

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063906.D
 Acq On : 10 Oct 2019 13:20
 Operator : VA/SY
 Sample : K5285-13
 Misc : 4.99G/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-D1

Quant Time: Oct 11 07:38:07 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	7498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	11142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	9755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	5448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	4938	67.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.28%	
35) Dibromofluoromethane	7.92	113	3908	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	
50) Toluene-d8	10.34	98	12397	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	
62) 4-Bromofluorobenzene	12.64	95	4208	43.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.62%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.20	85	60	1.128	ug/l #	47
3) Chloromethane	2.20	50	380	Below Cal	#	40
4) Vinyl Chloride	2.35	62	299	1.740	ug/l #	43
5) Bromomethane	2.78	94	186	1.683	ug/l #	66
6) Chloroethane	2.93	64	303	2.666	ug/l #	46
9) 1,1,2-Trichlorotrifluoroet	4.29	101	150	2.385	ug/l #	16
13) Acrolein	3.95	56	153	23.467	ug/l #	17
15) Acrylonitrile	5.47	53	185	11.505	ug/l #	17
16) Acetone	4.17	43	307	16.153	ug/l #	42
18) Methyl Acetate	4.70	43	114	3.067	ug/l #	31
20) Methylene Chloride	5.03	84	56	Below Cal	#	9
23) Vinyl Acetate	6.29	43	236	1.859	ug/l #	71
25) 2-Butanone	7.23	43	109	4.839	ug/l #	51
28) Bromochloromethane	7.40	49	59	3.001	ug/l #	1
29) Tetrahydrofuran	7.59	42	59	4.488	ug/l #	25
31) Cyclohexane	7.98	56	53	Below Cal	#	59
37) Ethyl Acetate	7.30	43	68	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	567	5.508	ug/l #	15
41) Methacrylonitrile	7.54	41	77	3.260	ug/l #	30
43) Isopropyl Acetate	8.50	43	122	1.428	ug/l #	49
45) 1,2-Dichloropropane	9.40	63	74	1.036	ug/l #	41
46) Dibromomethane	9.37	93	68	1.671	ug/l #	3
48) Methyl methacrylate	9.44	41	340	8.306	ug/l #	9
49) 1,4-Dioxane	9.56	88	54	97.211	ug/l #	53
51) 4-Methyl-2-Pentanone	10.21	43	59	1.332	ug/l #	1
53) t-1,3-Dichloropropene	10.73	75	131	1.281	ug/l #	46
55) 1,1,2-Trichloroethane	10.80	97	226	3.933	ug/l #	40
58) 2-Chloroethyl Vinyl ether	9.91	63	61	1.950	ug/l #	44
59) 2-Hexanone	11.00	43	73	2.278	ug/l	69
61) 1,2-Dibromoethane	11.01	107	56	1.005	ug/l #	3
64) Tetrachloroethene	10.88	164	82	1.231	ug/l #	1
68) m/p-Xylenes	11.87	106	274	2.010	ug/l #	23
71) Bromoform	12.62	173	60	1.549	ug/l #	1
73) Isopropylbenzene	12.49	105	450	1.229	ug/l #	48

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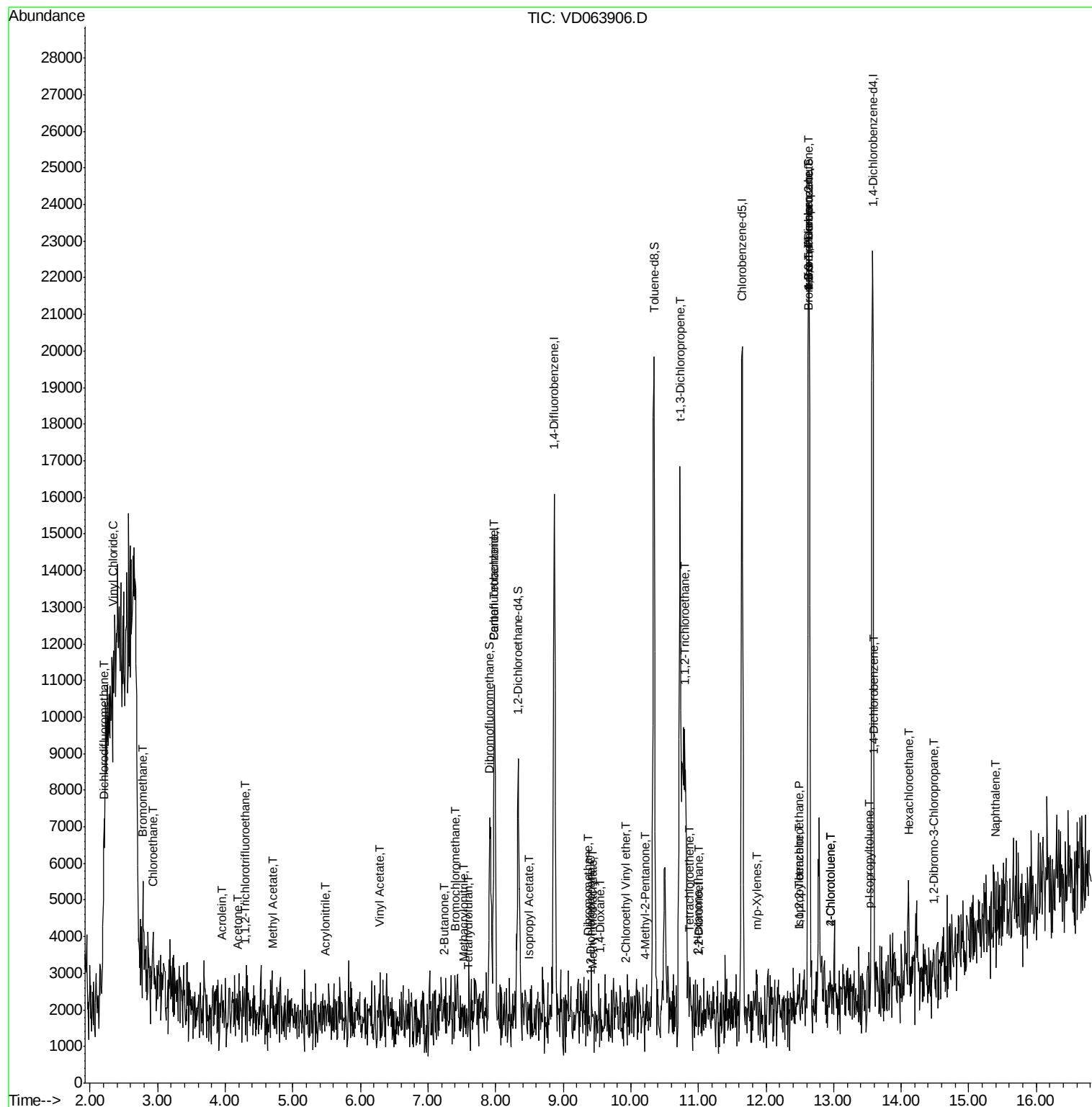
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	12.50	83	83	1.302	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	3168	86.820	ug/l #	100
79) 2-Chlorotoluene	12.94	91	258	1.088	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.64	75	3168	153.637	ug/l #	12
82) 4-Chlorotoluene	12.94	91	258	1.026	ug/l	94
86) p-Isopropyltoluene	13.53	119	375	1.079	ug/l #	50
88) 1,4-Dichlorobenzene	13.60	146	180	1.012	ug/l	84
90) Hexachloroethane	14.10	117	66	1.056	ug/l #	29
92) 1,2-Dibromo-3-Chloropropan	14.48	75	66	4.425	ug/l #	1
95) Naphthalene	15.40	128	495	2.457	ug/l #	69

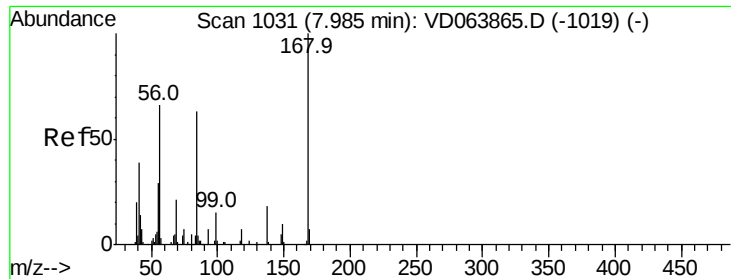
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

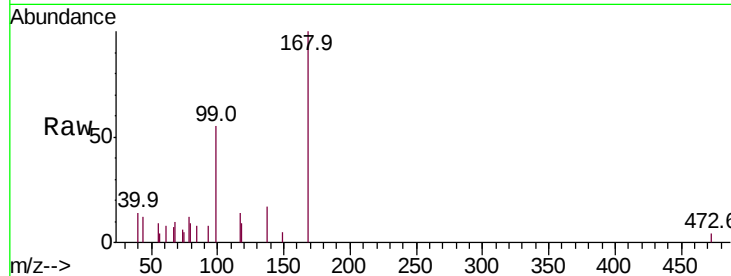
TP-2-D1

Tot Ion:168 Resp: 7498

Ion Ratio Lower Upper

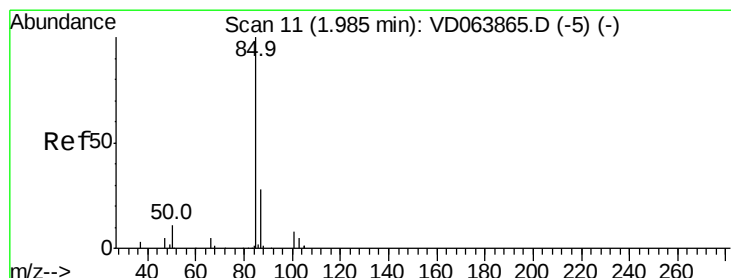
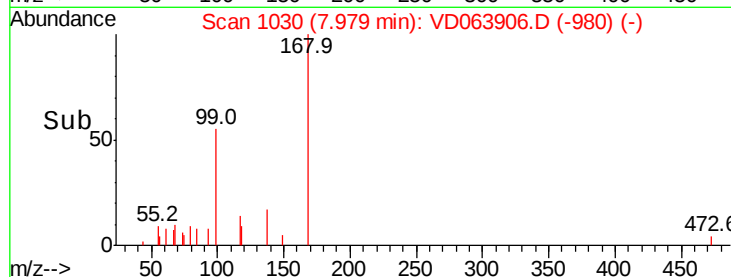
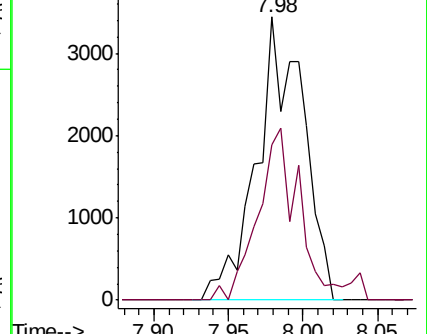
168 100

99 55.1 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: 1.128 ug/l

RT: 2.20 min Scan# 47

Delta R.T. 0.21 min

Lab File: VD063906.D

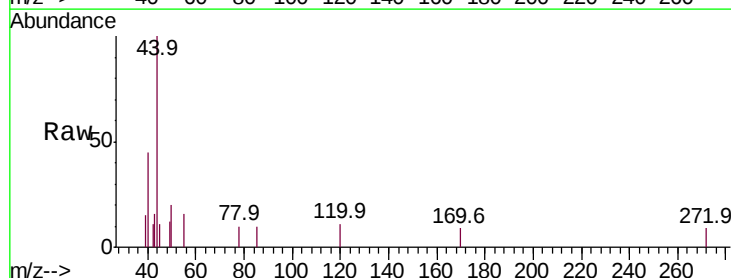
Acq: 10 Oct 2019 13:20

Tgt Ion: 85 Resp: 60

Ion Ratio Lower Upper

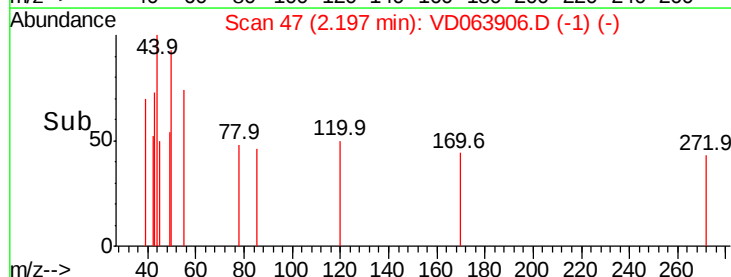
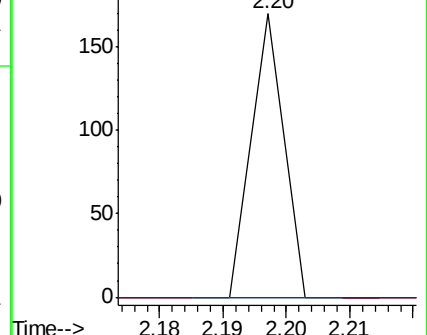
85 100

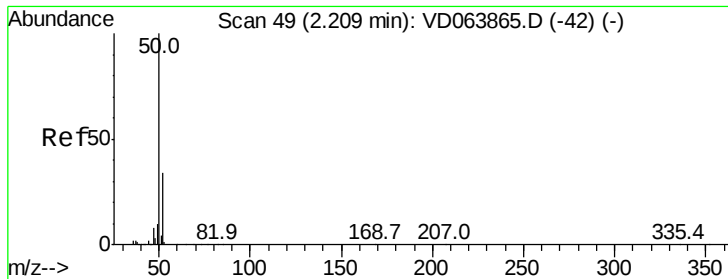
87 0.0 14.0 42.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

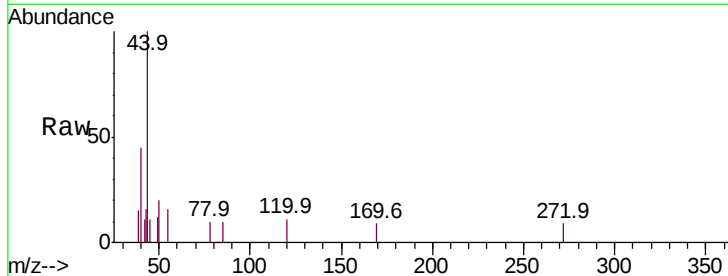
TP-2-D1

Tot Ion: 50 Resp: 380

Ion Ratio Lower Upper

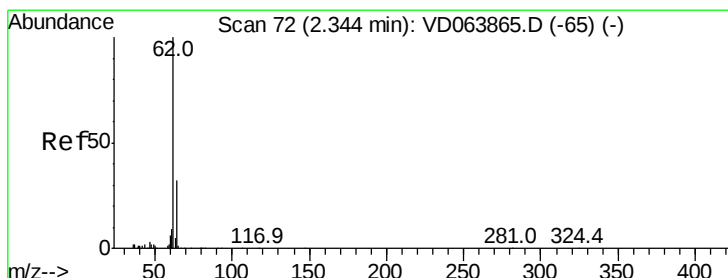
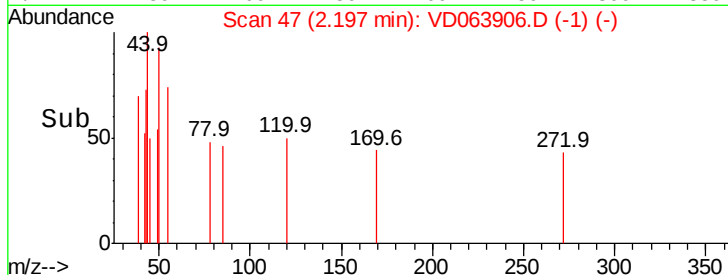
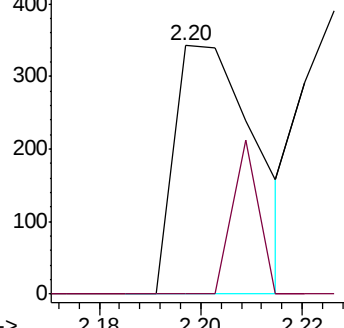
50 100

52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 1.740 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063906.D

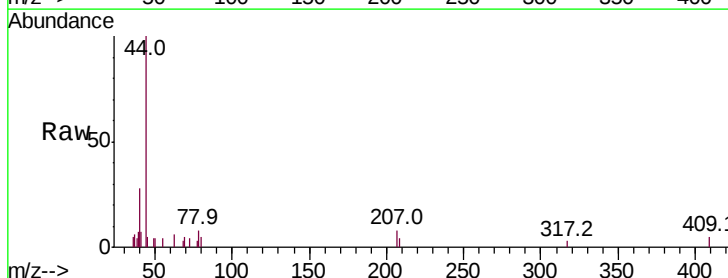
Acq: 10 Oct 2019 13:20

Tgt Ion: 62 Resp: 299

Ion Ratio Lower Upper

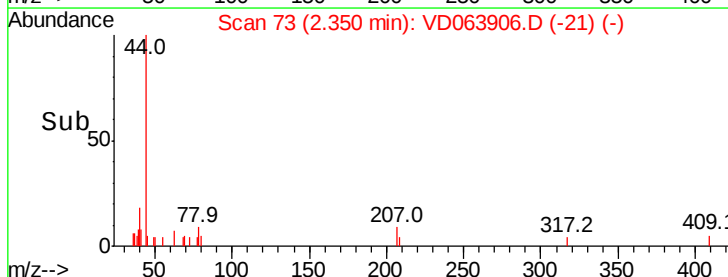
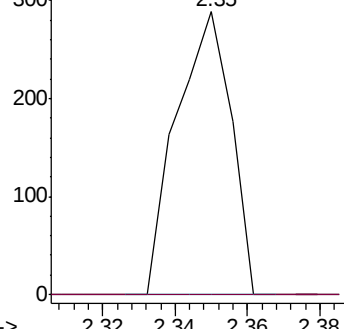
62 100

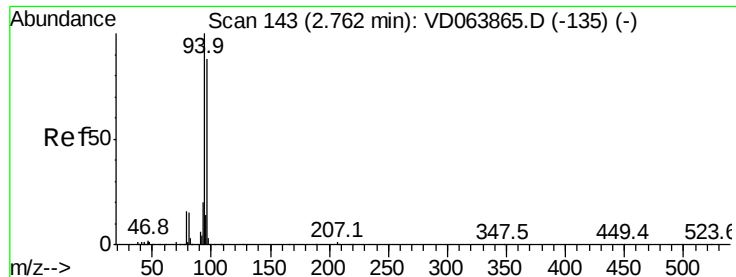
64 0.0 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 1.683 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.02 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

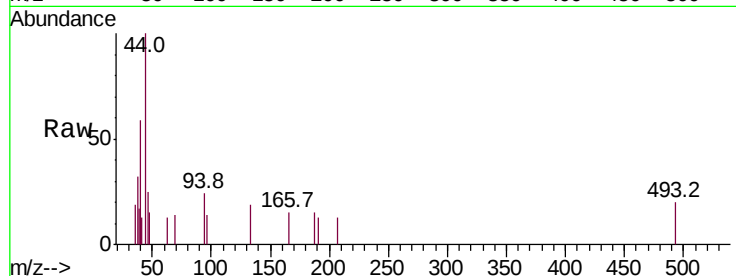
TP-2-D1

Tot Ion: 94 Resp: 186

Ion Ratio Lower Upper

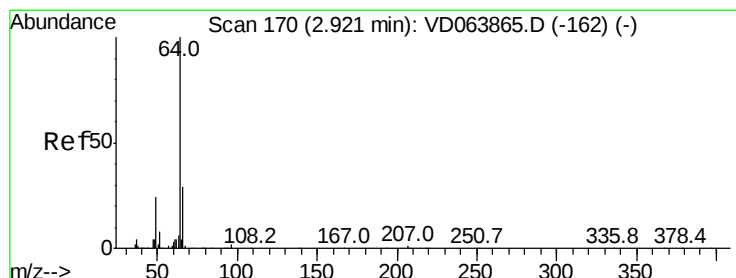
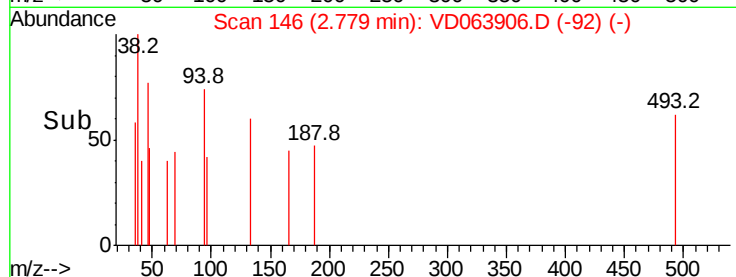
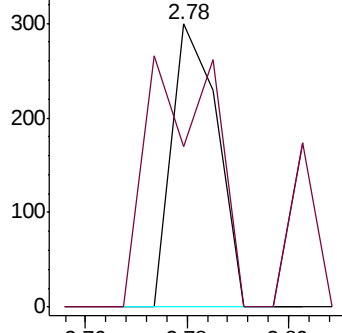
94 100

96 56.9 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: 2.666 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063906.D

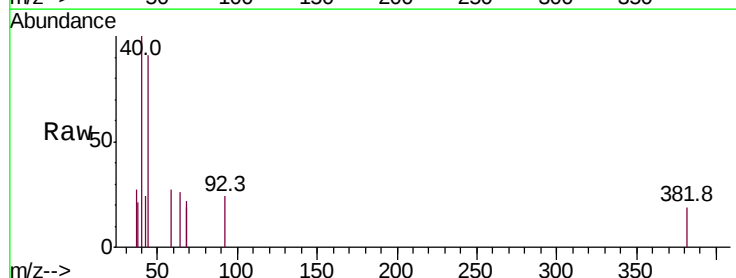
Acq: 10 Oct 2019 13:20

Tgt Ion: 64 Resp: 303

Ion Ratio Lower Upper

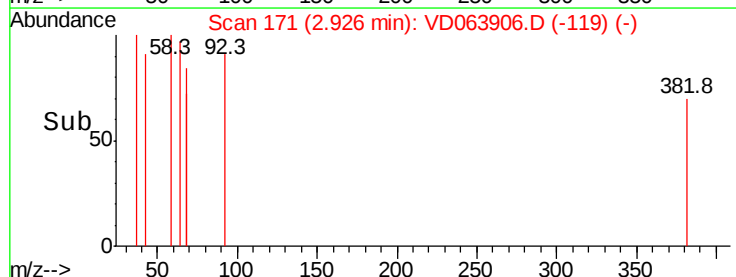
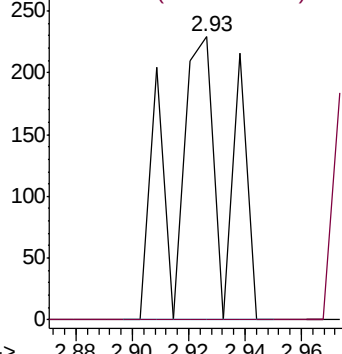
64 100

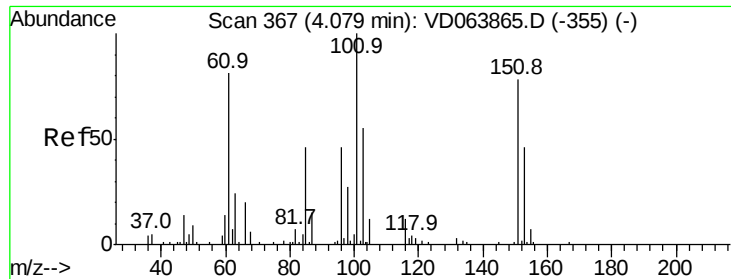
66 0.0 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.385 ug/l

RT: 4.29 min Scan# 402

Delta R.T. 0.21 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

TP-2-D1

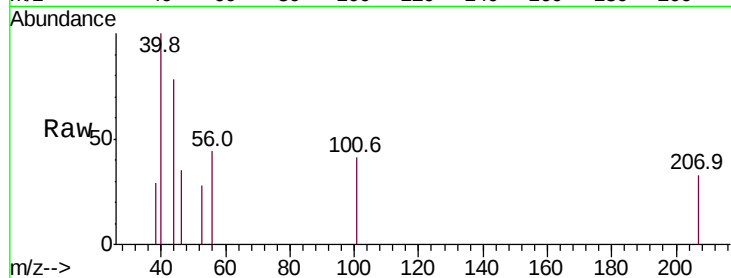
Tot Ion:101 Resp: 150

Ion Ratio Lower Upper

101 100

85 0.0 37.5 56.3#

151 0.0 65.5 98.3#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

4.29

200

150

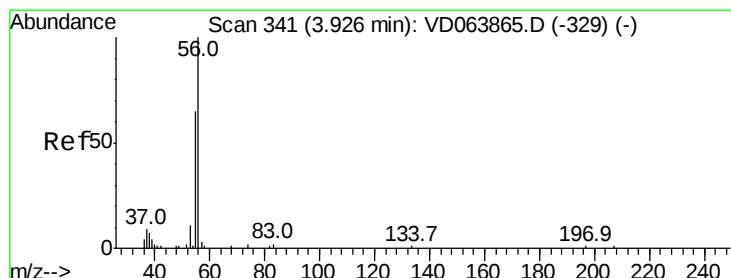
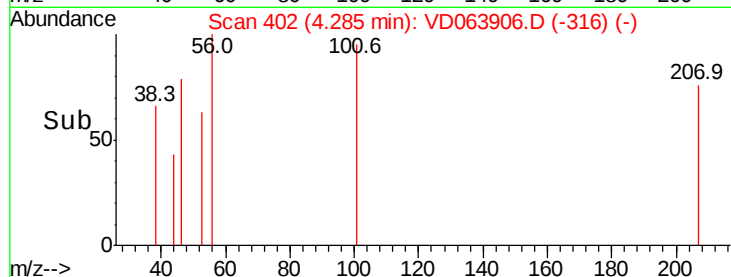
100

50

0

4.26 4.28 4.30

Time-->



#13

Acrolein

Concen: 23.467 ug/l

RT: 3.95 min Scan# 345

Delta R.T. 0.02 min

Lab File: VD063906.D

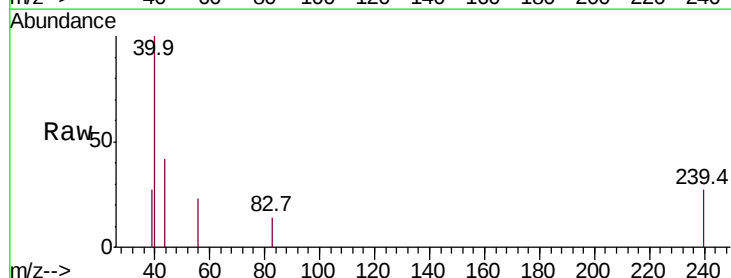
Acq: 10 Oct 2019 13:20

Tgt Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 0.0 53.0 79.6#



Abundance Ion 56.00 (55.70 to 56.70): V

Ion 55.00 (54.70 to 55.70): V

3.95

250

200

150

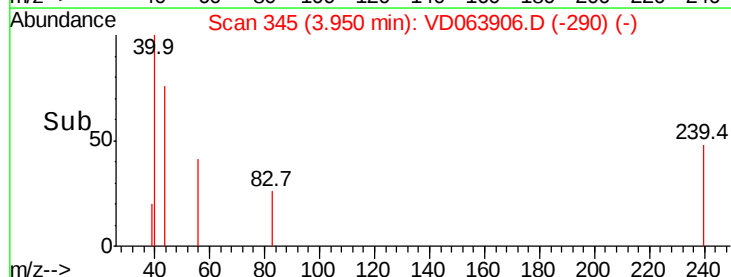
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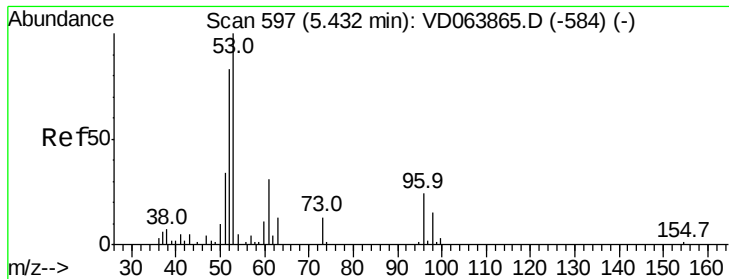
50

0

3.92 3.94 3.96

Time-->

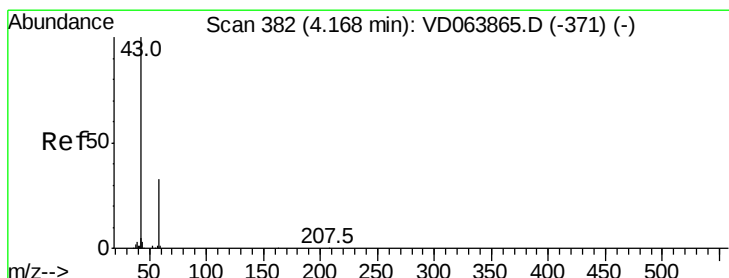
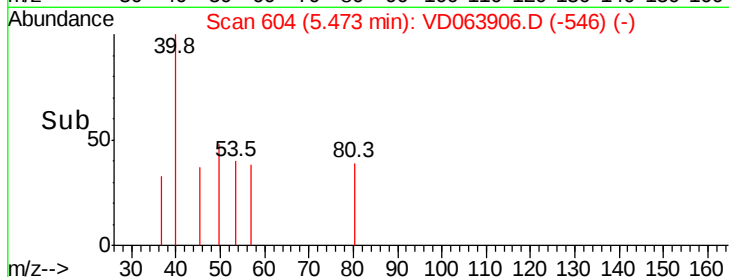
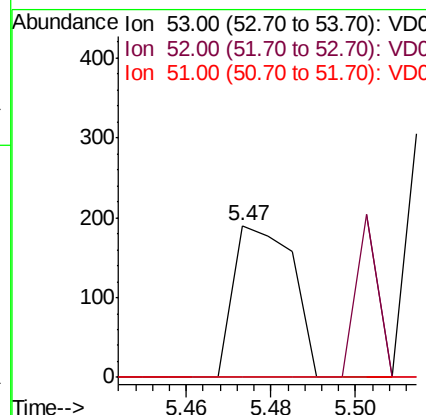
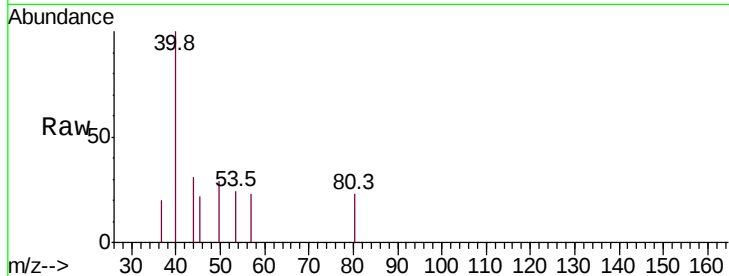




#15
 Acrylonitrile
 Concen: 11.505 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.04 min
 Lab File: VD063906.D
 Acq: 10 Oct 2019 13:20

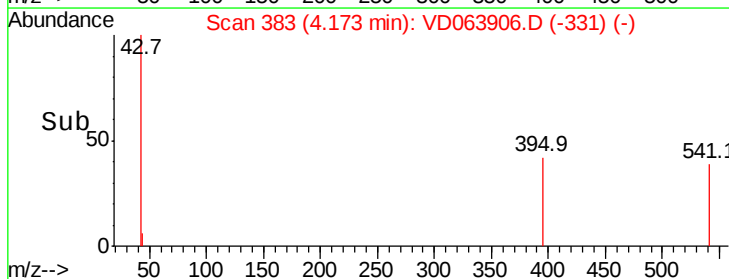
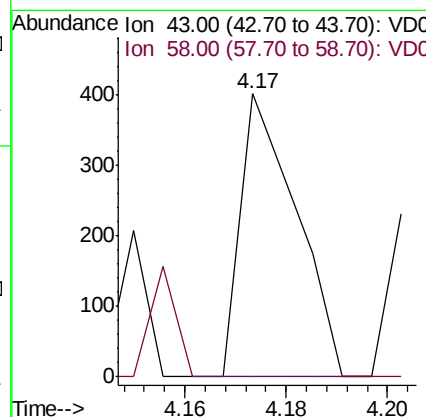
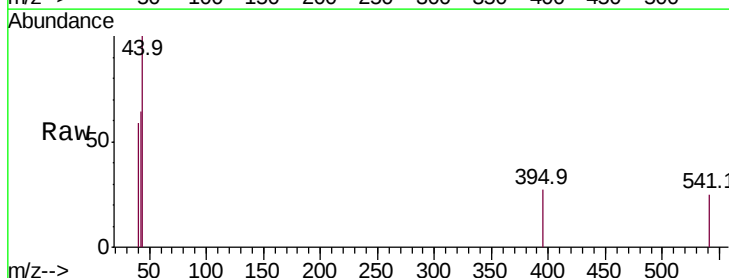
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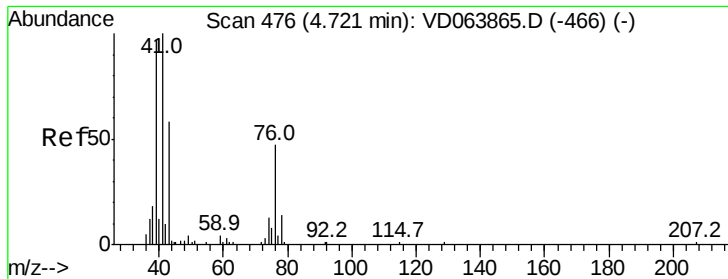
Tot Ion: 53 Resp: 185
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.3 100.9#
 51 0.0 30.5 45.7#



#16
 Acetone
 Concen: 16.153 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD063906.D
 Acq: 10 Oct 2019 13:20

Tgt Ion: 43 Resp: 307
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#

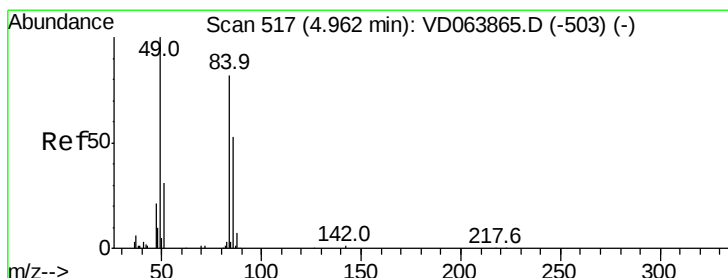
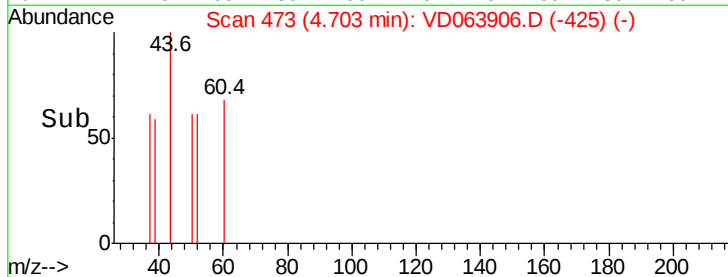
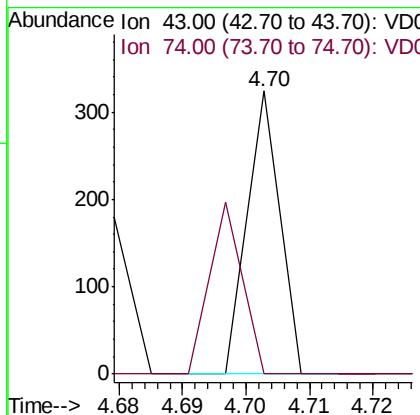
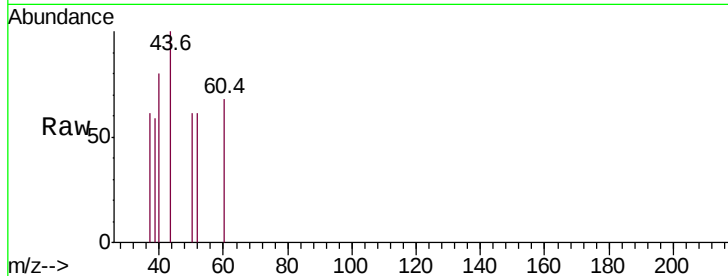




#18
Methyl Acetate
Concen: 3.067 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.02 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

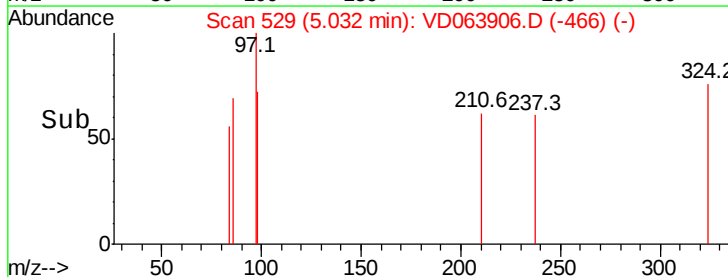
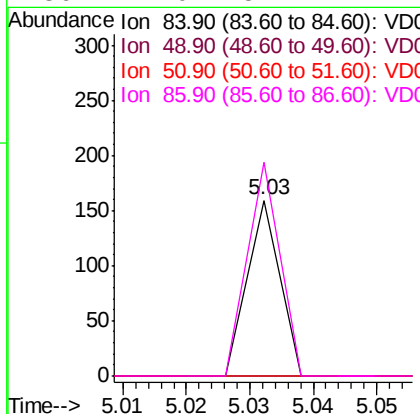
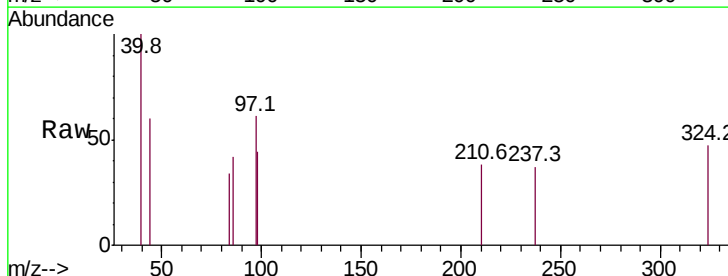
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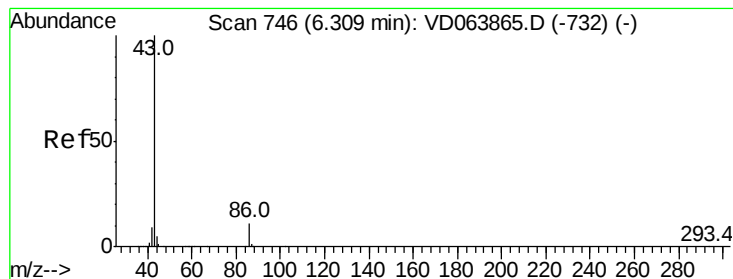
Tot Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
74 61.4 20.8 31.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.03 min Scan# 529
Delta R.T. 0.07 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion: 84 Resp: 56
Ion Ratio Lower Upper
84 100
49 0.0 97.3 145.9#
51 0.0 30.1 45.1#
86 122.0 51.4 77.2#





#23

Vinyl Acetate

Concen: 1.859 ug/l

RT: 6.29 min Scan# 743

Delta R.T. -0.02 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleID :

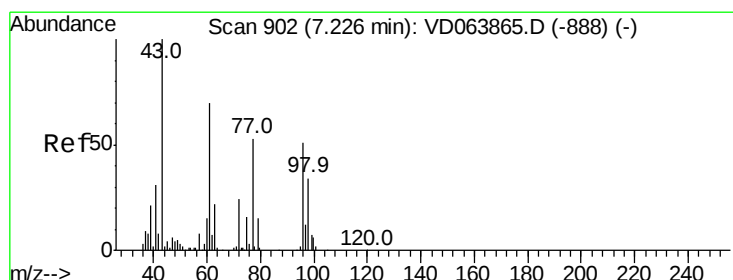
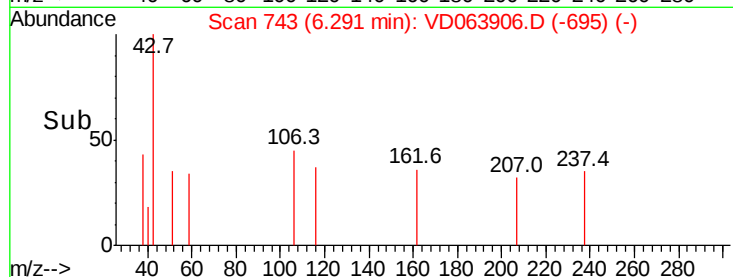
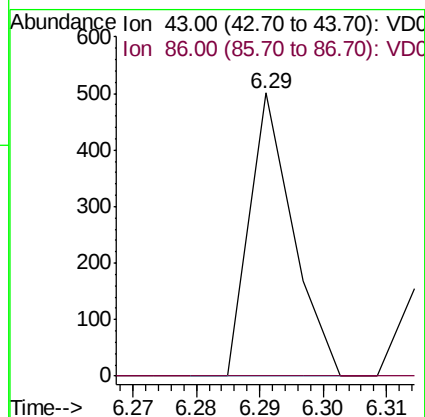
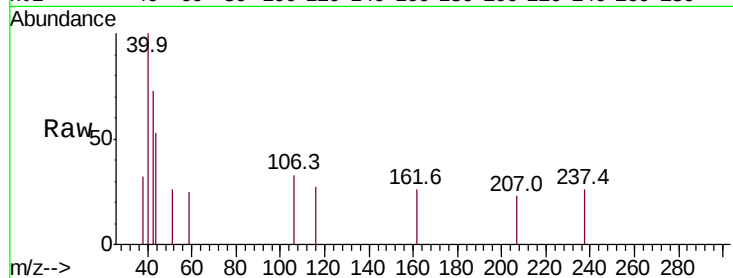
TP-2-D1

Tot Ion: 43 Resp: 236

Ion Ratio Lower Upper

43 100

86 0.0 8.8 13.2#



#25

2-Butanone

Concen: 4.839 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD063906.D

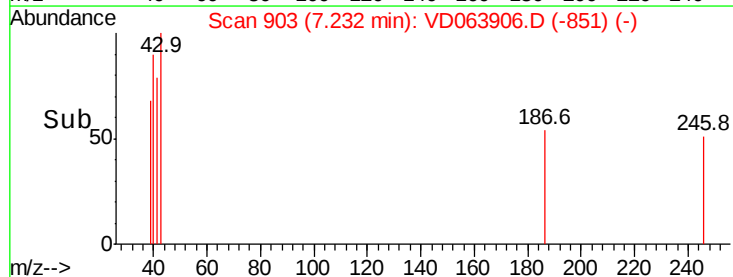
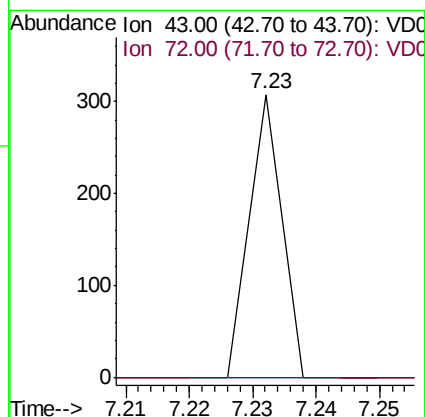
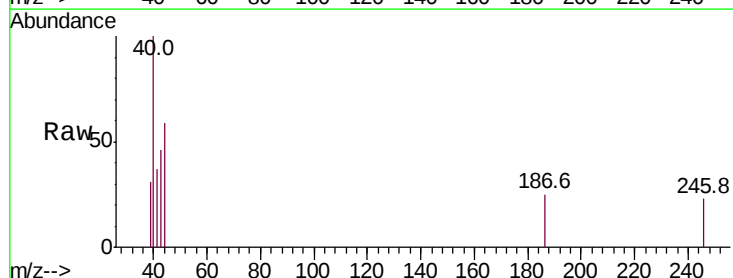
Acq: 10 Oct 2019 13:20

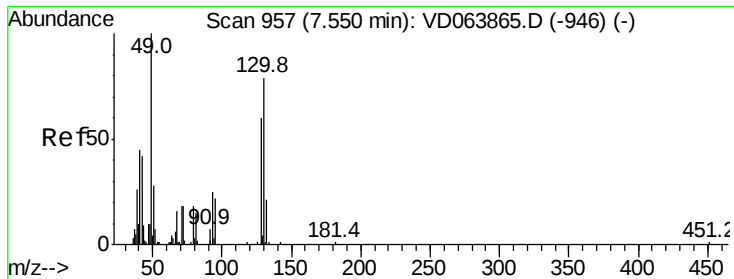
Tgt Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#





#28

Bromochloromethane

Concen: 3.001 ug/l

RT: 7.40 min Scan# 932

Delta R.T. -0.15 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

TP-2-D1

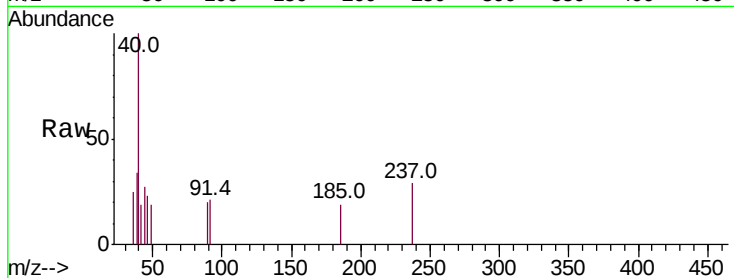
Tot Ion: 49 Resp: 59

Ion Ratio Lower Upper

49 100

129 150.8 0.0 5.6#

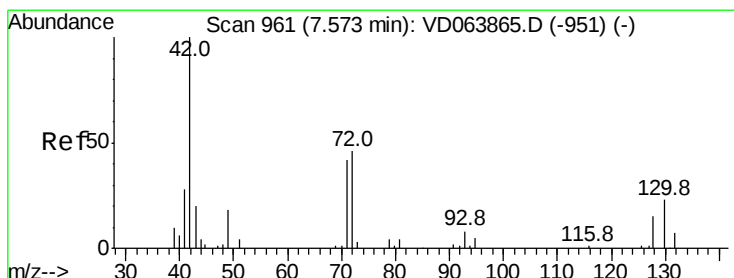
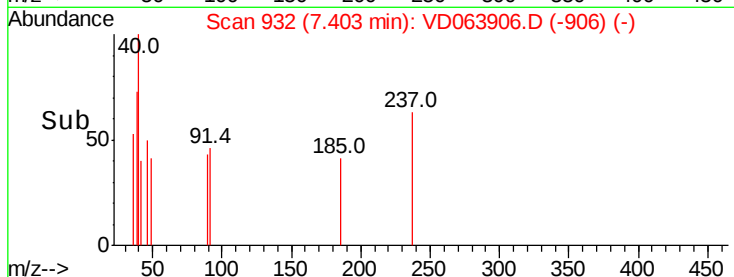
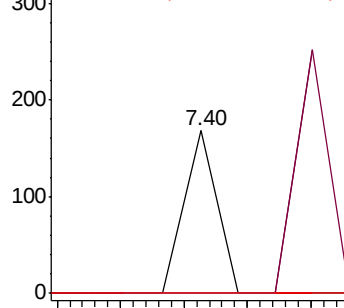
130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 4.488 ug/l

RT: 7.59 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

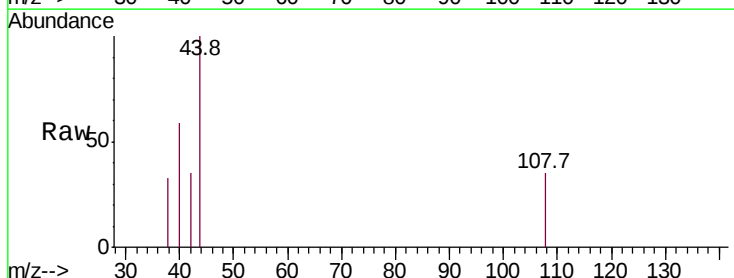
Tgt Ion: 42 Resp: 59

Ion Ratio Lower Upper

42 100

72 101.7 37.6 56.4#

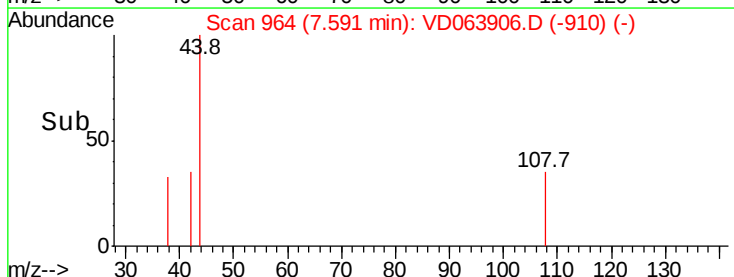
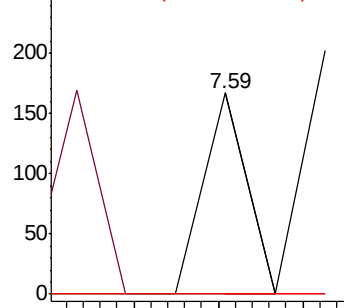
71 0.0 35.0 52.6#

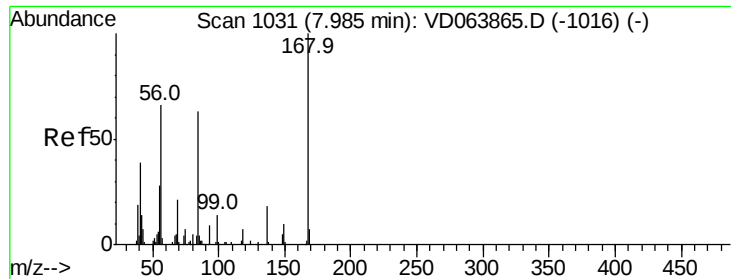


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

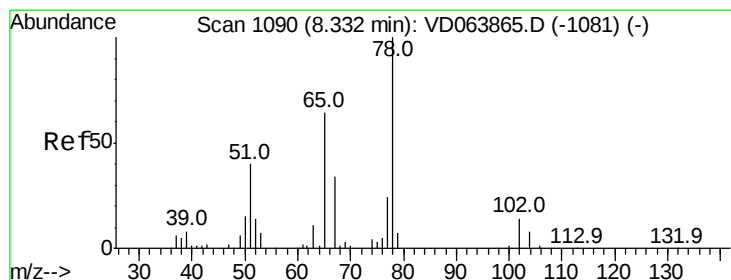
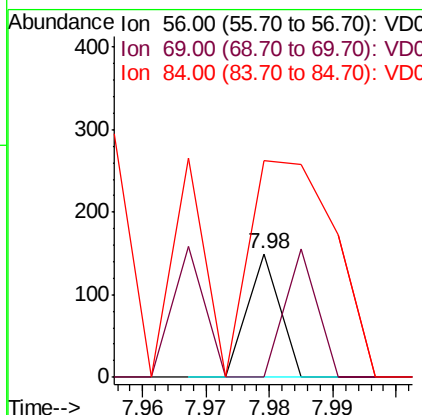
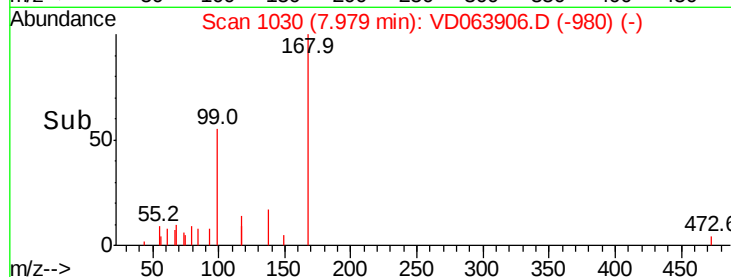
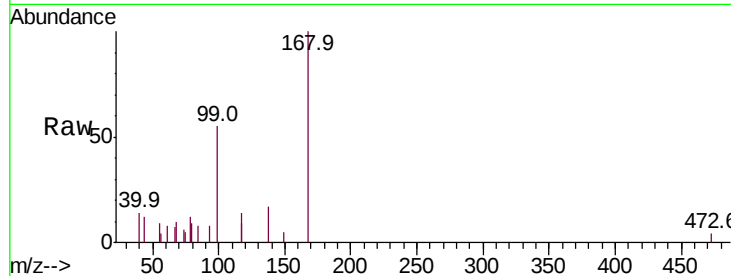




#31
Cvclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

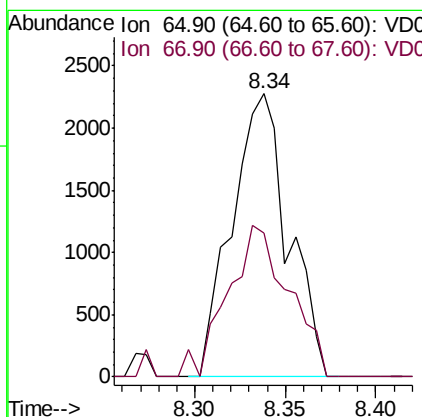
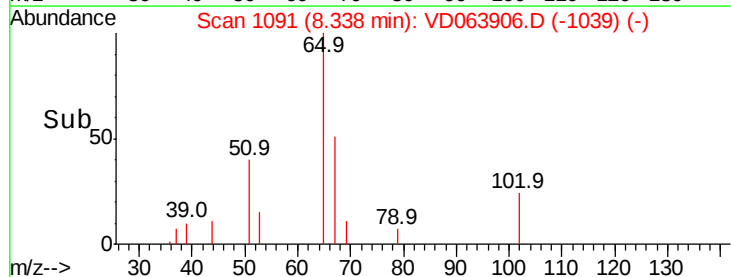
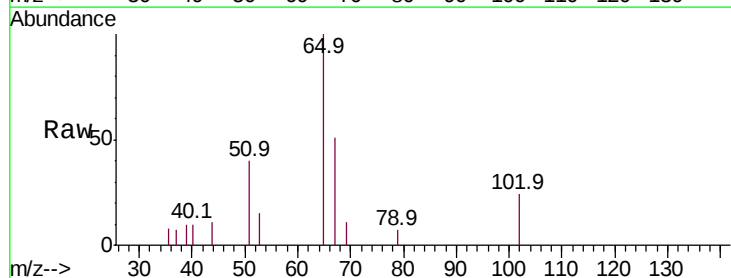
Instrument :
MSVOA_D
ClientSampleId :
TP-2-D1

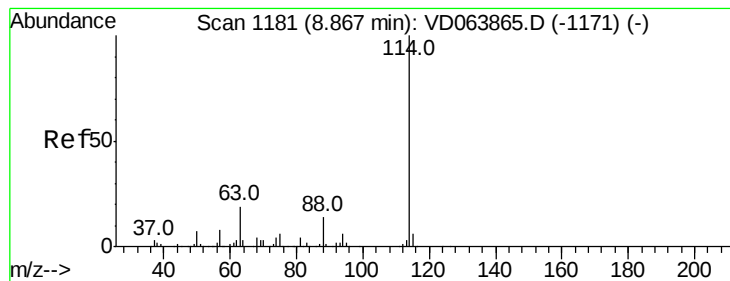
Tot Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
69 0.0 25.0 37.4#
84 60.0 76.3 114.5#



#33
1,2-Dichloroethane-d4
Concen: 67.645 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion: 65 Resp: 4938
Ion Ratio Lower Upper
65 100
67 57.9 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: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

TP-2-D1

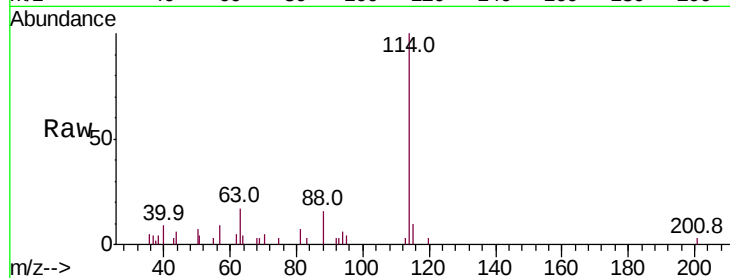
Tot Ion:114 Resp: 11142

Ion Ratio Lower Upper

114 100

63 16.6 0.0 38.4

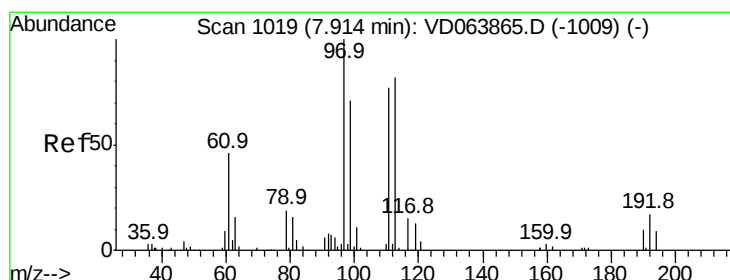
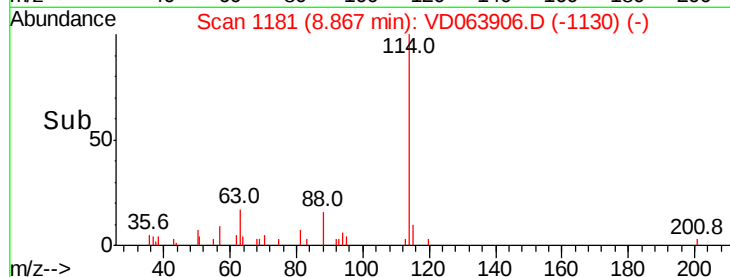
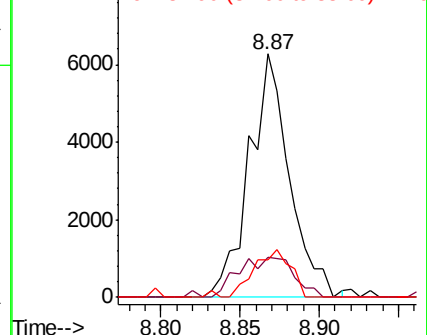
88 15.5 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 57.393 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

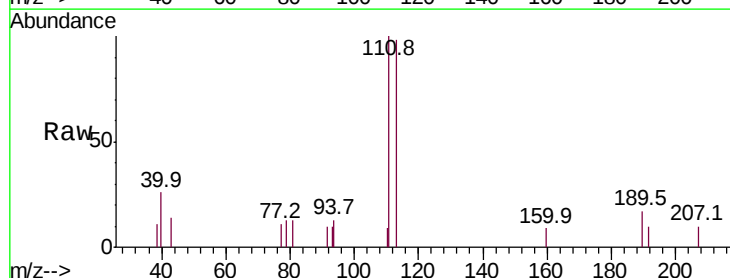
Tgt Ion:113 Resp: 3908

Ion Ratio Lower Upper

113 100

111 117.3 82.6 123.8

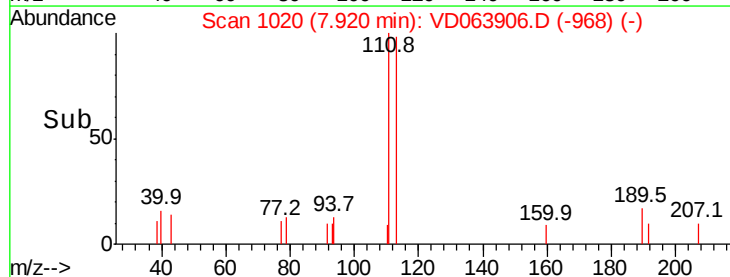
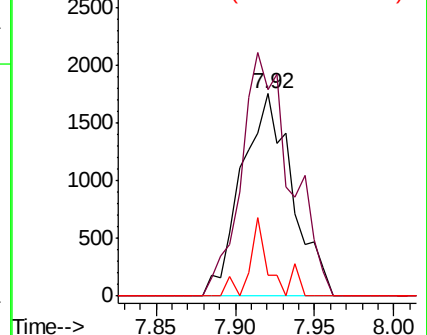
192 12.8 17.1 25.7#

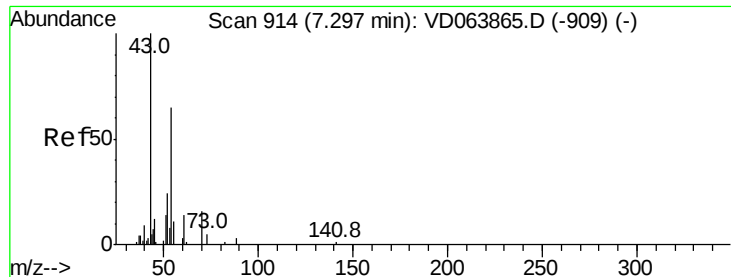


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

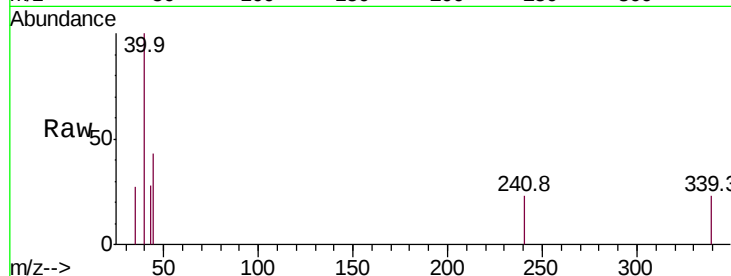




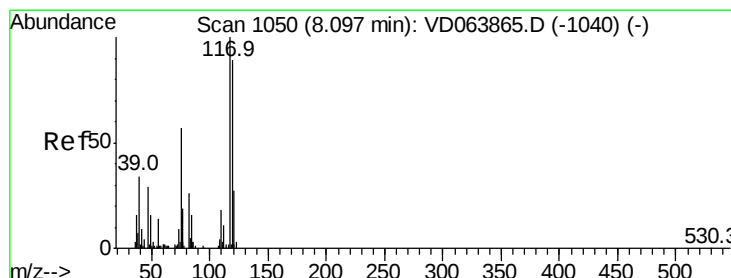
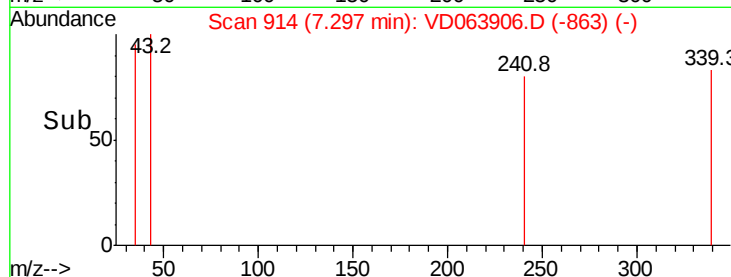
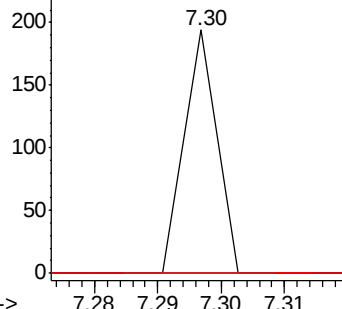
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
TP-2-D1

Tot Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

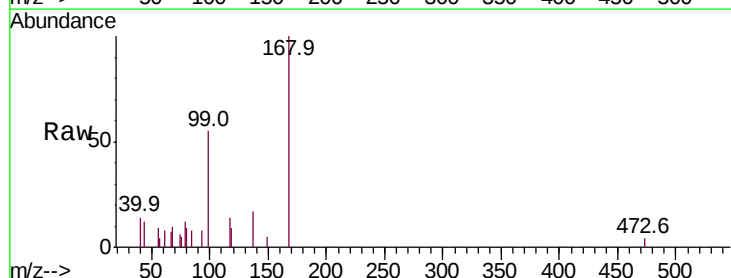


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

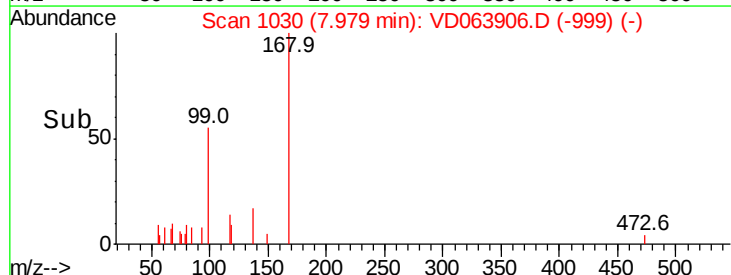
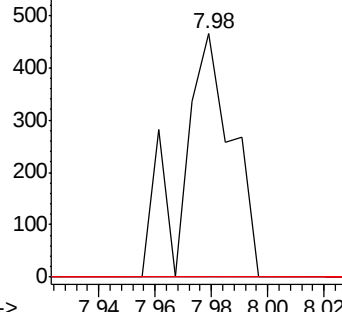


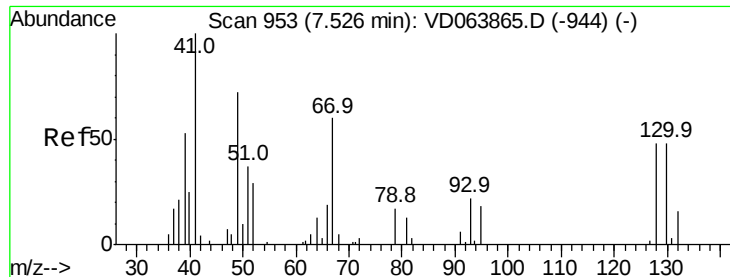
#38
Carbon Tetrachloride
Concen: 5.508 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion: 117 Resp: 567
Ion Ratio Lower Upper
117 100
119 0.0 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

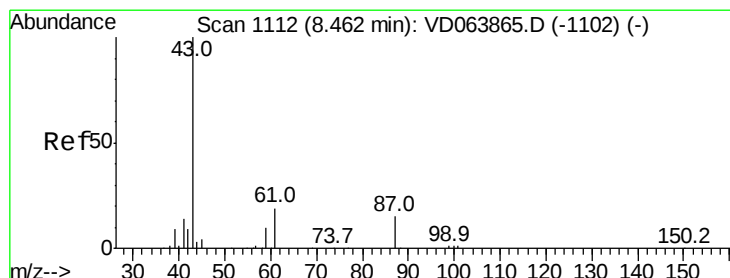
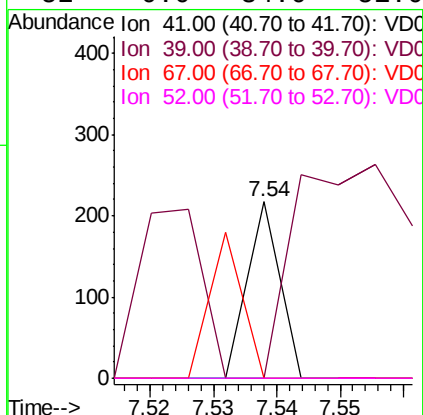
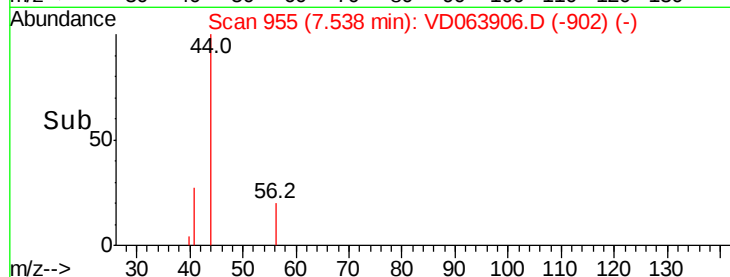
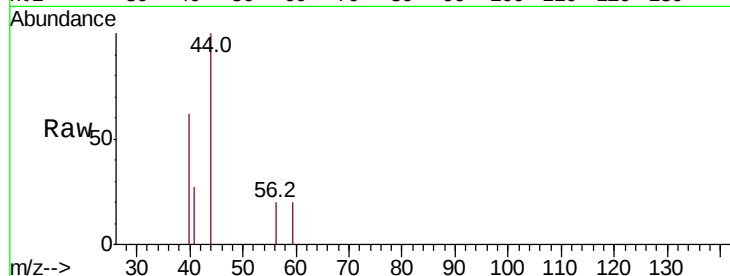




#41
Methacrylonitrile
Concen: 3.260 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

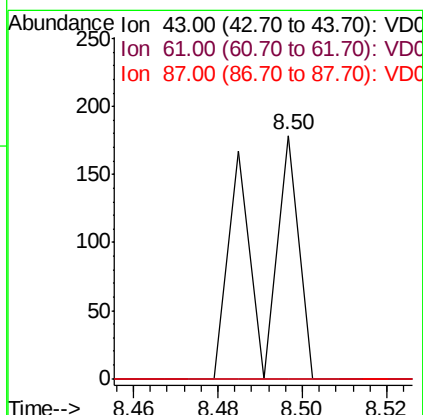
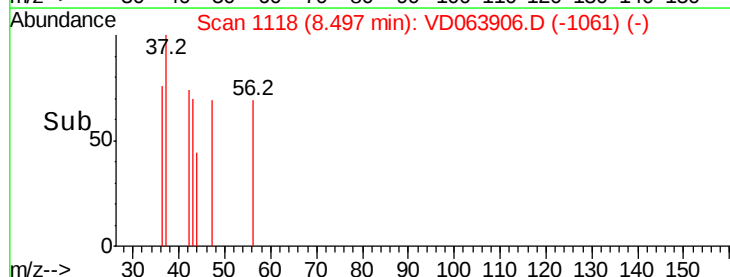
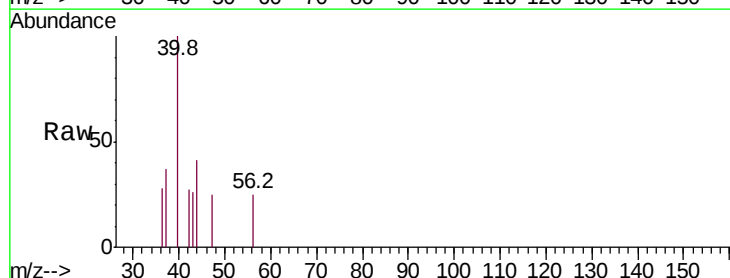
Instrument :
MSVOA_D
ClientSampled :
TP-2-D1

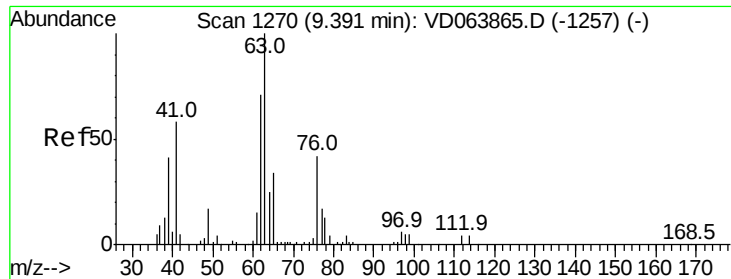
Tot Ion: 41 Resp: 77
Ion Ratio Lower Upper
41 100
39 188.3 52.6 78.8#
67 81.8 74.2 111.2
52 0.0 34.0 51.0#



#43
Isopropyl Acetate
Concen: 1.428 ug/l
RT: 8.50 min Scan# 1118
Delta R.T. 0.04 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
61 0.0 25.7 38.5#
87 0.0 11.6 17.4#





#45

1,2-Dichloropropane

Concen: 1.036 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

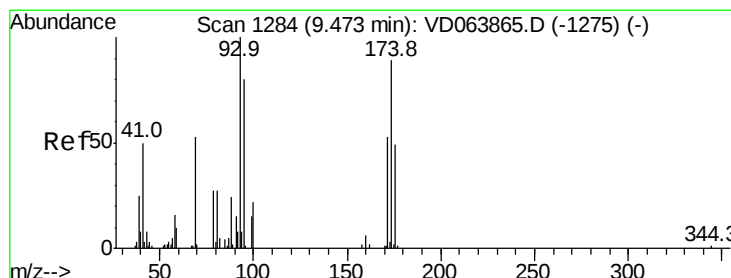
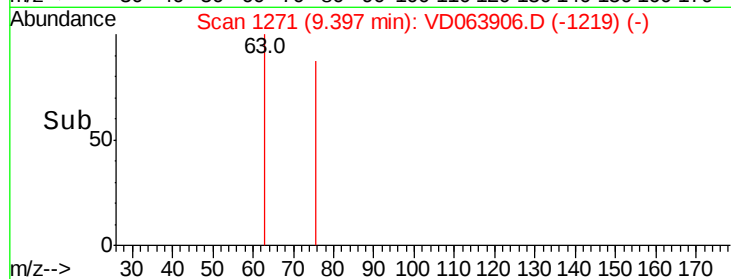
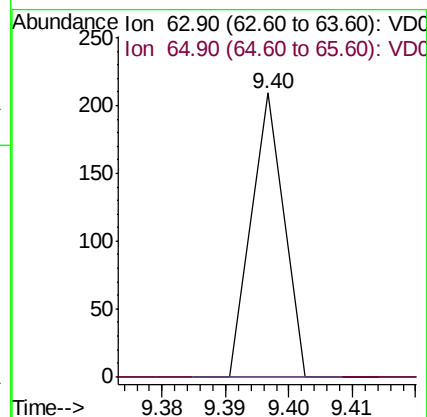
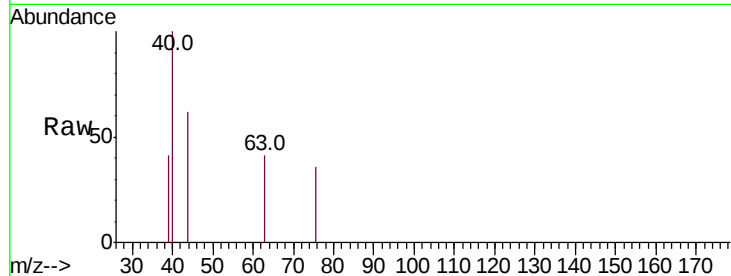
TP-2-D1

Tot Ion: 63 Resp: 74

Ion Ratio Lower Upper

63 100

65 0.0 27.3 40.9#



#46

Dibromomethane

Concen: 1.671 ug/l

RT: 9.37 min Scan# 1267

Delta R.T. -0.10 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

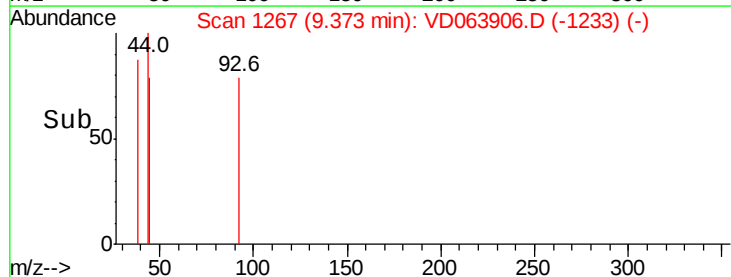
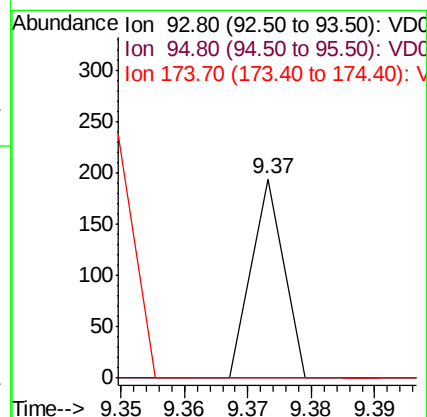
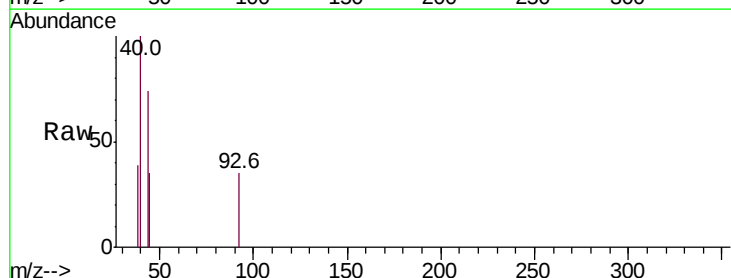
Tgt Ion: 93 Resp: 68

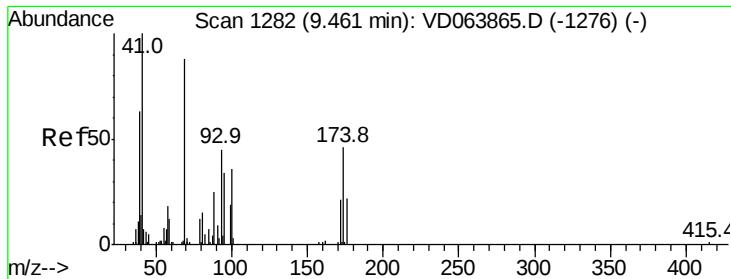
Ion Ratio Lower Upper

93 100

95 0.0 66.0 99.0#

174 0.0 83.4 125.0#





#48

Methvl methacrylate

Concen: 8.306 ug/l

RT: 9.44 min Scan# 1278

Delta R.T. -0.02 min

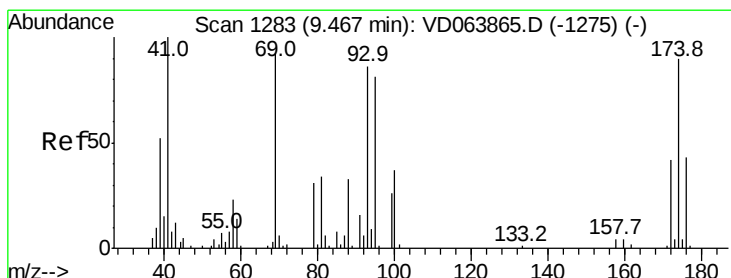
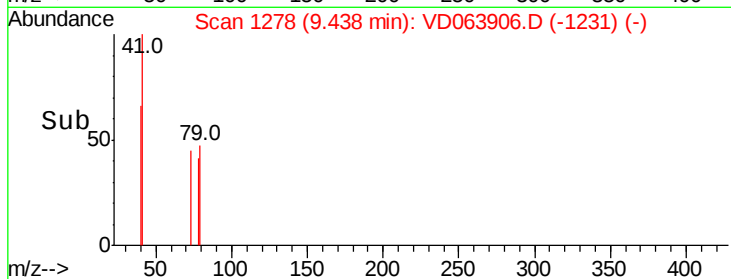
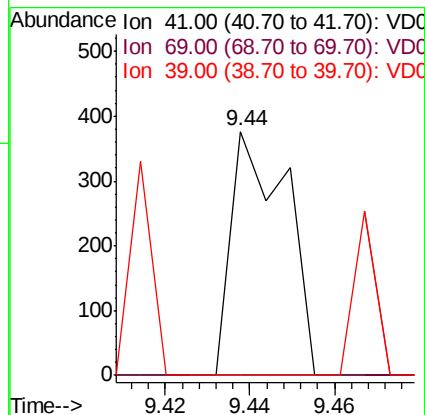
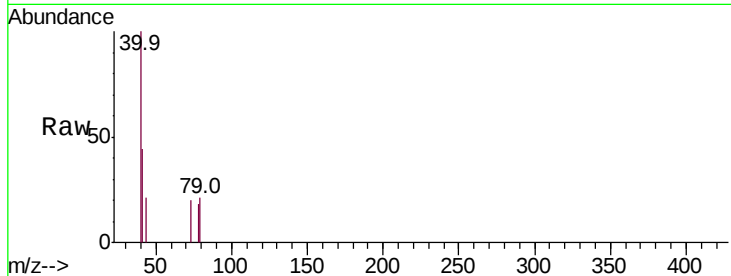
Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
TP-2-D1

Tot Ion: 41 Resp: 340

Ion	Ratio	Lower	Upper
41	100		
69	0.0	75.1	112.7#
39	0.0	50.2	75.2#



#49

1,4-Dioxane

Concen: 97.211 ug/l

RT: 9.56 min Scan# 1298

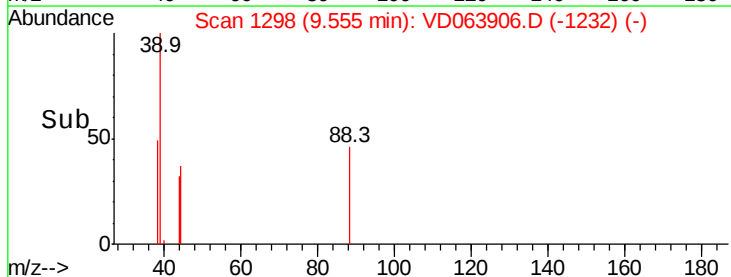
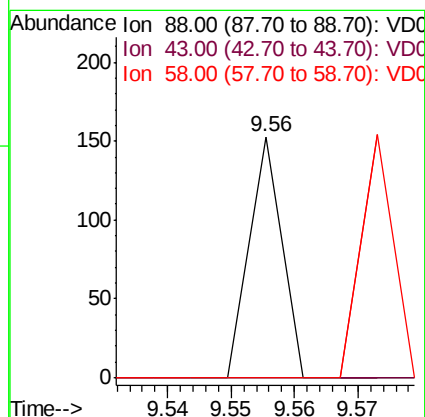
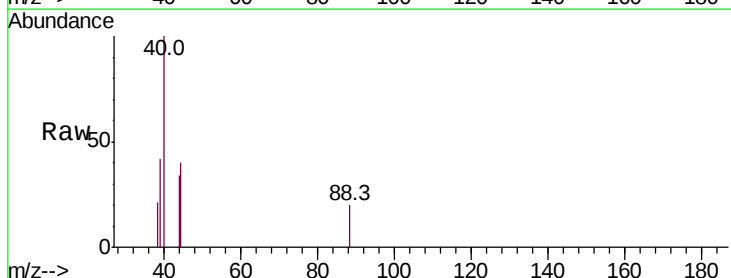
Delta R.T. 0.09 min

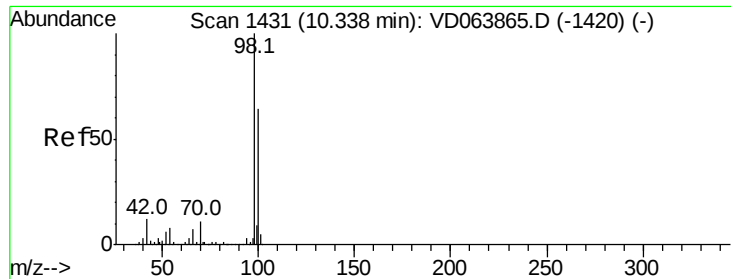
Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Tgt Ion: 88 Resp: 54

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.6	41.4#
58	100.0	54.1	81.1#





#50

Toluene-d8

Concen: 44.856 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

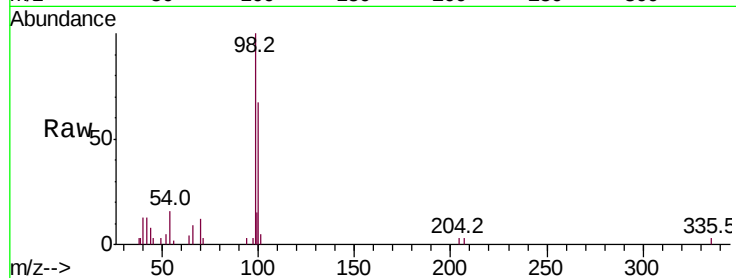
TP-2-D1

Tot Ion: 98 Resp: 12397

Ion Ratio Lower Upper

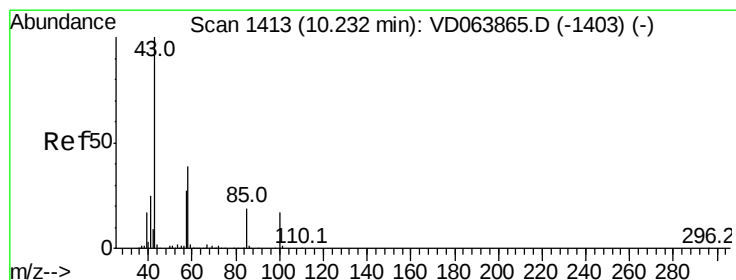
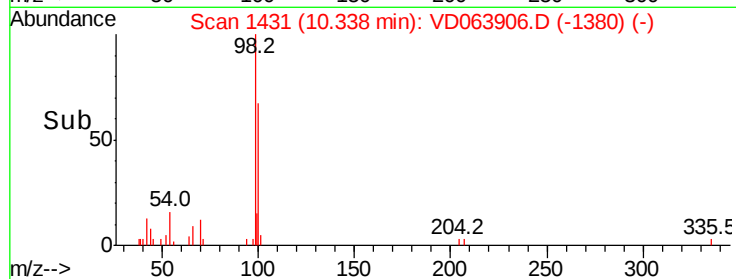
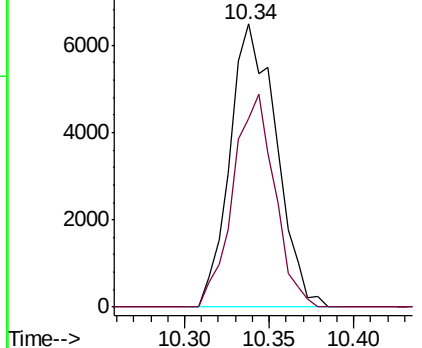
98 100

100 67.4 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: 1.332 ug/l

RT: 10.21 min Scan# 1409

Delta R.T. -0.02 min

Lab File: VD063906.D

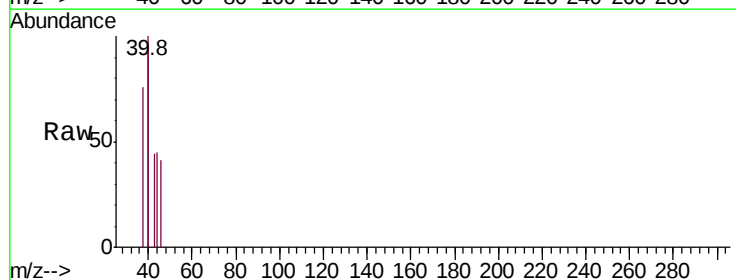
Acq: 10 Oct 2019 13:20

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

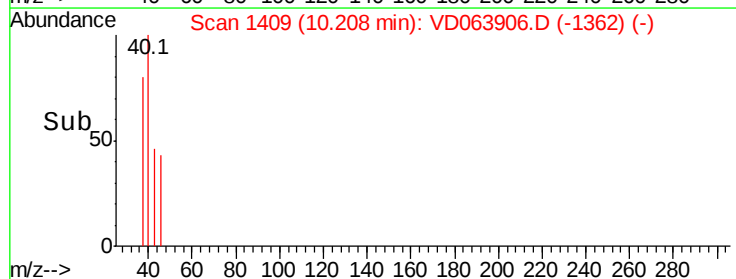
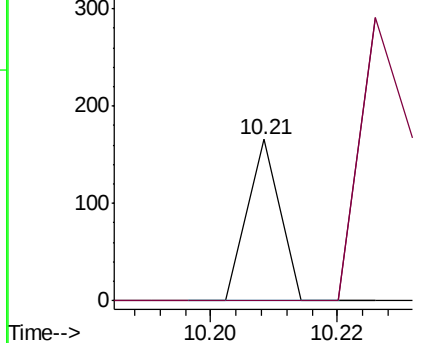
43 100

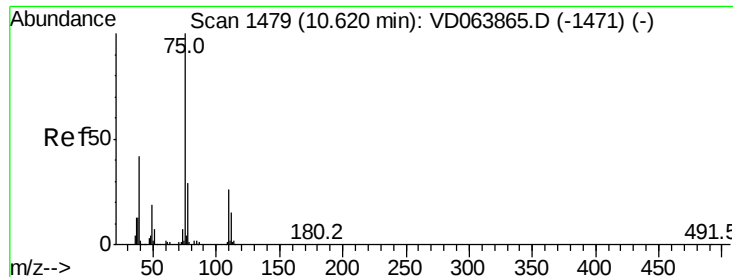
58 274.6 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#53

t-1,3-Dichloropropene

Concen: 1.281 ug/l

RT: 10.73 min Scan# 1497

Delta R.T. 0.11 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

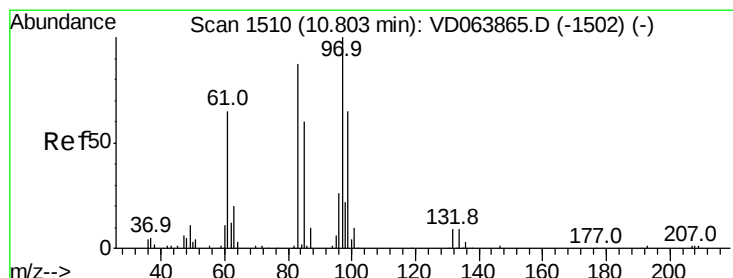
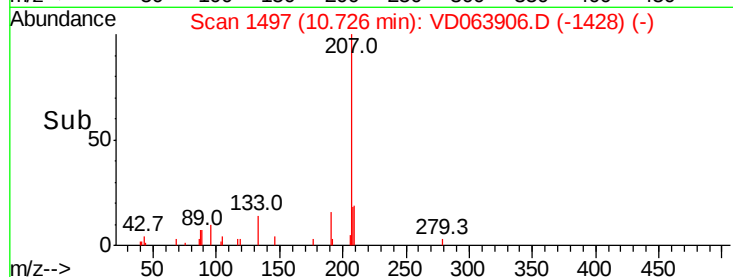
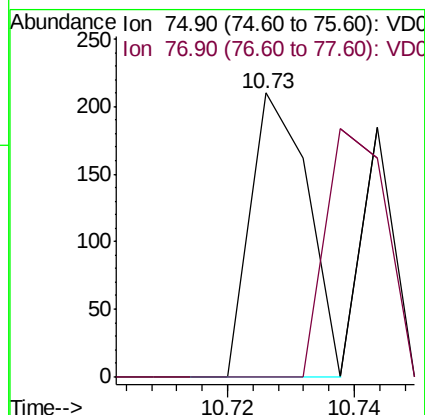
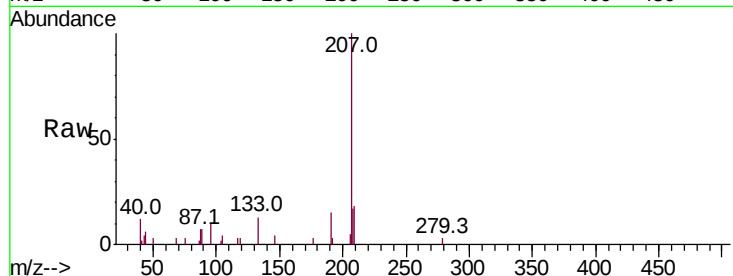
TP-2-D1

Tot Ion: 75 Resp: 131

Ion Ratio Lower Upper

75 100

77 0.0 22.8 34.2#



#55

1,1,2-Trichloroethane

Concen: 3.933 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Tgt Ion: 97 Resp: 226

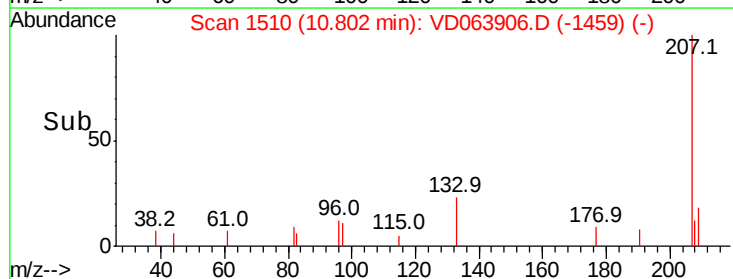
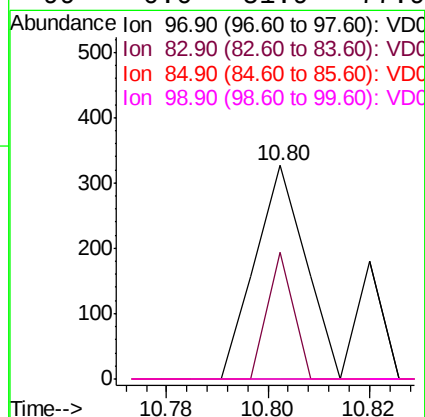
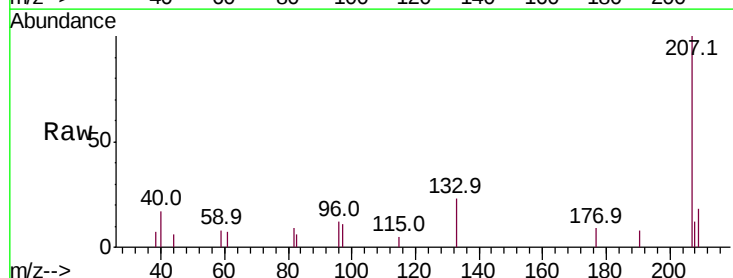
Ion Ratio Lower Upper

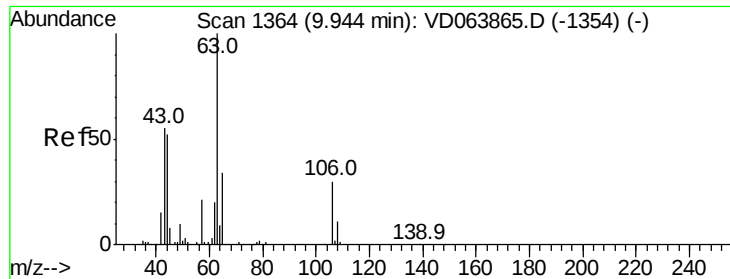
97 100

83 59.3 69.7 104.5#

85 0.0 48.1 72.1#

99 0.0 51.9 77.9#

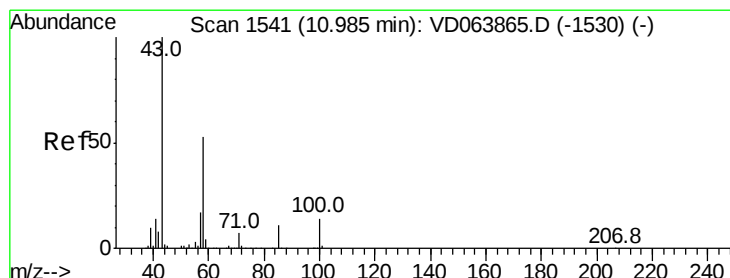
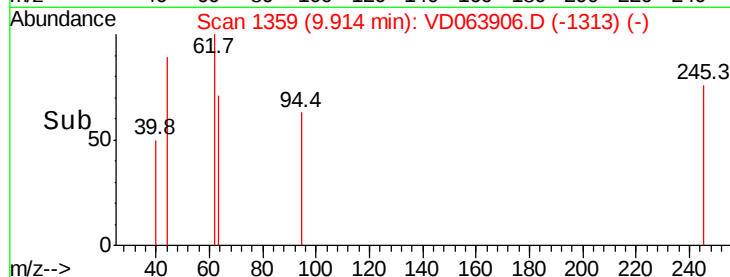
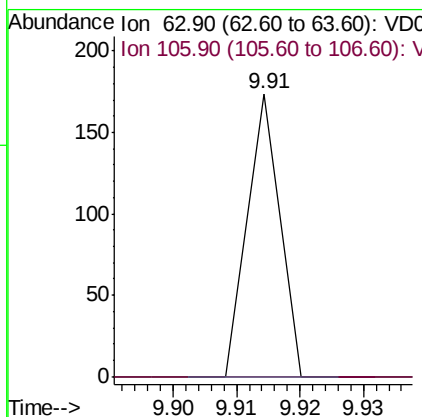
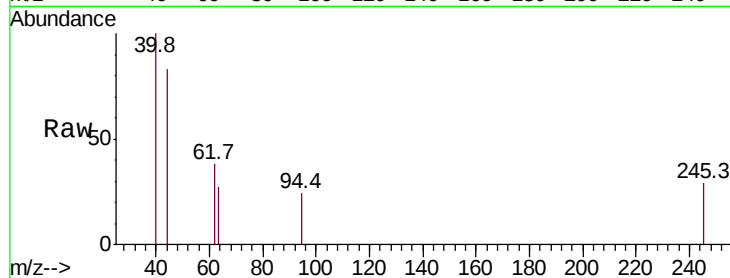




#58
2-Chloroethyl Vinyl ether
Concen: 1.950 ug/l
RT: 9.91 min Scan# 1359
Delta R.T. -0.03 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

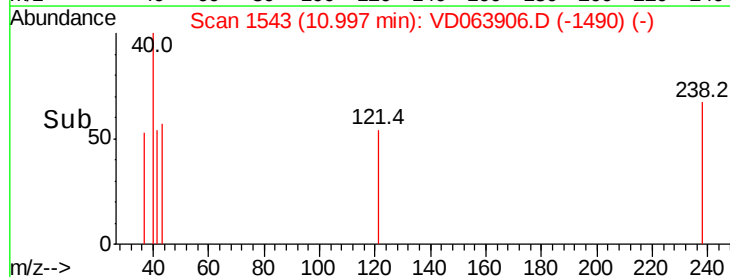
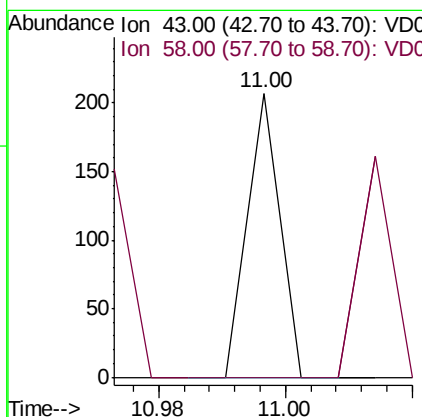
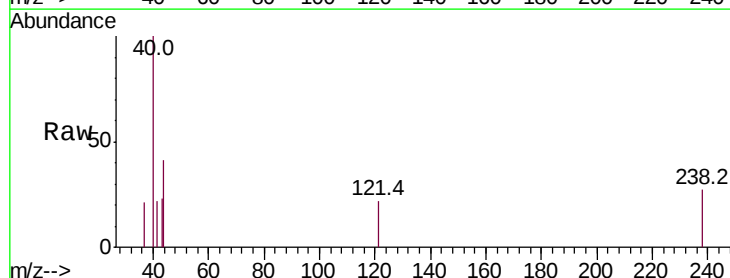
Instrument :
MSVOA_D
ClientSampleId :
TP-2-D1

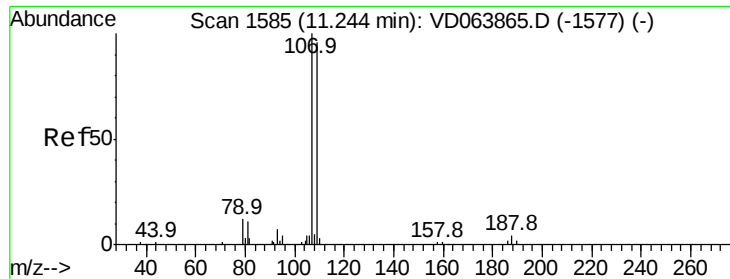
Tot Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 24.3 36.5#



#59
2-Hexanone
Concen: 2.278 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. 0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
58 78.1 27.7 83.0

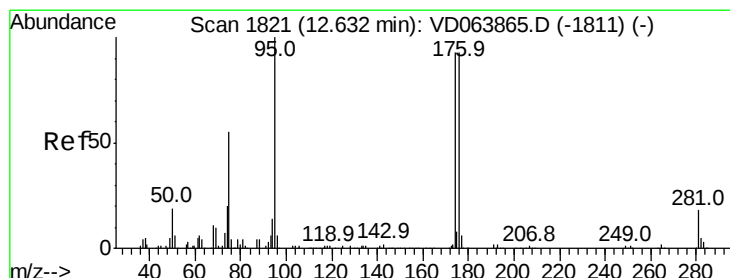
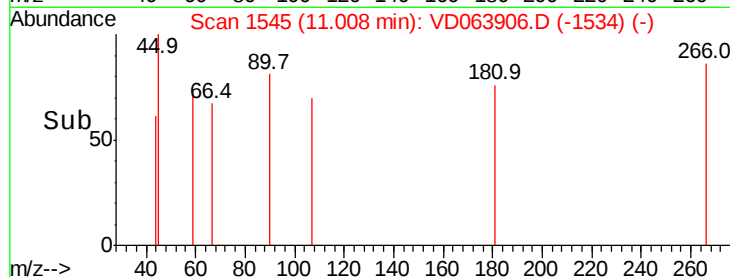
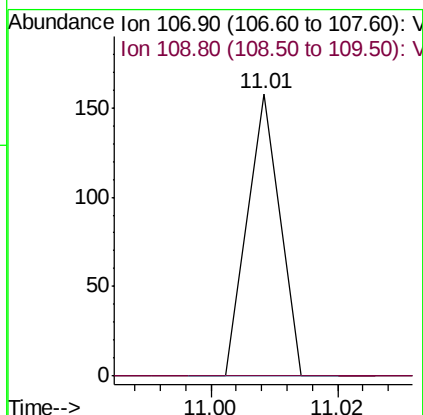
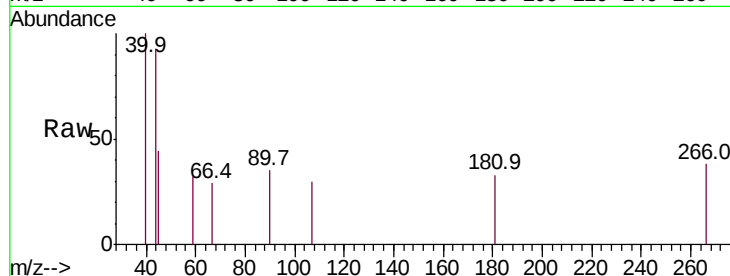




#61
 1,2-Dibromoethane
 Concen: 1.005 ug/l
 RT: 11.01 min Scan# 1545
 Delta R.T. -0.24 min
 Lab File: VD063906.D
 Acq: 10 Oct 2019 13:20

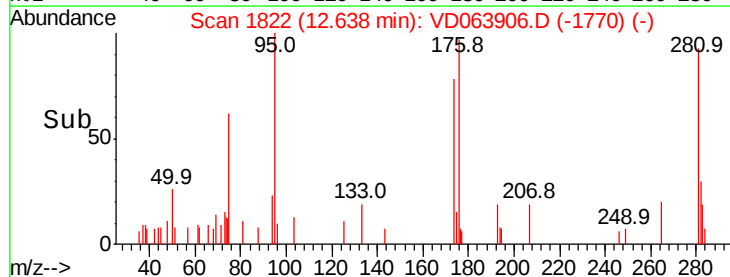
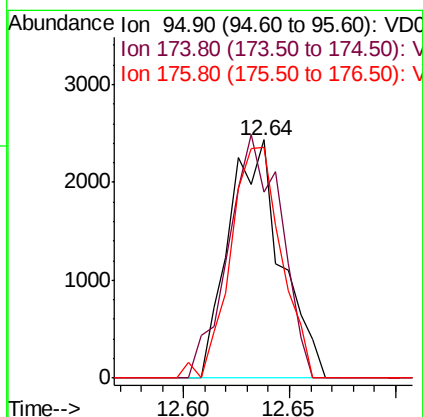
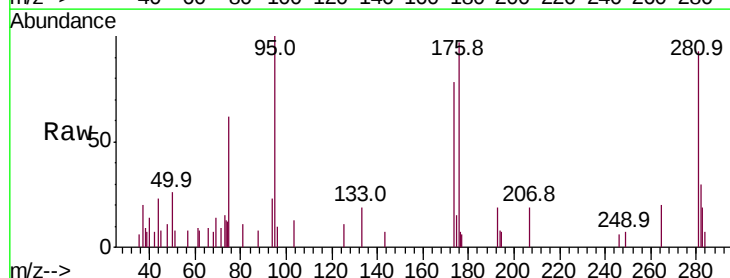
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-D1

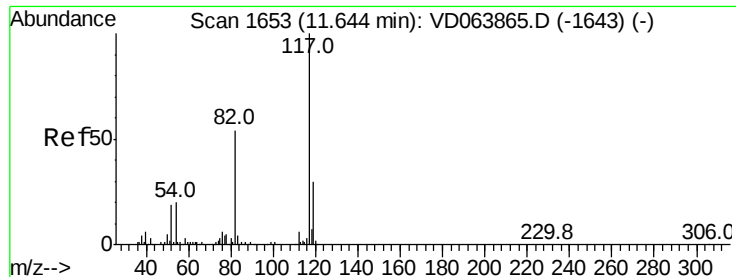
Tot Ion: 107 Resp: 56
 Ion Ratio Lower Upper
 107 100
 109 0.0 75.2 112.8#



#62
 4-Bromofluorobenzene
 Concen: 43.815 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD063906.D
 Acq: 10 Oct 2019 13:20

Tgt Ion: 95 Resp: 4208
 Ion Ratio Lower Upper
 95 100
 174 102.0 0.0 186.4
 176 93.4 0.0 184.2

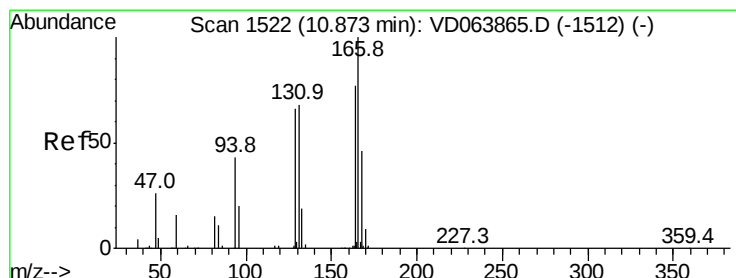
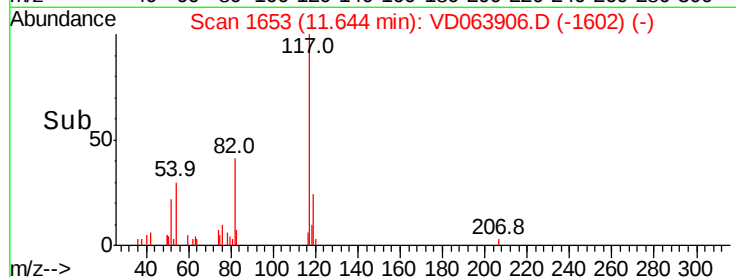
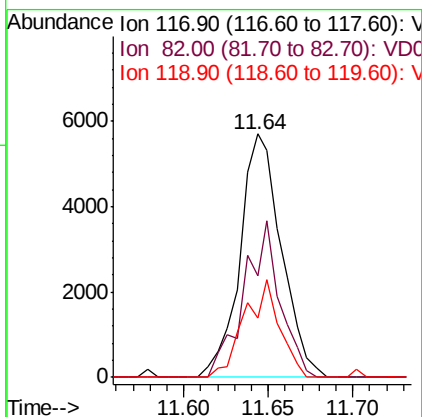
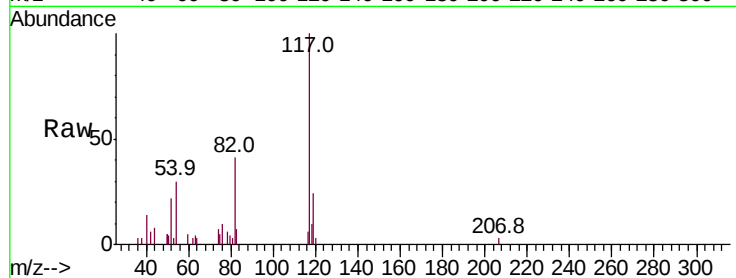




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

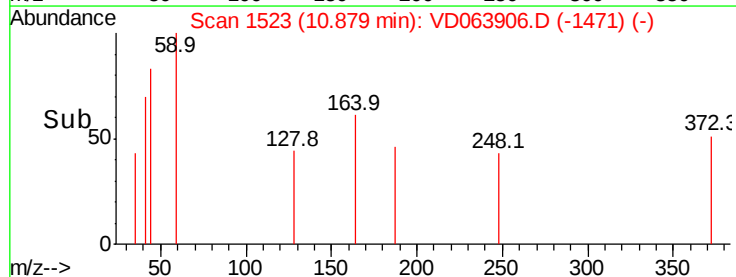
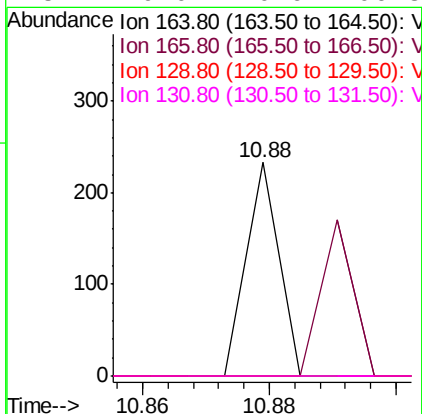
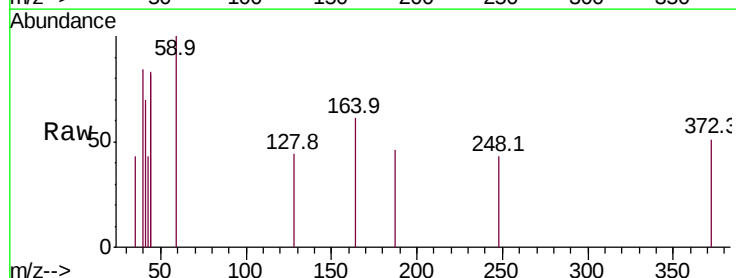
Instrument :
MSVOA_D
ClientSampleId :
TP-2-D1

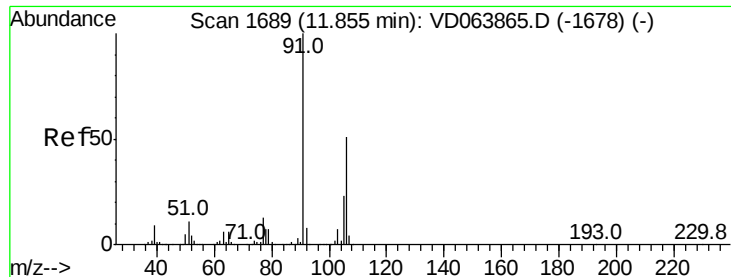
Tot Ion	Ratio	Lower	Upper
117	100		
82	41.5	42.8	64.2#
119	24.2	24.4	36.6#



#64
Tetrachloroethene
Concen: 1.231 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	103.8	155.6#
129	0.0	68.9	103.3#
131	0.0	70.9	106.3#

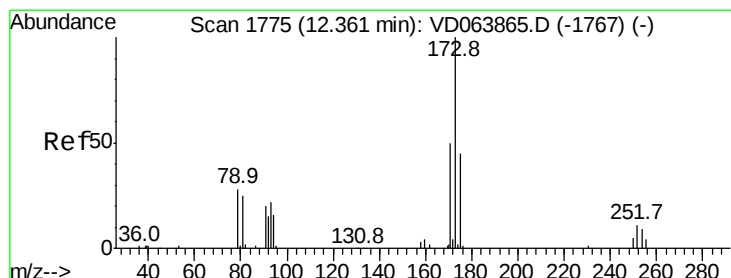
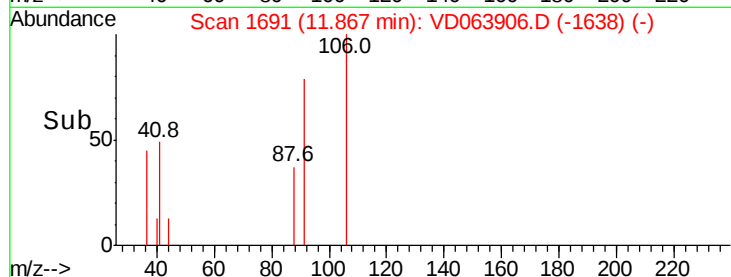
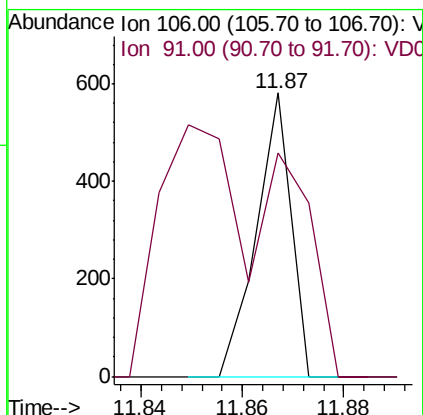
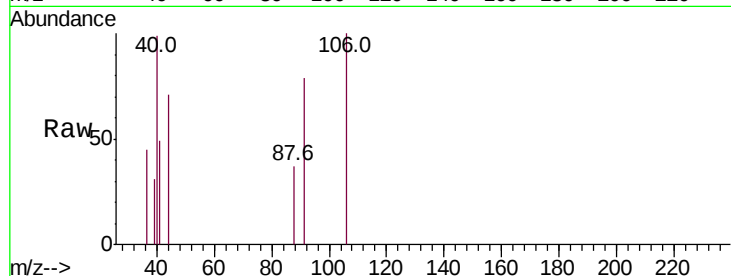




#68
m/p-Xvlenes
Concen: 2.010 ug/l
RT: 11.87 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

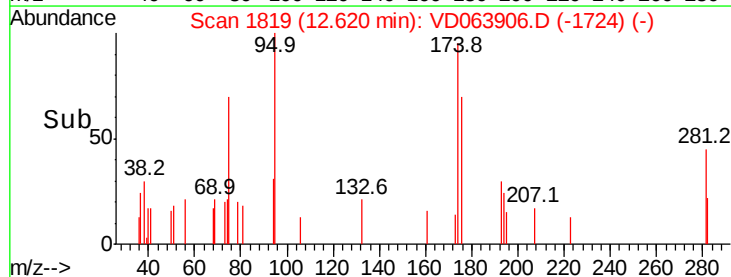
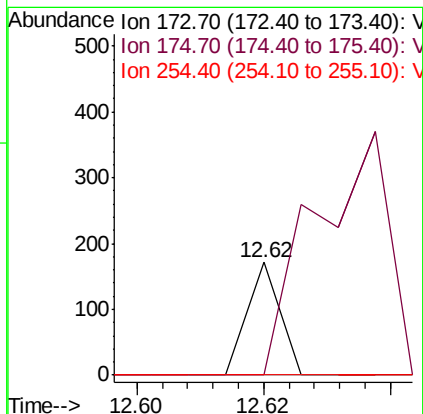
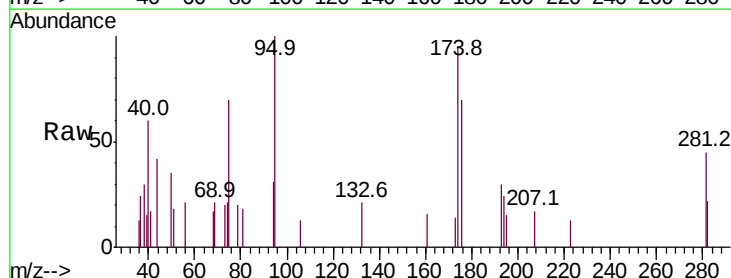
Instrument :
MSVOA_D
ClientSampleId :
TP-2-D1

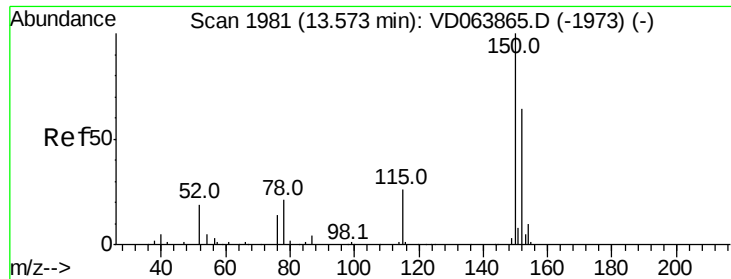
Tot Ion:106 Resp: 274
Ion Ratio Lower Upper
106 100
91 307.3 154.8 232.2#



#71
Bromoform
Concen: 1.549 ug/l
RT: 12.62 min Scan# 1819
Delta R.T. 0.26 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion:173 Resp: 60
Ion Ratio Lower Upper
173 100
175 285.0 24.6 74.0#
254 0.0 0.0 0.0



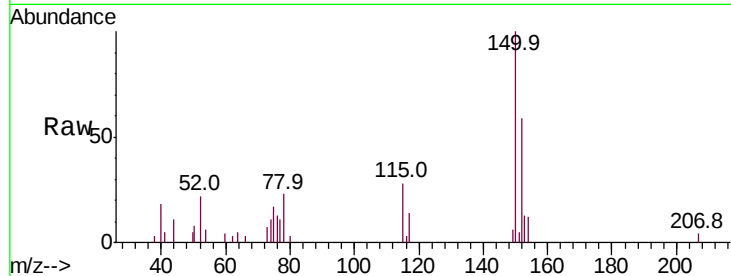


#72

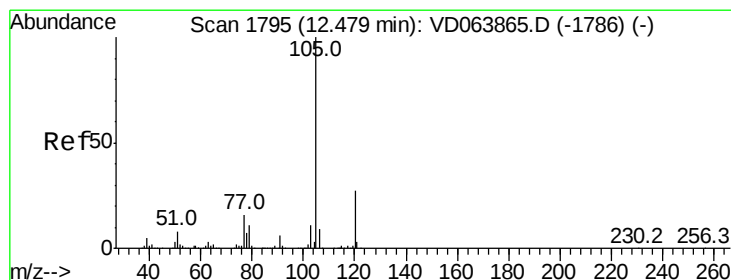
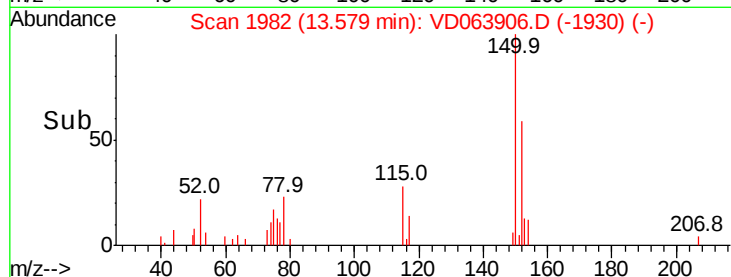
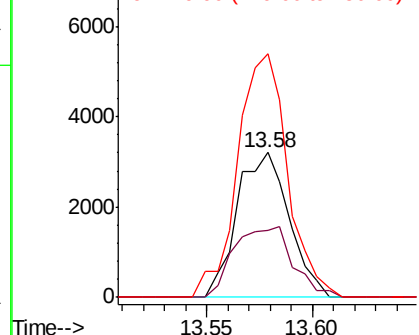
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
TP-2-D1

Tot Ion:152 Resp: 5448
Ion Ratio Lower Upper
152 100
115 55.3 25.9 77.7
150 162.0 0.0 344.2



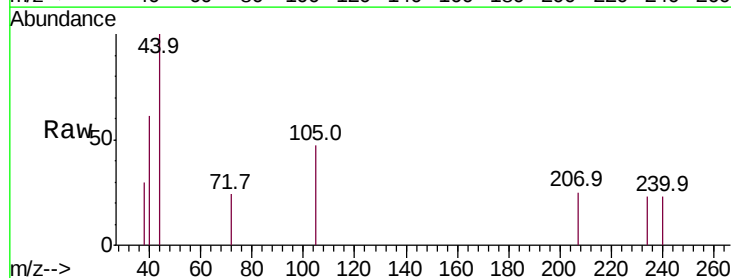
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



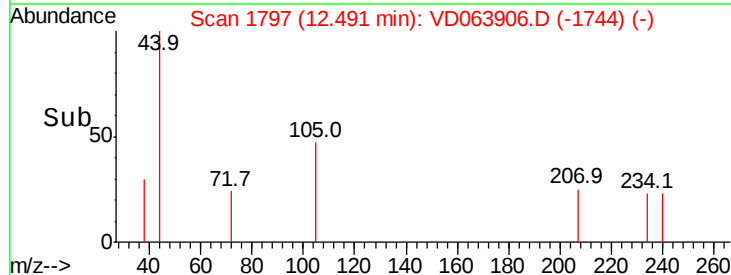
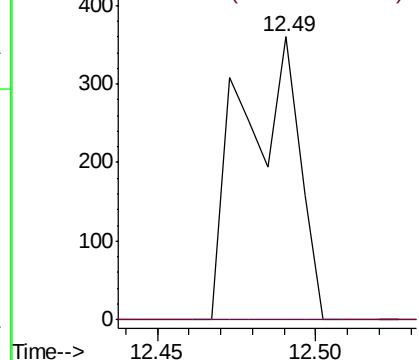
#73

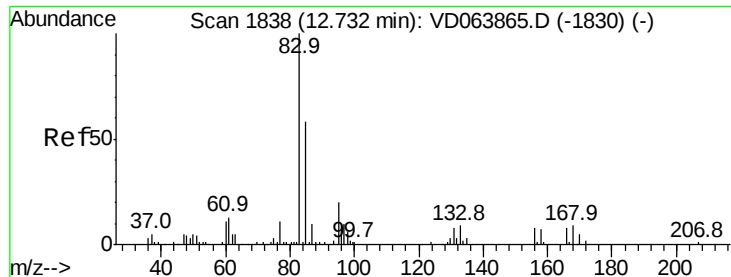
Isopropylbenzene
Concen: 1.229 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion:105 Resp: 450
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.302 ug/l

RT: 12.50 min Scan# 1798

Delta R.T. -0.24 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

TP-2-D1

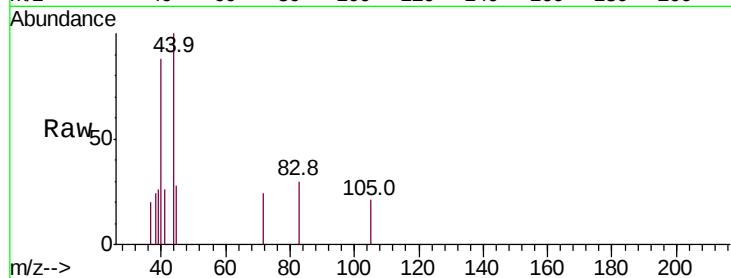
Tot Ion: 83 Resp: 83

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

85 0.0 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

12.50

250

200

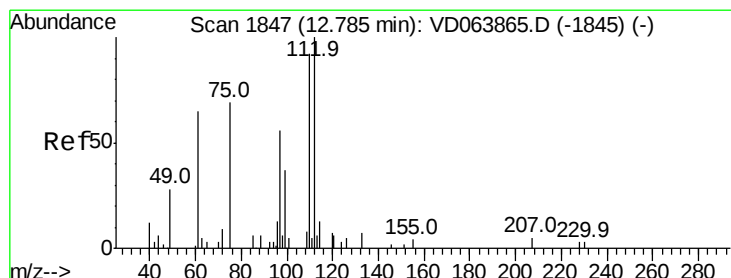
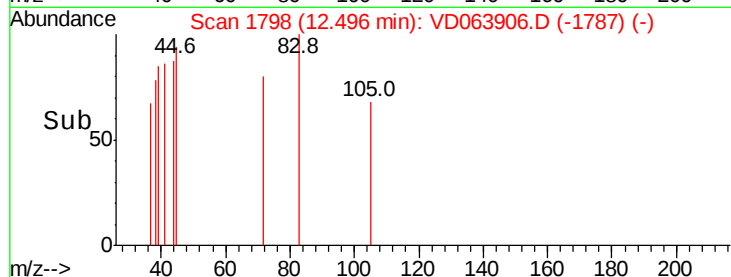
150

100

50

0

Time--> 12.48 12.50



#76

1,2,3-Trichloropropane

Concen: 86.820 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063906.D

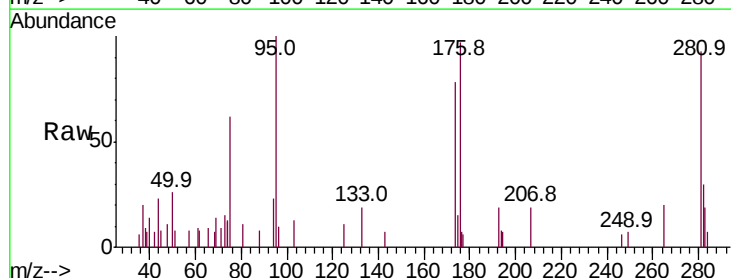
Acq: 10 Oct 2019 13:20

Tgt Ion: 75 Resp: 3168

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

12.64

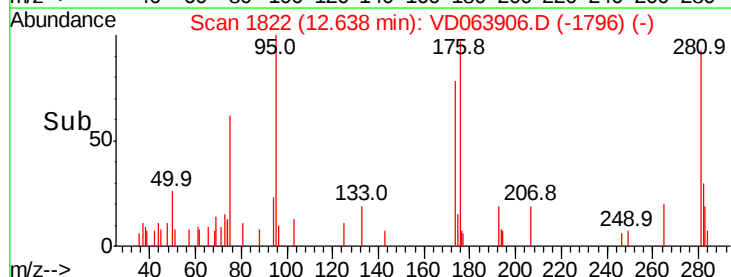
1500

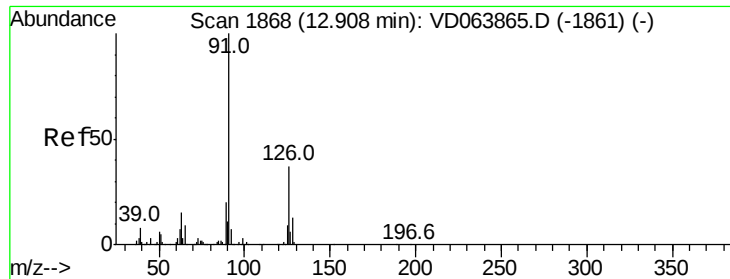
1000

500

0

Time--> 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 1.088 ug/l

RT: 12.94 min Scan# 1874

Delta R.T. 0.04 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

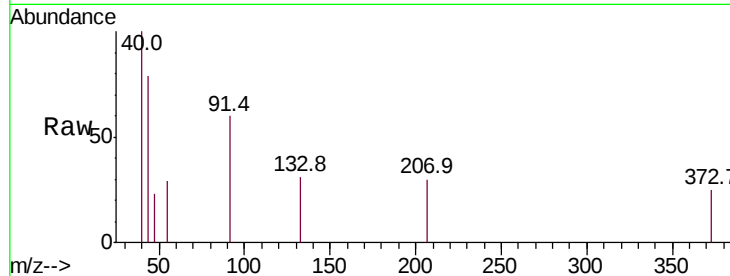
TP-2-D1

Tot Ion: 91 Resp: 258

Ion Ratio Lower Upper

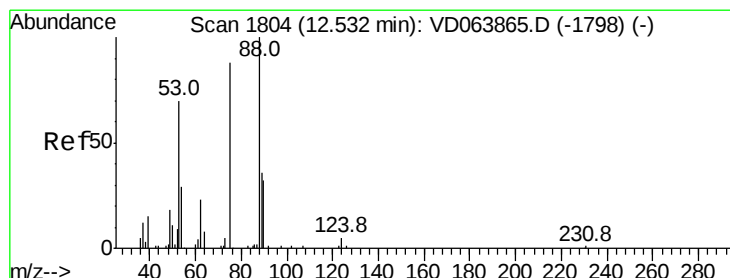
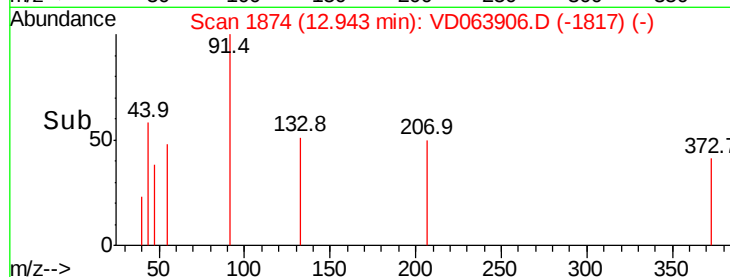
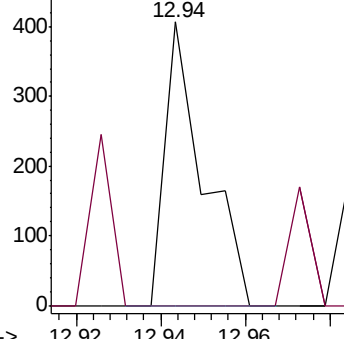
91 100

126 33.3 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 153.637 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

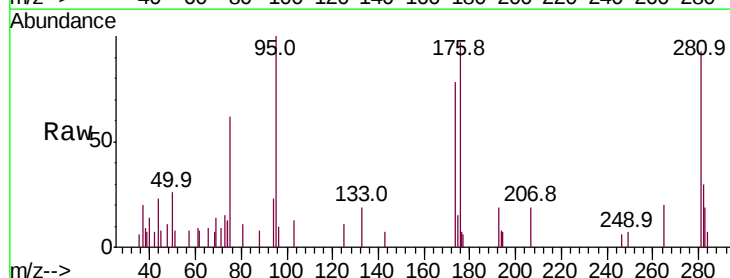
Tgt Ion: 75 Resp: 3168

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

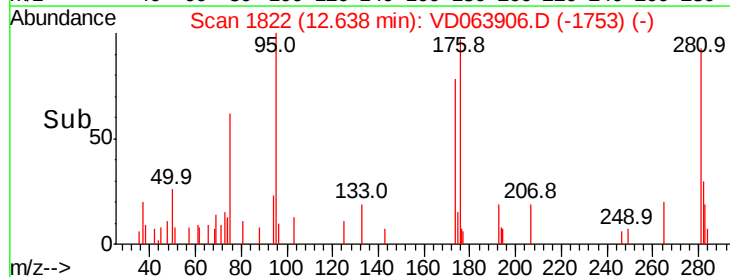
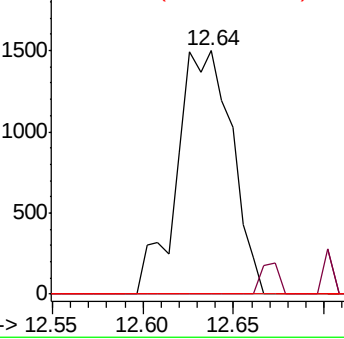
89 0.0 38.2 57.4#

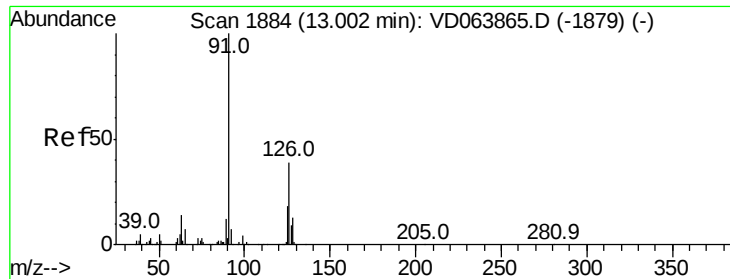


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

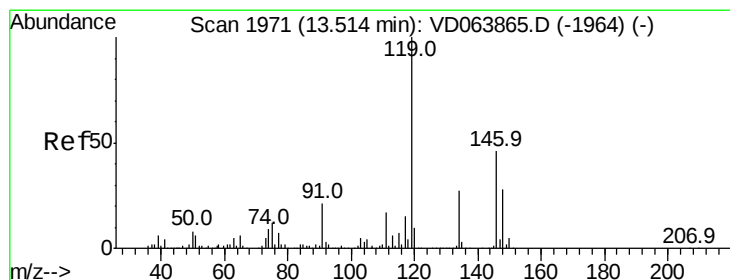
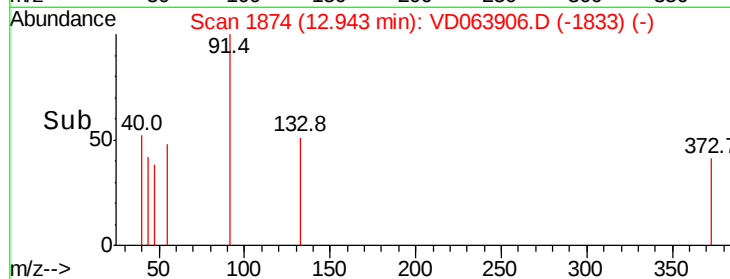
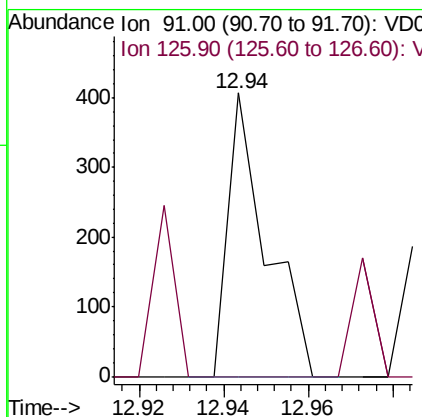
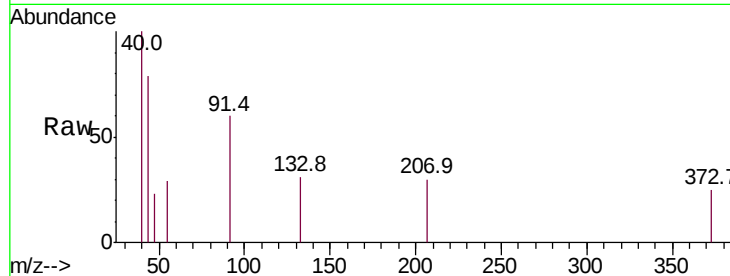




#82
4-Chlorotoluene
Concen: 1.026 ug/l
RT: 12.94 min Scan# 1874
Delta R.T. -0.06 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

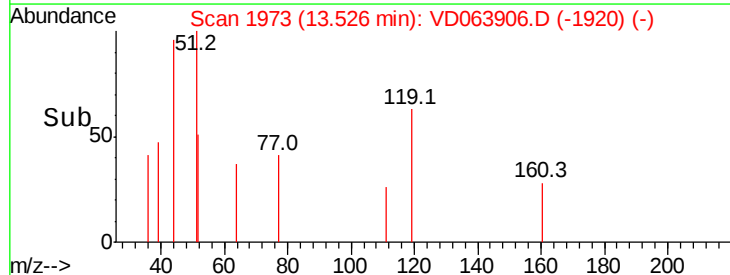
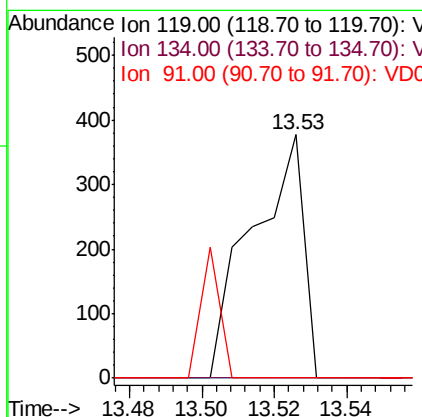
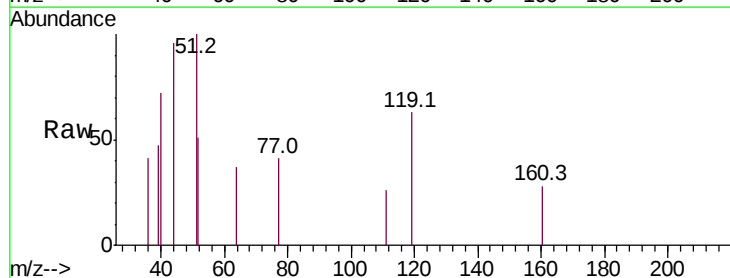
Instrument :
MSVOA_D
ClientSampled :
TP-2-D1

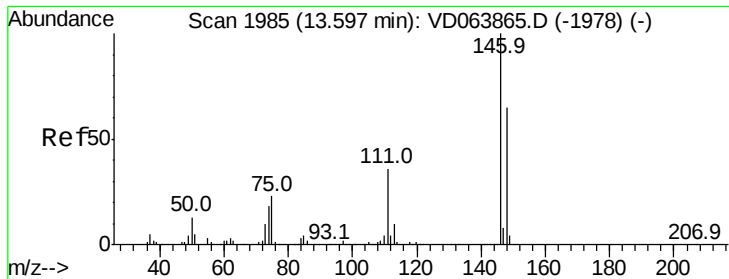
Tot Ion: 91 Resp: 258
Ion Ratio Lower Upper
91 100
126 33.3 18.6 55.8



#86
p-Isopropyltoluene
Concen: 1.079 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VD063906.D
Acq: 10 Oct 2019 13:20

Tgt Ion: 119 Resp: 375
Ion Ratio Lower Upper
119 100
134 0.0 13.9 41.6#
91 0.0 11.2 33.5#





#88

1,4-Dichlorobenzene

Concen: 1.012 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD063906.D

Acq: 10 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

TP-2-D1

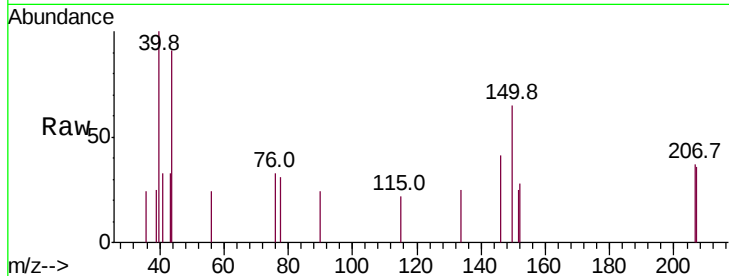
Tot Ion:146 Resp: 180

Ion Ratio Lower Upper

146 100

111 42.2 18.6 56.0

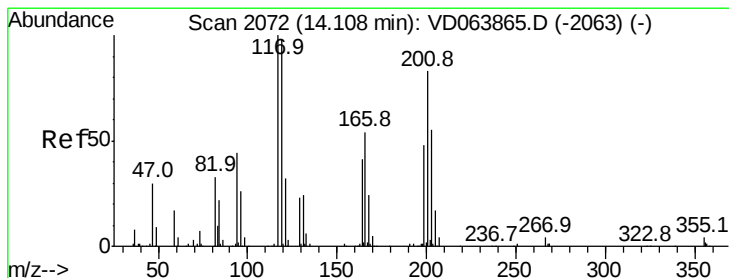
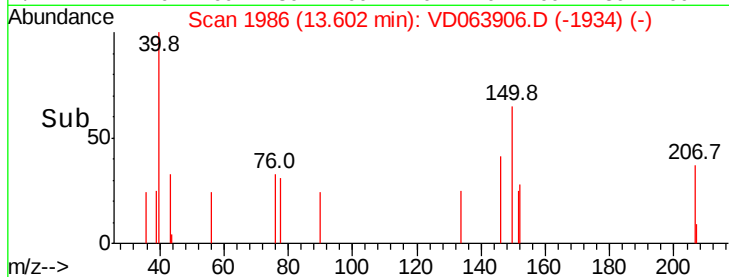
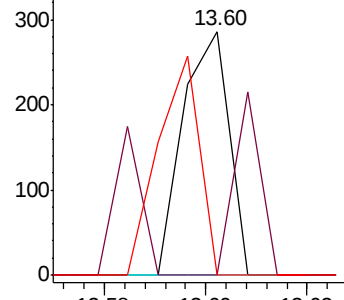
148 81.1 32.6 98.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 1.056 ug/l

RT: 14.10 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VD063906.D

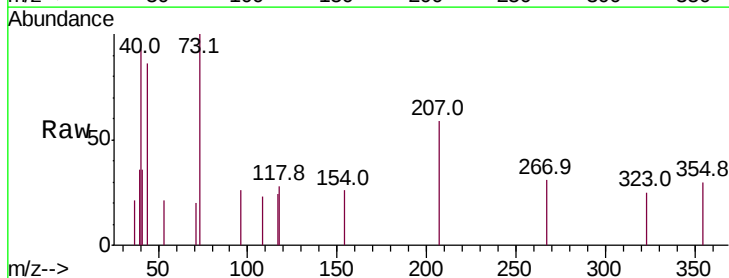
Acq: 10 Oct 2019 13:20

Tgt Ion:117 Resp: 66

Ion Ratio Lower Upper

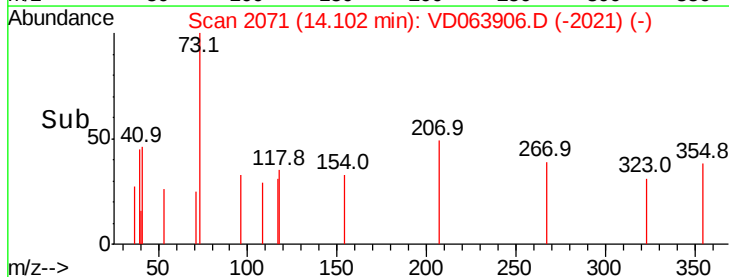
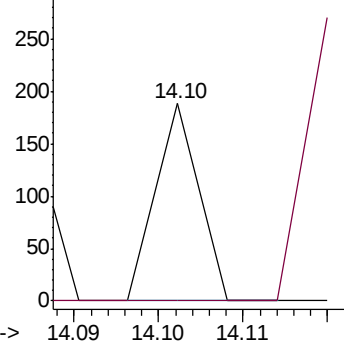
117 100

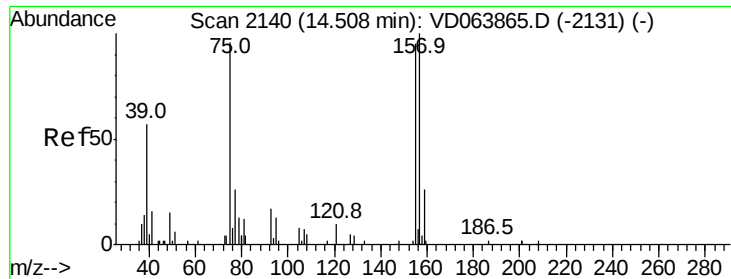
201 143.9 40.6 121.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

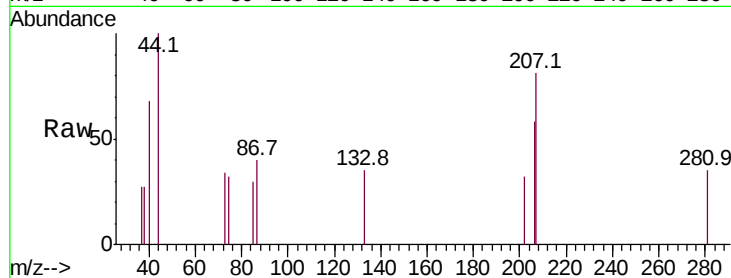




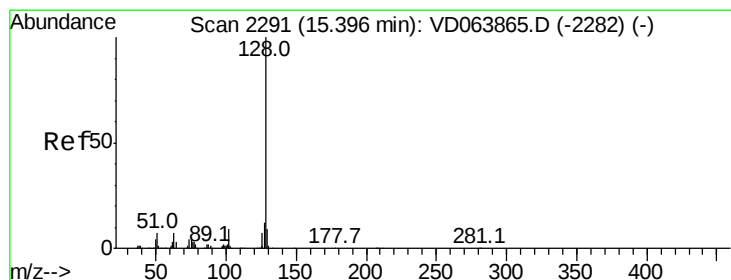
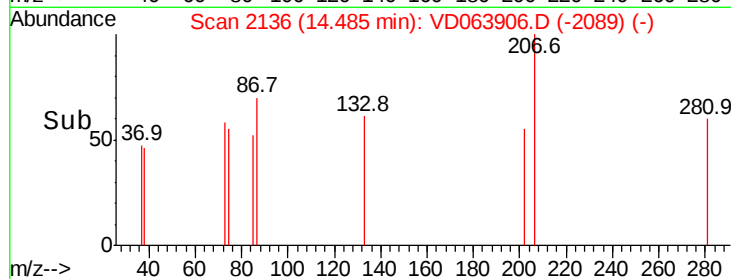
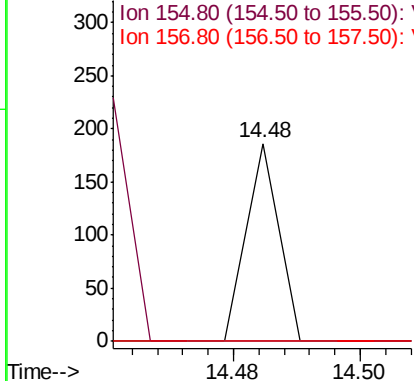
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.425 ug/l
 RT: 14.48 min Scan# 2136
 Delta R.T. -0.02 min
 Lab File: VD063906.D
 Acq: 10 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-D1

Tot Ion: 75 Resp: 66
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.9 131.6#
 157 0.0 56.0 167.9#

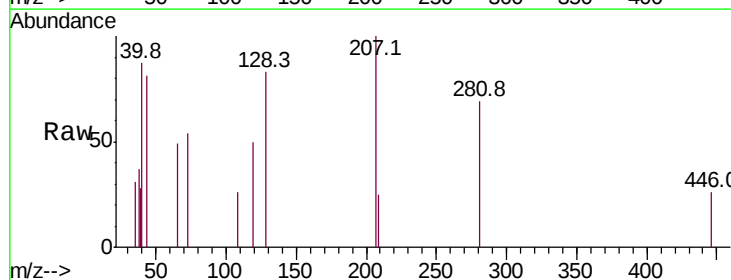


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 2.457 ug/l
 RT: 15.40 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VD063906.D
 Acq: 10 Oct 2019 13:20

Tgt Ion: 128 Resp: 495
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 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

