

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064271.D
 Acq On : 18 Nov 2019 18:24
 Operator : VA/SY
 Sample : K5839-10
 Misc : 5.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:39:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	558056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	852219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	790427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	396666	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	317964	69.28	ug/l	0.00
Spiked Amount			Recovery	=	138.56%	
35) Dibromofluoromethane	7.92	113	278921	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
50) Toluene-d8	10.34	98	1002780	54.34	ug/l	0.00
Spiked Amount			Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.64	95	357242	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	

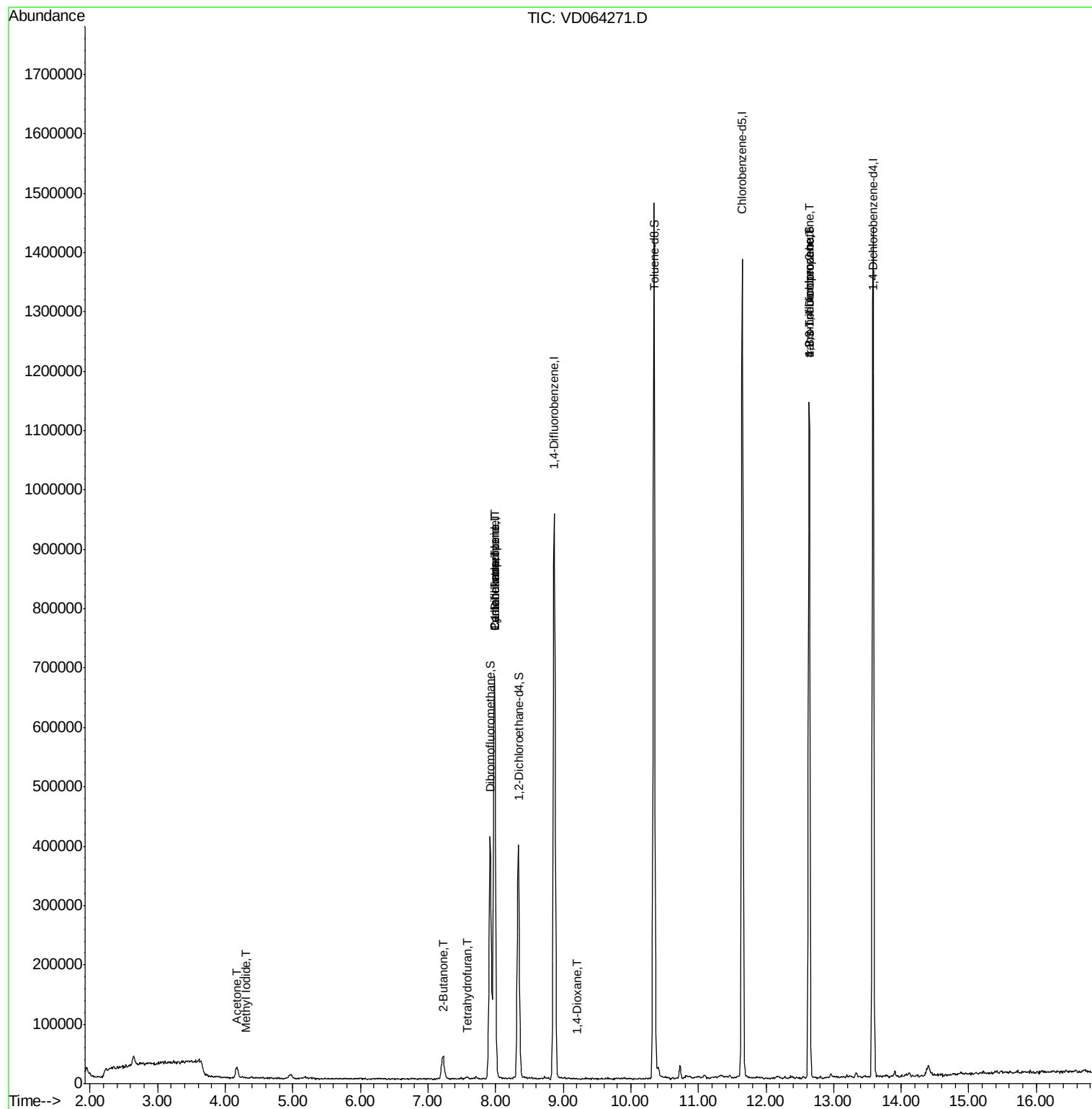
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	92	2.047	ug/l #	41
16) Acetone	4.16	43	34303	31.549	ug/l #	88
25) 2-Butanone	7.23	43	6396	4.553	ug/l #	81
29) Tetrahydrofuran	7.58	42	1195	1.416	ug/l #	84
31) Cyclohexane	7.98	56	11883	1.319	ug/l #	30
36) 1,1-Dichloropropene	7.98	75	37212	4.731	ug/l #	49
38) Carbon Tetrachloride	7.98	117	51816	6.157	ug/l #	15
49) 1,4-Dioxane	9.20	88	67	1.992	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	181574	56.830	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	181574	112.887	ug/l #	10

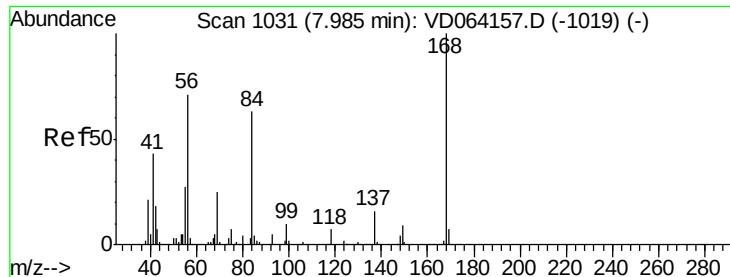
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064271.D

Acq: 18 Nov 2019 18:24

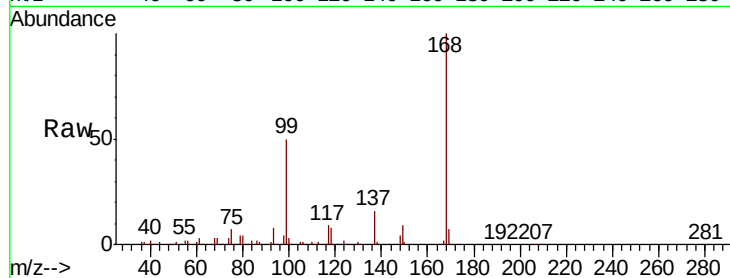
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 558056

Ion Ratio Lower Upper

168 100

99 50.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

250000

200000

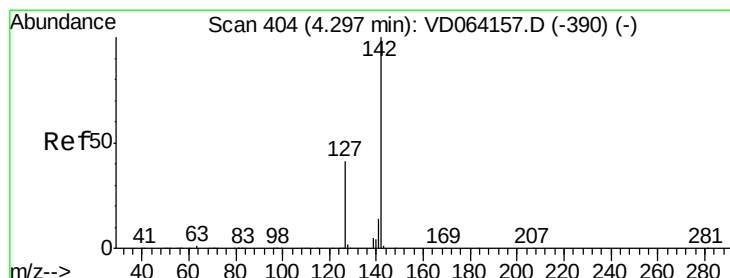
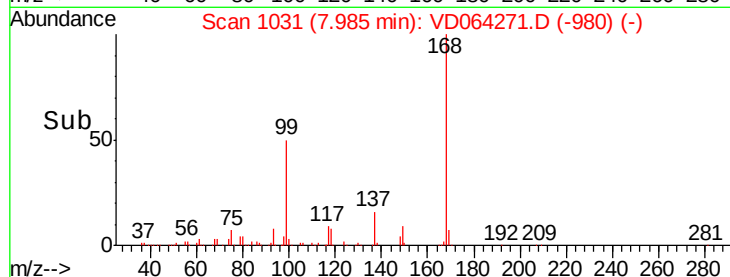
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.047 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD064271.D

Acq: 18 Nov 2019 18:24

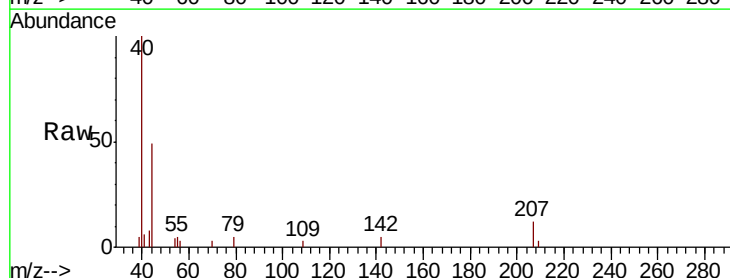
Tgt Ion:142 Resp: 92

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

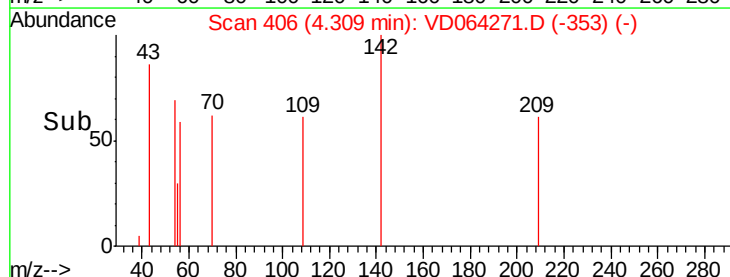
300

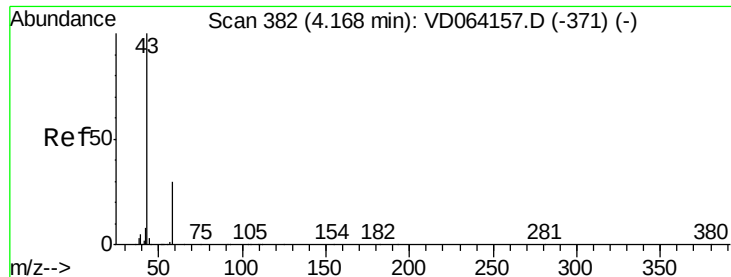
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100

0

Time-->

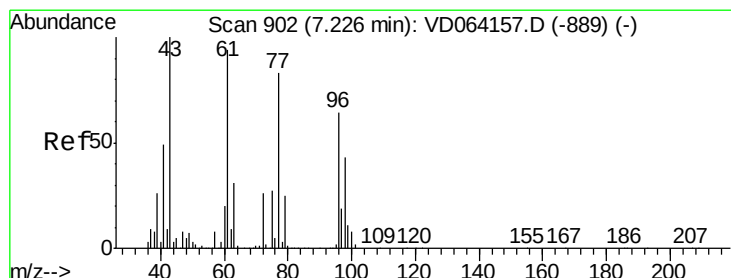
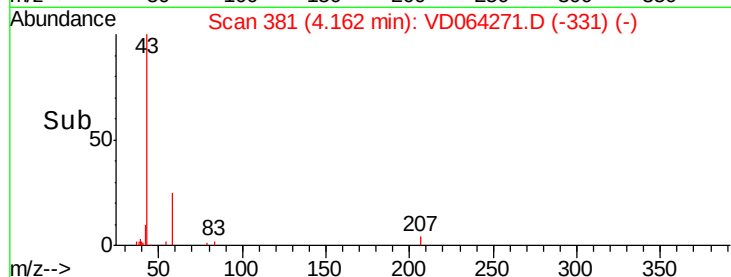
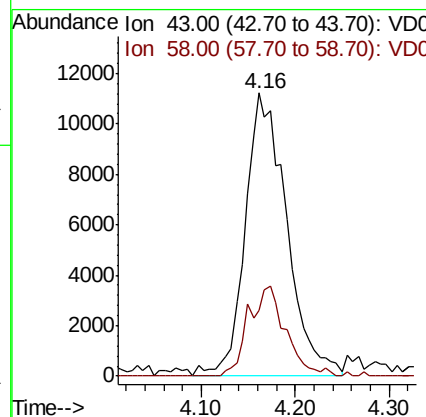
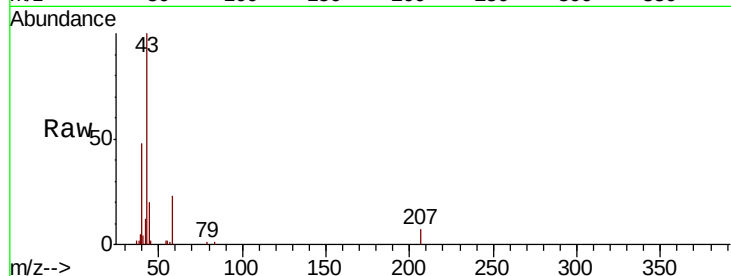




#16
Acetone
Concen: 31.549 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

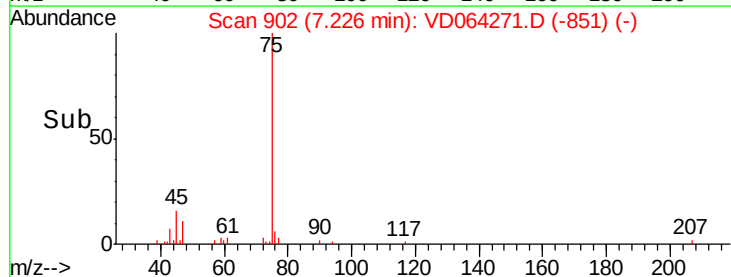
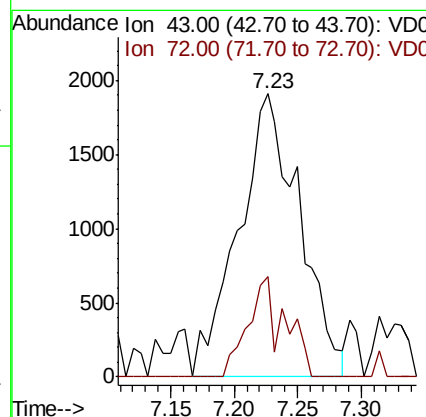
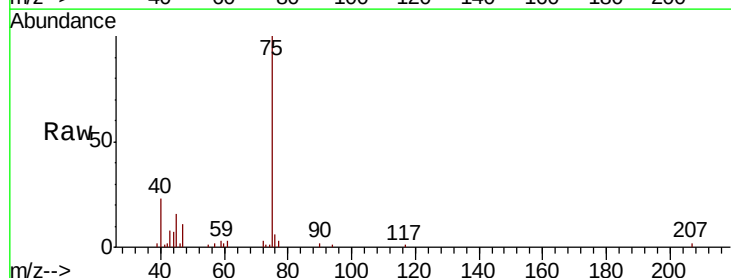
Instrument :
MSVOA_D
ClientSampleId :

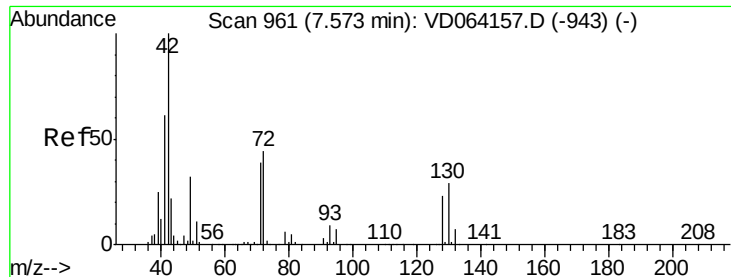
Tot Ion: 43 Resp: 34303
Ion Ratio Lower Upper
43 100
58 23.4 24.1 36.1#



#25
2-Butanone
Concen: 4.553 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

Tgt Ion: 43 Resp: 6396
Ion Ratio Lower Upper
43 100
72 35.4 20.6 30.8#

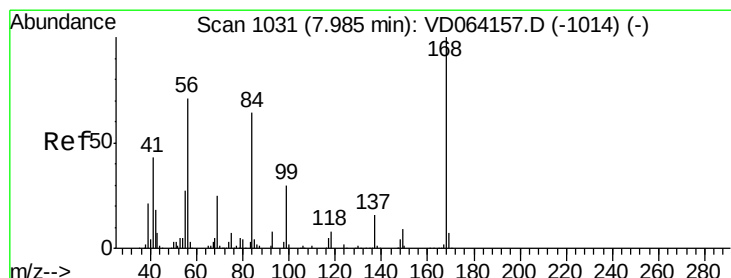
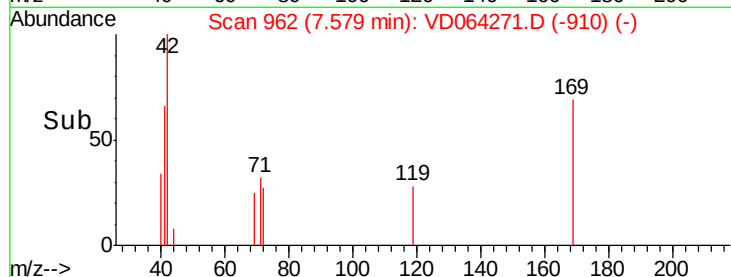
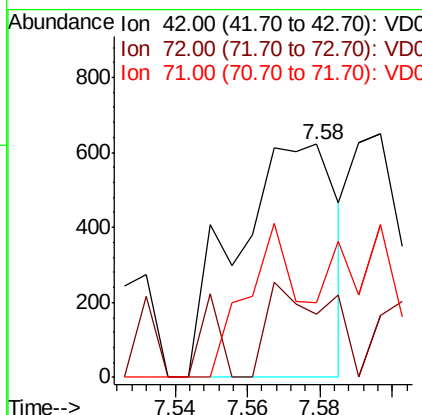
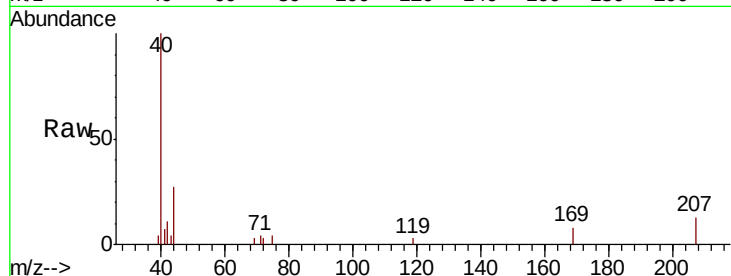




#29
Tetrahydrofuran
Concen: 1.416 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

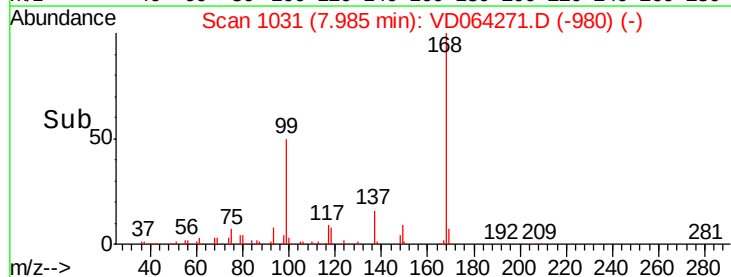
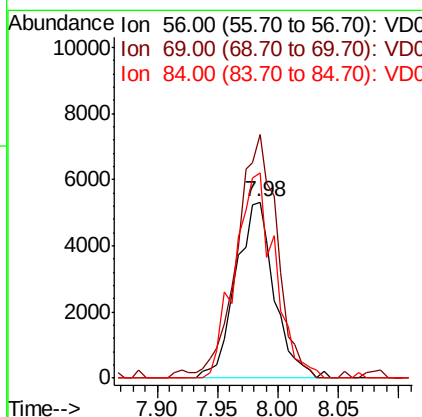
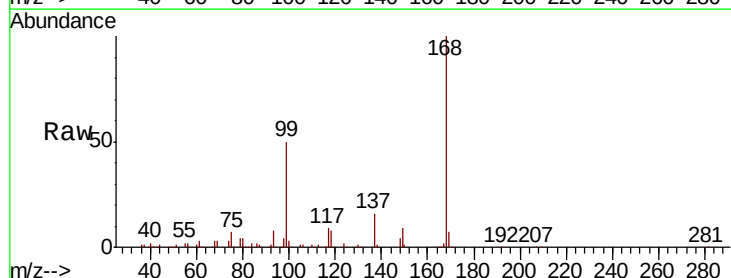
Instrument :
MSVOA_D
ClientSampled :

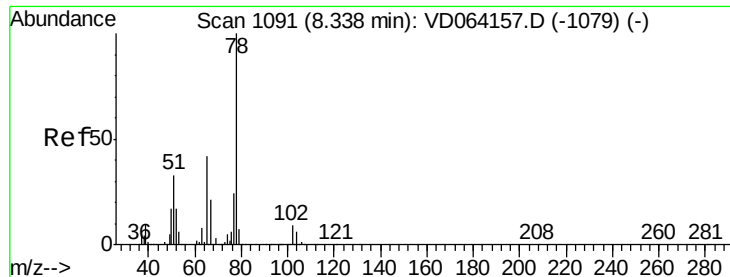
Tot Ion: 42 Resp: 1195
Ion Ratio Lower Upper
42 100
72 24.8 33.4 50.2#
71 36.4 31.0 46.4



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

Tgt Ion: 56 Resp: 11883
Ion Ratio Lower Upper
56 100
69 138.3 28.2 42.4#
84 116.5 71.8 107.6#

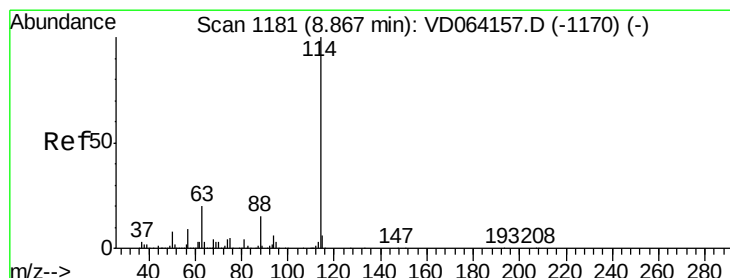
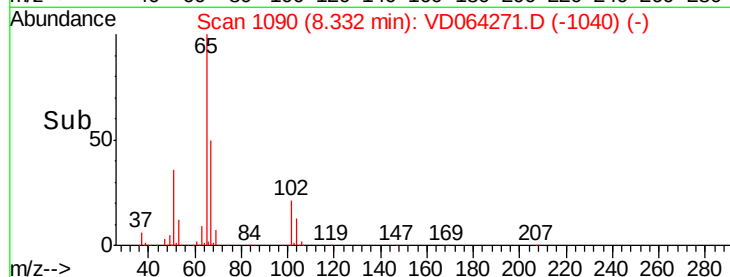
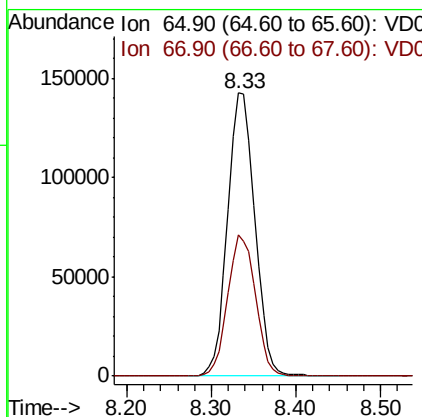
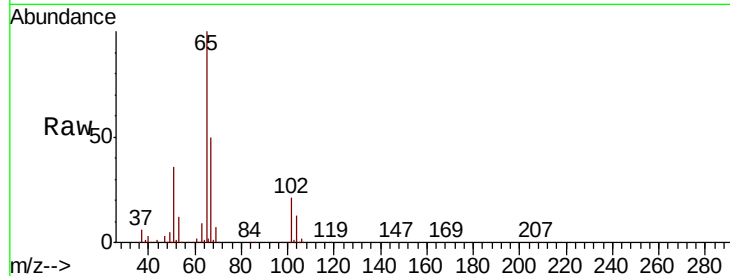




#33
 1,2-Dichloroethane-d4
 Concen: 69.278 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064271.D
 Acq: 18 Nov 2019 18:24

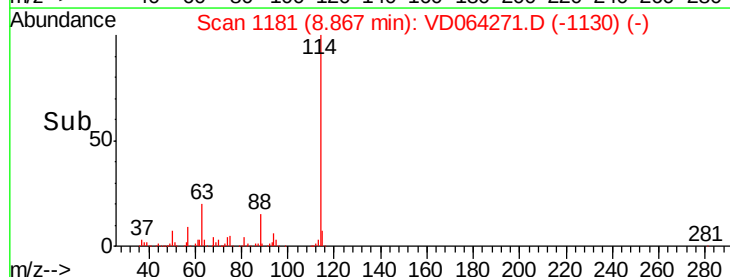
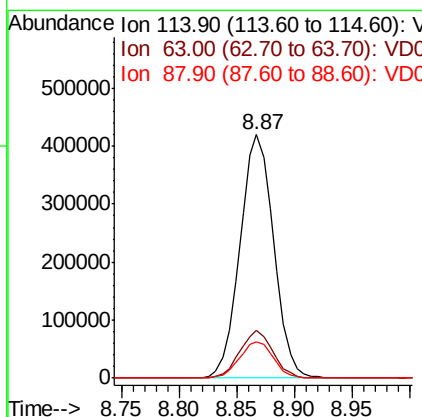
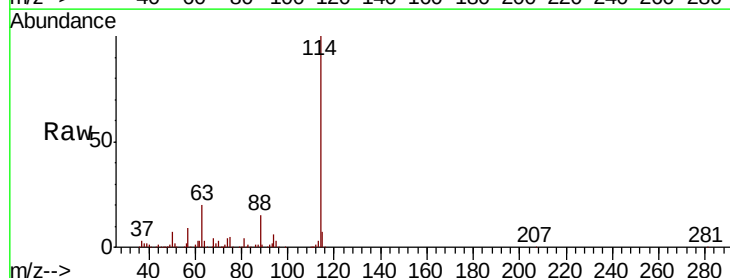
Instrument :
 MSVOA_D
 ClientSampleId :

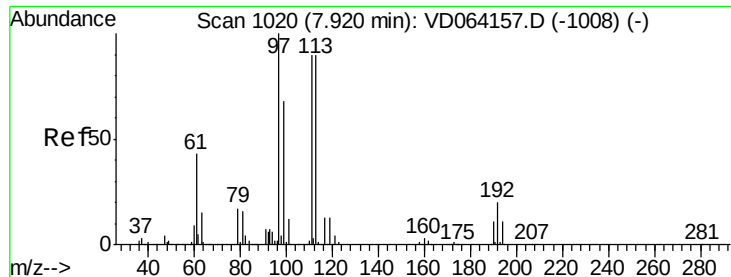
Tot Ion: 65 Resp: 317964
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064271.D
 Acq: 18 Nov 2019 18:24

Tgt Ion: 114 Resp: 852219
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 14.8 0.0 30.2

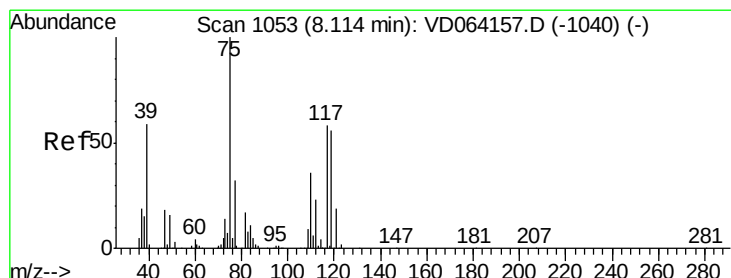
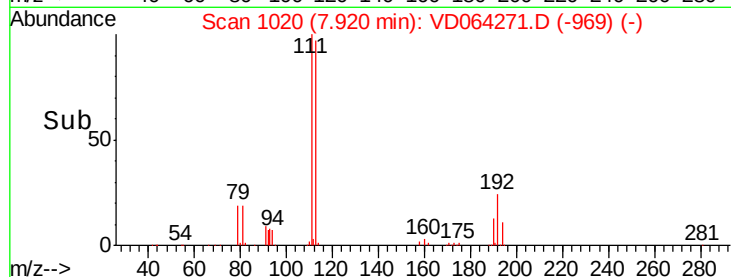
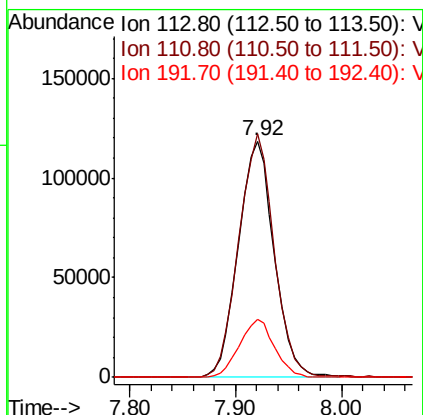
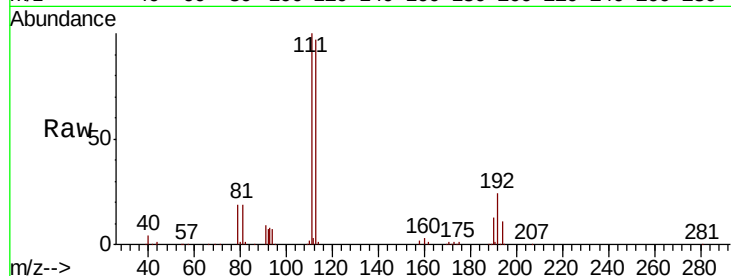




#35
 Dibromofluoromethane
 Concen: 57.017 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064271.D
 Acq: 18 Nov 2019 18:24

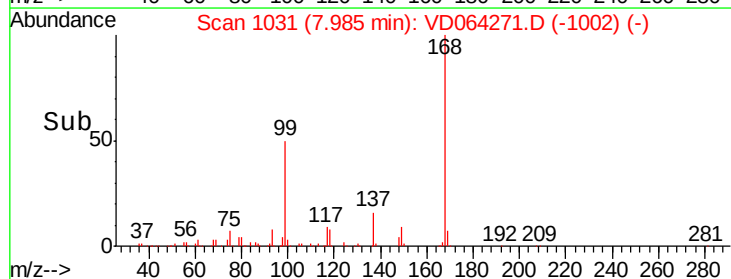
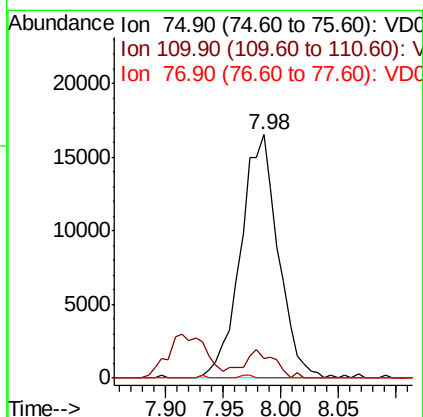
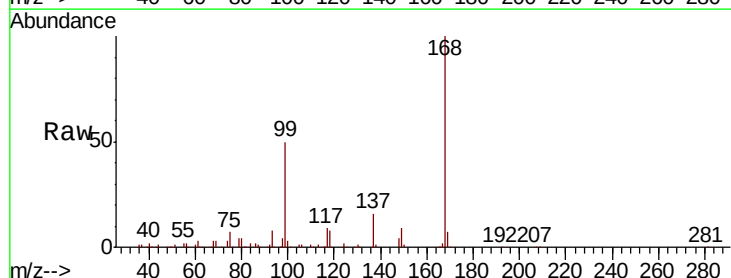
Instrument :
 MSVOA_D
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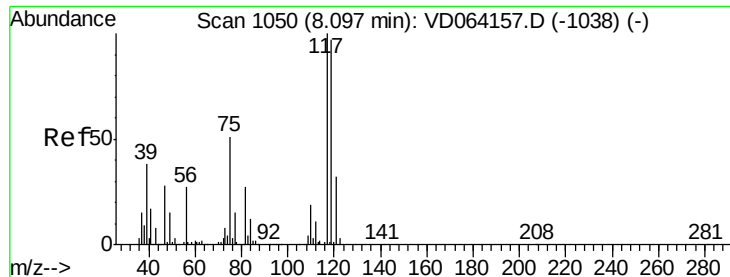
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.5	122.3
192	24.1	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064271.D
 Acq: 18 Nov 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.3	54.9#
77	0.4	25.0	37.6#

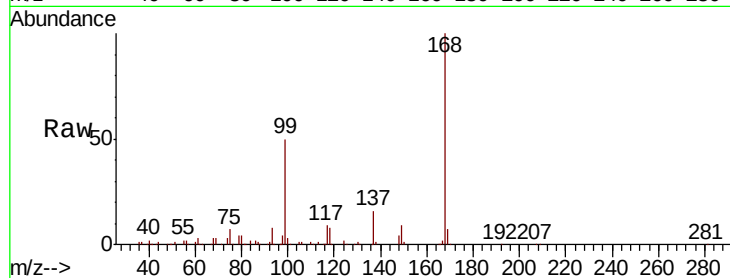




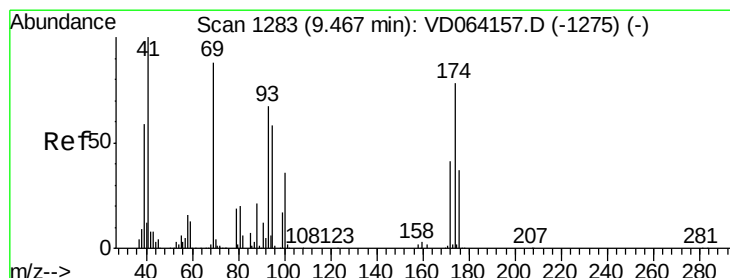
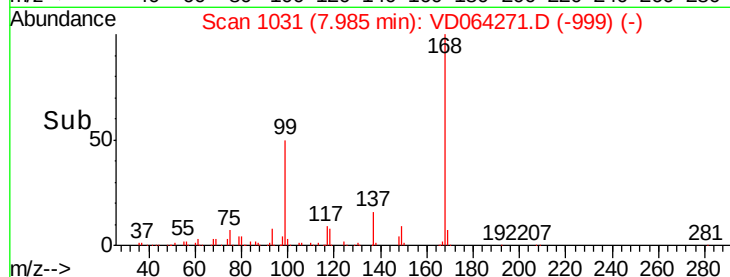
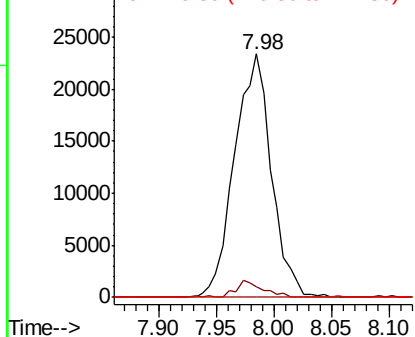
#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 51816
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 25.5 38.3#

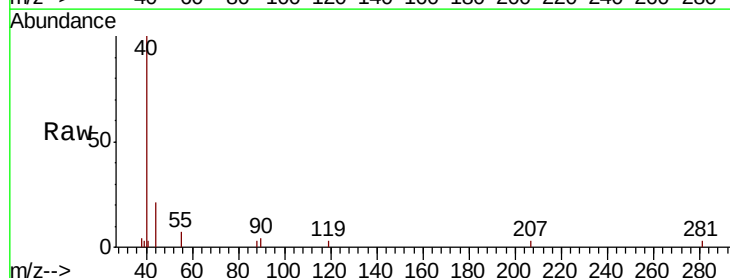


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

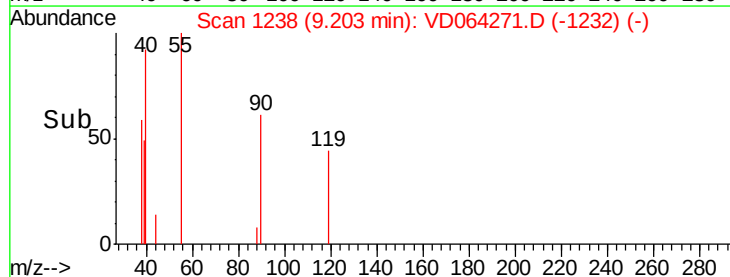
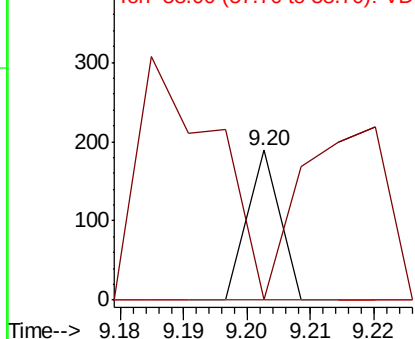


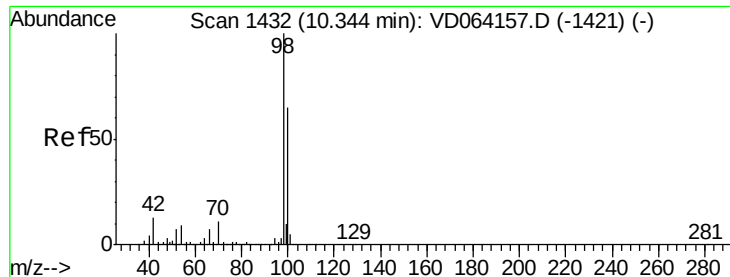
#49
1,4-Dioxane
Concen: 1.992 ug/l
RT: 9.20 min Scan# 1238
Delta R.T. -0.26 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 309.0 29.8 44.8#
58 0.0 58.1 87.1#



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

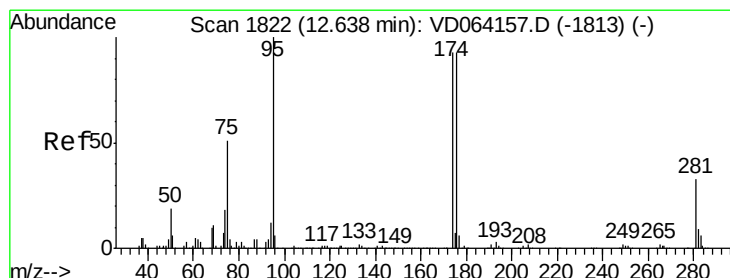
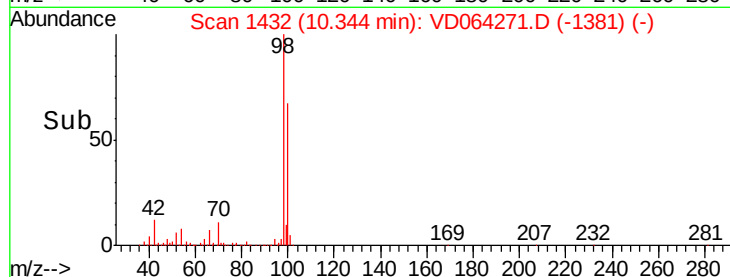
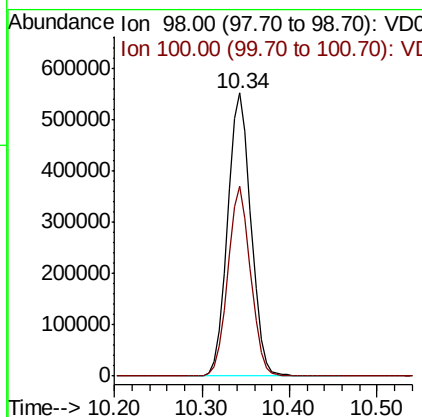
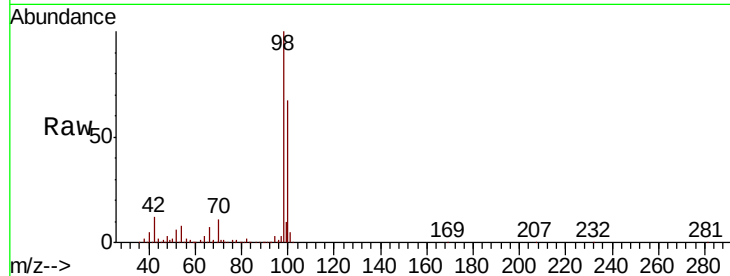




#50
Toluene-d8
Concen: 54.339 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

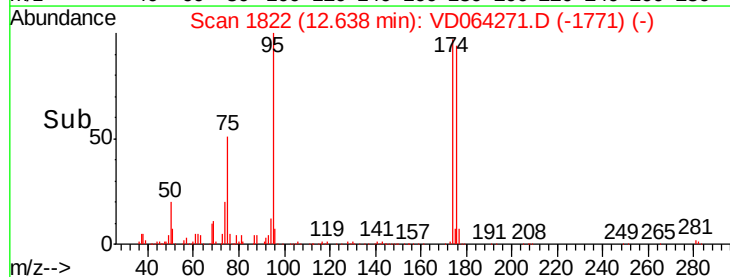
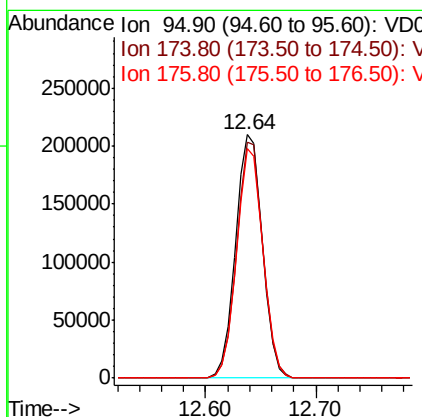
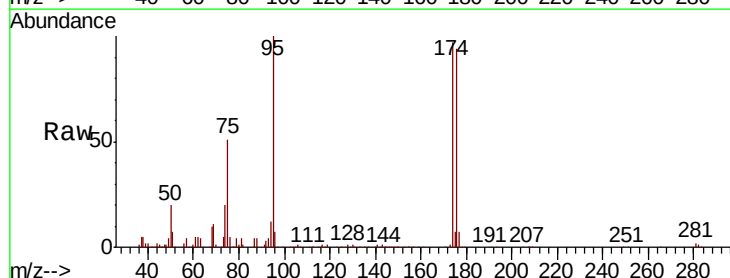
Instrument :
MSVOA_D
ClientSampleId :

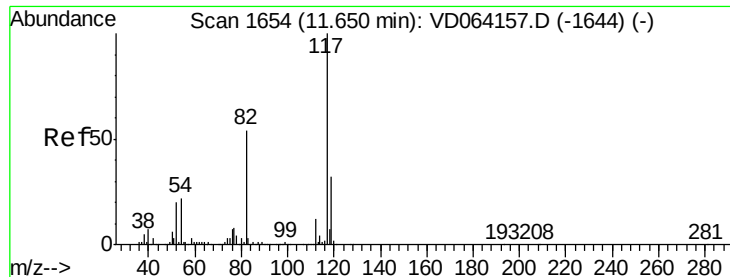
Tot Ion: 98 Resp: 1002780
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 55.899 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

Tgt Ion: 95 Resp: 357242
Ion Ratio Lower Upper
95 100
174 95.1 0.0 183.6
176 93.0 0.0 180.2

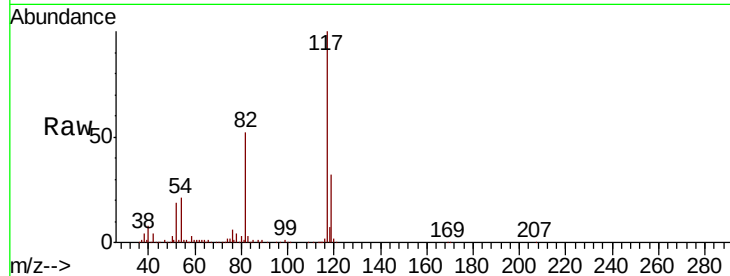




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.8	64.2
119	32.1	25.6	38.4

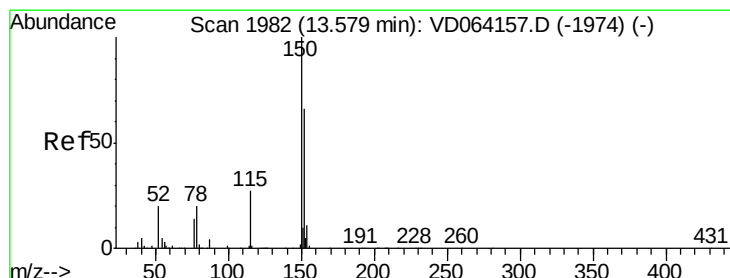
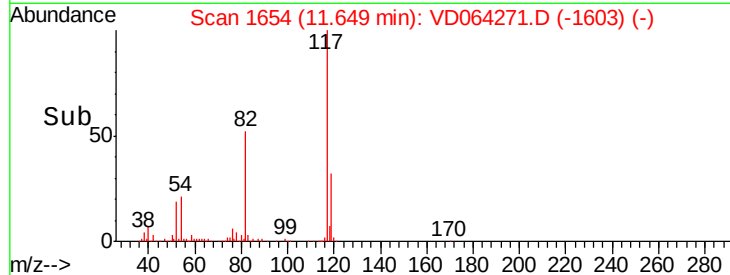
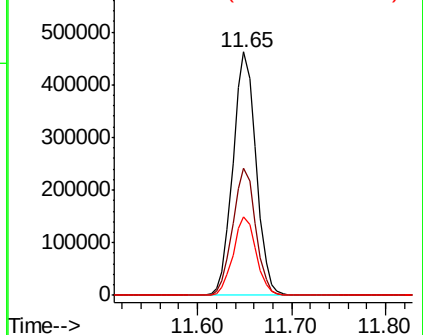


Abundance

Ion 116.90 (116.60 to 117.60): V

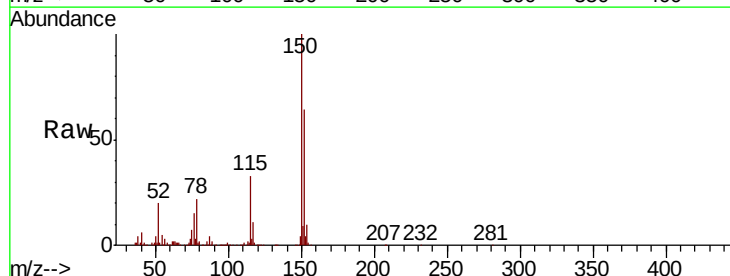
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064271.D
Acq: 18 Nov 2019 18:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.4	82.2
150	157.7	0.0	351.6

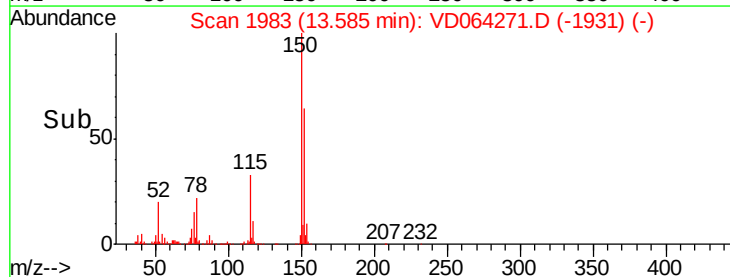
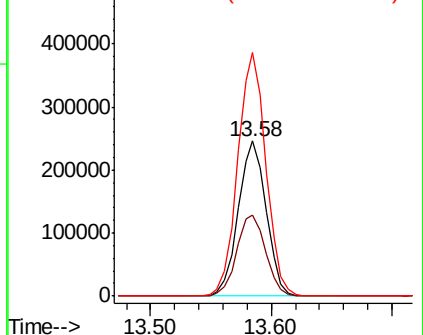


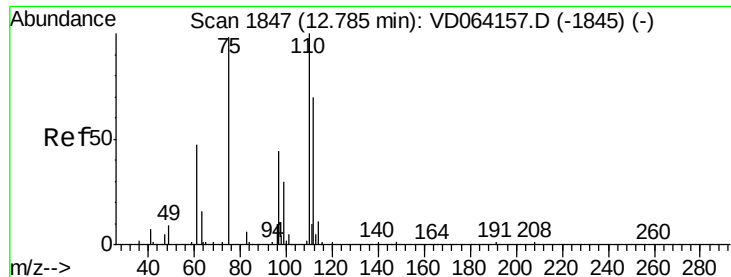
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 56.830 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064271.D

Acq: 18 Nov 2019 18:24

Instrument :

MSVOA_D

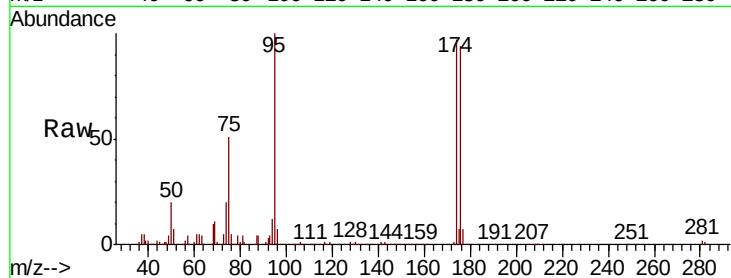
ClientSampled :

Tot Ion: 75 Resp: 181574

Ion Ratio Lower Upper

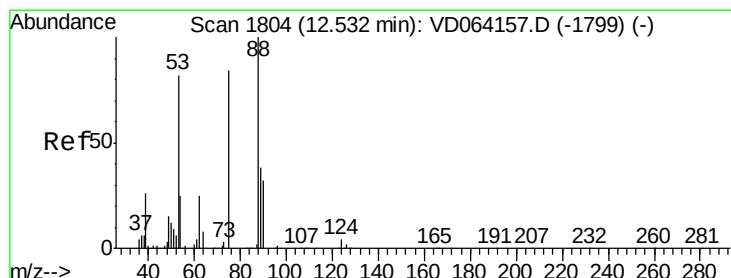
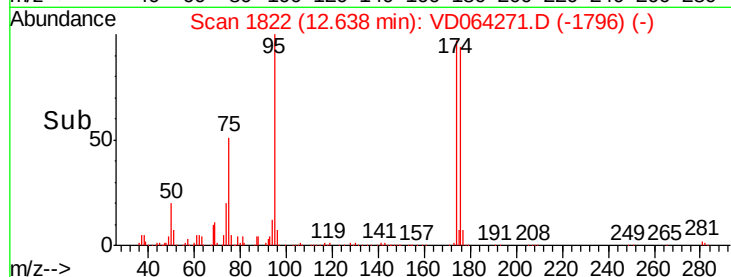
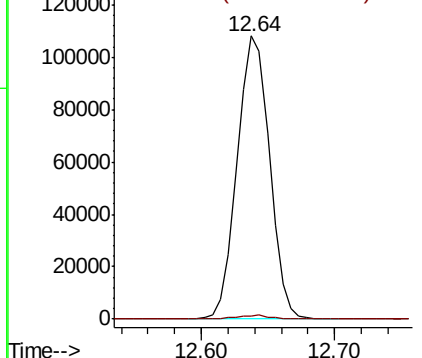
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 112.887 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064271.D

Acq: 18 Nov 2019 18:24

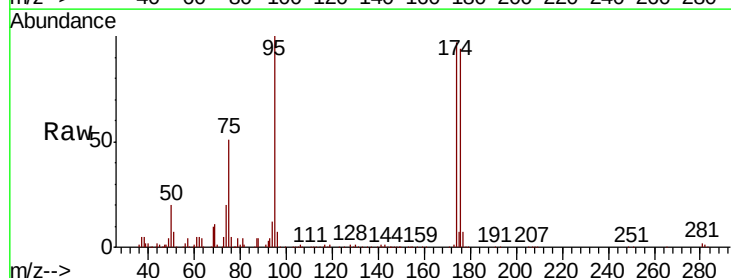
Tgt Ion: 75 Resp: 181574

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#



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

