

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063647.D
 Acq On : 16 Aug 2019 19:25
 Operator : JC/SY
 Sample : K4391-02
 Misc : 5.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 N-WALL-2

Quant Time: Aug 17 06:03:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	108264	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	160650	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	153901	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	77543	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	102006	88.14	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	176.28%	
35) Dibromofluoromethane	6.91	113	86166	63.68	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	127.36%	
50) Toluene-d8	10.40	98	154043	51.79	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	13.55	95	75134	55.73	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	111.46%	

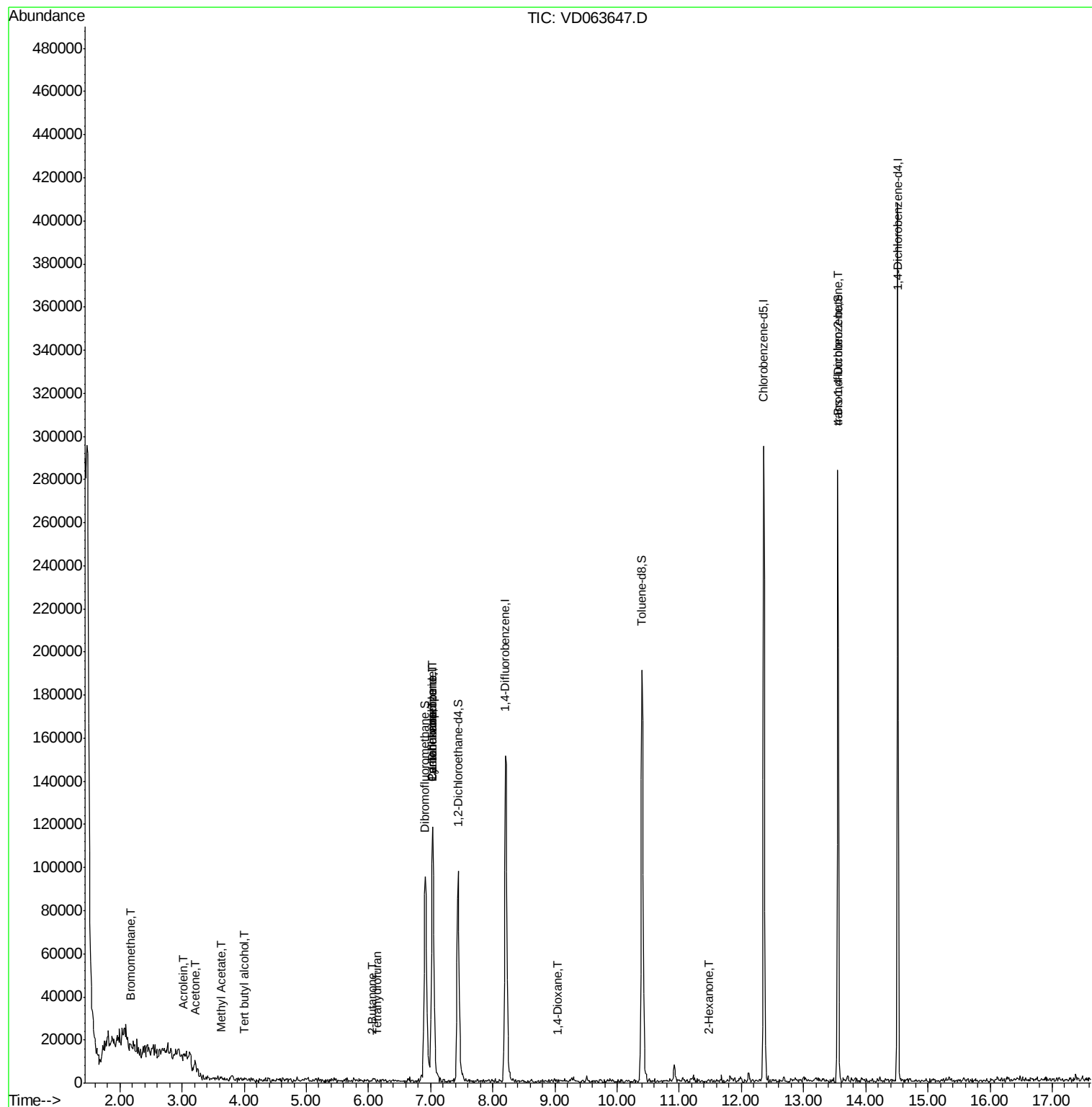
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1130	2.357	ug/l #	11
11) Tert butyl alcohol	4.00	59	191	3.791	ug/l #	71
13) Acrolein	3.03	56	208	4.195	ug/l #	18
16) Acetone	3.22	43	11545	49.076	ug/l #	85
18) Methyl Acetate	3.64	43	615	1.380	ug/l #	57
25) 2-Butanone	6.07	43	876	3.770	ug/l #	58
29) Tetrahydrofuran	6.15	42	185	1.709	ug/l #	35
31) Cyclohexane	7.03	56	2547	2.438	ug/l #	42
36) 1,1-Dichloropropene	7.04	75	8324	5.861	ug/l #	42
38) Carbon Tetrachloride	7.04	117	10512	4.911	ug/l #	13
49) 1,4-Dioxane	9.05	88	207	66.564	ug/l #	30
59) 2-Hexanone	11.47	43	589	1.484	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	33461	139.892	ug/l #	1

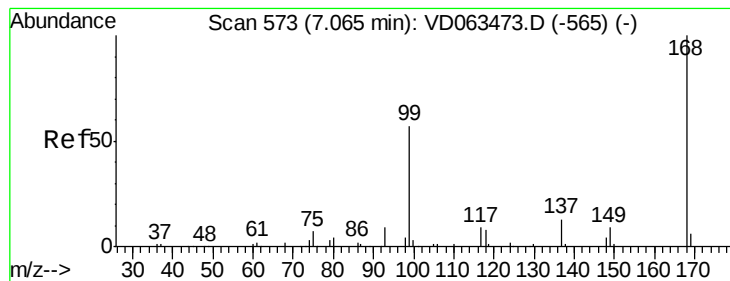
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

Instrument :

MSVOA_D

ClientSampleId :

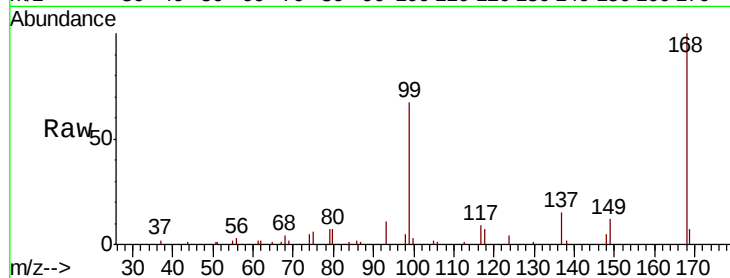
N-WALL-2

Tgt Ion:168 Resp: 108264

Ion Ratio Lower Upper

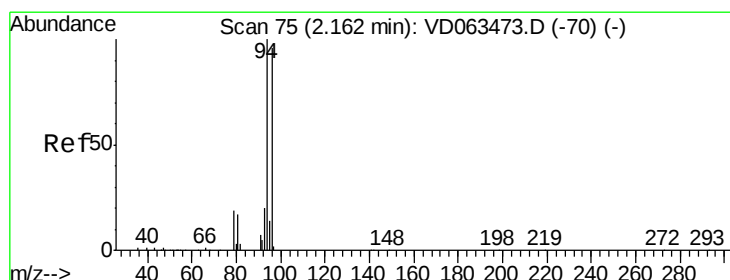
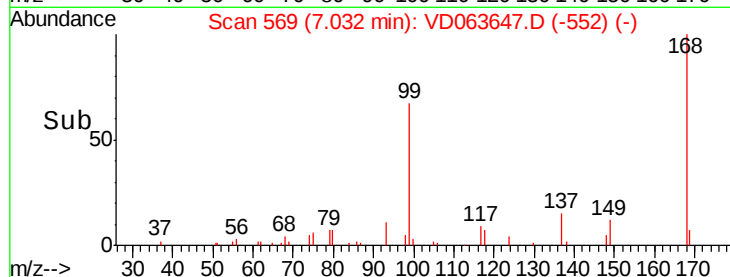
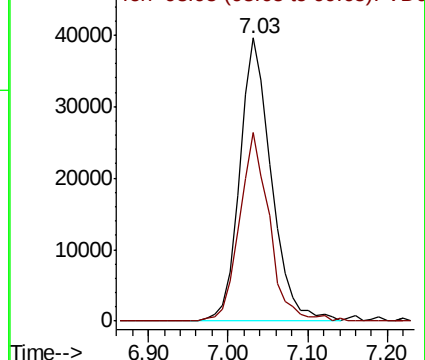
168 100

99 66.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.357 ug/l

RT: 2.19 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

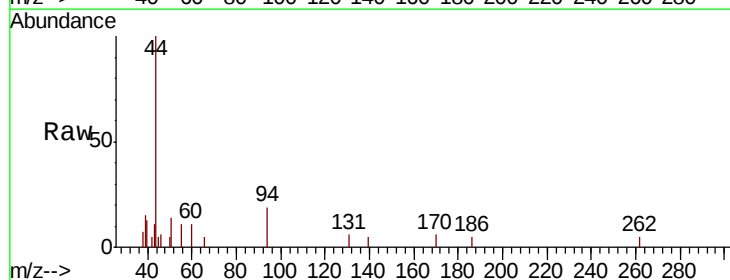
Tgt Ion: 94 Resp: 1130

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

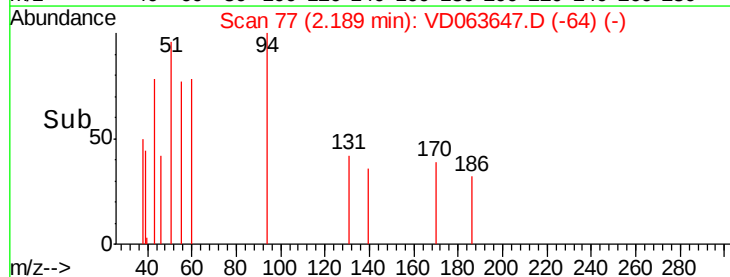
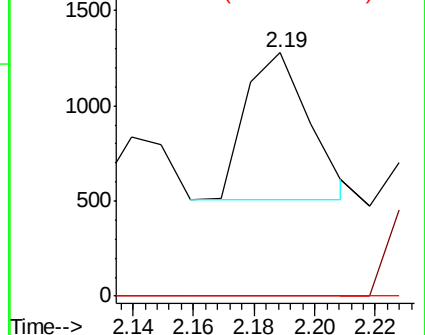
93 0.0 15.8 23.8#

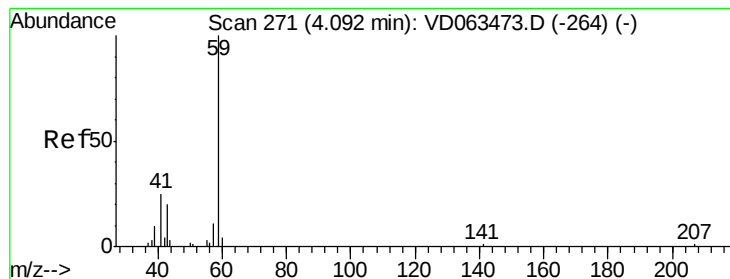


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#11

Tert butyl alcohol

Concen: 3.791 ug/l

RT: 4.00 min Scan# 261

Delta R.T. -0.09 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

Instrument :

MSVOA_D

ClientSampleId :

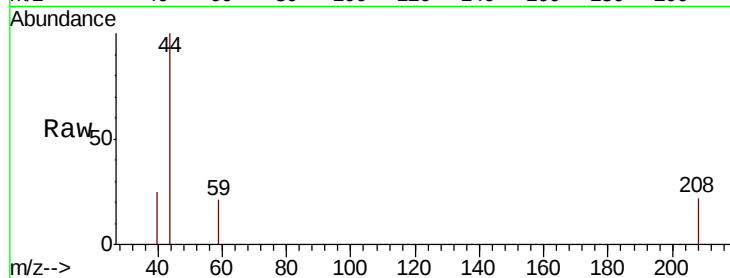
N-WALL-2

Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

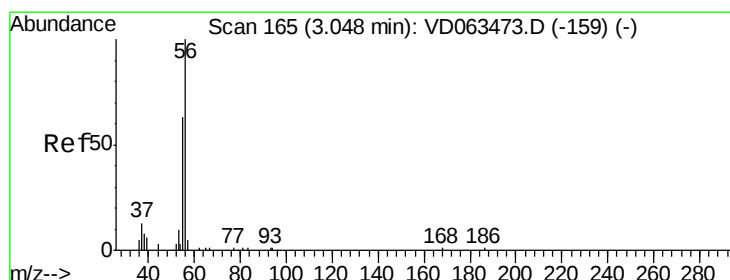
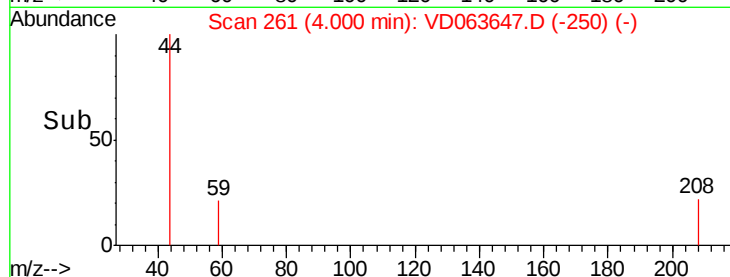
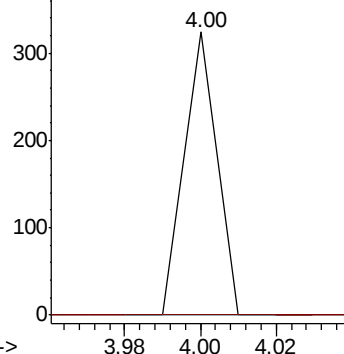
59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#13

Acrolein

Concen: 4.195 ug/l

RT: 3.03 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD063647.D

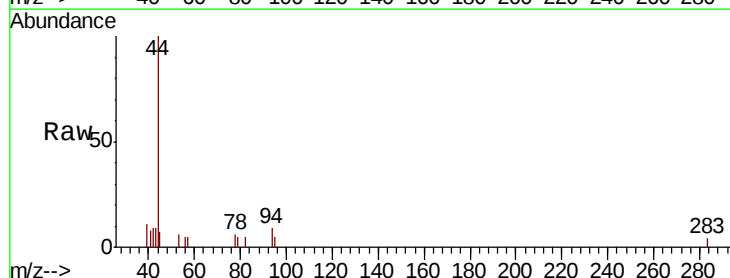
Acq: 16 Aug 2019 19:25

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

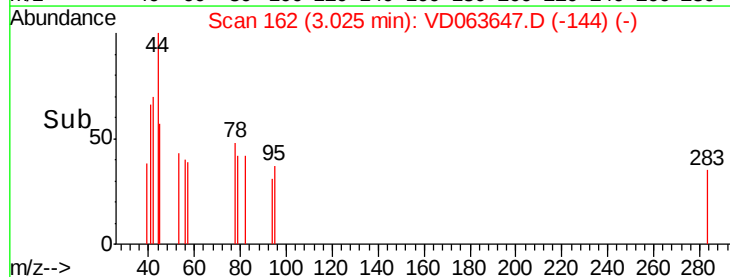
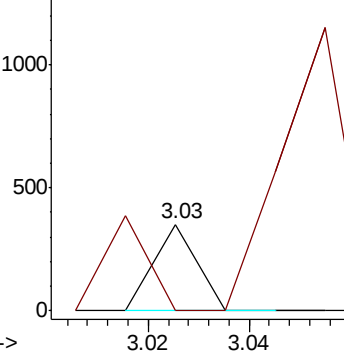
56 100

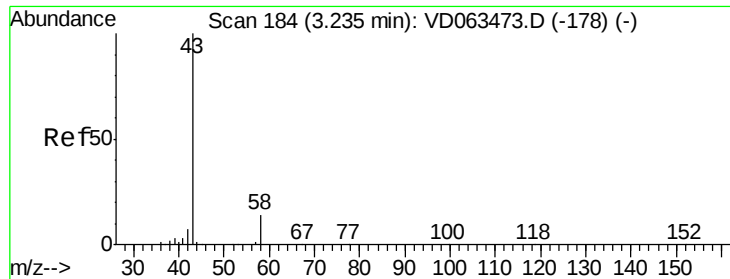
55 0.0 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 49.076 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

Instrument :

MSVOA_D

ClientSampleId :

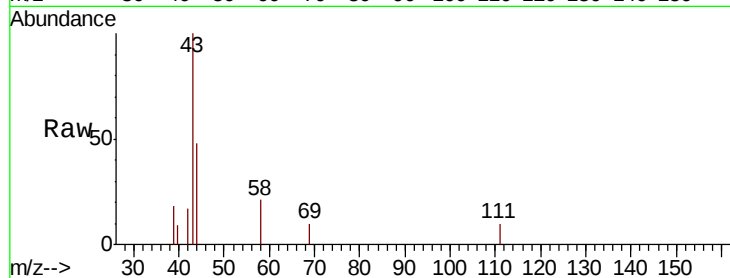
N-WALL-2

Tgt Ion: 43 Resp: 11545

Ion Ratio Lower Upper

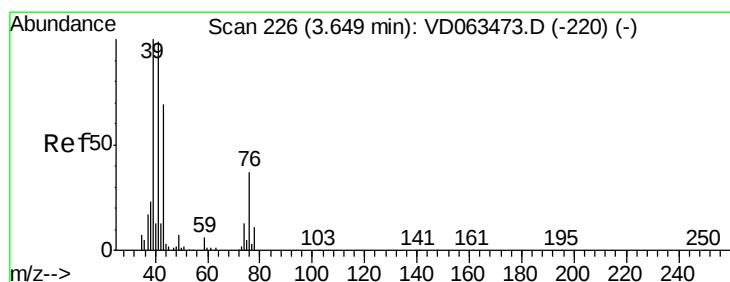
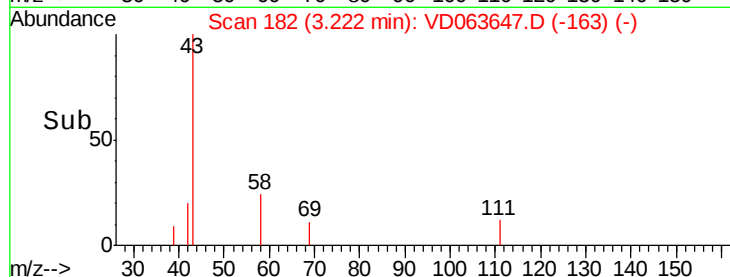
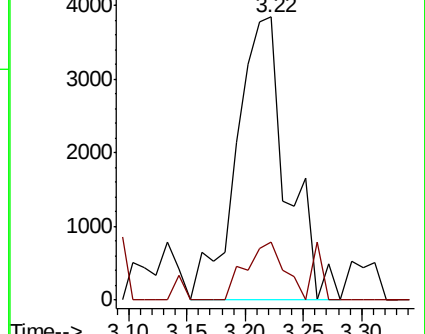
43 100

58 20.5 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.380 ug/l

RT: 3.64 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD063647.D

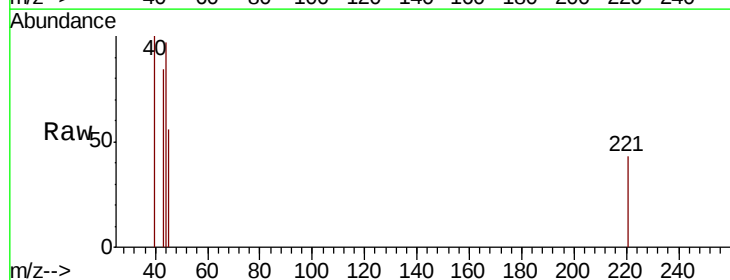
Acq: 16 Aug 2019 19:25

Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

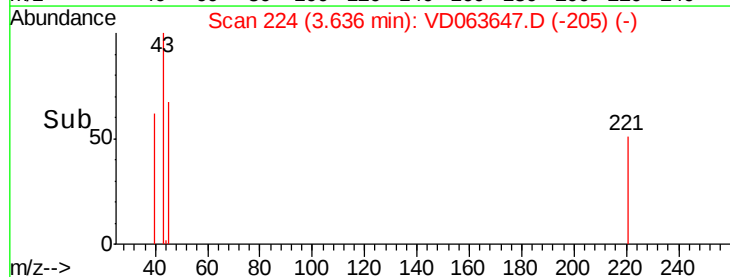
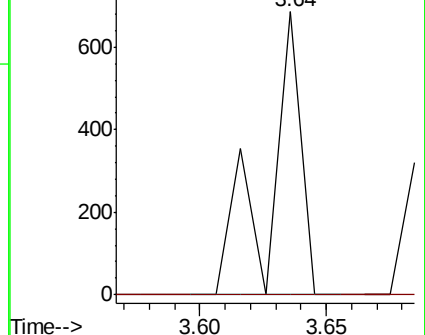
43 100

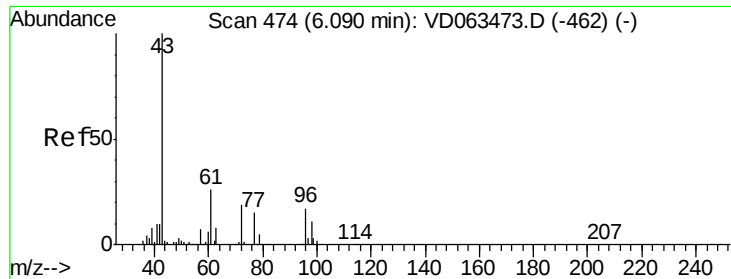
74 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

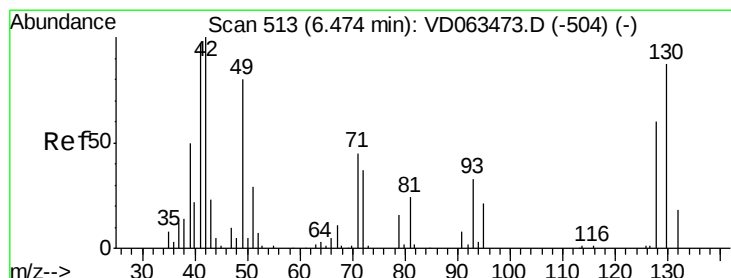
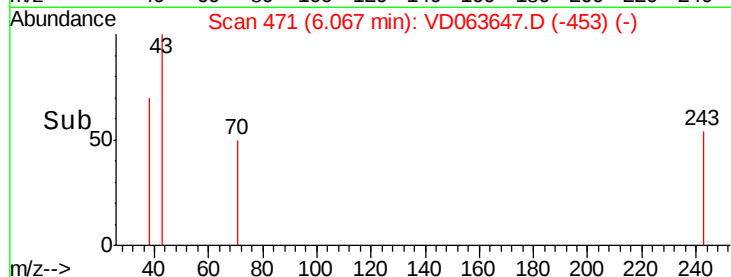
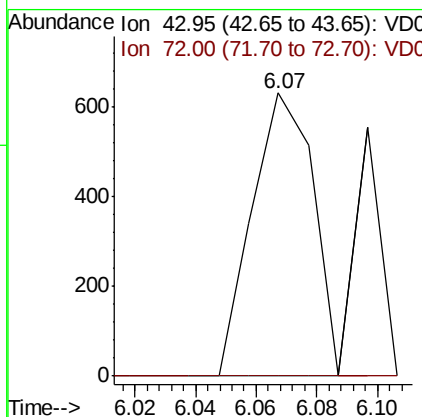
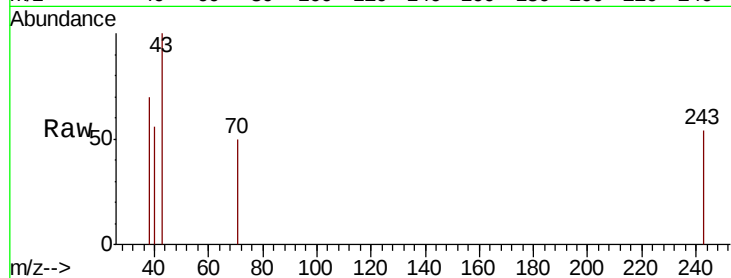




#25
 2-Butanone
 Concen: 3.770 ug/l
 RT: 6.07 min Scan# 471
 Delta R.T. -0.02 min
 Lab File: VD063647.D
 Acq: 16 Aug 2019 19:25

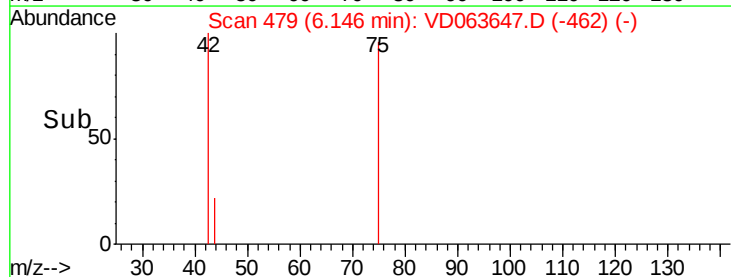
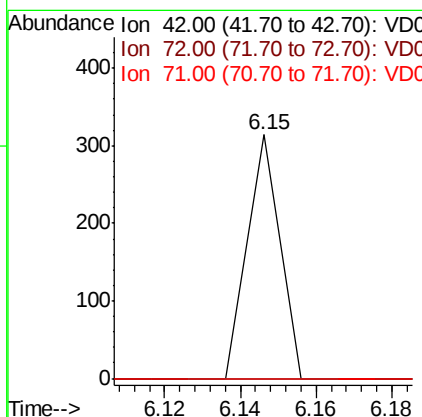
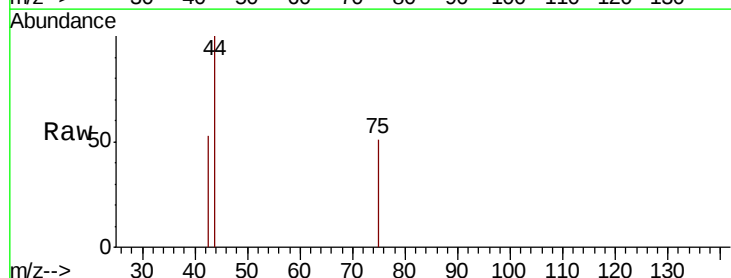
Instrument :
 MSVOA_D
 ClientSampleID :
 N-WALL-2

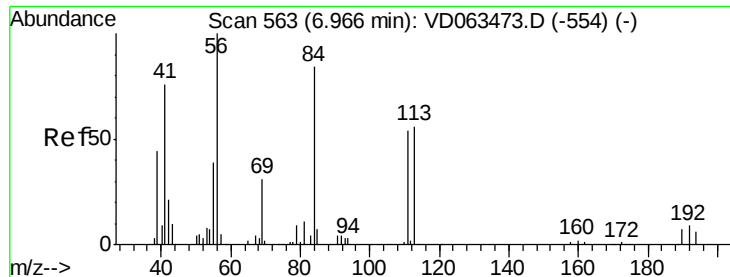
Tgt Ion: 43 Resp: 876
 Ion Ratio Lower Upper
 43 100
 72 0.0 15.1 22.7#



#29
 Tetrahydrofuran
 Concen: 1.709 ug/l
 RT: 6.15 min Scan# 479
 Delta R.T. -0.33 min
 Lab File: VD063647.D
 Acq: 16 Aug 2019 19:25

Tgt Ion: 42 Resp: 185
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.5 47.3#
 71 0.0 33.8 50.8#

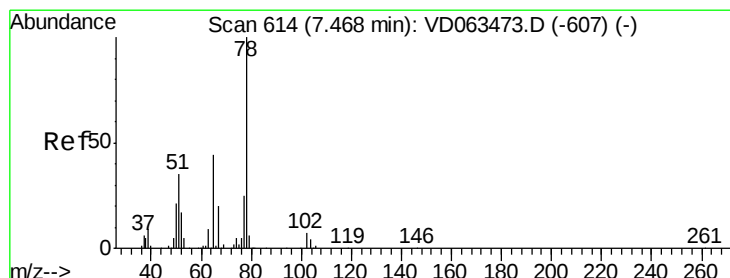
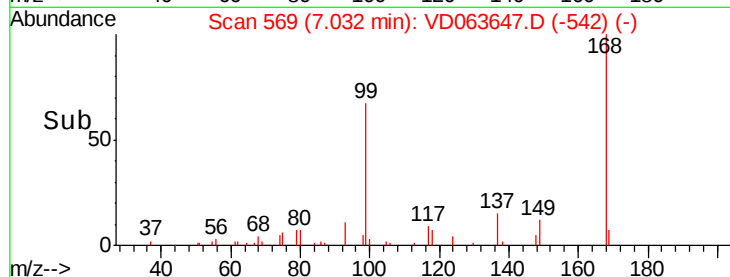
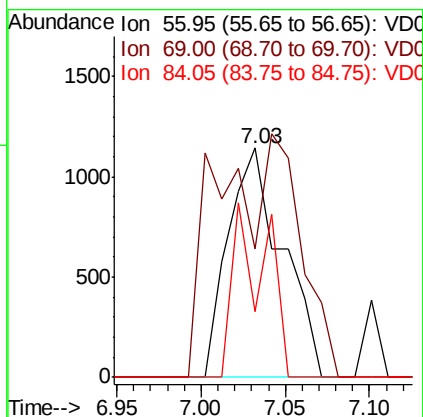
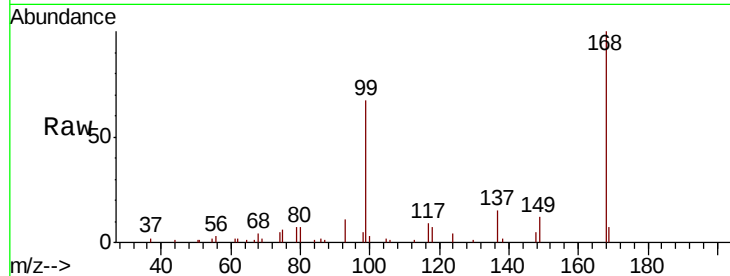




#31
Cyclohexane
Concen: 2.438 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD063647.D
Acq: 16 Aug 2019 19:25

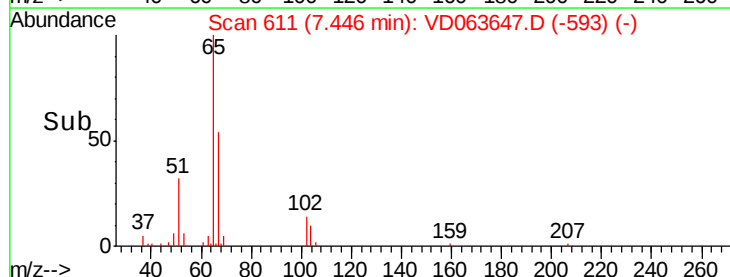
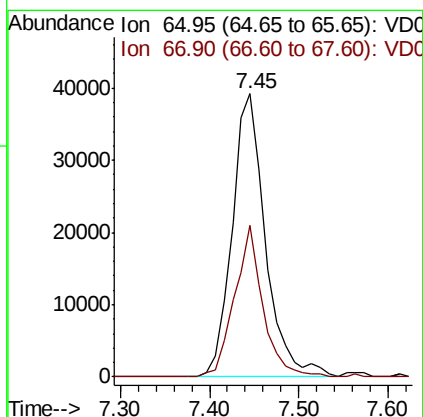
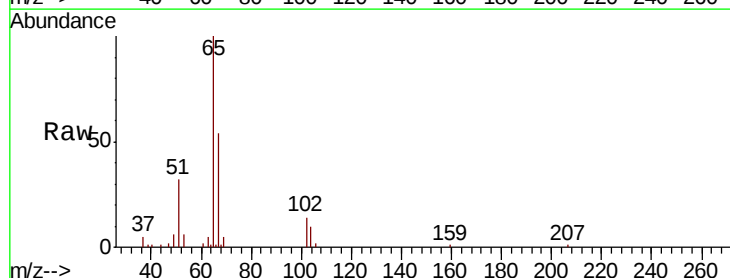
Instrument :
MSVOA_D
ClientSampleId :
N-WALL-2

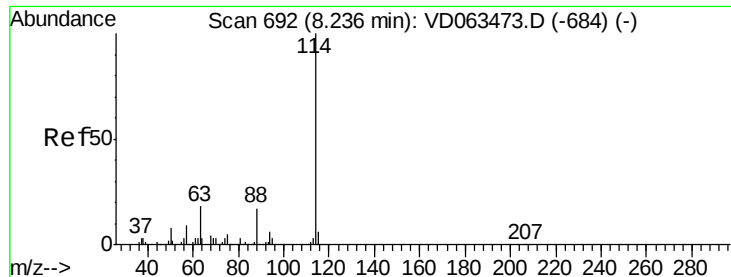
Tgt Ion: 56 Resp: 2547
Ion Ratio Lower Upper
56 100
69 56.3 25.0 37.6#
84 28.9 69.7 104.5#



#33
1,2-Dichloroethane-d4
Concen: 88.145 ug/l
RT: 7.45 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063647.D
Acq: 16 Aug 2019 19:25

Tgt Ion: 65 Resp: 102006
Ion Ratio Lower Upper
65 100
67 53.6 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

Instrument :

MSVOA_D

ClientSampleId :

N-WALL-2

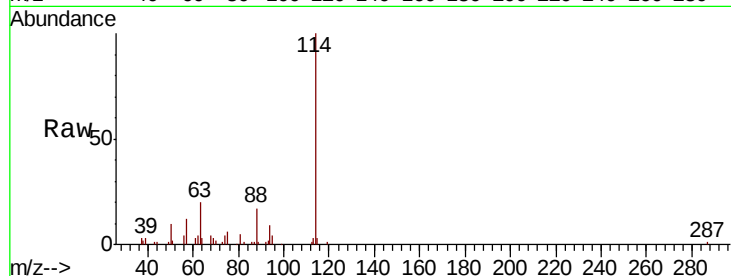
Tgt Ion:114 Resp: 160650

Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.2

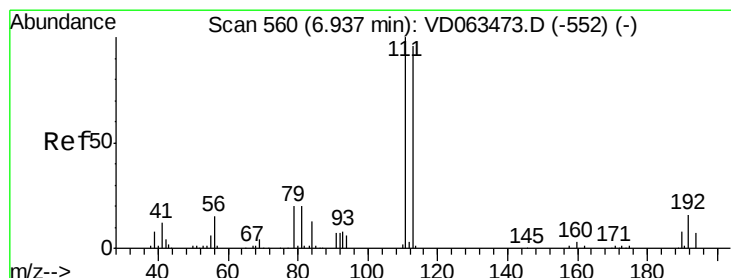
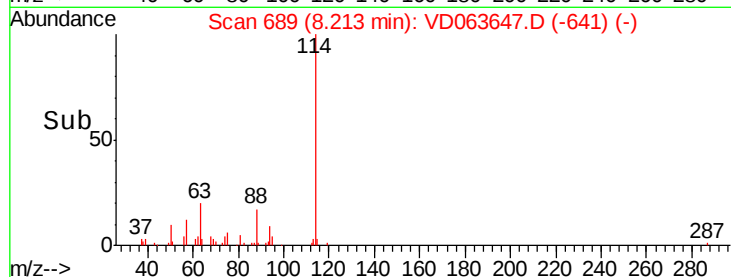
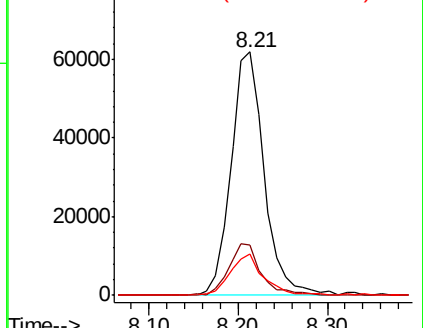
88 16.9 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 63.685 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

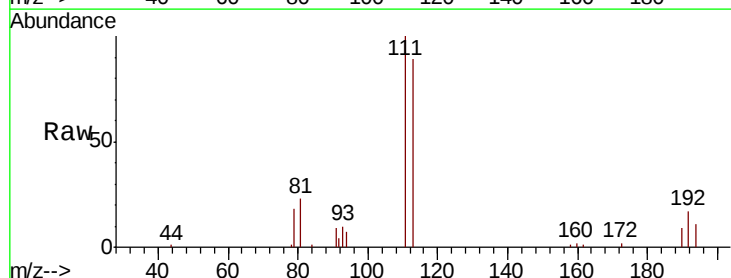
Tgt Ion:113 Resp: 86166

Ion Ratio Lower Upper

113 100

111 112.0 83.1 124.7

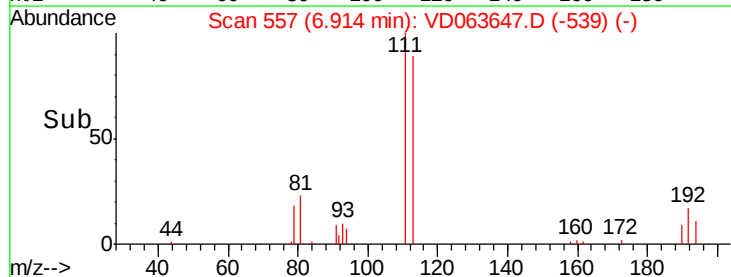
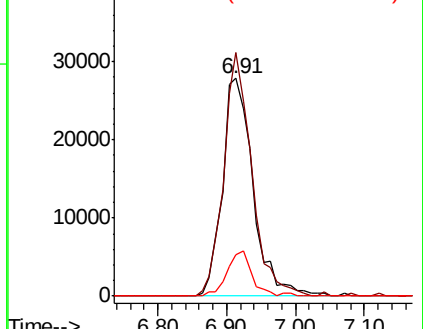
192 18.8 13.1 19.7

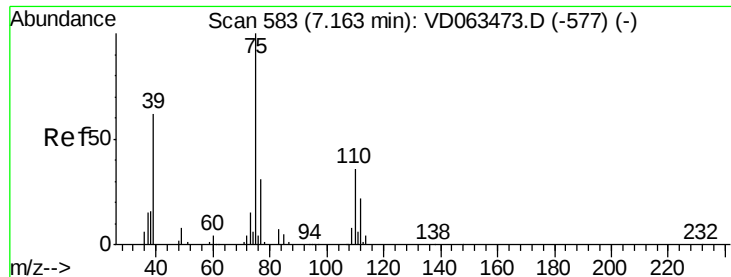


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.861 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

Instrument :

MSVOA_D

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N-WALL-2

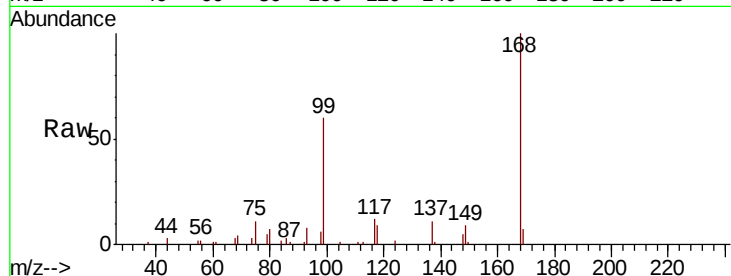
Tgt Ion: 75 Resp: 8324

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.8#

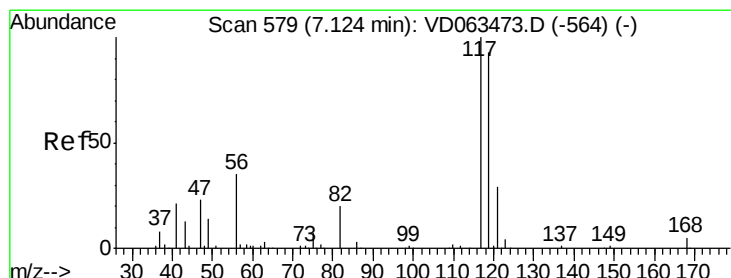
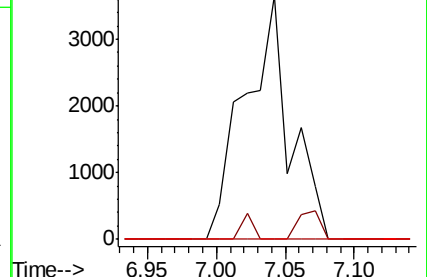
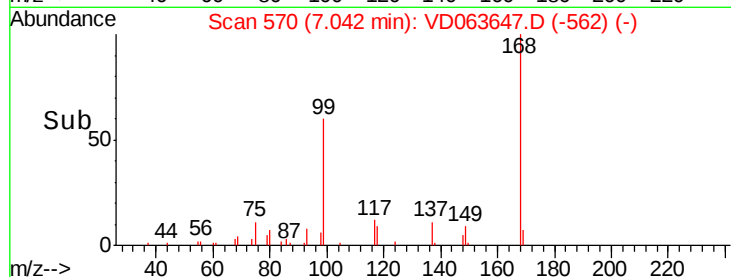
77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VD063473.D (-577) (-)

Ion 109.90 (109.60 to 110.60): VD063473.D (-577) (-)

Ion 76.95 (76.65 to 77.65): VD063473.D (-577) (-)



#38

Carbon Tetrachloride

Concen: 4.911 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

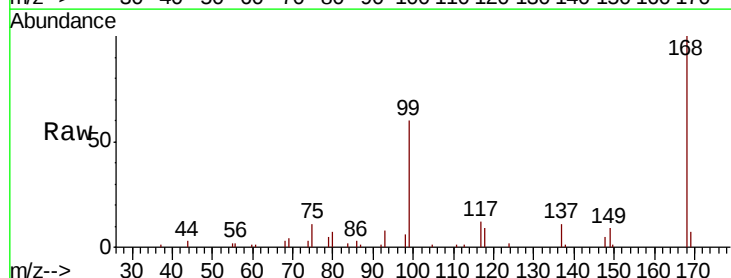
Tgt Ion: 117 Resp: 10512

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

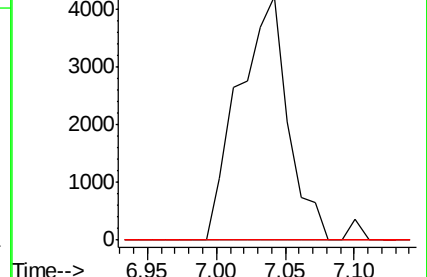
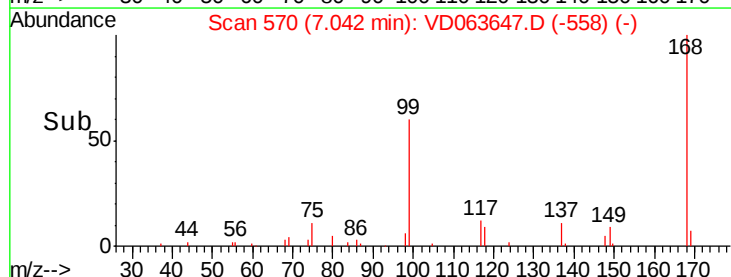
121 0.0 23.1 34.7#

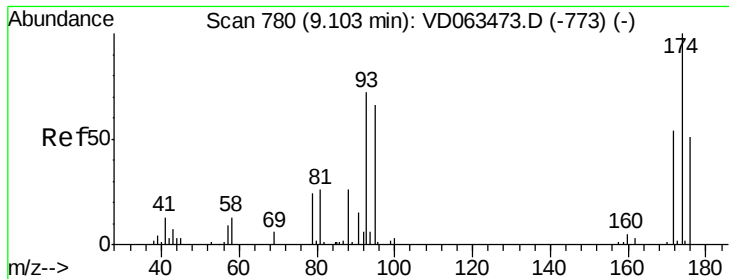


Abundance Ion 116.85 (116.55 to 117.55): VD063473.D (-564) (-)

Ion 118.85 (118.55 to 119.55): VD063473.D (-564) (-)

Ion 120.85 (120.55 to 121.55): VD063473.D (-564) (-)

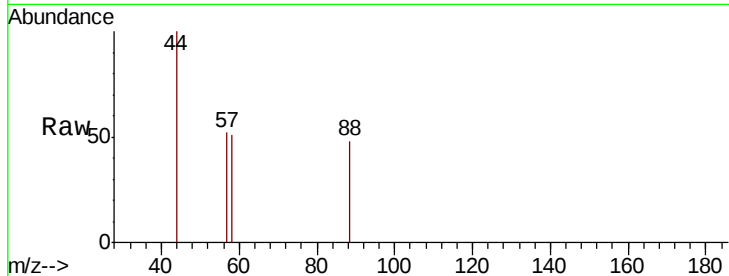




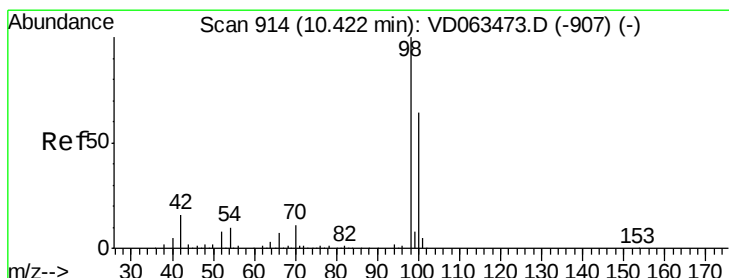
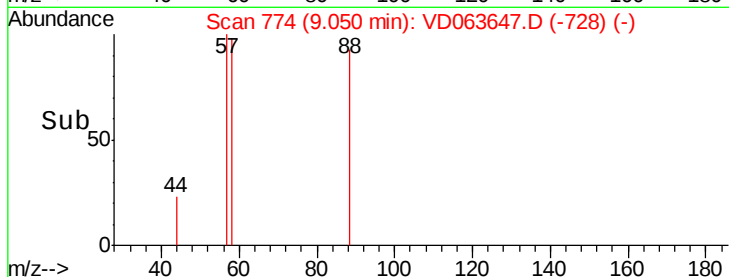
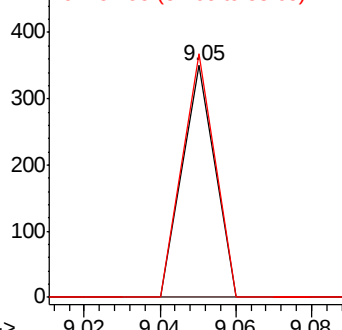
#49
 1,4-Dioxane
 Concen: 66.564 ug/l
 RT: 9.05 min Scan# 774
 Delta R.T. -0.05 min
 Lab File: VD063647.D
 Acq: 16 Aug 2019 19:25

Instrument :
 MSVOA_D
 ClientSampleId :
 N-WALL-2

Tgt Ion: 88 Resp: 207
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 105.1 40.1 60.1#

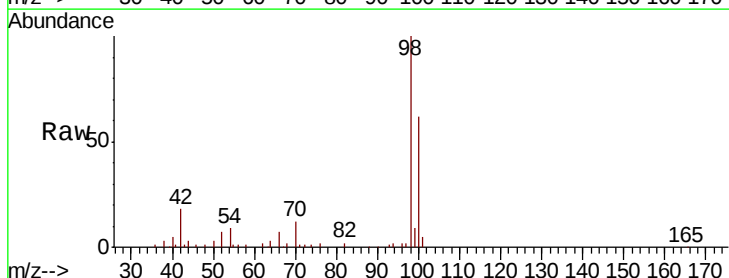


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

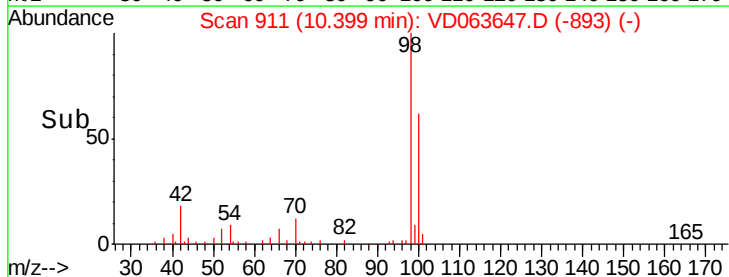
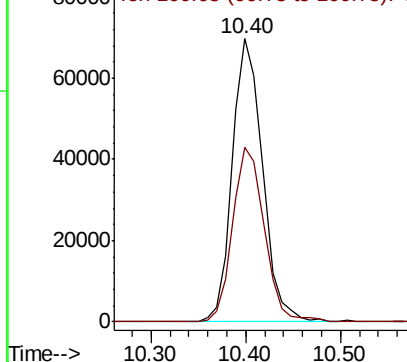


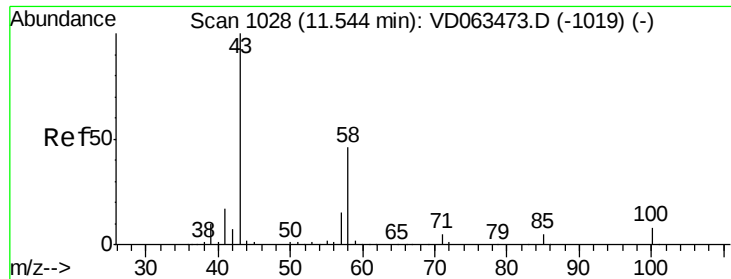
#50
 Toluene-d8
 Concen: 51.785 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: VD063647.D
 Acq: 16 Aug 2019 19:25

Tgt Ion: 98 Resp: 154043
 Ion Ratio Lower Upper
 98 100
 100 61.9 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC

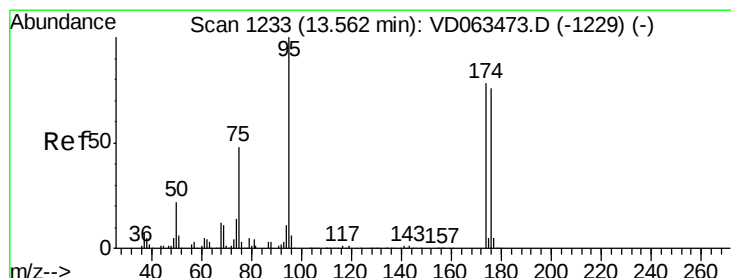
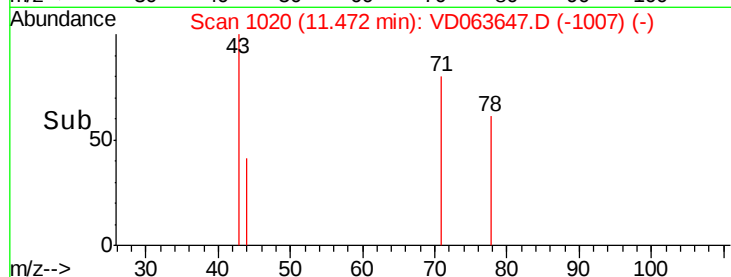
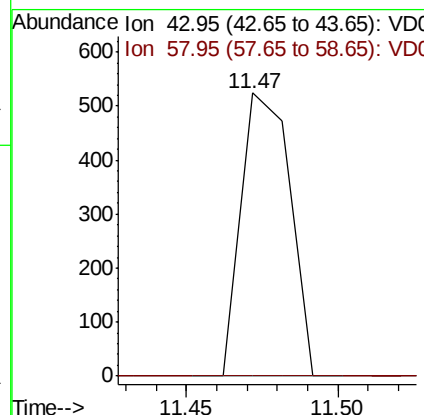
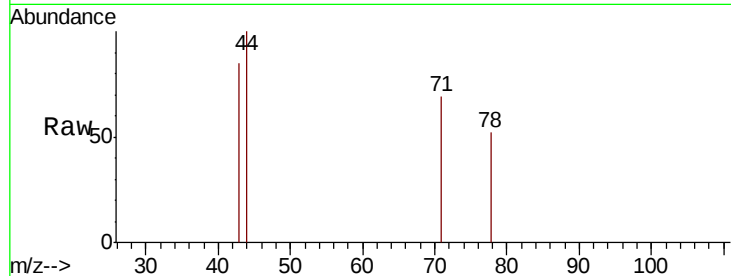




#59
2-Hexanone
Concen: 1.484 ug/l
RT: 11.47 min Scan# 1020
Delta R.T. -0.07 min
Lab File: VD063647.D
Acq: 16 Aug 2019 19:25

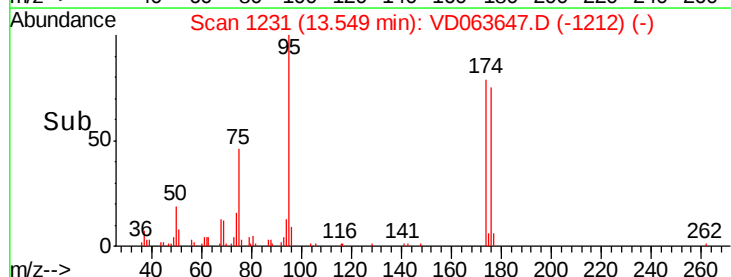
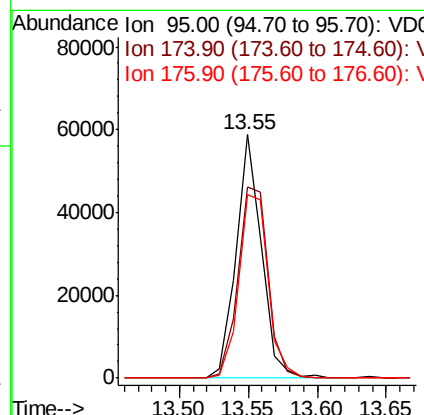
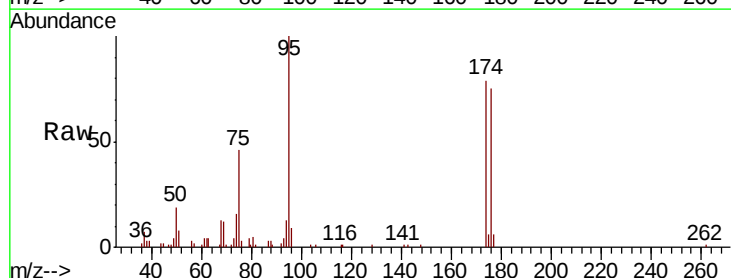
Instrument :
MSVOA_D
ClientSampleId :
N-WALL-2

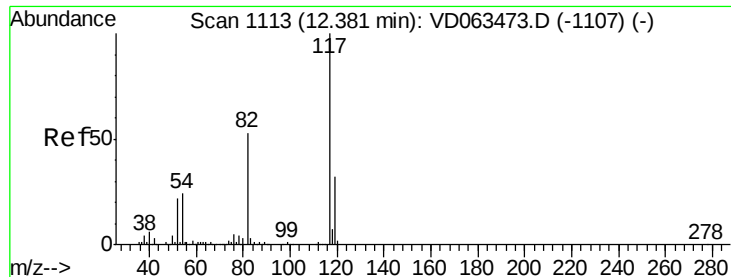
Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
58 0.0 23.1 69.2#



#62
4-Bromofluorobenzene
Concen: 55.728 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063647.D
Acq: 16 Aug 2019 19:25

Tgt Ion: 95 Resp: 75134
Ion Ratio Lower Upper
95 100
174 78.7 0.0 155.4
176 75.3 0.0 152.4

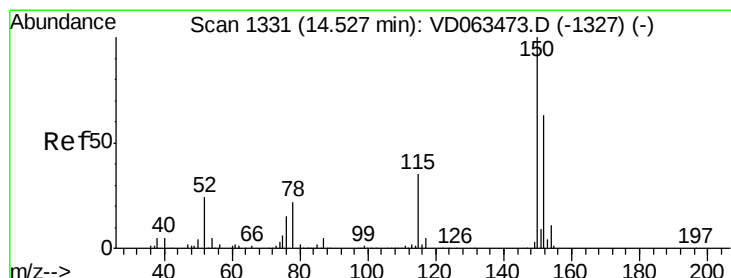
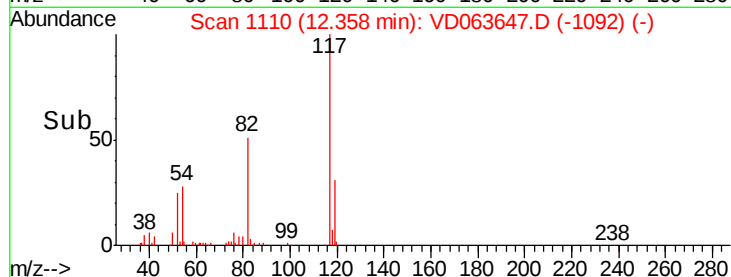
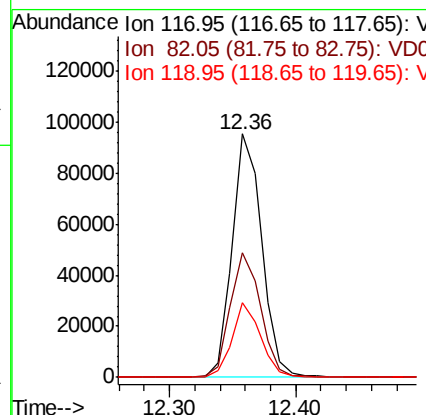
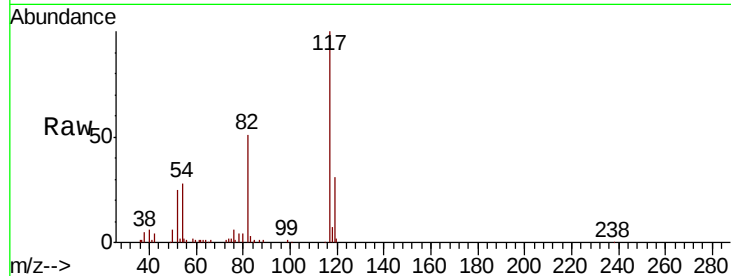




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD063647.D
Acq: 16 Aug 2019 19:25

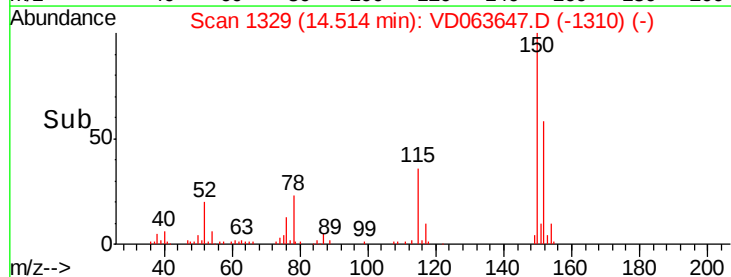
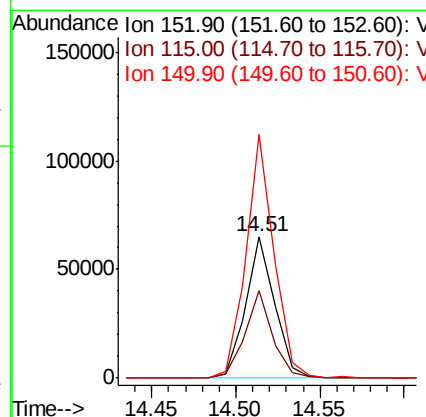
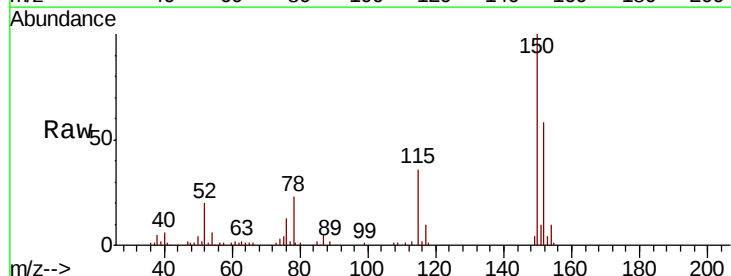
Instrument :
MSVOA_D
ClientSampleId :
N-WALL-2

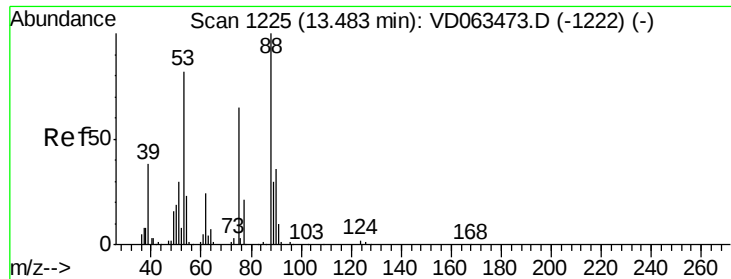
Tgt Ion:117 Resp: 153901
Ion Ratio Lower Upper
117 100
82 51.4 42.0 63.0
119 30.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063647.D
Acq: 16 Aug 2019 19:25

Tgt Ion:152 Resp: 77543
Ion Ratio Lower Upper
152 100
115 61.7 30.9 92.7
150 172.4 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 139.892 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD063647.D

Acq: 16 Aug 2019 19:25

Instrument :

MSVOA_D

ClientSampleId :

N-WALL-2

Tgt Ion: 75 Resp: 33461

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

