

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
 Data File : VD065049.D
 Acq On : 03 Feb 2020 12:49
 Operator : VA/SY
 Sample : L1345-02
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 01-31-B

Quant Time: Feb 03 14:06:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	310207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	486376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	499937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238250	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	183157	61.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.10%	
35) Dibromofluoromethane	7.92	113	165258	54.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.14%	
50) Toluene-d8	10.34	98	595416	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.64	95	211720	58.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.30%	

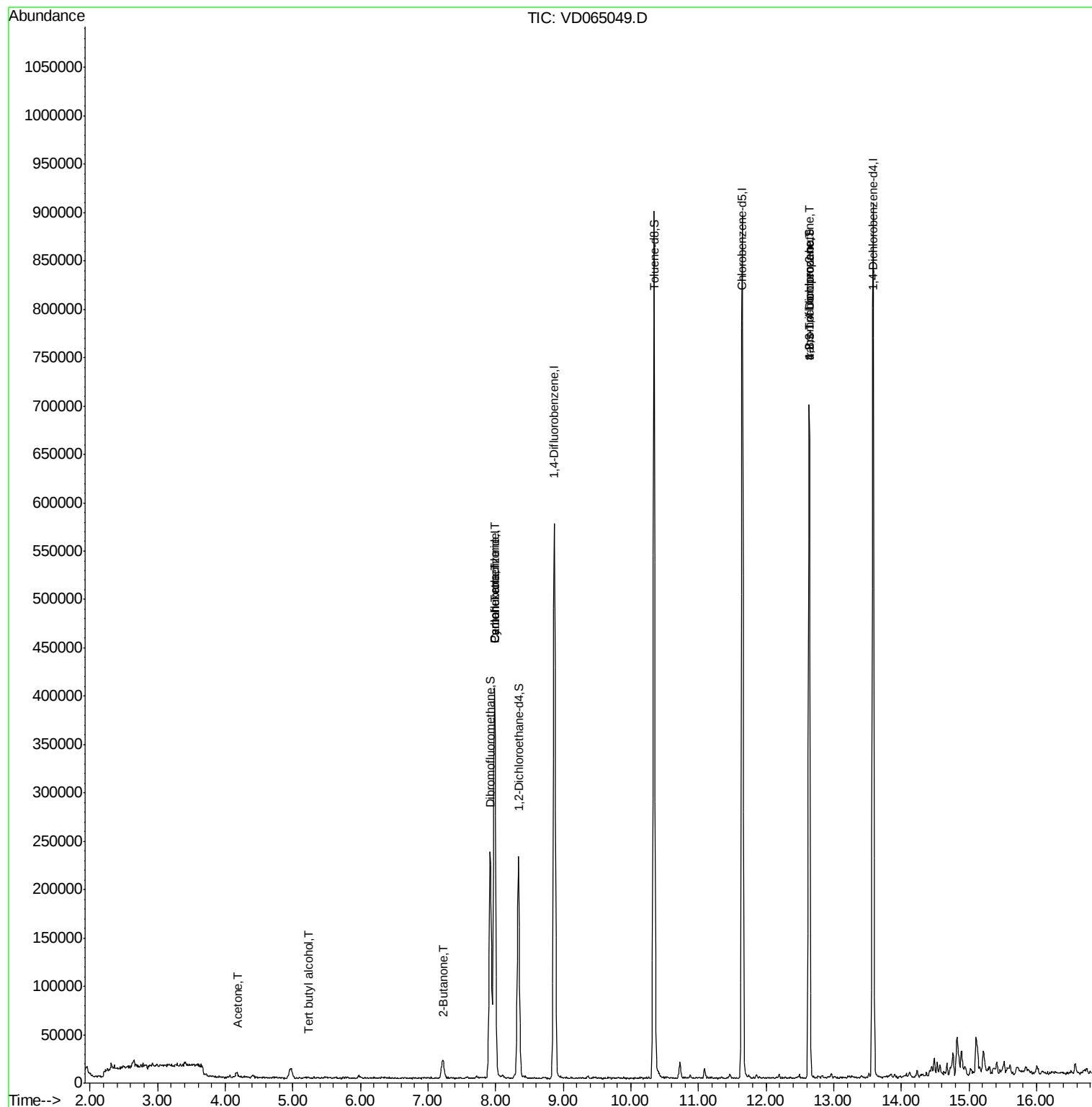
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	293	1.78	ug/l #	74
16) Acetone	4.18	43	7657	22.55	ug/l #	84
20) Methylene Chloride	4.97	84	7944	Below Cal		85
25) 2-Butanone	7.23	43	2038	2.54	ug/l #	49
31) Cyclohexane	7.98	56	7032	1.36	ug/l #	38
38) Carbon Tetrachloride	7.98	117	29513	5.95	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	110510	55.88	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110510	119.32	ug/l #	9

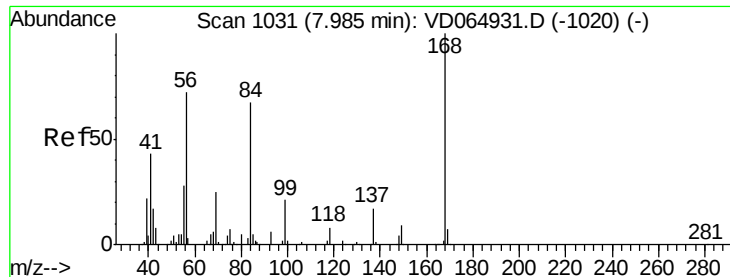
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
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Operator : VA/SY
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ALS Vial : 7 Sample Multiplier: 1

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01-31-B

Quant Time: Feb 03 14:06:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065049.D

Acq: 03 Feb 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

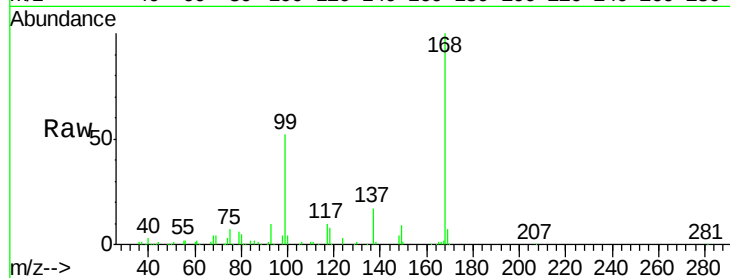
01-31-B

Tgt Ion:168 Resp: 310207

Ion Ratio Lower Upper

168 100

99 52.4 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

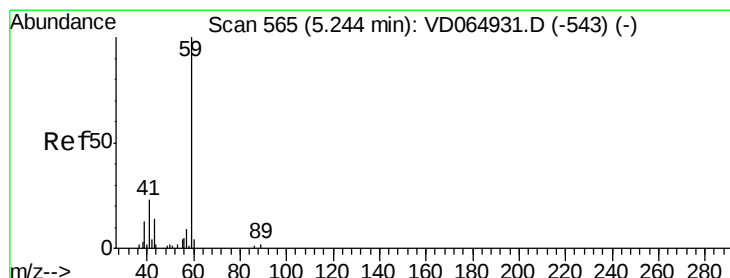
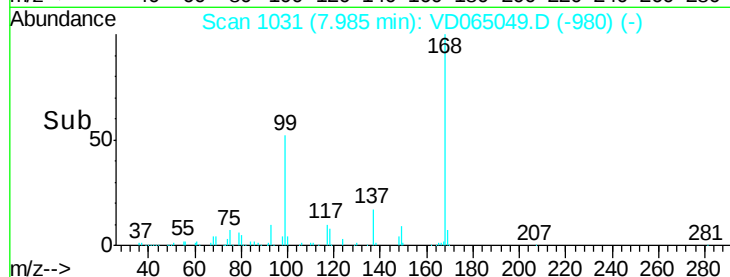
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.78 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065049.D

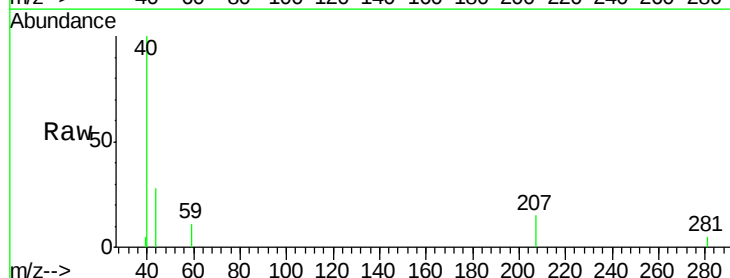
Acq: 03 Feb 2020 12:49

Tgt Ion: 59 Resp: 293

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

400

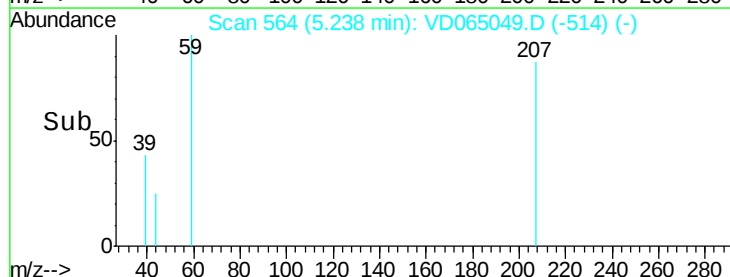
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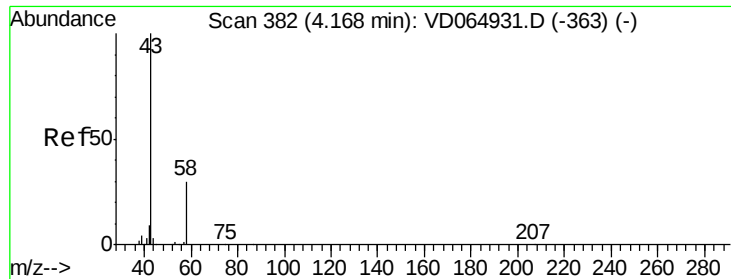
200

100

0

Time-->





#16

Acetone

Concen: 22.55 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD065049.D

Acq: 03 Feb 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

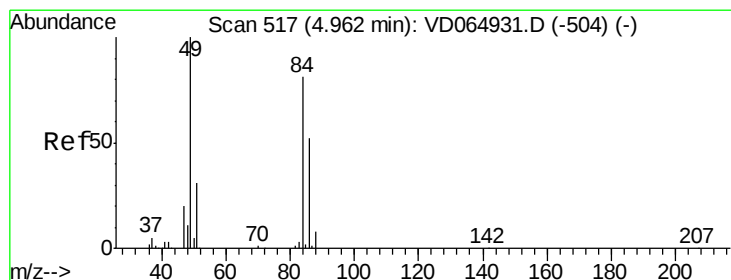
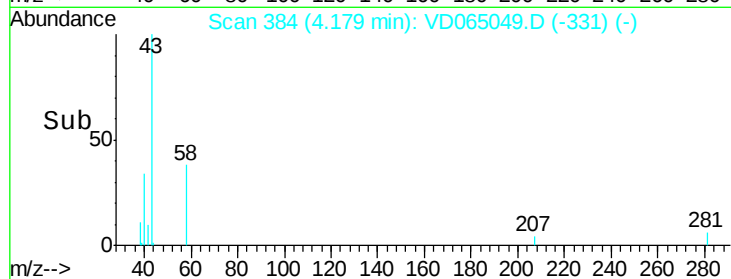
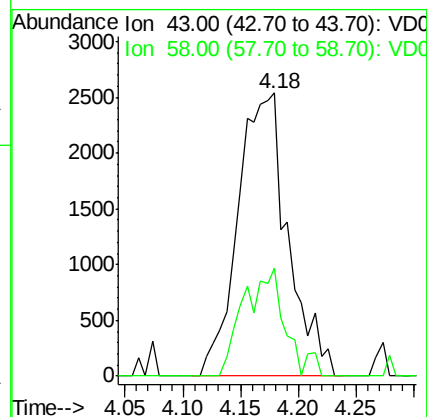
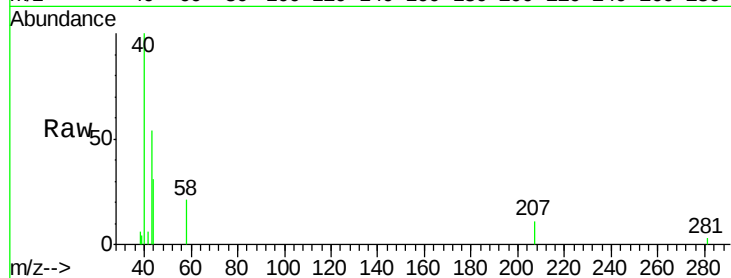
01-31-B

Tgt Ion: 43 Resp: 7657

Ion Ratio Lower Upper

43 100

58 38.3 23.8 35.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065049.D

Acq: 03 Feb 2020 12:49

Tgt Ion: 84 Resp: 7944

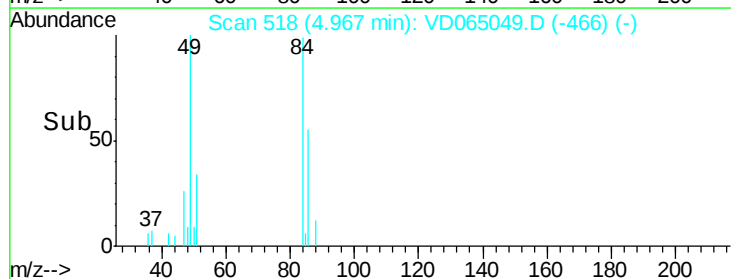
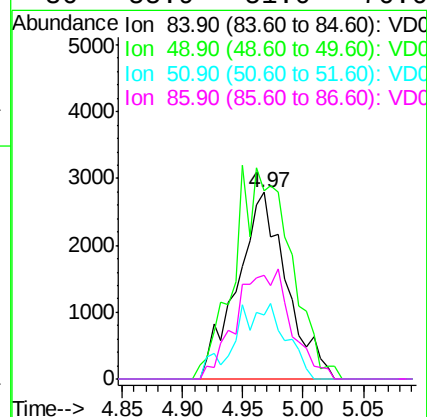
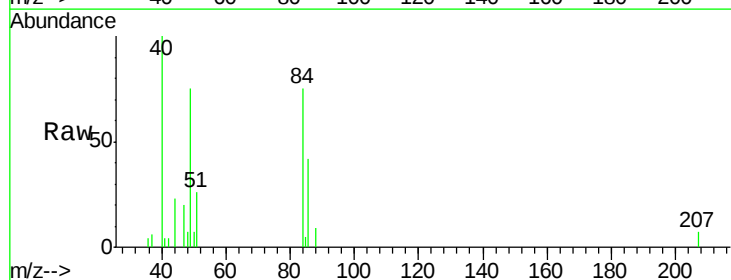
Ion Ratio Lower Upper

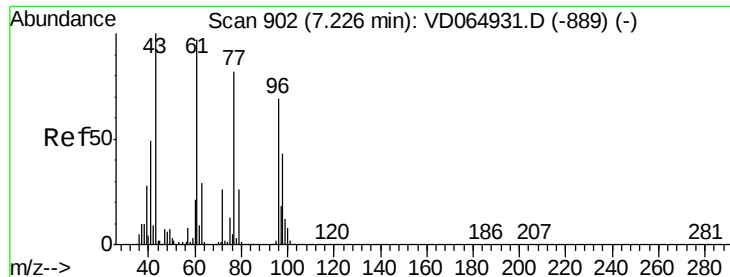
84 100

49 100.9 98.4 147.6

51 34.1 30.8 46.2

86 55.9 51.0 76.6

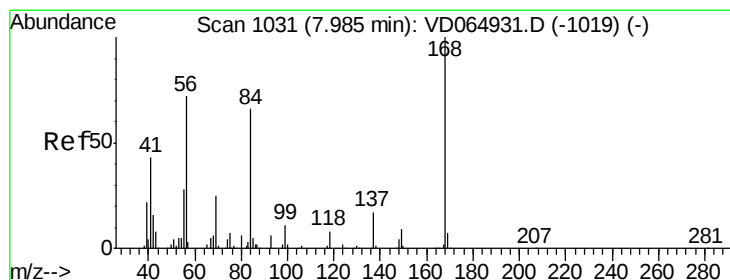
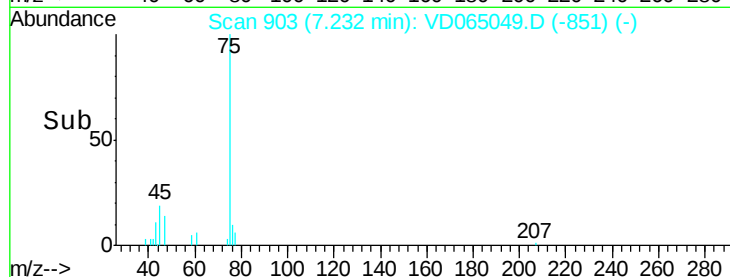
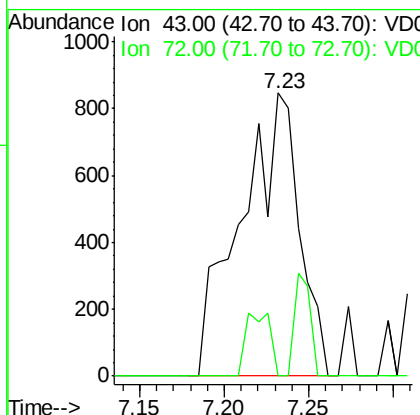
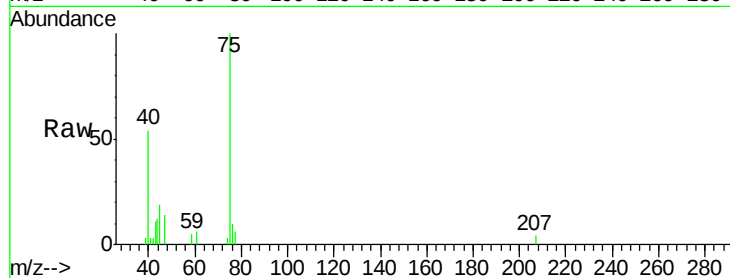




#25
2-Butanone
Concen: 2.54 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD065049.D
Acq: 03 Feb 2020 12:49

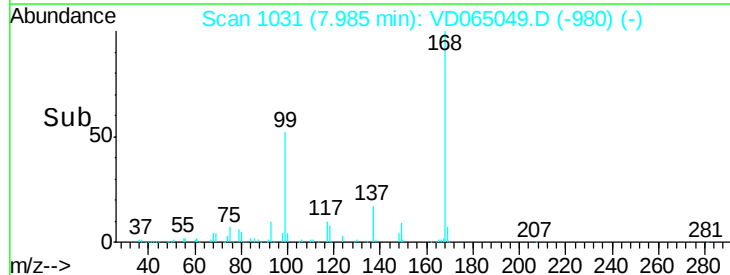
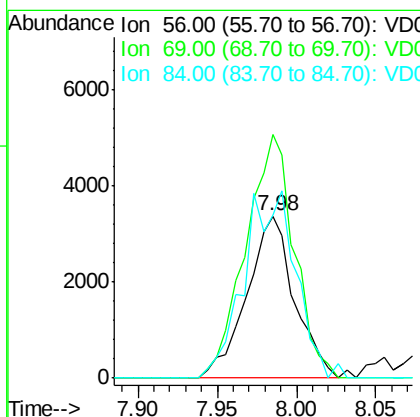
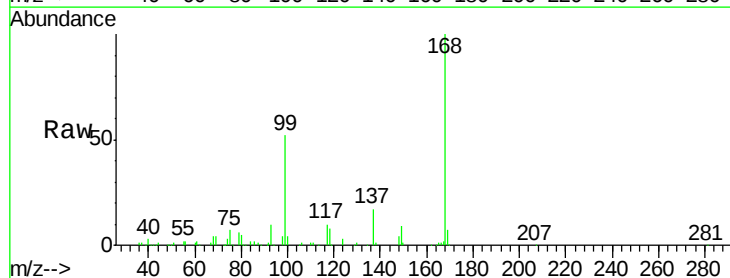
Instrument :
MSVOA_D
ClientSampleId :
01-31-B

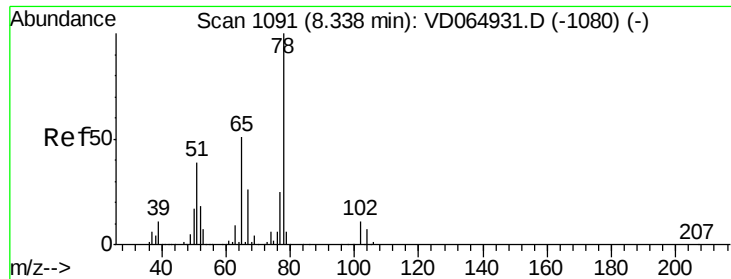
Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065049.D
Acq: 03 Feb 2020 12:49

Tgt Ion: 56 Resp: 7032
Ion Ratio Lower Upper
56 100
69 150.0 27.9 41.9#
84 100.7 72.8 109.2

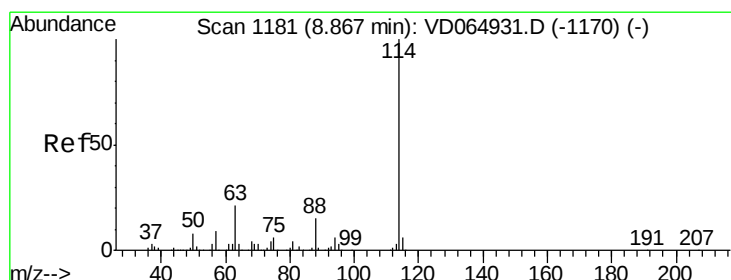
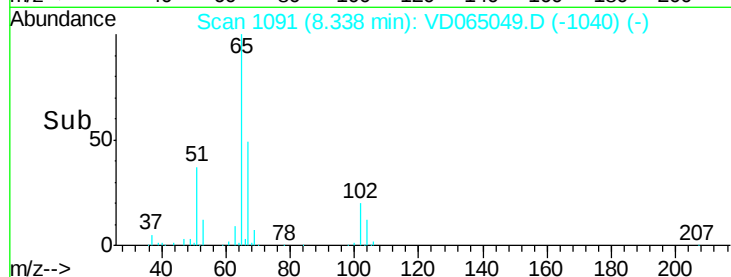
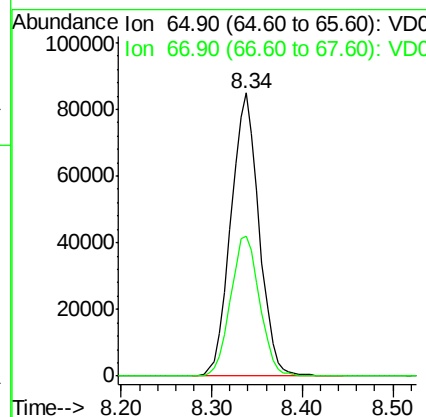
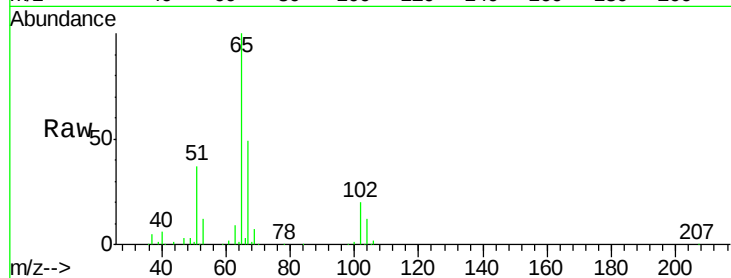




#33
 1,2-Dichloroethane-d4
 Concen: 61.55 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065049.D
 Acq: 03 Feb 2020 12:49

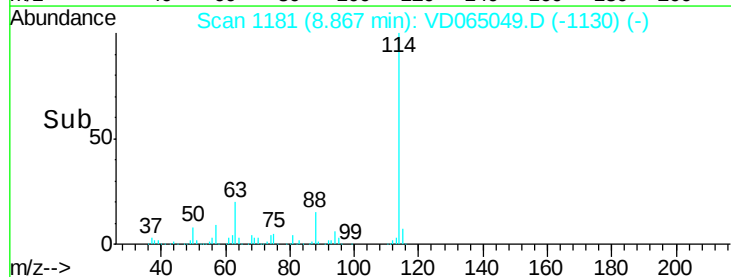
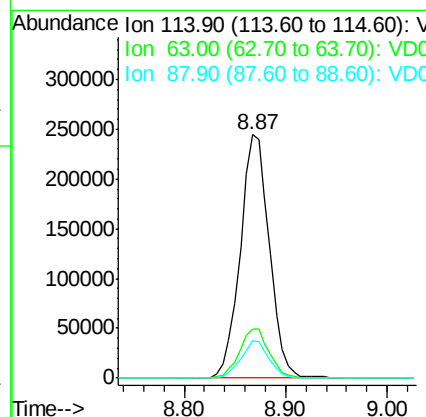
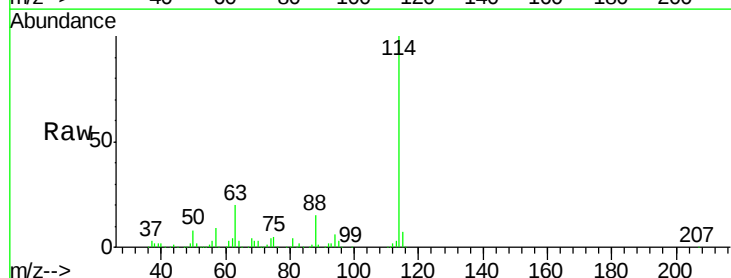
Instrument :
 MSVOA_D
 ClientSampleId :
 01-31-B

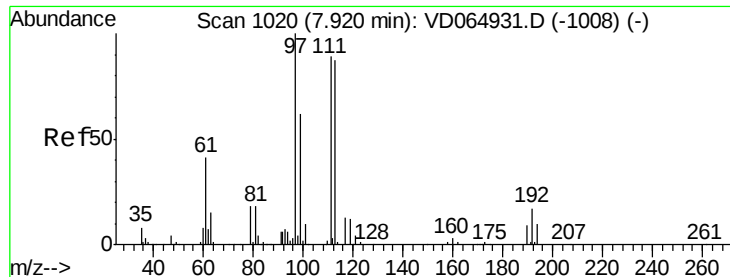
Tgt Ion: 65 Resp: 183157
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065049.D
 Acq: 03 Feb 2020 12:49

Tgt Ion: 114 Resp: 486376
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.0
 88 15.2 0.0 29.4

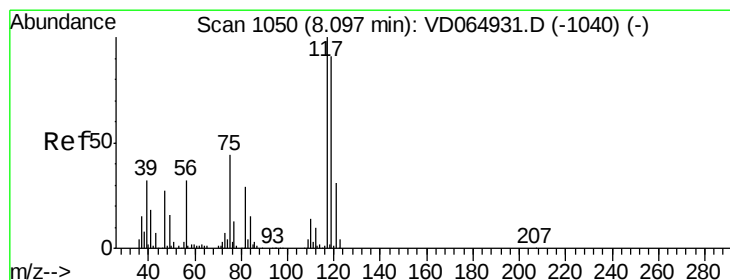
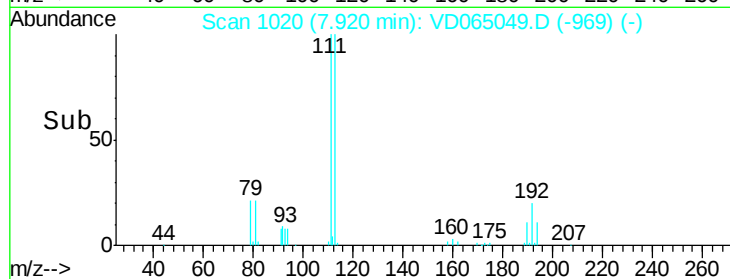
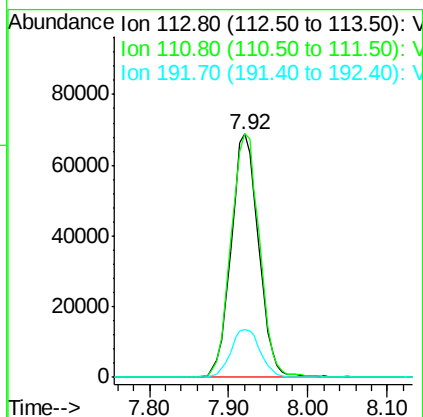
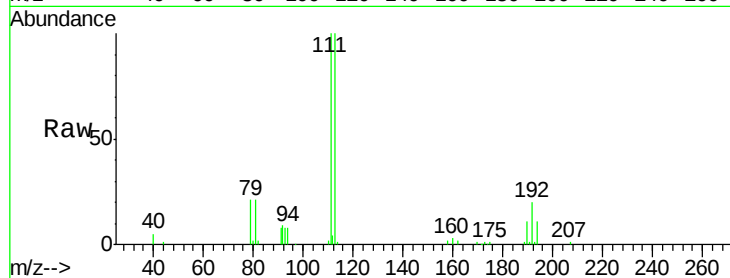




#35
 Dibromofluoromethane
 Concen: 54.07 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065049.D
 Acq: 03 Feb 2020 12:49

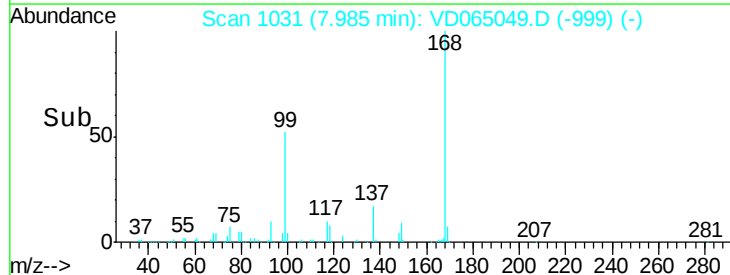
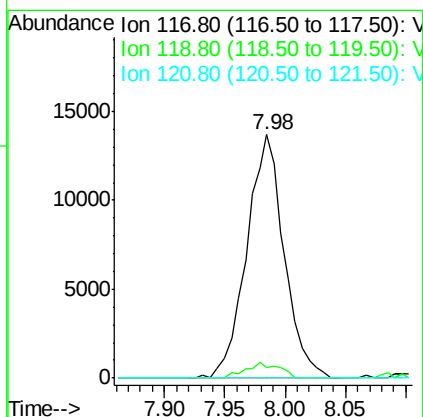
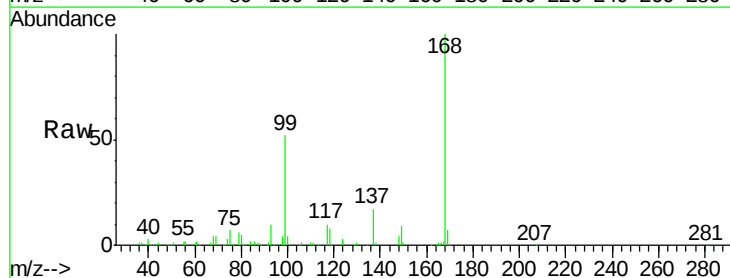
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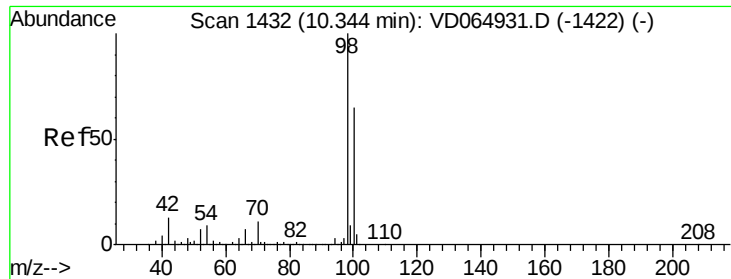
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	21.1	16.9	25.3



#38
 Carbon Tetrachloride
 Concen: 5.95 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065049.D
 Acq: 03 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	73.2	109.8#
121	0.0	24.4	36.6#

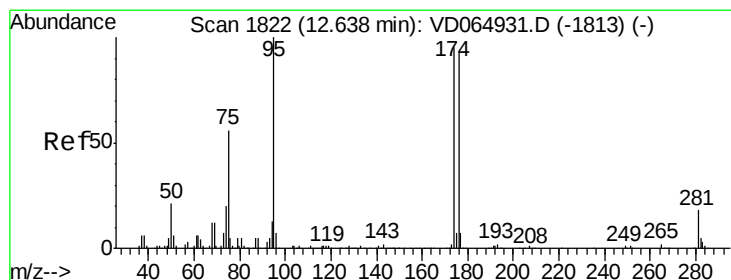
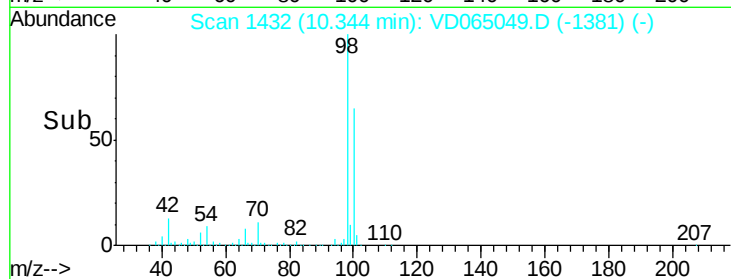
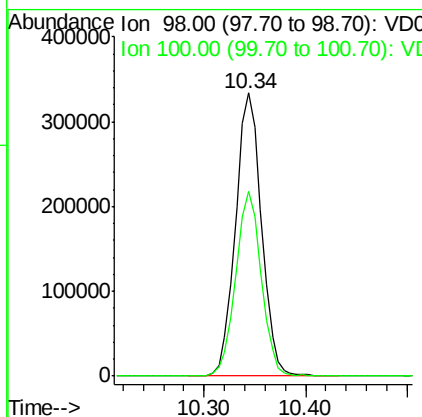
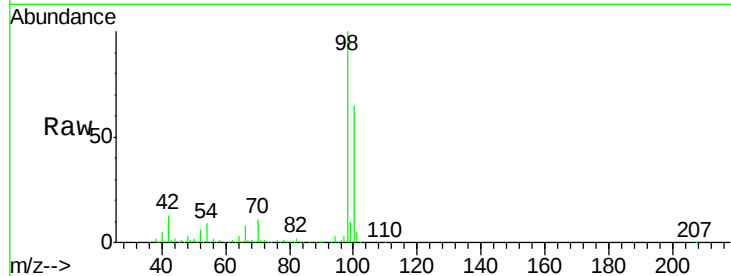




#50
Toluene-d8
Concen: 50.47 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065049.D
Acq: 03 Feb 2020 12:49

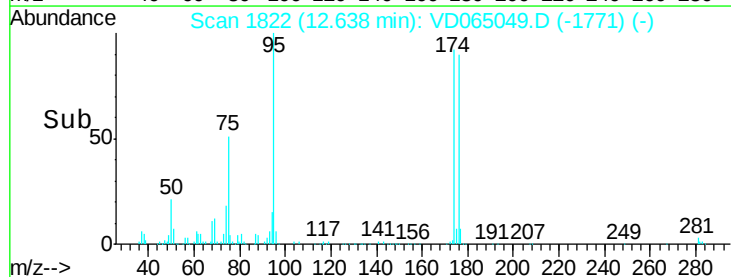
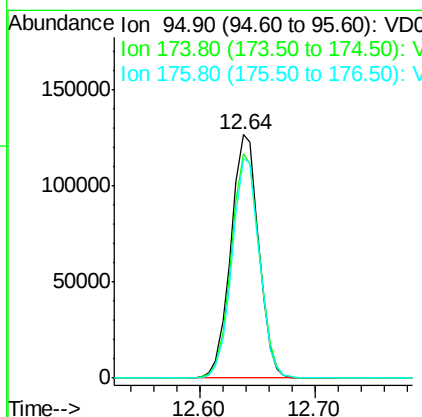
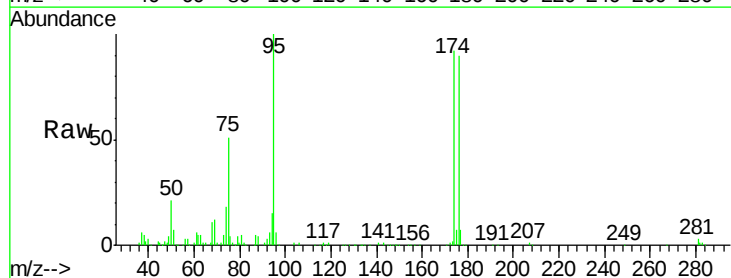
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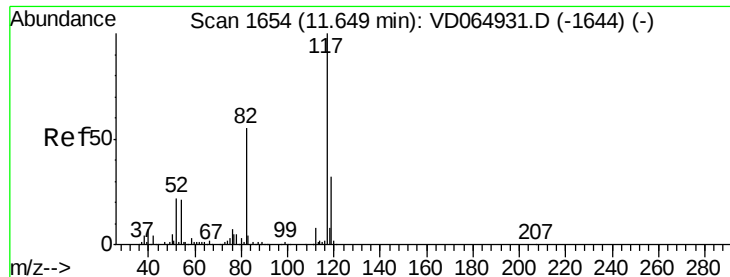
Tgt Ion: 98 Resp: 595416
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 58.65 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065049.D
Acq: 03 Feb 2020 12:49

Tgt Ion: 95 Resp: 211720
Ion Ratio Lower Upper
95 100
174 93.0 0.0 186.8
176 88.5 0.0 183.4

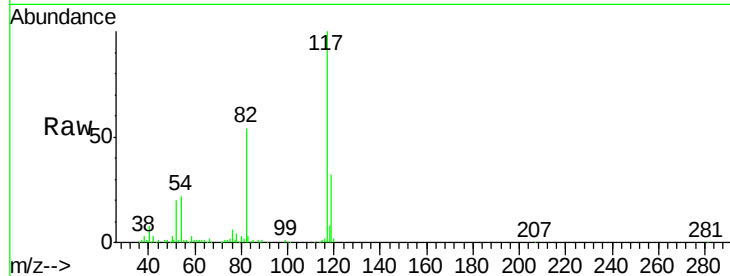




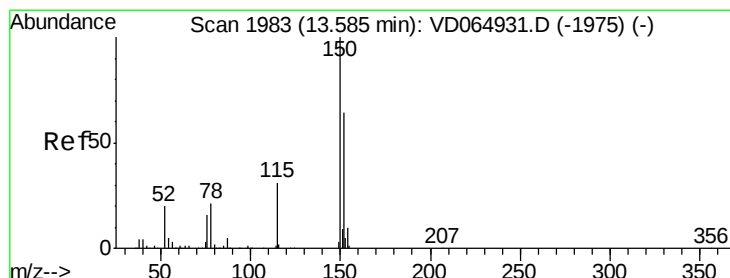
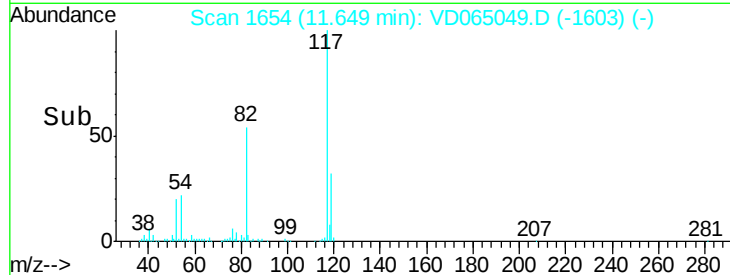
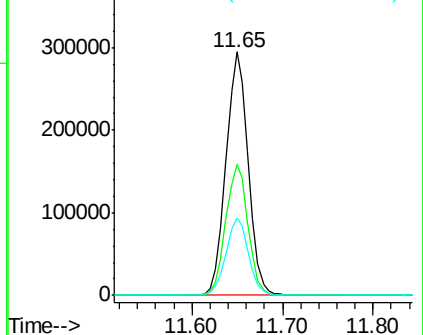
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065049.D
Acq: 03 Feb 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
01-31-B

Tgt Ion:117 Resp: 499937
Ion Ratio Lower Upper
117 100
82 53.6 43.6 65.4
119 31.9 25.2 37.8

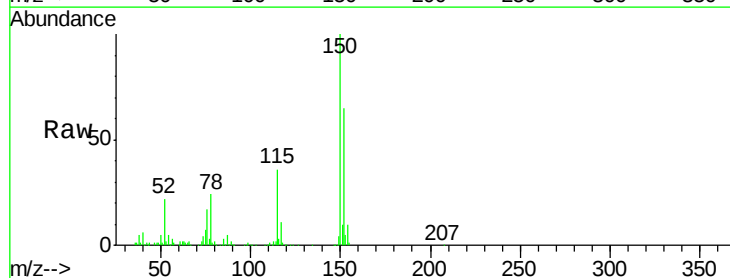


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

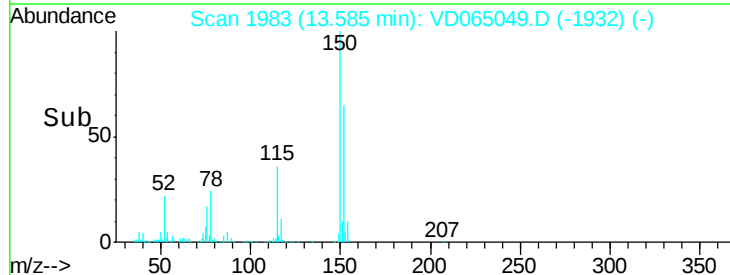
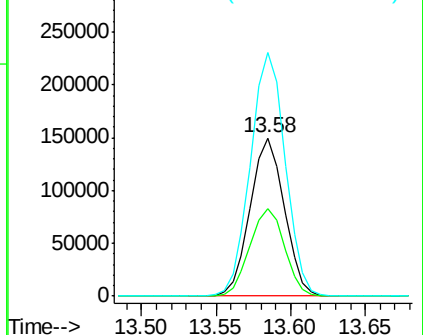


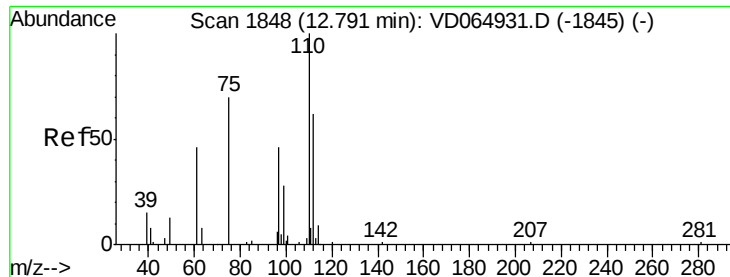
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065049.D
Acq: 03 Feb 2020 12:49

Tgt Ion:152 Resp: 238250
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.4
150 156.2 0.0 350.4



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: 55.88 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065049.D

Acq: 03 Feb 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

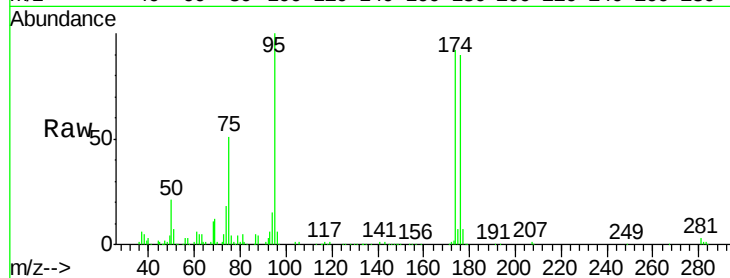
01-31-B

Tgt Ion: 75 Resp: 110510

Ion Ratio Lower Upper

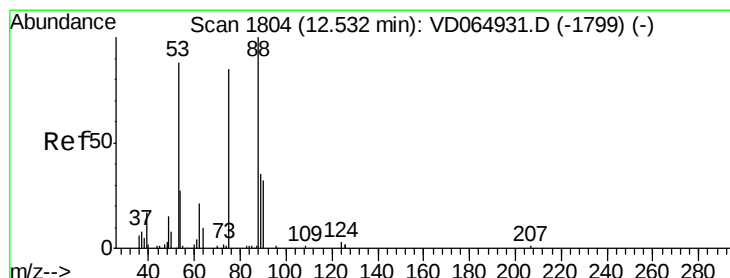
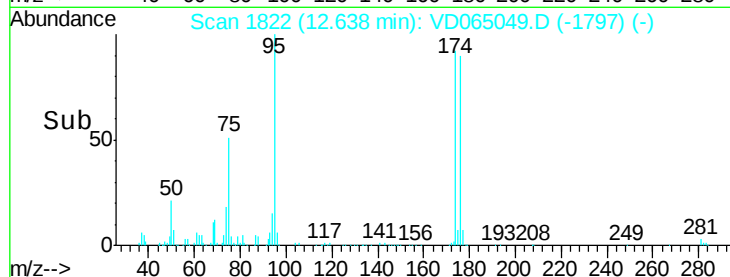
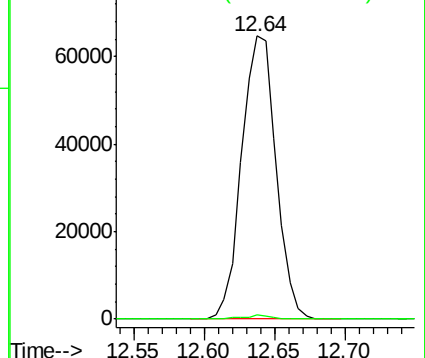
75 100

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: 119.32 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065049.D

Acq: 03 Feb 2020 12:49

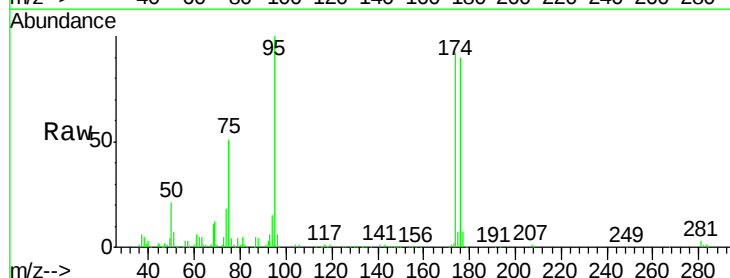
Tgt Ion: 75 Resp: 110510

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.4#

89 0.1 36.2 54.4#



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

