

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060727.D
 Acq On : 27 Dec 2018 15:35
 Operator : VA/AP
 Sample : J6446-11RE
 Misc : 4.12g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS021-1824-01RE

Quant Time: Dec 28 01:37:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	357069	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	575265	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.25	117	332982	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.35	152	78065	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	283069	114.72	ug/l	-0.05
Spiked Amount			Recovery	=	229.44%	
35) Dibromofluoromethane	6.28	113	310002	73.63	ug/l	-0.05
Spiked Amount			Recovery	=	147.26%	
50) Toluene-d8	9.42	98	515574	41.04	ug/l	-0.04
Spiked Amount			Recovery	=	82.08%	
62) 4-Bromofluorobenzene	12.40	95	109650	24.92	ug/l	-0.02
Spiked Amount			Recovery	=	49.84%	

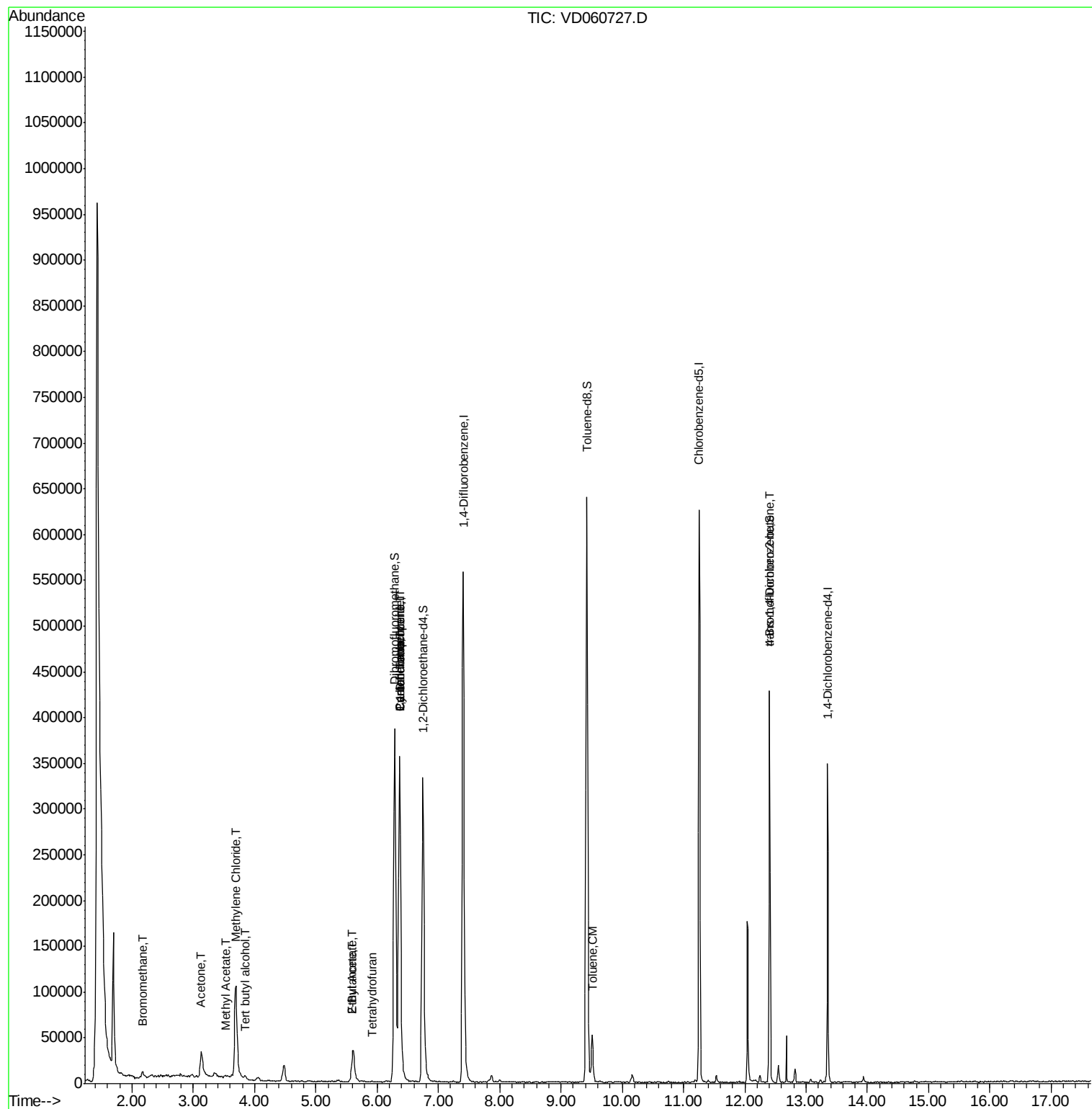
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1152	1.543	ug/l #	78
11) Tert butyl alcohol	3.85	59	3411	33.076	ug/l #	74
16) Acetone	3.12	43	62131	144.178	ug/l	93
18) Methyl Acetate	3.52	43	5812	5.442	ug/l #	63
20) Methylene Chloride	3.70	84	72458	16.191	ug/l	97
25) 2-Butanone	5.58	43	11251	13.644	ug/l	96
29) Tetrahydrofuran	5.92	42	698	1.493	ug/l #	40
31) Cyclohexane	6.36	56	7657	1.229	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	26785	4.522	ug/l #	44
37) Ethyl Acetate	5.58	43	11251	4.541	ug/l #	69
38) Carbon Tetrachloride	6.37	117	26966	5.160	ug/l #	15
52) Toluene	9.51	92	24915	2.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	45733	186.220	ug/l #	13

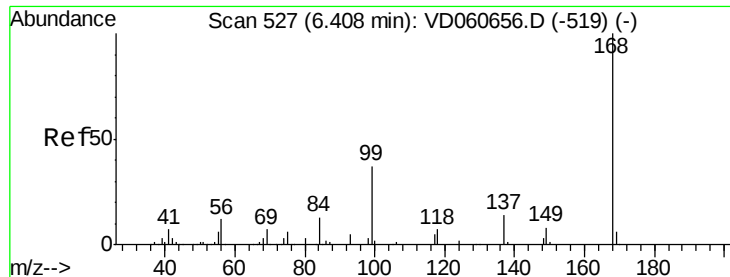
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

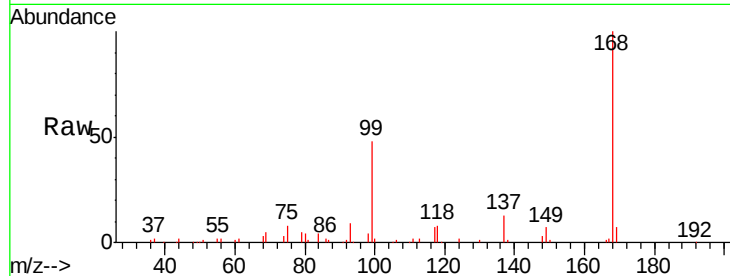
P001-SS021-1824-01RE

Tgt Ion:168 Resp: 357069

Ion Ratio Lower Upper

168 100

99 47.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

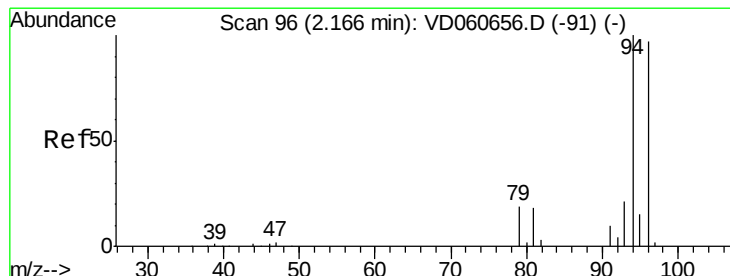
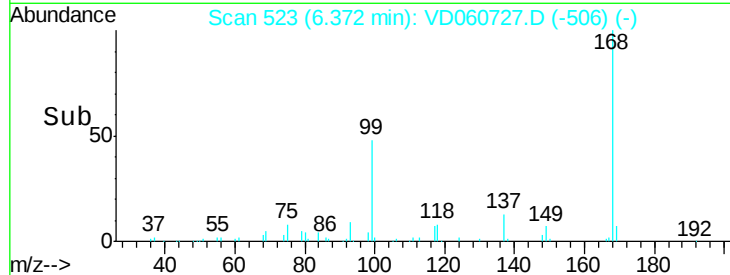
150000

100000

50000

0

Time--> 6.20 6.30 6.40 6.50



#5

Bromomethane

Concen: 1.543 ug/l

RT: 2.17 min Scan# 96

Delta R.T. 0.00 min

Lab File: VD060727.D

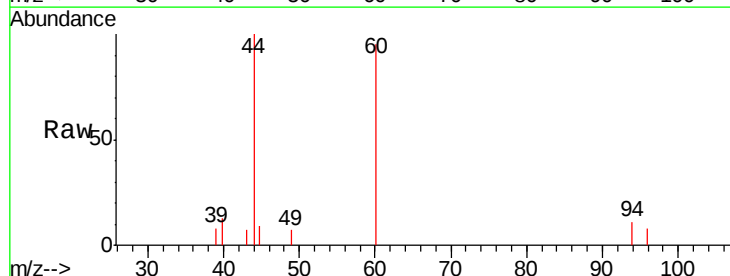
Acq: 27 Dec 2018 15:35

Tgt Ion: 94 Resp: 1152

Ion Ratio Lower Upper

94 100

96 75.2 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.17

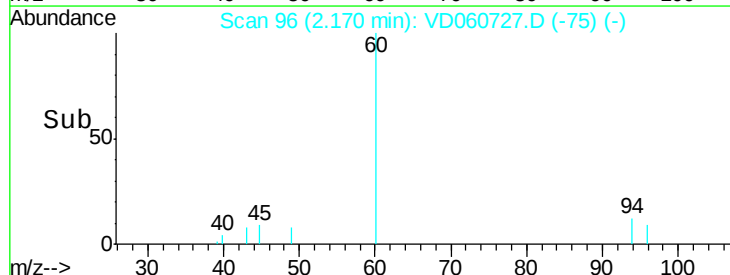
600

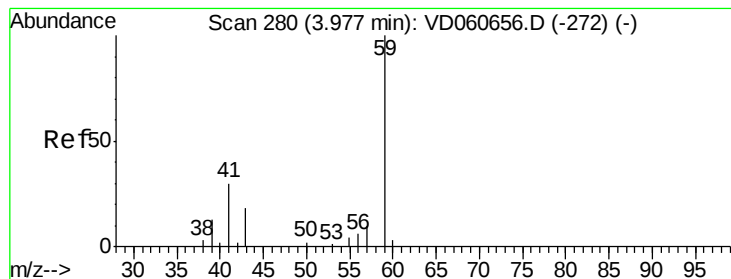
400

200

0

Time--> 2.10 2.15 2.20





#11

Tert butyl alcohol

Concen: 33.076 ug/l

RT: 3.85 min Scan# 267

Delta R.T. -0.12 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

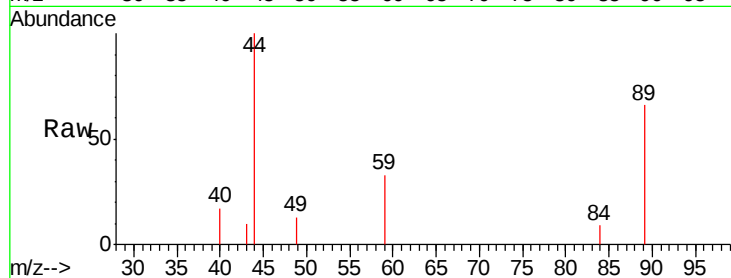
P001-SS021-1824-01RE

Tgt Ion: 59 Resp: 3411

Ion Ratio Lower Upper

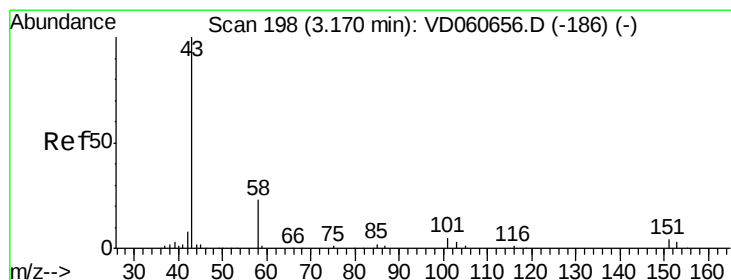
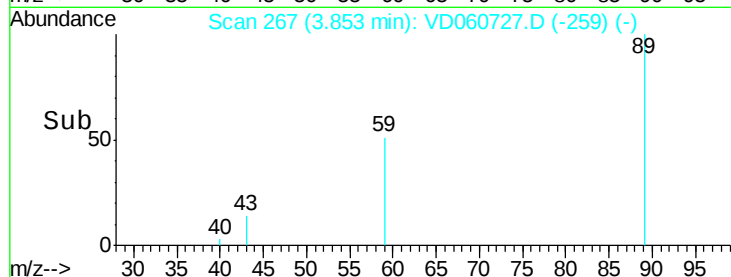
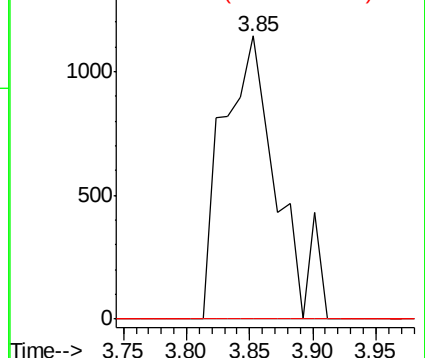
59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 144.178 ug/l

RT: 3.12 min Scan# 193

Delta R.T. -0.05 min

Lab File: VD060727.D

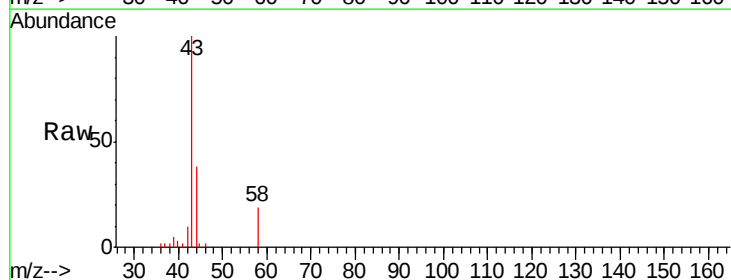
Acq: 27 Dec 2018 15:35

Tgt Ion: 43 Resp: 62131

Ion Ratio Lower Upper

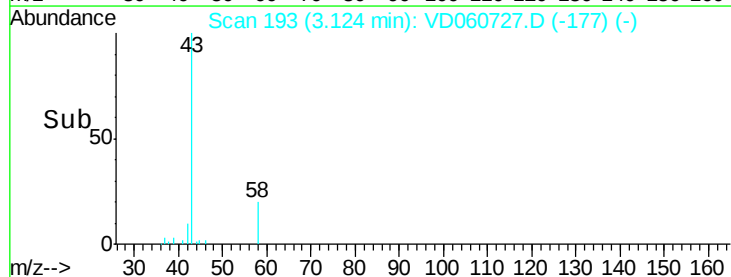
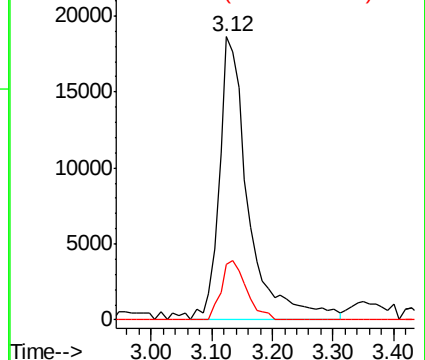
43 100

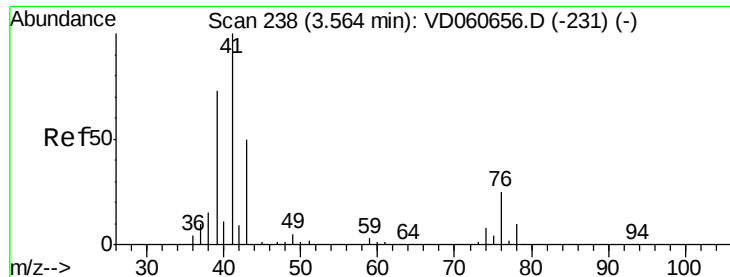
58 19.5 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

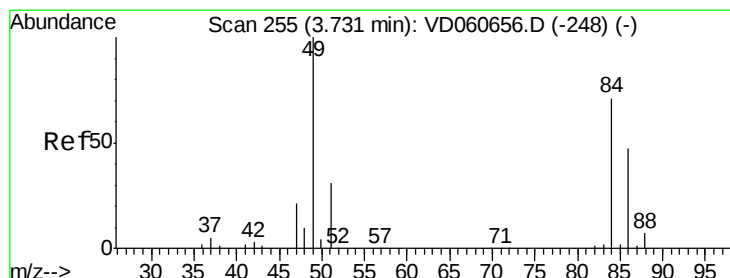
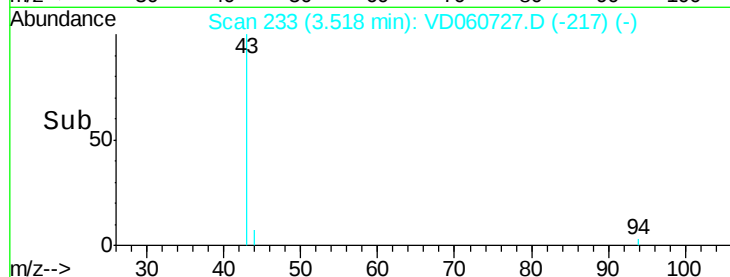
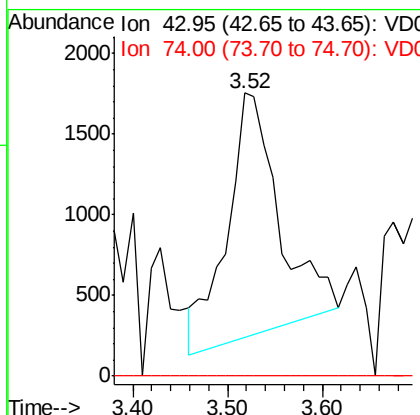
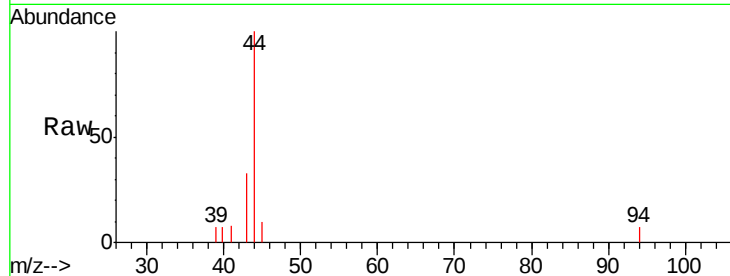




#18
Methyl Acetate
Concen: 5.442 ug/l
RT: 3.52 min Scan# 233
Delta R.T. -0.05 min
Lab File: VD060727.D
Acq: 27 Dec 2018 15:35

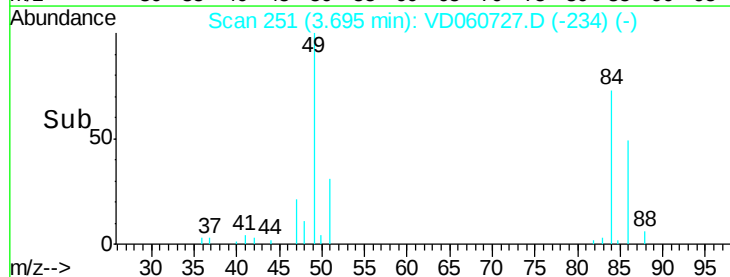
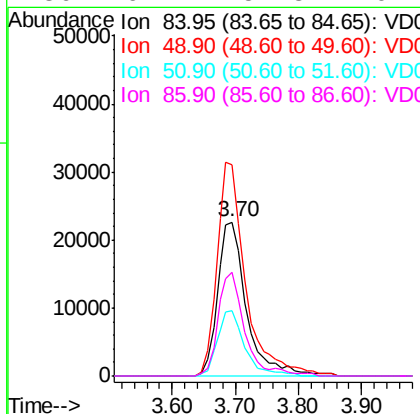
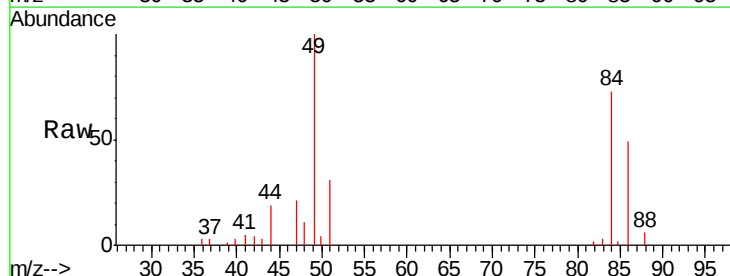
Instrument :
MSVOA_D
ClientSampleId :
P001-SS021-1824-01RE

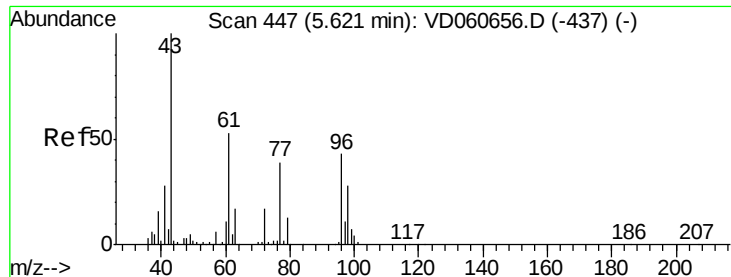
Tgt Ion: 43 Resp: 5812
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 16.191 ug/l
RT: 3.70 min Scan# 251
Delta R.T. -0.04 min
Lab File: VD060727.D
Acq: 27 Dec 2018 15:35

Tgt Ion: 84 Resp: 72458
Ion Ratio Lower Upper
84 100
49 137.3 113.6 170.4
51 42.6 34.7 52.1
86 67.2 52.8 79.2





#25

2-Butanone

Concen: 13.644 ug/l

RT: 5.58 min Scan# 443

Delta R.T. -0.04 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

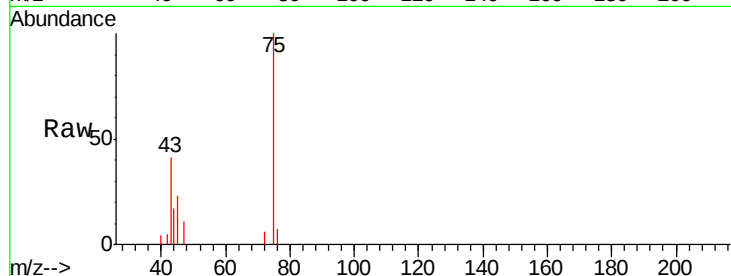
P001-SS021-1824-01RE

Tgt Ion: 43 Resp: 11251

Ion Ratio Lower Upper

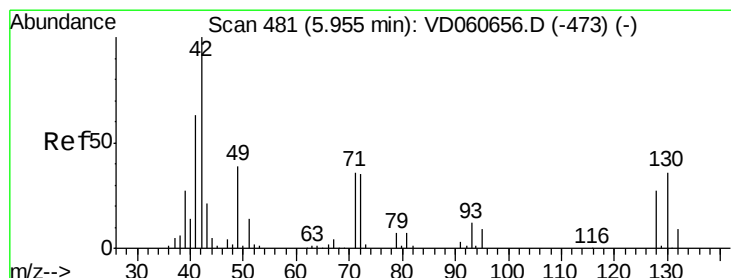
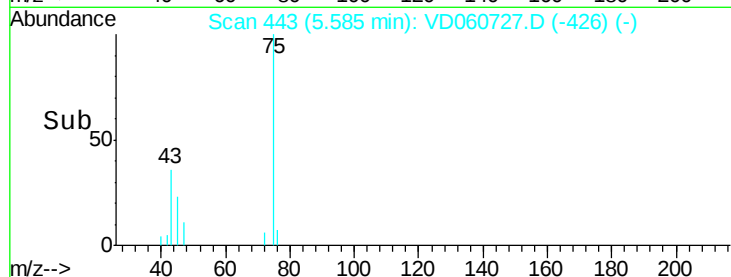
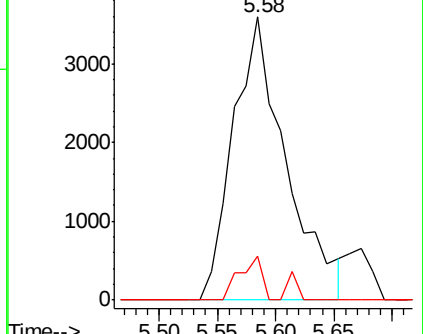
43 100

72 15.5 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.493 ug/l

RT: 5.92 min Scan# 477

Delta R.T. -0.04 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

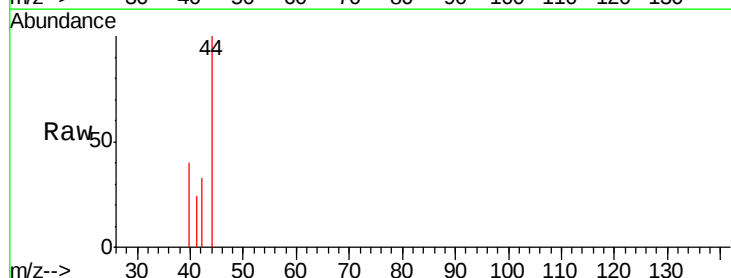
Tgt Ion: 42 Resp: 698

Ion Ratio Lower Upper

42 100

72 0.0 28.0 42.0#

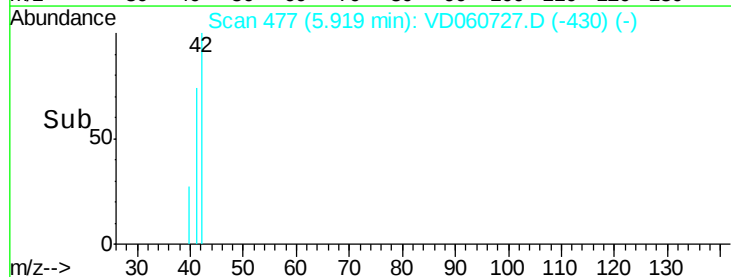
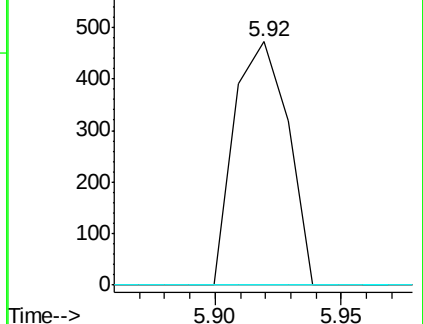
71 0.0 27.0 40.6#

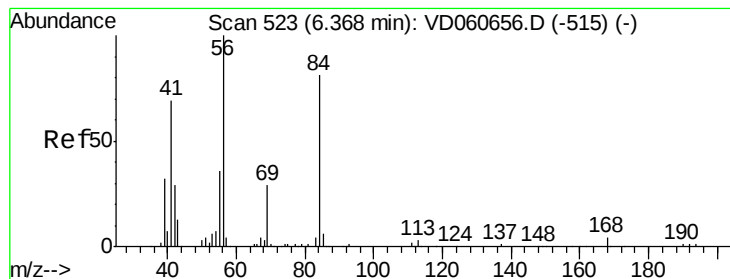


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.229 ug/l

RT: 6.36 min Scan# 522

Delta R.T. -0.01 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

P001-SS021-1824-01RE

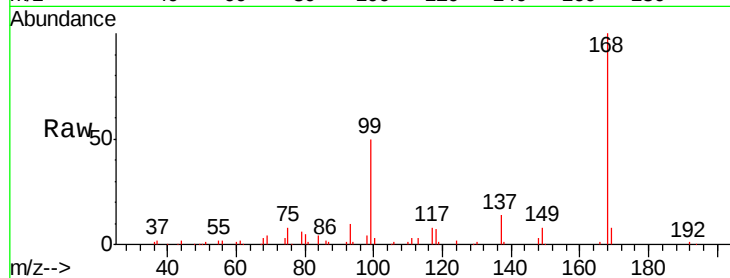
Tgt Ion: 56 Resp: 7657

Ion Ratio Lower Upper

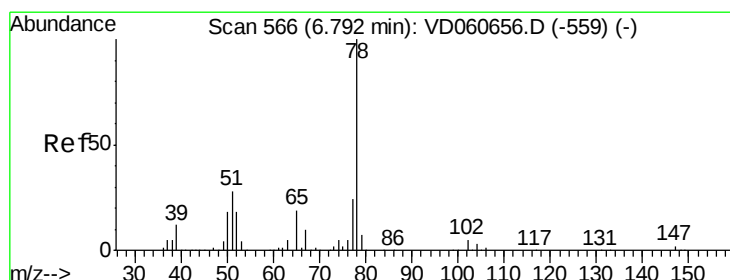
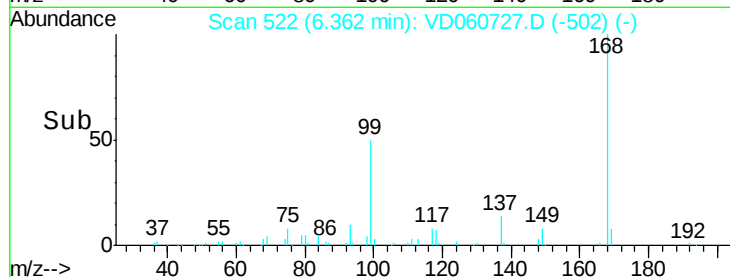
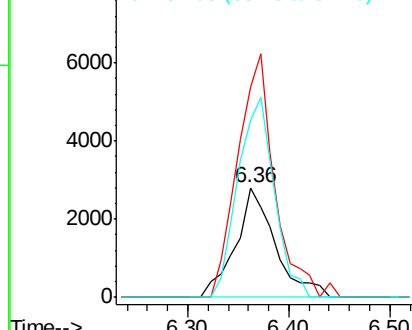
56 100

69 192.7 23.6 35.4#

84 161.9 65.8 98.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.75 min Scan# 561

Delta R.T. -0.05 min

Lab File: VD060727.D

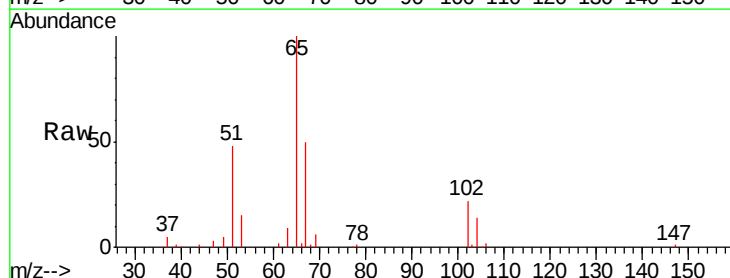
Acq: 27 Dec 2018 15:35

Tgt Ion: 65 Resp: 283069

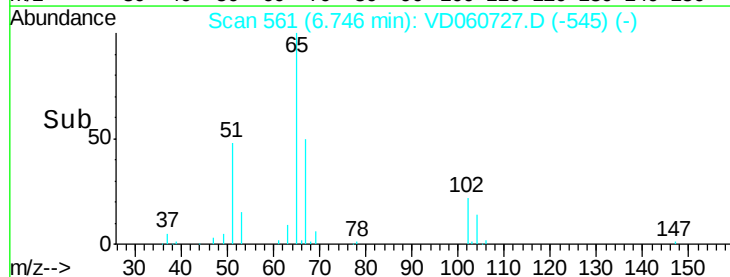
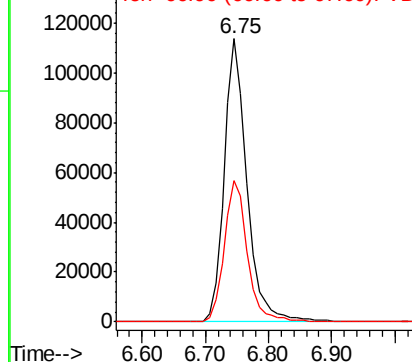
Ion Ratio Lower Upper

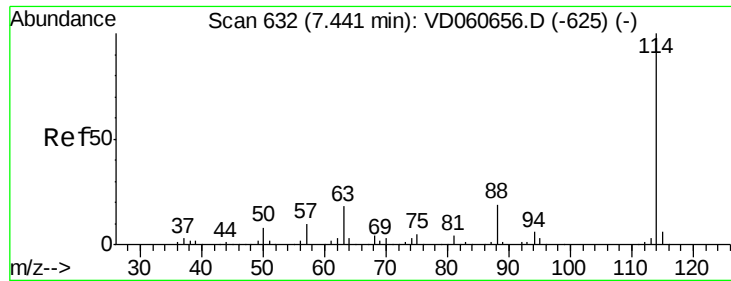
65 100

67 49.9 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 628

Delta R.T. -0.04 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

Instrument :

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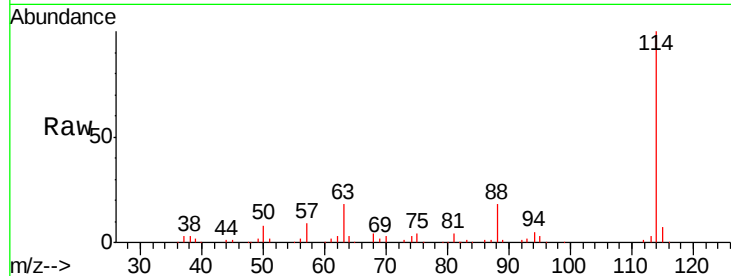
Tgt Ion:114 Resp: 575265

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.2

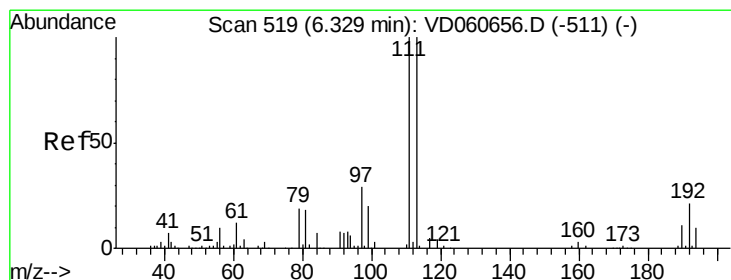
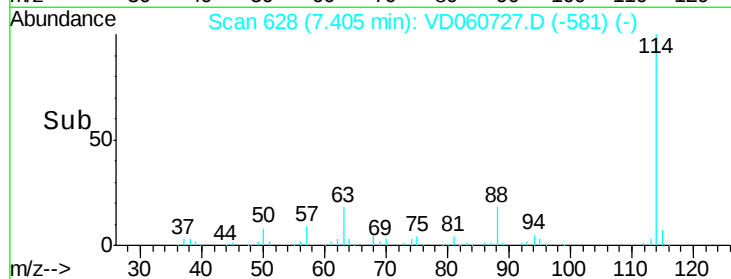
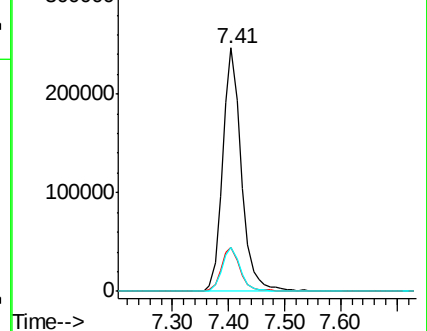
88 18.2 0.0 37.0



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: 50.000 ug/l

RT: 6.28 min Scan# 514

Delta R.T. -0.05 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

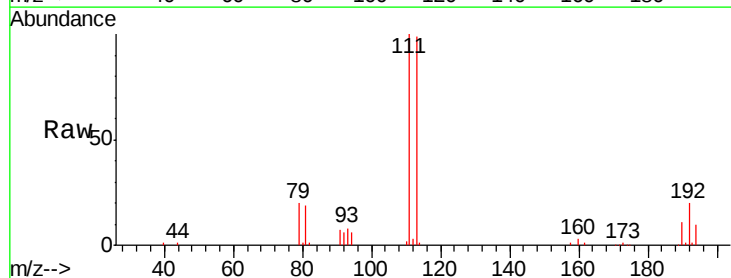
Tgt Ion:113 Resp: 310002

Ion Ratio Lower Upper

113 100

111 100.6 80.0 120.0

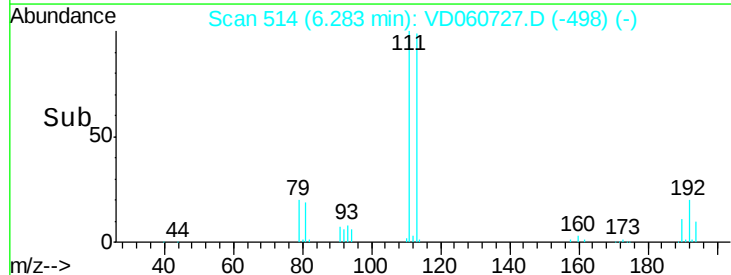
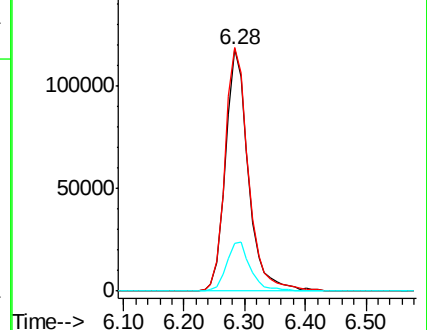
192 20.0 16.6 25.0

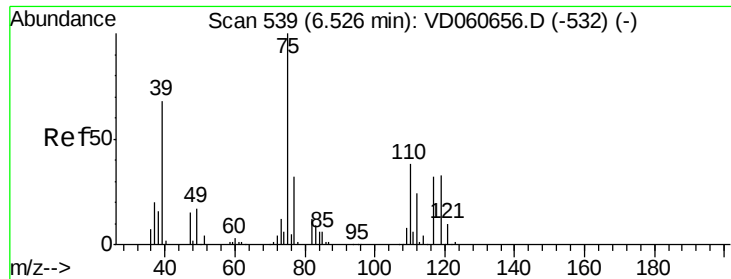


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

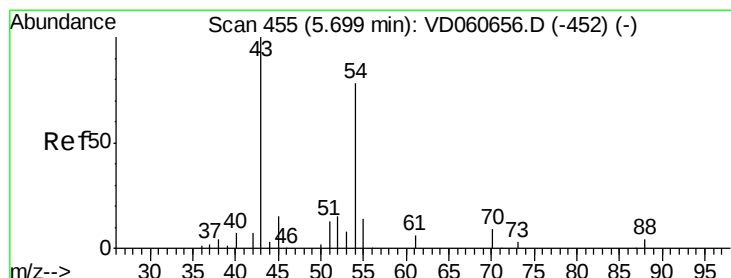
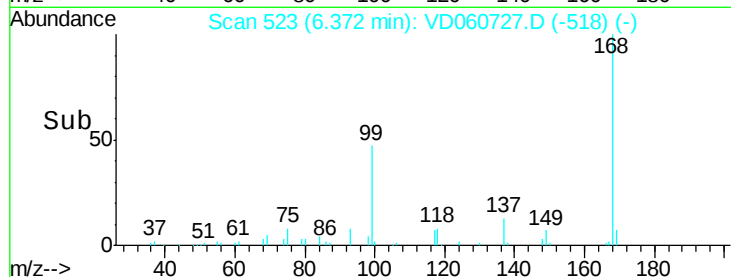
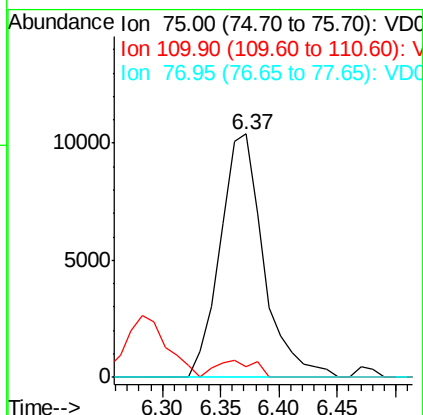
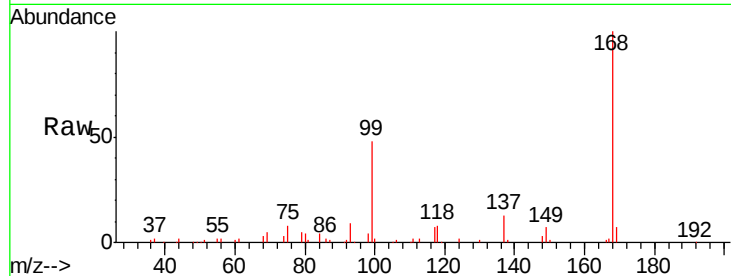




#36
 1,1-Dichloropropene
 Concen: 4.522 ug/l
 RT: 6.37 min Scan# 523
 Delta R.T. -0.15 min
 Lab File: VD060727.D
 Acq: 27 Dec 2018 15:35

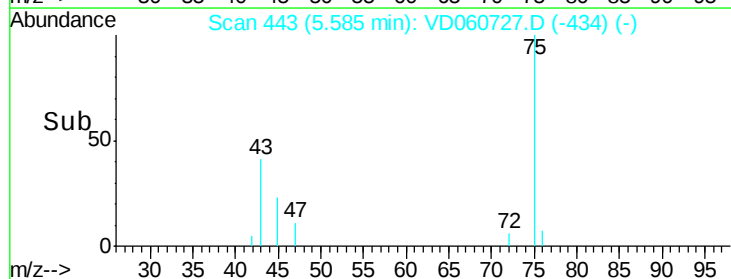
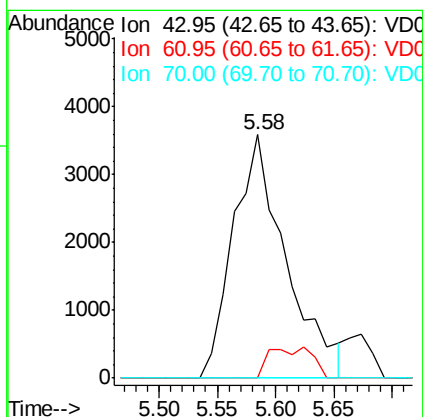
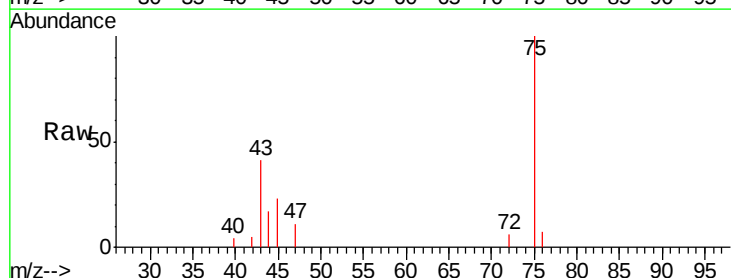
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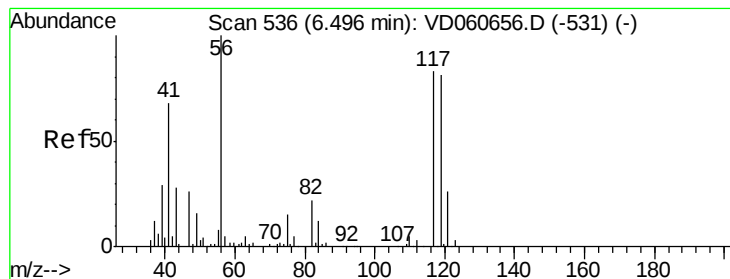
Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.3	18.9	56.7#
77	0.0	25.4	38.0#



#37
 Ethyl Acetate
 Concen: 4.541 ug/l
 RT: 5.58 min Scan# 443
 Delta R.T. -0.11 min
 Lab File: VD060727.D
 Acq: 27 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	5.8	8.6#





#38

Carbon Tetrachloride

Concen: 5.160 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.12 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

P001-SS021-1824-01RE

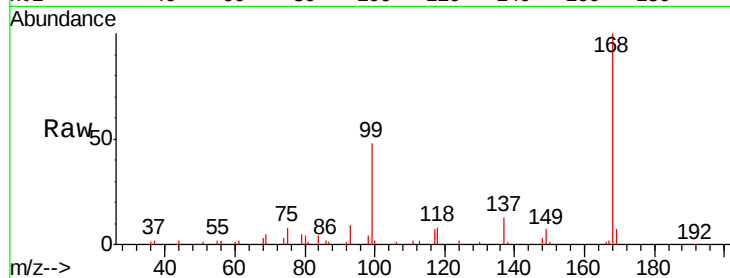
Tgt Ion:117 Resp: 26966

Ion Ratio Lower Upper

117 100

119 4.2 77.0 115.4#

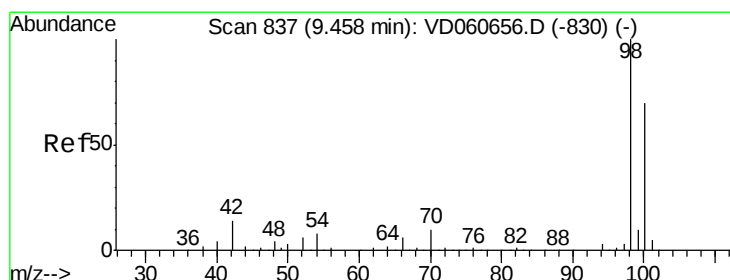
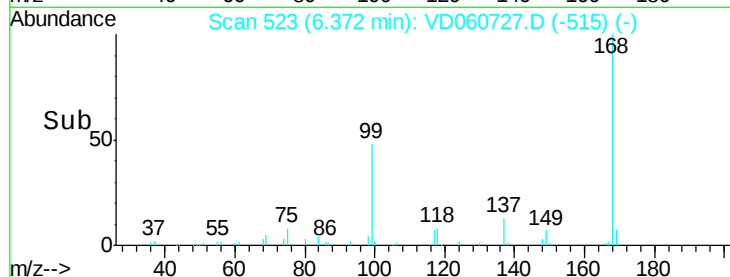
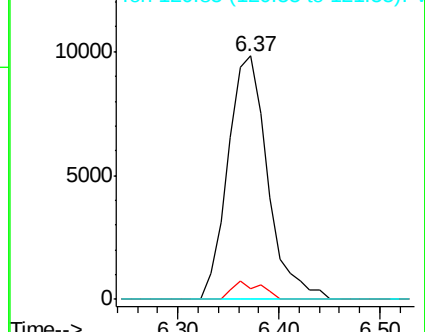
121 0.0 24.7 37.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.42 min Scan# 833

Delta R.T. -0.04 min

Lab File: VD060727.D

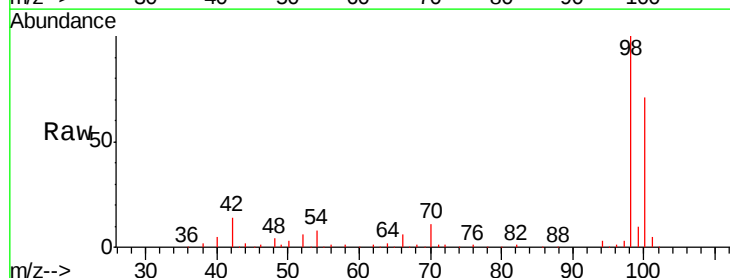
Acq: 27 Dec 2018 15:35

Tgt Ion: 98 Resp: 515574

Ion Ratio Lower Upper

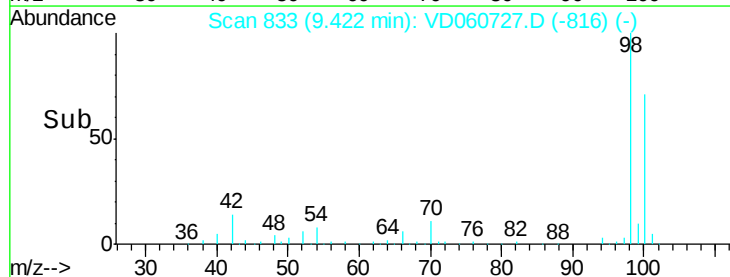
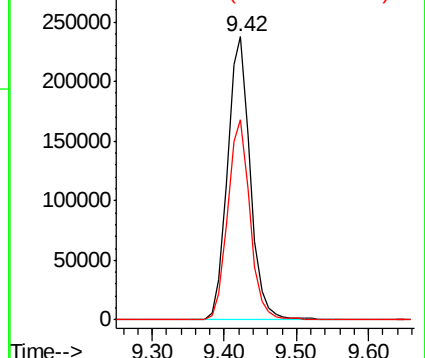
98 100

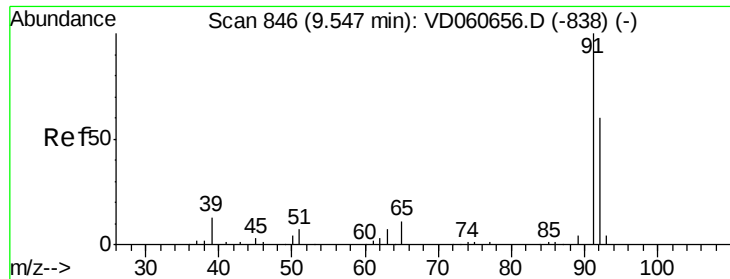
100 70.9 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 2.597 ug/l

RT: 9.51 min Scan# 842

Delta R.T. -0.04 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

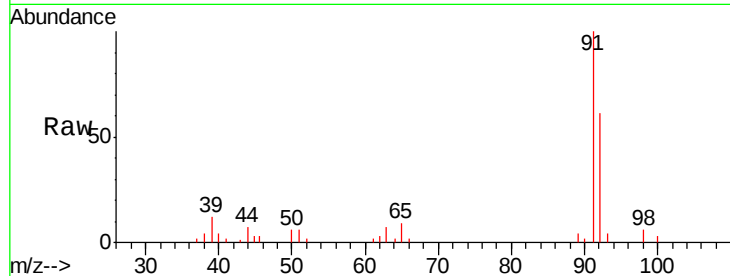
P001-SS021-1824-01RE

Tgt Ion: 92 Resp: 24915

Ion Ratio Lower Upper

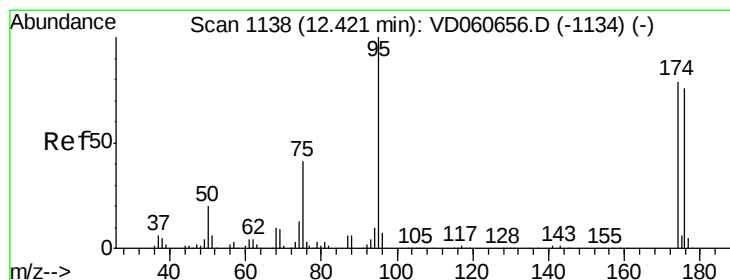
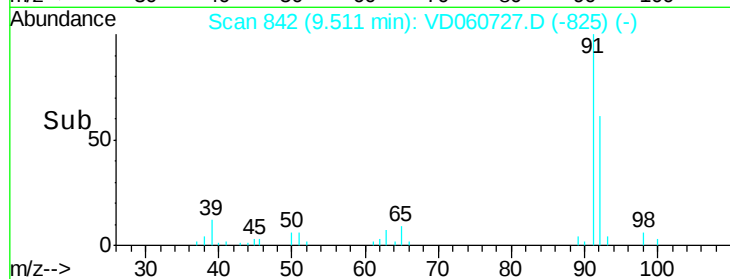
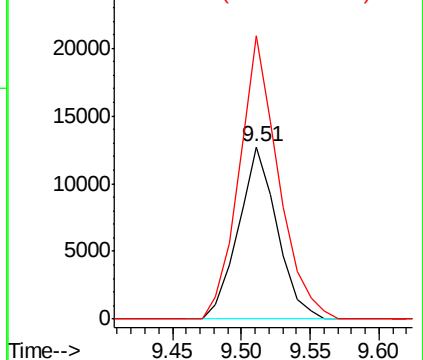
92 100

91 164.1 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

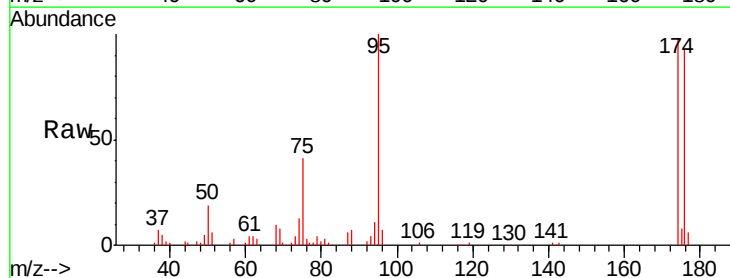
Tgt Ion: 95 Resp: 109650

Ion Ratio Lower Upper

95 100

174 98.1 0.0 158.2

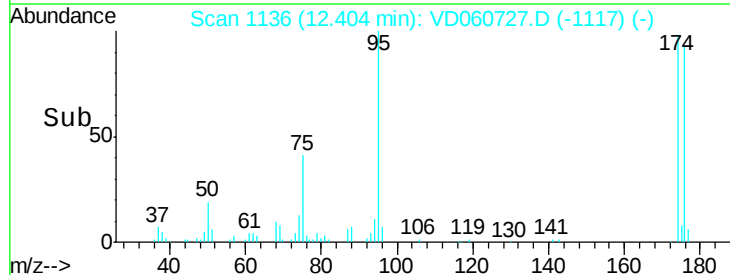
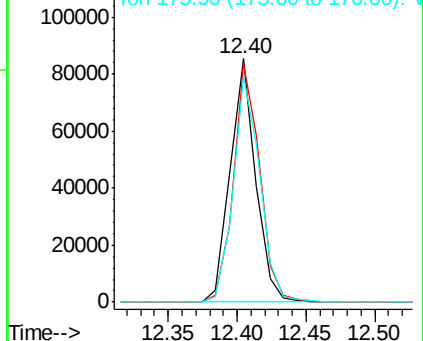
176 92.5 0.0 152.4

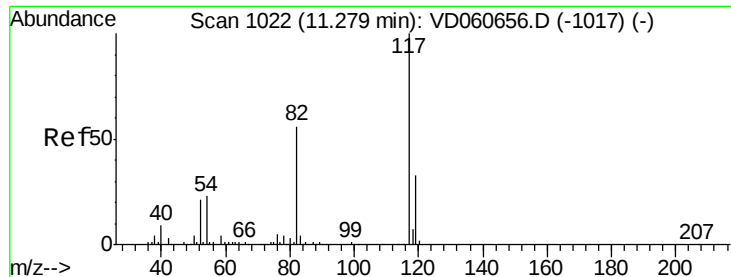


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

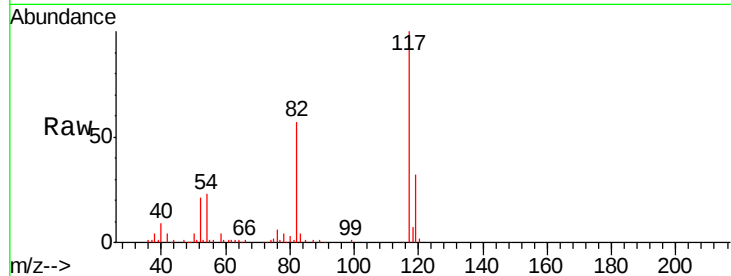




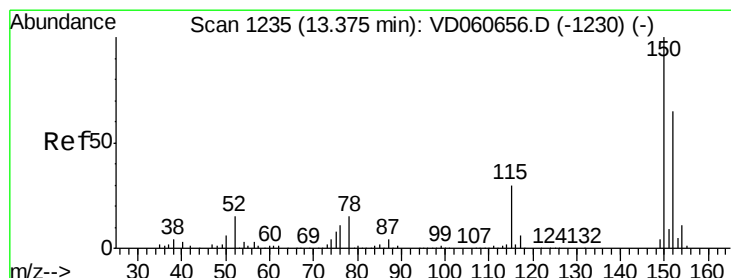
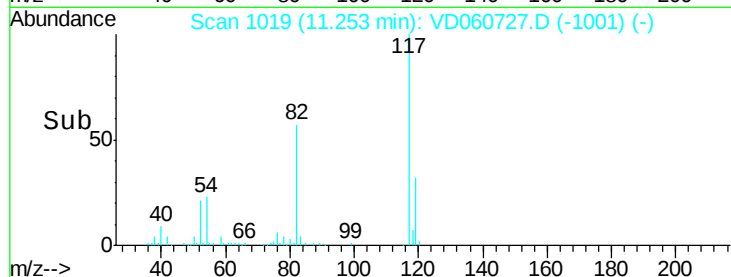
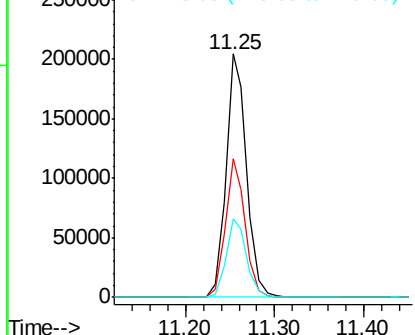
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.25 min Scan# 1019
Delta R.T. -0.03 min
Lab File: VD060727.D
Acq: 27 Dec 2018 15:35

Instrument :
MSVOA_D
ClientSampleId :
P001-SS021-1824-01RE

Tgt Ion:117 Resp: 332982
Ion Ratio Lower Upper
117 100
82 57.1 44.5 66.7
119 32.1 26.3 39.5

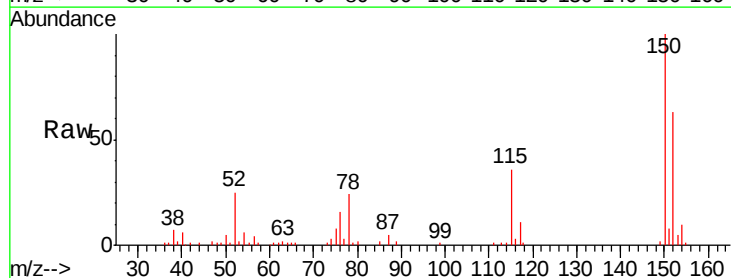


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

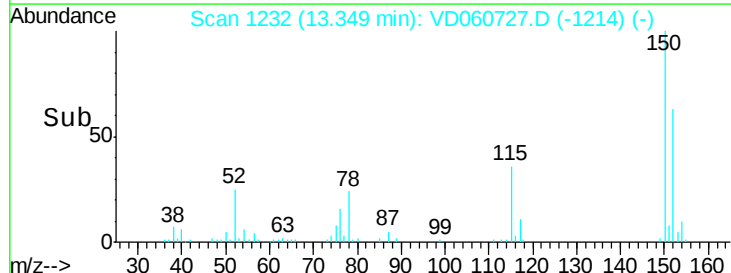
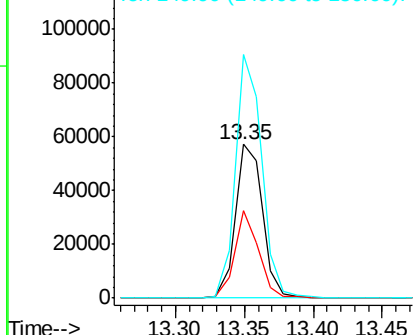


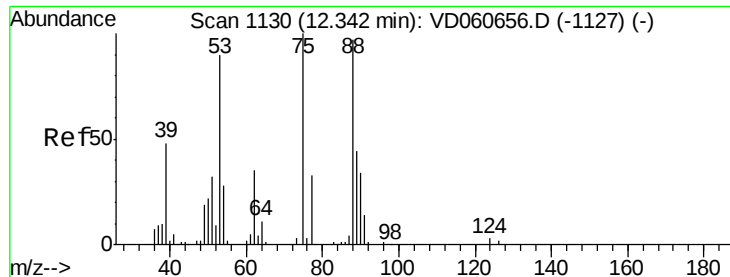
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VD060727.D
Acq: 27 Dec 2018 15:35

Tgt Ion:152 Resp: 78065
Ion Ratio Lower Upper
152 100
115 56.6 24.1 72.3
150 158.3 0.0 315.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 186.220 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060727.D

Acq: 27 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

P001-SS021-1824-01RE

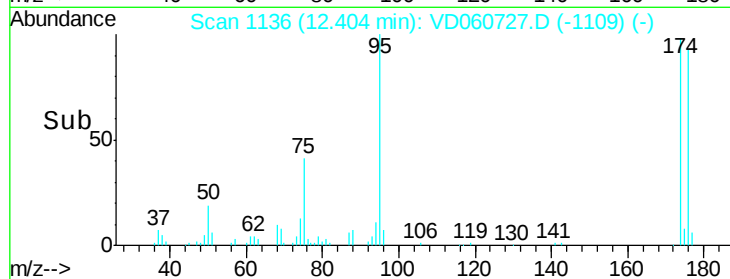
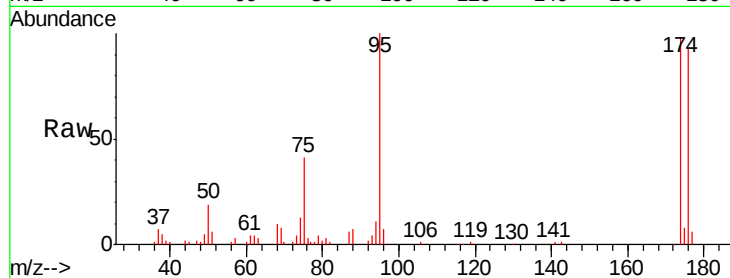
Tgt Ion: 75 Resp: 45733

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

