

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063963.D
 Acq On : 15 Oct 2019 10:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 16 02:12:21 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	210300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	323413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177005	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	89391	43.66	ug/l	0.00
Spiked Amount						
			Recovery	=	87.32%	
35) Dibromofluoromethane	7.92	113	95502	47.71	ug/l	0.00
Spiked Amount						
			Recovery	=	95.42%	
50) Toluene-d8	10.34	98	400388	49.28	ug/l	0.00
Spiked Amount						
			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.63	95	134326	47.57	ug/l	0.00
Spiked Amount						
			Recovery	=	95.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	76010	50.966	ug/l	97
3) Chloromethane	2.21	50	213094	53.174	ug/l	99
4) Vinyl Chloride	2.35	62	255323	52.969	ug/l	100
5) Bromomethane	2.77	94	150463	48.554	ug/l	92
6) Chloroethane	2.93	64	164740	51.679	ug/l	95
7) Trichlorofluoromethane	3.27	101	350560	55.007	ug/l	98
8) Diethyl Ether	3.71	74	48516	47.429	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98948	56.089	ug/l	94
10) Methyl Iodide	4.29	142	124306	51.137	ug/l	99
11) Tert butyl alcohol	5.24	59	14945	100.266	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	92938	52.731	ug/l	95
13) Acrolein	3.93	56	39578	216.434	ug/l	93
14) Allyl chloride	4.71	41	141953	48.444	ug/l	97
15) Acrylonitrile	5.43	53	109731	243.311	ug/l	98
16) Acetone	4.16	43	138142	259.150	ug/l	91
17) Carbon Disulfide	4.40	76	311502	48.620	ug/l	97
18) Methyl Acetate	4.73	43	49669	47.640	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	221559	48.545	ug/l	97
20) Methylene Chloride	4.96	84	118396	50.060	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	117274	53.450	ug/l	92
22) Diisopropyl ether	6.36	45	293984	49.124	ug/l	90
23) Vinyl Acetate	6.31	43	870627	244.551	ug/l	98
24) 1,1-Dichloroethane	6.27	63	191278	51.890	ug/l	98
25) 2-Butanone	7.22	43	152946	242.106	ug/l	93
26) 2,2-Dichloropropane	7.21	77	174939	52.463	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131056	52.772	ug/l	95
28) Bromochloromethane	7.54	49	72420	51.613	ug/l	95
29) Tetrahydrofuran	7.57	42	82029	222.464	ug/l	99
30) Chloroform	7.71	83	206977	51.697	ug/l	92
31) Cyclohexane	7.98	56	179293	59.595	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	186422	54.281	ug/l	98
36) 1,1-Dichloropropene	8.11	75	162512	54.260	ug/l	98
37) Ethyl Acetate	7.30	43	57845	48.006	ug/l	98
38) Carbon Tetrachloride	8.10	117	171231	56.574	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	209489	56.886	ug/l	91
40) Benzene	8.36	78	464297	54.095	ug/l	98
41) Methacrylonitrile	7.53	41	27673	39.852	ug/l	97
42) 1,2-Dichloroethane	8.43	62	124678	50.217	ug/l	100
43) Isopropyl Acetate	8.46	43	113683	45.260	ug/l	97
44) Trichloroethene	9.11	130	133588	53.975	ug/l	96
45) 1,2-Dichloropropane	9.39	63	107755	51.292	ug/l	90
46) Dibromomethane	9.48	93	61312	51.245	ug/l	97
47) Bromodichloromethane	9.67	83	158174	51.349	ug/l	94
48) Methyl methacrylate	9.46	41	52380	43.524	ug/l	93
49) 1,4-Dioxane	9.46	88	15258	934.274	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	307870	236.338	ug/l	99
52) Toluene	10.40	92	313920	53.278	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	155312	51.669	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	182551	52.759	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86227	51.042	ug/l	95
56) Ethyl methacrylate	10.66	69	105041	49.101	ug/l	93
57) 1,3-Dichloropropane	10.95	76	145678	50.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	211935	230.477	ug/l	98
59) 2-Hexanone	10.99	43	231135	245.285	ug/l	98
60) Dibromochloromethane	11.14	129	114397	52.014	ug/l	97
61) 1,2-Dibromoethane	11.25	107	83762	51.145	ug/l	100
64) Tetrachloroethene	10.88	164	123324	55.857	ug/l	94
65) Chlorobenzene	11.67	112	360584	55.517	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	132111	55.201	ug/l	97
67) Ethyl Benzene	11.74	91	649140	55.426	ug/l	97
68) m/p-Xylenes	11.86	106	515891	114.123	ug/l	97
69) o-Xylene	12.18	106	239096	55.237	ug/l	95
70) Styrene	12.20	104	403882	55.118	ug/l	99
71) Bromoform	12.36	173	70875	55.182	ug/l #	100
73) Isopropylbenzene	12.48	105	654185	54.977	ug/l	97
74) N-amyl acetate	12.29	43	116809	45.594	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	99701	48.151	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	128594	108.470	ug/l #	100
77) Bromobenzene	12.77	156	157369	53.083	ug/l	95
78) n-propylbenzene	12.82	91	782373	56.015	ug/l	100
79) 2-Chlorotoluene	12.91	91	412305	53.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	550573	55.461	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31154	46.502	ug/l	99
82) 4-Chlorotoluene	13.01	91	419170	51.308	ug/l	96
83) tert-Butylbenzene	13.23	119	492303	55.722	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	550363	53.777	ug/l	100
85) sec-Butylbenzene	13.40	105	685523	57.456	ug/l	100
86) p-Isopropyltoluene	13.52	119	659884	58.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	321079	54.813	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	315049	54.517	ug/l	98
89) n-Butylbenzene	13.84	91	597476	56.852	ug/l	100
90) Hexachloroethane	14.11	117	118084	58.152	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	274522	54.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15667	48.631	ug/l	87

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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

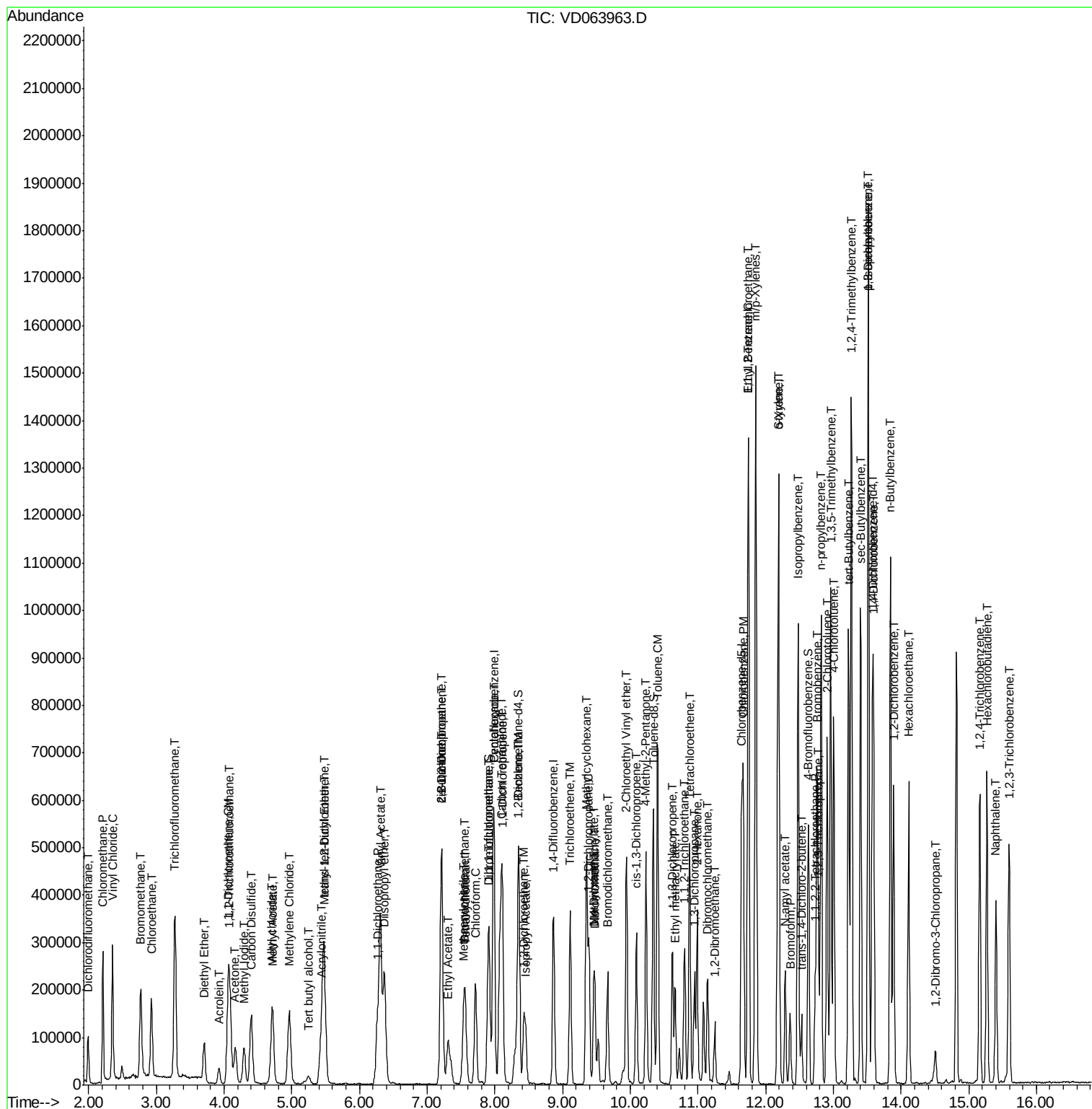
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	211056	54.184	ug/l	98
94) Hexachlorobutadiene	15.27	225	125419	58.349	ug/l	94
95) Naphthalene	15.40	128	350464	53.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	178969	53.254	ug/l	97

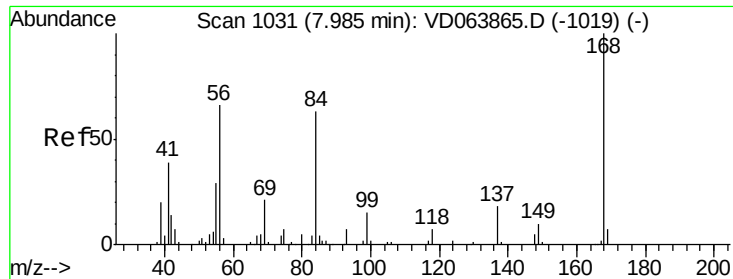
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

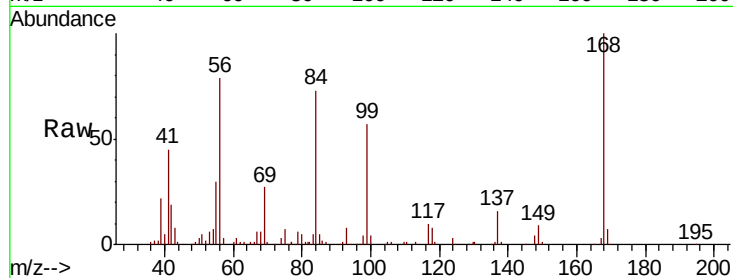
VSTDCCC050

Tot Ion:168 Resp: 210300

Ion Ratio Lower Upper

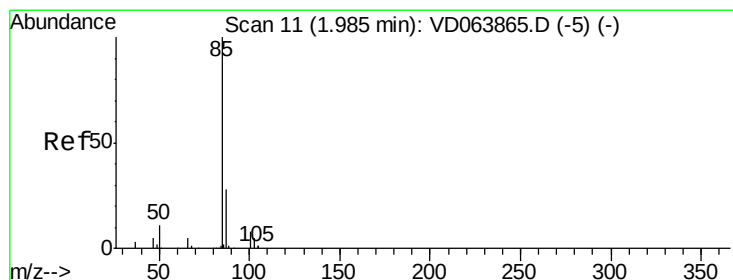
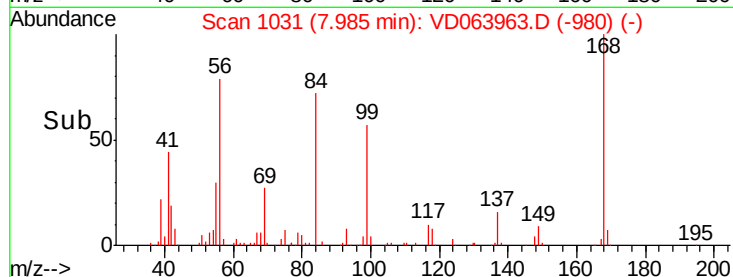
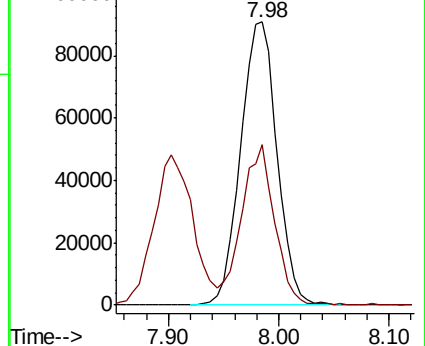
168 100

99 56.1 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: 50.966 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063963.D

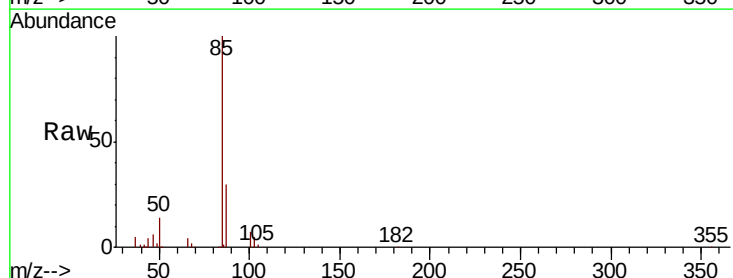
Acq: 15 Oct 2019 10:48

Tgt Ion: 85 Resp: 76010

Ion Ratio Lower Upper

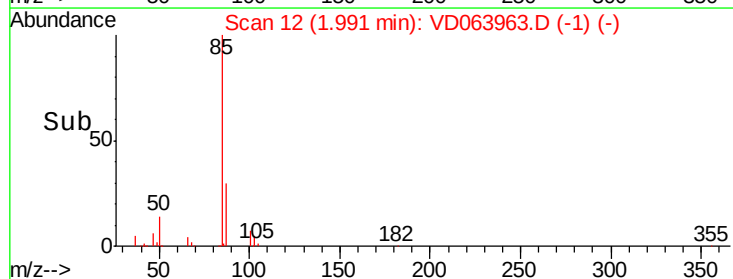
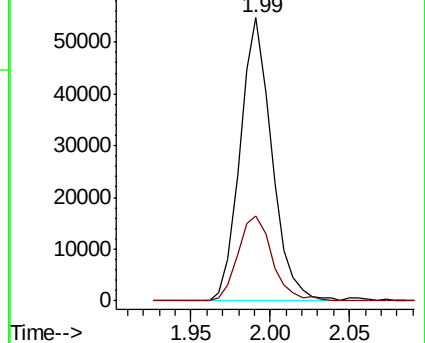
85 100

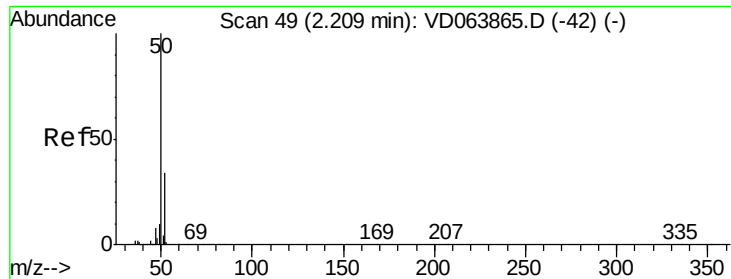
87 29.8 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

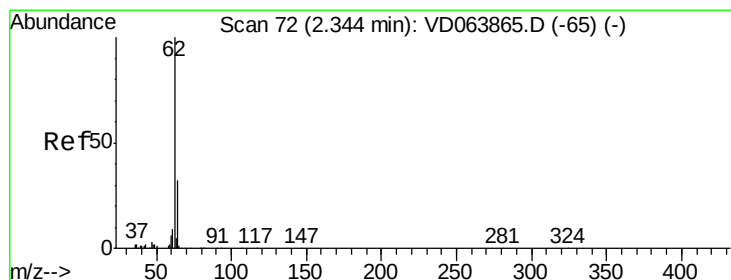
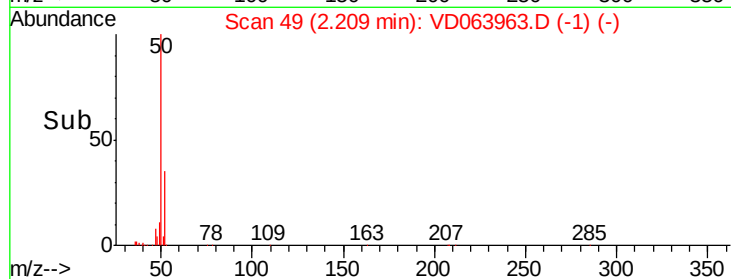
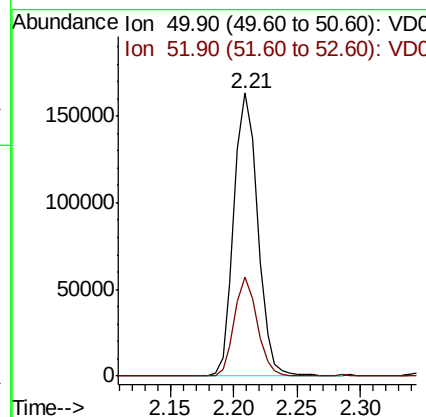
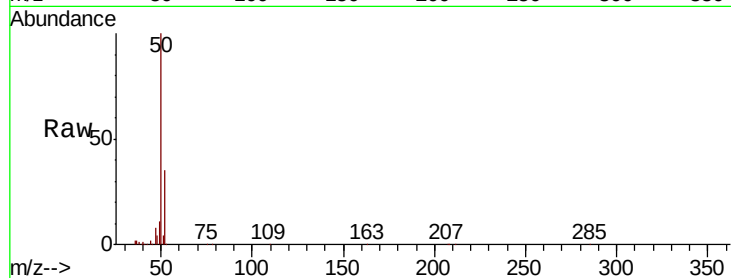




#3
Chloromethane
Concen: 53.174 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

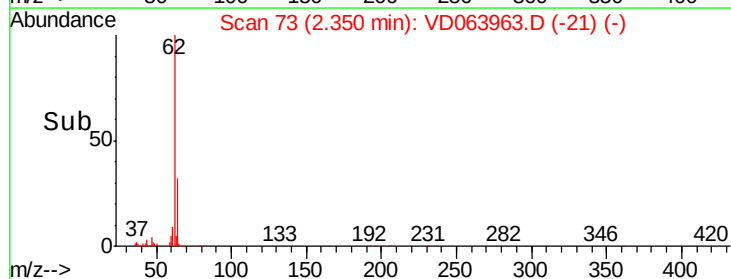
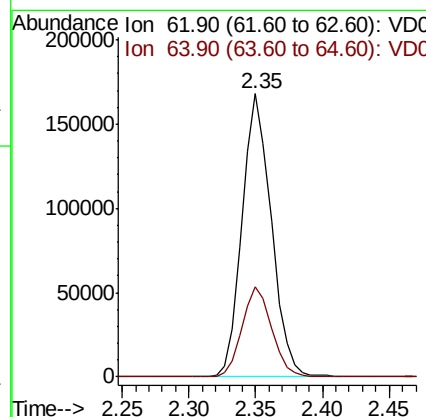
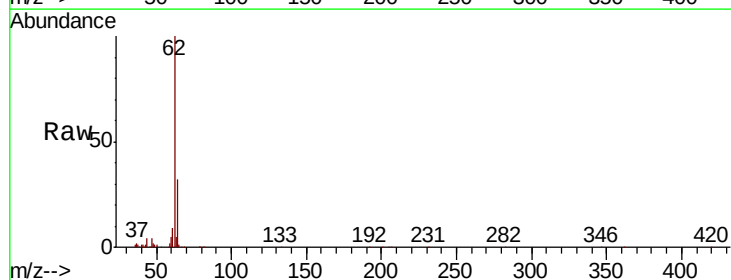
Instrument :
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ClientSampleId :
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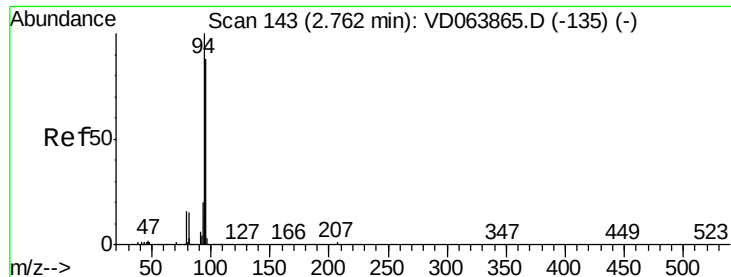
Tot Ion: 50 Resp: 213094
Ion Ratio Lower Upper
50 100
52 34.9 27.5 41.3



#4
Vinyl Chloride
Concen: 52.969 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 62 Resp: 255323
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0





#5

Bromomethane

Concen: 48.554 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

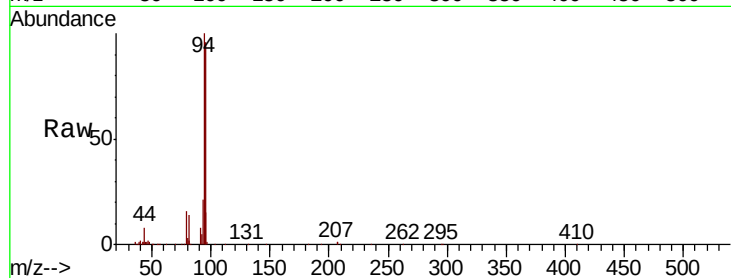
VSTDCCC050

Tot Ion: 94 Resp: 150463

Ion Ratio Lower Upper

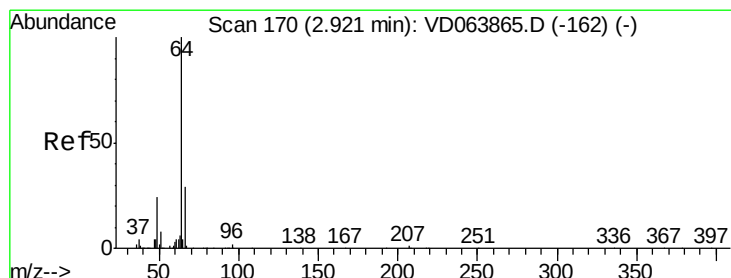
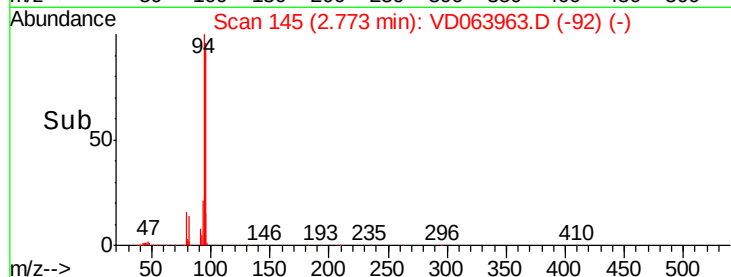
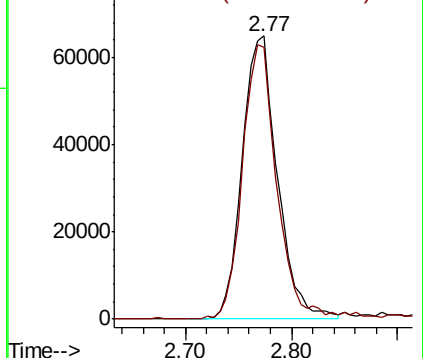
94 100

96 95.9 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.679 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063963.D

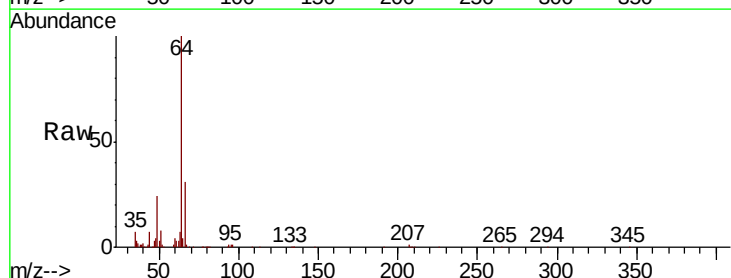
Acq: 15 Oct 2019 10:48

Tgt Ion: 64 Resp: 164740

Ion Ratio Lower Upper

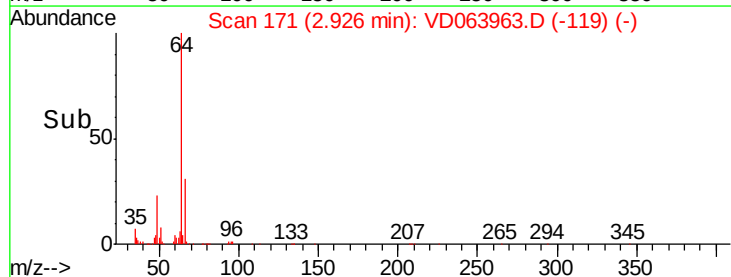
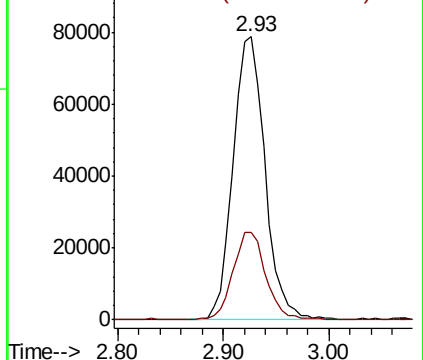
64 100

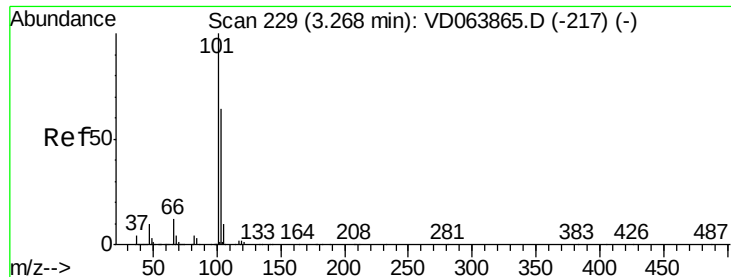
66 31.1 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



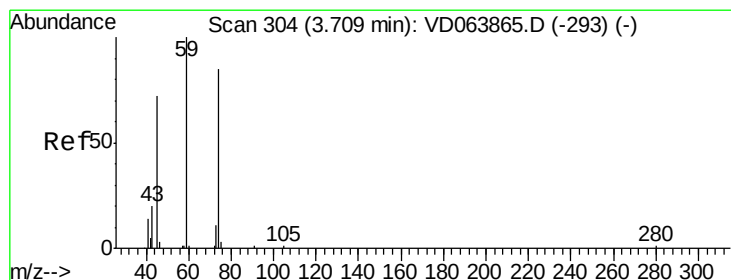
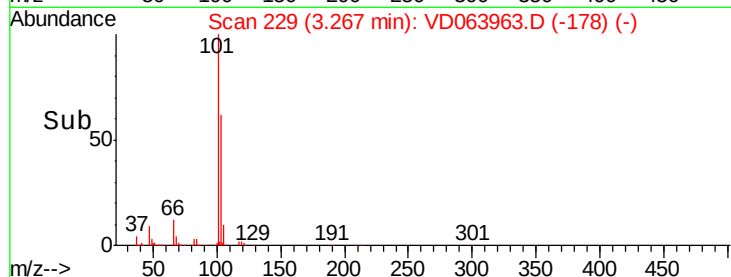
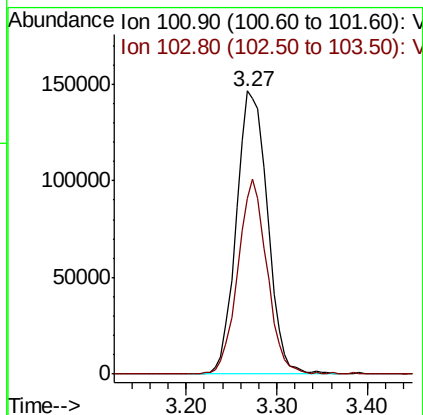
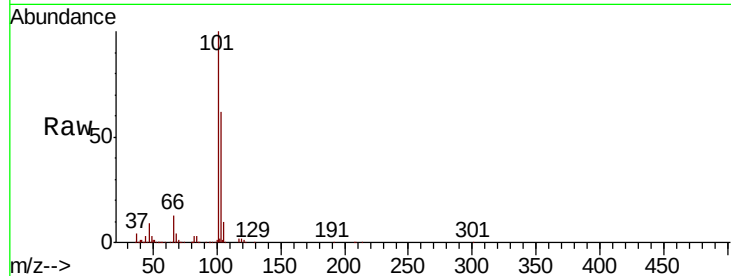


#7

Trichlorofluoromethane
 Concen: 55.007 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

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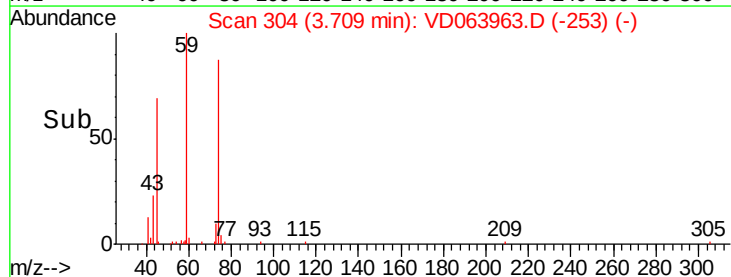
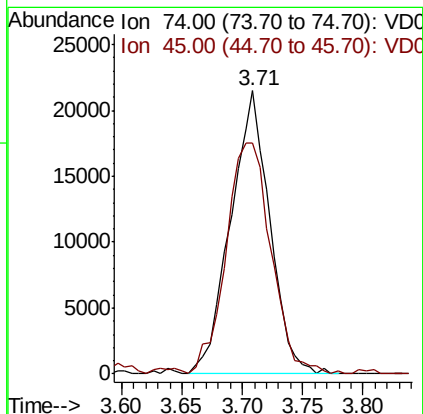
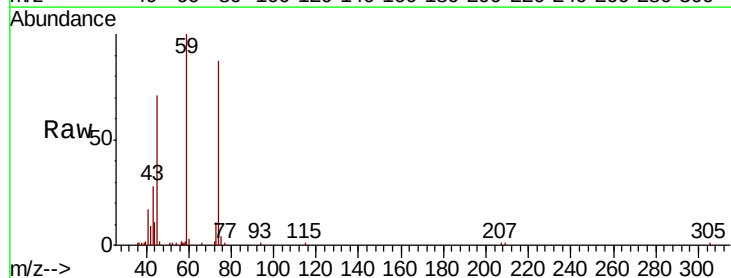
Tot Ion:101 Resp: 350560
 Ion Ratio Lower Upper
 101 100
 103 62.1 51.1 76.7

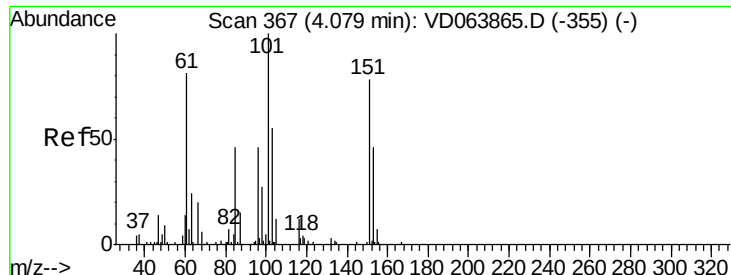


#8

Diethyl Ether
 Concen: 47.429 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 74 Resp: 48516
 Ion Ratio Lower Upper
 74 100
 45 93.8 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.089 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

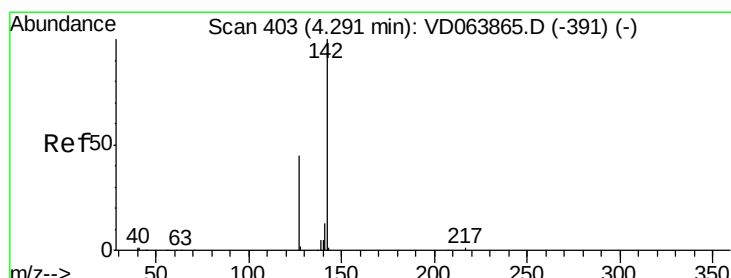
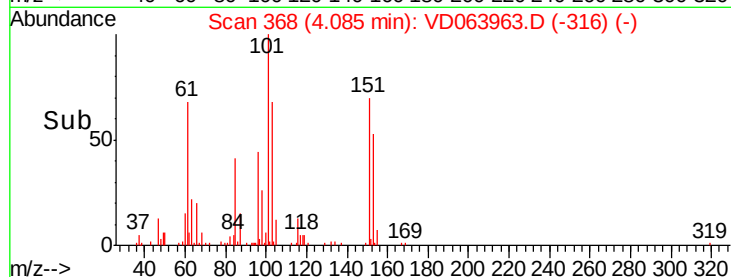
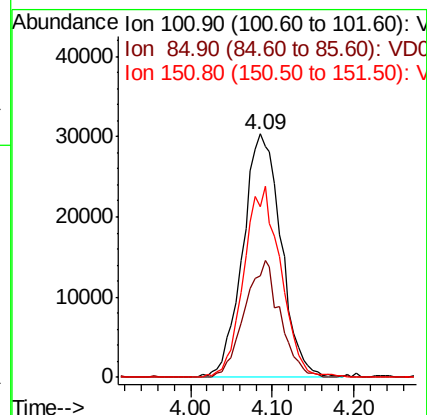
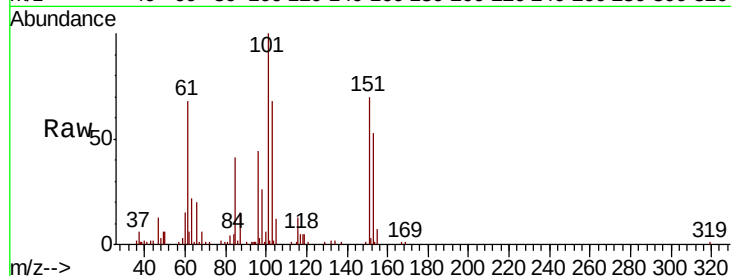
Tot Ion:101 Resp: 98948

Ion Ratio Lower Upper

101 100

85 44.7 37.5 56.3

151 75.4 65.5 98.3



#10

Methyl Iodide

Concen: 51.137 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

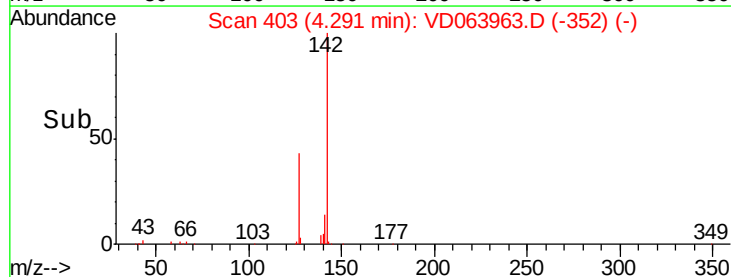
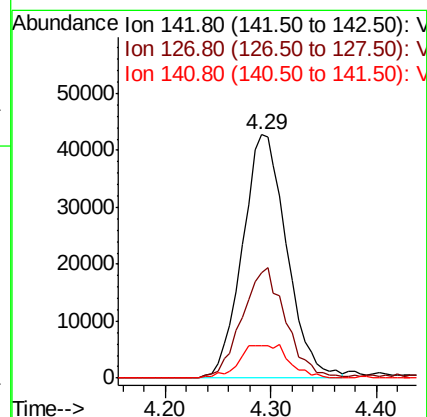
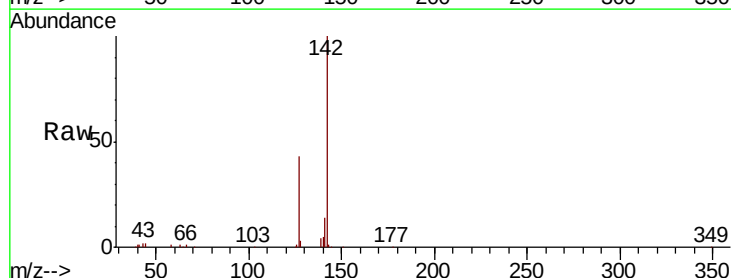
Tgt Ion:142 Resp: 124306

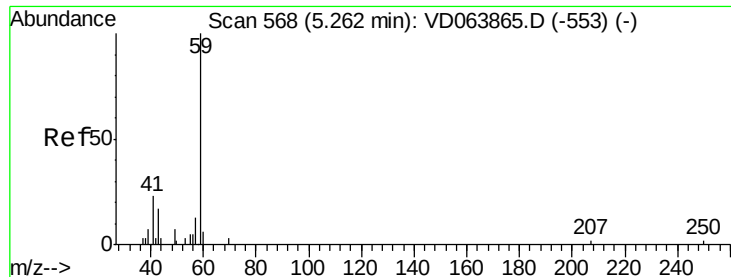
Ion Ratio Lower Upper

142 100

127 44.7 35.3 52.9

141 15.2 12.2 18.2



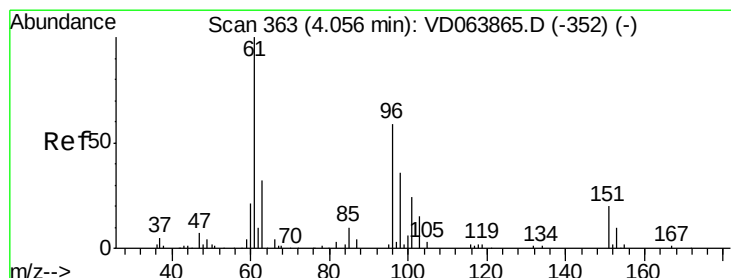
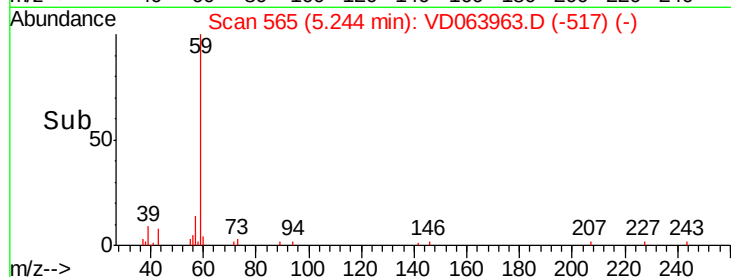
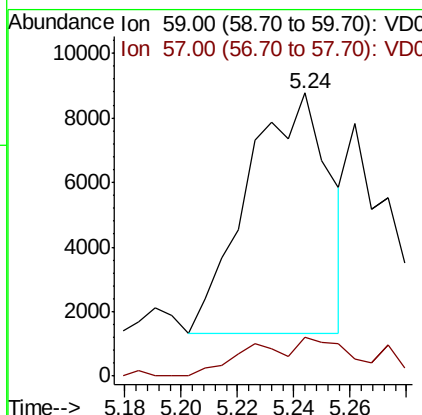
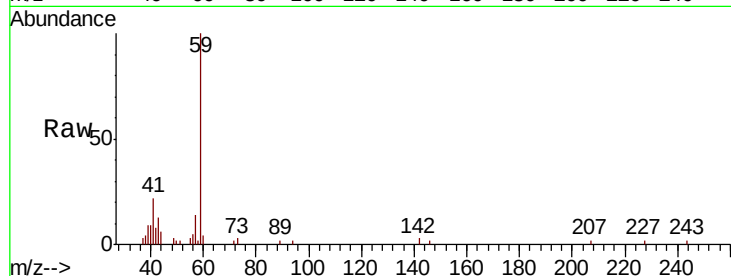


#11

Tert butyl alcohol
 Concen: 100.266 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

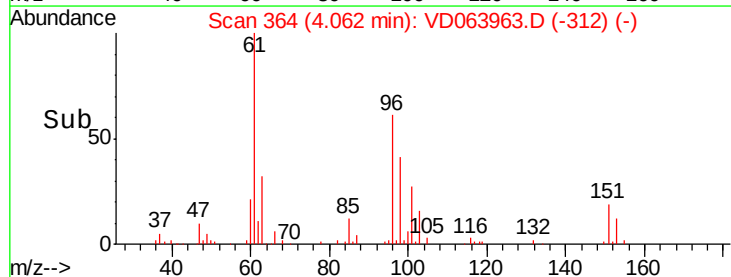
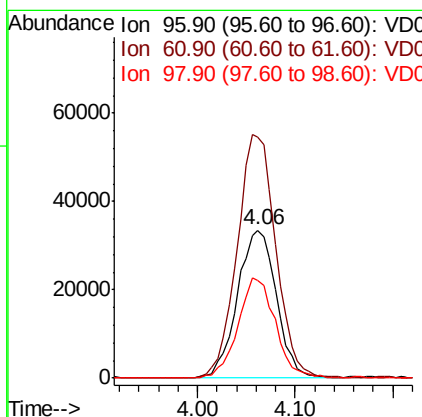
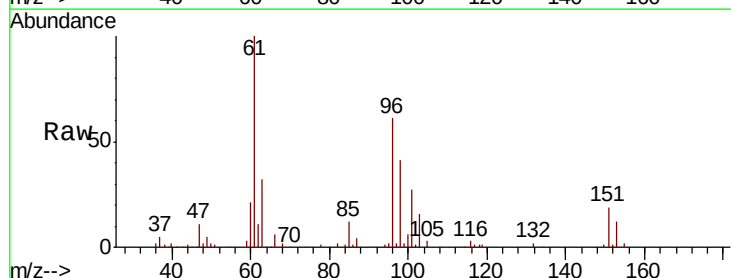
Tot Ion: 59 Resp: 14945
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

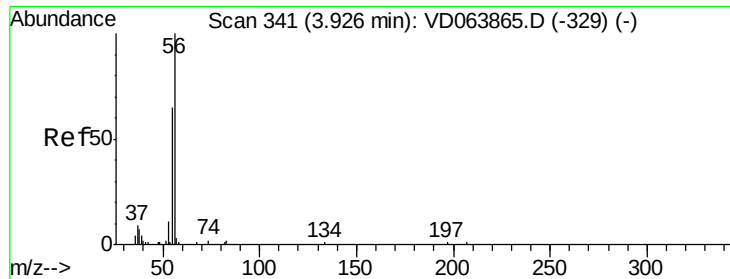


#12

1,1-Dichloroethene
 Concen: 52.731 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 96 Resp: 92938
 Ion Ratio Lower Upper
 96 100
 61 163.1 135.6 203.4
 98 66.5 49.2 73.8

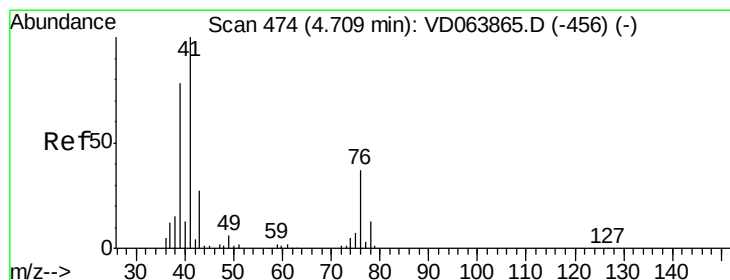
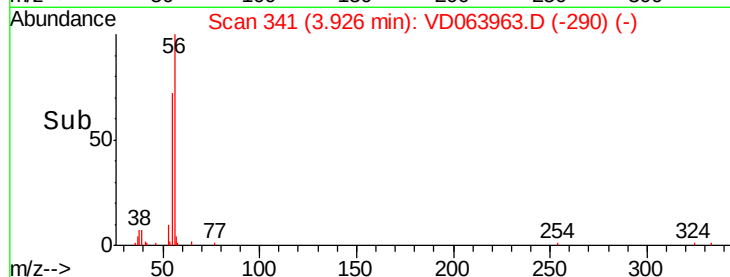
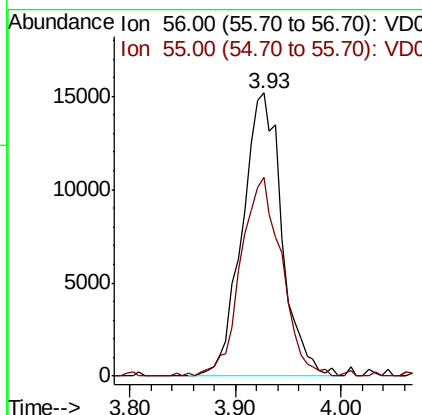
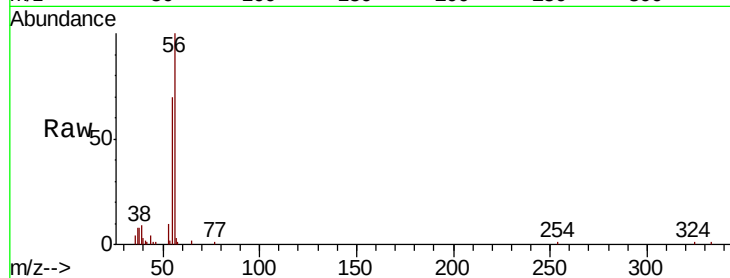




#13
 Acrolein
 Concen: 216.434 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

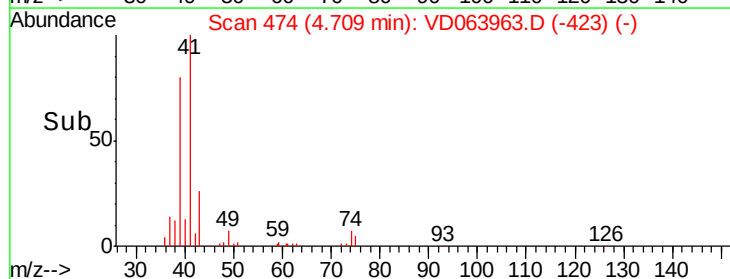
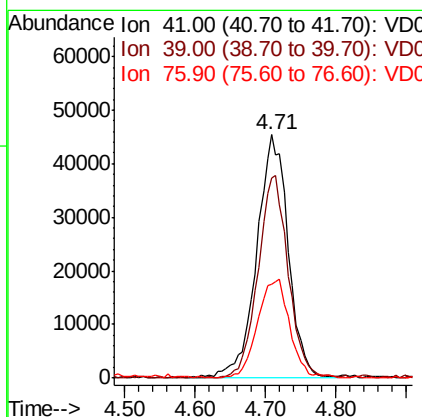
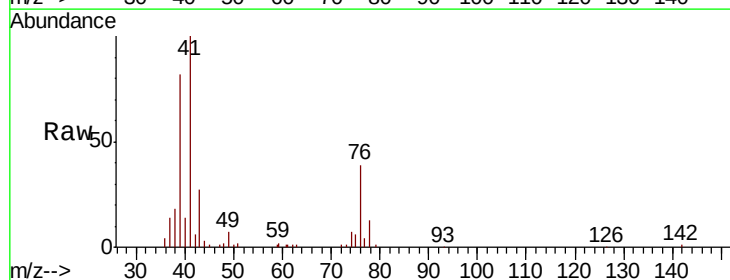
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

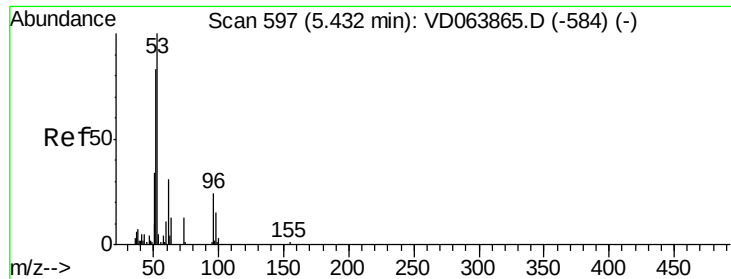
Tot Ion: 56 Resp: 39578
 Ion Ratio Lower Upper
 56 100
 55 72.3 53.0 79.6



#14
 Allyl chloride
 Concen: 48.444 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 41 Resp: 141953
 Ion Ratio Lower Upper
 41 100
 39 80.1 61.8 92.6
 76 41.4 31.3 46.9





#15

Acrylonitrile

Concen: 243.311 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

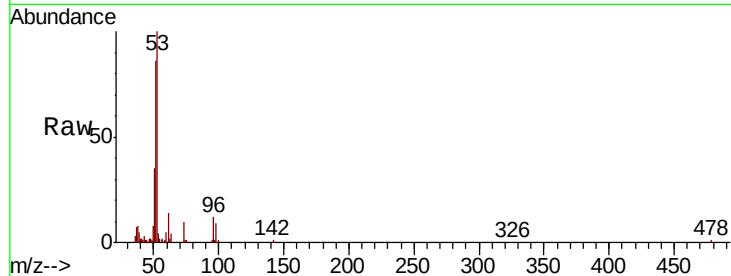
Tot Ion: 53 Resp: 109731

Ion Ratio Lower Upper

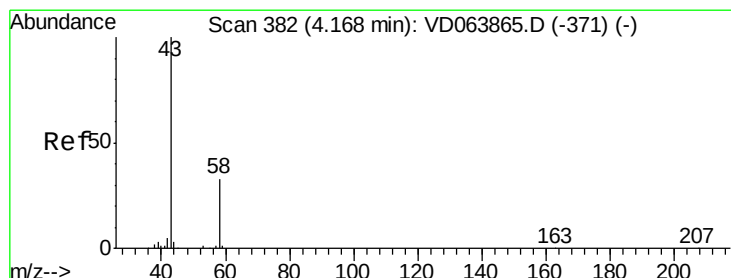
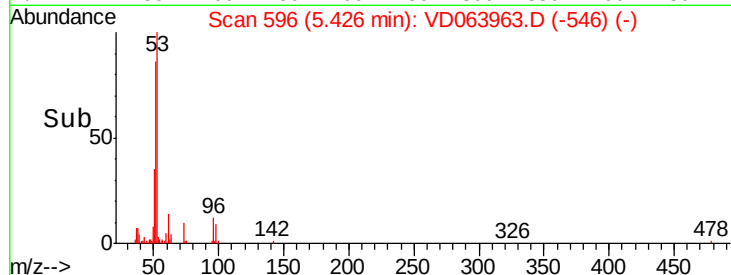
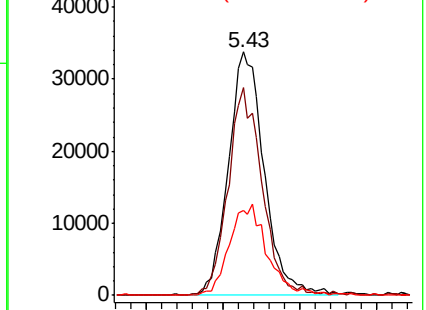
53 100

52 81.1 67.3 100.9

51 37.8 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: 259.150 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063963.D

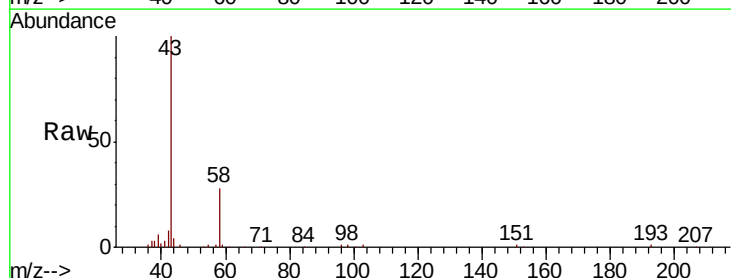
Acq: 15 Oct 2019 10:48

Tgt Ion: 43 Resp: 138142

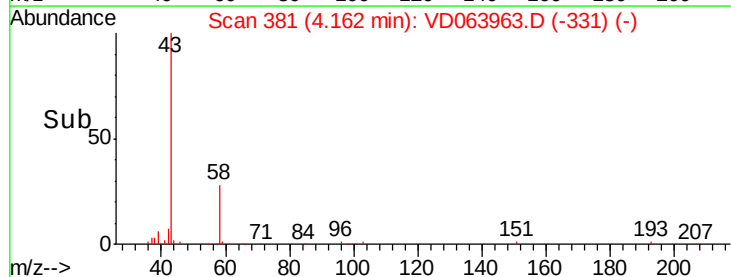
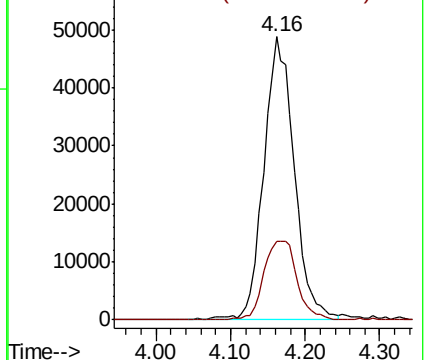
Ion Ratio Lower Upper

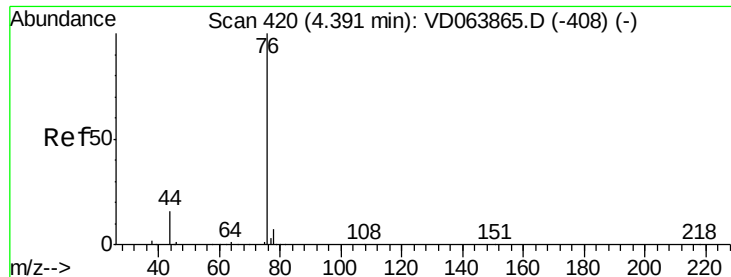
43 100

58 27.7 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: 48.620 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

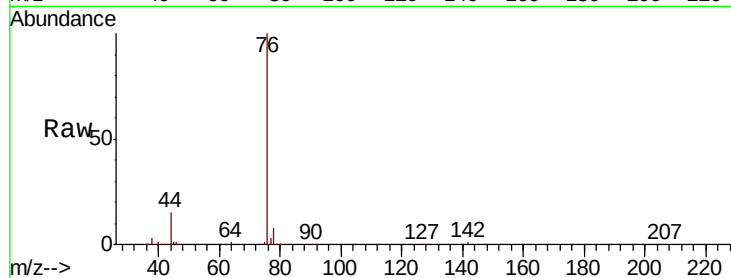
VSTDCCC050

Tot Ion: 76 Resp: 311502

Ion Ratio Lower Upper

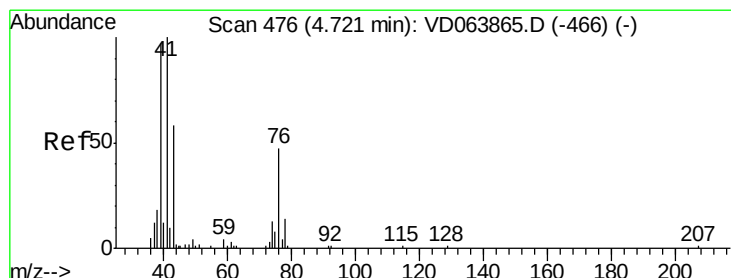
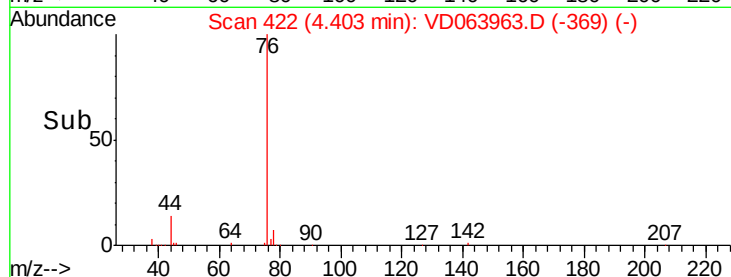
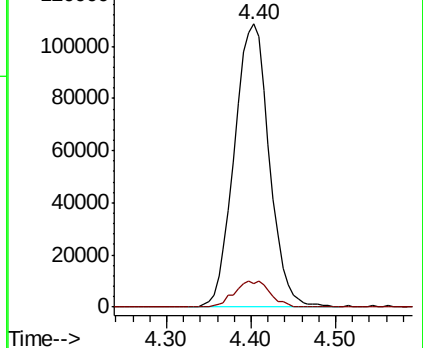
76 100

78 8.3 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: 47.640 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD063963.D

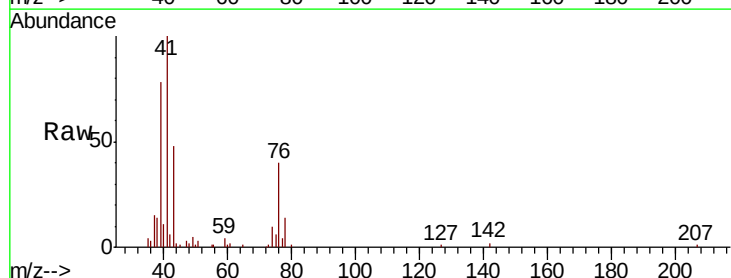
Acq: 15 Oct 2019 10:48

Tgt Ion: 43 Resp: 49669

Ion Ratio Lower Upper

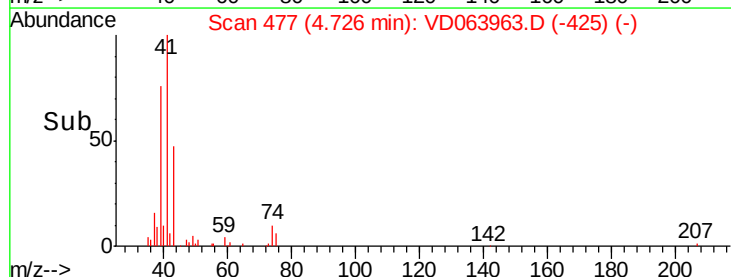
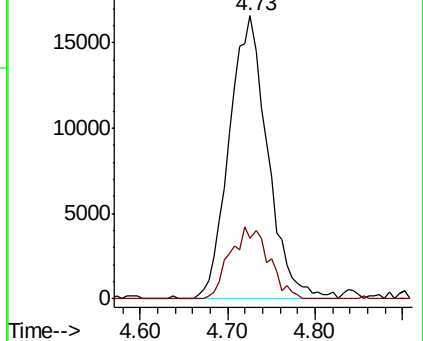
43 100

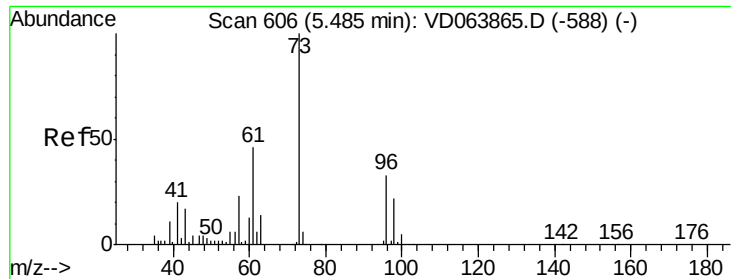
74 25.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

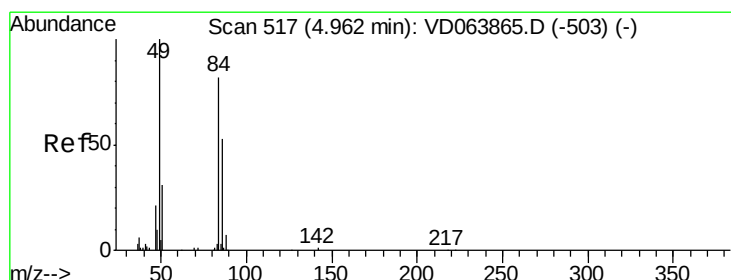
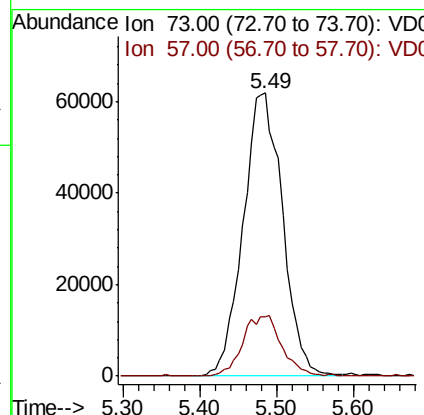
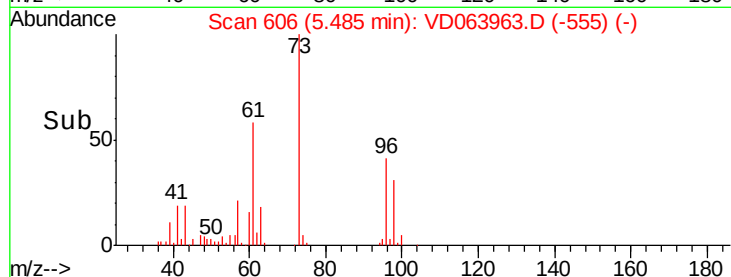
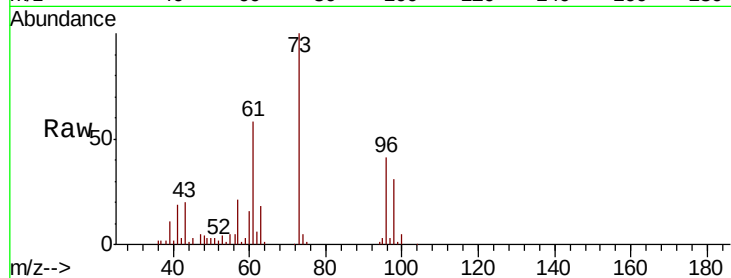




#19
Methyl tert-butyl Ether
Concen: 48.545 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

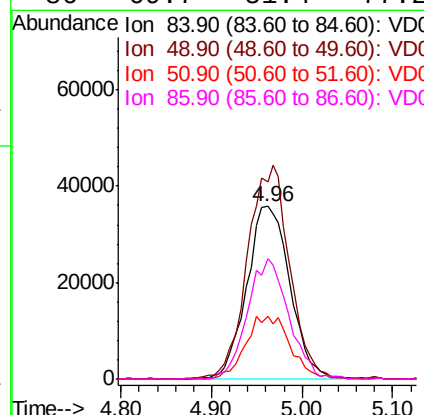
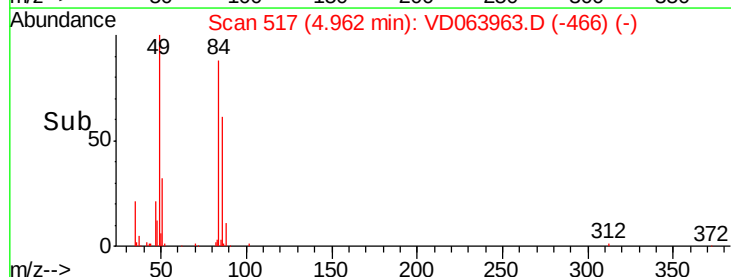
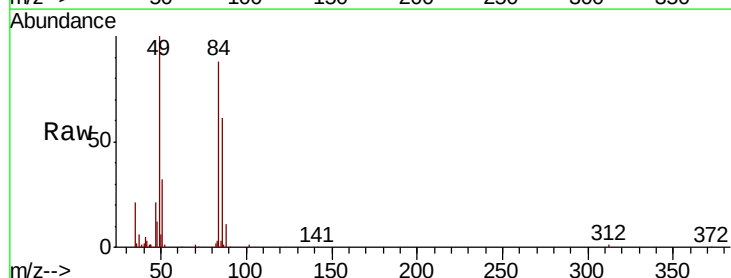
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

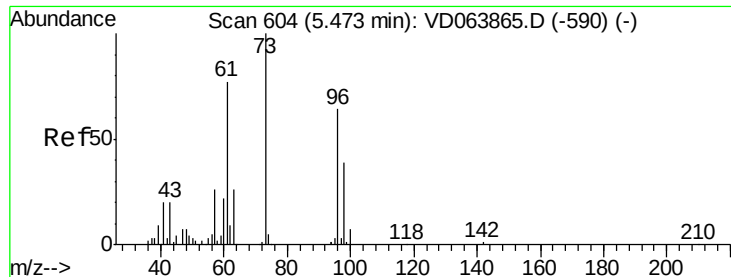
Tot Ion: 73 Resp: 221559
Ion Ratio Lower Upper
73 100
57 21.2 18.1 27.1



#20
Methylene Chloride
Concen: 50.060 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 84 Resp: 118396
Ion Ratio Lower Upper
84 100
49 113.4 97.3 145.9
51 36.5 30.1 45.1
86 69.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.450 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

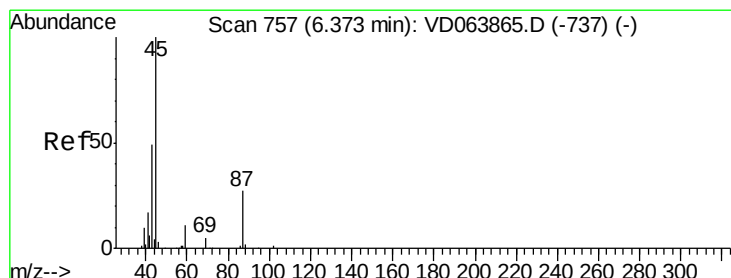
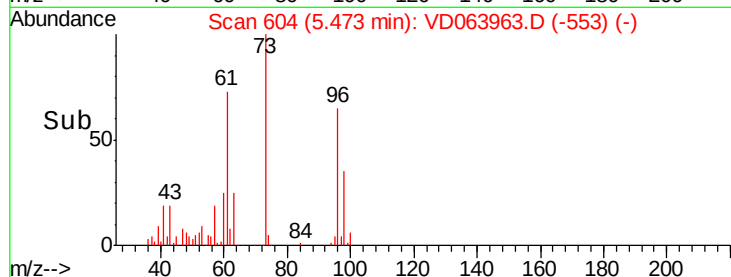
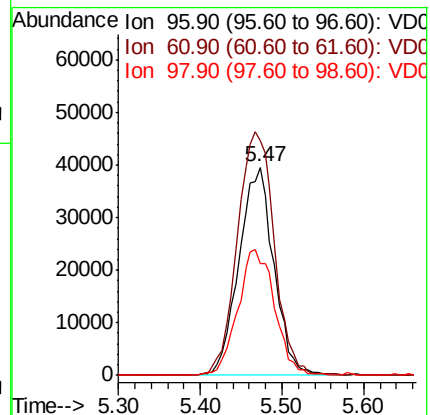
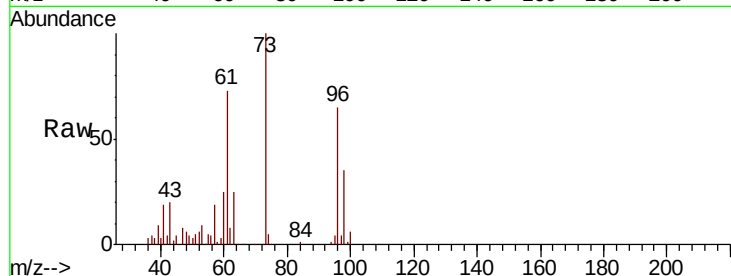
Tot Ion: 96 Resp: 117274

Ion Ratio Lower Upper

96 100

61 113.0 96.6 145.0

98 53.9 48.7 73.1



#22

Diisopropyl ether

Concen: 49.124 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion: 45 Resp: 293984

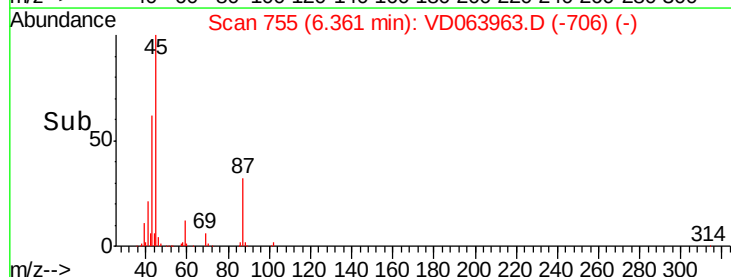
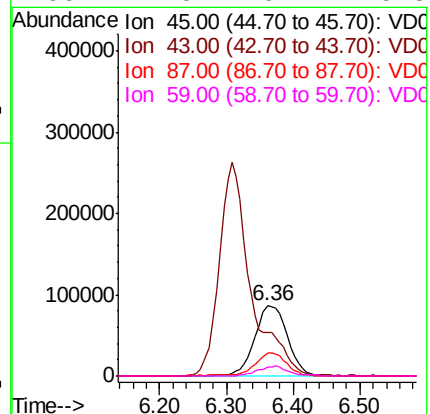
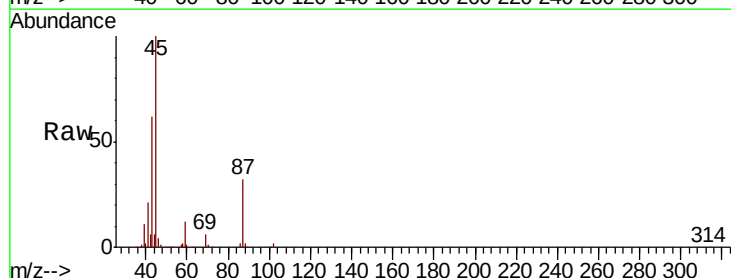
Ion Ratio Lower Upper

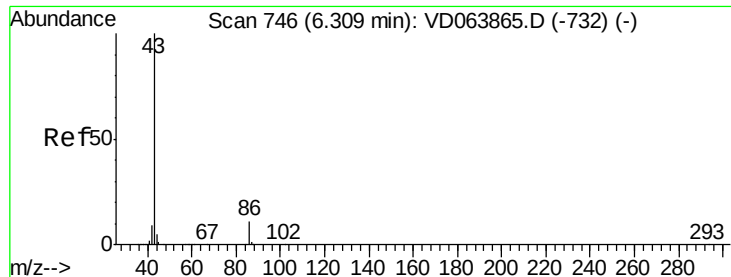
45 100

43 61.1 41.2 61.8

87 32.2 22.2 33.4

59 11.8 9.2 13.8





#23

Vinyl Acetate

Concen: 244.551 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

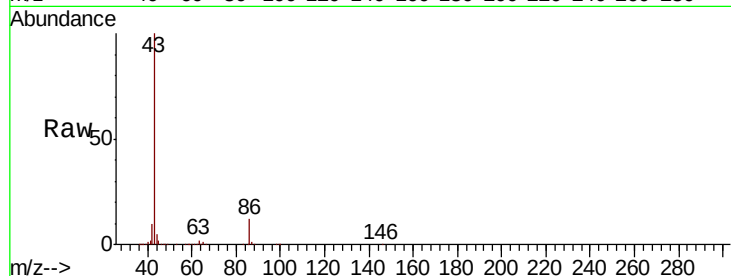
VSTDCCC050

Tot Ion: 43 Resp: 870627

Ion Ratio Lower Upper

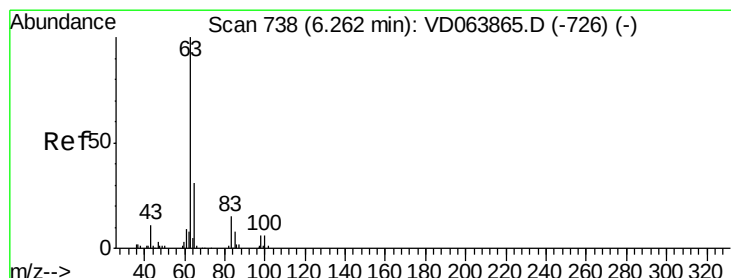
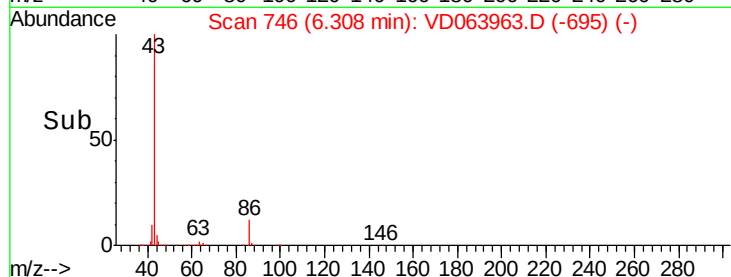
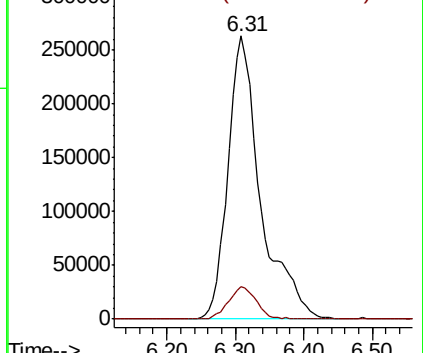
43 100

86 11.7 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: 51.890 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

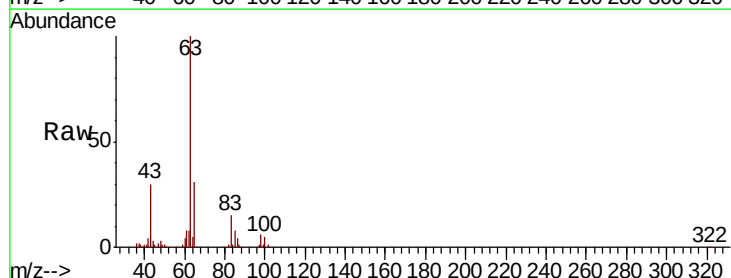
Tgt Ion: 63 Resp: 191278

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

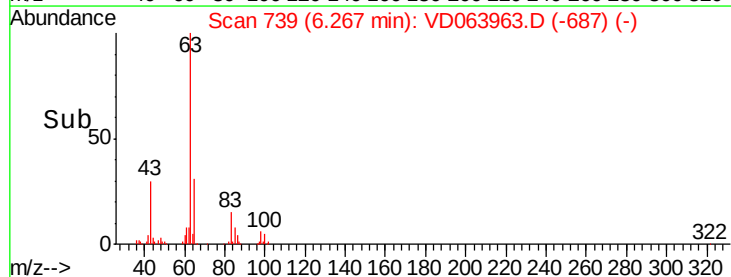
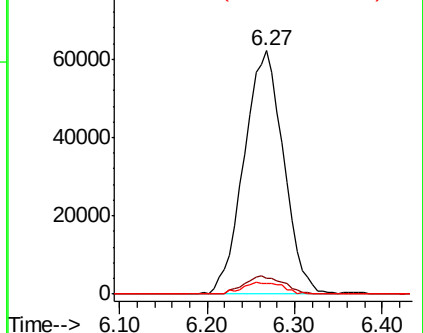
100 4.6 3.0 9.2

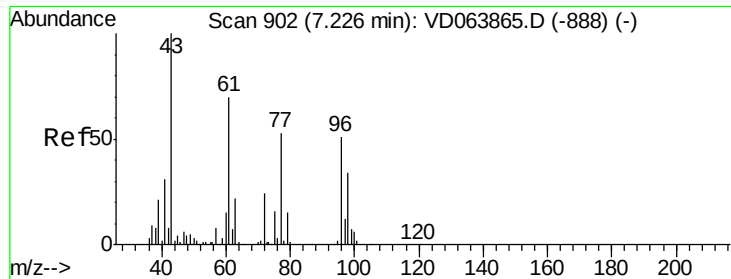


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

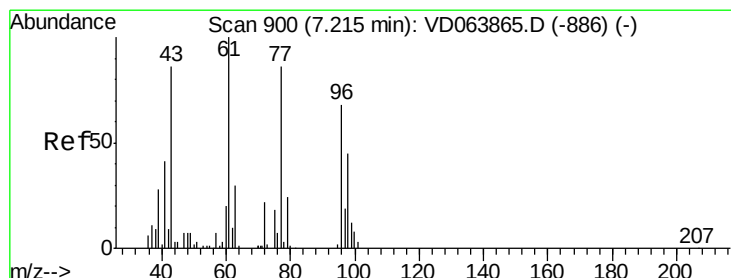
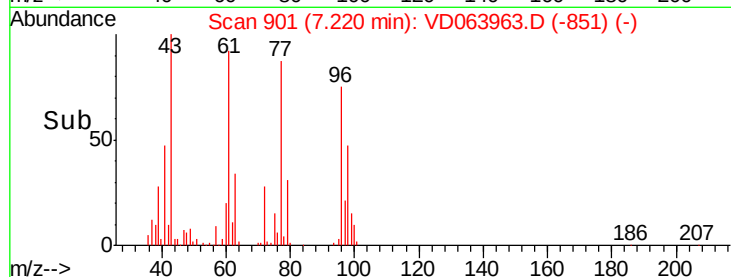
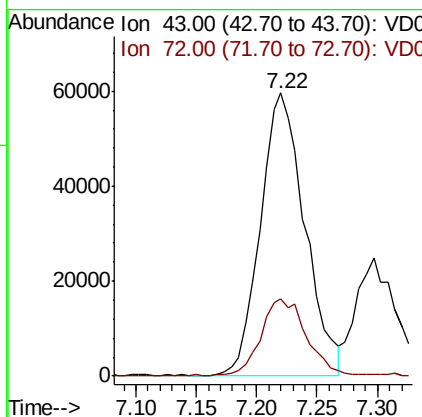
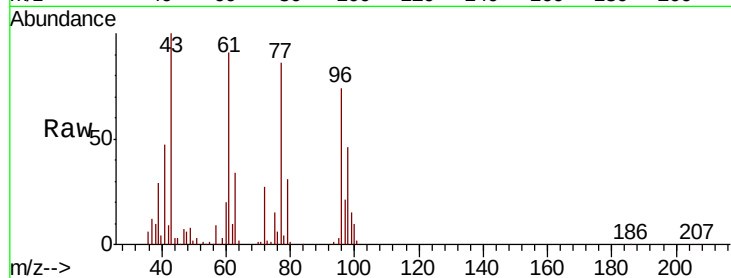




#25
 2-Butanone
 Concen: 242.106 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

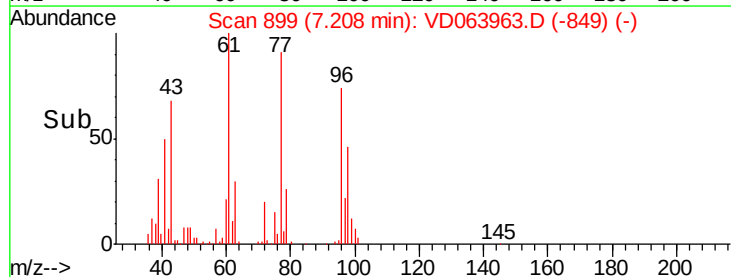
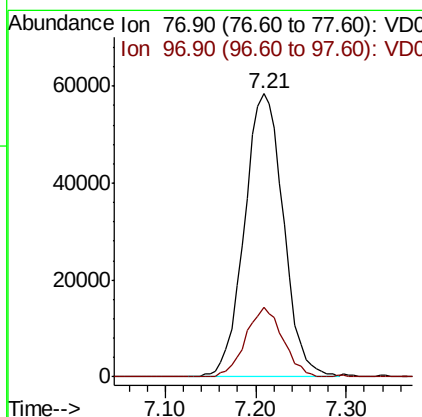
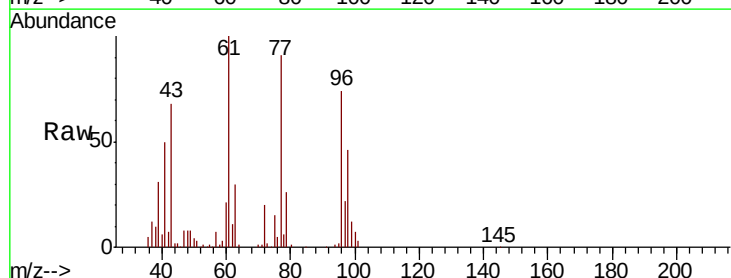
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

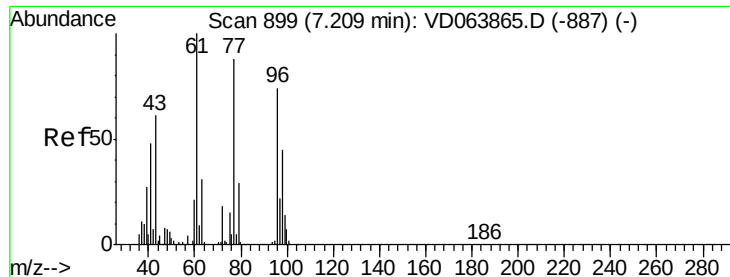
Tot Ion: 43 Resp: 152946
 Ion Ratio Lower Upper
 43 100
 72 27.6 19.2 28.8



#26
 2,2-Dichloropropane
 Concen: 52.463 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 77 Resp: 174939
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.4 34.1



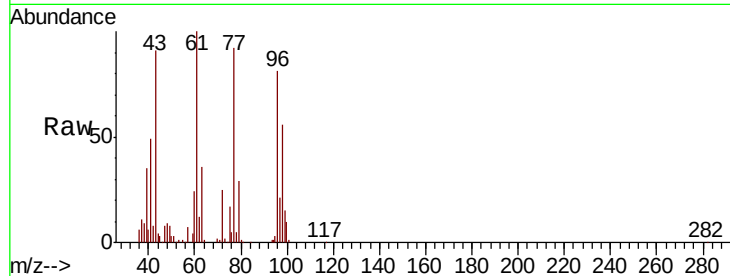


#27

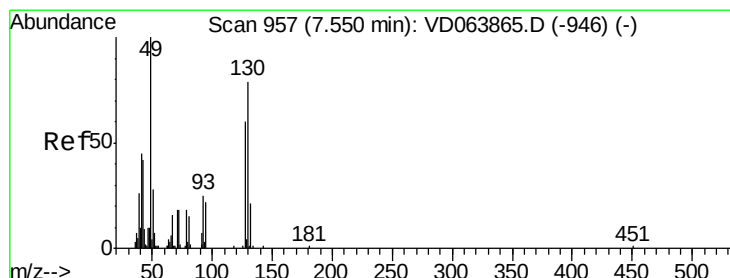
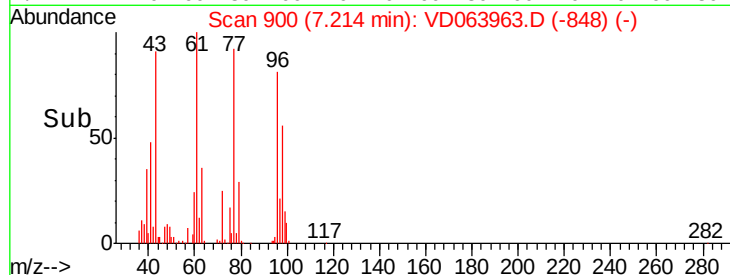
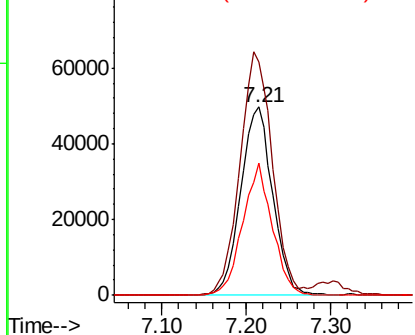
cis-1,2-Dichloroethene
 Concen: 52.772 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 131056
 Ion Ratio Lower Upper
 96 100
 61 131.3 0.0 280.0
 98 64.9 0.0 130.4



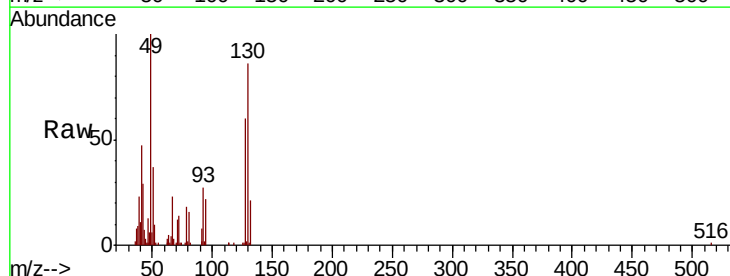
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



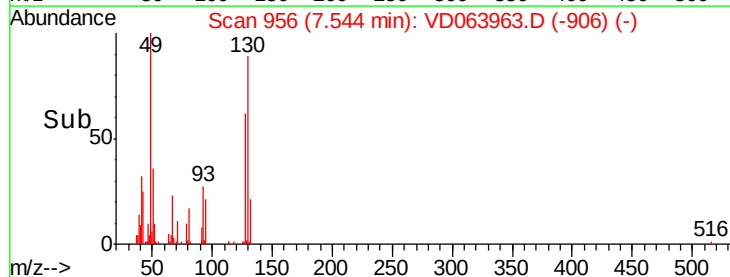
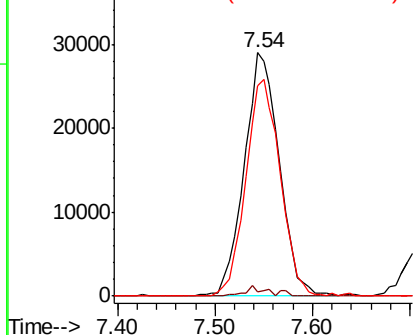
#28

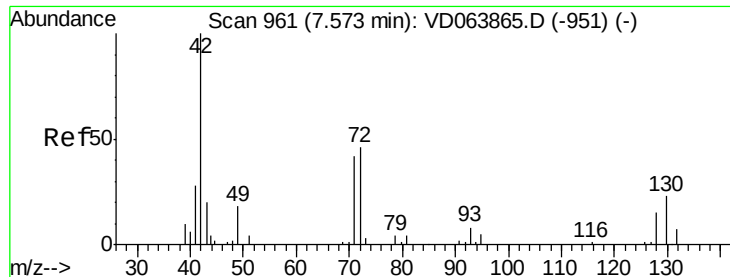
Bromochloromethane
 Concen: 51.613 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 49 Resp: 72420
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 5.6
 130 87.7 66.8 100.2



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

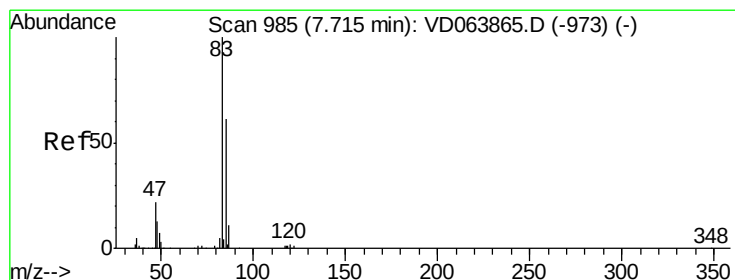
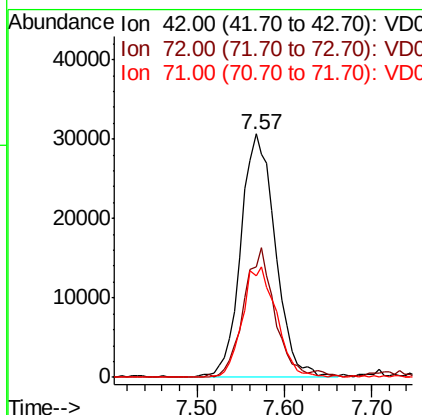
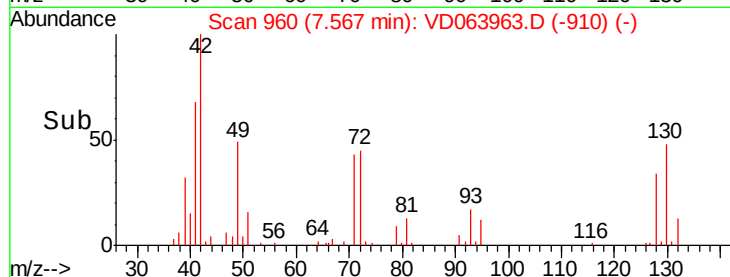
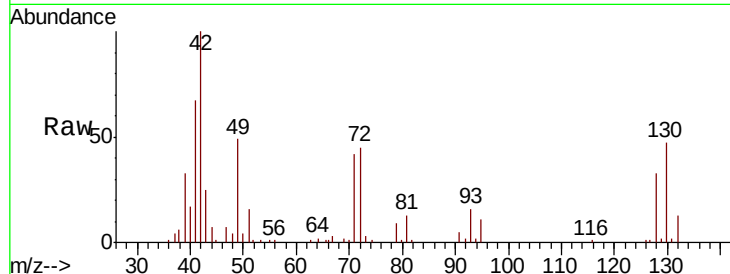




#29
Tetrahydrofuran
Concen: 222.464 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

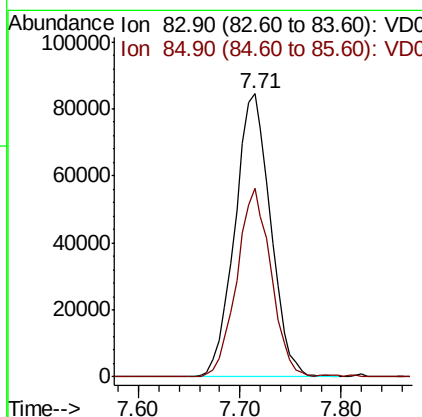
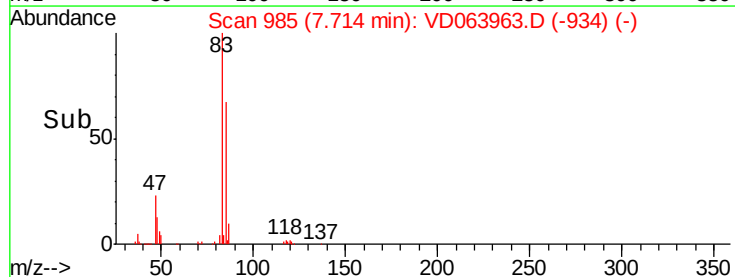
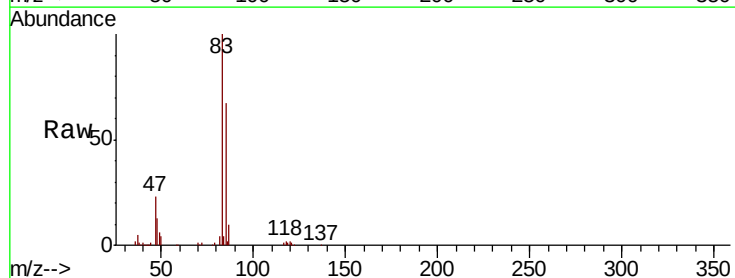
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

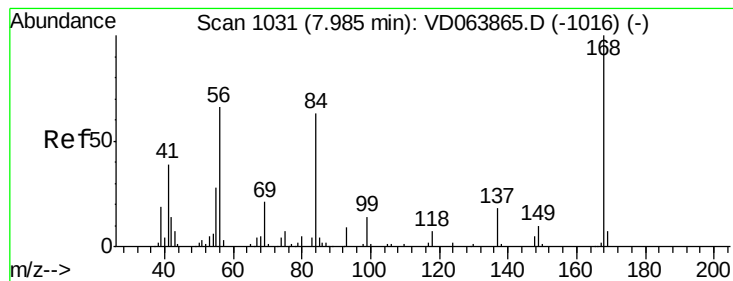
Tot Ion: 42 Resp: 82029
Ion Ratio Lower Upper
42 100
72 47.1 37.6 56.4
71 44.7 35.0 52.6



#30
Chloroform
Concen: 51.697 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 83 Resp: 206977
Ion Ratio Lower Upper
83 100
85 66.9 48.9 73.3





#31

Cyclohexane

Concen: 59.595 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

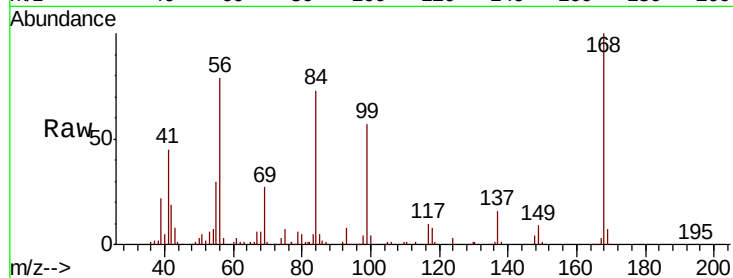
Tot Ion: 56 Resp: 179293

Ion Ratio Lower Upper

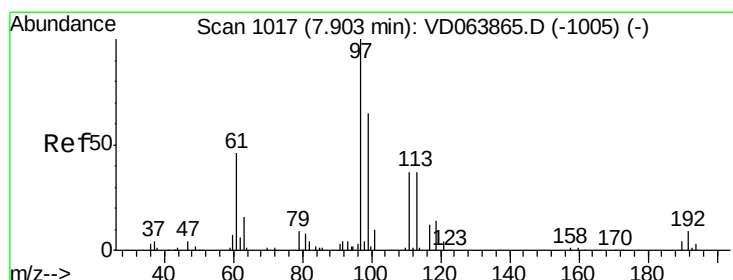
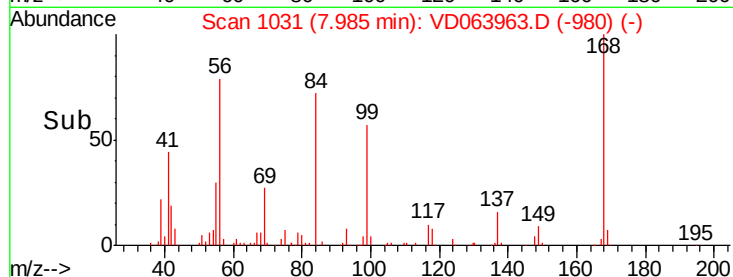
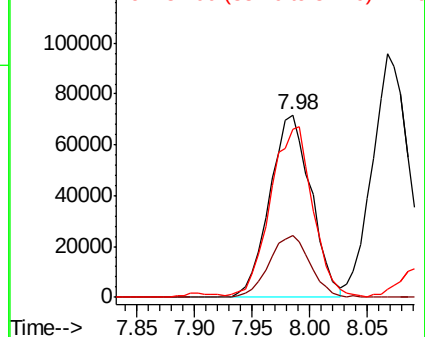
56 100

69 34.1 25.0 37.4

84 90.0 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: 54.281 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

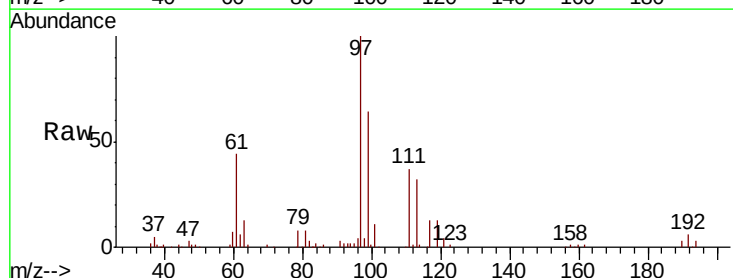
Tgt Ion: 97 Resp: 186422

Ion Ratio Lower Upper

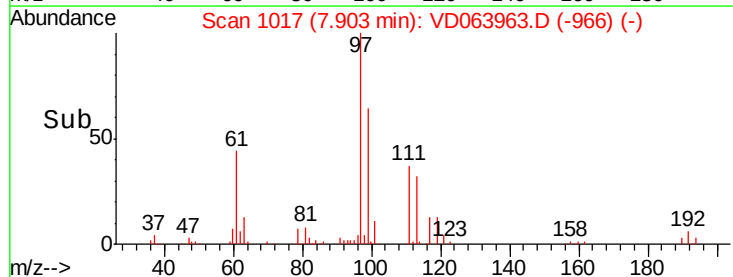
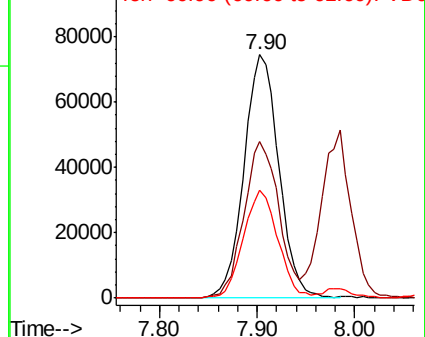
97 100

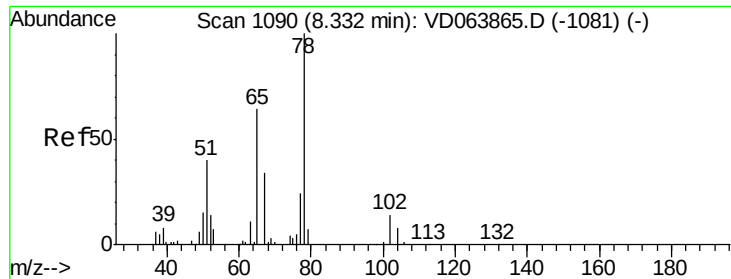
99 64.6 52.4 78.6

61 43.9 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

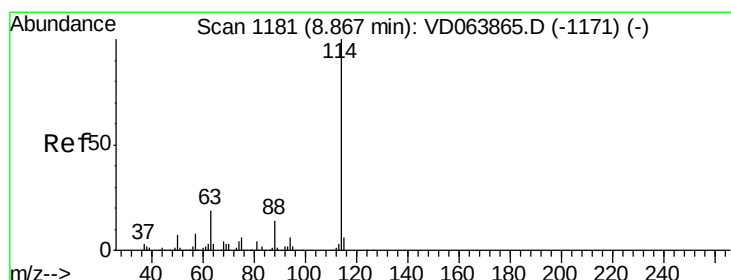
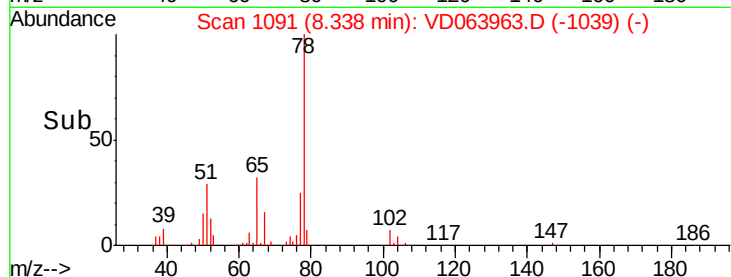
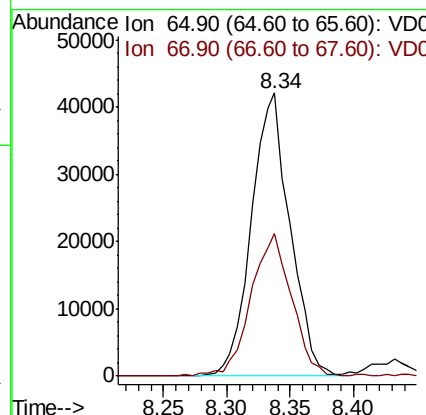
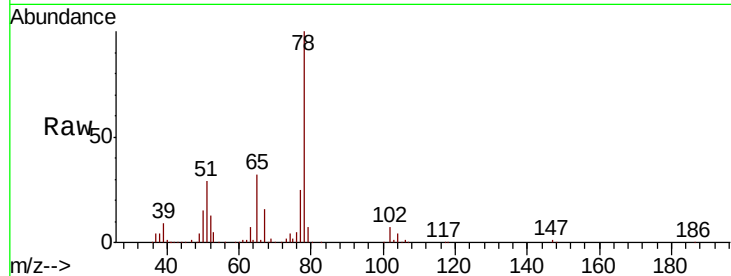




#33
 1,2-Dichloroethane-d4
 Concen: 43.660 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

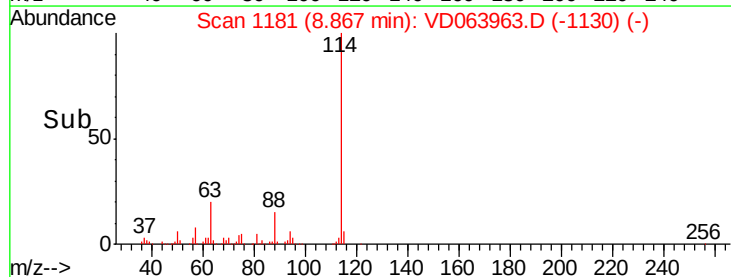
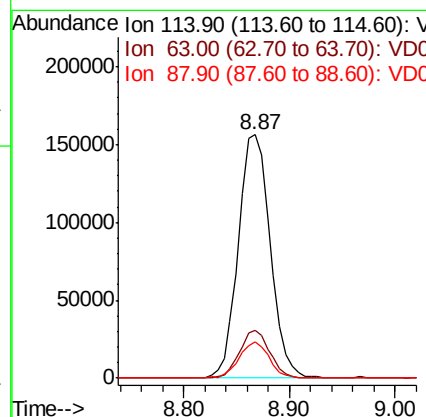
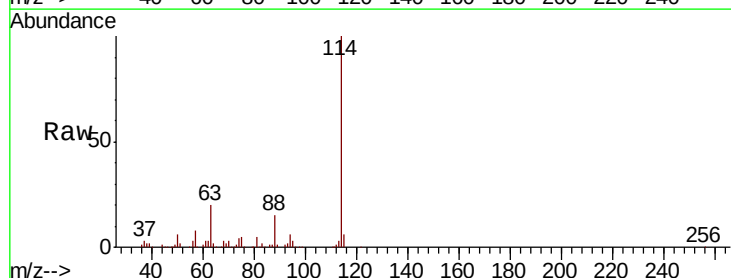
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

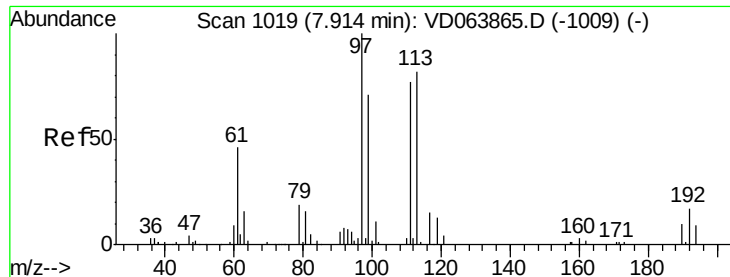
Tot Ion: 65 Resp: 89391
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 114 Resp: 327573
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.4
 88 15.1 0.0 27.4

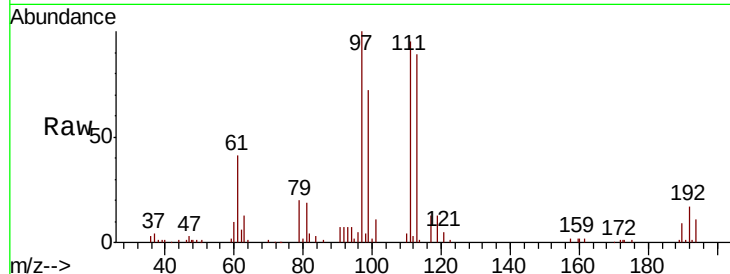




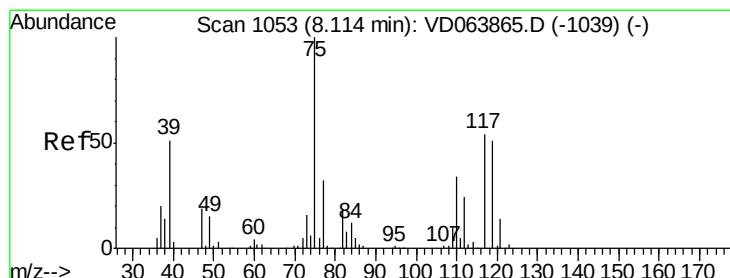
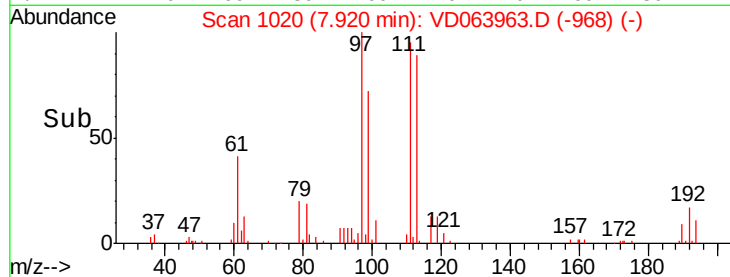
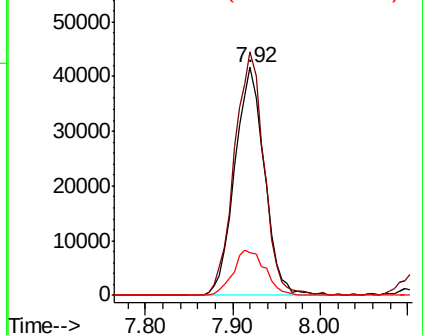
#35
Dibromofluoromethane
Concen: 47.706 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 95502
Ion Ratio Lower Upper
113 100
111 106.4 82.6 123.8
192 21.3 17.1 25.7

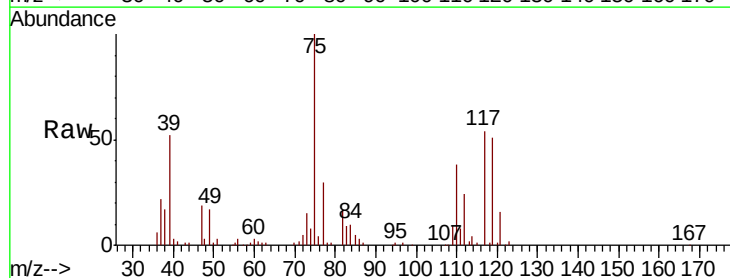


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

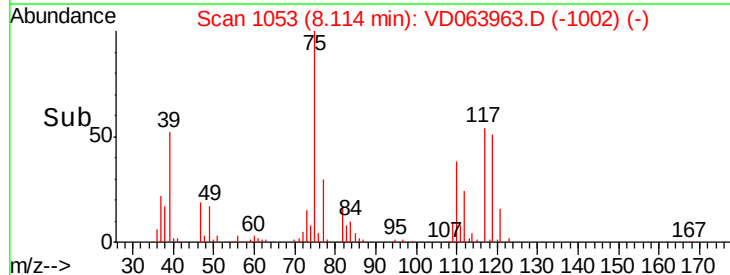
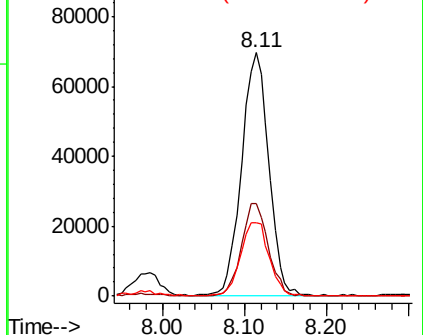


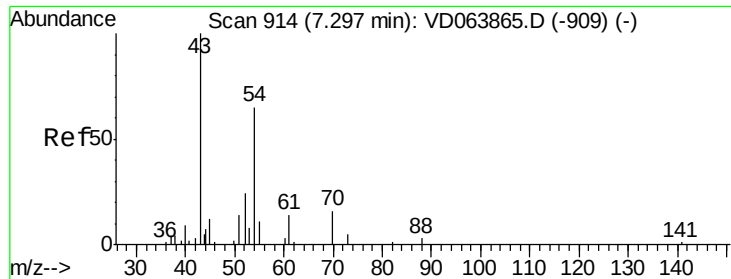
#36
1,1-Dichloropropene
Concen: 54.260 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 75 Resp: 162512
Ion Ratio Lower Upper
75 100
110 37.4 17.4 52.3
77 31.8 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

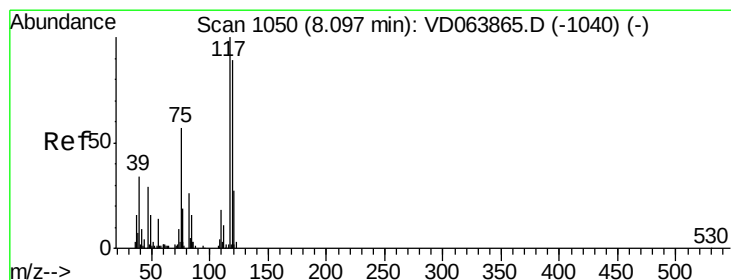
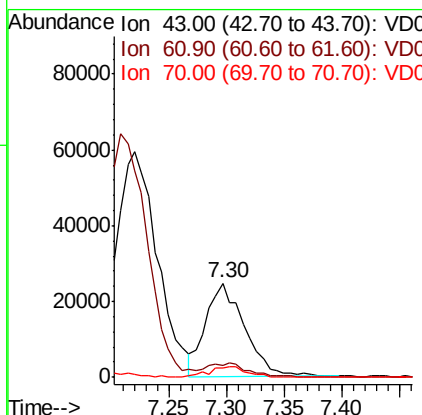
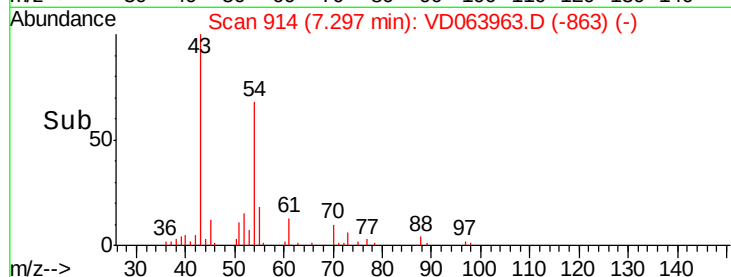
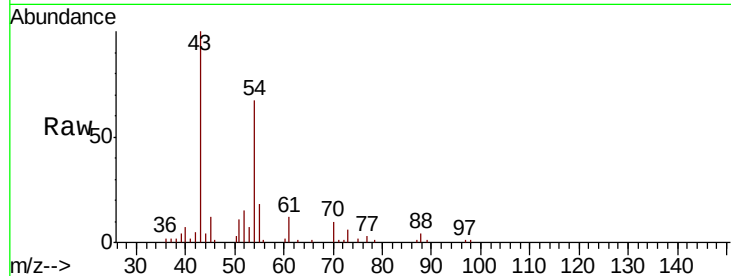




#37
Ethyl Acetate
Concen: 48.006 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

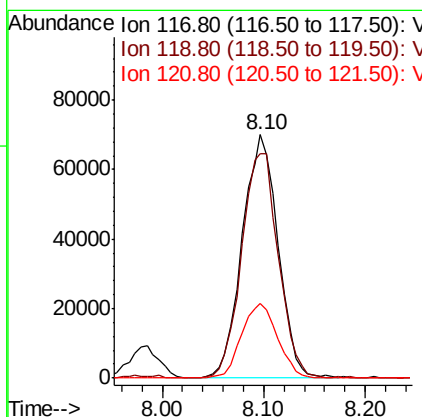
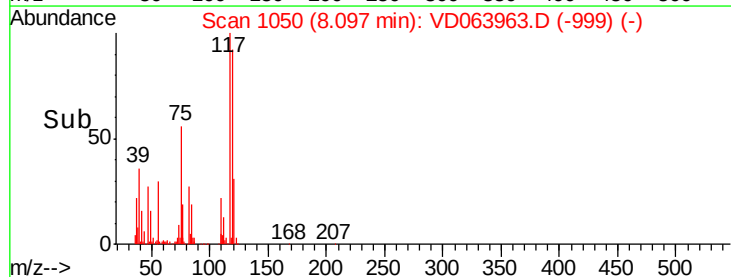
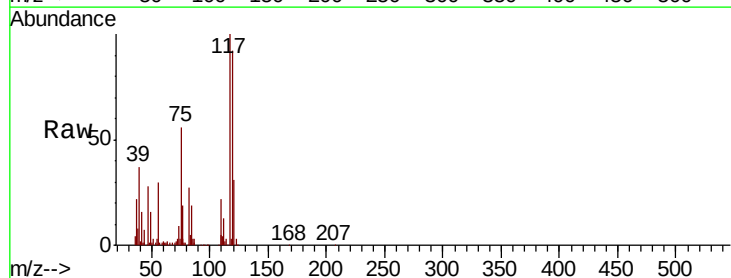
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

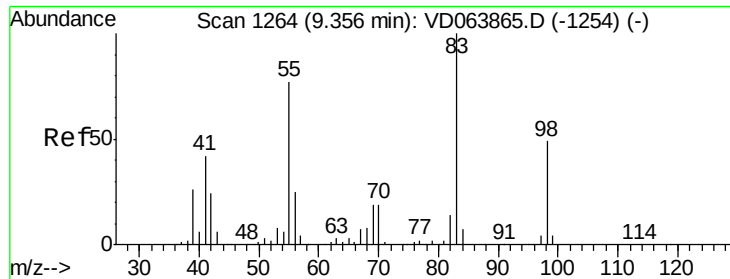
Tot Ion: 43 Resp: 57845
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 11.1 8.2 12.4



#38
Carbon Tetrachloride
Concen: 56.574 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 117 Resp: 171231
Ion Ratio Lower Upper
117 100
119 91.7 70.8 106.2
121 30.7 21.4 32.0

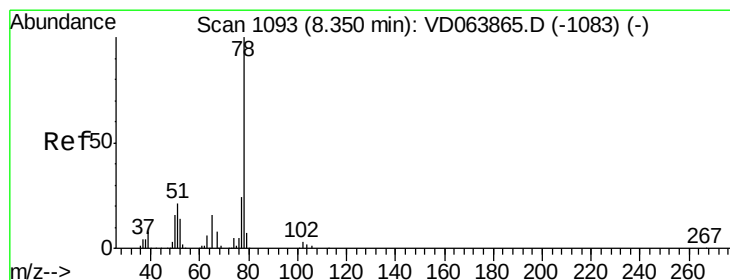
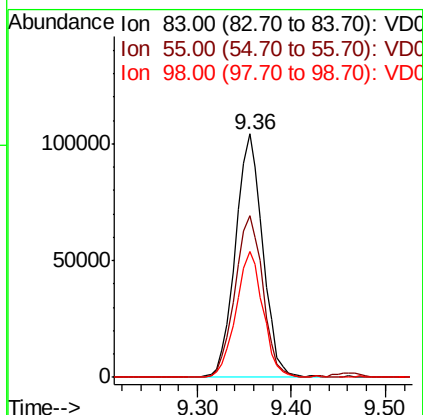
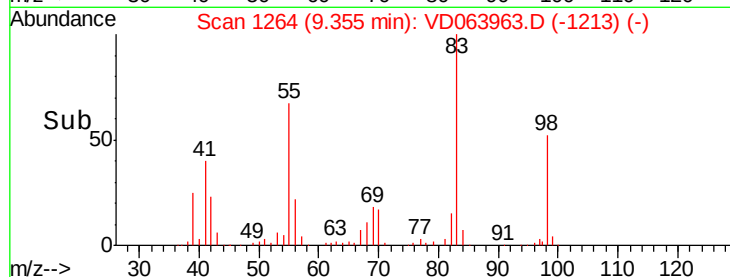
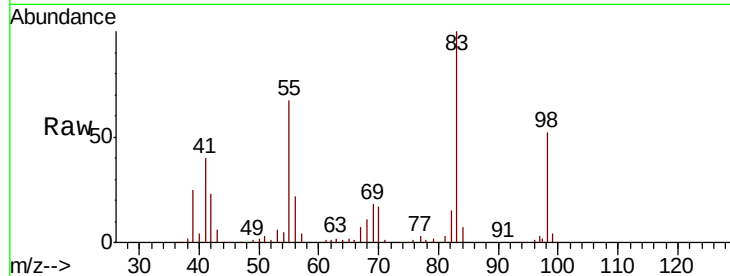




#39
Methylvlcyclohexane
Concen: 56.886 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

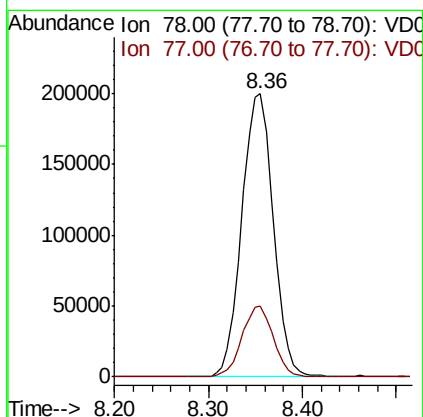
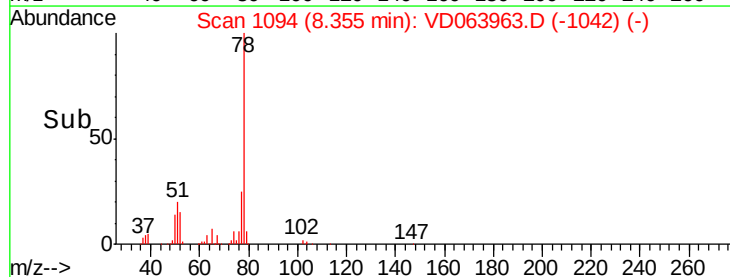
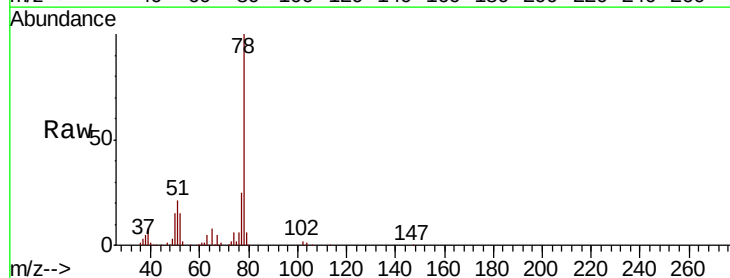
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

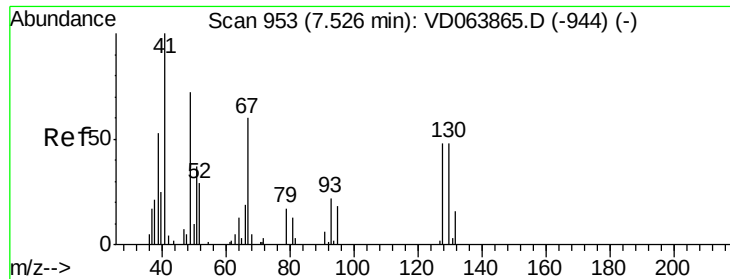
Tot Ion: 83 Resp: 209489
Ion Ratio Lower Upper
83 100
55 66.6 61.3 91.9
98 51.6 39.3 58.9



#40
Benzene
Concen: 54.095 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 78 Resp: 464297
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.6

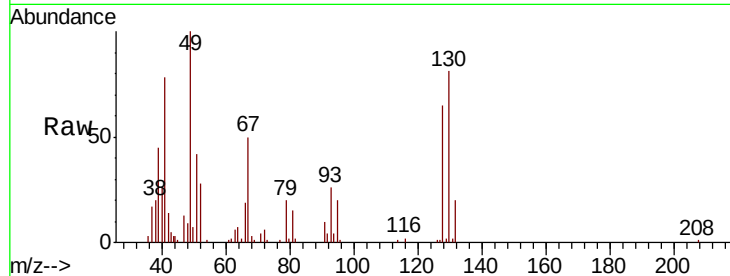




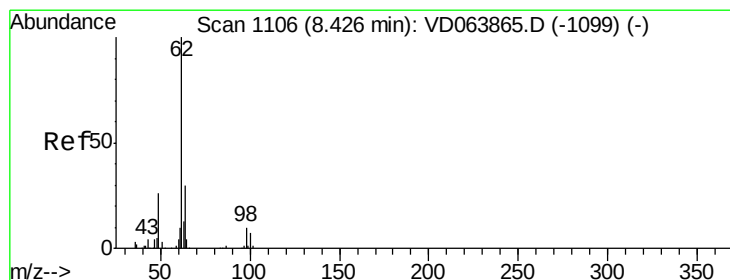
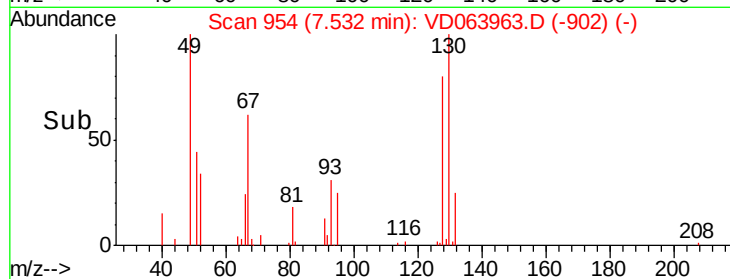
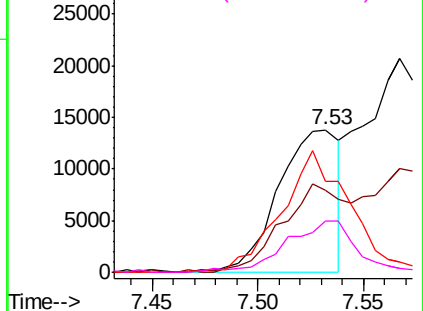
#41
Methacrylonitrile
Concen: 39.852 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	27673
Ion	Ratio	Lower	Upper
41	100		
39	65.0	52.6	78.8
67	96.5	74.2	111.2
52	41.2	34.0	51.0

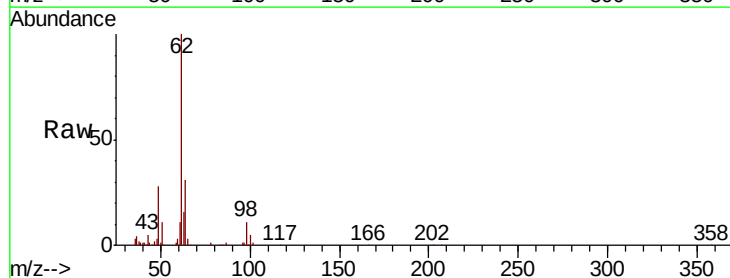


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

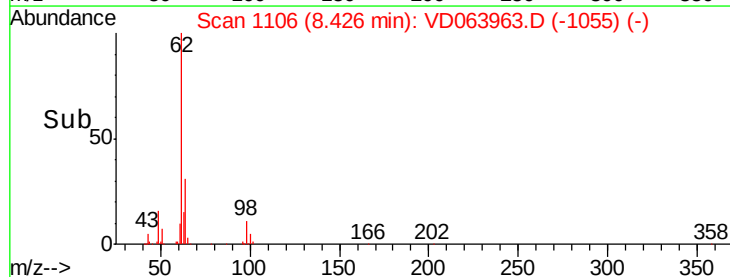
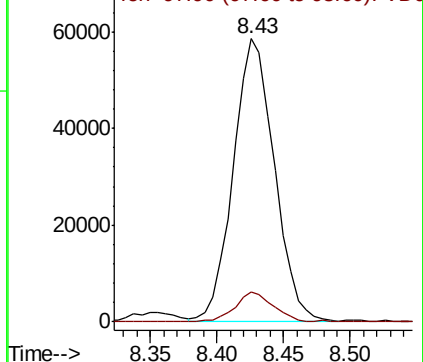


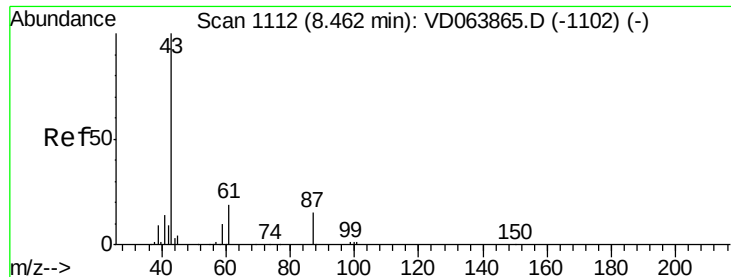
#42
1,2-Dichloroethane
Concen: 50.217 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion:	62	Resp:	124678
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: 45.260 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

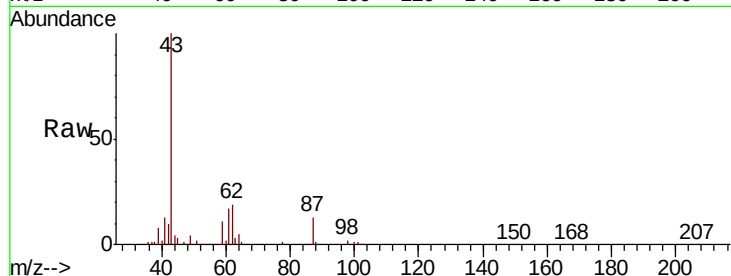
Tot Ion: 43 Resp: 113683

Ion Ratio Lower Upper

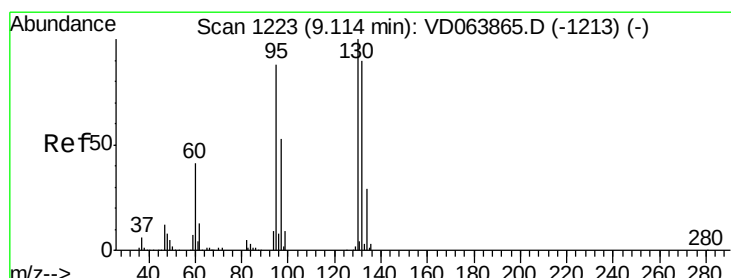
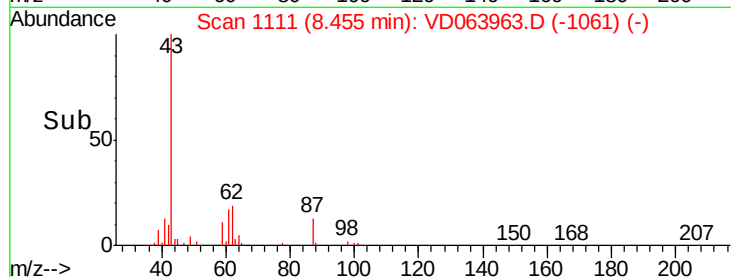
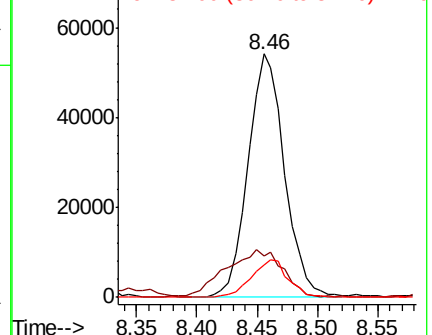
43 100

61 30.4 25.7 38.5

87 15.4 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: 53.975 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063963.D

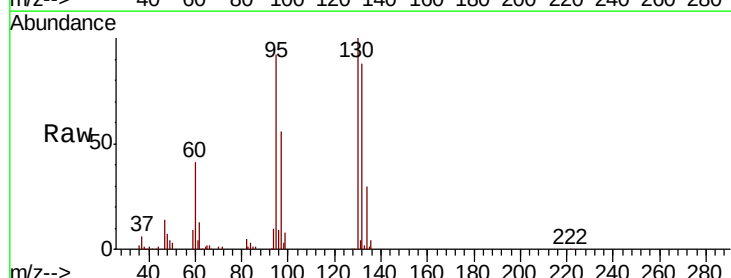
Acq: 15 Oct 2019 10:48

Tgt Ion:130 Resp: 133588

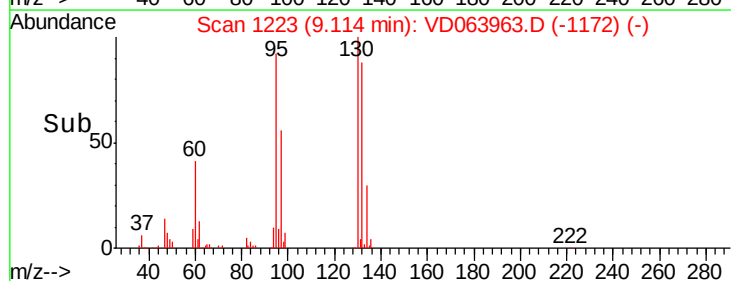
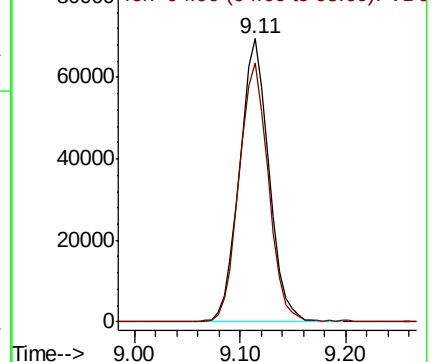
Ion Ratio Lower Upper

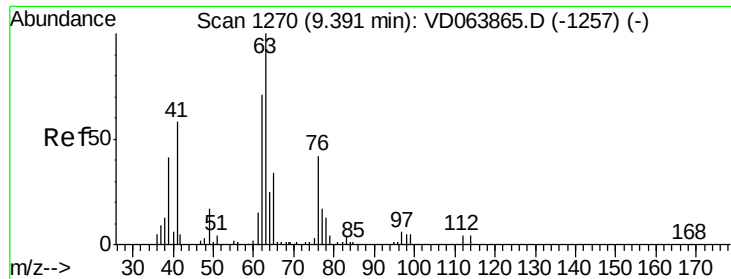
130 100

95 91.5 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

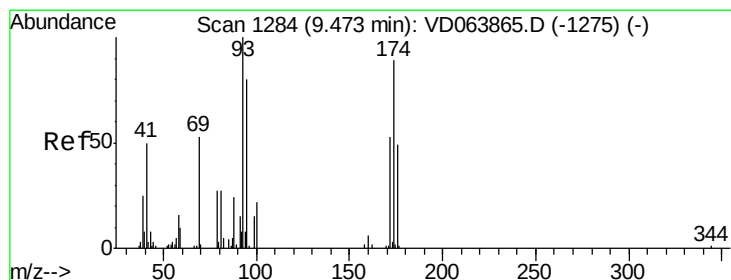
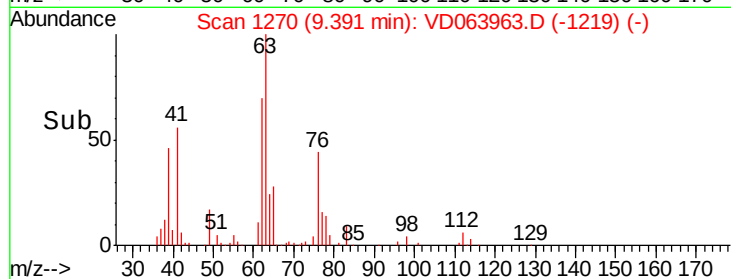
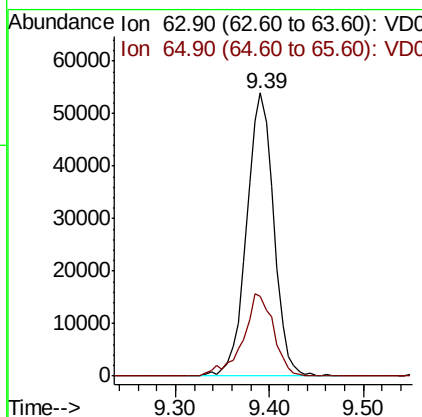
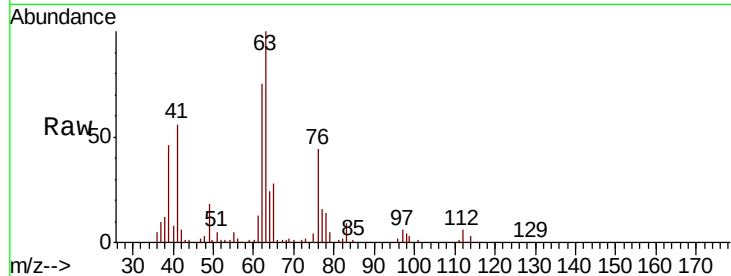




#45
 1,2-Dichloropropane
 Concen: 51.292 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

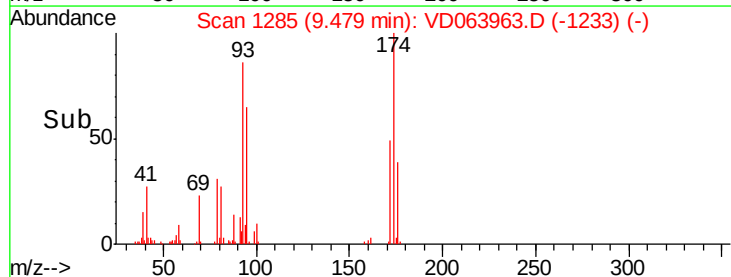
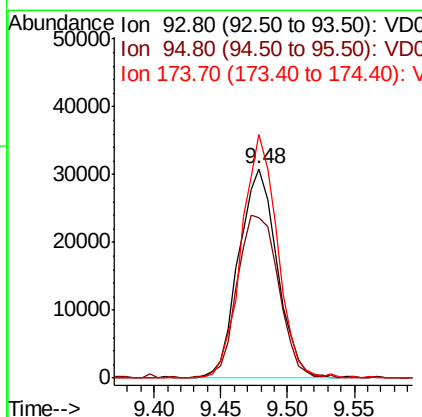
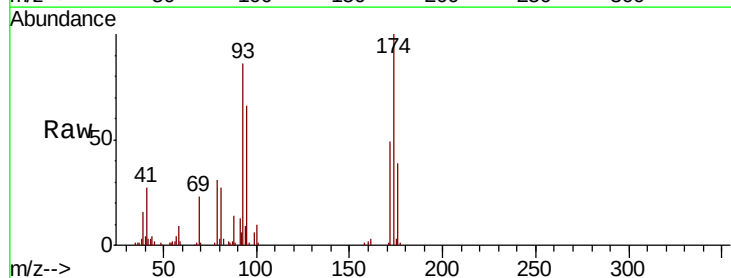
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

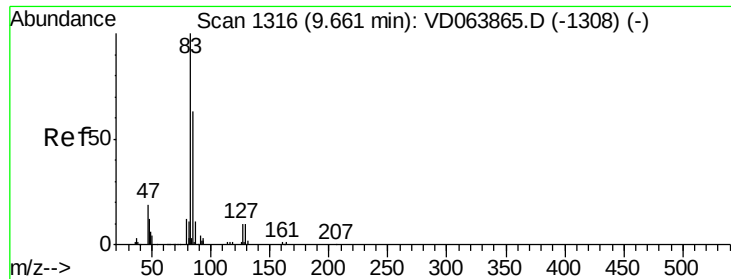
Tot Ion: 63 Resp: 107755
 Ion Ratio Lower Upper
 63 100
 65 28.2 27.3 40.9



#46
 Dibromomethane
 Concen: 51.245 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 93 Resp: 61312
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.0 99.0
 174 108.6 83.4 125.0

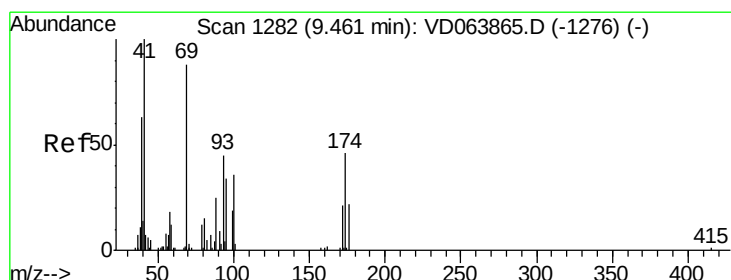
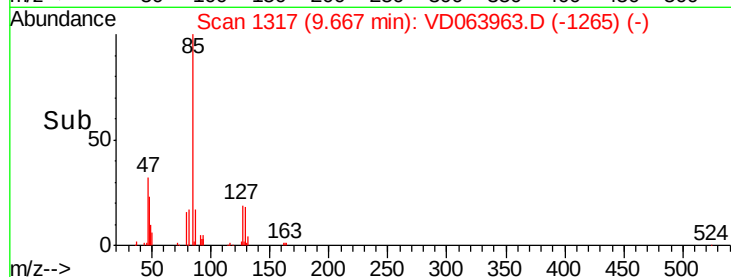
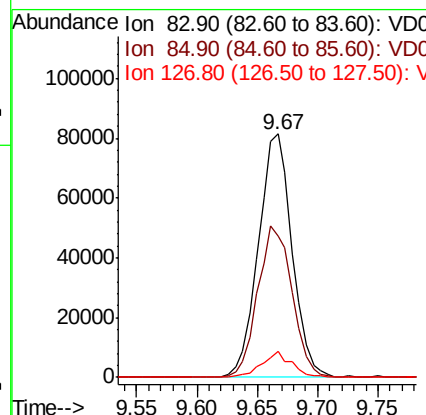
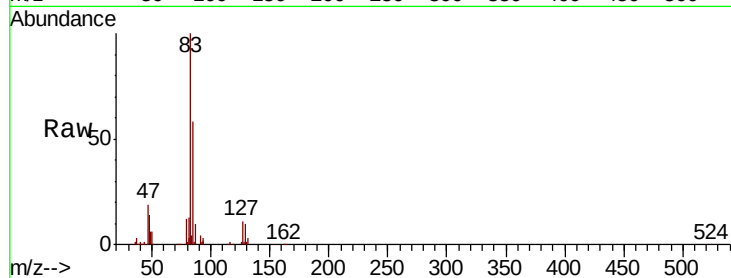




#47
 Bromodichloromethane
 Concen: 51.349 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

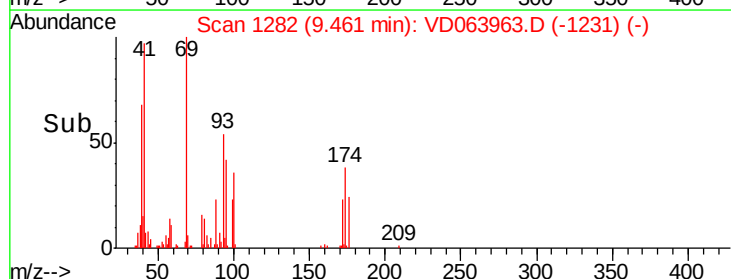
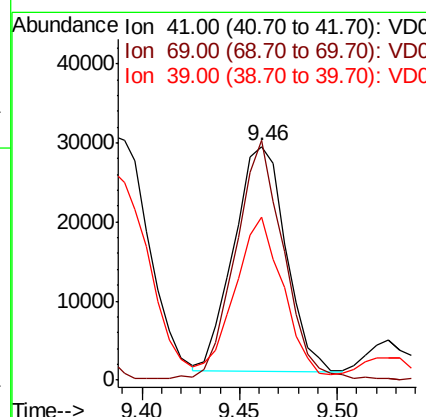
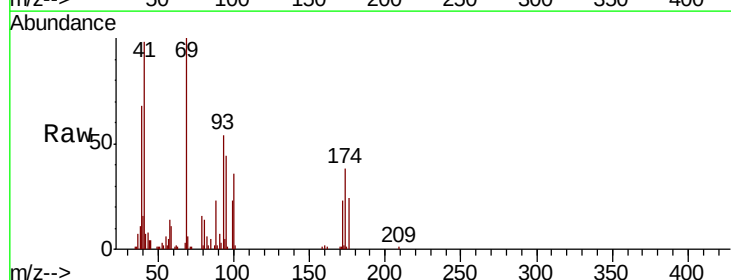
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

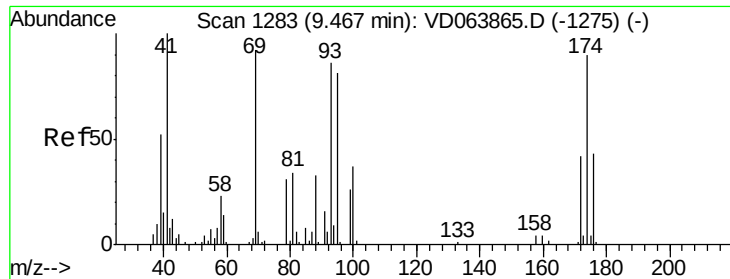
Tot Ion: 83 Resp: 158174
 Ion Ratio Lower Upper
 83 100
 85 58.2 50.2 75.2
 127 10.9 7.6 11.4



#48
 Methyl methacrylate
 Concen: 43.524 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 41 Resp: 52380
 Ion Ratio Lower Upper
 41 100
 69 99.6 75.1 112.7
 39 69.4 50.2 75.2

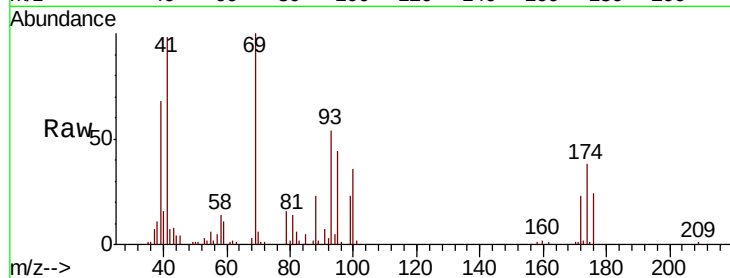




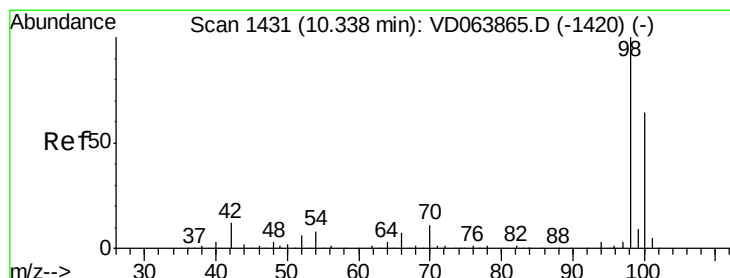
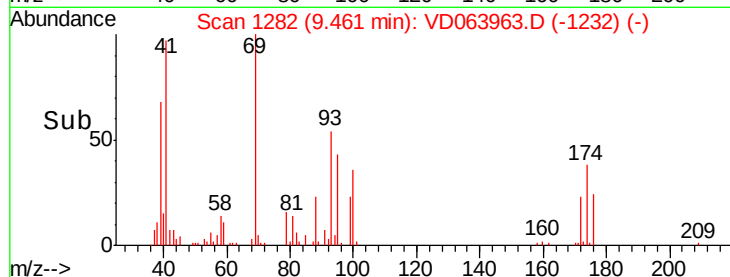
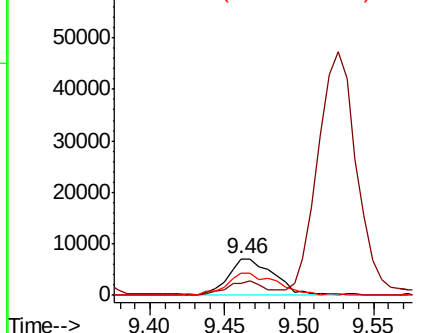
#49
1,4-Dioxane
Concen: 934.274 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 15258
Ion Ratio Lower Upper
88 100
43 34.8 27.6 41.4
58 67.9 54.1 81.1

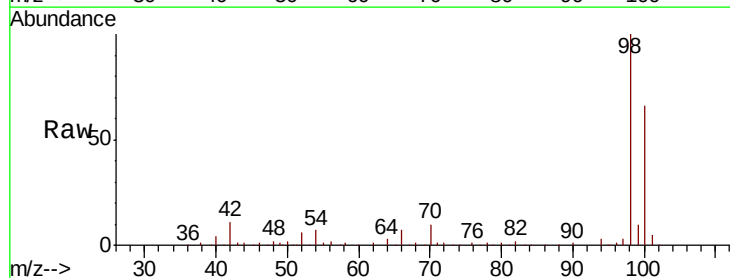


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

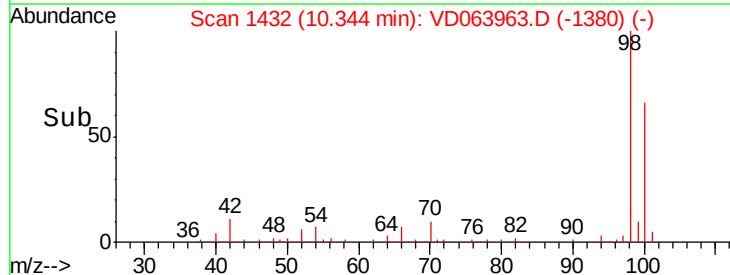
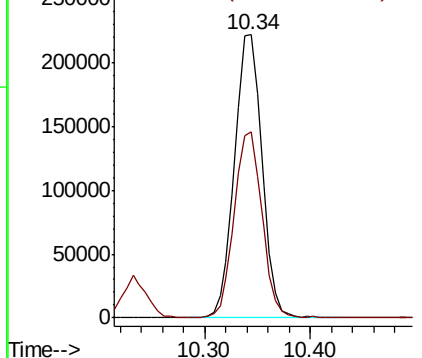


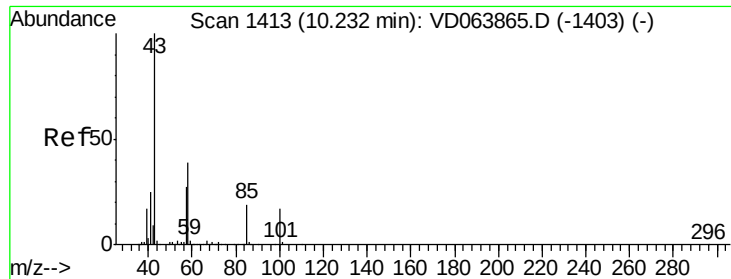
#50
Toluene-d8
Concen: 49.276 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 98 Resp: 400388
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



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

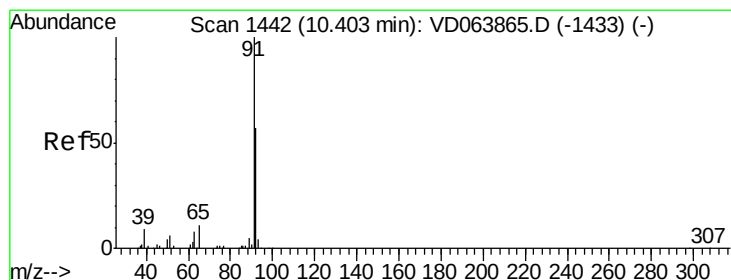
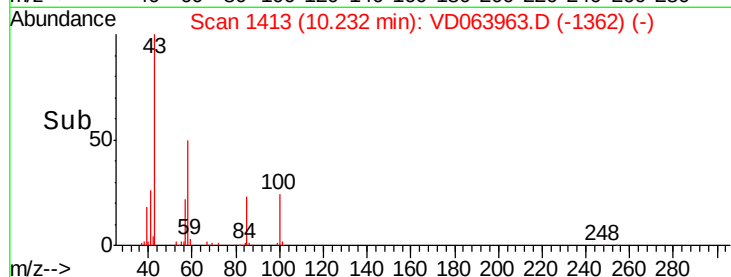
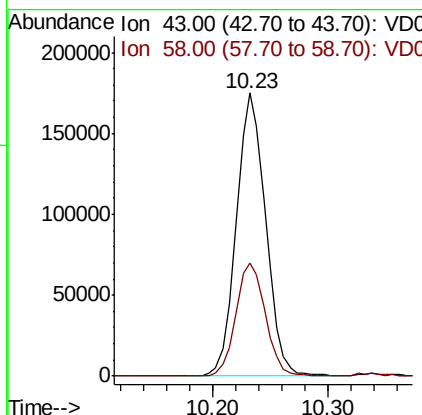
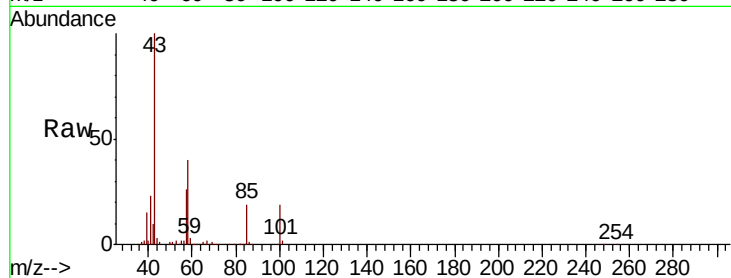




#51
 4-Methyl-2-Pentanone
 Concen: 236.338 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

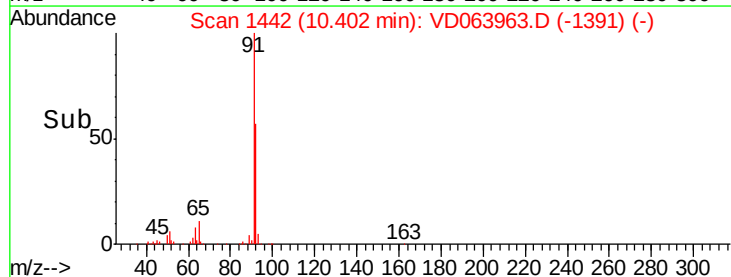
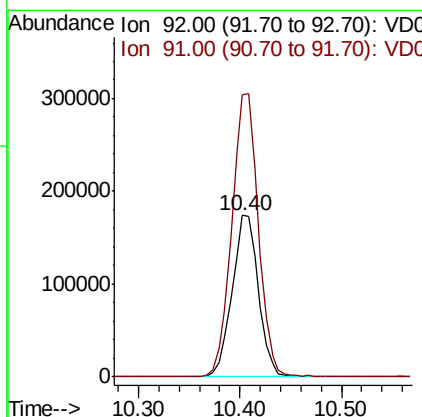
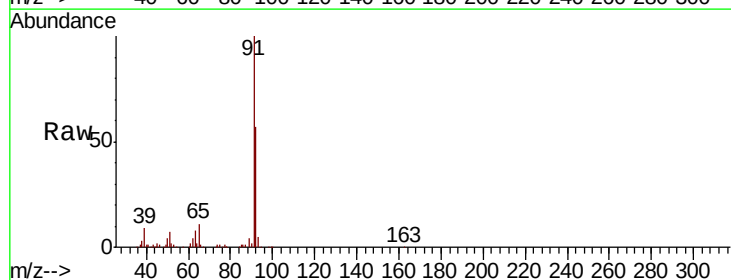
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

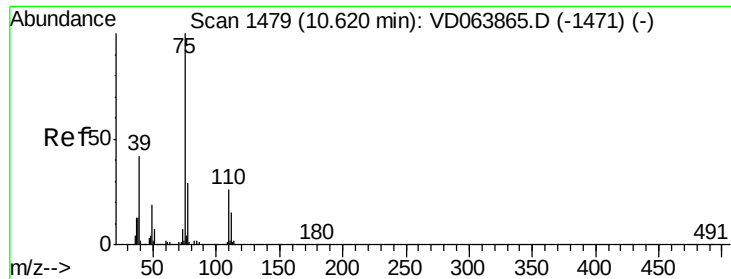
Tot Ion: 43 Resp: 307870
 Ion Ratio Lower Upper
 43 100
 58 40.3 33.0 49.4



#52
 Toluene
 Concen: 53.278 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 92 Resp: 313920
 Ion Ratio Lower Upper
 92 100
 91 176.2 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.669 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

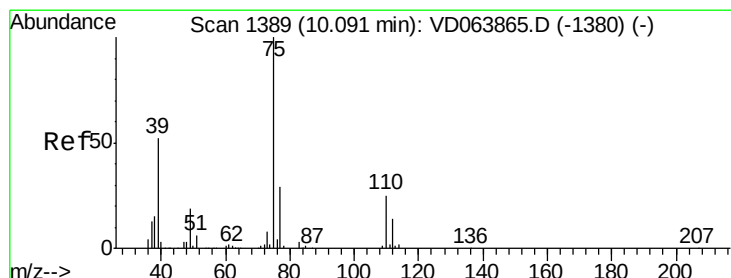
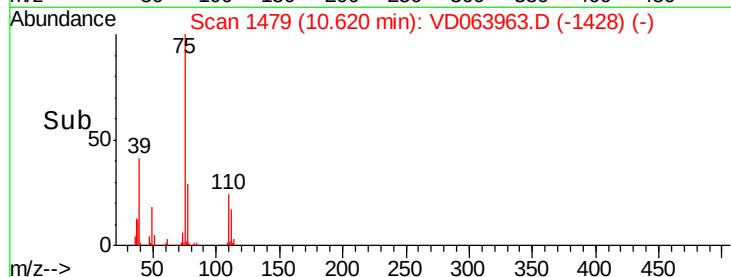
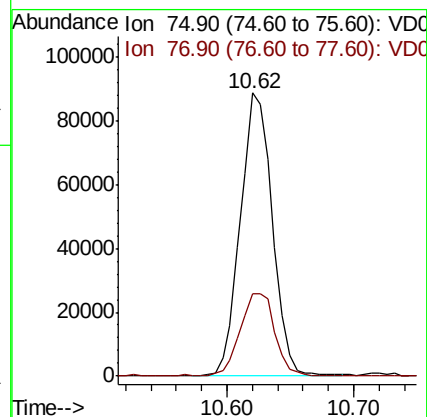
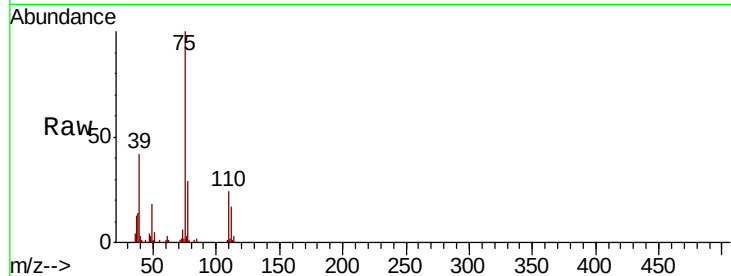
VSTDCCC050

Tot Ion: 75 Resp: 155312

Ion Ratio Lower Upper

75 100

77 29.2 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 52.759 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

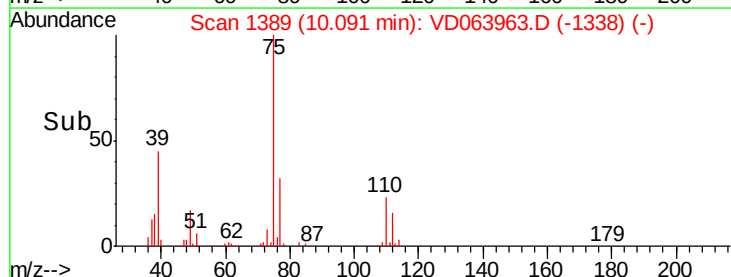
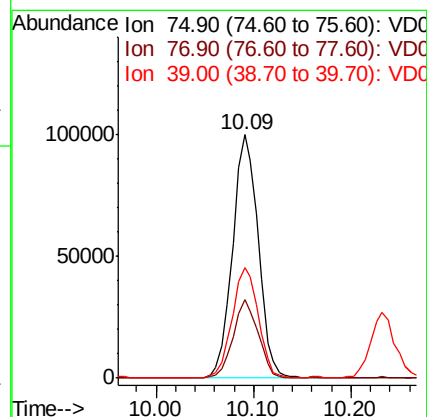
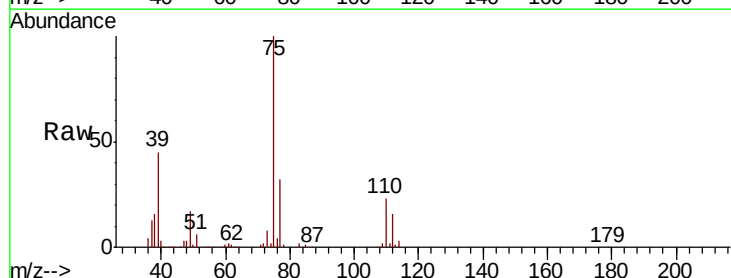
Tgt Ion: 75 Resp: 182551

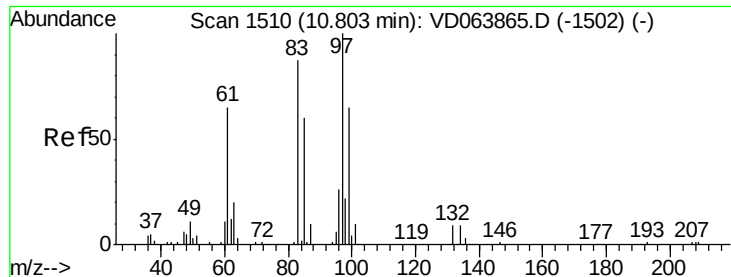
Ion Ratio Lower Upper

75 100

77 32.2 23.2 34.8

39 45.0 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 51.042 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 86227

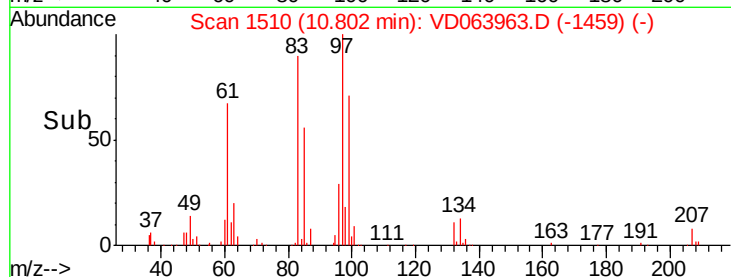
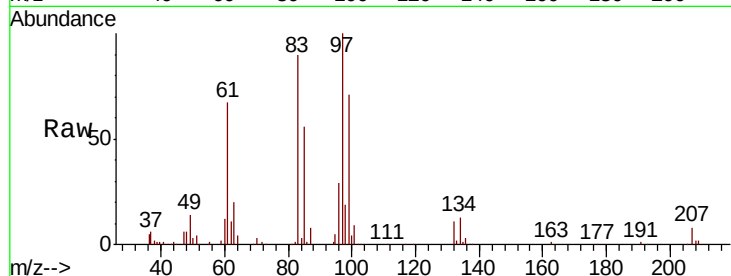
Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.7	104.5
85	56.1	48.1	72.1
99	71.1	51.9	77.9

97 100

83 89.5 69.7 104.5

85 56.1 48.1 72.1

99 71.1 51.9 77.9

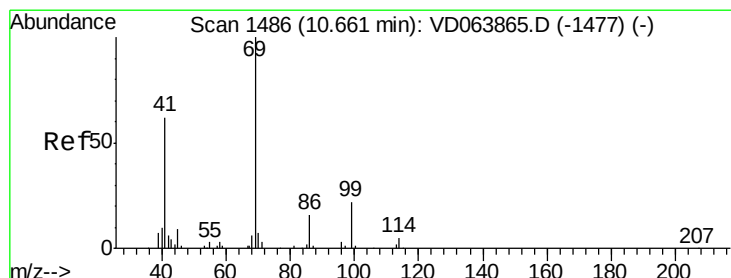
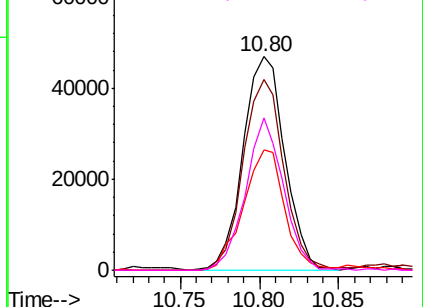


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 49.101 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

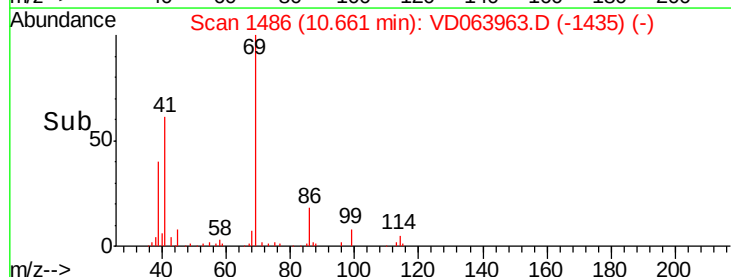
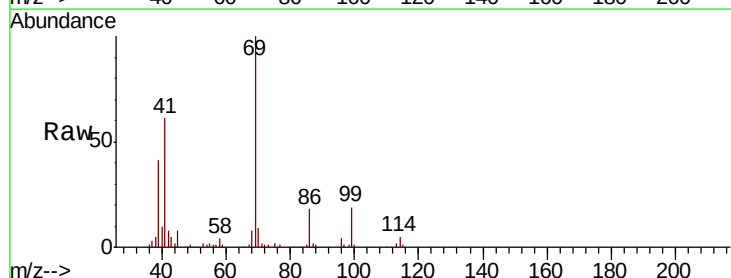
Tgt Ion: 69 Resp: 105041

Ion	Ratio	Lower	Upper
69	100		
41	58.3	51.3	76.9
39	38.5	28.0	42.0

69 100

41 58.3 51.3 76.9

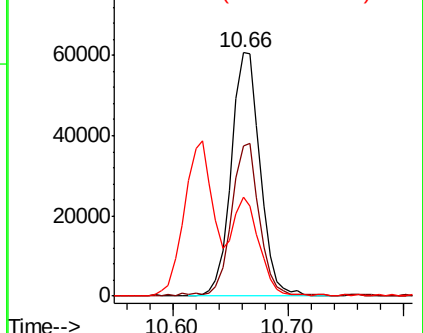
39 38.5 28.0 42.0

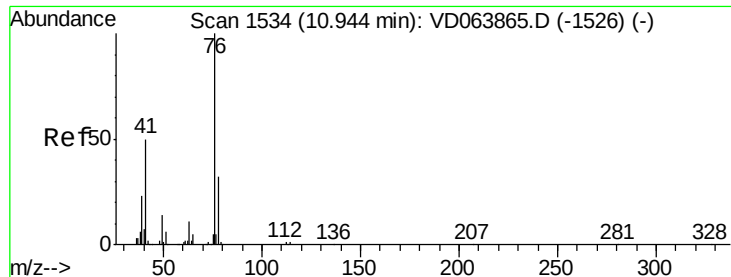


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.401 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

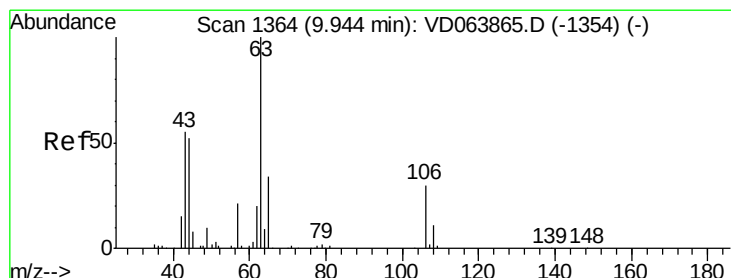
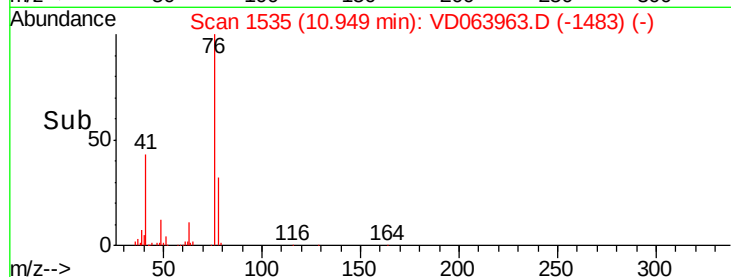
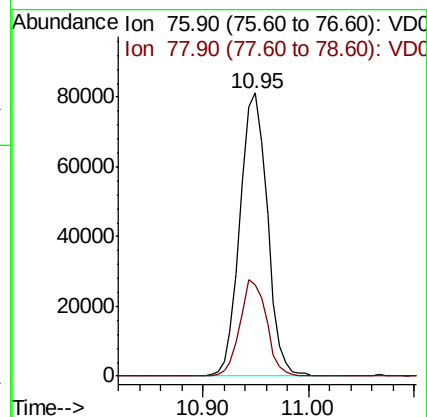
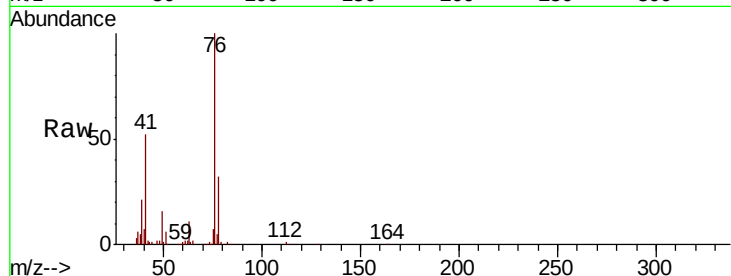
VSTDCCC050

Tot Ion: 76 Resp: 145678

Ion Ratio Lower Upper

76 100

78 32.9 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 230.477 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063963.D

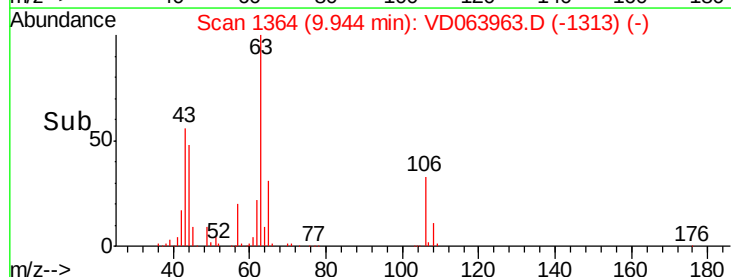
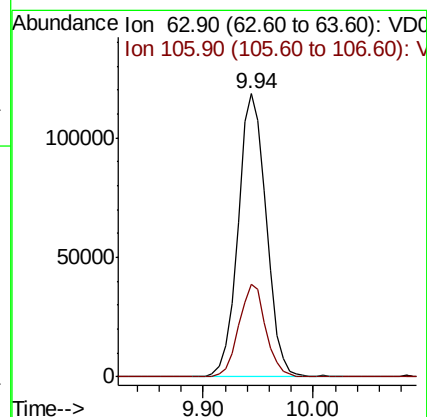
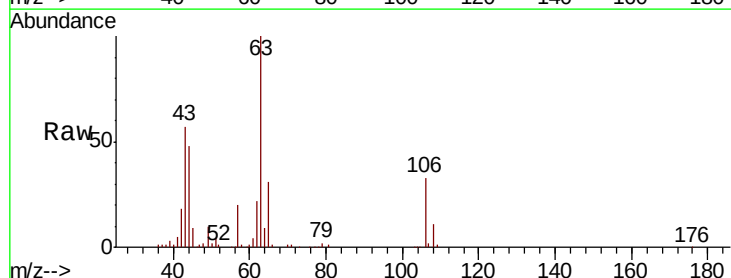
Acq: 15 Oct 2019 10:48

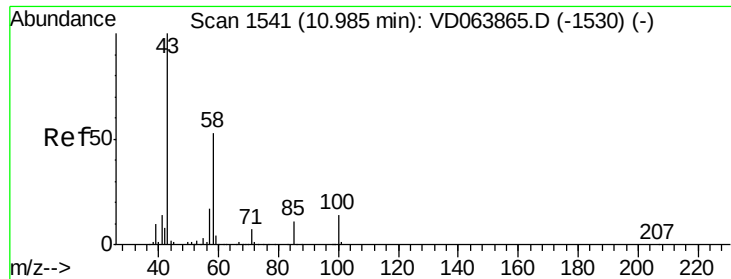
Tgt Ion: 63 Resp: 211935

Ion Ratio Lower Upper

63 100

106 31.3 24.3 36.5

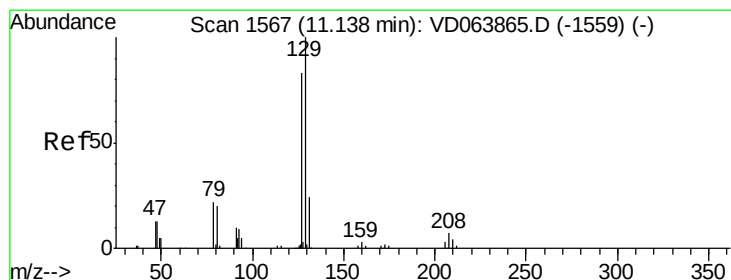
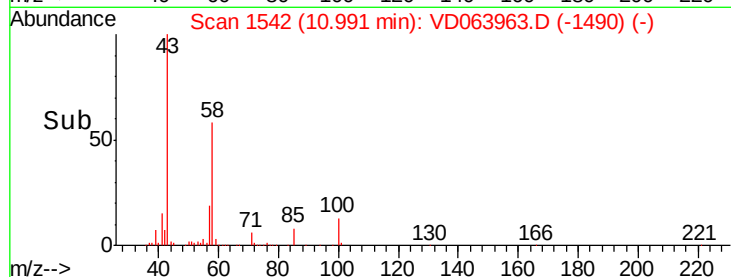
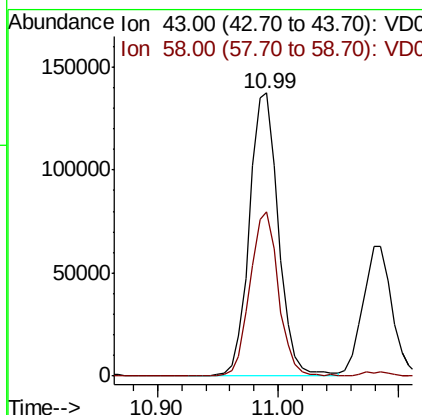
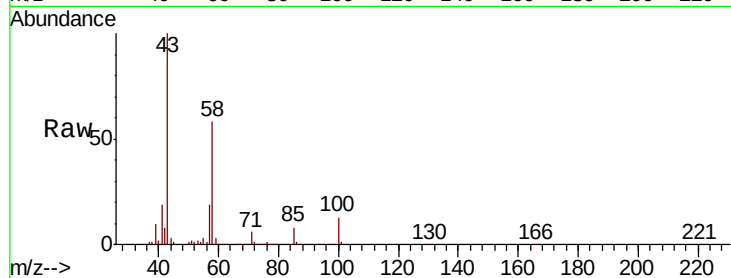




#59
2-Hexanone
Concen: 245.285 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

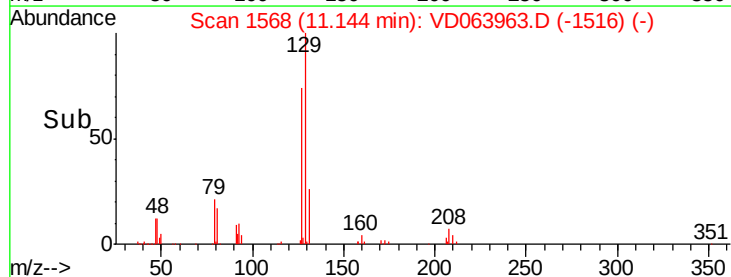
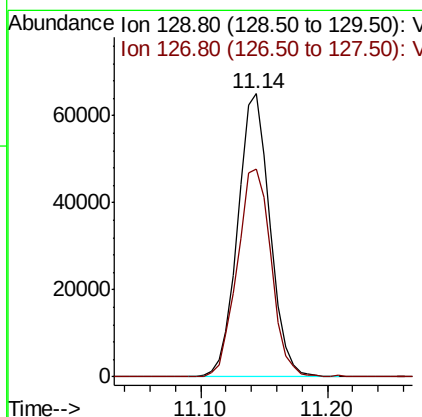
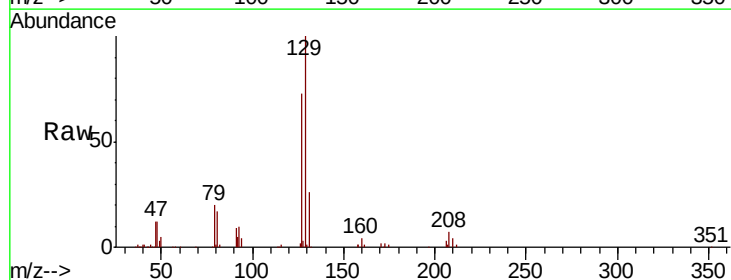
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

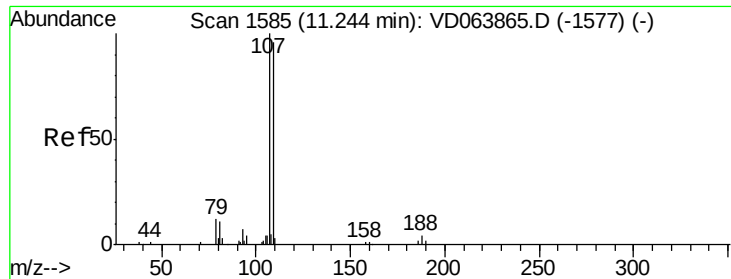
Tot Ion: 43 Resp: 231135
Ion Ratio Lower Upper
43 100
58 56.9 27.7 83.0



#60
Dibromochloromethane
Concen: 52.014 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 129 Resp: 114397
Ion Ratio Lower Upper
129 100
127 77.4 39.9 119.6

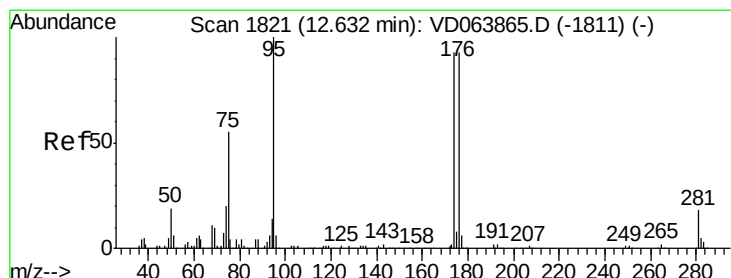
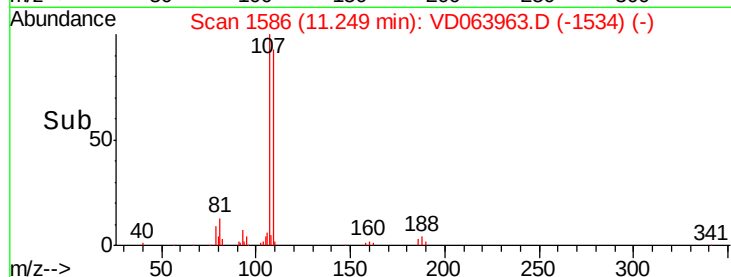
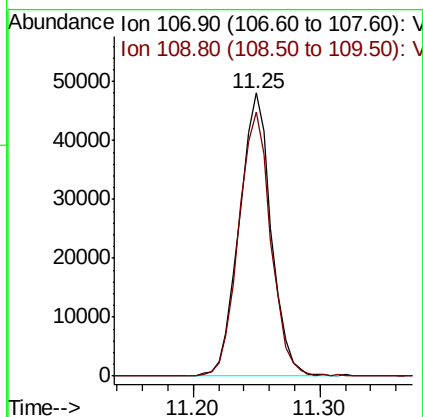
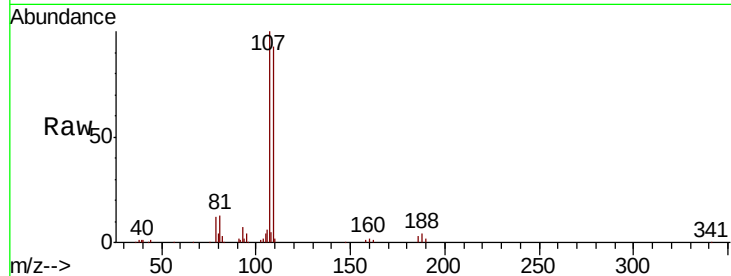




#61
 1,2-Dibromoethane
 Concen: 51.145 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

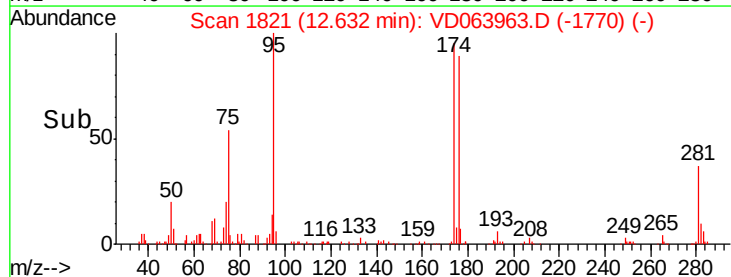
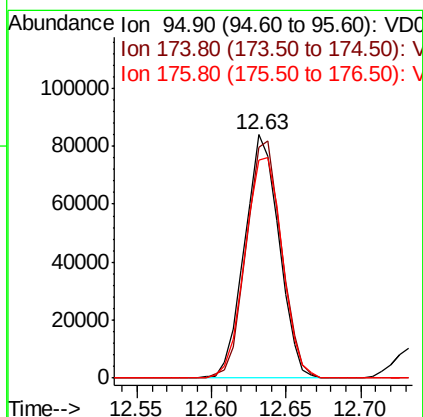
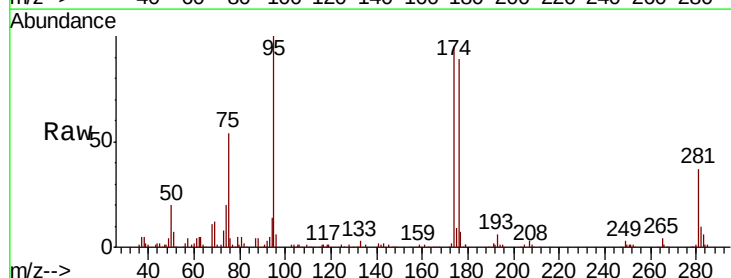
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

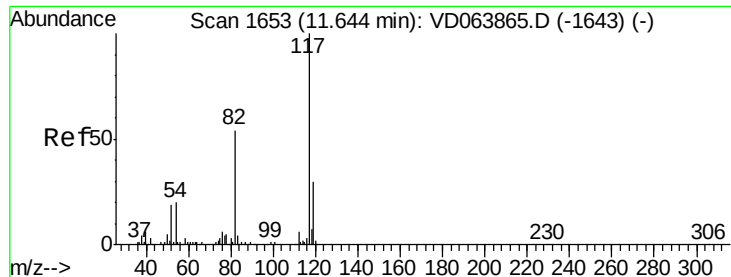
Tot Ion:107 Resp: 83762
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.573 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 95 Resp: 134326
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 186.4
 176 97.5 0.0 184.2

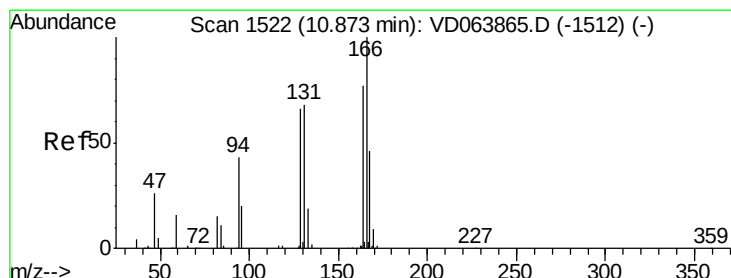
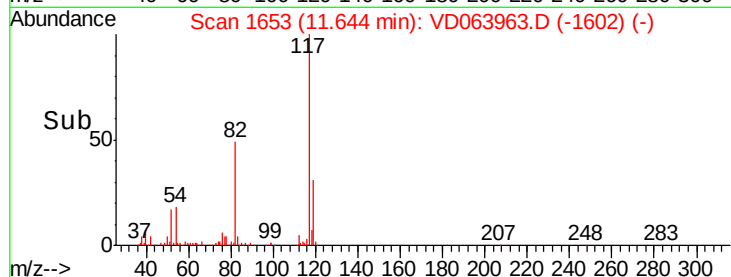
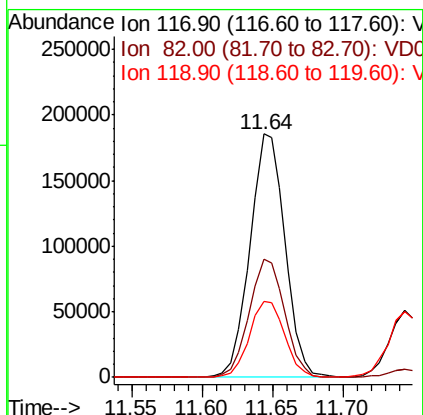
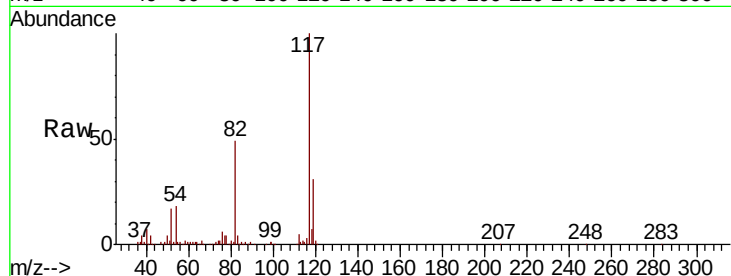




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

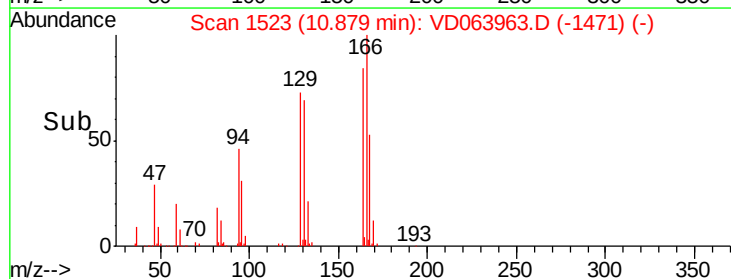
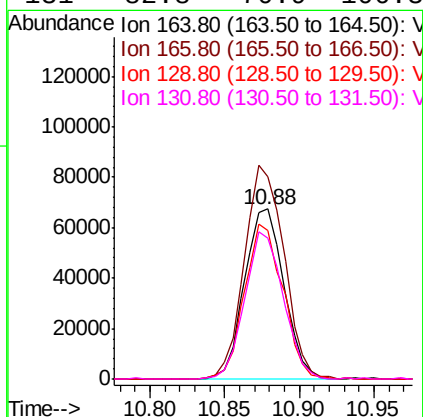
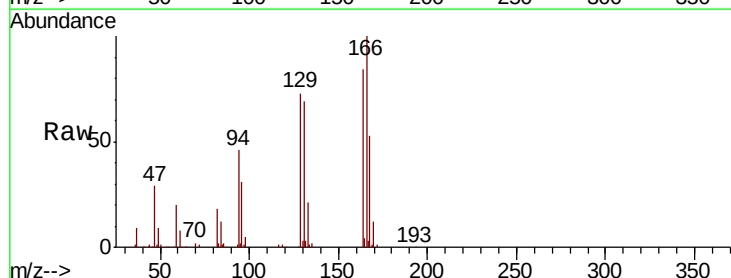
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

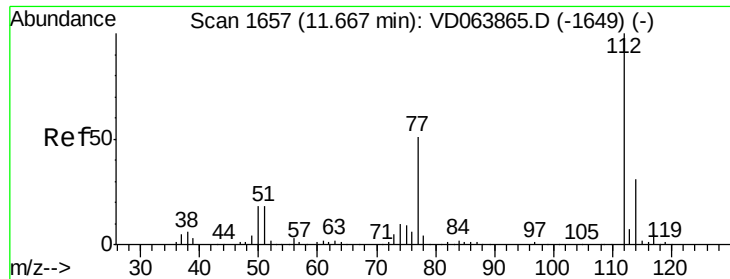
Tot Ion:117 Resp: 323413
Ion Ratio Lower Upper
117 100
82 48.7 42.8 64.2
119 31.0 24.4 36.6



#64
Tetrachloroethene
Concen: 55.857 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion:164 Resp: 123324
Ion Ratio Lower Upper
164 100
166 119.1 103.8 155.6
129 87.3 68.9 103.3
131 82.8 70.9 106.3

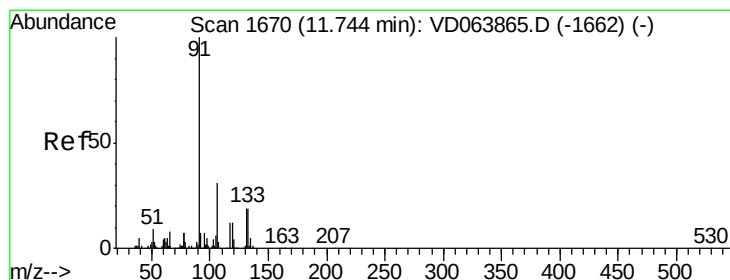
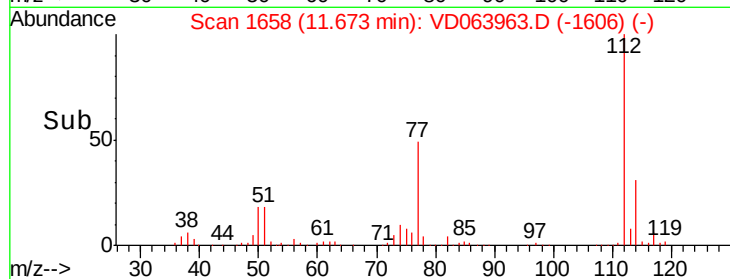
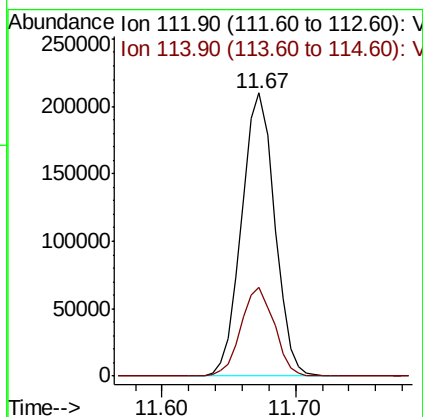
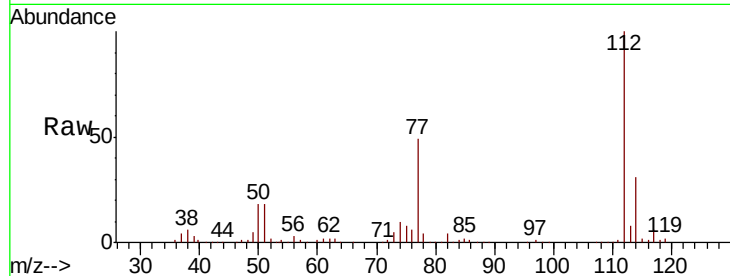




#65
Chlorobenzene
Concen: 55.517 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

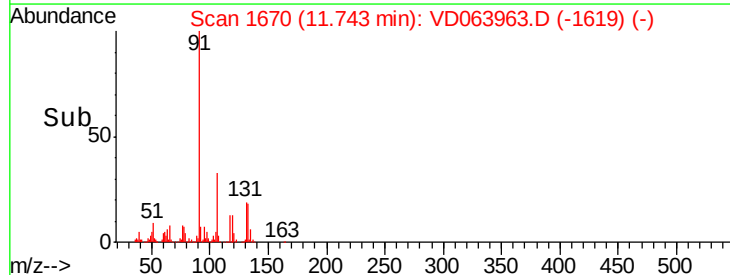
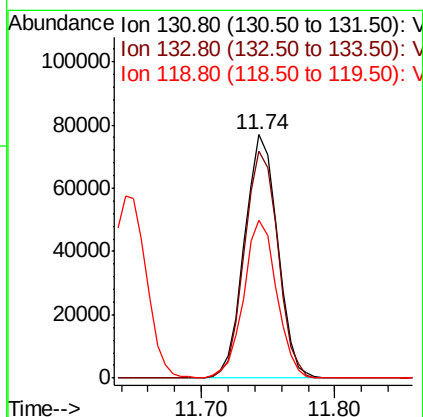
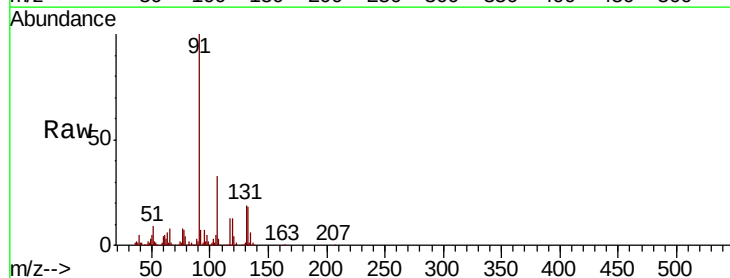
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

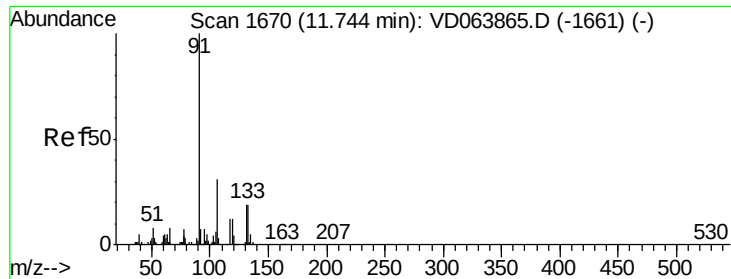
Tot Ion:112 Resp: 360584
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 55.201 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion:131 Resp: 132111
Ion Ratio Lower Upper
131 100
133 94.3 48.9 146.7
119 64.5 32.6 97.8





#67

Ethyl Benzene

Concen: 55.426 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

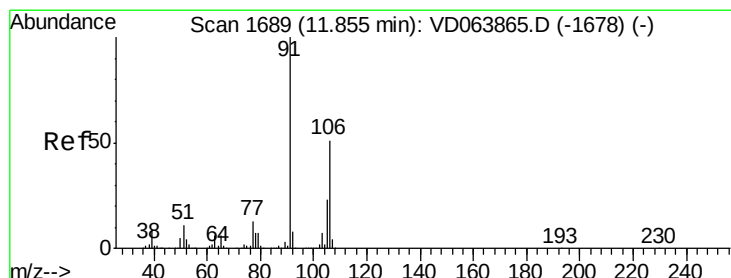
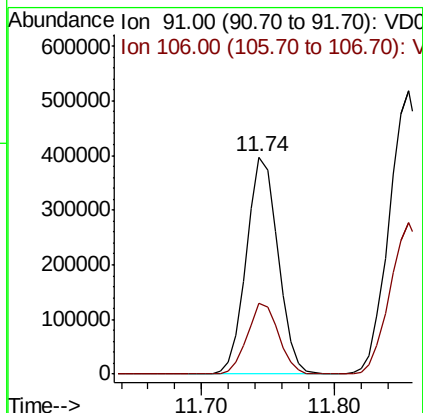
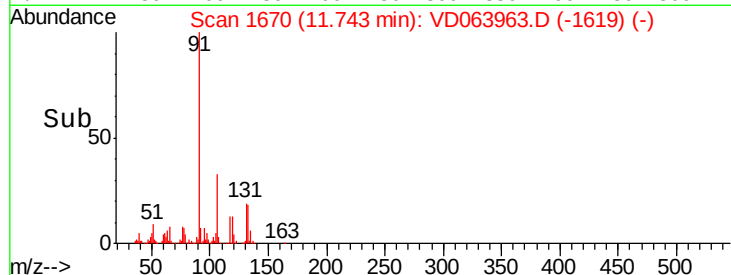
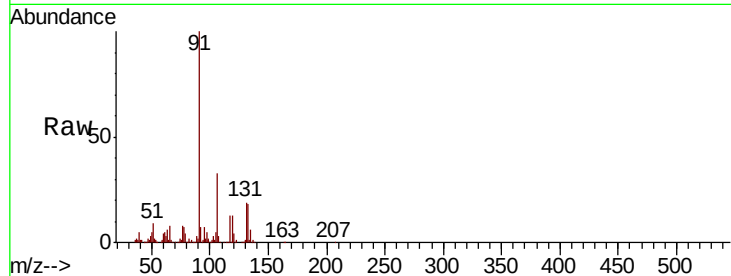
VSTDCCC050

Tot Ion: 91 Resp: 649140

Ion Ratio Lower Upper

91 100

106 32.5 24.6 37.0



#68

m/p-Xylenes

Concen: 114.123 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063963.D

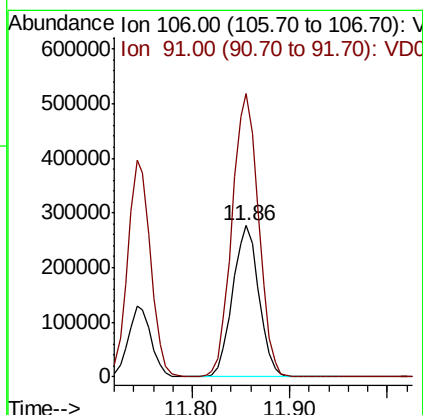
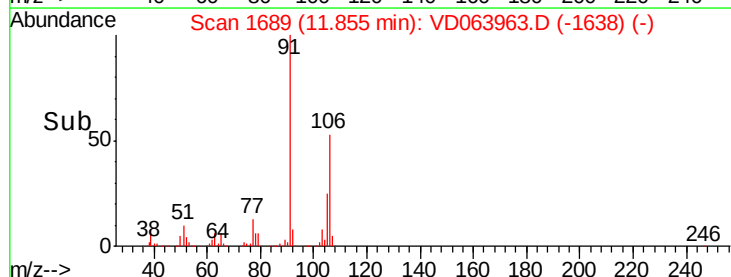
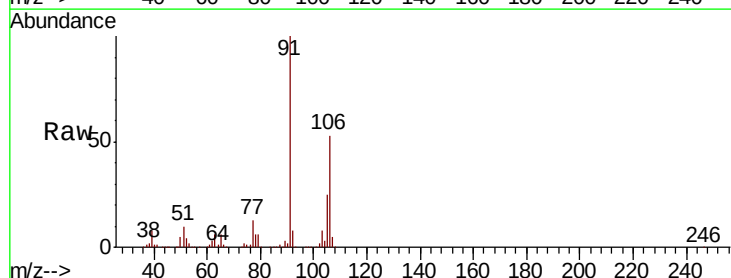
Acq: 15 Oct 2019 10:48

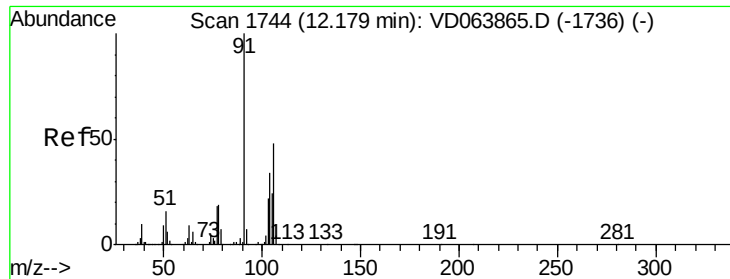
Tgt Ion: 106 Resp: 515891

Ion Ratio Lower Upper

106 100

91 189.1 154.8 232.2

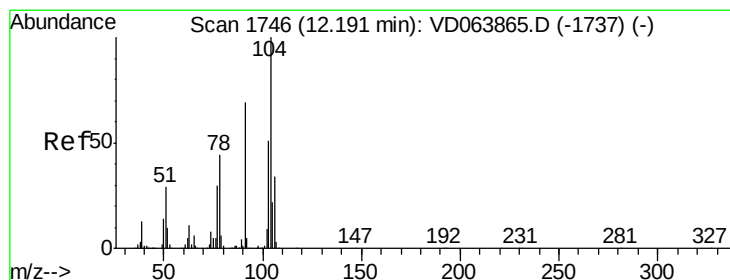
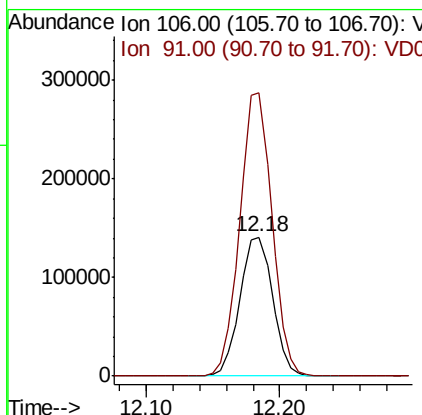
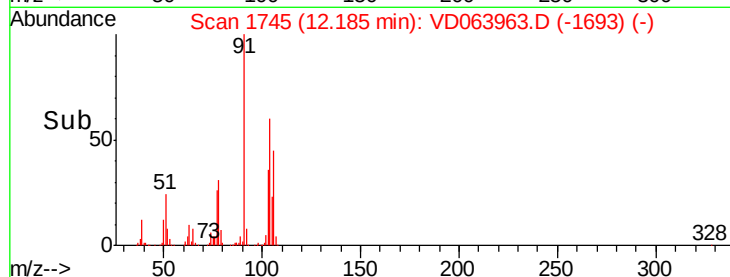
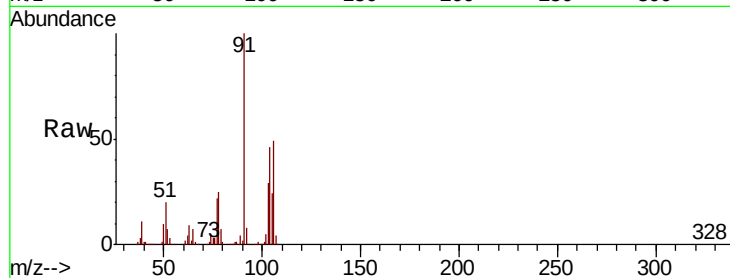




#69
o-Xylene
Concen: 55.237 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

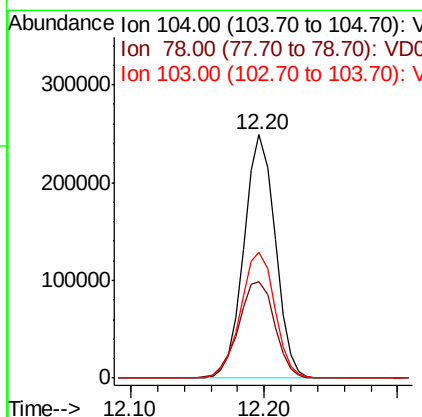
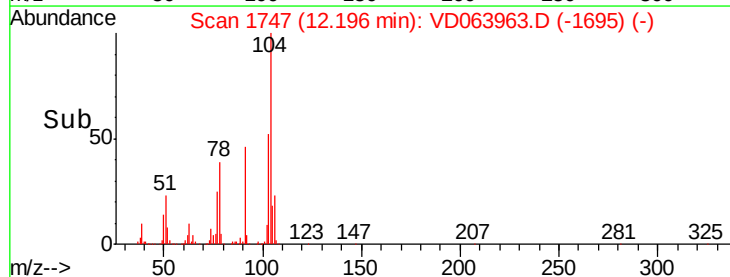
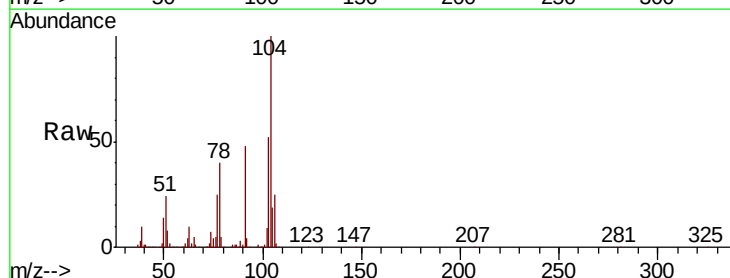
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

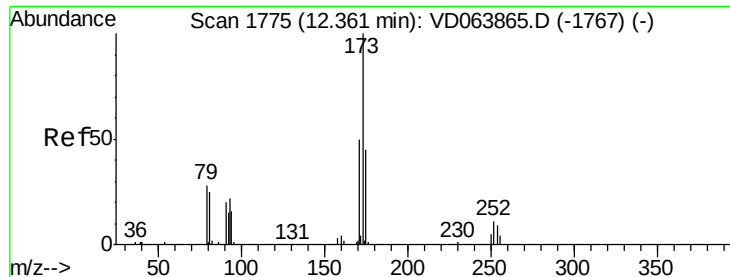
Tot Ion:106 Resp: 239096
Ion Ratio Lower Upper
106 100
91 200.7 103.9 311.7



#70
Styrene
Concen: 55.118 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion:104 Resp: 403882
Ion Ratio Lower Upper
104 100
78 45.8 37.0 55.4
103 56.4 44.2 66.4





#71

Bromoform

Concen: 55.182 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

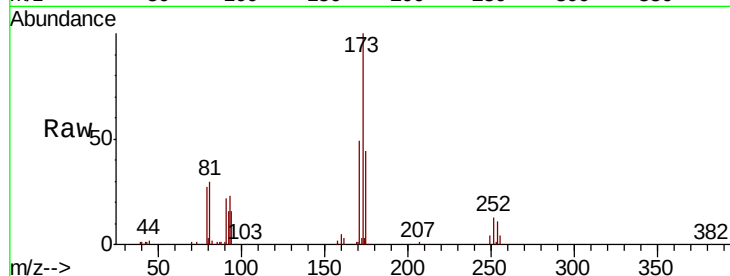
Tot Ion:173 Resp: 70875

Ion Ratio Lower Upper

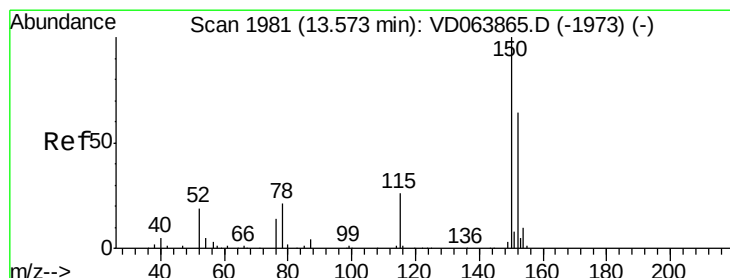
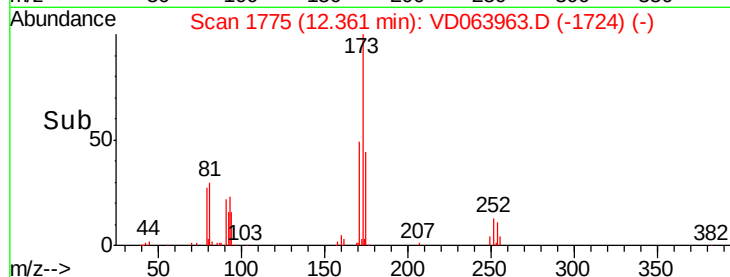
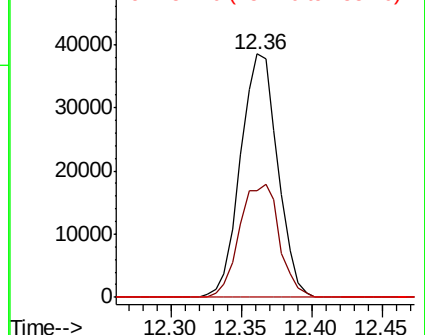
173 100

175 49.6 24.6 74.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

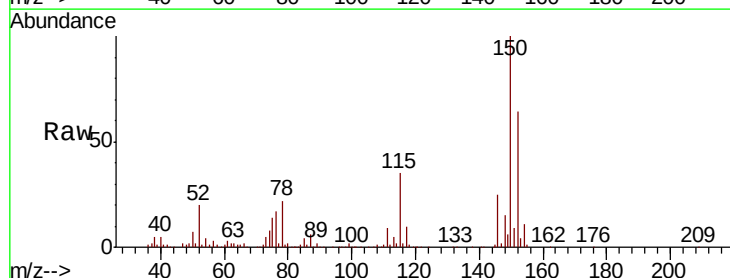
Tgt Ion:152 Resp: 177005

Ion Ratio Lower Upper

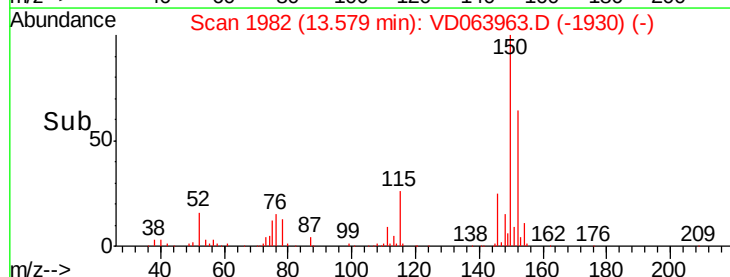
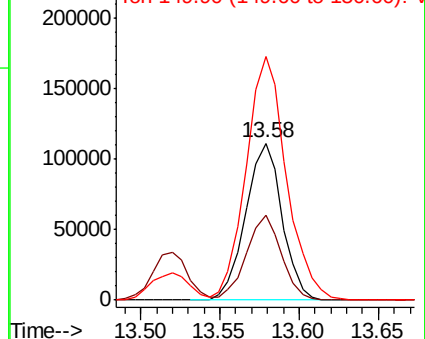
152 100

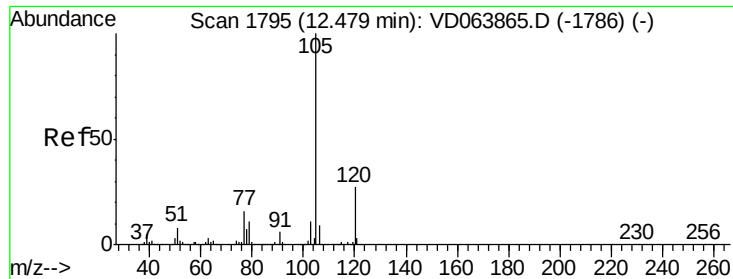
115 51.9 25.9 77.7

150 172.1 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.977 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

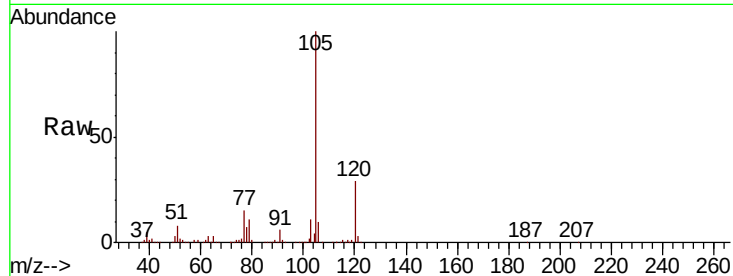
VSTDCCC050

Tot Ion:105 Resp: 654185

Ion Ratio Lower Upper

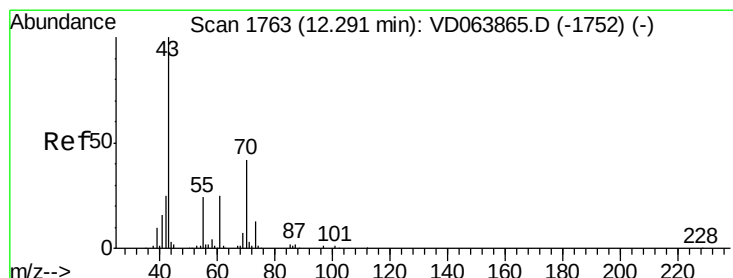
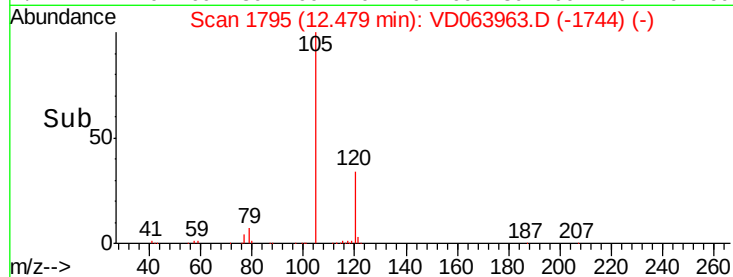
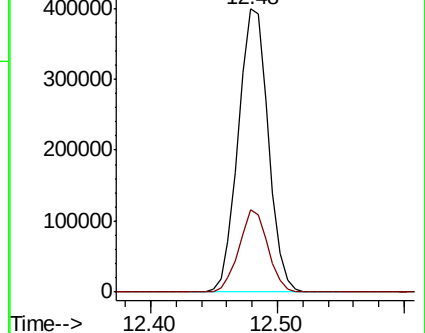
105 100

120 27.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.594 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion: 43 Resp: 116809

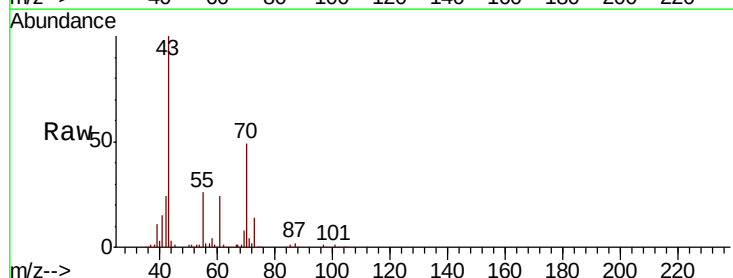
Ion Ratio Lower Upper

43 100

70 47.0 35.8 53.6

55 25.3 19.4 29.0

61 24.8 20.4 30.6

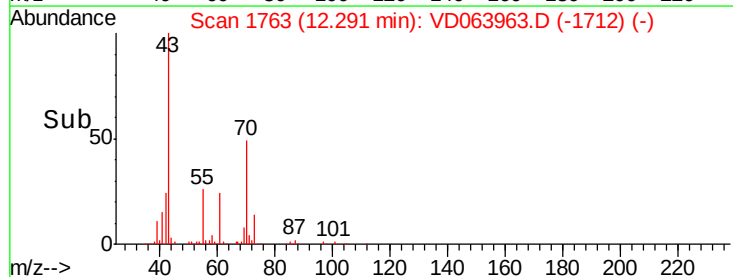
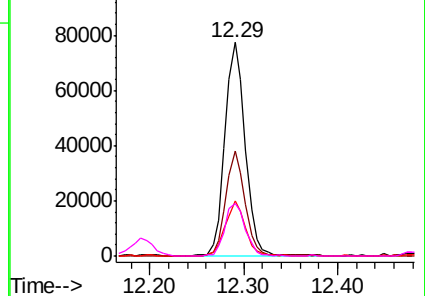


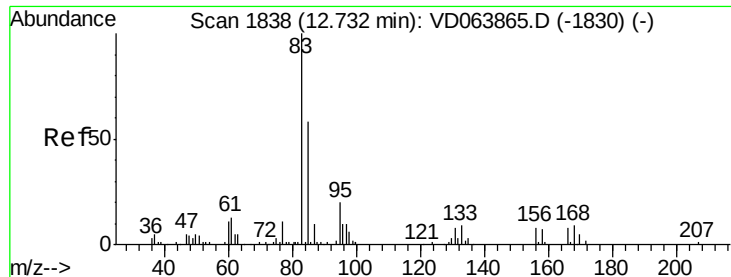
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 48.151 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

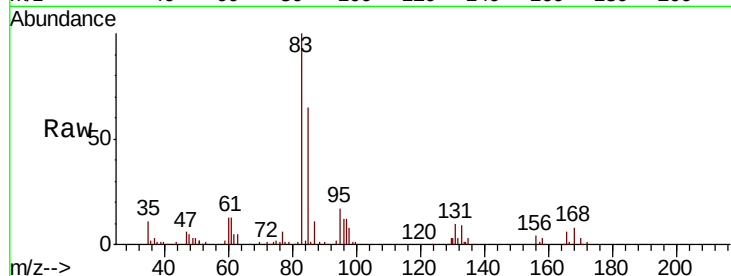
Tot Ion: 83 Resp: 99701

Ion Ratio Lower Upper

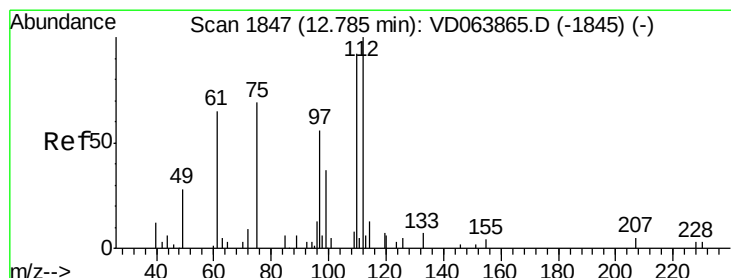
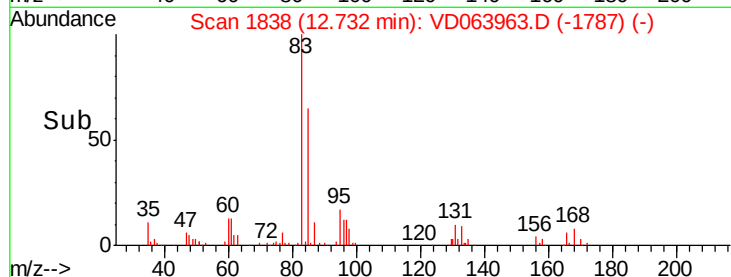
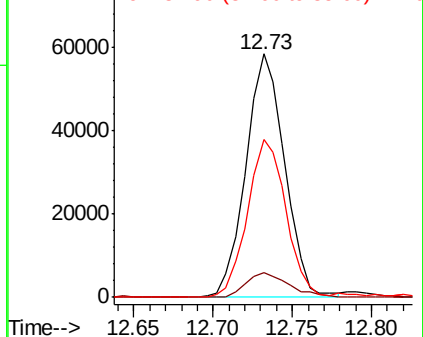
83 100

131 11.3 5.6 16.8

85 64.2 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: 108.470 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063963.D

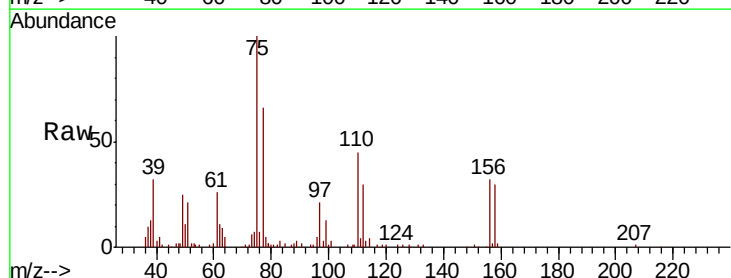
Acq: 15 Oct 2019 10:48

Tgt Ion: 75 Resp: 128594

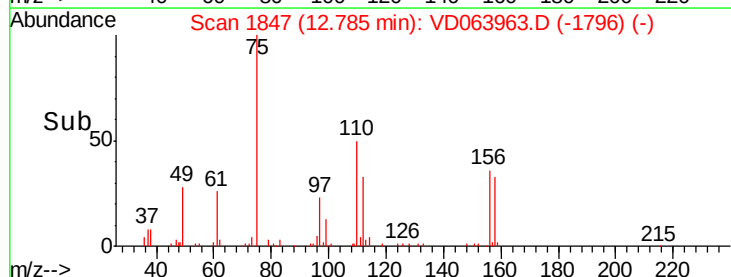
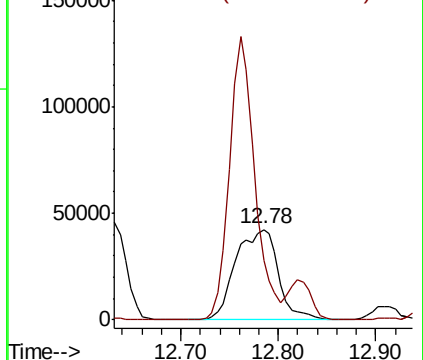
Ion Ratio Lower Upper

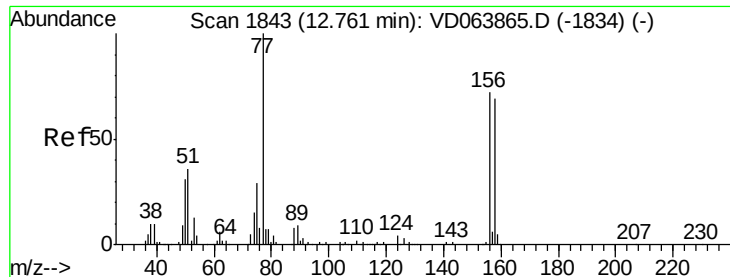
75 100

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: 53.083 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

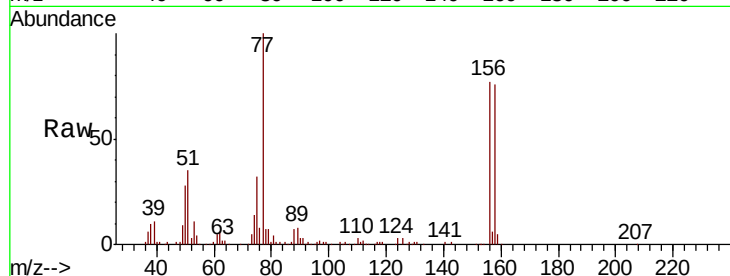
Tot Ion:156 Resp: 157369

Ion Ratio Lower Upper

156 100

77 152.6 80.3 241.0

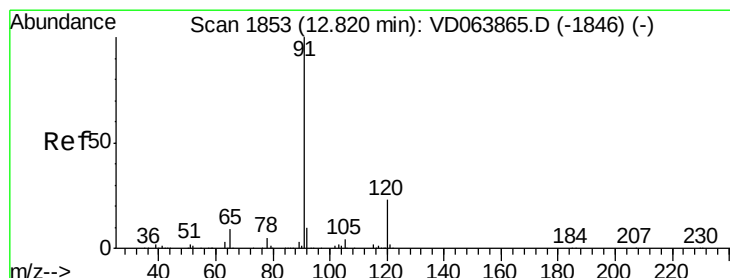
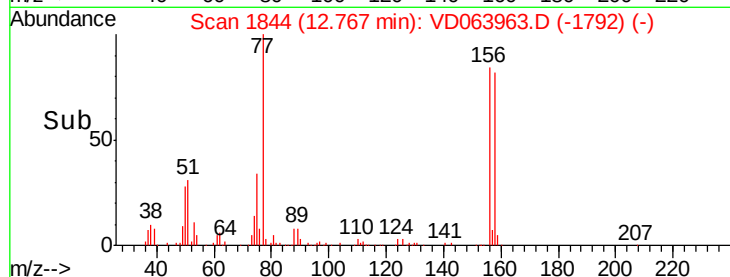
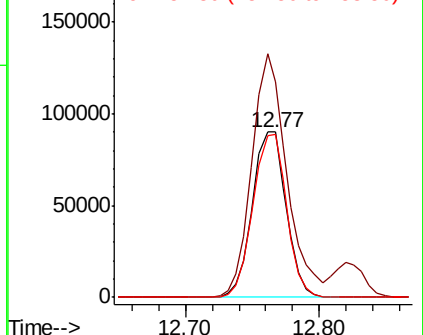
158 98.3 47.4 142.2



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: 56.015 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063963.D

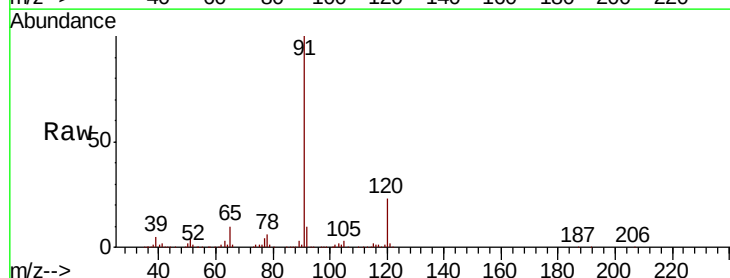
Acq: 15 Oct 2019 10:48

Tgt Ion: 91 Resp: 782373

Ion Ratio Lower Upper

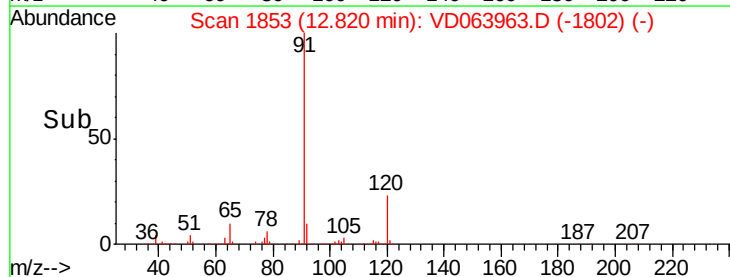
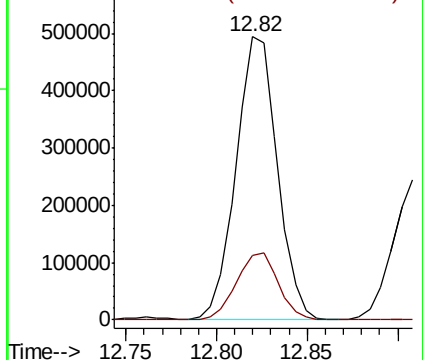
91 100

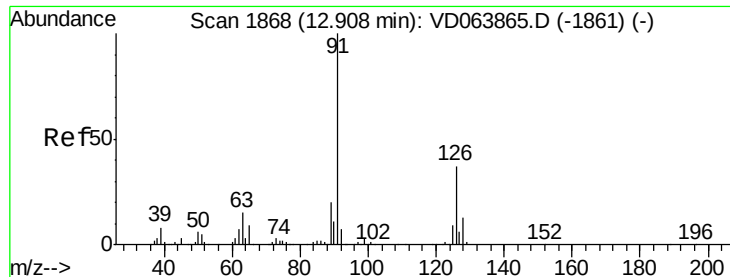
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.536 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

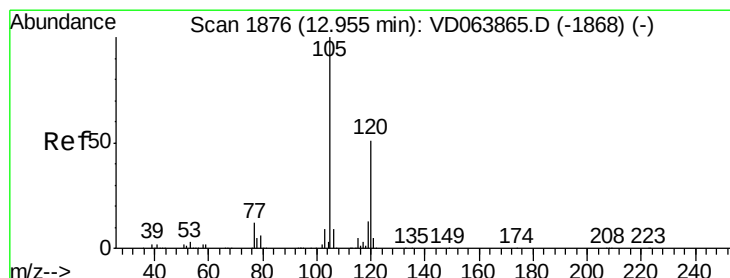
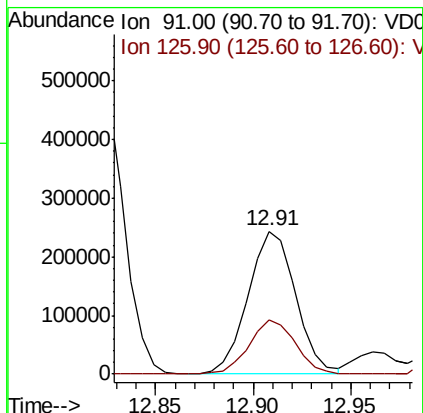
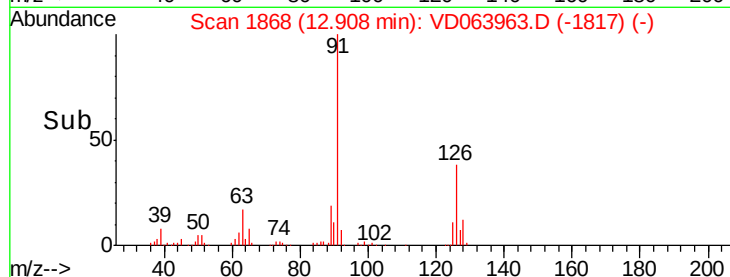
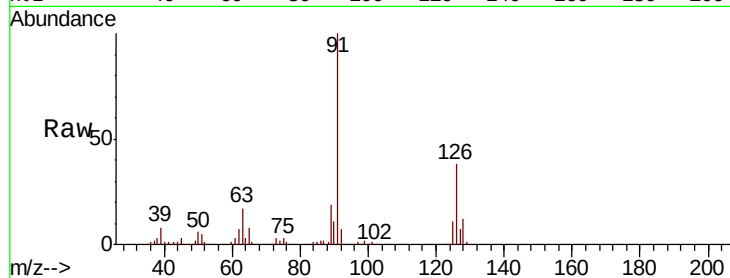
VSTDCCC050

Tot Ion: 91 Resp: 412305

Ion Ratio Lower Upper

91 100

126 36.9 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 55.461 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063963.D

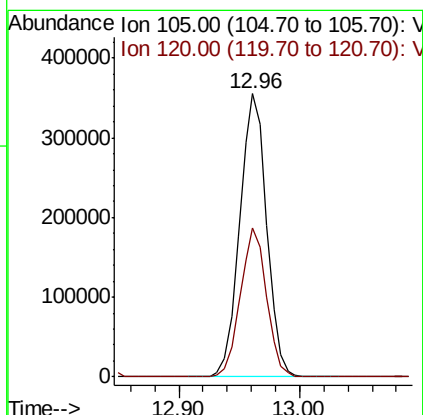
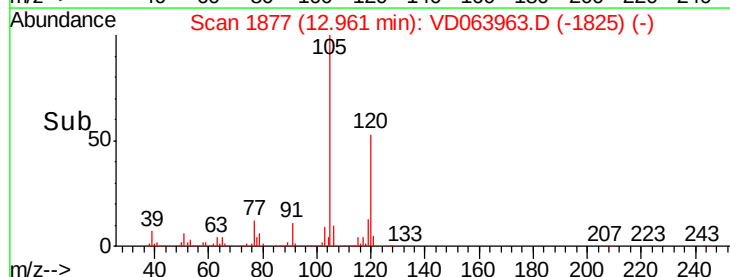
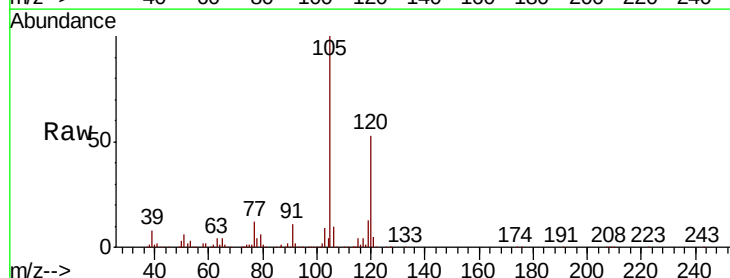
Acq: 15 Oct 2019 10:48

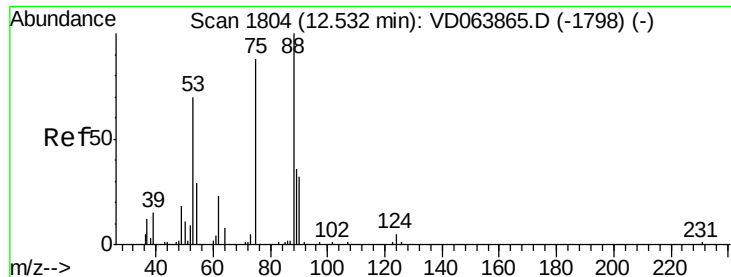
Tgt Ion:105 Resp: 550573

Ion Ratio Lower Upper

105 100

120 51.4 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.502 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

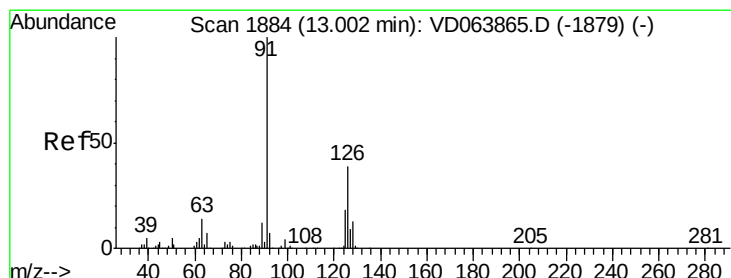
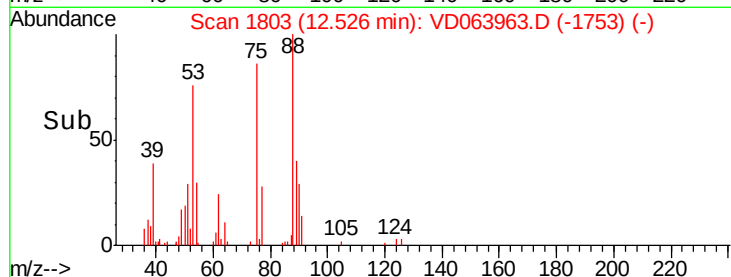
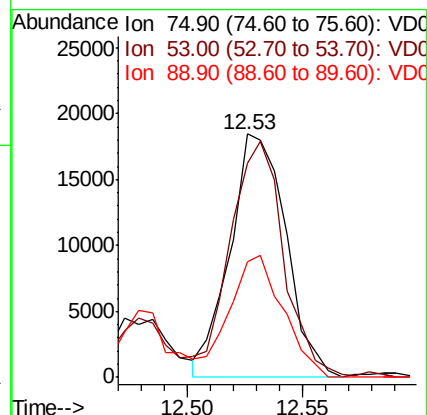
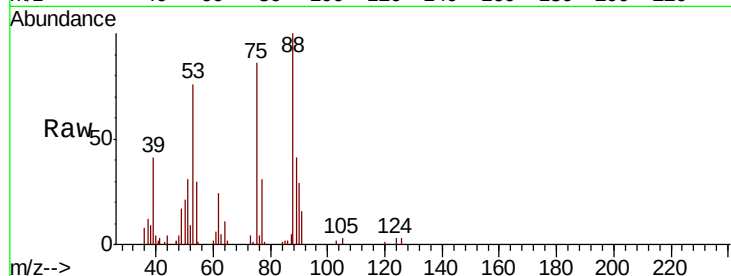
Tot Ion: 75 Resp: 31154

Ion Ratio Lower Upper

75 100

53 92.8 75.0 112.6

89 48.4 38.2 57.4



#82

4-Chlorotoluene

Concen: 51.308 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063963.D

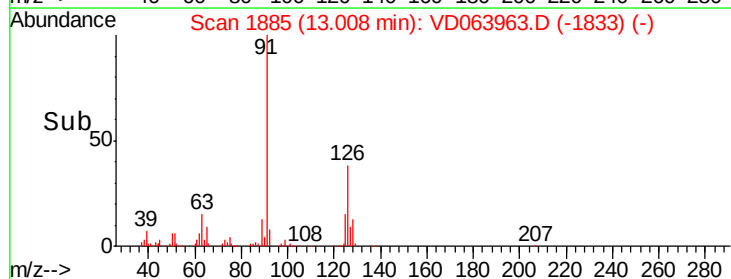
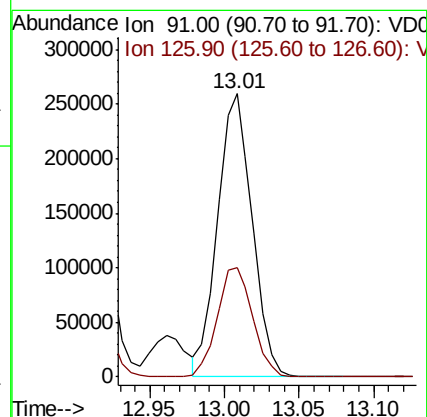
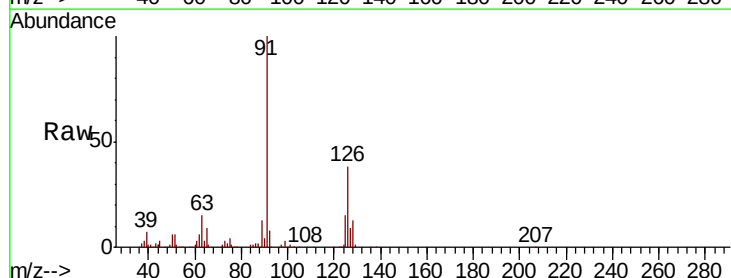
Acq: 15 Oct 2019 10:48

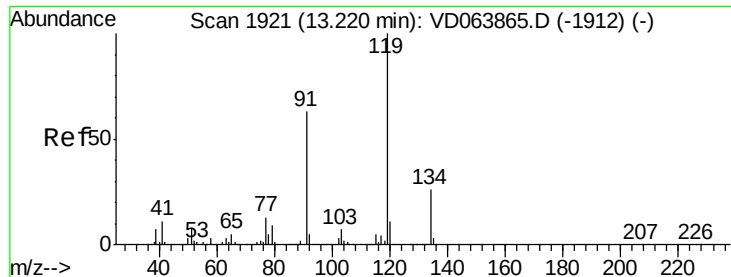
Tgt Ion: 91 Resp: 419170

Ion Ratio Lower Upper

91 100

126 39.7 18.6 55.8

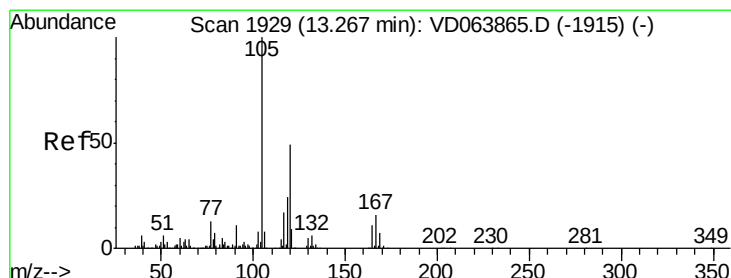
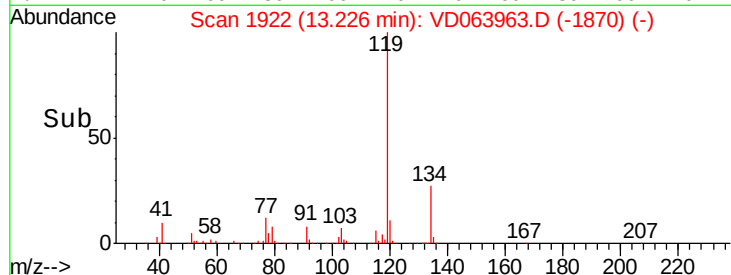
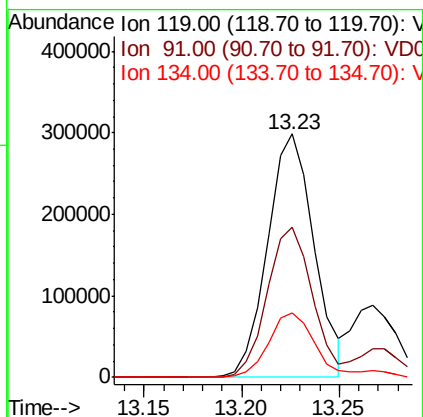
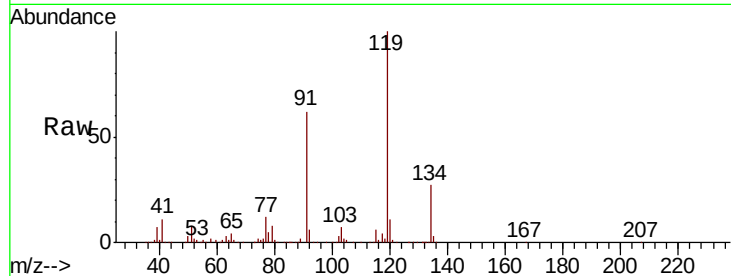




#83
 tert-Butylbenzene
 Concen: 55.722 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

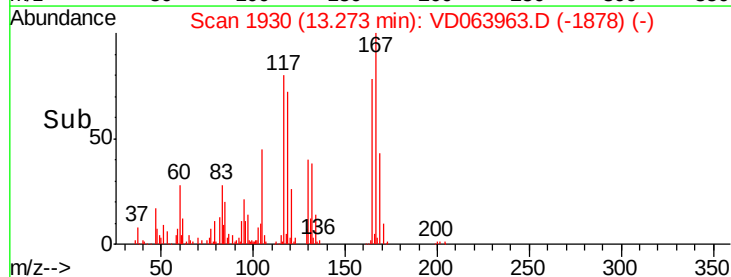
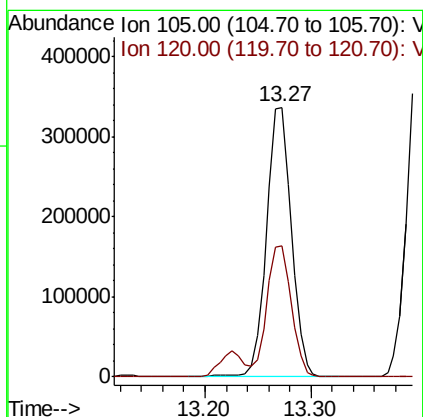
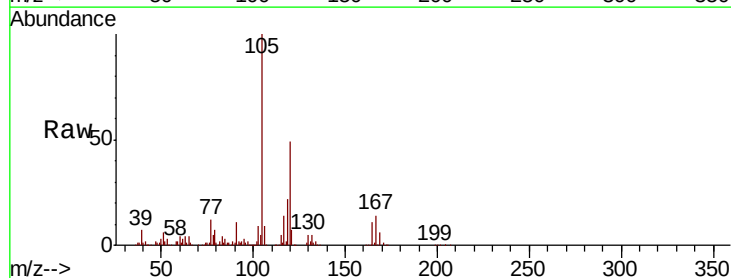
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

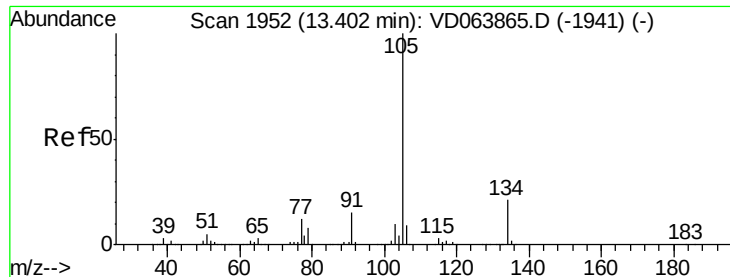
Tot Ion:119 Resp: 492303
 Ion Ratio Lower Upper
 119 100
 91 61.3 30.0 90.0
 134 26.0 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 53.777 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion:105 Resp: 550363
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.5





#85

sec-Butylbenzene

Concen: 57.456 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

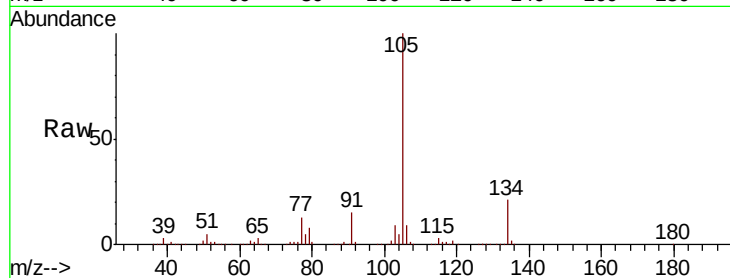
VSTDCCC050

Tot Ion:105 Resp: 685523

Ion Ratio Lower Upper

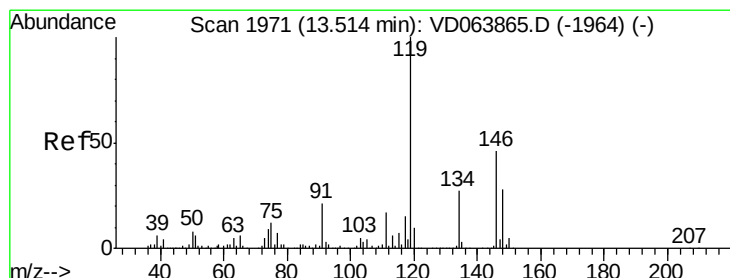
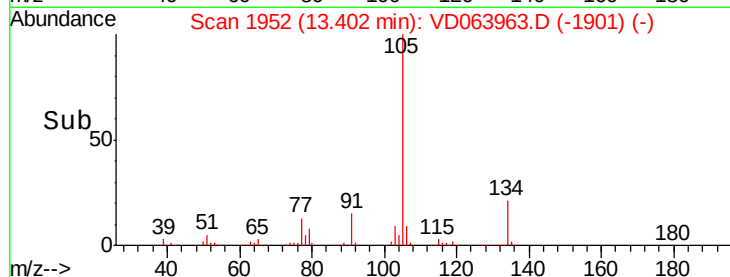
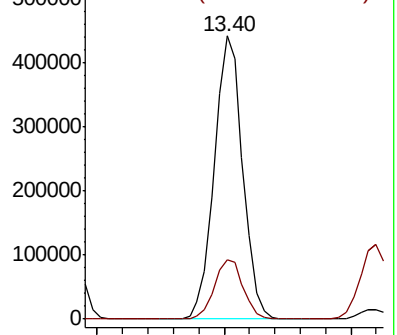
105 100

134 21.4 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: 58.447 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

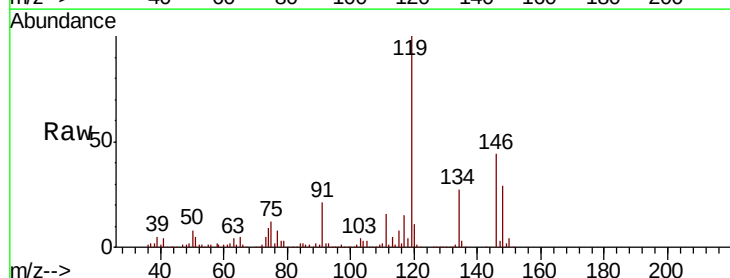
Tgt Ion:119 Resp: 659884

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.6

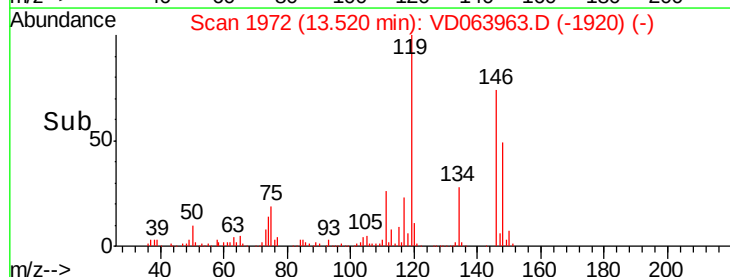
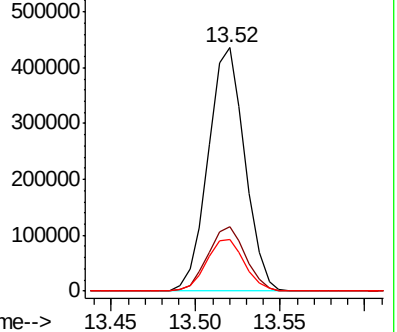
91 21.8 11.2 33.5

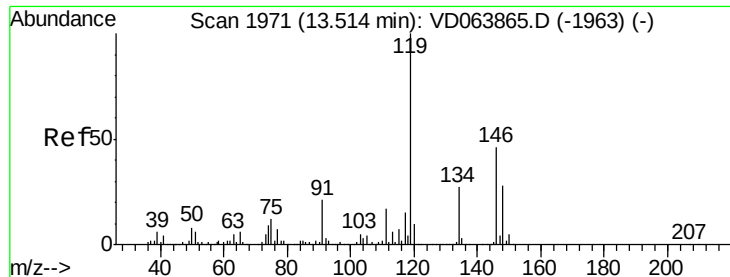


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

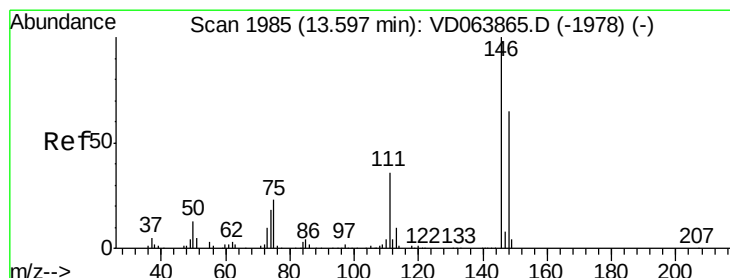
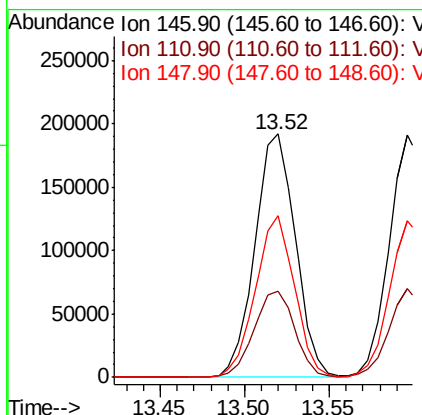
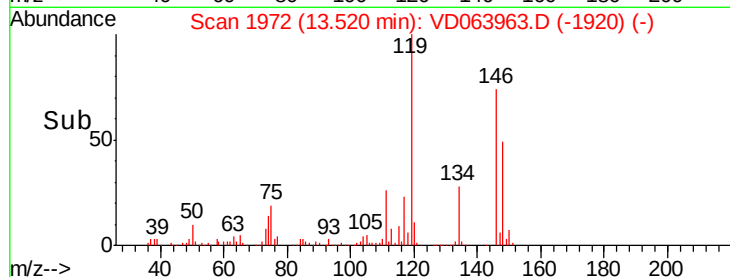
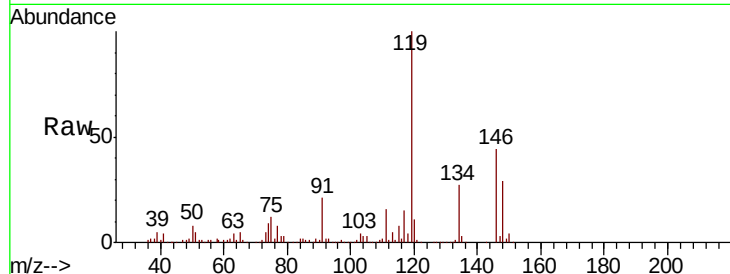




#87
 1,3-Dichlorobenzene
 Concen: 54.813 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

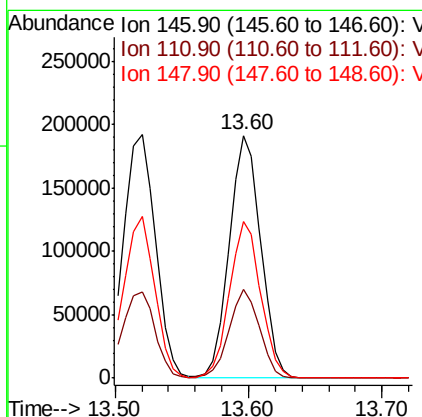
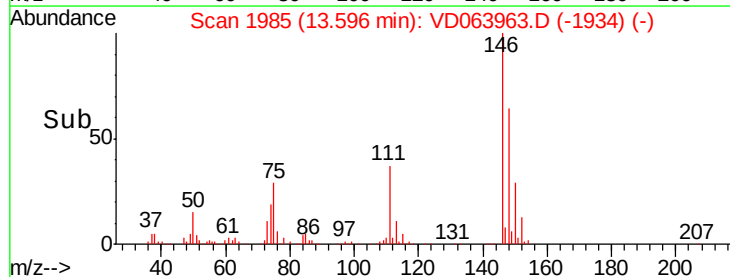
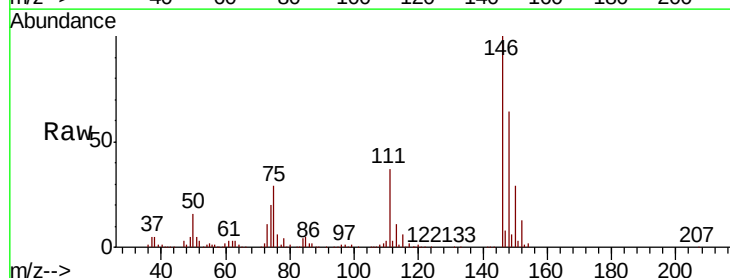
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

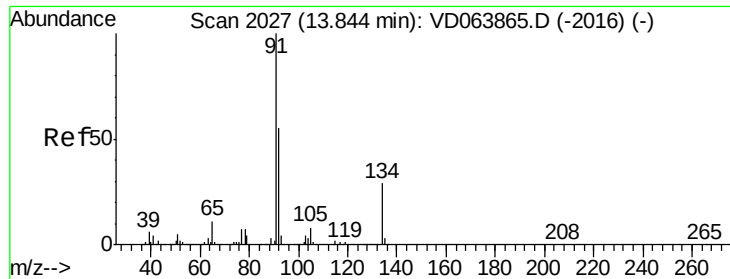
Tot Ion:146 Resp: 321079
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.3 54.9
 148 63.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 54.517 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion:146 Resp: 315049
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.6 56.0
 148 63.7 32.6 98.0

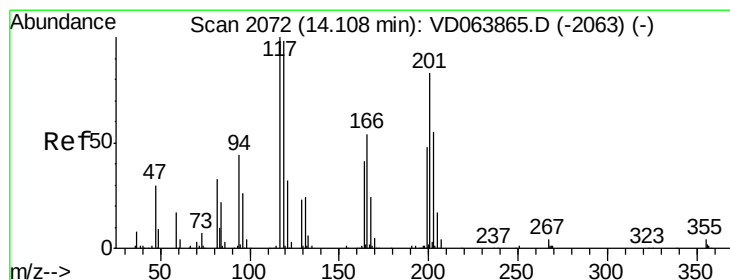
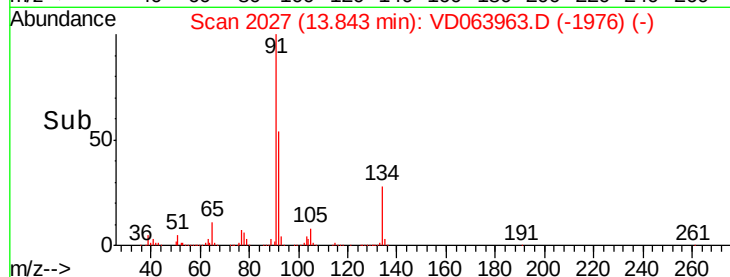
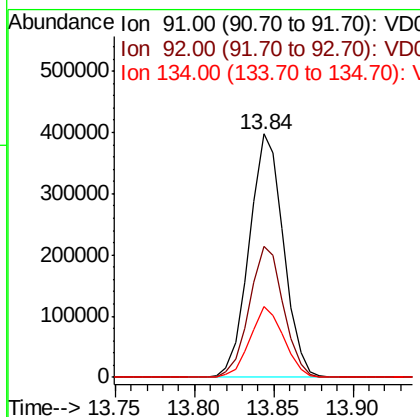
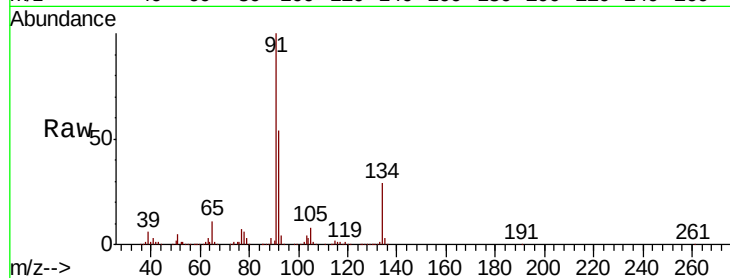




#89
n-Butylbenzene
Concen: 56.852 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

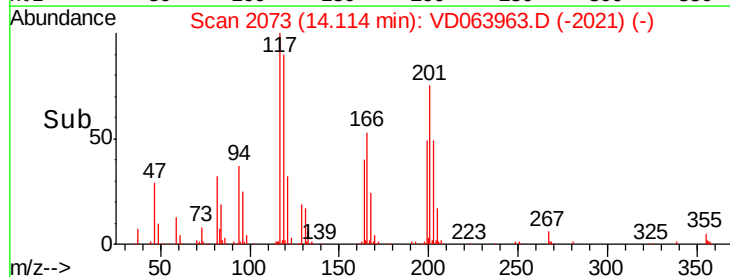
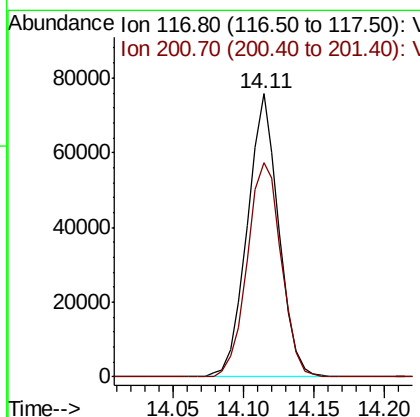
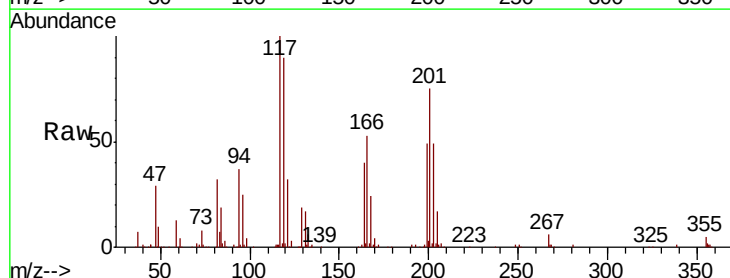
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

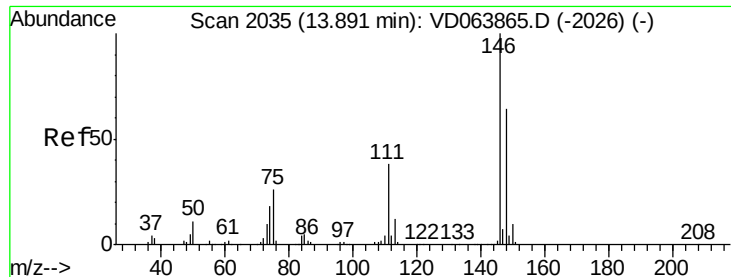
Tot Ion: 91 Resp: 597476
Ion Ratio Lower Upper
91 100
92 53.4 26.8 80.3
134 28.4 14.4 43.0



#90
Hexachloroethane
Concen: 58.152 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 117 Resp: 118084
Ion Ratio Lower Upper
117 100
201 82.0 40.6 121.7

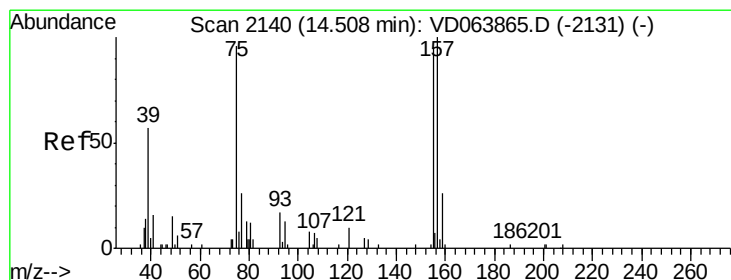
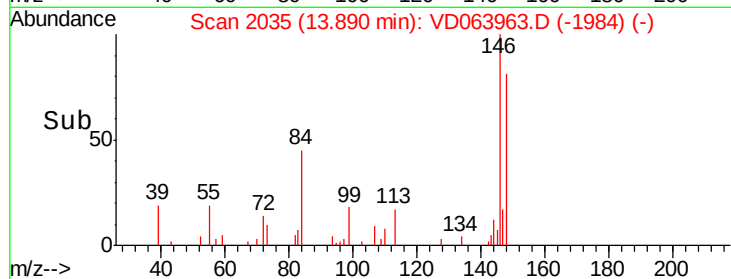
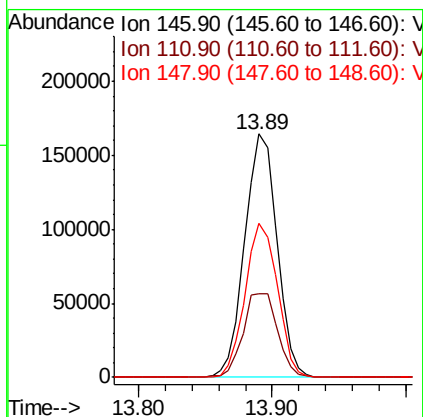
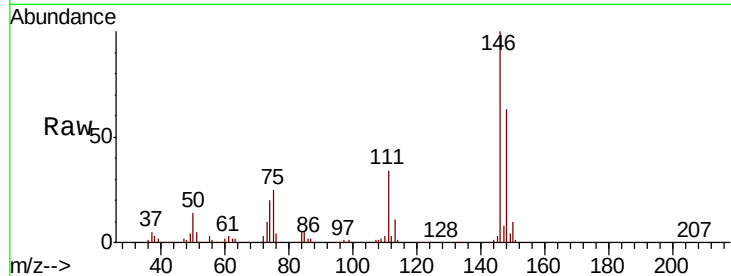




#91
 1,2-Dichlorobenzene
 Concen: 54.382 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

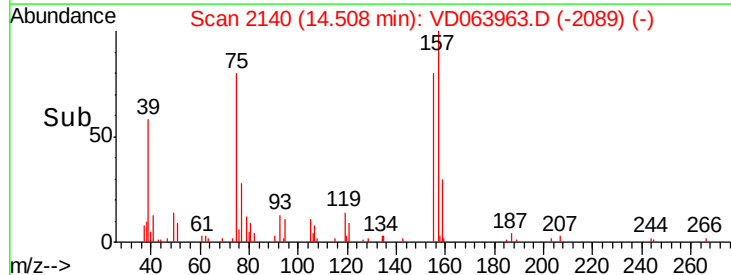
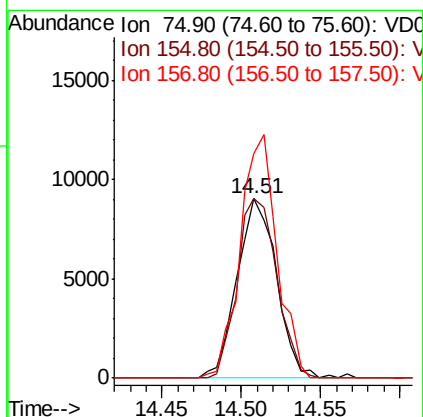
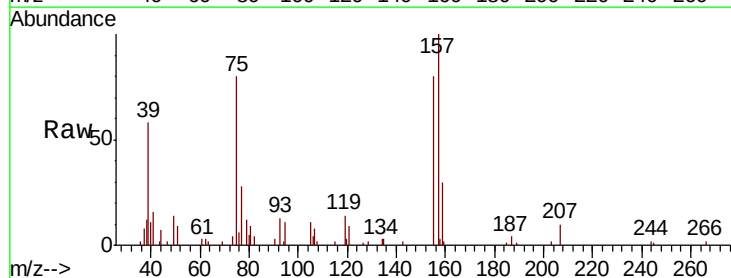
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

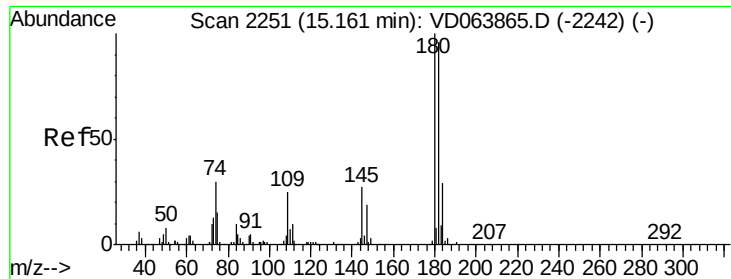
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	63.4	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.631 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	43.9	131.6
157	125.3	56.0	167.9

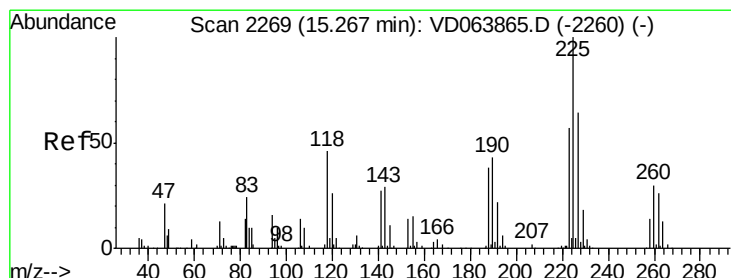
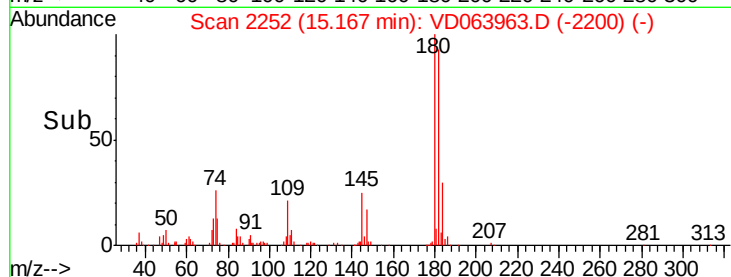
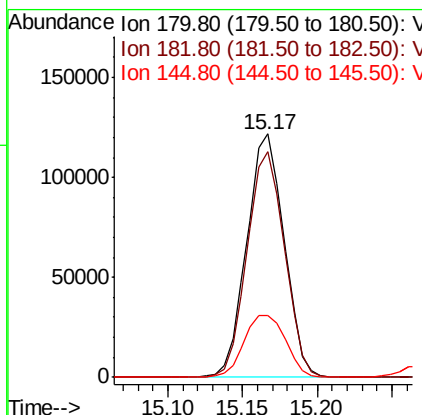
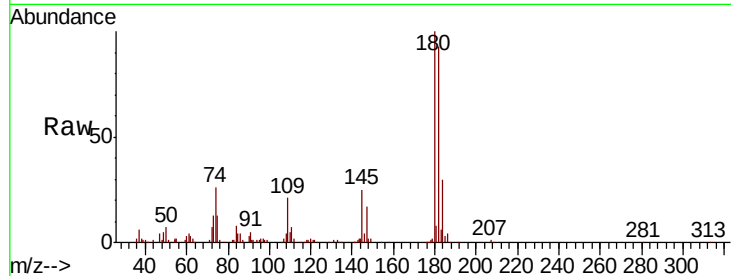




#93
 1,2,4-Trichlorobenzene
 Concen: 54.184 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

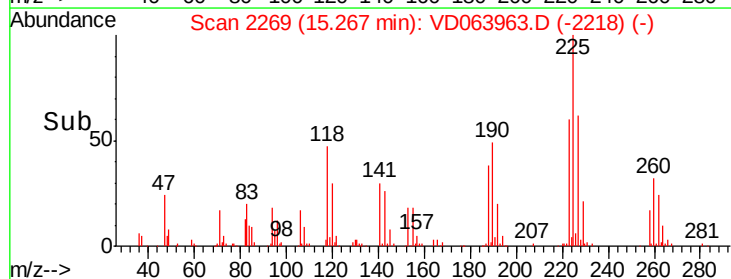
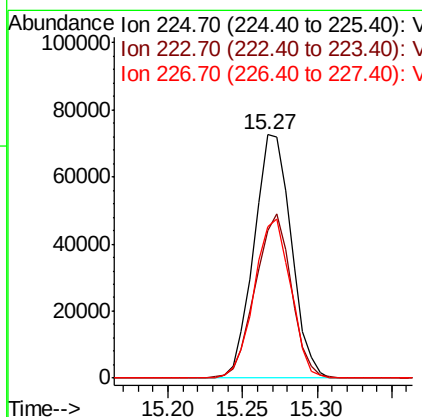
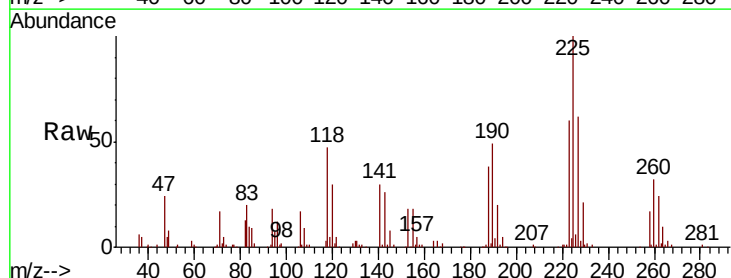
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

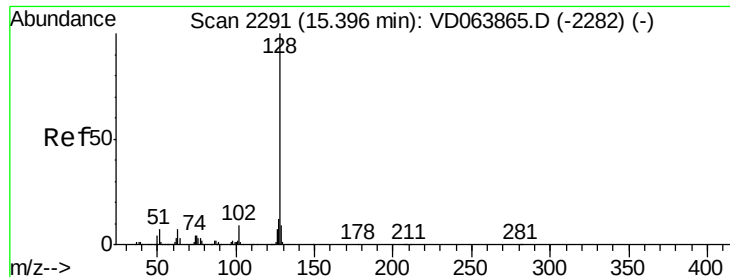
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.3
145	28.4	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 58.349 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	29.5	88.6
227	64.1	30.8	92.4

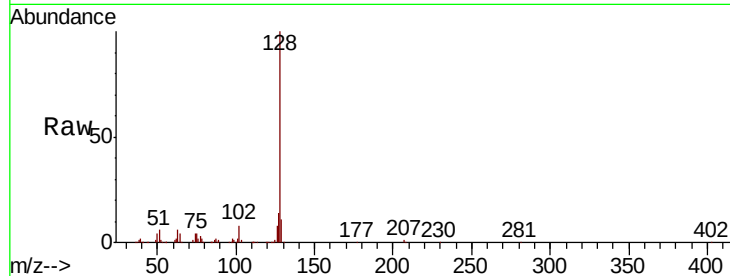




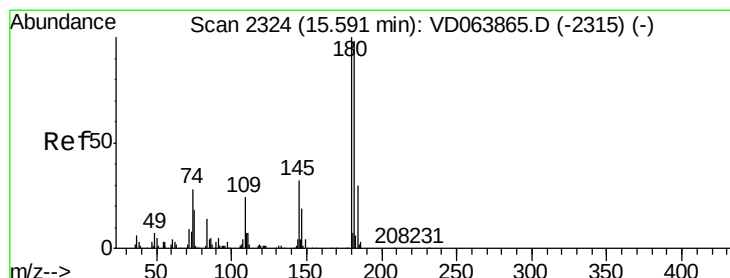
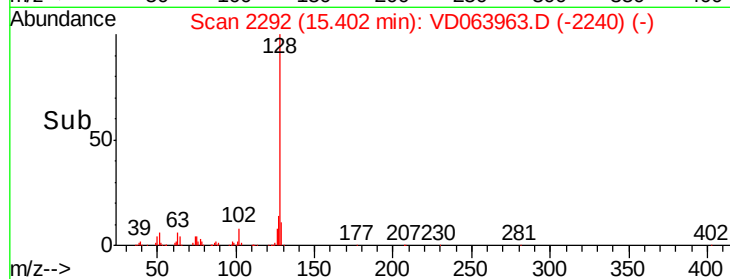
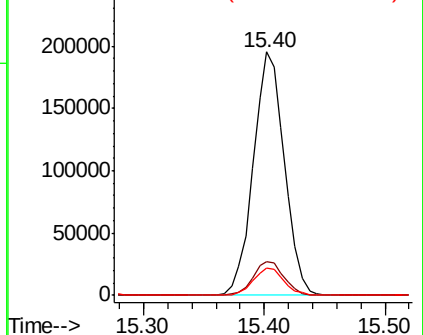
#95
Naphthalene
Concen: 53.532 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 350464
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.0 8.6 13.0

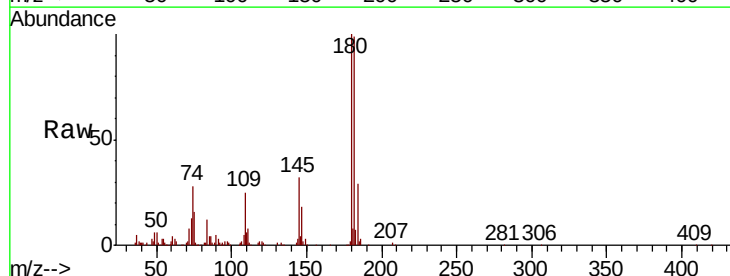


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.254 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion:180 Resp: 178969
Ion Ratio Lower Upper
180 100
182 97.7 47.0 141.0
145 31.8 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

