

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012920\
 Data File : VD064992.D
 Acq On : 29 Jan 2020 12:57
 Operator : VA/SY
 Sample : L1289-01
 Misc : 7.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-26-27

Quant Time: Jan 29 15:37:02 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	91001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	140705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	147106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	69398	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	64703	74.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.24%	
35) Dibromofluoromethane	7.93	113	53499	60.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.00%	
50) Toluene-d8	10.34	98	172106	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.64	95	59494	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	

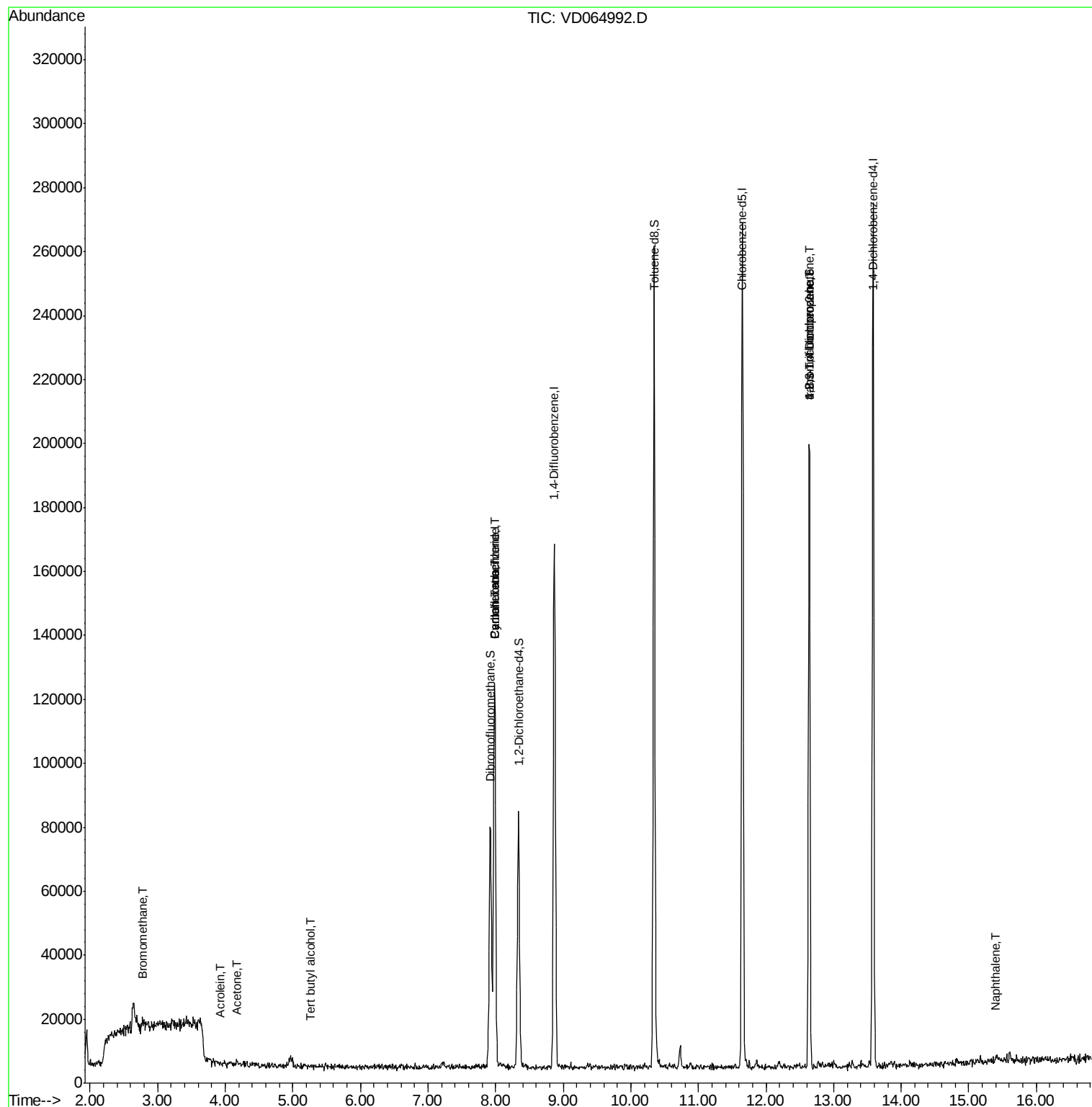
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	1291	1.66	ug/l #	77
11) Tert butyl alcohol	5.27	59	72	1.49	ug/l #	74
13) Acrolein	3.93	56	75	1.24	ug/l	100
16) Acetone	4.17	43	1270	18.74	ug/l #	45
20) Methylene Chloride	4.97	84	2138	Below Cal	#	78
31) Cyclohexane	7.98	56	2567	1.69	ug/l #	54
38) Carbon Tetrachloride	7.98	117	8958	6.25	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	31514	54.71	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	31514	116.82	ug/l #	9
95) Naphthalene	15.41	128	2111	1.00	ug/l #	94

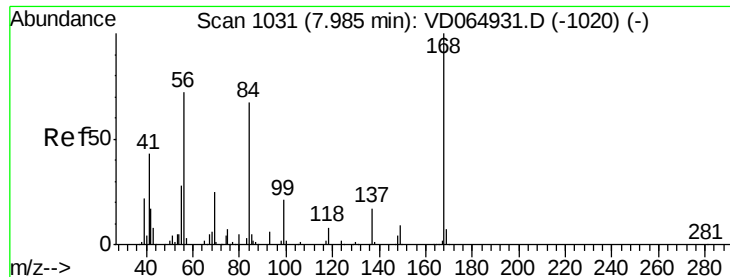
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD012920\
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Quant Time: Jan 29 15:37:02 2020
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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: VD064992.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

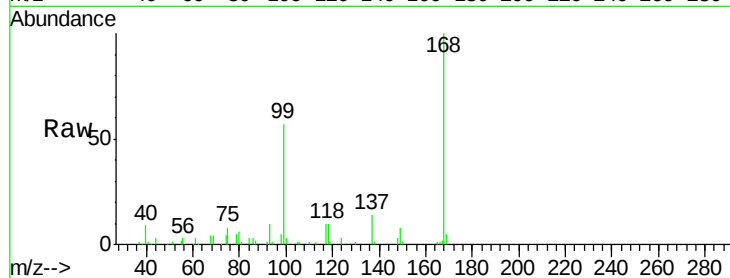
TP-26-27

Tgt Ion:168 Resp: 91001

Ion Ratio Lower Upper

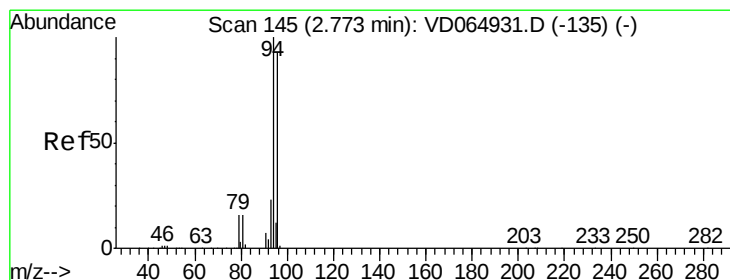
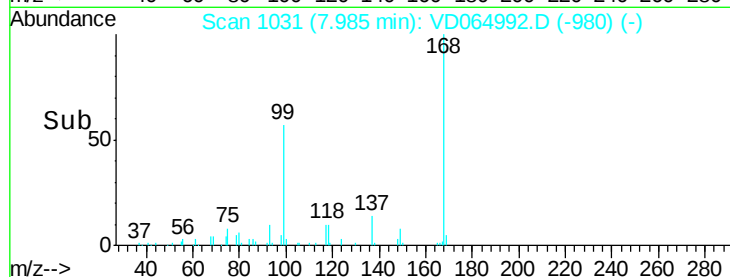
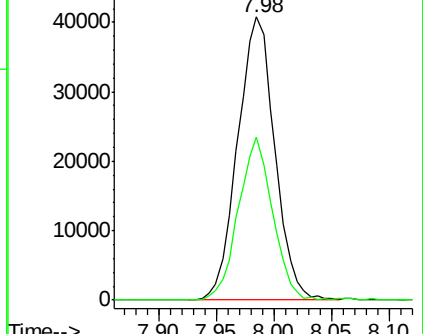
168 100

99 57.4 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.66 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD064992.D

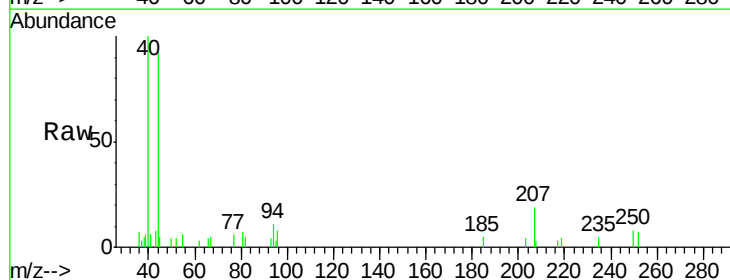
Acq: 29 Jan 2020 12:57

Tgt Ion: 94 Resp: 1291

Ion Ratio Lower Upper

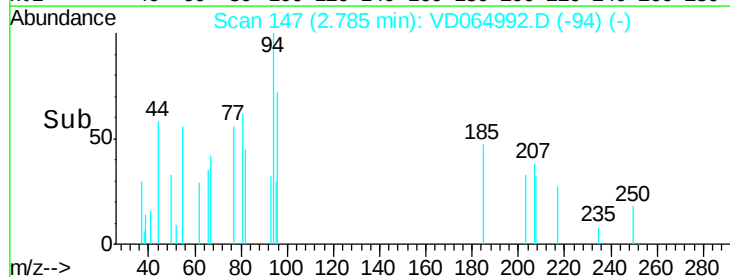
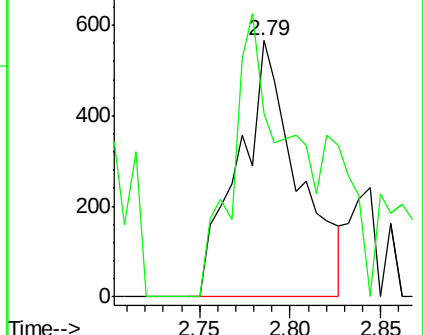
94 100

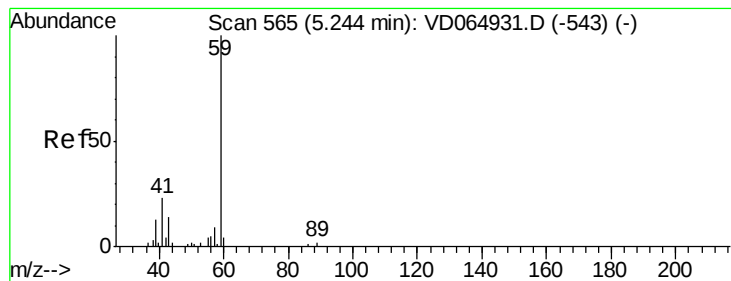
96 71.6 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#11

Tert butyl alcohol

Concen: 1.49 ug/l

RT: 5.27 min Scan# 569

Delta R.T. 0.02 min

Lab File: VD064992.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

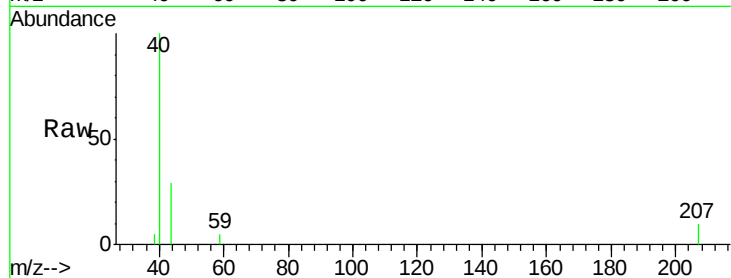
TP-26-27

Tgt Ion: 59 Resp: 72

Ion Ratio Lower Upper

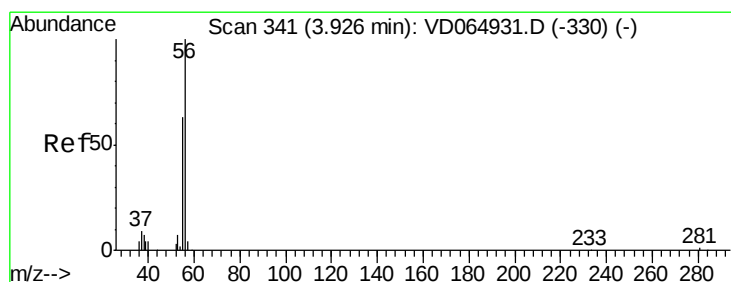
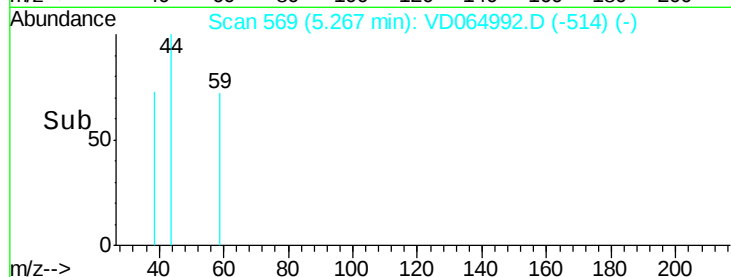
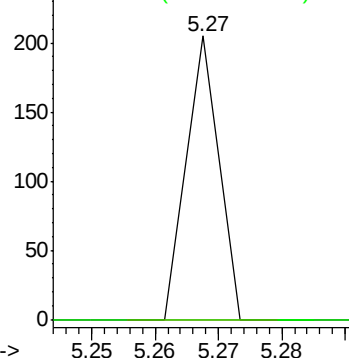
59 100

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



#13

Acrolein

Concen: 1.24 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064992.D

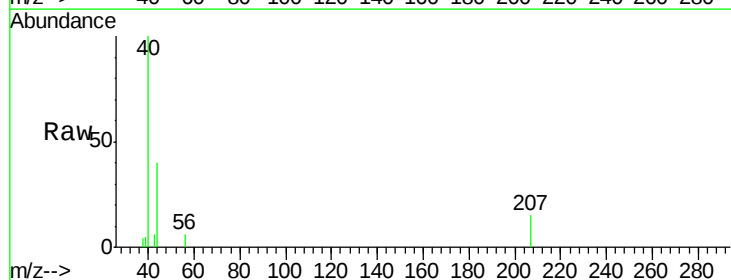
Acq: 29 Jan 2020 12:57

Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

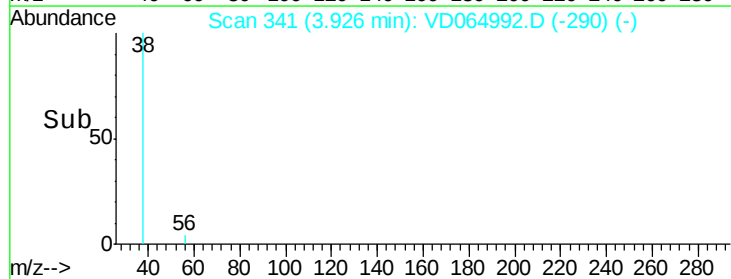
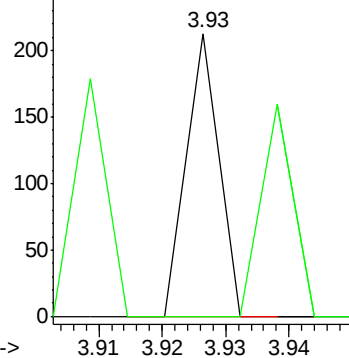
56 100

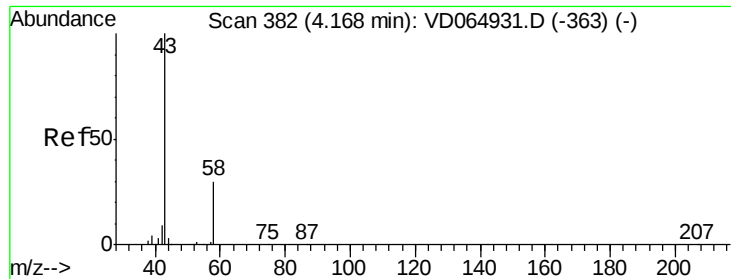
55 74.7 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 18.74 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064992.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

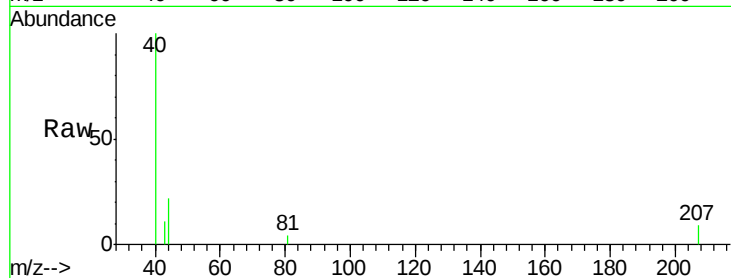
TP-26-27

Tgt Ion: 43 Resp: 1270

Ion Ratio Lower Upper

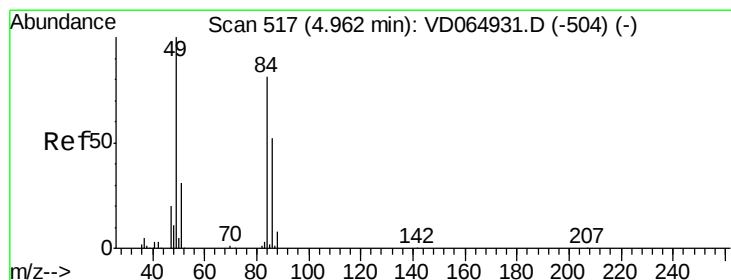
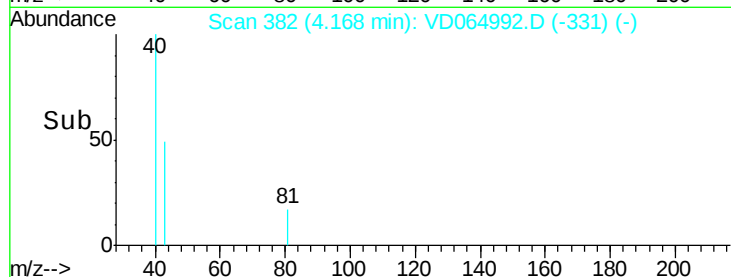
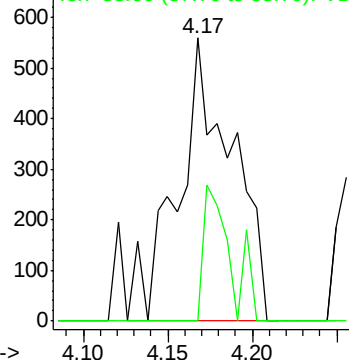
43 100

58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064992.D

Acq: 29 Jan 2020 12:57

Tgt Ion: 84 Resp: 2138

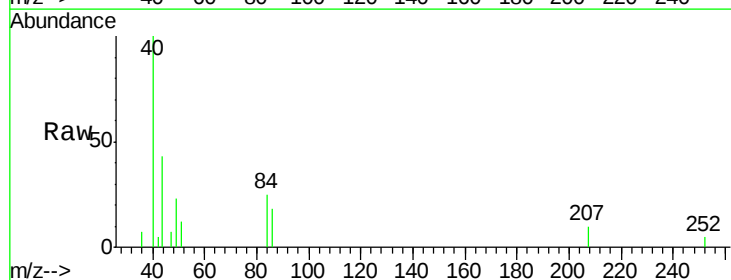
Ion Ratio Lower Upper

84 100

49 91.7 98.4 147.6#

51 50.4 30.8 46.2#

86 74.2 51.0 76.6

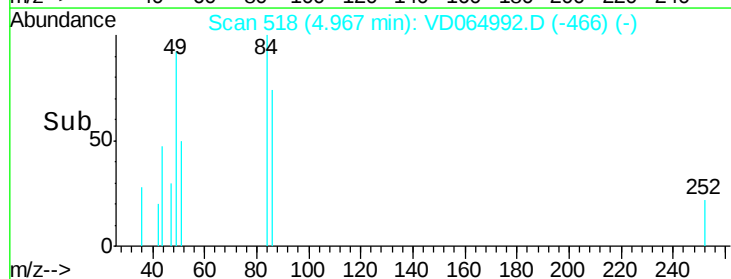
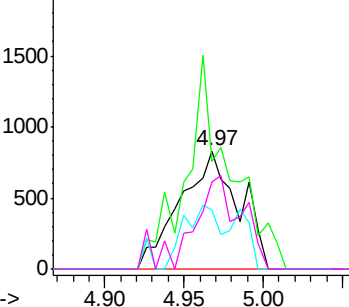


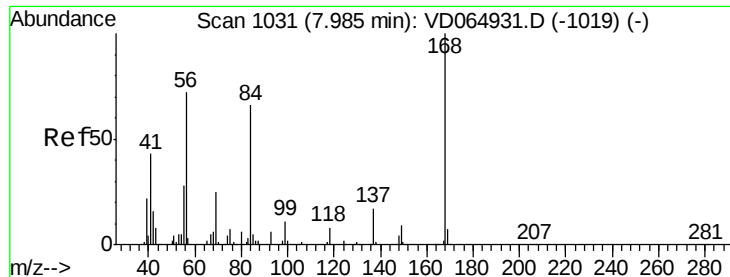
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

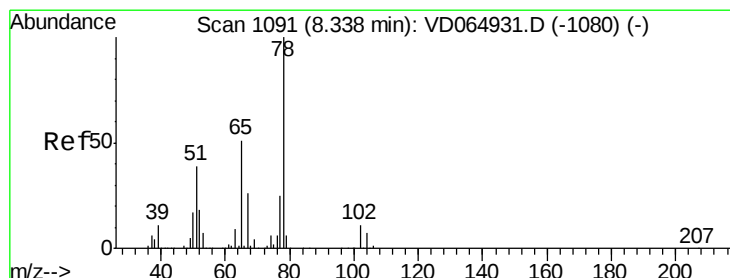
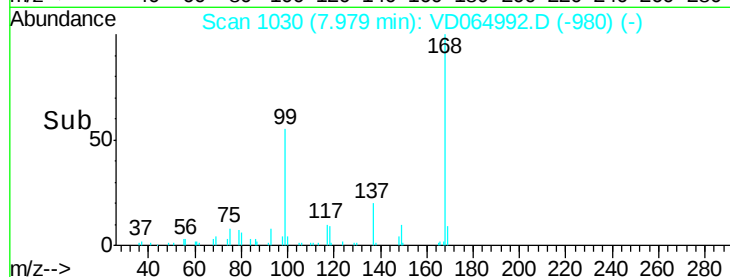
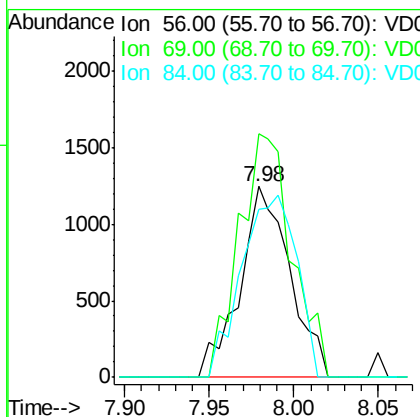
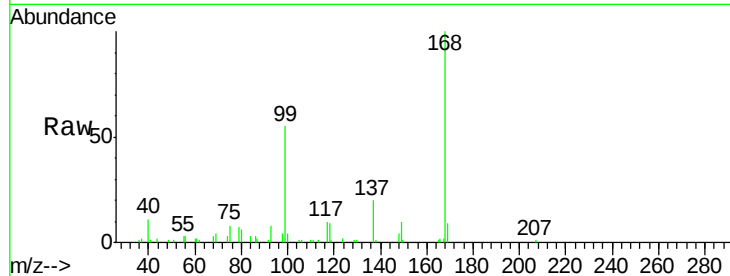




#31
Cyclohexane
Concen: 1.69 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064992.D
Acq: 29 Jan 2020 12:57

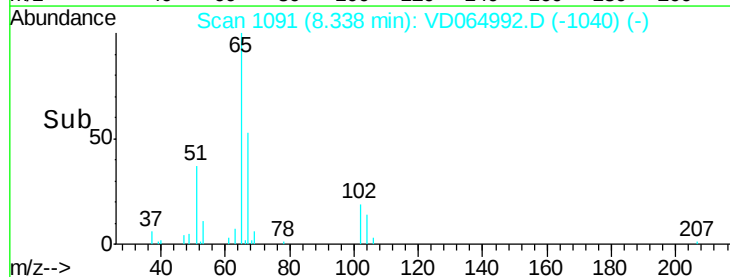
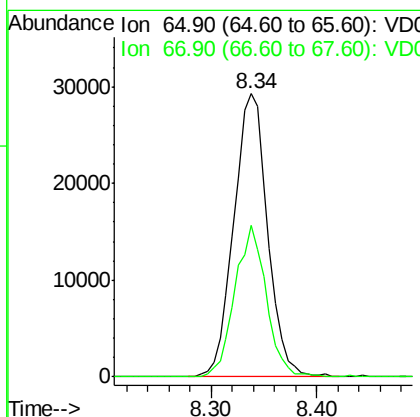
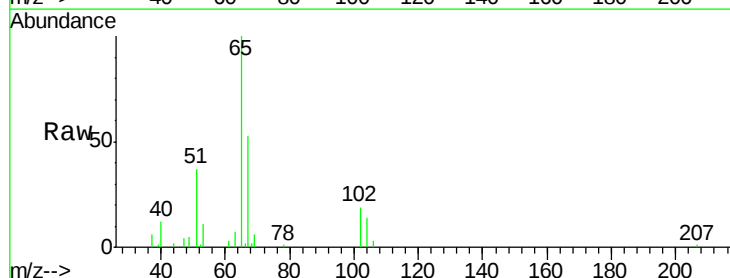
Instrument :
MSVOA_D
ClientSampleId :
TP-26-27

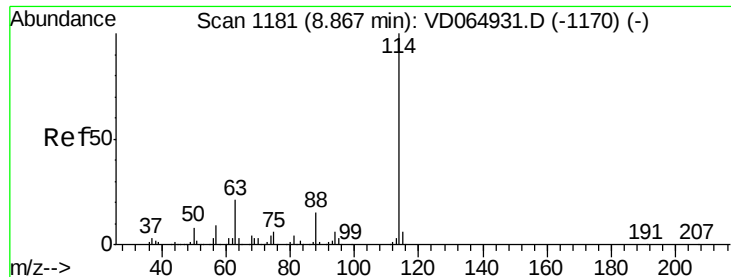
Tgt Ion: 56 Resp: 2567
Ion Ratio Lower Upper
56 100
69 127.6 27.9 41.9#
84 88.3 72.8 109.2



#33
1,2-Dichloroethane-d4
Concen: 74.12 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064992.D
Acq: 29 Jan 2020 12:57

Tgt Ion: 65 Resp: 64703
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.6

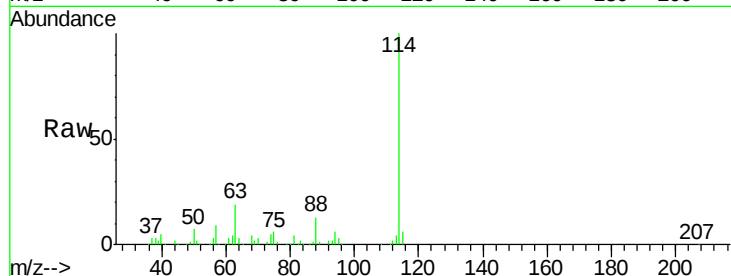




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064992.D
 Acq: 29 Jan 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-26-27

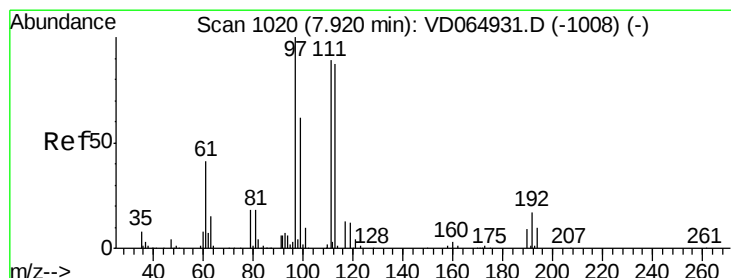
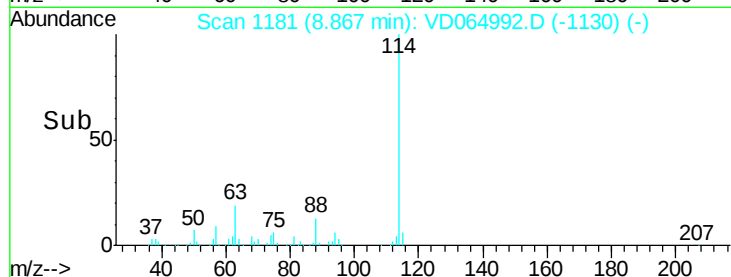
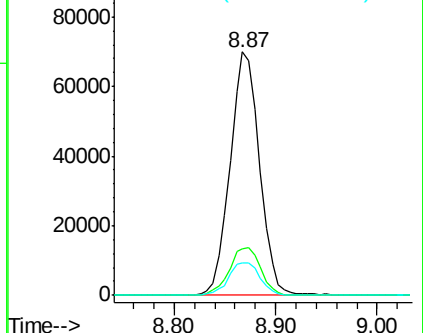
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.0
88	13.5	0.0	29.4



Abundance Ion 113.90 (113.60 to 114.60): V

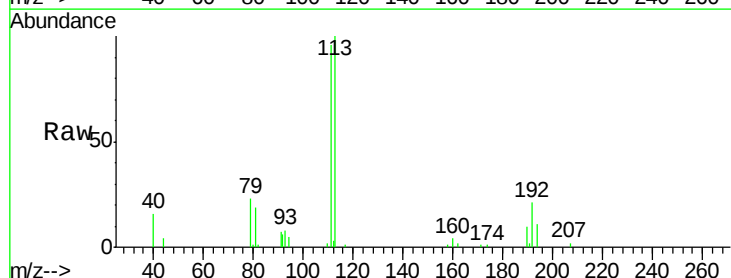
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 60.50 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064992.D
 Acq: 29 Jan 2020 12:57

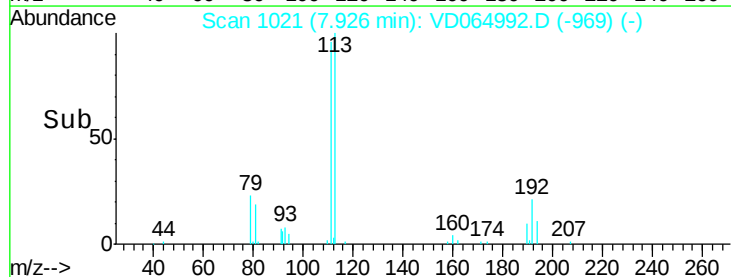
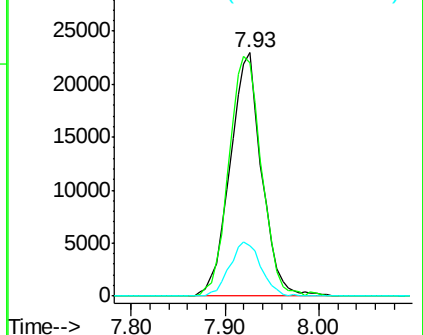
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.4	123.6
192	21.9	16.9	25.3

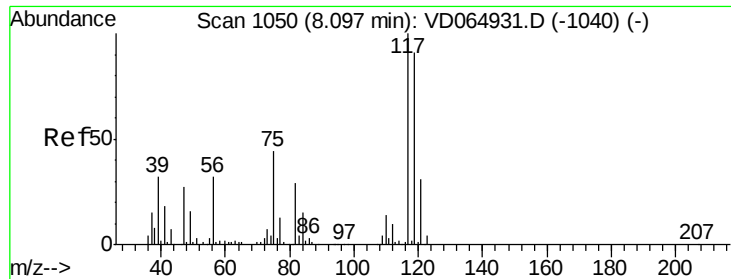


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

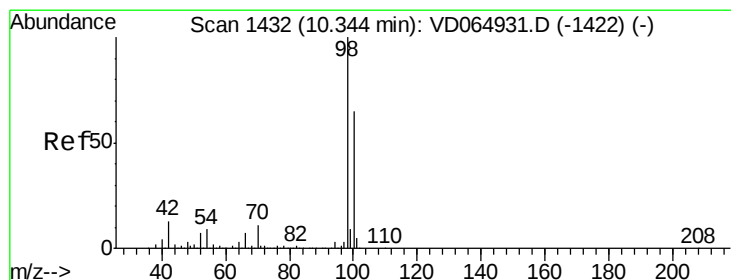
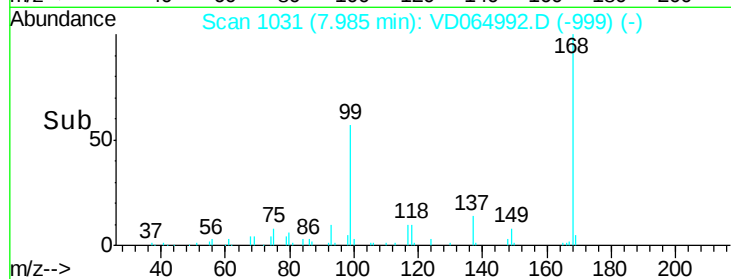
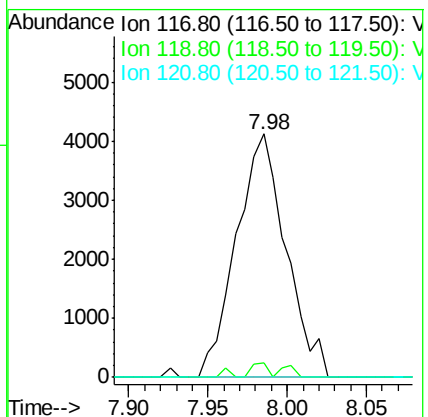
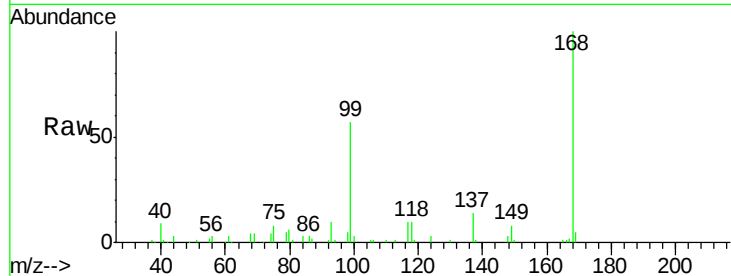




#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064992.D
Acq: 29 Jan 2020 12:57

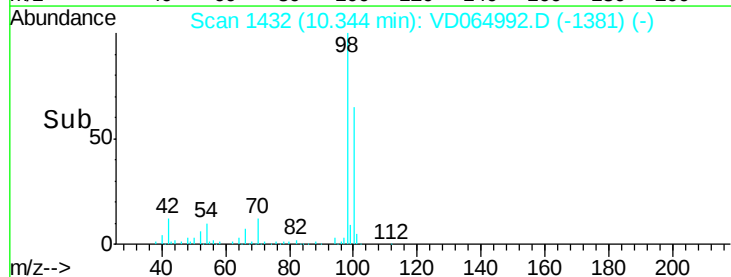
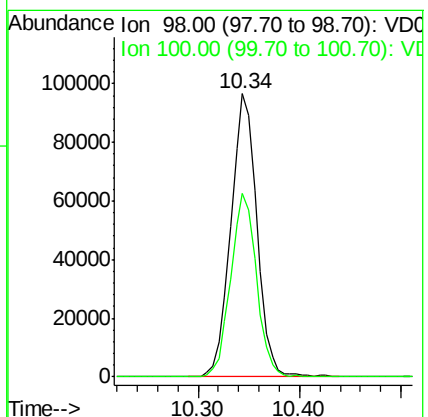
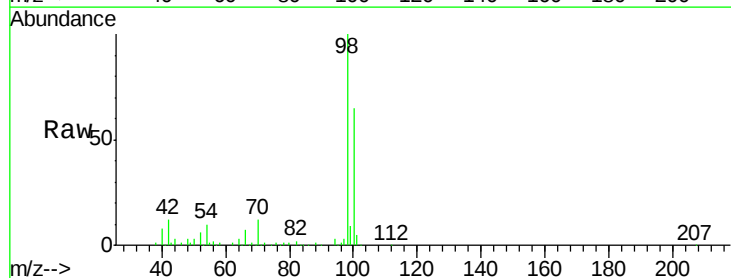
Instrument :
MSVOA_D
ClientSampleId :
TP-26-27

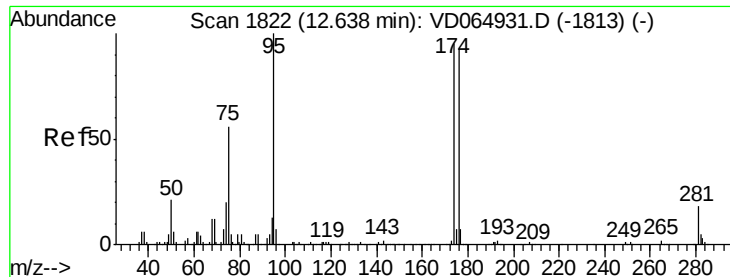
Tgt Ion: 117 Resp: 8958
Ion Ratio Lower Upper
117 100
119 5.9 73.2 109.8#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.43 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064992.D
Acq: 29 Jan 2020 12:57

Tgt Ion: 98 Resp: 172106
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 56.97 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064992.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

TP-26-27

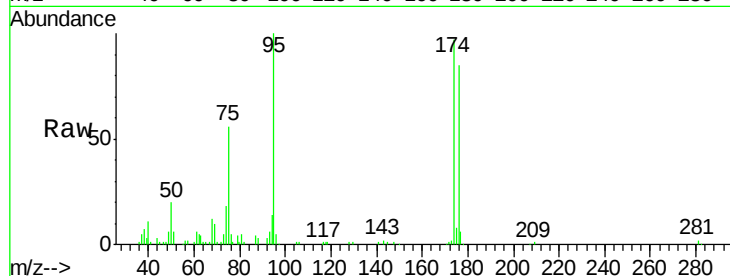
Tgt Ion: 95 Resp: 59494

Ion Ratio Lower Upper

95 100

174 96.0 0.0 186.8

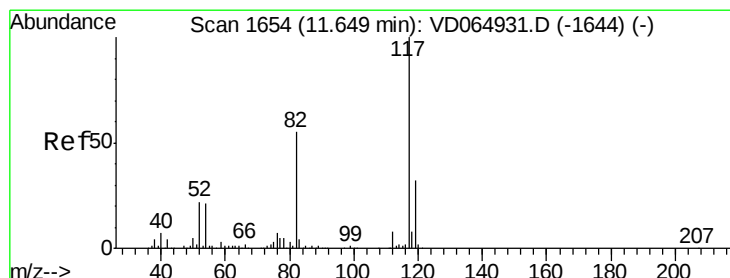
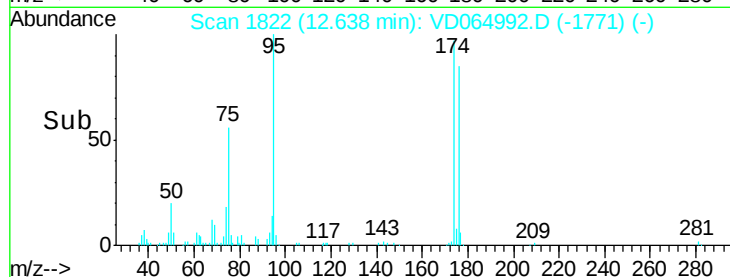
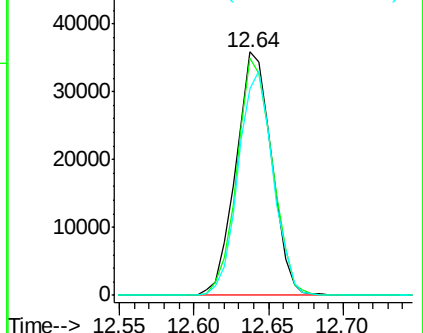
176 89.7 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064992.D

Acq: 29 Jan 2020 12:57

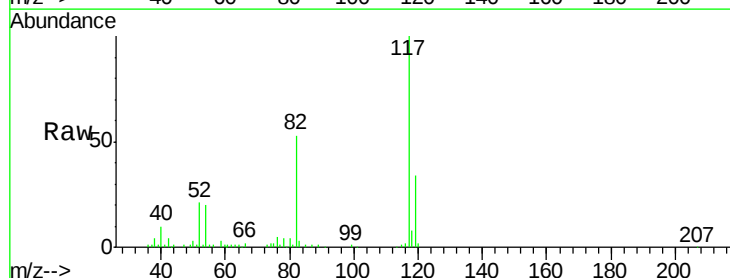
Tgt Ion: 117 Resp: 147106

Ion Ratio Lower Upper

117 100

82 53.0 43.6 65.4

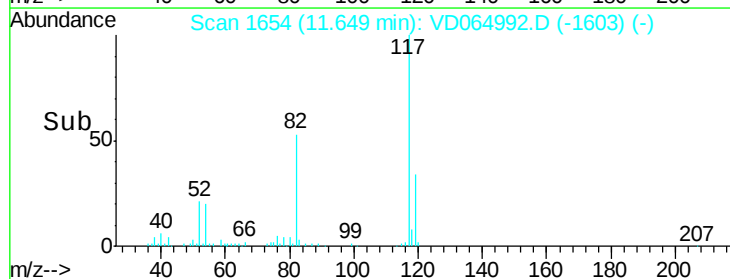
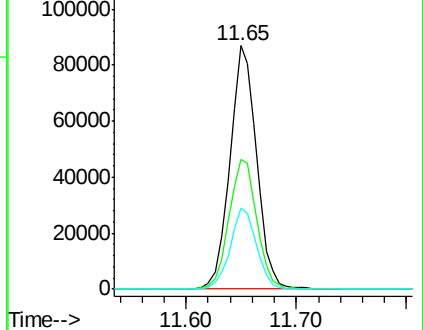
119 33.5 25.2 37.8

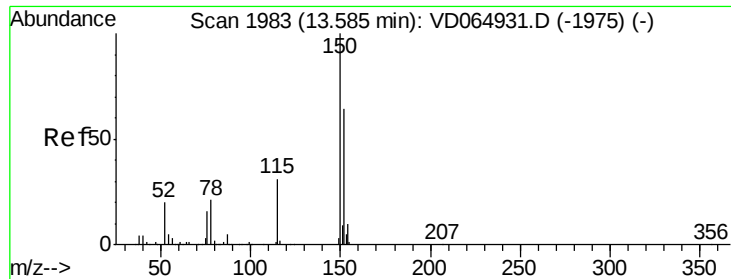


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064992.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

TP-26-27

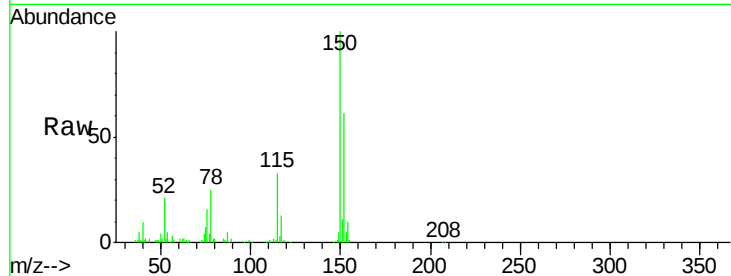
Tgt Ion:152 Resp: 69398

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.4

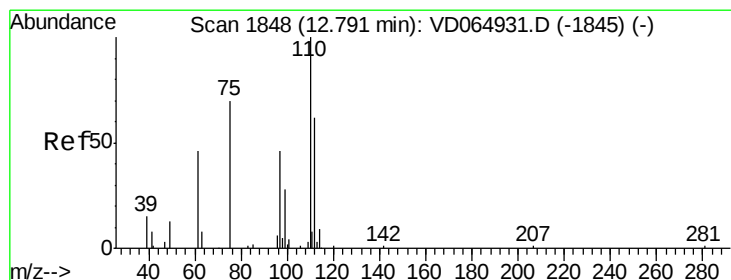
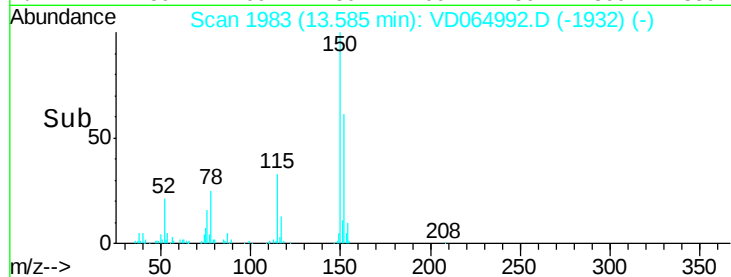
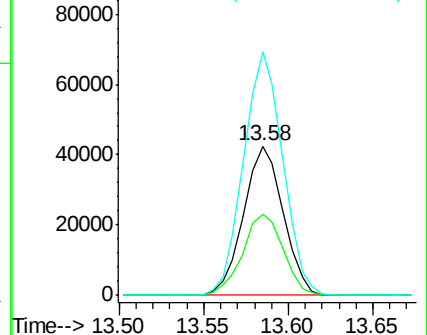
150 161.6 0.0 350.4



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: 54.71 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064992.D

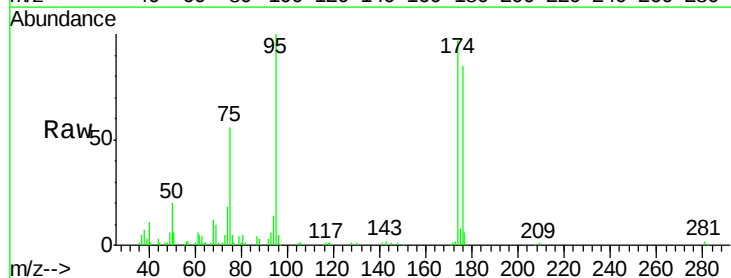
Acq: 29 Jan 2020 12:57

Tgt Ion: 75 Resp: 31514

Ion Ratio Lower Upper

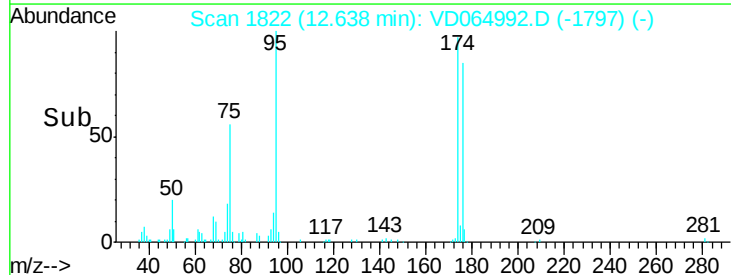
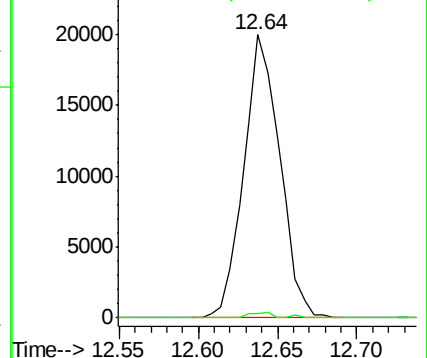
75 100

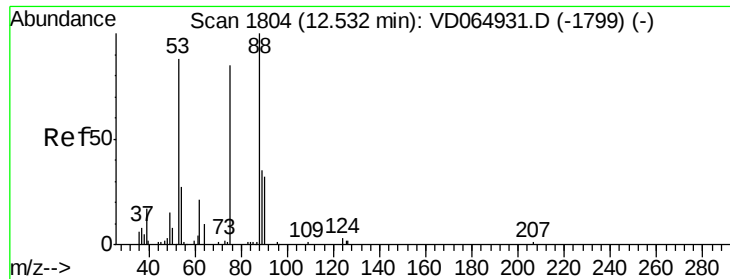
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

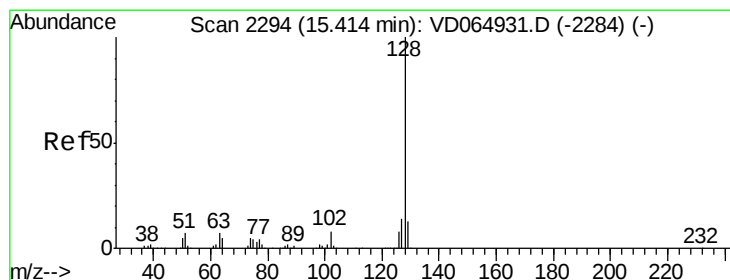
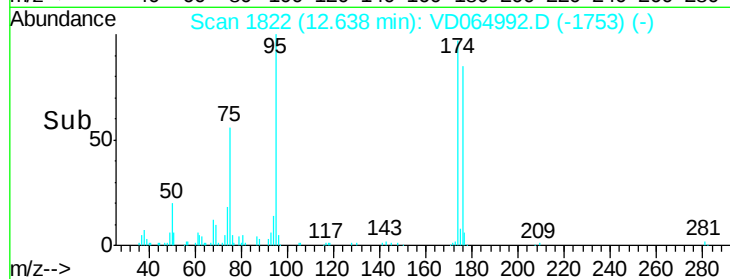
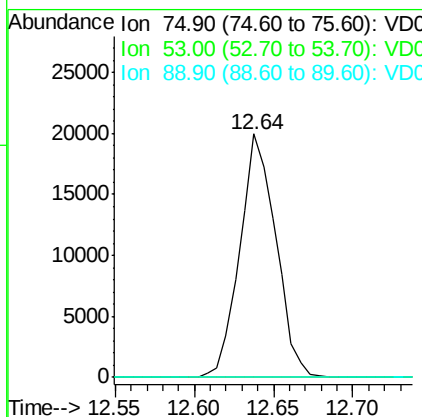
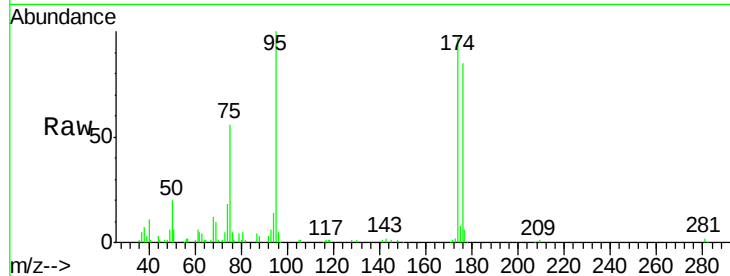




#81
trans-1,4-Dichloro-2-butene
Concen: 116.82 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064992.D
Acq: 29 Jan 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
TP-26-27

Tgt Ion: 75 Resp: 31514
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 1.00 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064992.D
Acq: 29 Jan 2020 12:57

Tgt Ion: 128 Resp: 2111
Ion Ratio Lower Upper
128 100
127 9.0 10.6 15.8#
129 11.6 9.3 13.9

