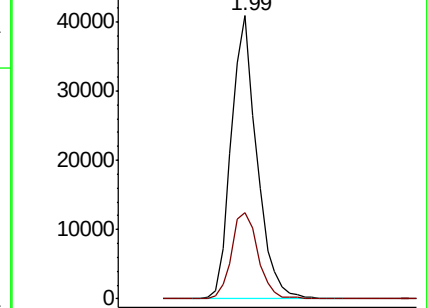
85 100

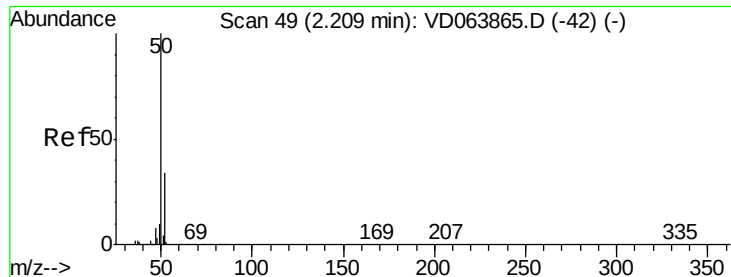
87 30.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

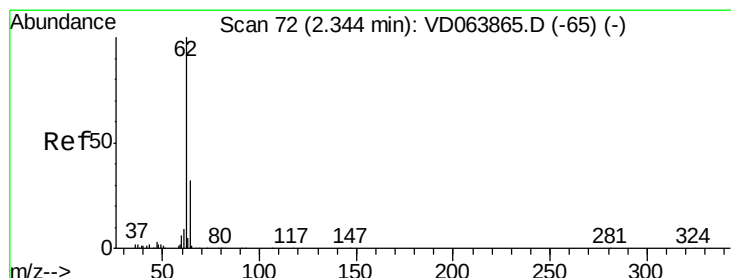
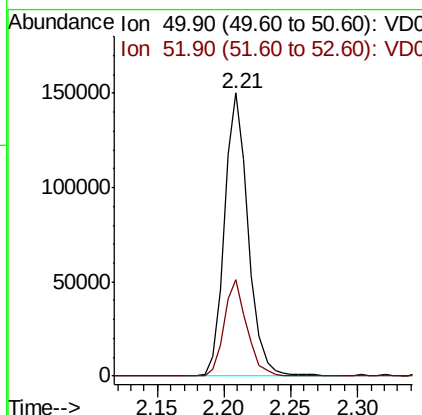
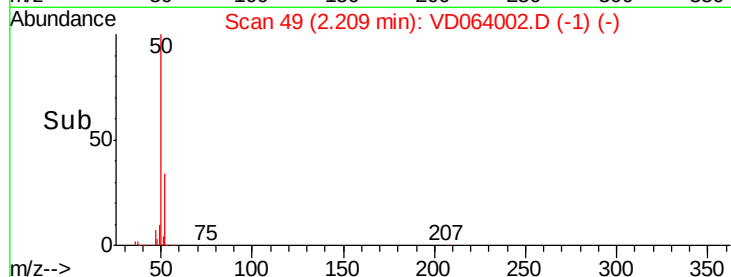
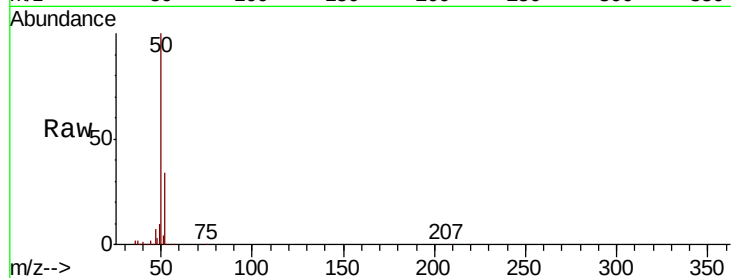




#3
Chloromethane
Concen: 55.073 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

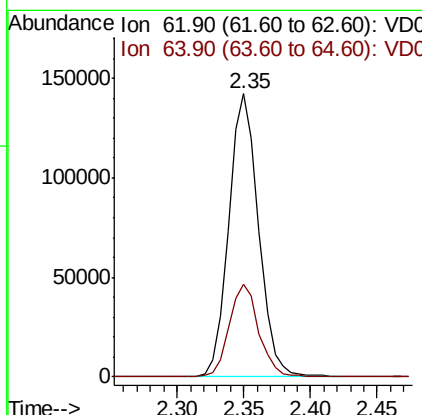
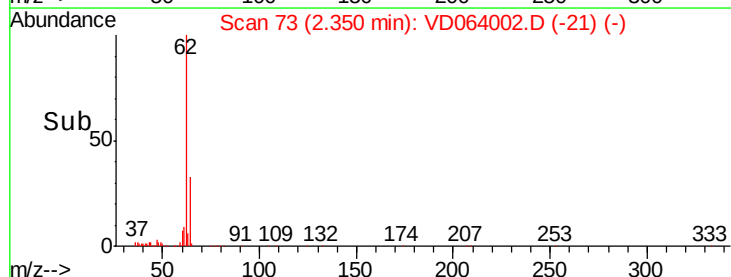
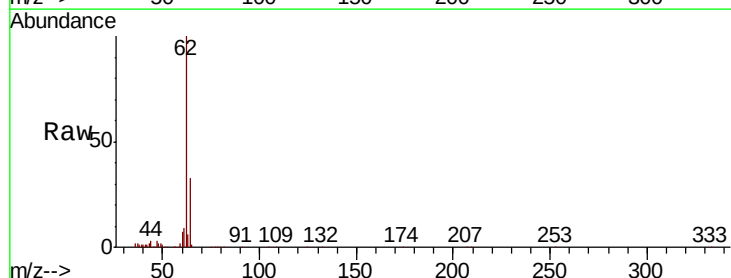
Instrument :
MSVOA_D
ClientSampleId :

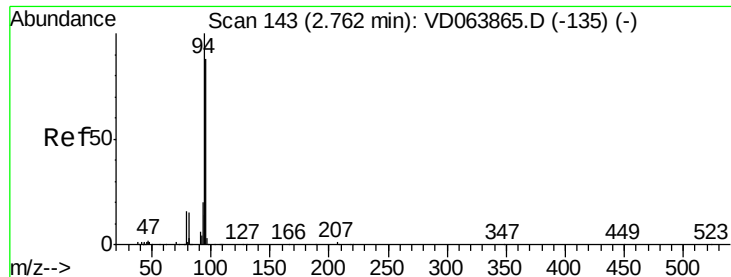
Tot Ion: 50 Resp: 187300
Ion Ratio Lower Upper
50 100
52 33.9 27.5 41.3



#4
Vinyl Chloride
Concen: 53.973 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 62 Resp: 221418
Ion Ratio Lower Upper
62 100
64 32.6 25.4 38.0





#5

Bromomethane

Concen: 48.295 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

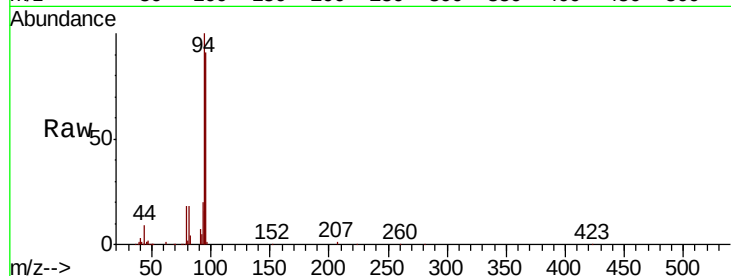
ClientSampleId :

Tot Ion: 94 Resp: 127373

Ion Ratio Lower Upper

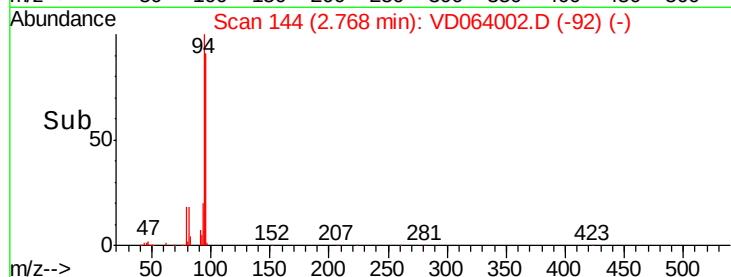
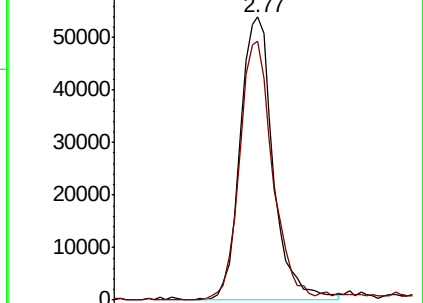
94 100

96 91.4 70.8 106.2

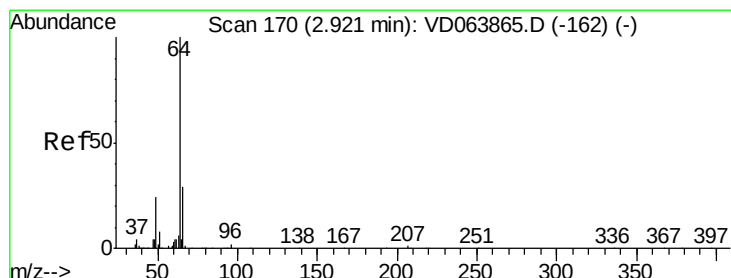


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 53.151 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064002.D

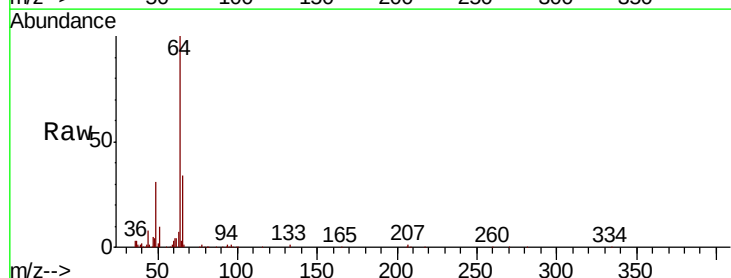
Acq: 18 Oct 2019 10:54

Tgt Ion: 64 Resp: 144200

Ion Ratio Lower Upper

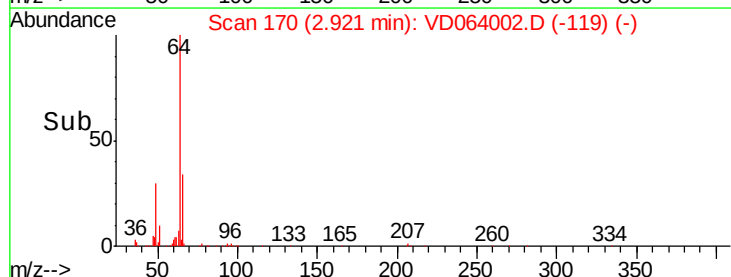
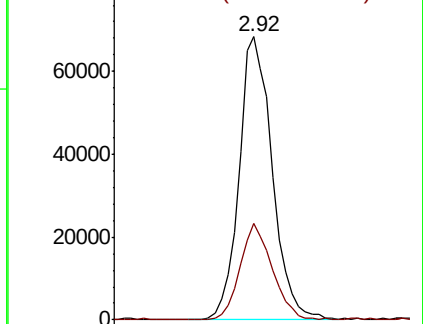
64 100

66 33.9 23.0 34.4

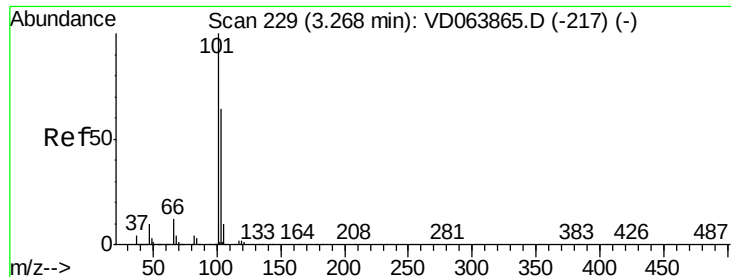


Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->

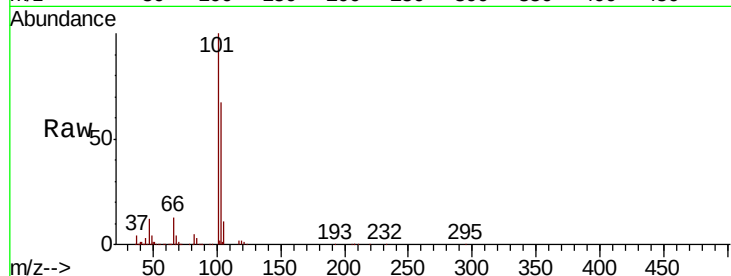


#7

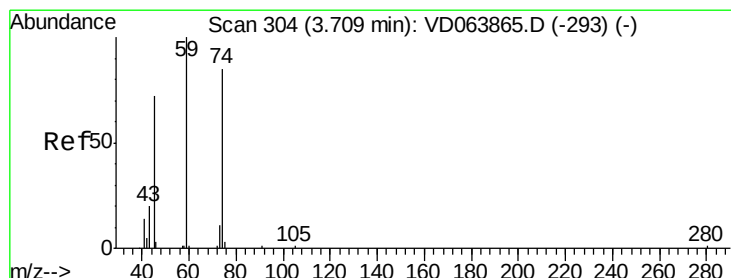
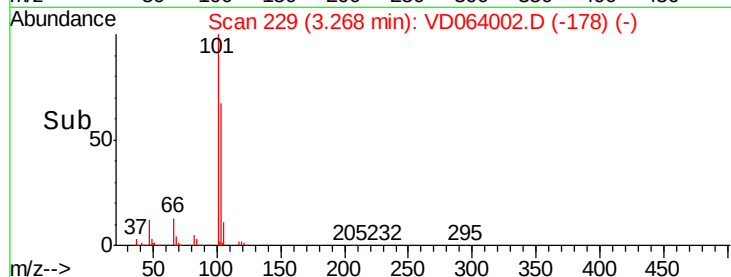
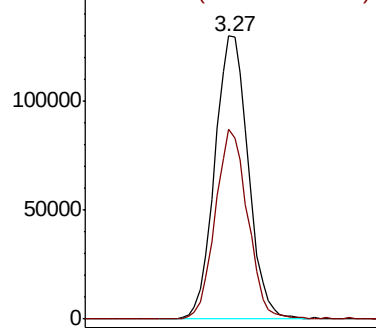
Trichlorofluoromethane
Concen: 57.720 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 313068
Ion Ratio Lower Upper
101 100
103 67.1 51.1 76.7



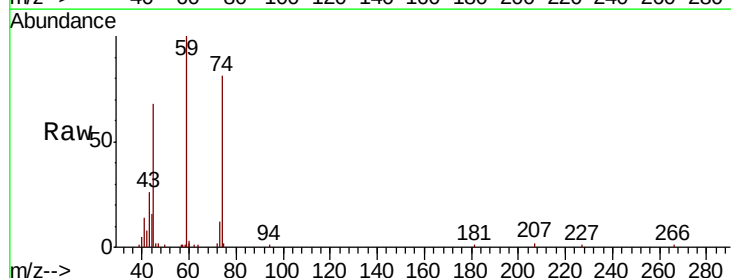
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



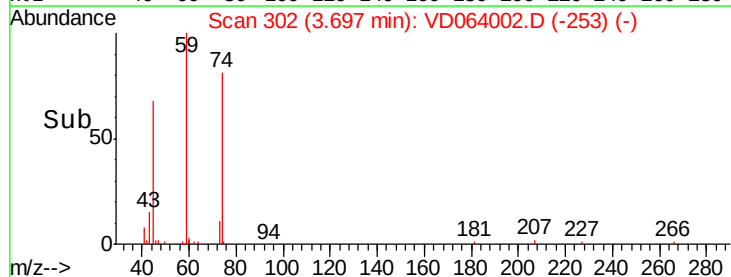
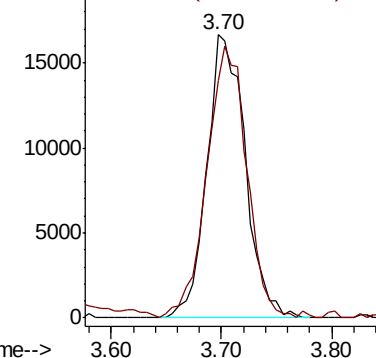
#8

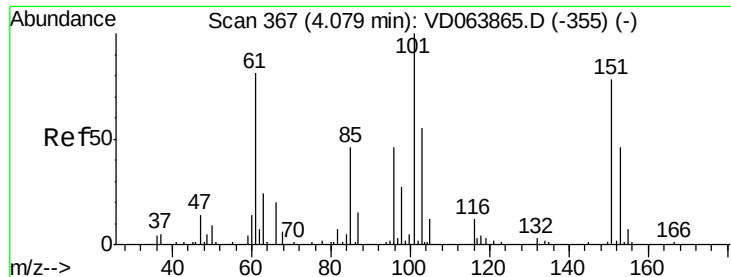
Diethyl Ether
Concen: 46.732 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 74 Resp: 40684
Ion Ratio Lower Upper
74 100
45 99.7 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.803 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

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ClientSampleId :

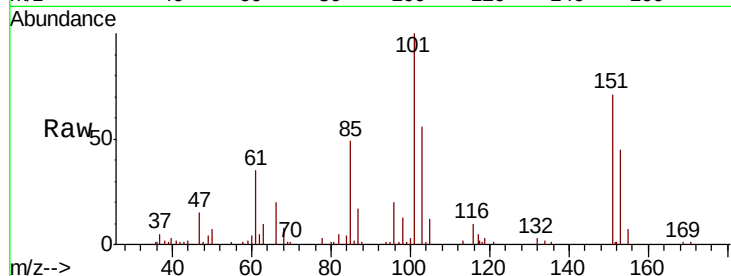
Tot Ion:101 Resp: 74774

Ion Ratio Lower Upper

101 100

85 46.9 37.5 56.3

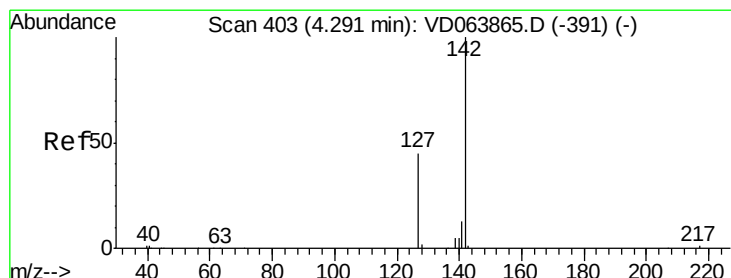
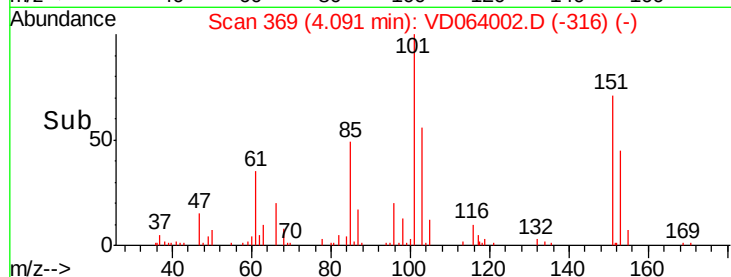
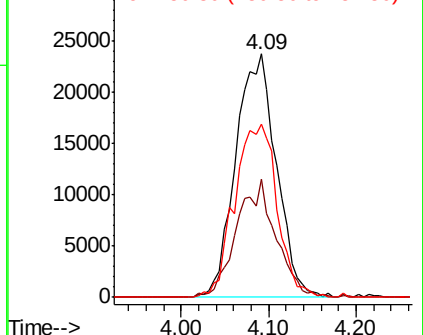
151 74.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.104 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

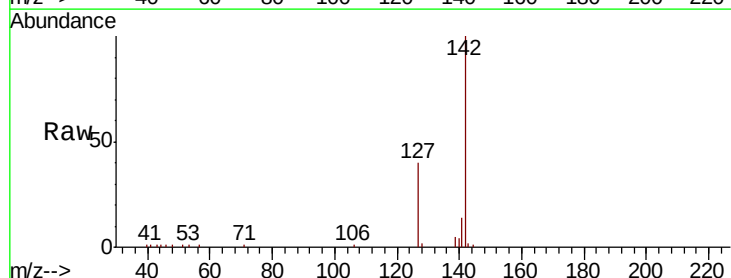
Tgt Ion:142 Resp: 91243

Ion Ratio Lower Upper

142 100

127 44.9 35.3 52.9

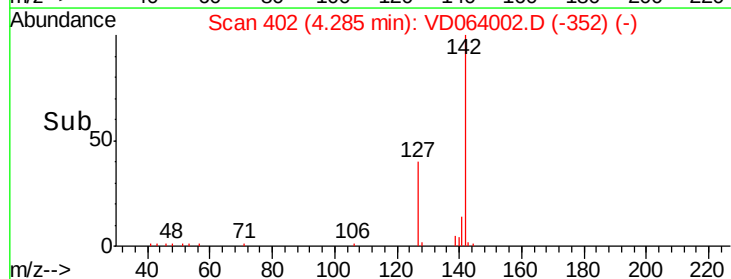
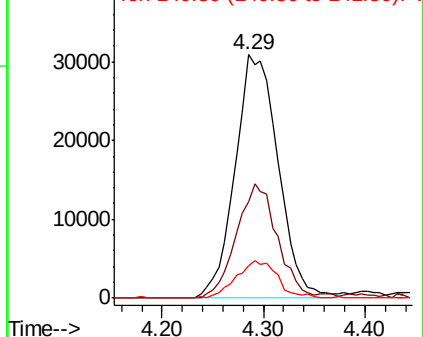
141 14.7 12.2 18.2

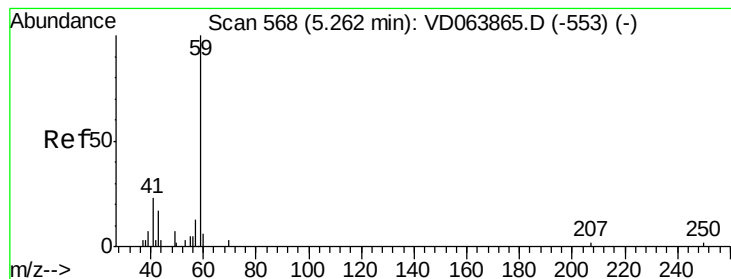


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



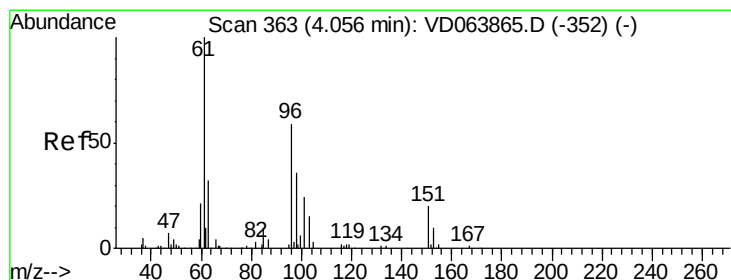
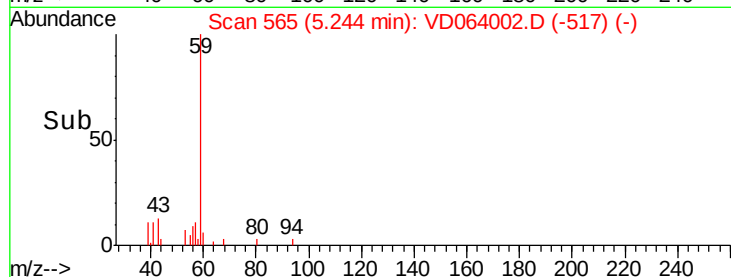
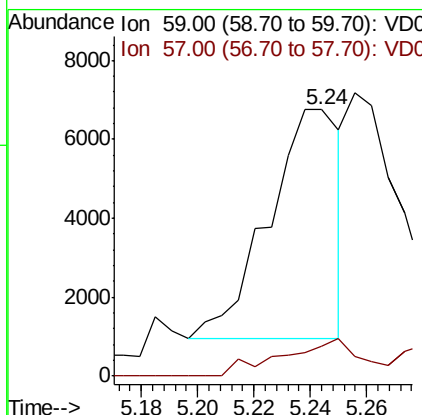
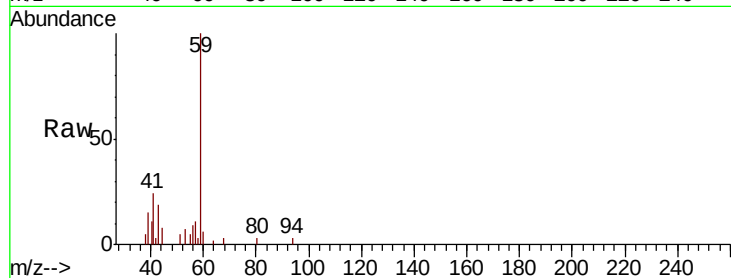


#11

Tert butyl alcohol
Concen: 79.567 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Instrument :
MSVOA_D
ClientSampled :

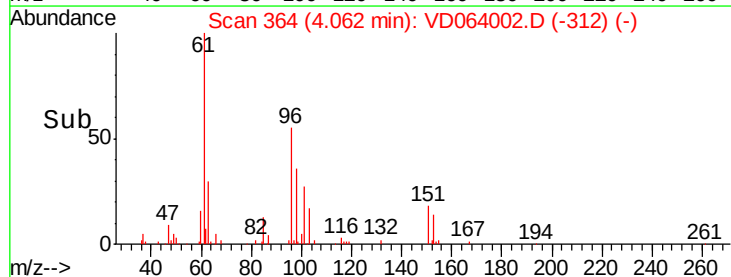
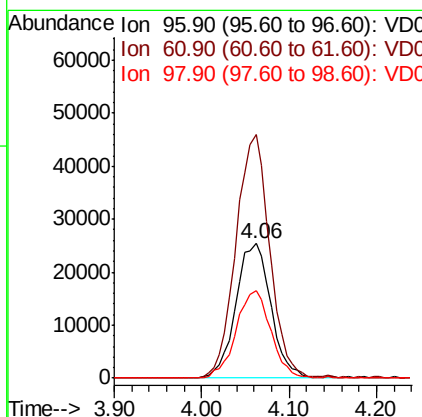
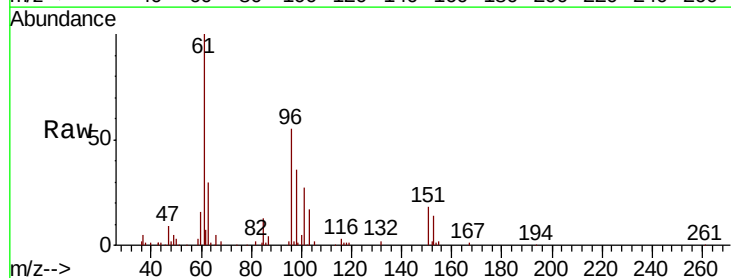
Tot Ion: 59 Resp: 10294
Ion Ratio Lower Upper
59 100
57 17.6 8.8 13.2#

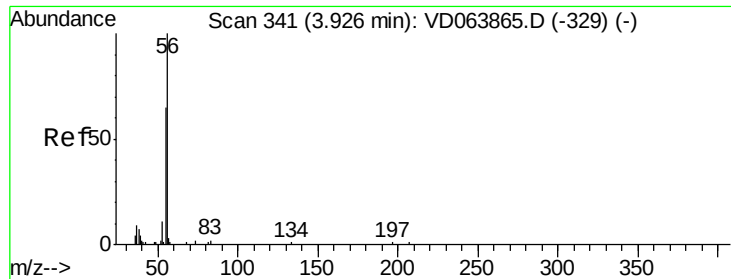


#12

1,1-Dichloroethene
Concen: 46.144 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 96 Resp: 69216
Ion Ratio Lower Upper
96 100
61 181.1 135.6 203.4
98 65.5 49.2 73.8

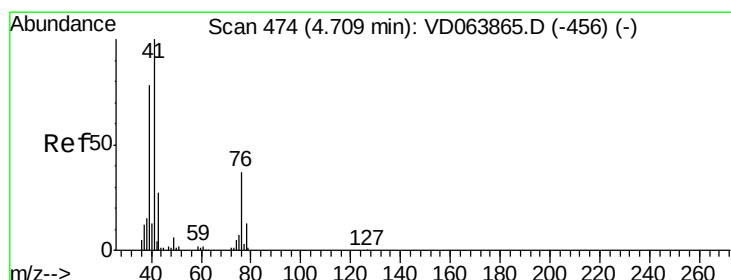
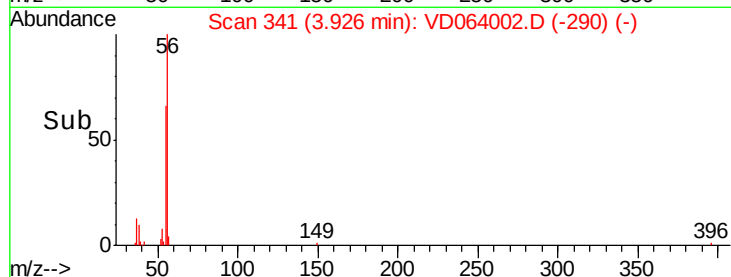
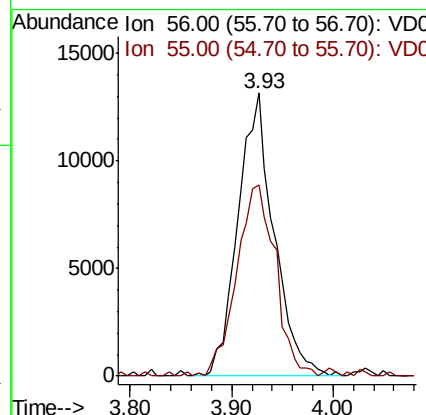
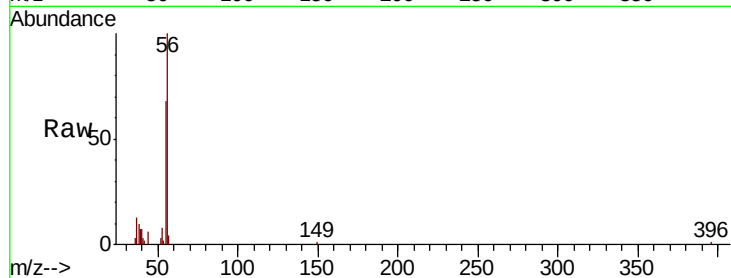




#13
 Acrolein
 Concen: 208.872 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

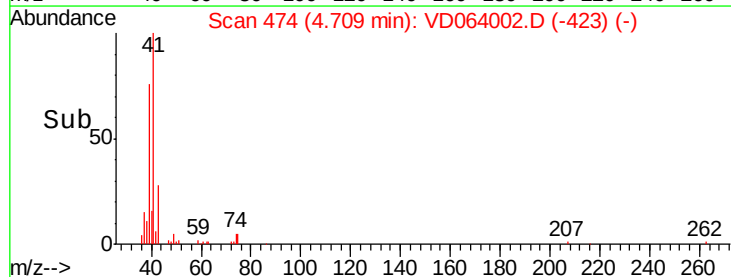
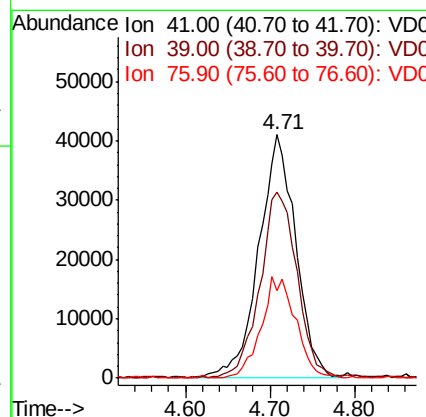
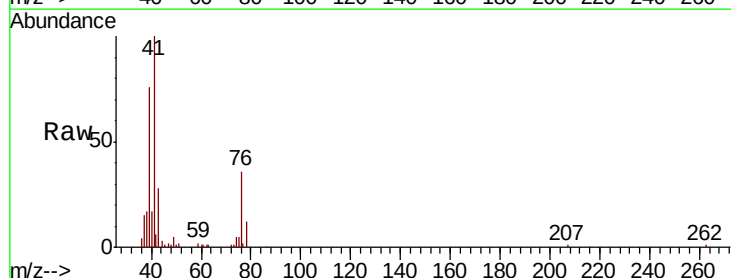
Instrument :
 MSVOA_D
 ClientSampleId :

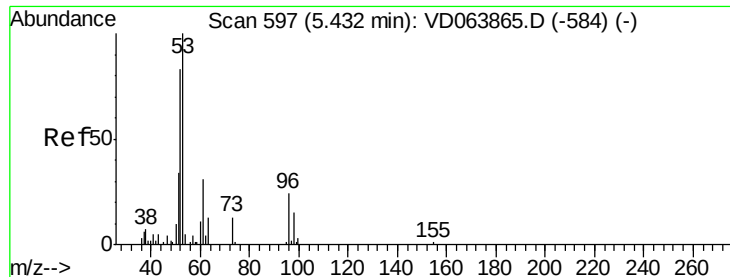
Tot Ion: 56 Resp: 32507
 Ion Ratio Lower Upper
 56 100
 55 72.4 53.0 79.6



#14
 Allyl chloride
 Concen: 50.121 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion: 41 Resp: 124994
 Ion Ratio Lower Upper
 41 100
 39 76.7 61.8 92.6
 76 38.7 31.3 46.9





#15

Acrylonitrile

Concen: 255.973 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

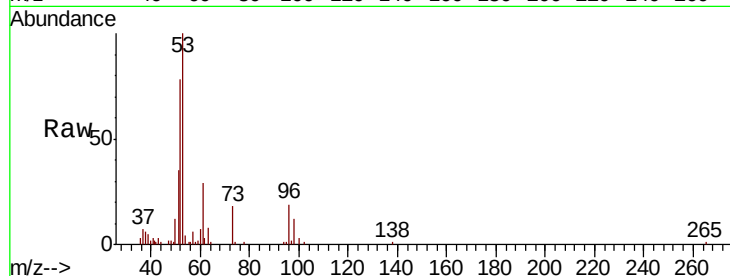
Tot Ion: 53 Resp: 98249

Ion Ratio Lower Upper

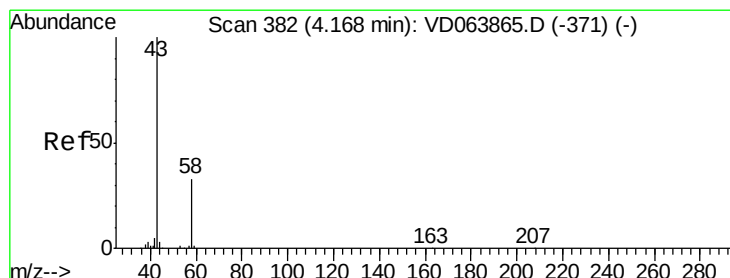
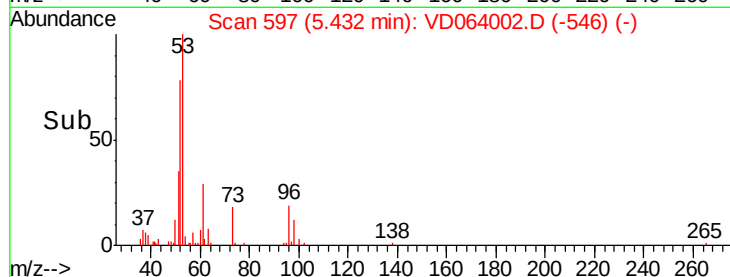
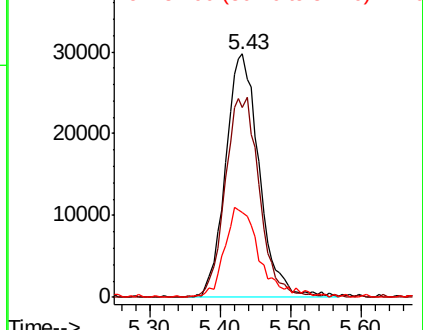
53 100

52 83.8 67.3 100.9

51 38.3 30.5 45.7



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: 264.293 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064002.D

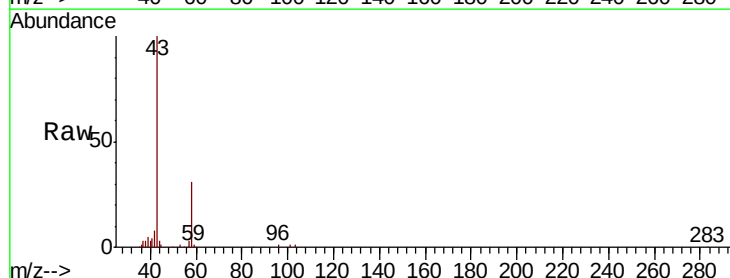
Acq: 18 Oct 2019 10:54

Tgt Ion: 43 Resp: 119902

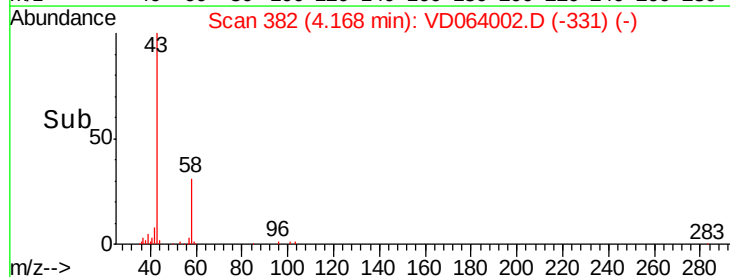
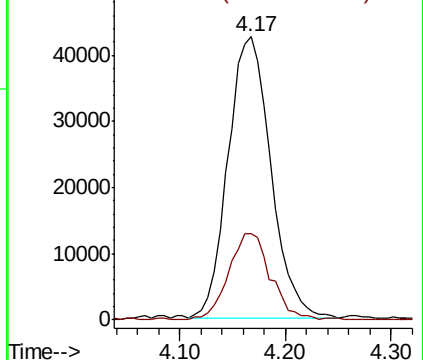
Ion Ratio Lower Upper

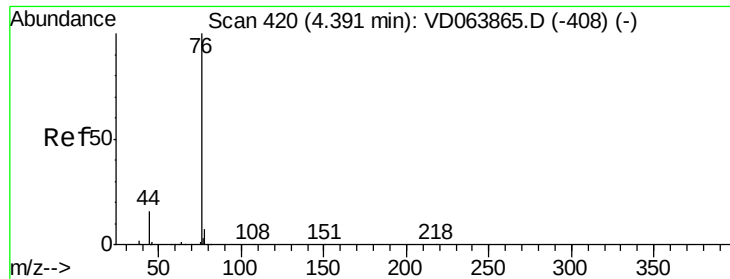
43 100

58 30.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 44.839 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

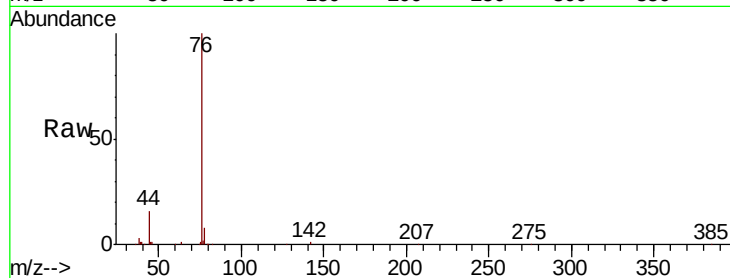
ClientSampleId :

Tot Ion: 76 Resp: 244493

Ion Ratio Lower Upper

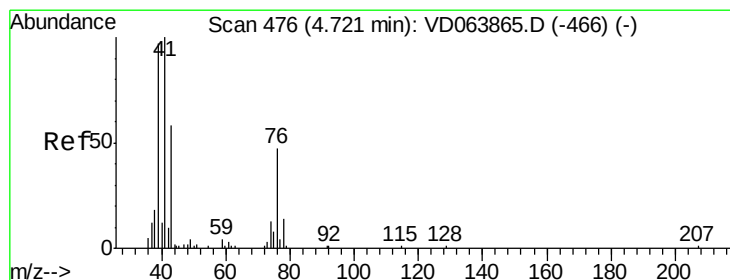
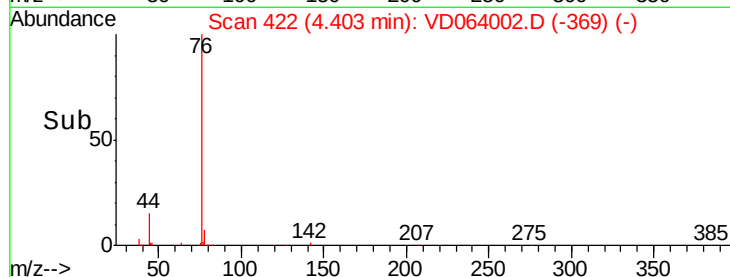
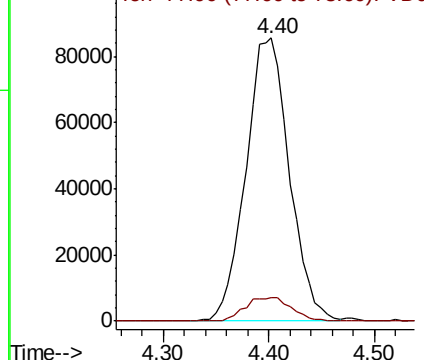
76 100

78 8.1 5.8 8.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 49.666 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064002.D

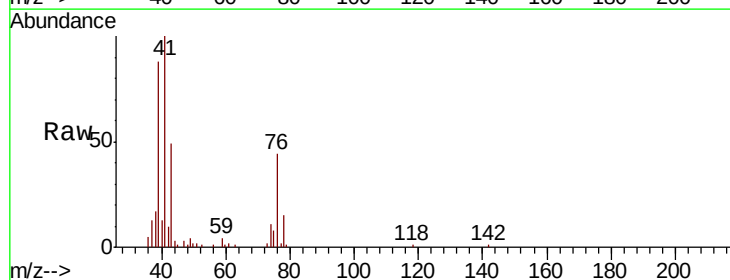
Acq: 18 Oct 2019 10:54

Tgt Ion: 43 Resp: 44070

Ion Ratio Lower Upper

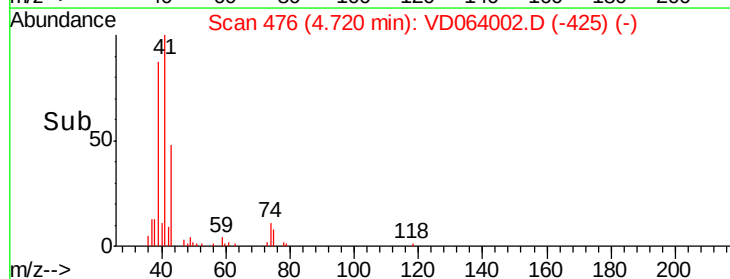
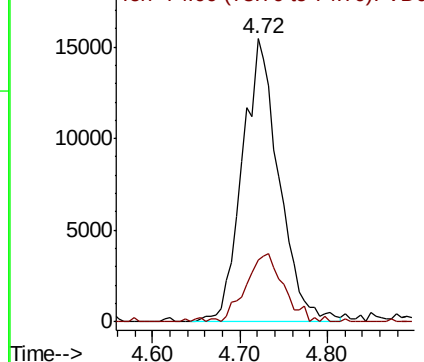
43 100

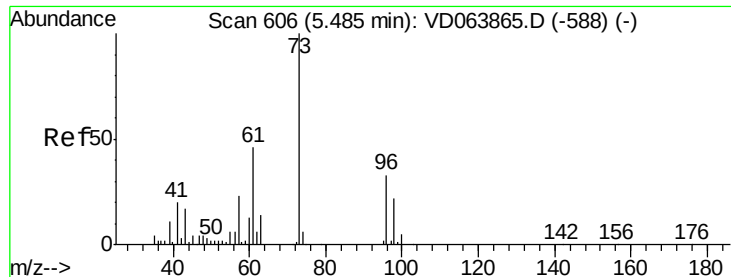
74 25.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



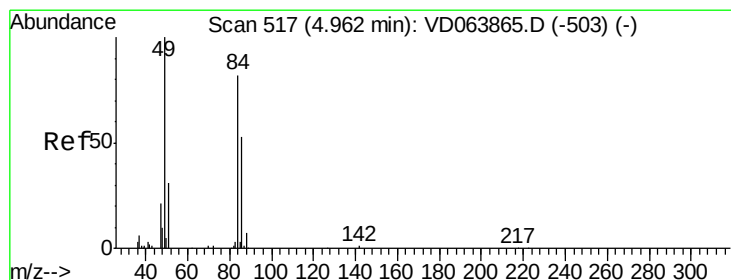
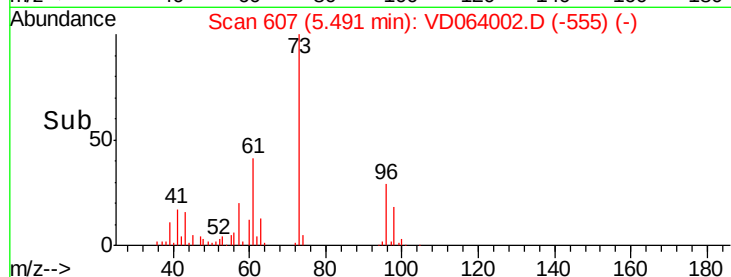
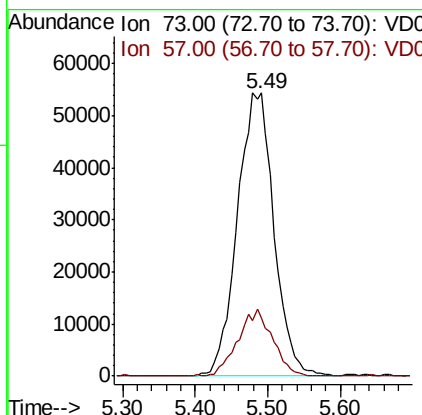
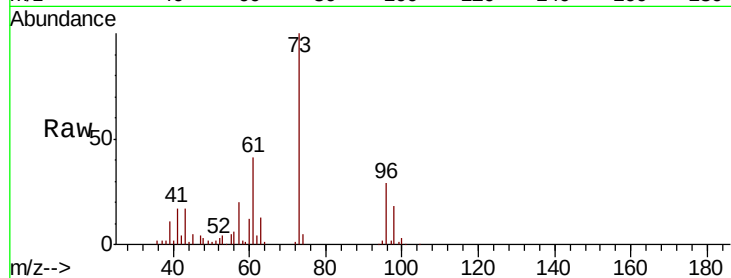


#19

Methyl tert-butyl Ether
 Concen: 49.024 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Instrument :
 MSVOA_D
 ClientSampled :

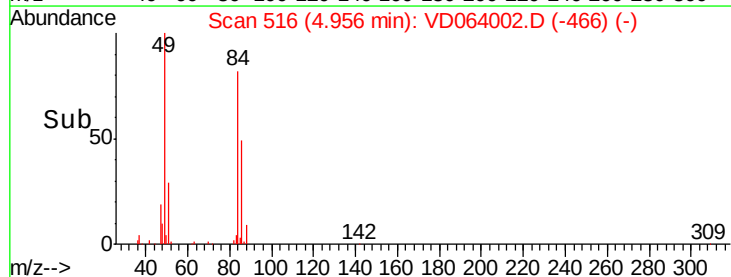
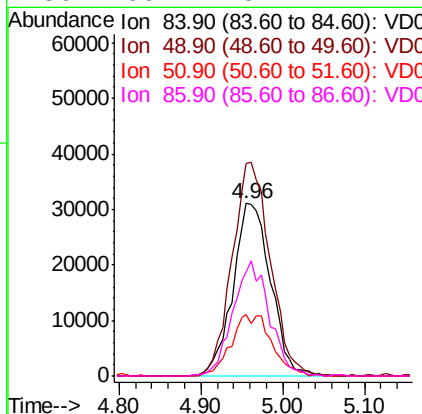
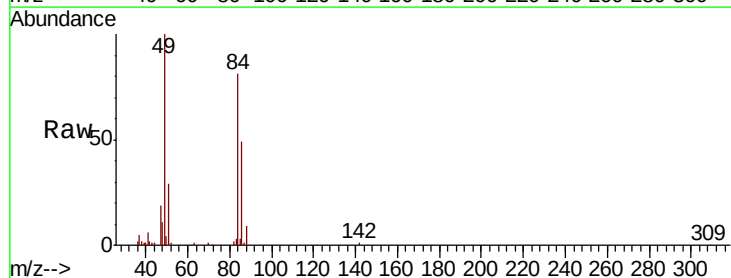
Tot Ion: 73 Resp: 190423
 Ion Ratio Lower Upper
 73 100
 57 20.5 18.1 27.1

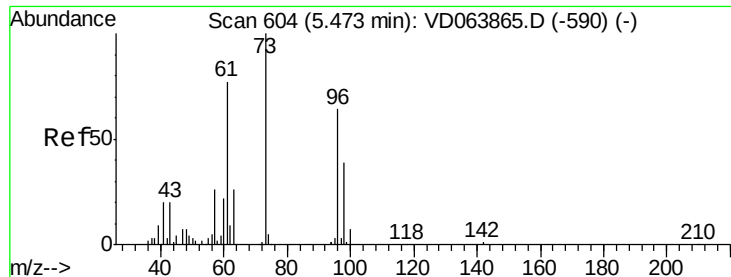


#20

Methylene Chloride
 Concen: 49.456 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion: 84 Resp: 99621
 Ion Ratio Lower Upper
 84 100
 49 123.3 97.3 145.9
 51 36.0 30.1 45.1
 86 60.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.452 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

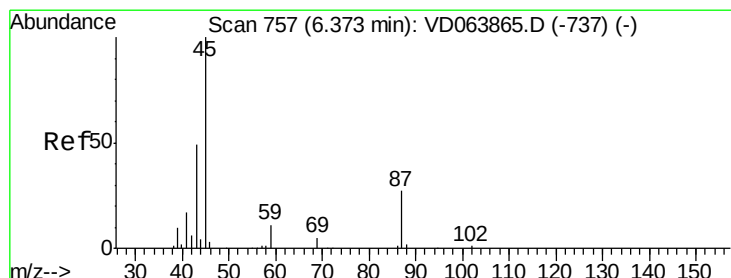
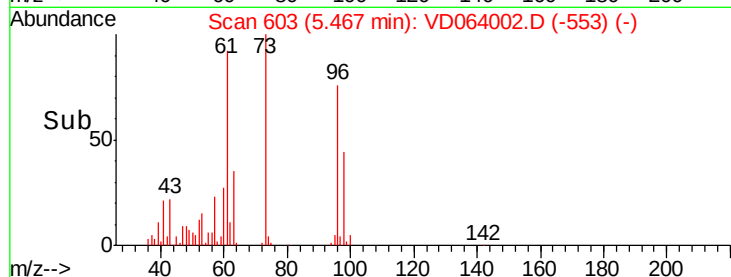
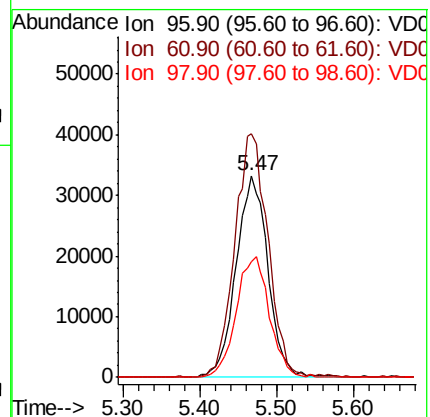
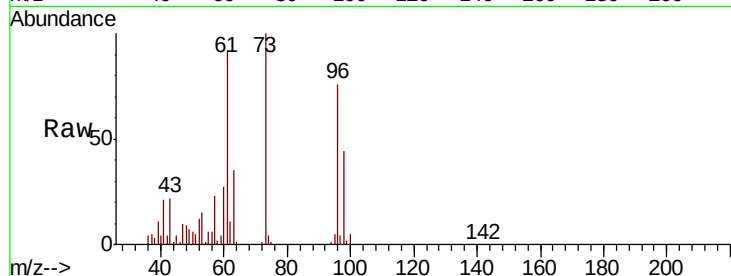
Tot Ion: 96 Resp: 96077

Ion Ratio Lower Upper

96 100

61 120.7 96.6 145.0

98 57.4 48.7 73.1



#22

Diisopropyl ether

Concen: 52.470 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Tgt Ion: 45 Resp: 267245

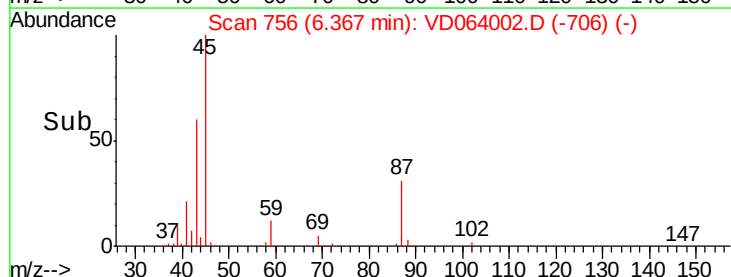
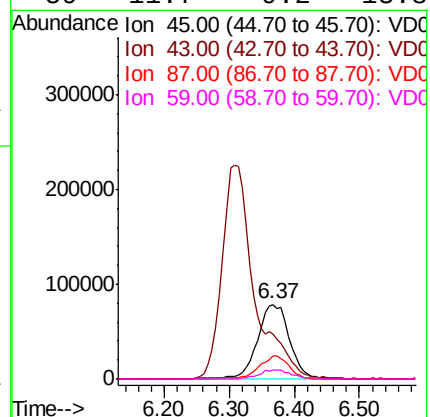
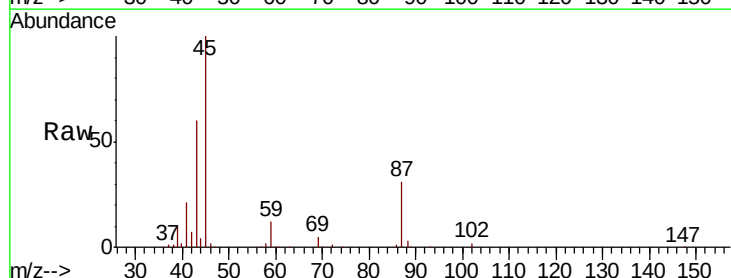
Ion Ratio Lower Upper

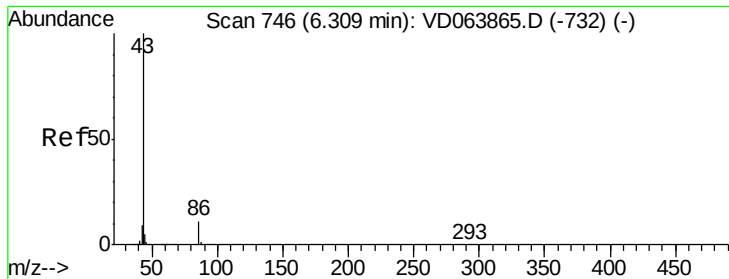
45 100

43 60.0 41.2 61.8

87 31.0 22.2 33.4

59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 257.212 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

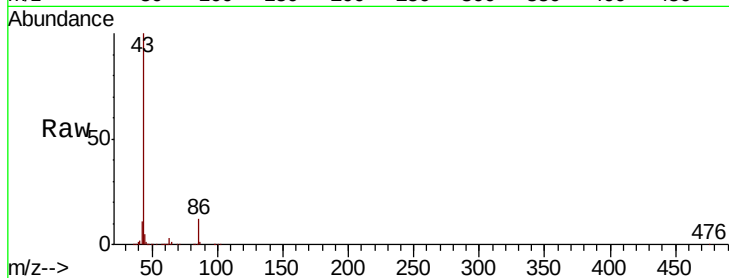
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 779329

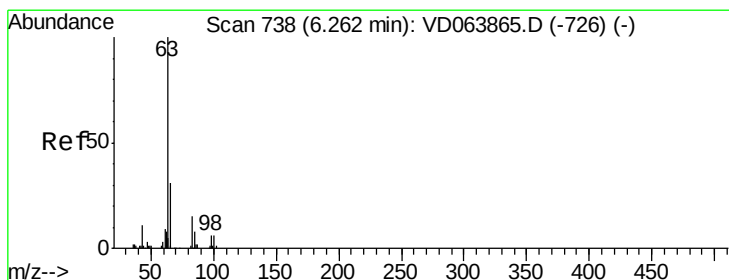
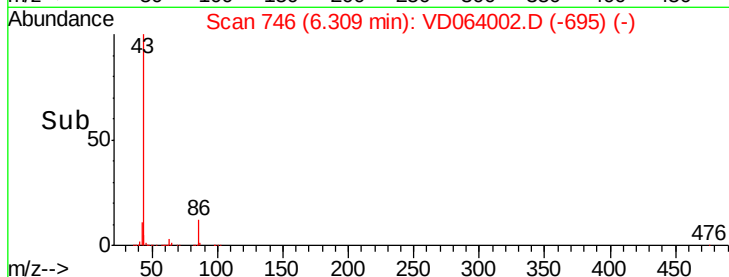
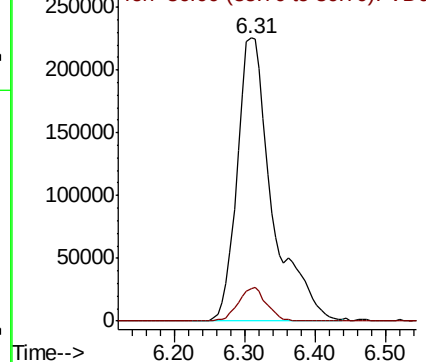
Ion Ratio Lower Upper

43 100

86 11.6 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.027 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

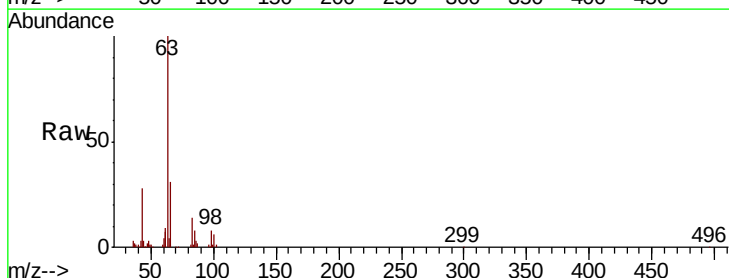
Tgt Ion: 63 Resp: 163222

Ion Ratio Lower Upper

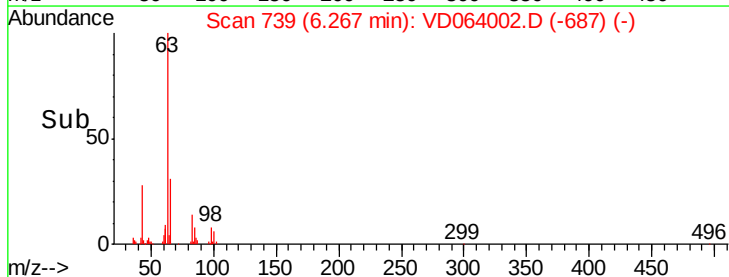
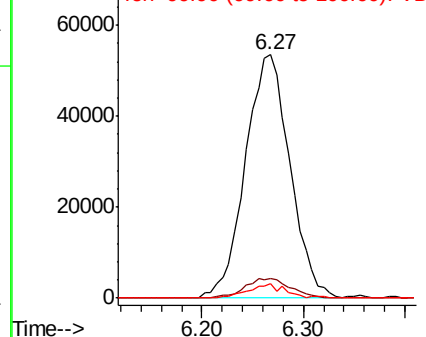
63 100

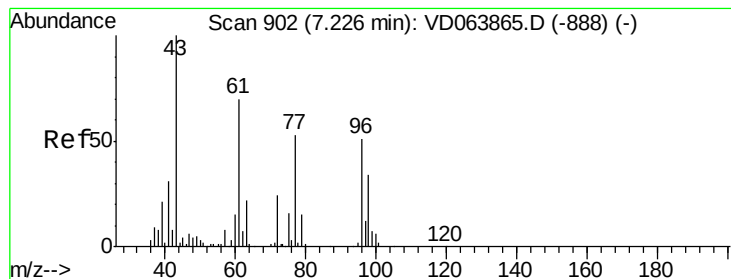
98 8.1 3.1 9.4

100 6.1 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 265.729 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

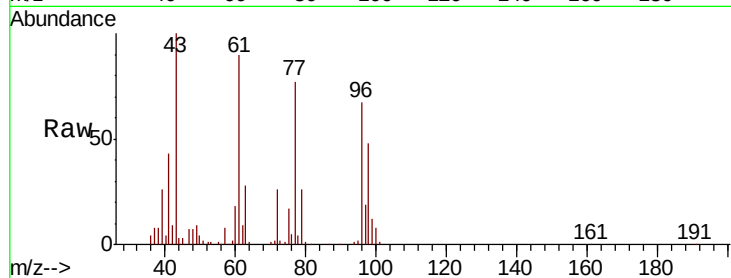
ClientSampled :

Tot Ion: 43 Resp: 142869

Ion Ratio Lower Upper

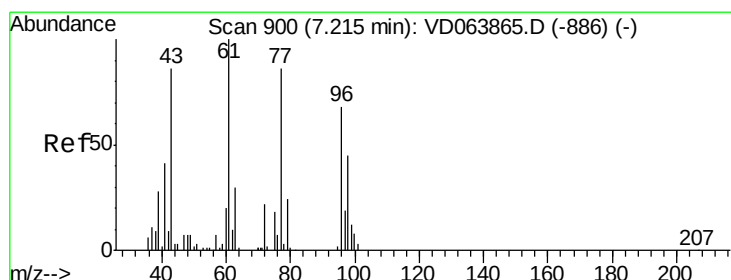
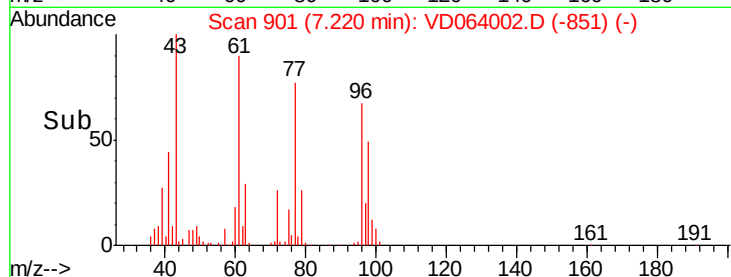
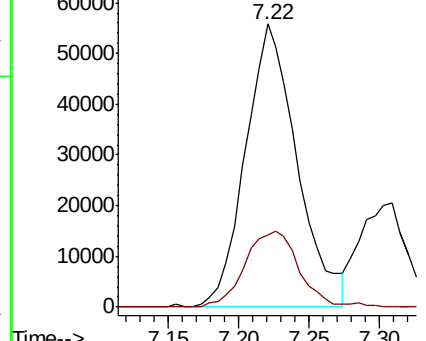
43 100

72 25.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.888 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064002.D

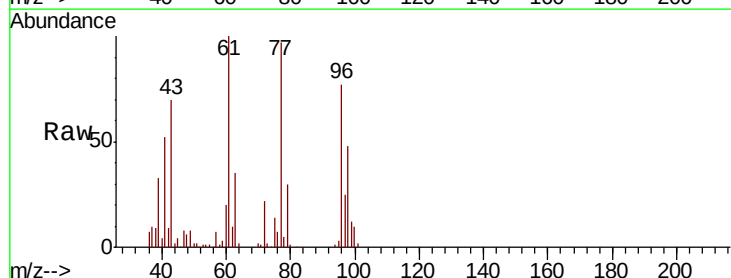
Acq: 18 Oct 2019 10:54

Tgt Ion: 77 Resp: 147255

Ion Ratio Lower Upper

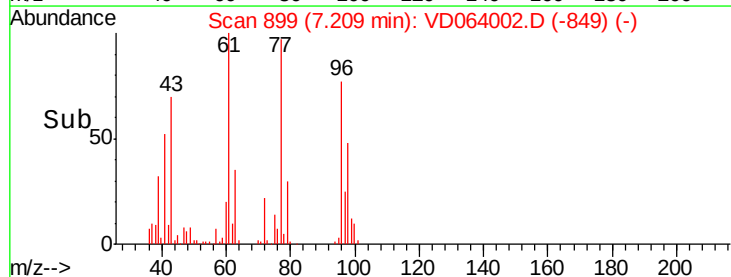
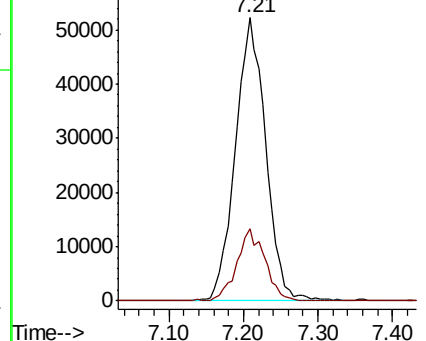
77 100

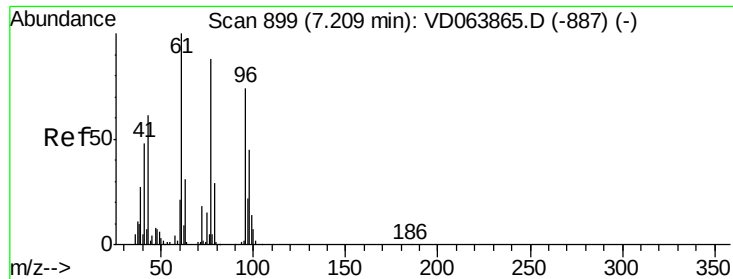
97 23.6 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

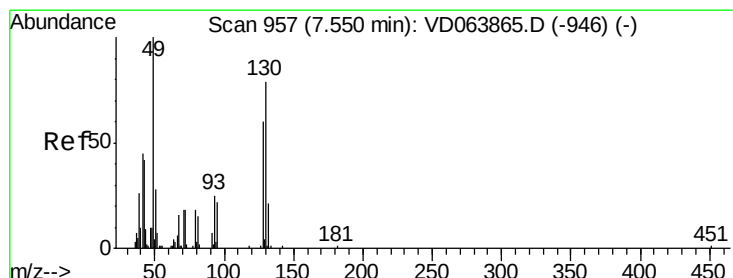
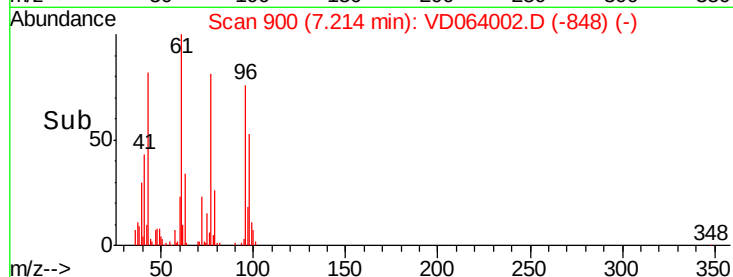
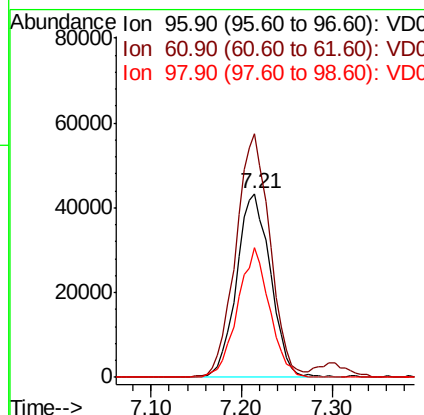
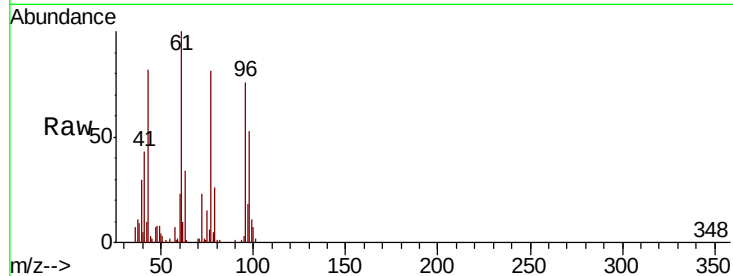




#27
 cis-1,2-Dichloroethene
 Concen: 53.523 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

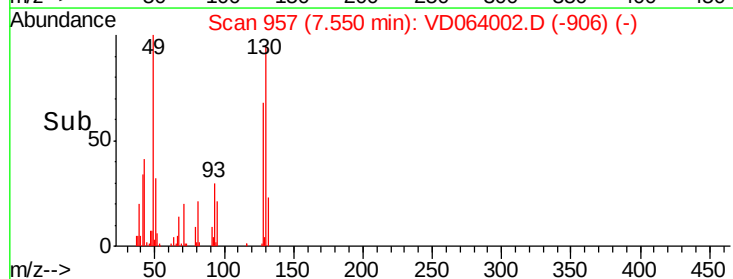
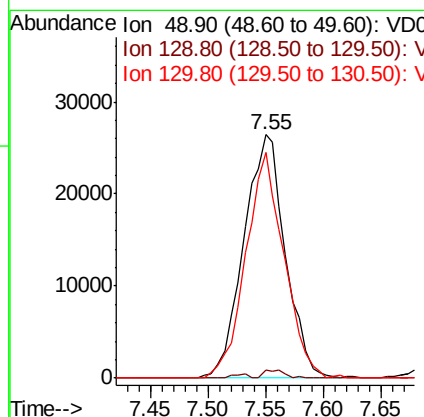
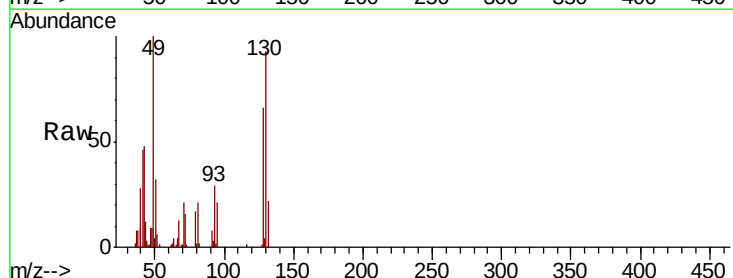
Instrument :
 MSVOA_D
 ClientSampleId :

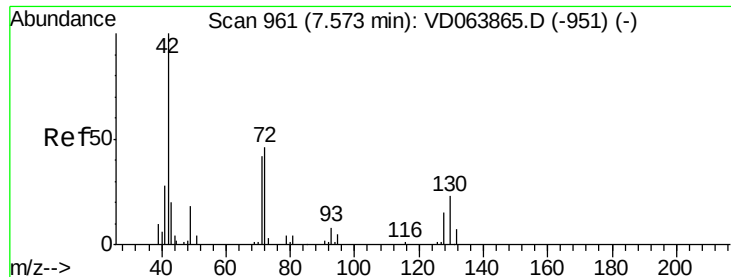
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	280.0
98	66.0	0.0	130.4



#28
 Bromochloromethane
 Concen: 55.050 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.6
130	85.6	66.8	100.2

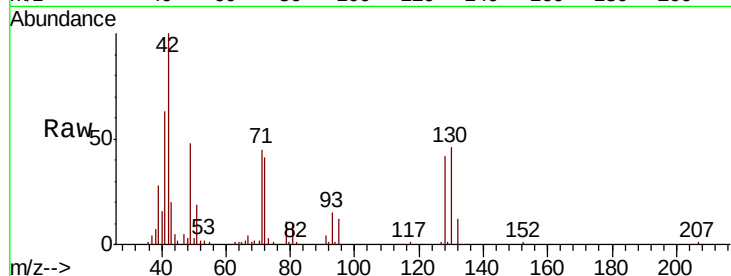




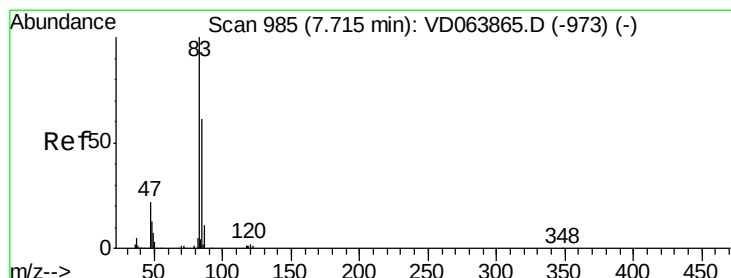
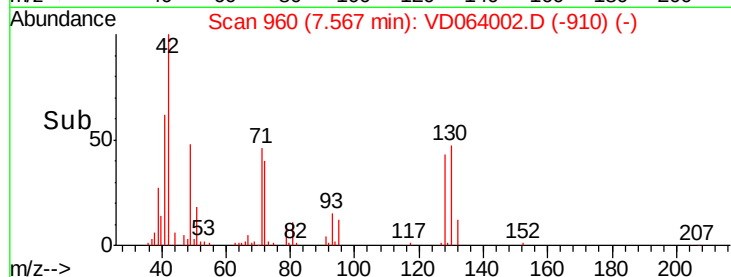
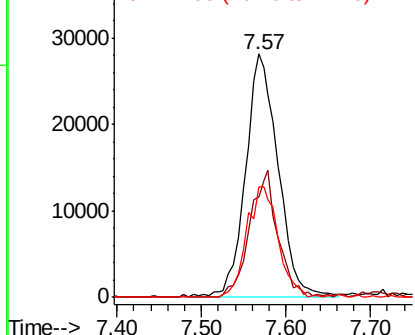
#29
Tetrahydrofuran
Concen: 240.854 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 42 Resp: 75584
Ion Ratio Lower Upper
42 100
72 45.6 37.6 56.4
71 43.7 35.0 52.6

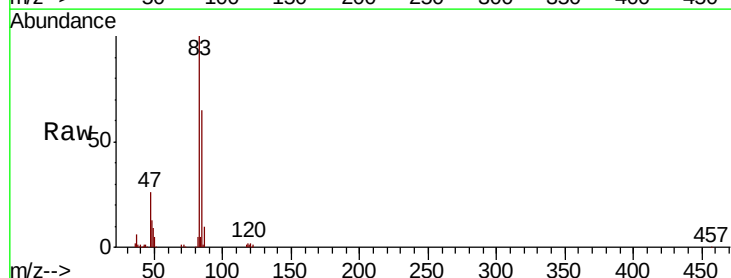


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

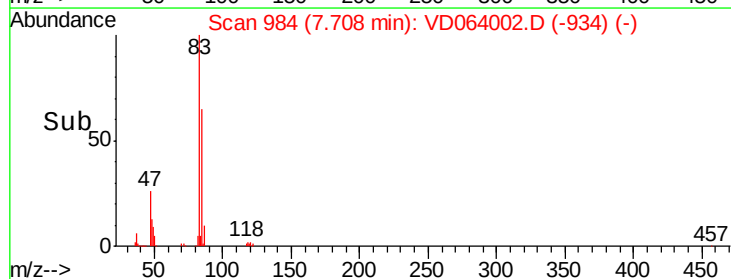
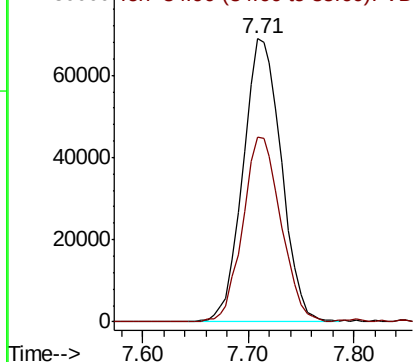


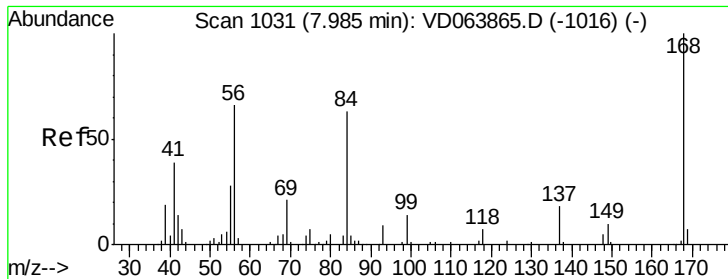
#30
Chloroform
Concen: 50.838 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 83 Resp: 173228
Ion Ratio Lower Upper
83 100
85 65.4 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

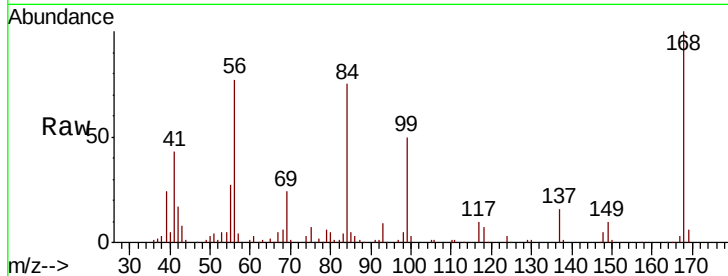




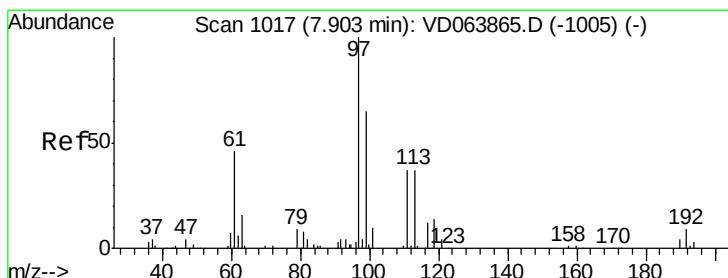
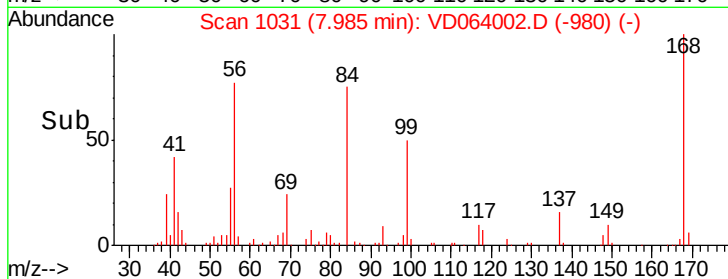
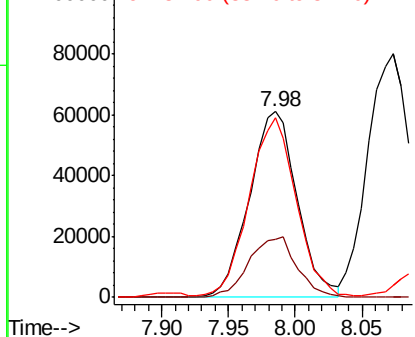
#31
Cyclohexane
Concen: 59.322 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 151940
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.4
84 96.0 76.3 114.5

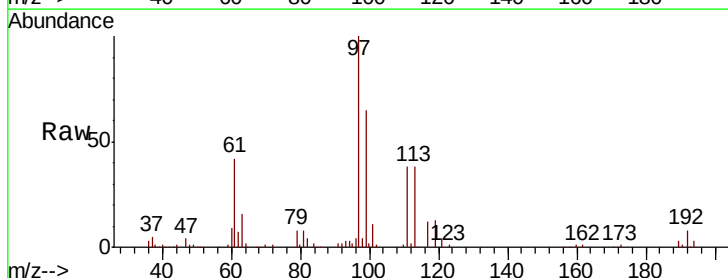


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

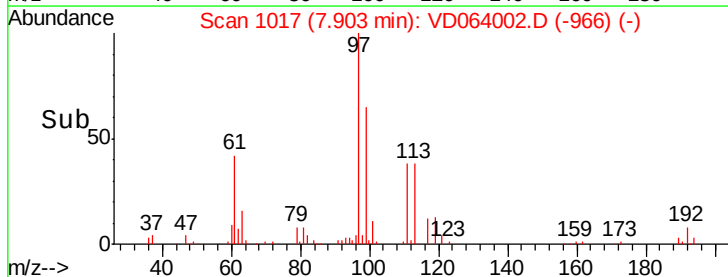
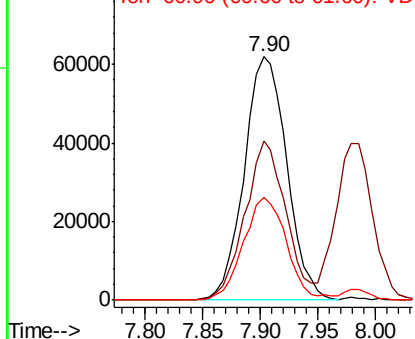


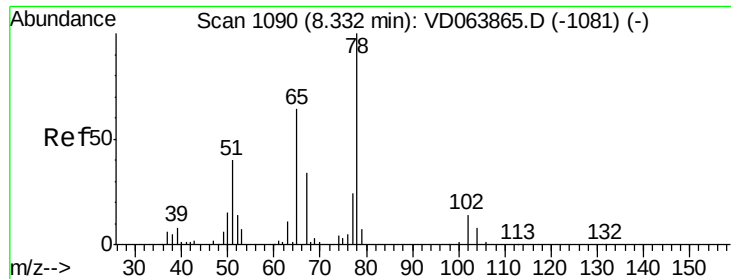
#32
1,1,1-Trichloroethane
Concen: 54.447 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 97 Resp: 159144
Ion Ratio Lower Upper
97 100
99 63.5 52.4 78.6
61 42.1 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

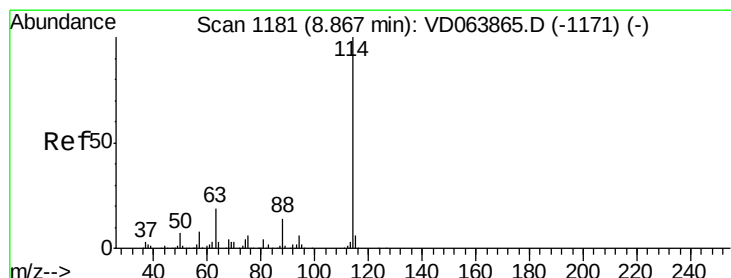
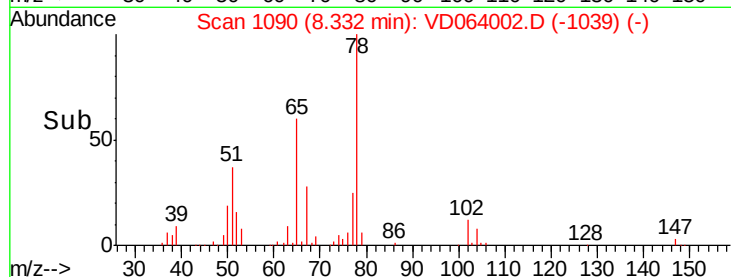
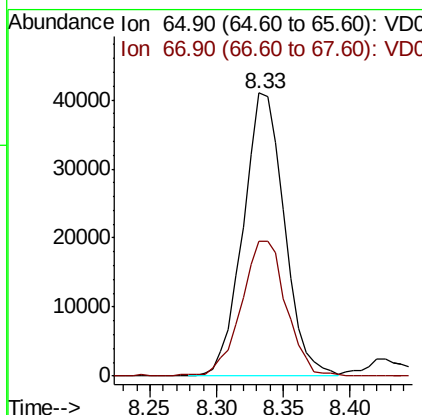
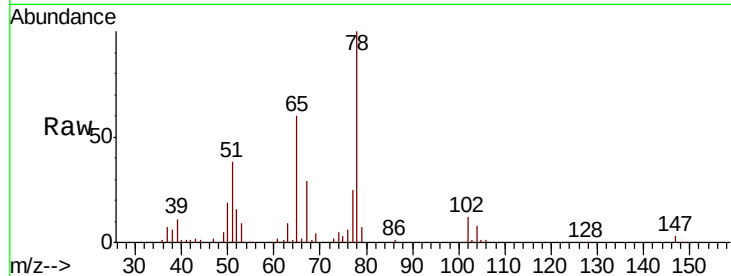




#33
 1,2-Dichloroethane-d4
 Concen: 50.348 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

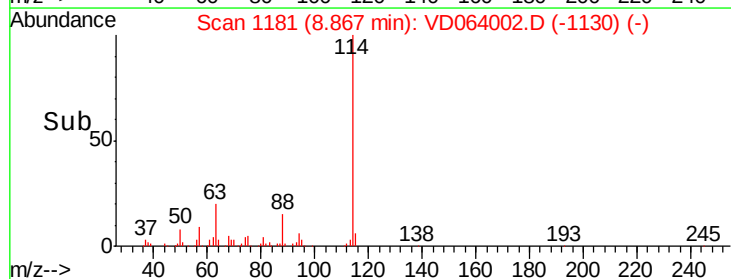
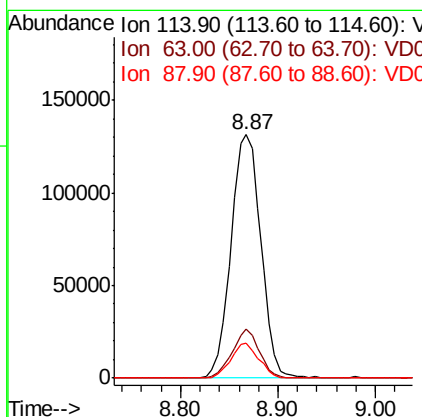
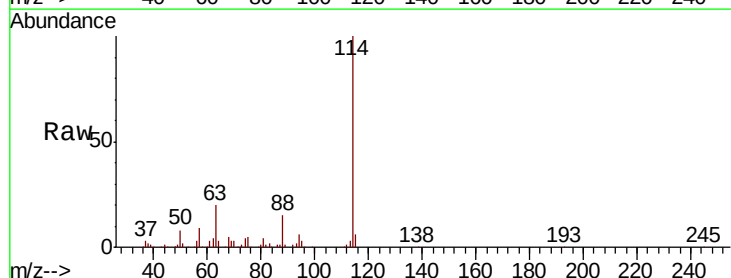
Instrument :
 MSVOA_D
 ClientSampleId :

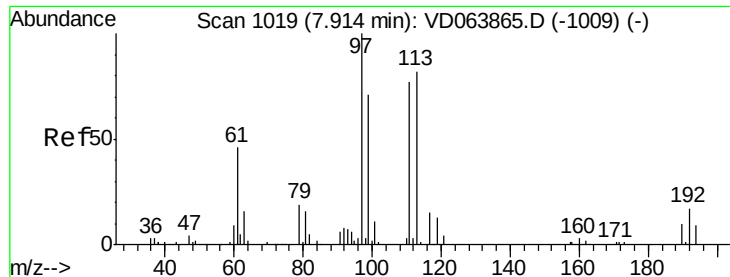
Tot Ion: 65 Resp: 87733
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion: 114 Resp: 279633
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.4
 88 14.5 0.0 27.4

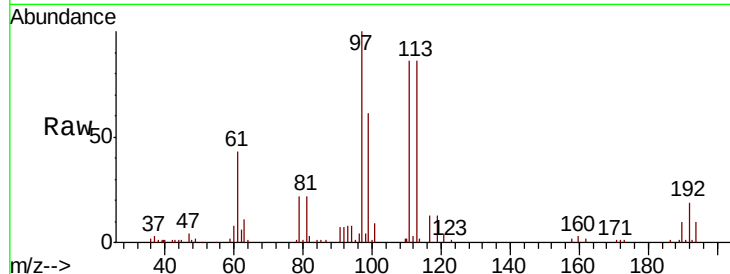




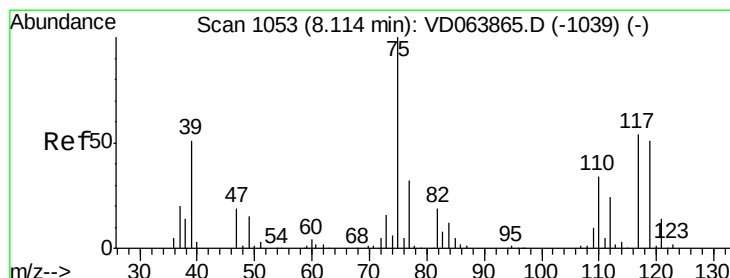
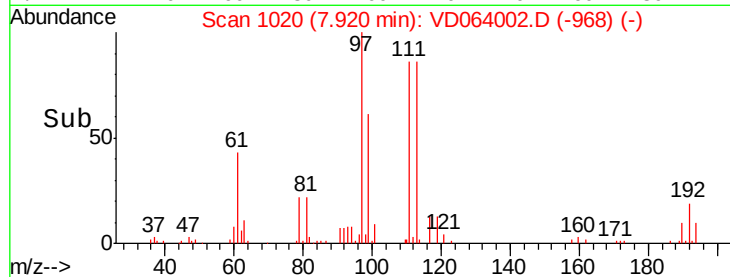
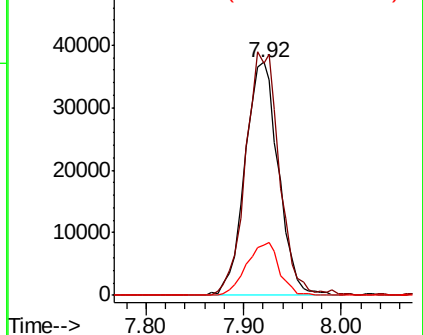
#35
 Dibromofluoromethane
 Concen: 52.509 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 89734
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.6 123.8
 192 22.1 17.1 25.7

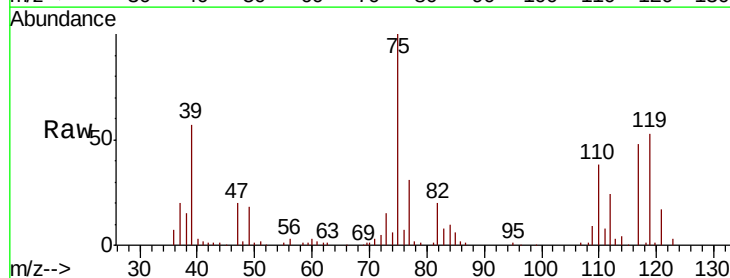


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

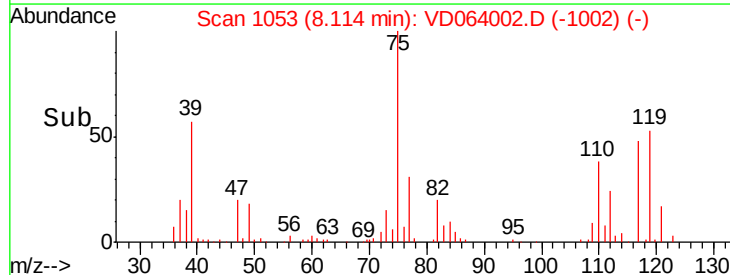
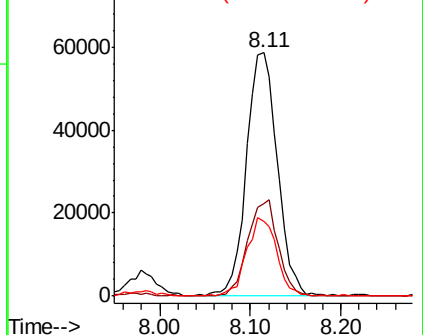


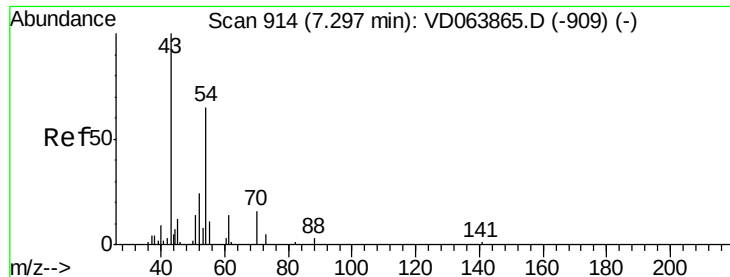
#36
 1,1-Dichloropropene
 Concen: 54.534 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion: 75 Resp: 139430
 Ion Ratio Lower Upper
 75 100
 110 38.7 17.4 52.3
 77 31.4 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

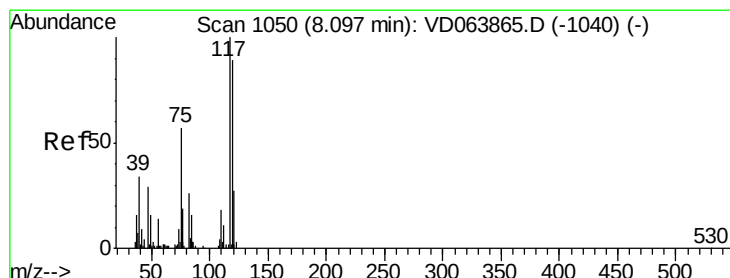
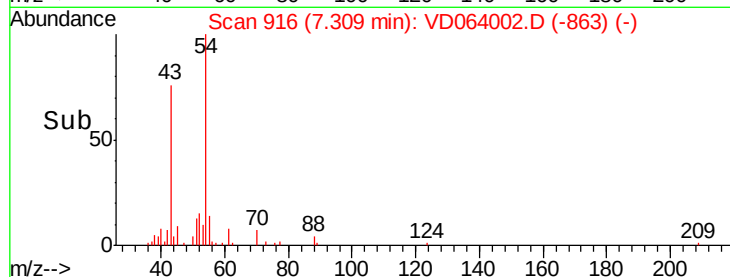
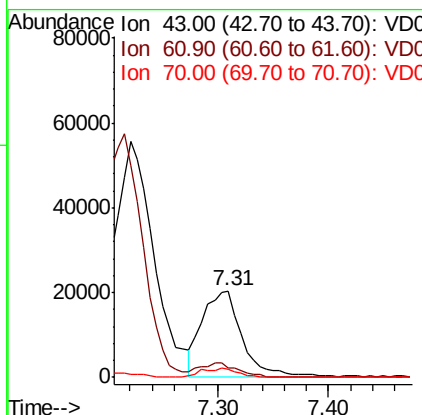
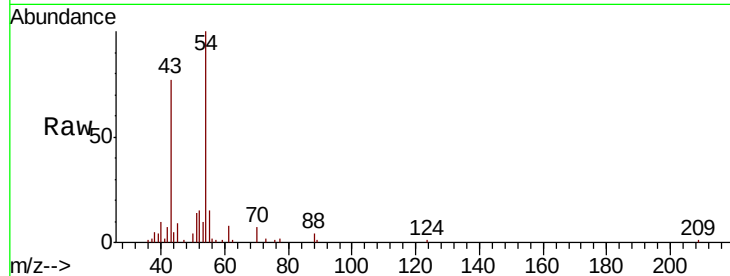




#37
Ethyl Acetate
Concen: 49.233 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

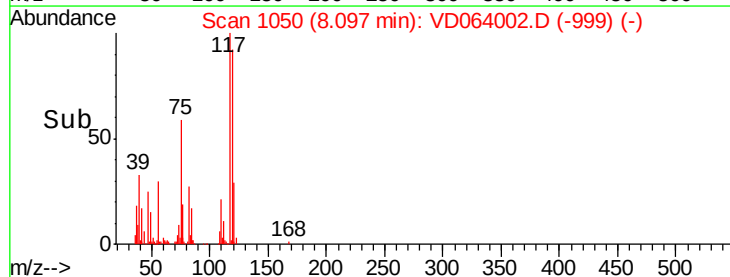
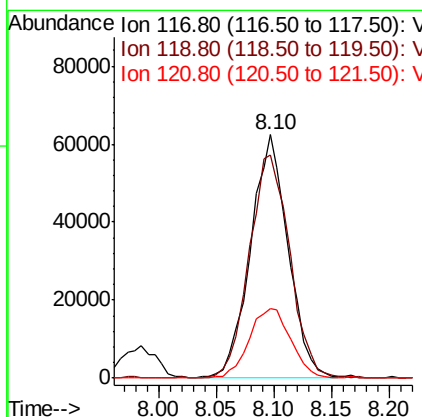
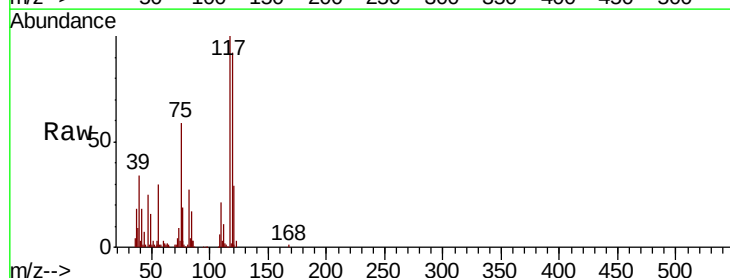
Instrument :
MSVOA_D
ClientSampleId :

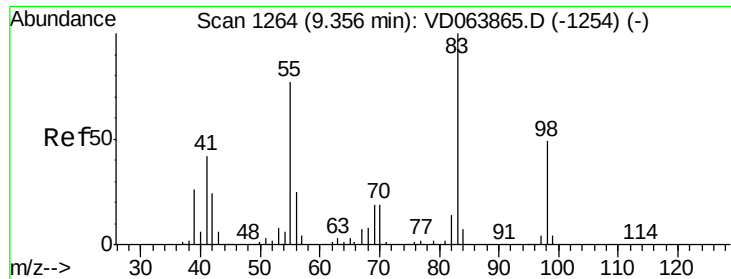
Tot Ion: 43 Resp: 50537
Ion Ratio Lower Upper
43 100
61 16.3 11.5 17.3
70 10.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 54.775 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 117 Resp: 141523
Ion Ratio Lower Upper
117 100
119 91.9 70.8 106.2
121 28.8 21.4 32.0

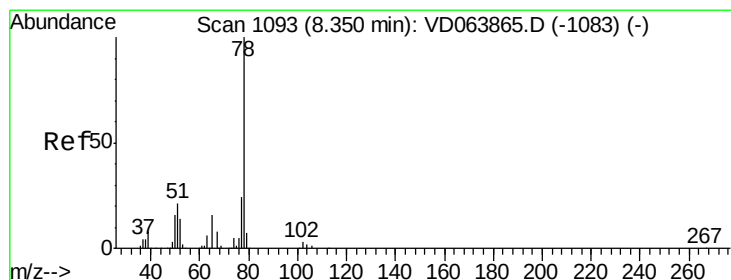
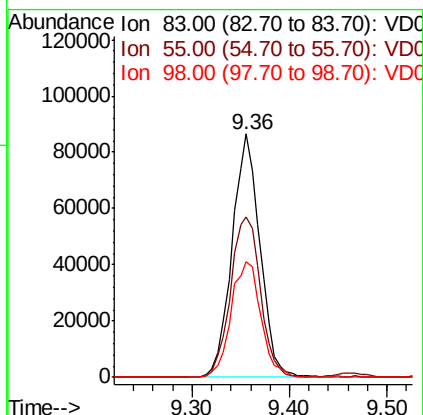
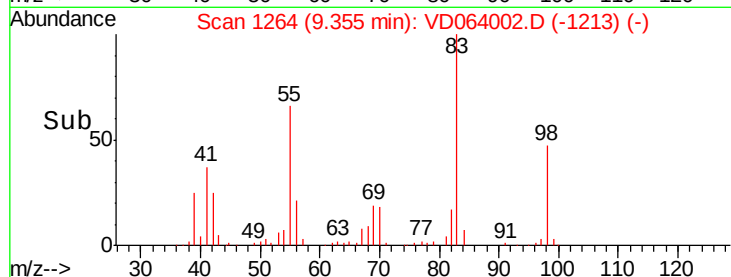
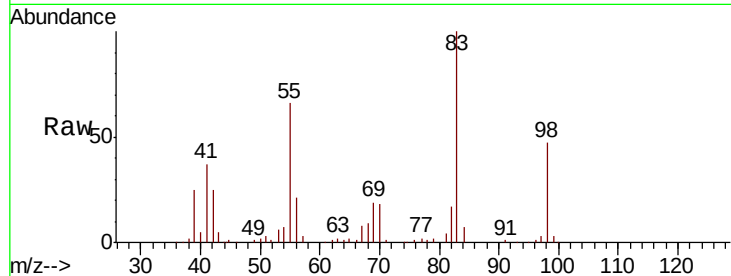




#39
Methylvlcyclohexane
Concen: 54.623 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

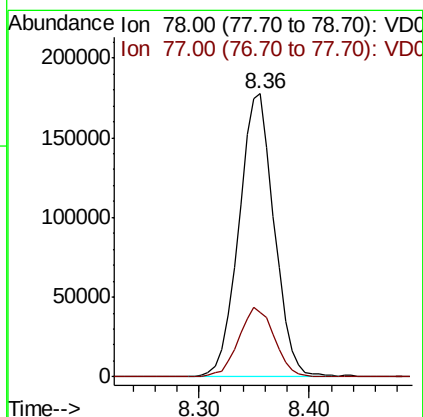
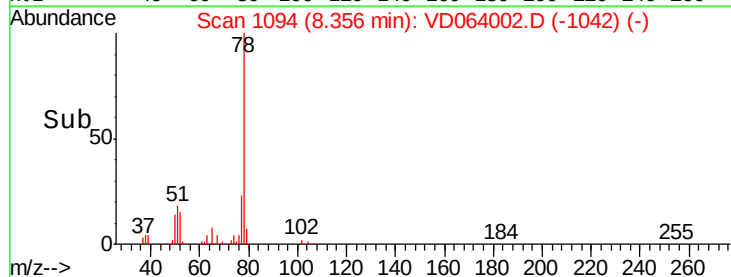
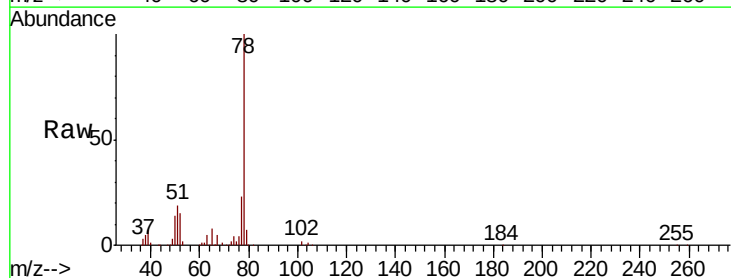
Instrument :
MSVOA_D
ClientSampled :

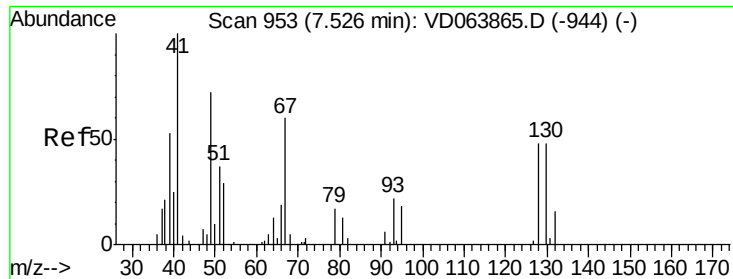
Tot Ion: 83 Resp: 171718
Ion Ratio Lower Upper
83 100
55 66.1 61.3 91.9
98 47.3 39.3 58.9



#40
Benzene
Concen: 54.252 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 78 Resp: 397497
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6





#41

Methacrylonitrile

Concen: 44.700 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 26497

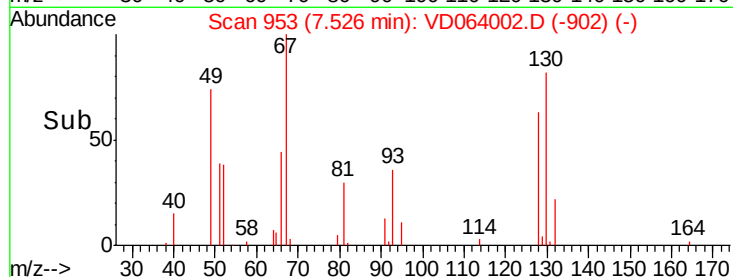
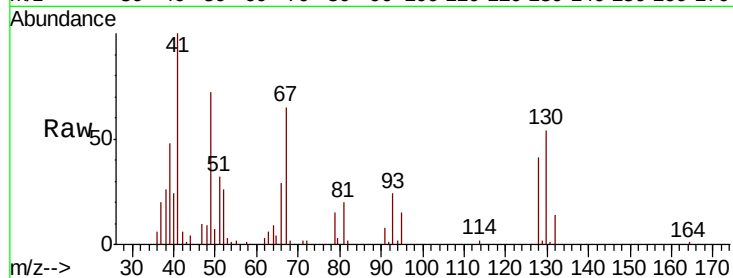
Ion Ratio Lower Upper

41 100

39 73.8 52.6 78.8

67 96.1 74.2 111.2

52 38.4 34.0 51.0

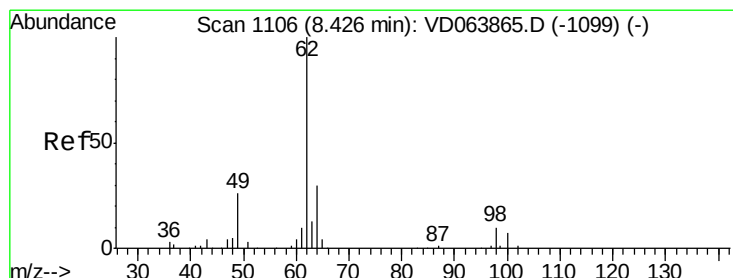
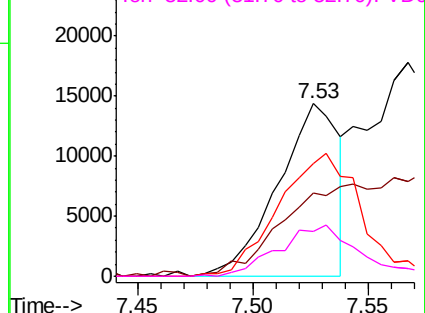


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.998 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD064002.D

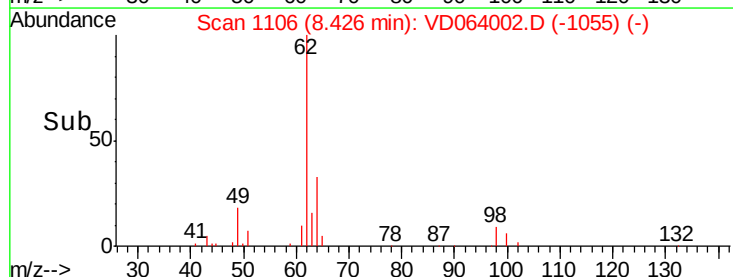
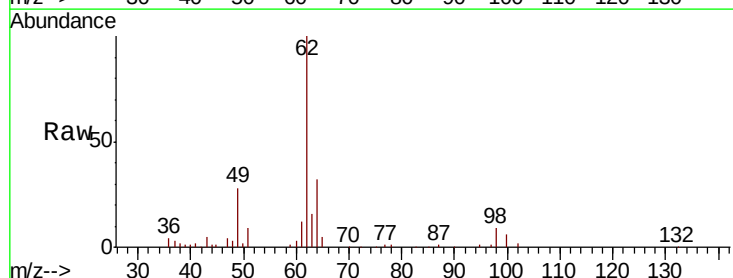
Acq: 18 Oct 2019 10:54

Tgt Ion: 62 Resp: 110205

Ion Ratio Lower Upper

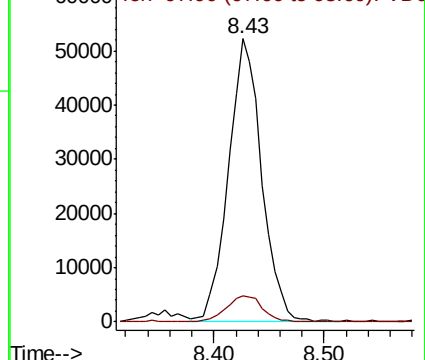
62 100

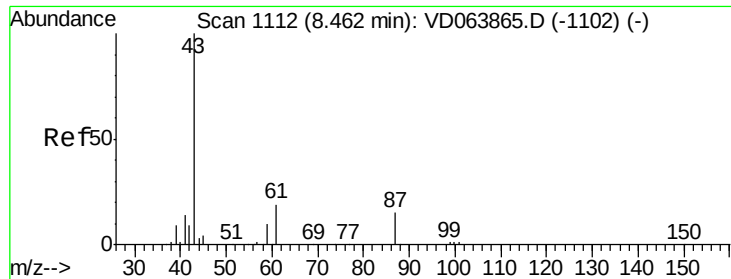
98 9.9 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.723 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

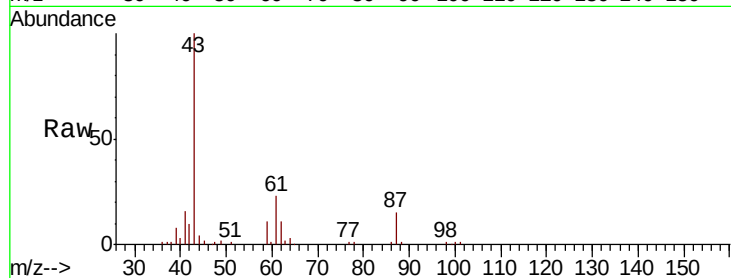
Tot Ion: 43 Resp: 102327

Ion Ratio Lower Upper

43 100

61 30.6 25.7 38.5

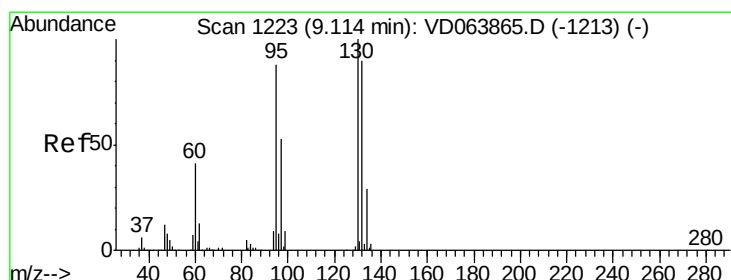
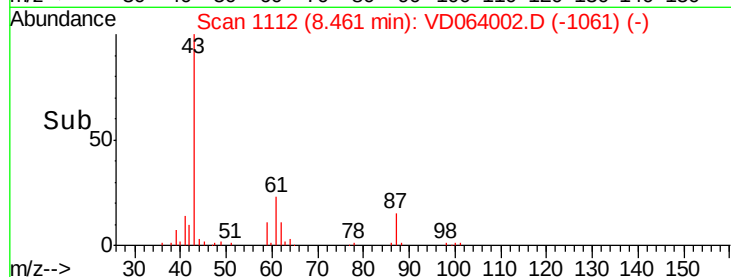
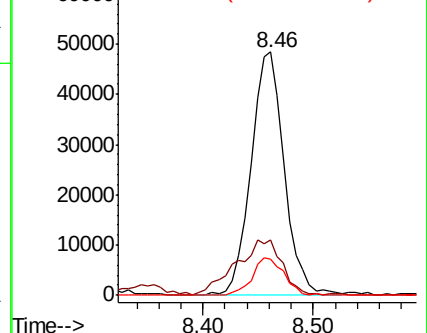
87 14.7 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.880 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064002.D

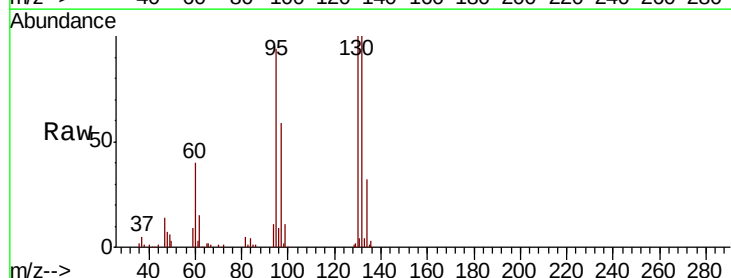
Acq: 18 Oct 2019 10:54

Tgt Ion:130 Resp: 111725

Ion Ratio Lower Upper

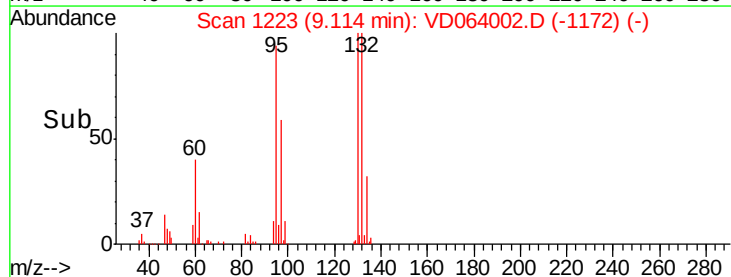
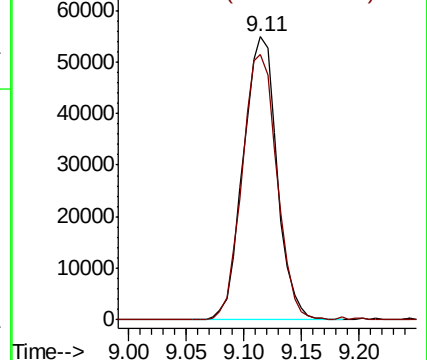
130 100

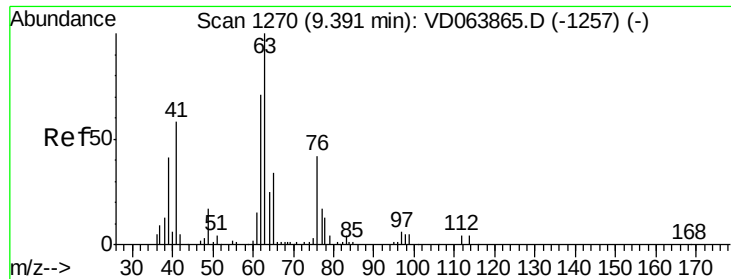
95 93.9 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

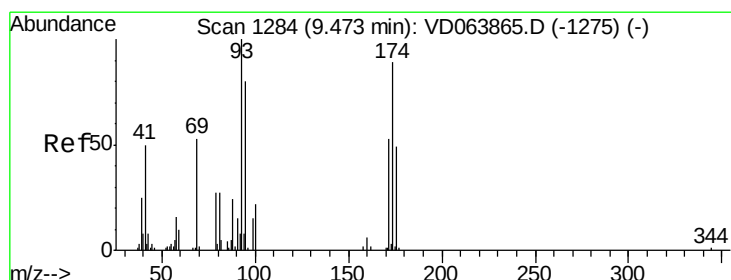
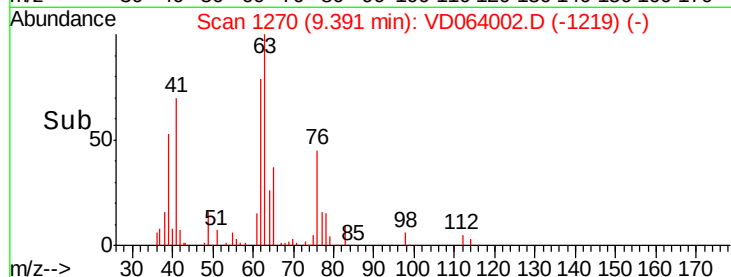
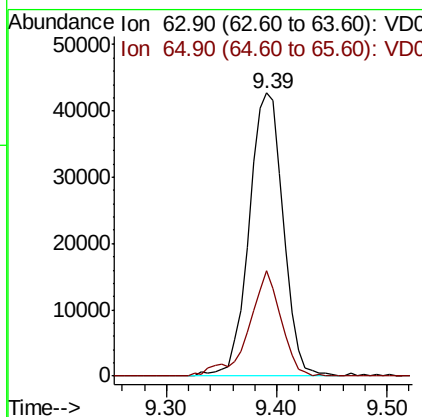
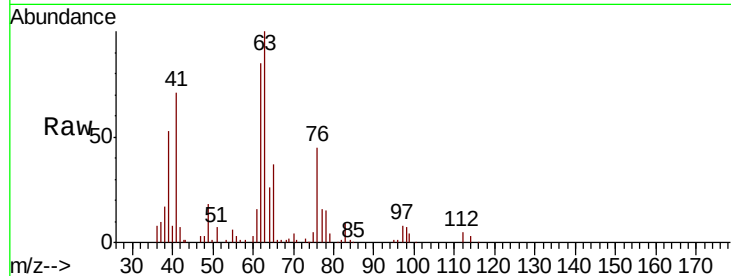




#45
 1,2-Dichloropropane
 Concen: 51.679 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

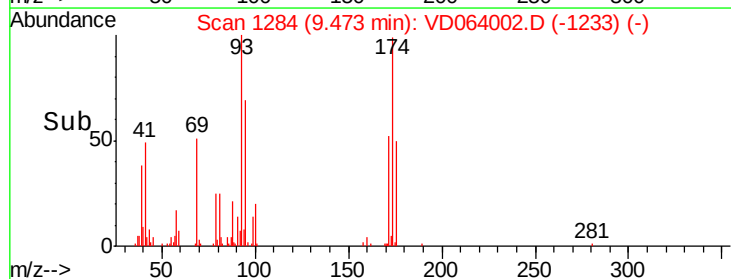
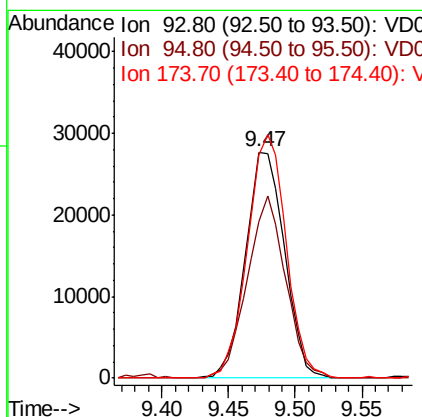
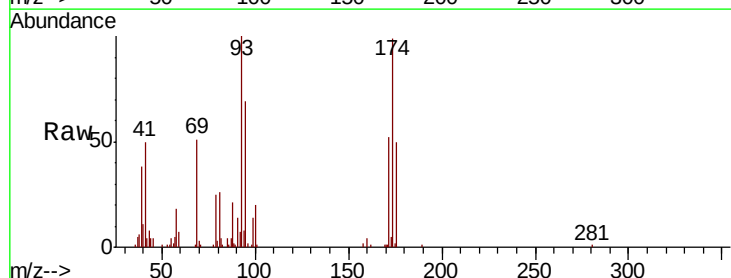
Instrument :
 MSVOA_D
 ClientSampleID :

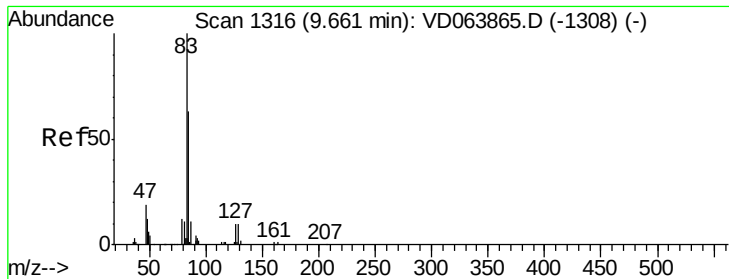
Tot Ion: 63 Resp: 92680
 Ion Ratio Lower Upper
 63 100
 65 37.3 27.3 40.9



#46
 Dibromomethane
 Concen: 54.824 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion: 93 Resp: 55994
 Ion Ratio Lower Upper
 93 100
 95 78.7 66.0 99.0
 174 106.7 83.4 125.0

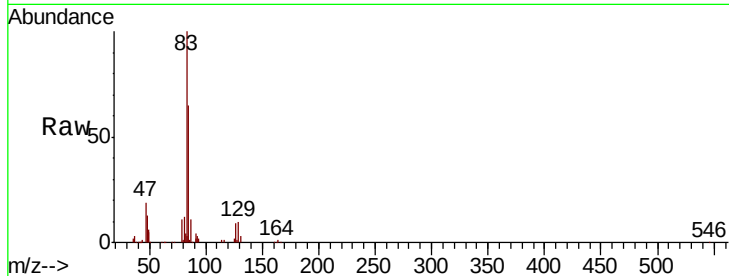




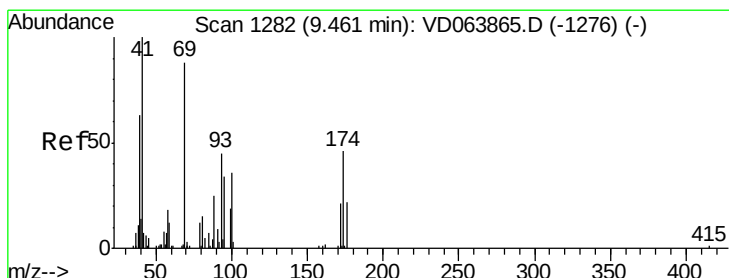
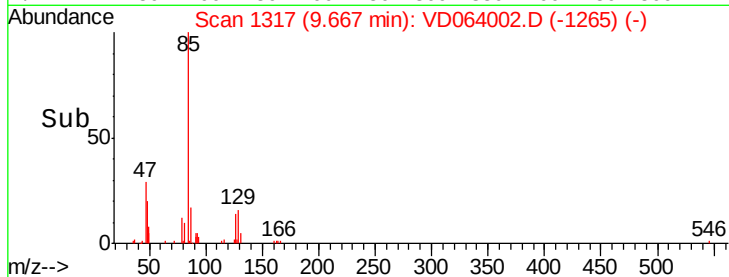
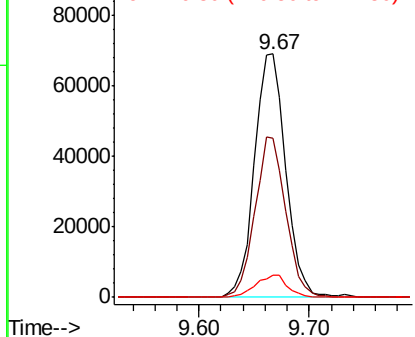
#47
Bromodichloromethane
Concen: 52.178 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 137206
Ion Ratio Lower Upper
83 100
85 65.4 50.2 75.2
127 9.1 7.6 11.4

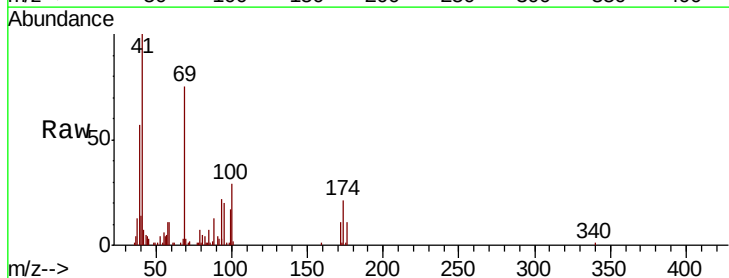


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

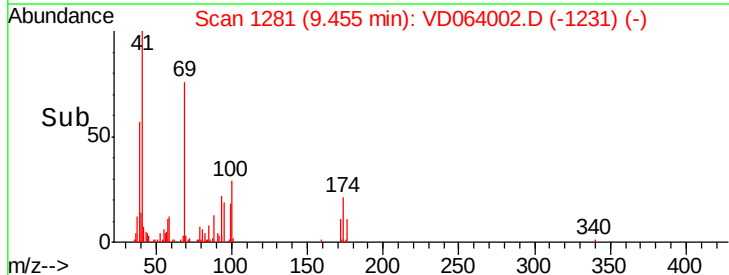
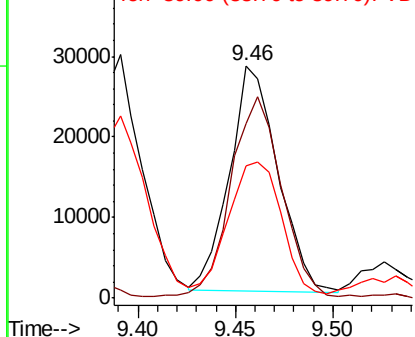


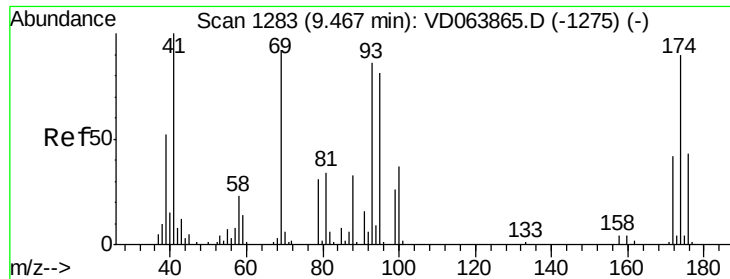
#48
Methyl methacrylate
Concen: 46.603 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 41 Resp: 47878
Ion Ratio Lower Upper
41 100
69 94.4 75.1 112.7
39 64.1 50.2 75.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 992.949 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

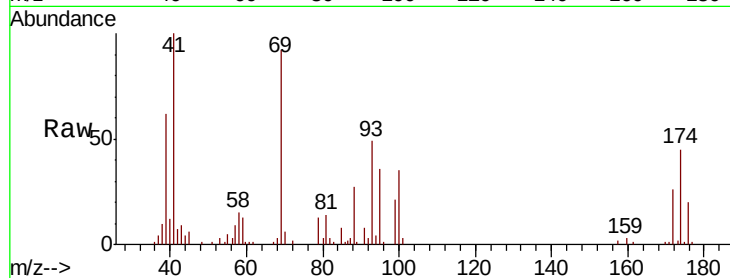
Tot Ion: 88 Resp: 13843

Ion Ratio Lower Upper

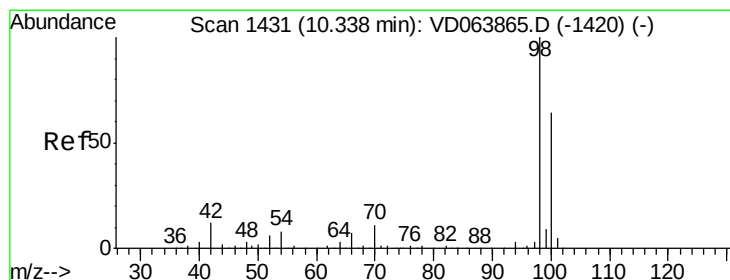
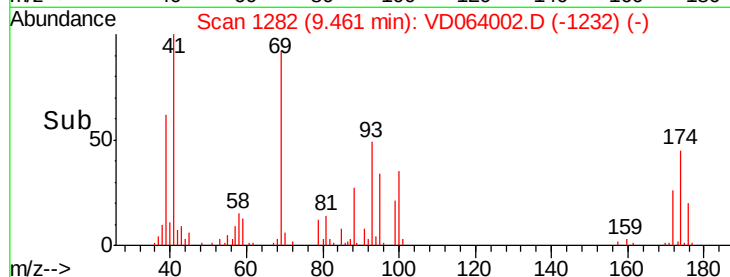
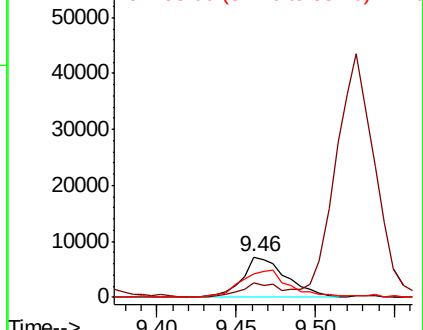
88 100

43 29.9 27.6 41.4

58 74.3 54.1 81.1



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 54.084 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064002.D

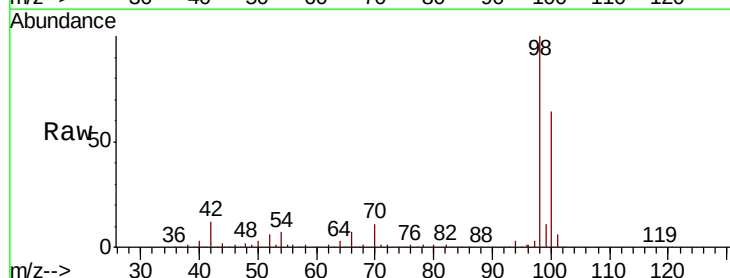
Acq: 18 Oct 2019 10:54

Tgt Ion: 98 Resp: 375138

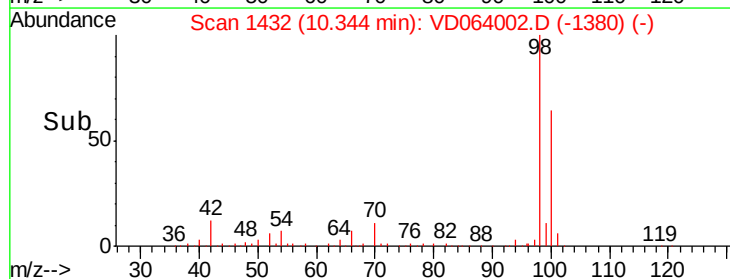
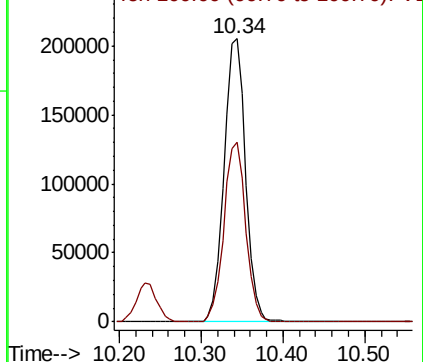
Ion Ratio Lower Upper

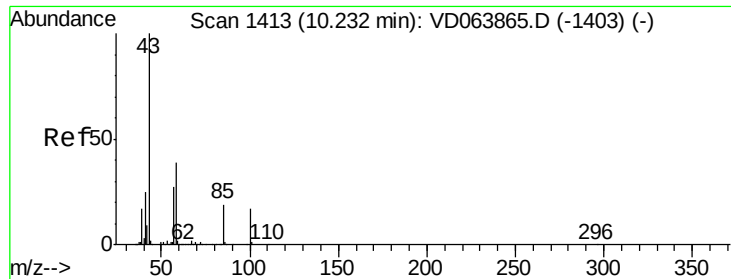
98 100

100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

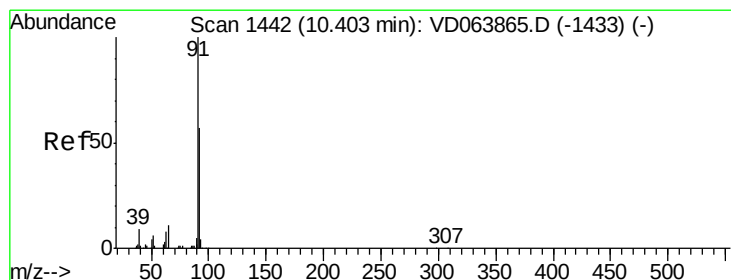
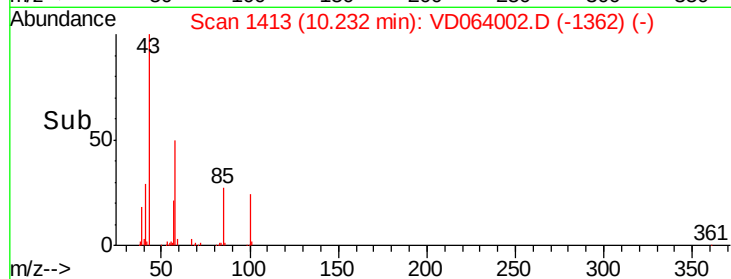
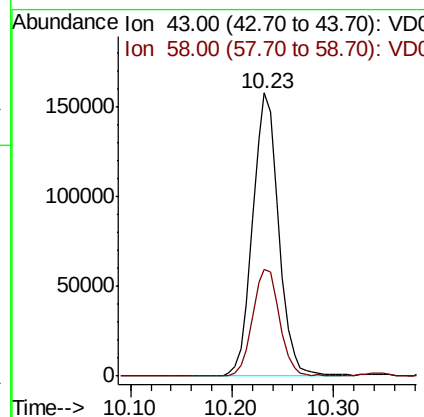
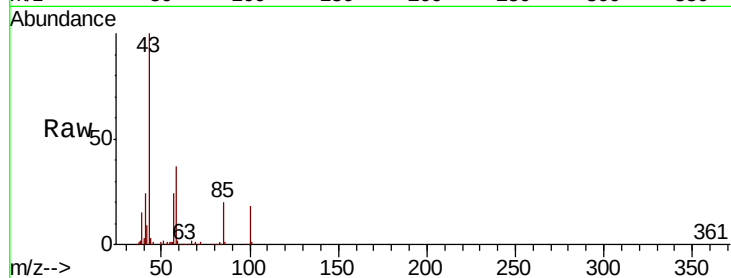




#51
4-Methyl-2-Pentanone
Concen: 252.009 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

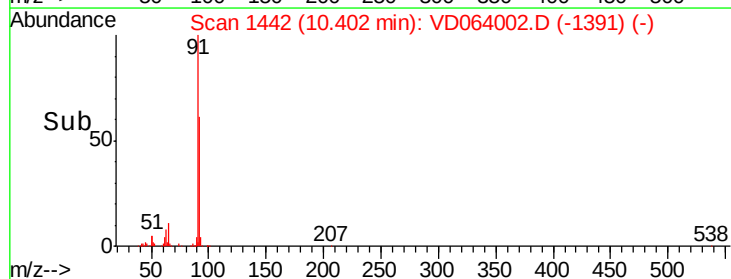
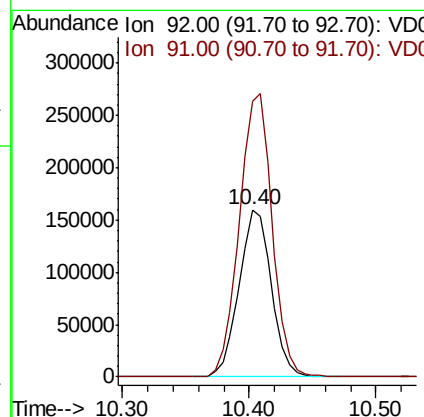
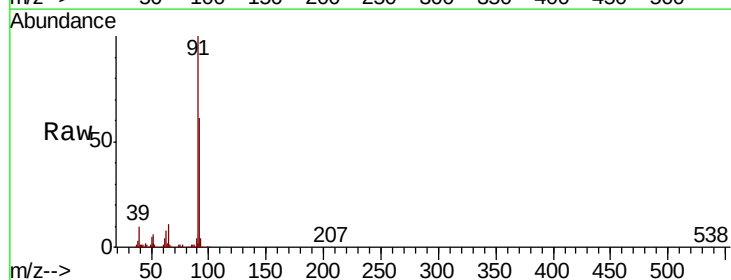
Instrument :
MSVOA_D
ClientSampleId :

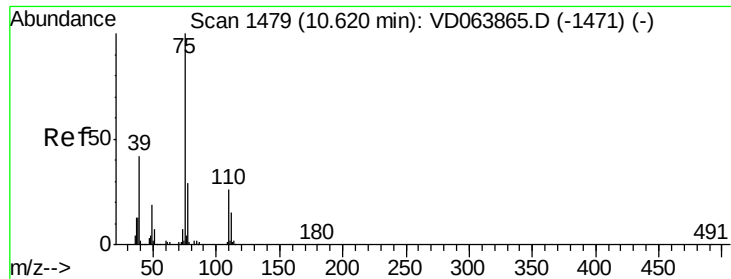
Tot Ion: 43 Resp: 280239
Ion Ratio Lower Upper
43 100
58 39.3 33.0 49.4



#52
Toluene
Concen: 56.142 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 92 Resp: 282380
Ion Ratio Lower Upper
92 100
91 171.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 52.397 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

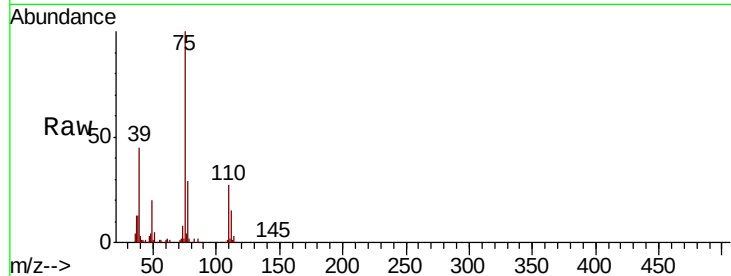
ClientSampleId :

Tot Ion: 75 Resp: 134450

Ion Ratio Lower Upper

75 100

77 29.1 22.8 34.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

80000

60000

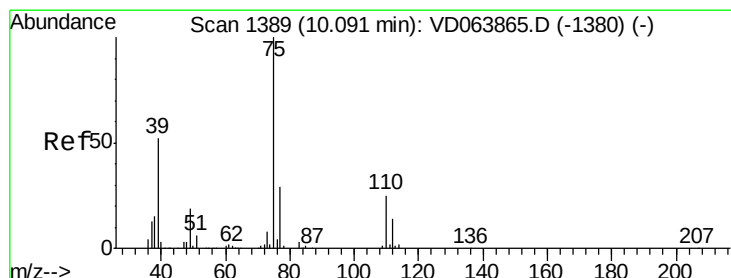
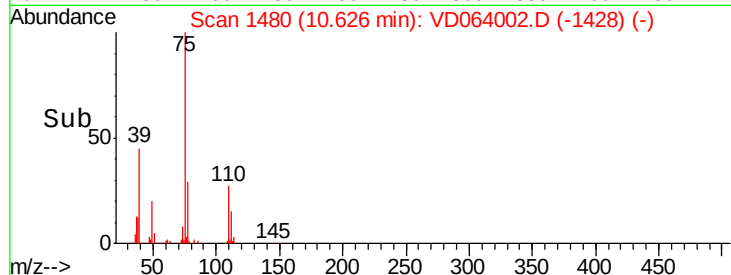
40000

20000

0

10.55 10.60 10.65 10.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.632 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

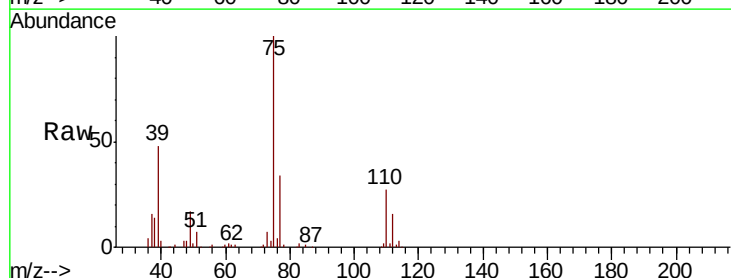
Tgt Ion: 75 Resp: 158414

Ion Ratio Lower Upper

75 100

77 33.8 23.2 34.8

39 47.4 41.5 62.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

100000

80000

60000

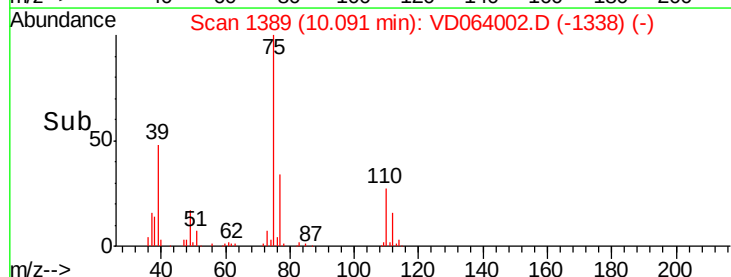
40000

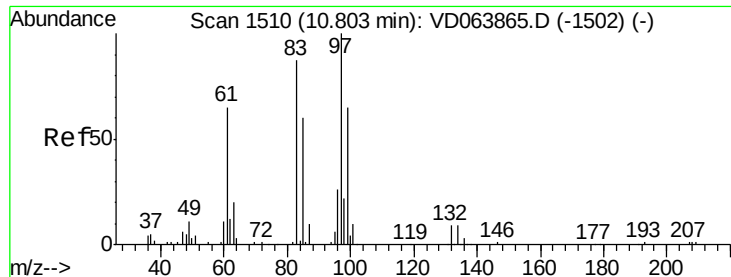
20000

0

10.00 10.10

Time-->

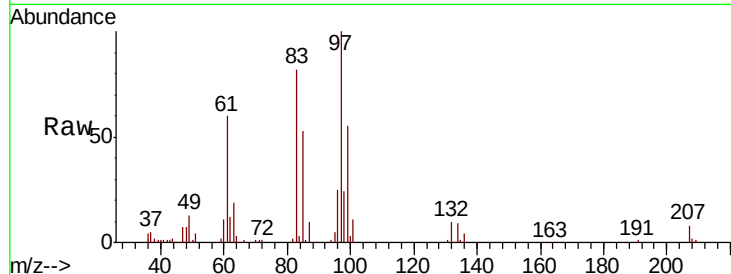




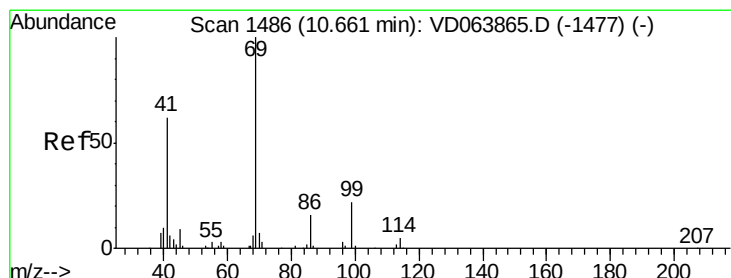
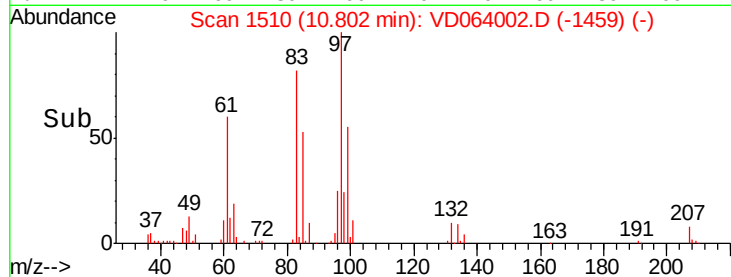
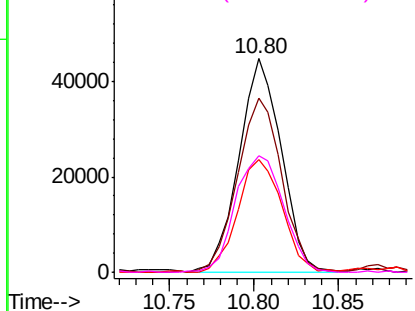
#55
 1,1,2-Trichloroethane
 Concen: 54.293 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	78296
Ion	Ratio	Lower	Upper
97	100		
83	81.7	69.7	104.5
85	53.0	48.1	72.1
99	54.7	51.9	77.9

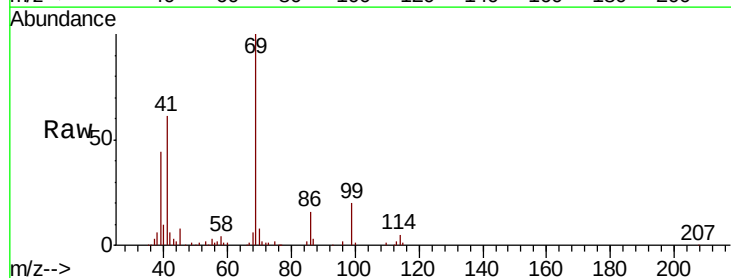


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

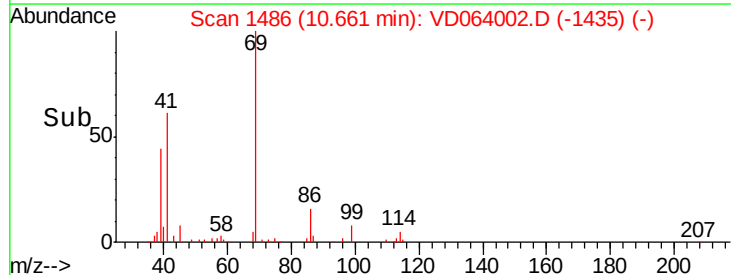
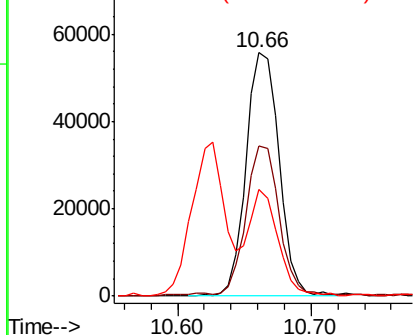


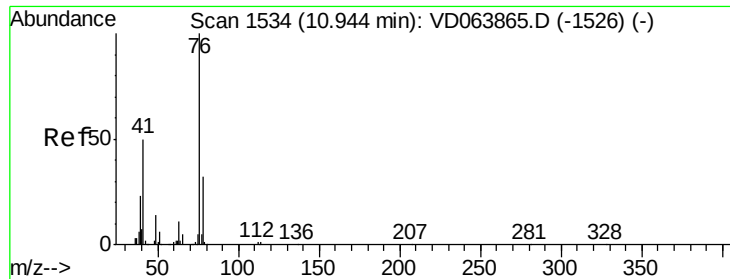
#56
 Ethyl methacrylate
 Concen: 52.046 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion:	69	Resp:	95046
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.3	76.9
39	39.5	28.0	42.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC

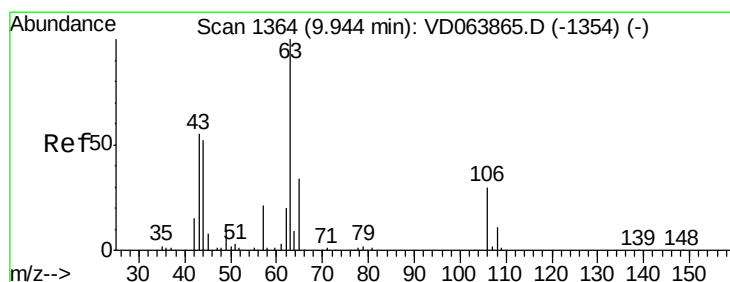
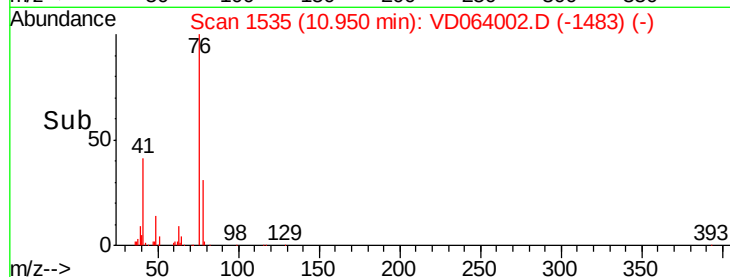
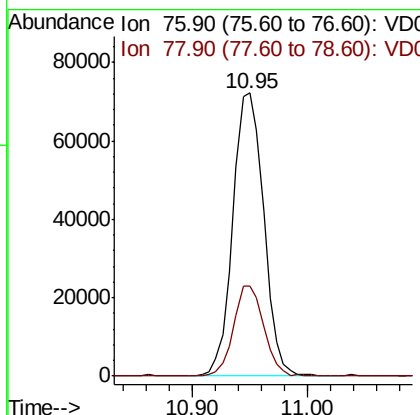
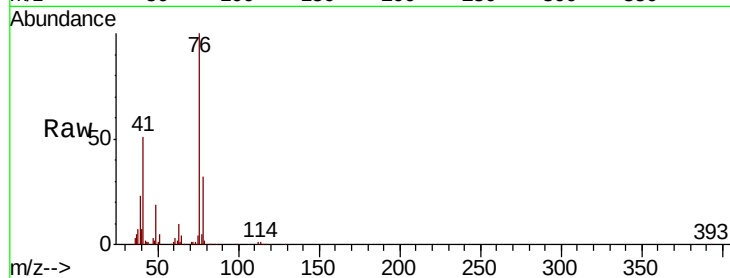




#57
 1,3-Dichloropropane
 Concen: 54.232 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

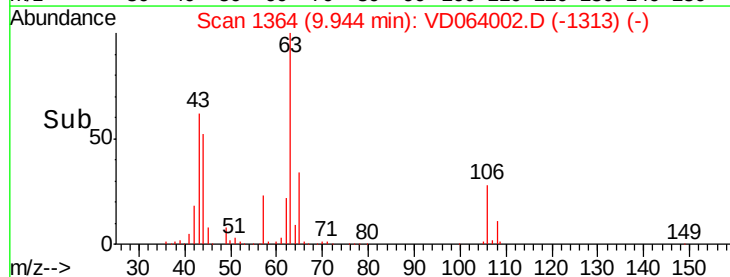
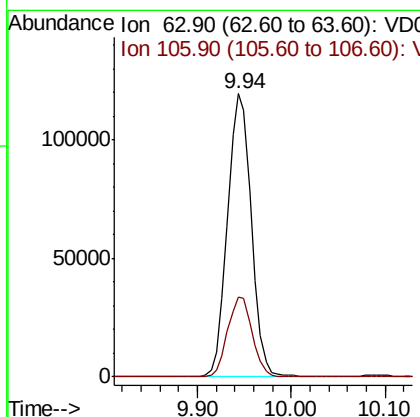
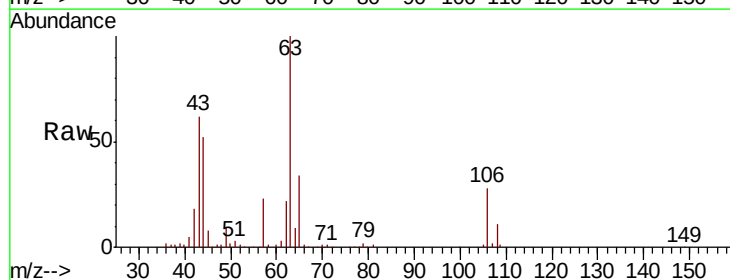
Instrument :
 MSVOA_D
 ClientSampleId :

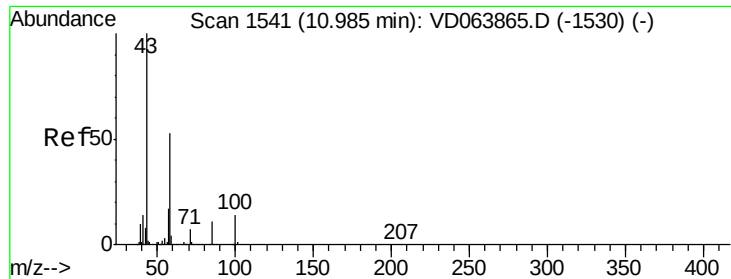
Tot Ion: 76 Resp: 133809
 Ion Ratio Lower Upper
 76 100
 78 31.1 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.630 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion: 63 Resp: 210082
 Ion Ratio Lower Upper
 63 100
 106 29.2 24.3 36.5

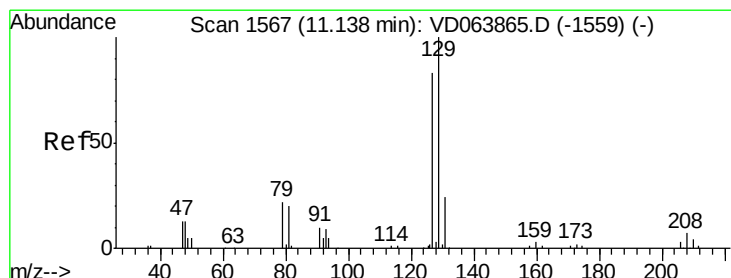
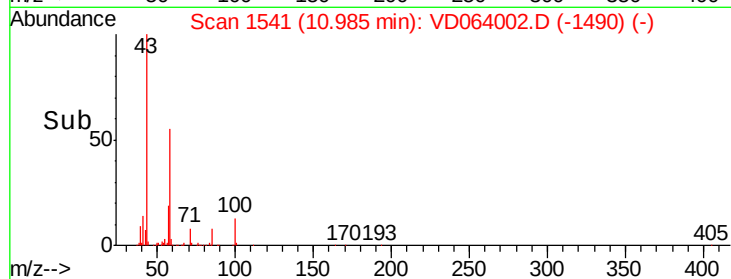
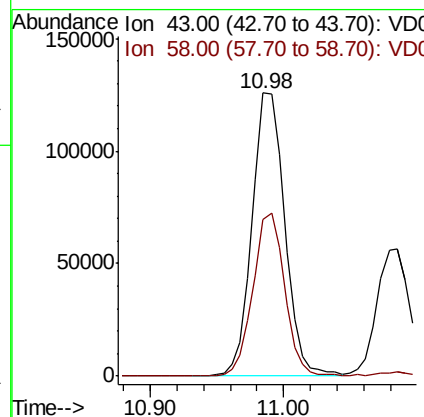
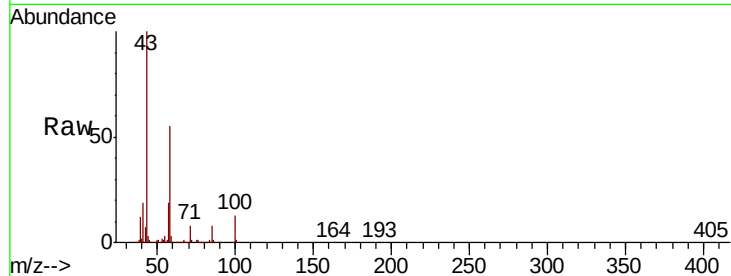




#59
2-Hexanone
Concen: 264.949 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

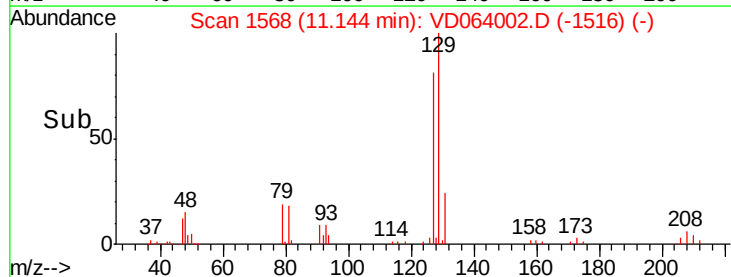
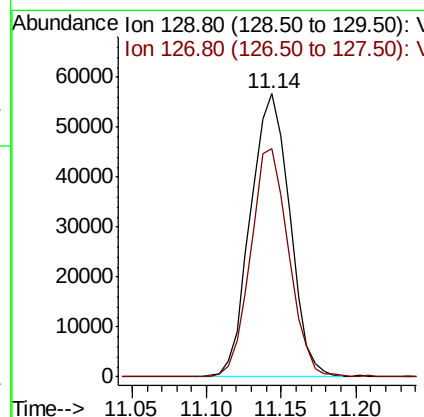
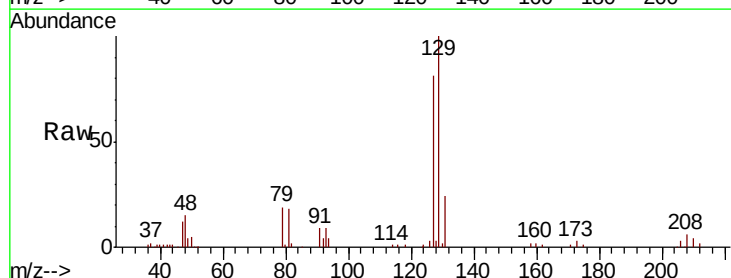
Instrument :
MSVOA_D
ClientSampleId :

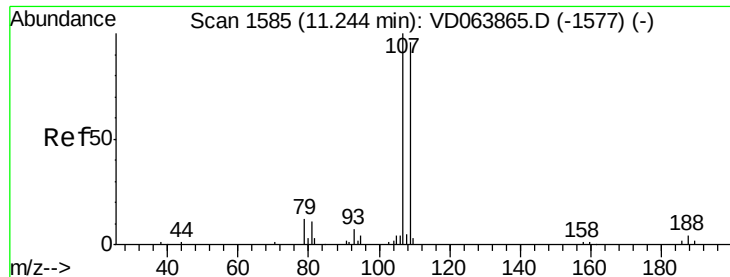
Tot Ion: 43 Resp: 213126
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.0



#60
Dibromochloromethane
Concen: 54.917 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 129 Resp: 103105
Ion Ratio Lower Upper
129 100
127 78.0 39.9 119.6





#61

1,2-Dibromoethane

Concen: 55.417 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

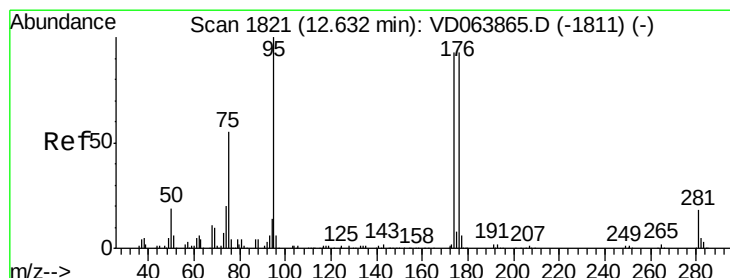
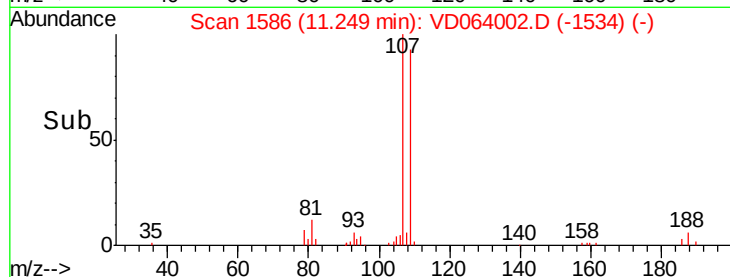
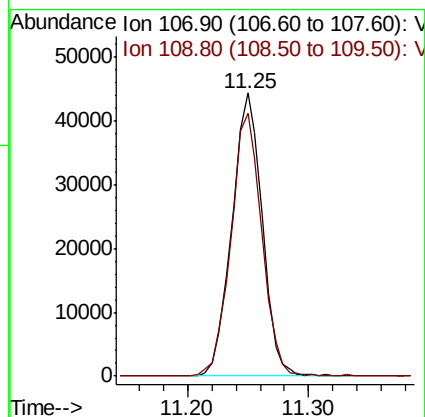
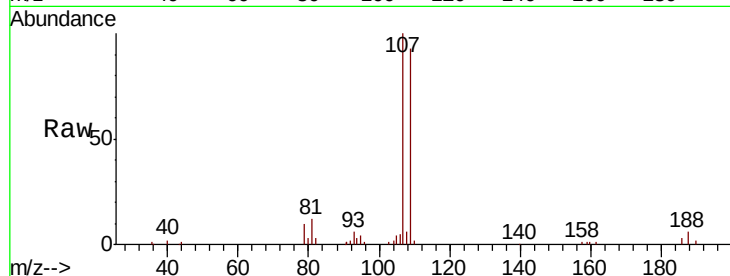
ClientSampleId :

Tot Ion:107 Resp: 77476

Ion Ratio Lower Upper

107 100

109 94.6 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 53.202 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

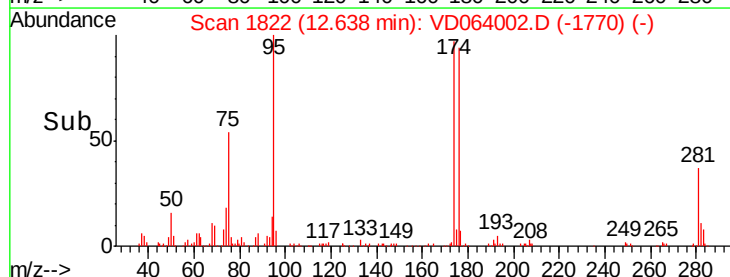
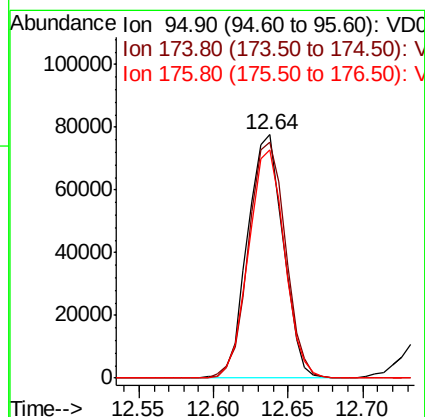
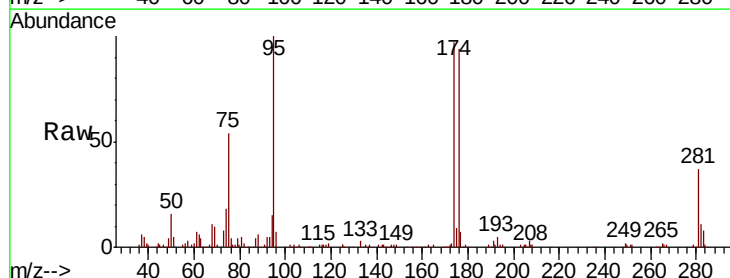
Tgt Ion: 95 Resp: 128234

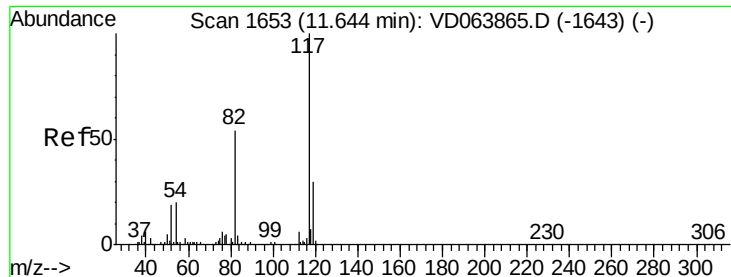
Ion Ratio Lower Upper

95 100

174 100.2 0.0 186.4

176 94.5 0.0 184.2

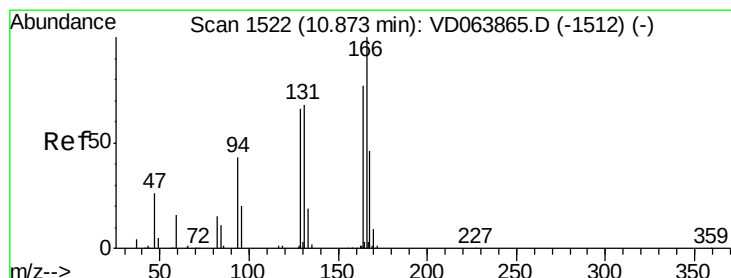
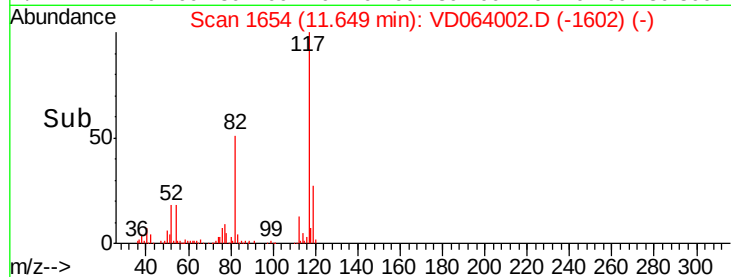
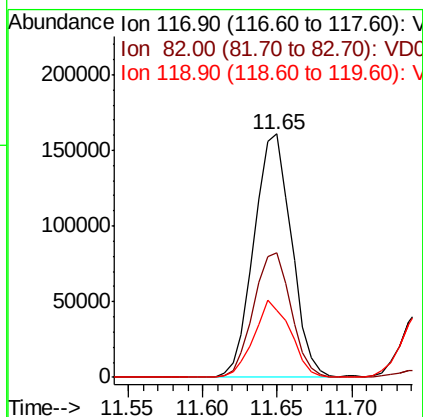
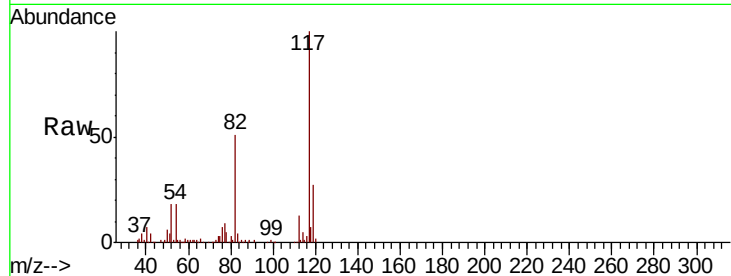




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

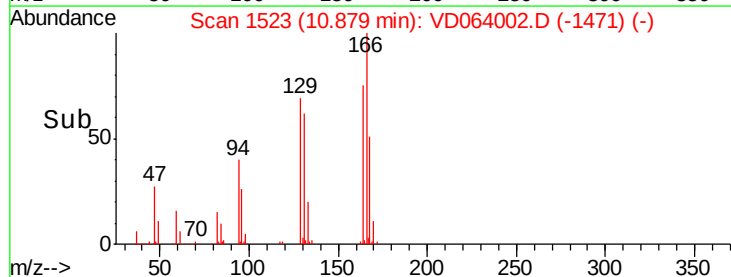
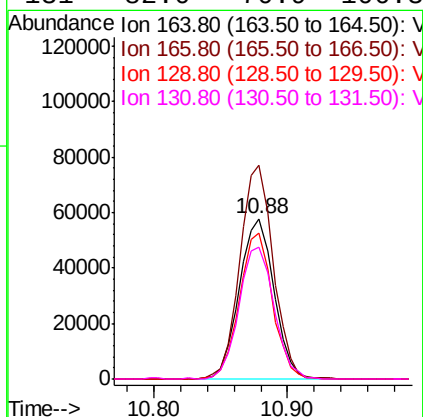
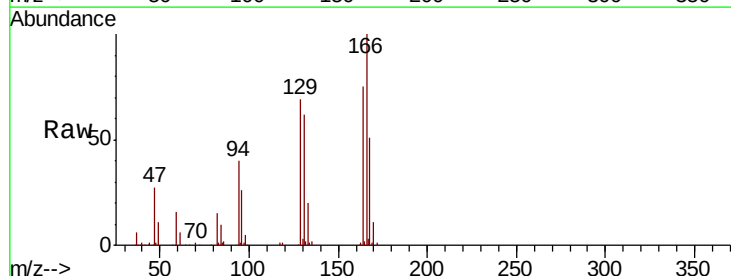
Instrument :
MSVOA_D
ClientSampleId :

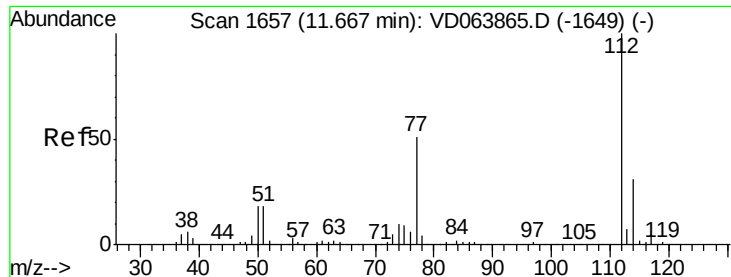
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.8	64.2
119	27.3	24.4	36.6



#64
Tetrachloroethene
Concen: 54.270 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	103.8	155.6
129	91.2	68.9	103.3
131	82.0	70.9	106.3

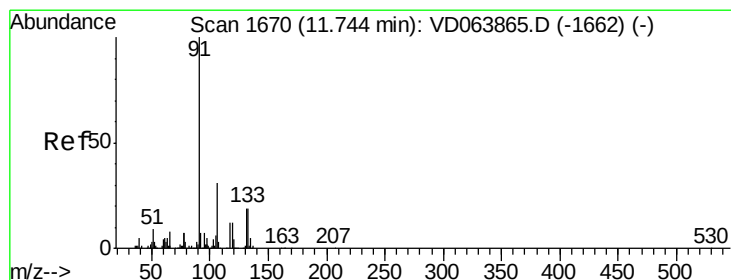
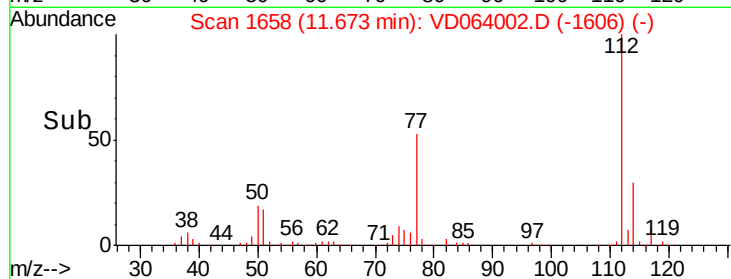
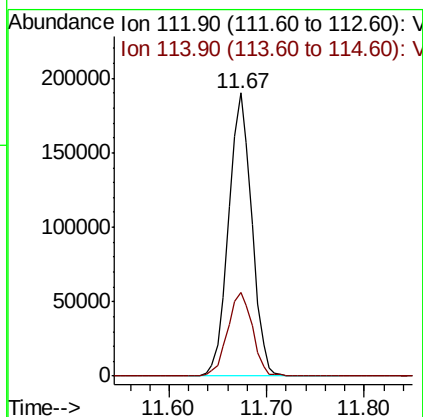
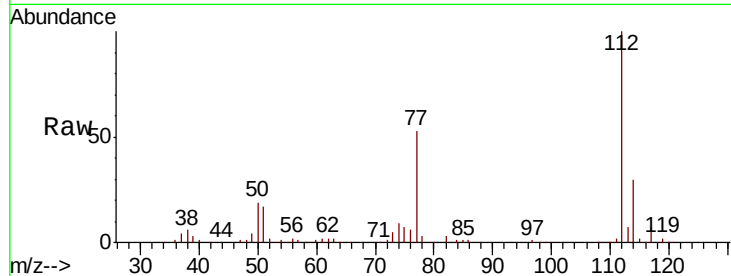




#65
Chlorobenzene
Concen: 55.595 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

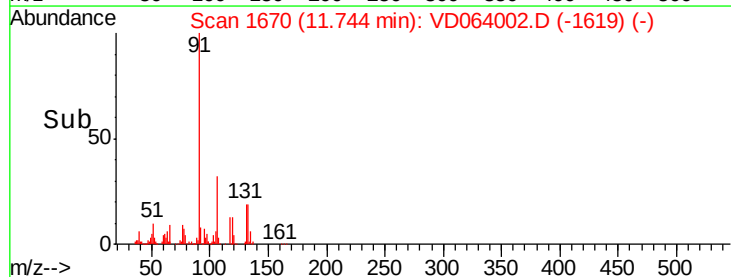
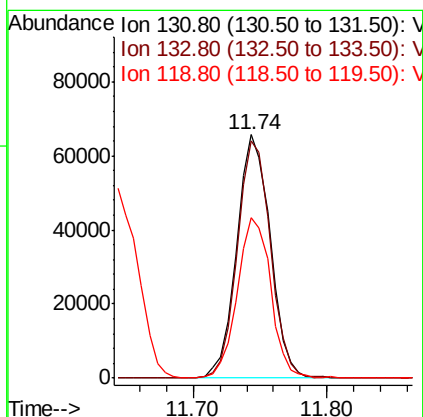
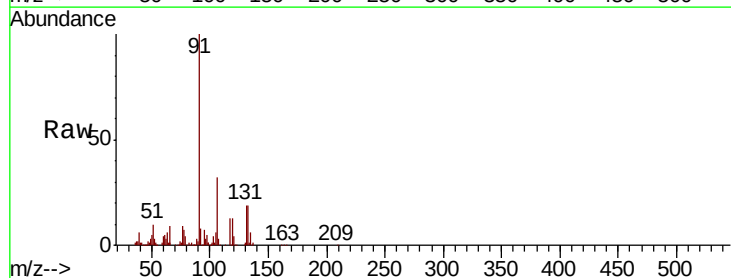
Instrument :
MSVOA_D
ClientSampleId :

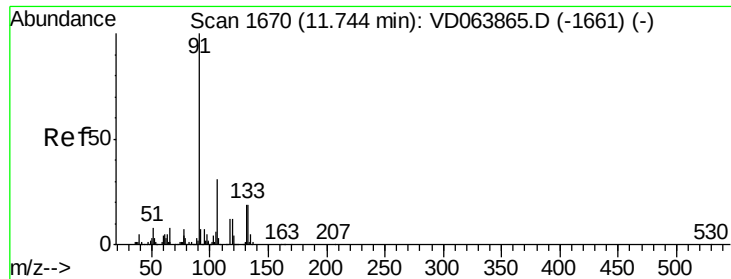
Tot Ion:112 Resp: 312921
Ion Ratio Lower Upper
112 100
114 29.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 55.026 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion:131 Resp: 114124
Ion Ratio Lower Upper
131 100
133 96.5 48.9 146.7
119 65.7 32.6 97.8





#67

Ethyl Benzene

Concen: 55.797 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

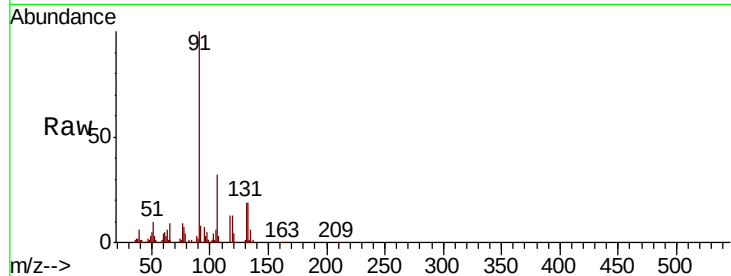
ClientSampleId :

Tot Ion: 91 Resp: 566307

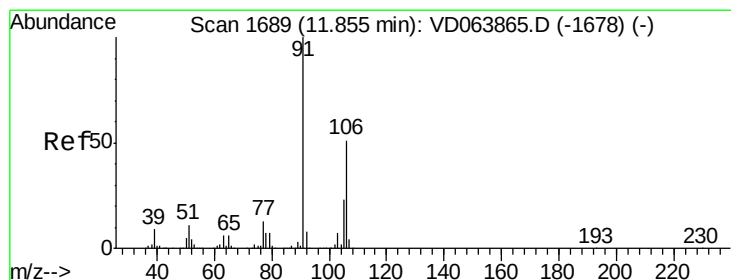
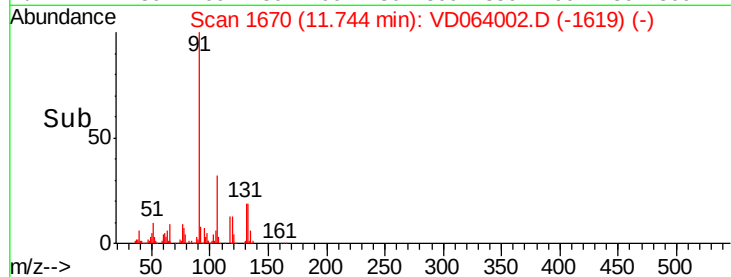
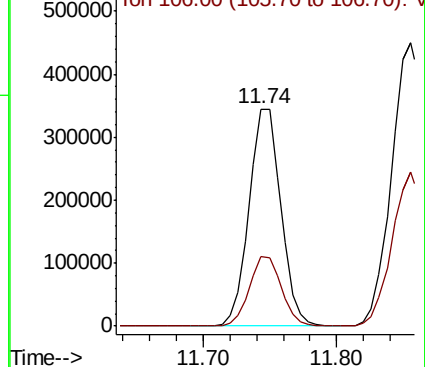
Ion Ratio Lower Upper

91 100

106 32.0 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 116.540 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064002.D

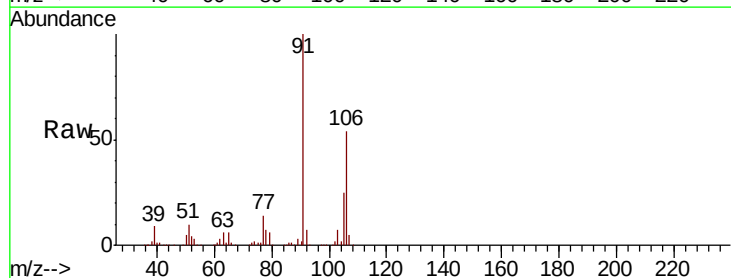
Acq: 18 Oct 2019 10:54

Tgt Ion: 106 Resp: 456537

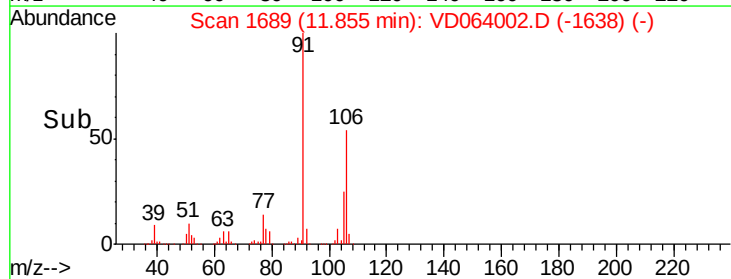
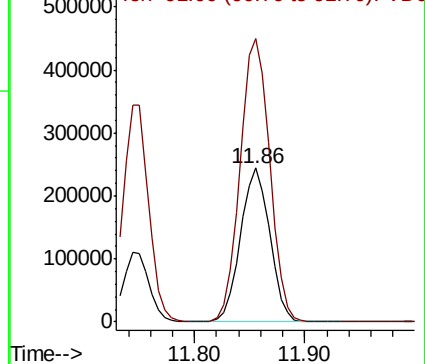
Ion Ratio Lower Upper

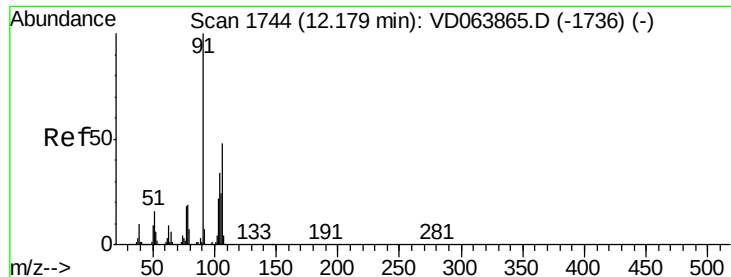
106 100

91 186.4 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

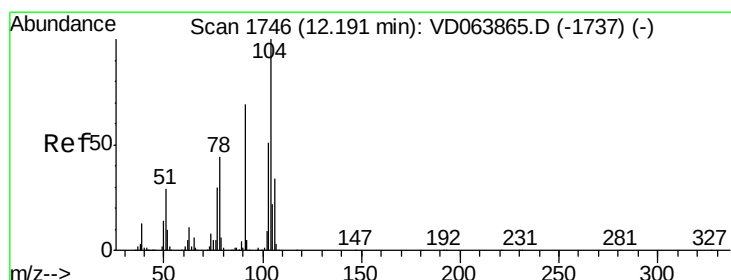
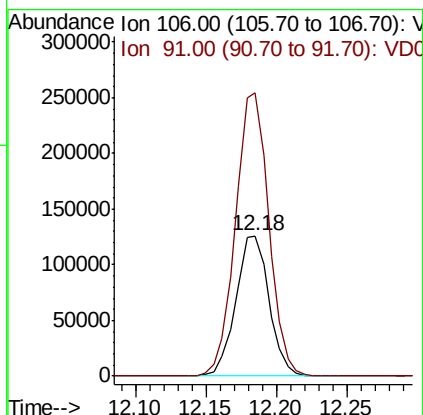
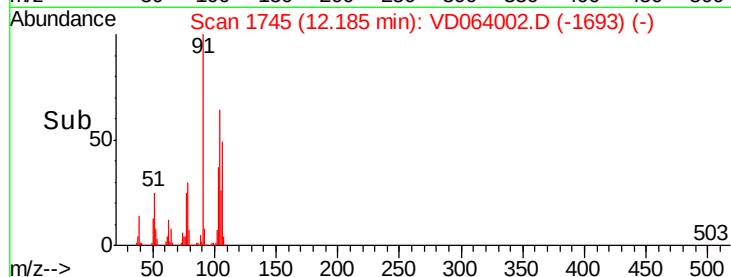
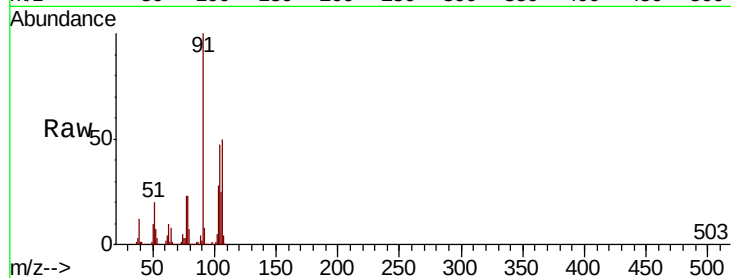




#69
o-Xylene
Concen: 55.230 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

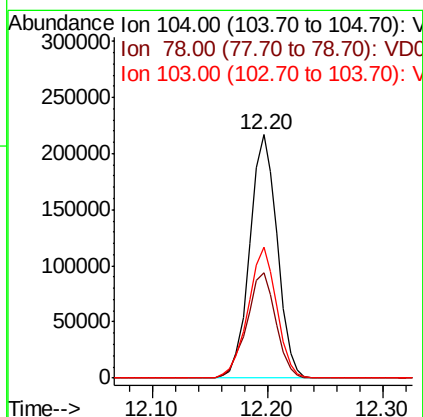
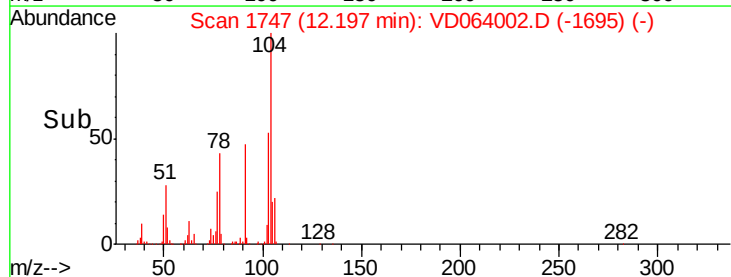
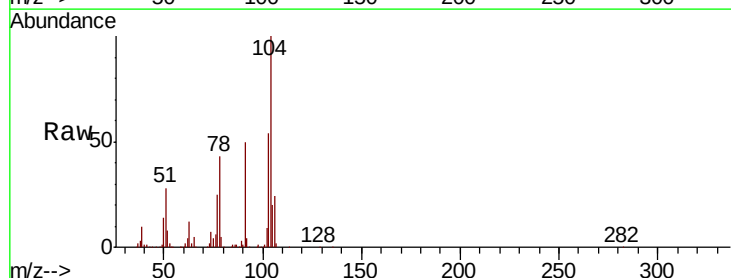
Instrument :
MSVOA_D
ClientSampled :

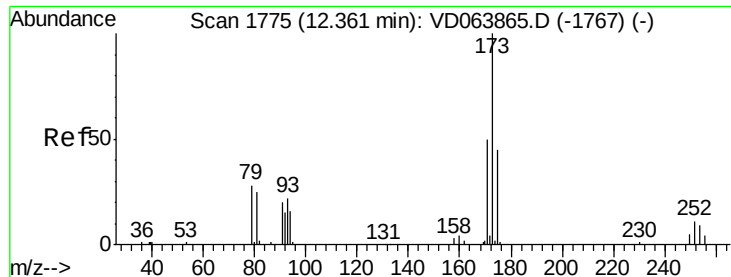
Tot Ion:106 Resp: 207173
Ion Ratio Lower Upper
106 100
91 202.7 103.9 311.7



#70
Styrene
Concen: 56.559 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion:104 Resp: 359152
Ion Ratio Lower Upper
104 100
78 45.7 37.0 55.4
103 56.2 44.2 66.4

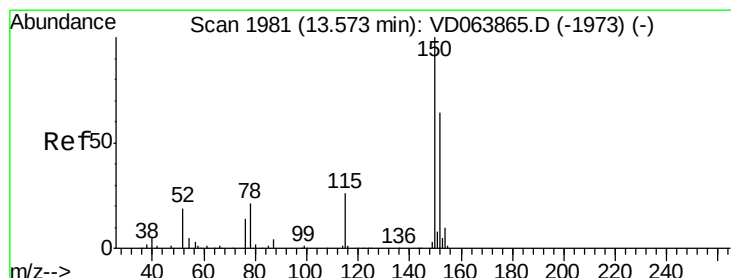
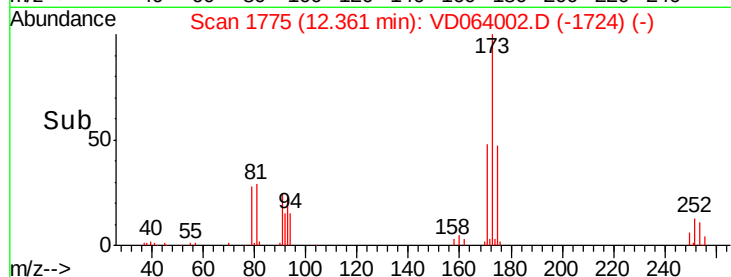
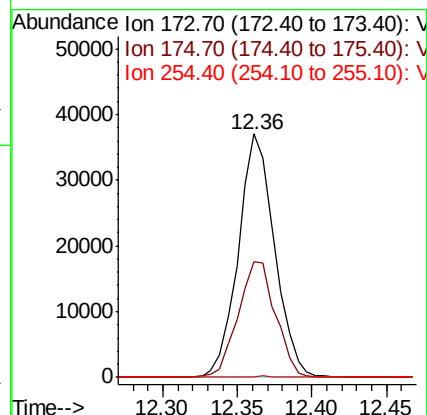
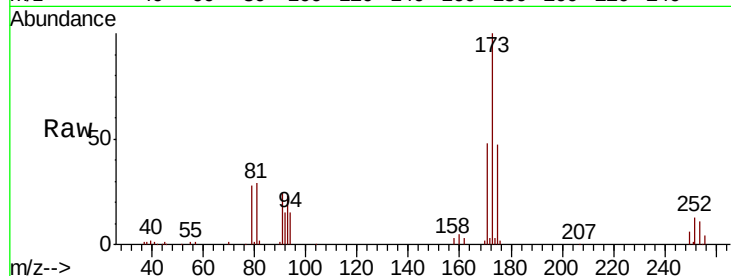




#71
Bromoform
Concen: 55.997 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

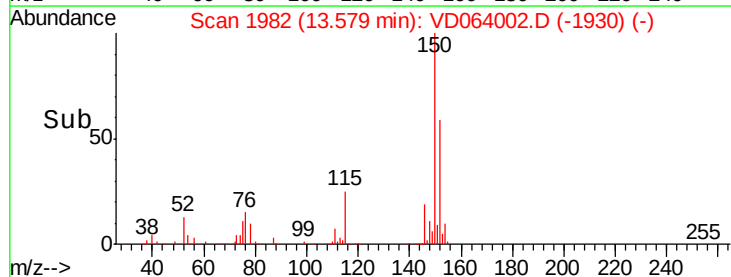
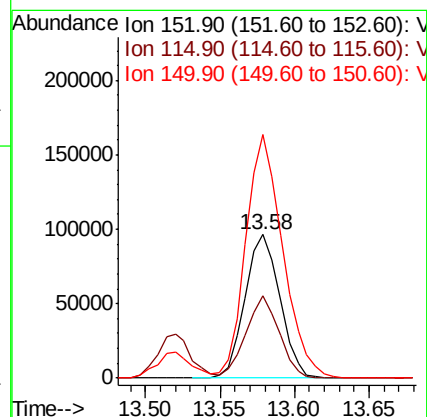
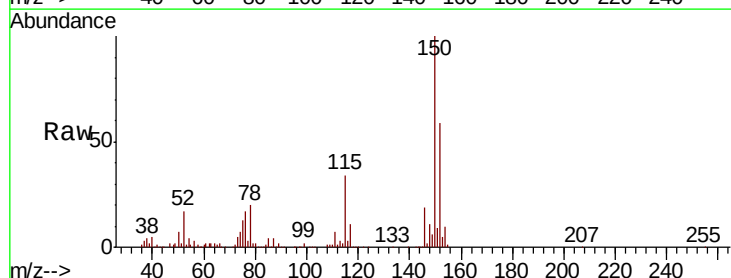
Instrument :
MSVOA_D
ClientSampled :

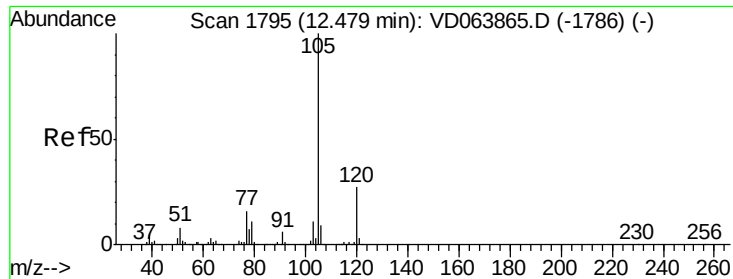
Tot Ion:173 Resp: 62327
Ion Ratio Lower Upper
173 100
175 49.0 24.6 74.0
254 0.2 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion:152 Resp: 155797
Ion Ratio Lower Upper
152 100
115 54.5 25.9 77.7
150 180.0 0.0 344.2





#73

Isopropylbenzene

Concen: 54.471 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

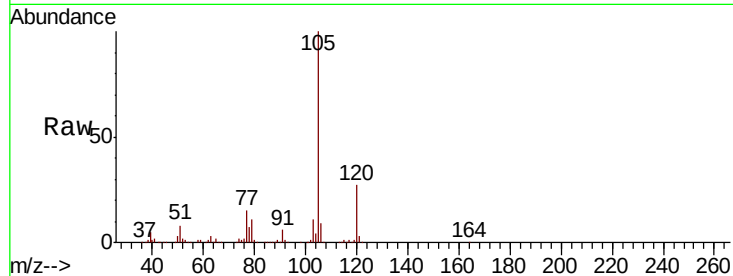
ClientSampleId :

Tot Ion:105 Resp: 570495

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

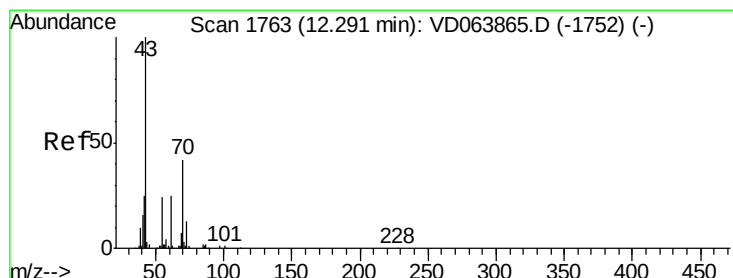
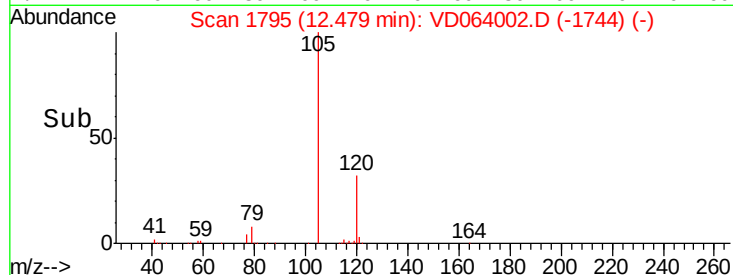
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 45.688 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Tgt Ion: 43 Resp: 103025

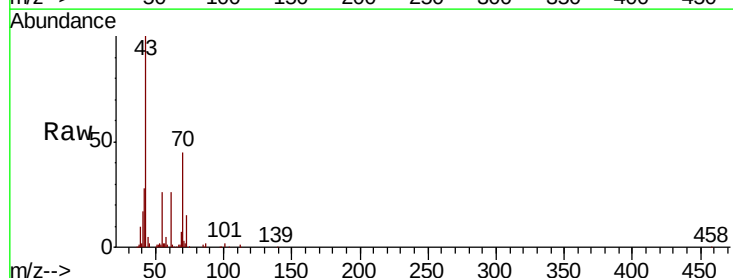
Ion Ratio Lower Upper

43 100

70 45.7 35.8 53.6

55 25.4 19.4 29.0

61 26.0 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.29

100000

80000

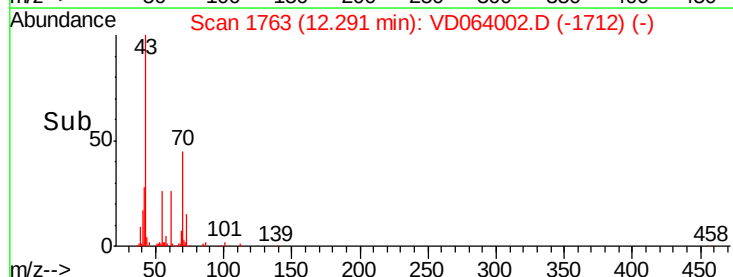
60000

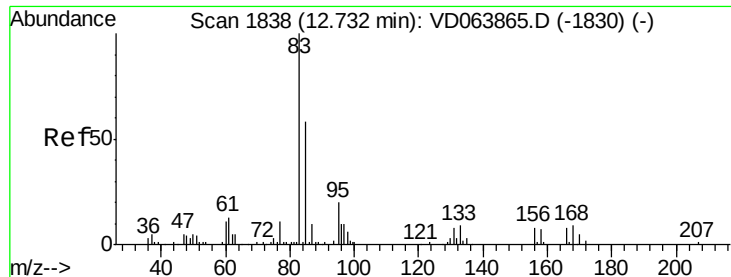
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.560 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

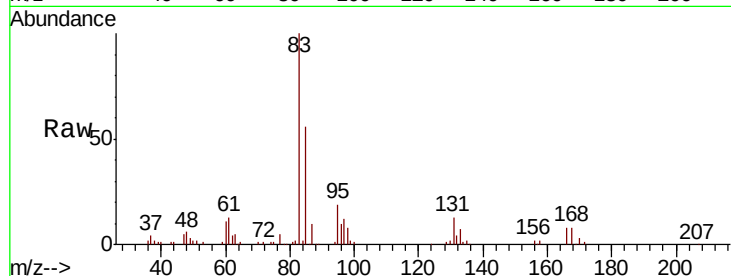
Tot Ion: 83 Resp: 92146

Ion Ratio Lower Upper

83 100

131 12.0 5.6 16.8

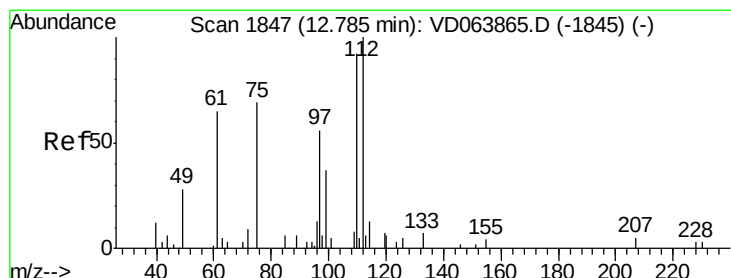
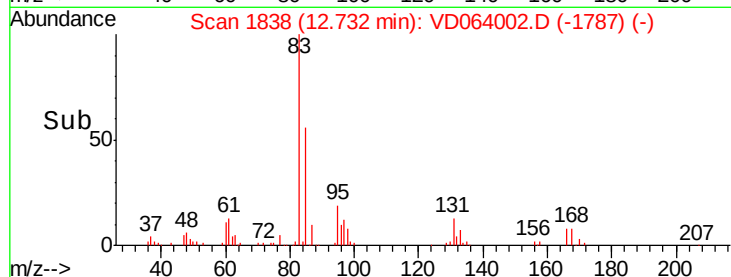
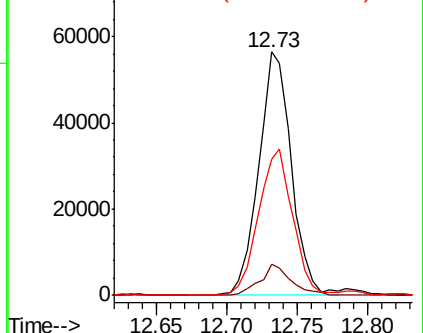
85 62.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 111.477 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064002.D

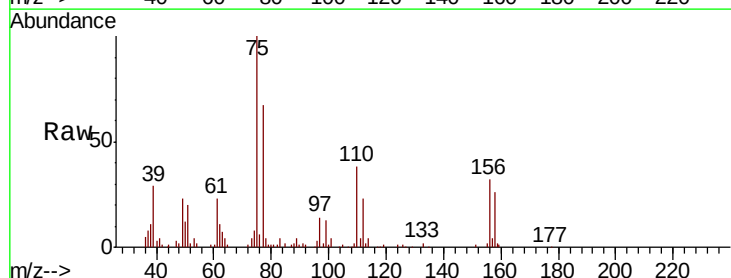
Acq: 18 Oct 2019 10:54

Tgt Ion: 75 Resp: 116325

Ion Ratio Lower Upper

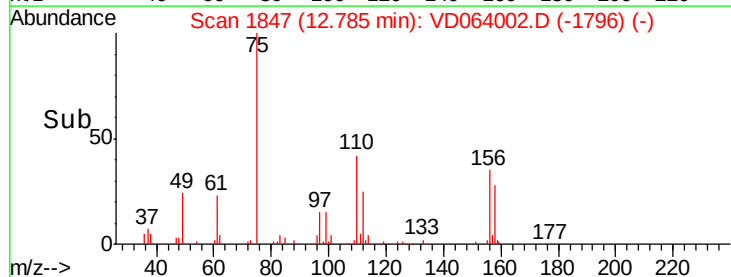
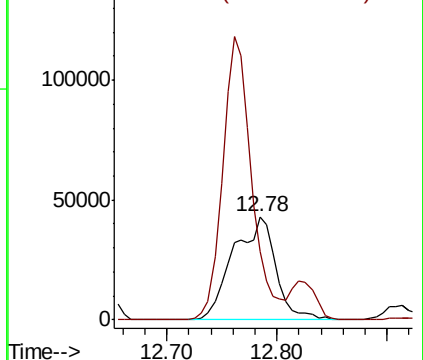
75 100

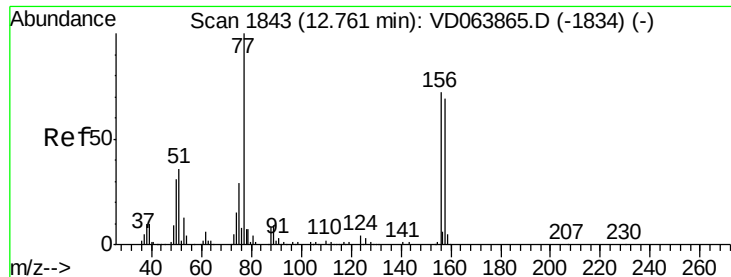
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 55.014 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

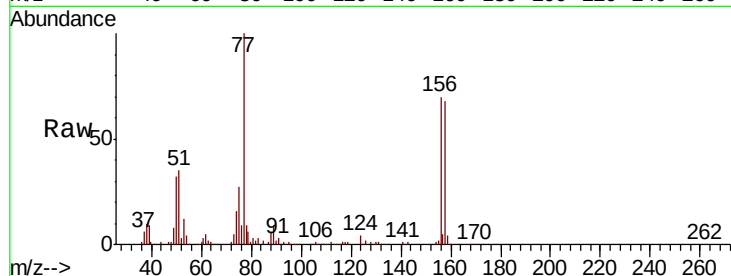
Tot Ion:156 Resp: 143552

Ion Ratio Lower Upper

156 100

77 151.6 80.3 241.0

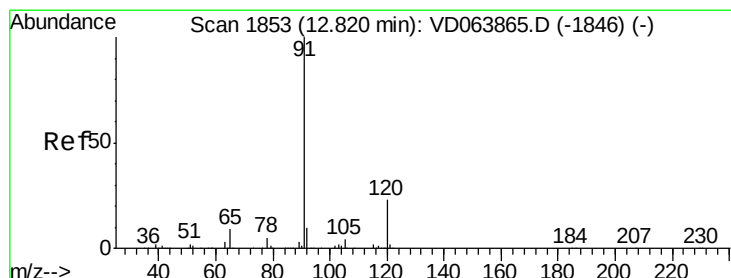
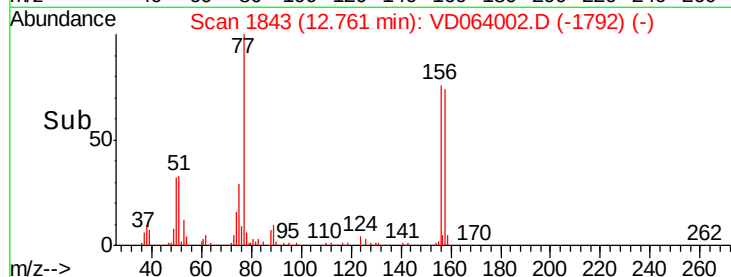
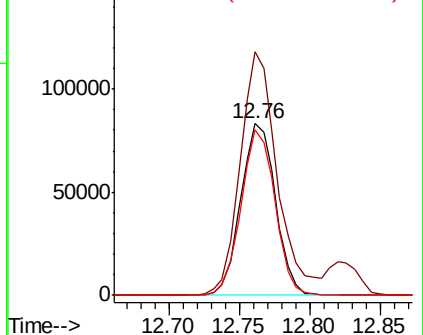
158 94.0 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.438 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD064002.D

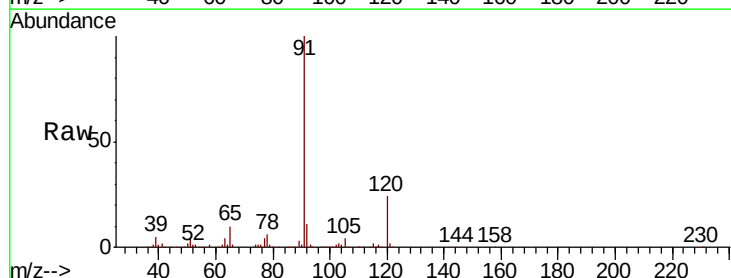
Acq: 18 Oct 2019 10:54

Tgt Ion: 91 Resp: 681531

Ion Ratio Lower Upper

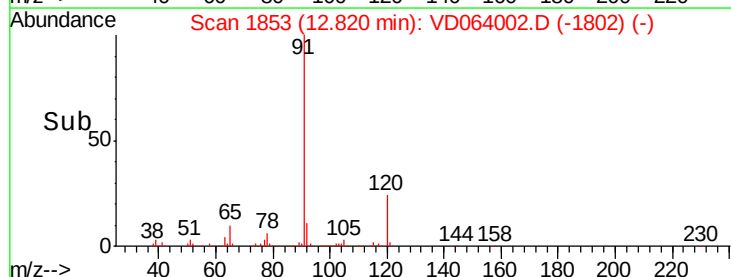
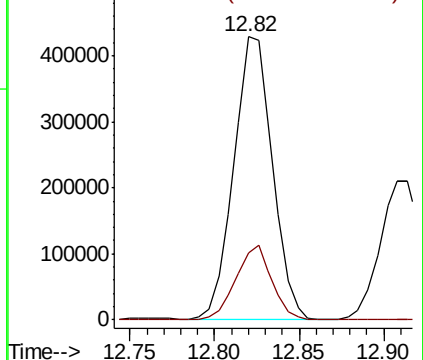
91 100

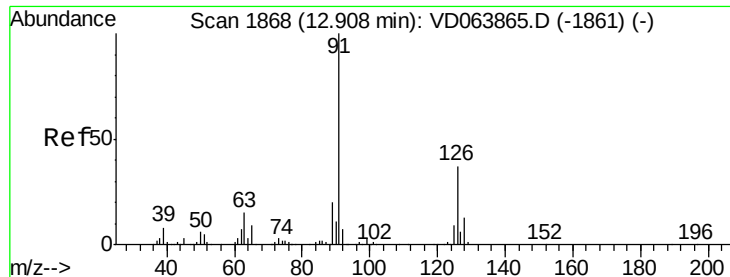
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.538 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

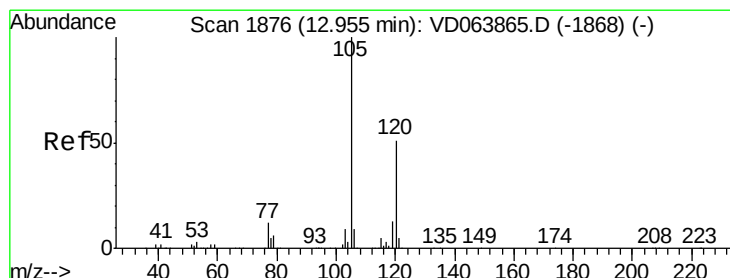
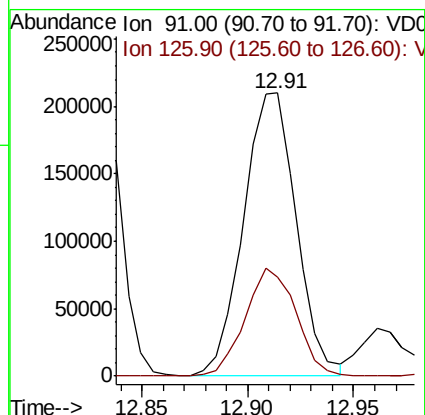
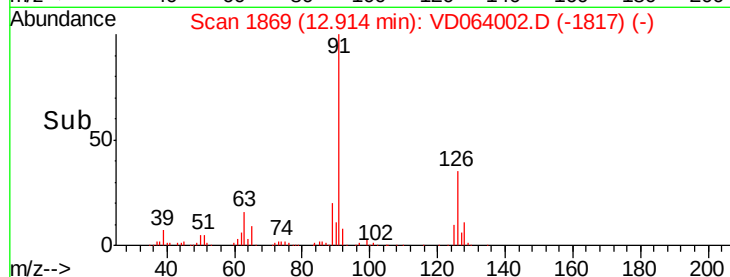
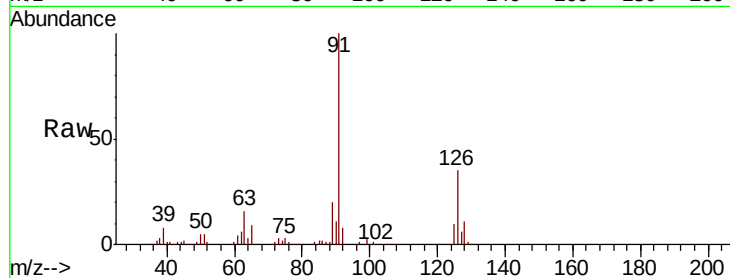
ClientSampleId :

Tot Ion: 91 Resp: 362917

Ion Ratio Lower Upper

91 100

126 36.9 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 55.277 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064002.D

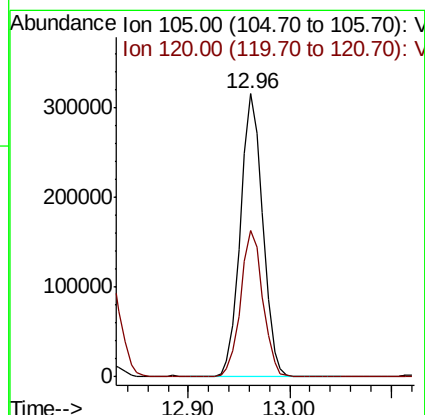
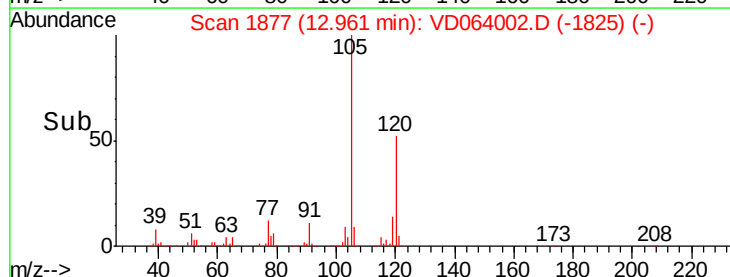
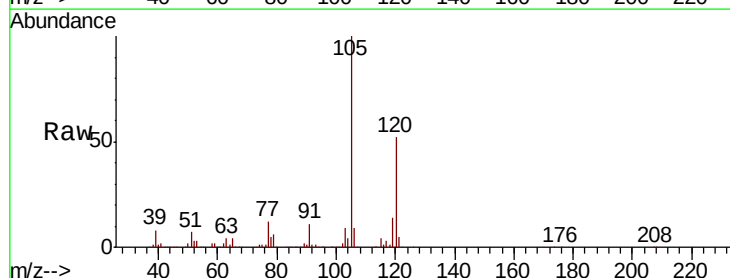
Acq: 18 Oct 2019 10:54

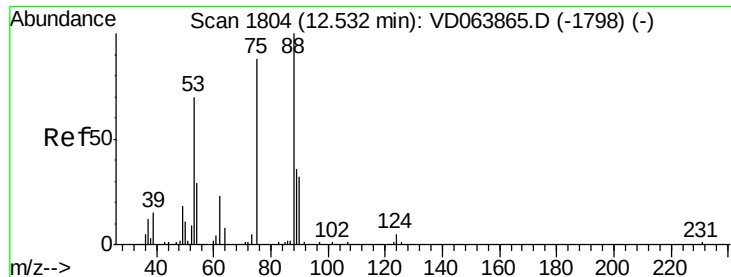
Tgt Ion:105 Resp: 482995

Ion Ratio Lower Upper

105 100

120 51.4 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.609 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

ClientSampled :

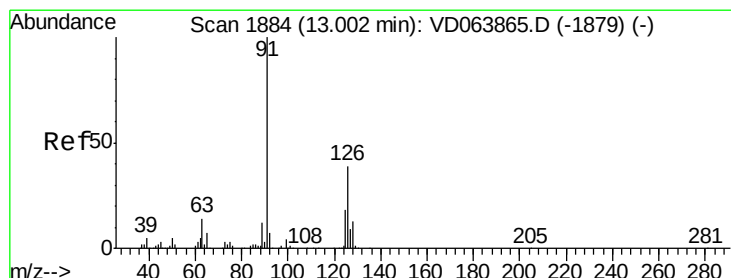
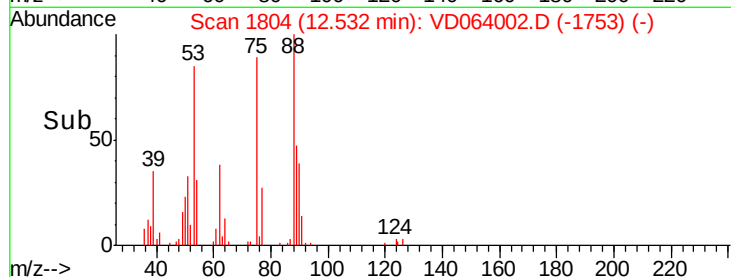
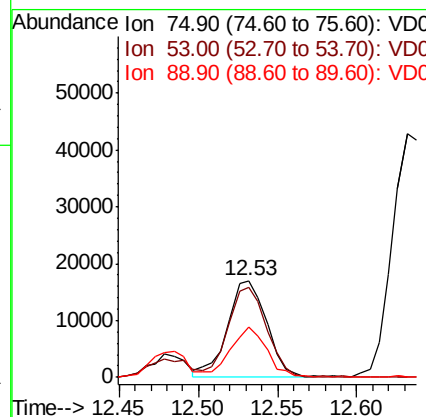
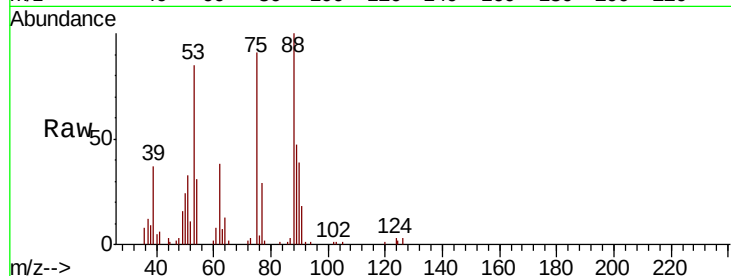
Tot Ion: 75 Resp: 29253

Ion Ratio Lower Upper

75 100

53 90.7 75.0 112.6

89 46.4 38.2 57.4



#82

4-Chlorotoluene

Concen: 52.072 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064002.D

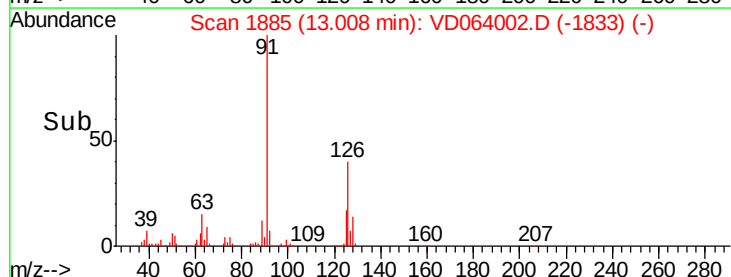
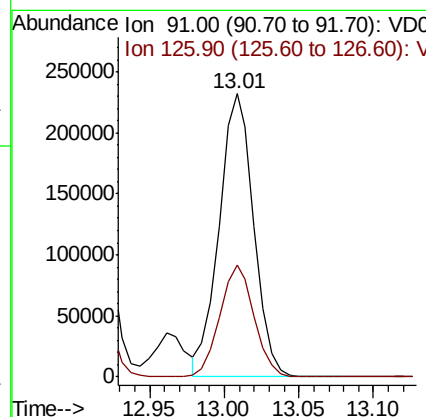
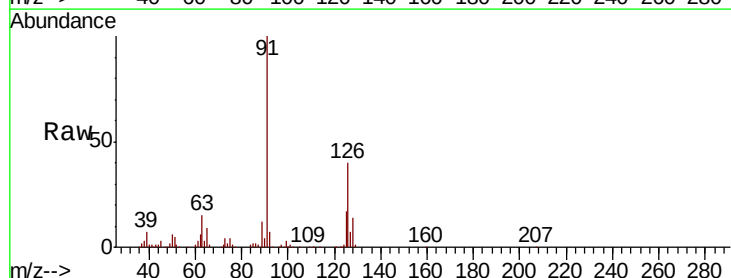
Acq: 18 Oct 2019 10:54

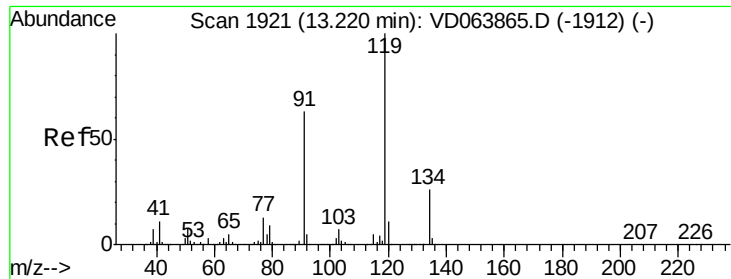
Tgt Ion: 91 Resp: 374447

Ion Ratio Lower Upper

91 100

126 39.1 18.6 55.8

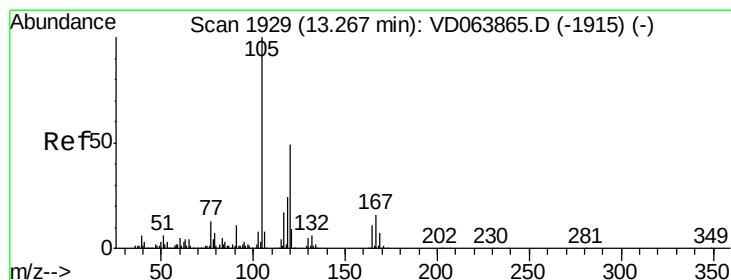
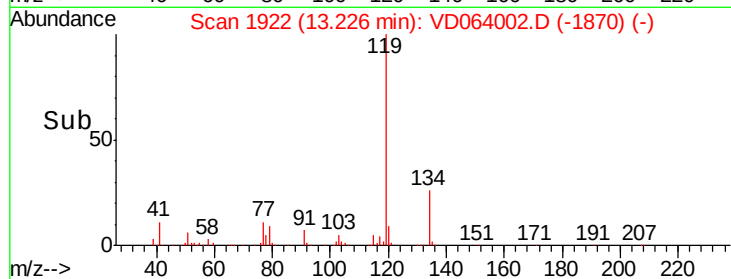
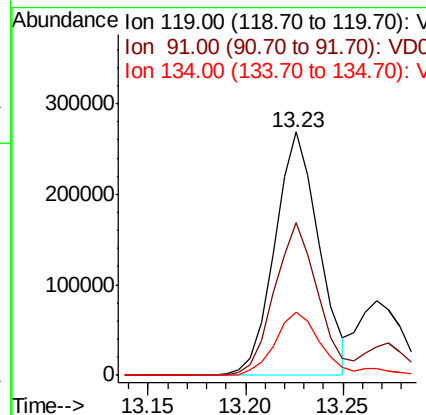
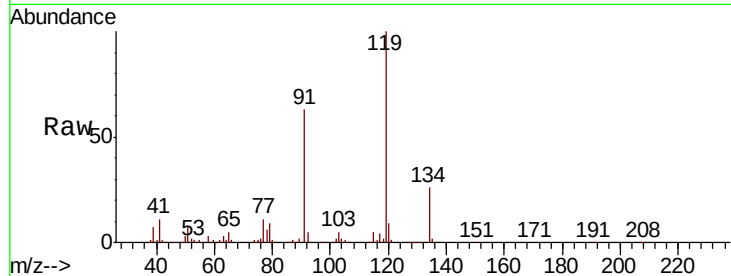




#83
tert-Butylbenzene
Concen: 53.949 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

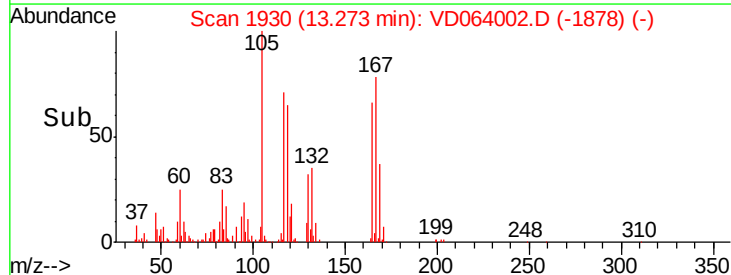
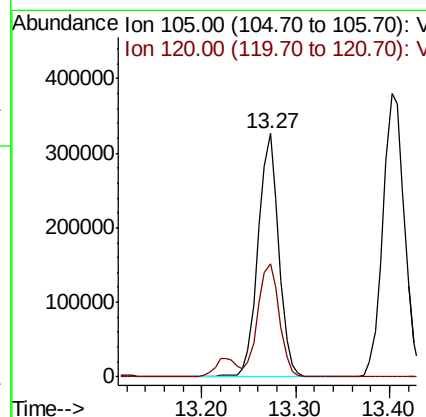
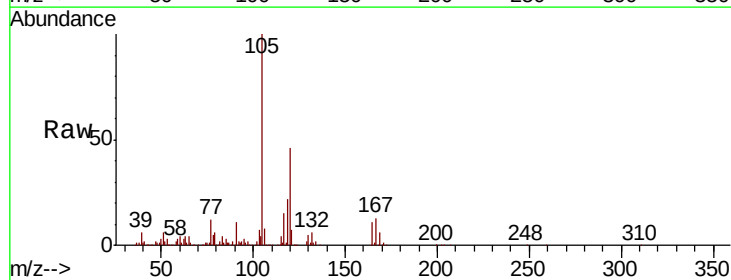
Instrument :
MSVOA_D
ClientSampleId :

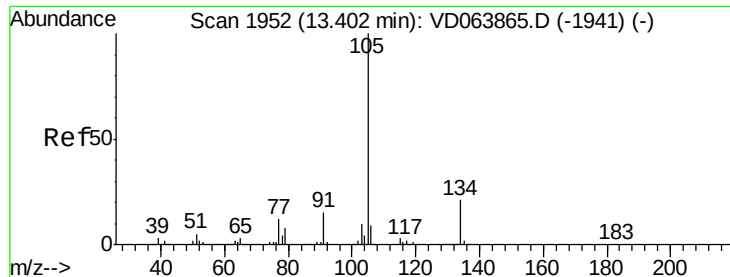
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.0	90.0
134	28.5	13.0	38.9



#84
1,2,4-Trimethylbenzene
Concen: 55.132 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.8	71.5





#85

sec-Butylbenzene

Concen: 57.193 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

Instrument :

MSVOA_D

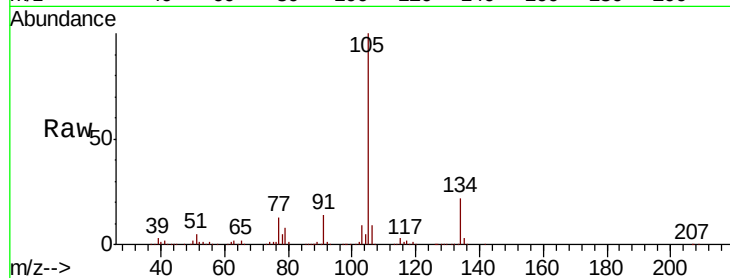
ClientSampleId :

Tot Ion:105 Resp: 600628

Ion Ratio Lower Upper

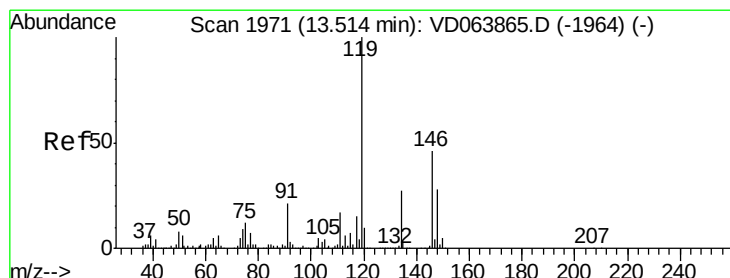
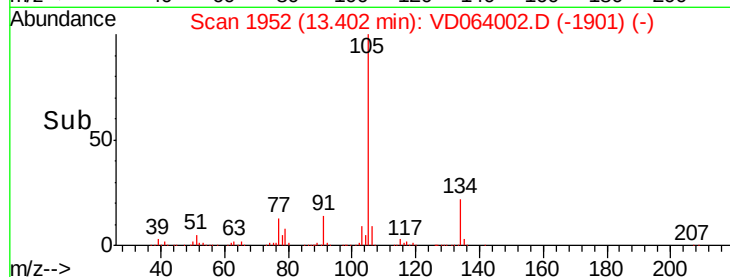
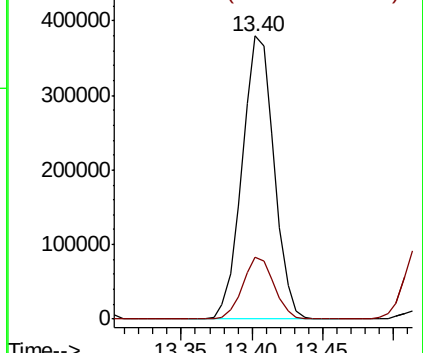
105 100

134 21.5 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.097 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064002.D

Acq: 18 Oct 2019 10:54

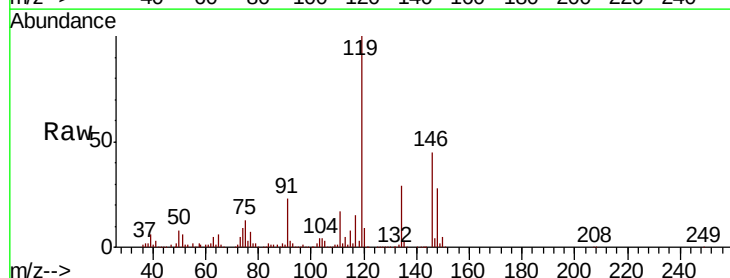
Tgt Ion:119 Resp: 567402

Ion Ratio Lower Upper

119 100

134 28.1 13.9 41.6

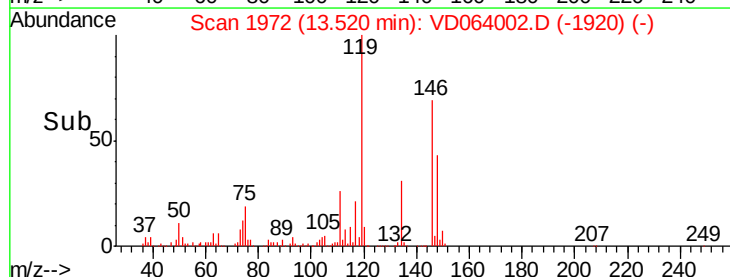
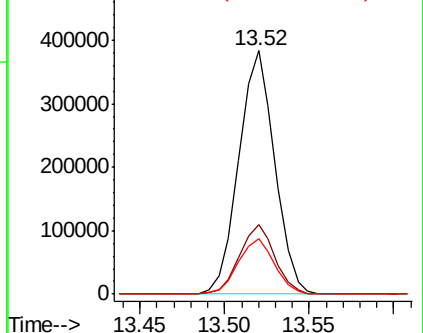
91 22.9 11.2 33.5

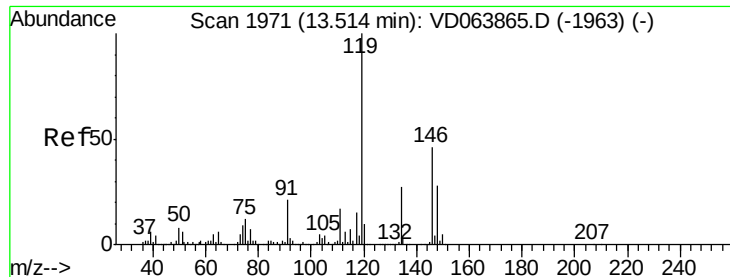


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

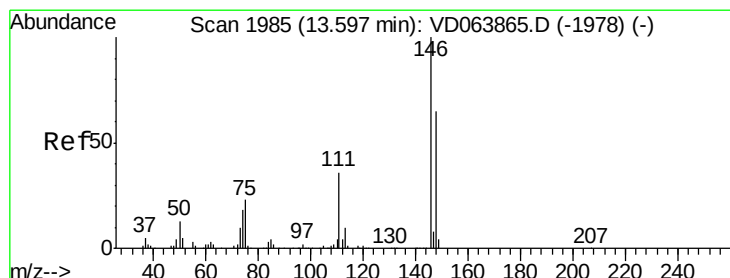
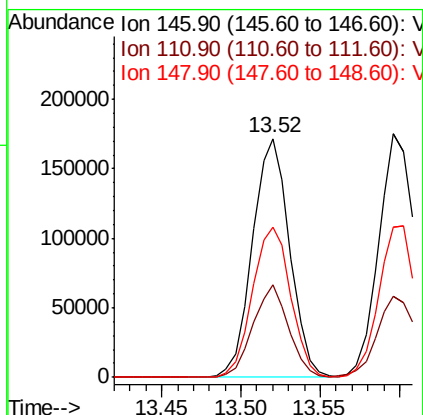
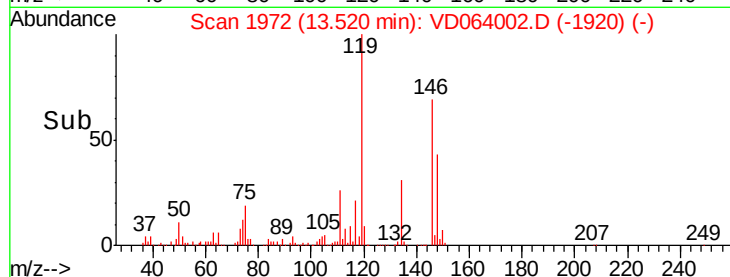
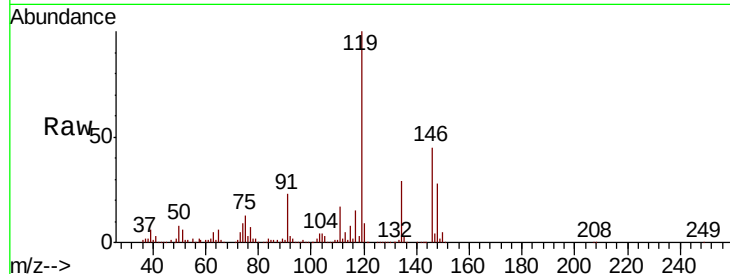




#87
 1,3-Dichlorobenzene
 Concen: 54.460 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

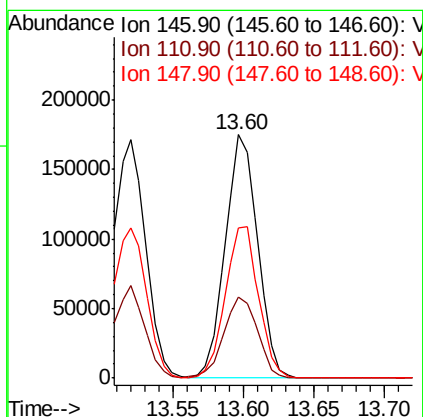
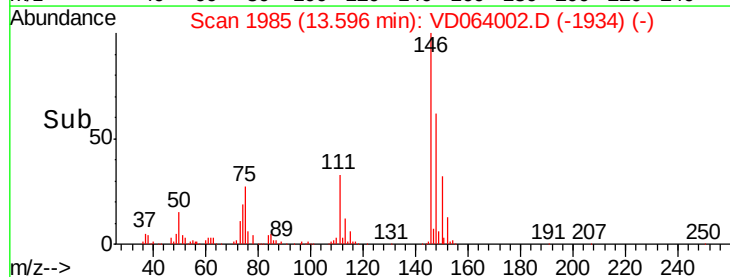
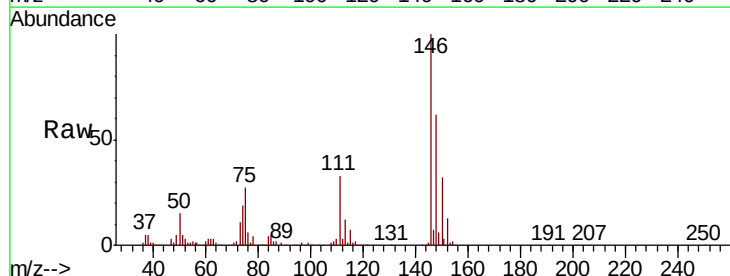
Instrument :
 MSVOA_D
 ClientSampled :

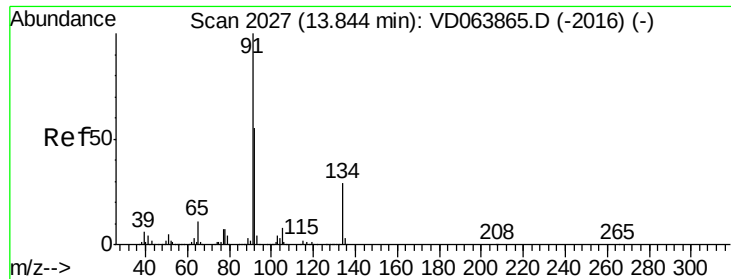
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.3	54.9
148	64.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 54.983 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	18.6	56.0
148	63.8	32.6	98.0

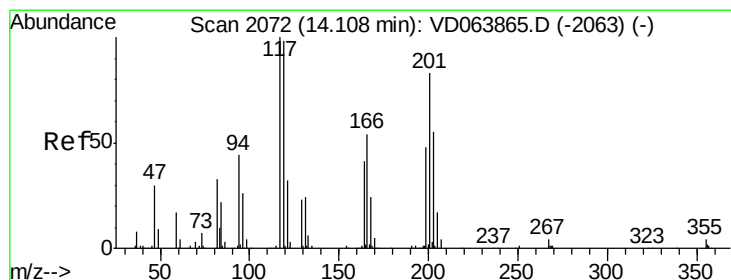
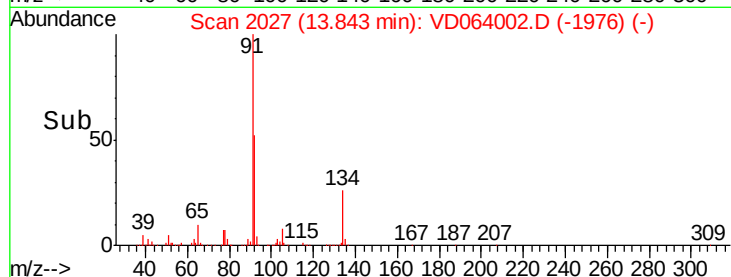
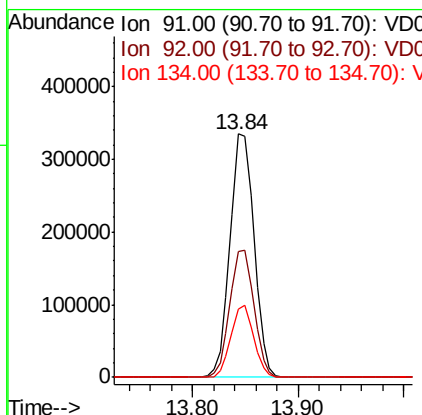
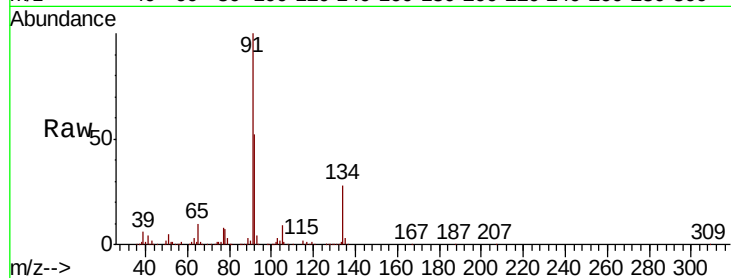




#89
n-Butylbenzene
Concen: 56.820 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

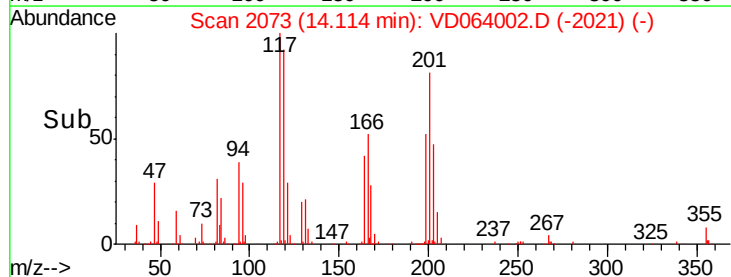
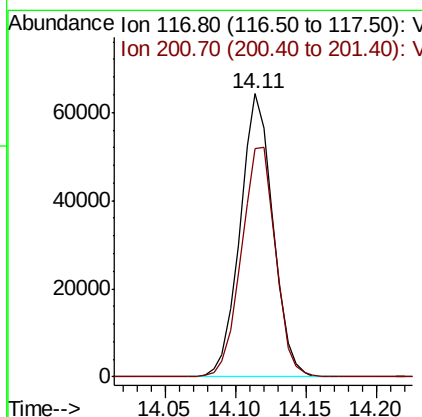
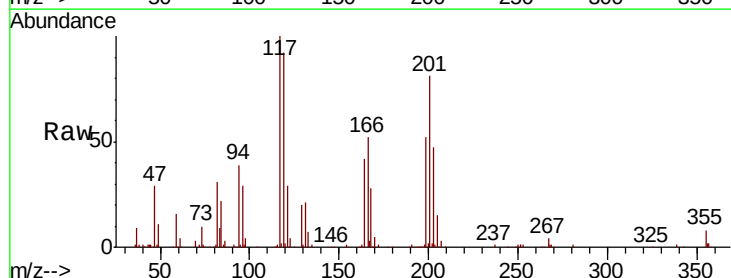
Instrument :
MSVOA_D
ClientSampled :

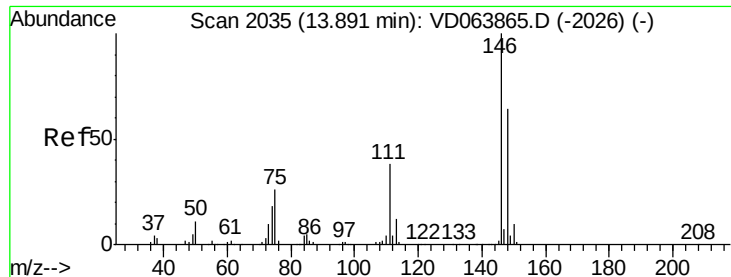
Tot Ion: 91 Resp: 525591
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.3
134 27.9 14.4 43.0



#90
Hexachloroethane
Concen: 58.470 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion: 117 Resp: 104504
Ion Ratio Lower Upper
117 100
201 84.7 40.6 121.7

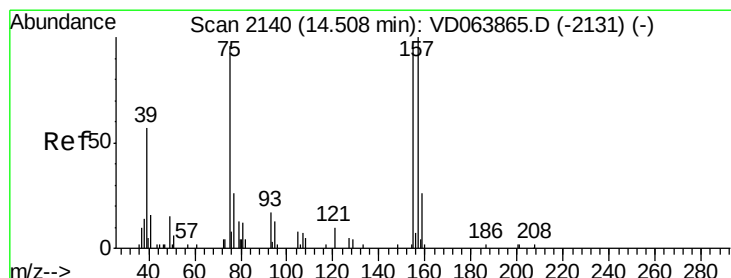
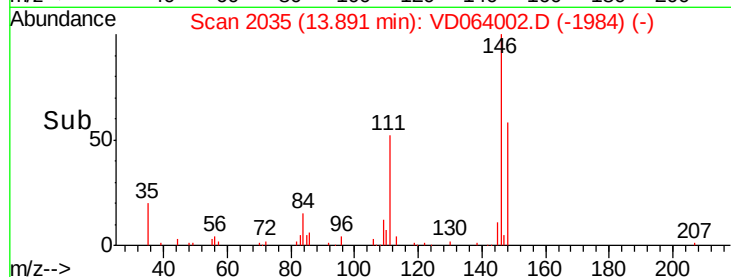
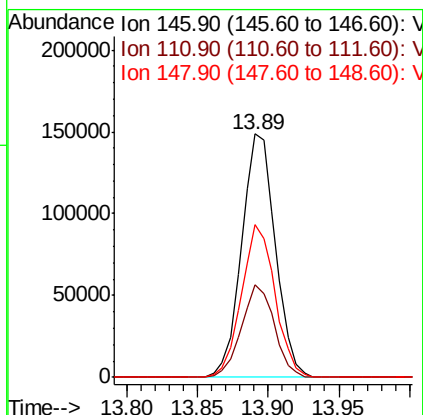
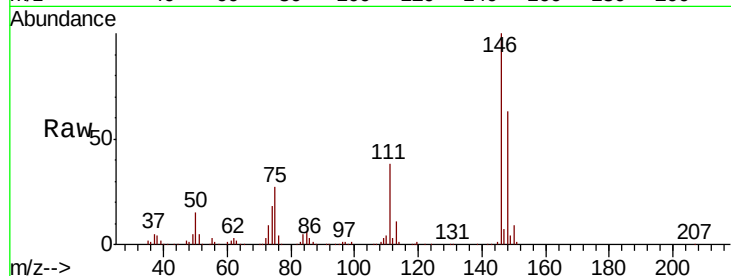




#91
 1,2-Dichlorobenzene
 Concen: 55.888 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

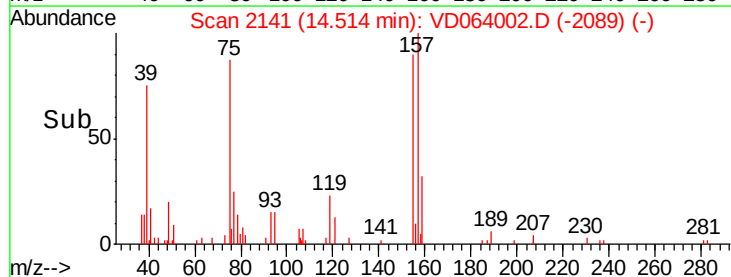
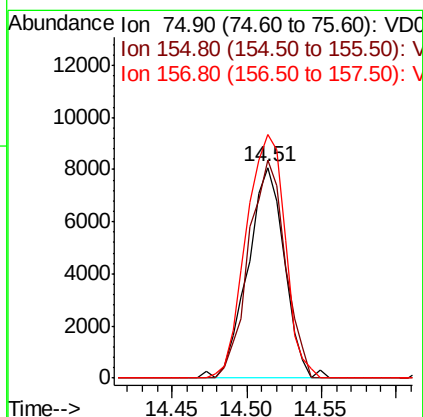
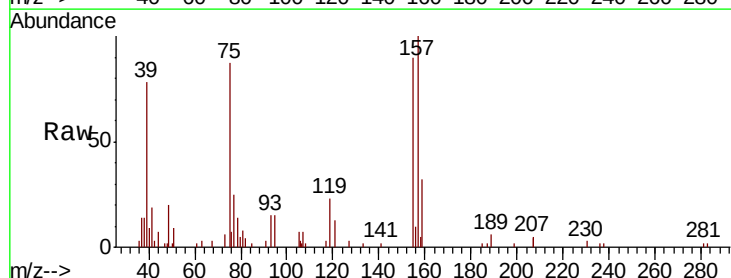
Instrument :
 MSVOA_D
 ClientSampleId :

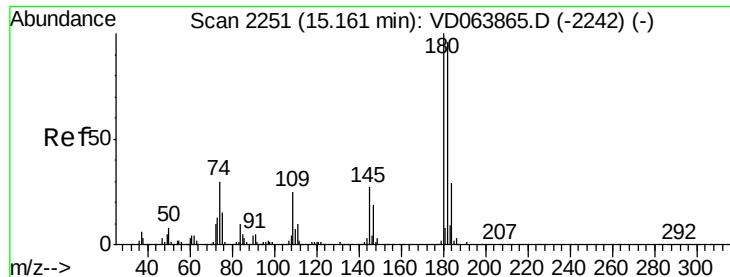
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	62.4	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.346 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.5	43.9	131.6
157	123.2	56.0	167.9

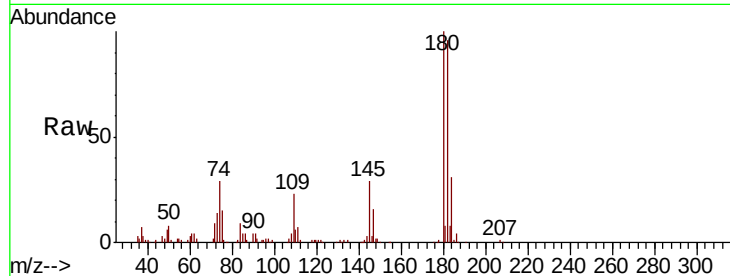




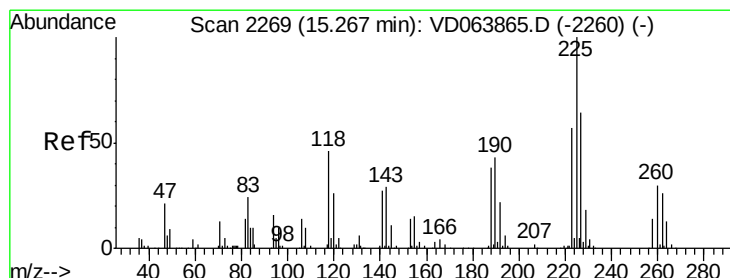
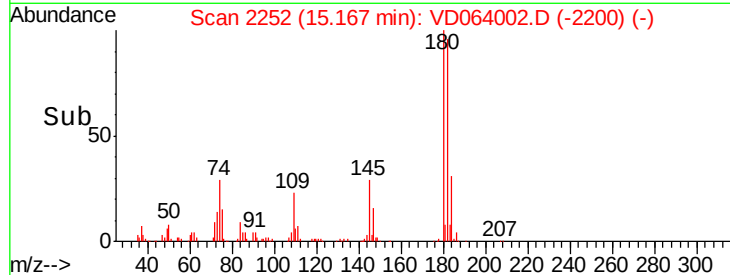
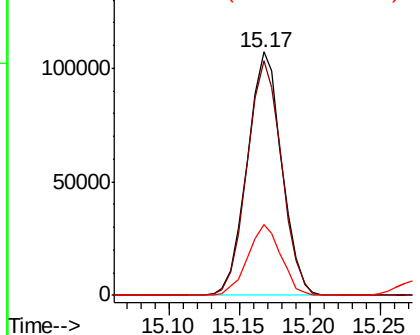
#93
 1,2,4-Trichlorobenzene
 Concen: 53.746 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.3
145	28.2	13.9	41.7

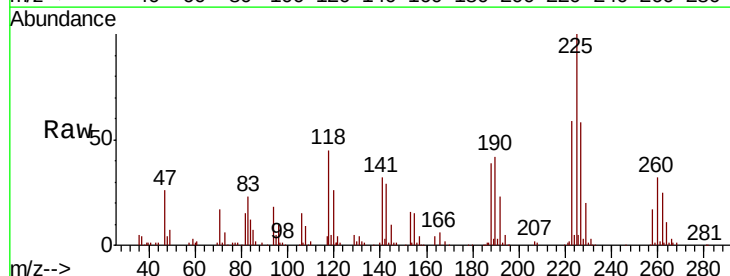


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

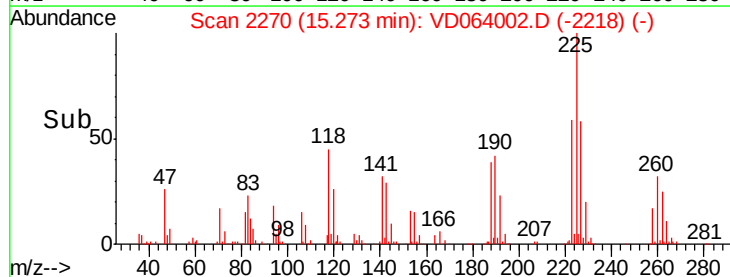
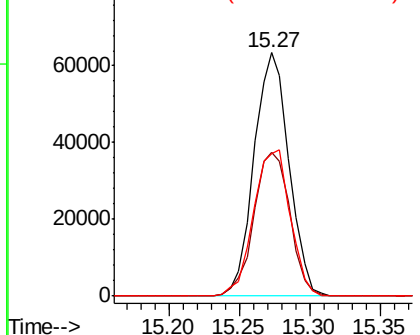


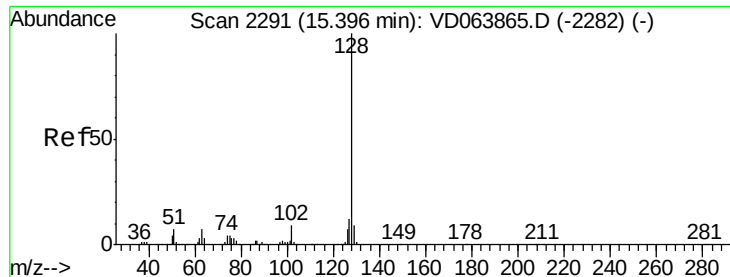
#94
 Hexachlorobutadiene
 Concen: 58.392 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064002.D
 Acq: 18 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	29.5	88.6
227	63.1	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

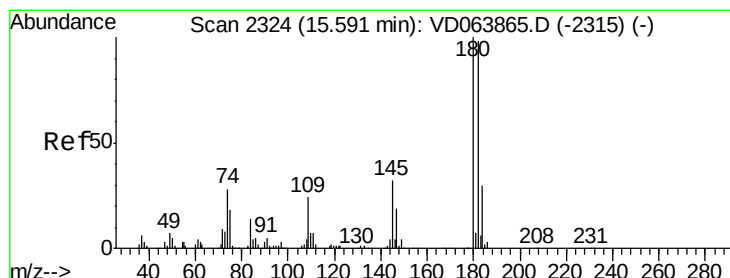
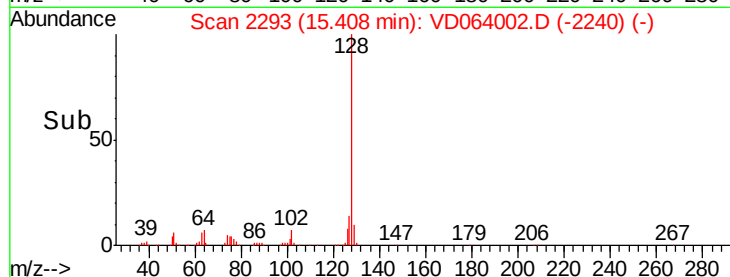
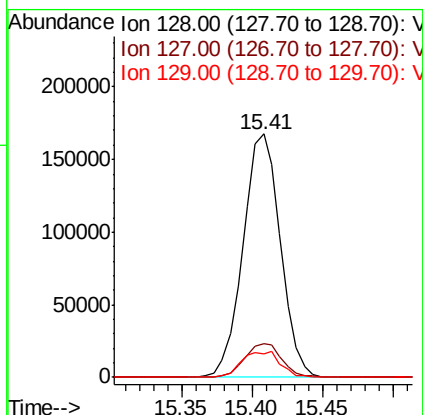
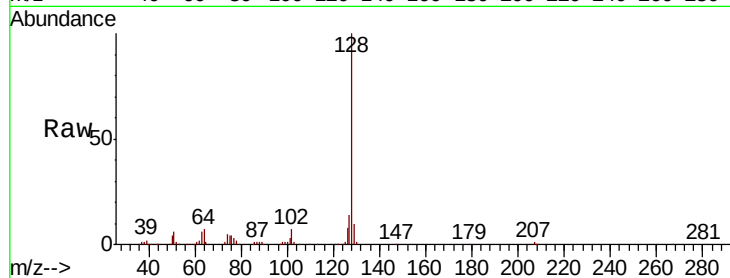




#95
Naphthalene
Concen: 53.870 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 310418
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.441 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD064002.D
Acq: 18 Oct 2019 10:54

Tgt Ion:180 Resp: 161038
Ion Ratio Lower Upper
180 100
182 93.2 47.0 141.0
145 30.6 15.3 45.9

