

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063974.D
 Acq On : 15 Oct 2019 16:16
 Operator : VA/SY
 Sample : K5392-06
 Misc : 5.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-22A-D2

Quant Time: Oct 16 02:16:18 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	153691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	282640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	291576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	135769	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	90162	60.26	ug/l	0.00
Spiked Amount			Recovery	=	120.52%	
35) Dibromofluoromethane	7.92	113	91334	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
50) Toluene-d8	10.34	98	380510	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.63	95	116937	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

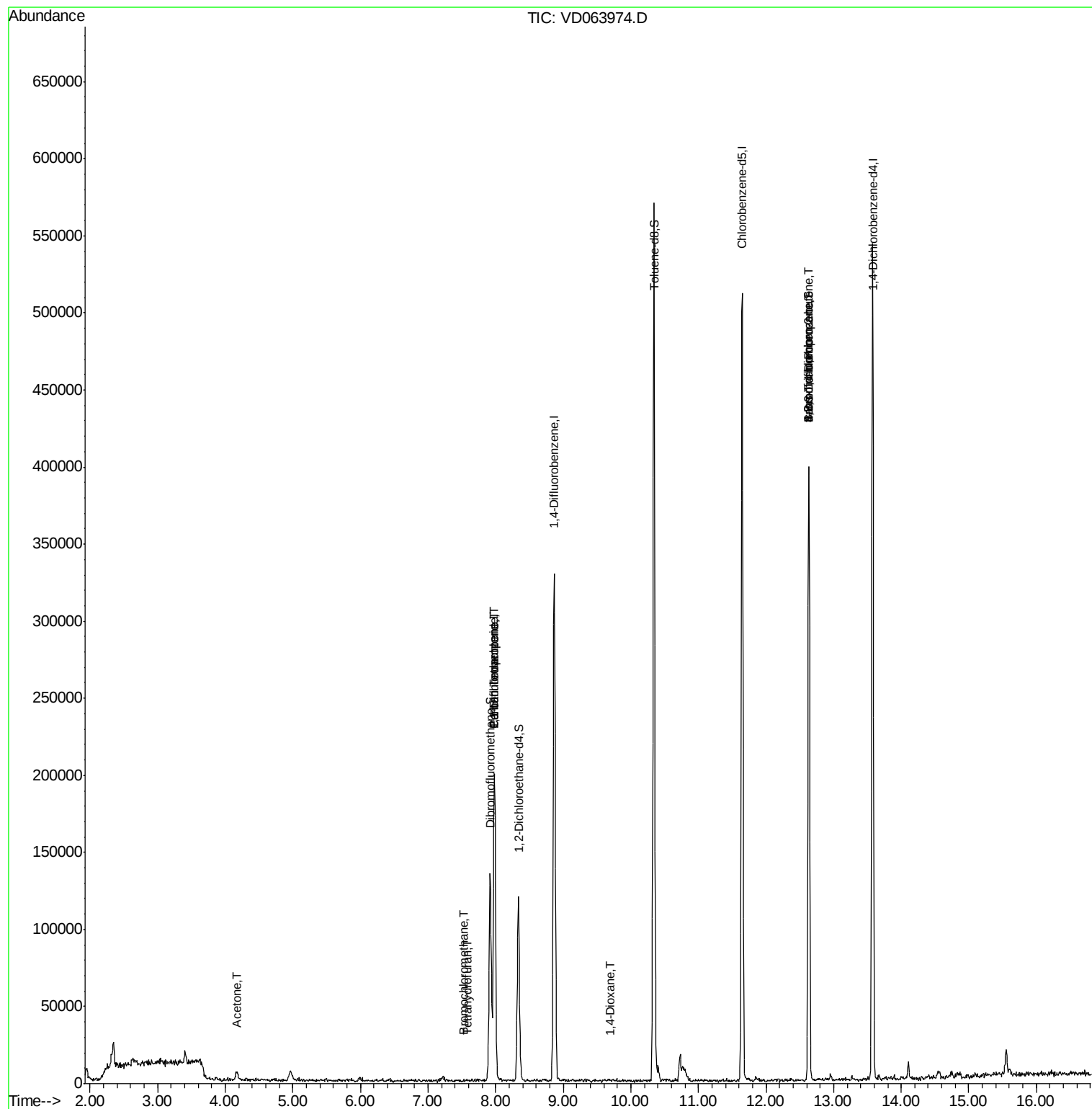
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	350	Below Cal	#	76
11) Tert butyl alcohol	5.27	59	138	Below Cal	#	71
16) Acetone	4.16	43	9562	24.545	ug/l	100
20) Methylene Chloride	4.96	84	4706	Below Cal	#	65
28) Bromochloromethane	7.53	49	200	2.052	ug/l #	10
29) Tetrahydrofuran	7.58	42	426	1.581	ug/l #	31
31) Cyclohexane	7.98	56	4421	Below Cal	#	71
36) 1,1-Dichloropropene	7.98	75	11267	4.360	ug/l #	47
37) Ethyl Acetate	7.30	43	64	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	15499	5.935	ug/l #	17
49) 1,4-Dioxane	9.70	88	93	6.600	ug/l #	24
71) Bromoform	12.63	173	1289	1.113	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	63415	69.737	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	63415	123.407	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.53	75	146	Below Cal	#	1

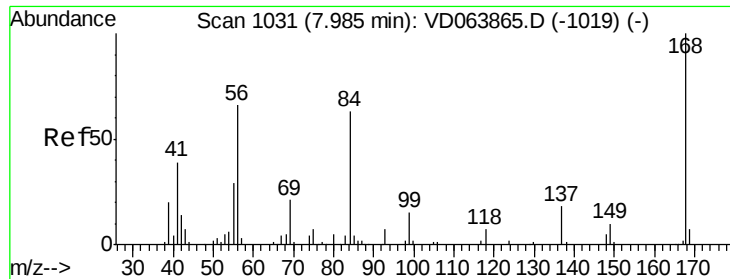
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
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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: VD063974.D

Acq: 15 Oct 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

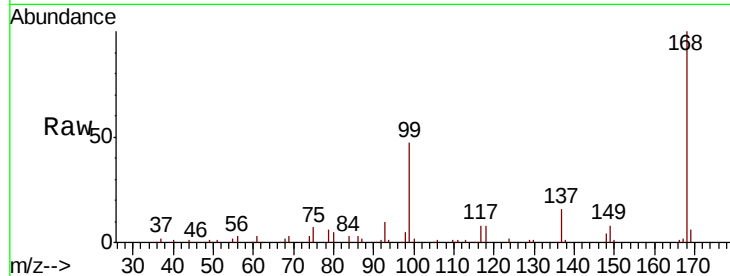
TP-22A-D2

Tot Ion:168 Resp: 153691

Ion Ratio Lower Upper

168 100

99 46.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

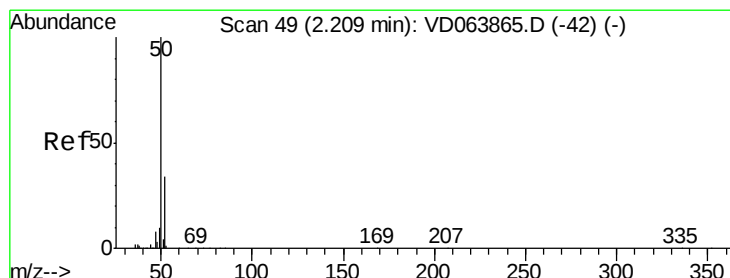
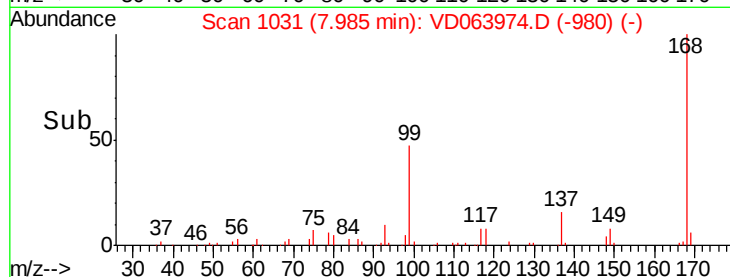
40000

20000

0

7.90 8.00 8.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063974.D

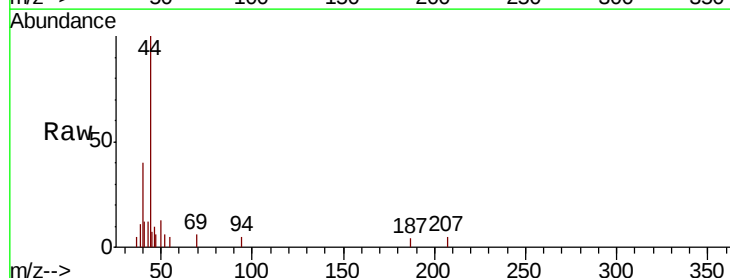
Acq: 15 Oct 2019 16:16

Tgt Ion: 50 Resp: 350

Ion Ratio Lower Upper

50 100

52 47.9 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

500

400

300

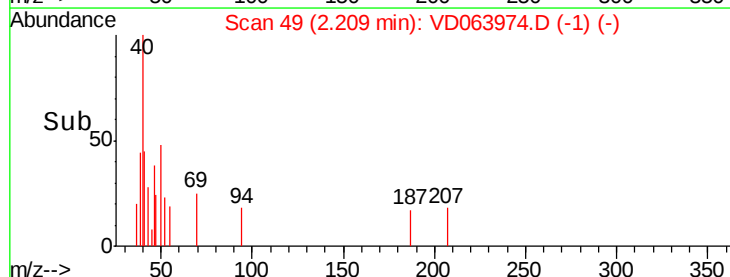
200

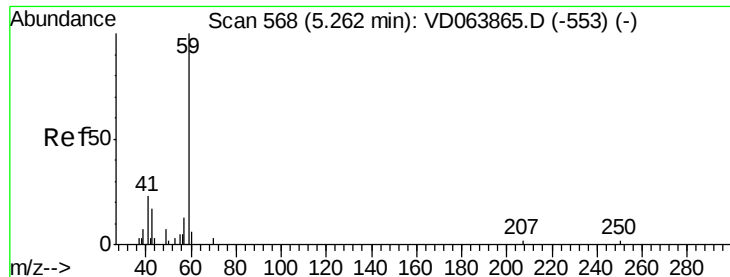
100

0

2.18 2.20 2.22

Time-->

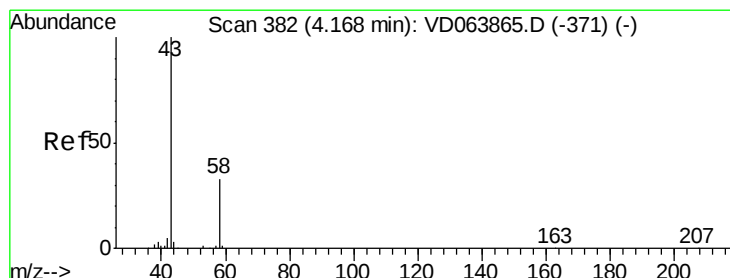
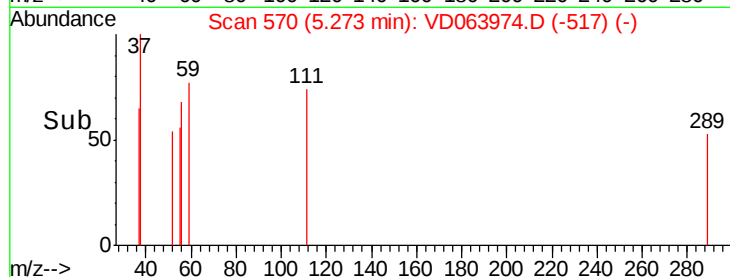
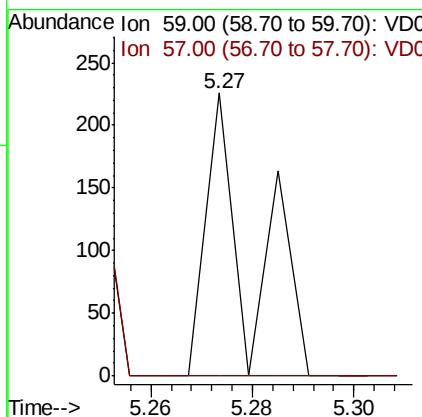
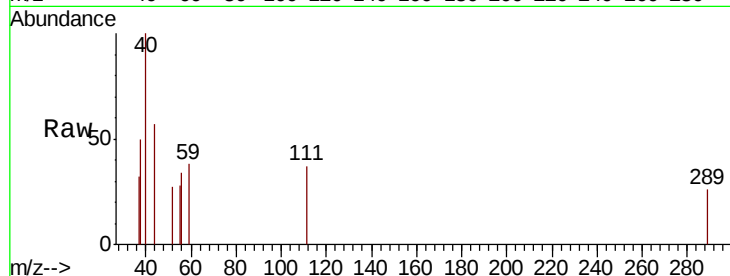




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.27 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

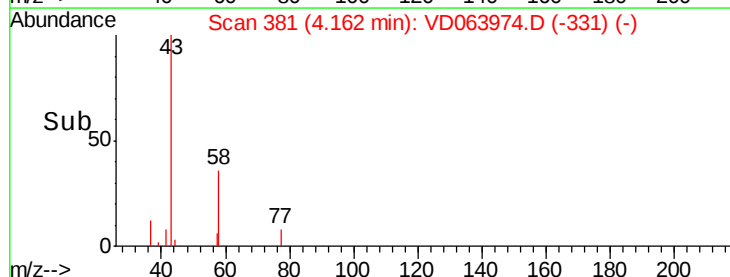
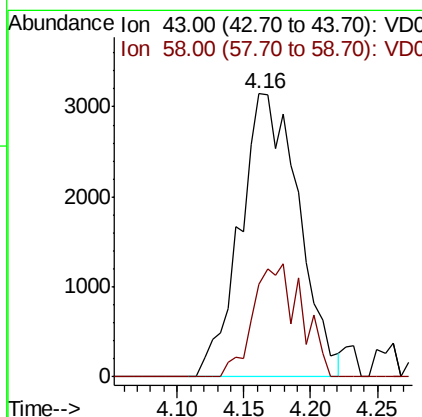
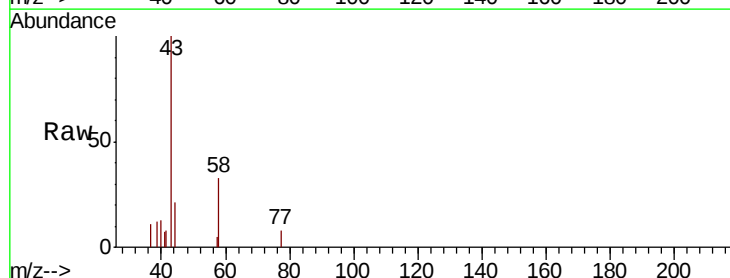
Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2

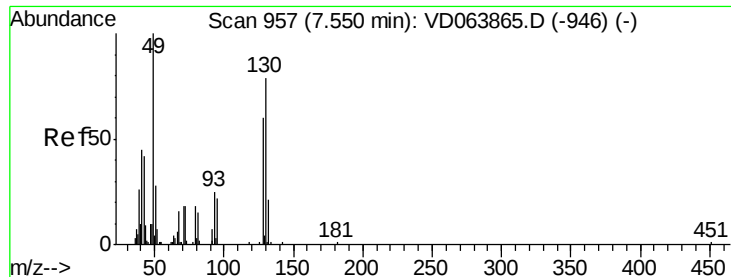
Tot Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 24.545 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

Tgt Ion: 43 Resp: 9562
Ion Ratio Lower Upper
43 100
58 32.8 26.2 39.4

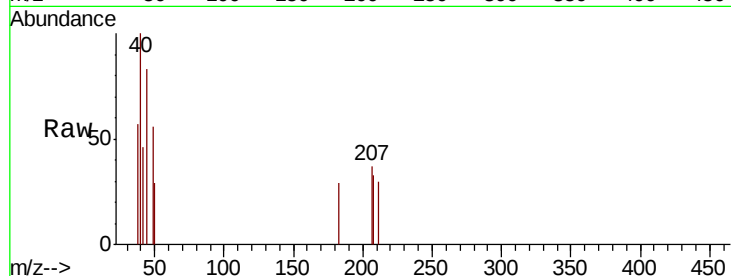




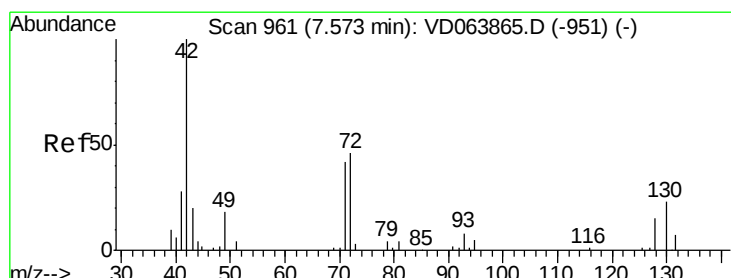
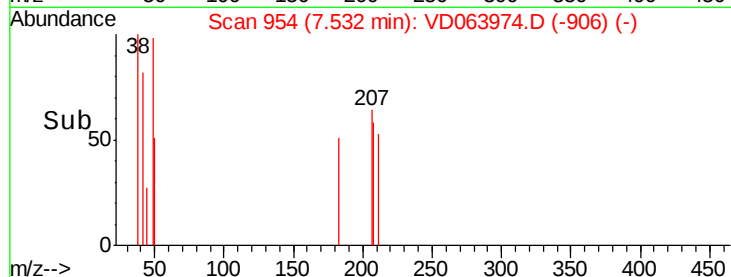
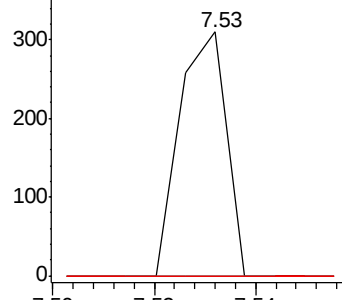
#28
Bromochloromethane
Concen: 2.052 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.02 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2

Tot Ion: 49 Resp: 200
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

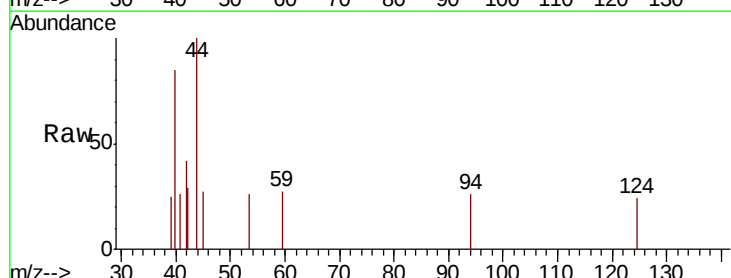


Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

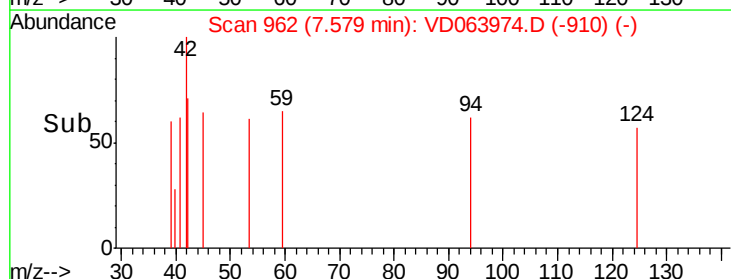
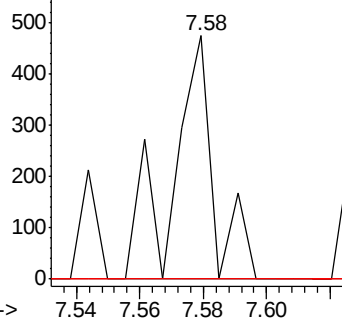


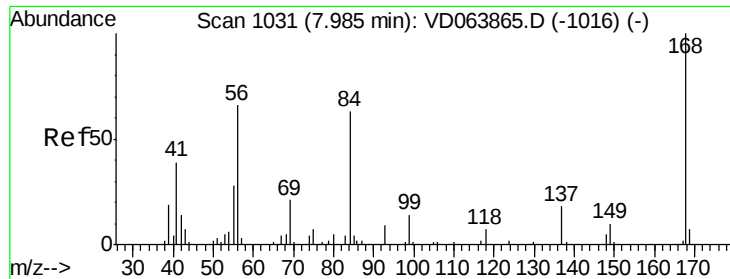
#29
Tetrahydrofuran
Concen: 1.581 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

Tgt Ion: 42 Resp: 426
Ion Ratio Lower Upper
42 100
72 0.0 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

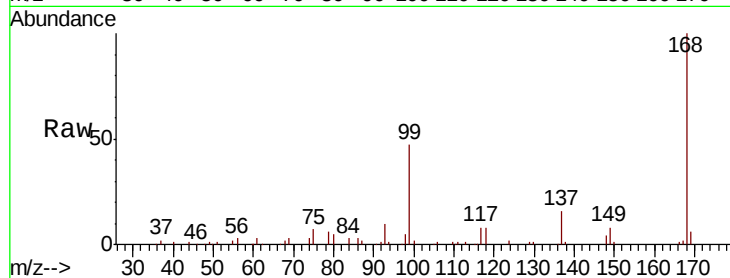




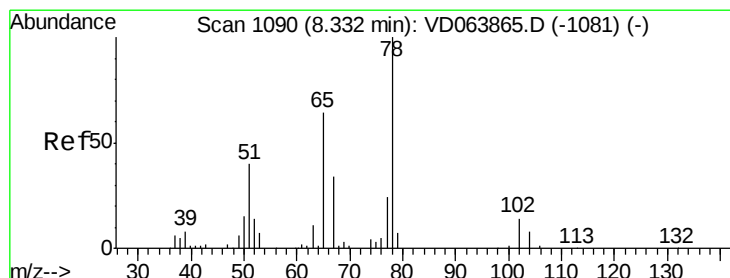
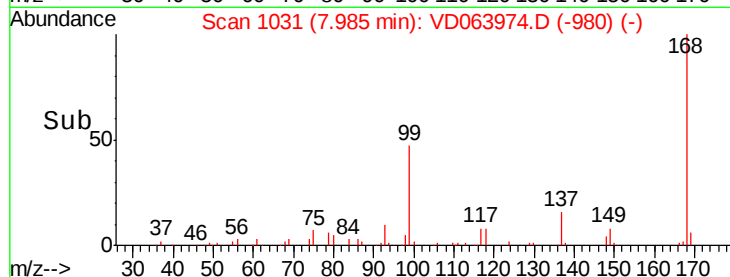
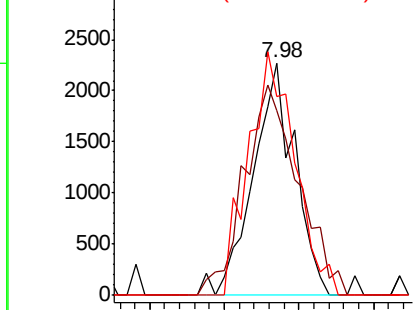
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2

Tot Ion: 56 Resp: 4421
Ion Ratio Lower Upper
56 100
69 79.4 25.0 37.4#
84 85.6 76.3 114.5

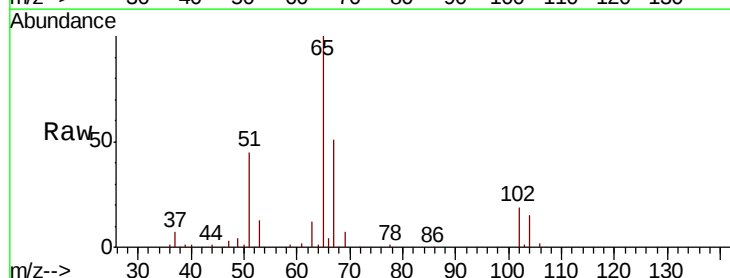


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

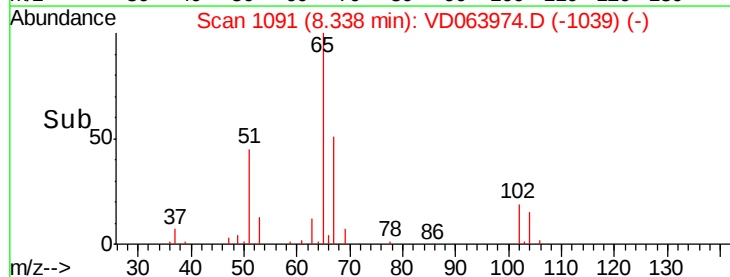
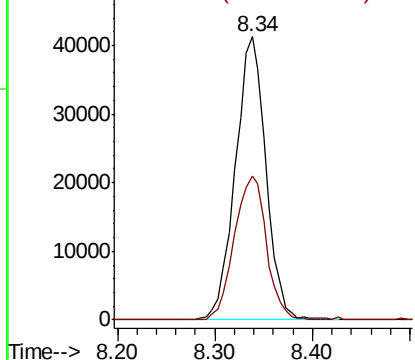


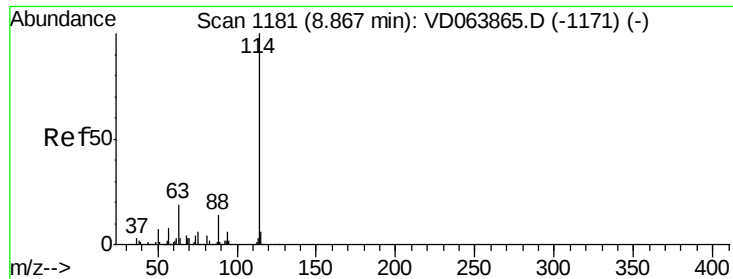
#33
1,2-Dichloroethane-d4
Concen: 60.257 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

Tgt Ion: 65 Resp: 90162
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

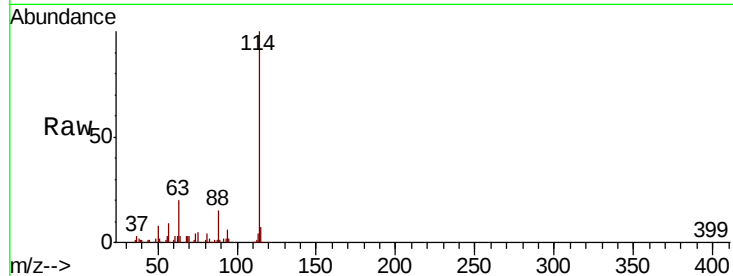




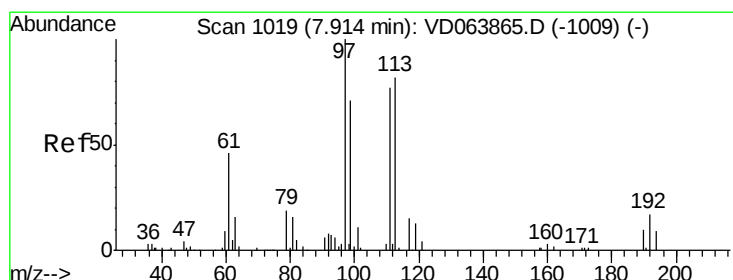
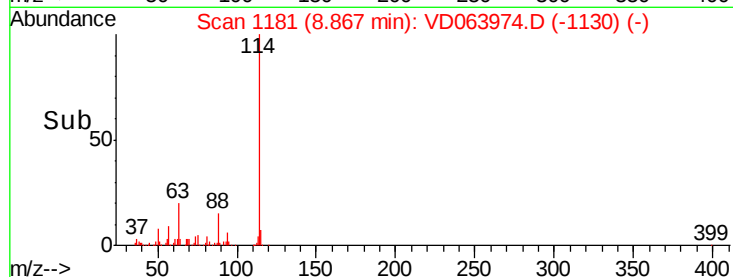
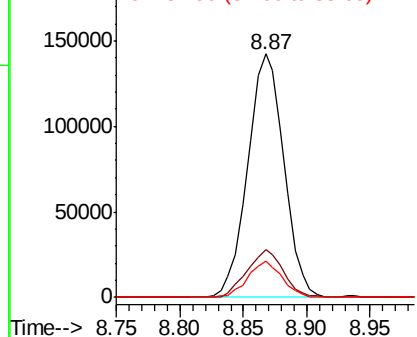
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063974.D
 Acq: 15 Oct 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-22A-D2

Tot Ion:114 Resp: 282640
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 14.8 0.0 27.4

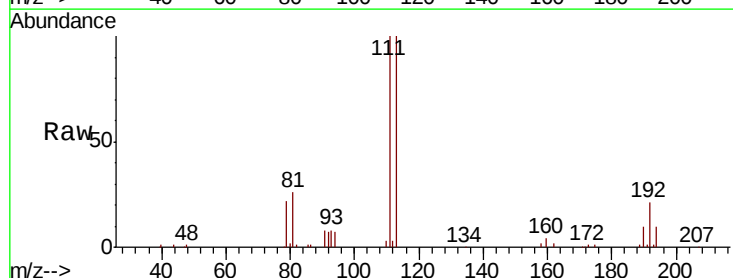


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

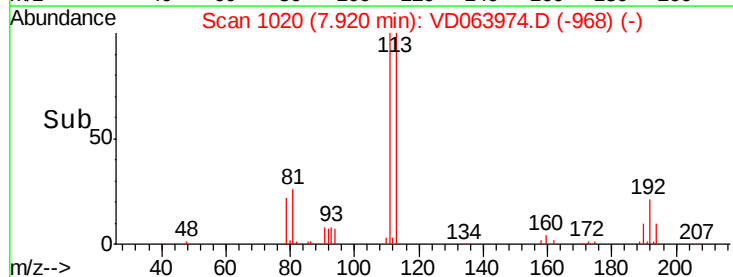
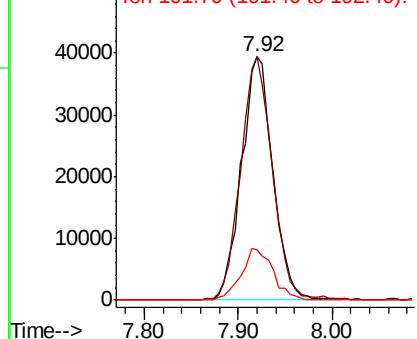


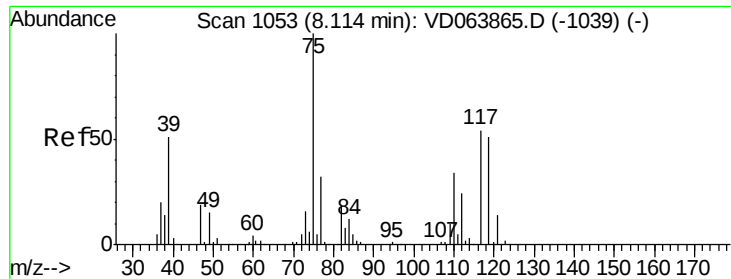
#35
 Dibromofluoromethane
 Concen: 52.877 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063974.D
 Acq: 15 Oct 2019 16:16

Tgt Ion:113 Resp: 91334
 Ion Ratio Lower Upper
 113 100
 111 100.9 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

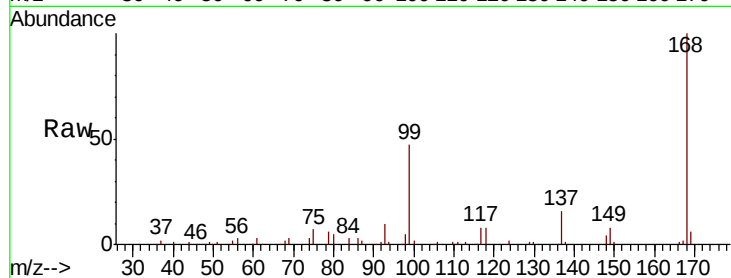




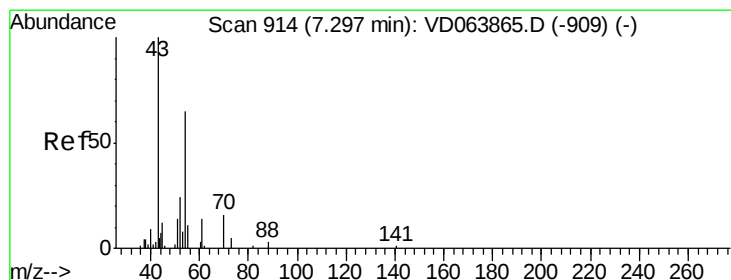
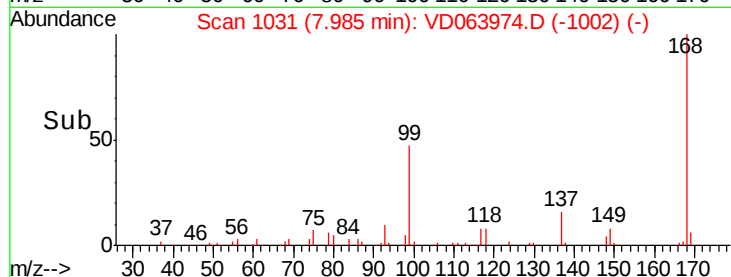
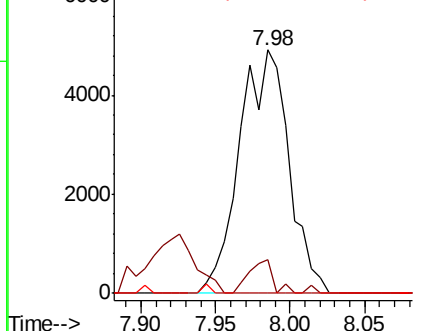
#36
 1,1-Dichloropropene
 Concen: 4.360 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063974.D
 Acq: 15 Oct 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-22A-D2

Tot Ion: 75 Resp: 11267
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.4 52.3#
 77 0.0 25.4 38.0#

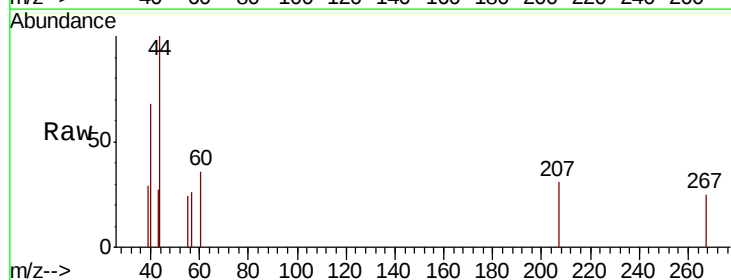


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

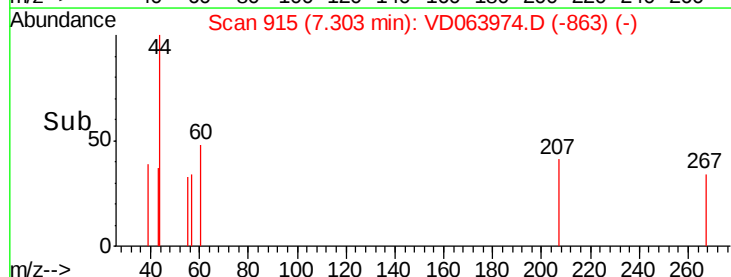
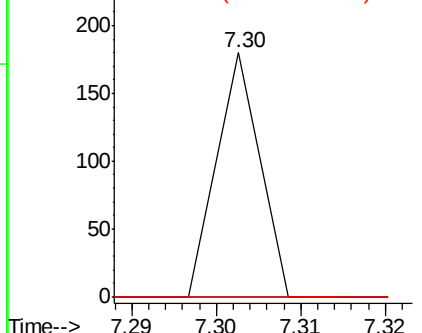


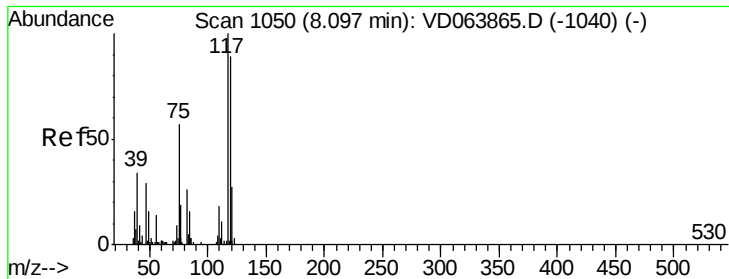
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD063974.D
 Acq: 15 Oct 2019 16:16

Tgt Ion: 43 Resp: 64
 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: 5.935 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD063974.D

Acq: 15 Oct 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

TP-22A-D2

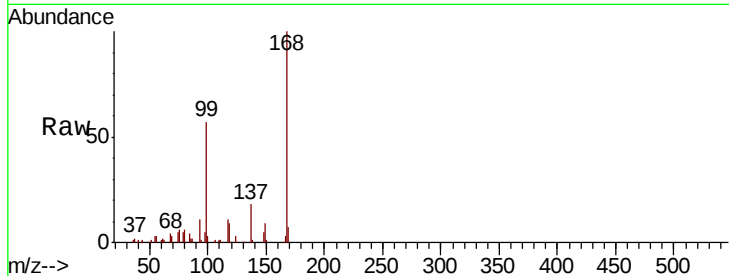
Tot Ion:117 Resp: 15499

Ion Ratio Lower Upper

117 100

119 2.8 70.8 106.2#

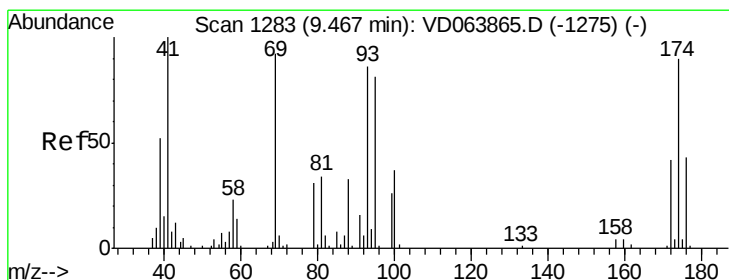
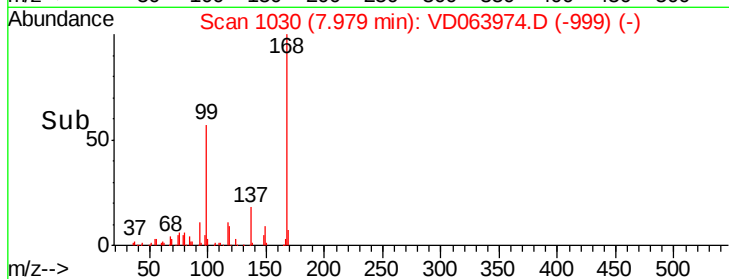
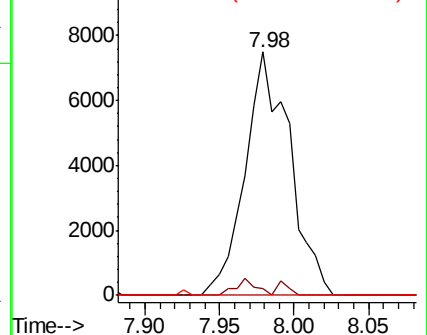
121 0.0 21.4 32.0#



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



#49

1,4-Dioxane

Concen: 6.600 ug/l

RT: 9.70 min Scan# 1322

Delta R.T. 0.23 min

Lab File: VD063974.D

Acq: 15 Oct 2019 16:16

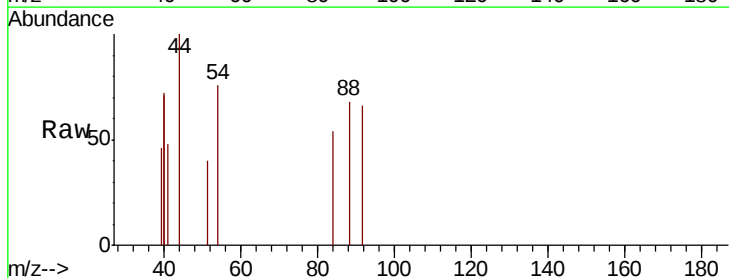
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

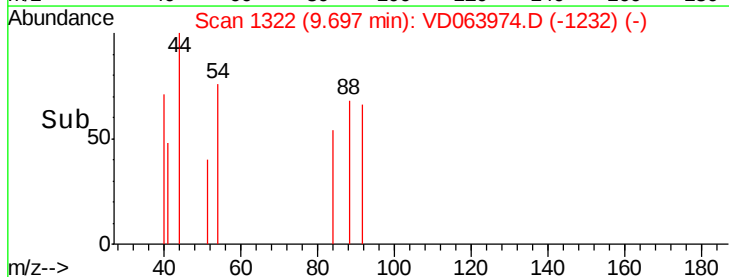
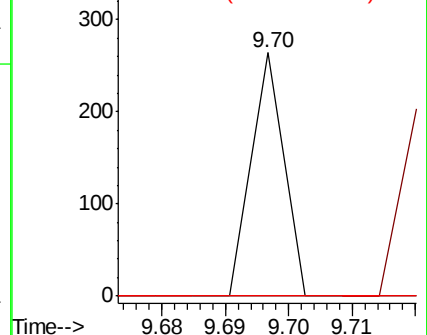
58 0.0 54.1 81.1#

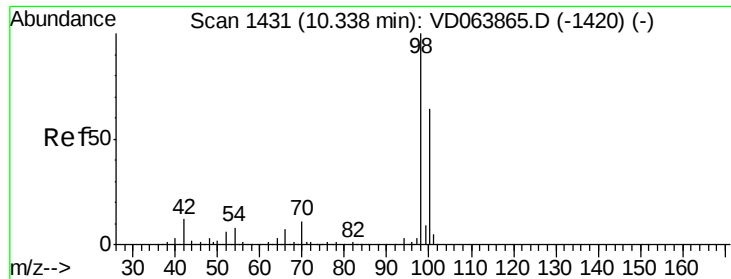


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

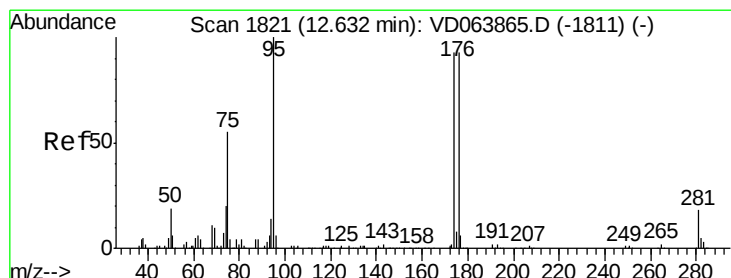
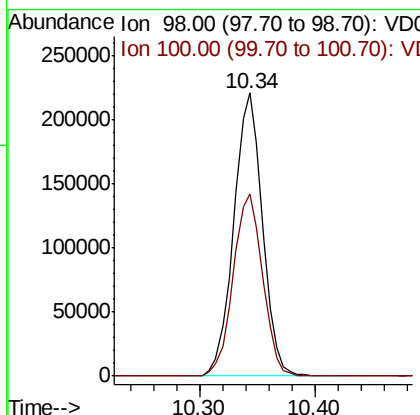
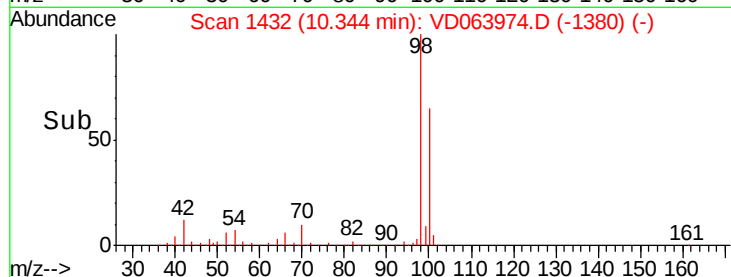
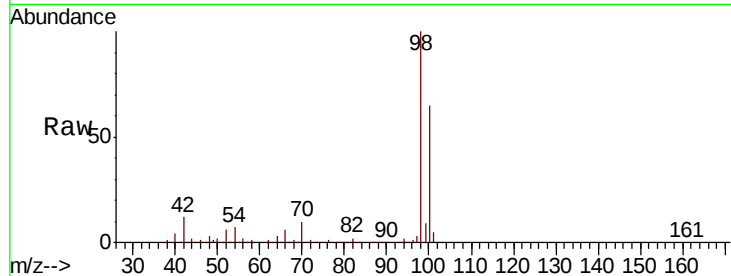




#50
Toluene-d8
Concen: 54.275 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

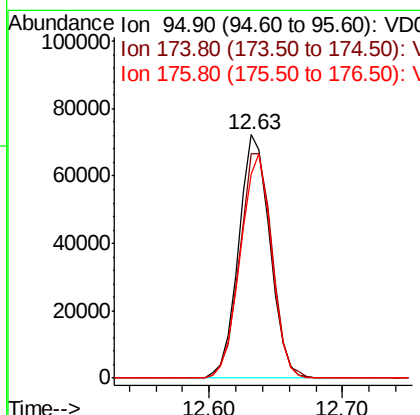
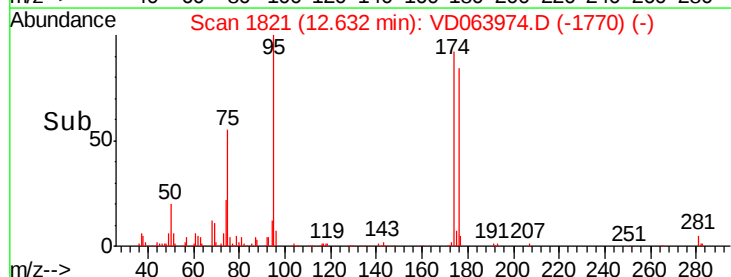
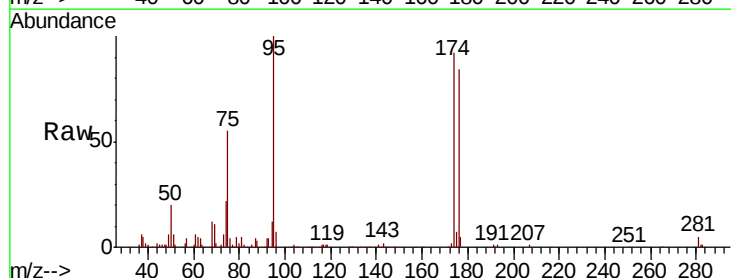
Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2

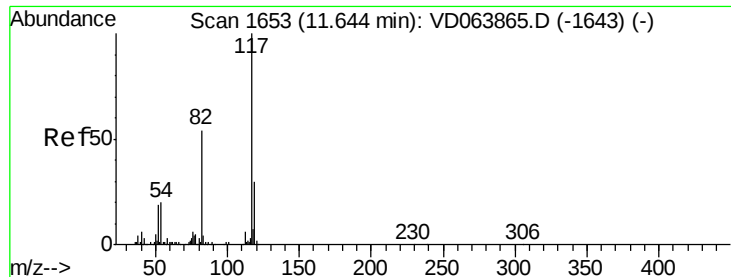
Tot Ion: 98 Resp: 380510
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.998 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

Tgt Ion: 95 Resp: 116937
Ion Ratio Lower Upper
95 100
174 95.7 0.0 186.4
176 91.9 0.0 184.2

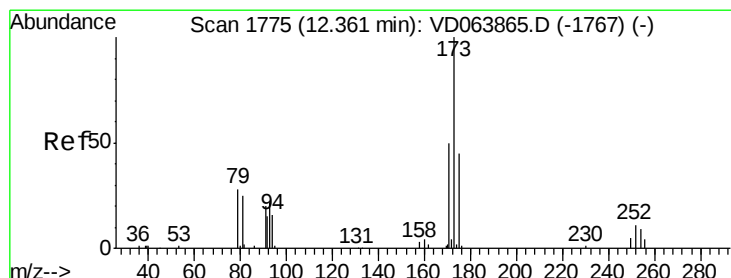
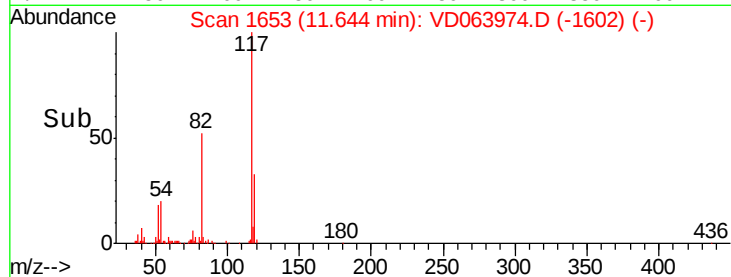
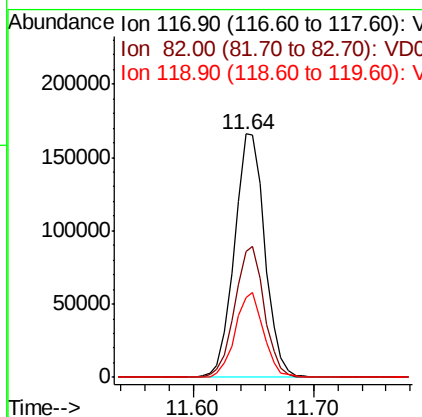
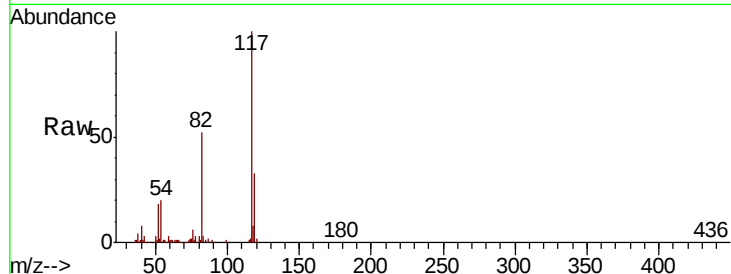




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

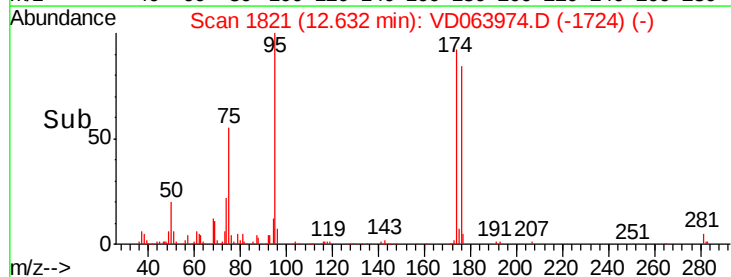
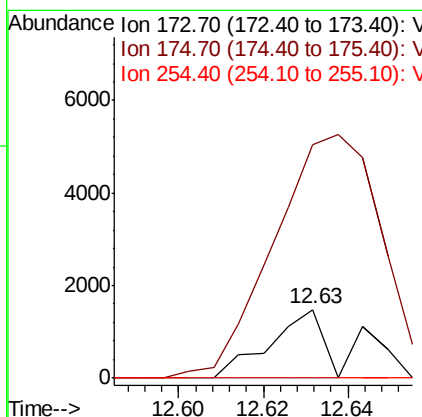
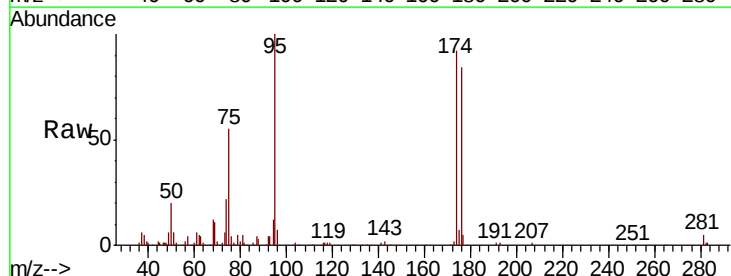
Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2

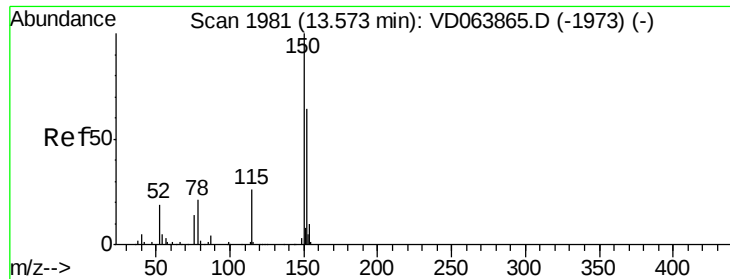
Tot Ion:117 Resp: 291576
Ion Ratio Lower Upper
117 100
82 51.5 42.8 64.2
119 32.6 24.4 36.6



#71
Bromoform
Concen: 1.113 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

Tgt Ion:173 Resp: 1289
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



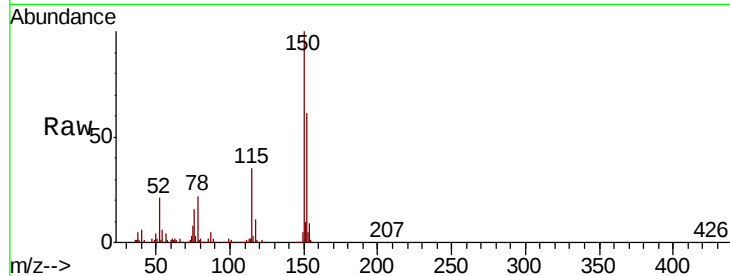


#72

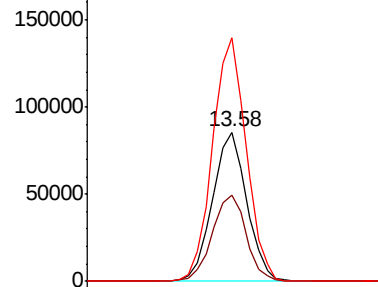
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2

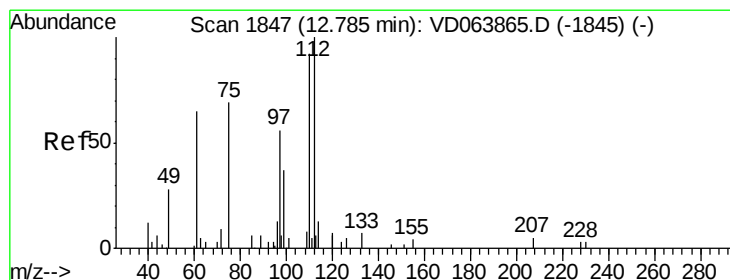
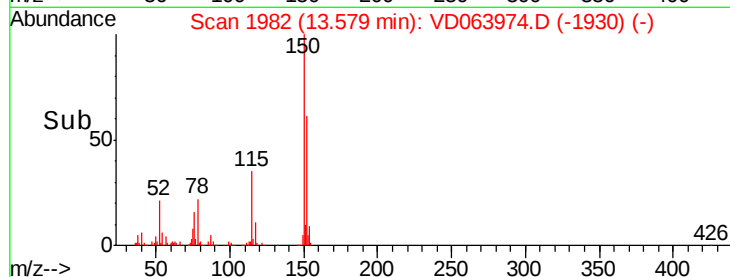
Tot Ion:152 Resp: 135769
Ion Ratio Lower Upper
152 100
115 57.2 25.9 77.7
150 160.4 0.0 344.2



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



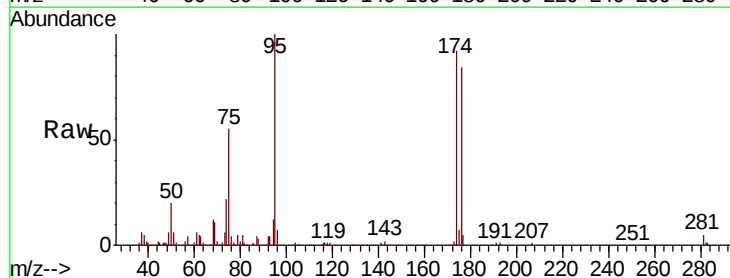
Time-->



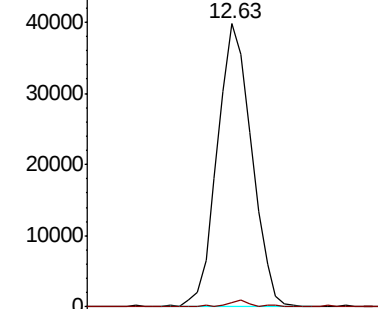
#76

1,2,3-Trichloropropane
Concen: 69.737 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD063974.D
Acq: 15 Oct 2019 16:16

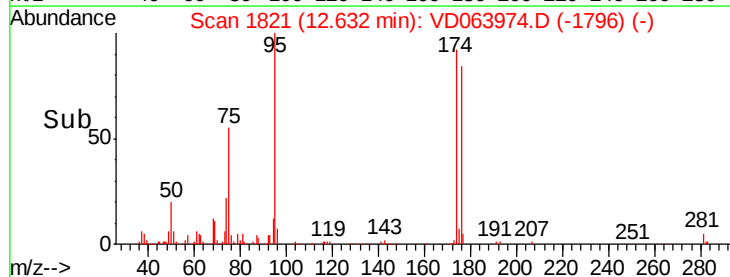
Tgt Ion: 75 Resp: 63415
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

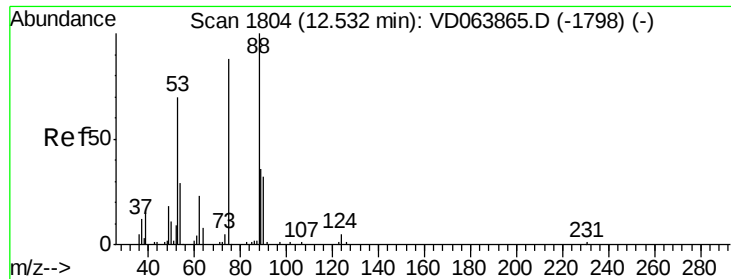


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 123.407 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063974.D

Acq: 15 Oct 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

TP-22A-D2

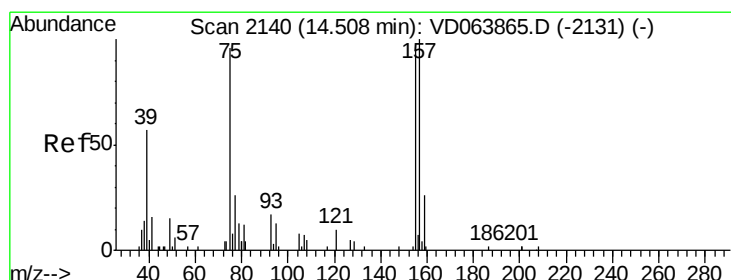
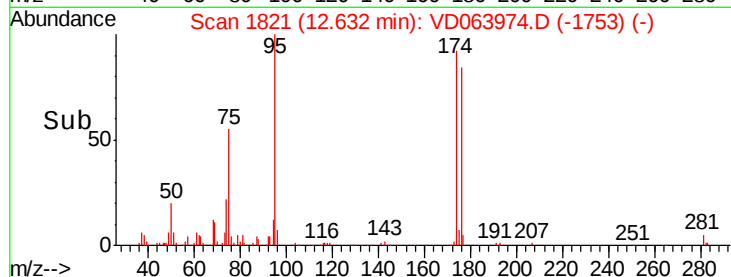
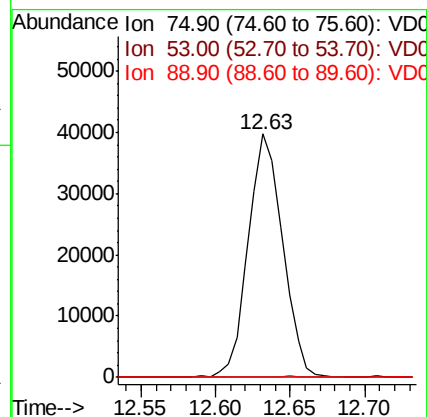
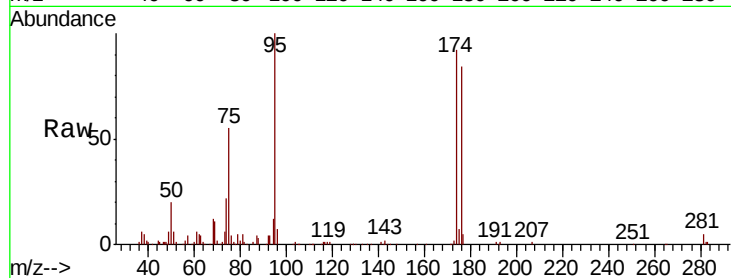
Tot Ion: 75 Resp: 63415

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.1 38.2 57.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD063974.D

Acq: 15 Oct 2019 16:16

Tgt Ion: 75 Resp: 146

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

