

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065206.D
 Acq On : 17 Feb 2020 19:39
 Operator : VA/SY
 Sample : L1551-04
 Misc : 6.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-B

Quant Time: Feb 18 03:18:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	495	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.86	114	994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	78	18.54	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	37.08%	
35) Dibromofluoromethane	7.92	113	119	21.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.92%	
50) Toluene-d8	10.34	98	889	40.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.54%	
62) 4-Bromofluorobenzene	12.64	95	512	73.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.40%	

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	372	76.717	ug/l #	40
5) Bromomethane	2.78	94	117	35.187	ug/l #	3
6) Chloroethane	2.90	64	69	21.691	ug/l #	44
7) Trichlorofluoromethane	3.29	101	95	12.730	ug/l #	18
8) Diethyl Ether	3.70	74	112	52.277	ug/l #	1
11) Tert butyl alcohol	5.26	59	1198	4660.622	ug/l #	88
12) 1,1-Dichloroethene	3.97	96	57	13.045	ug/l #	1
13) Acrolein	3.66	56	74	234.058	ug/l #	1
14) Allyl chloride	4.68	41	571	78.629	ug/l #	22
16) Acetone	4.17	43	7643	7266.297	ug/l	98
17) Carbon Disulfide	4.40	76	192	13.686	ug/l #	74
18) Methyl Acetate	4.47	43	210	95.559	ug/l #	52
20) Methylene Chloride	4.96	84	2376	552.627	ug/l	87
21) trans-1,2-Dichloroethene	5.44	96	62	12.542	ug/l #	1
25) 2-Butanone	7.26	43	111	88.468	ug/l #	50
27) cis-1,2-Dichloroethene	7.18	96	80	15.233	ug/l #	1
29) Tetrahydrofuran	7.59	42	856	1128.161	ug/l #	34
30) Chloroform	7.71	83	303	36.703	ug/l #	16
31) Cyclohexane	7.98	56	736	87.941	ug/l #	52
37) Ethyl Acetate	7.26	43	111	29.396	ug/l #	69
39) Methylcyclohexane	9.34	83	523	45.843	ug/l #	70
40) Benzene	8.34	78	586	22.959	ug/l #	51
41) Methacrylonitrile	7.57	41	456	219.203	ug/l #	19
43) Isopropyl Acetate	8.68	43	60	8.307	ug/l #	52
48) Methyl methacrylate	9.51	41	130	37.402	ug/l #	13
51) 4-Methyl-2-Pentanone	10.18	43	86	24.189	ug/l #	37
52) Toluene	10.40	92	941	57.765	ug/l	97
53) t-1,3-Dichloropropene	10.74	75	147	17.819	ug/l #	44
55) 1,1,2-Trichloroethane	10.73	97	229	51.919	ug/l #	17
56) Ethyl methacrylate	10.53	69	56	10.034	ug/l #	1
59) 2-Hexanone	10.96	43	206	81.800	ug/l #	26
60) Dibromochloromethane	10.87	129	85	14.878	ug/l #	11
64) Tetrachloroethene	10.87	164	61	9.560	ug/l #	12
67) Ethyl Benzene	11.76	91	376	12.050	ug/l #	43

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

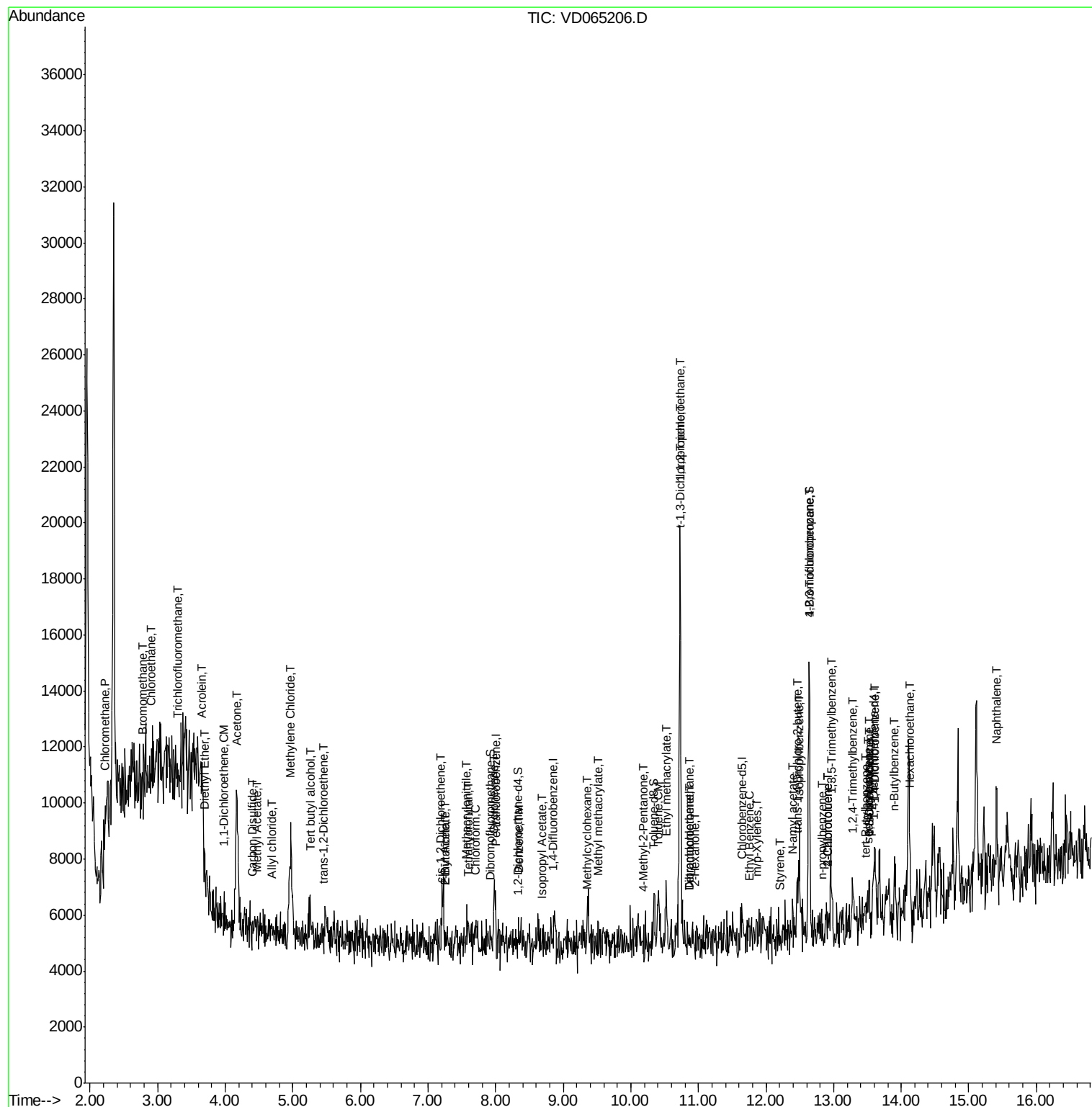
68) m/p-Xylenes	11.87	106	376	31.571	ug/l #	72
70) Styrene	12.20	104	81	4.345	ug/l #	44
73) Isopropylbenzene	12.48	105	373	9.568	ug/l #	48
74) N-amyl acetate	12.40	43	85	10.031	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	212	49.298	ug/l #	100
78) n-propylbenzene	12.83	91	239	5.235	ug/l #	52
79) 2-Chlorotoluene	12.91	91	76	2.986	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.96	105	1220	38.252	ug/l	84
81) trans-1,4-Dichloro-2-buten	12.46	75	1023	475.755	ug/l #	10
82) 4-Chlorotoluene	12.91	91	76	2.844	ug/l #	40
83) tert-Butylbenzene	13.47	119	310	11.266	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.28	105	981	30.982	ug/l	81
85) sec-Butylbenzene	13.51	105	84	2.235	ug/l #	1
86) p-Isopropyltoluene	13.53	119	909	26.033	ug/l #	65
87) 1,3-Dichlorobenzene	13.53	146	55	3.127	ug/l #	19
88) 1,4-Dichlorobenzene	13.61	146	169	9.655	ug/l #	44
89) n-Butylbenzene	13.90	91	63	1.955	ug/l #	33
90) Hexachloroethane	14.13	117	136	20.569	ug/l #	7
95) Naphthalene	15.41	128	3386	189.219	ug/l	95

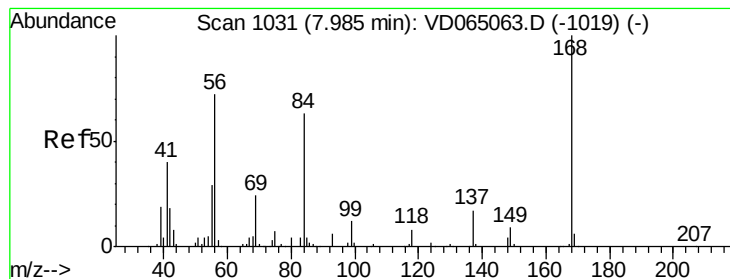
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

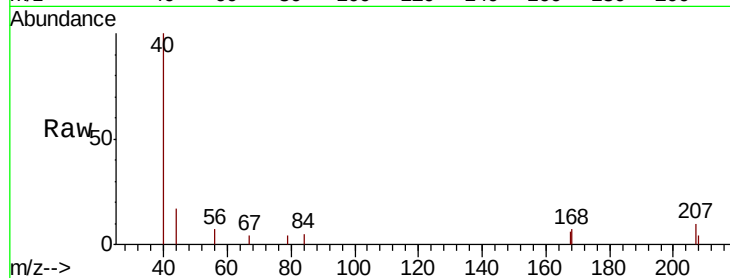
FK-SF-01-007-B

Tot Ion:168 Resp: 495

Ion Ratio Lower Upper

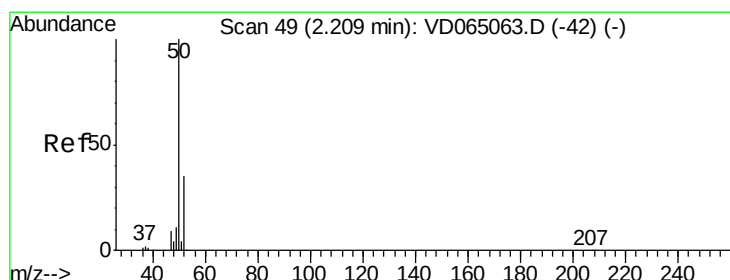
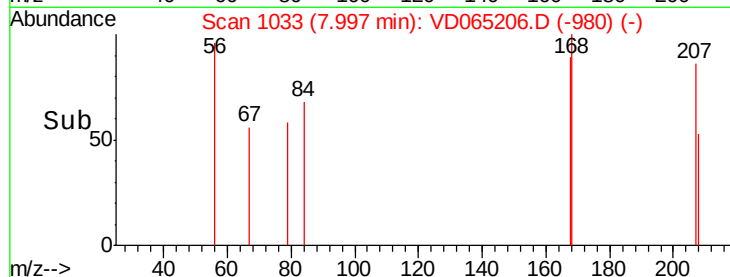
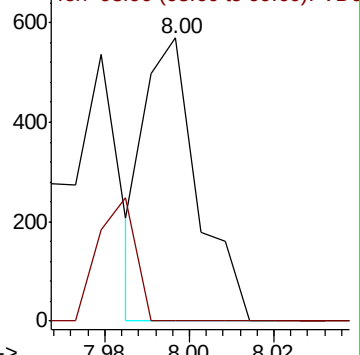
168 100

99 0.0 41.0 61.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 76.717 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065206.D

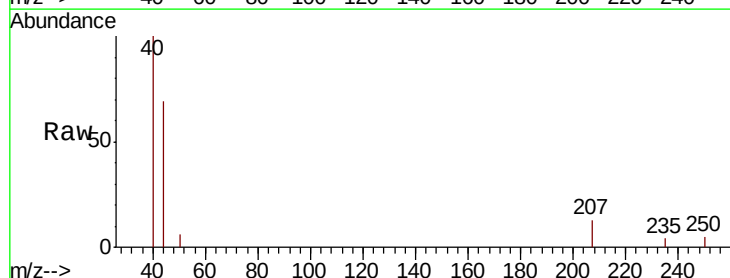
Acq: 17 Feb 2020 19:39

Tgt Ion: 50 Resp: 372

Ion Ratio Lower Upper

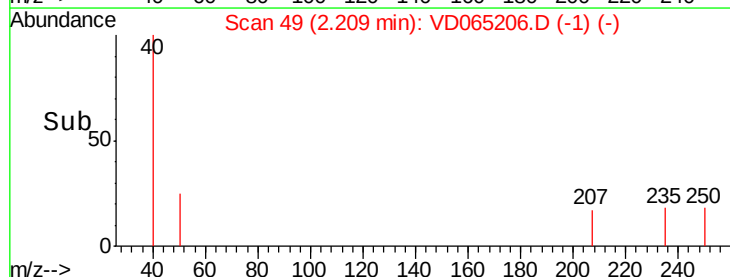
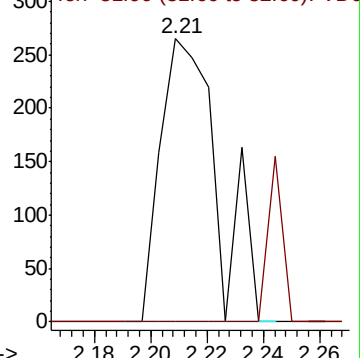
50 100

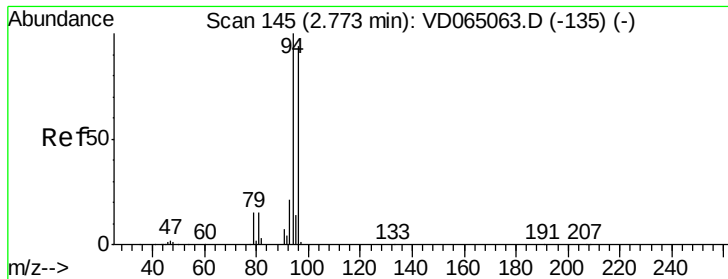
52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 35.187 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

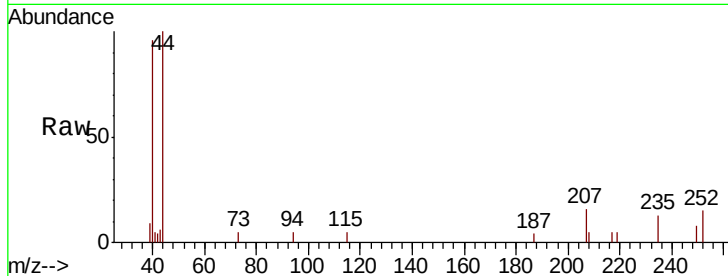
FK-SF-01-007-B

Tot Ion: 94 Resp: 117

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

300

250

200

150

100

50

0

2.75

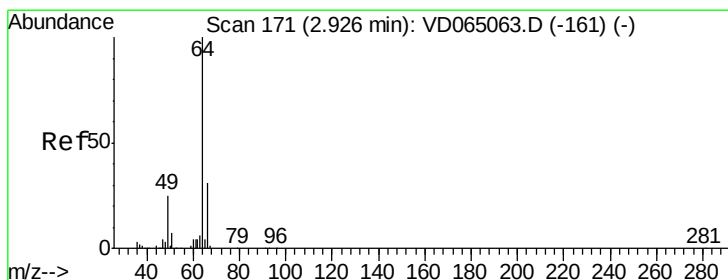
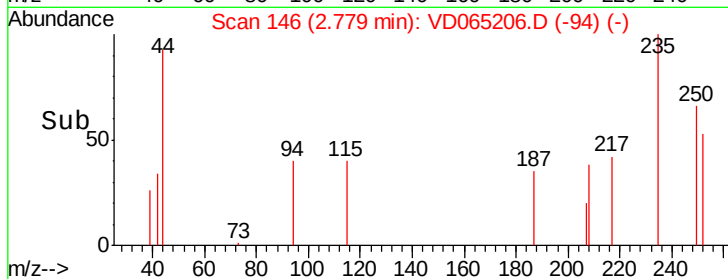
2.76

2.77

2.78

2.79

Time-->



#6

Chloroethane

Concen: 21.691 ug/l

RT: 2.90 min Scan# 167

Delta R.T. -0.02 min

Lab File: VD065206.D

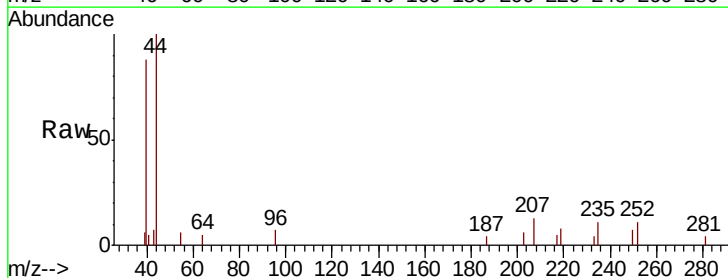
Acq: 17 Feb 2020 19:39

Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

200

150

100

50

0

2.88

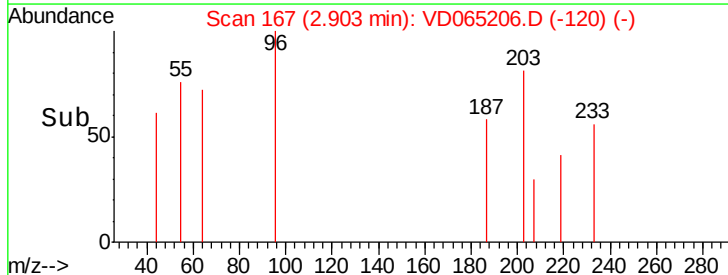
2.89

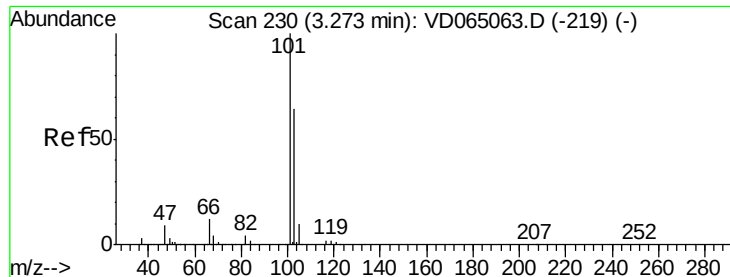
2.90

2.91

2.92

Time-->



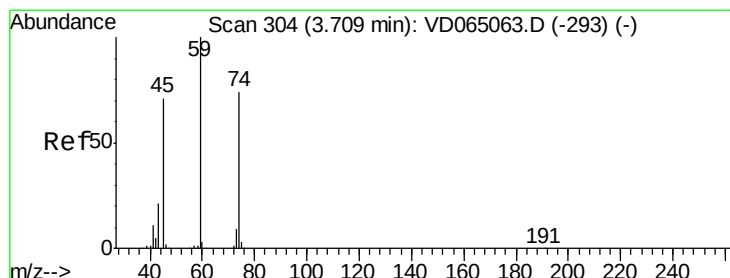
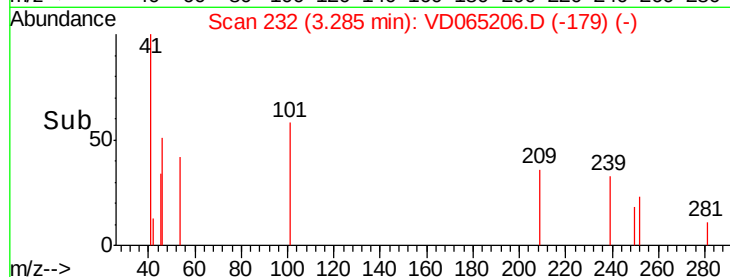
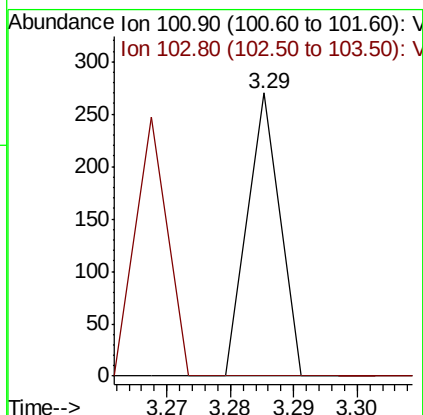
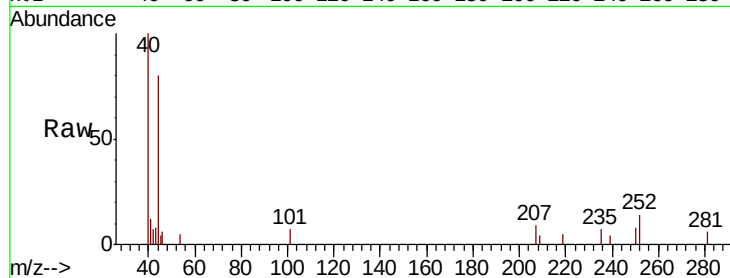


#7

Trichlorofluoromethane
Concen: 12.730 ug/l
RT: 3.29 min Scan# 232
Delta R.T. 0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

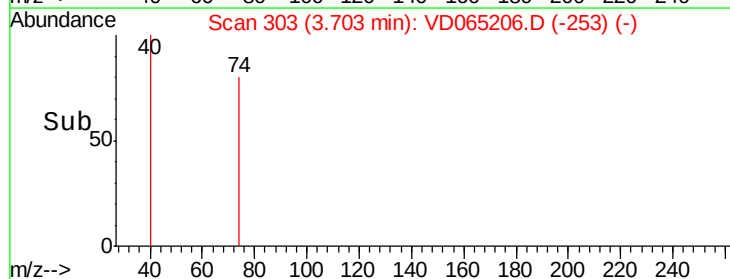
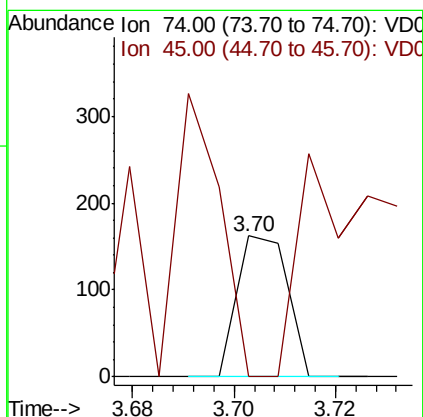
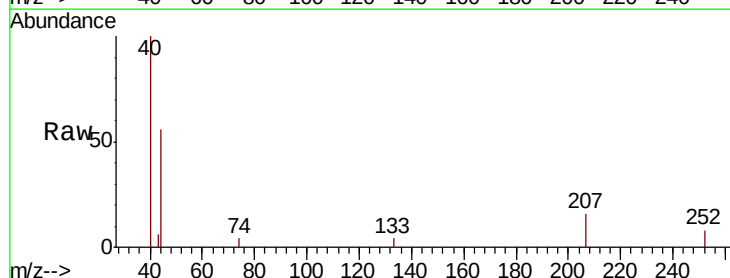
Tot Ion:101 Resp: 95
Ion Ratio Lower Upper
101 100
103 0.0 51.0 76.6#

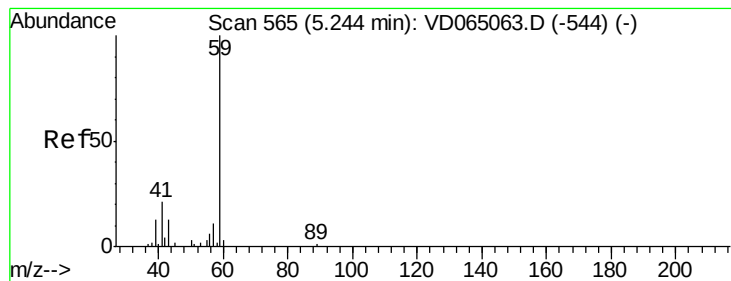


#8

Diethyl Ether
Concen: 52.277 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion: 74 Resp: 112
Ion Ratio Lower Upper
74 100
45 258.9 49.0 147.0#



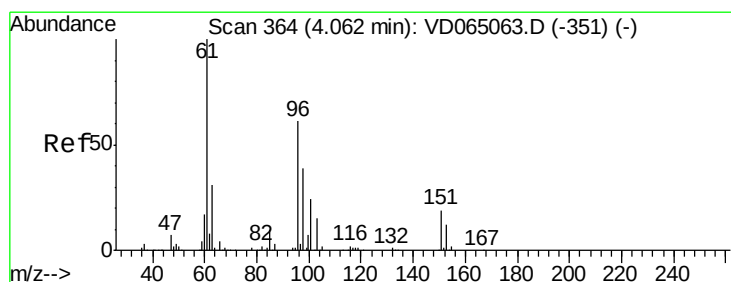
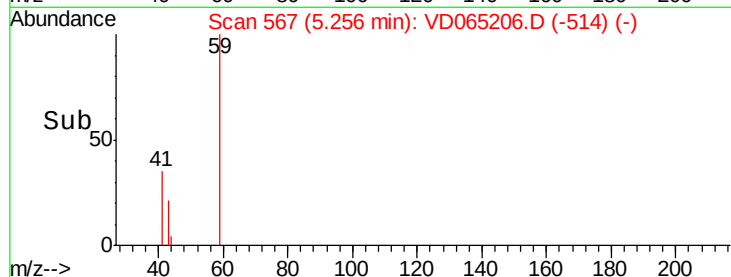
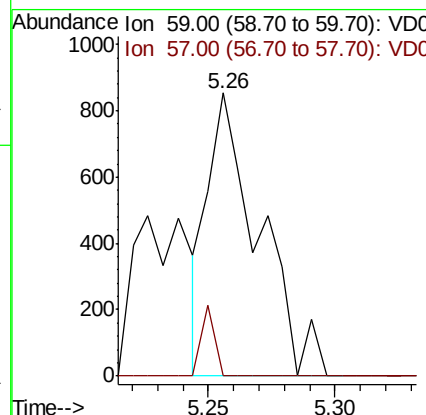
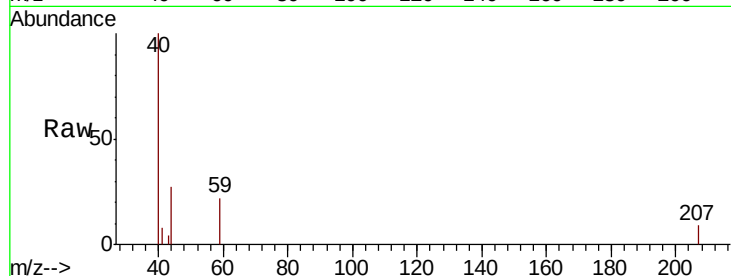


#11

Tert butyl alcohol
 Concen: 4660.622 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-B

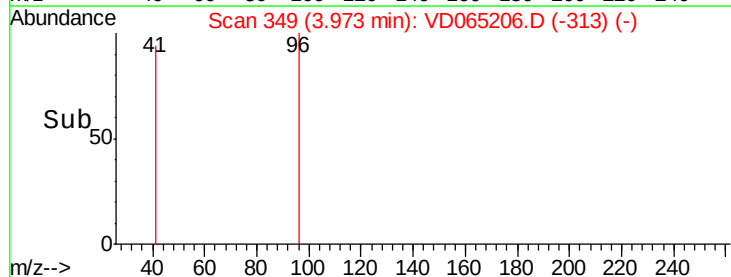
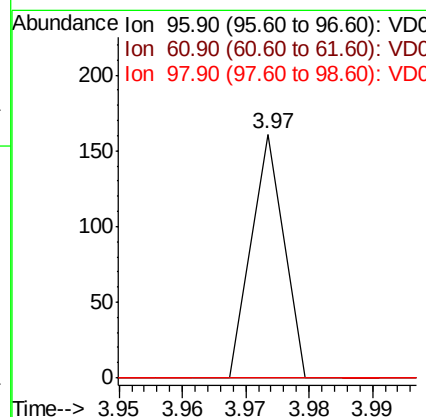
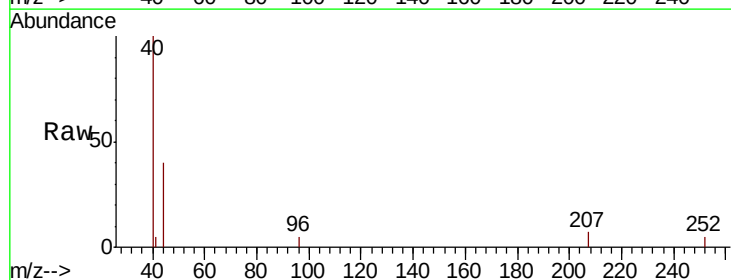
Tot Ion: 59 Resp: 1198
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.8 13.2#

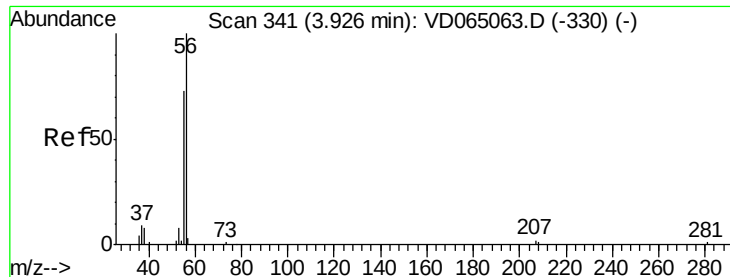


#12

1,1-Dichloroethene
 Concen: 13.045 ug/l
 RT: 3.97 min Scan# 349
 Delta R.T. -0.09 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

Tgt Ion: 96 Resp: 57
 Ion Ratio Lower Upper
 96 100
 61 0.0 131.4 197.2#
 98 0.0 51.1 76.7#





#13

Acrolein

Concen: 234.058 ug/l

RT: 3.66 min Scan# 296

Delta R.T. -0.26 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

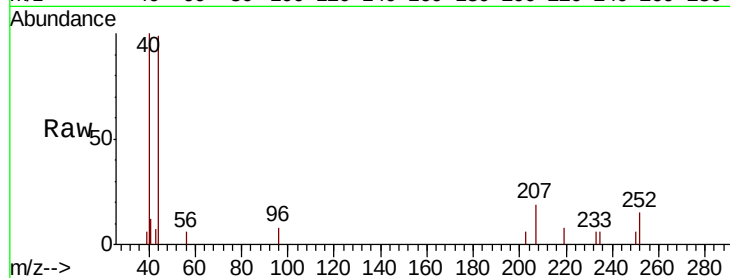
FK-SF-01-007-B

Tot Ion: 56 Resp: 74

Ion Ratio Lower Upper

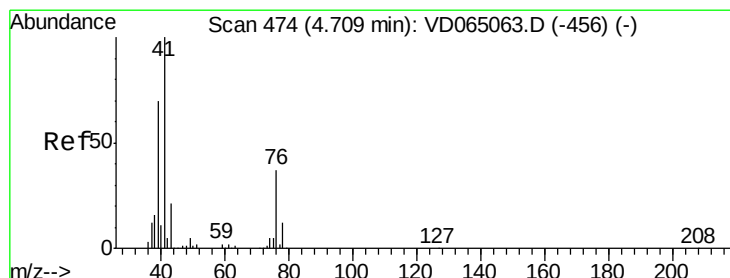
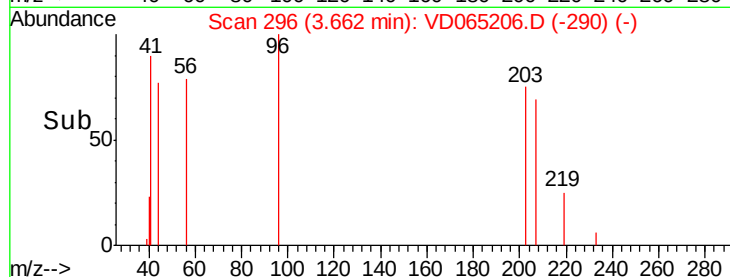
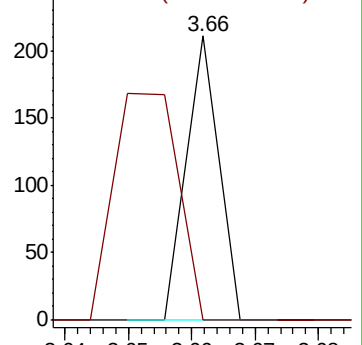
56 100

55 159.5 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 78.629 ug/l

RT: 4.68 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

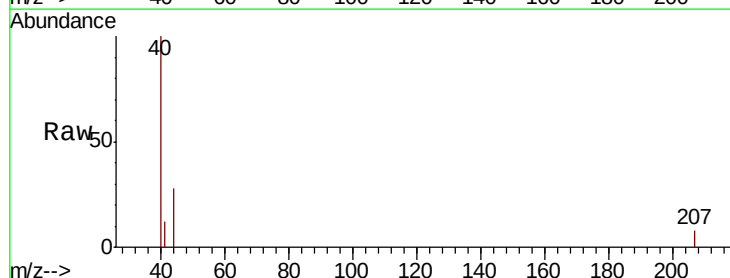
Tgt Ion: 41 Resp: 571

Ion Ratio Lower Upper

41 100

39 0.0 57.1 85.7#

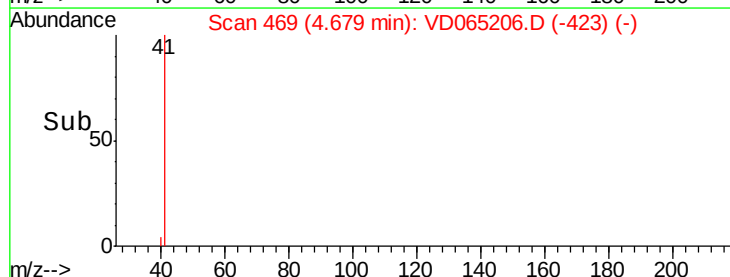
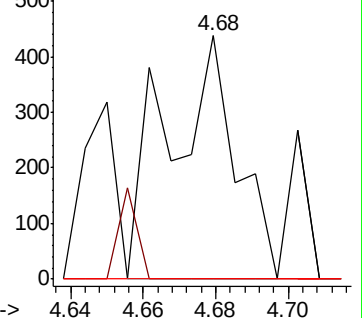
76 0.0 28.0 42.0#

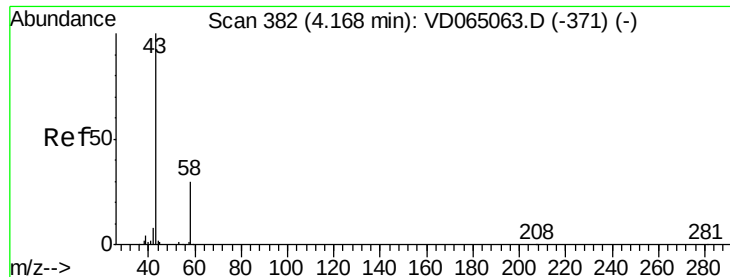


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#16

Acetone

Concen: 7266.297 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

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ClientSampleId :

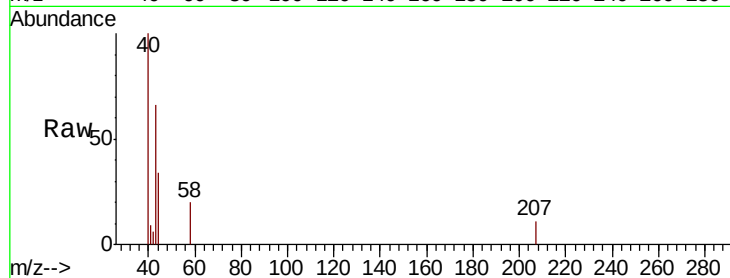
FK-SF-01-007-B

Tot Ion: 43 Resp: 7643

Ion Ratio Lower Upper

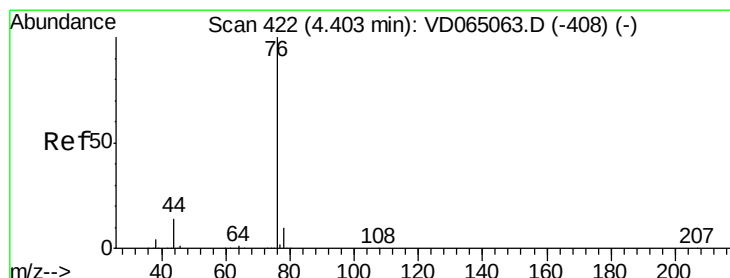
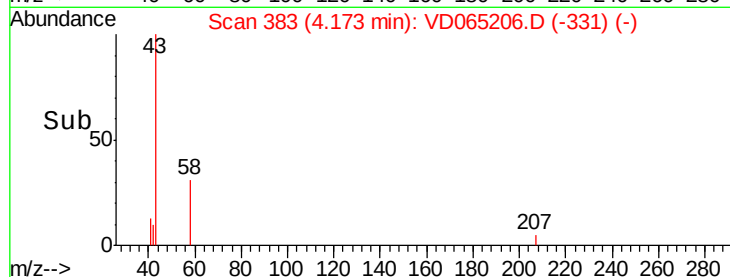
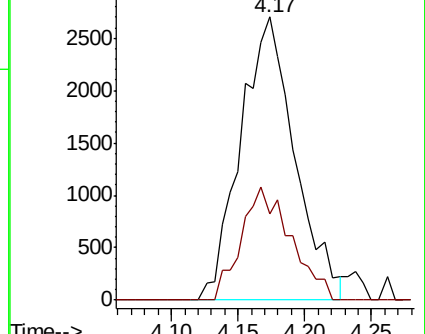
43 100

58 30.5 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 13.686 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065206.D

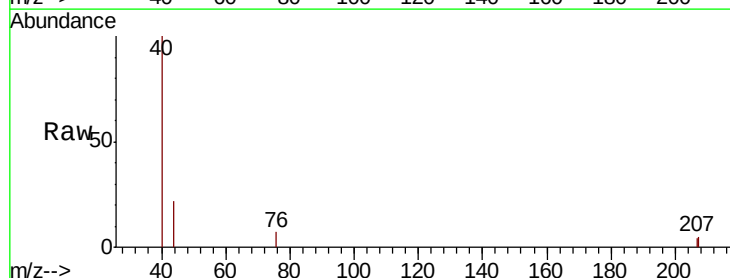
Acq: 17 Feb 2020 19:39

Tgt Ion: 76 Resp: 192

Ion Ratio Lower Upper

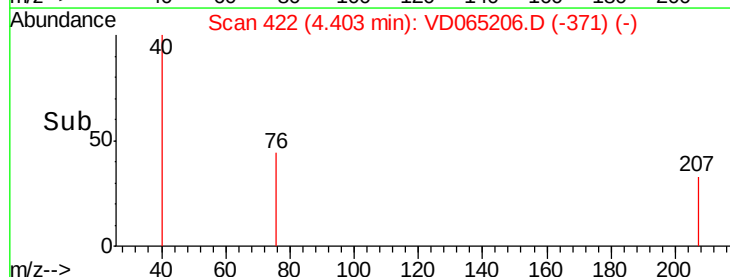
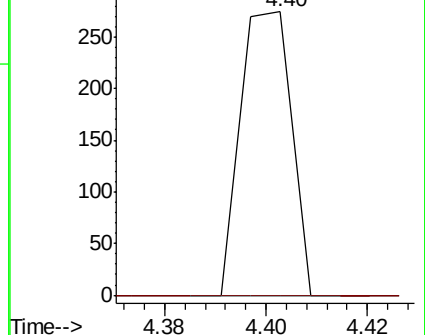
76 100

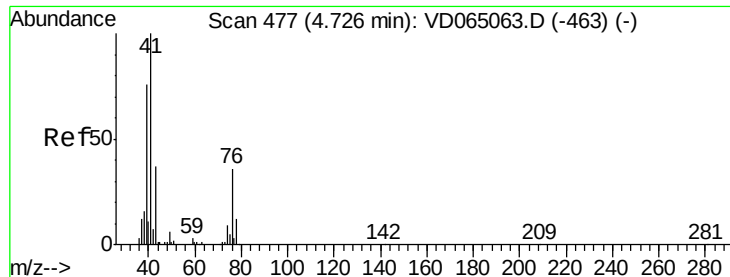
78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

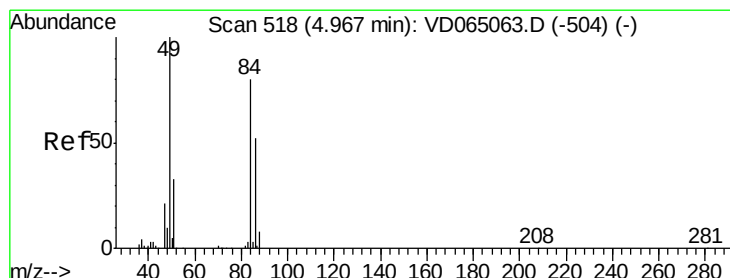
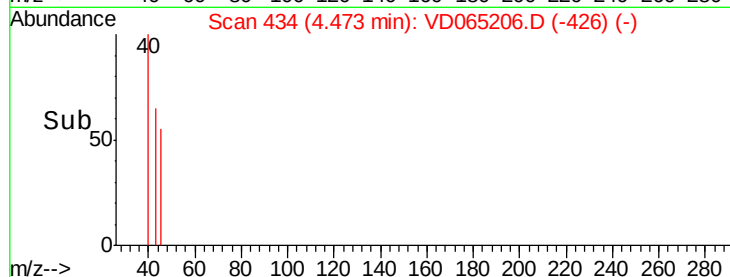
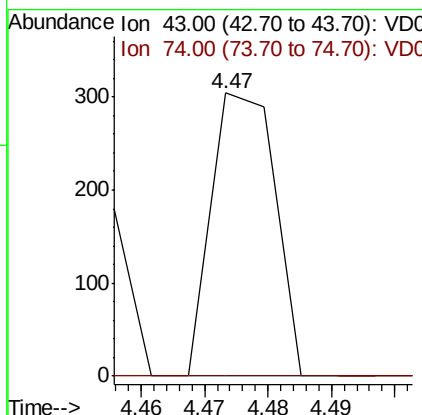
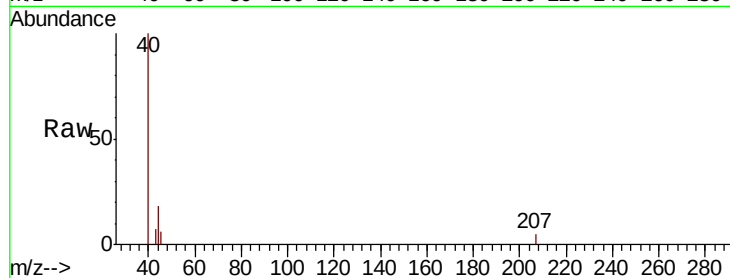




#18
Methvl Acetate
Concen: 95.559 ug/l
RT: 4.47 min Scan# 434
Delta R.T. -0.25 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

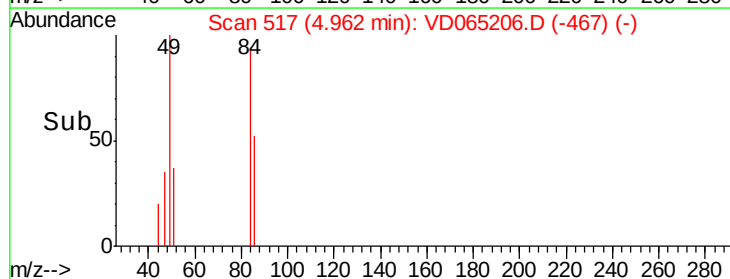
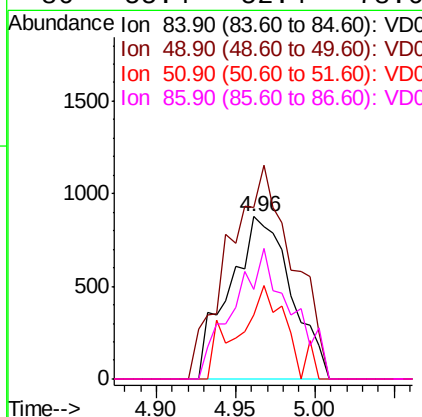
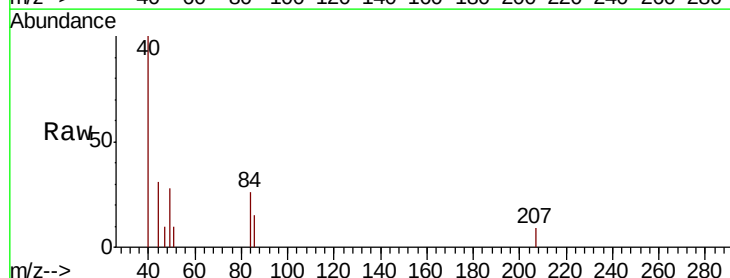
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

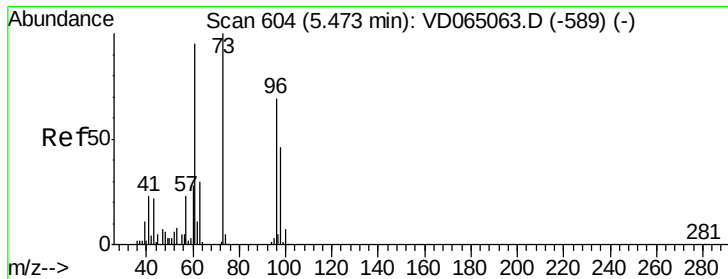
Tot Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: 552.627 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion: 84 Resp: 2376
Ion Ratio Lower Upper
84 100
49 106.2 100.4 150.6
51 39.4 32.7 49.1
86 55.4 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 12.542 ug/l

RT: 5.44 min Scan# 599

Delta R.T. -0.03 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-B

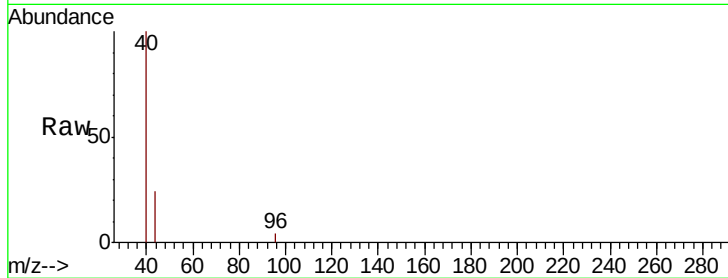
Tot Ion: 96 Resp: 62

Ion Ratio Lower Upper

96 100

61 0.0 109.5 164.3#

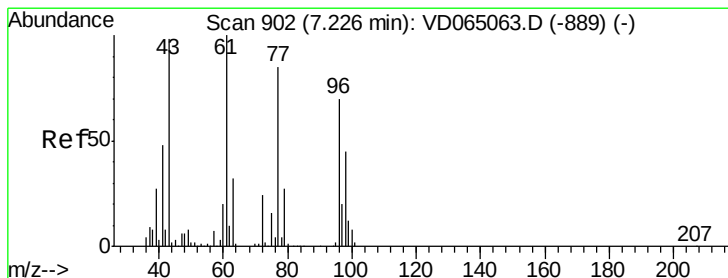
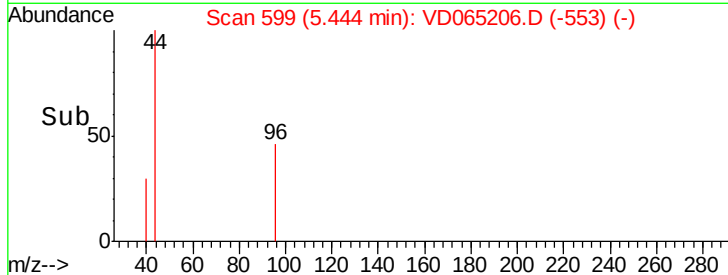
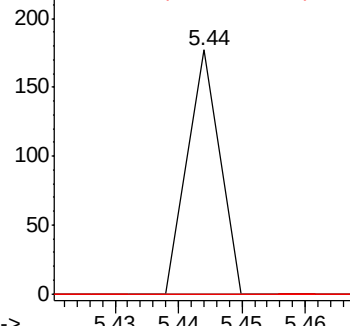
98 0.0 53.7 80.5#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#25

2-Butanone

Concen: 88.468 ug/l

RT: 7.26 min Scan# 907

Delta R.T. 0.03 min

Lab File: VD065206.D

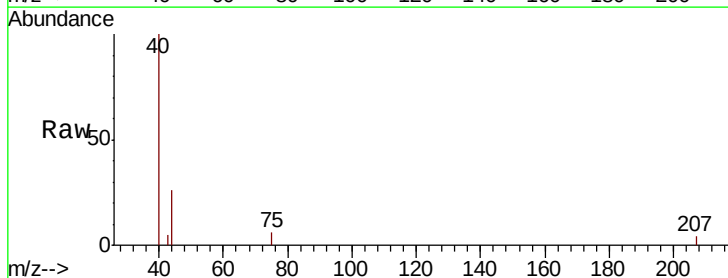
Acq: 17 Feb 2020 19:39

Tgt Ion: 43 Resp: 111

Ion Ratio Lower Upper

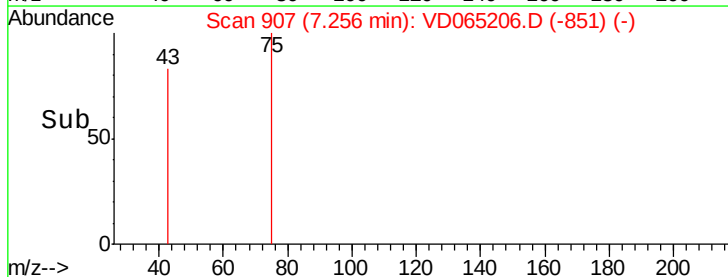
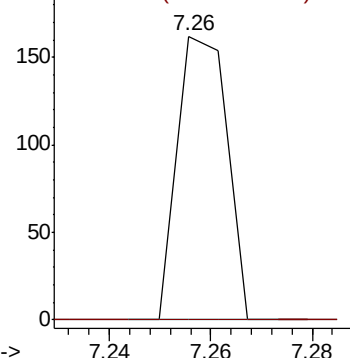
43 100

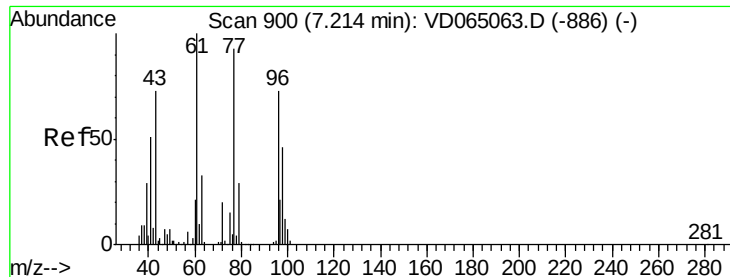
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



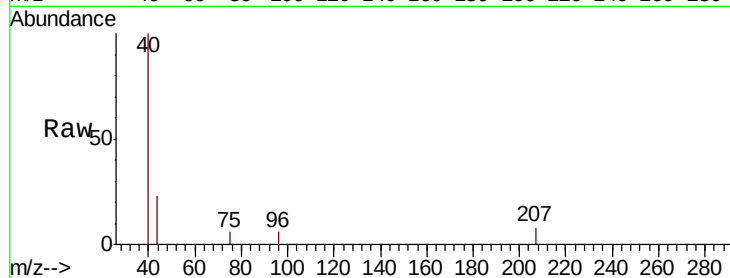


#27

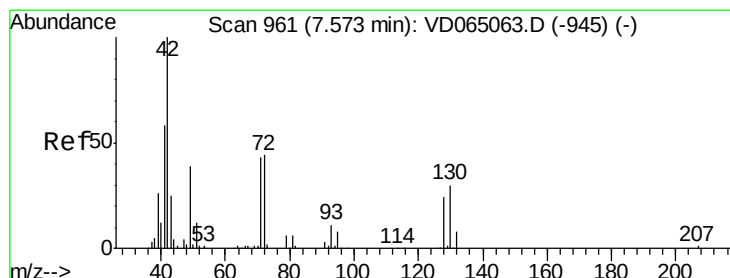
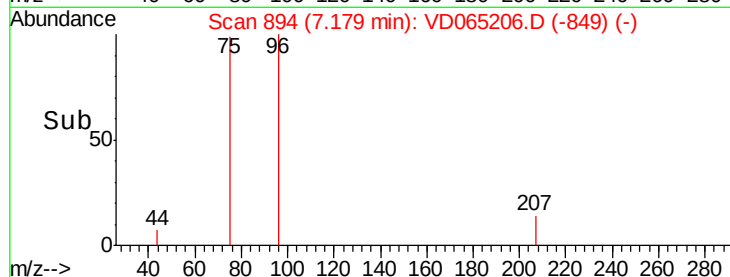
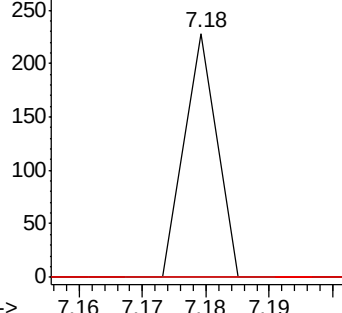
cis-1,2-Dichloroethene
 Concen: 15.233 ug/l
 RT: 7.18 min Scan# 894
 Delta R.T. -0.04 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-B

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	292.8
98	0.0	0.0	128.8



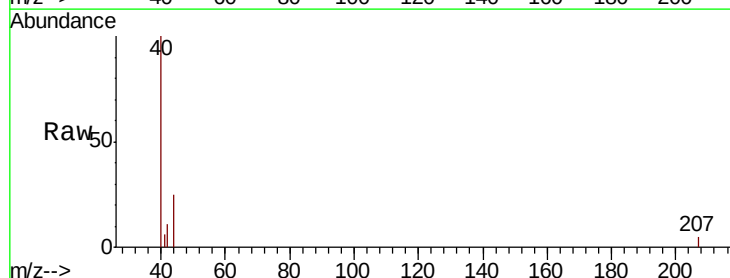
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



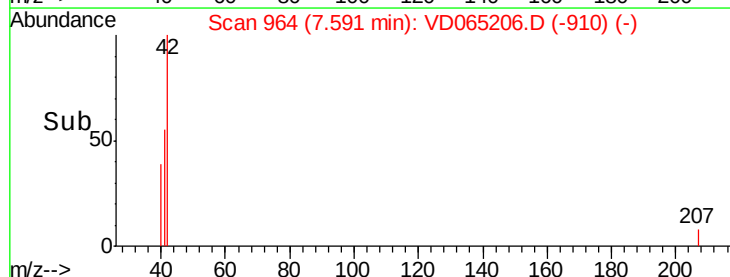
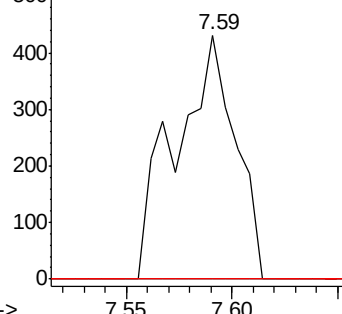
#29

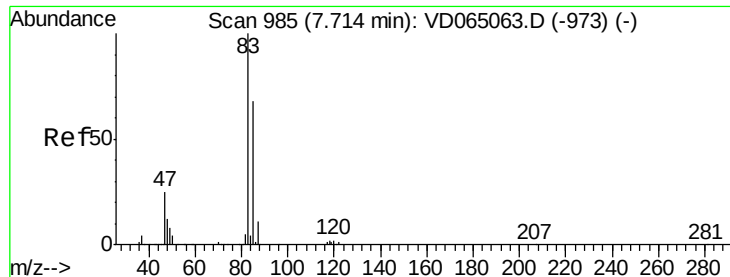
Tetrahydrofuran
 Concen: 1128.161 ug/l
 RT: 7.59 min Scan# 964
 Delta R.T. 0.02 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	0.0	31.8	47.6#



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





#30

Chloroform

Concen: 36.703 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

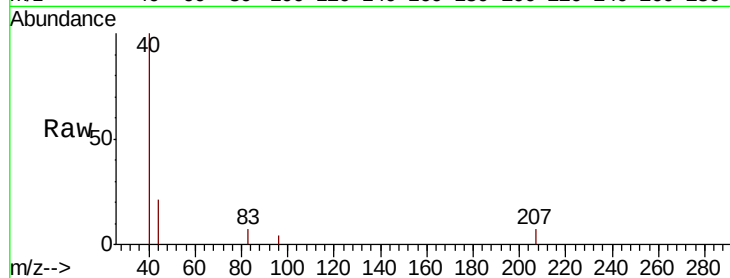
FK-SF-01-007-B

Tot Ion: 83 Resp: 303

Ion Ratio Lower Upper

83 100

85 0.0 54.2 81.4#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

7.71

250

200

150

100

50

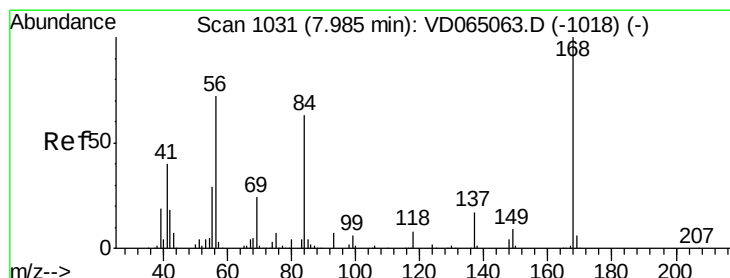
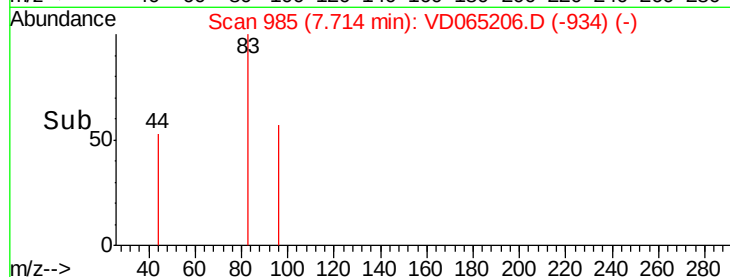
0

7.68

7.70

7.72

Time-->



#31

Cyclohexane

Concen: 87.941 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

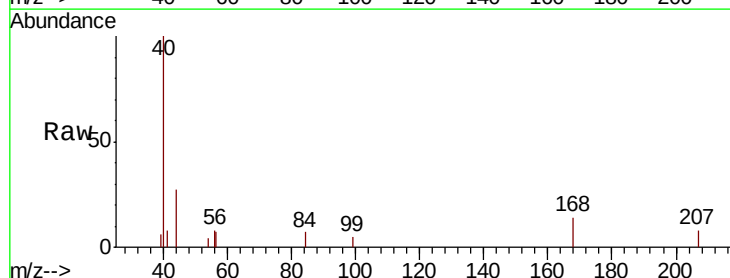
Tgt Ion: 56 Resp: 736

Ion Ratio Lower Upper

56 100

69 0.0 26.6 40.0#

84 47.8 70.6 106.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

600

400

200

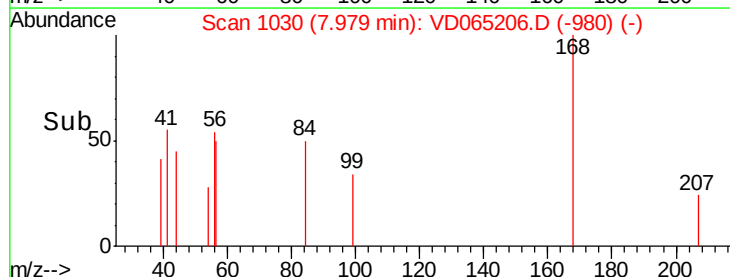
0

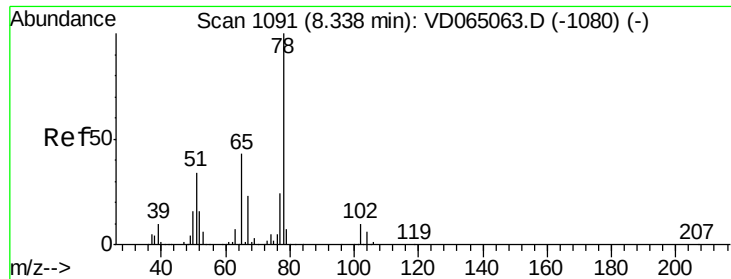
7.95

7.98

8.00

Time-->

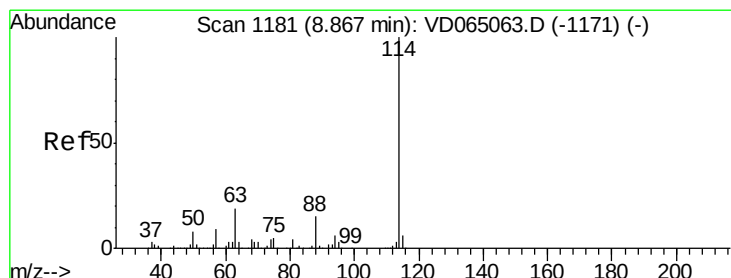
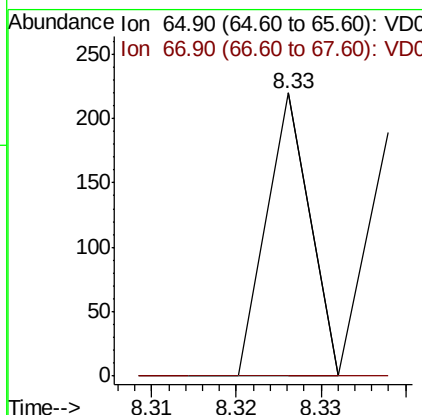
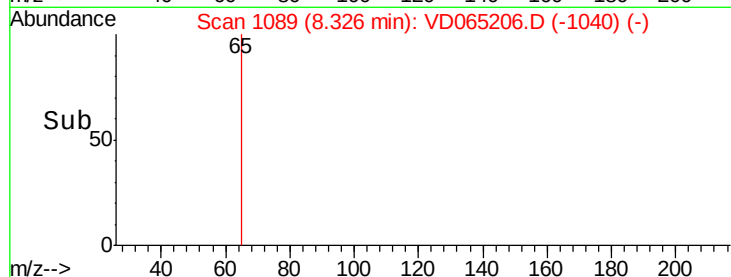
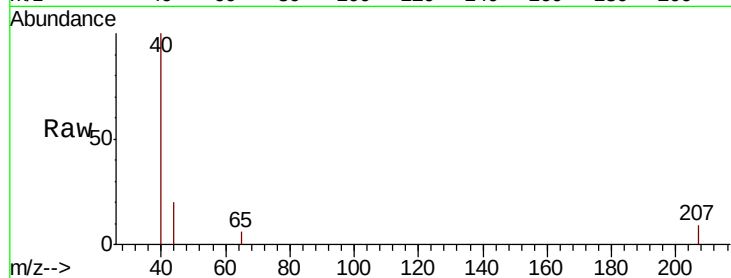




#33
 1,2-Dichloroethane-d4
 Concen: 18.540 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

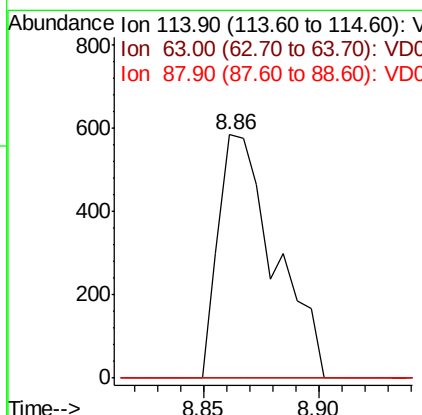
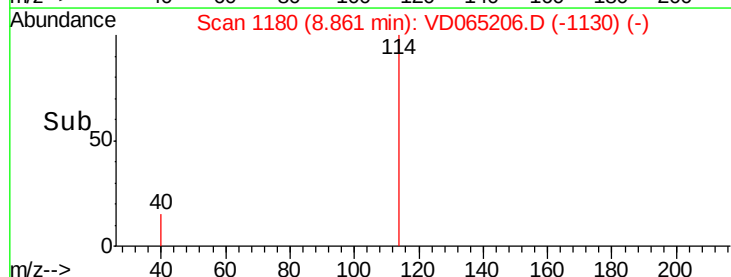
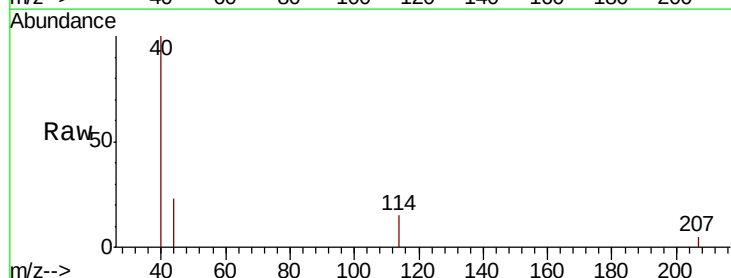
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-B

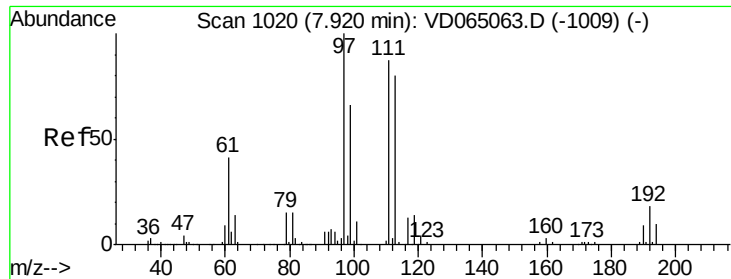
Tot Ion: 65 Resp: 78
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

Tgt Ion: 114 Resp: 994
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 38.8
 88 0.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 21.457 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-B

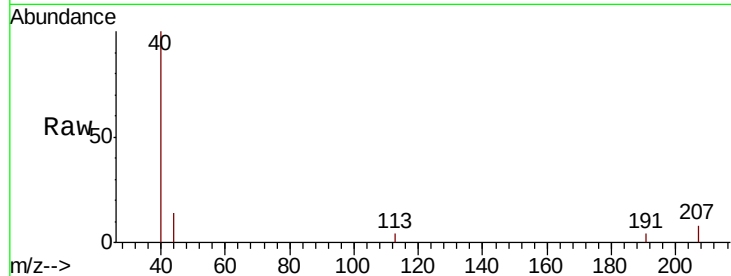
Tot Ion:113 Resp: 119

Ion Ratio Lower Upper

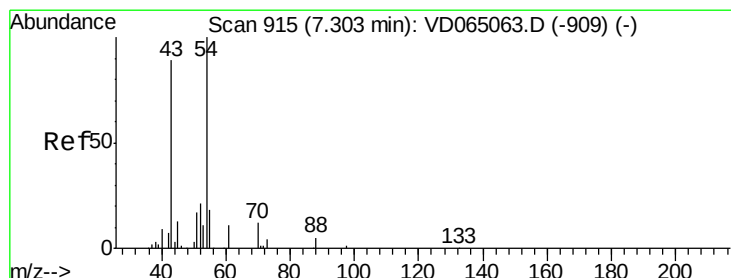
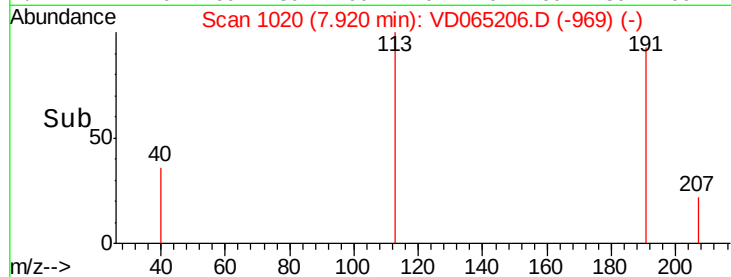
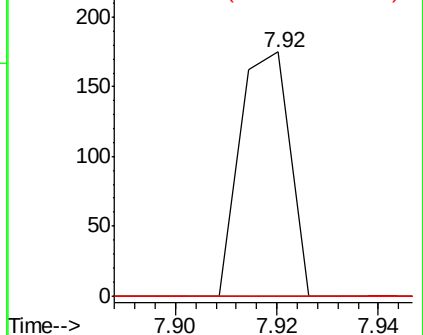
113 100

111 0.0 83.1 124.7#

192 0.0 18.1 27.1#



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#37

Ethyl Acetate

Concen: 29.396 ug/l

RT: 7.26 min Scan# 907

Delta R.T. -0.05 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

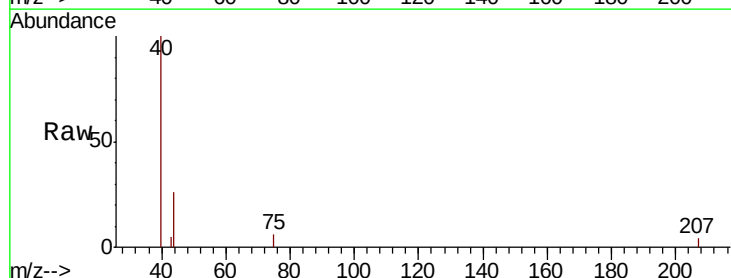
Tgt Ion: 43 Resp: 111

Ion Ratio Lower Upper

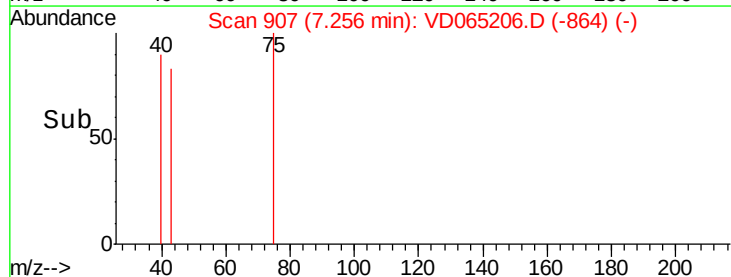
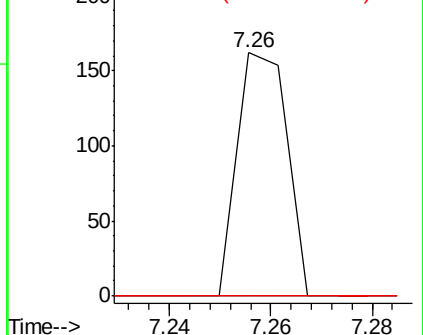
43 100

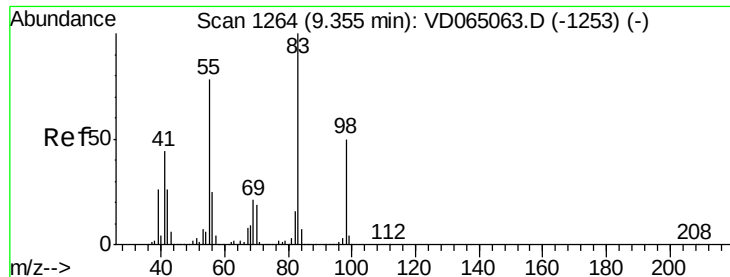
61 0.0 11.0 16.4#

70 0.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

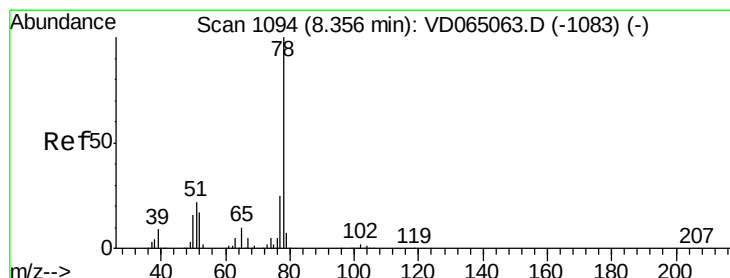
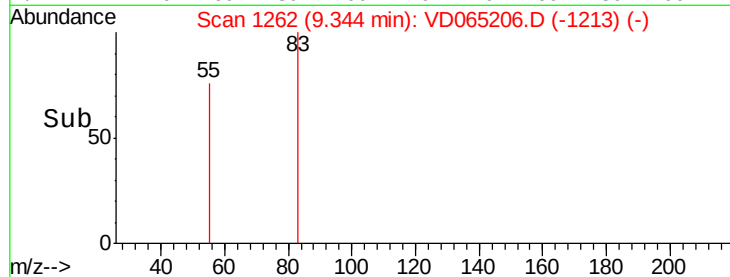
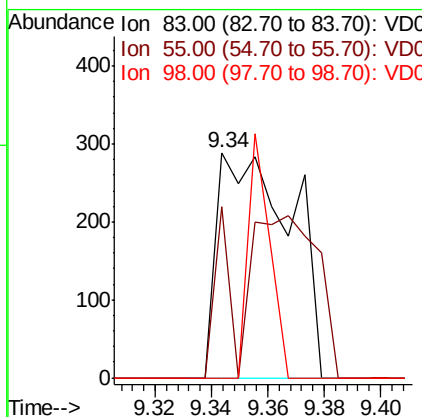
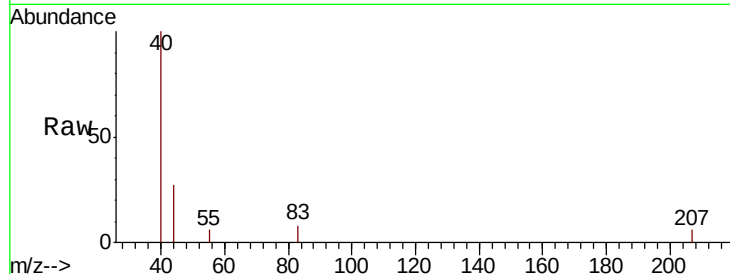




#39
Methylvlcyclohexane
Concen: 45.843 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

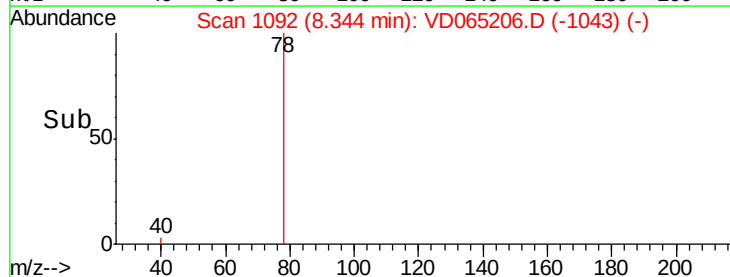
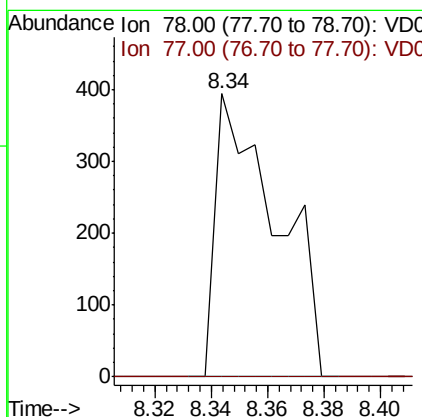
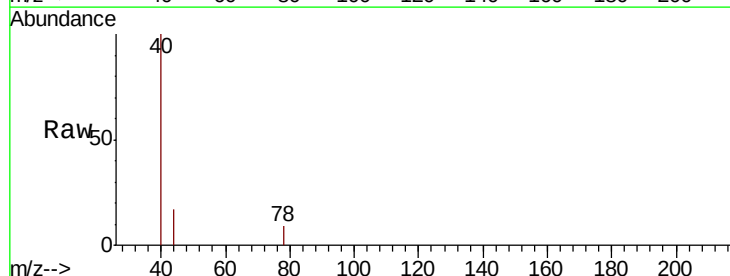
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

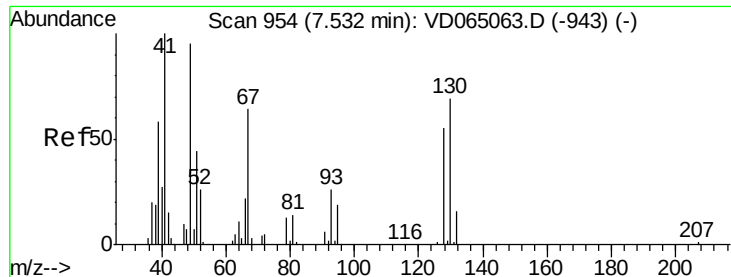
Tot Ion: 83 Resp: 523
Ion Ratio Lower Upper
83 100
55 75.8 62.0 93.0
98 0.0 39.9 59.9#



#40
Benzene
Concen: 22.959 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion: 78 Resp: 586
Ion Ratio Lower Upper
78 100
77 0.0 19.6 29.4#

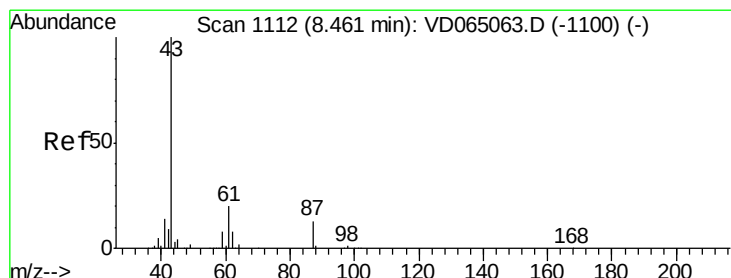
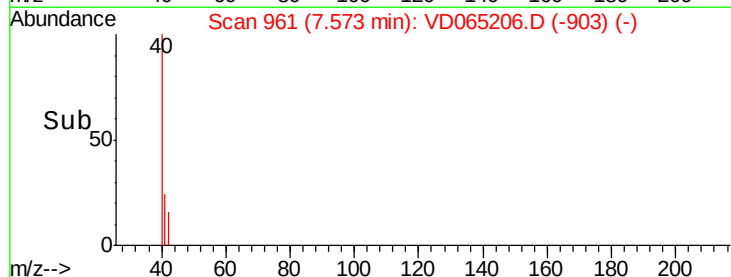
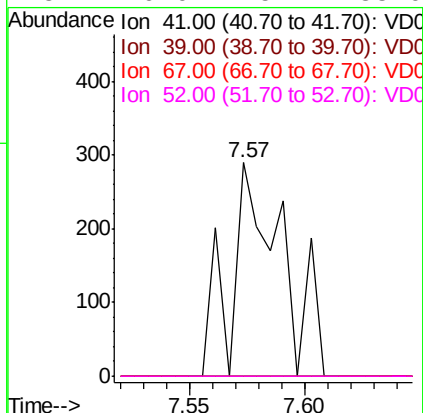
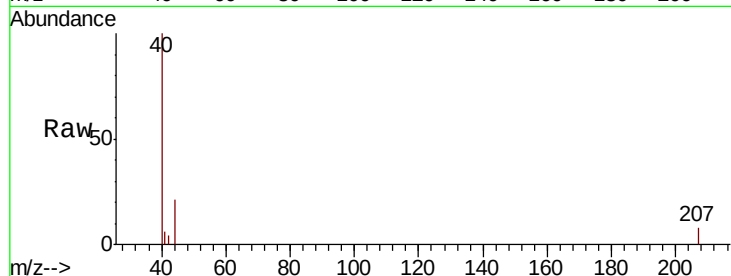




#41
Methacrylonitrile
Concen: 219.203 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

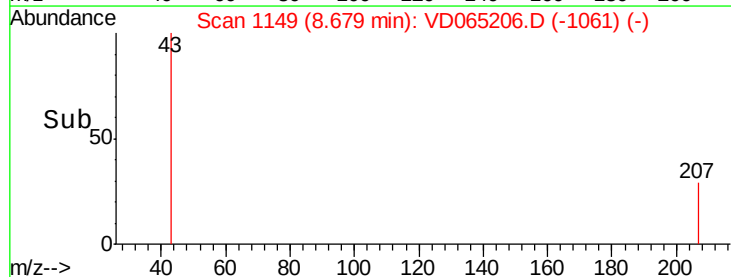
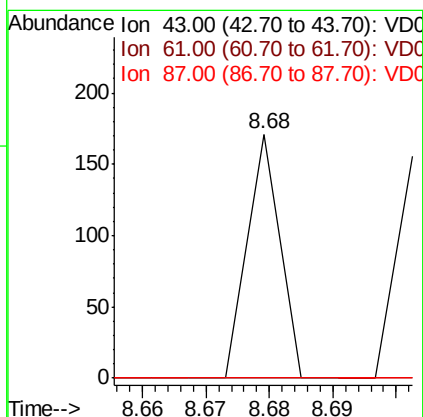
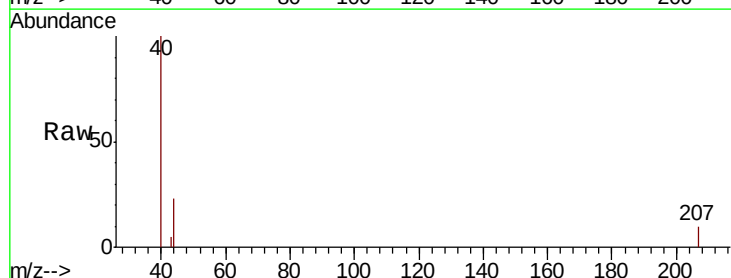
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

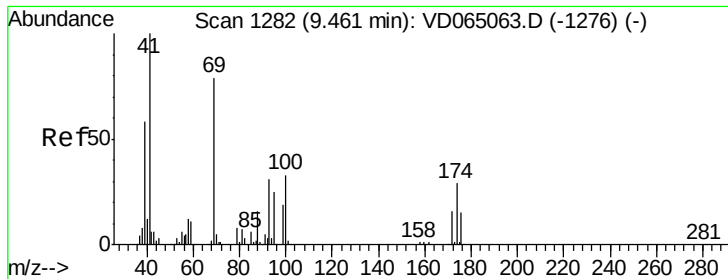
Tot Ion:	41	Resp:	456
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.4	83.0#
67	0.0	59.0	88.6#
52	0.0	25.4	38.0#



#43
Isopropyl Acetate
Concen: 8.307 ug/l
RT: 8.68 min Scan# 1149
Delta R.T. 0.22 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.0	36.0#
87	0.0	10.2	15.4#

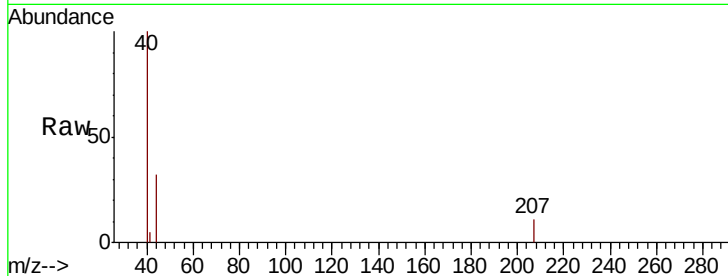




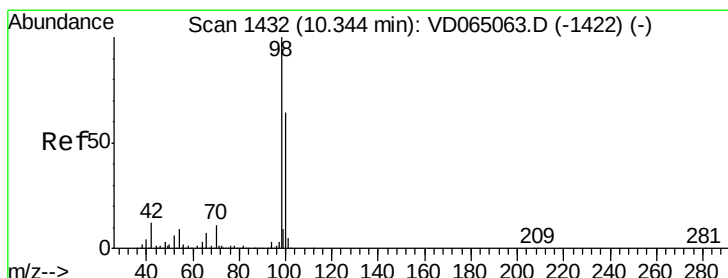
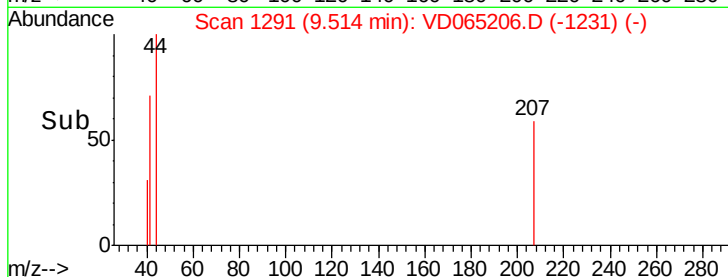
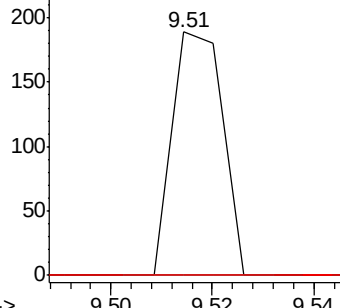
#48
Methyl methacrylate
Concen: 37.402 ug/l
RT: 9.51 min Scan# 1291
Delta R.T. 0.05 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

Tot Ion: 41 Resp: 130
Ion Ratio Lower Upper
41 100
69 0.0 67.5 101.3#
39 0.0 47.0 70.4#

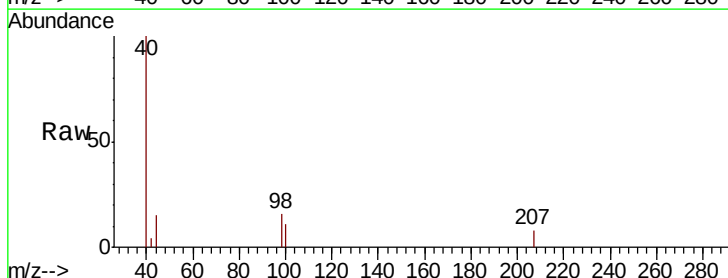


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

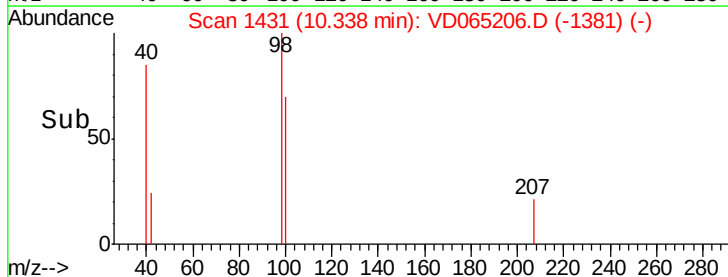
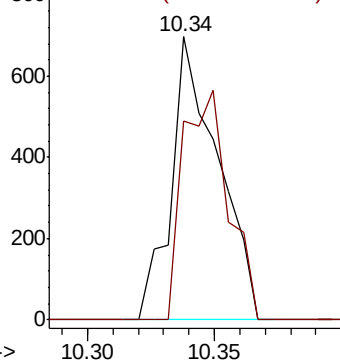


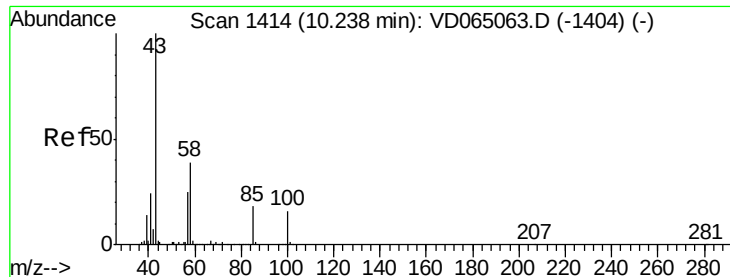
#50
Toluene-d8
Concen: 40.273 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion: 98 Resp: 889
Ion Ratio Lower Upper
98 100
100 78.7 52.1 78.1#



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 24.189 ug/l

RT: 10.18 min Scan# 1404

Delta R.T. -0.06 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

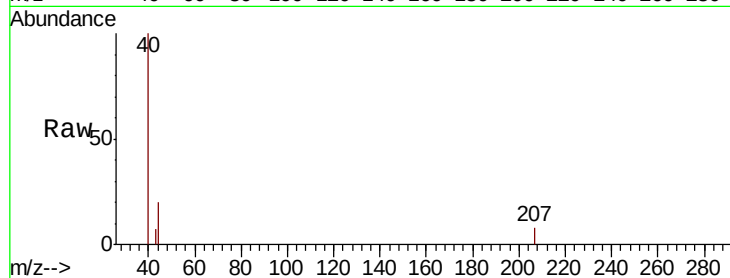
FK-SF-01-007-B

Tot Ion: 43 Resp: 86

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.18

250

200

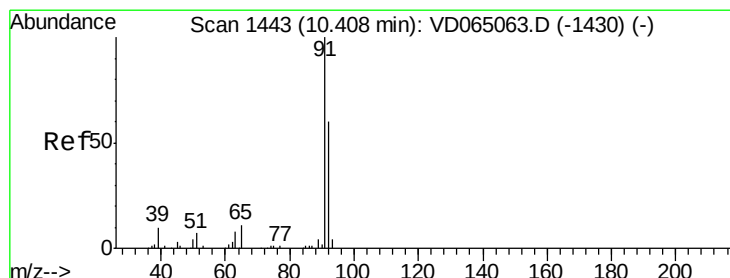
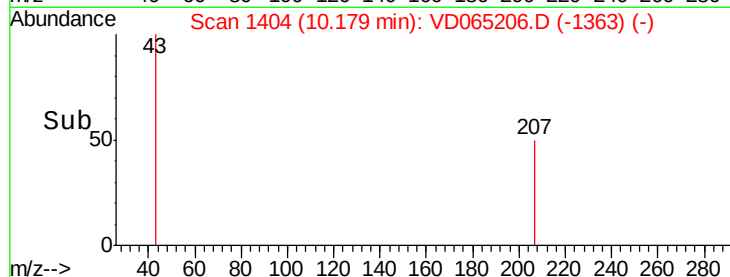
150

100

50

0

Time-->



#52

Toluene

Concen: 57.765 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065206.D

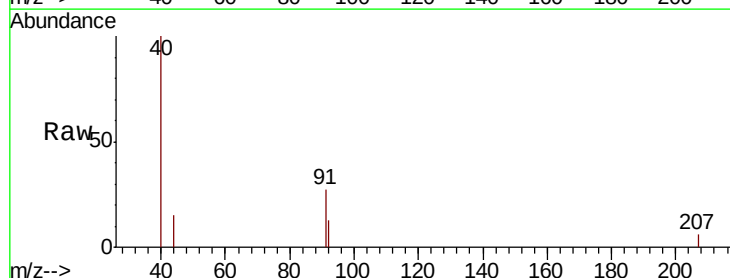
Acq: 17 Feb 2020 19:39

Tgt Ion: 92 Resp: 941

Ion Ratio Lower Upper

92 100

91 173.8 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1200

1000

800

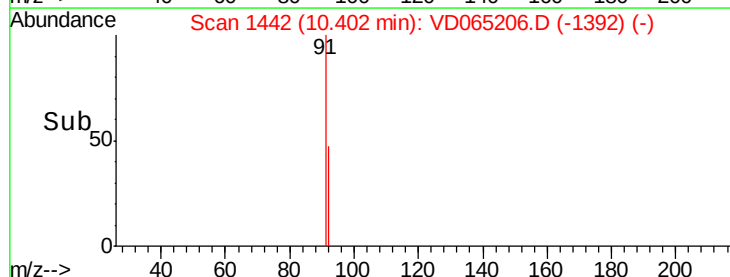
600

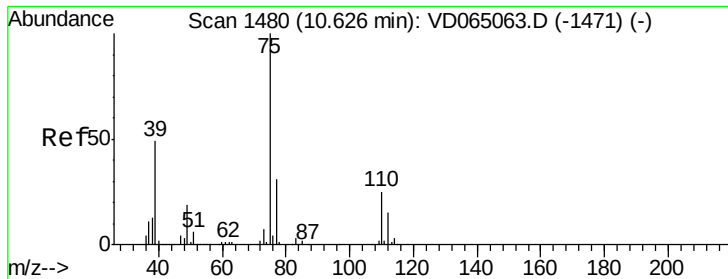
400

200

0

Time-->

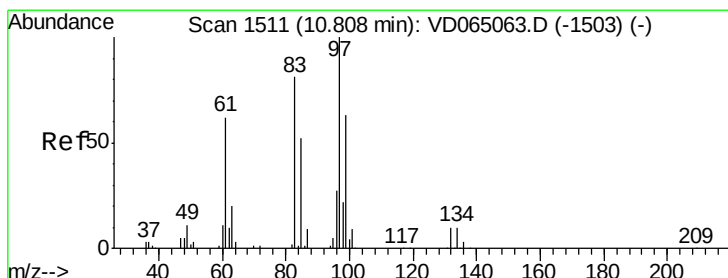
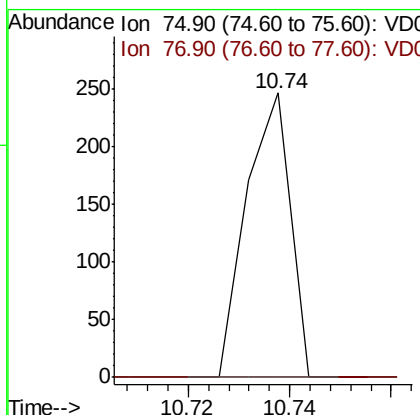
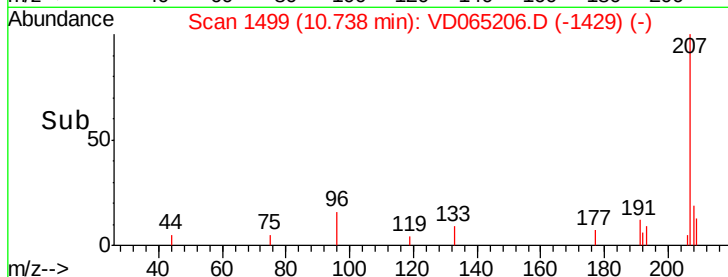
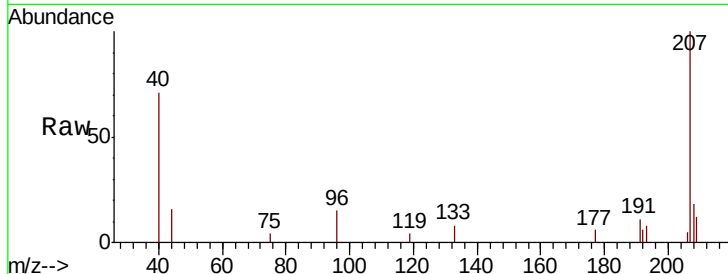




#53
t-1,3-Dichloropropene
Concen: 17.819 ug/l
RT: 10.74 min Scan# 1499
Delta R.T. 0.11 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

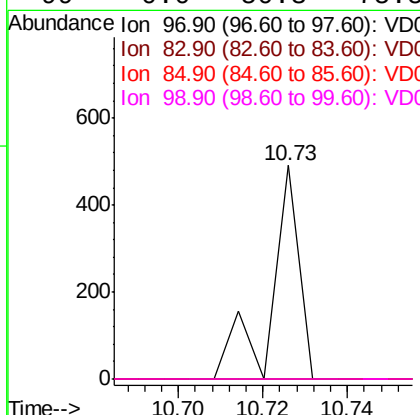
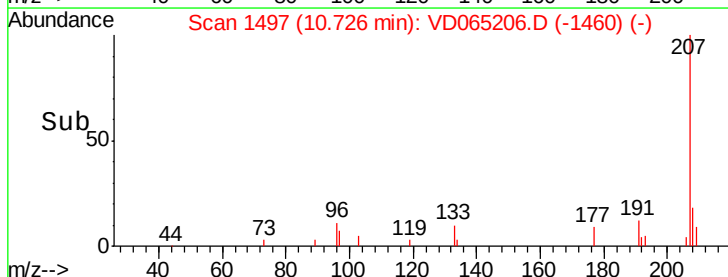
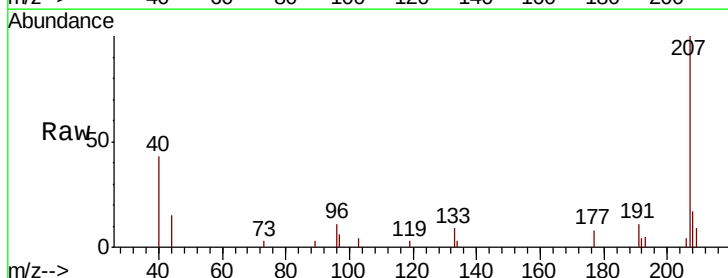
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

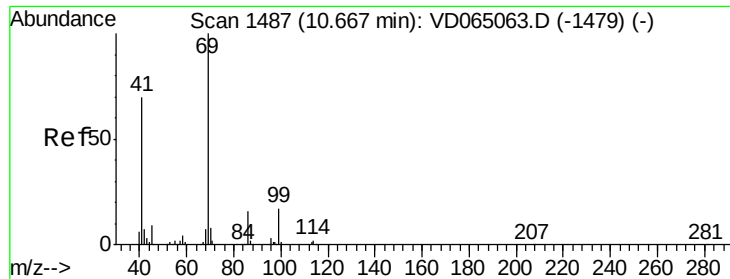
Tot Ion: 75 Resp: 147
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#55
1,1,2-Trichloroethane
Concen: 51.919 ug/l
RT: 10.73 min Scan# 1497
Delta R.T. -0.08 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion: 97 Resp: 229
Ion Ratio Lower Upper
97 100
83 0.0 64.8 97.2#
85 0.0 41.2 61.8#
99 0.0 50.3 75.5#

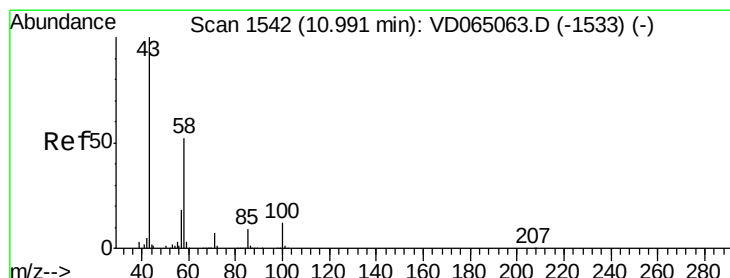
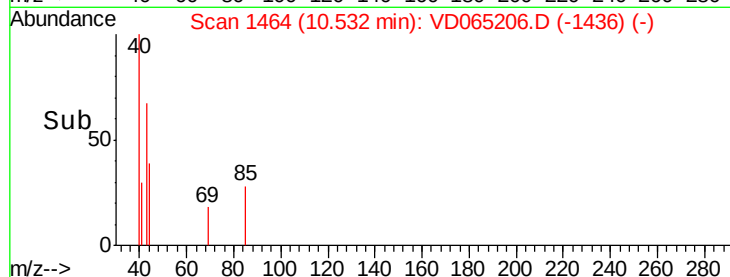
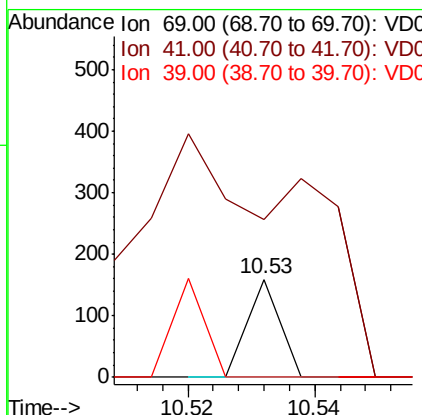
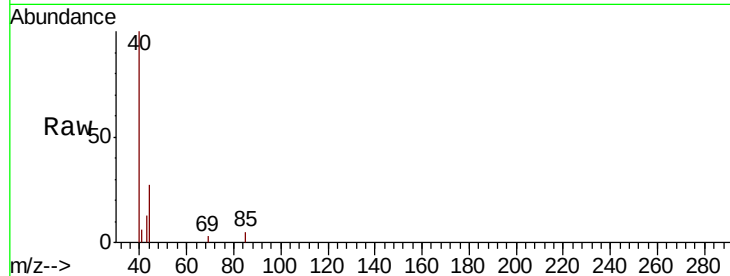




#56
Ethyl methacrylate
Concen: 10.034 ug/l
RT: 10.53 min Scan# 1464
Delta R.T. -0.14 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

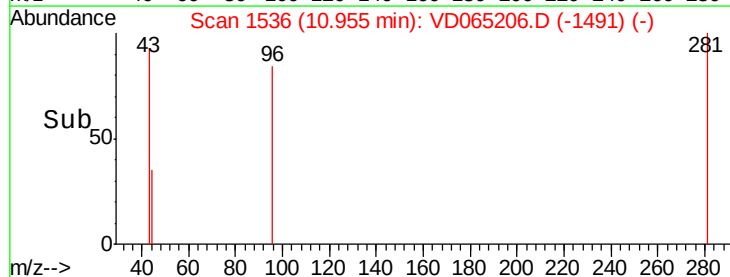
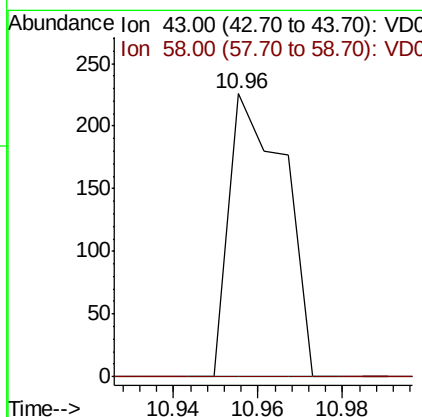
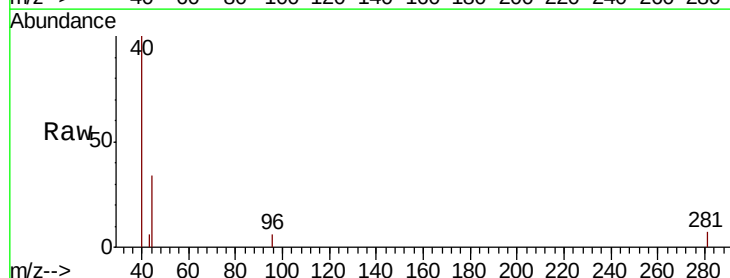
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

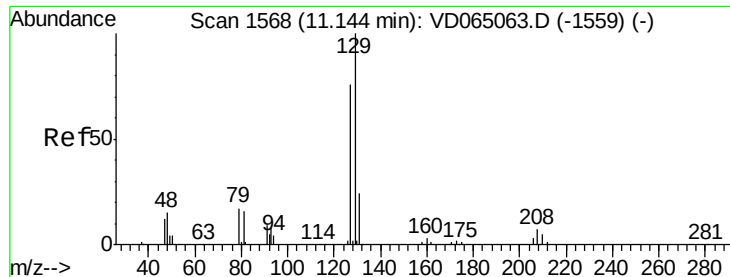
Tot Ion: 69 Resp: 56
Ion Ratio Lower Upper
69 100
41 1255.4 55.9 83.9#
39 100.0 29.4 44.0#



#59
2-Hexanone
Concen: 81.800 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.04 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#





#60

Dibromochloromethane

Concen: 14.878 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.27 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

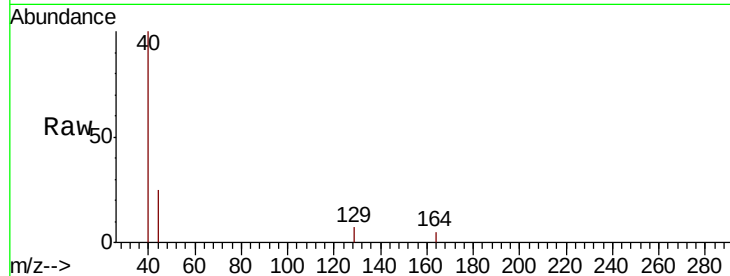
FK-SF-01-007-B

Tot Ion:129 Resp: 85

Ion Ratio Lower Upper

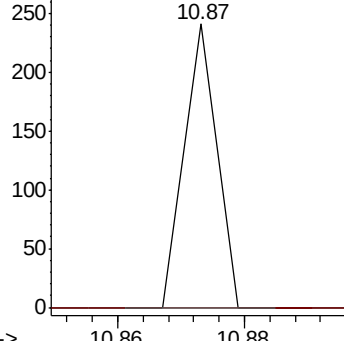
129 100

127 0.0 38.3 114.9#

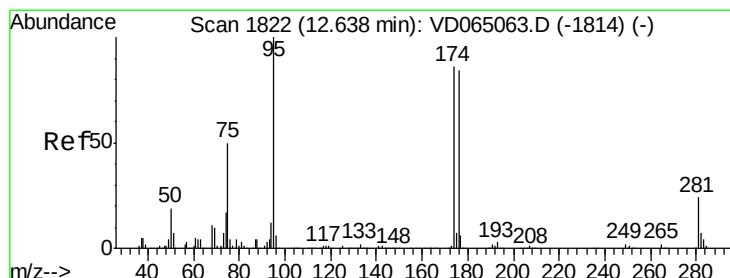
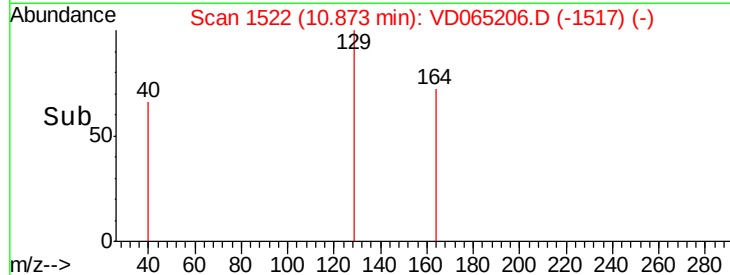


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 73.200 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

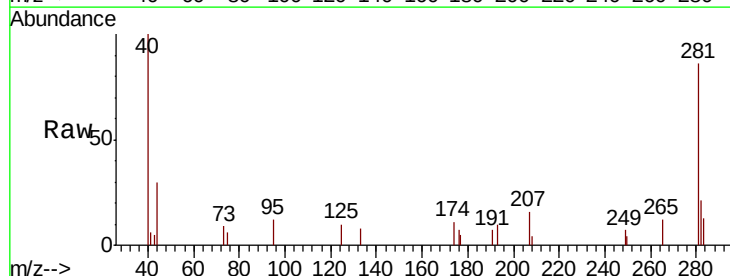
Tgt Ion: 95 Resp: 512

Ion Ratio Lower Upper

95 100

174 28.1 0.0 180.0

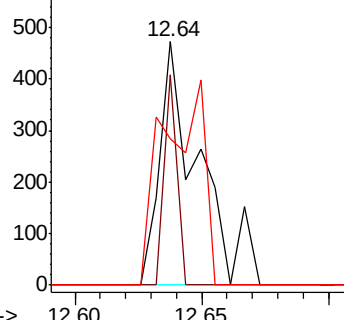
176 87.1 0.0 173.2



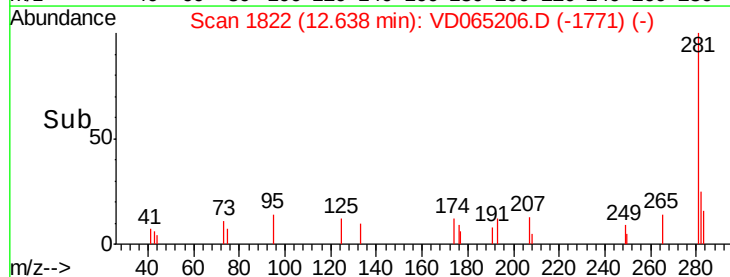
Abundance Ion 94.90 (94.60 to 95.60): V

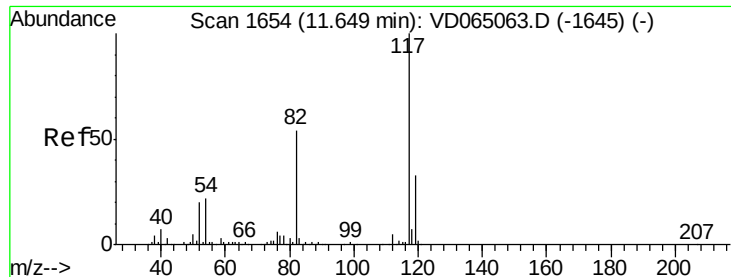
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

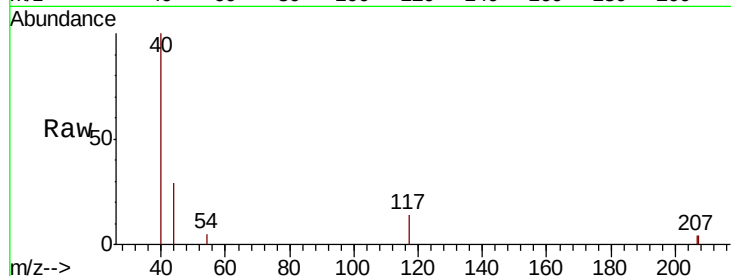




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	43.1	64.7#
119	0.0	26.0	39.0#

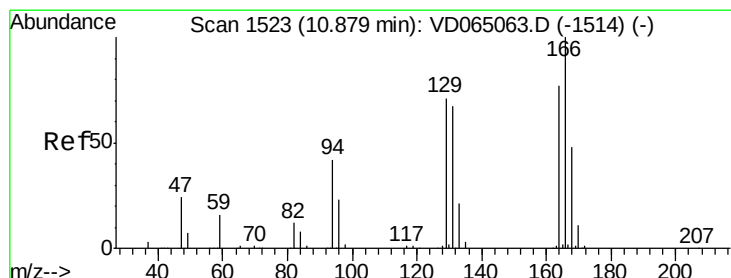
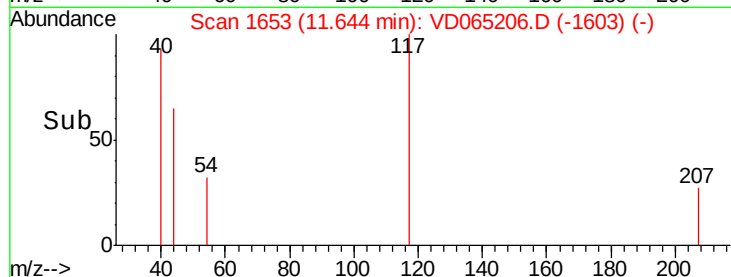
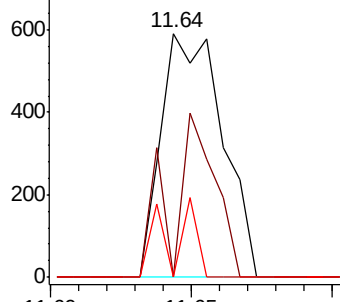


Abundance

Ion 116.90 (116.60 to 117.60): V

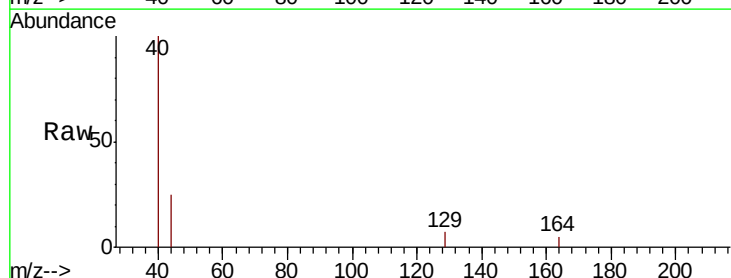
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 9.560 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	103.5	155.3#
129	138.5	73.3	109.9#
131	0.0	69.8	104.6#



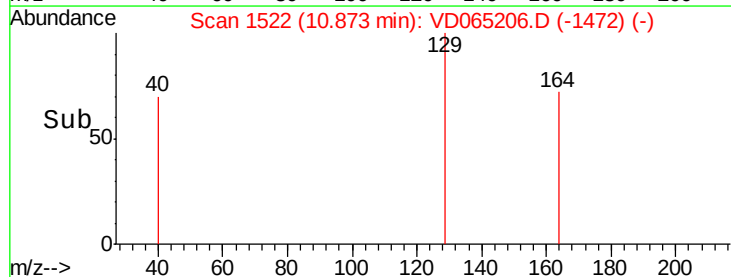
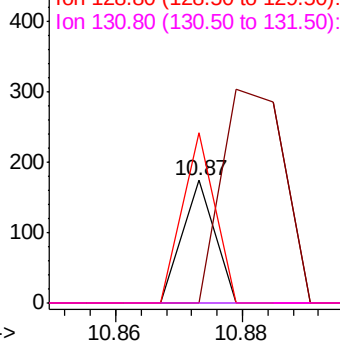
Abundance

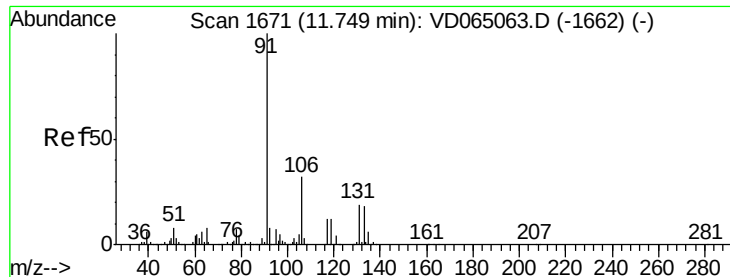
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

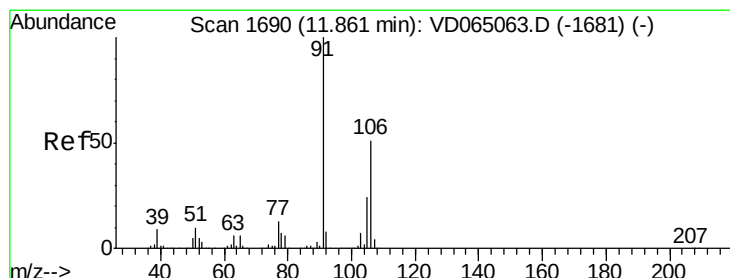
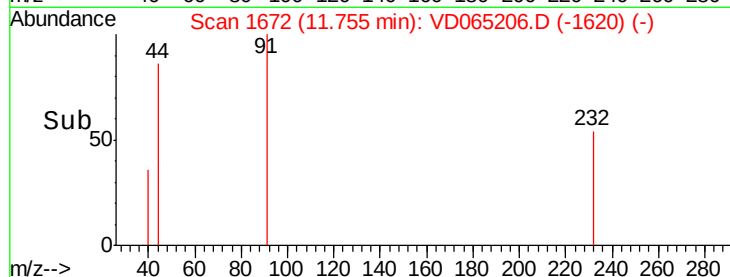
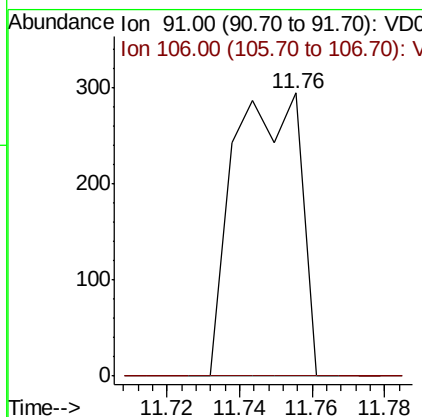
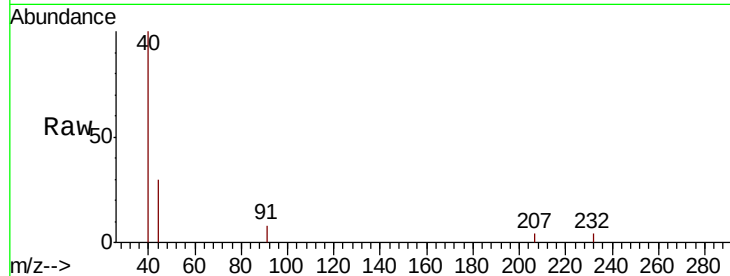




#67
Ethyl Benzene
Concen: 12.050 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

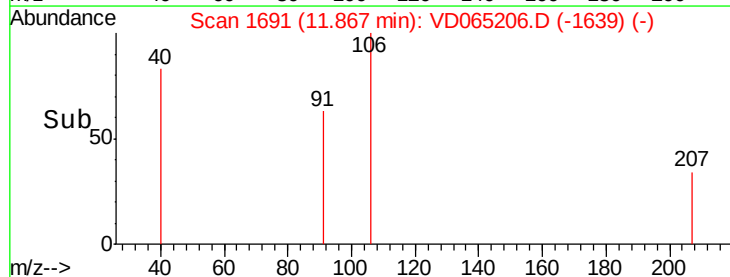
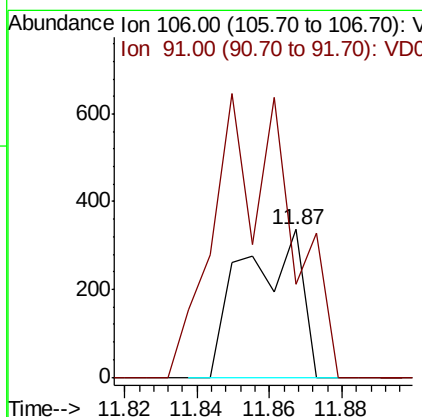
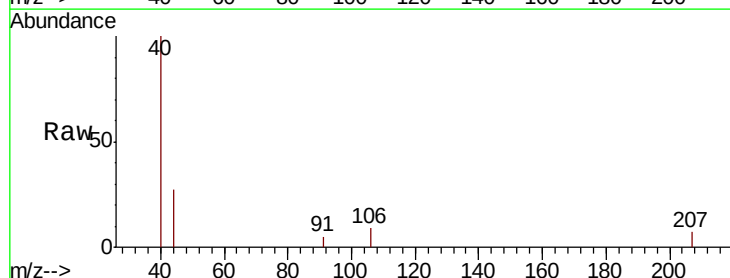
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

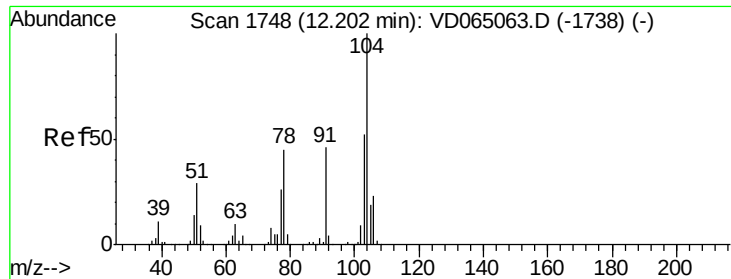
Tot Ion: 91 Resp: 376
Ion Ratio Lower Upper
91 100
106 0.0 25.4 38.2#



#68
m/p-Xylenes
Concen: 31.571 ug/l
RT: 11.87 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion: 106 Resp: 376
Ion Ratio Lower Upper
106 100
91 240.4 158.9 238.3#

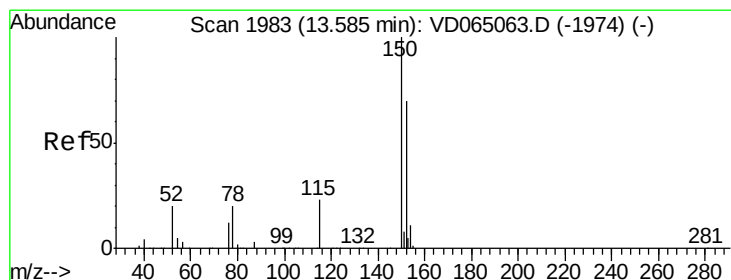
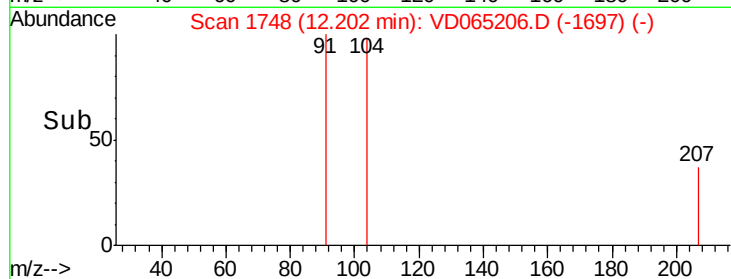
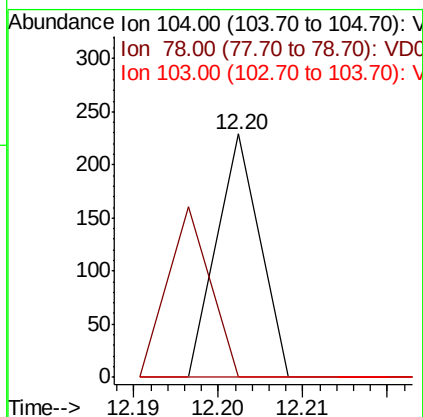
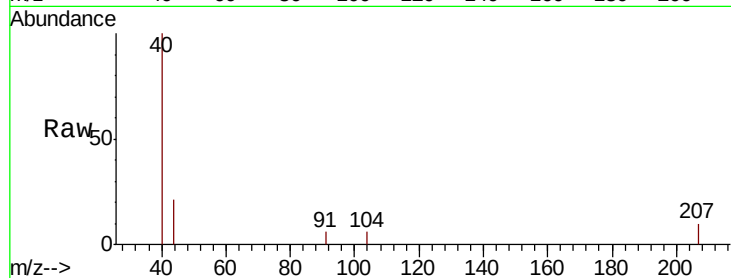




#70
Stvrene
Concen: 4.345 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

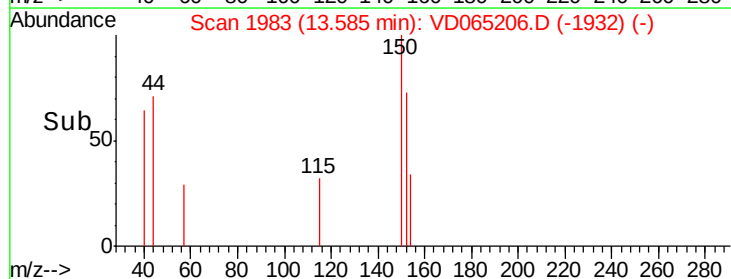
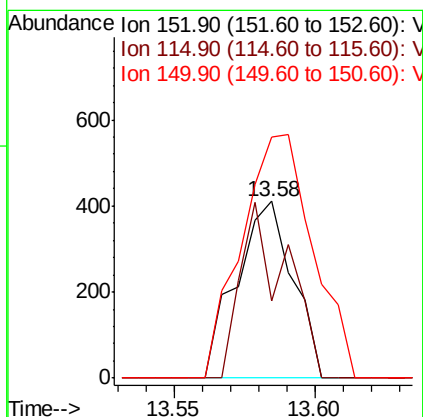
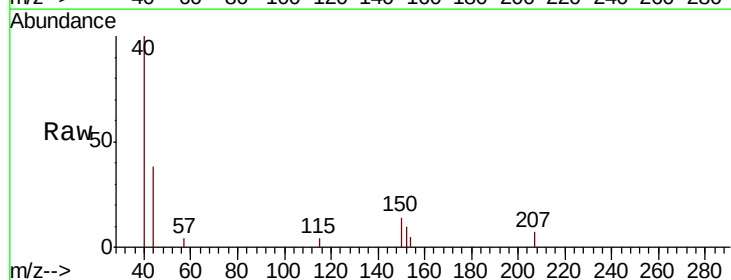
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

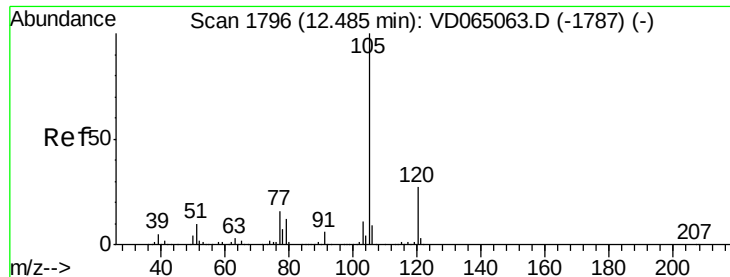
Tot Ion	Ratio	Lower	Upper
104	100		
78	70.4	38.5	57.7#
103	0.0	43.8	65.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.0	27.5	82.4
150	174.6	0.0	343.2





#73

Isopropylbenzene

Concen: 9.568 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

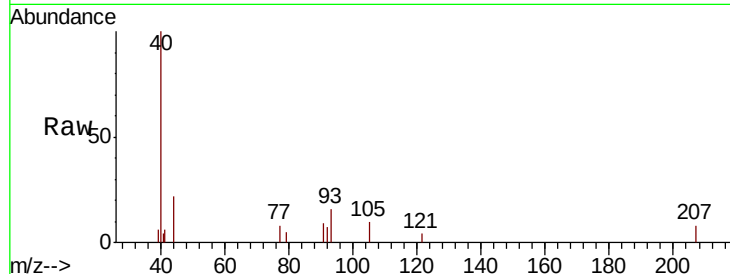
FK-SF-01-007-B

Tot Ion: 105 Resp: 373

Ion Ratio Lower Upper

105 100

120 0.0 13.3 39.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400

300

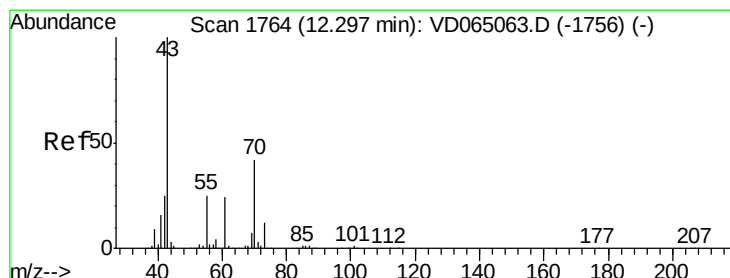
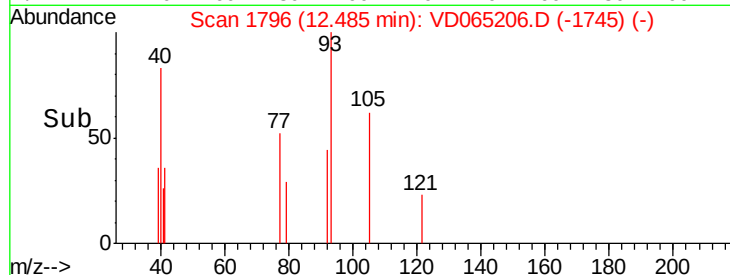
200

100

0

Time--> 12.45

12.50



#74

N-amyl acetate

Concen: 10.031 ug/l

RT: 12.40 min Scan# 1781

Delta R.T. 0.10 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Tgt Ion: 43 Resp: 85

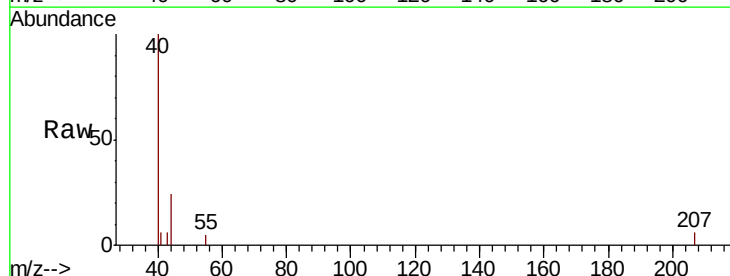
Ion Ratio Lower Upper

43 100

70 0.0 33.5 50.3#

55 196.5 19.4 29.2#

61 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

400

300

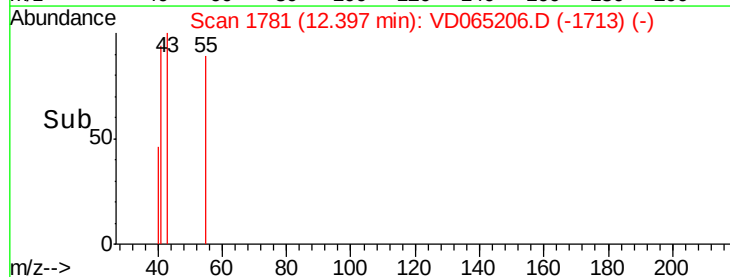
200

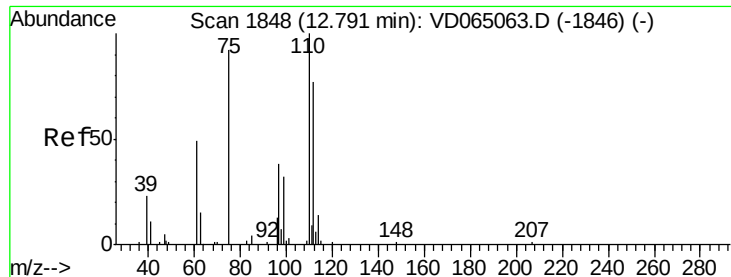
100

0

Time--> 12.38

12.40





#76

1,2,3-Trichloropropane

Concen: 49.298 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

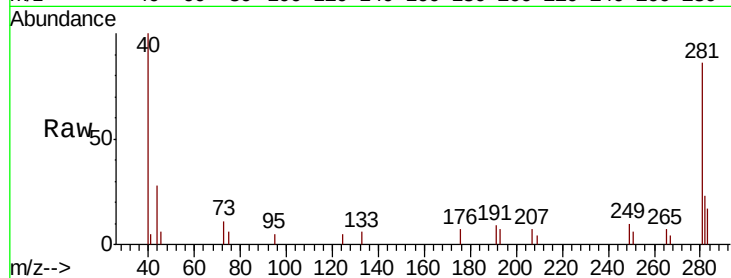
FK-SF-01-007-B

Tot Ion: 75 Resp: 212

Ion Ratio Lower Upper

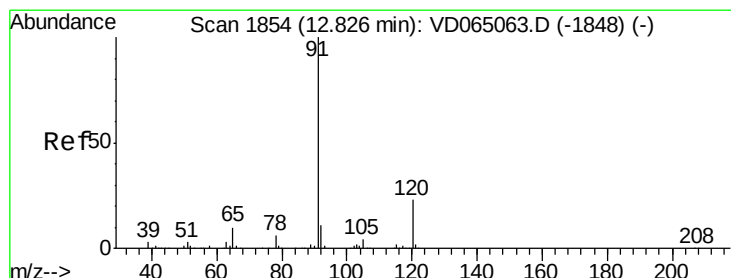
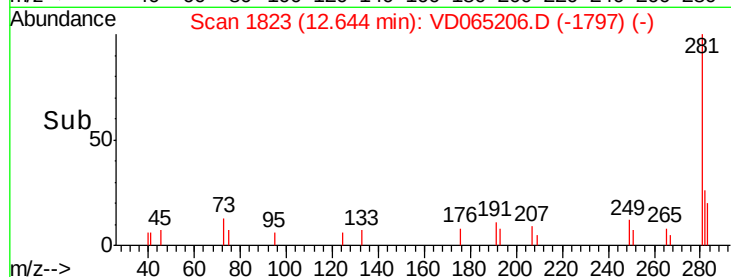
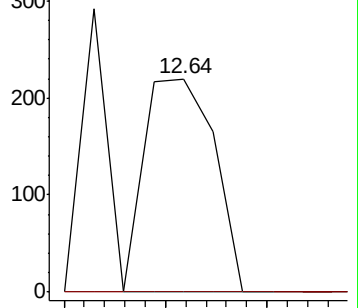
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#78

n-propylbenzene

Concen: 5.235 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065206.D

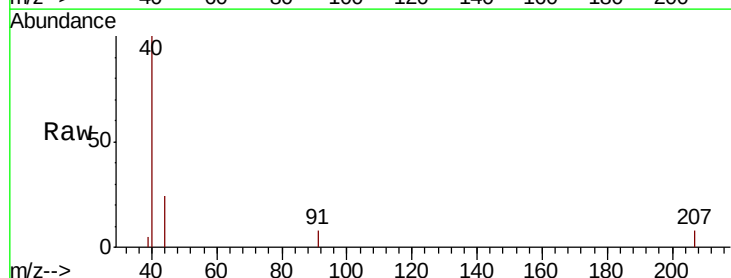
Acq: 17 Feb 2020 19:39

Tgt Ion: 91 Resp: 239

Ion Ratio Lower Upper

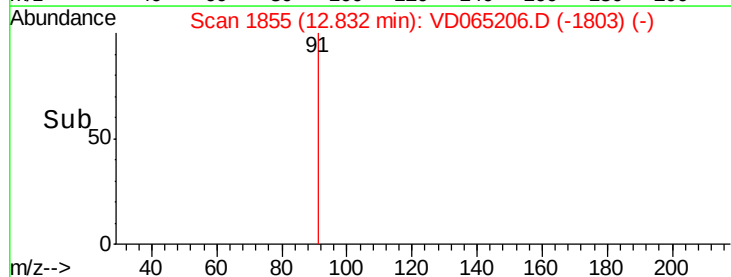
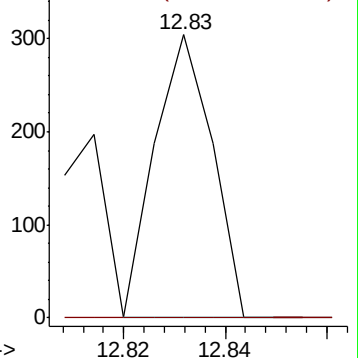
91 100

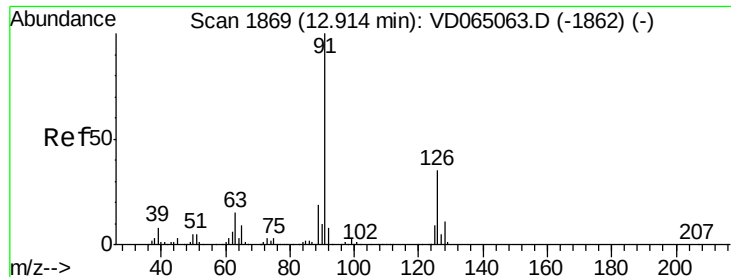
120 0.0 11.8 35.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.986 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

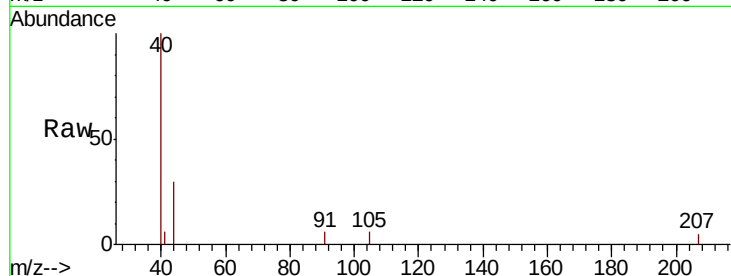
FK-SF-01-007-B

Tot Ion: 91 Resp: 76

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.91

200

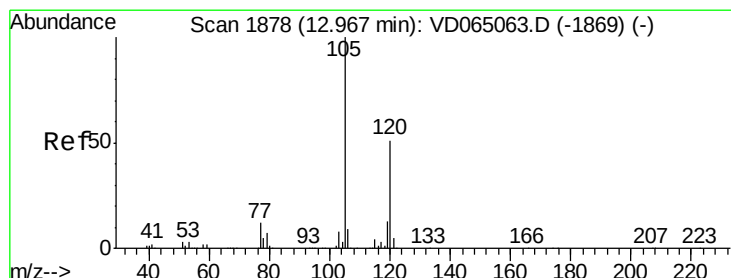
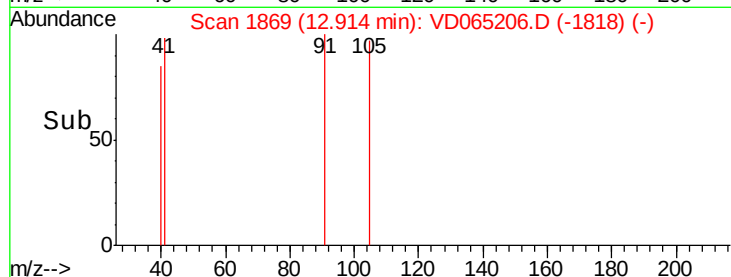
150

100

50

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 38.252 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD065206.D

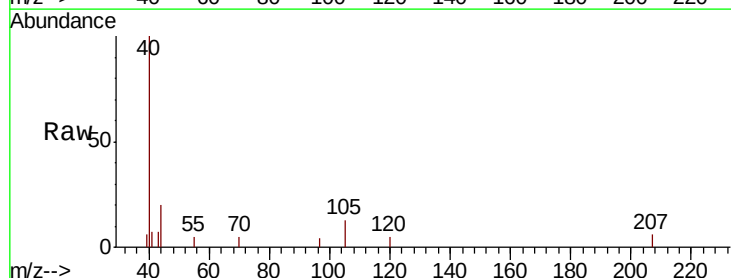
Acq: 17 Feb 2020 19:39

Tgt Ion: 105 Resp: 1220

Ion Ratio Lower Upper

105 100

120 39.4 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.96

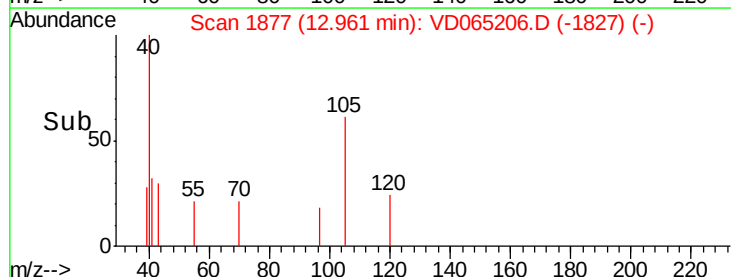
600

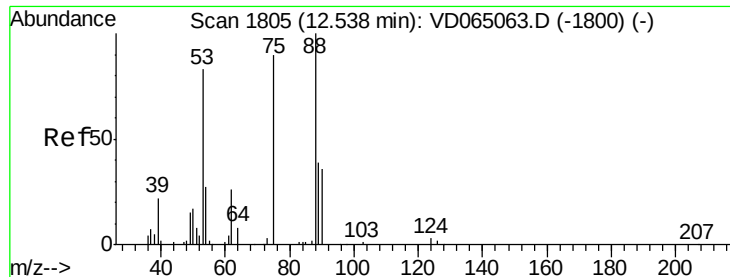
400

200

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 475.755 ug/l

RT: 12.46 min Scan# 1792

Delta R.T. -0.08 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-B

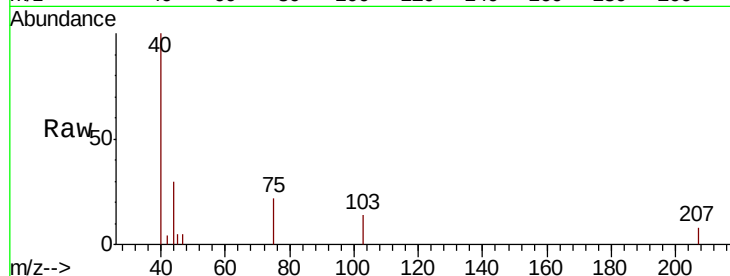
Tot Ion: 75 Resp: 1023

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

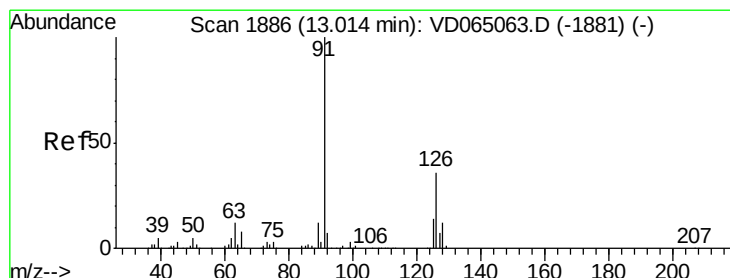
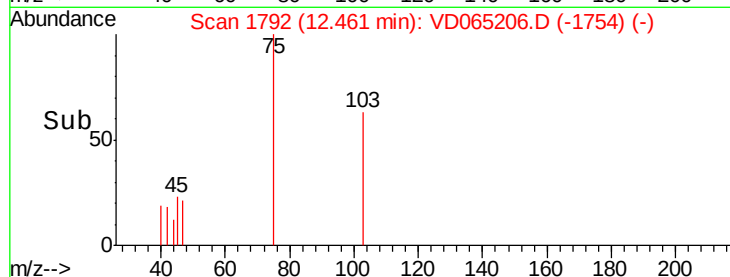
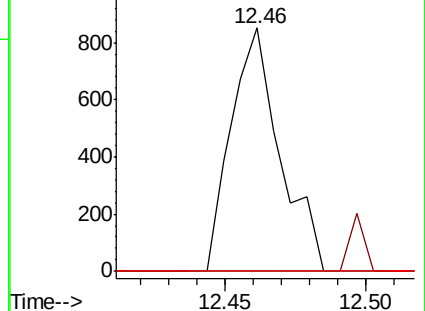
89 0.0 37.0 55.4#



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



#82

4-Chlorotoluene

Concen: 2.844 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.10 min

Lab File: VD065206.D

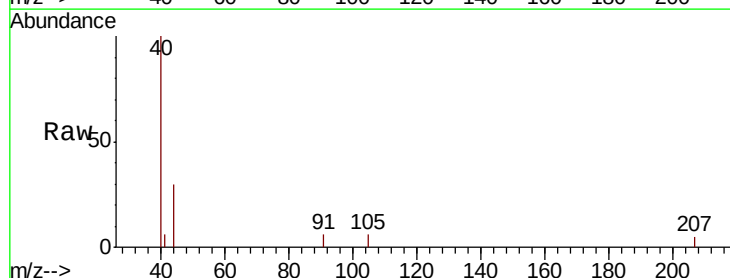
Acq: 17 Feb 2020 19:39

Tgt Ion: 91 Resp: 76

Ion Ratio Lower Upper

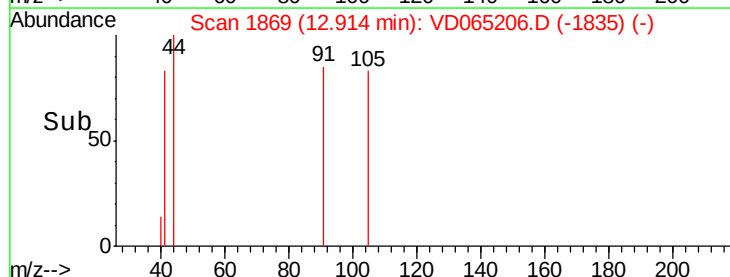
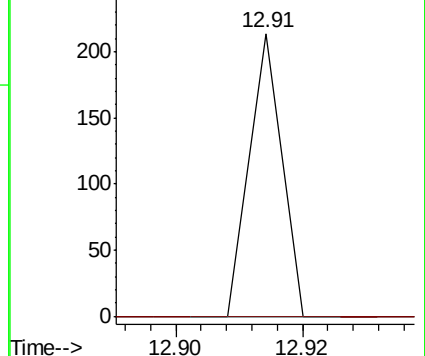
91 100

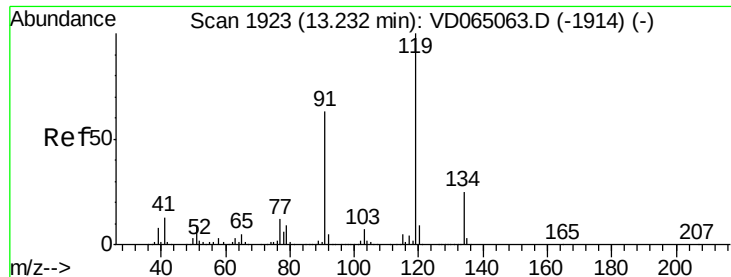
126 0.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

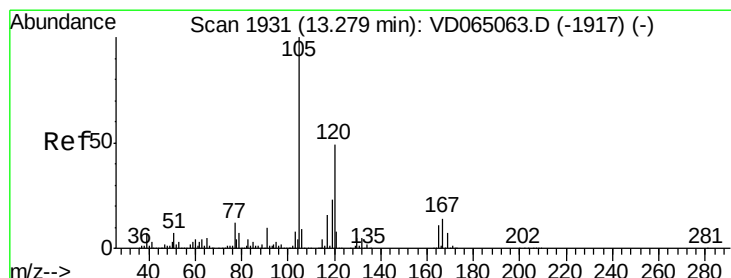
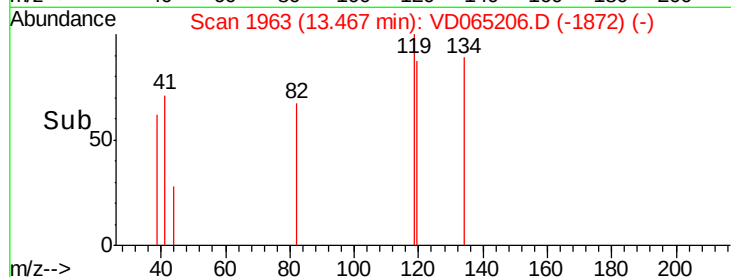
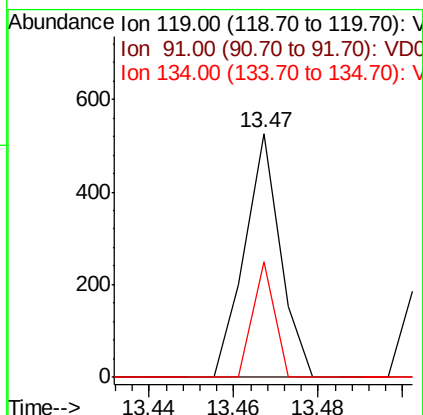
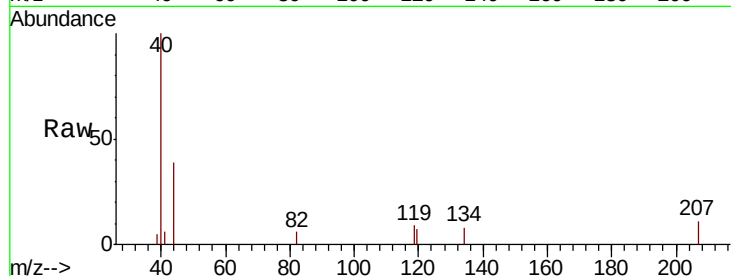




#83
 tert-Butylbenzene
 Concen: 11.266 ug/l
 RT: 13.47 min Scan# 1963
 Delta R.T. 0.24 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

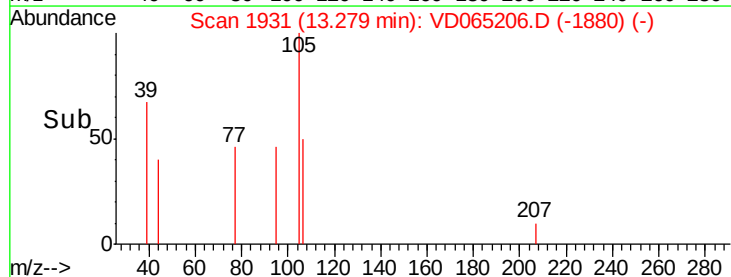
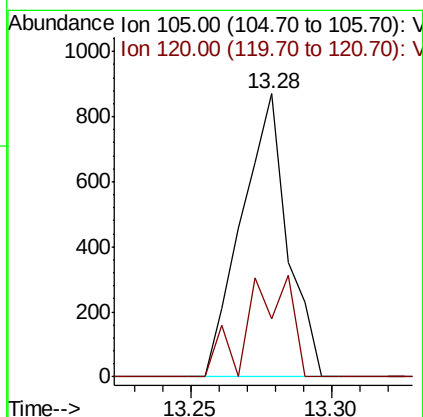
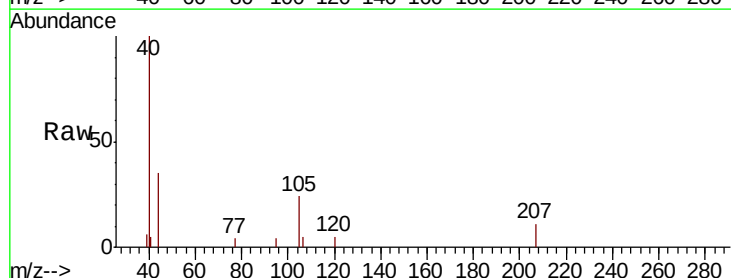
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-B

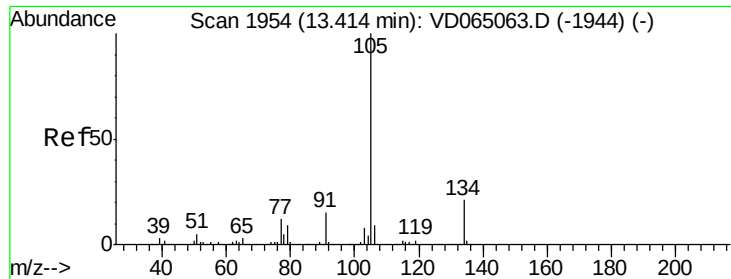
Tot Ion:119 Resp: 310
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.3 96.9#
 134 28.4 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 30.982 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

Tgt Ion:105 Resp: 981
 Ion Ratio Lower Upper
 105 100
 120 34.3 23.5 70.5





#85

sec-Butylbenzene

Concen: 2.235 ug/l

RT: 13.51 min Scan# 1970

Delta R.T. 0.09 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

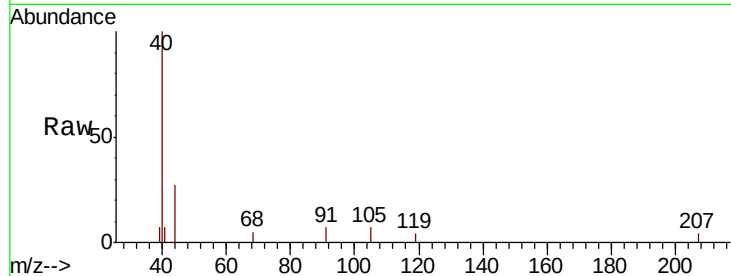
FK-SF-01-007-B

Tot Ion:105 Resp: 84

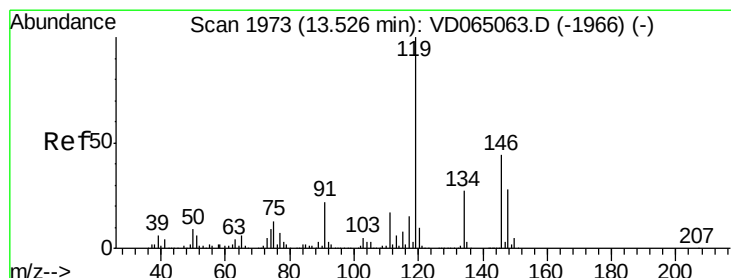
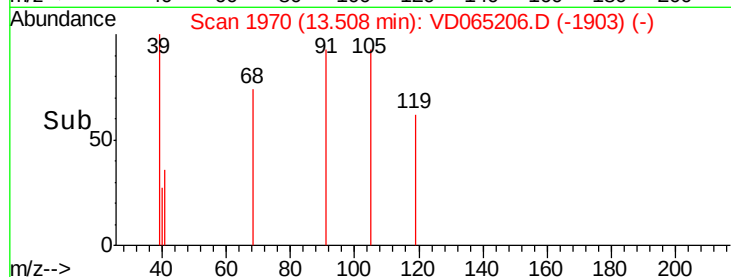
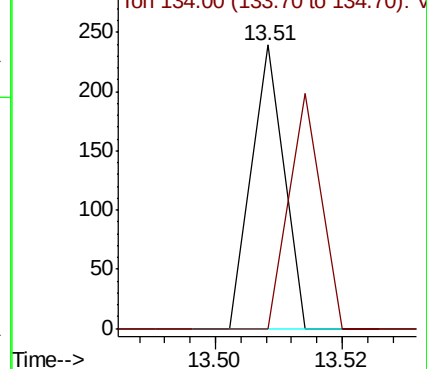
Ion Ratio Lower Upper

105 100

134 83.3 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 26.033 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

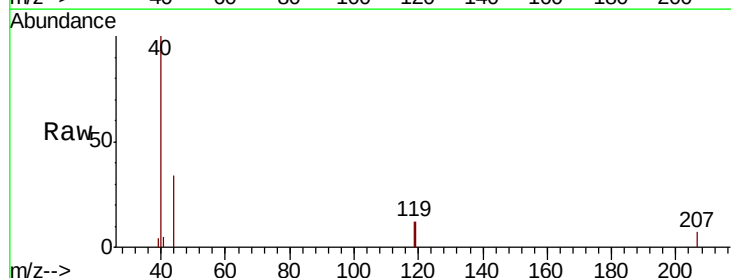
Tgt Ion:119 Resp: 909

Ion Ratio Lower Upper

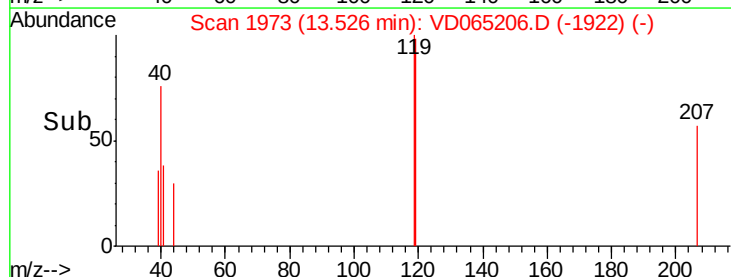
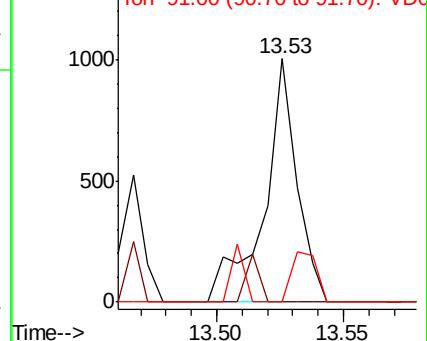
119 100

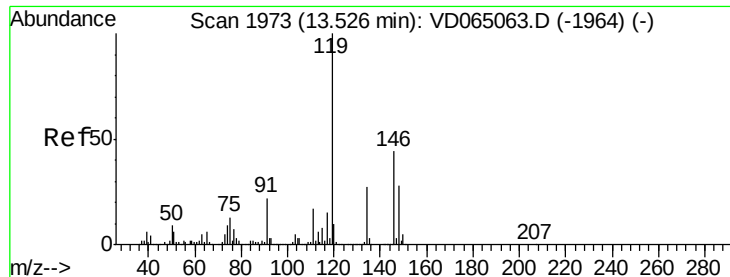
134 0.0 13.5 40.5#

91 15.5 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

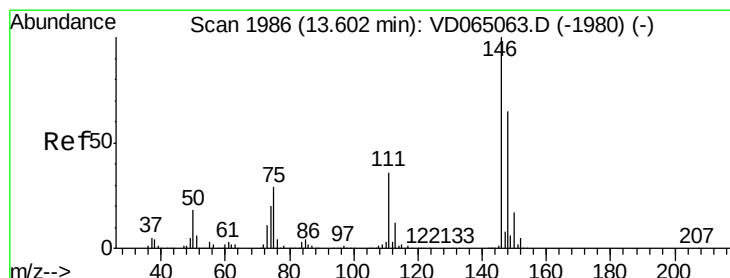
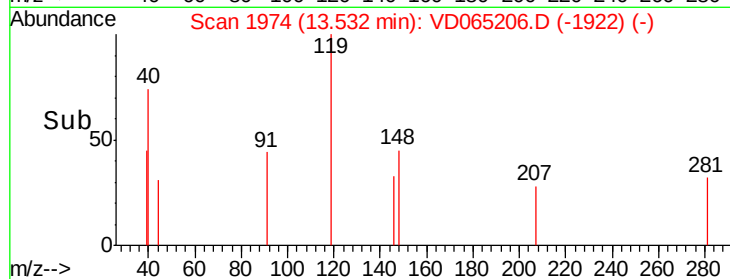
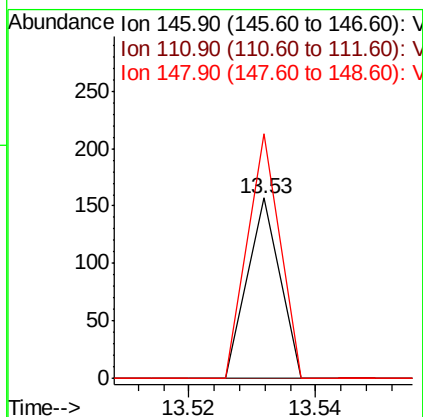
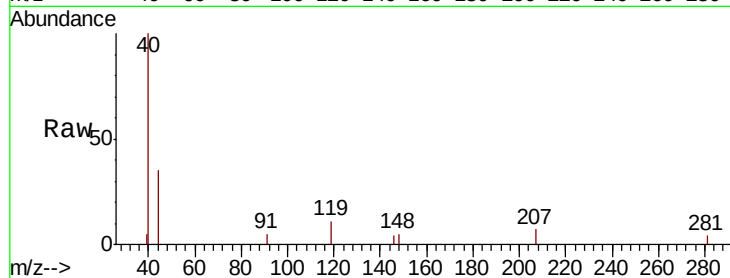




#87
 1,3-Dichlorobenzene
 Concen: 3.127 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

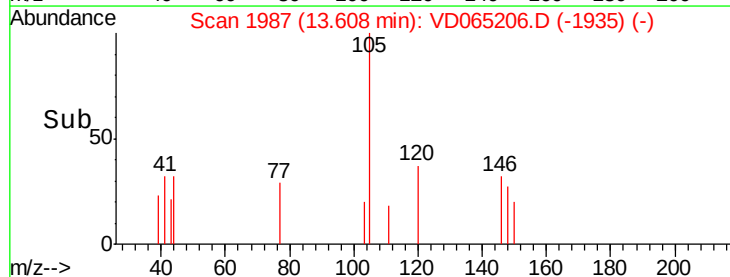
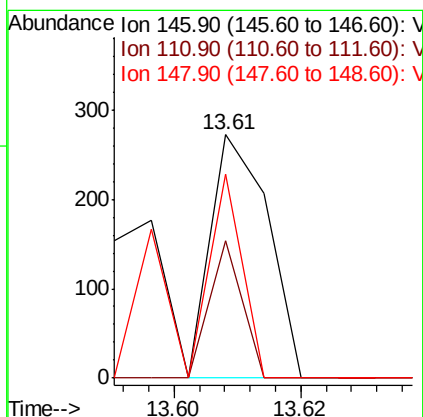
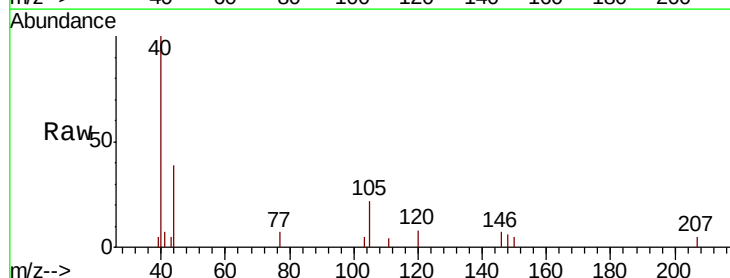
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-B

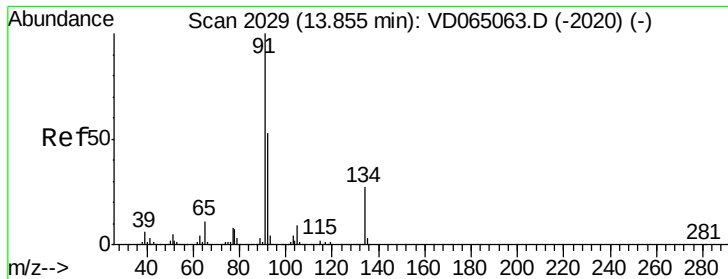
Tot Ion:146 Resp: 55
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.4#
 148 136.4 32.3 96.8#



#88
 1,4-Dichlorobenzene
 Concen: 9.655 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065206.D
 Acq: 17 Feb 2020 19:39

Tgt Ion:146 Resp: 169
 Ion Ratio Lower Upper
 146 100
 111 32.0 18.5 55.5
 148 0.0 32.7 98.1#

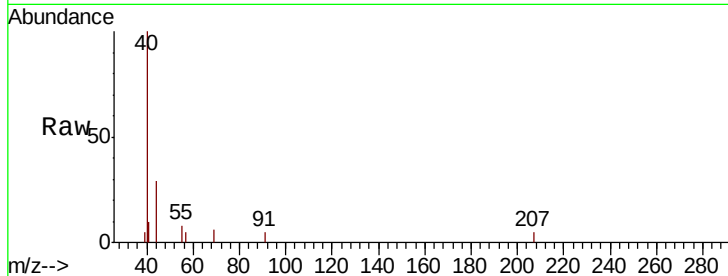




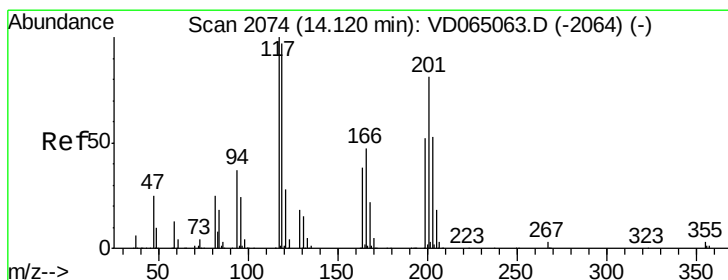
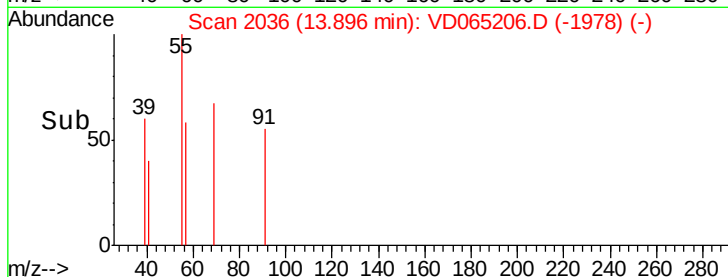
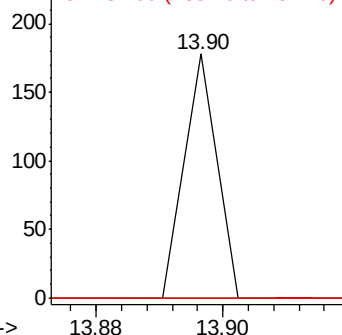
#89
n-Butylbenzene
Concen: 1.955 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.04 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-B

Tot Ion: 91 Resp: 63
Ion Ratio Lower Upper
91 100
92 0.0 26.7 80.1#
134 0.0 13.4 40.2#

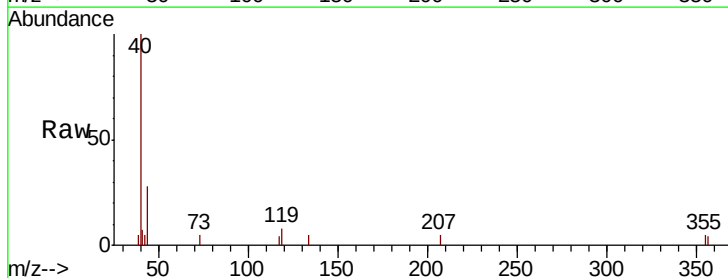


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

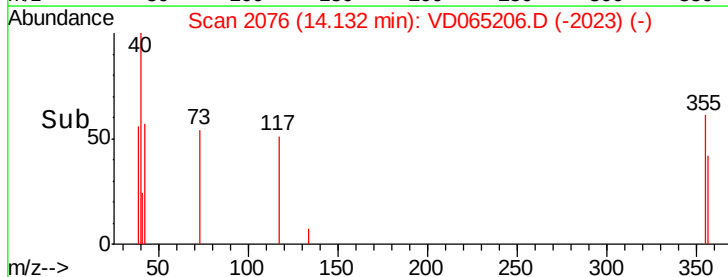
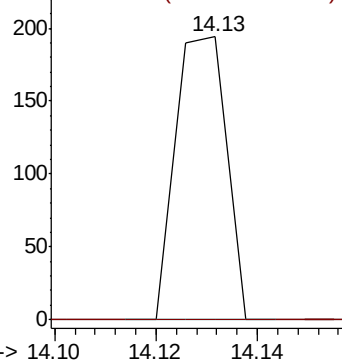


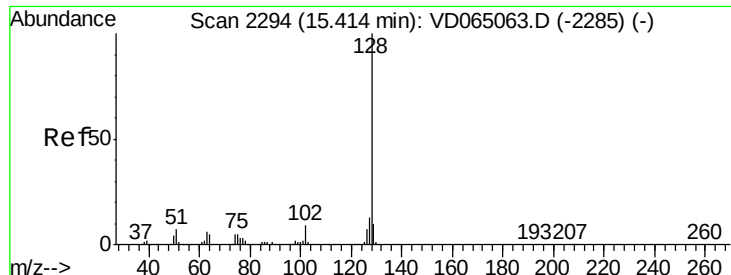
#90
Hexachloroethane
Concen: 20.569 ug/l
RT: 14.13 min Scan# 2076
Delta R.T. 0.01 min
Lab File: VD065206.D
Acq: 17 Feb 2020 19:39

Tgt Ion: 117 Resp: 136
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 189.219 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065206.D

Acq: 17 Feb 2020 19:39

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-B

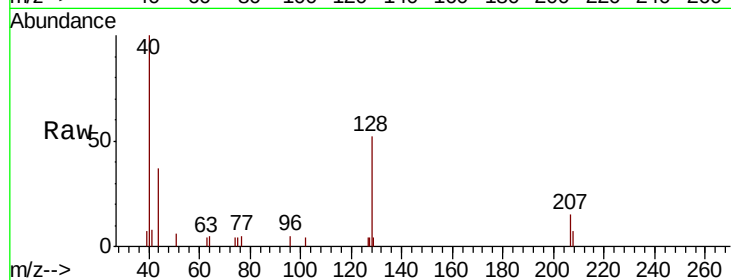
Tot Ion:128 Resp: 3386

Ion Ratio Lower Upper

128 100

127 15.0 10.6 15.8

129 12.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

