

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063117.D
 Acq On : 16 Jul 2019 20:08
 Operator : VA/AP
 Sample : K3776-04RE
 Misc : 4.84g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-006-BRE

Quant Time: Jul 17 07:38:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	488451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	646868	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	446303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	134344	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	346686	56.98	ug/l	0.00
Spiked Amount			Recovery	=	113.96%	
35) Dibromofluoromethane	6.91	113	106418	16.52	ug/l	0.00
Spiked Amount			Recovery	=	33.04%	
50) Toluene-d8	10.40	98	619257	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
62) 4-Bromofluorobenzene	13.55	95	208512	32.57	ug/l	0.00
Spiked Amount			Recovery	=	65.14%	

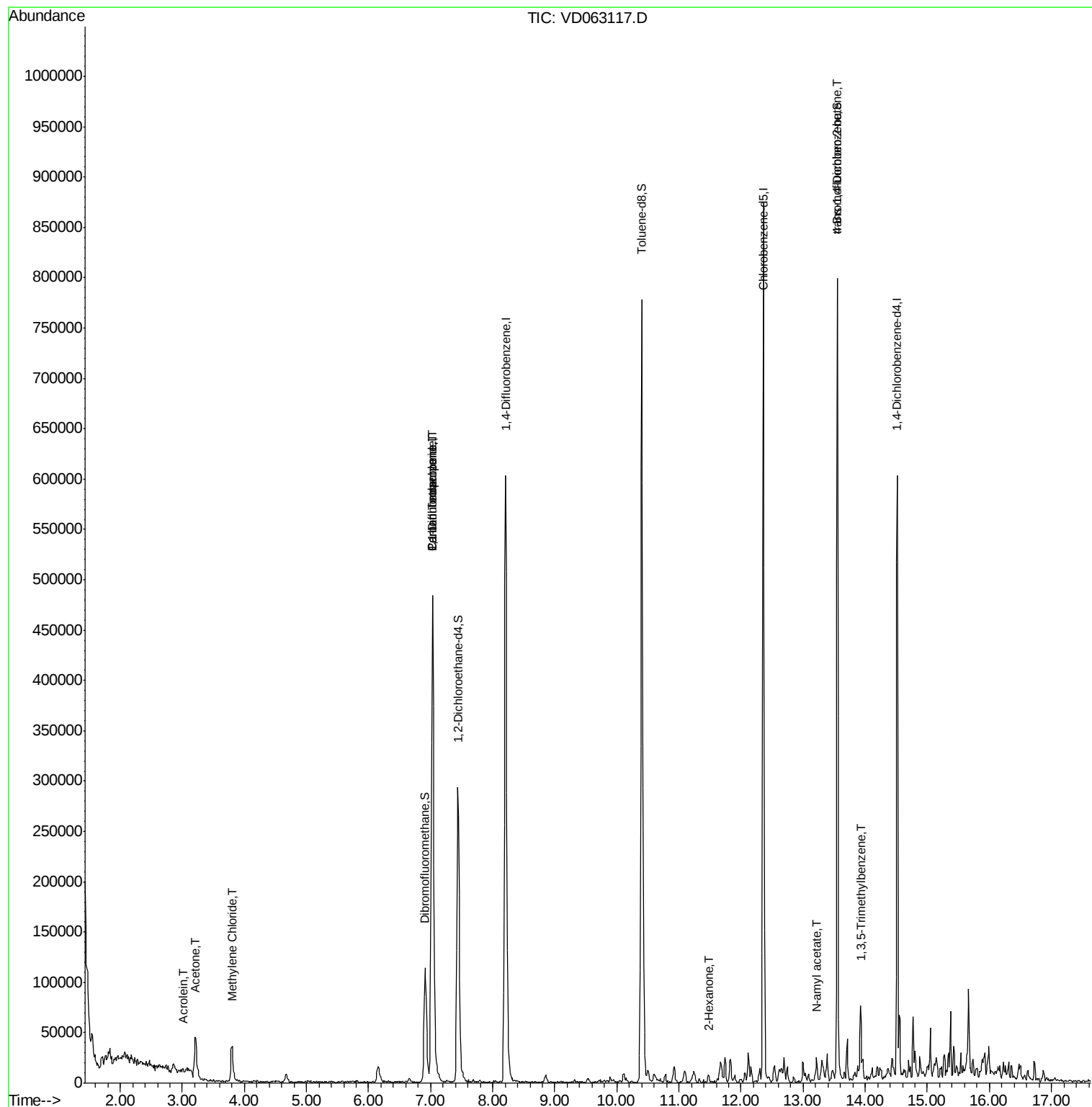
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	924	Below Cal	#	29
3) Chloromethane	1.73	50	975	Below Cal	#	48
5) Bromomethane	2.16	94	2240	Below Cal	#	13
13) Acrolein	3.00	56	268	2.529	ug/l #	17
16) Acetone	3.22	43	89701	61.037	ug/l	93
18) Methyl Acetate	3.65	43	490	Below Cal	#	63
20) Methylene Chloride	3.80	84	20941	3.772	ug/l	90
36) 1,1-Dichloropropene	7.03	75	35340	4.858	ug/l #	52
38) Carbon Tetrachloride	7.03	117	47992	4.341	ug/l #	15
59) 2-Hexanone	11.47	43	3685	1.614	ug/l #	32
74) N-amyl acetate	13.22	43	3985	1.377	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.93	105	32350	3.578	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.55	75	96530	177.376	ug/l #	1

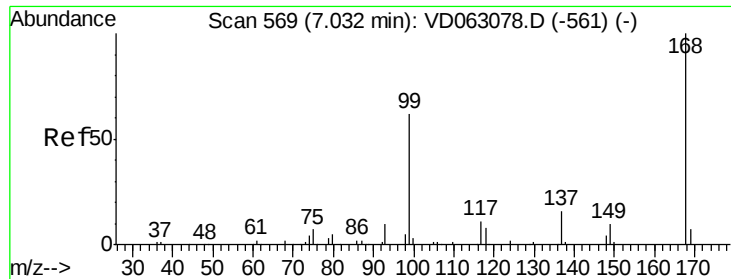
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

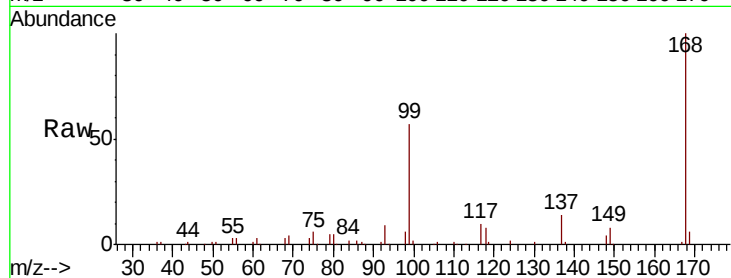
FK-SF-01-006-BRE

Tot Ion:168 Resp: 488451

Ion Ratio Lower Upper

168 100

99 57.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

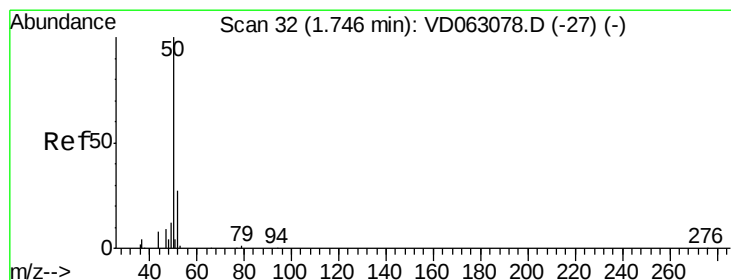
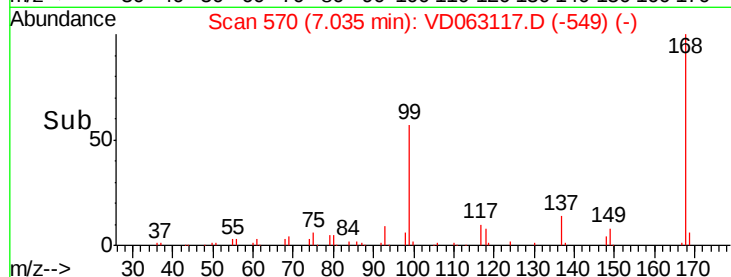
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.73 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD063117.D

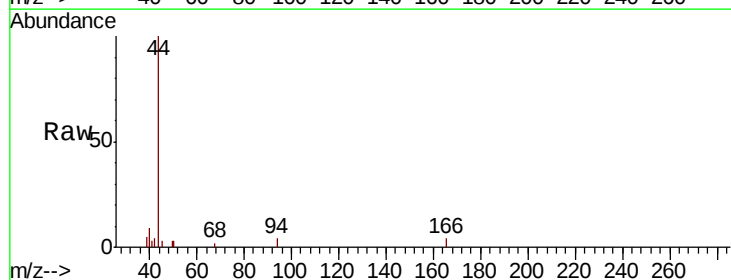
Acq: 16 Jul 2019 20:08

Tgt Ion: 50 Resp: 975

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

800

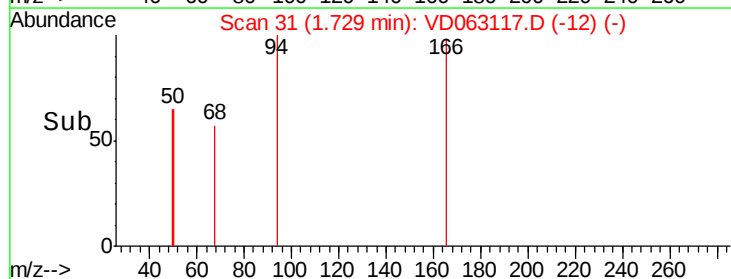
600

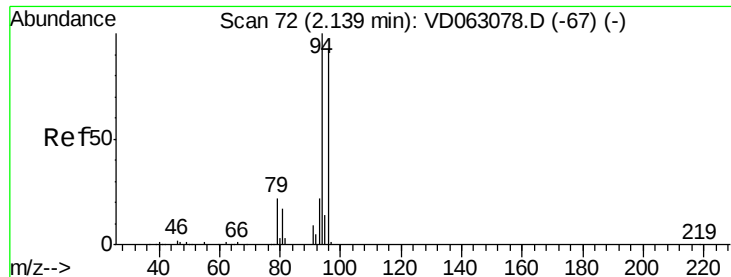
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-BRE

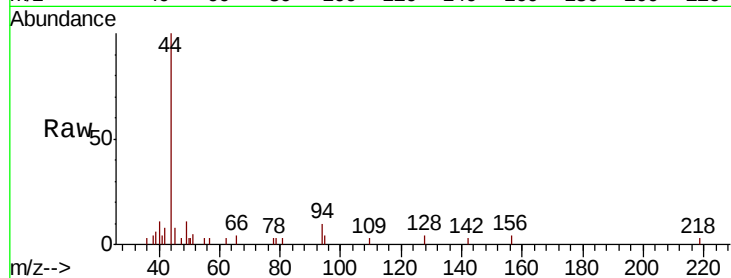
Tot Ion: 94 Resp: 2240

Ion Ratio Lower Upper

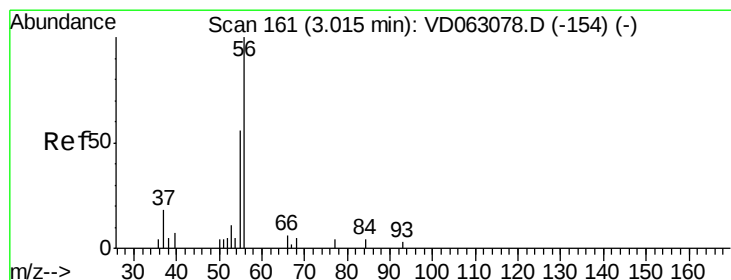
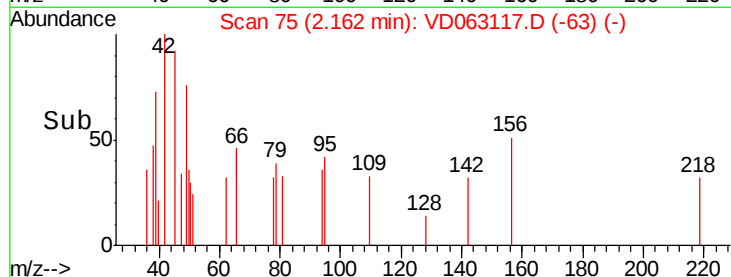
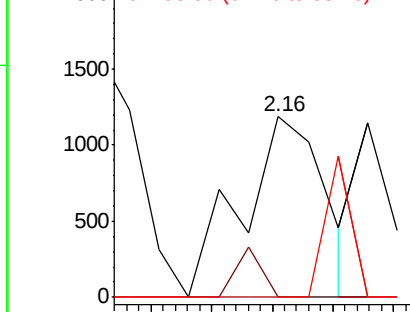
94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



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



#13

Acrolein

Concen: 2.529 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.02 min

Lab File: VD063117.D

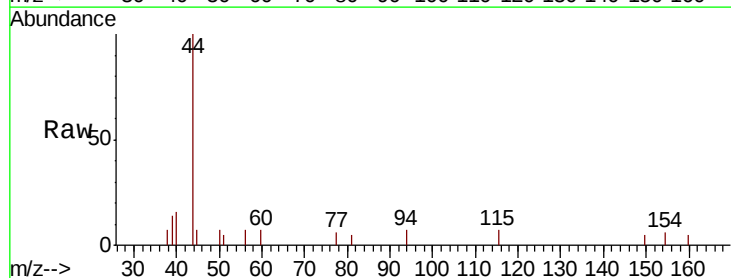
Acq: 16 Jul 2019 20:08

Tgt Ion: 56 Resp: 268

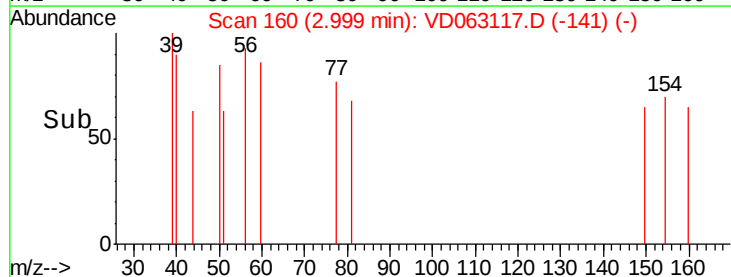
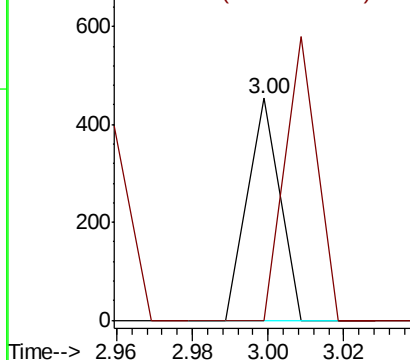
Ion Ratio Lower Upper

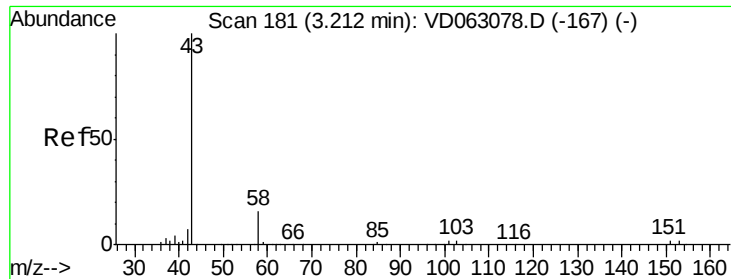
56 100

55 0.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 61.037 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

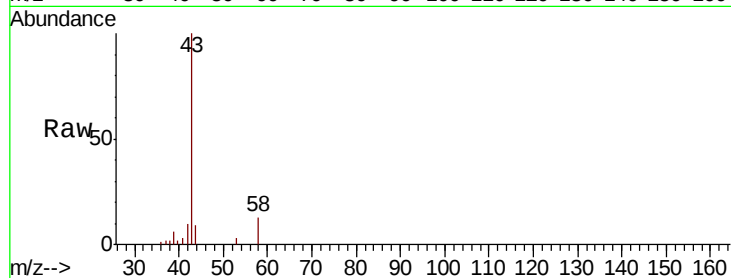
FK-SF-01-006-BRE

Tot Ion: 43 Resp: 89701

Ion Ratio Lower Upper

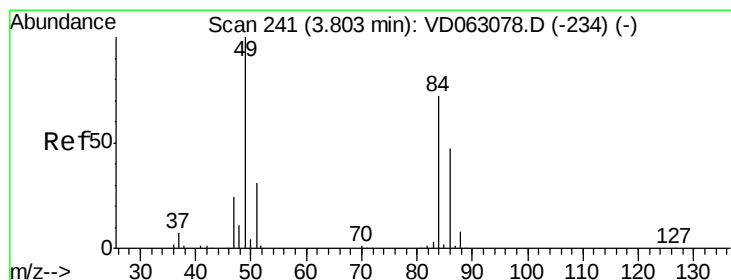
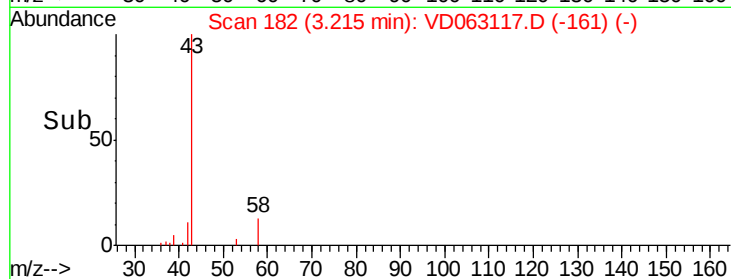
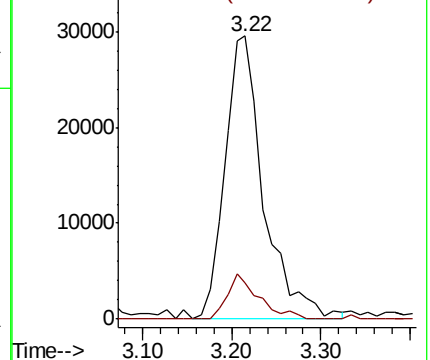
43 100

58 13.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.772 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Tgt Ion: 84 Resp: 20941

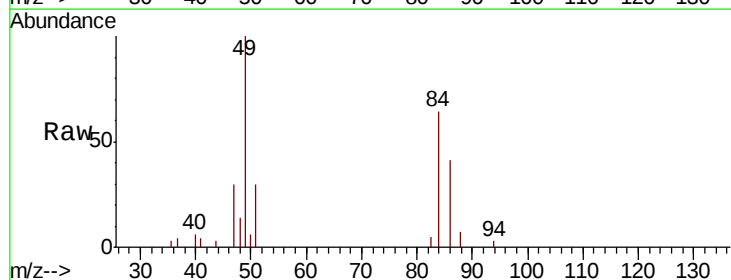
Ion Ratio Lower Upper

84 100

49 156.2 110.5 165.7

51 46.1 34.6 51.8

86 63.6 51.6 77.4

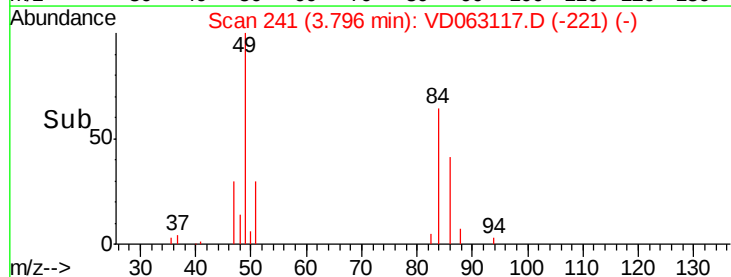
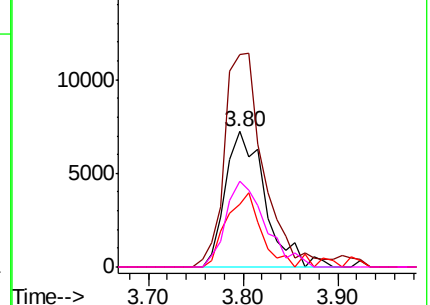


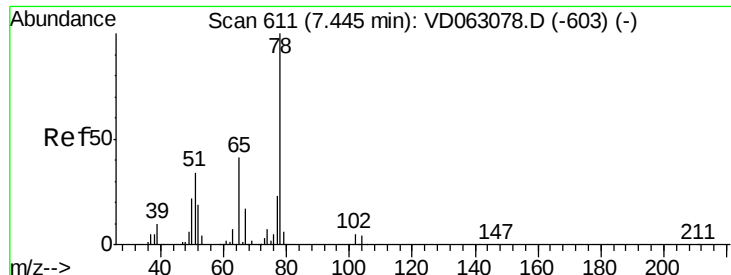
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 56.978 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

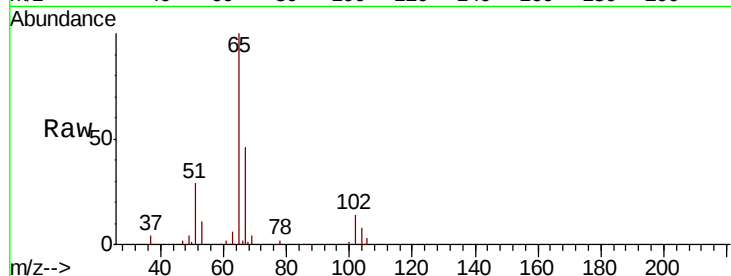
FK-SF-01-006-BRE

Tot Ion: 65 Resp: 346686

Ion Ratio Lower Upper

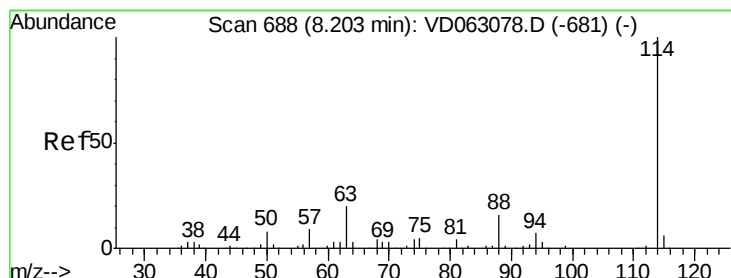
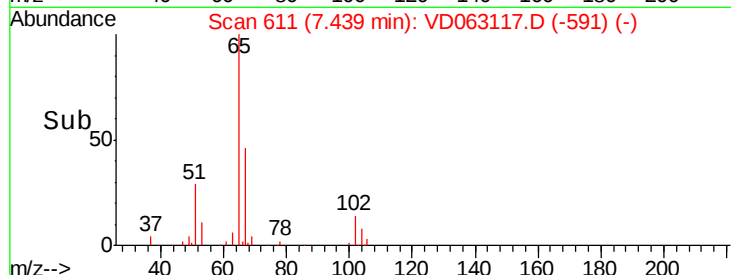
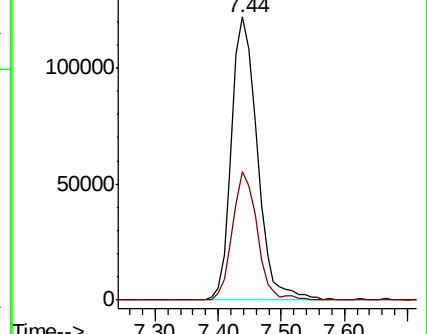
65 100

67 45.5 0.0 86.0



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: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

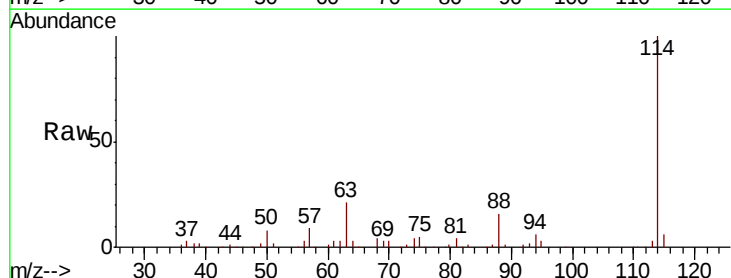
Tgt Ion: 114 Resp: 646868

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.6

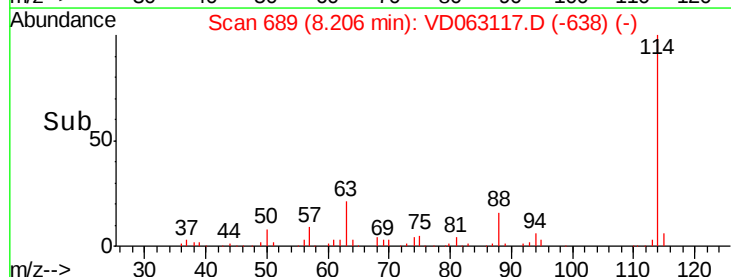
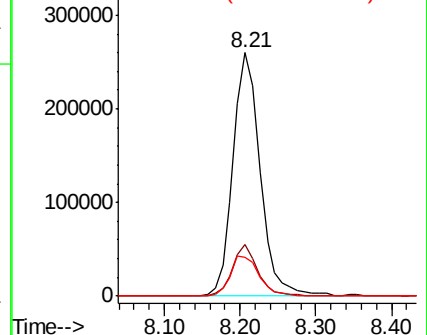
88 15.9 0.0 32.6

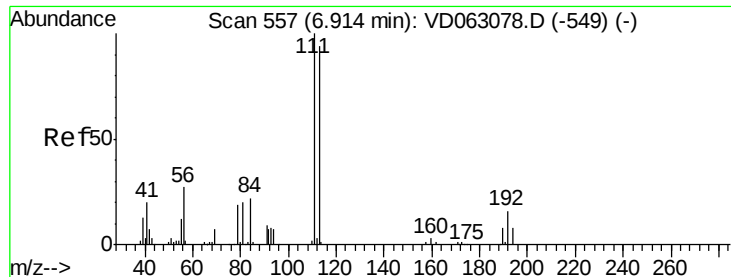


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 16.517 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-BRE

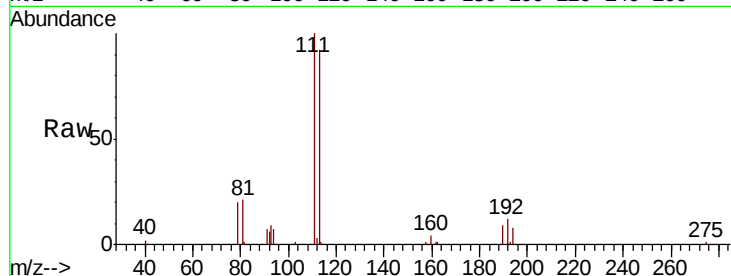
Tot Ion:113 Resp: 106418

Ion Ratio Lower Upper

113 100

111 108.3 84.8 127.2

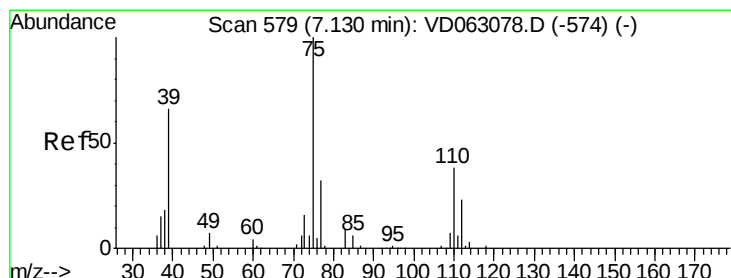
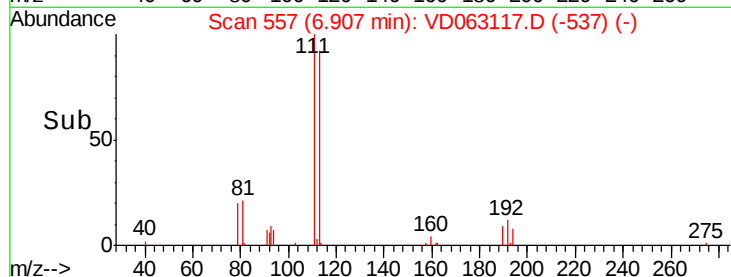
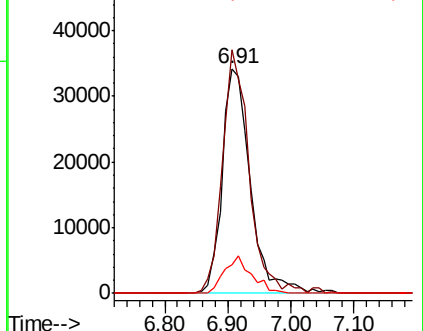
192 12.5 13.4 20.0#



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: 4.858 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

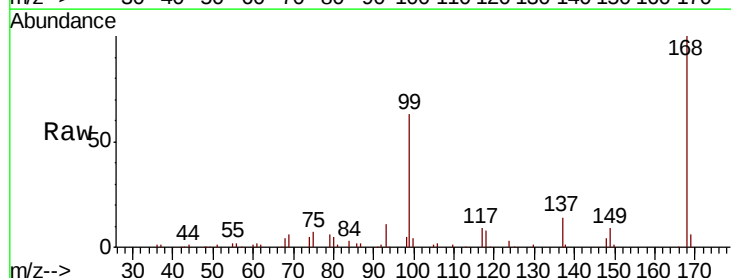
Tgt Ion: 75 Resp: 35340

Ion Ratio Lower Upper

75 100

110 13.1 18.9 56.5#

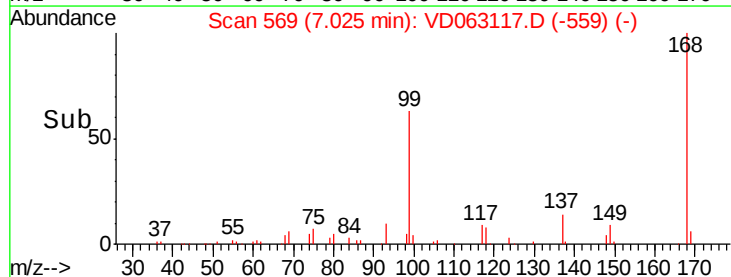
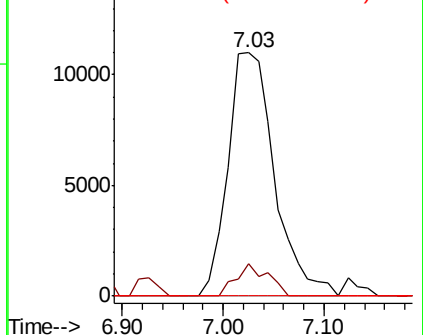
77 0.0 25.2 37.8#

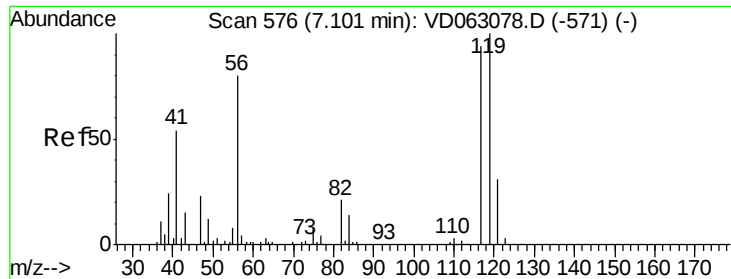


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.341 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-BRE

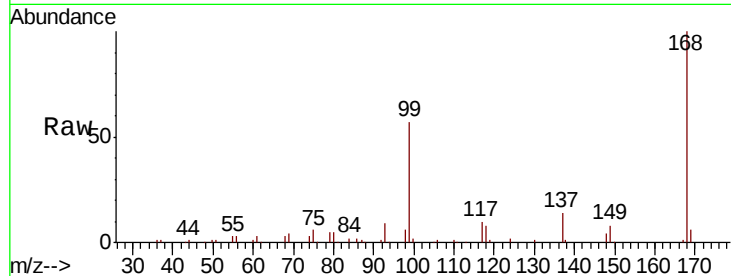
Tot Ion:117 Resp: 47992

Ion Ratio Lower Upper

117 100

119 5.7 80.0 120.0#

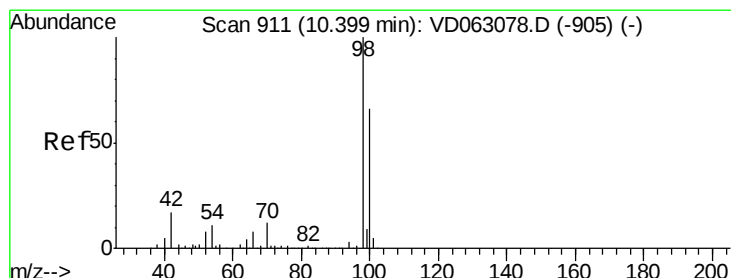
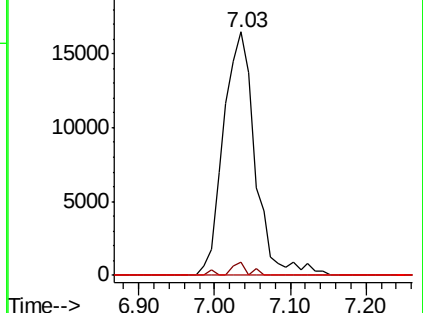
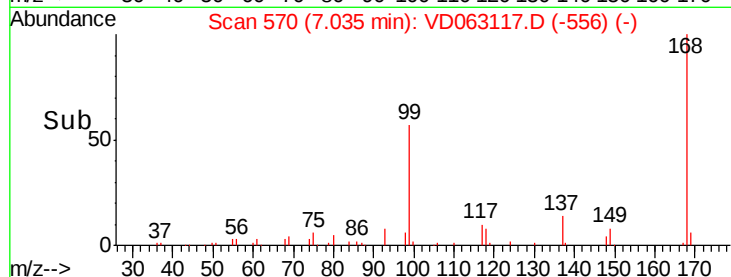
121 0.0 25.0 37.4#



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: 44.746 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063117.D

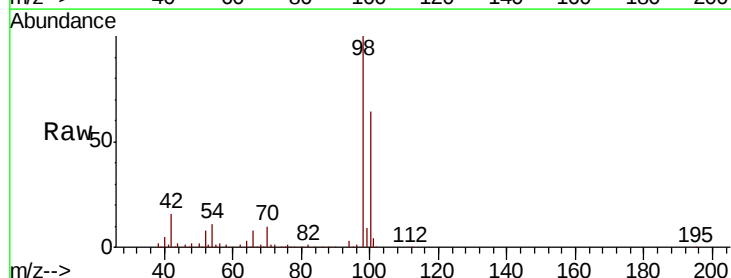
Acq: 16 Jul 2019 20:08

Tgt Ion: 98 Resp: 619257

Ion Ratio Lower Upper

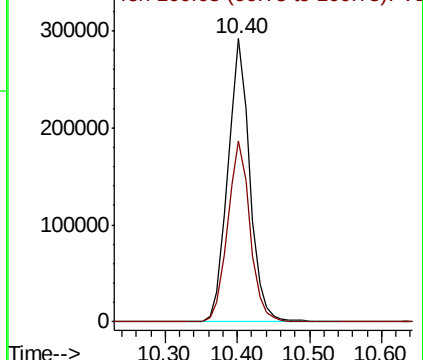
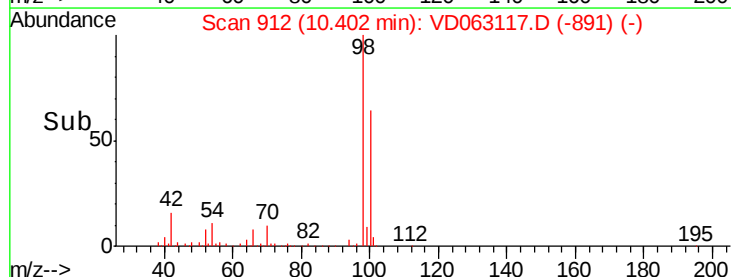
98 100

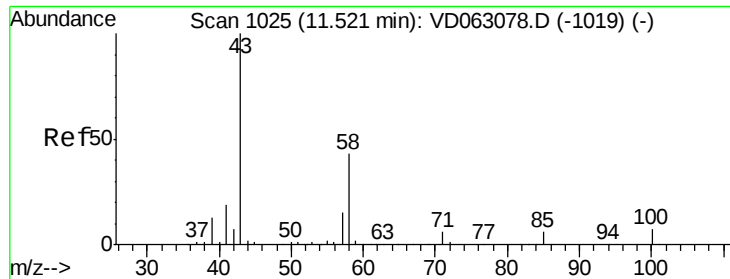
100 63.9 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

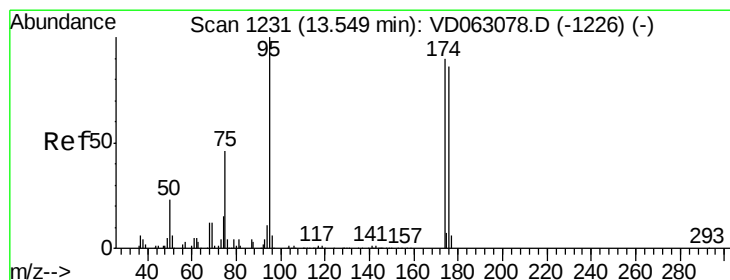
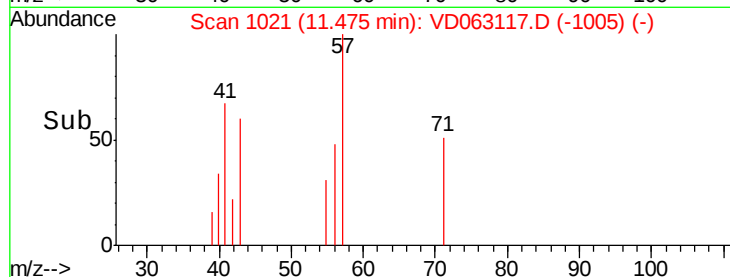
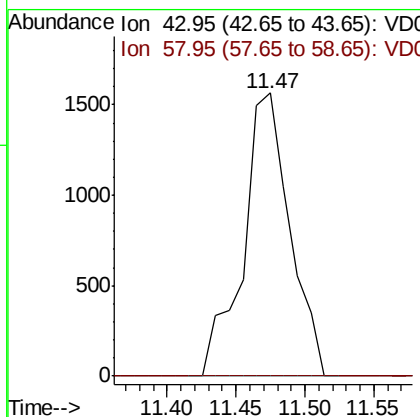
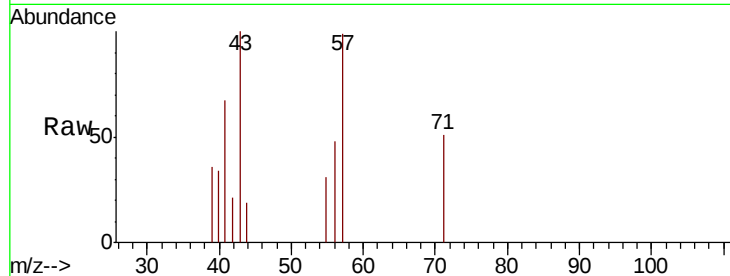




#59
2-Hexanone
Concen: 1.614 ug/l
RT: 11.47 min Scan# 1021
Delta R.T. -0.05 min
Lab File: VD063117.D
Acq: 16 Jul 2019 20:08

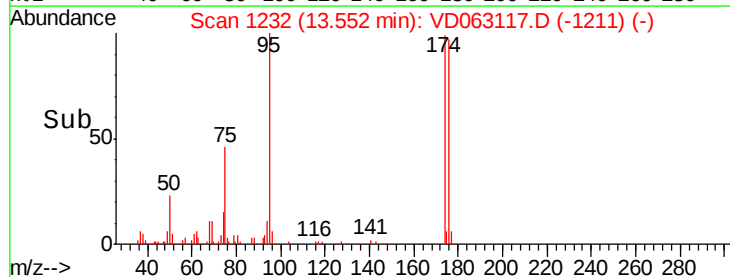
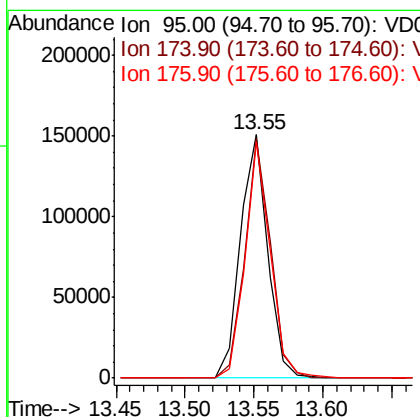
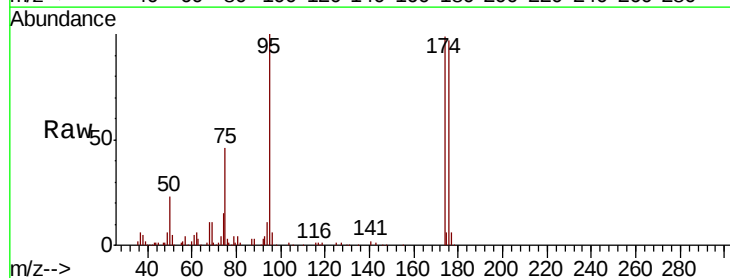
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-006-BRE

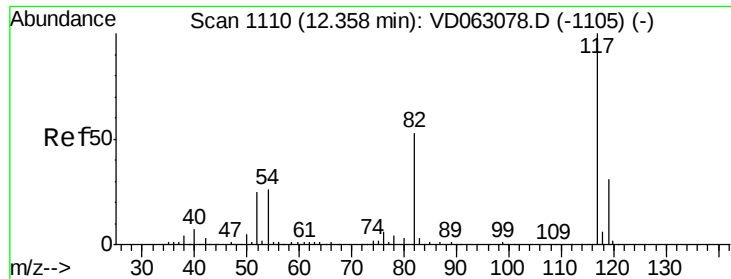
Tot Ion: 43 Resp: 3685
Ion Ratio Lower Upper
43 100
58 0.0 21.7 65.1#



#62
4-Bromofluorobenzene
Concen: 32.566 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063117.D
Acq: 16 Jul 2019 20:08

Tgt Ion: 95 Resp: 208512
Ion Ratio Lower Upper
95 100
174 98.6 0.0 180.6
176 96.9 0.0 172.2

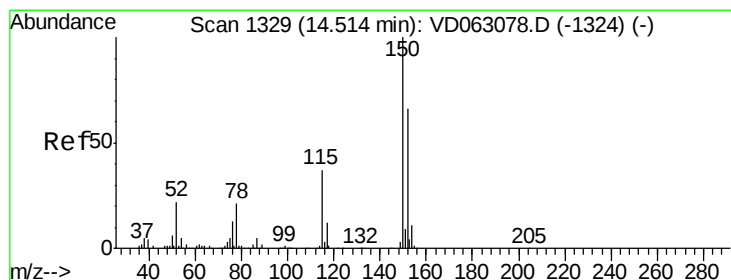
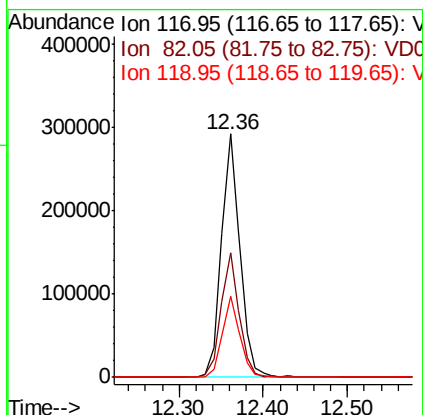
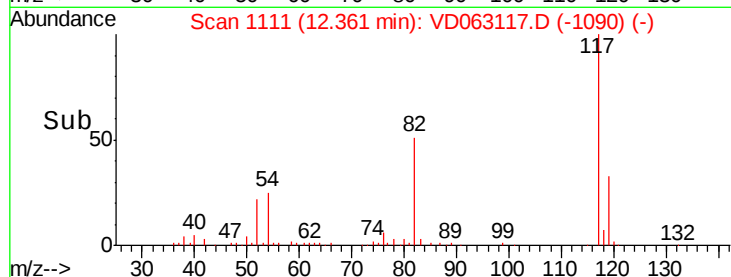
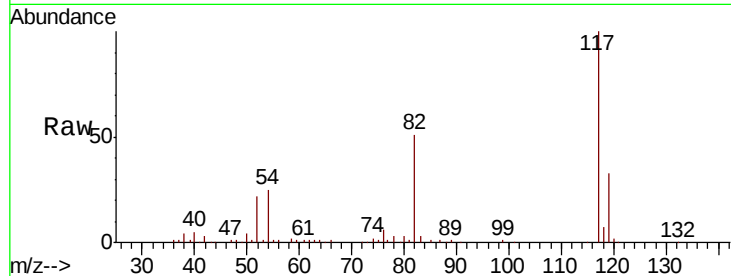




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063117.D
Acq: 16 Jul 2019 20:08

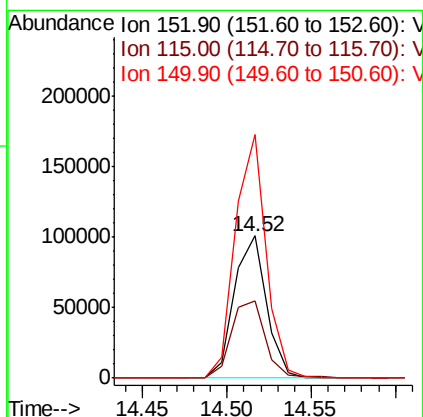
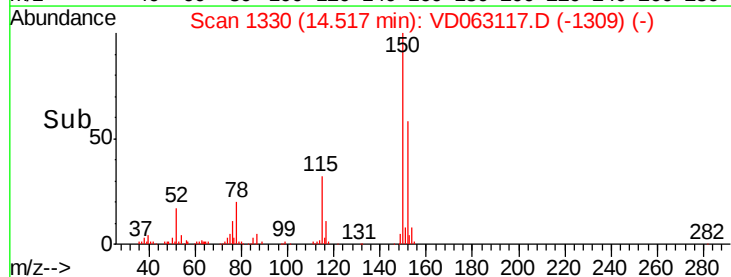
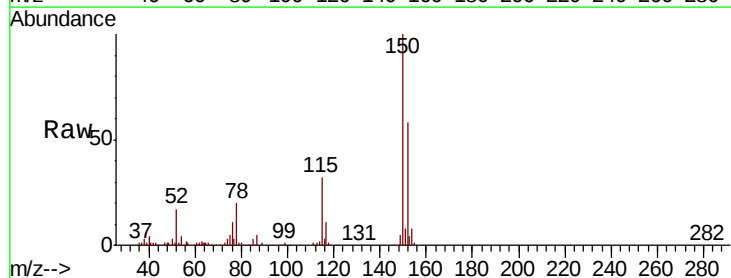
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-006-BRE

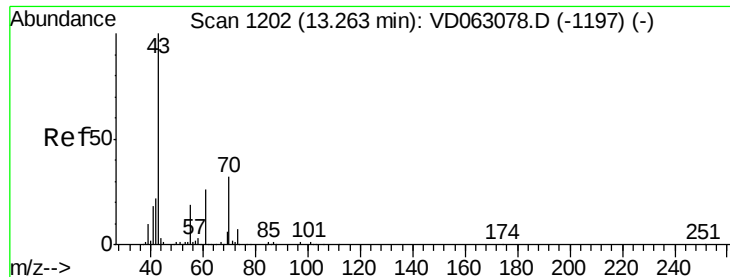
Tot Ion:117 Resp: 446303
Ion Ratio Lower Upper
117 100
82 51.2 42.3 63.5
119 33.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063117.D
Acq: 16 Jul 2019 20:08

Tgt Ion:152 Resp: 134344
Ion Ratio Lower Upper
152 100
115 54.1 28.9 86.8
150 171.3 0.0 313.8





#74

N-amvl acetate

Concen: 1.377 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.05 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-BRE

Tot Ion: 43 Resp: 3985

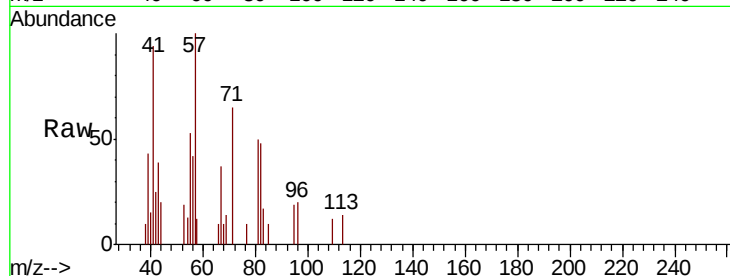
Ion Ratio Lower Upper

43 100

70 0.0 25.5 38.3#

55 135.3 15.4 23.0#

61 0.0 20.6 31.0#

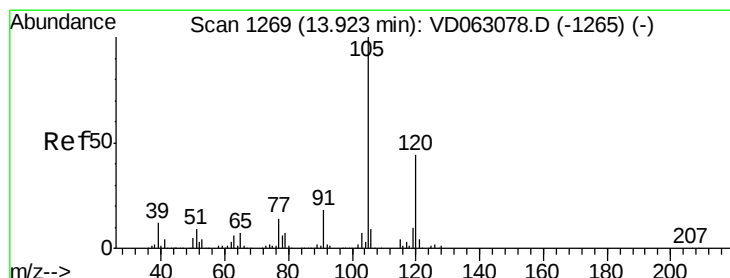
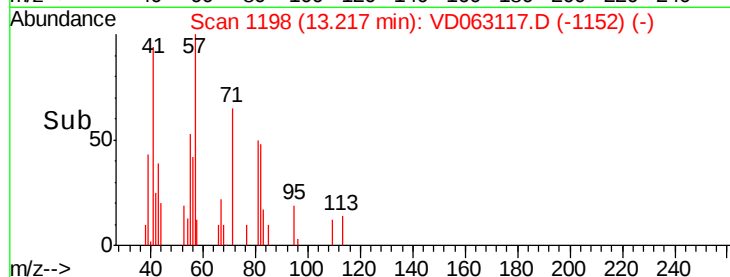
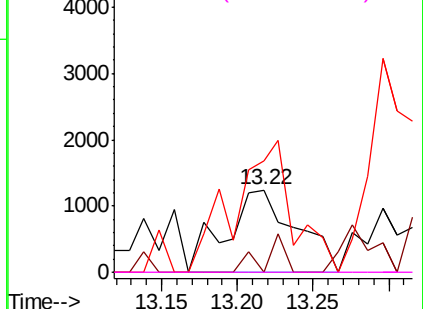


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#80

1,3,5-Trimethylbenzene

Concen: 3.578 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063117.D

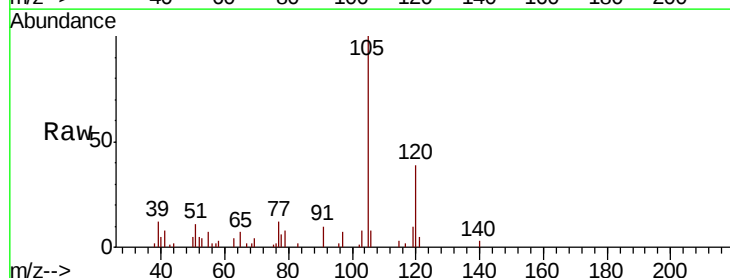
Acq: 16 Jul 2019 20:08

Tgt Ion:105 Resp: 32350

Ion Ratio Lower Upper

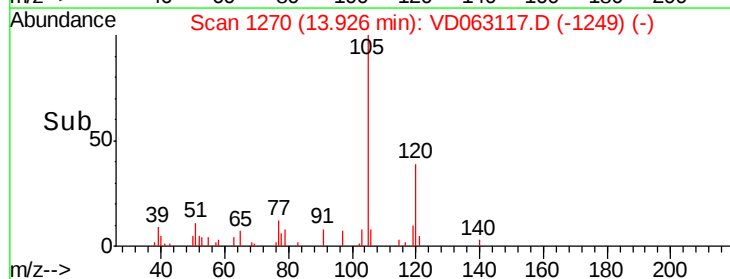
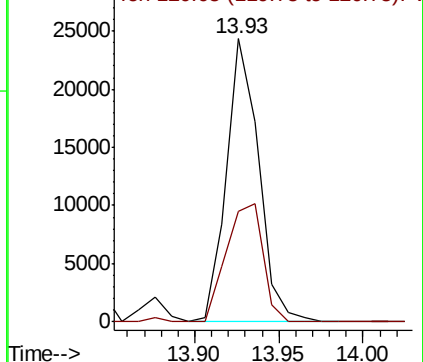
105 100

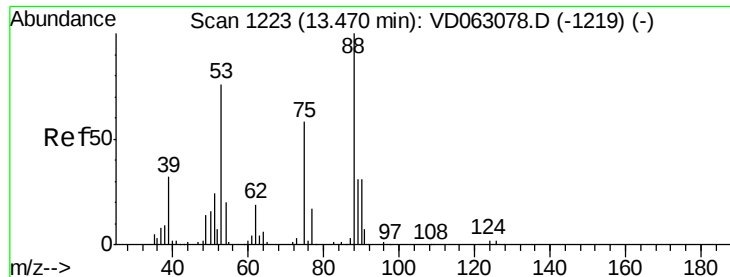
120 39.1 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 177.376 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063117.D

Acq: 16 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-BRE

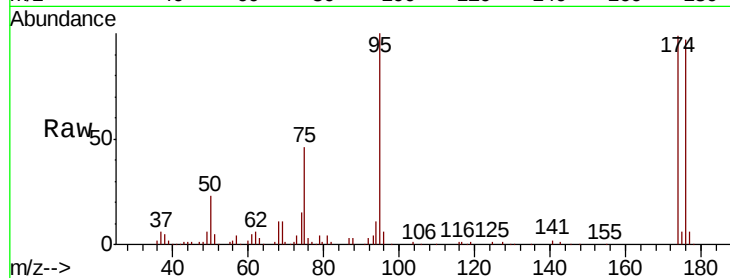
Tot Ion: 75 Resp: 96530

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



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

