

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064661.D
 Acq On : 28 Dec 2019 00:50
 Operator : VA/SY
 Sample : K6441-02
 Misc : 6.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 K321-SB-02

Quant Time: Dec 30 01:03:40 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

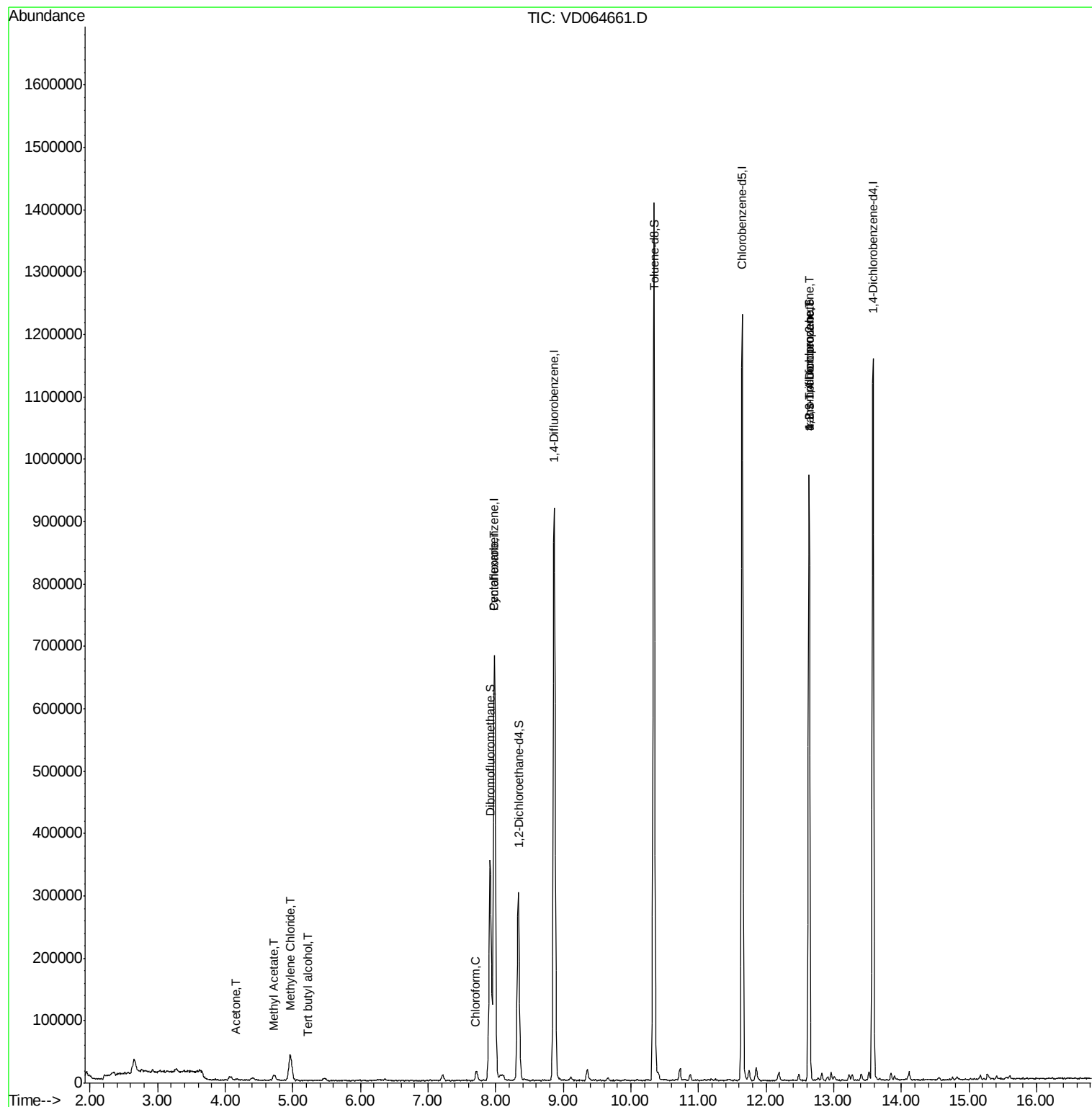
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	533449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	804016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	691598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312653	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	242030	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
35) Dibromofluoromethane	7.92	113	245540	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
50) Toluene-d8	10.34	98	945438	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.64	95	281915	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.21	59	515	1.910	ug/l #	70
16) Acetone	4.17	43	4056	7.793	ug/l	90
18) Methyl Acetate	4.73	43	14770	5.577	ug/l	97
20) Methylene Chloride	4.96	84	31244	1.781	ug/l	98
30) Chloroform	7.71	83	13292	1.446	ug/l	92
31) Cyclohexane	7.98	56	16056	1.831	ug/l #	38
76) 1,2,3-Trichloropropane	12.64	75	149347	60.491	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	149347	126.516	ug/l #	10

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

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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: VD064661.D

Acq: 28 Dec 2019 00:50

Instrument :

MSVOA_D

ClientSampleId :

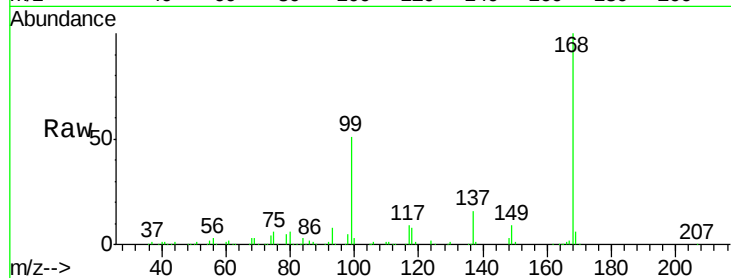
K321-SB-02

Tgt Ion:168 Resp: 533449

Ion Ratio Lower Upper

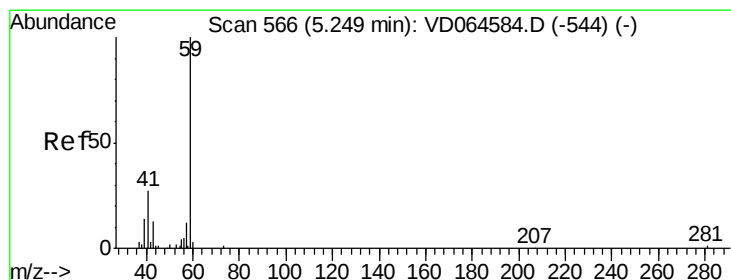
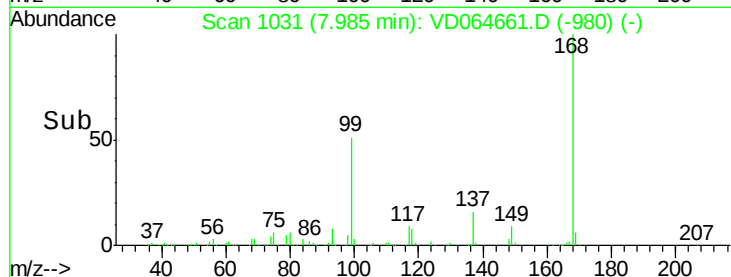
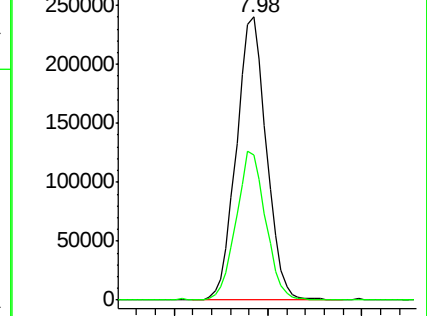
168 100

99 51.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.910 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD064661.D

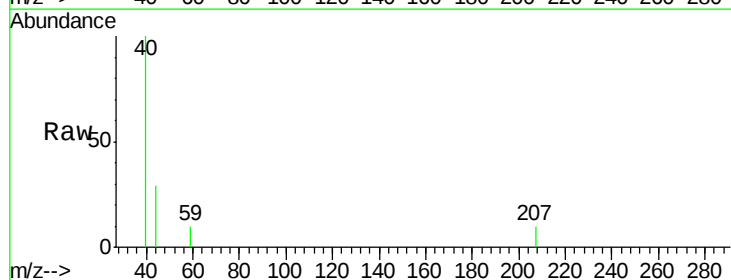
Acq: 28 Dec 2019 00:50

Tgt Ion: 59 Resp: 515

Ion Ratio Lower Upper

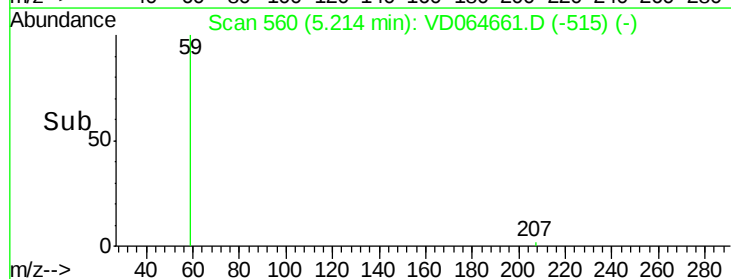
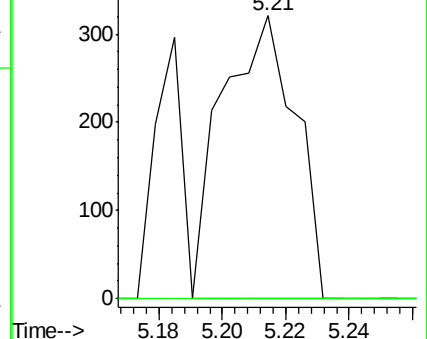
59 100

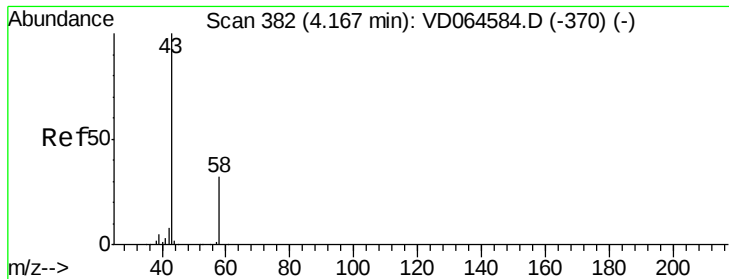
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 7.793 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064661.D

Acq: 28 Dec 2019 00:50

Instrument :

MSVOA_D

ClientSampleId :

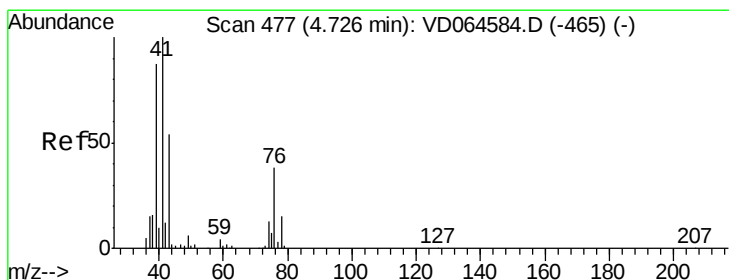
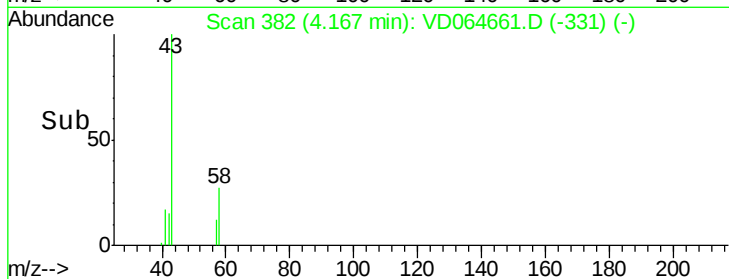
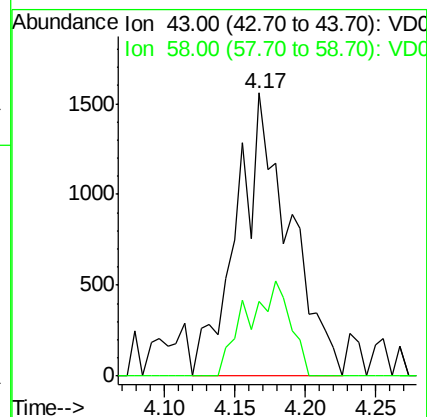
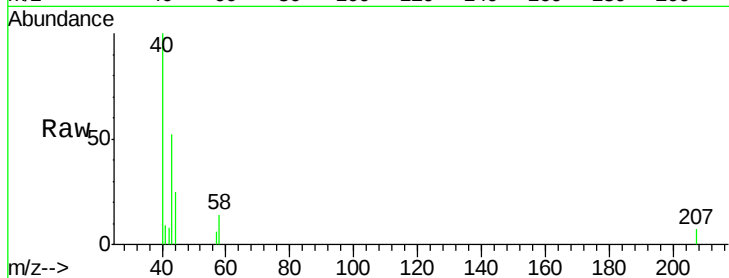
K321-SB-02

Tgt Ion: 43 Resp: 4056

Ion Ratio Lower Upper

43 100

58 26.6 25.8 38.6



#18

Methyl Acetate

Concen: 5.577 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064661.D

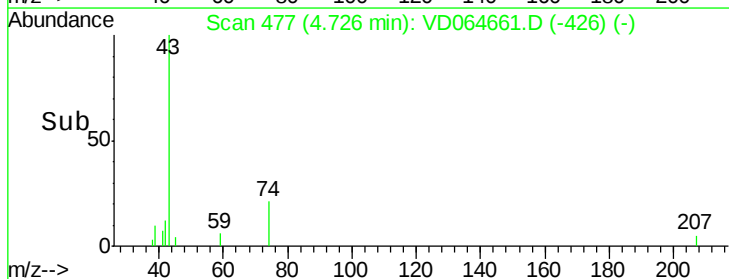
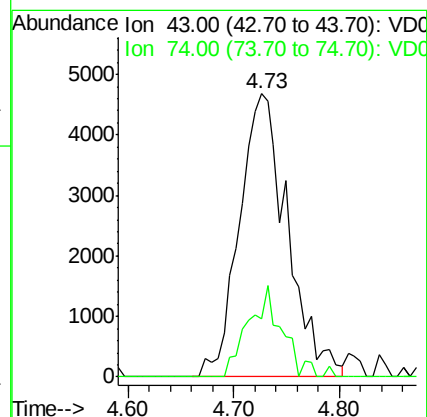
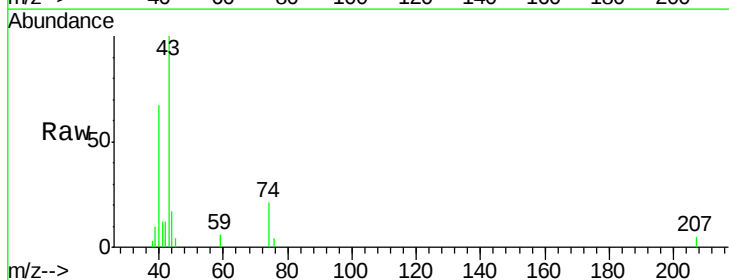
Acq: 28 Dec 2019 00:50

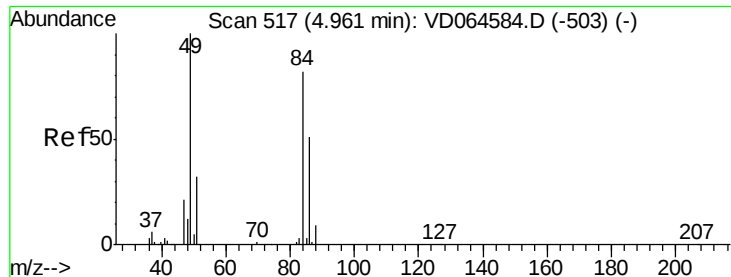
Tgt Ion: 43 Resp: 14770

Ion Ratio Lower Upper

43 100

74 22.4 19.2 28.8

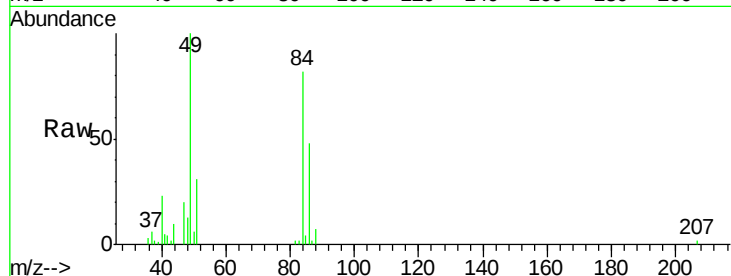




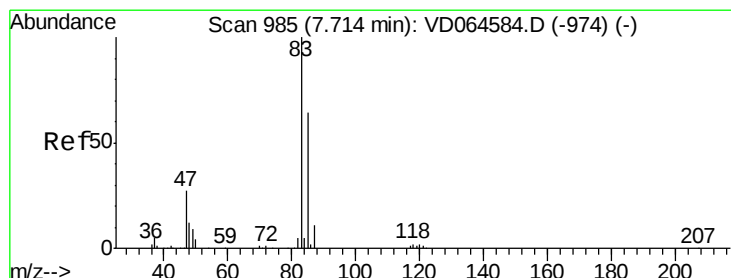
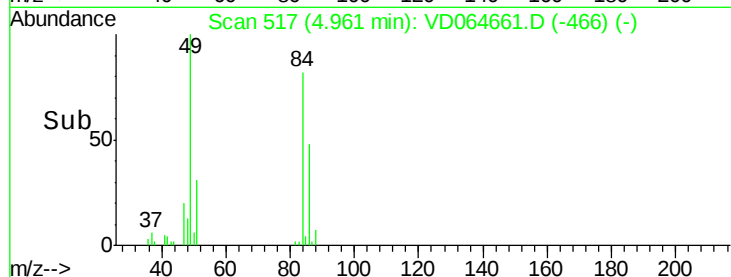
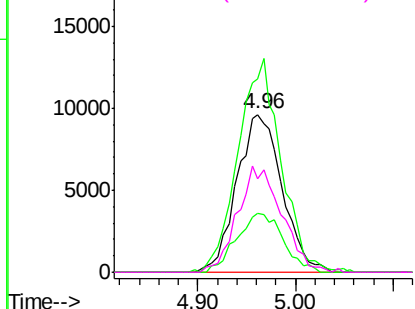
#20
Methylene Chloride
Concen: 1.781 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064661.D
Acq: 28 Dec 2019 00:50

Instrument :
MSVOA_D
ClientSampleId :
K321-SB-02

Tgt Ion: 84 Resp: 31244
Ion Ratio Lower Upper
84 100
49 122.7 97.2 145.8
51 37.5 31.4 47.0
86 59.3 49.3 73.9

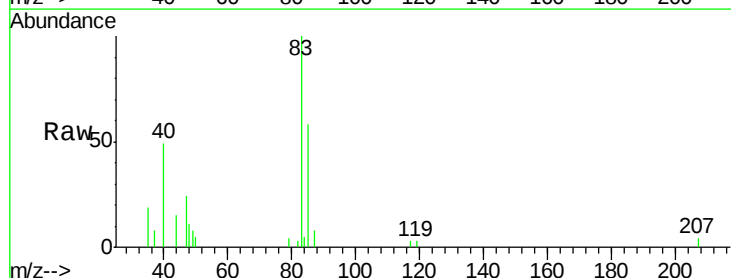


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

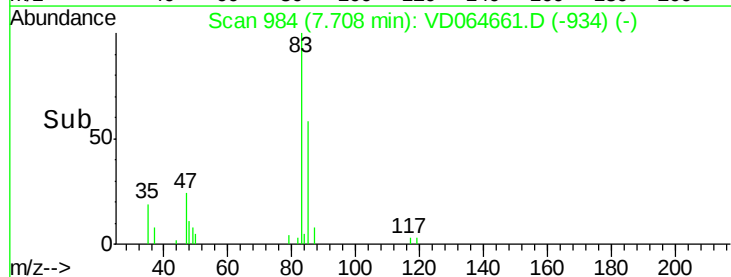
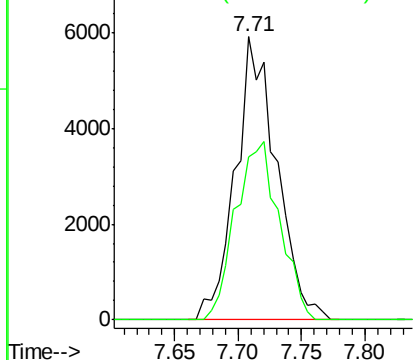


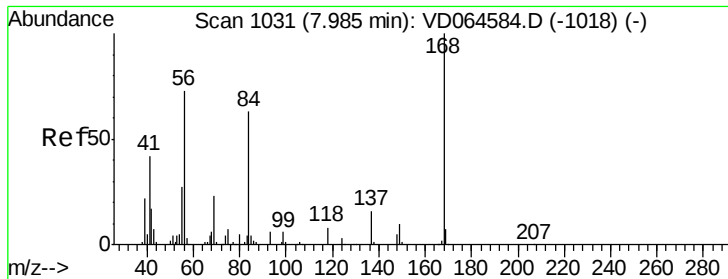
#30
Chloroform
Concen: 1.446 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064661.D
Acq: 28 Dec 2019 00:50

Tgt Ion: 83 Resp: 13292
Ion Ratio Lower Upper
83 100
85 57.7 51.1 76.7



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

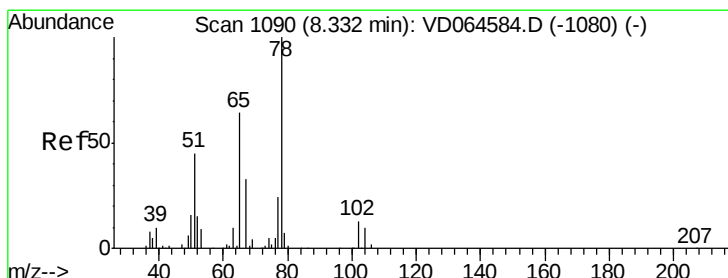
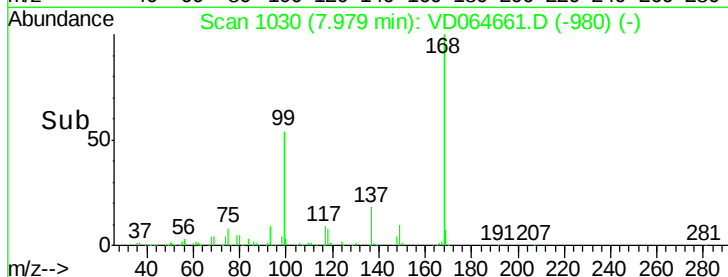
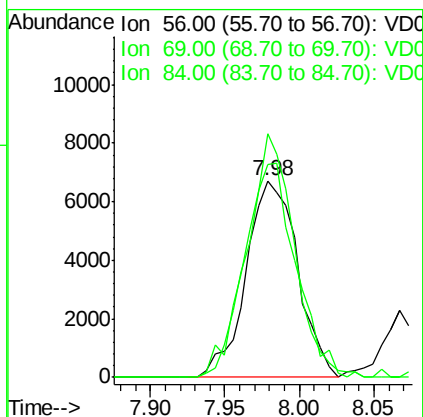
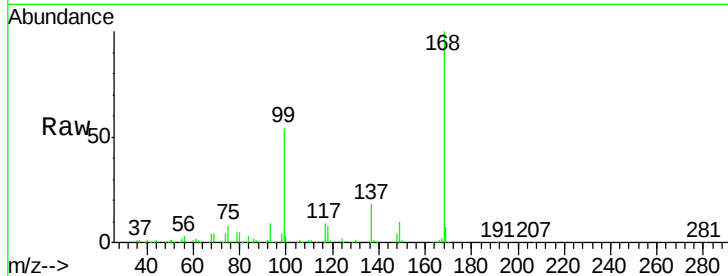




#31
Cyclohexane
Concen: 1.831 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064661.D
Acq: 28 Dec 2019 00:50

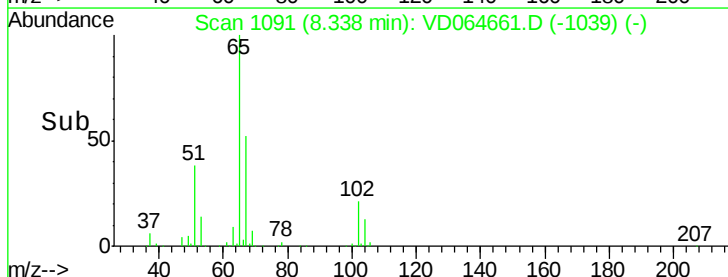
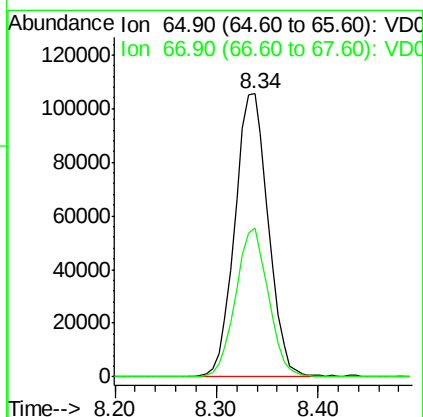
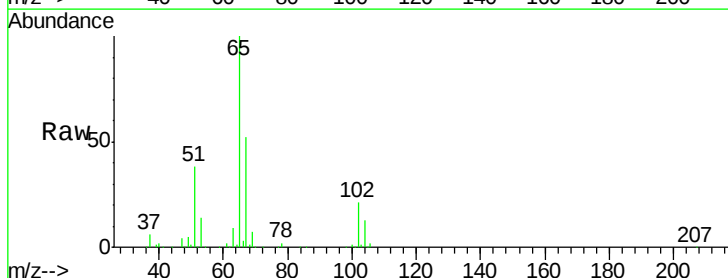
Instrument :
MSVOA_D
ClientSampleId :
K321-SB-02

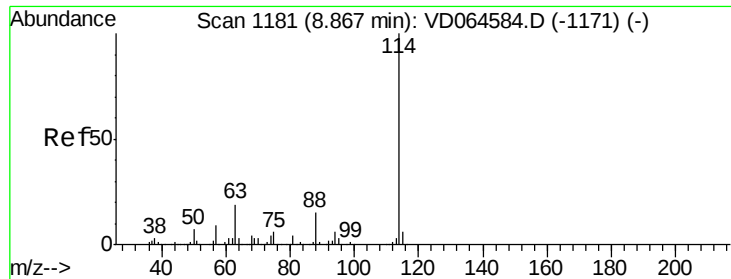
Tgt Ion: 56 Resp: 16056
Ion Ratio Lower Upper
56 100
69 123.9 24.7 37.1#
84 108.4 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 51.453 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064661.D
Acq: 28 Dec 2019 00:50

Tgt Ion: 65 Resp: 242030
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.2

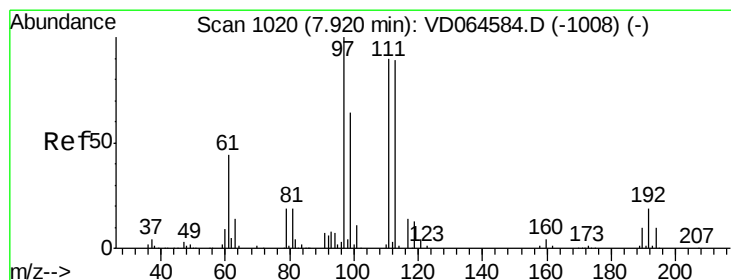
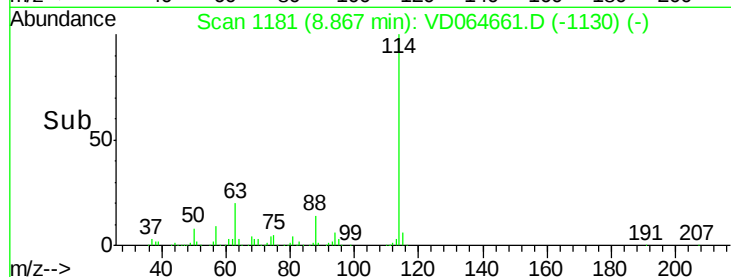
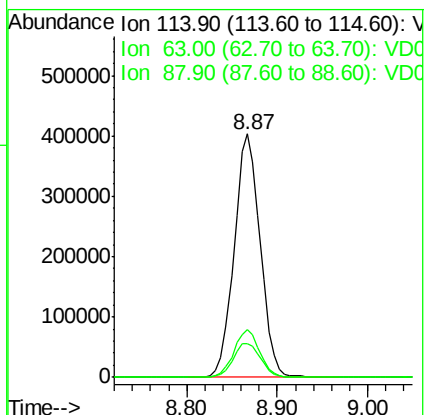
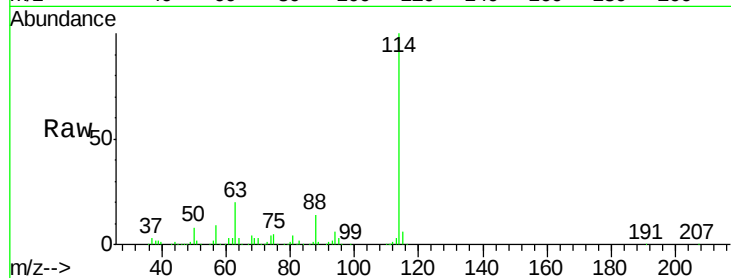




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064661.D
 Acq: 28 Dec 2019 00:50

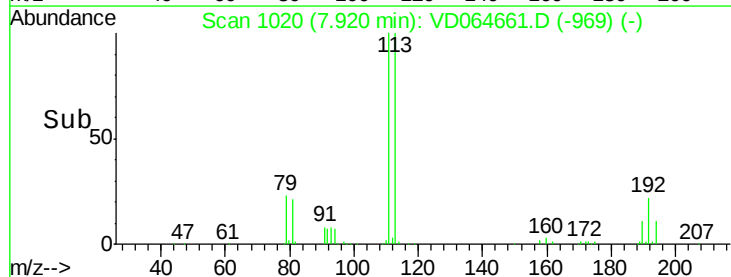
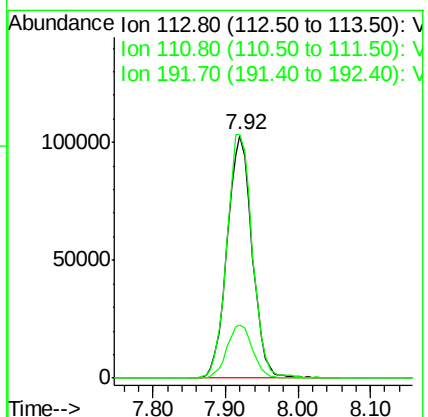
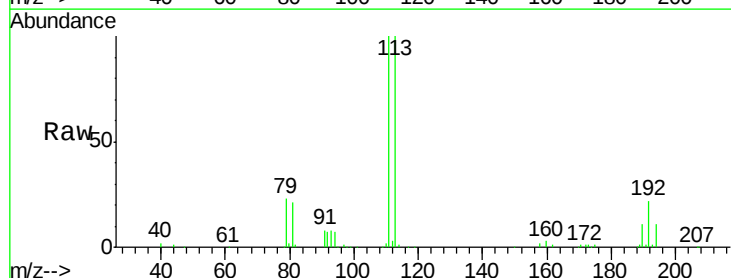
Instrument :
 MSVOA_D
 ClientSampleId :
 K321-SB-02

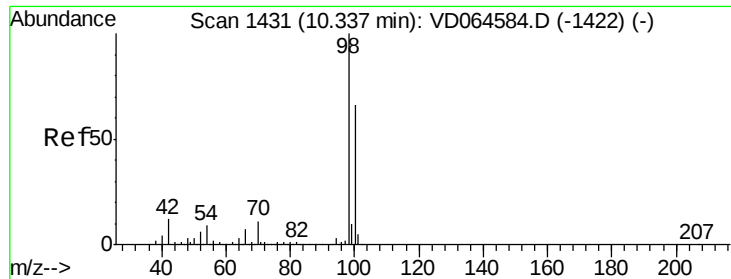
Tgt Ion:114 Resp: 804016
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 13.9 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 49.777 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064661.D
 Acq: 28 Dec 2019 00:50

Tgt Ion:113 Resp: 245540
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.6 121.0
 192 22.6 17.9 26.9





#50

Toluene-d8

Concen: 50.044 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064661.D

Acq: 28 Dec 2019 00:50

Instrument :

MSVOA_D

ClientSampleId :

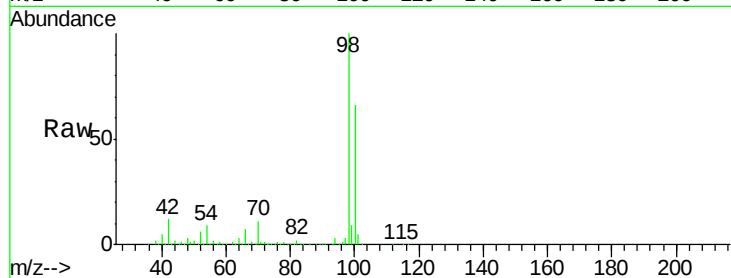
K321-SB-02

Tgt Ion: 98 Resp: 945438

Ion Ratio Lower Upper

98 100

100 65.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

600000

500000

400000

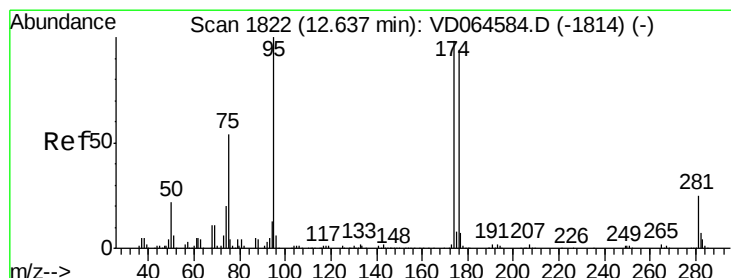
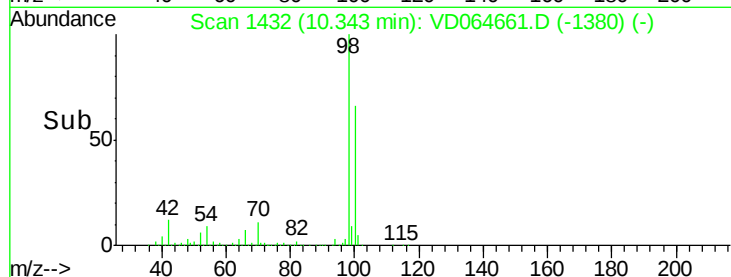
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 47.192 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064661.D

Acq: 28 Dec 2019 00:50

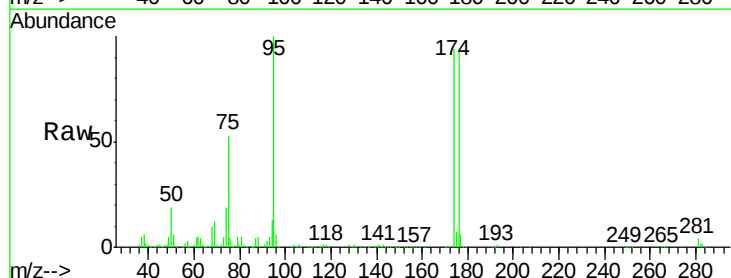
Tgt Ion: 95 Resp: 281915

Ion Ratio Lower Upper

95 100

174 94.9 0.0 193.2

176 92.6 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

200000

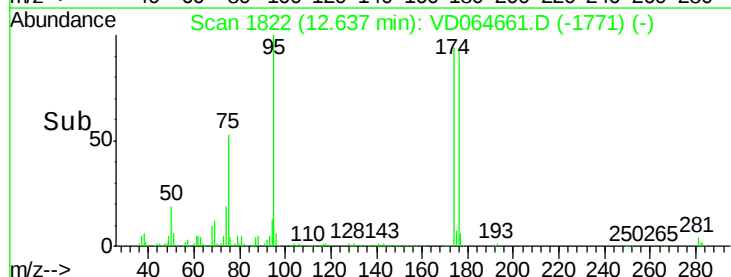
150000

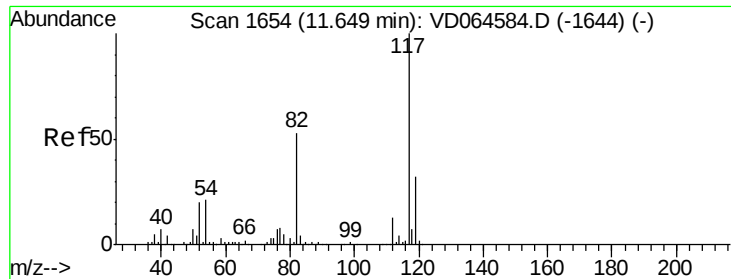
100000

50000

0

Time--> 12.60 12.70

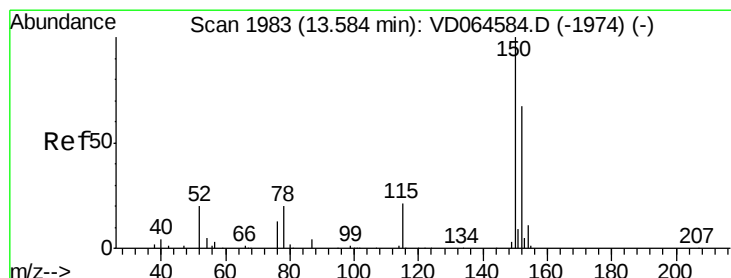
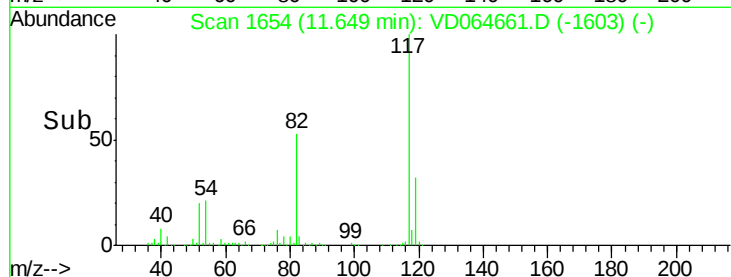
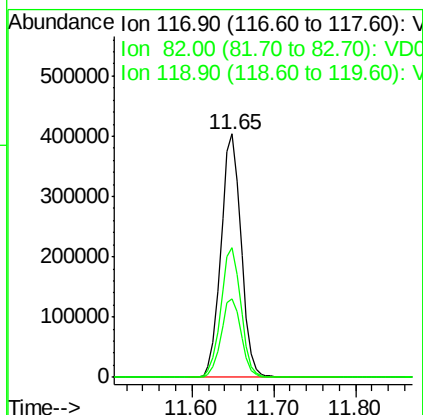
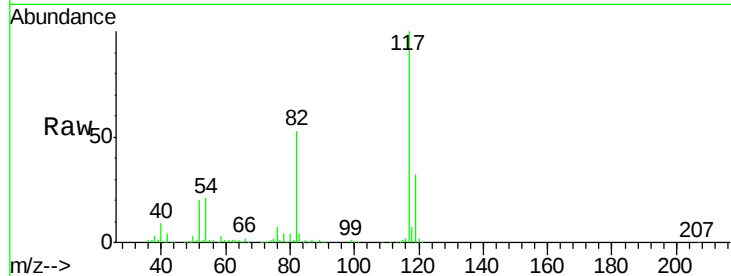




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064661.D
Acq: 28 Dec 2019 00:50

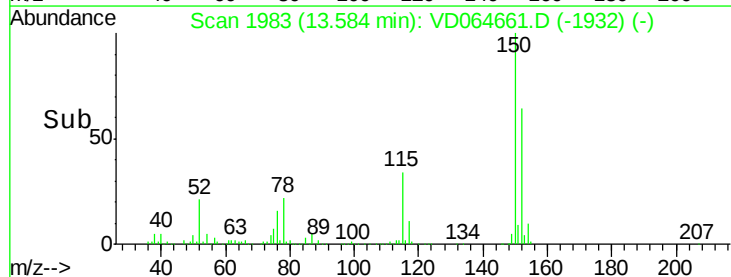
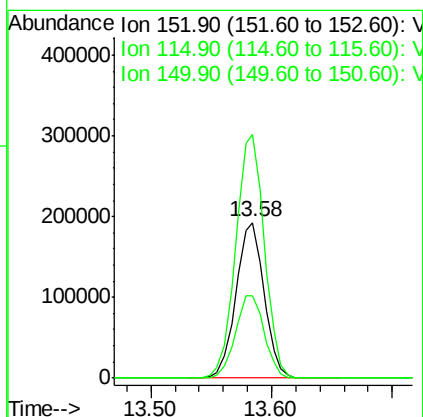
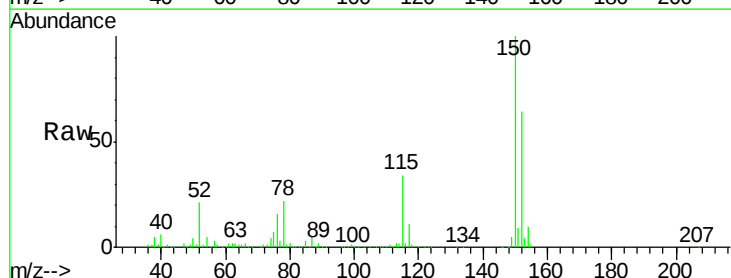
Instrument :
MSVOA_D
ClientSampleId :
K321-SB-02

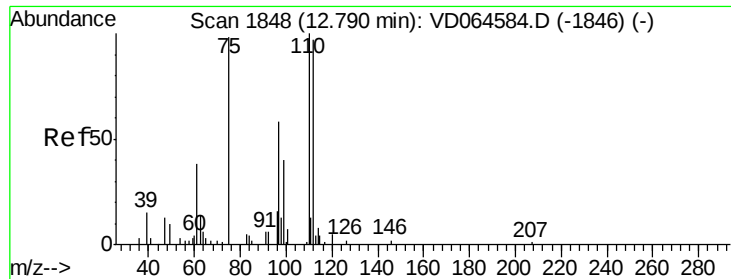
Tgt Ion:117 Resp: 691598
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.4
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064661.D
Acq: 28 Dec 2019 00:50

Tgt Ion:152 Resp: 312653
Ion Ratio Lower Upper
152 100
115 54.4 27.8 83.4
150 159.2 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 60.491 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064661.D

Acq: 28 Dec 2019 00:50

Instrument :

MSVOA_D

ClientSampleId :

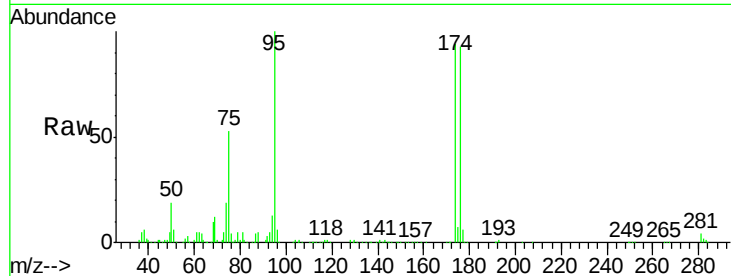
K321-SB-02

Tgt Ion: 75 Resp: 149347

Ion Ratio Lower Upper

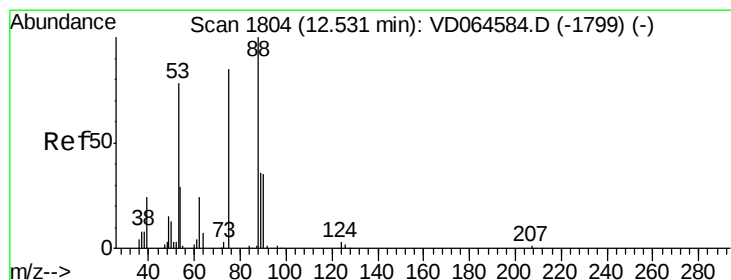
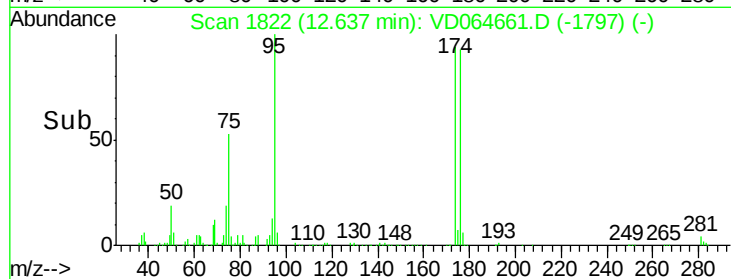
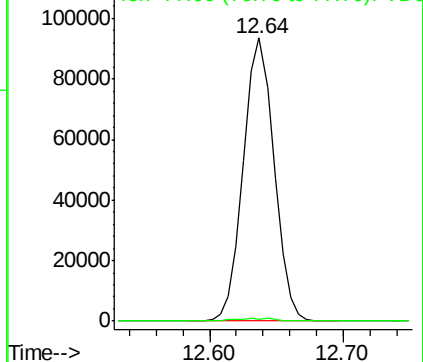
75 100

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: 126.516 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064661.D

Acq: 28 Dec 2019 00:50

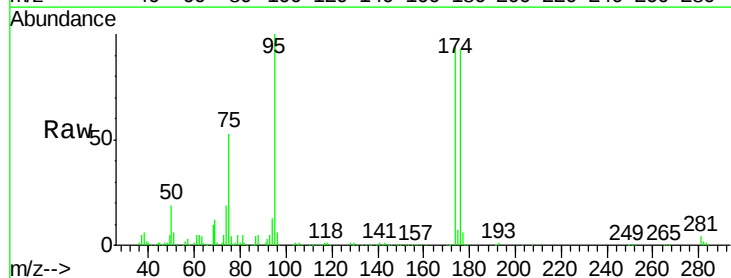
Tgt Ion: 75 Resp: 149347

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#



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

