

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065205.D
 Acq On : 17 Feb 2020 19:11
 Operator : VA/SY
 Sample : L1551-02
 Misc : 6.70G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 18 03:17:50 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	7.98	168	1189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	958	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	226	22.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.72%	
35) Dibromofluoromethane	7.92	113	205	22.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.58%	
50) Toluene-d8	10.34	98	1941	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.64	95	630	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	121	12.229	ug/l #	43
3) Chloromethane	2.21	50	251	21.550	ug/l #	40
5) Bromomethane	2.90	94	62	7.763	ug/l #	3
6) Chloroethane	2.81	64	64	8.376	ug/l #	44
8) Diethyl Ether	3.69	74	74	14.380	ug/l #	1
11) Tert butyl alcohol	5.25	59	1538	2490.960	ug/l #	71
12) 1,1-Dichloroethene	4.02	96	60	5.717	ug/l #	1
13) Acrolein	3.68	56	60	79.007	ug/l #	13
14) Allyl chloride	4.73	41	205	11.752	ug/l #	22
16) Acetone	4.17	43	11503	4552.854	ug/l	97
18) Methyl Acetate	4.83	43	73	13.829	ug/l #	52
19) Methyl tert-butyl Ether	5.51	73	56	2.413	ug/l #	55
20) Methylene Chloride	4.96	84	2106	201.225	ug/l #	84
21) trans-1,2-Dichloroethene	5.54	96	58	4.884	ug/l #	1
25) 2-Butanone	7.23	43	86	28.535	ug/l #	50
29) Tetrahydrofuran	7.57	42	185	101.506	ug/l #	34
30) Chloroform	7.72	83	269	13.565	ug/l #	45
31) Cyclohexane	7.99	56	182	9.053	ug/l #	67
37) Ethyl Acetate	7.28	43	75	12.248	ug/l #	69
40) Benzene	8.35	78	777	18.772	ug/l #	51
41) Methacrylonitrile	7.58	41	442	131.016	ug/l #	26
43) Isopropyl Acetate	8.36	43	72	6.146	ug/l #	52
48) Methyl methacrylate	9.43	41	57	10.112	ug/l #	13
51) 4-Methyl-2-Pentanone	10.11	43	470	81.515	ug/l #	37
52) Toluene	10.41	92	1048	39.670	ug/l	98
55) 1,1,2-Trichloroethane	10.73	97	84	11.743	ug/l #	17
59) 2-Hexanone	10.99	43	214	52.399	ug/l #	26
60) Dibromochloromethane	10.90	129	55	5.936	ug/l #	11
64) Tetrachloroethene	10.88	164	122	13.572	ug/l #	63
67) Ethyl Benzene	11.75	91	594	13.512	ug/l #	43
68) m/p-Xylenes	11.86	106	478	28.489	ug/l	83
69) o-Xylene	12.18	106	116	7.677	ug/l #	1
70) Styrene	12.18	104	241	9.177	ug/l #	44
73) Isopropylbenzene	12.48	105	124	1.886	ug/l #	48

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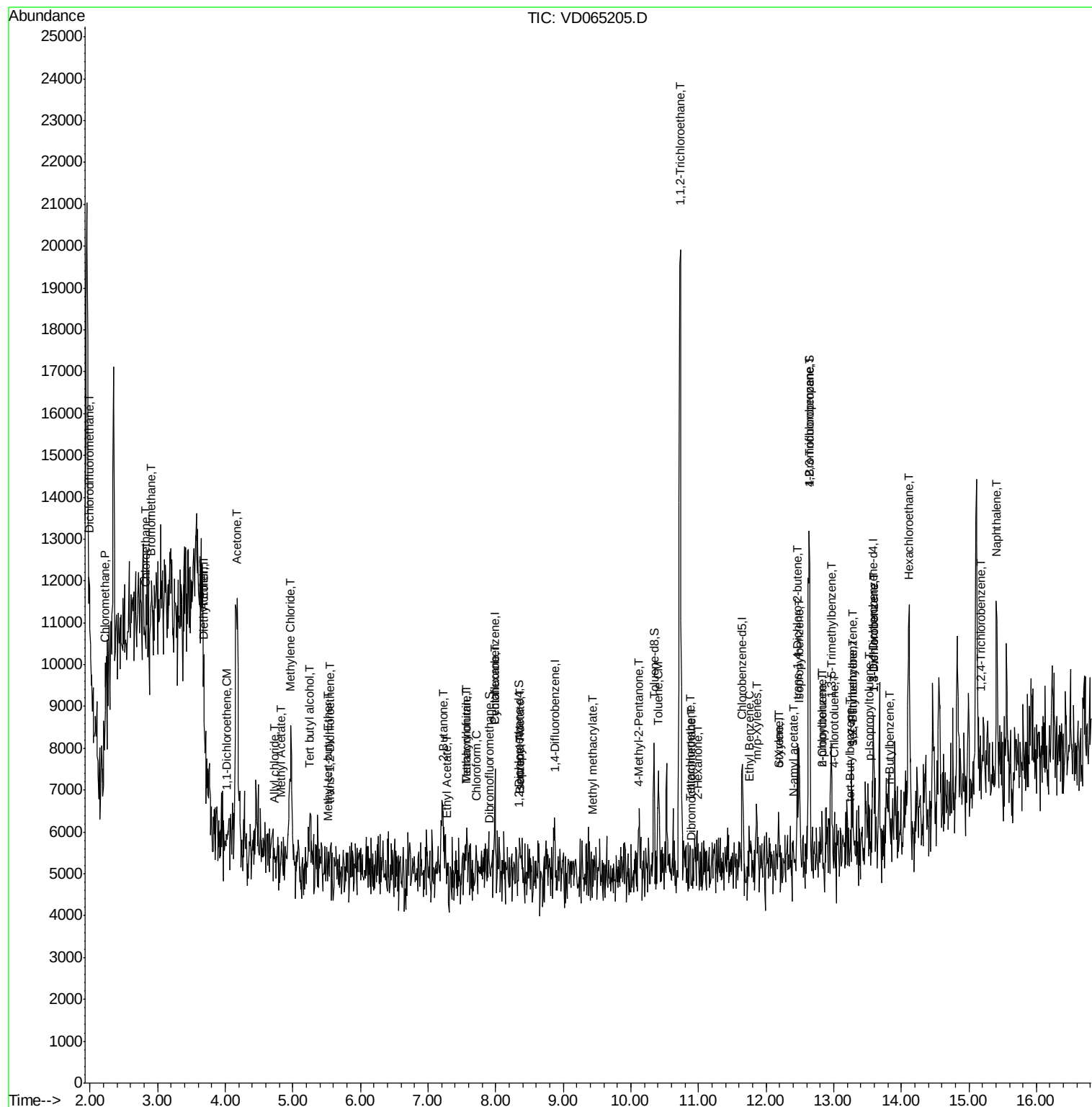
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	12.41	43	69	4.828	ug/l #	5
76) 1,2,3-Trichloropropane	12.64	75	266	36.674	ug/l #	100
78) n-propylbenzene	12.83	91	508	6.597	ug/l #	52
79) 2-Chlorotoluene	12.83	91	508	11.835	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.97	105	1193	22.178	ug/l	78
81) trans-1,4-Dichloro-2-buten	12.47	75	1125	310.201	ug/l #	15
82) 4-Chlorotoluene	13.01	91	71	1.575	ug/l #	40
83) tert-Butylbenzene	13.24	119	59	1.271	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.28	105	1063	19.905	ug/l #	63
85) sec-Butylbenzene	13.28	105	1063	16.770	ug/l #	56
86) p-Isopropyltoluene	13.53	119	730	12.395	ug/l #	68
87) 1,3-Dichlorobenzene	13.60	146	229	7.720	ug/l	84
88) 1,4-Dichlorobenzene	13.60	146	229	7.757	ug/l	85
89) n-Butylbenzene	13.84	91	83	1.527	ug/l #	1
90) Hexachloroethane	14.13	117	139	12.464	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.17	180	117	6.443	ug/l #	62
95) Naphthalene	15.41	128	3341	110.698	ug/l #	83

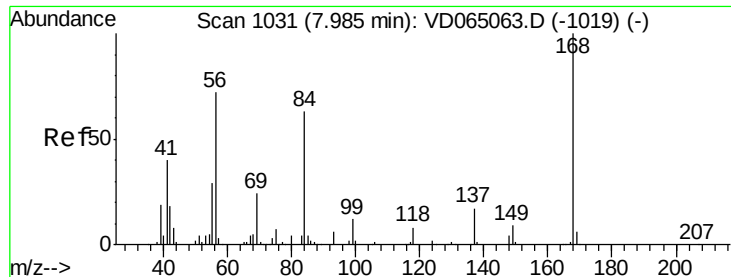
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

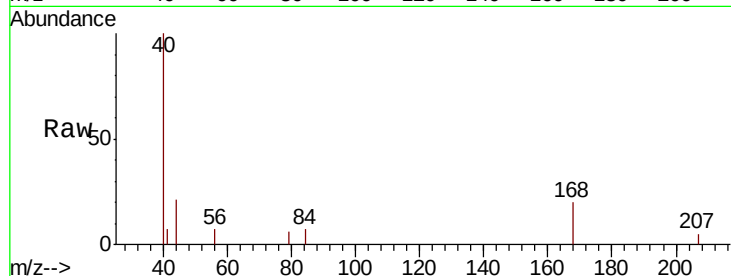
FK-SF-01-007-A

Tot Ion:168 Resp: 1189

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

7.98

800

600

400

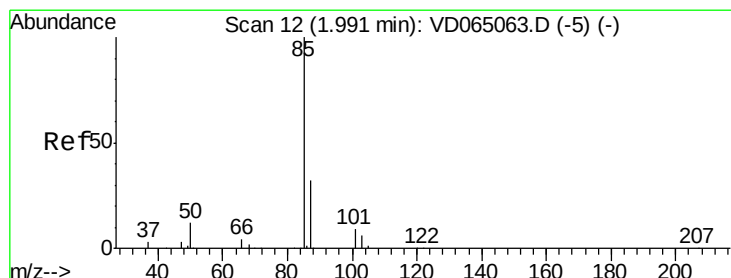
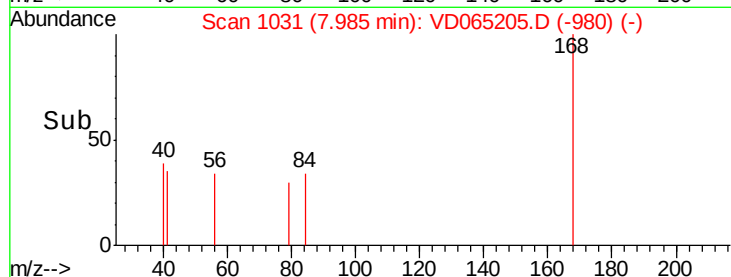
200

0

7.95

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 12.229 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065205.D

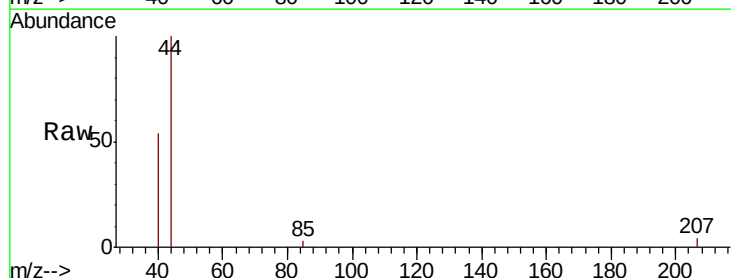
Acq: 17 Feb 2020 19:11

Tgt Ion: 85 Resp: 121

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.3#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200

150

100

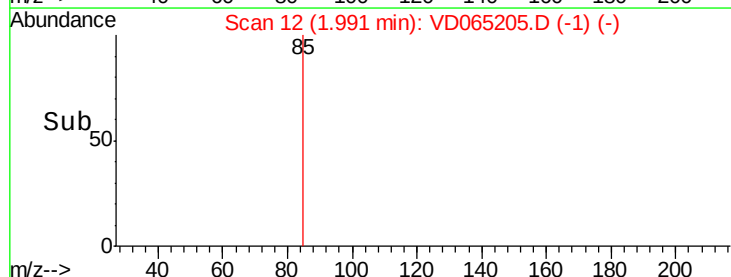
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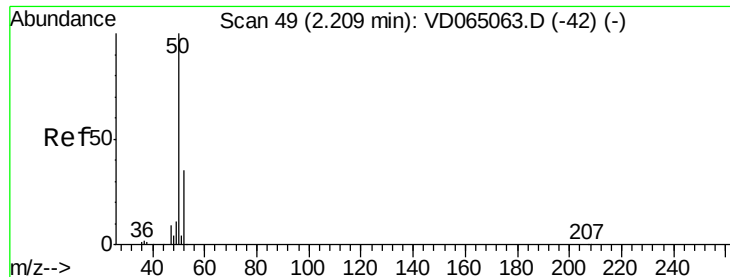
0

1.98

2.00

Time-->





#3

Chloromethane

Concen: 21.550 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

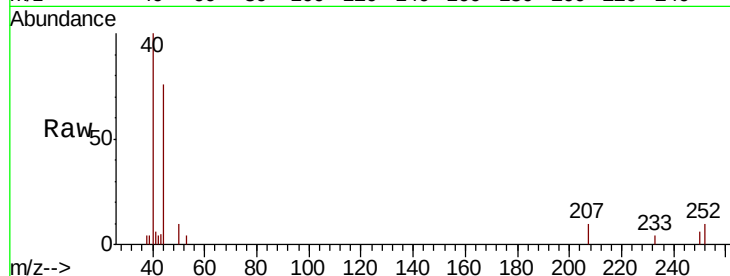
FK-SF-01-007-A

Tot Ion: 50 Resp: 251

Ion Ratio Lower Upper

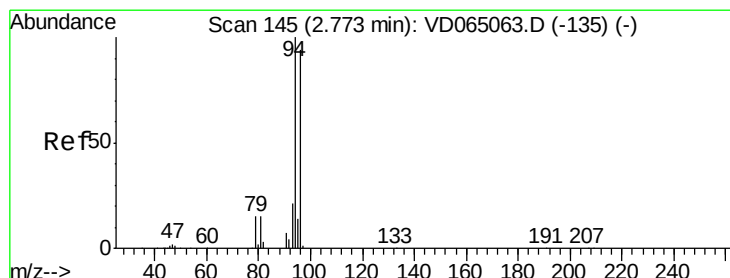
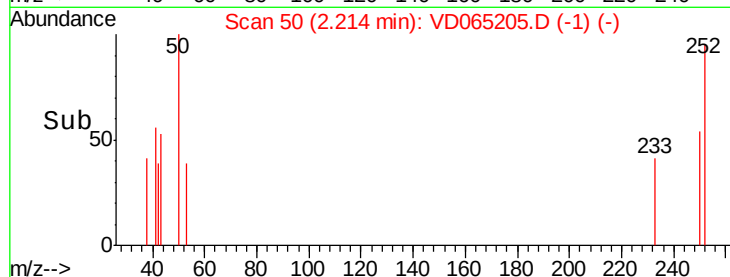
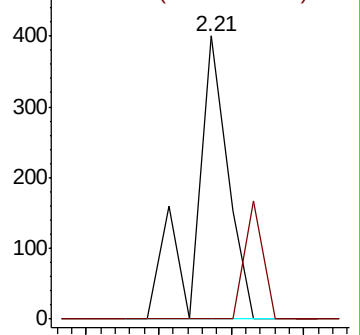
50 100

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: 7.763 ug/l

RT: 2.90 min Scan# 166

Delta R.T. 0.12 min

Lab File: VD065205.D

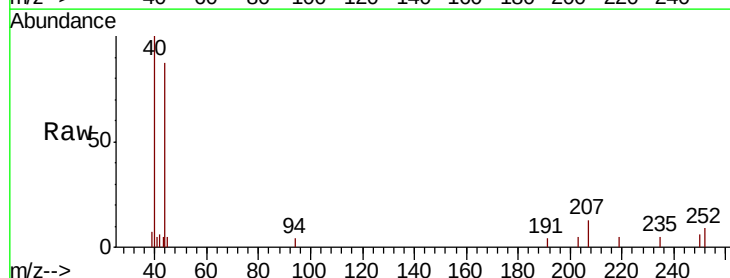
Acq: 17 Feb 2020 19:11

Tgt Ion: 94 Resp: 62

Ion Ratio Lower Upper

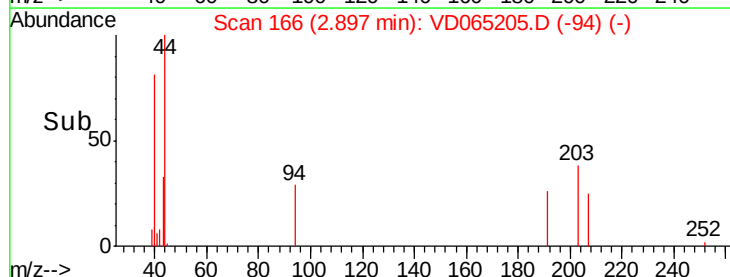
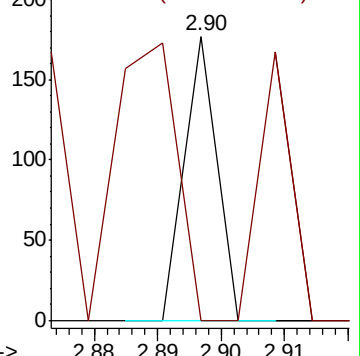
94 100

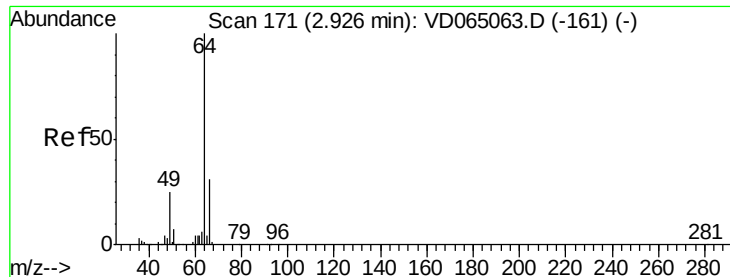
96 0.0 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 8.376 ug/l

RT: 2.81 min Scan# 152

Delta R.T. -0.11 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

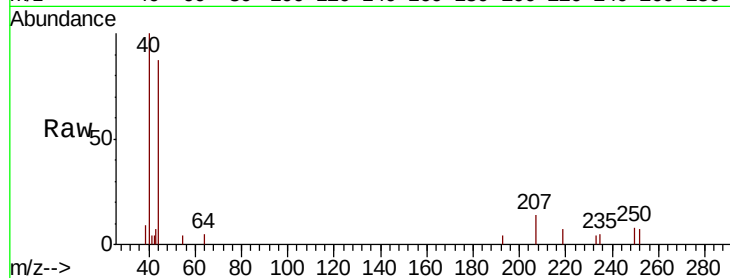
FK-SF-01-007-A

Tot Ion: 64 Resp: 64

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

2.81

150

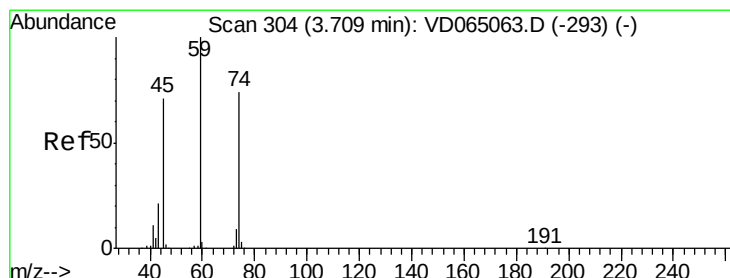
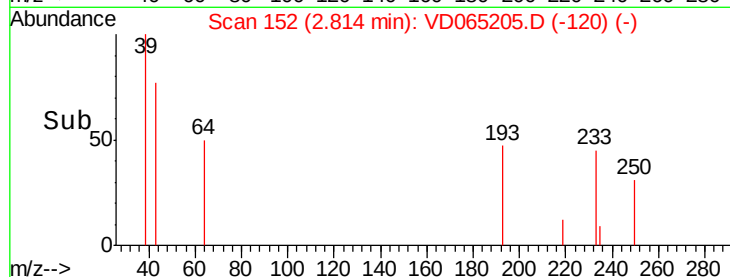
100

50

0

2.80 2.81 2.82 2.83

Time-->



#8

Diethyl Ether

Concen: 14.380 ug/l

RT: 3.69 min Scan# 301

Delta R.T. -0.02 min

Lab File: VD065205.D

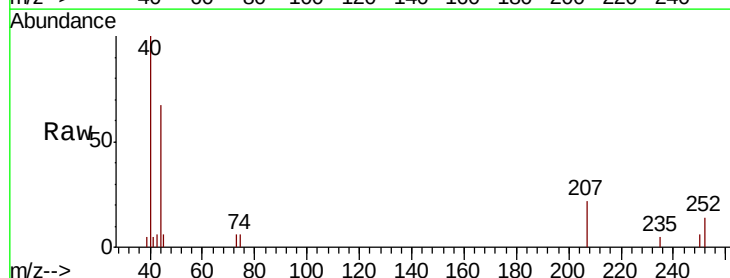
Acq: 17 Feb 2020 19:11

Tgt Ion: 74 Resp: 74

Ion Ratio Lower Upper

74 100

45 433.8 49.0 147.0#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

300

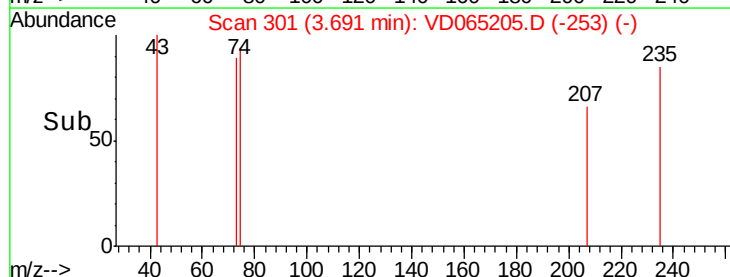
200

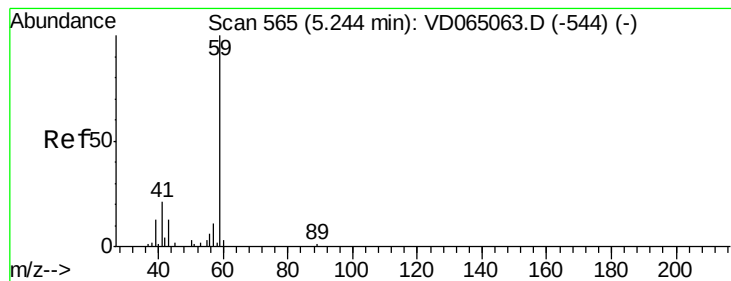
100

0

3.67 3.68 3.69 3.70 3.71

Time-->



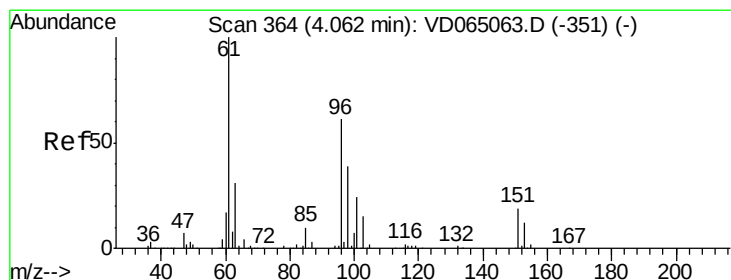
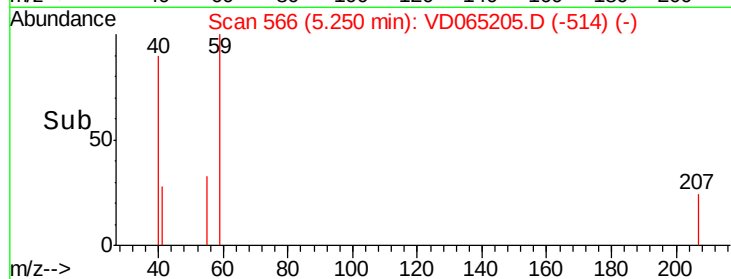
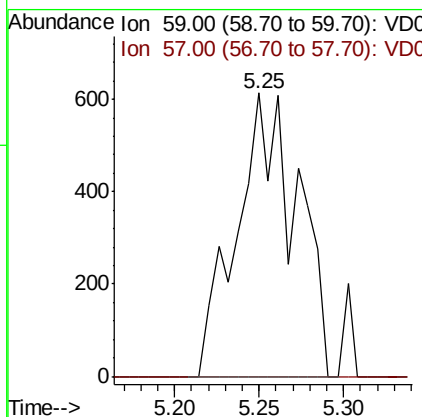
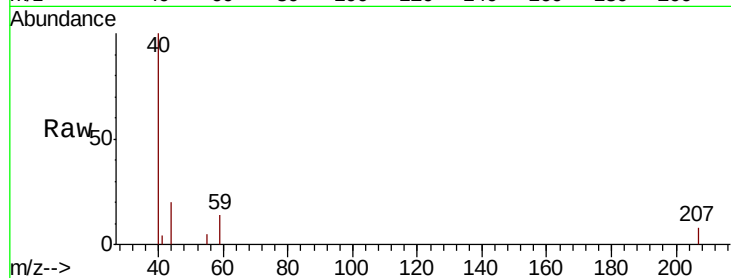


#11

Tert butyl alcohol
 Concen: 2490.960 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

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

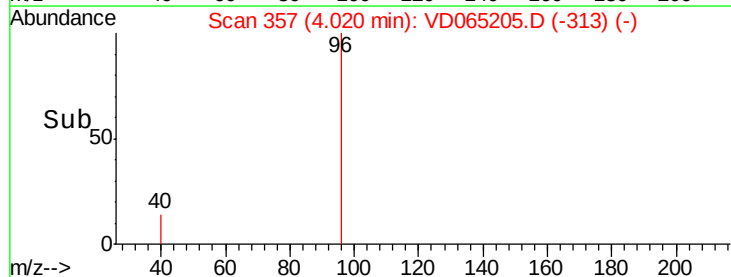
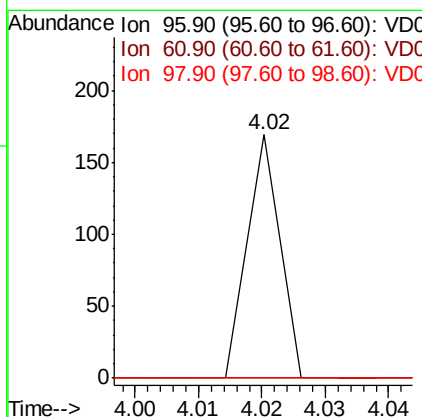
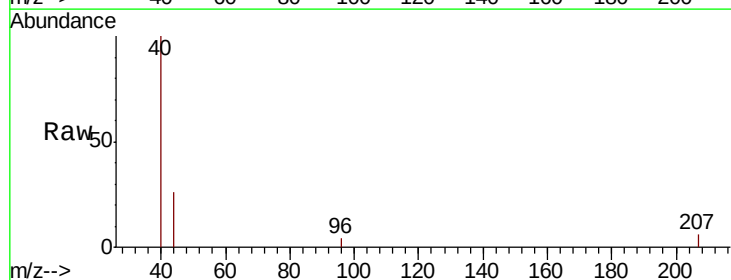
Tot Ion: 59 Resp: 1538
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

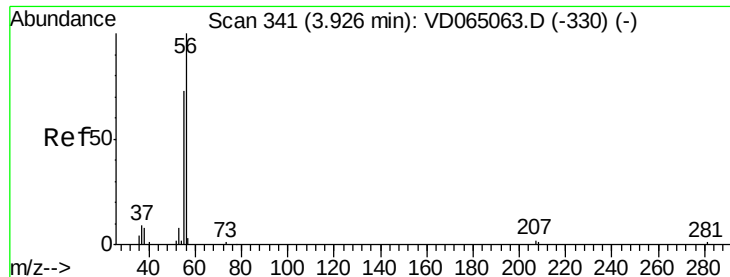


#12

1,1-Dichloroethene
 Concen: 5.717 ug/l
 RT: 4.02 min Scan# 357
 Delta R.T. -0.04 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

Tgt Ion: 96 Resp: 60
 Ion Ratio Lower Upper
 96 100
 61 0.0 131.4 197.2#
 98 0.0 51.1 76.7#





#13

Acrolein

Concen: 79.007 ug/l

RT: 3.68 min Scan# 300

Delta R.T. -0.24 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

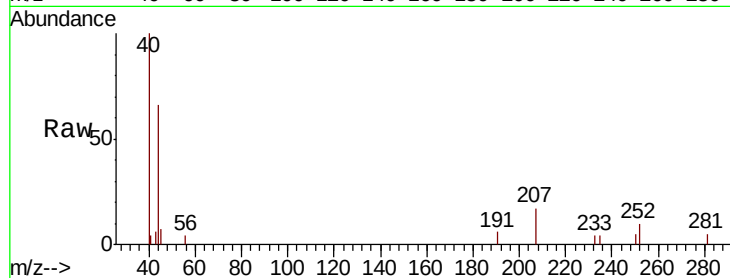
FK-SF-01-007-A

Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

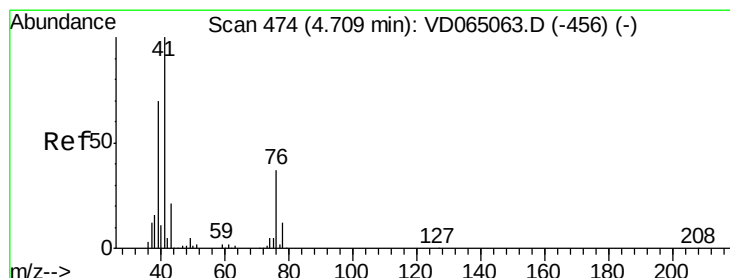
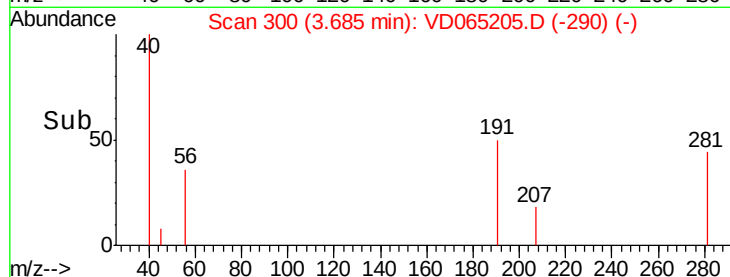
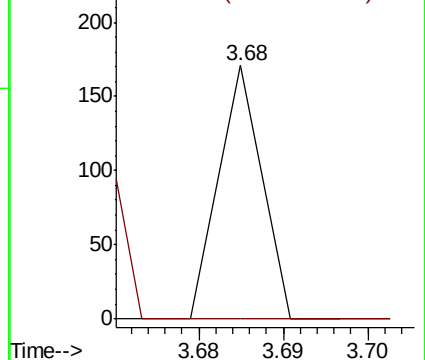
56 100

55 0.0 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: 11.752 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.02 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

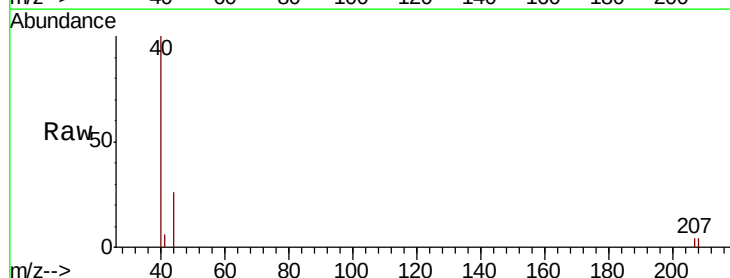
Tgt Ion: 41 Resp: 205

Ion Ratio Lower Upper

41 100

39 0.0 57.1 85.7#

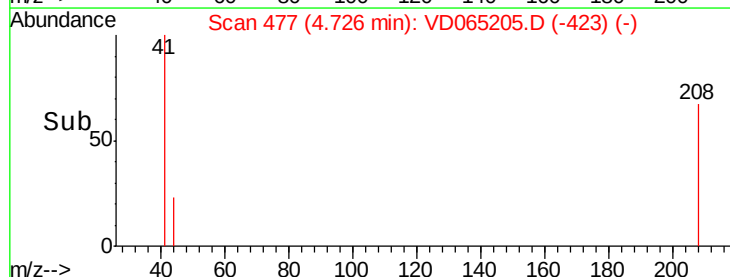
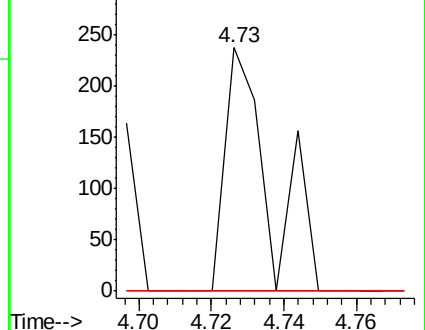
76 0.0 28.0 42.0#

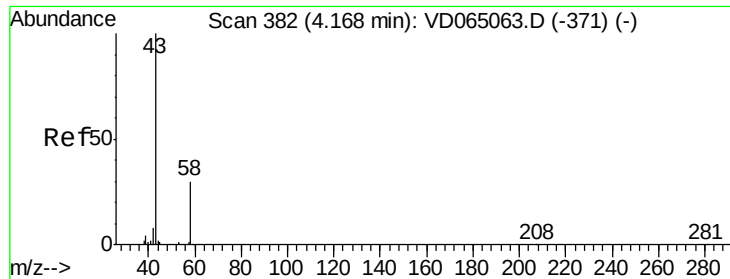


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

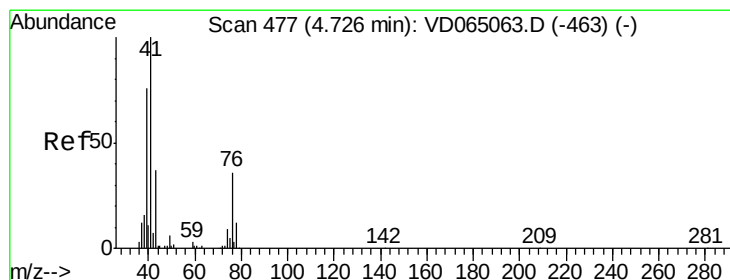
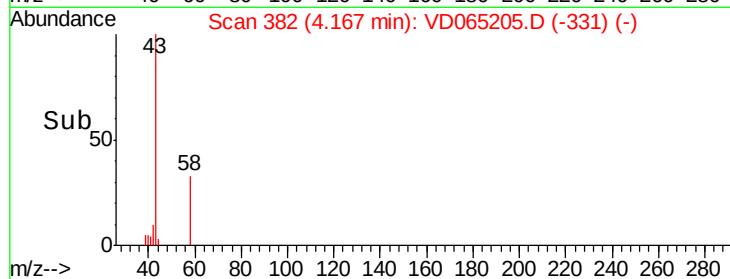
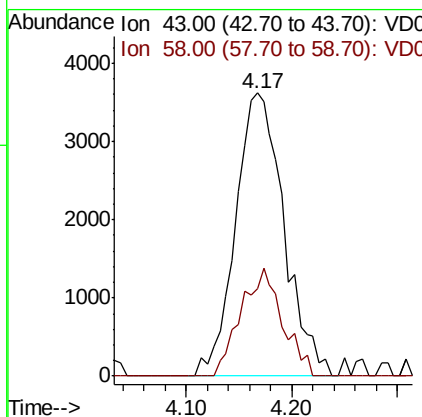
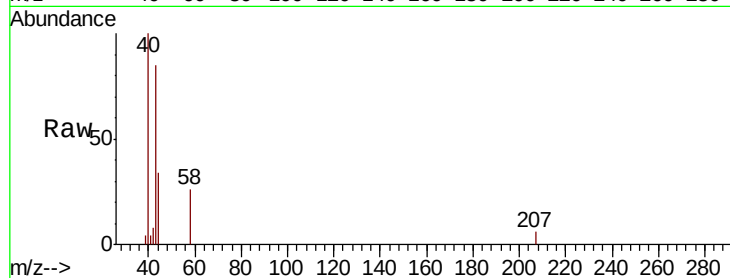




#16
Acetone
Concen: 4552.854 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

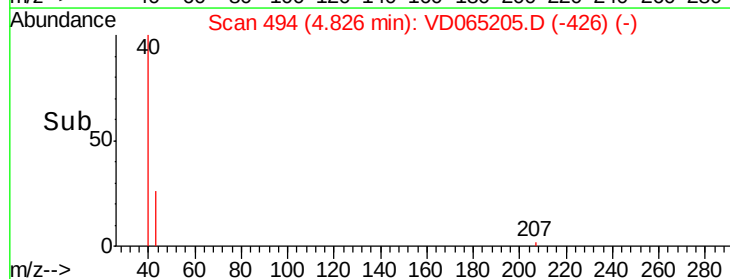
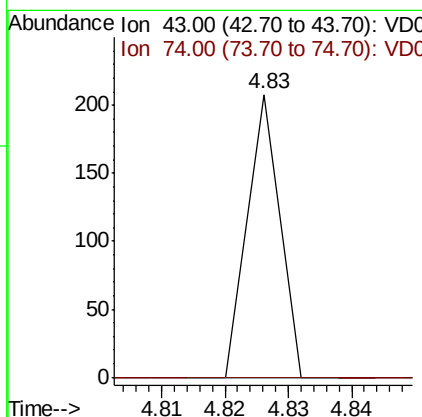
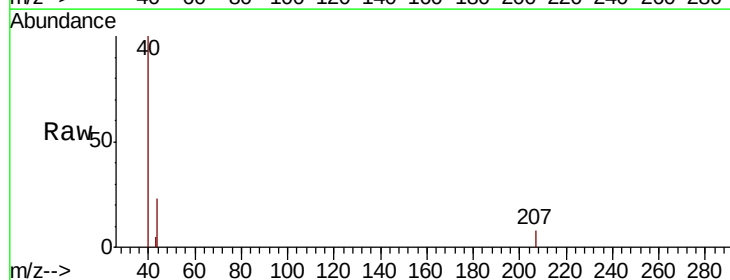
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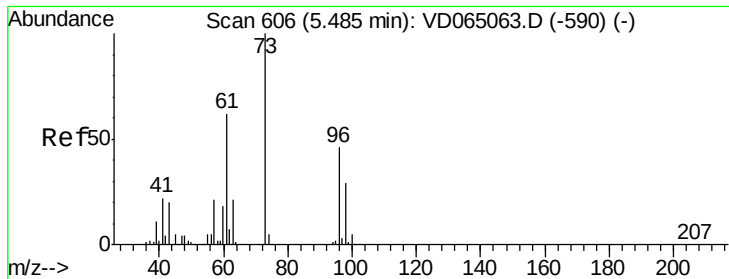
Tot Ion: 43 Resp: 11503
Ion Ratio Lower Upper
43 100
58 30.9 23.5 35.3



#18
Methyl Acetate
Concen: 13.829 ug/l
RT: 4.83 min Scan# 494
Delta R.T. 0.10 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



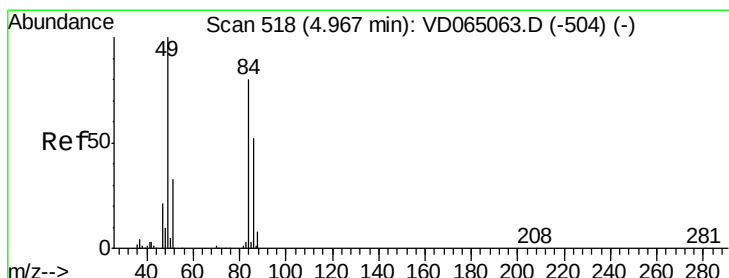
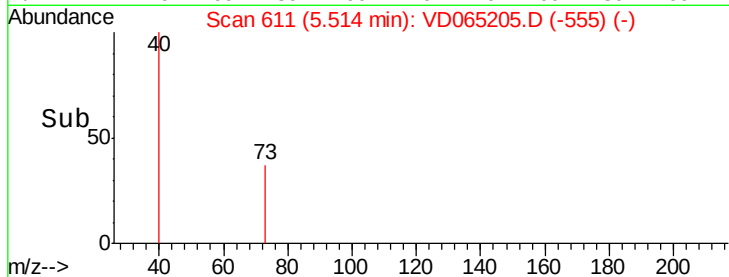
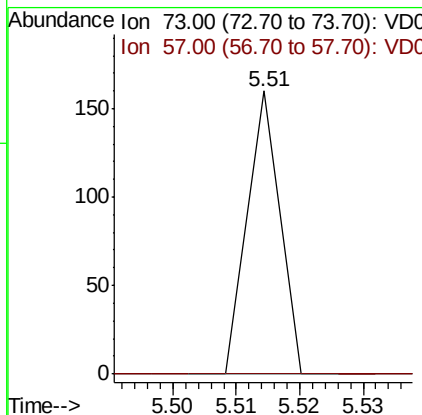
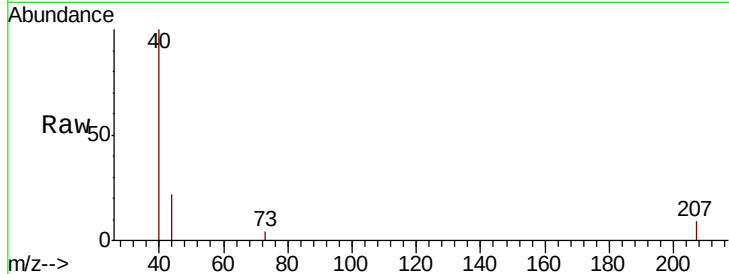


#19

Methyl tert-butyl Ether
 Concen: 2.413 ug/l
 RT: 5.51 min Scan# 611
 Delta R.T. 0.03 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

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

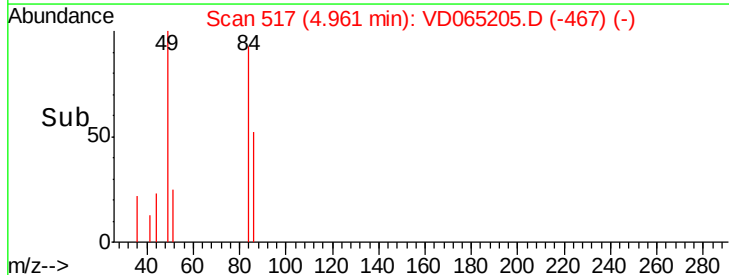
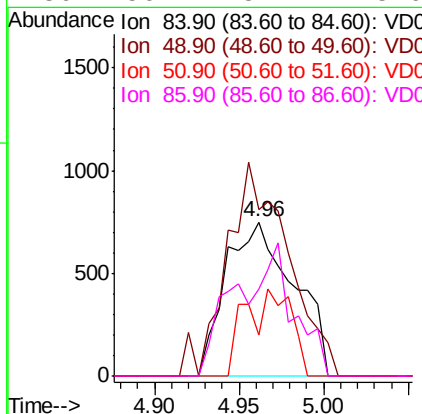
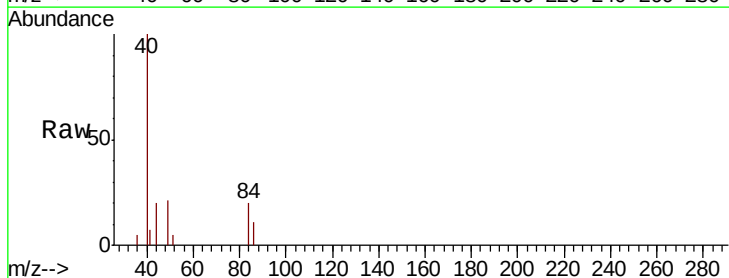
Tot Ion: 73 Resp: 56
 Ion Ratio Lower Upper
 73 100
 57 0.0 16.8 25.2#

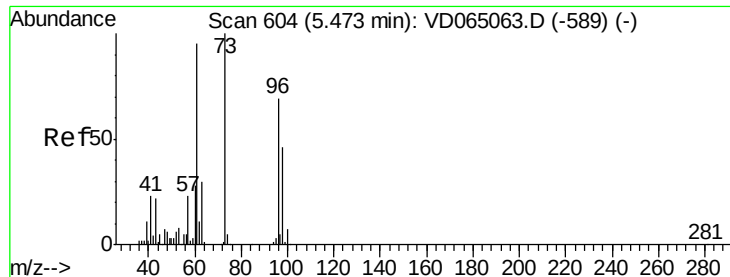


#20

Methylene Chloride
 Concen: 201.225 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

Tgt Ion: 84 Resp: 2106
 Ion Ratio Lower Upper
 84 100
 49 107.9 100.4 150.6
 51 26.5 32.7 49.1#
 86 56.4 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 4.884 ug/l

RT: 5.54 min Scan# 616

Delta R.T. 0.07 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-A

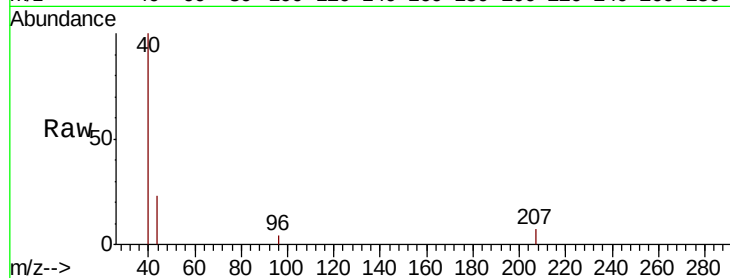
Tot Ion: 96 Resp: 58

Ion Ratio Lower Upper

96 100

61 0.0 109.5 164.3#

98 0.0 53.7 80.5#

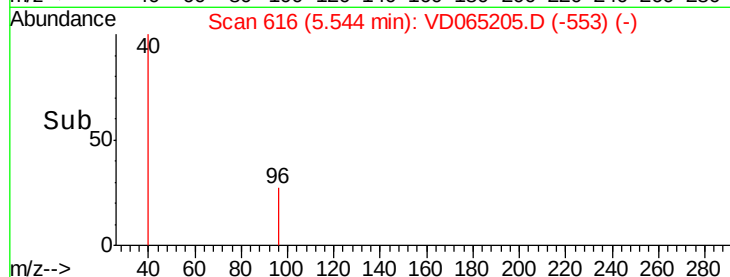


Abundance Ion 95.90 (95.60 to 96.60): VDC

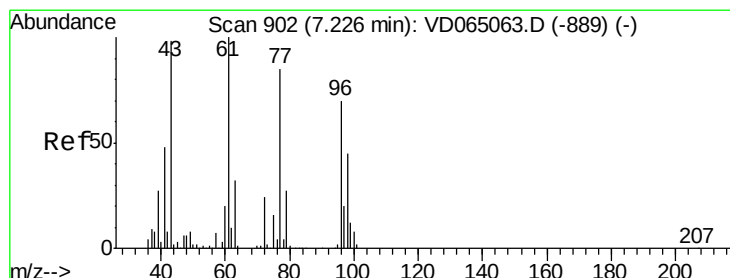
Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

5.54



Time-->



#25

2-Butanone

Concen: 28.535 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065205.D

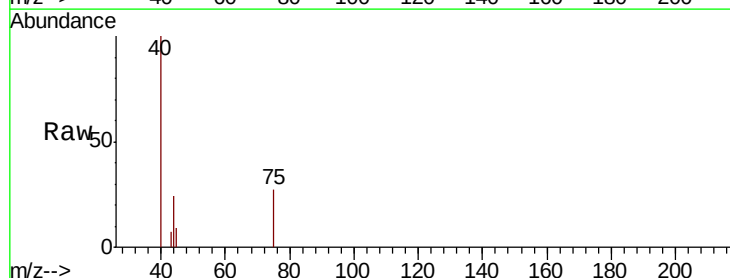
Acq: 17 Feb 2020 19:11

Tgt Ion: 43 Resp: 86

Ion Ratio Lower Upper

43 100

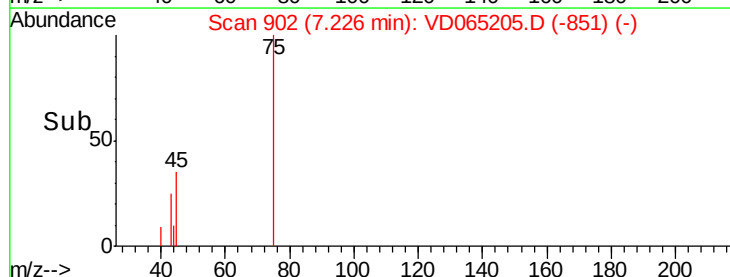
72 0.0 19.9 29.9#



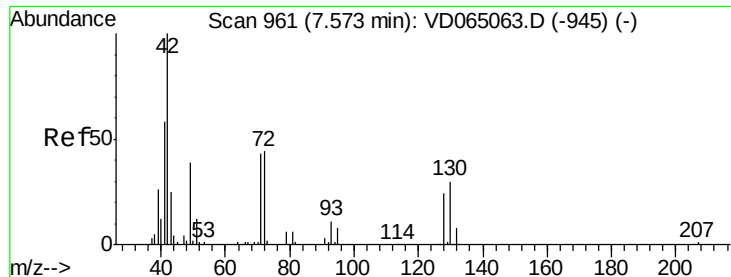
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23



Time-->



#29

Tetrahydrofuran

Concen: 101.506 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-A

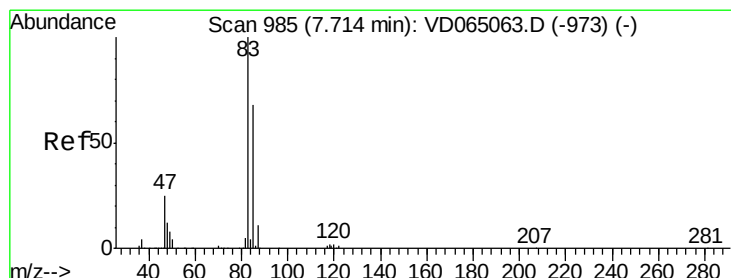
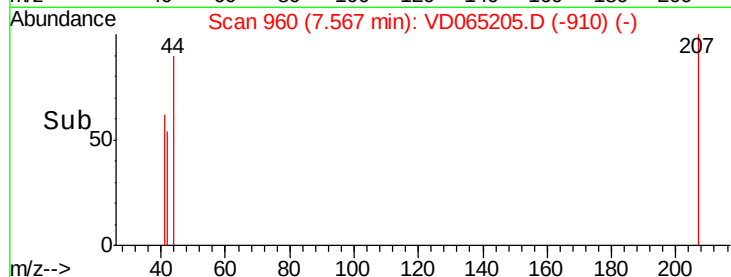
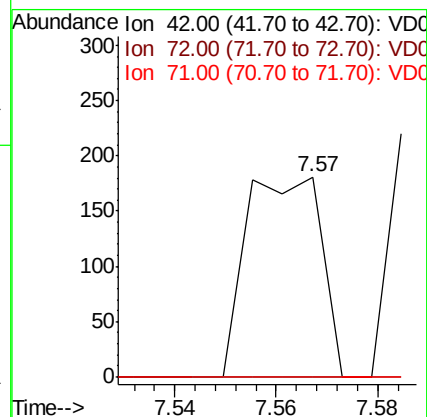
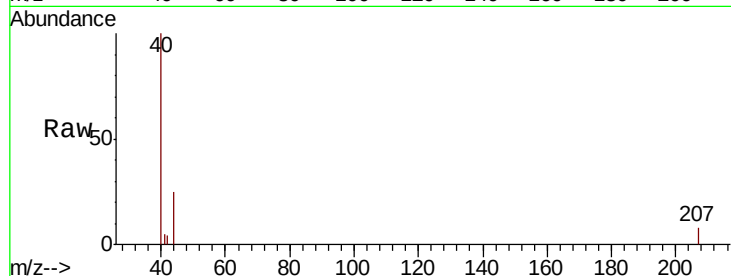
Tot Ion: 42 Resp: 185

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 31.8 47.6#



#30

Chloroform

Concen: 13.565 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD065205.D

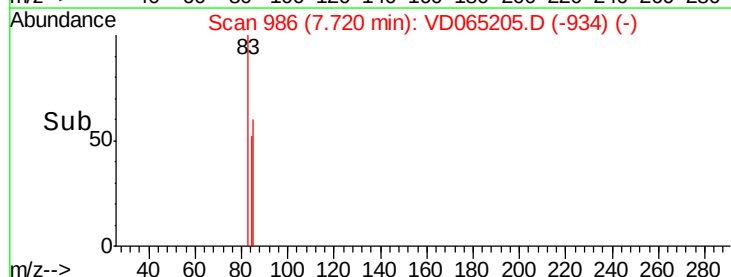
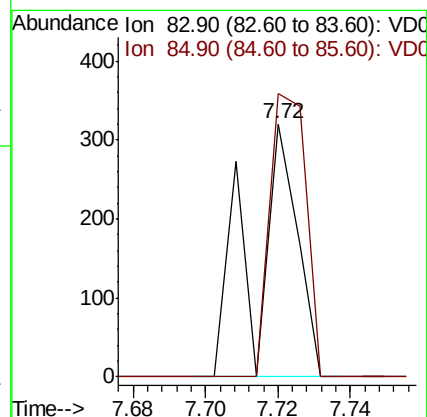
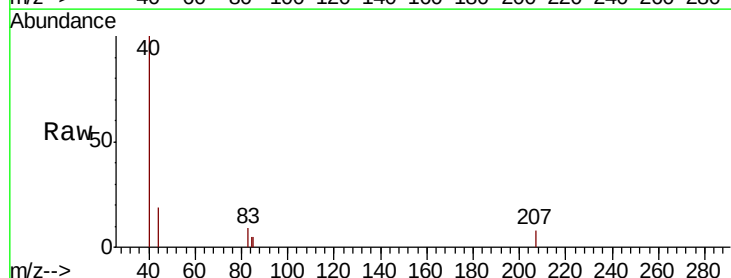
Acq: 17 Feb 2020 19:11

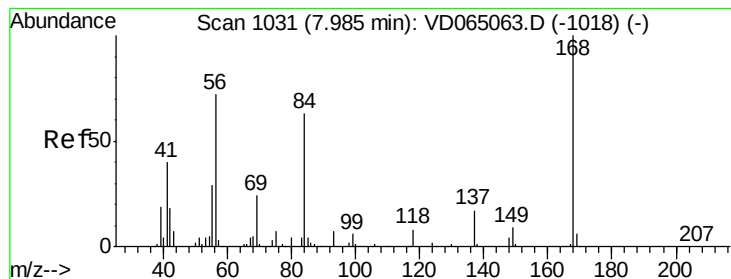
Tgt Ion: 83 Resp: 269

Ion Ratio Lower Upper

83 100

85 111.9 54.2 81.4#





#31

Cyclohexane

Concen: 9.053 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-A

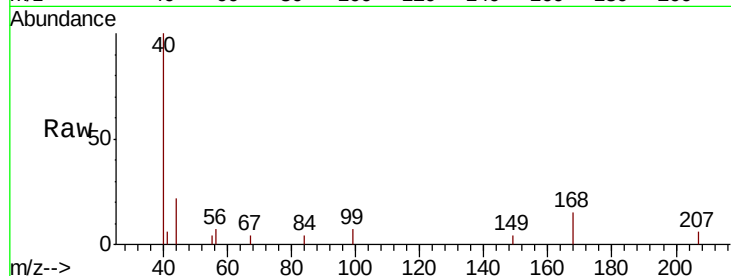
Tot Ion: 56 Resp: 182

Ion Ratio Lower Upper

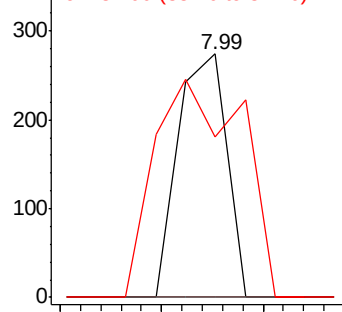
56 100

69 0.0 26.6 40.0#

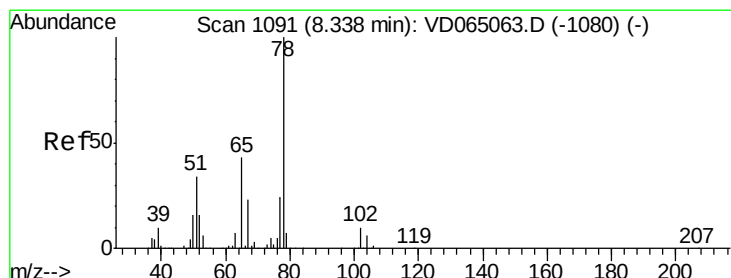
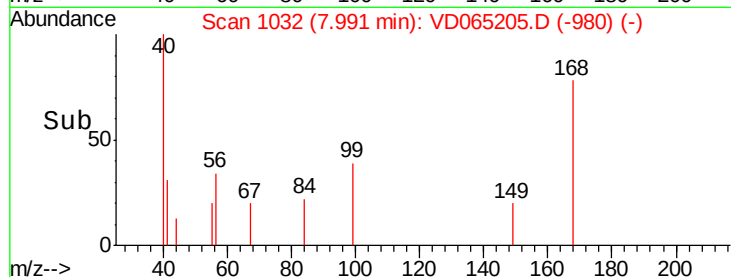
84 66.1 70.6 106.0#



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



Time--> 7.96 7.98 8.00



#33

1,2-Dichloroethane-d4

Concen: 22.364 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065205.D

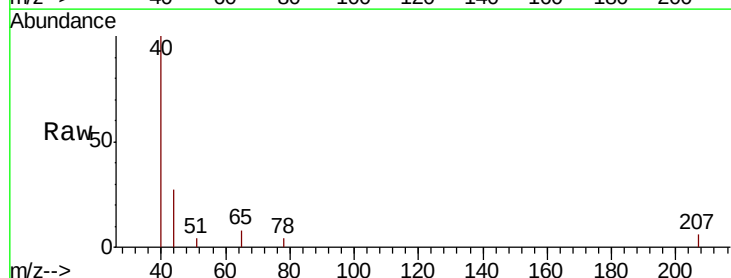
Acq: 17 Feb 2020 19:11

Tgt Ion: 65 Resp: 226

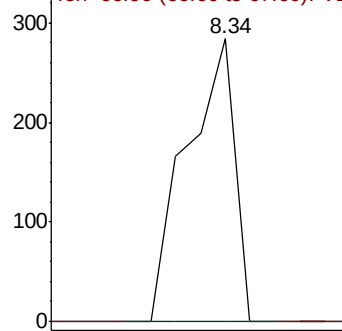
Ion Ratio Lower Upper

65 100

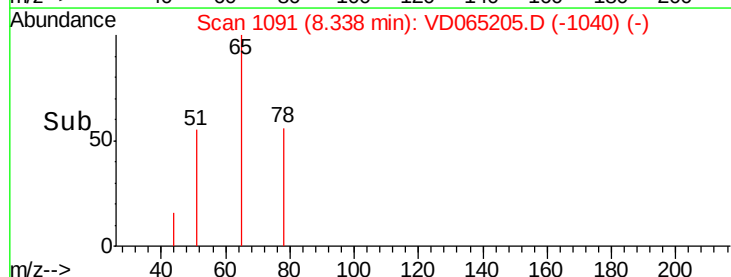
67 0.0 0.0 105.8

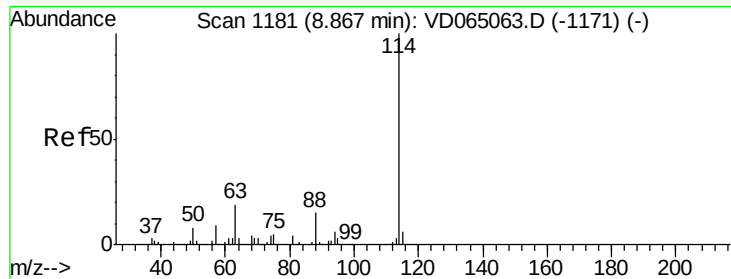


Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC



Time--> 8.30 8.32 8.34 8.36

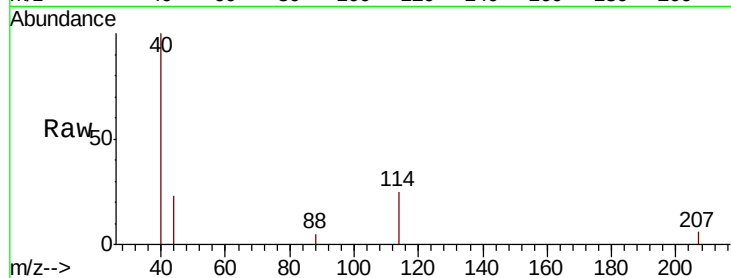




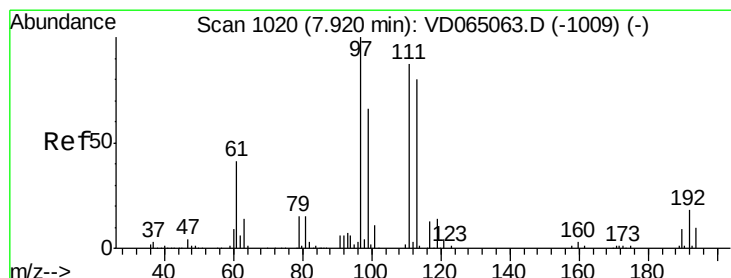
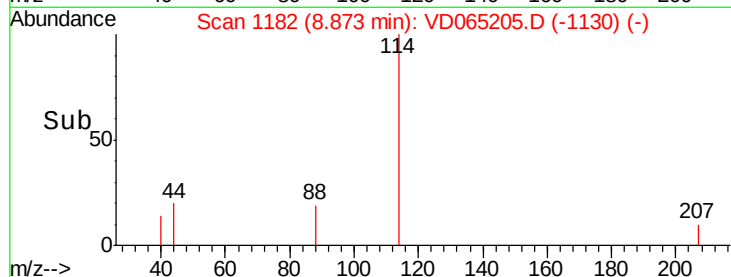
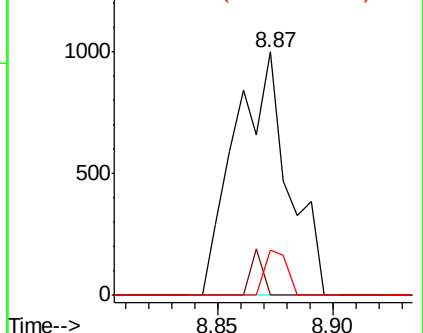
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

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

Tot Ion:114 Resp: 1612
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 38.8
 88 18.6 0.0 29.6

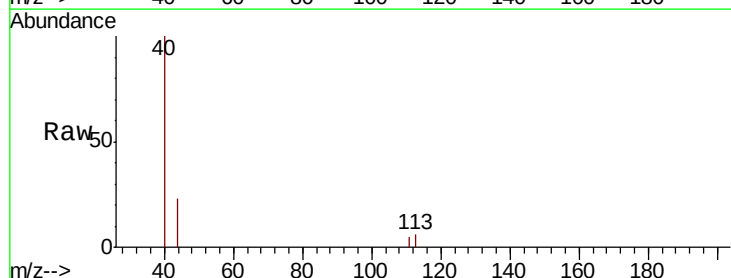


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

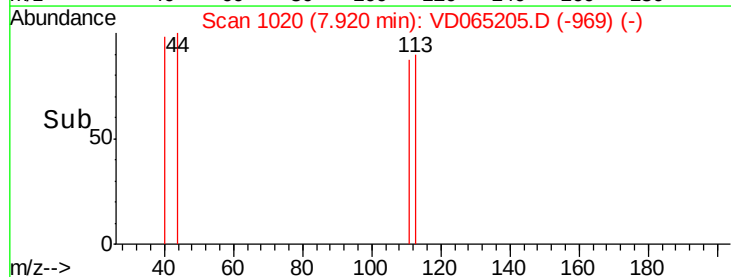
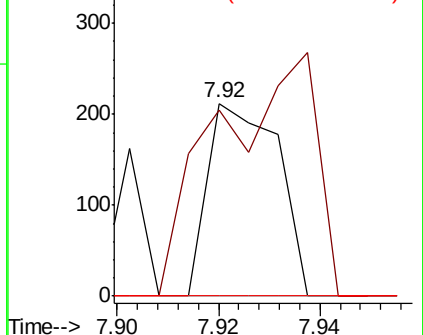


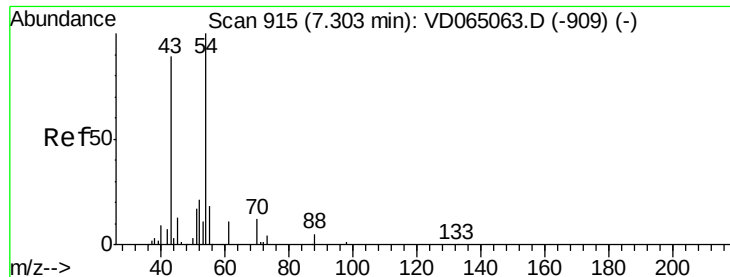
#35
 Dibromofluoromethane
 Concen: 22.793 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

Tgt Ion:113 Resp: 205
 Ion Ratio Lower Upper
 113 100
 111 175.6 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

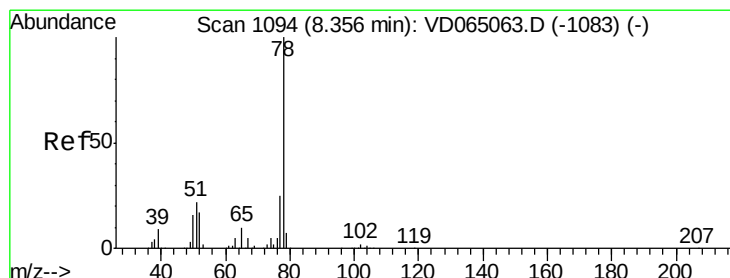
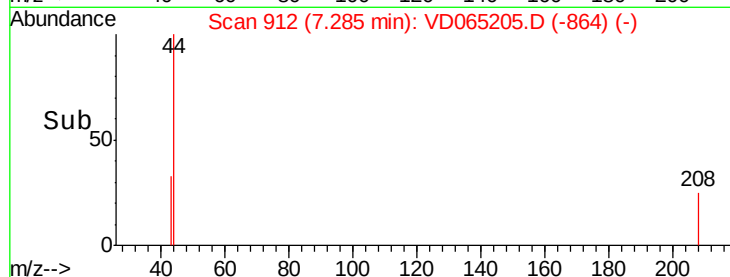
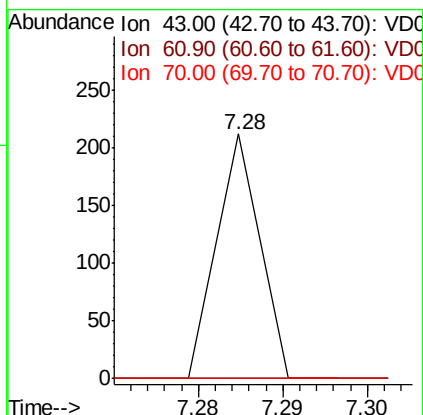
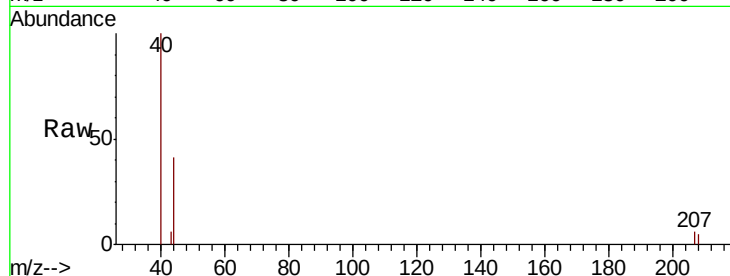




#37
Ethyl Acetate
Concen: 12.248 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

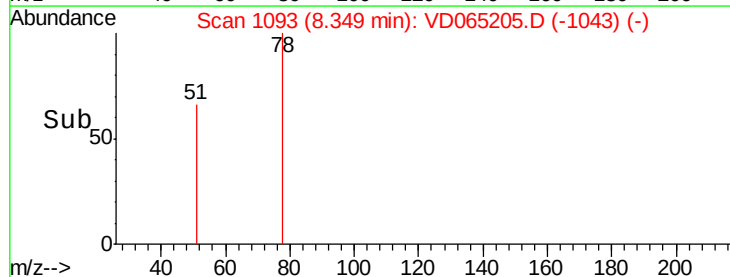
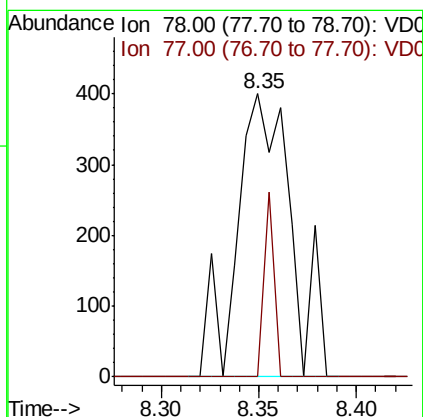
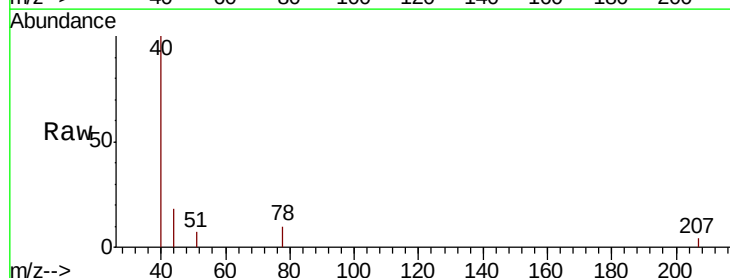
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-A

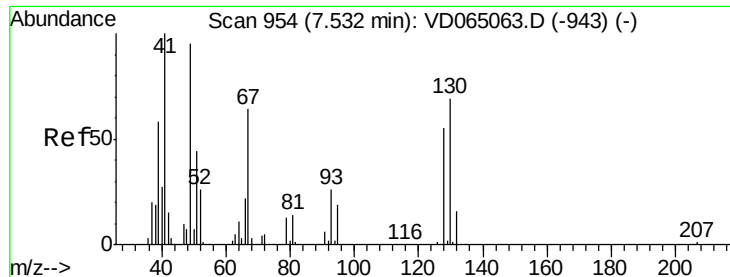
Tot Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.0 8.2 12.2#



#40
Benzene
Concen: 18.772 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 78 Resp: 777
Ion Ratio Lower Upper
78 100
77 0.0 19.6 29.4#





#41

Methacrylonitrile

Concen: 131.016 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.05 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-A

Tot Ion: 41 Resp: 442

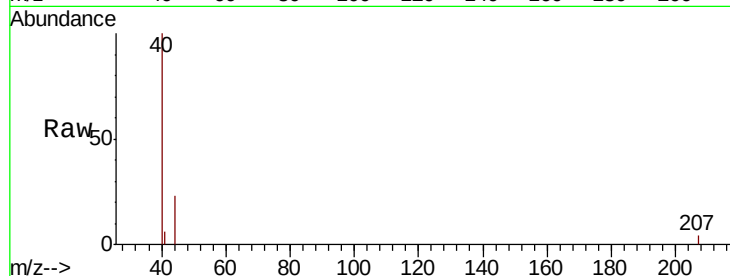
Ion Ratio Lower Upper

41 100

39 14.9 55.4 83.0#

67 0.0 59.0 88.6#

52 0.0 25.4 38.0#

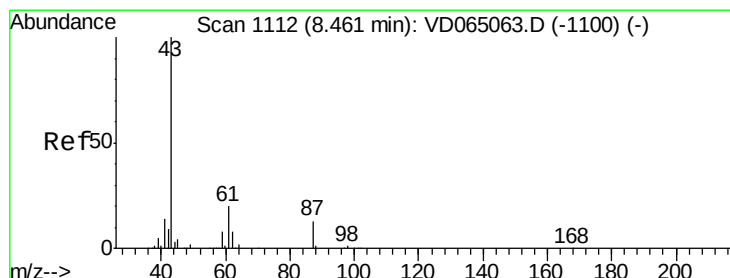
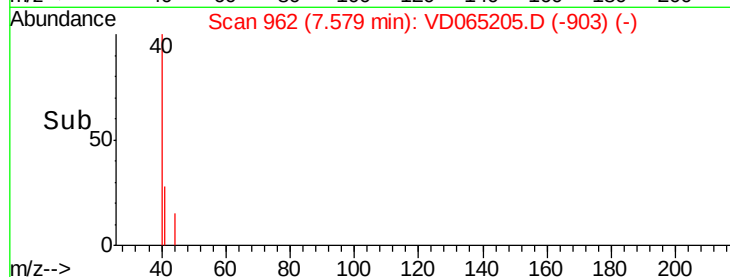
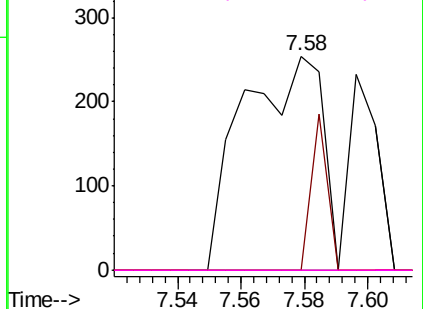


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 6.146 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.11 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

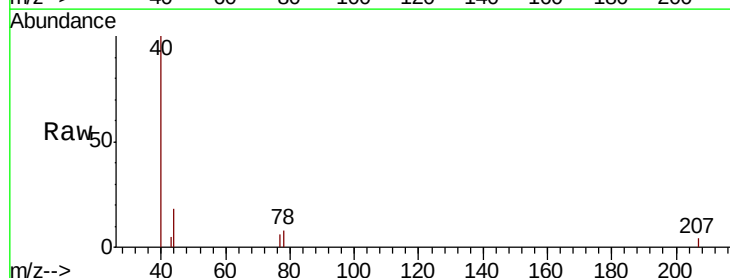
Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

61 0.0 24.0 36.0#

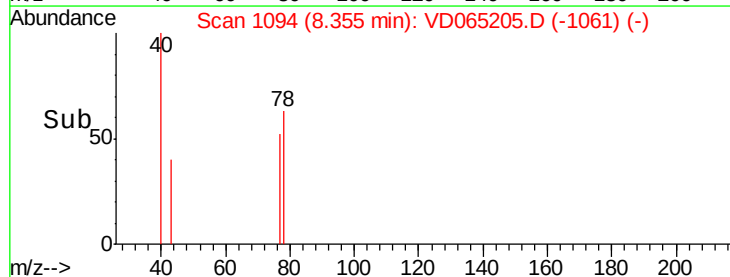
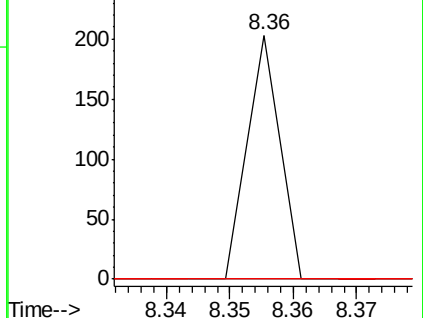
87 0.0 10.2 15.4#

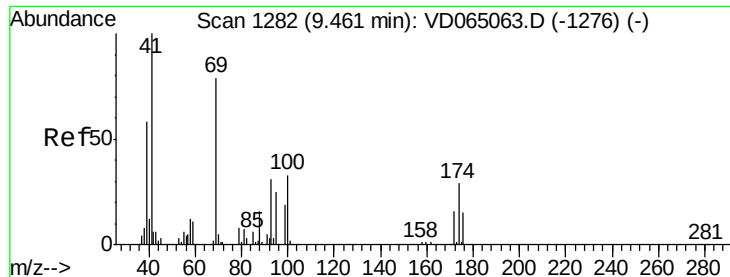


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

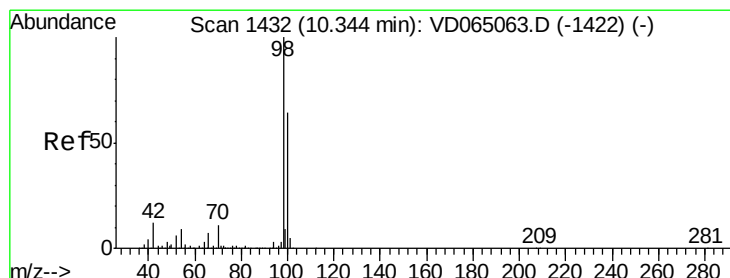
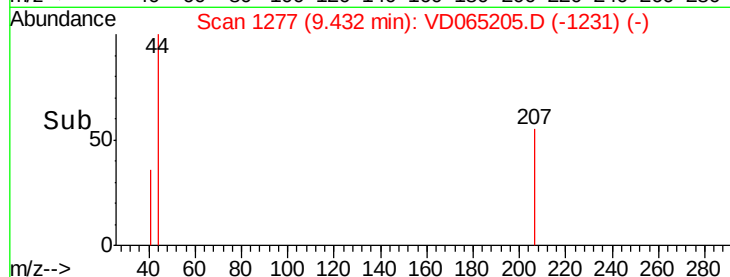
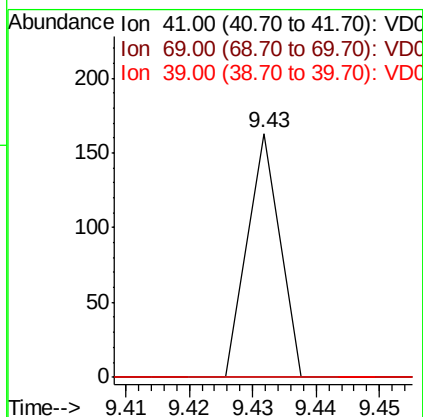
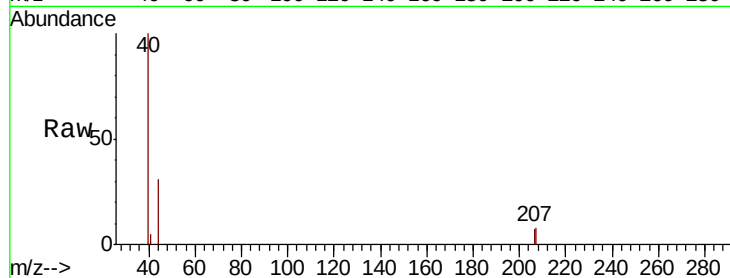




#48
Methvl methacrylate
Concen: 10.112 ug/l
RT: 9.43 min Scan# 1277
Delta R.T. -0.03 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

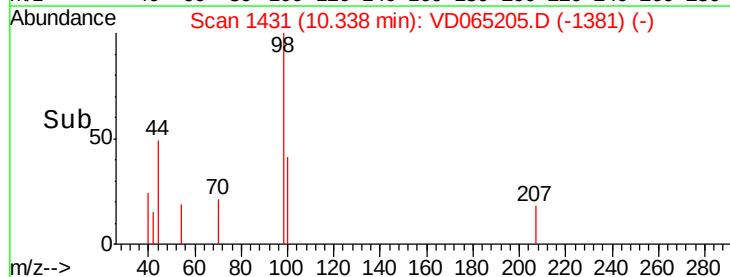
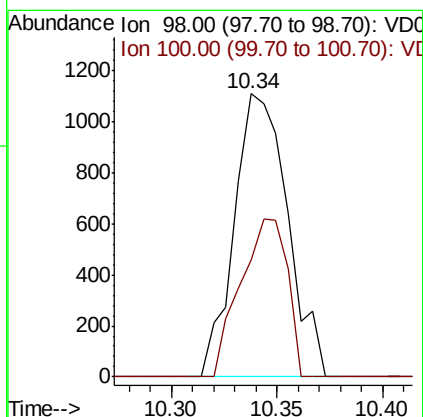
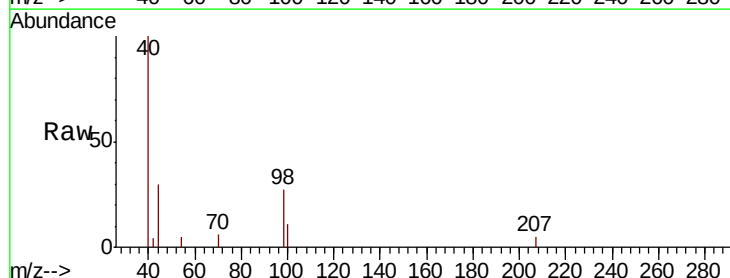
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-A

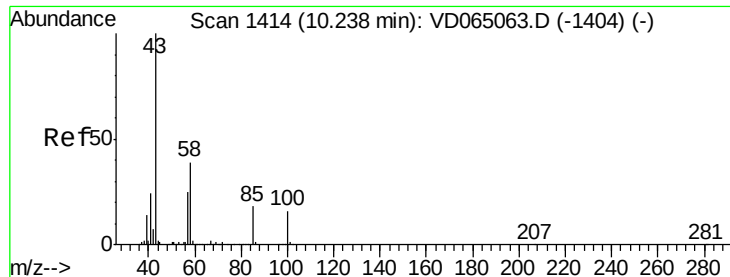
Tot Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
69 0.0 67.5 101.3#
39 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 54.220 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 98 Resp: 1941
Ion Ratio Lower Upper
98 100
100 48.8 52.1 78.1#





#51

4-Methyl-2-Pentanone

Concen: 81.515 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. -0.13 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

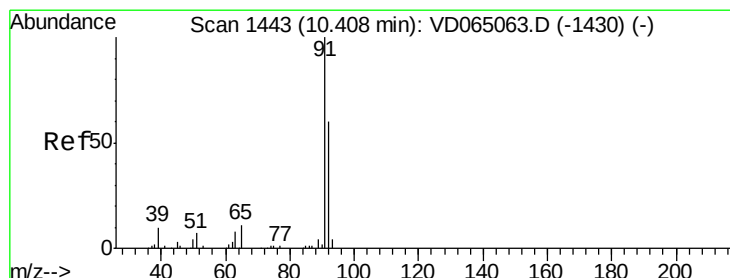
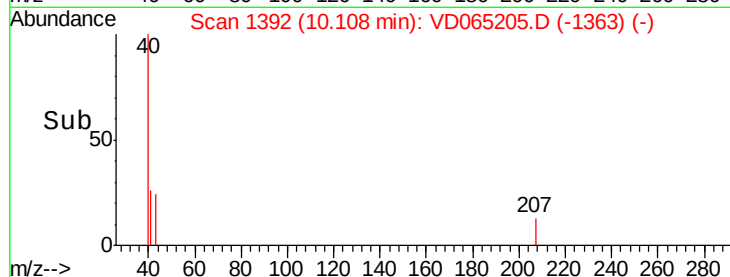
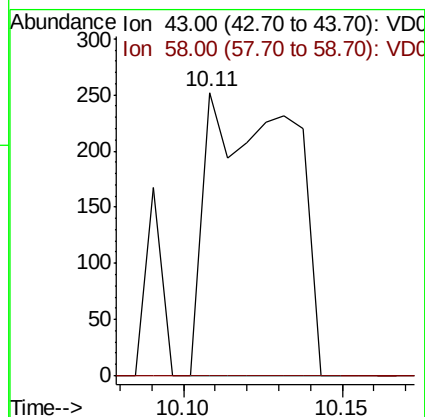
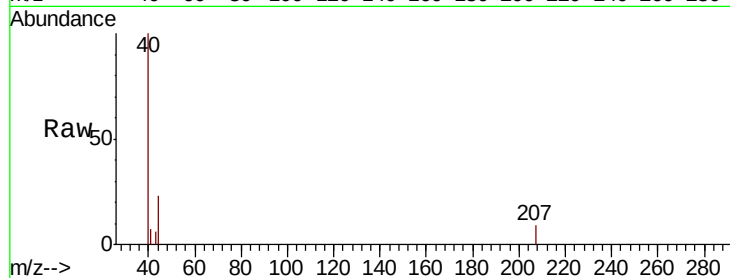
FK-SF-01-007-A

Tot Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



#52

Toluene

Concen: 39.670 ug/l

RT: 10.41 min Scan# 1444

Delta R.T. 0.01 min

Lab File: VD065205.D

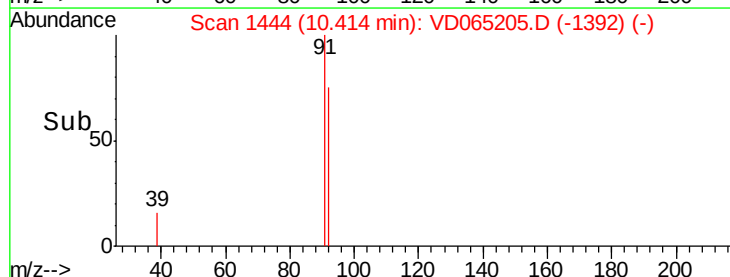
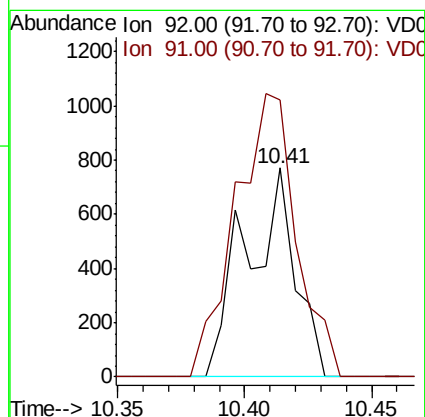
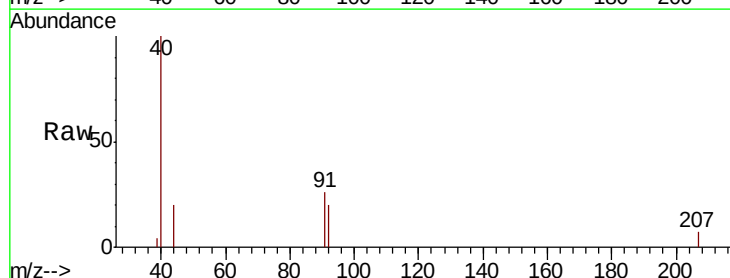
Acq: 17 Feb 2020 19:11

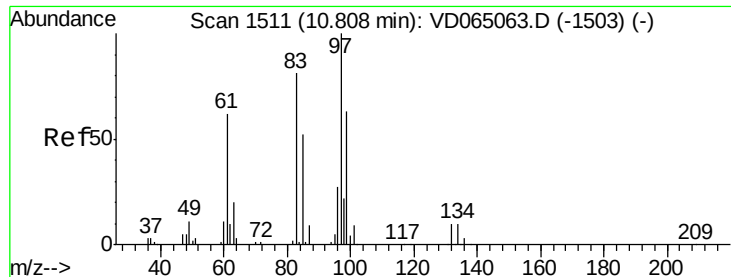
Tgt Ion: 92 Resp: 1048

Ion Ratio Lower Upper

92 100

91 167.0 135.3 202.9

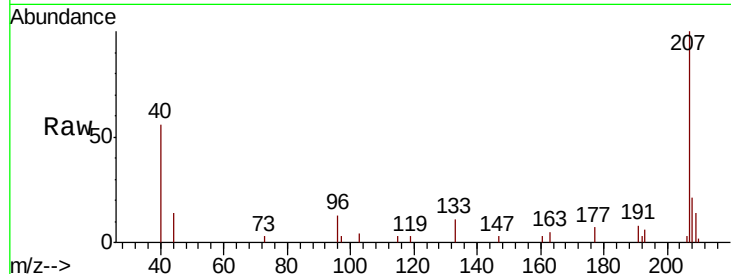




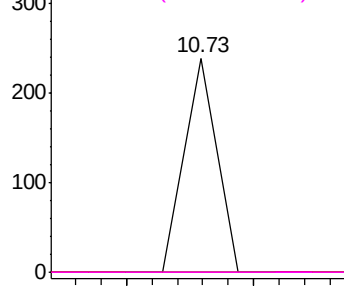
#55
 1,1,2-Trichloroethane
 Concen: 11.743 ug/l
 RT: 10.73 min Scan# 1498
 Delta R.T. -0.08 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

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

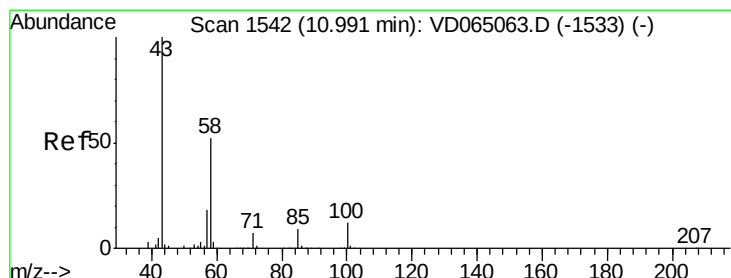
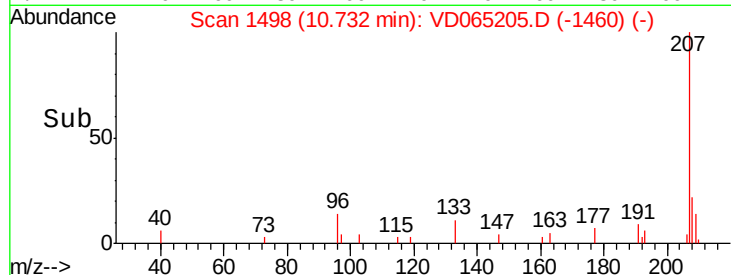
Tot Ion:	97	Resp:	84
Ion	Ratio	Lower	Upper
97	100		
83	0.0	64.8	97.2#
85	0.0	41.2	61.8#
99	0.0	50.3	75.5#



Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

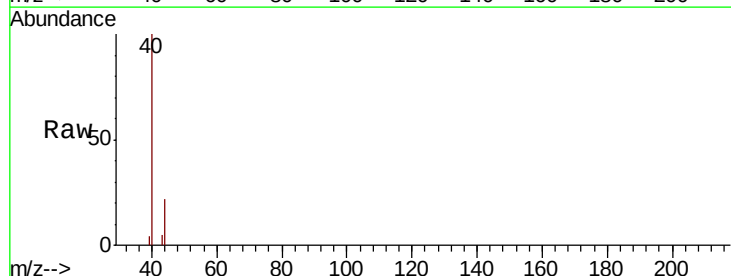


Time-->

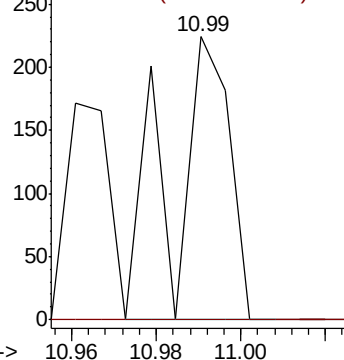


#59
 2-Hexanone
 Concen: 52.399 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

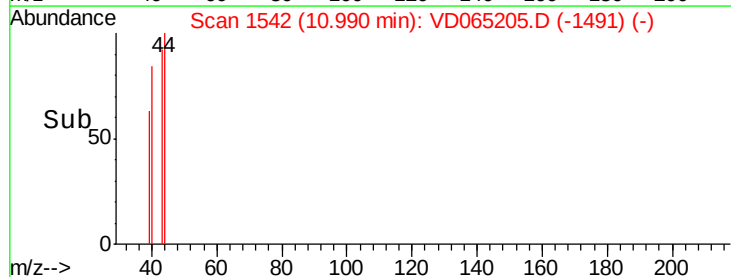
Tgt Ion:	43	Resp:	214
Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.2	78.6#

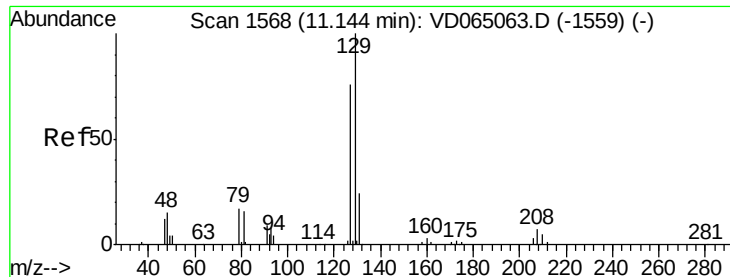


Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC



Time-->





#60

Dibromochloromethane

Concen: 5.936 ug/l

RT: 10.90 min Scan# 1526

Delta R.T. -0.25 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

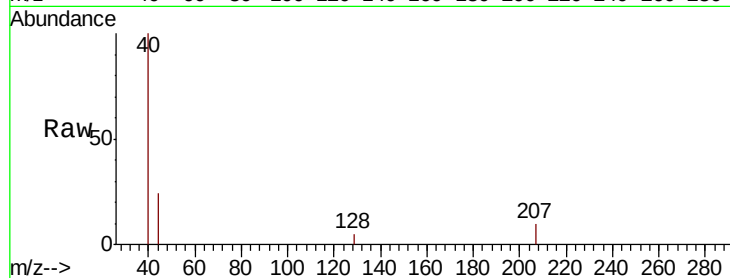
FK-SF-01-007-A

Tot Ion:129 Resp: 55

Ion Ratio Lower Upper

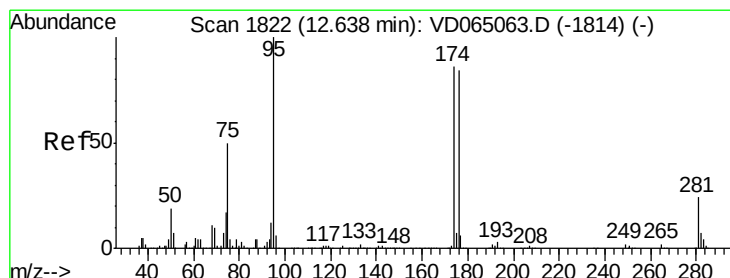
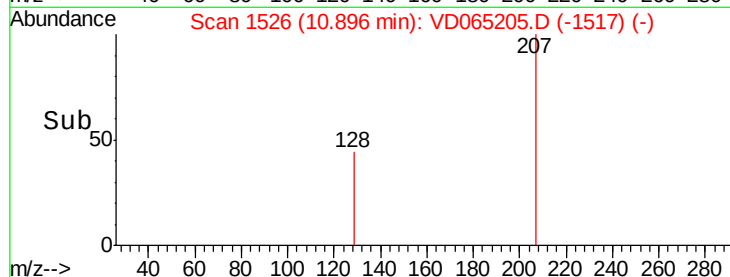
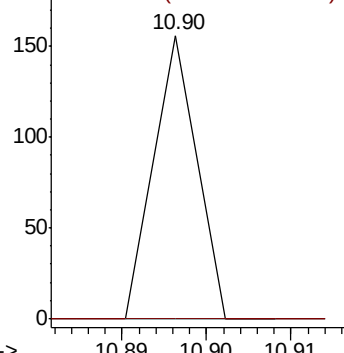
129 100

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



#62

4-Bromofluorobenzene

Concen: 55.540 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

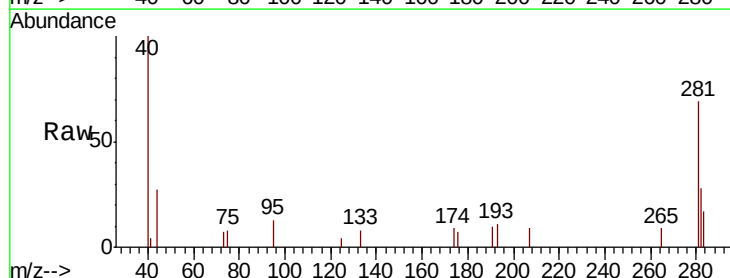
Tgt Ion: 95 Resp: 630

Ion Ratio Lower Upper

95 100

174 113.0 0.0 180.0

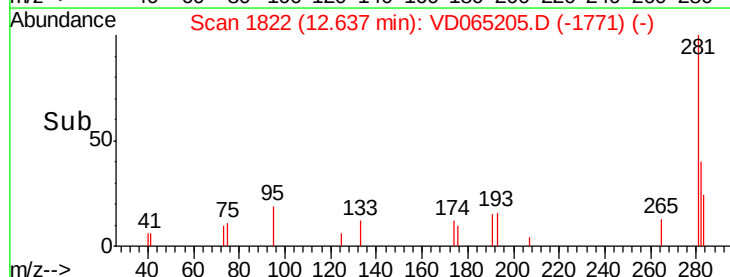
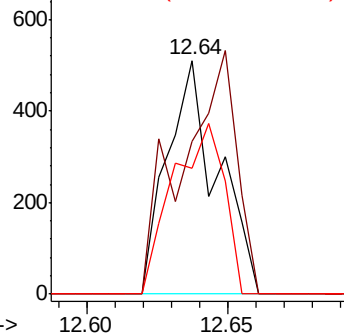
176 74.8 0.0 173.2

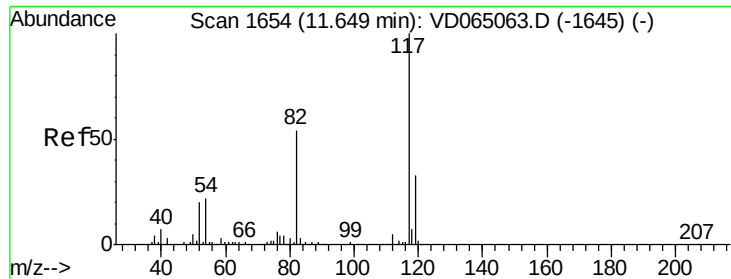


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

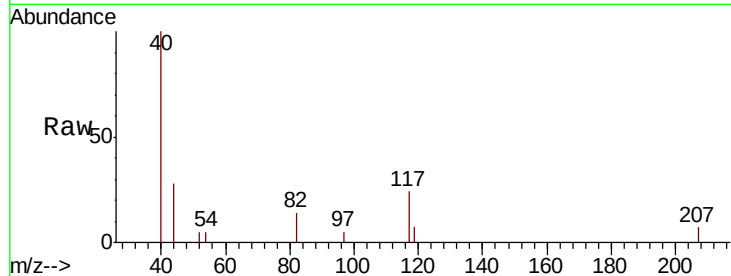




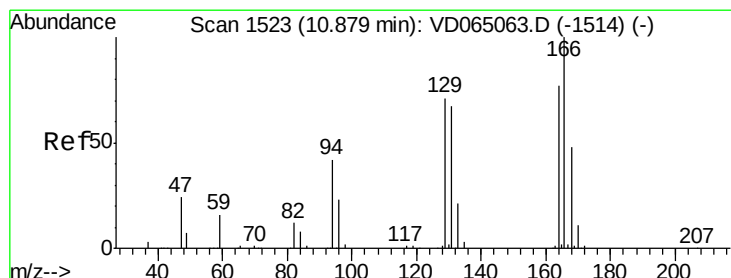
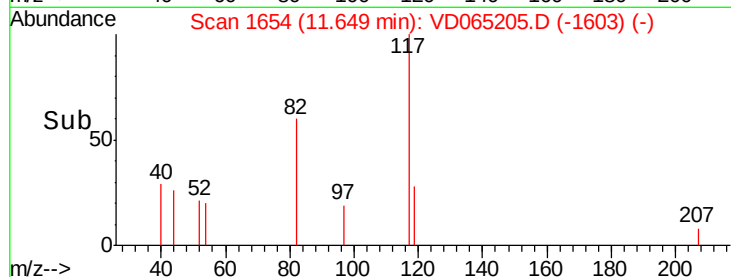
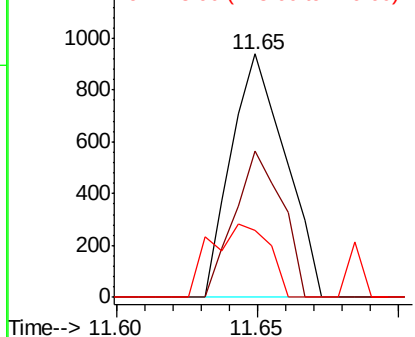
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

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

Tot Ion:117 Resp: 1251
Ion Ratio Lower Upper
117 100
82 60.0 43.1 64.7
119 27.6 26.0 39.0

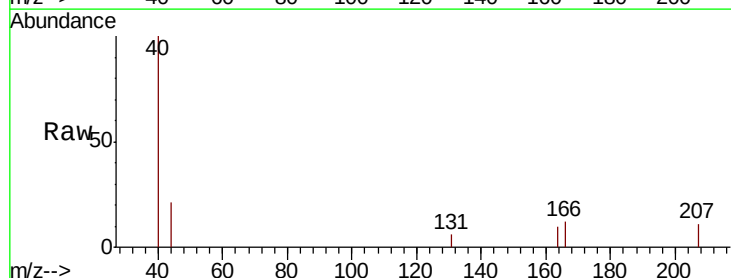


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

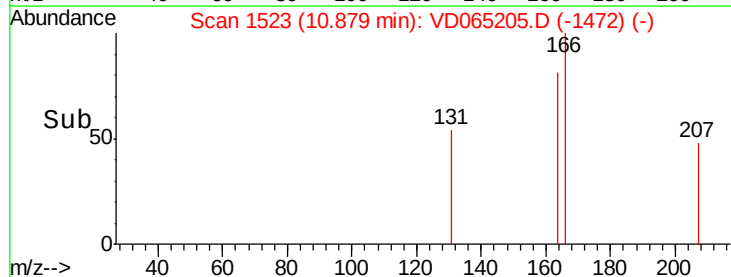
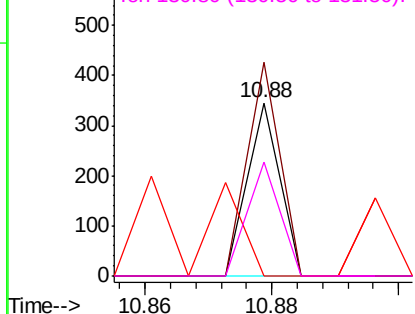


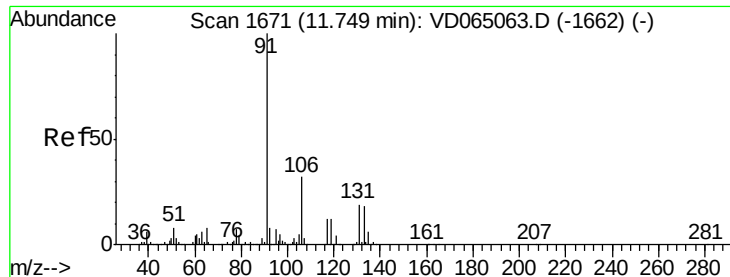
#64
Tetrachloroethene
Concen: 13.572 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:164 Resp: 122
Ion Ratio Lower Upper
164 100
166 123.5 103.5 155.3
129 0.0 73.3 109.9#
131 66.1 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: 13.512 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

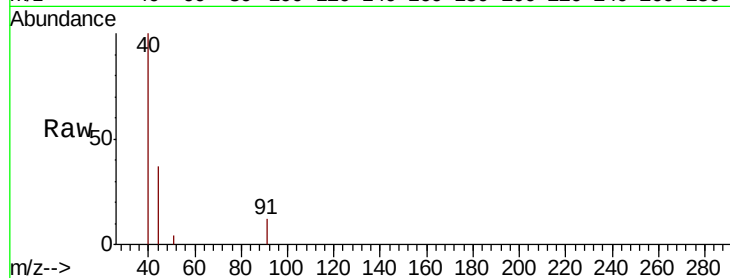
FK-SF-01-007-A

Tot Ion: 91 Resp: 594

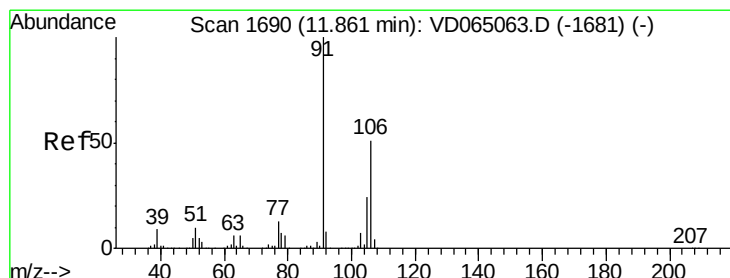
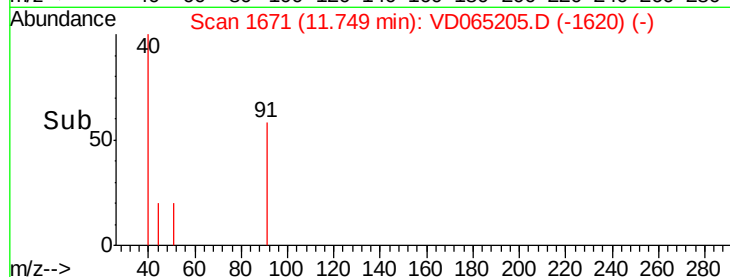
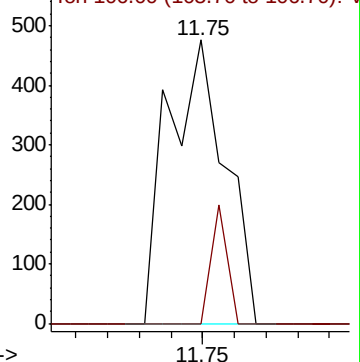
Ion Ratio Lower Upper

91 100

106 0.0 25.4 38.2#



Abundance Ion 91.00 (90.70 to 91.70): VD065205.D (-1670) (-)



#68

m/p-Xylenes

Concen: 28.489 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065205.D

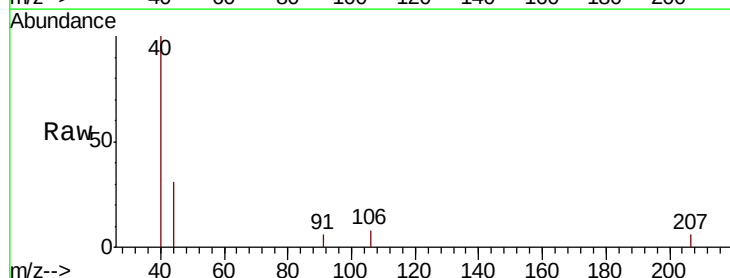
Acq: 17 Feb 2020 19:11

Tgt Ion: 106 Resp: 478

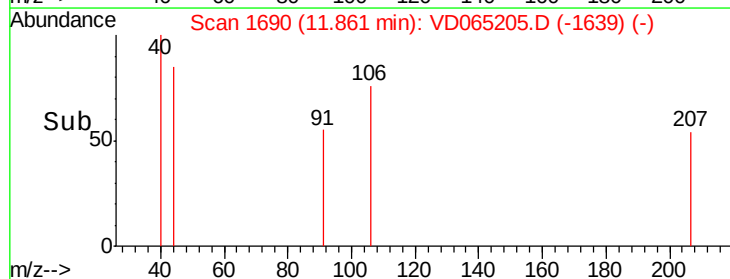
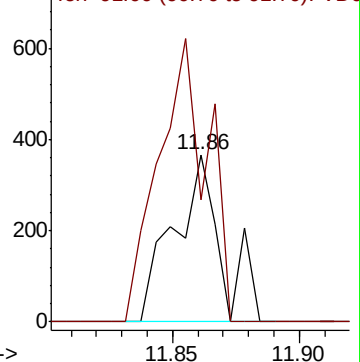
Ion Ratio Lower Upper

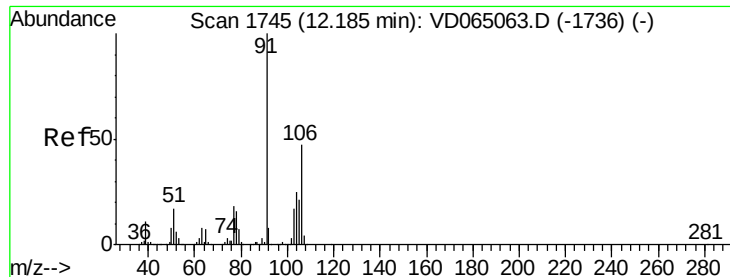
106 100

91 172.6 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VD065205.D (-1689) (-)

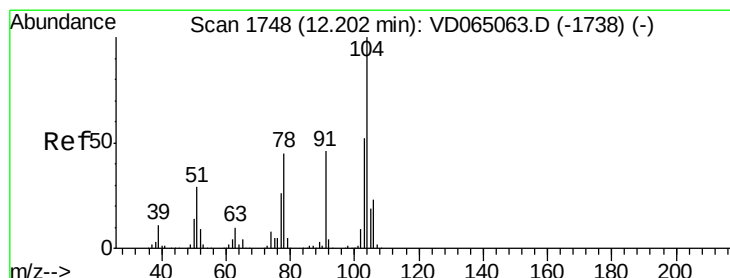
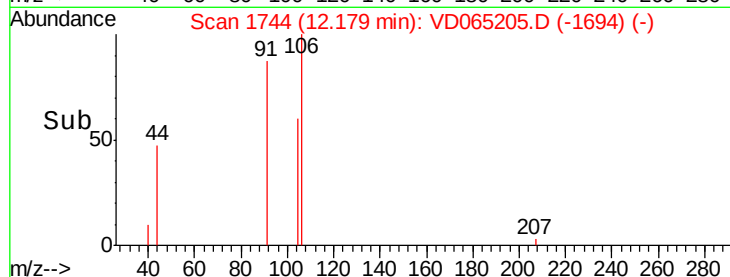
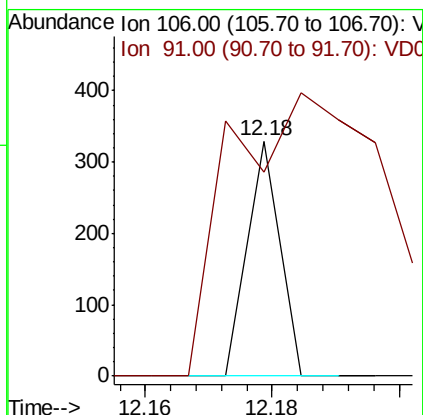
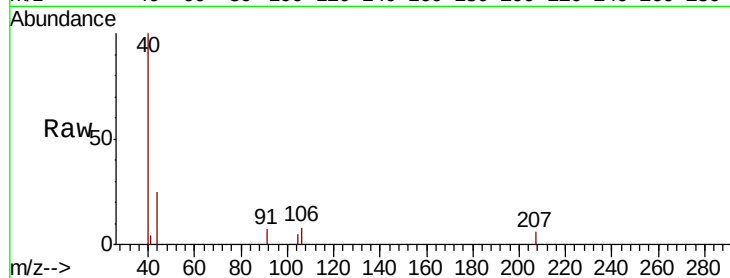




#69
o-Xylene
Concen: 7.677 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

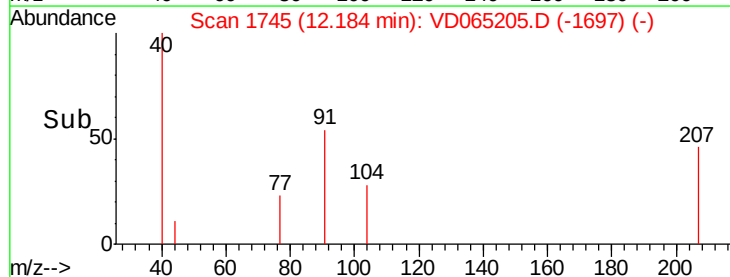
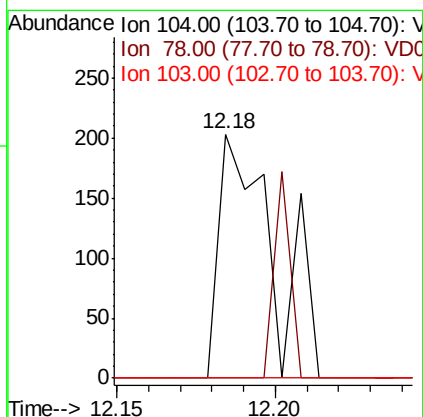
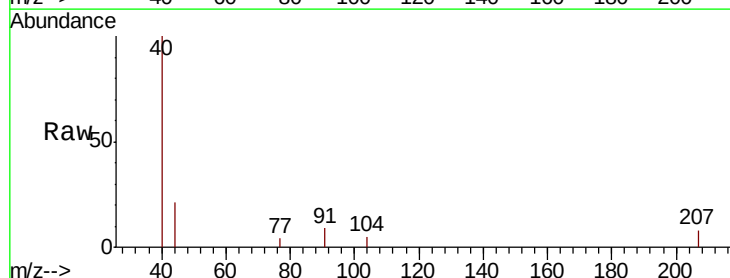
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-007-A

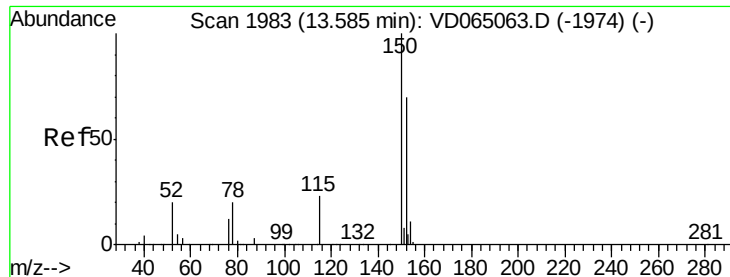
Tot Ion:106 Resp: 116
Ion Ratio Lower Upper
106 100
91 573.3 104.7 313.9#



#70
Styrene
Concen: 9.177 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.02 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:104 Resp: 241
Ion Ratio Lower Upper
104 100
78 25.3 38.5 57.7#
103 0.0 43.8 65.8#

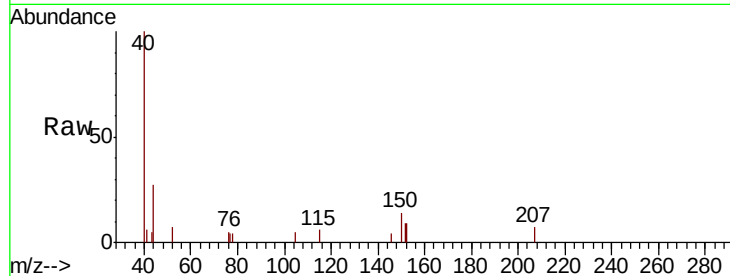




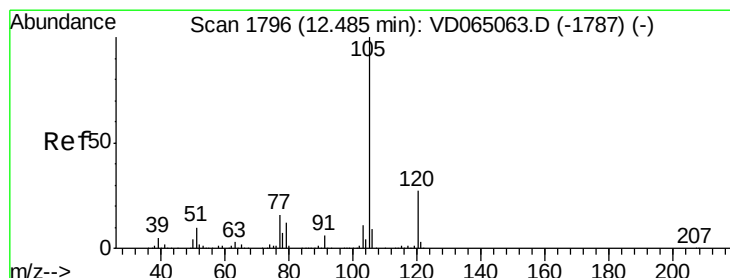
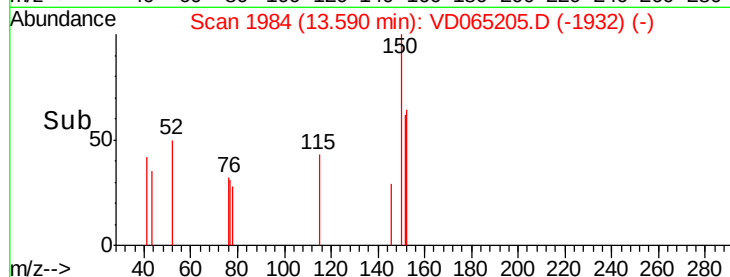
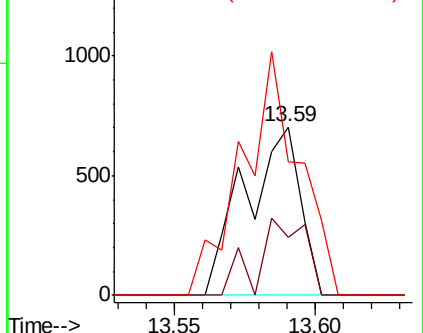
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. 0.01 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

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

Tot Ion:152 Resp: 958
 Ion Ratio Lower Upper
 152 100
 115 38.9 27.5 82.4
 150 147.3 0.0 343.2

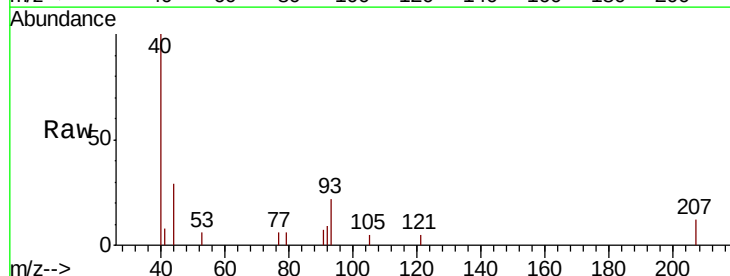


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

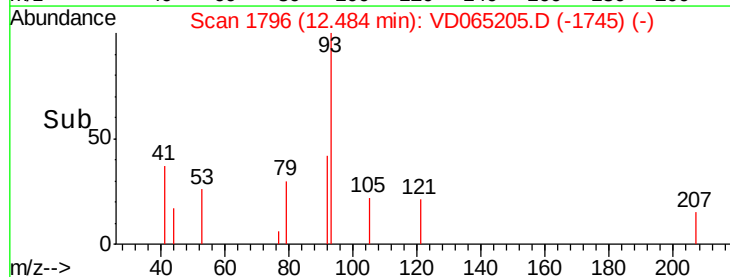
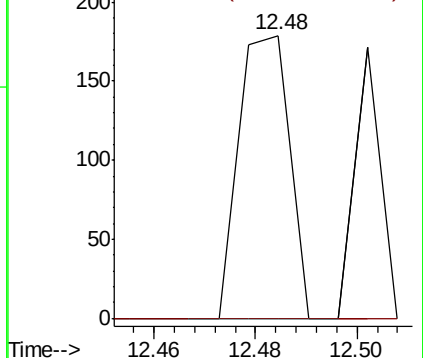


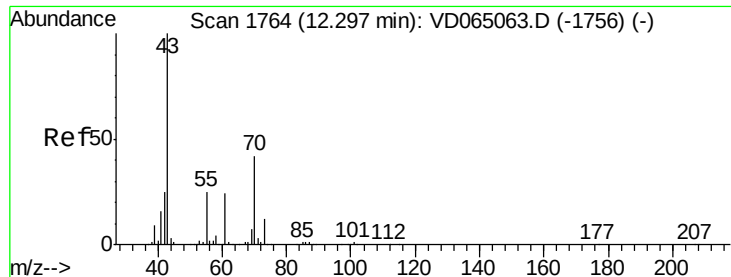
#73
 Isopropylbenzene
 Concen: 1.886 ug/l
 RT: 12.48 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

Tgt Ion:105 Resp: 124
 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





#74

N-amvl acetate

Concen: 4.828 ug/l

RT: 12.41 min Scan# 1783

Delta R.T. 0.11 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-A

Tot Ion: 43 Resp: 69

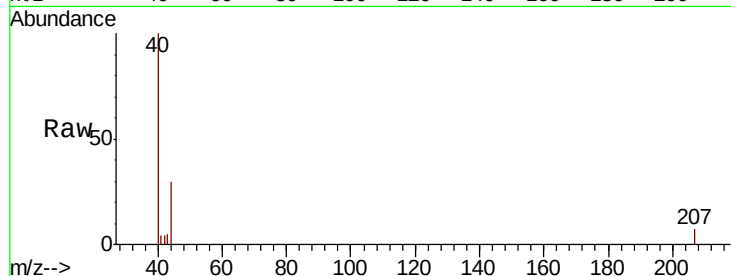
Ion Ratio Lower Upper

43 100

70 0.0 33.5 50.3#

55 118.8 19.4 29.2#

61 0.0 18.6 28.0#

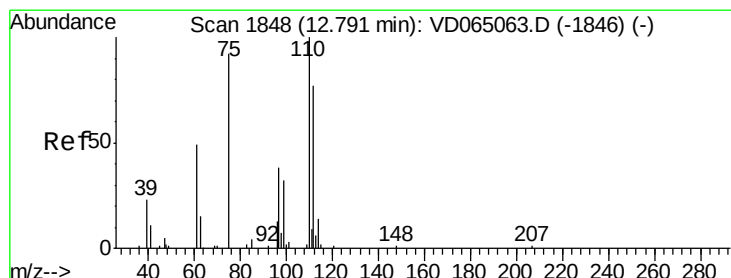
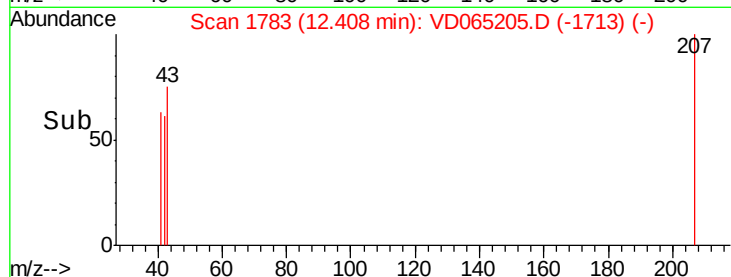
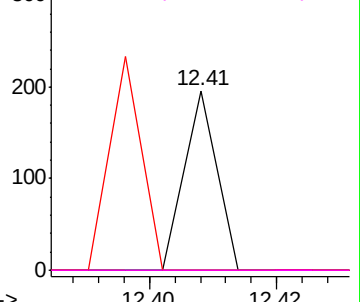


Abundance Ion 43.00 (42.70 to 43.70): VDC

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



#76

1,2,3-Trichloropropane

Concen: 36.674 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065205.D

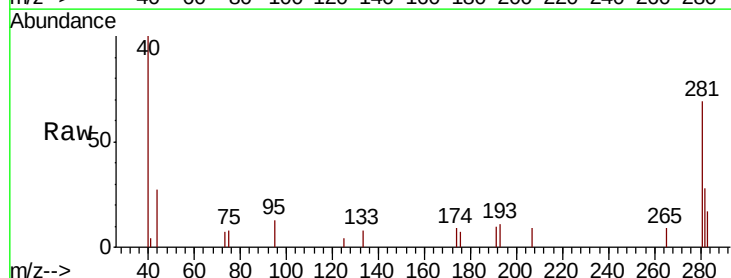
Acq: 17 Feb 2020 19:11

Tgt Ion: 75 Resp: 266

Ion Ratio Lower Upper

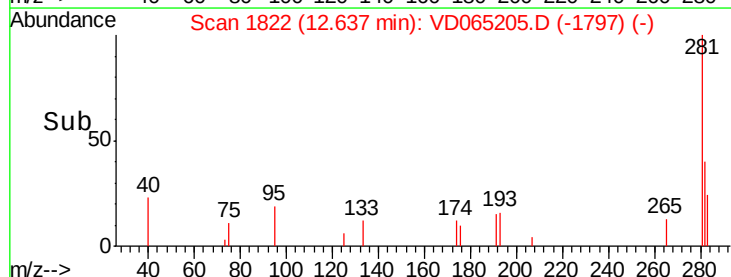
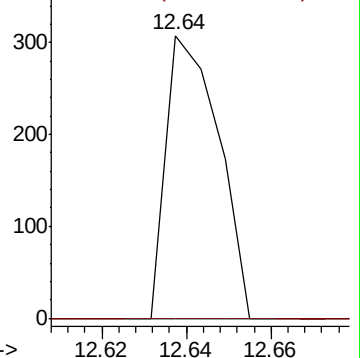
75 100

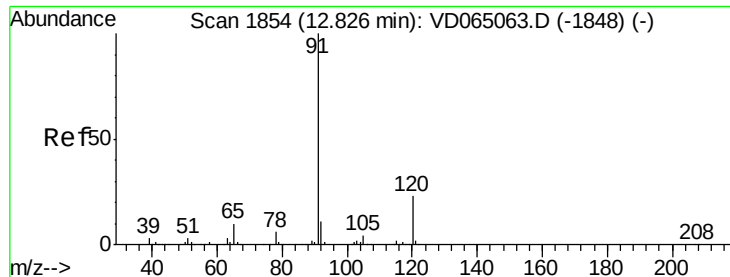
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#78

n-propylbenzene

Concen: 6.597 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

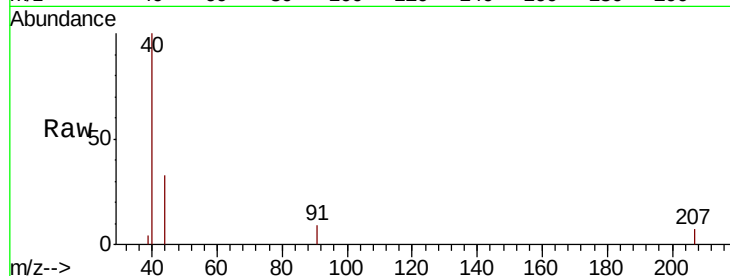
FK-SF-01-007-A

Tot Ion: 91 Resp: 508

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

12.83

300

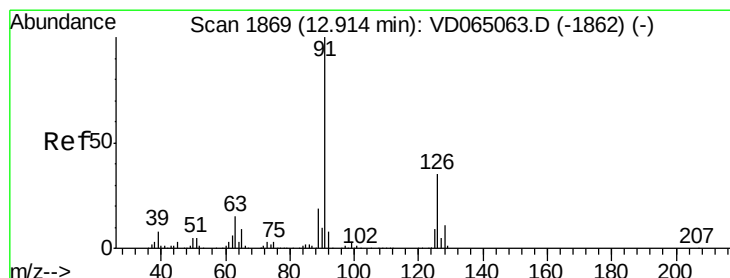
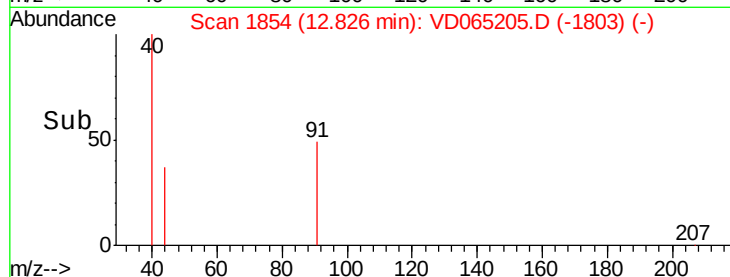
200

100

0

12.80 12.85

Time-->



#79

2-Chlorotoluene

Concen: 11.835 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.09 min

Lab File: VD065205.D

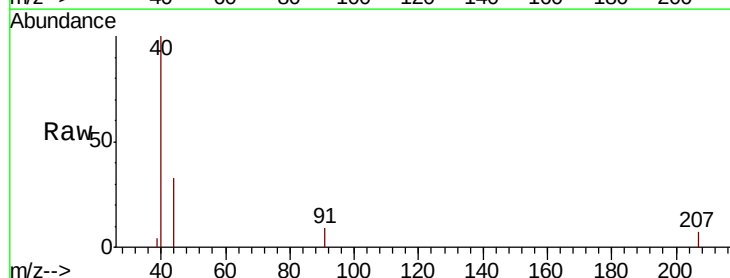
Acq: 17 Feb 2020 19:11

Tgt Ion: 91 Resp: 508

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

12.83

300

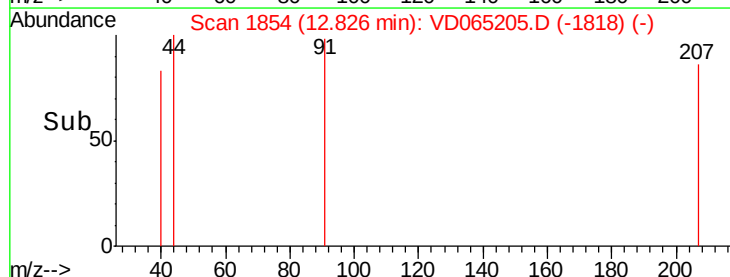
200

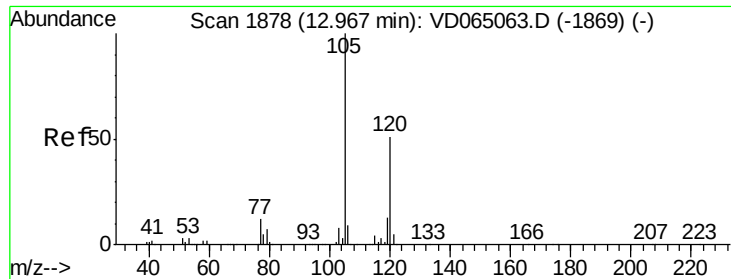
100

0

12.80 12.85

Time-->

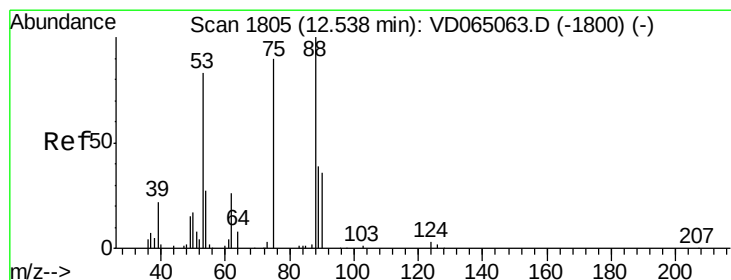
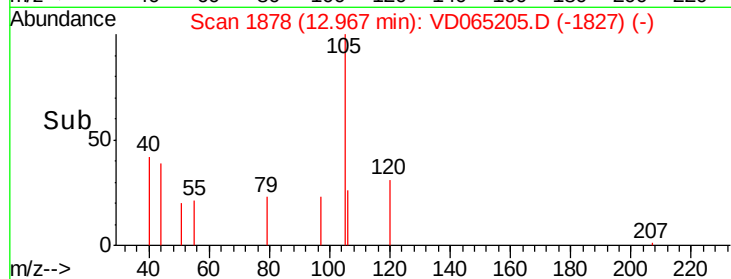
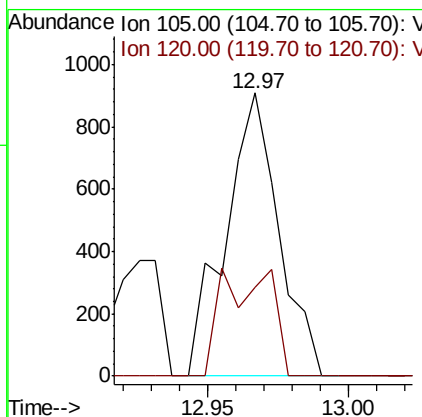
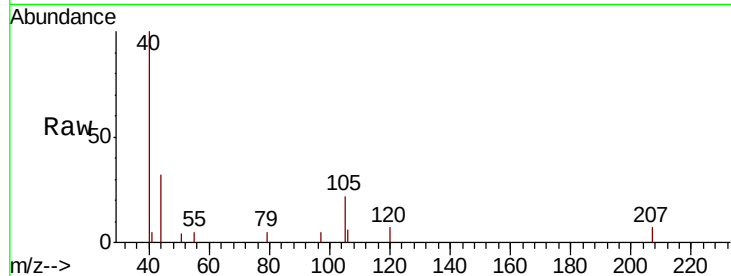




#80
 1,3,5-Trimethylbenzene
 Concen: 22.178 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

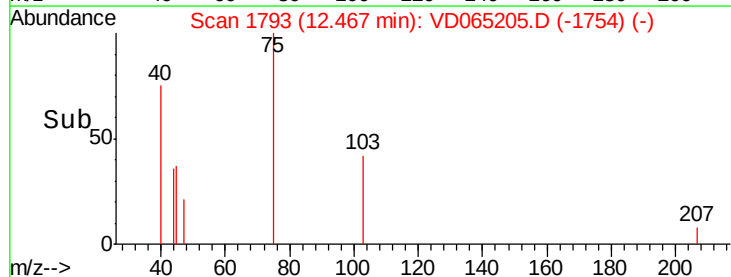
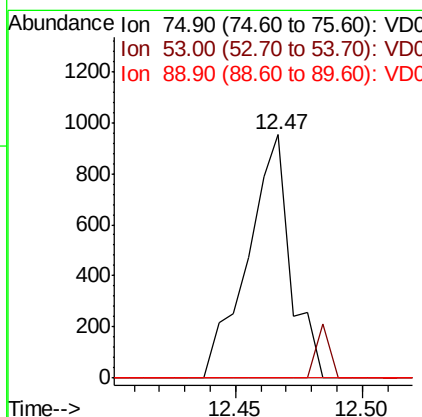
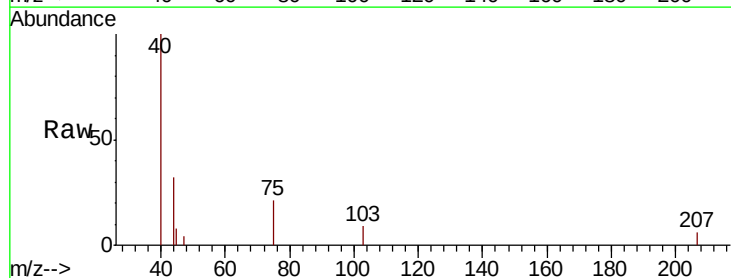
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-A

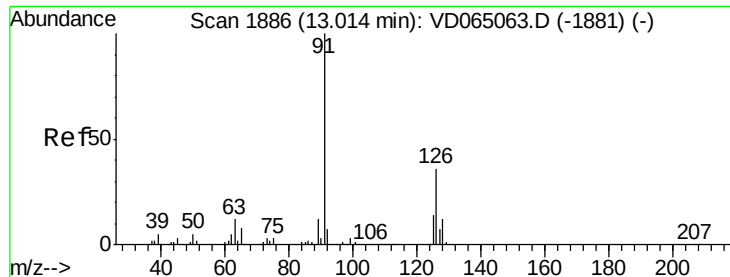
Tot Ion: 105 Resp: 1193
 Ion Ratio Lower Upper
 105 100
 120 35.2 25.1 75.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 310.201 ug/l
 RT: 12.47 min Scan# 1793
 Delta R.T. -0.07 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

Tgt Ion: 75 Resp: 1125
 Ion Ratio Lower Upper
 75 100
 53 6.7 78.5 117.7#
 89 0.0 37.0 55.4#





#82

4-Chlorotoluene

Concen: 1.575 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

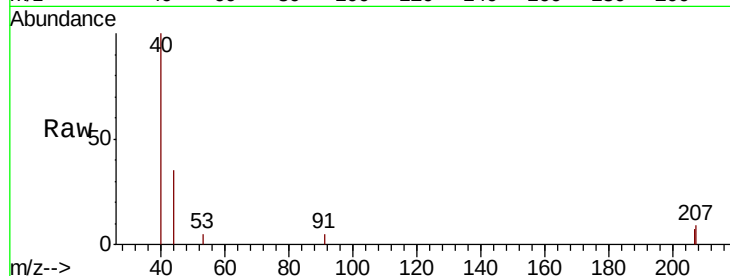
FK-SF-01-007-A

Tot Ion: 91 Resp: 71

Ion Ratio Lower Upper

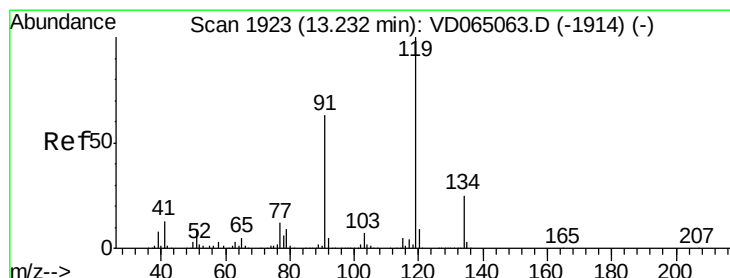
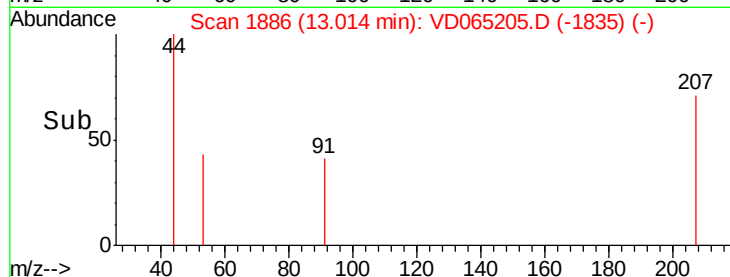
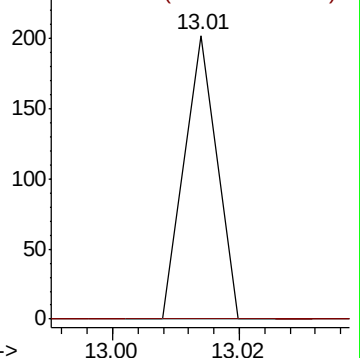
91 100

126 0.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 1.271 ug/l

RT: 13.24 min Scan# 1924

Delta R.T. 0.01 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

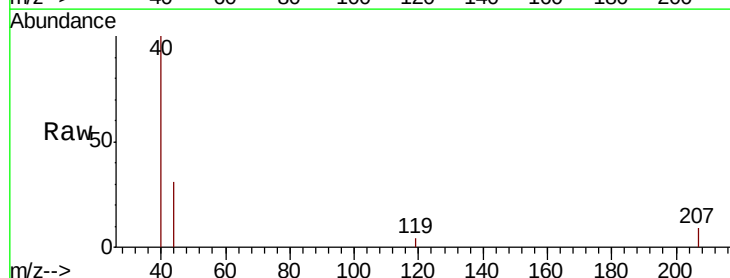
Tgt Ion: 119 Resp: 59

Ion Ratio Lower Upper

119 100

91 0.0 32.3 96.9#

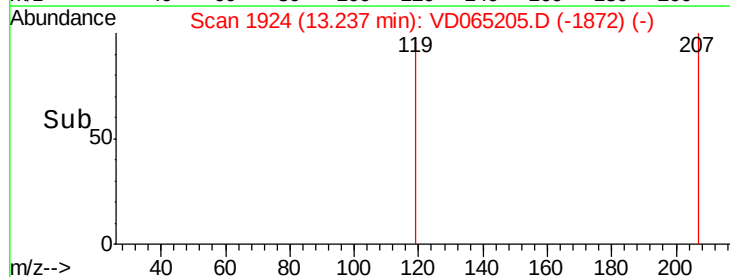
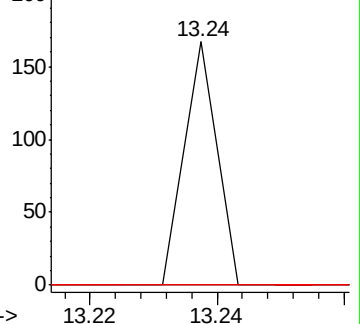
134 0.0 13.8 41.3#

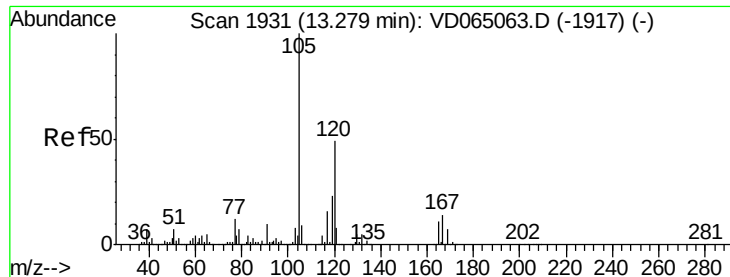


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

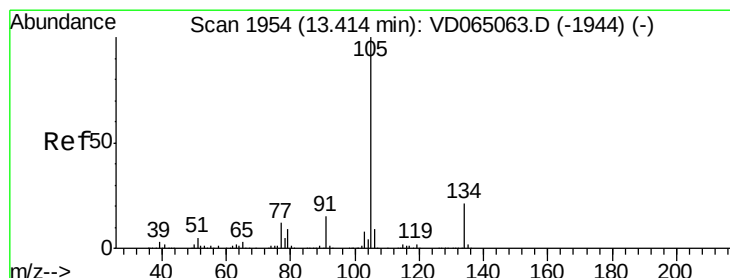
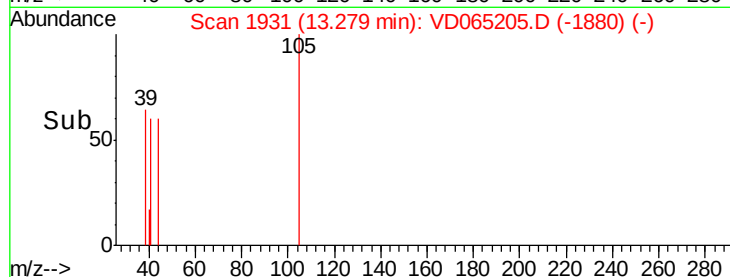
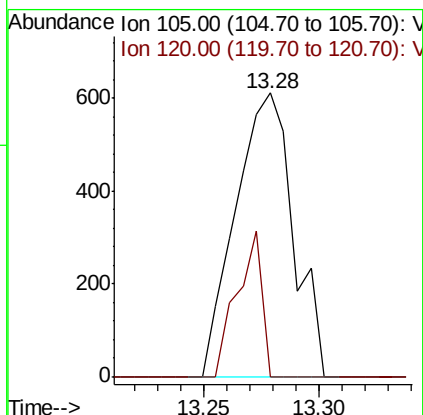
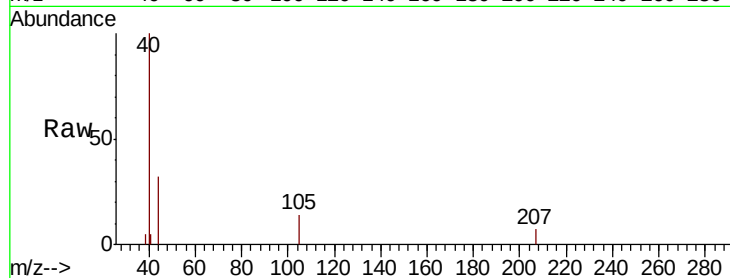




#84
 1,2,4-Trimethylbenzene
 Concen: 19.905 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

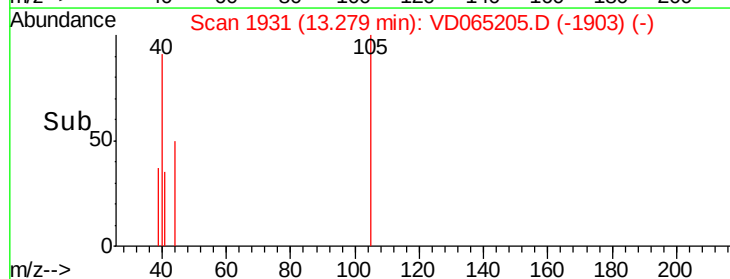
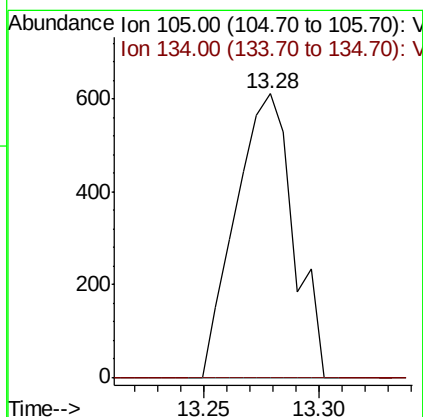
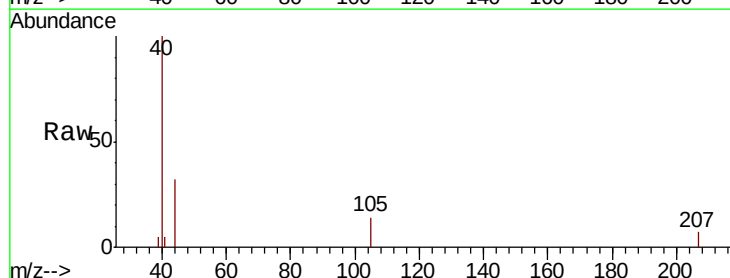
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-A

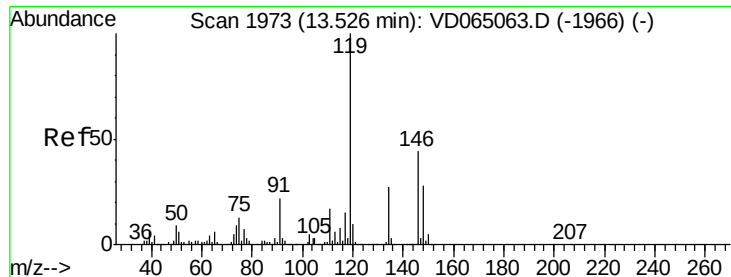
Tot Ion:105 Resp: 1063
 Ion Ratio Lower Upper
 105 100
 120 22.1 23.5 70.5#



#85
 sec-Butylbenzene
 Concen: 16.770 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.14 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

Tgt Ion:105 Resp: 1063
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#

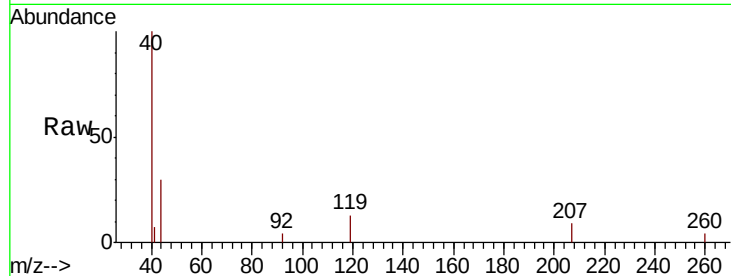




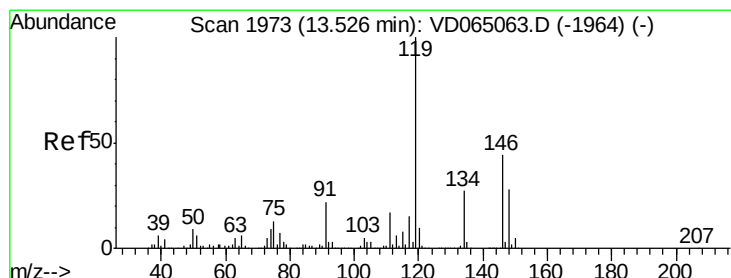
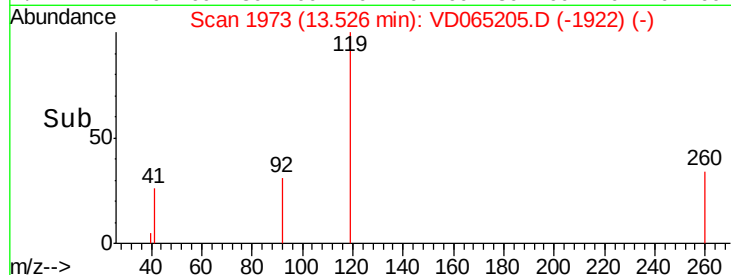
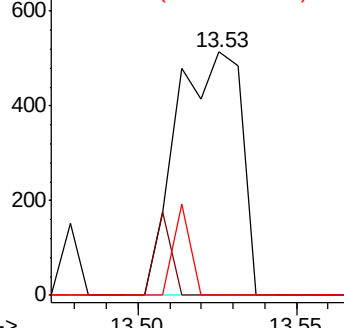
#86
 p-Isopropyltoluene
 Concen: 12.395 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	8.5	13.5	40.5#
91	9.3	11.3	33.9#

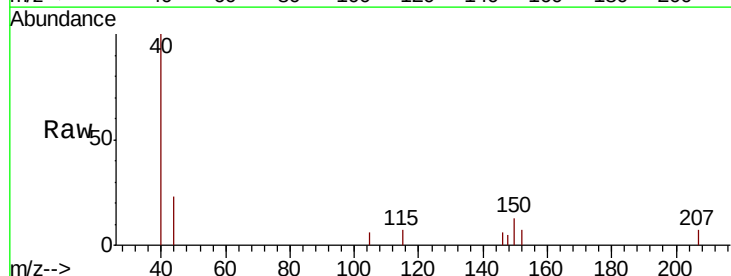


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

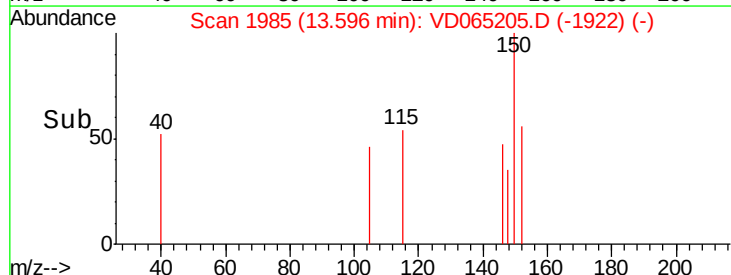
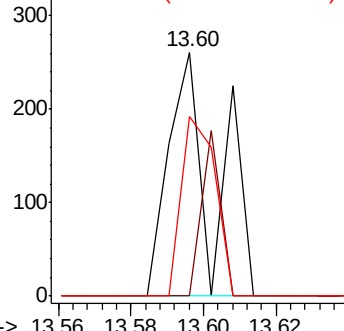


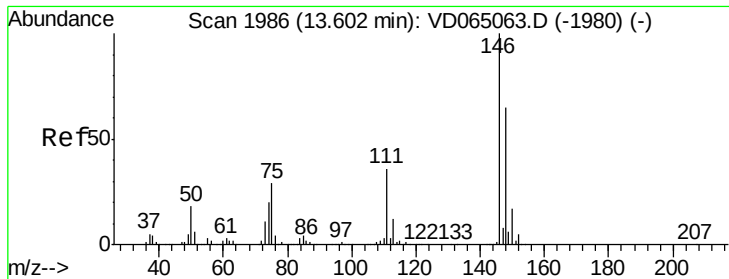
#87
 1,3-Dichlorobenzene
 Concen: 7.720 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.07 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	27.1	19.4	58.4
148	54.1	32.3	96.8



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

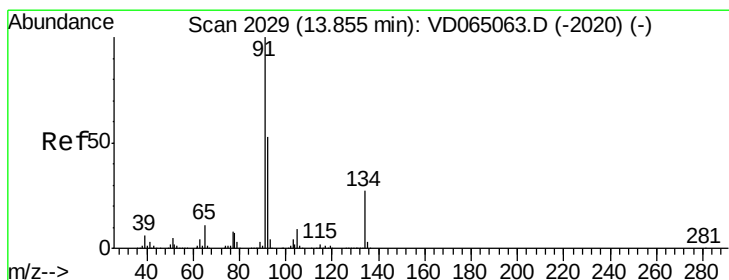
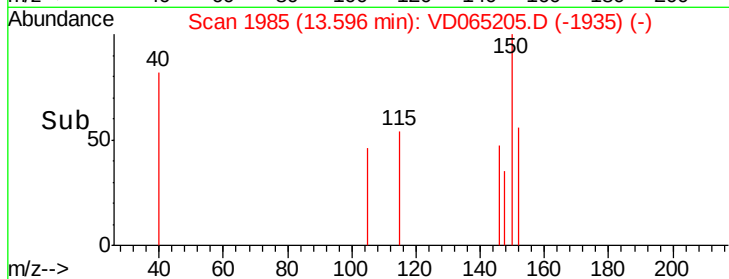
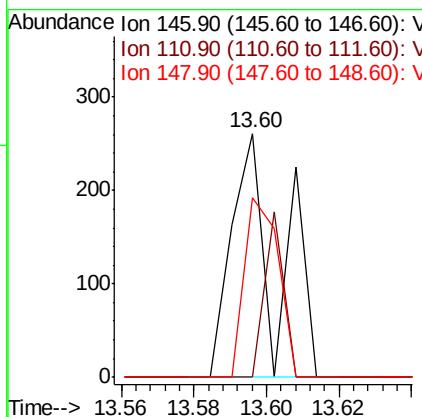
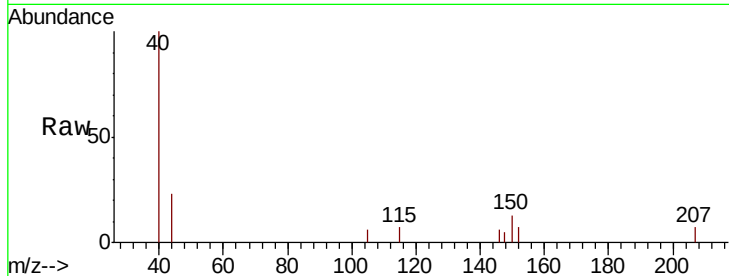




#88
 1,4-Dichlorobenzene
 Concen: 7.757 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

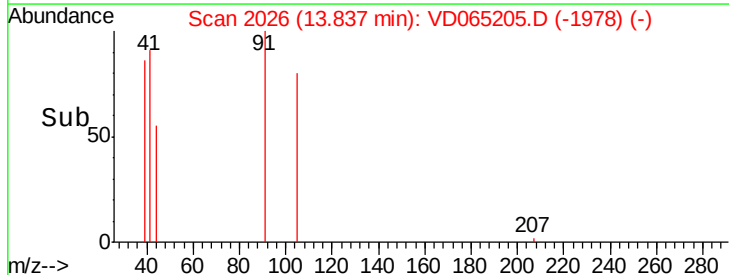
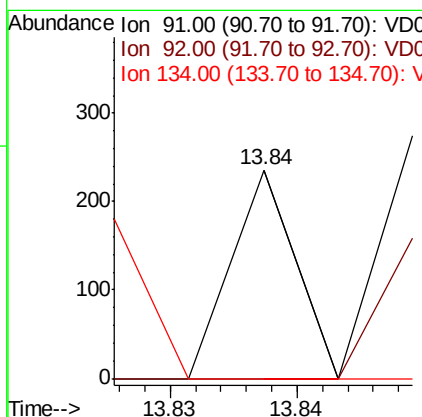
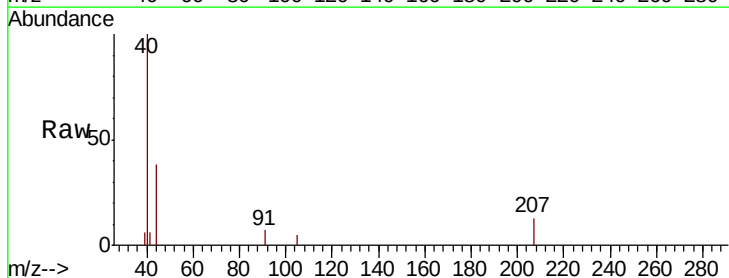
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-007-A

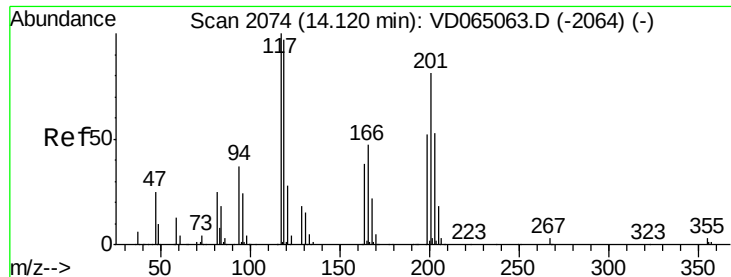
Tot Ion	Ratio	Lower	Upper
146	100		
111	27.1	18.5	55.5
148	54.1	32.7	98.1



#89
 n-Butylbenzene
 Concen: 1.527 ug/l
 RT: 13.84 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: VD065205.D
 Acq: 17 Feb 2020 19:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	208.4	26.7	80.1#
134	0.0	13.4	40.2#





#90

Hexachloroethane

Concen: 12.464 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

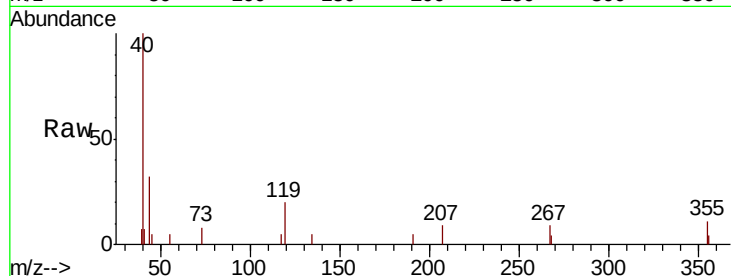
FK-SF-01-007-A

Tot Ion:117 Resp: 139

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

14.13

200

150

100

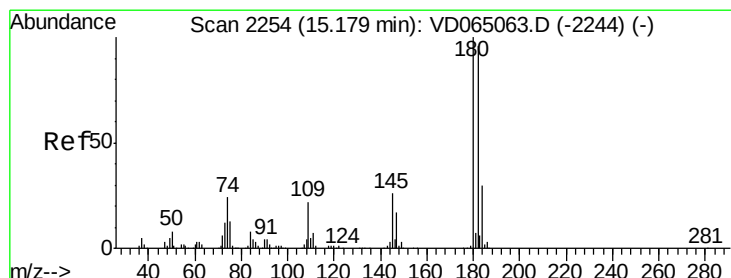
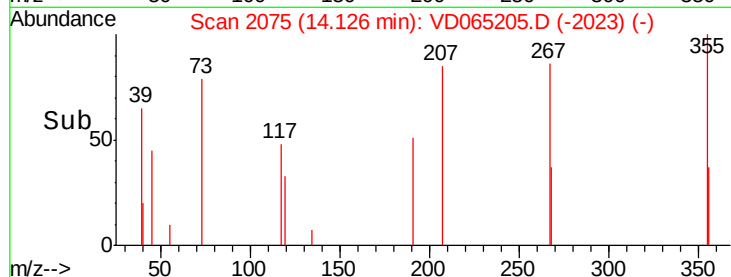
50

0

14.10

14.12

14.14



#93

1,2,4-Trichlorobenzene

Concen: 6.443 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

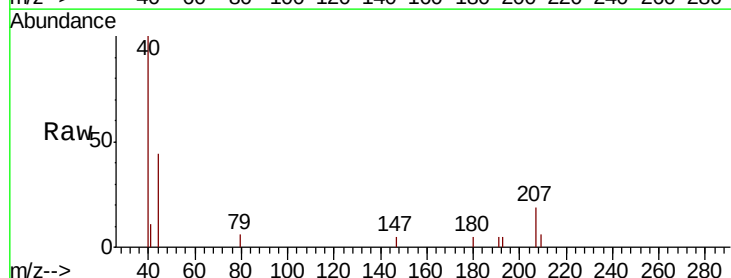
Tgt Ion:180 Resp: 117

Ion Ratio Lower Upper

180 100

182 62.4 47.4 142.3

145 0.0 14.1 42.4#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

15.17

200

150

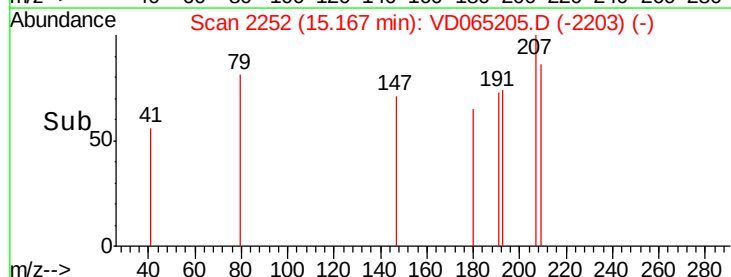
100

50

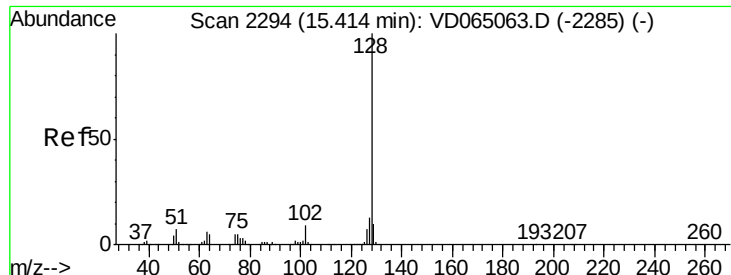
0

15.16

15.18



Time-->



#95

Naphthalene

Concen: 110.698 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065205.D

Acq: 17 Feb 2020 19:11

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-007-A

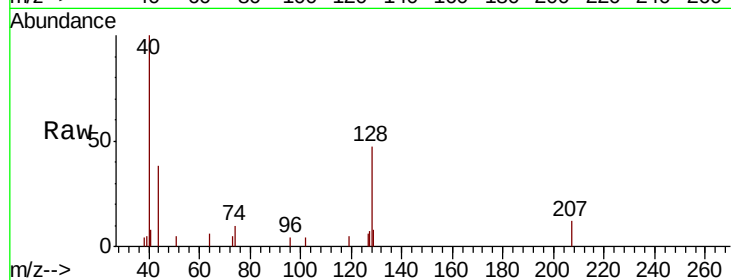
Tot Ion:128 Resp: 3341

Ion Ratio Lower Upper

128 100

127 19.3 10.6 15.8#

129 17.9 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

