

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064662.D
 Acq On : 28 Dec 2019 01:19
 Operator : VA/SY
 Sample : K6441-03
 Misc : 6.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 K321-SB-03

Quant Time: Dec 30 01:03:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	360835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	557010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	502025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255465	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	196074	61.62	ug/l	0.00
Spiked Amount			Recovery	=	123.24%	
35) Dibromofluoromethane	7.92	113	180198	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
50) Toluene-d8	10.34	98	662627	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.64	95	224280	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	

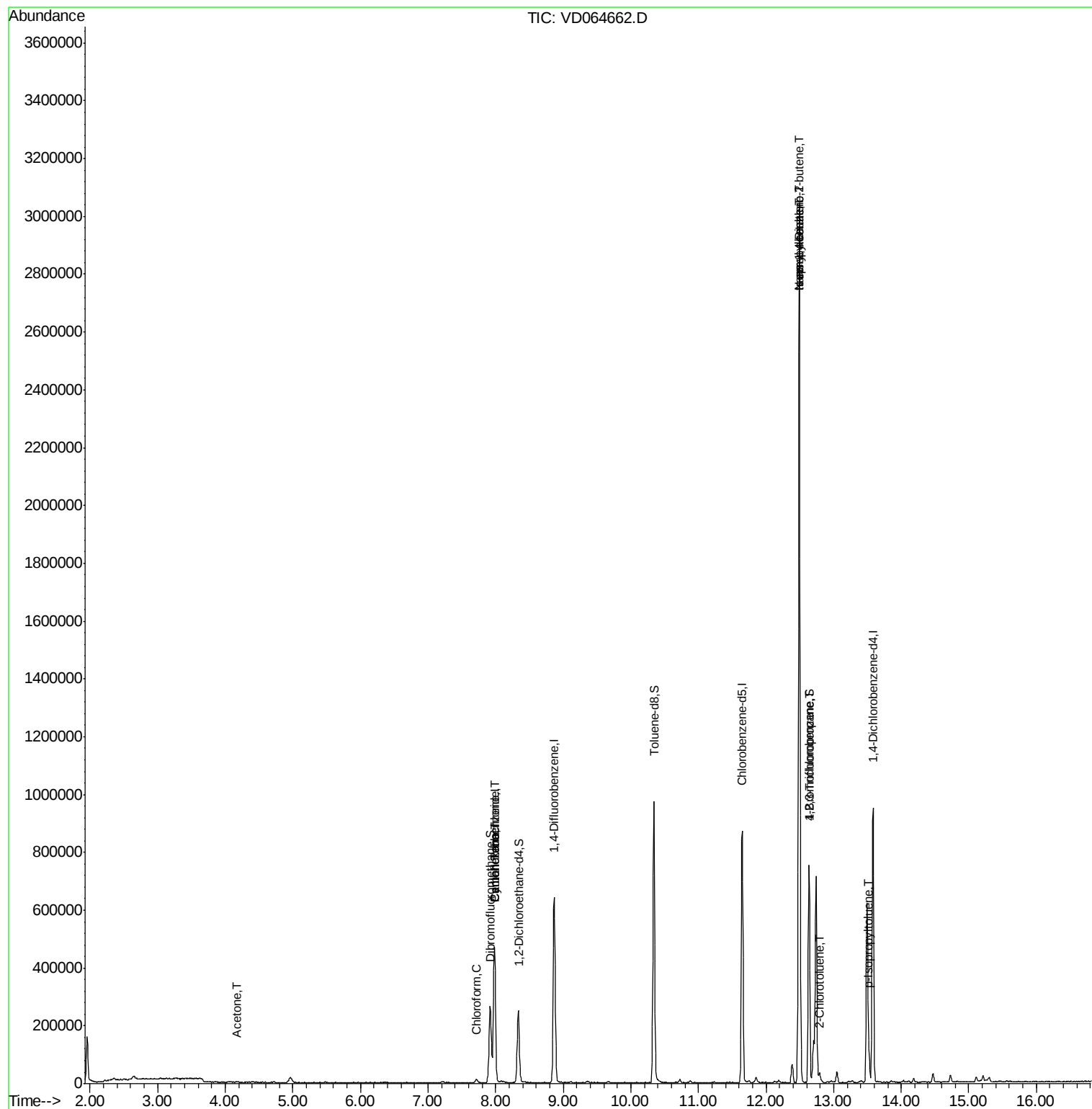
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	3732	9.092	ug/l #	67
20) Methylene Chloride	4.97	84	11903	Below Cal		94
30) Chloroform	7.71	83	8758	1.408	ug/l	91
31) Cyclohexane	7.98	56	9273	1.563	ug/l #	28
38) Carbon Tetrachloride	7.99	117	34587	6.050	ug/l #	16
73) Isopropylbenzene	12.49	105	125836	6.893	ug/l #	65
74) N-amyl acetate	12.49	43	59714	15.301	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	118374	58.679	ug/l #	100
79) 2-Chlorotoluene	12.80	91	18756	1.603	ug/l #	39
81) trans-1,4-Dichloro-2-buten	12.49	75	4830	5.008	ug/l #	1
86) p-Isopropyltoluene	13.52	119	69593	4.077	ug/l #	77

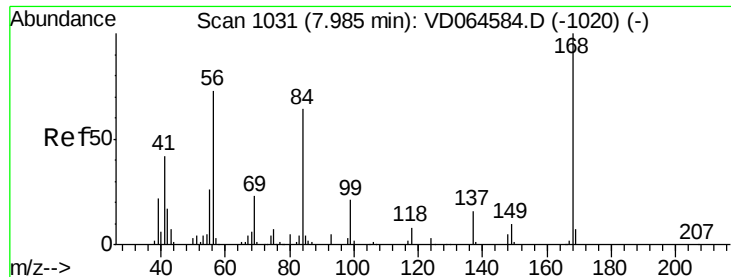
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064662.D

Acq: 28 Dec 2019 01:19

Instrument :

MSVOA_D

ClientSampleId :

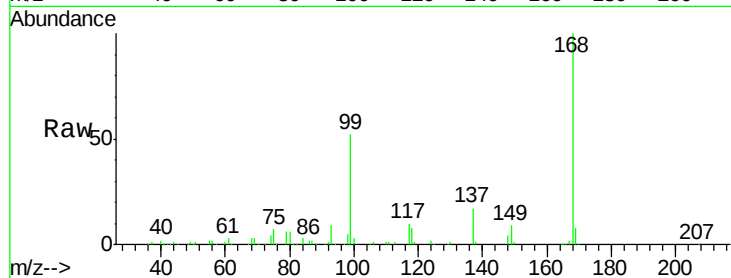
K321-SB-03

Tgt Ion:168 Resp: 360835

Ion Ratio Lower Upper

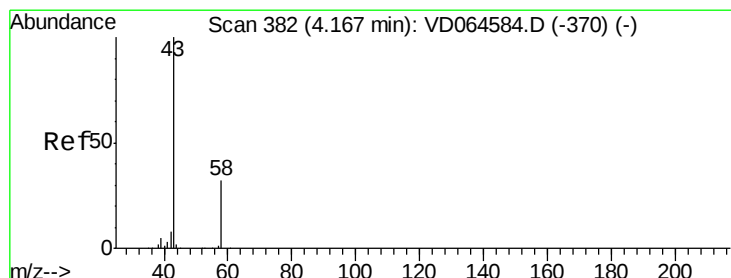
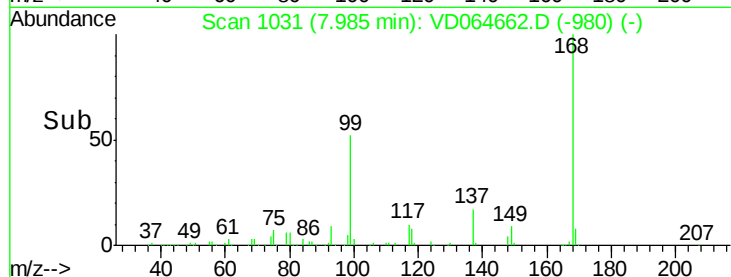
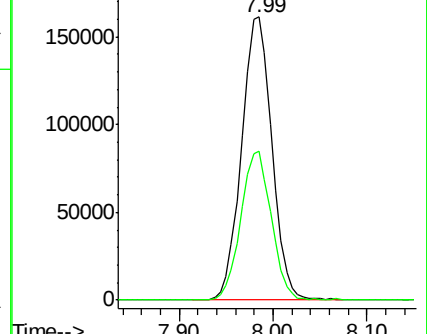
168 100

99 52.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 9.092 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064662.D

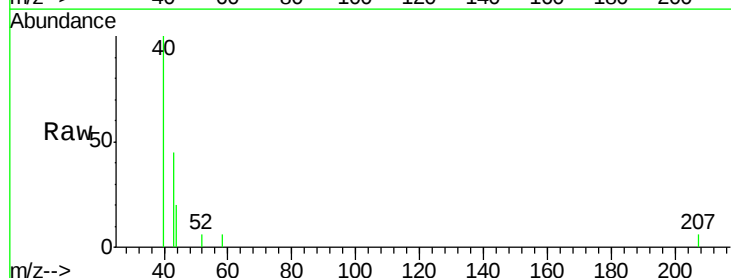
Acq: 28 Dec 2019 01:19

Tgt Ion: 43 Resp: 3732

Ion Ratio Lower Upper

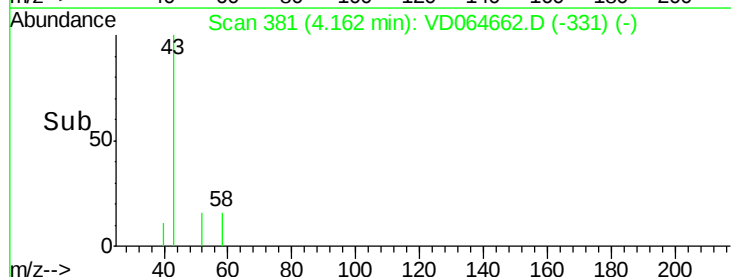
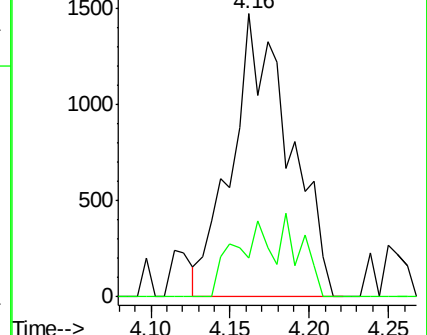
43 100

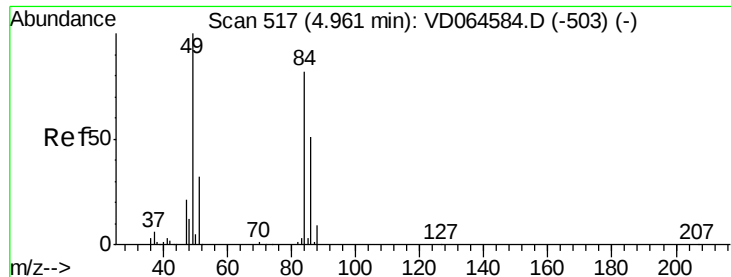
58 13.9 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

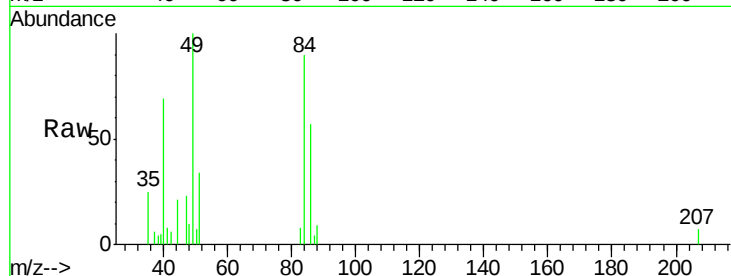




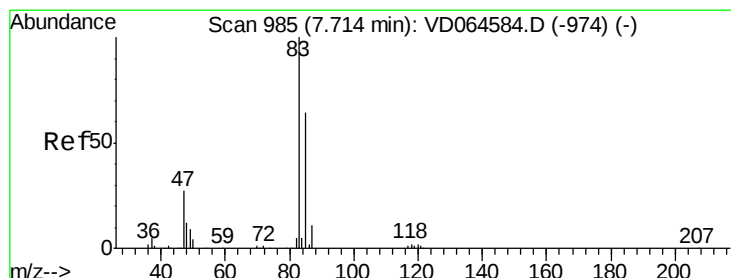
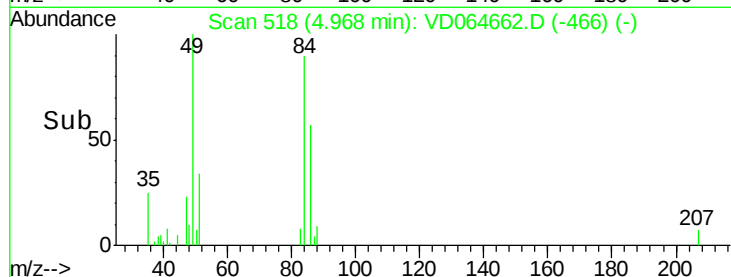
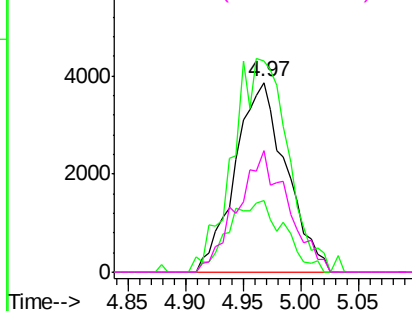
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064662.D
Acq: 28 Dec 2019 01:19

Instrument :
MSVOA_D
ClientSampleId :
K321-SB-03

Tgt Ion: 84 Resp: 11903
Ion Ratio Lower Upper
84 100
49 111.5 97.2 145.8
51 38.1 31.4 47.0
86 64.0 49.3 73.9

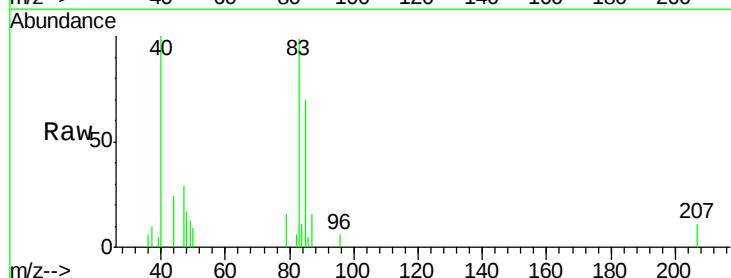


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

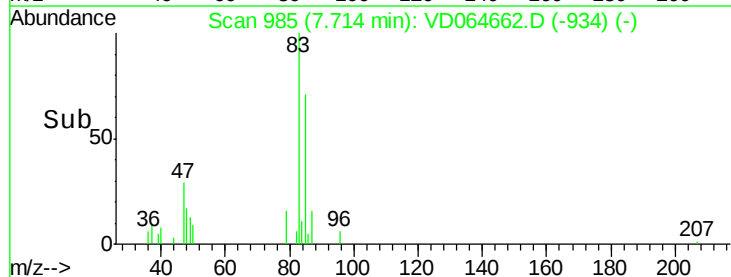
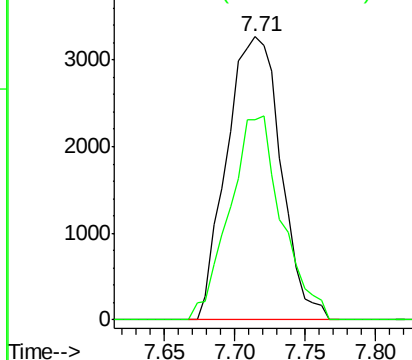


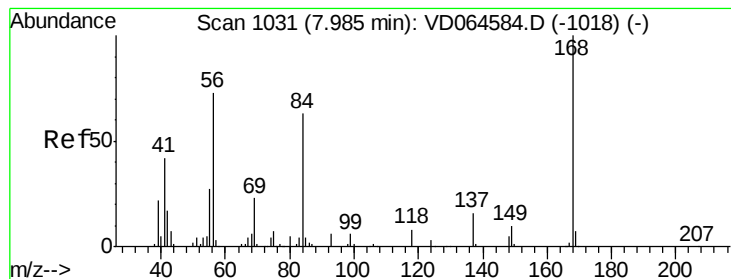
#30
Chloroform
Concen: 1.408 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064662.D
Acq: 28 Dec 2019 01:19

Tgt Ion: 83 Resp: 8758
Ion Ratio Lower Upper
83 100
85 70.9 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 1.563 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064662.D

Acq: 28 Dec 2019 01:19

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03

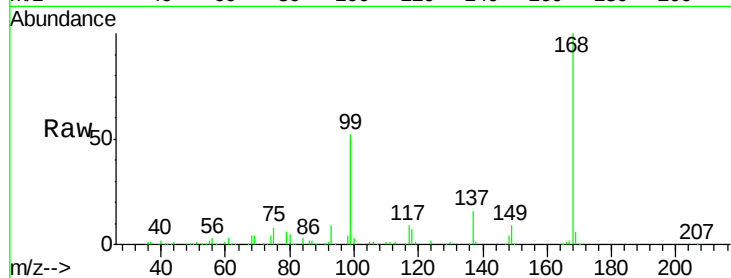
Tgt Ion: 56 Resp: 9273

Ion Ratio Lower Upper

56 100

69 131.7 24.7 37.1#

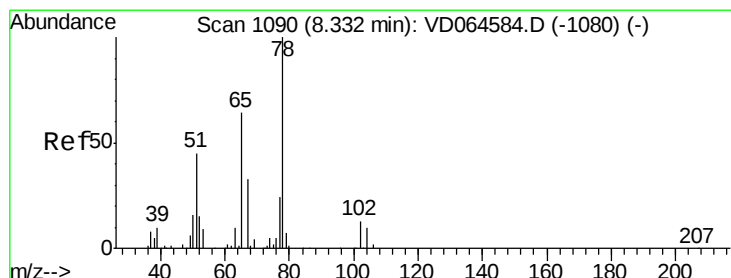
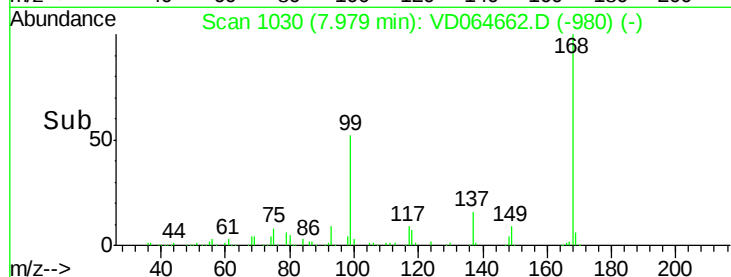
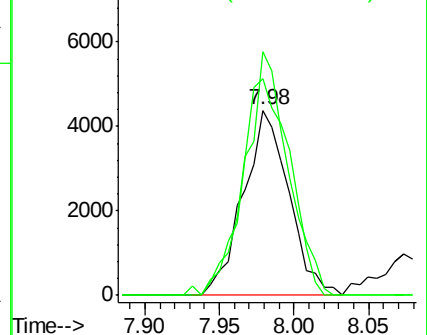
84 117.0 69.4 104.2#



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: 61.624 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064662.D

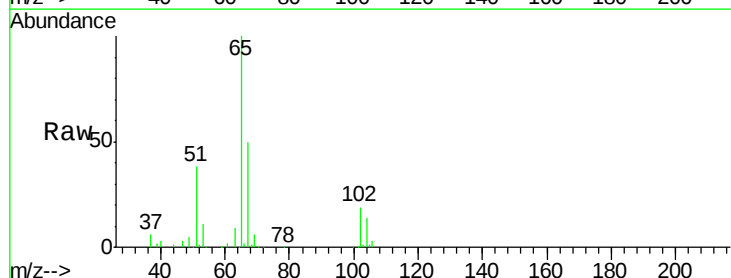
Acq: 28 Dec 2019 01:19

Tgt Ion: 65 Resp: 196074

Ion Ratio Lower Upper

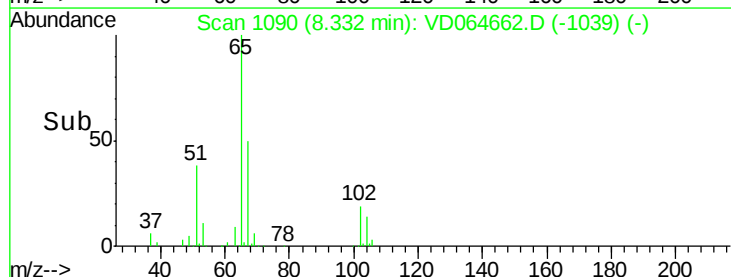
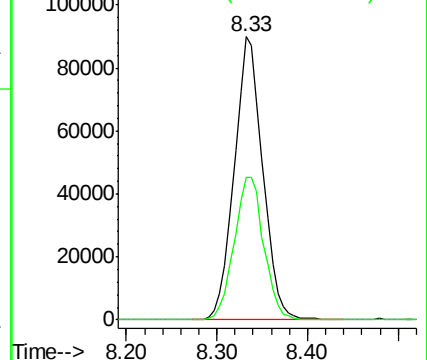
65 100

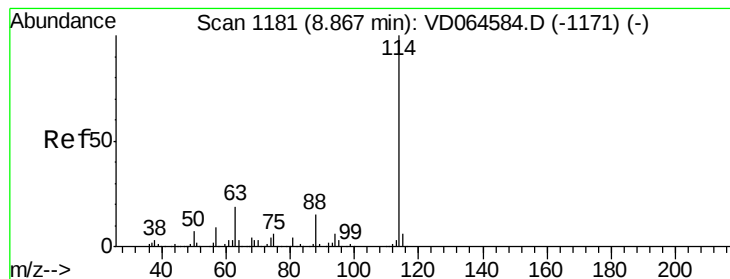
67 52.3 0.0 106.2



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: VD064662.D

Acq: 28 Dec 2019 01:19

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03

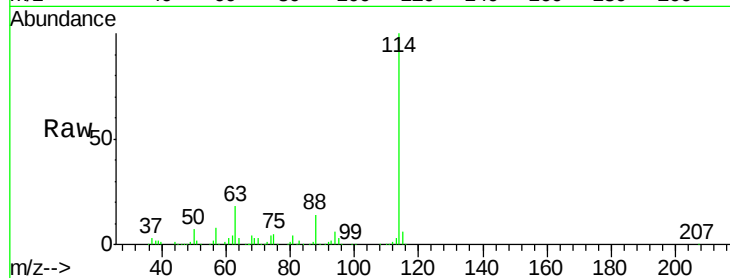
Tgt Ion:114 Resp: 557010

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.0

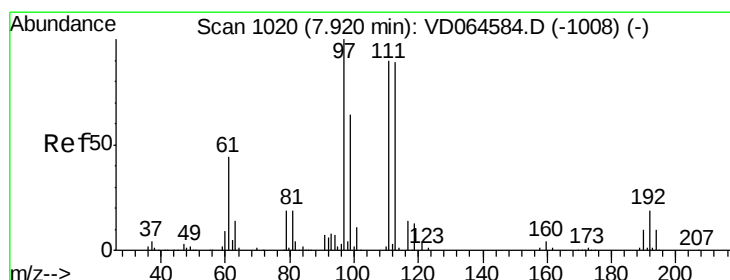
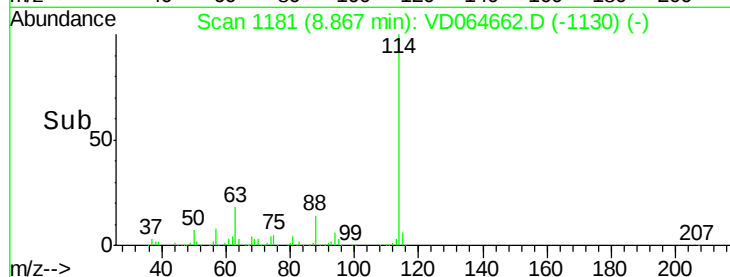
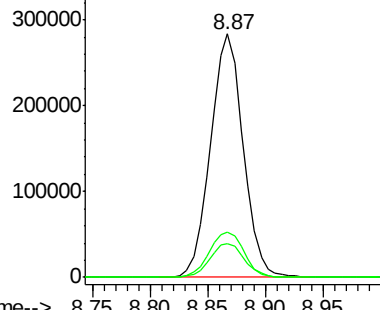
88 13.8 0.0 29.2



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: 52.730 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064662.D

Acq: 28 Dec 2019 01:19

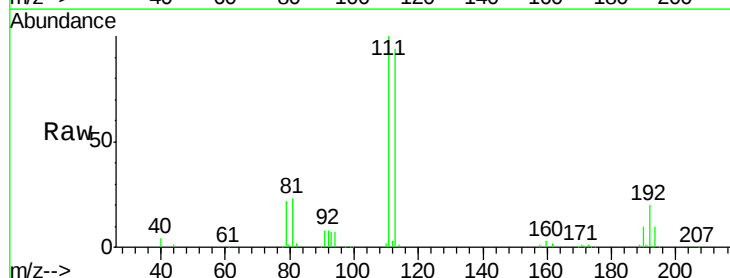
Tgt Ion:113 Resp: 180198

Ion Ratio Lower Upper

113 100

111 104.0 80.6 121.0

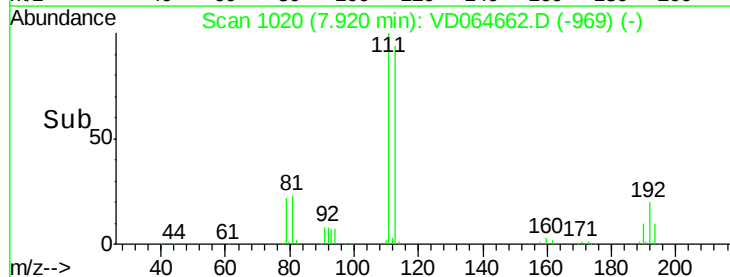
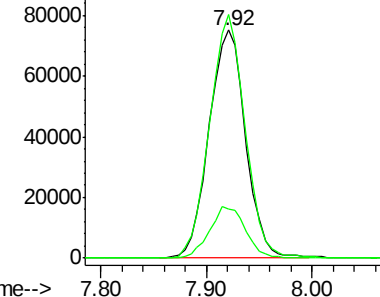
192 22.2 17.9 26.9

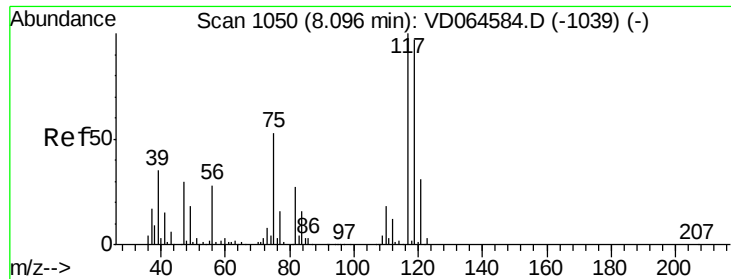


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.050 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064662.D

Acq: 28 Dec 2019 01:19

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03

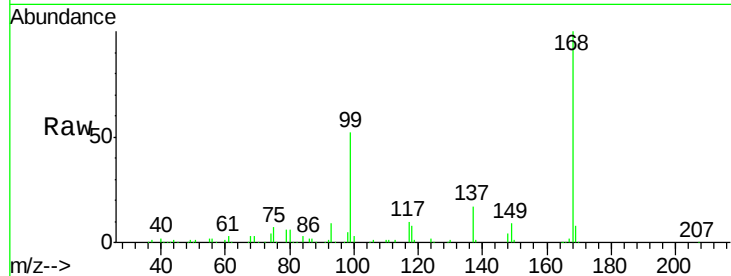
Tgt Ion:117 Resp: 34587

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

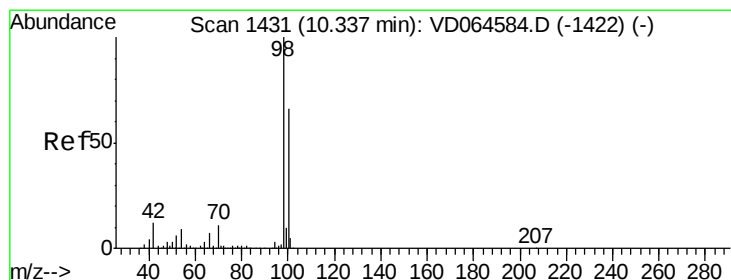
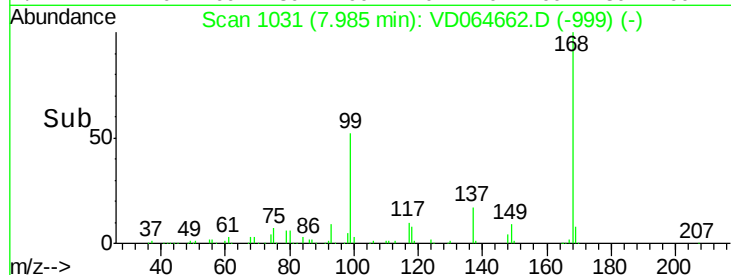
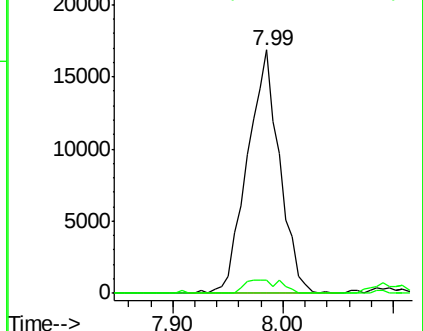
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 50.628 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064662.D

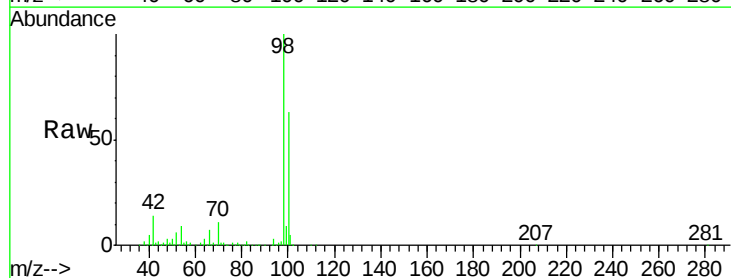
Acq: 28 Dec 2019 01:19

Tgt Ion: 98 Resp: 662627

Ion Ratio Lower Upper

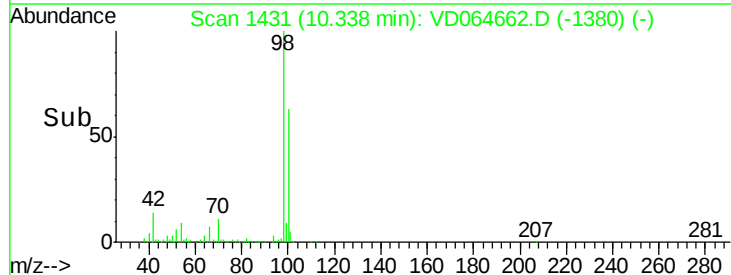
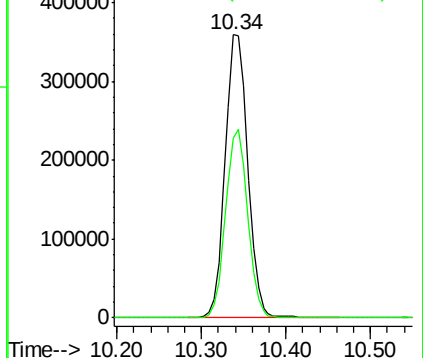
98 100

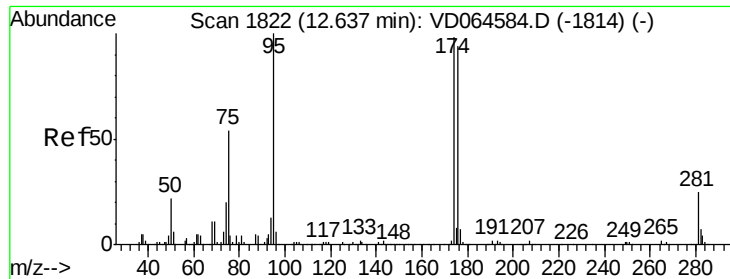
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

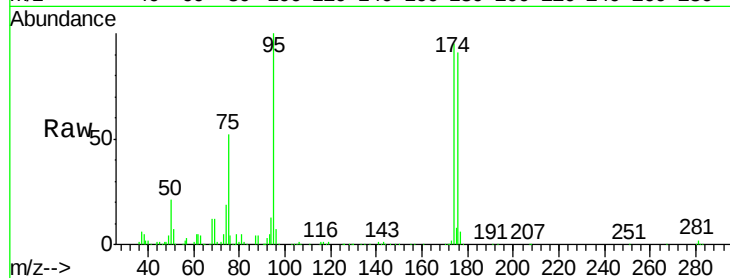




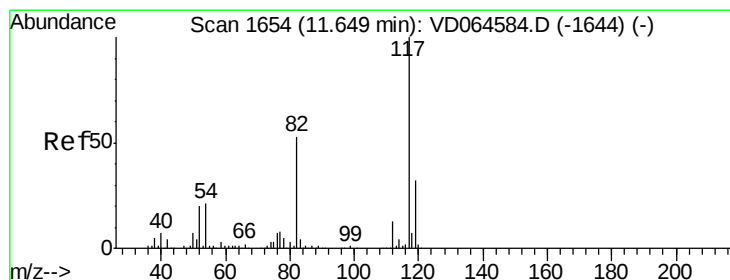
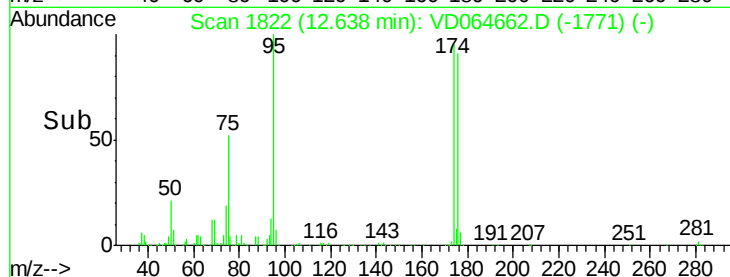
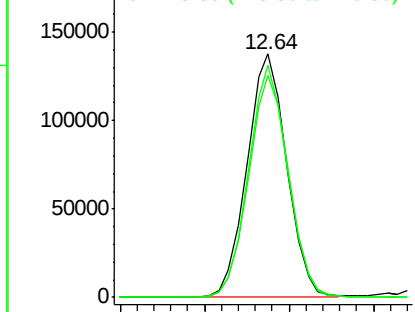
#62
4-Bromofluorobenzene
Concen: 54.192 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064662.D
Acq: 28 Dec 2019 01:19

Instrument :
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K321-SB-03

Tgt Ion: 95 Resp: 224280
Ion Ratio Lower Upper
95 100
174 94.2 0.0 193.2
176 91.3 0.0 184.2

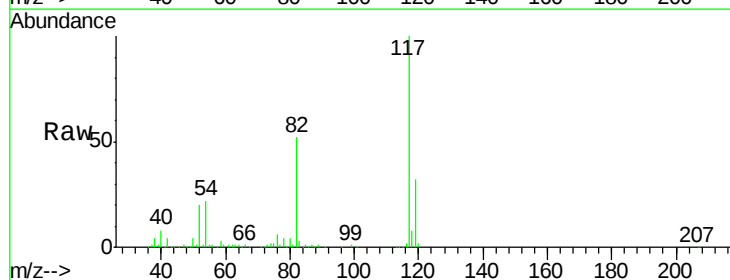


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

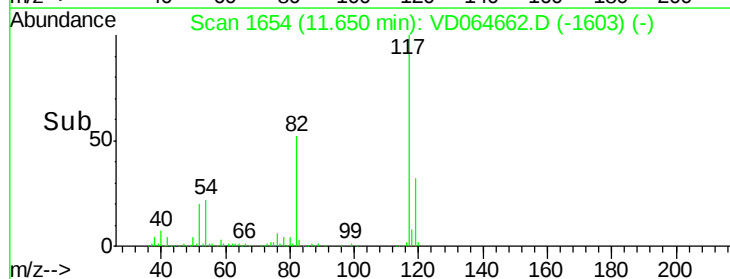
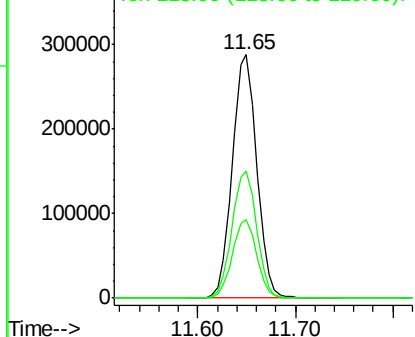


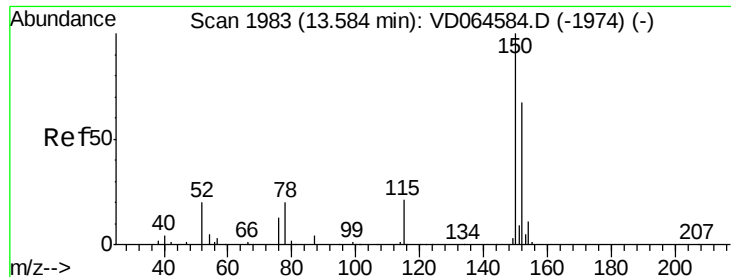
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064662.D
Acq: 28 Dec 2019 01:19

Tgt Ion: 117 Resp: 502025
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.4
119 32.0 26.0 39.0



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. 0.00 min

Lab File: VD064662.D

Acq: 28 Dec 2019 01:19

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03

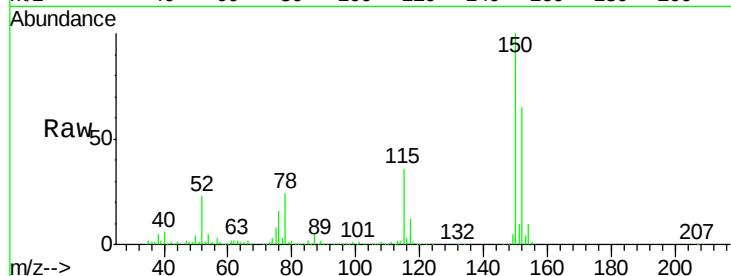
Tgt Ion:152 Resp: 255465

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.4

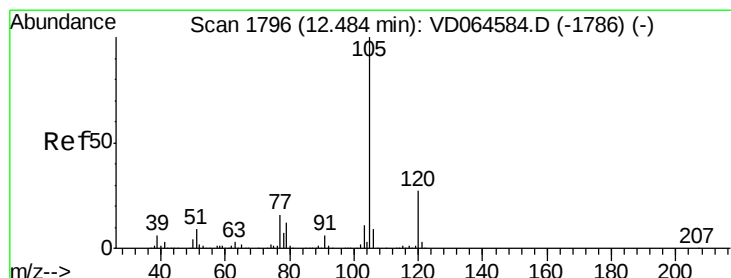
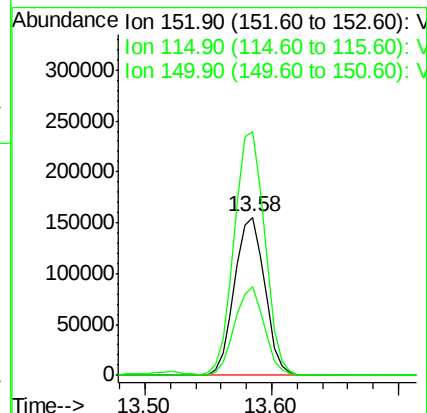
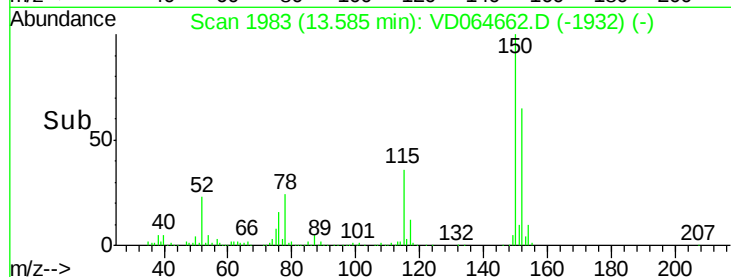
150 156.7 0.0 351.4



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



#73

Isopropylbenzene

Concen: 6.893 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD064662.D

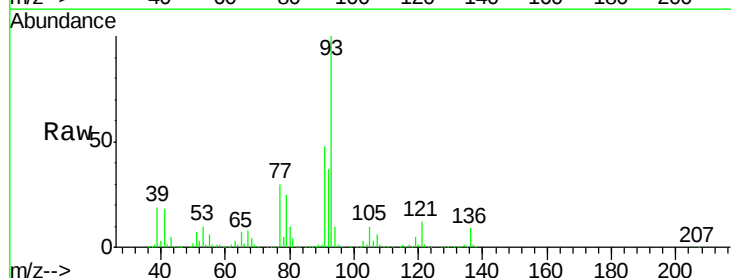
Acq: 28 Dec 2019 01:19

Tgt Ion:105 Resp: 125836

Ion Ratio Lower Upper

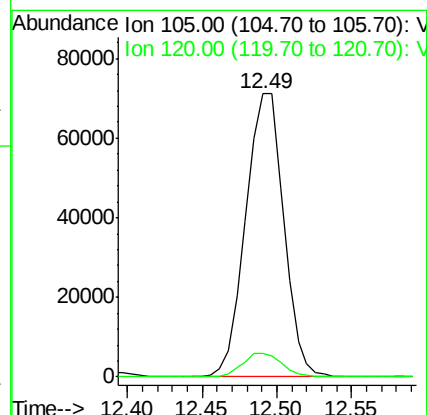
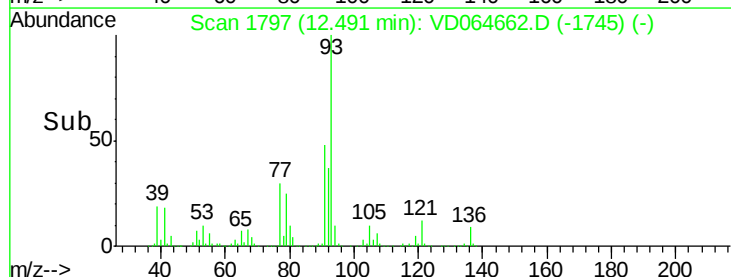
105 100

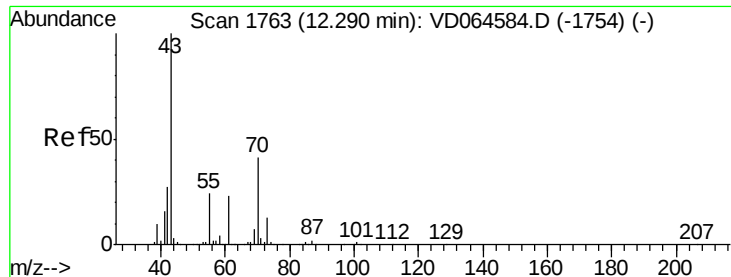
120 8.8 13.5 40.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 15.301 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.20 min

Lab File: VD064662.D

Acq: 28 Dec 2019 01:19

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03

Tgt Ion: 43 Resp: 59714

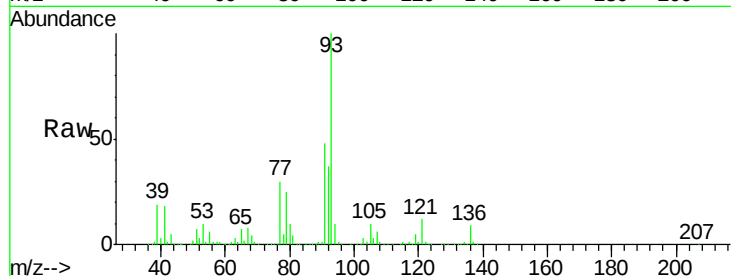
Ion Ratio Lower Upper

43 100

70 2.6 33.4 50.0#

55 107.3 19.4 29.0#

61 3.3 18.3 27.5#

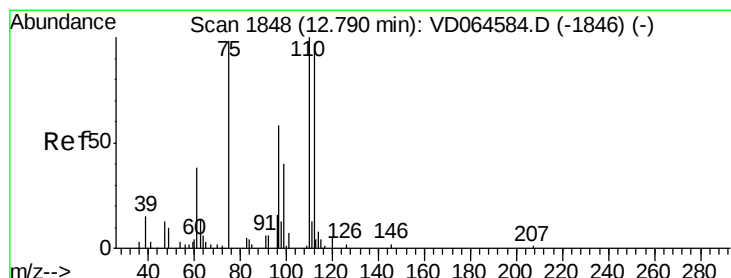
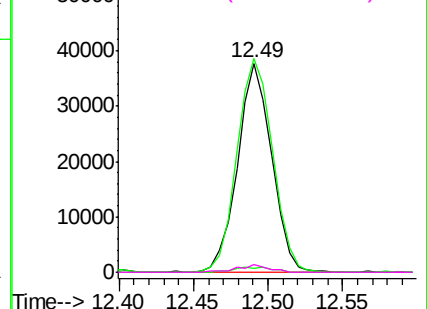
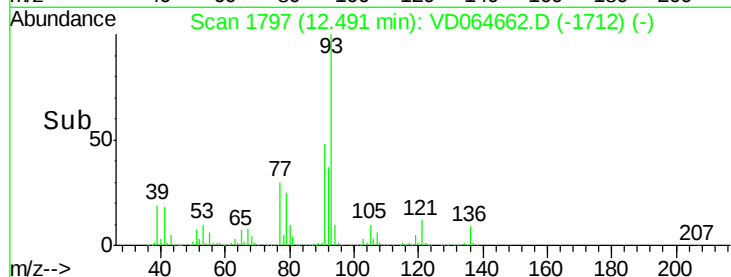


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 58.679 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064662.D

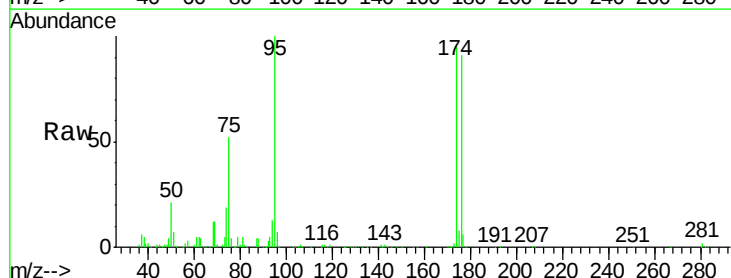
Acq: 28 Dec 2019 01:19

Tgt Ion: 75 Resp: 118374

Ion Ratio Lower Upper

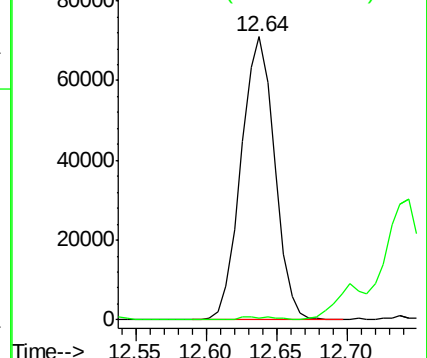
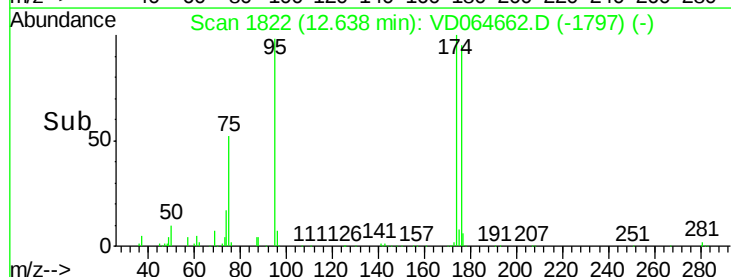
75 100

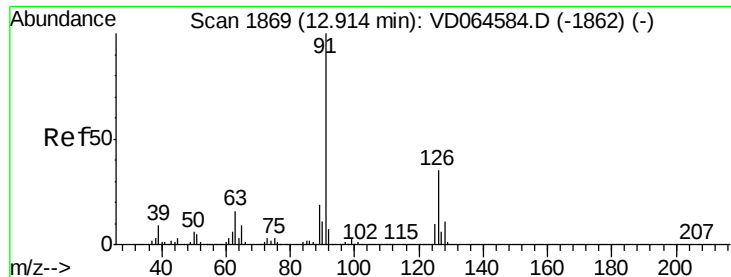
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

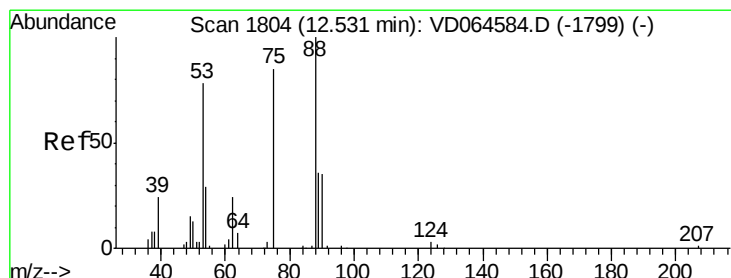
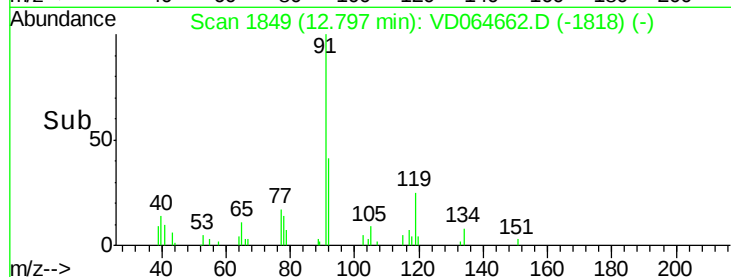
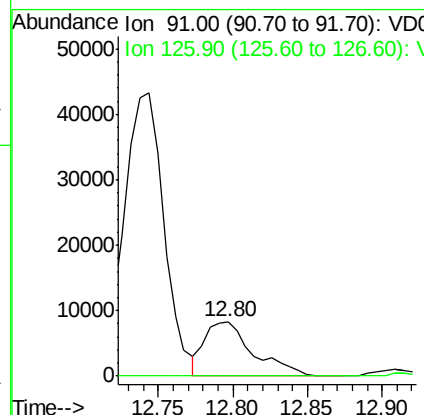
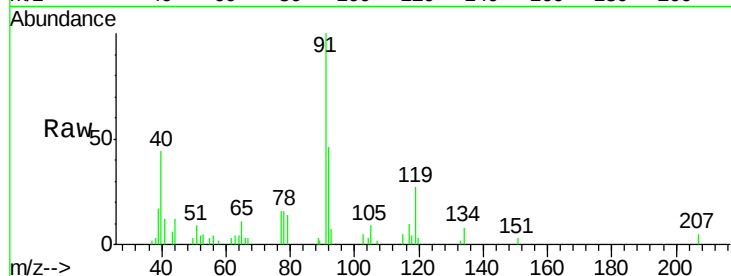




#79
 2-Chlorotoluene
 Concen: 1.603 ug/l
 RT: 12.80 min Scan# 1849
 Delta R.T. -0.12 min
 Lab File: VD064662.D
 Acq: 28 Dec 2019 01:19

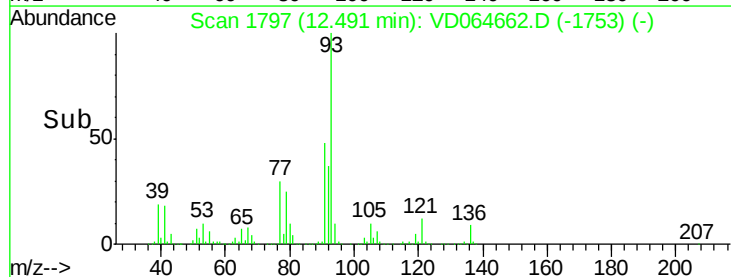
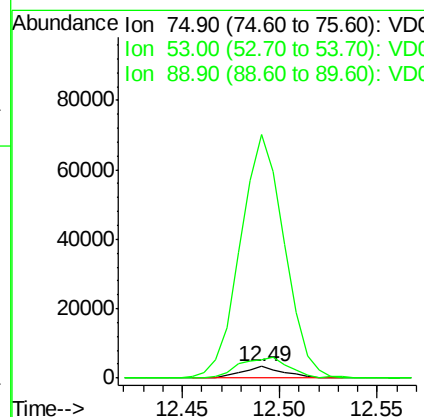
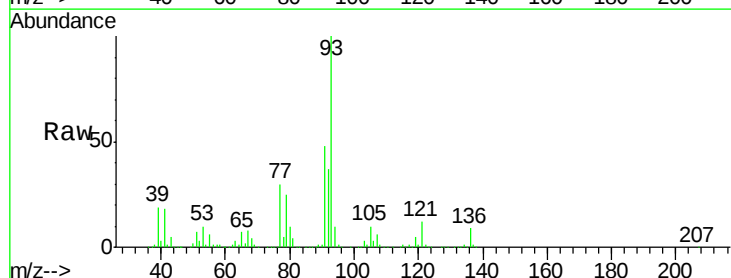
Instrument :
 MSVOA_D
 ClientSampleId :
 K321-SB-03

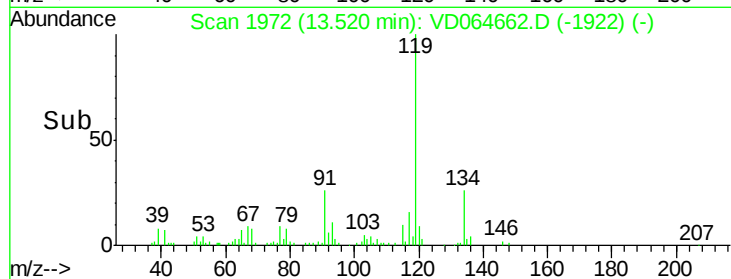
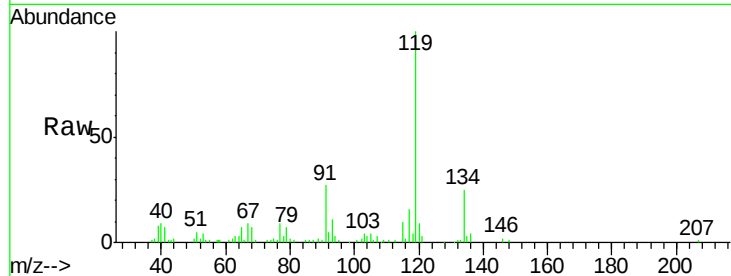
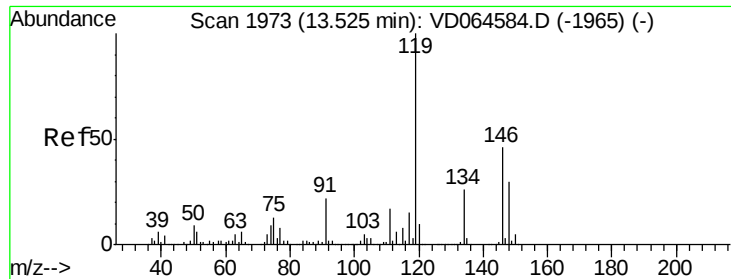
Tgt Ion: 91 Resp: 18756
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.8 53.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 5.008 ug/l
 RT: 12.49 min Scan# 1797
 Delta R.T. -0.04 min
 Lab File: VD064662.D
 Acq: 28 Dec 2019 01:19

Tgt Ion: 75 Resp: 4830
 Ion Ratio Lower Upper
 75 100
 53 2281.8 78.8 118.2#
 89 217.3 38.3 57.5#





#86

p-Isopropyltoluene

Concen: 4.077 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064662.D

Acq: 28 Dec 2019 01:19

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03

Tgt Ion:119 Resp: 69593

Ion Ratio Lower Upper

119 100

134 28.7 13.4 40.1

91 0.0 11.2 33.6#

