

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062264.D
 Acq On : 12 May 2019 17:37
 Operator : FY/SY
 Sample : K2733-09
 Misc : 5.75µ/5mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0002-01

Quant Time: May 13 01:34:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	488	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	3171	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	3549	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	1349	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	2189	482.69	ug/l	0.02
Spiked Amount			Recovery	=	965.38%	
35) Dibromofluoromethane	6.92	113	2022	76.85	ug/l	0.03
Spiked Amount			Recovery	=	153.70%	
50) Toluene-d8	10.42	98	2274	35.85	ug/l	0.02
Spiked Amount			Recovery	=	71.70%	
62) 4-Bromofluorobenzene	13.56	95	1627	63.87	ug/l	0.00
Spiked Amount			Recovery	=	127.74%	

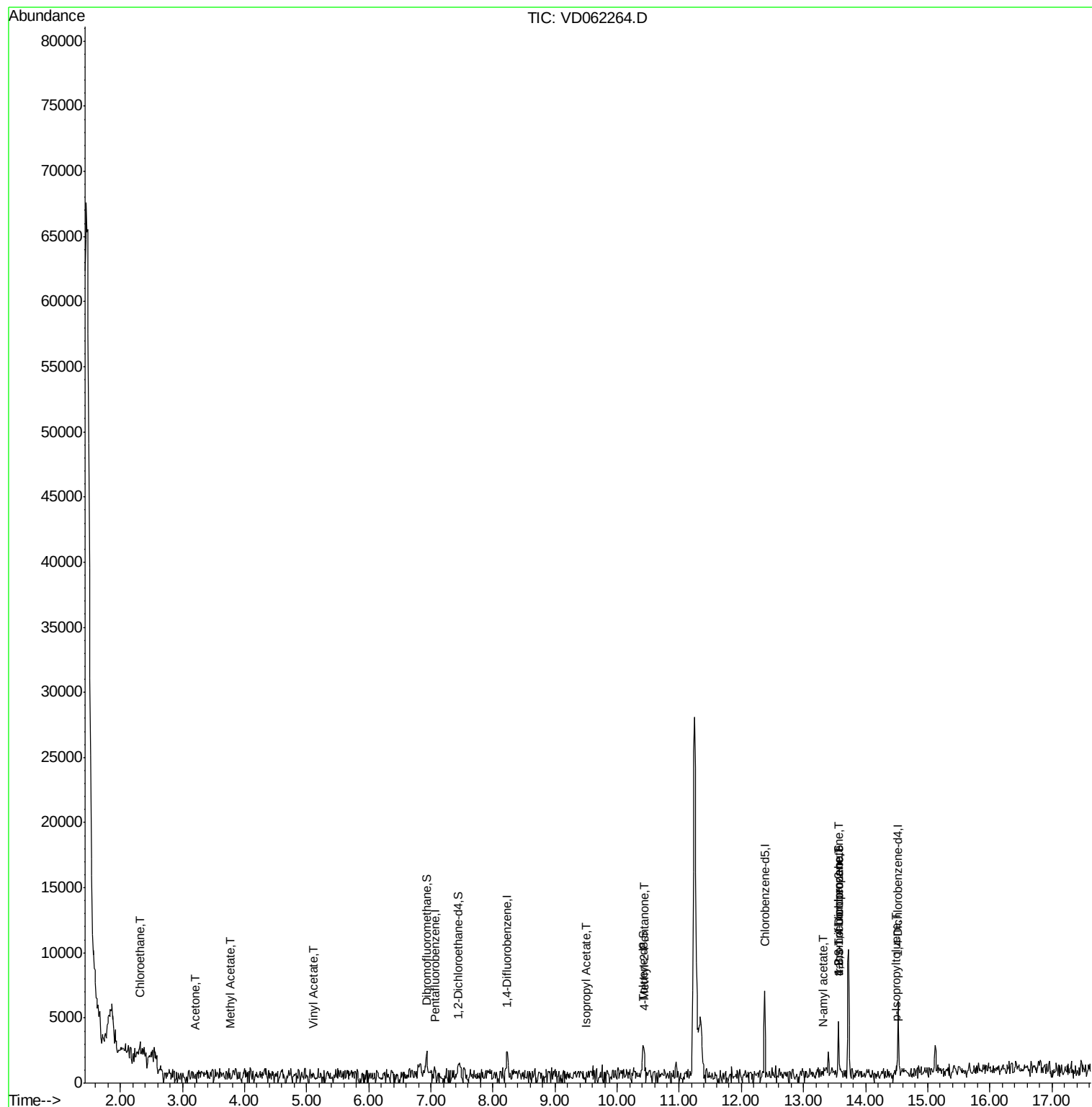
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.31	64	417	299.835	ug/l #	43
16) Acetone	3.21	43	187	196.625	ug/l #	50
18) Methyl Acetate	3.76	43	179	105.574	ug/l #	53
23) Vinyl Acetate	5.10	43	210	34.572	ug/l #	77
43) Isopropyl Acetate	9.50	43	182	11.639	ug/l #	43
51) 4-Methyl-2-Pentanone	10.45	43	281	27.955	ug/l #	37
74) N-amyl acetate	13.31	43	243	11.462	ug/l #	49
76) 1,2,3-Trichloropropane	13.57	75	269	16.779	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	269	59.436	ug/l #	16
86) p-Isopropyltoluene	14.49	119	491	6.549	ug/l #	52

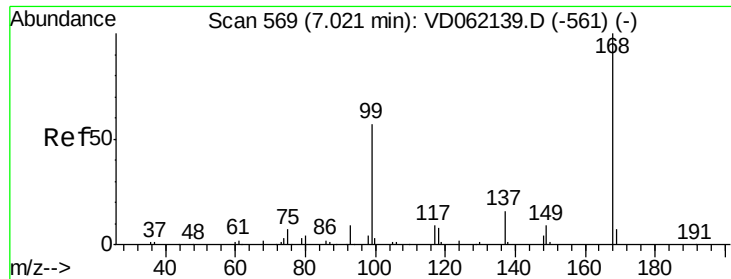
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062264.D

Acq: 12 May 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

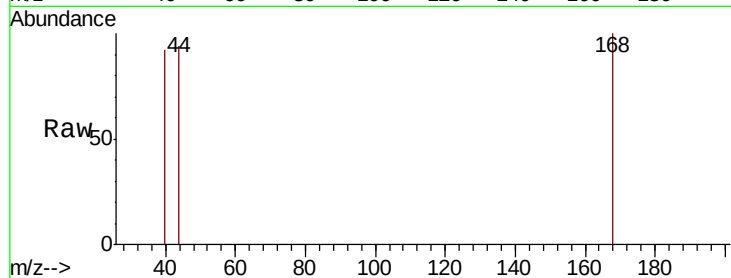
P021-SS002-0002-01

Tot Ion:168 Resp: 488

Ion Ratio Lower Upper

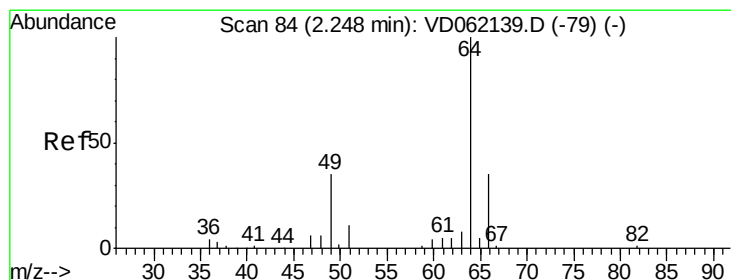
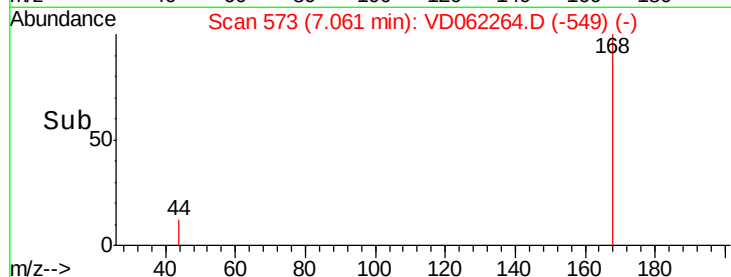
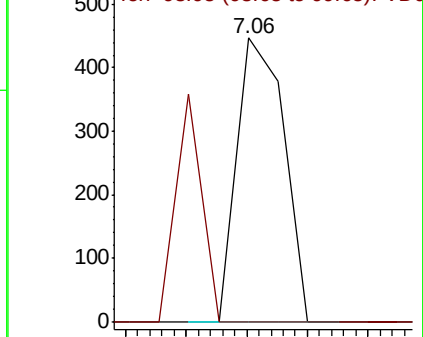
168 100

99 0.0 46.5 69.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#6

Chloroethane

Concen: 299.835 ug/l

RT: 2.31 min Scan# 90

Delta R.T. 0.06 min

Lab File: VD062264.D

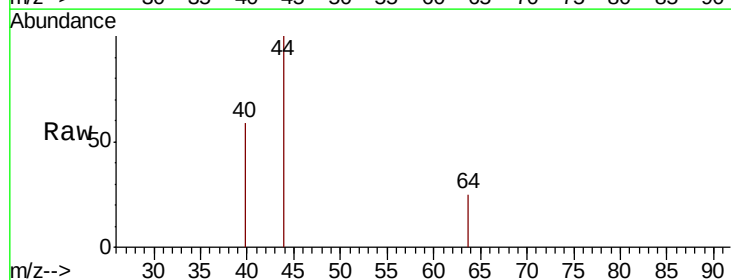
Acq: 12 May 2019 17:37

Tgt Ion: 64 Resp: 417

Ion Ratio Lower Upper

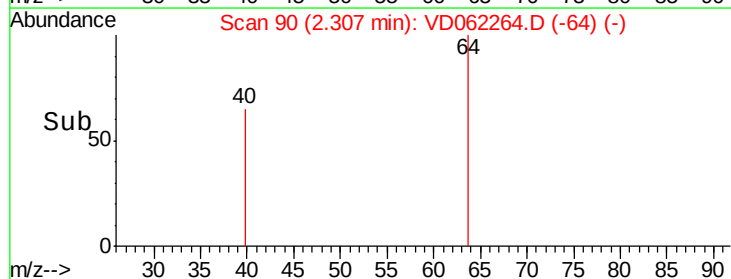
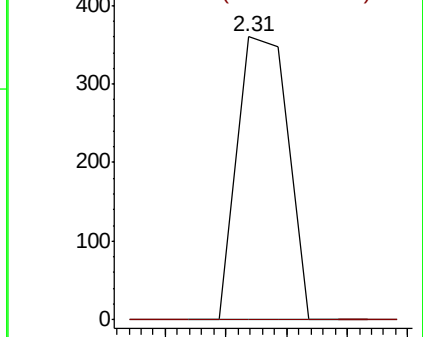
64 100

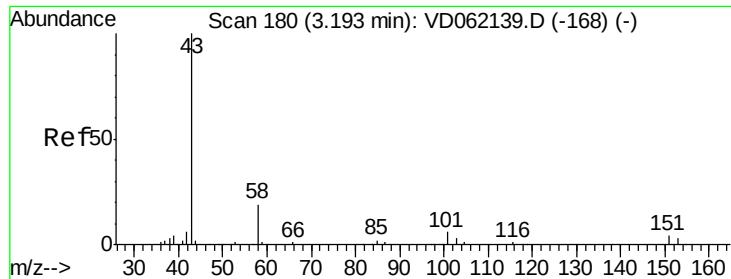
66 0.0 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#16

Acetone

Concen: 196.625 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062264.D

Acq: 12 May 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

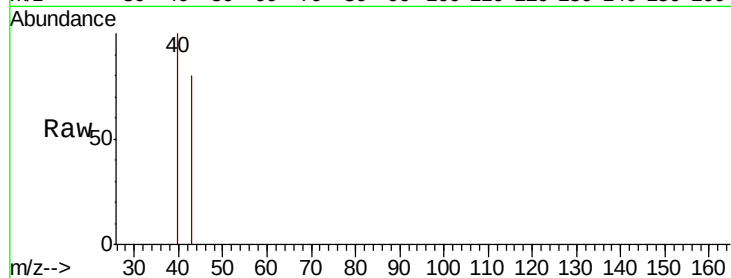
P021-SS002-0002-01

Tot Ion: 43 Resp: 187

Ion Ratio Lower Upper

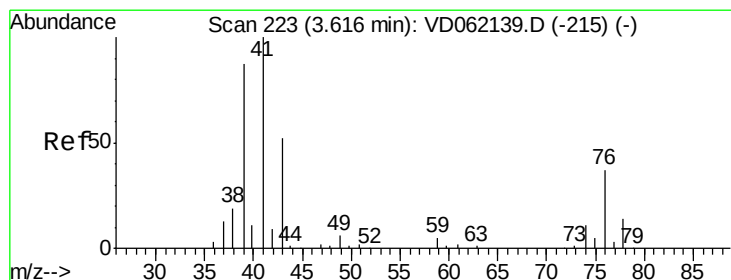
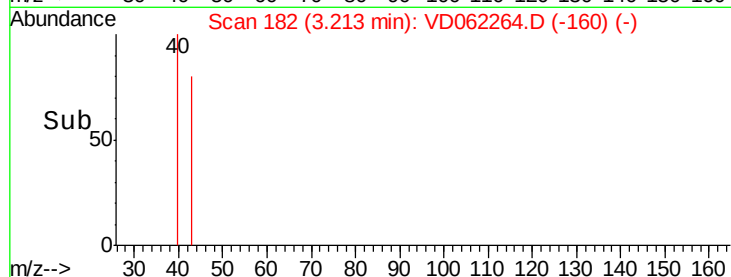
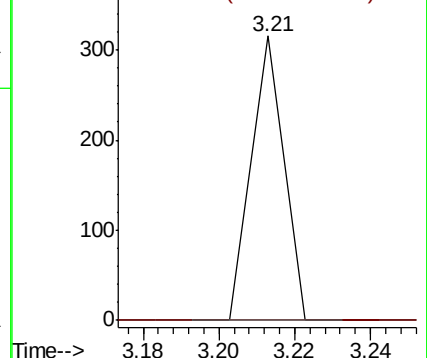
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 105.574 ug/l

RT: 3.76 min Scan# 238

Delta R.T. 0.15 min

Lab File: VD062264.D

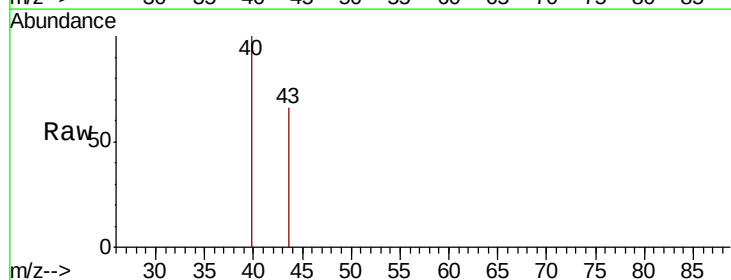
Acq: 12 May 2019 17:37

Tgt Ion: 43 Resp: 179

Ion Ratio Lower Upper

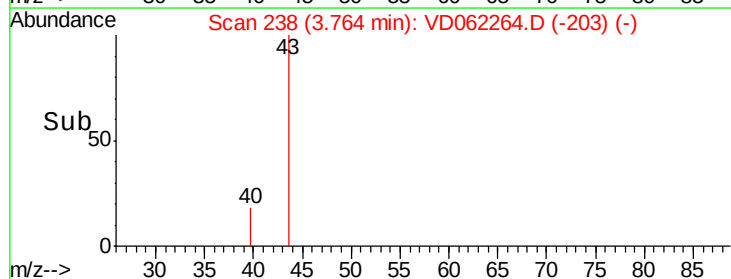
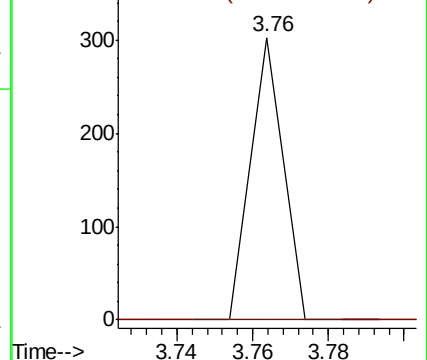
43 100

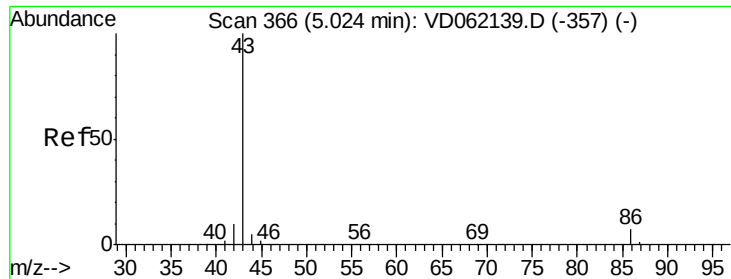
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#23

Vinyl Acetate

Concen: 34.572 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.08 min

Lab File: VD062264.D

Acq: 12 May 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

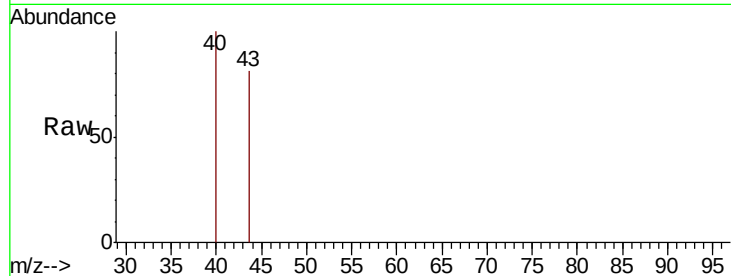
P021-SS002-0002-01

Tot Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.10

400

300

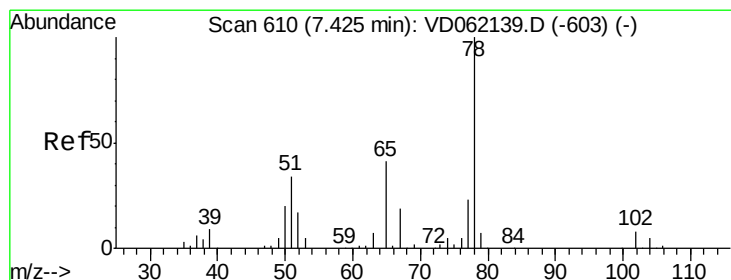
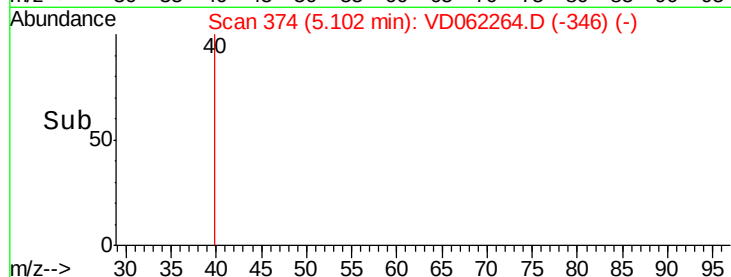
200

100

0

Time-->

5.08 5.10 5.12



#33

1,2-Dichloroethane-d4

Concen: 482.685 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062264.D

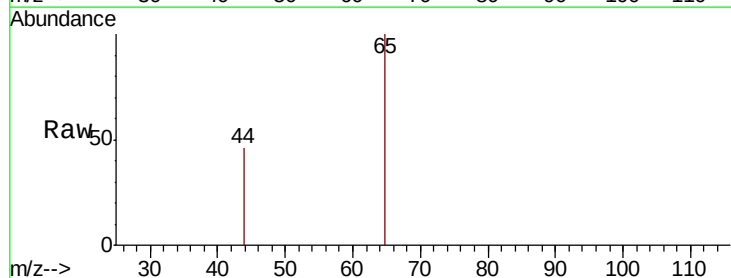
Acq: 12 May 2019 17:37

Tgt Ion: 65 Resp: 2189

Ion Ratio Lower Upper

65 100

67 0.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

1200

1000

800

600

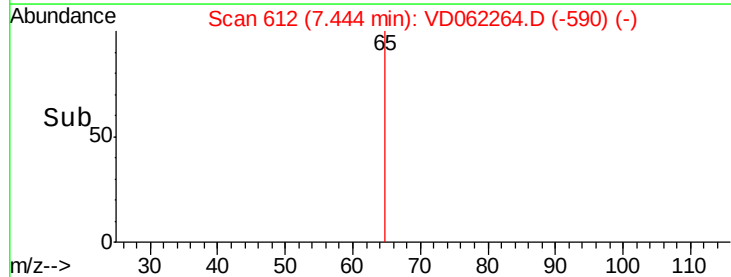
400

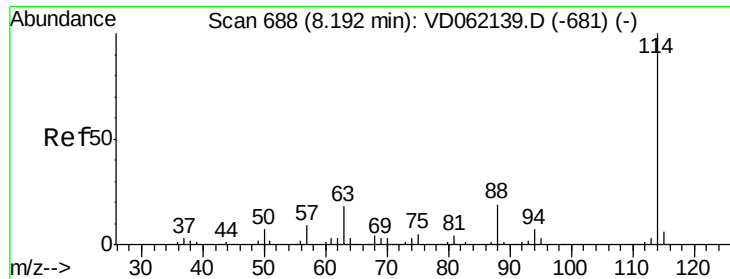
200

0

Time-->

7.40 7.45 7.50

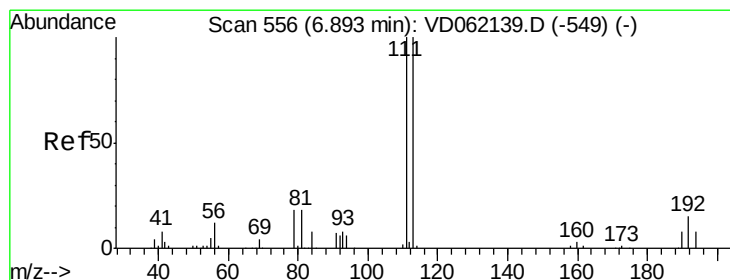
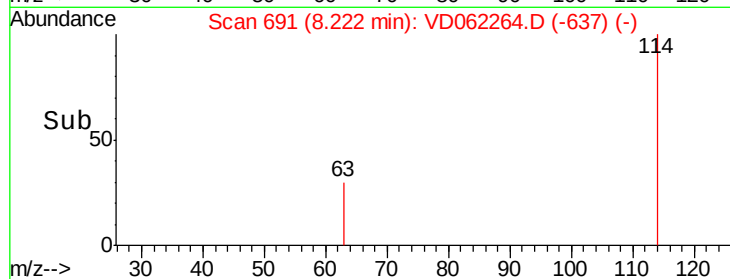
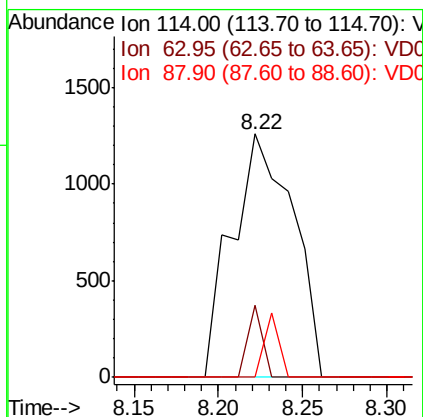
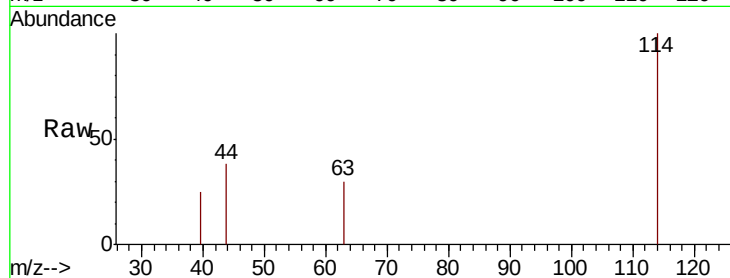




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062264.D
 Acq: 12 May 2019 17:37

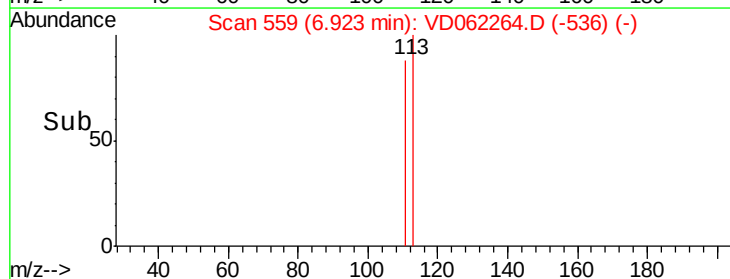
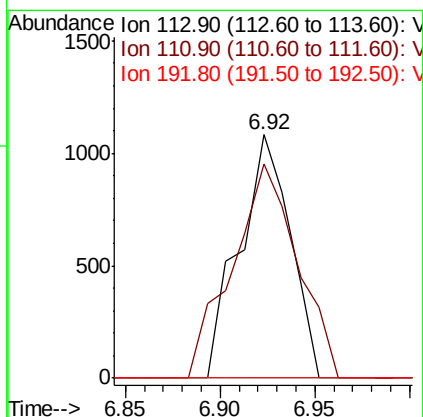
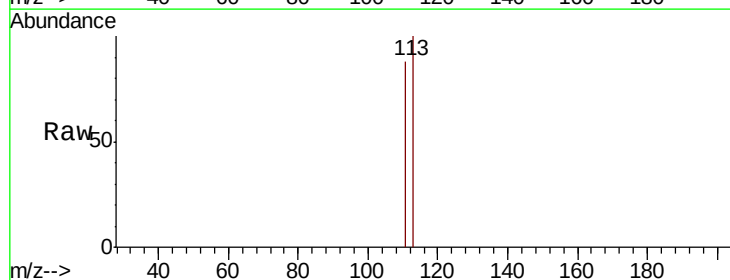
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0002-01

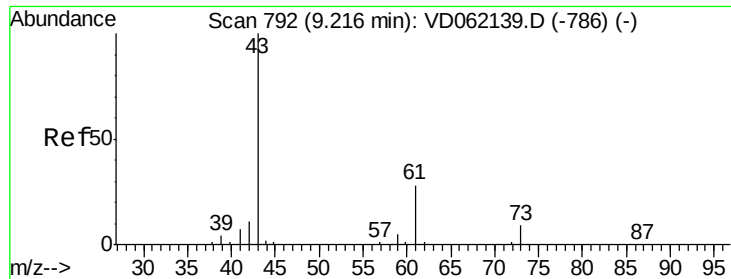
Tot Ion:114 Resp: 3171
 Ion Ratio Lower Upper
 114 100
 63 29.5 0.0 32.4
 88 0.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 76.852 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062264.D
 Acq: 12 May 2019 17:37

Tgt Ion:113 Resp: 2022
 Ion Ratio Lower Upper
 113 100
 111 87.7 78.5 117.7
 192 0.0 13.0 19.4#





#43

Isopropyl Acetate

Concen: 11.639 ug/l

RT: 9.50 min Scan# 821

Delta R.T. 0.29 min

Lab File: VD062264.D

Acq: 12 May 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0002-01

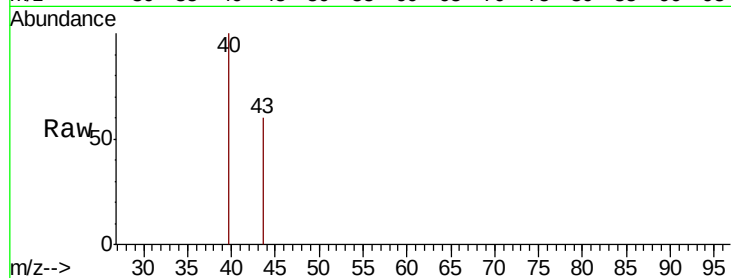
Tot Ion: 43 Resp: 182

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

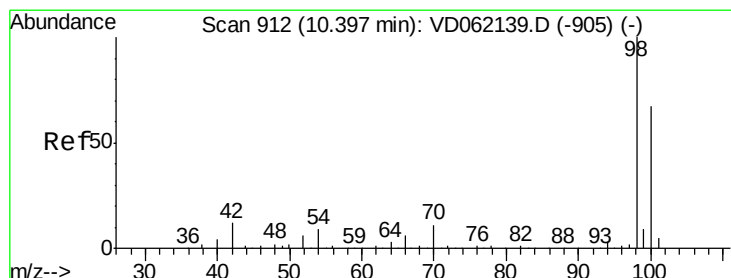
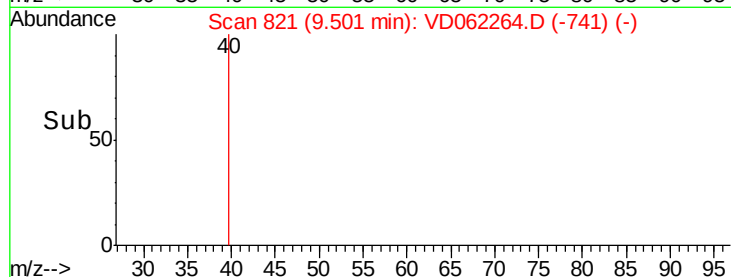
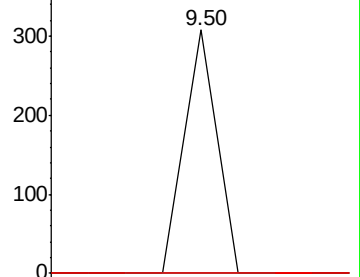
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 35.847 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062264.D

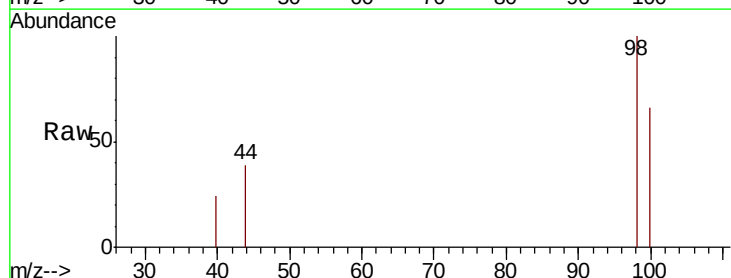
Acq: 12 May 2019 17:37

Tgt Ion: 98 Resp: 2274

Ion Ratio Lower Upper

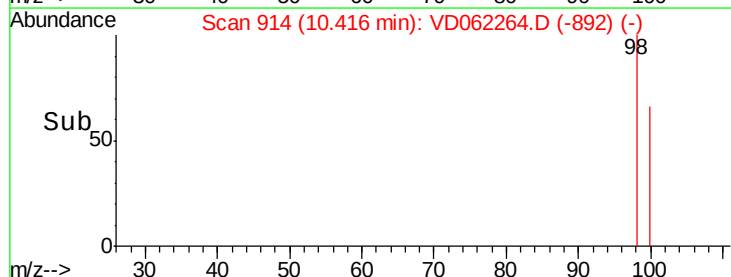
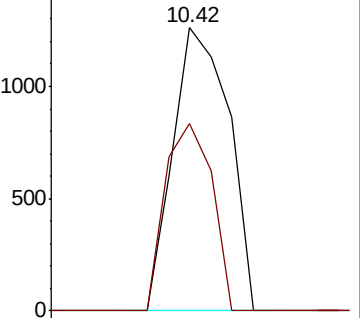
98 100

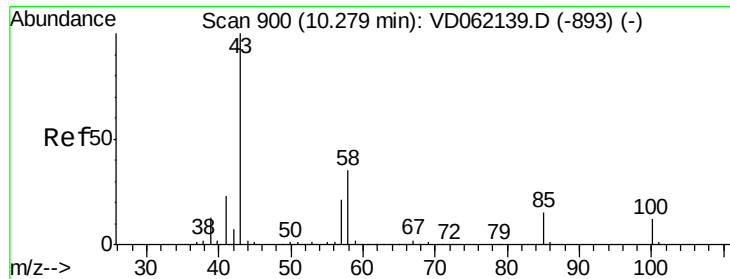
100 66.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

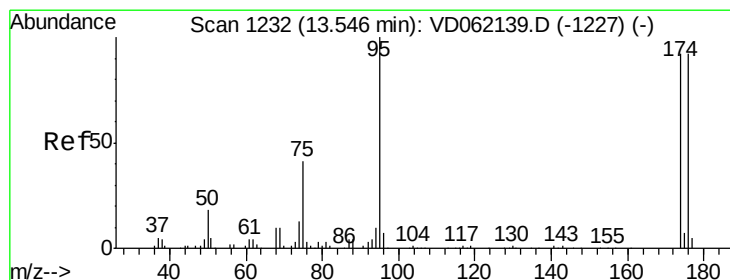
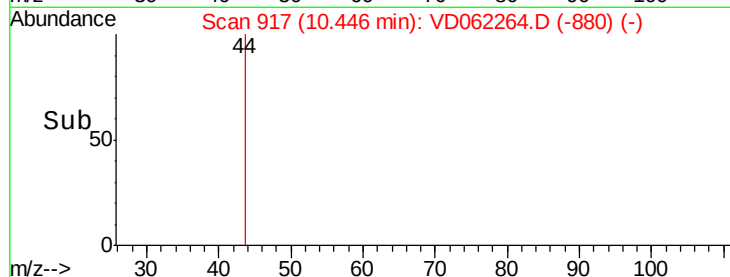
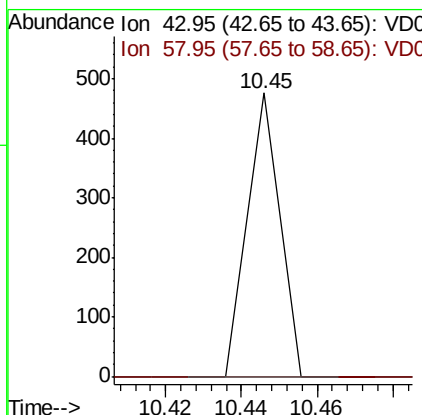
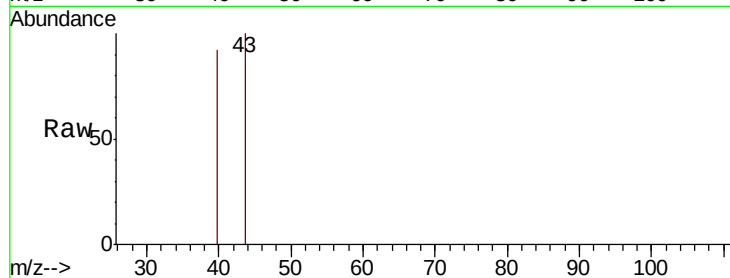




#51
 4-Methyl-2-Pentanone
 Concen: 27.955 ug/l
 RT: 10.45 min Scan# 917
 Delta R.T. 0.17 min
 Lab File: VD062264.D
 Acq: 12 May 2019 17:37

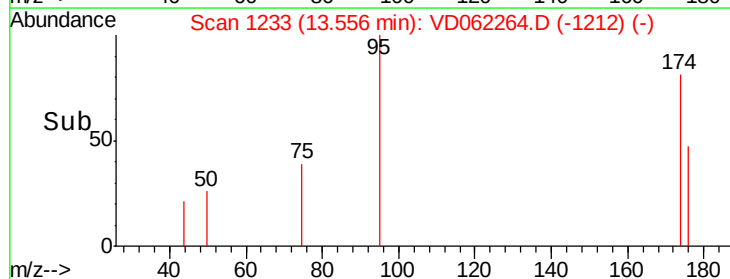
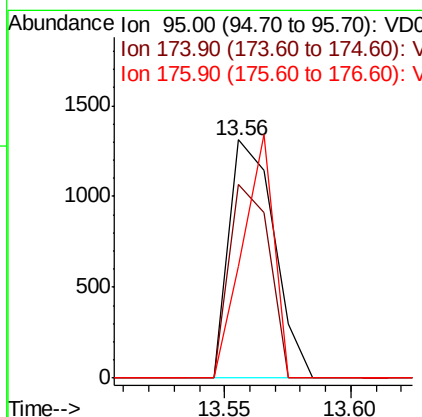
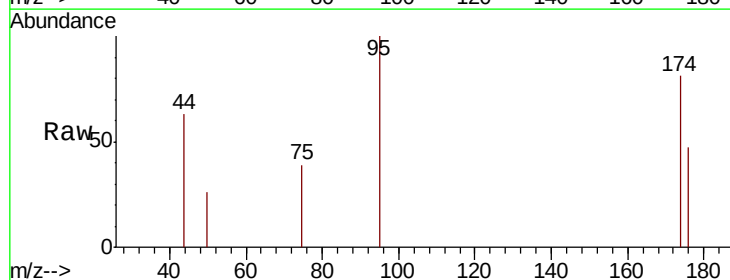
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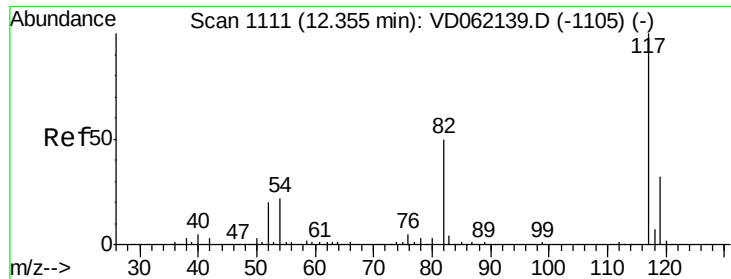
Tot Ion: 43 Resp: 281
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.4 45.6#



#62
 4-Bromofluorobenzene
 Concen: 63.870 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062264.D
 Acq: 12 May 2019 17:37

Tgt Ion: 95 Resp: 1627
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 181.8
 176 47.1 0.0 174.4

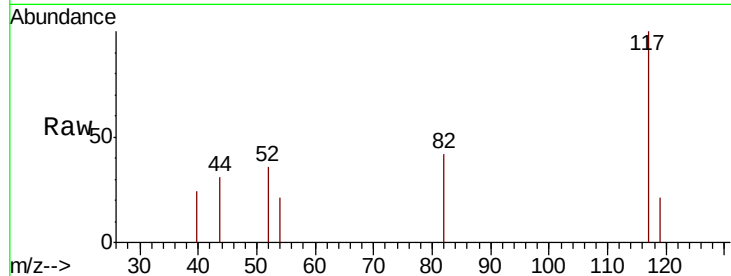




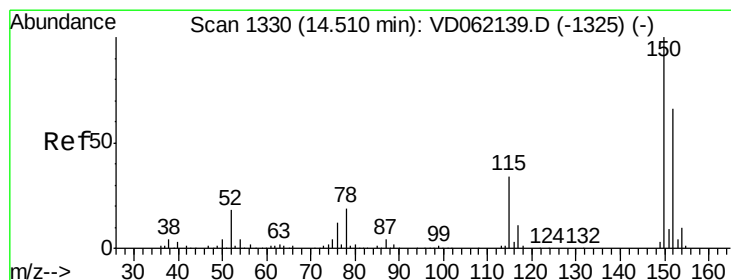
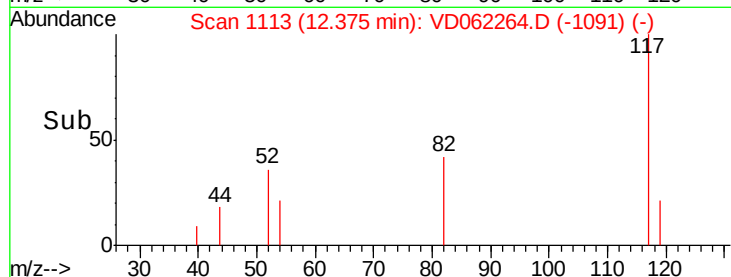
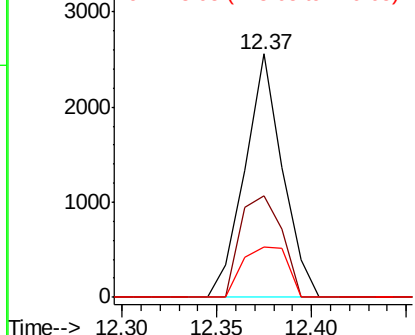
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062264.D
Acq: 12 May 2019 17:37

Instrument :
MSVOA_D
ClientSampleId :
P021-SS002-0002-01

Tot Ion:117 Resp: 3549
Ion Ratio Lower Upper
117 100
82 41.9 36.2 54.2
119 20.8 26.2 39.4#

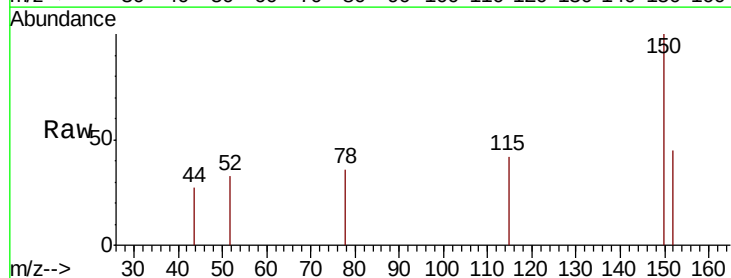


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

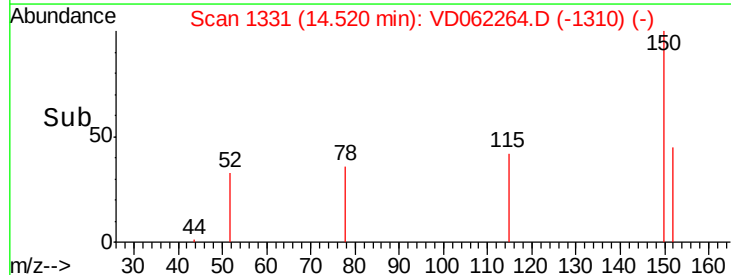
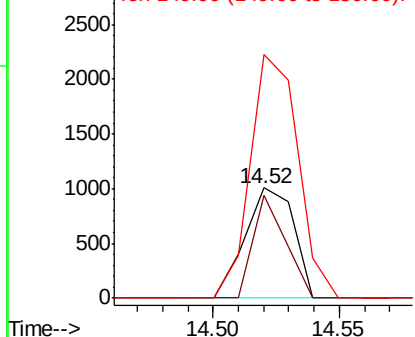


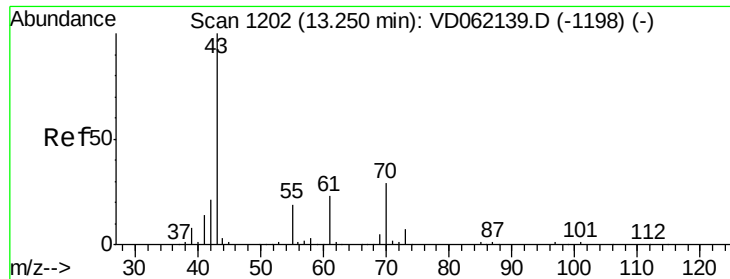
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062264.D
Acq: 12 May 2019 17:37

Tgt Ion:152 Resp: 1349
Ion Ratio Lower Upper
152 100
115 93.6 30.9 92.7#
150 221.6 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 11.462 ug/l

RT: 13.31 min Scan# 1208

Delta R.T. 0.06 min

Lab File: VD062264.D

Acq: 12 May 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0002-01

Tot Ion: 43 Resp: 243

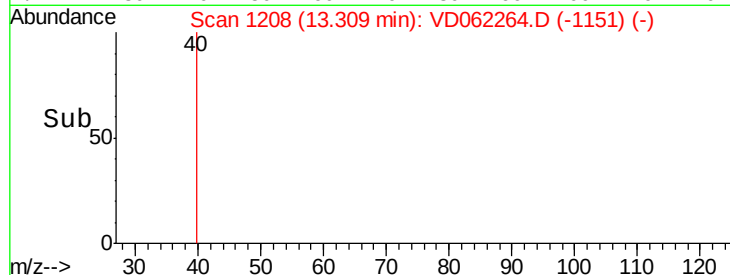
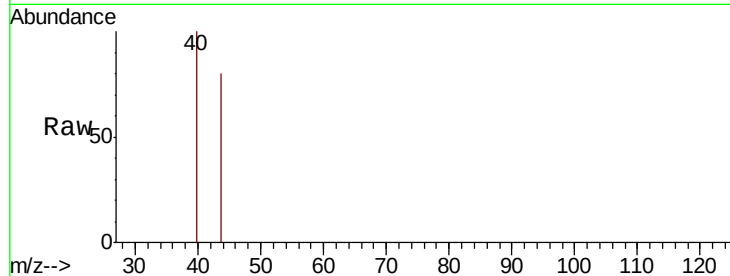
Ion Ratio Lower Upper

43 100

70 0.0 24.2 36.4#

55 0.0 16.0 24.0#

61 0.0 21.6 32.4#

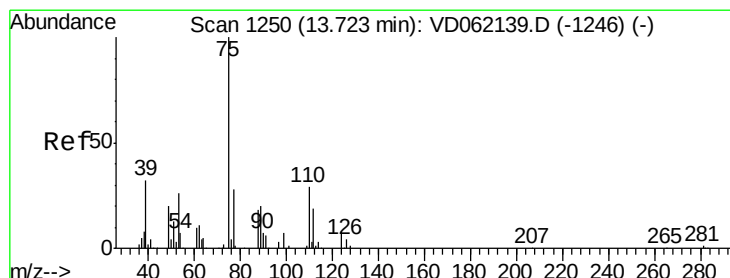
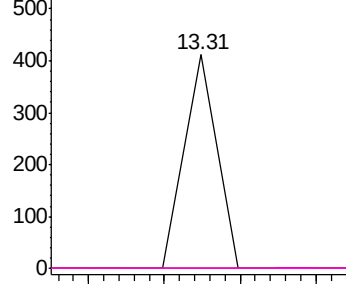


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#76

1,2,3-Trichloropropane

Concen: 16.779 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062264.D

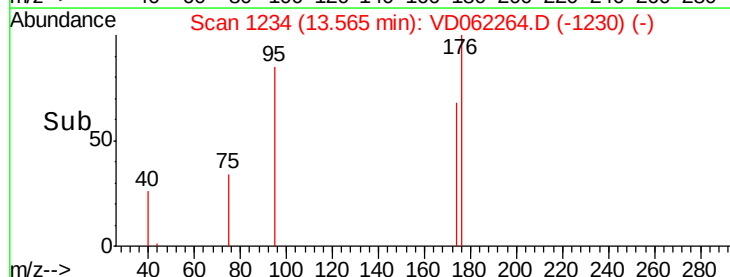
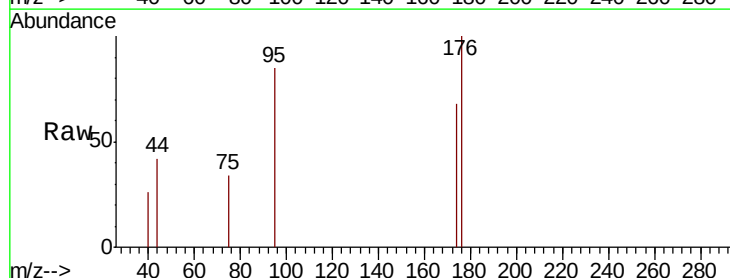
Acq: 12 May 2019 17:37

Tgt Ion: 75 Resp: 269

Ion Ratio Lower Upper

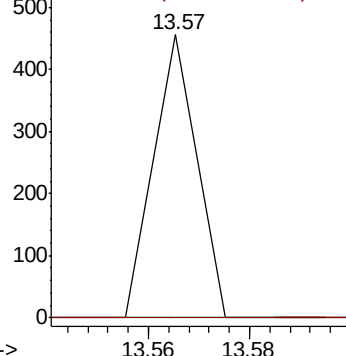
75 100

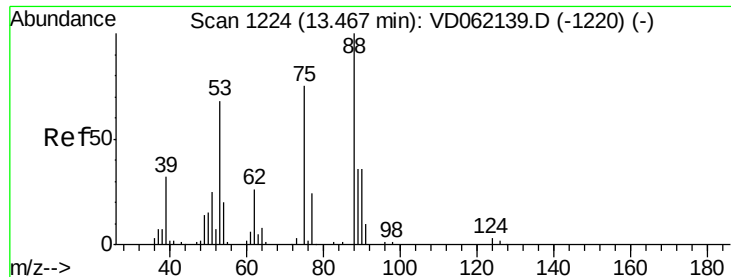
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 59.436 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062264.D

Acq: 12 May 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0002-01

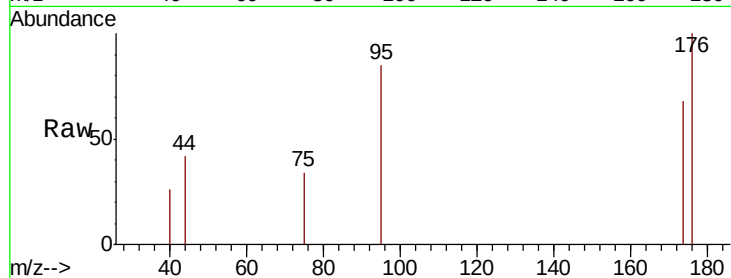
Tot Ion: 75 Resp: 269

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

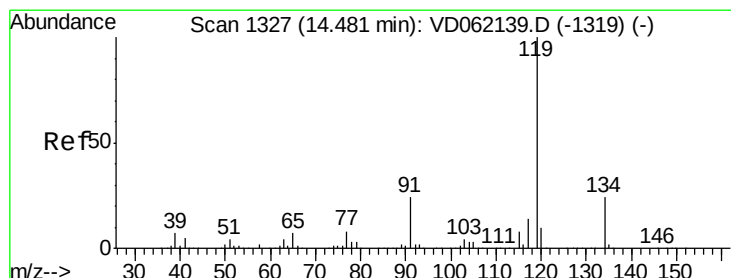
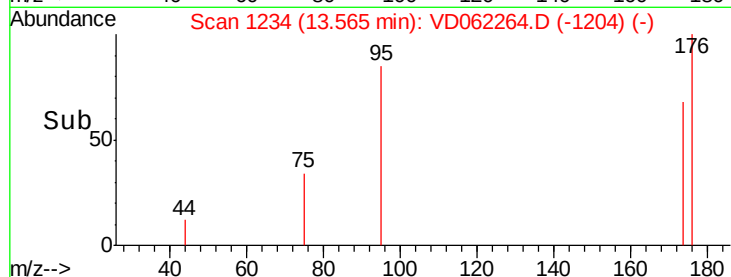
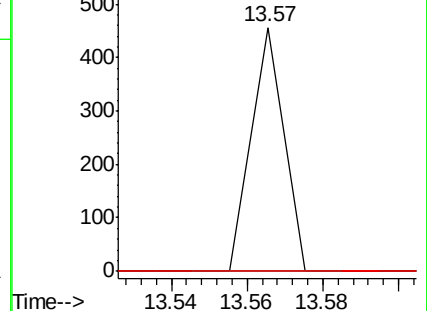
89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#86

p-Isopropyltoluene

Concen: 6.549 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062264.D

Acq: 12 May 2019 17:37

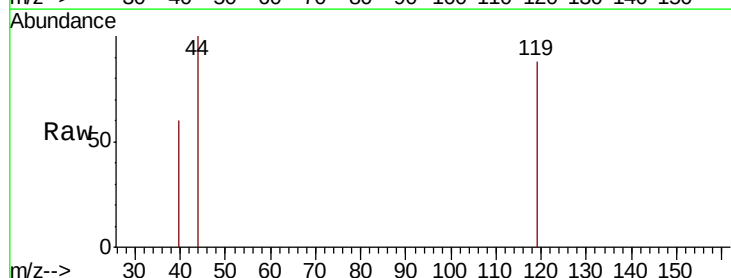
Tgt Ion: 119 Resp: 491

Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

91 0.0 10.7 32.1#



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): VDC

