

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059977.D
 Acq On : 17 Aug 2018 17:09
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 8/20/2018 11:47:07 AM

Quant Time: Aug 17 23:50:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	135828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	186715	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	195917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133546	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	12185	4.61	ug/l	0.01
Spiked Amount			Recovery	=	9.22%	
35) Dibromofluoromethane	4.31	113	9822	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	
50) Toluene-d8	7.72	98	20846	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	
62) 4-Bromofluorobenzene	11.51	95	13776	5.33	ug/l	0.00
Spiked Amount			Recovery	=	10.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	12778	5.55	ug/l	99
3) Chloromethane	1.07	50	7729	6.52	ug/l #	76
4) Vinyl Chloride	1.12	62	7043	5.18	ug/l #	81
5) Bromomethane	1.32	94	8977	6.75	ug/l	98
6) Chloroethane	1.39	64	4011	5.65	ug/l #	86
7) Trichlorofluoromethane	1.49	101	22438	6.10	ug/l	98
8) Diethyl Ether	1.71	74	2906	4.95	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	10649	5.77	ug/l	97
10) Methyl Iodide	1.94	142	12000	5.10	ug/l	93
11) Tert butyl alcohol	2.68	59	3554	21.81	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	7039	5.51	ug/l #	87
13) Acrolein	2.10	56	1515	17.60	ug/l	97
14) Allyl chloride	2.19	41	13490	6.22	ug/l	99
15) Acrylonitrile	3.08	53	6873	25.39	ug/l #	80
16) Acetone	2.34	43	24588	28.90	ug/l	94
17) Carbon Disulfide	1.84	76	22837	5.61	ug/l	95
18) Methyl Acetate	2.45	43	11525	6.82	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	21453	4.97	ug/l	99
20) Methylene Chloride	2.29	84	14557	8.11	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	7854	5.77	ug/l #	86
22) Diisopropyl ether	2.93	45	23909	5.11	ug/l #	97
23) Vinyl Acetate	3.34	43	39581	20.64	ug/l #	94
24) 1,1-Dichloroethane	3.01	63	16267	5.28	ug/l	97
25) 2-Butanone	4.52	43	17837	26.80	ug/l	93
26) 2,2-Dichloropropane	3.77	77	11861	4.41	ug/l #	82
27) cis-1,2-Dichloroethene	3.65	96	6016	4.84	ug/l	90
28) Bromochloromethane	3.88	49	4404	5.01	ug/l	94
29) Tetrahydrofuran	4.27	42	6300	26.50	ug/l #	92
30) Chloroform	4.05	83	18082	5.15	ug/l	86
31) Cyclohexane	3.86	56	7952	5.74	ug/l #	92
32) 1,1,1-Trichloroethane	4.29	97	17562	5.13	ug/l #	85
36) 1,1-Dichloropropene	4.48	75	12627	5.99	ug/l #	83
37) Ethyl Acetate	4.29	43	5817	4.68	ug/l #	52
38) Carbon Tetrachloride	4.17	117	15992	5.28	ug/l #	86

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 ALS Vial : 31 Sample Multiplier: 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	8650	5.42	ug/l	86
40) Benzene	4.82	78	19618	5.47	ug/l	95
41) Methacrylonitrile	4.94	41	3031	5.15	ug/l #	76
42) 1,2-Dichloroethane	5.13	62	16279	5.24	ug/l	89
43) Isopropyl Acetate	7.12	43	6604	4.88	ug/l #	85
44) Trichloroethene	5.69	130	7699	5.50	ug/l	92
45) 1,2-Dichloropropane	6.41	63	5257	5.14	ug/l	91
46) Dibromomethane	6.26	93	5109	4.93	ug/l	92
47) Bromodichloromethane	6.55	83	13831	5.05	ug/l	94
48) Methyl methacrylate	6.89	41	4655	4.61	ug/l	97
49) 1,4-Dioxane	6.88	88	391	48.39	ug/l #	48
51) 4-Methyl-2-Pentanone	8.42	43	31376	24.81	ug/l	98
52) Toluene	7.79	92	15153	5.61	ug/l	83
53) t-1,3-Dichloropropene	8.44	75	11820	5.08	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	11608	5.18	ug/l #	93
55) 1,1,2-Trichloroethane	8.64	97	5643	5.10	ug/l #	84
56) Ethyl methacrylate	8.77	69	5168	4.01	ug/l #	82
57) 1,3-Dichloropropane	9.01	76	10329	5.25	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.72	63	122	1.15	ug/l	100
59) 2-Hexanone	9.64	43	26710	25.42	ug/l	94
60) Dibromochloromethane	8.87	129	9410	4.70	ug/l	100
61) 1,2-Dibromoethane	9.15	107	7068	5.06	ug/l	83
64) Tetrachloroethene	8.31	164	8788	5.98	ug/l	93
65) Chlorobenzene	9.96	112	21872	5.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	9470	5.39	ug/l	88
67) Ethyl Benzene	10.04	91	37110	5.41	ug/l	97
68) m/p-Xylenes	10.27	106	26801	11.22	ug/l	74
69) o-Xylene	10.83	106	11721	4.77	ug/l	82
70) Styrene	10.91	104	20466	5.23	ug/l	94
71) Bromoform	10.89	173	6039	4.57	ug/l	93
73) Isopropylbenzene	11.24	105	39840	4.99	ug/l	92
74) N-amyl acetate	11.47	43	10517	4.45	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	8811	5.41	ug/l	87
76) 1,2,3-Trichloropropane	11.89	75	7310	5.02	ug/l	90
77) Bromobenzene	11.60	156	12271	5.45	ug/l	93
78) n-propylbenzene	11.69	91	57345	5.78	ug/l	96
79) 2-Chlorotoluene	11.82	91	34226	5.63	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	38907	5.38	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	3095m	4.12	ug/l	
82) 4-Chlorotoluene	12.00	91	34908	5.28	ug/l	97
83) tert-Butylbenzene	12.22	119	38374	5.37	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	41578	5.48	ug/l	96
85) sec-Butylbenzene	12.39	105	51907	5.55	ug/l	98
86) p-Isopropyltoluene	12.55	119	44710	5.41	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	24969	5.86	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	22648	5.43	ug/l	95
89) n-Butylbenzene	12.92	91	43422	5.43	ug/l	90
90) Hexachloroethane	13.00	117	10005	5.38	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	23616	5.76	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	1933	4.21	ug/l	94

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 ClientSampleId :
 VSTDICC005

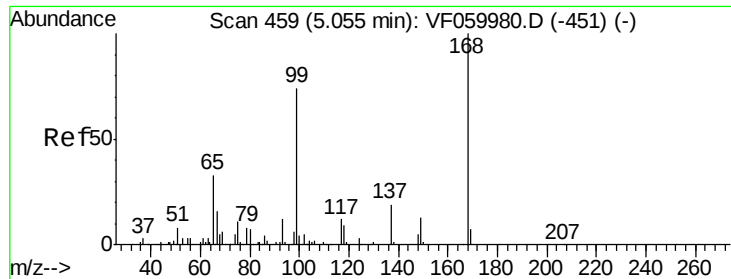
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	17732	5.33	ug/l	86
94) Hexachlorobutadiene	14.26	225	11608	5.29	ug/l	91
95) Naphthalene	14.53	128	20273	4.19	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.68	180	16503	5.14	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 135828

Ion Ratio Lower Upper

168 100

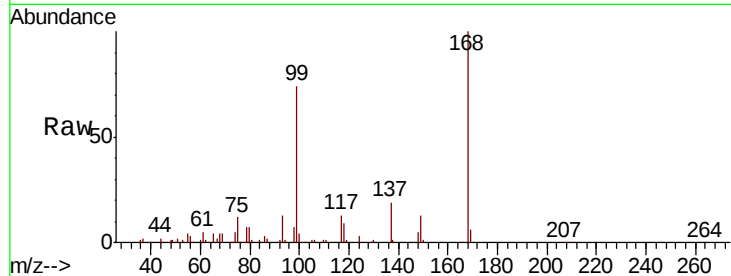
99 74.1 59.0 88.6

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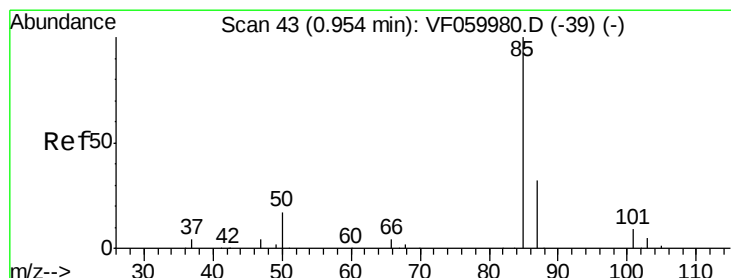
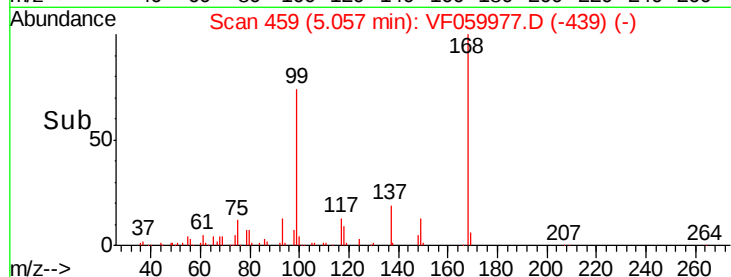


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

Time-->



#2

Dichlorodifluoromethane

Concen: 5.55 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF059977.D

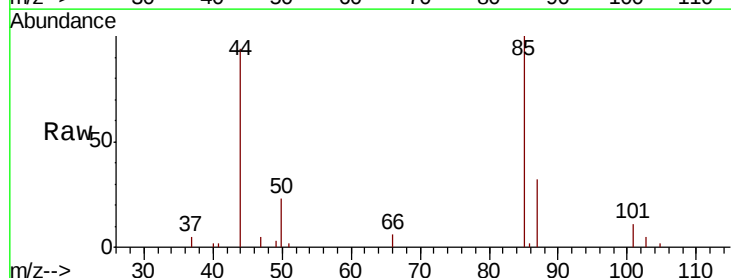
Acq: 17 Aug 2018 17:09

Tgt Ion: 85 Resp: 12778

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7

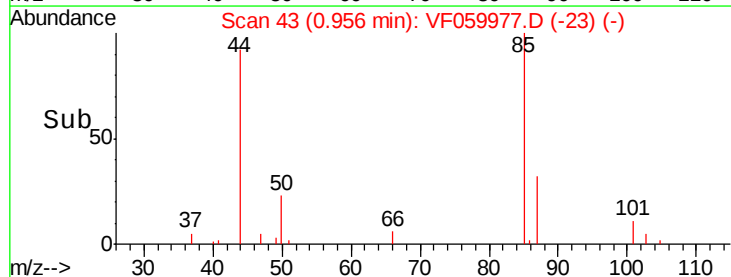


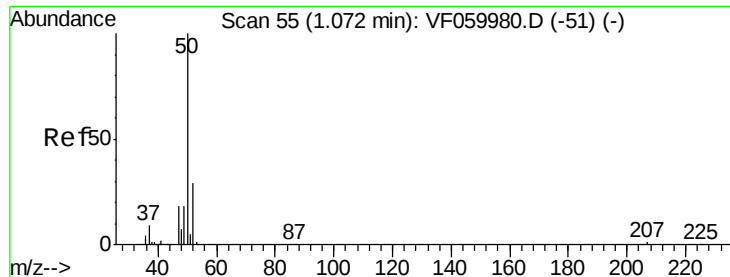
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

Time-->





#3

Chloromethane

Concen: 6.52 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 7729

Ion Ratio Lower Upper

50 100

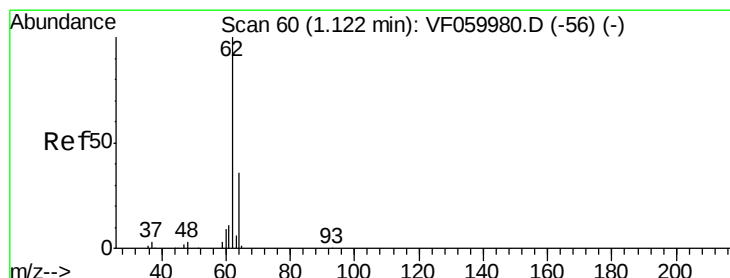
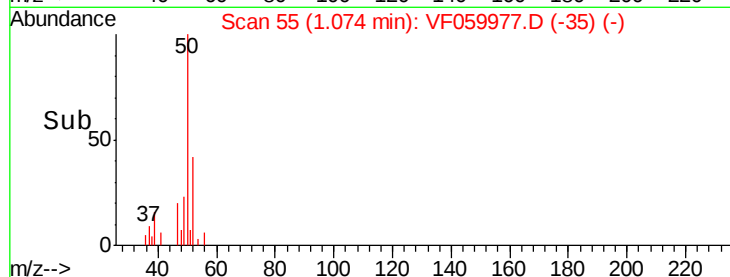
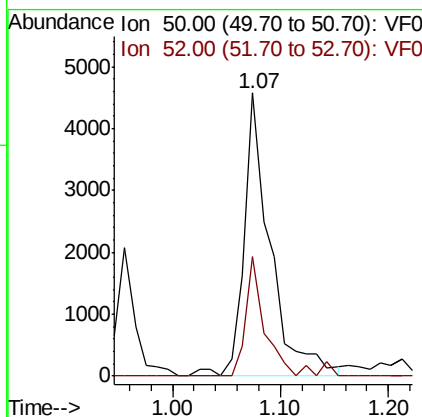
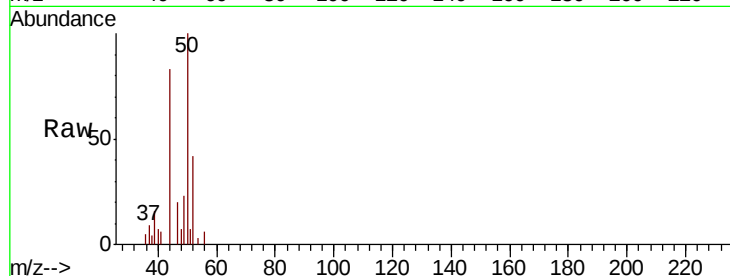
52 42.4 23.6 35.4#

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#4

Vinyl Chloride

Concen: 5.18 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059977.D

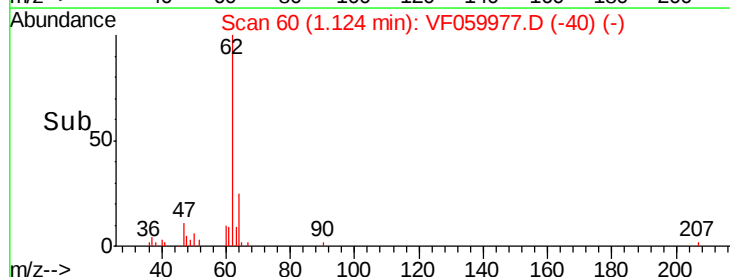
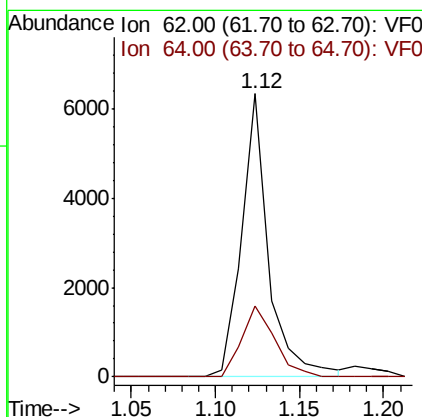
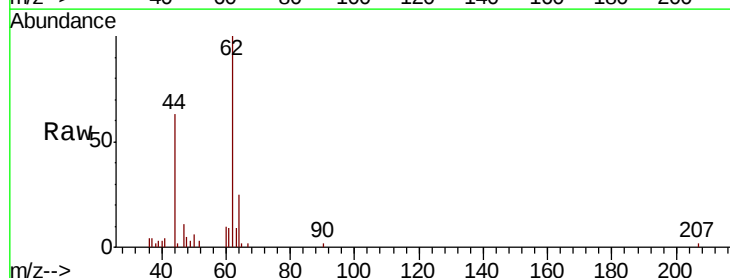
Acq: 17 Aug 2018 17:09

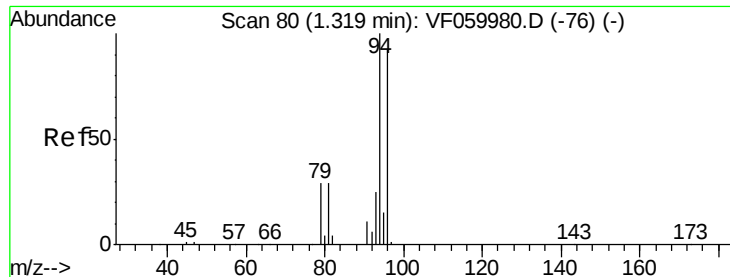
Tgt Ion: 62 Resp: 7043

Ion Ratio Lower Upper

62 100

64 24.9 28.7 43.1#





#5

Bromomethane

Concen: 6.75 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8977

Ion Ratio Lower Upper

94 100

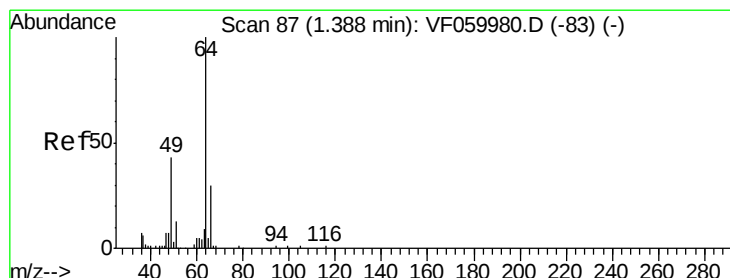
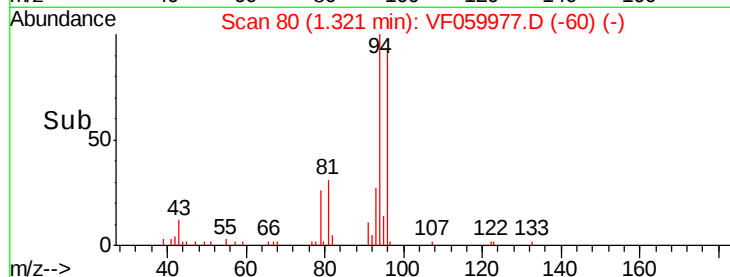
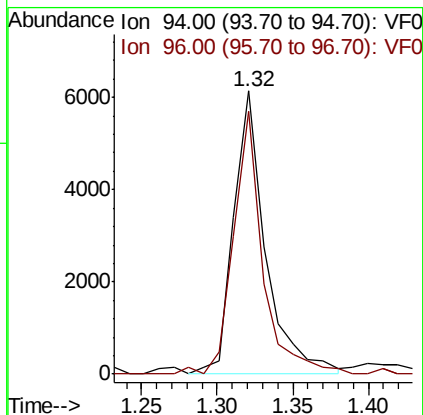
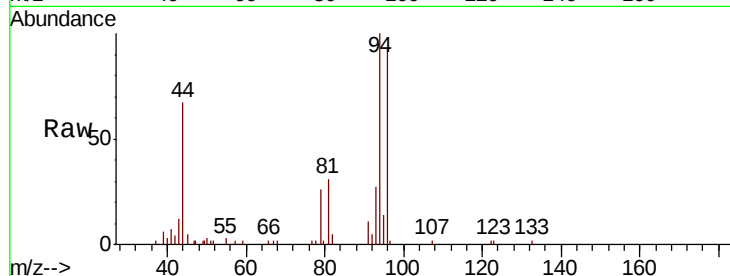
96 94.7 73.9 110.9

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#6

Chloroethane

Concen: 5.65 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059977.D

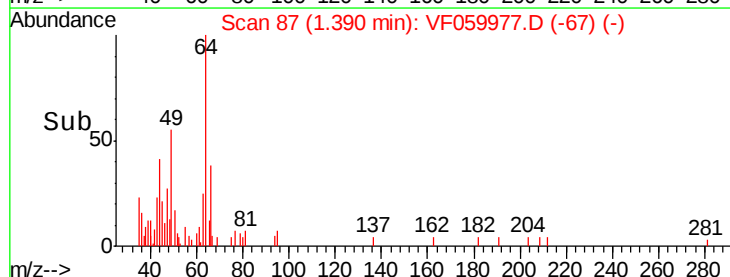
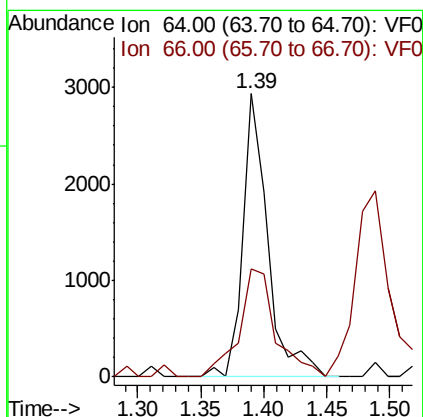
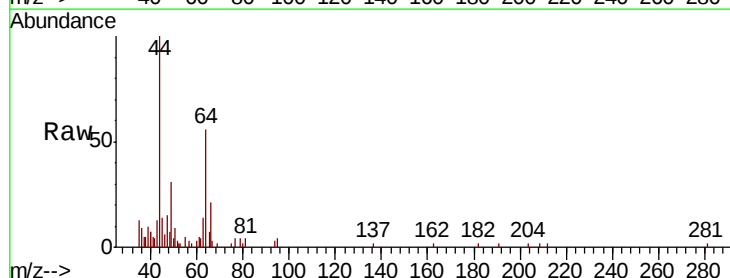
Acq: 17 Aug 2018 17:09

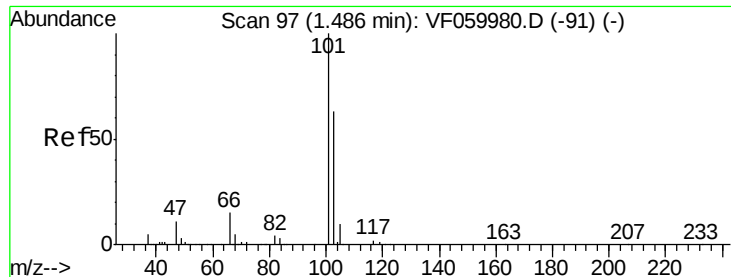
Tgt Ion: 64 Resp: 4011

Ion Ratio Lower Upper

64 100

66 38.1 24.4 36.6#





#7

Trichlorofluoromethane

Concen: 6.10 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 22438

Ion Ratio Lower Upper

101 100

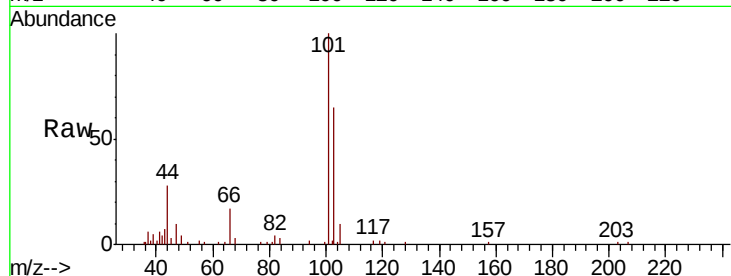
103 64.9 50.8 76.2

Manual Integrations

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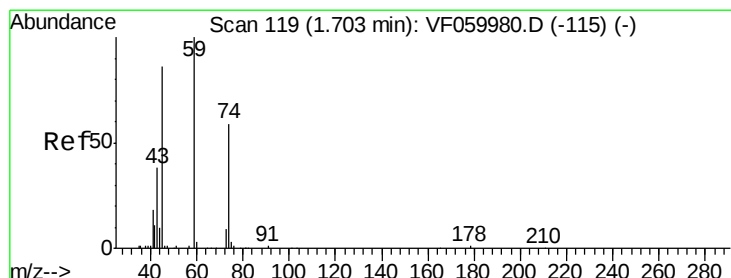
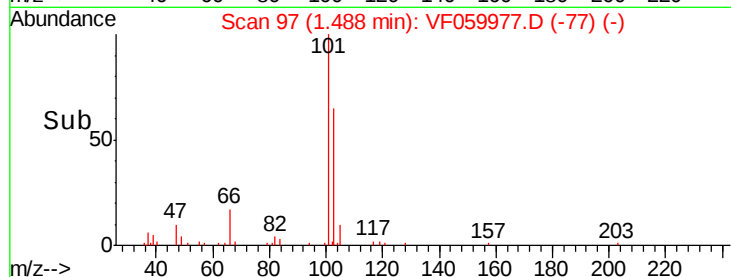
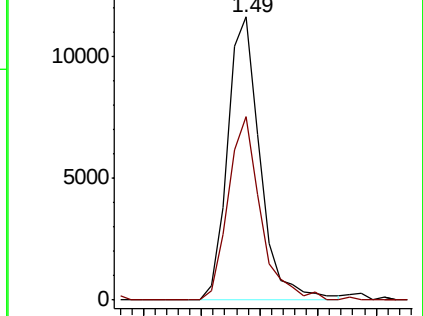
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 4.95 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059977.D

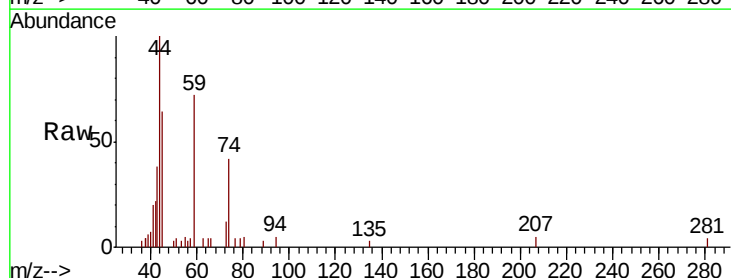
Acq: 17 Aug 2018 17:09

Tgt Ion: 74 Resp: 2906

Ion Ratio Lower Upper

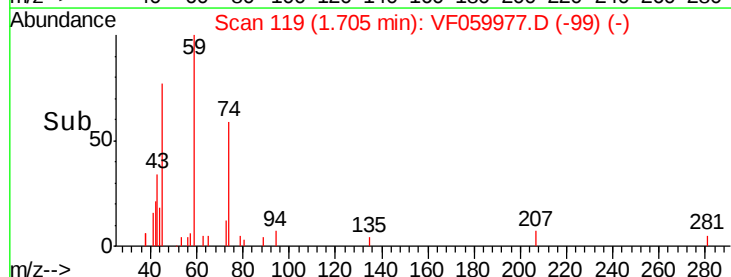
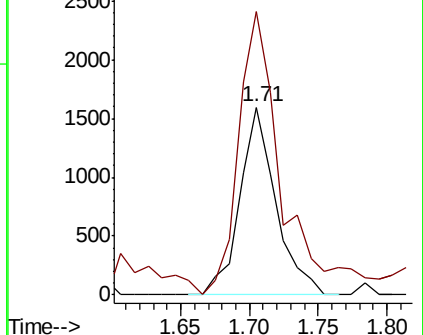
74 100

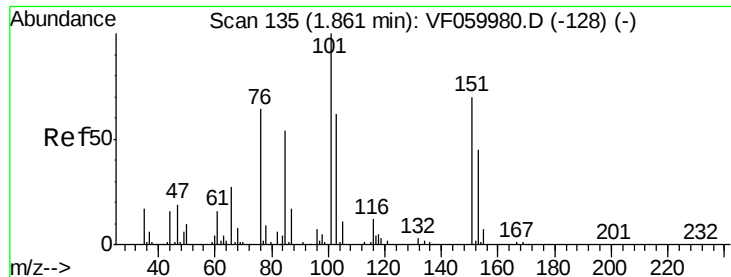
45 150.9 73.5 220.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.77 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF059977.D

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MSVOA_F

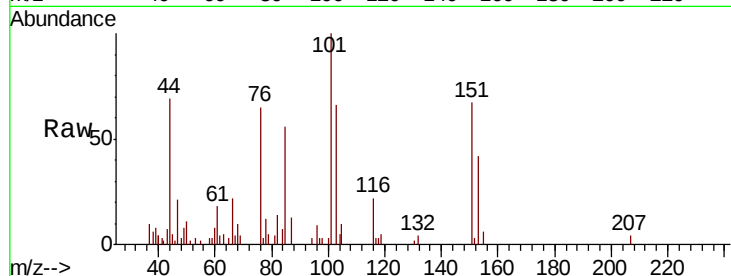
ClientSampleId :

VSTDIC005

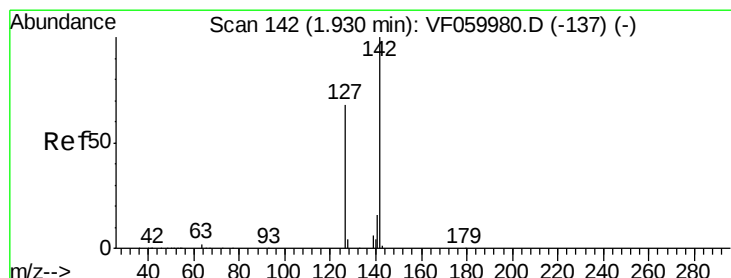
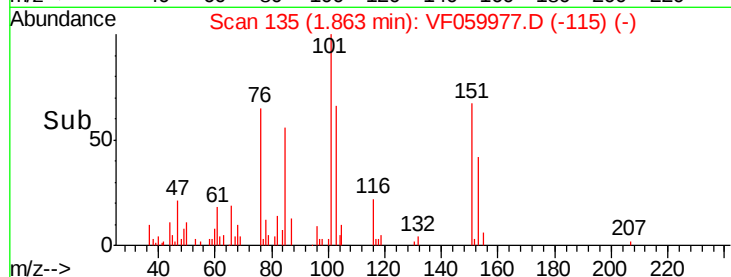
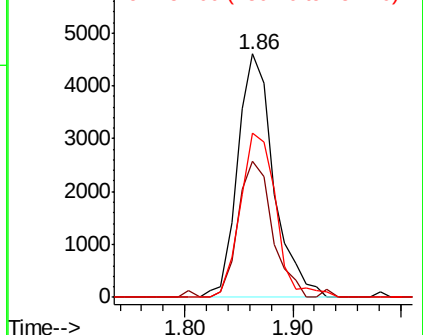
Tot Ion:	101	Resp:	10649
Ion Ratio	Lower	Upper	
101	100		
85	56.1	43.0	64.6
151	67.3	56.2	84.2

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 5.10 ug/l

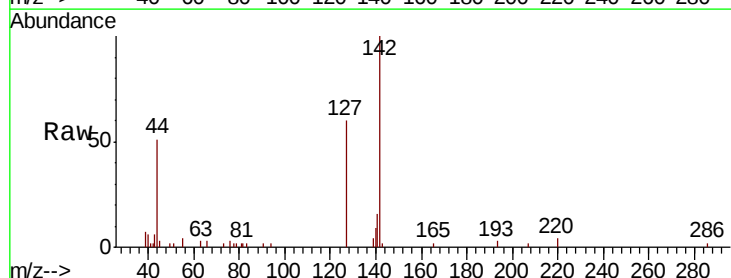
RT: 1.94 min Scan# 143

Delta R.T. 0.01 min

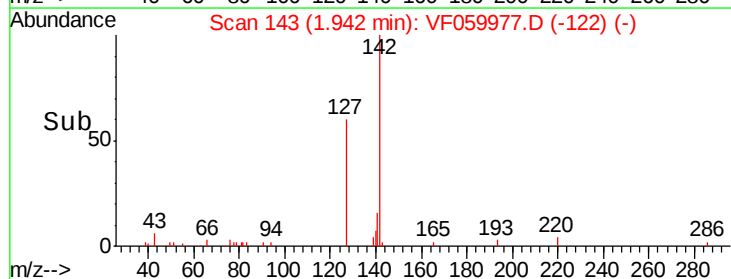
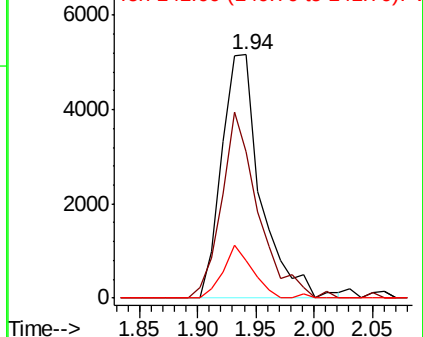
Lab File: VF059977.D

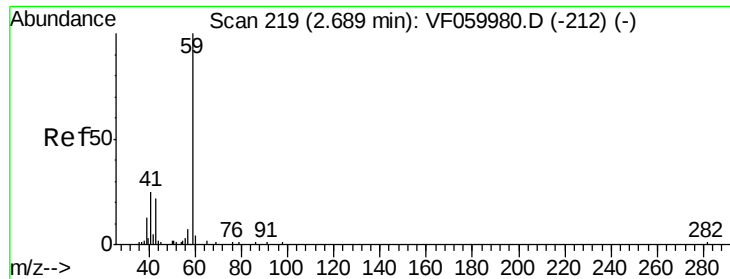
Acq: 17 Aug 2018 17:09

Tgt Ion:	142	Resp:	12000
Ion Ratio	Lower	Upper	
142	100		
127	60.3	54.1	81.1
141	15.5	12.5	18.7



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





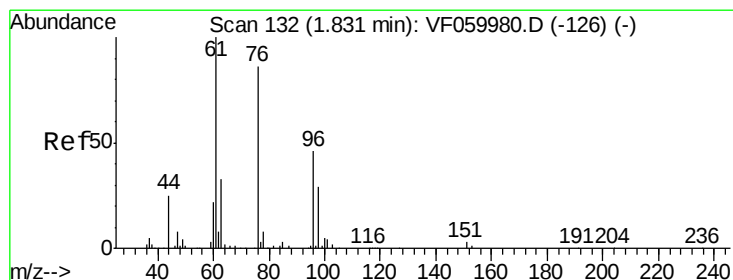
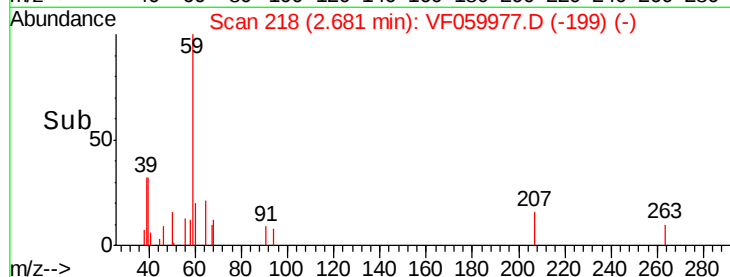
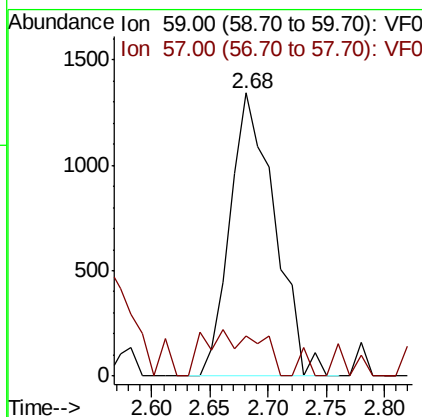
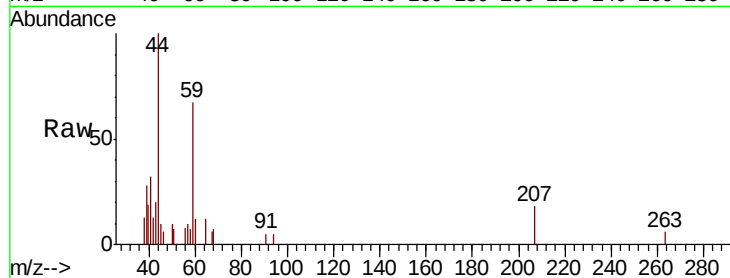
#11
Tert butyl alcohol
Concen: 21.81 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 3554
Ion Ratio Lower Upper
59 100
57 14.2 6.8 10.2#

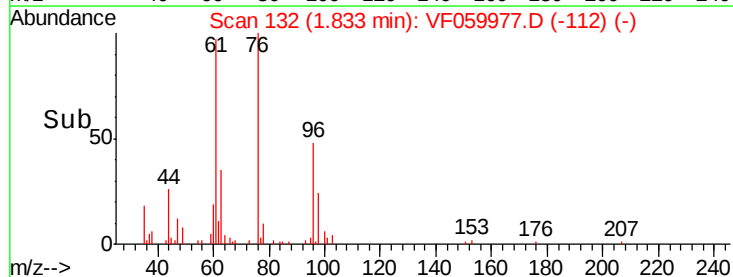
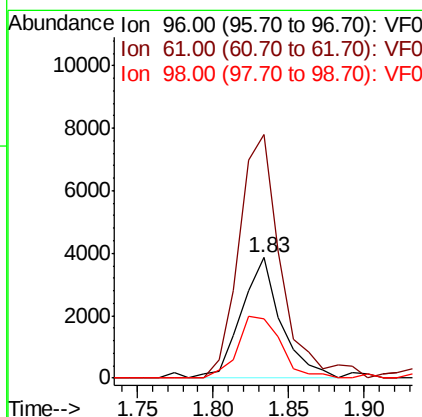
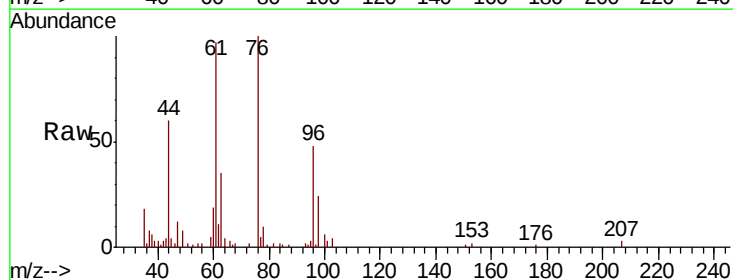
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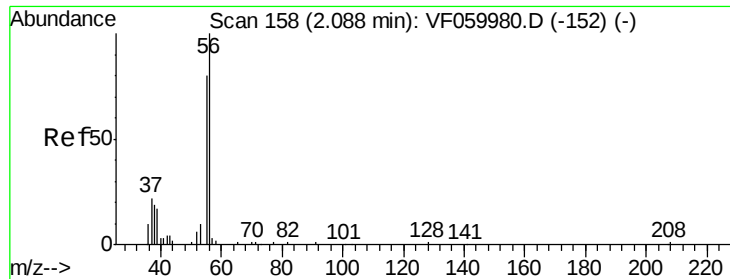
apatel
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#12
1,1-Dichloroethene
Concen: 5.51 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 96 Resp: 7039
Ion Ratio Lower Upper
96 100
61 201.8 175.6 263.4
98 48.8 50.6 75.8#





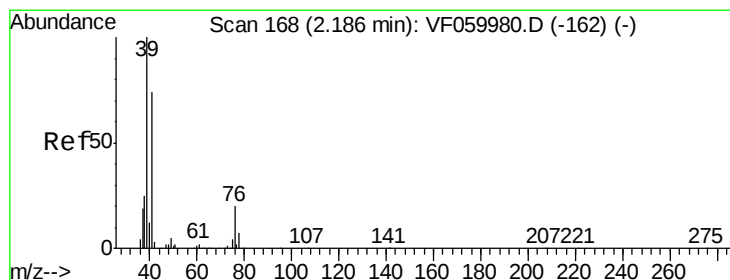
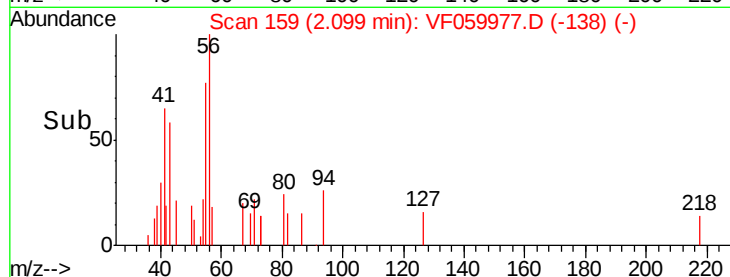
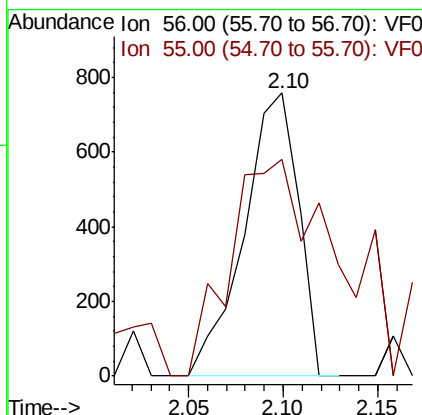
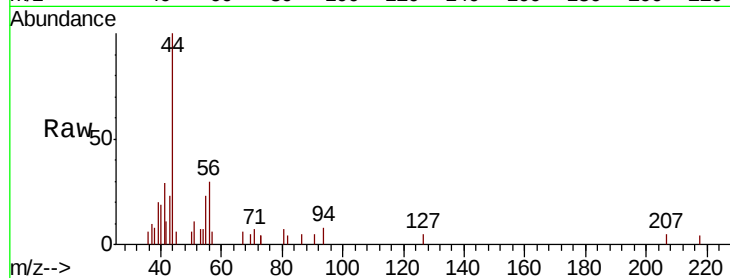
#13
Acrolein
Concen: 17.60 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.6	63.8	95.6

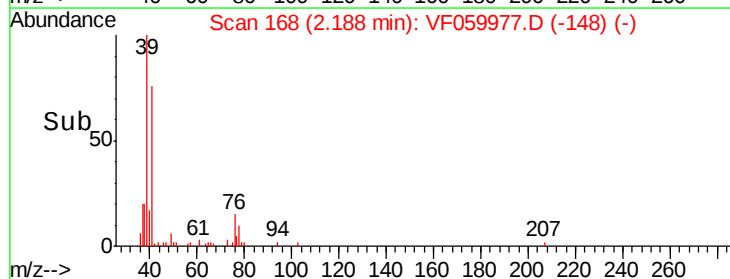
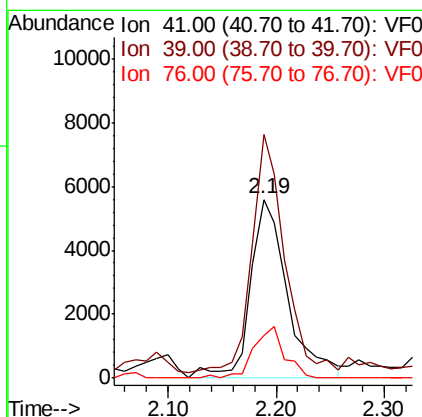
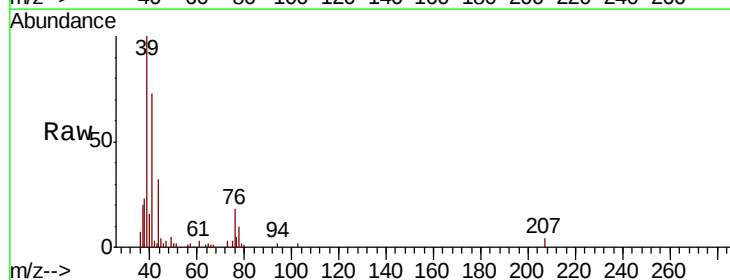
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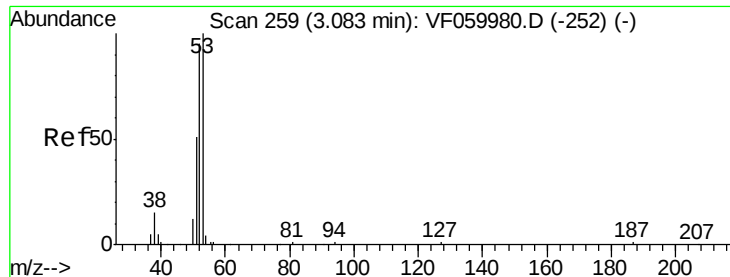
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#14
Allyl chloride
Concen: 6.22 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
41	100		
39	136.5	109.3	163.9
76	23.9	21.3	31.9





#15

Acrylonitrile

Concen: 25.39 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

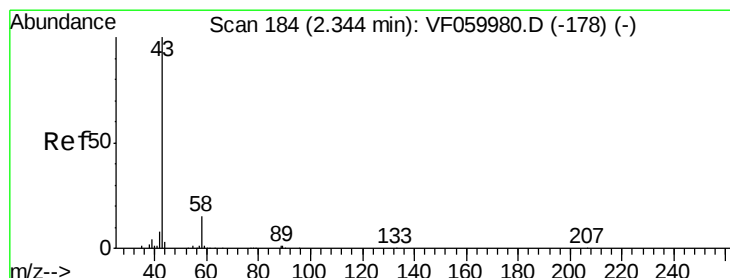
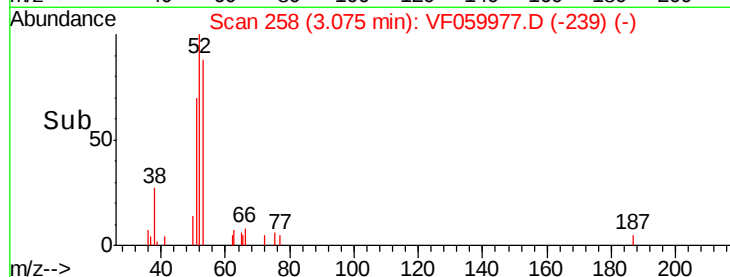
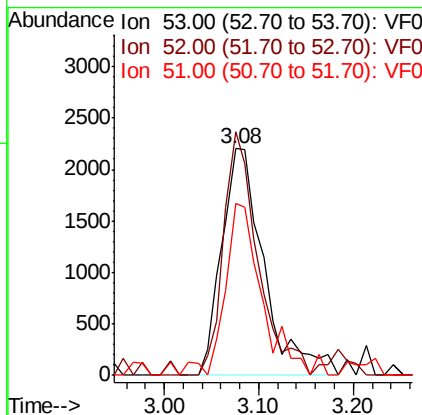
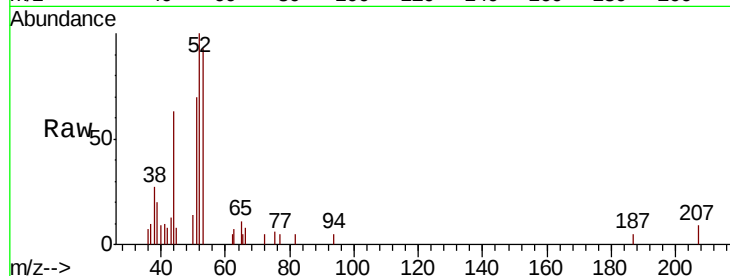
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	6873
Ion	Ratio	Lower	Upper
53	100		
52	107.4	76.0	114.0
51	75.7	41.9	62.9#

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#16

Acetone

Concen: 28.90 ug/l

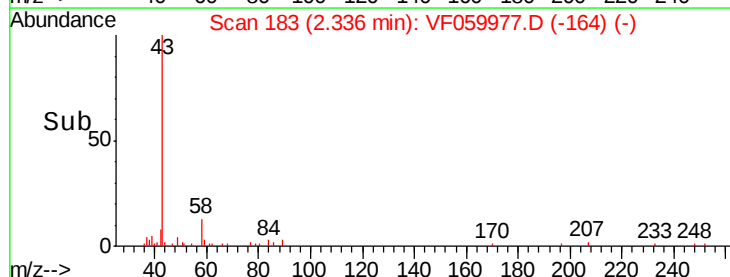
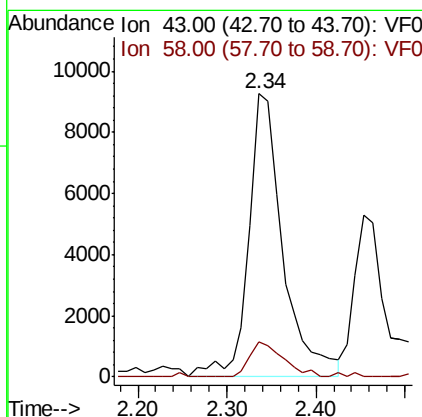
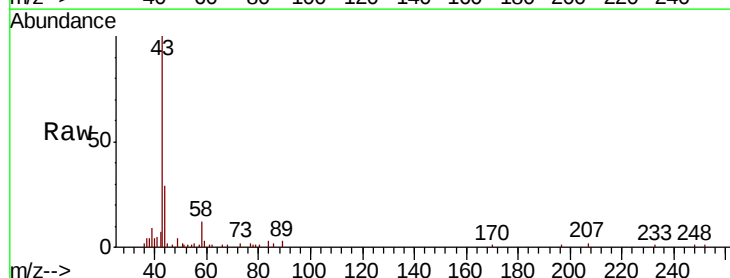
RT: 2.34 min Scan# 183

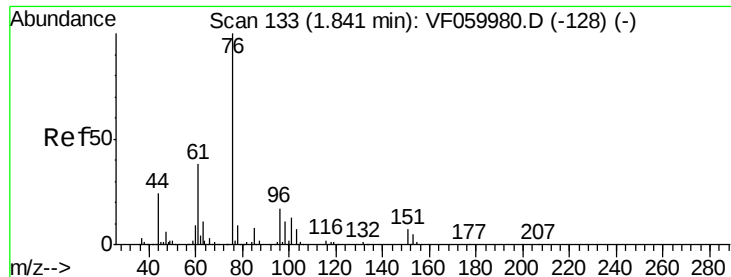
Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	43	Resp:	24588
Ion	Ratio	Lower	Upper
43	100		
58	12.4	11.9	17.9





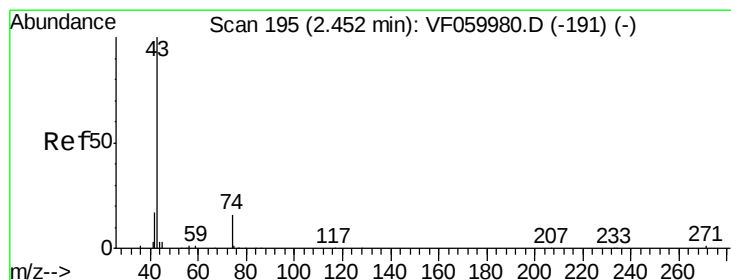
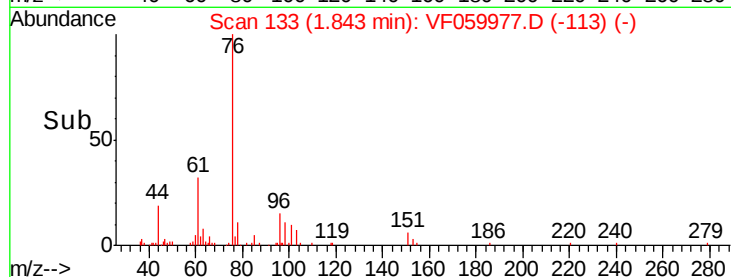
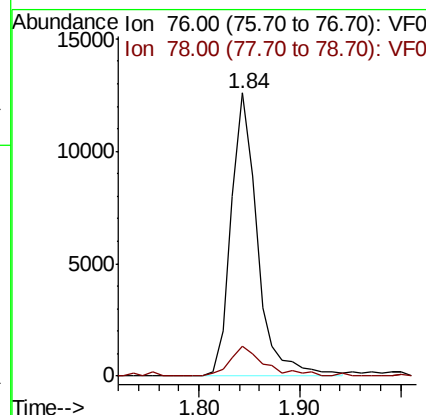
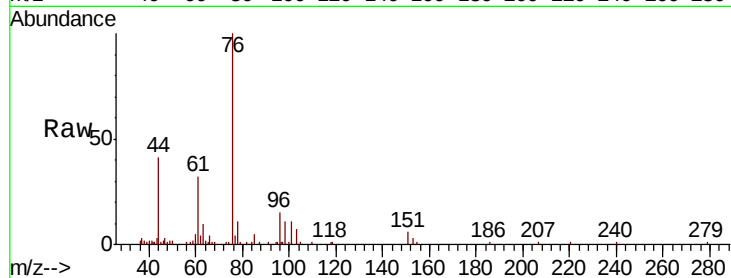
#17
Carbon Disulfide
Concen: 5.61 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.2	10.8

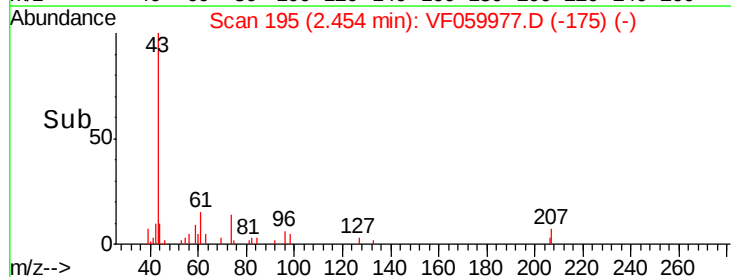
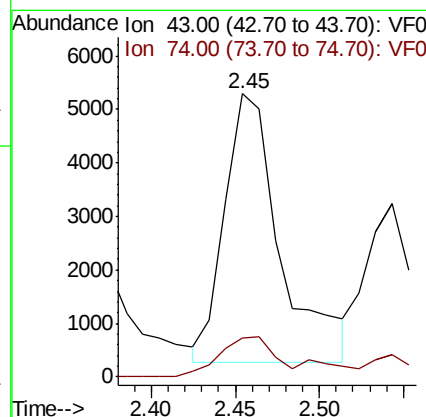
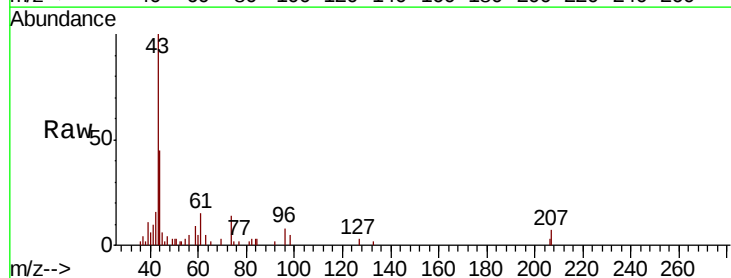
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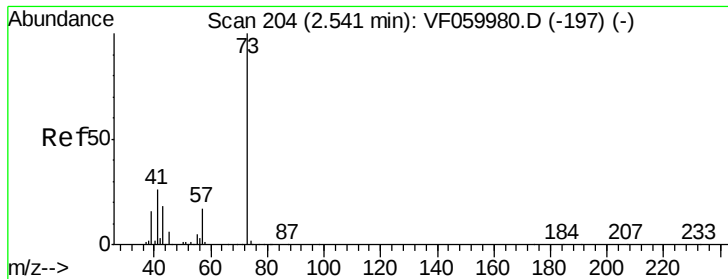
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#18
Methyl Acetate
Concen: 6.82 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.6	12.3	18.5





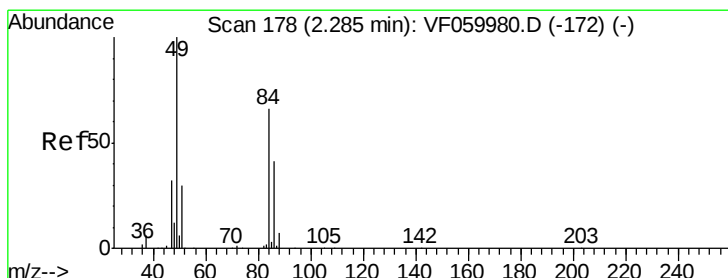
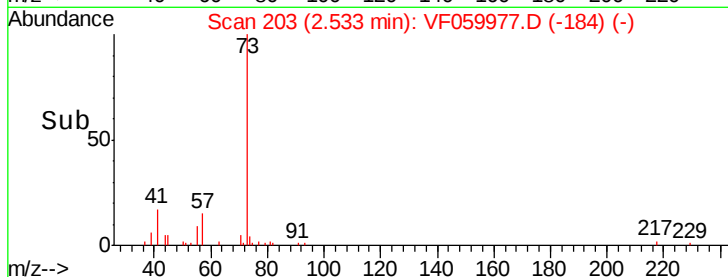
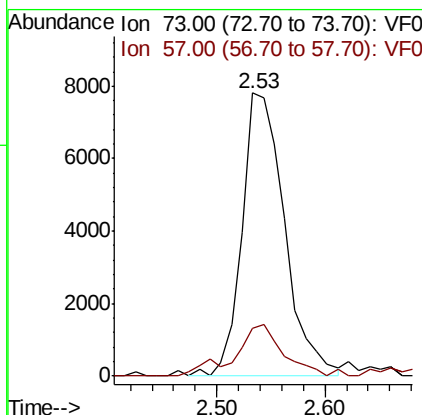
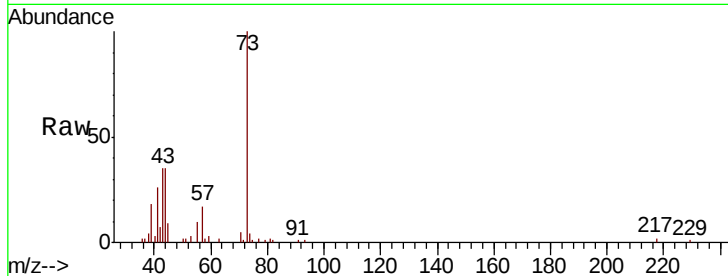
#19
Methvl tert-butvl Ether
Concen: 4.97 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.1	14.2	21.2

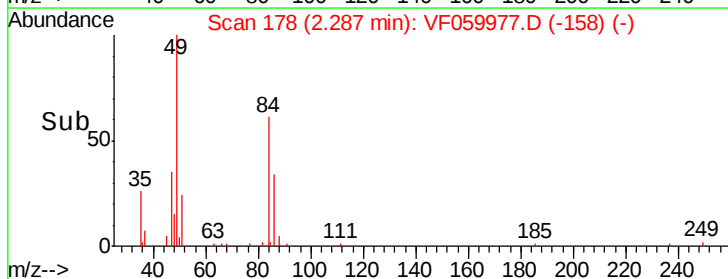
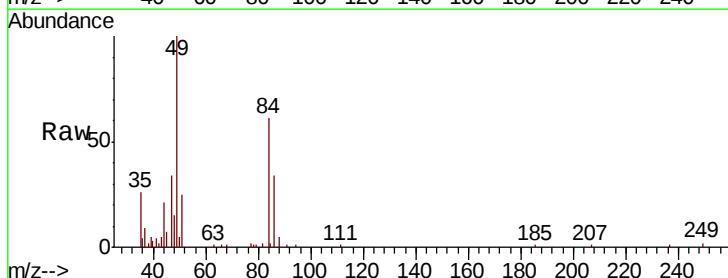
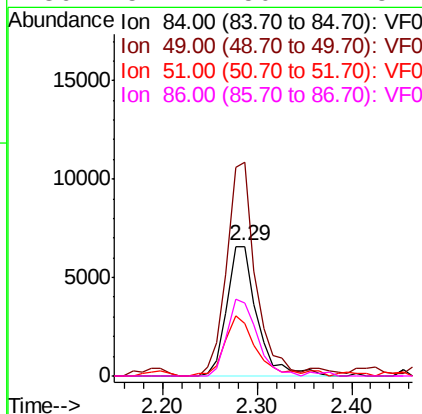
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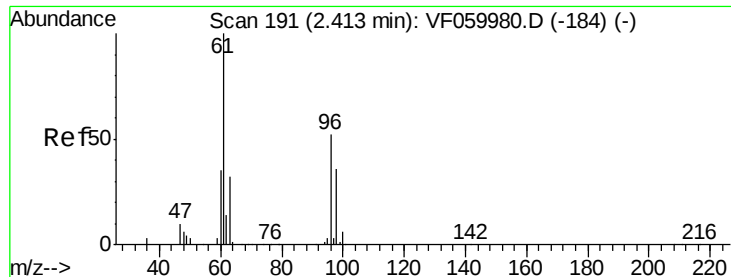
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#20
Methylene Chloride
Concen: 8.11 ug/l
RT: 2.29 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.5	122.5	183.7
51	39.9	37.1	55.7
86	54.4	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 5.77 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

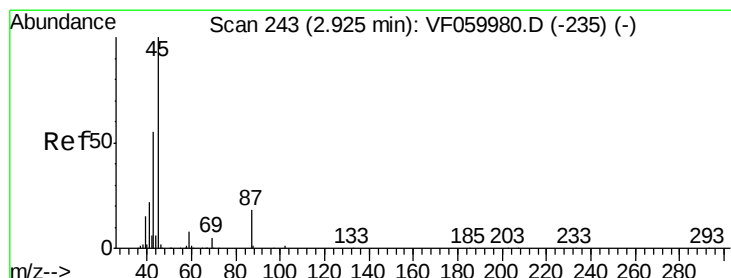
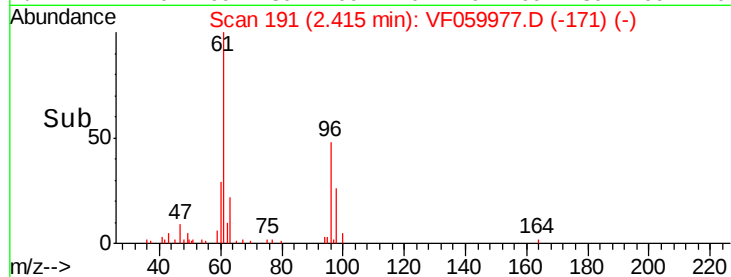
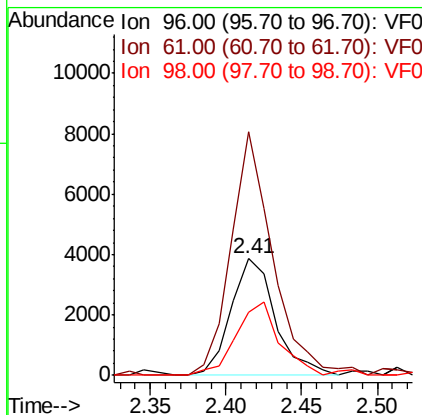
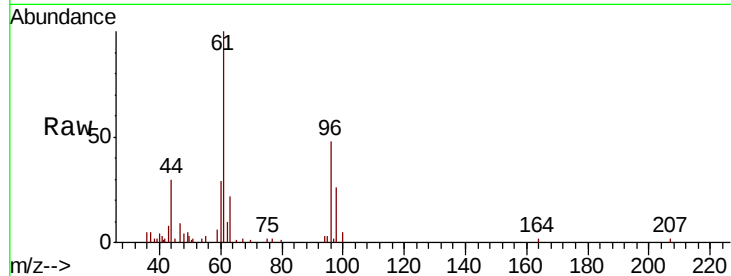
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	7854
Ion	Ratio	Lower	Upper
96	100		
61	209.3	153.0	229.4
98	54.4	55.5	83.3#

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#22

Diisopropyl ether

Concen: 5.11 ug/l

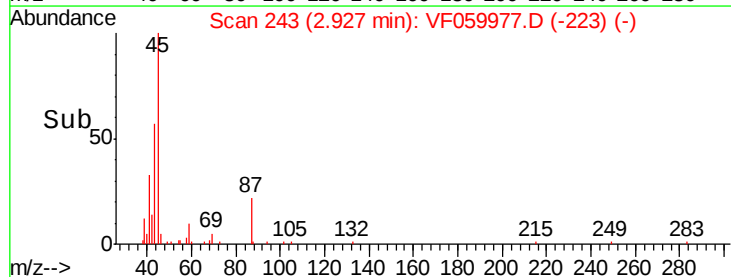
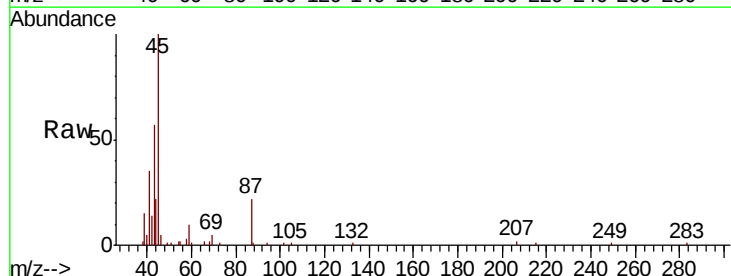
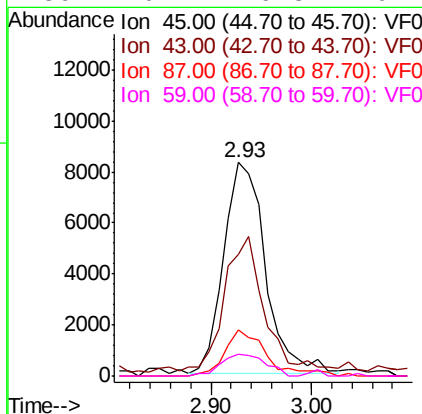
RT: 2.93 min Scan# 243

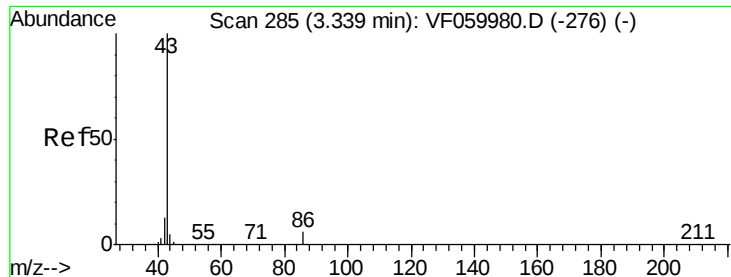
Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	45	Resp:	23909
Ion	Ratio	Lower	Upper
45	100		
43	56.9	44.8	67.2
87	21.6	14.6	21.8
59	10.4	6.8	10.2#





#23

Vinyl Acetate

Concen: 20.64 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 39581

Ion Ratio Lower Upper

43 100

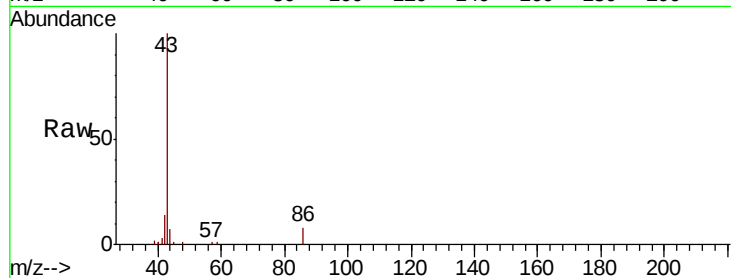
86 7.5 4.4 6.6#

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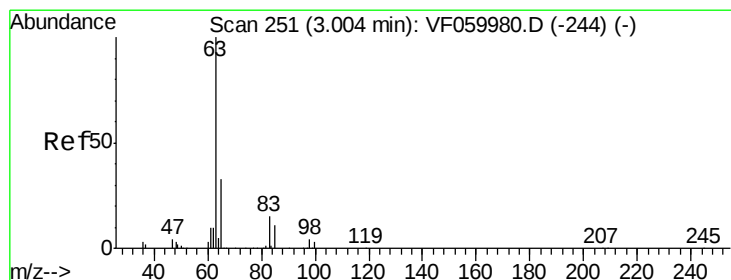
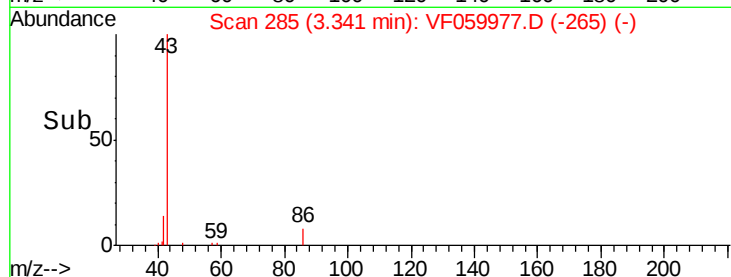
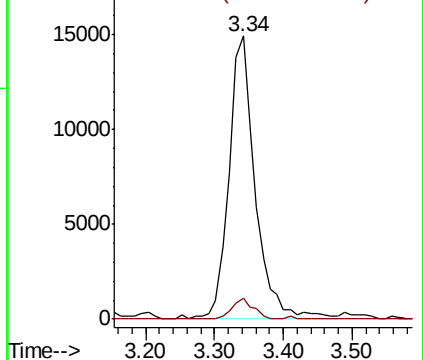
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 5.28 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

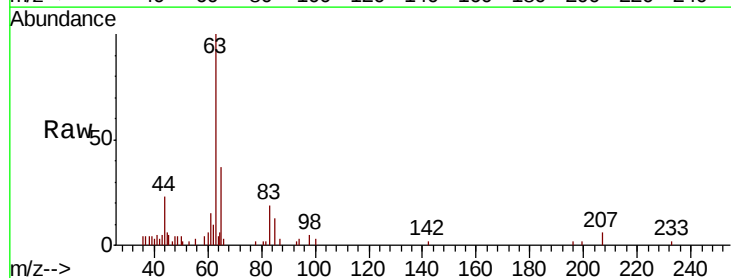
Tgt Ion: 63 Resp: 16267

Ion Ratio Lower Upper

63 100

98 5.3 2.0 5.8

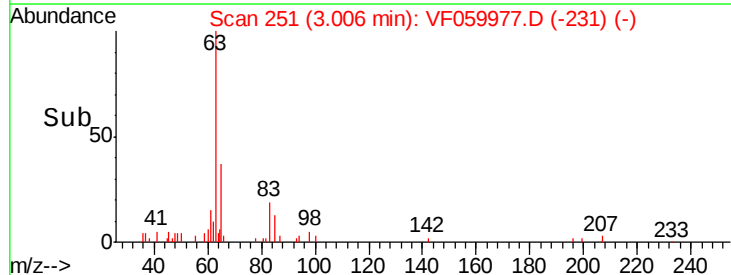
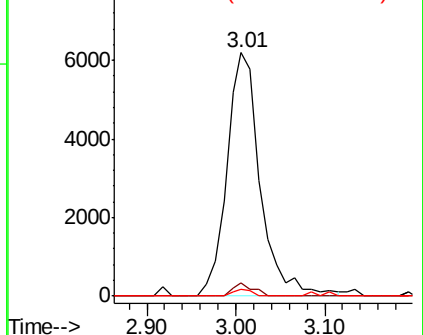
100 2.7 1.4 4.2

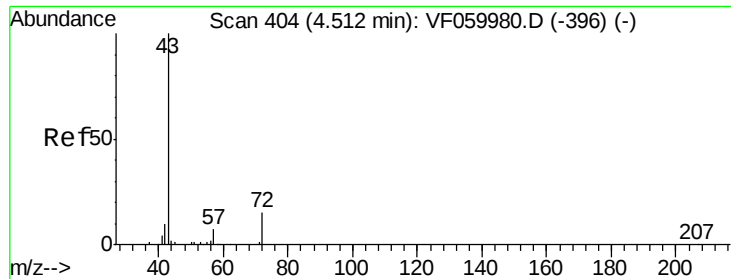


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 26.80 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tot Ion: 43 Resp: 17837

Ion Ratio Lower Upper

43 100

72 18.4 12.5 18.7

Instrument :

MSVOA_F

ClientSampleId :

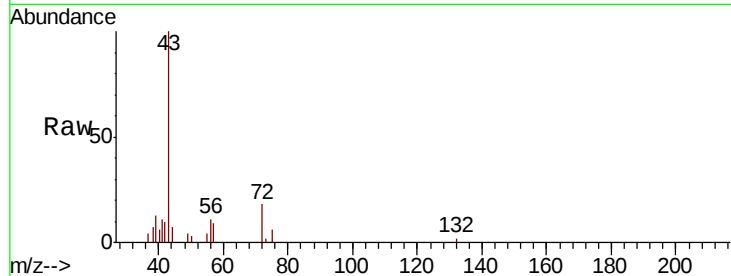
VSTDIC005

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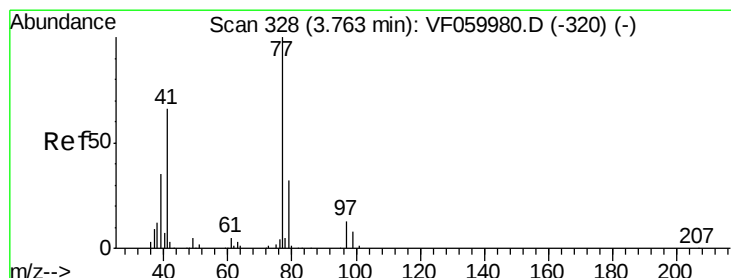
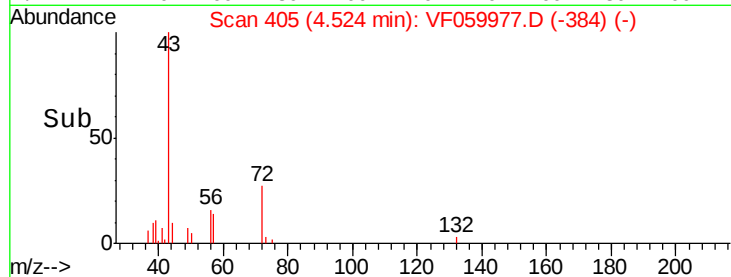
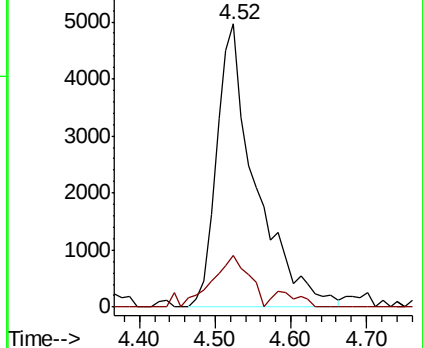
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 4.41 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF059977.D

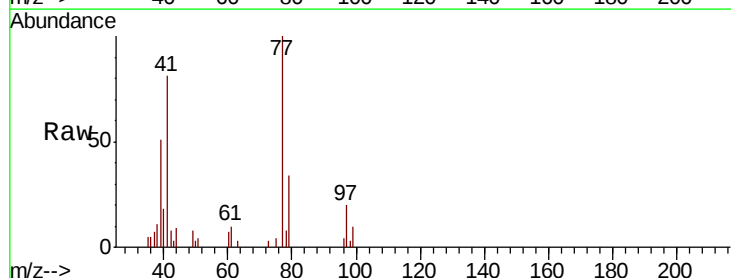
Acq: 17 Aug 2018 17:09

Tgt Ion: 77 Resp: 11861

Ion Ratio Lower Upper

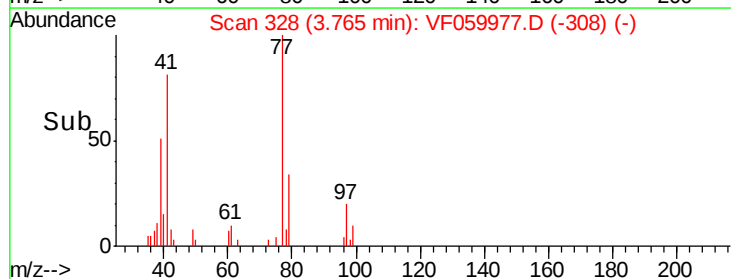
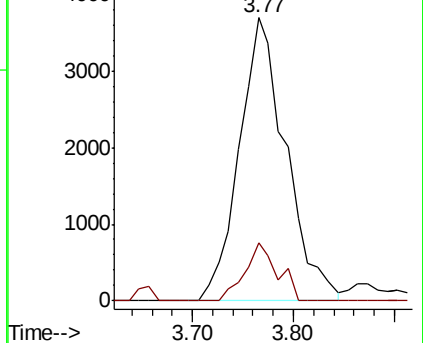
77 100

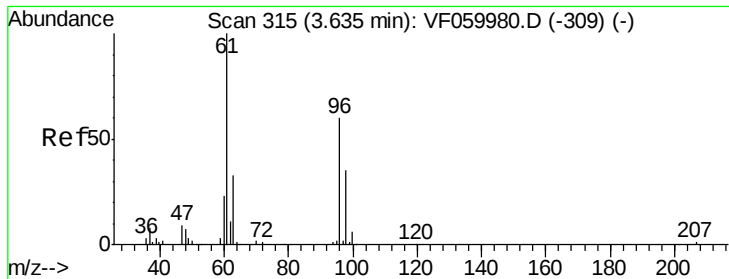
97 20.4 6.7 20.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

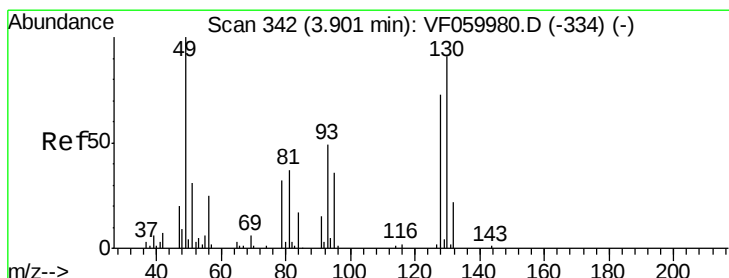
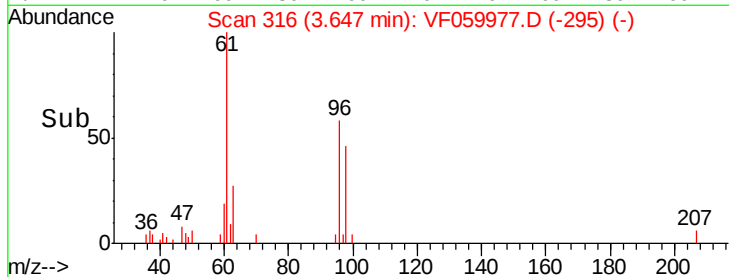
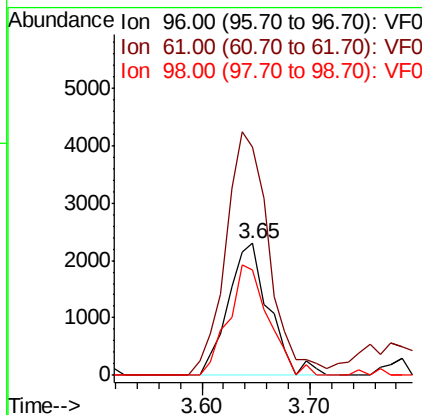
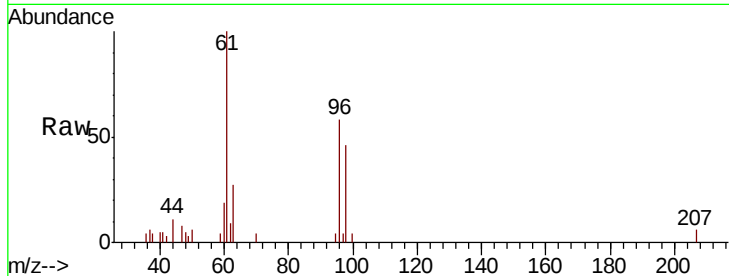
cis-1,2-Dichloroethene
Concen: 4.84 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	6016		
61	172.9		0.0	335.0
98	79.7		0.0	117.2

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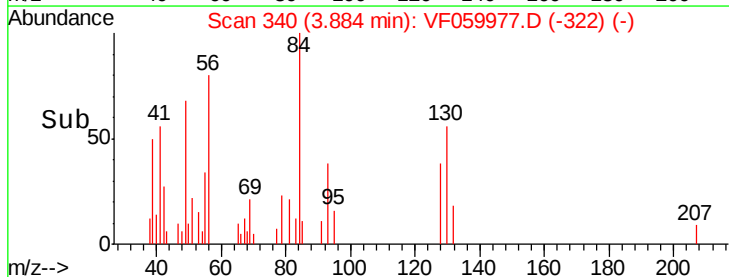
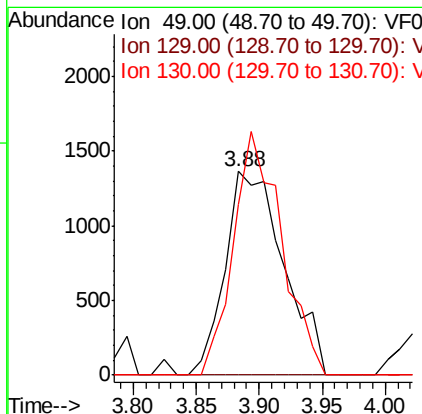
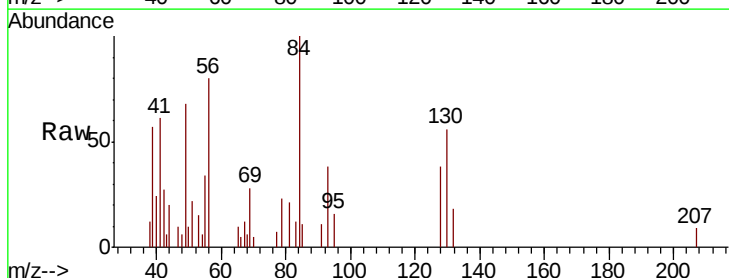
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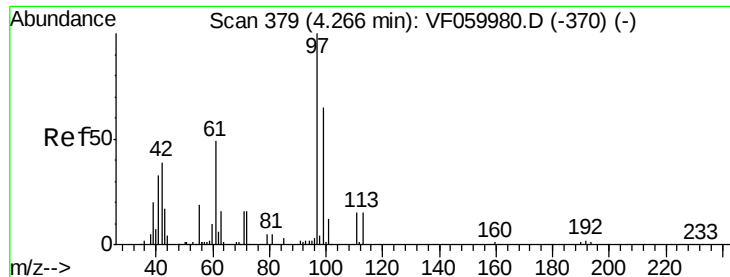


#28

Bromochloromethane
Concen: 5.01 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	4404		
129	0.0		0.0	7.6
130	83.6		71.3	106.9





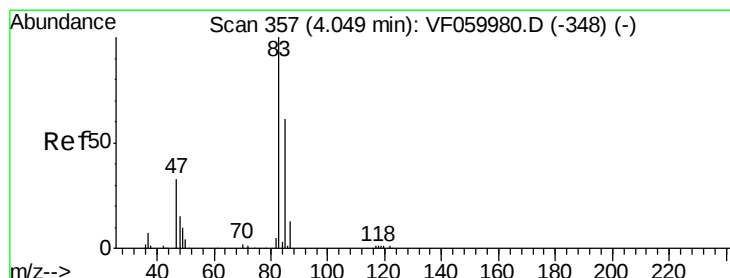
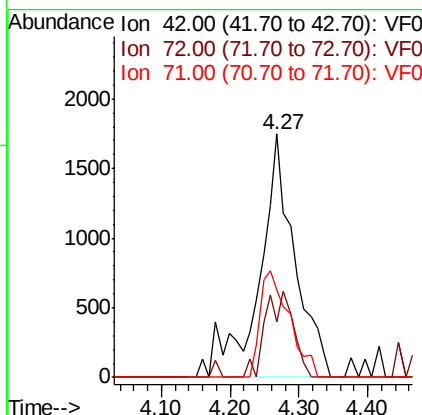
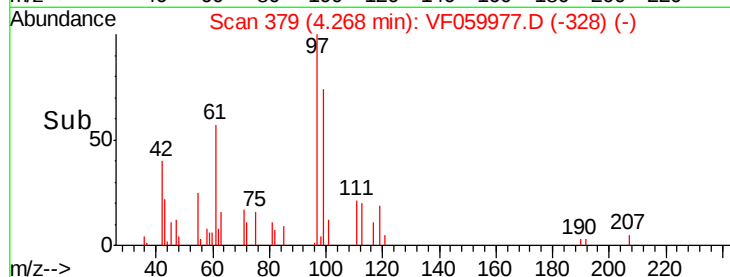
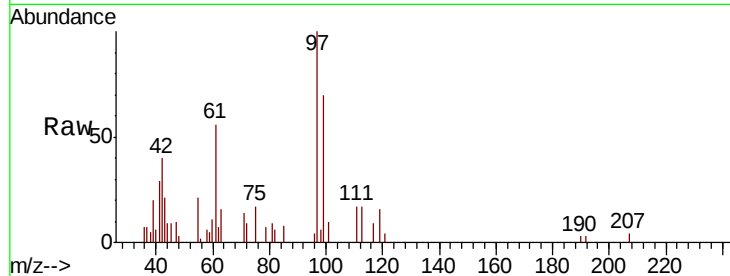
#29
Tetrahydrofuran
Concen: 26.50 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	27.8	29.8	44.6#
71	35.8	29.0	43.4

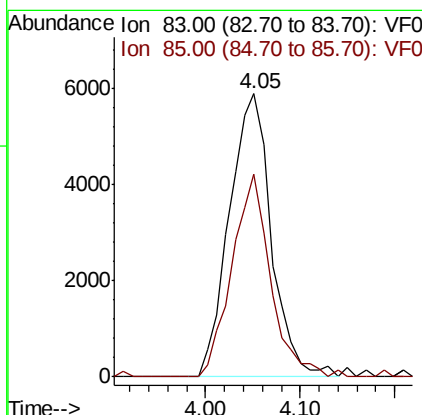
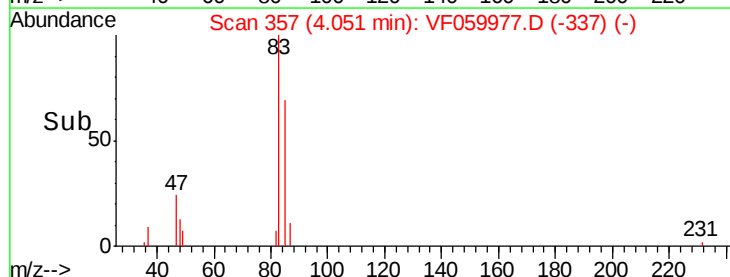
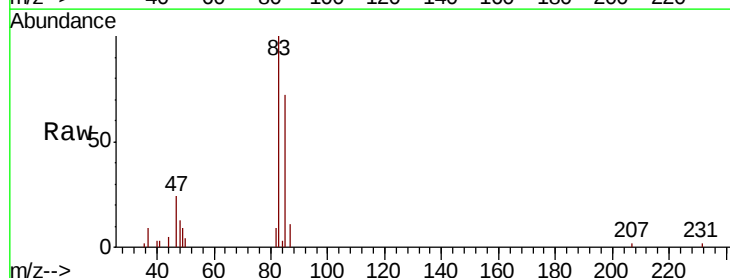
Manual Integrations
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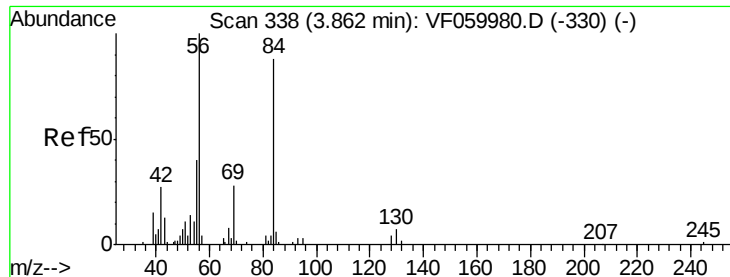
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#30
Chloroform
Concen: 5.15 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.5	48.8	73.2





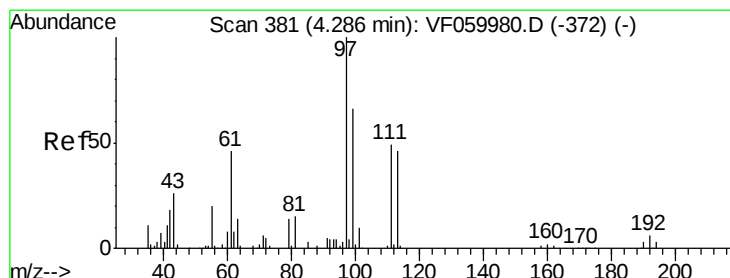
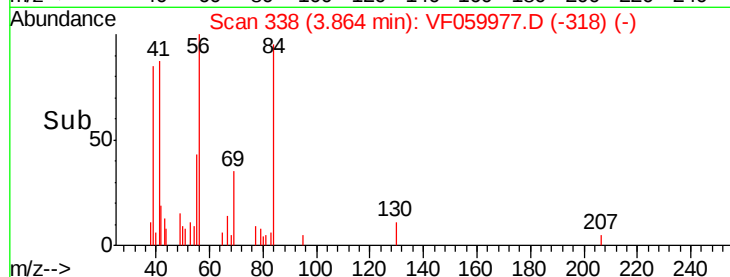
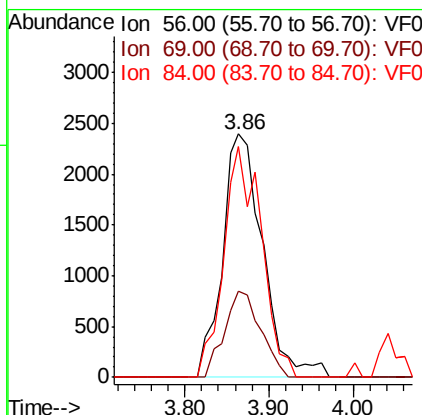
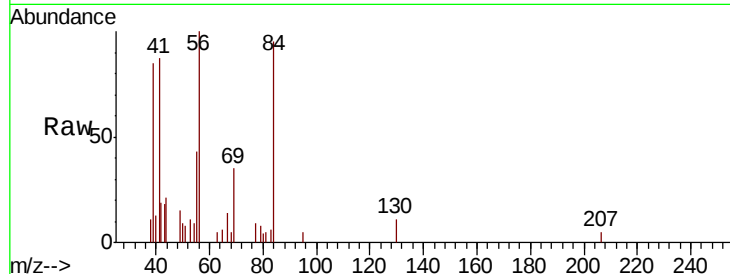
#31
Cyclohexane
Concen: 5.74 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	22.8	34.2#
84	94.7	70.7	106.1

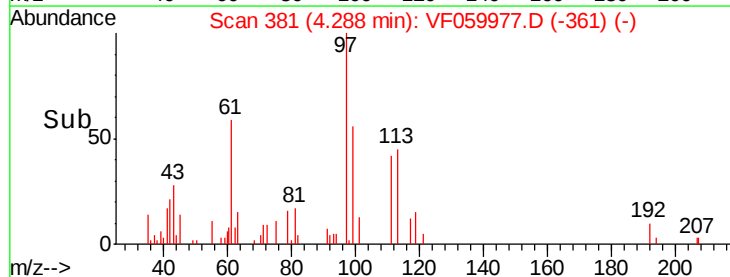
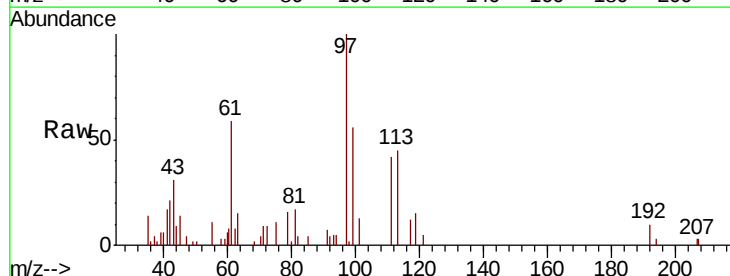
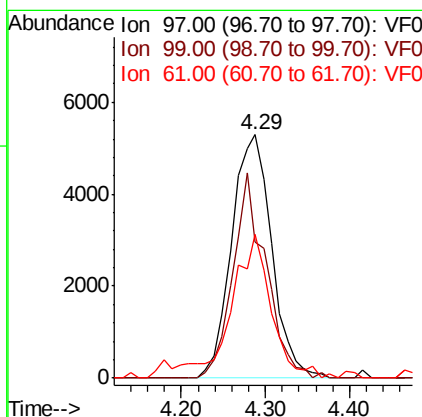
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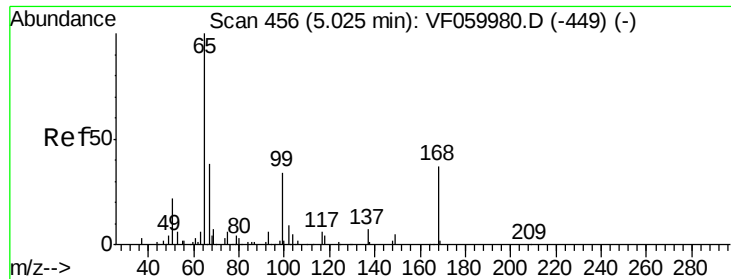
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#32
1,1,1-Trichloroethane
Concen: 5.13 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.0	53.1	79.7
61	59.3	38.2	57.2#





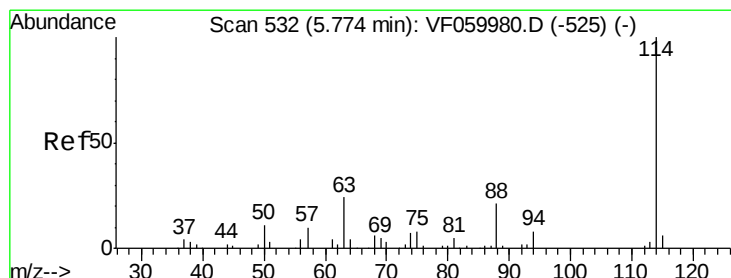
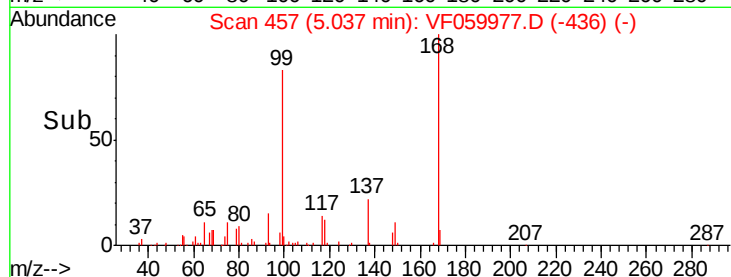
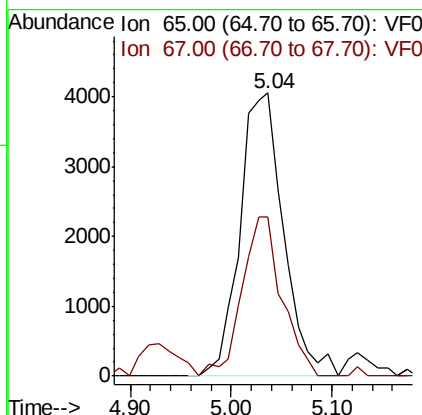
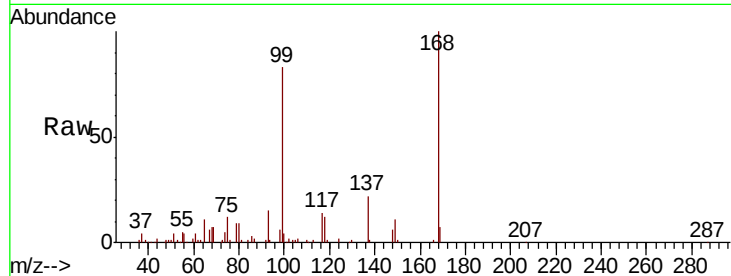
#33
 1,2-Dichloroethane-d4
 Concen: 4.61 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	12185		
67	56.0	0.0	0.0	82.6

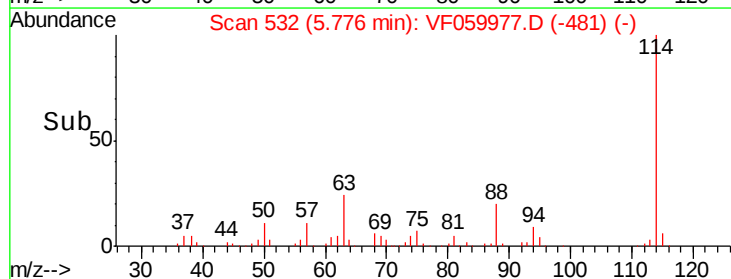
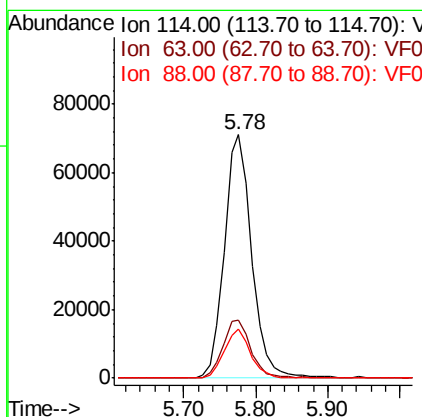
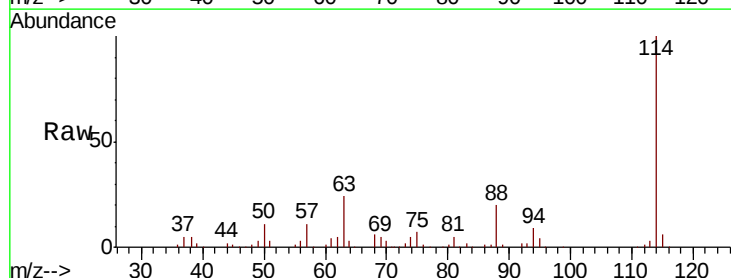
Manual Integrations
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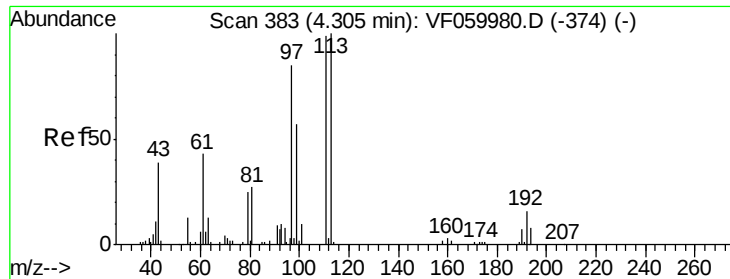
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	186715		
63	23.9	0.0	0.0	48.6
88	20.3	0.0	0.0	42.8





#35

Dibromofluoromethane

Concen: 5.17 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

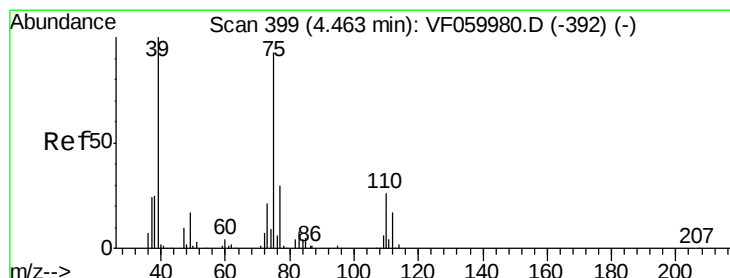
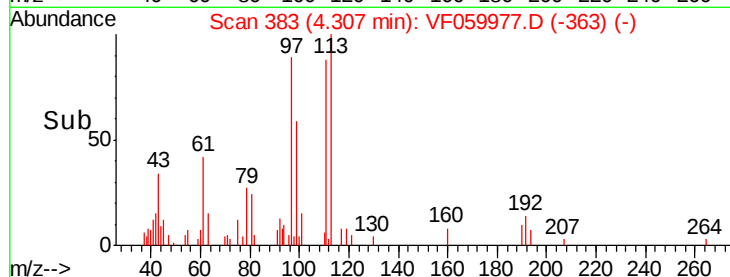
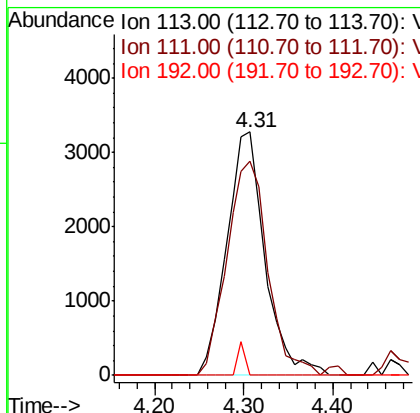
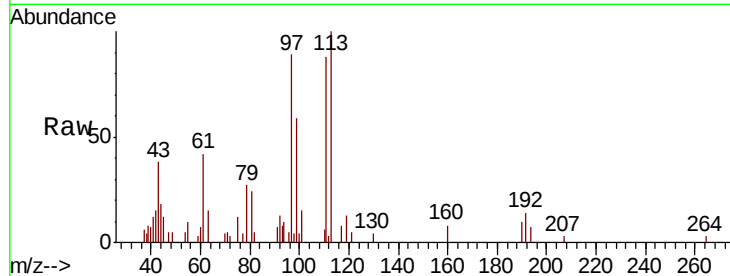
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	9822
Ion Ratio	Lower	Upper	
113	100		
111	91.3	79.5	119.3
192	0.0	12.4	18.6#

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.99 ug/l

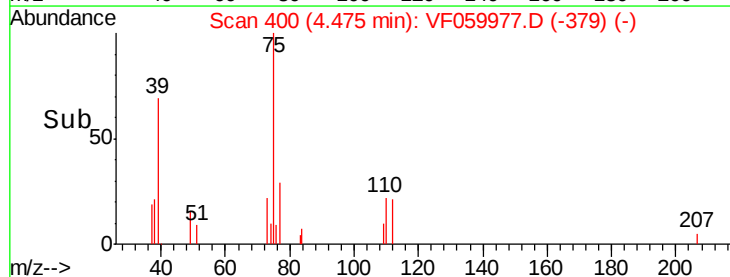
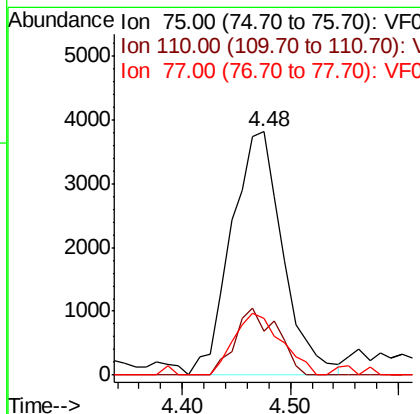
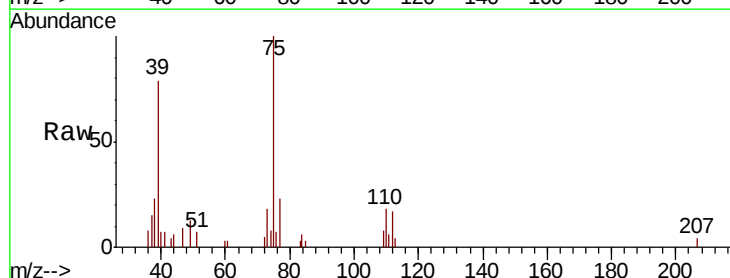
RT: 4.48 min Scan# 400

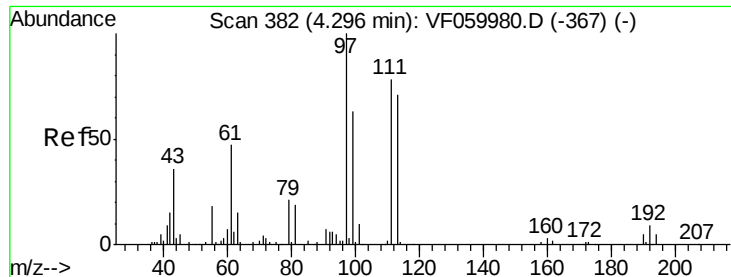
Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	75	Resp:	12627
Ion Ratio	Lower	Upper	
75	100		
110	17.9	13.8	41.4
77	23.3	25.8	38.8#





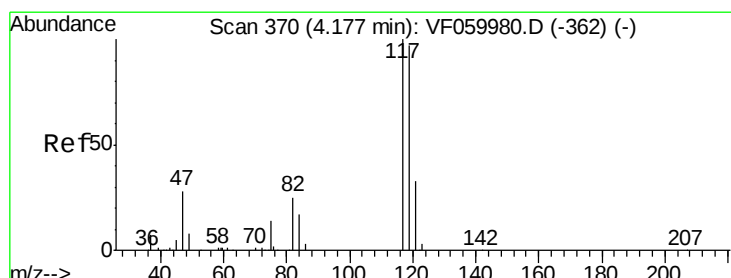
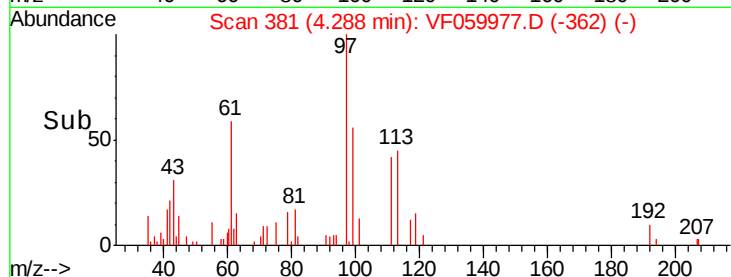
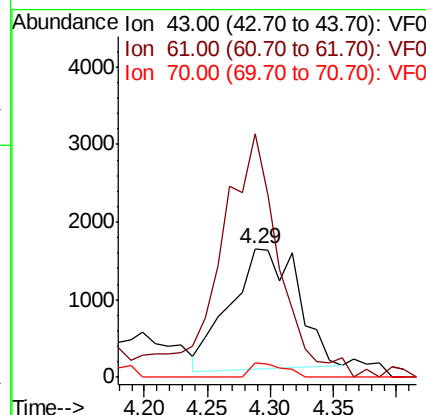
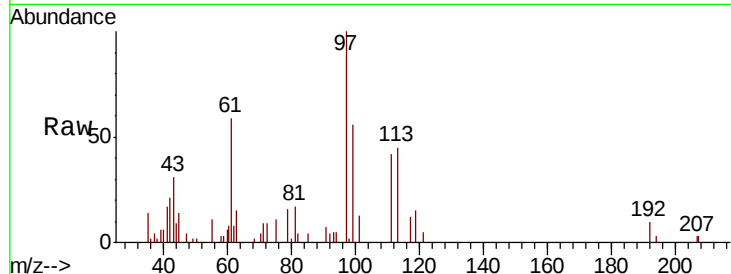
#37
Ethyl Acetate
Concen: 4.68 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	189.1	104.5	156.7#
70	11.6	5.9	8.9#

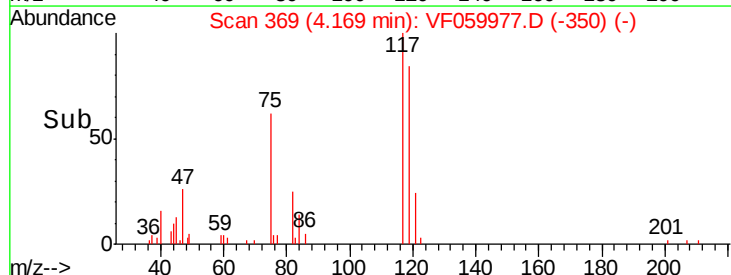
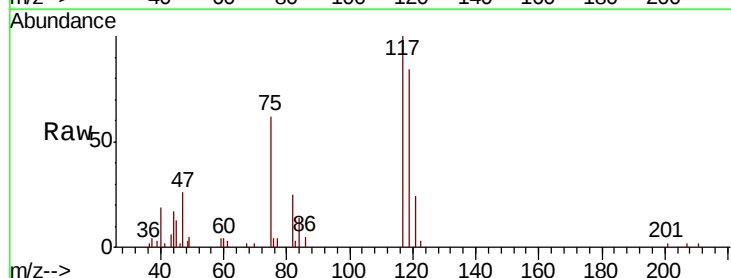
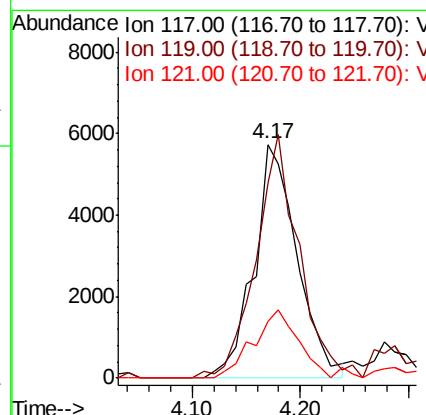
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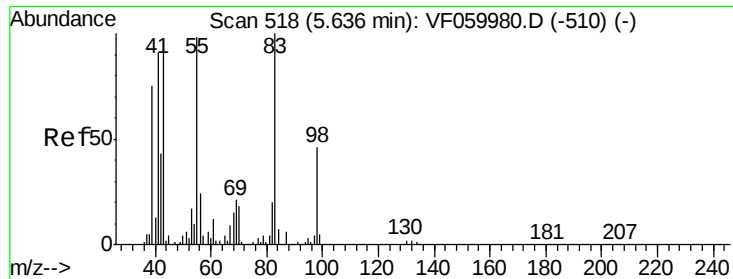
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#38
Carbon Tetrachloride
Concen: 5.28 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.6	77.8	116.6
121	24.3	26.0	39.0#





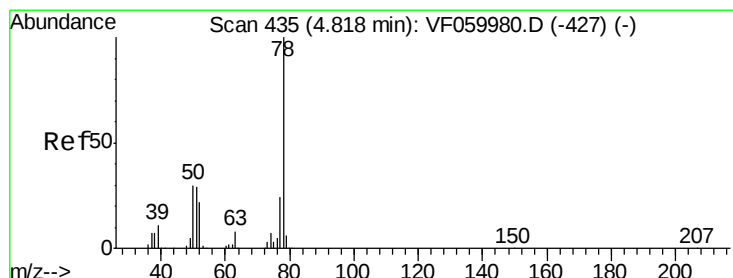
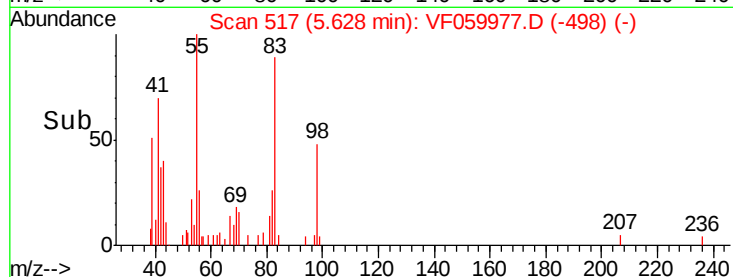
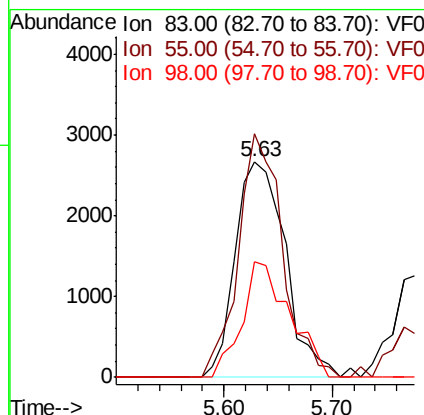
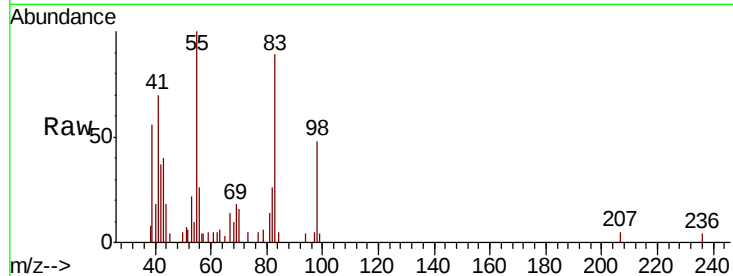
#39
Methvlcvclohexane
Concen: 5.42 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	113.0	78.8	118.2
98	53.8	36.8	55.2

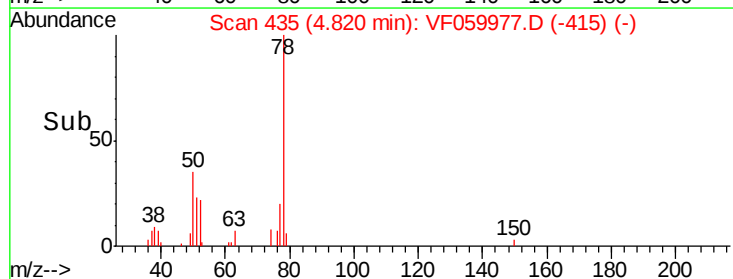
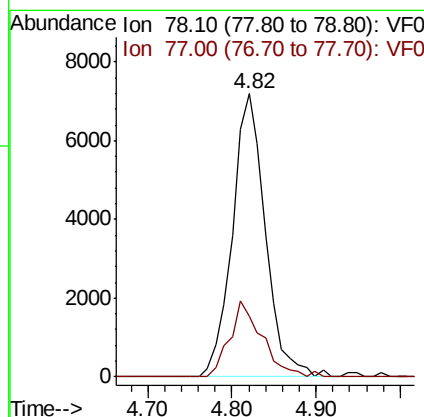
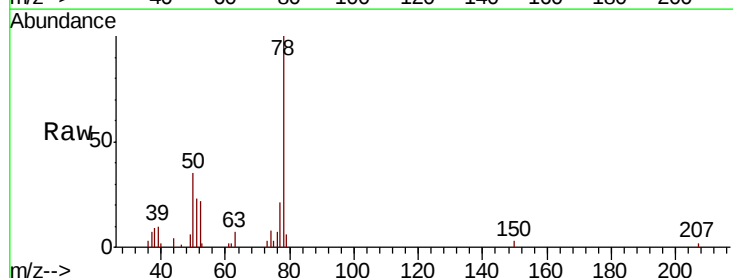
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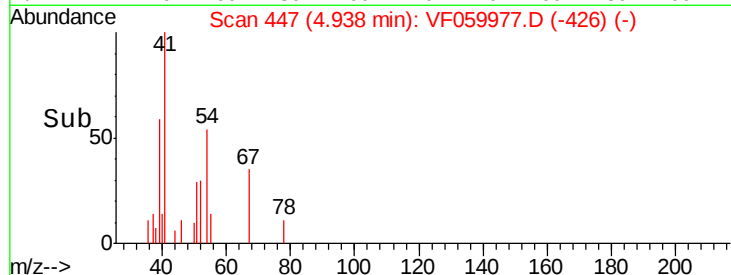
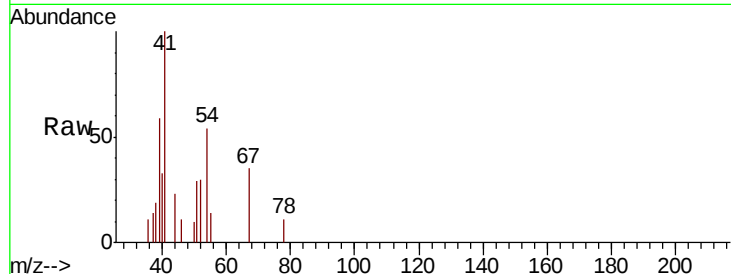
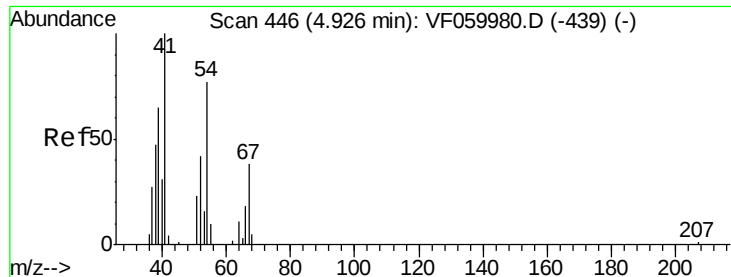
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#40
Benzene
Concen: 5.47 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	19.1	28.7





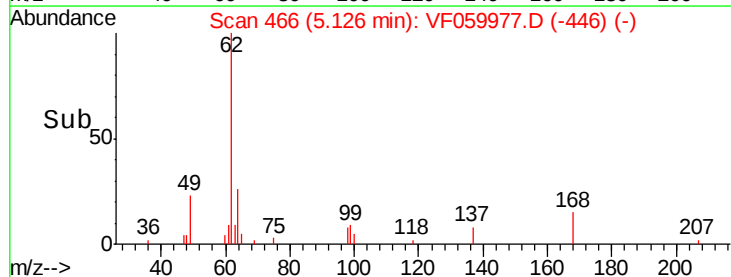
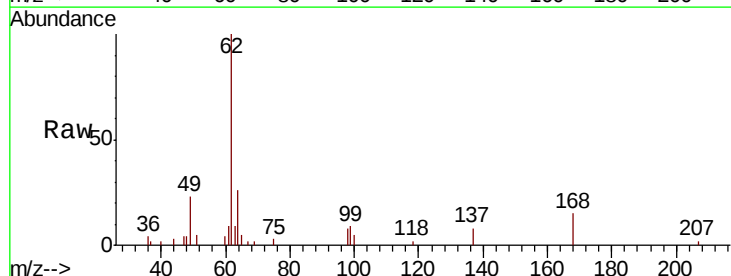
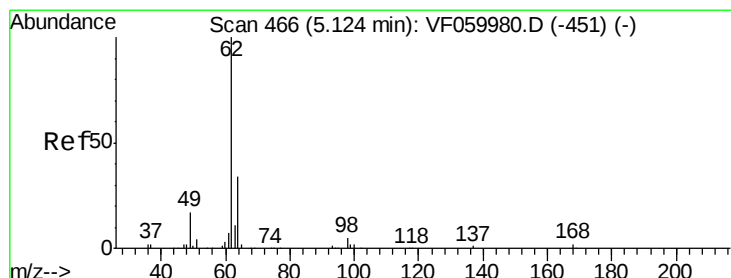
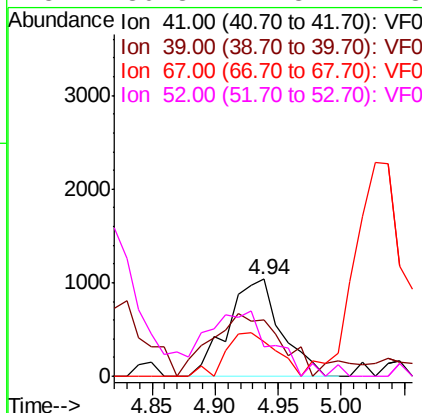
#41
Methacrylonitrile
Concen: 5.15 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.8	62.9	94.3#
67	35.1	30.4	45.6
52	30.3	47.8	71.8#

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

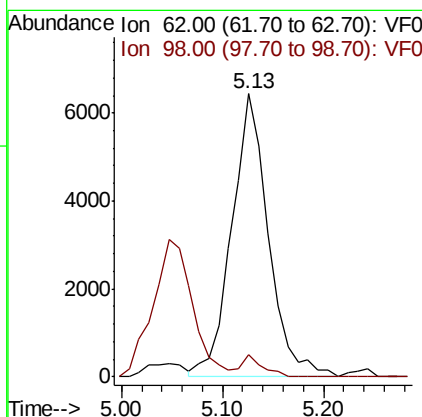
Manual Integrations
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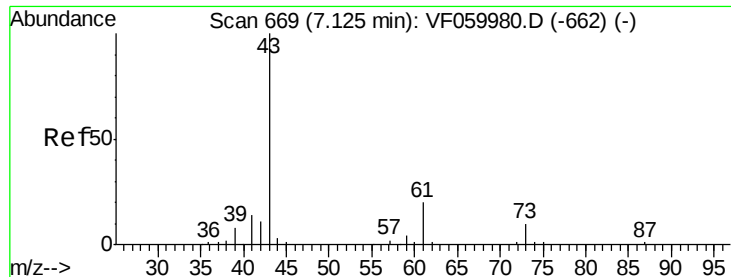
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#42
1,2-Dichloroethane
Concen: 5.24 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	9.0





#43

Isopropyl Acetate

Concen: 4.88 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

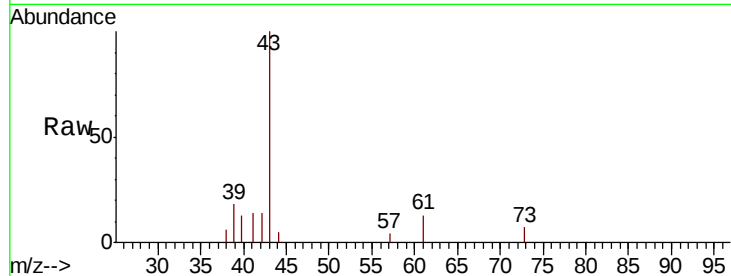
ClientSampleId :

VSTDIC005

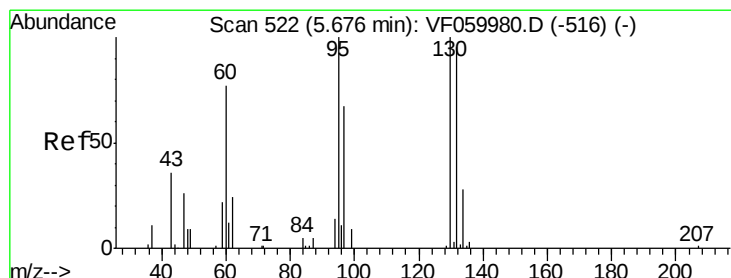
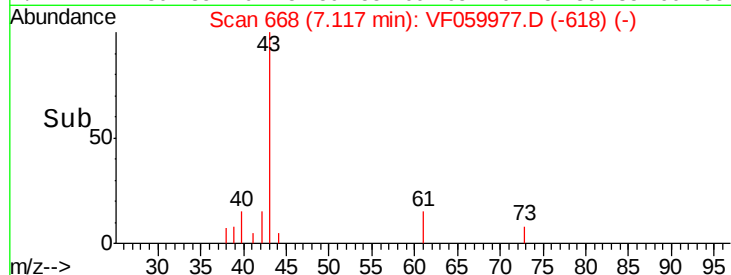
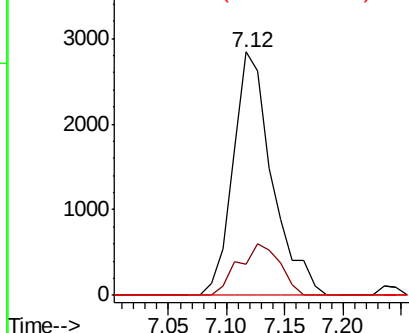
Tot Ion:	43	Resp:	6604
Ion	Ratio	Lower	Upper
43	100		
61	12.9	15.8	23.8#
87	0.0	0.6	0.8#

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Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 5.50 ug/l

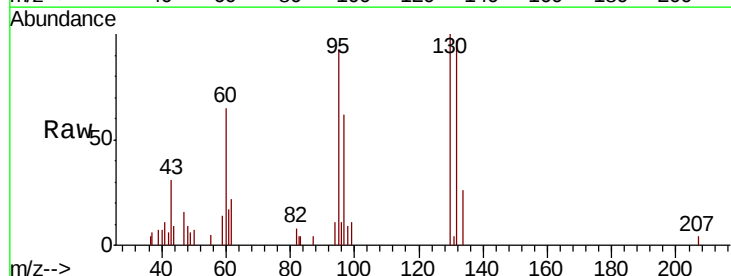
RT: 5.69 min Scan# 523

Delta R.T. 0.01 min

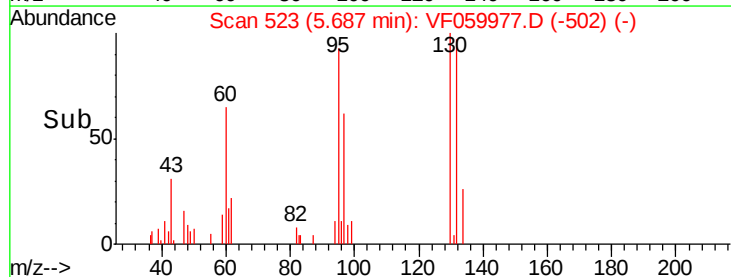
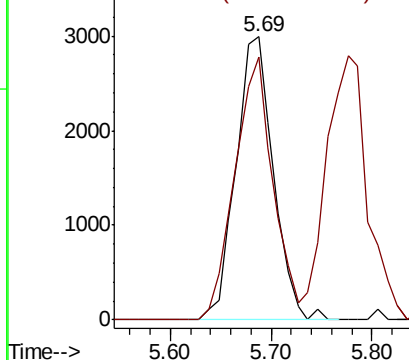
Lab File: VF059977.D

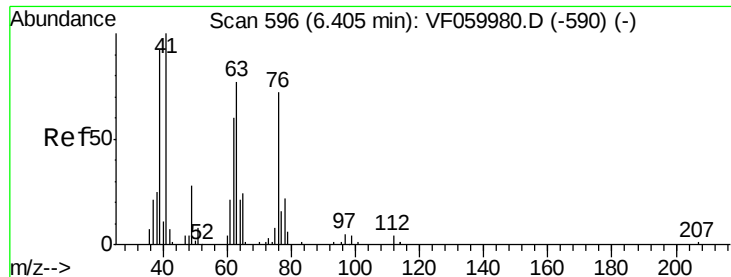
Acq: 17 Aug 2018 17:09

Tgt Ion:	130	Resp:	7699
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	201.8



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 5.14 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 5257

Ion Ratio Lower Upper

63 100

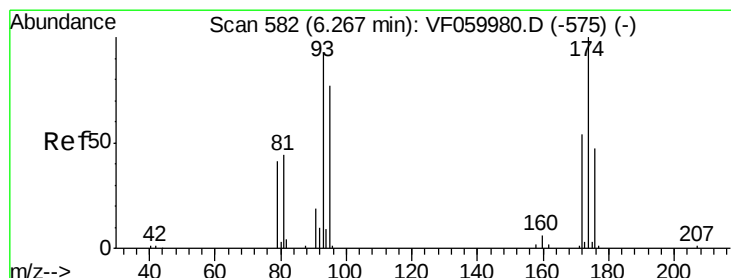
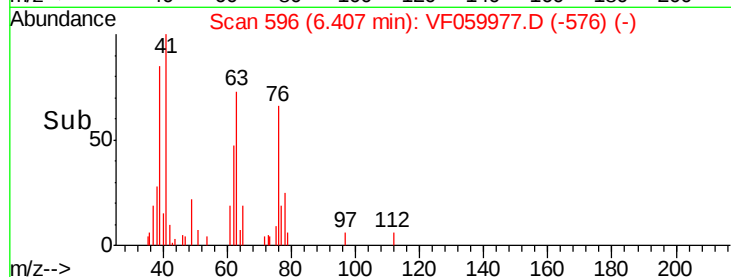
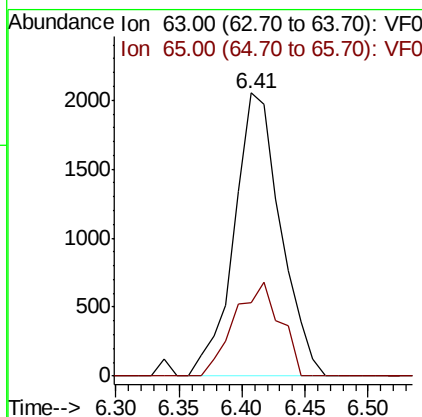
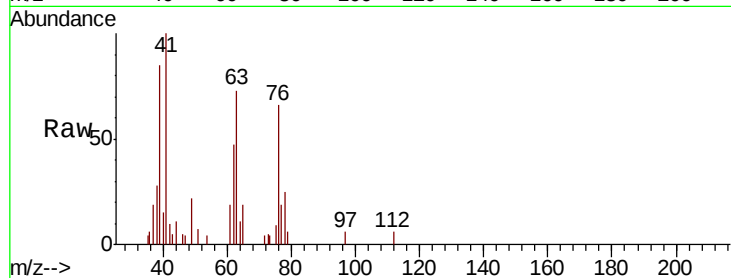
65 26.1 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 4.93 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

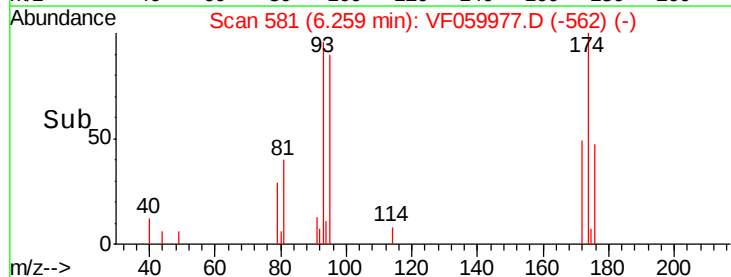
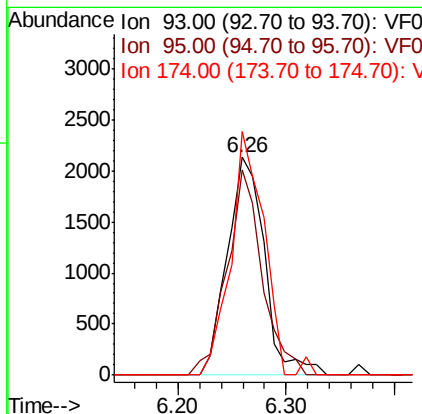
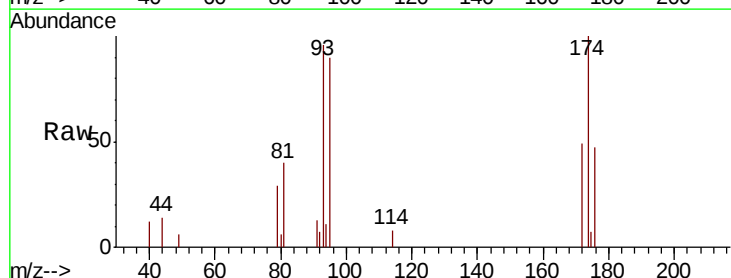
Tgt Ion: 93 Resp: 5109

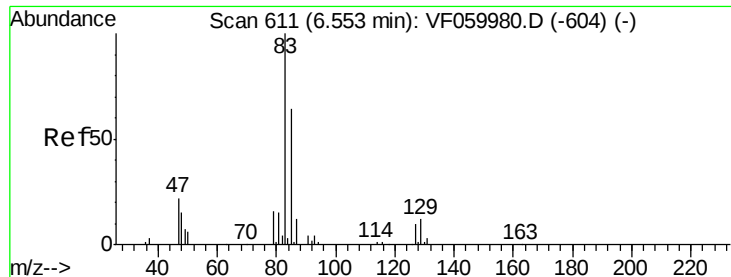
Ion Ratio Lower Upper

93 100

95 94.1 67.0 100.4

174 111.9 85.7 128.5





#47

Bromodichloromethane

Concen: 5.05 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

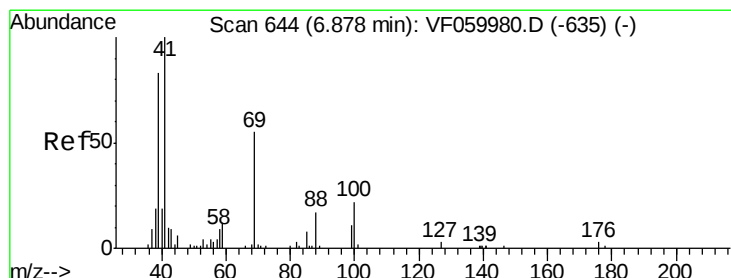
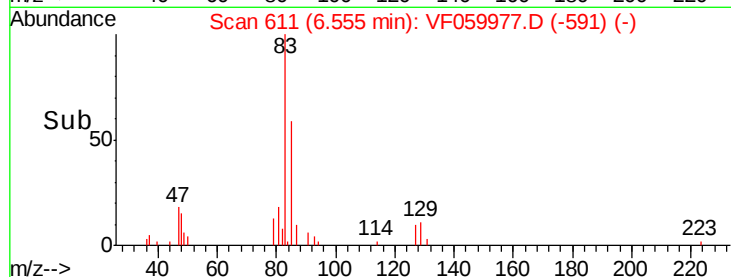
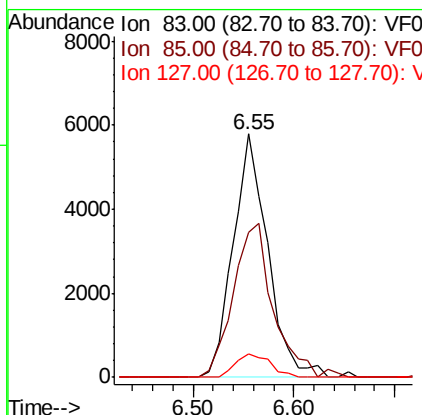
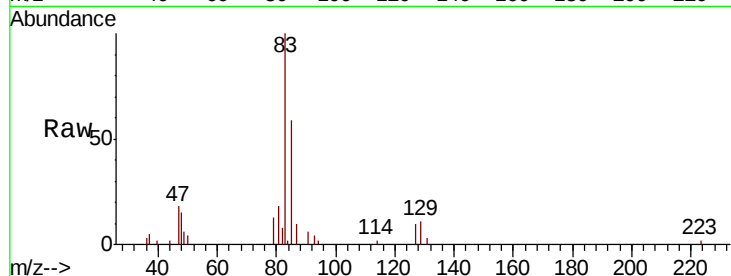
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	13831
Ion Ratio	Lower	Upper	
83	100		
85	59.3	51.4	77.0
127	9.6	8.2	12.2

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#48

Methyl methacrylate

Concen: 4.61 ug/l

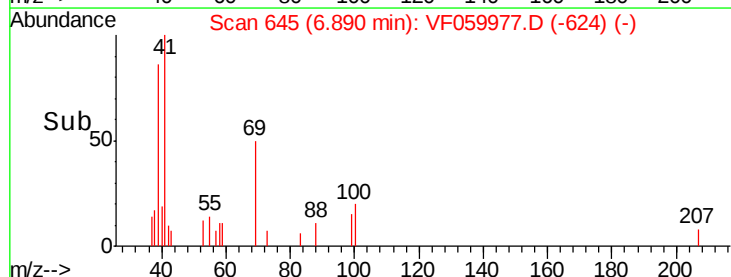
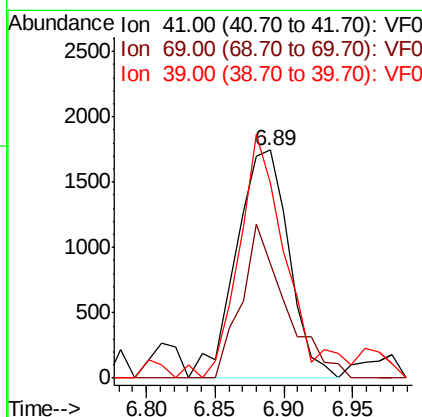
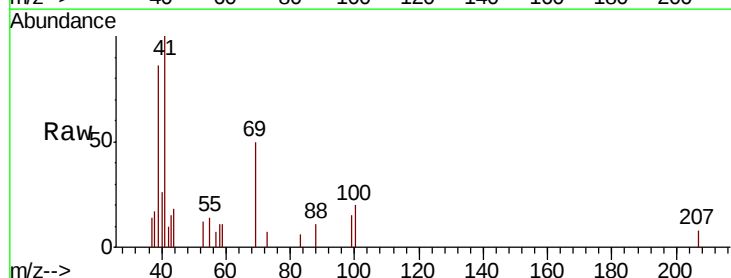
RT: 6.89 min Scan# 645

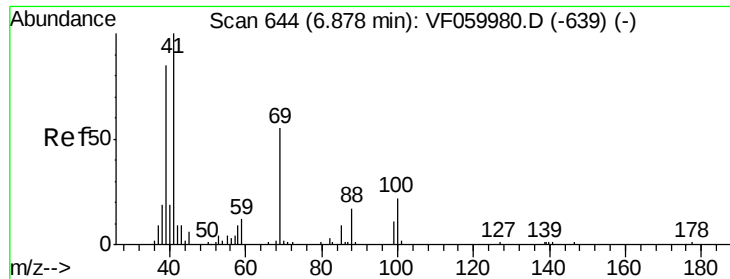
Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	41	Resp:	4655
Ion Ratio	Lower	Upper	
41	100		
69	50.2	44.4	66.6
39	85.6	67.8	101.6





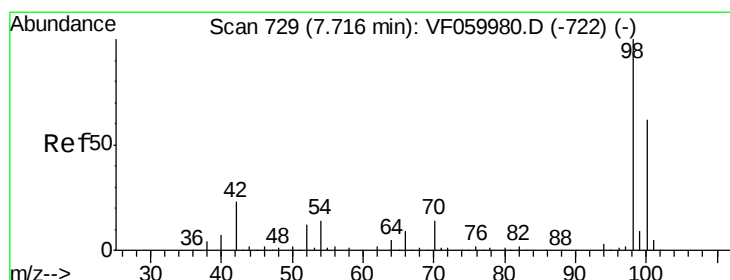
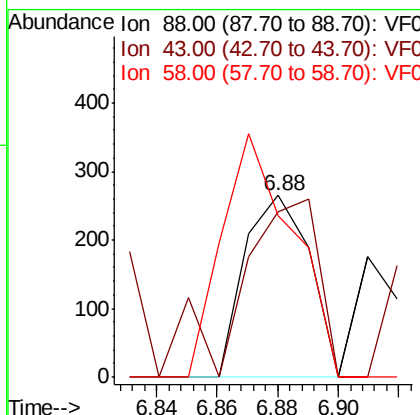
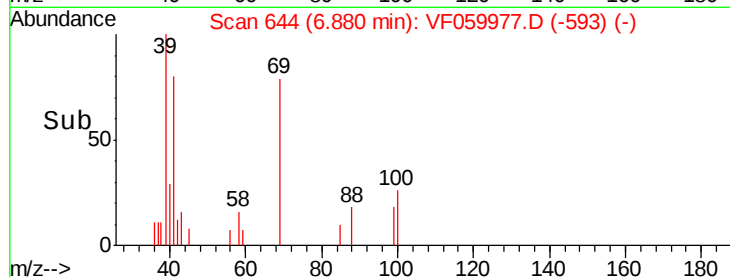
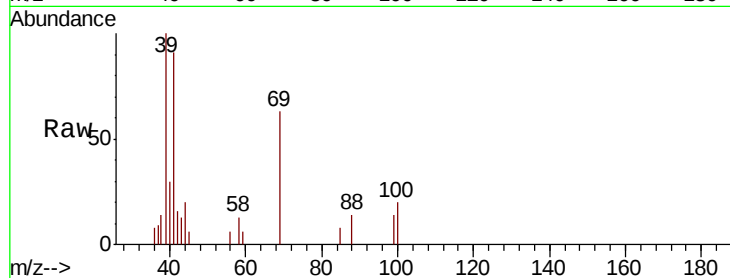
#49
1,4-Dioxane
Concen: 48.39 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	90.9	43.2	64.8#
58	89.1	42.0	63.0#

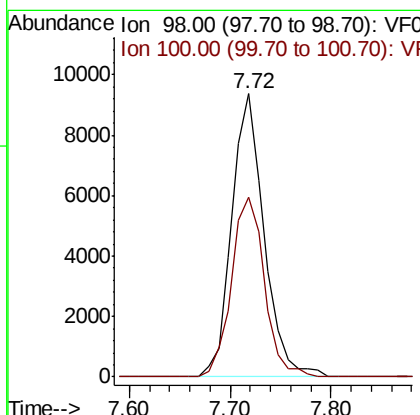
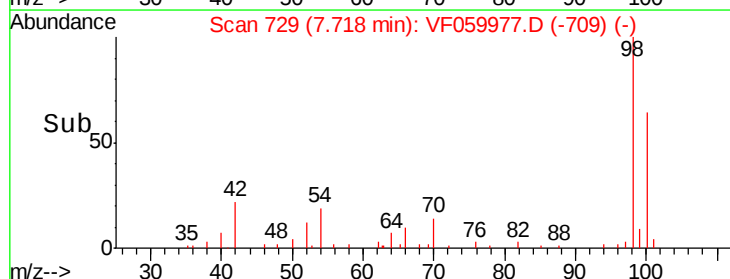
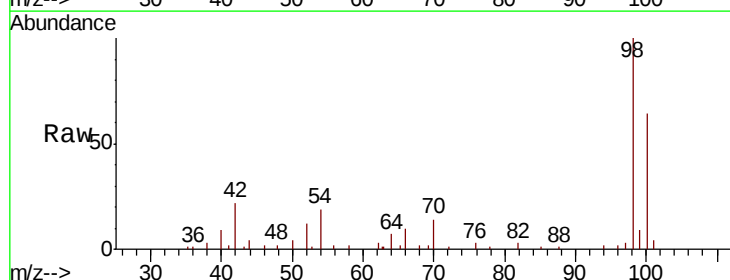
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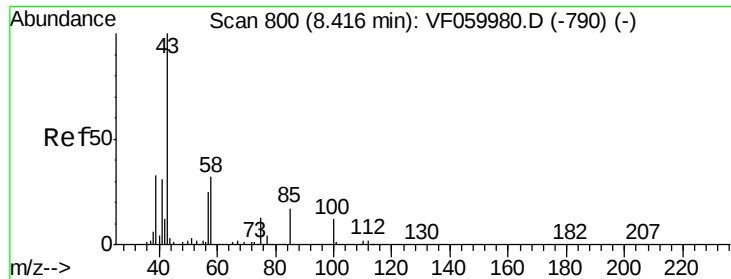
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#50
Toluene-d8
Concen: 4.95 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 24.81 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 31376

Ion Ratio Lower Upper

43 100

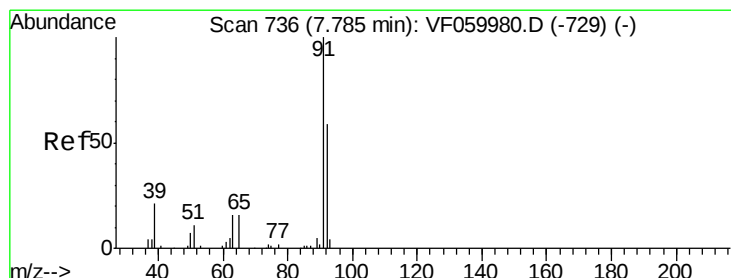
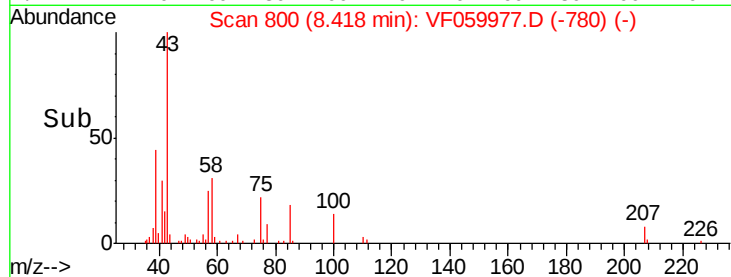
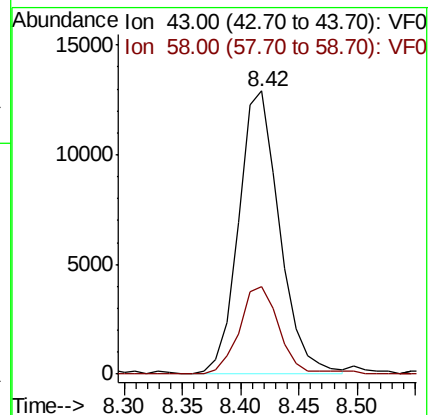
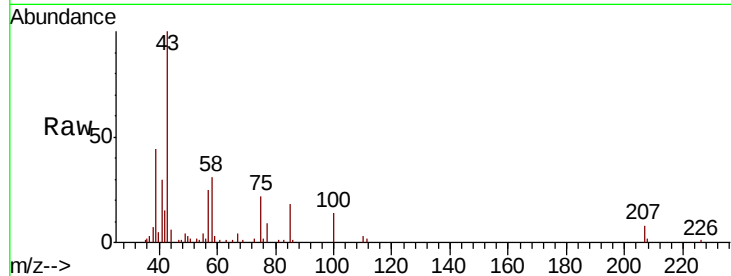
58 30.9 25.6 38.4

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#52

Toluene

Concen: 5.61 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059977.D

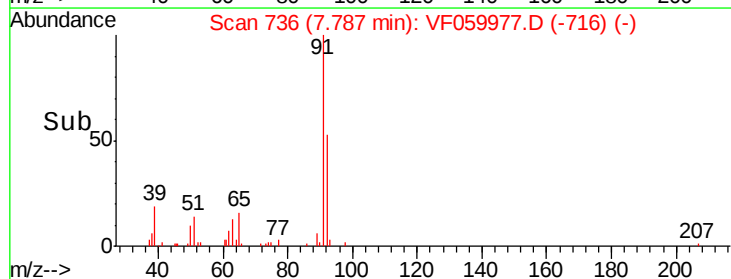
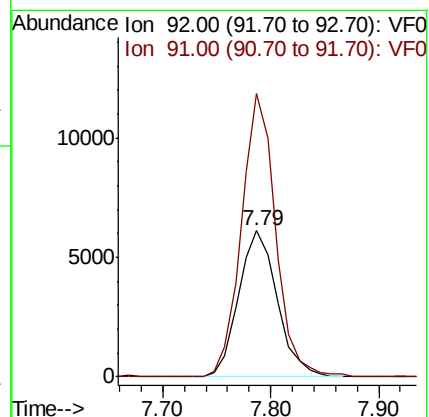
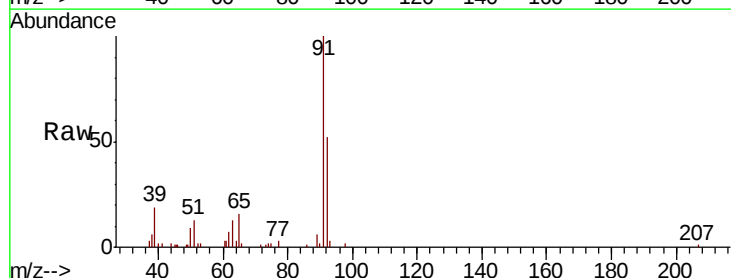
Acq: 17 Aug 2018 17:09

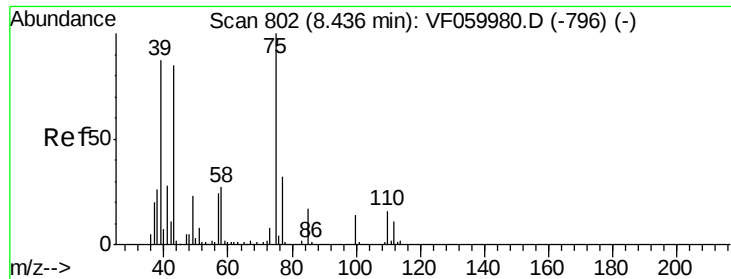
Tgt Ion: 92 Resp: 15153

Ion Ratio Lower Upper

92 100

91 193.4 136.5 204.7





#53

t-1,3-Dichloropropene

Concen: 5.08 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 11820

Ion Ratio Lower Upper

75 100

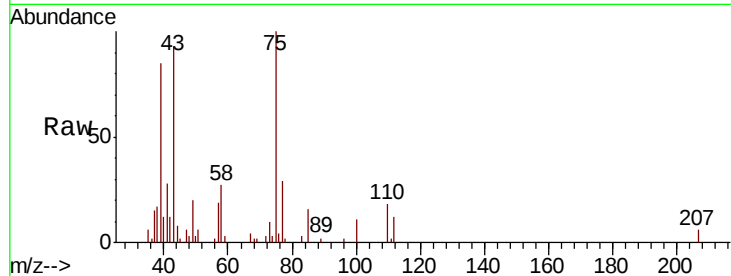
77 28.8 25.8 38.6

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

6000

5000

4000

3000

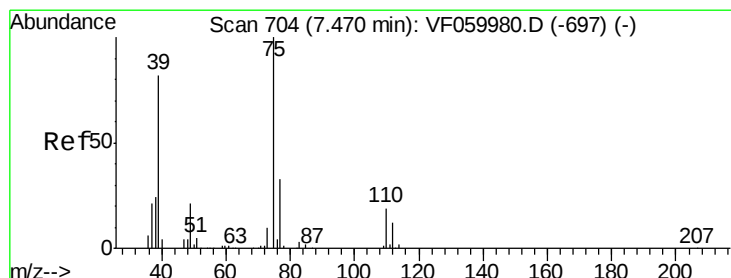
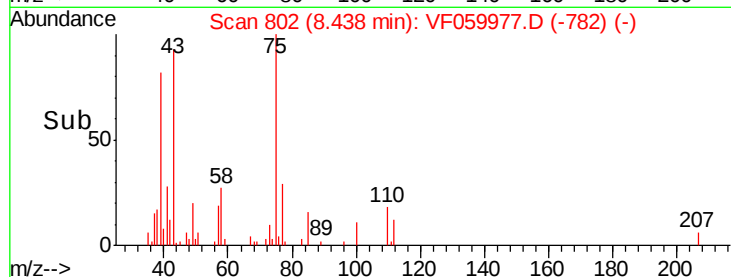
2000

1000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.18 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

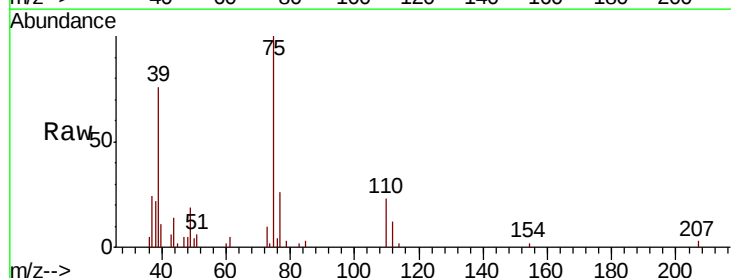
Tgt Ion: 75 Resp: 11608

Ion Ratio Lower Upper

75 100

77 25.9 26.0 39.0#

39 76.5 65.3 97.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

6000

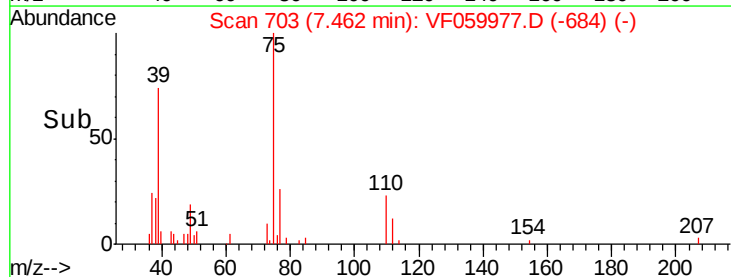
4000

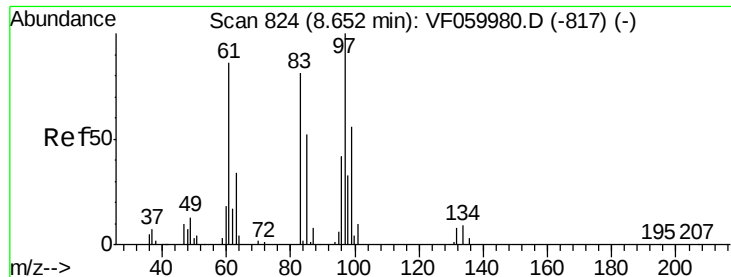
2000

0

7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 5.10 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

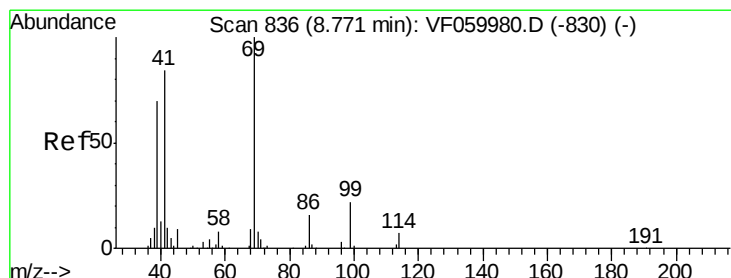
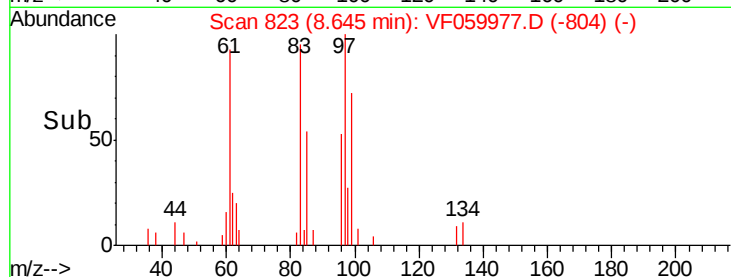
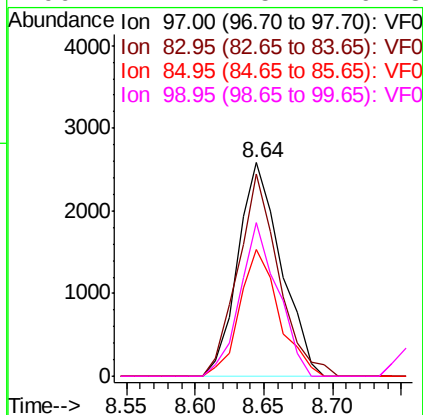
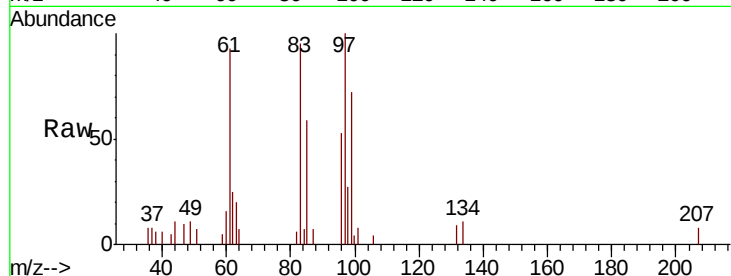
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	5643
Ion	Ratio	Lower	Upper
97	100		
83	94.7	64.9	97.3
85	59.2	41.8	62.6
99	72.2	45.2	67.8#

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#56

Ethyl methacrylate

Concen: 4.01 ug/l

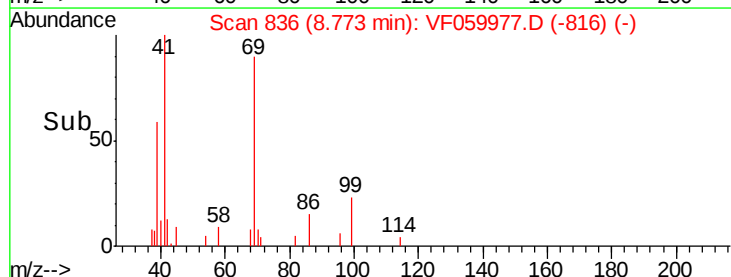
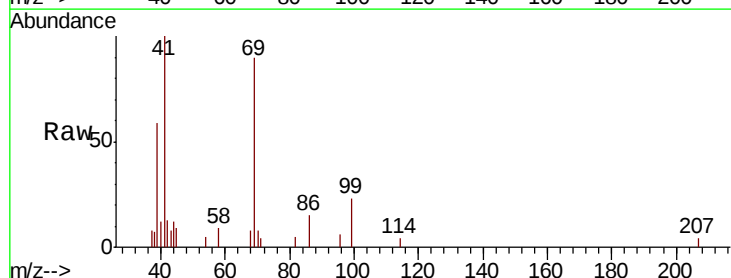
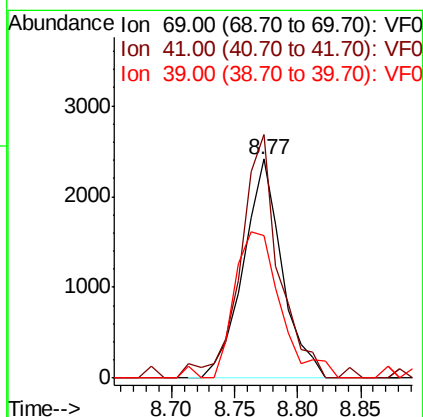
RT: 8.77 min Scan# 836

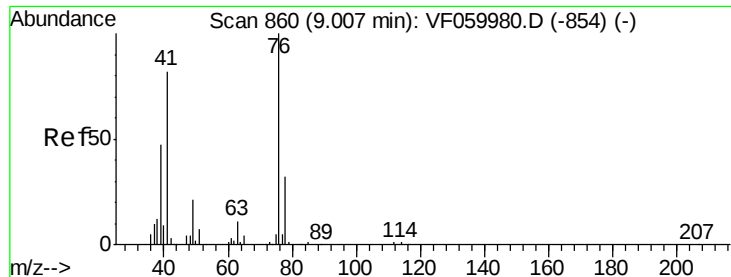
Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	69	Resp:	5168
Ion	Ratio	Lower	Upper
69	100		
41	111.2	67.8	101.6#
39	65.3	55.8	83.6





#57

1,3-Dichloropropane

Concen: 5.25 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tot Ion: 76 Resp: 10329

Ion Ratio Lower Upper

76 100

78 33.4 25.3 37.9

Instrument :

MSVOA_F

ClientSampleId :

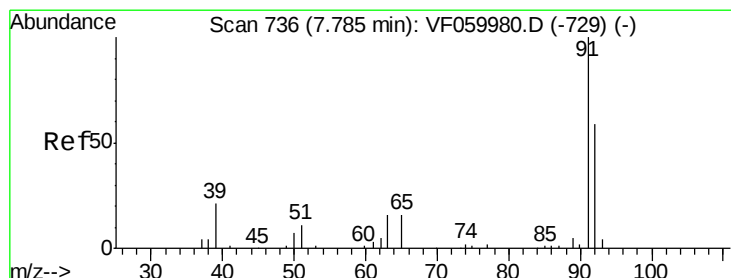
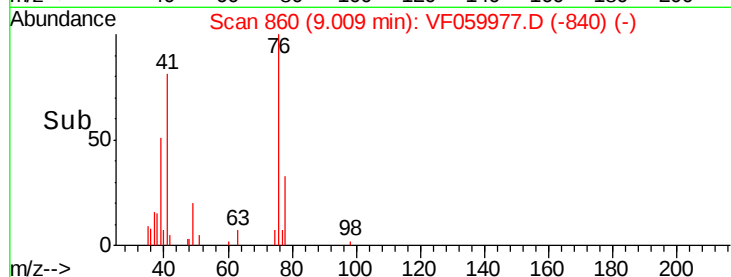
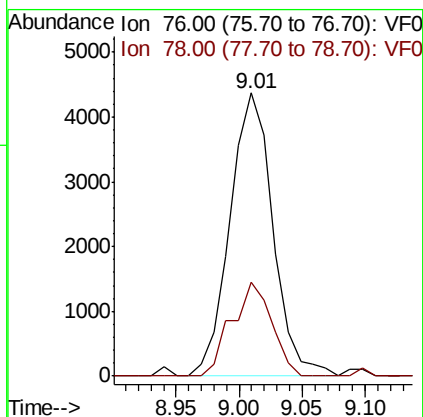
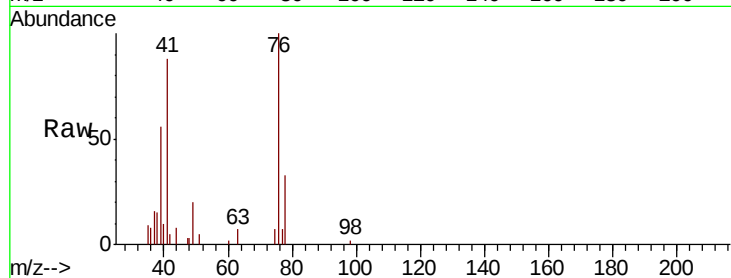
VSTDIC005

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#58

2-Chloroethyl Vinyl ether

Concen: 1.15 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.07 min

Lab File: VF059977.D

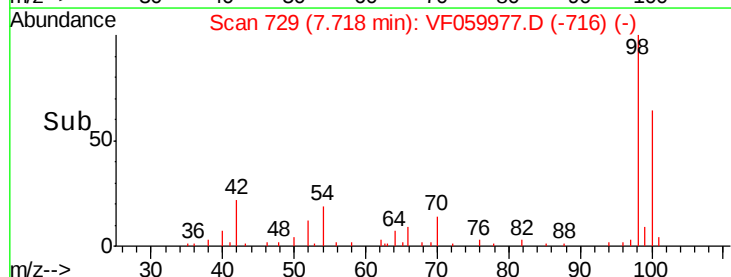
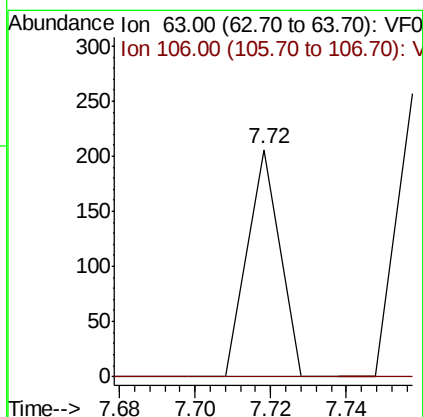
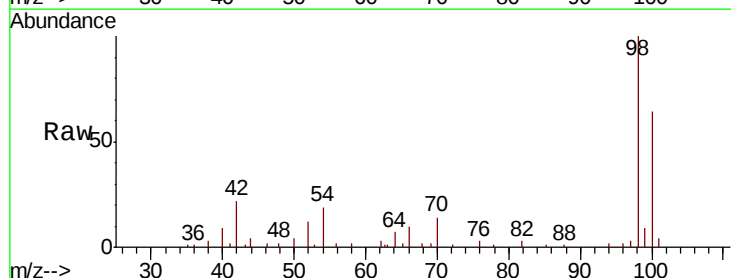
Acq: 17 Aug 2018 17:09

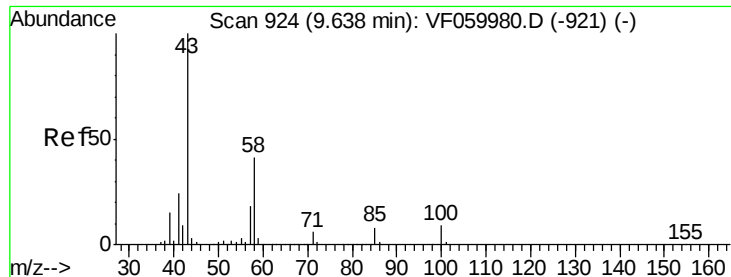
Tgt Ion: 63 Resp: 122

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





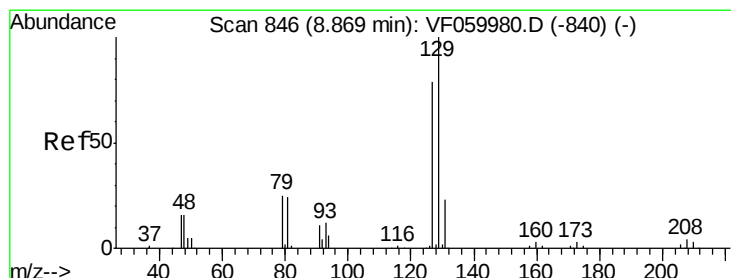
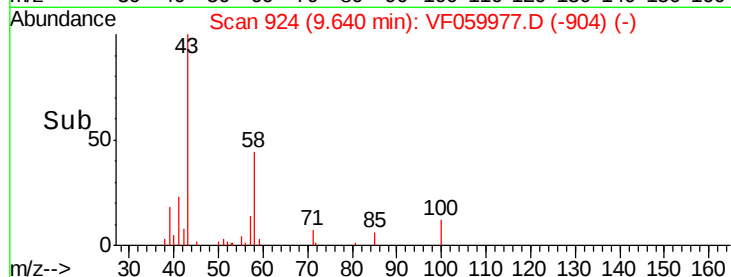
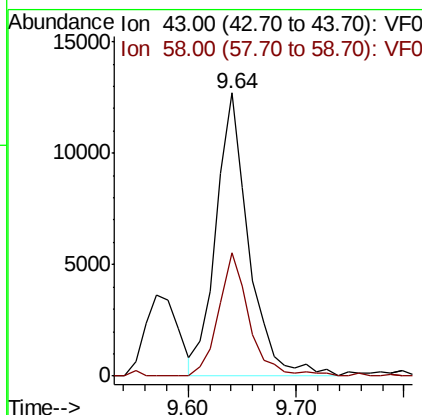
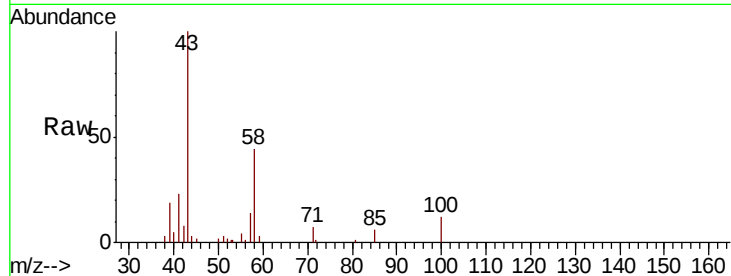
#59
2-Hexanone
Concen: 25.42 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.6	20.1	60.3

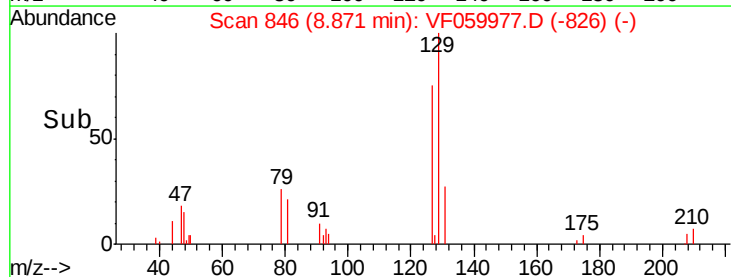
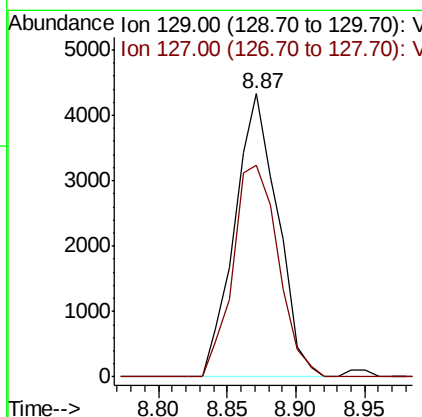
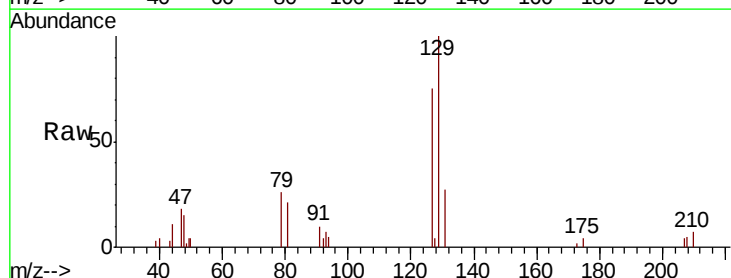
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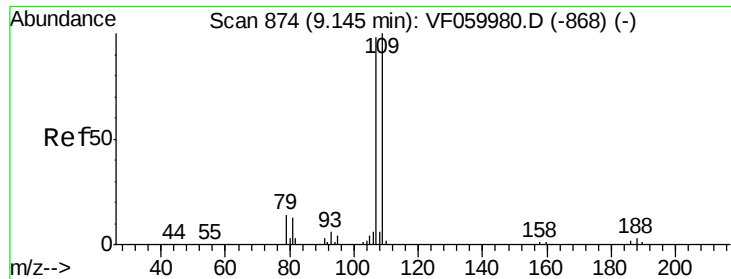
apatel
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#60
Dibromochloromethane
Concen: 4.70 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.5





#61

1,2-Dibromoethane

Concen: 5.06 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 7068

Ion Ratio Lower Upper

107 100

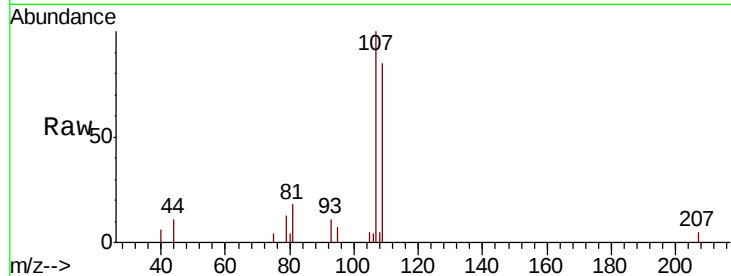
109 84.6 81.7 122.5

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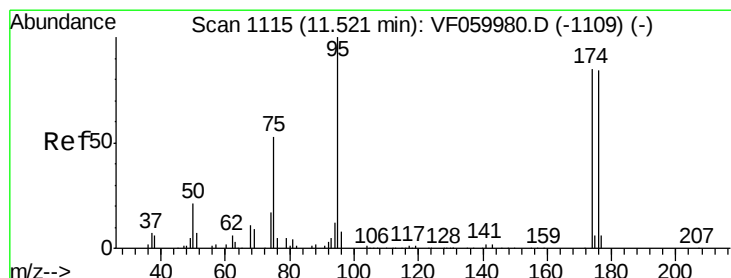
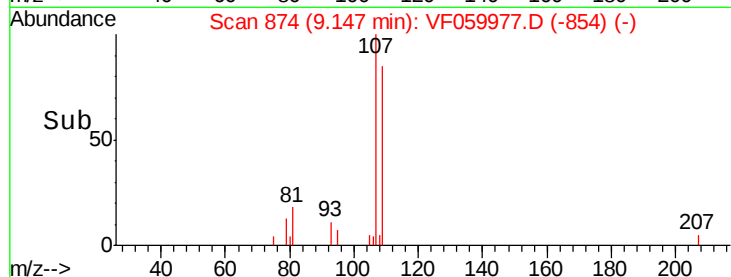
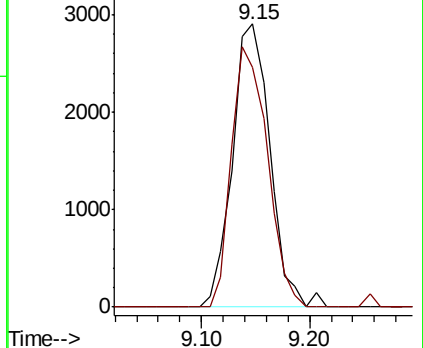
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.33 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

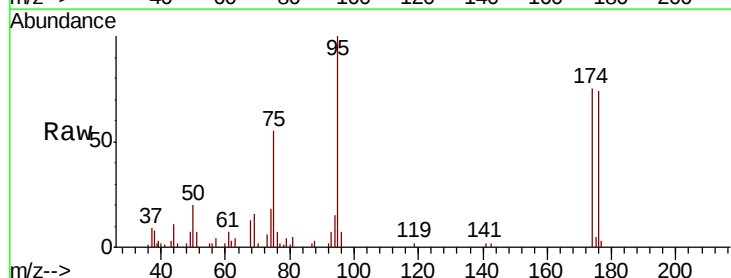
Tgt Ion: 95 Resp: 13776

Ion Ratio Lower Upper

95 100

174 75.4 0.0 169.8

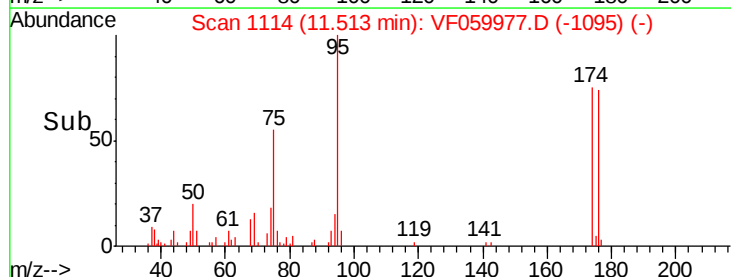
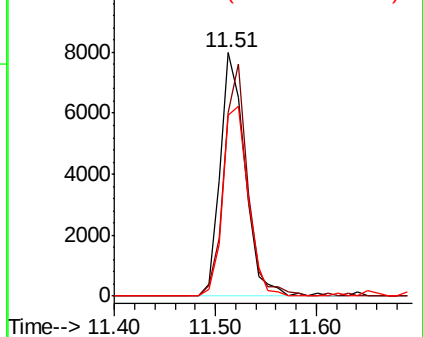
176 74.5 0.0 167.8

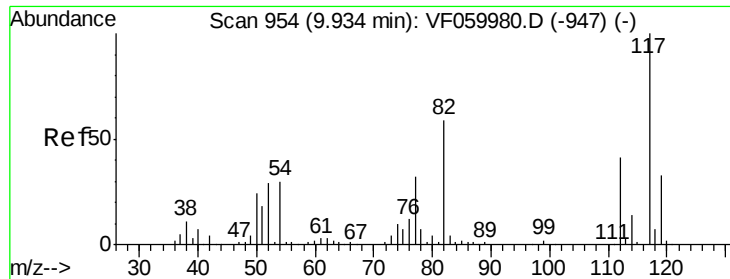


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





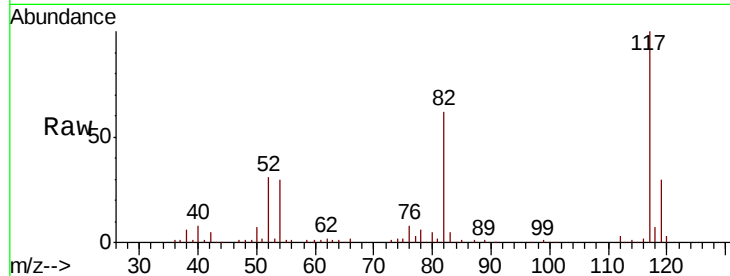
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	195917		
82	61.8	47.2	70.8	
119	30.2	26.1	39.1	

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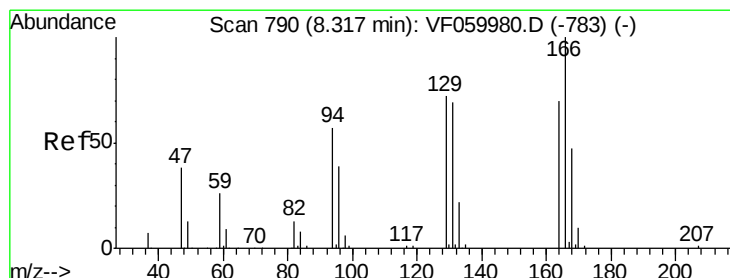
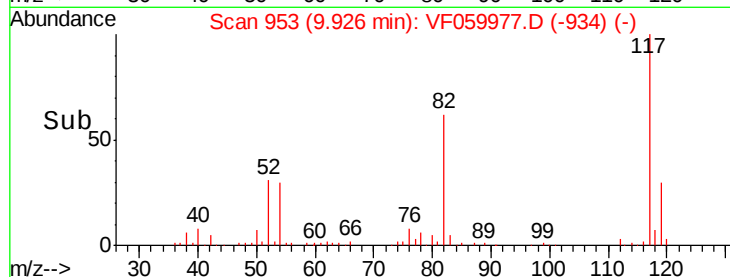
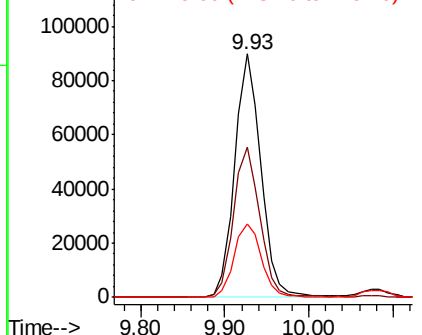


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 5.98 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8788		
166	145.1	114.5	171.7	
129	94.4	82.3	123.5	
131	84.7	78.6	118.0	

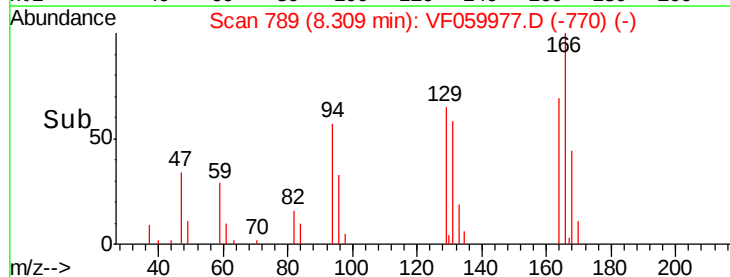
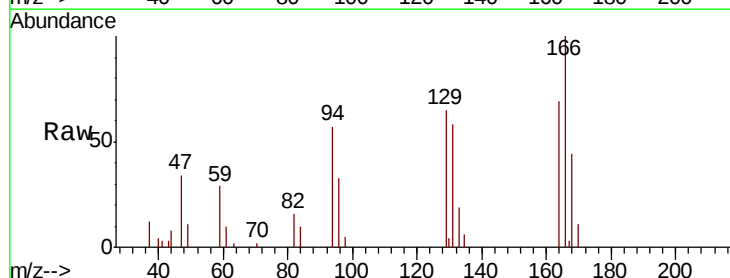
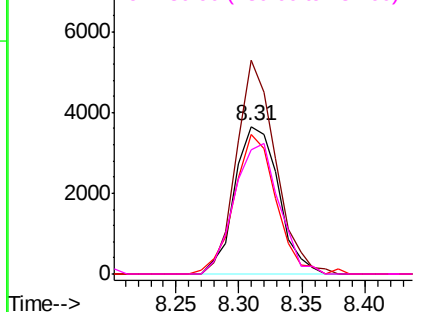
Abundance

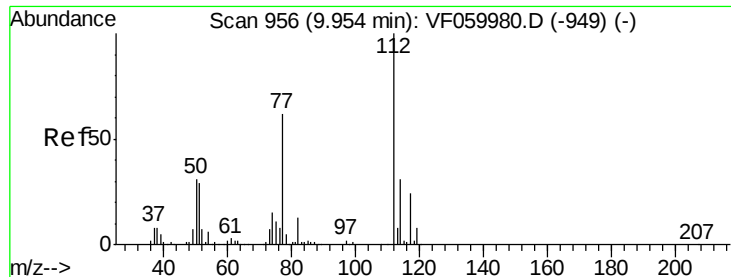
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 5.72 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 21872

Ion Ratio Lower Upper

112 100

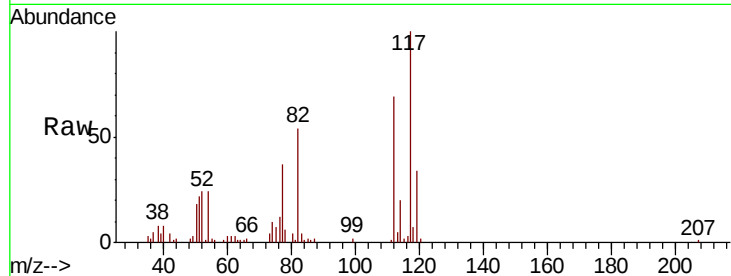
114 29.5 25.0 37.4

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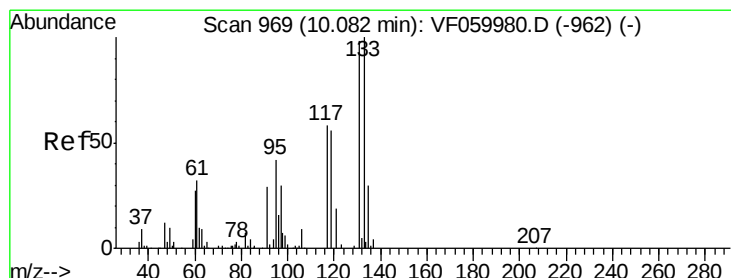
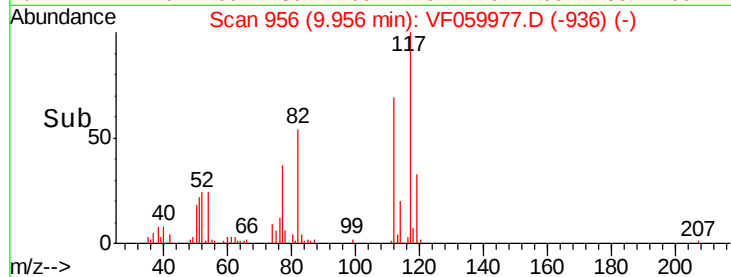
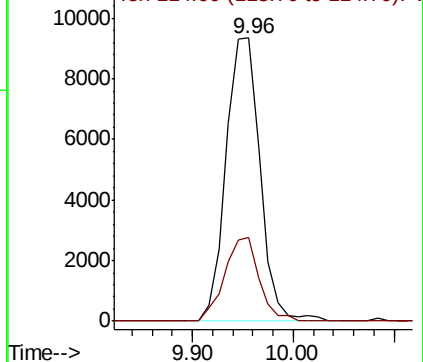
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.39 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

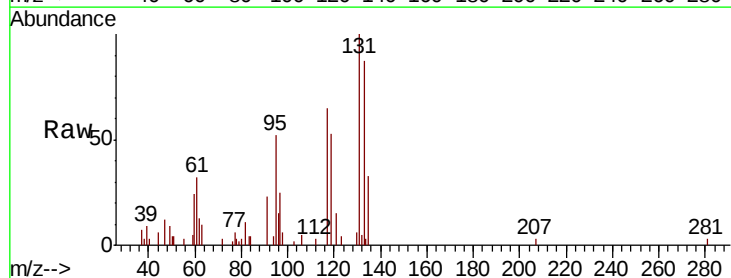
Tgt Ion:131 Resp: 9470

Ion Ratio Lower Upper

131 100

133 86.7 51.1 153.3

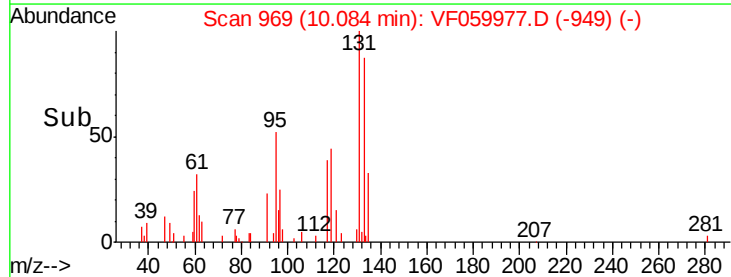
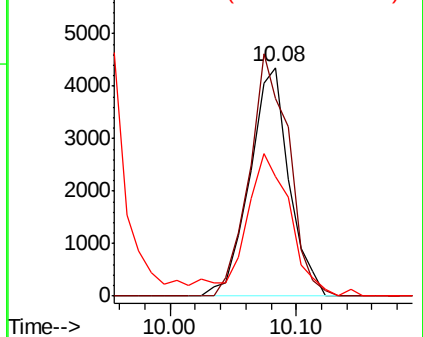
119 52.6 29.0 87.1

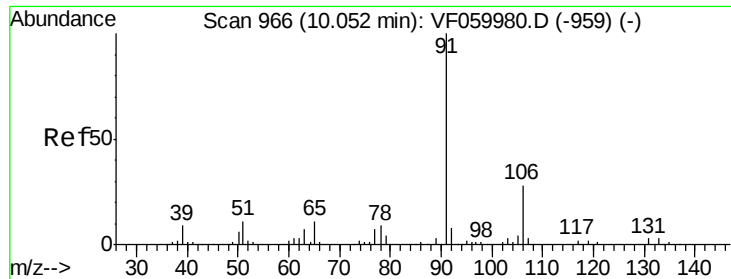


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





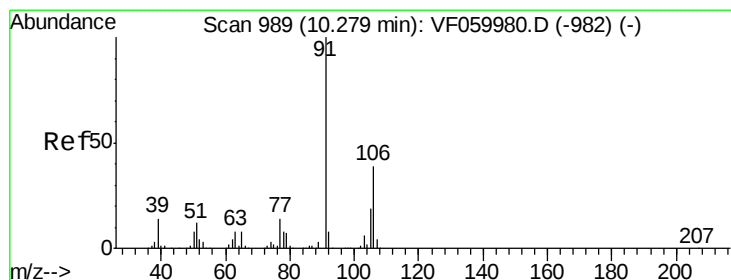
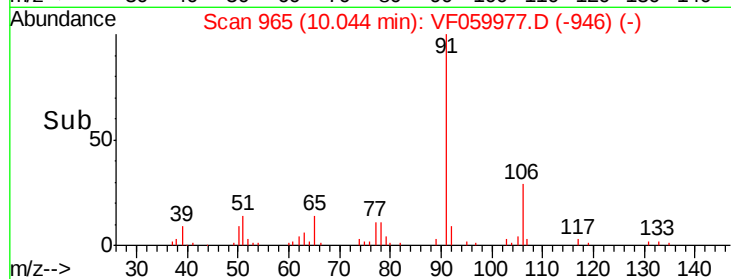
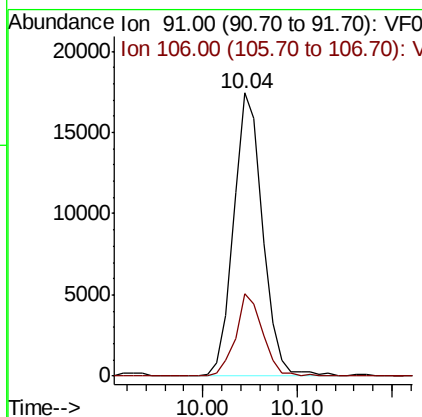
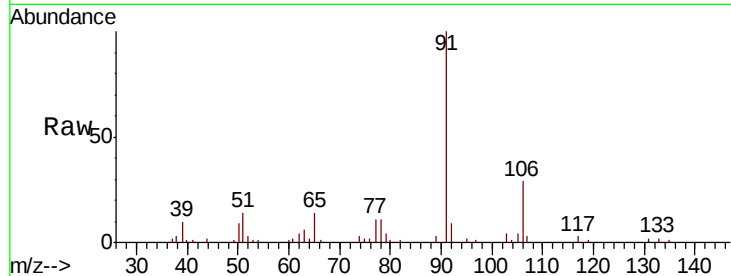
#67
Ethyl Benzene
Concen: 5.41 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 37110
Ion Ratio Lower Upper
91 100
106 29.1 22.0 33.0

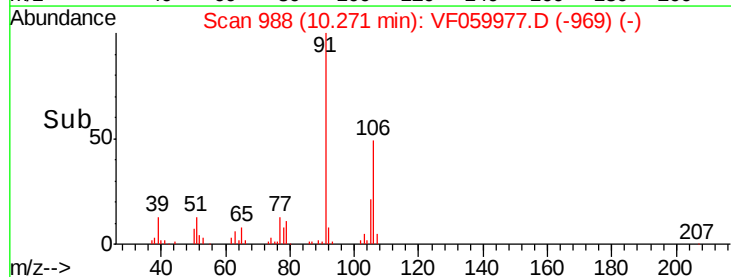
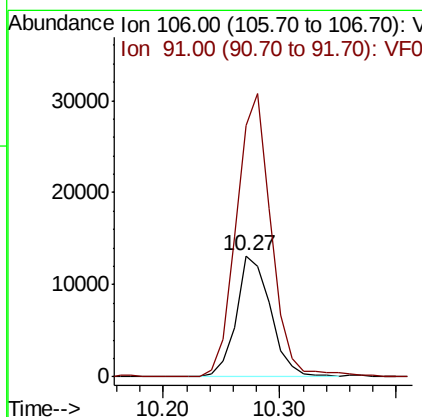
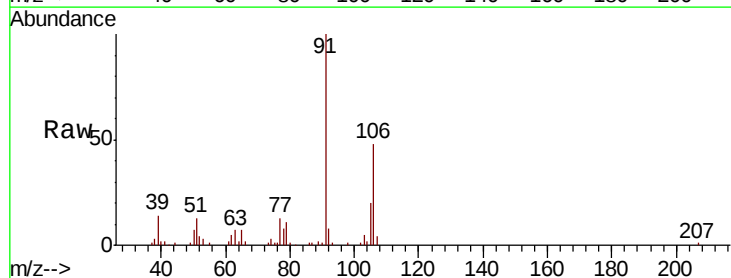
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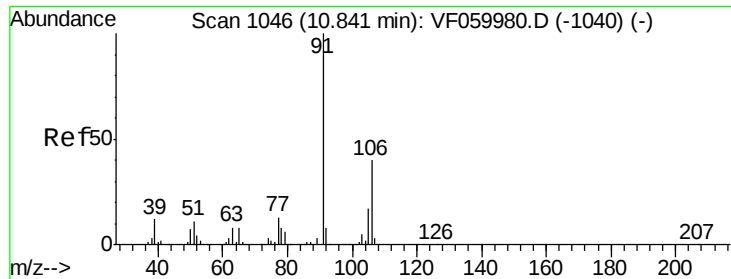
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#68
m/p-Xylenes
Concen: 11.22 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 106 Resp: 26801
Ion Ratio Lower Upper
106 100
91 208.5 203.5 305.3





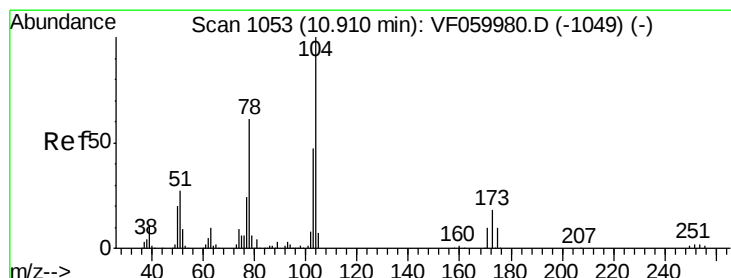
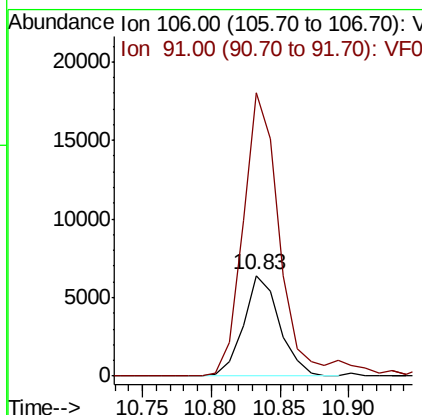
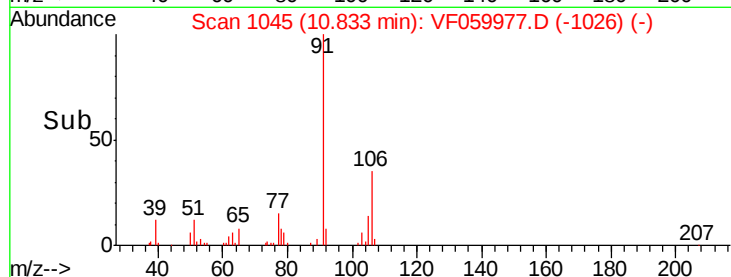
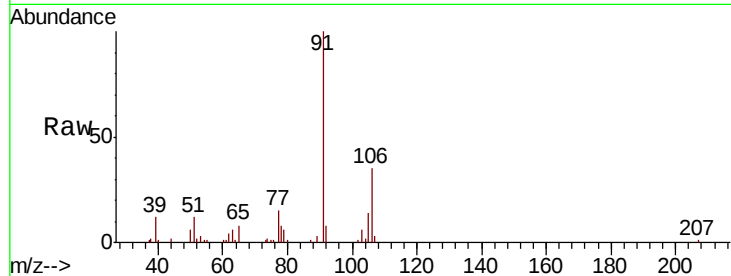
#69
o-Xylene
Concen: 4.77 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	281.9	125.4	376.2

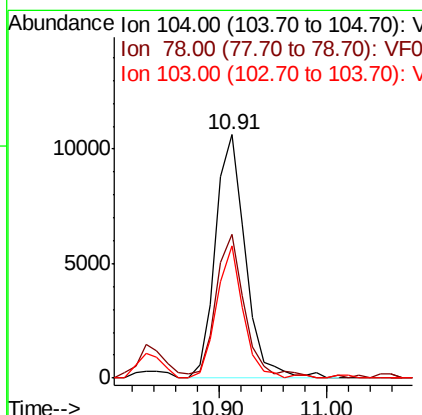
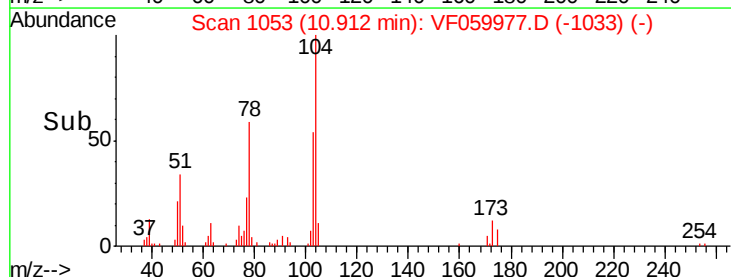
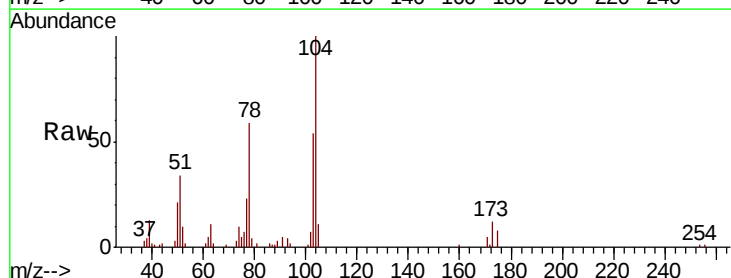
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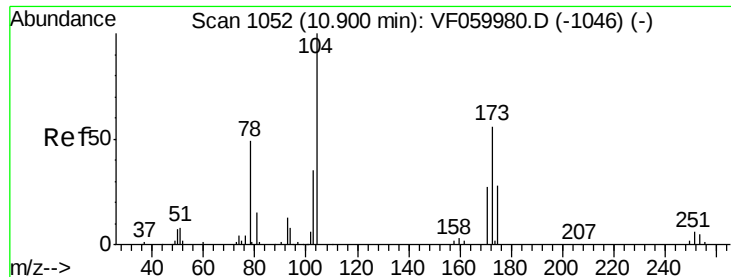
apatel
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#70
Styrene
Concen: 5.23 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.0	49.0	73.6
103	54.4	38.2	57.4





#71

Bromoform

Concen: 4.57 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 6039

Ion Ratio Lower Upper

173 100

175 54.1 24.8 74.3

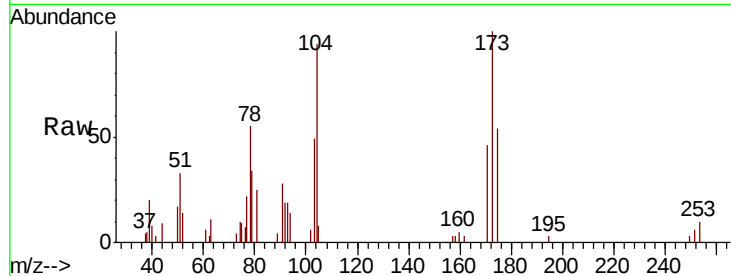
254 0.0 0.0 0.0

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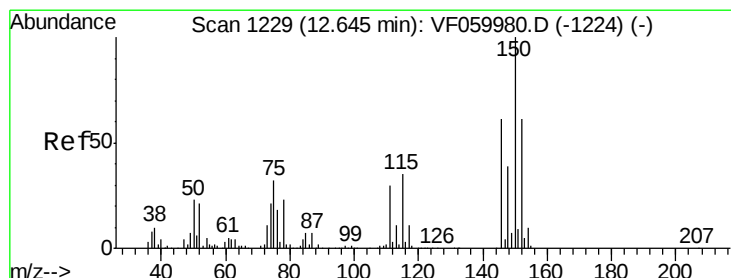
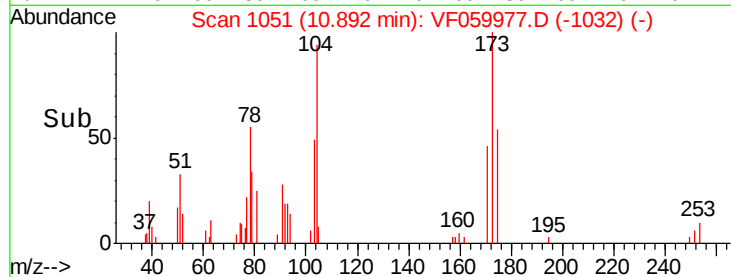
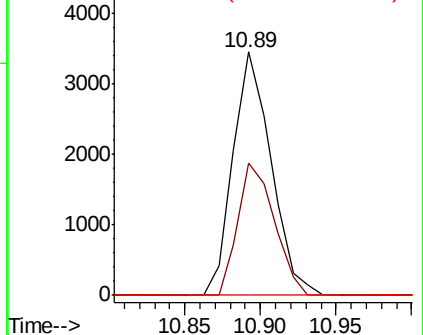
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

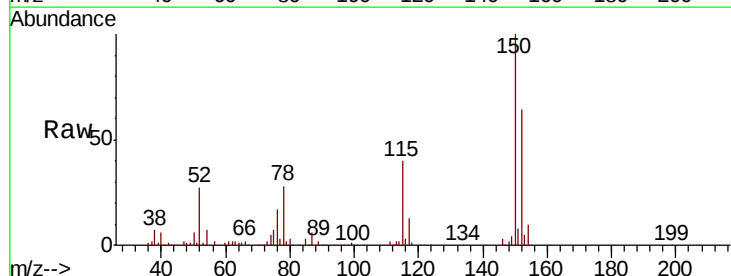
Tgt Ion:152 Resp: 133546

Ion Ratio Lower Upper

152 100

115 63.1 29.1 87.3

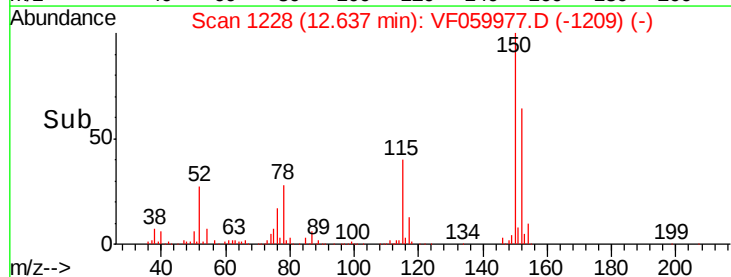
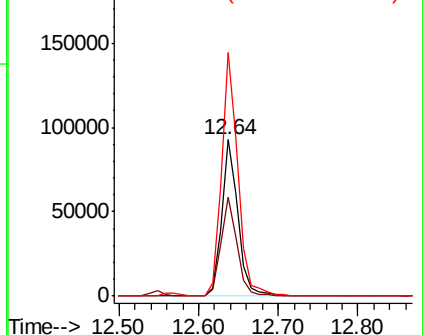
150 155.9 0.0 330.2

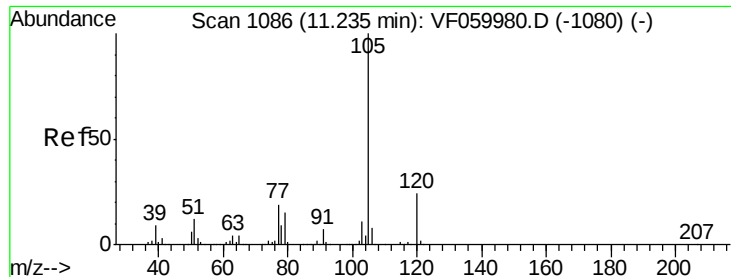


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.99 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 39840

Ion Ratio Lower Upper

105 100

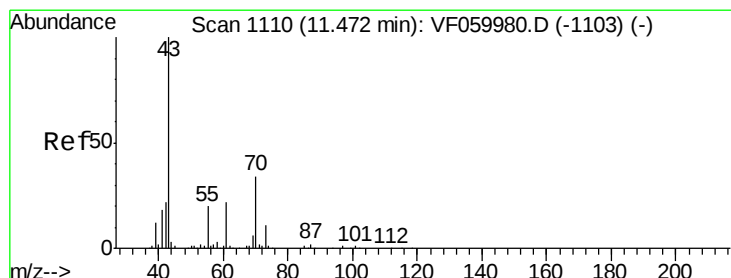
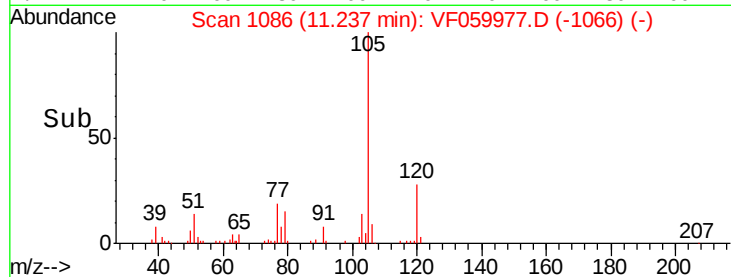
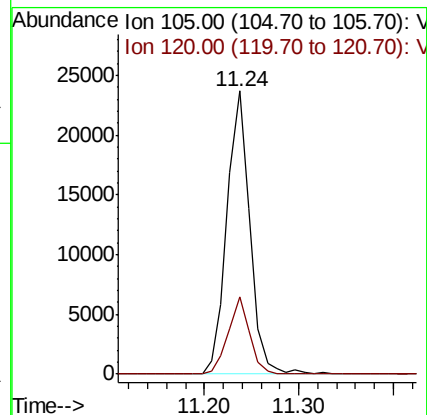
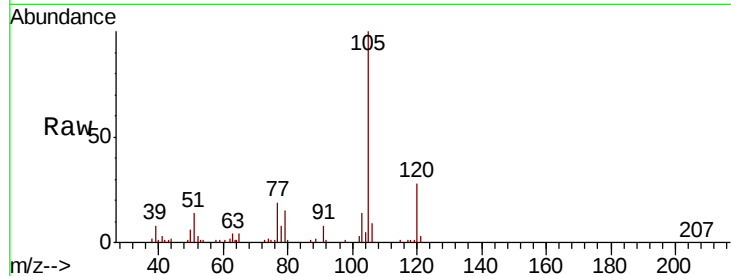
120 27.5 11.9 35.5

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#74

N-ethyl acetate

Concen: 4.45 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion: 43 Resp: 10517

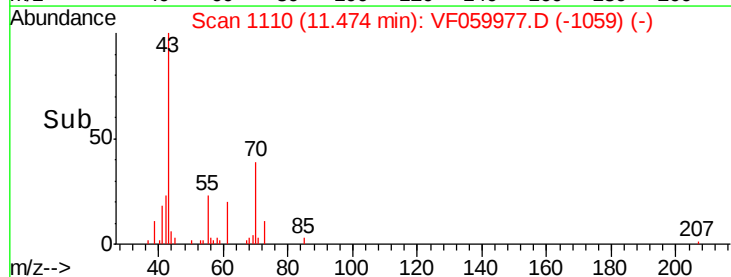
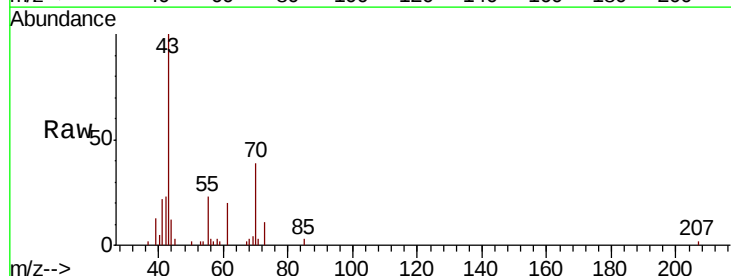
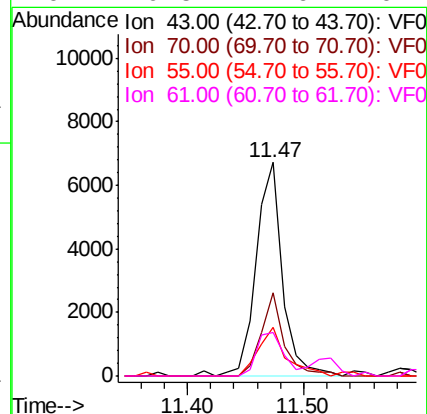
Ion Ratio Lower Upper

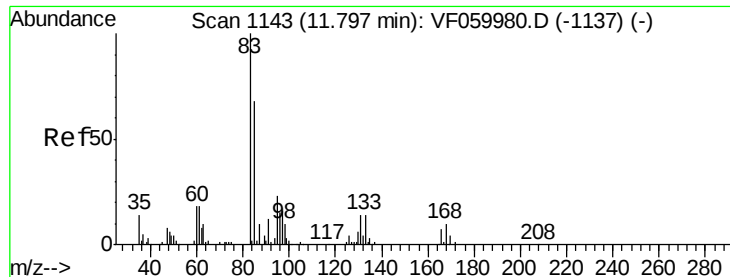
43 100

70 39.2 27.2 40.8

55 23.0 16.4 24.6

61 20.5 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.41 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

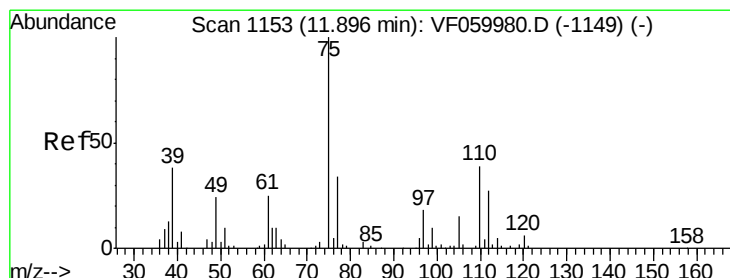
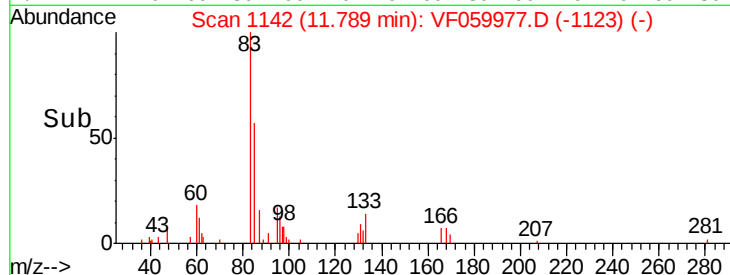
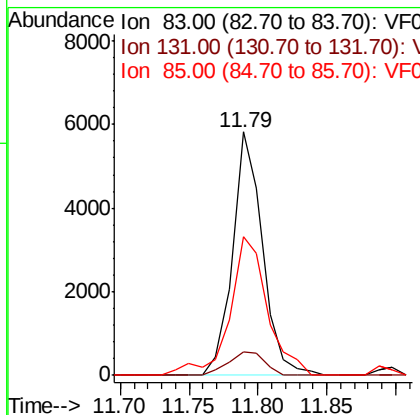
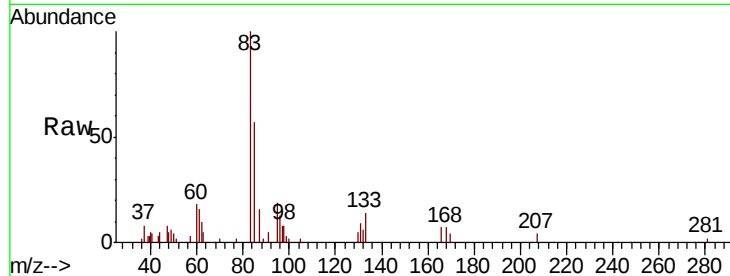
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	8811
Ion Ratio	Lower	Upper	
83	100		
131	9.4	7.2	21.6
85	57.2	34.1	102.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.02 ug/l

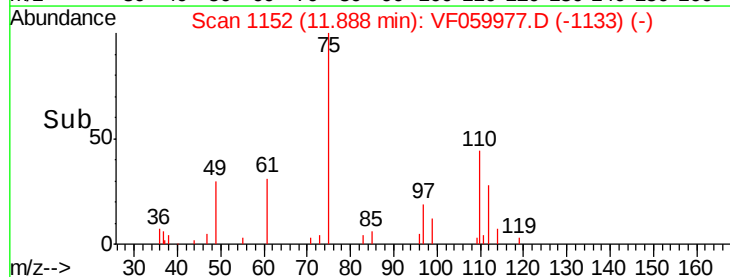
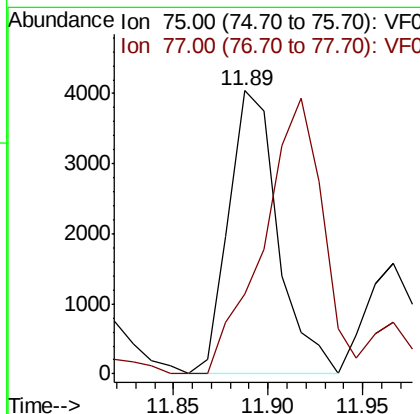
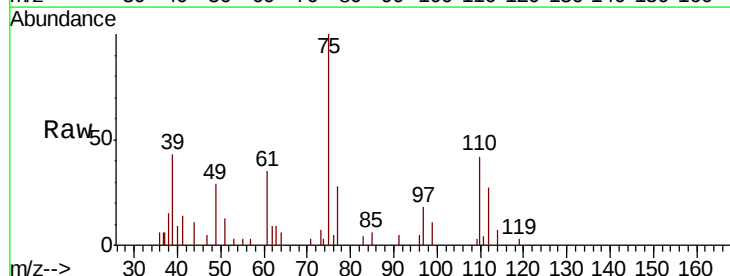
RT: 11.89 min Scan# 1152

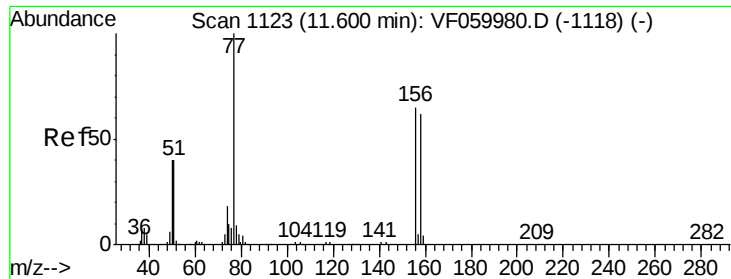
Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	75	Resp:	7310
Ion Ratio	Lower	Upper	
75	100		
77	28.4	17.1	51.3





#77

Bromobenzene

Concen: 5.45 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

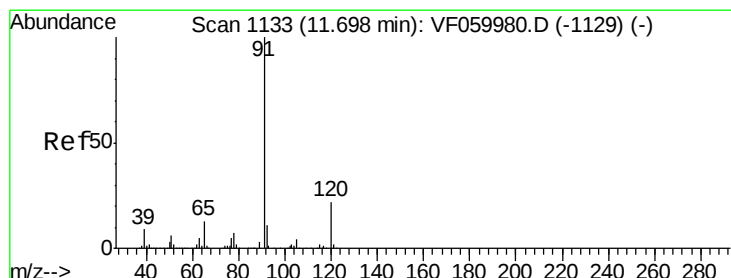
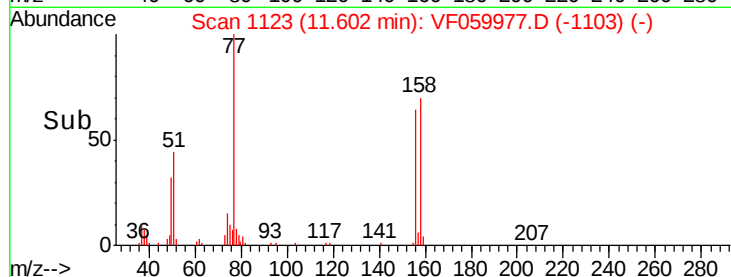
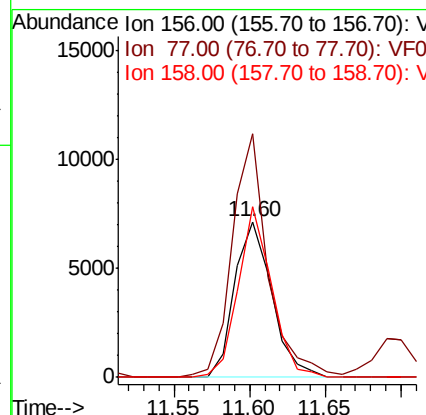
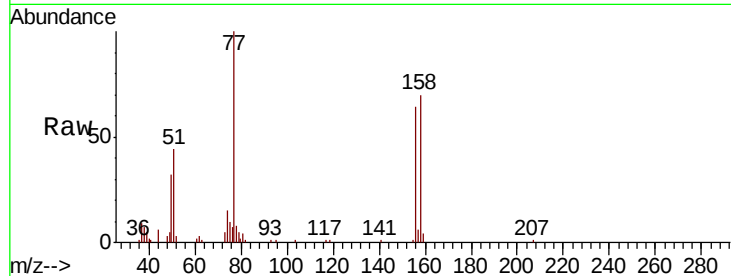
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	12271
Ion Ratio	Lower	Upper	
156	100		
77	156.2	76.9	230.7
158	109.5	47.7	143.1

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#78

n-propylbenzene

Concen: 5.78 ug/l

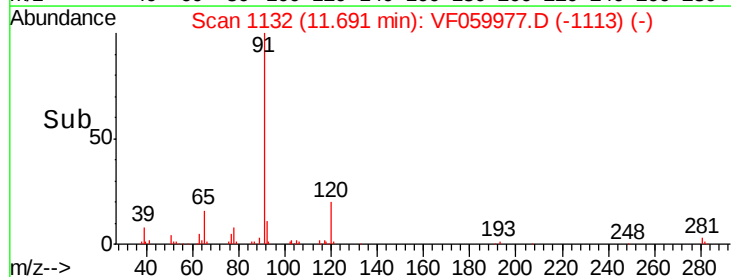
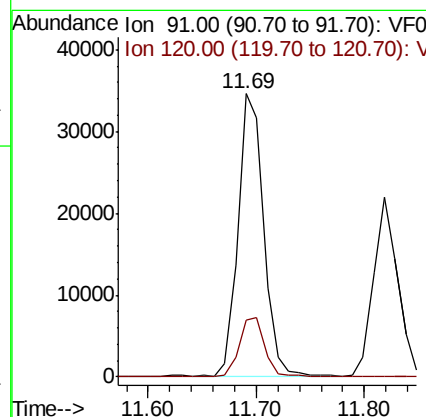
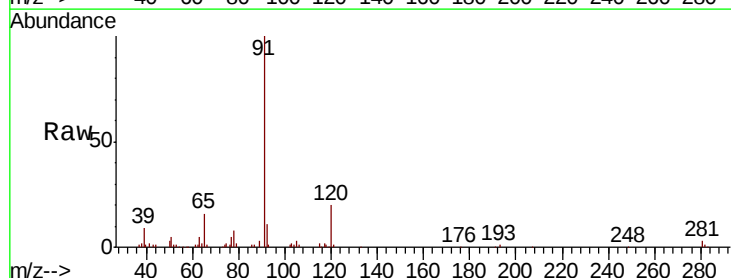
RT: 11.69 min Scan# 1132

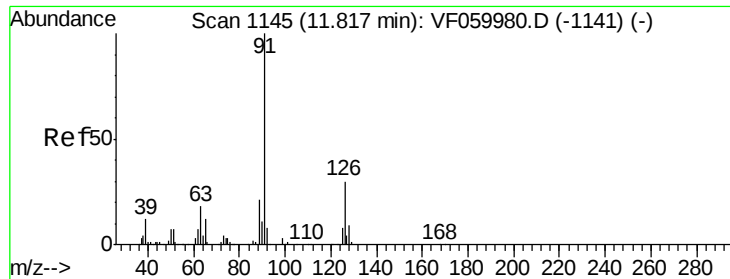
Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	91	Resp:	57345
Ion Ratio	Lower	Upper	
91	100		
120	20.3	11.0	33.0





#79

2-Chlorotoluene

Concen: 5.63 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 34226

Ion Ratio Lower Upper

91 100

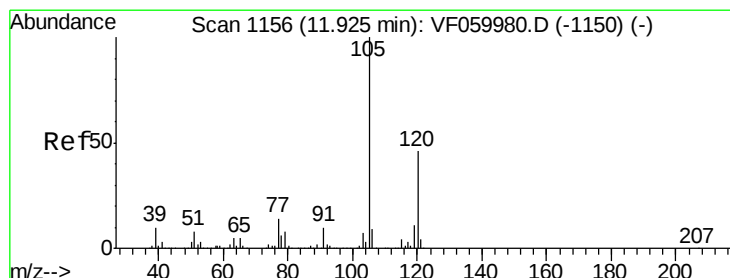
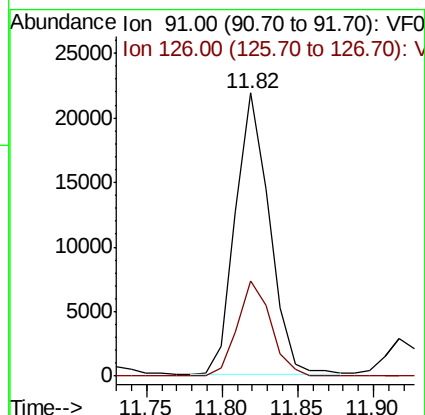
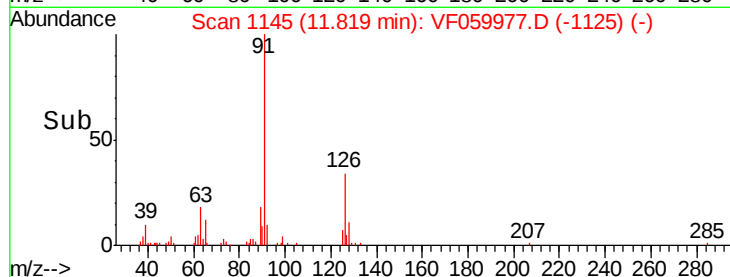
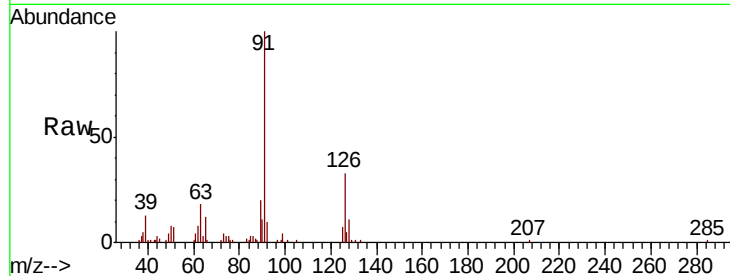
126 33.5 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 5.38 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059977.D

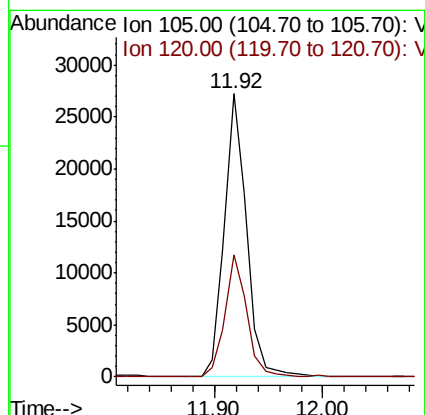
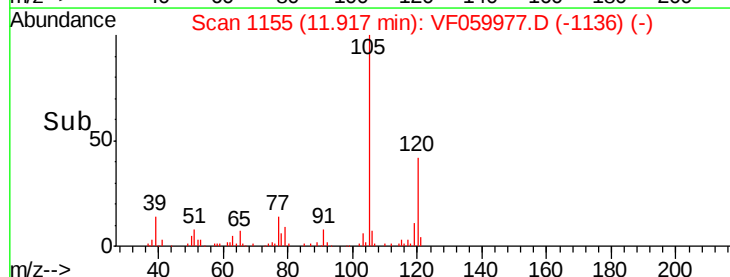
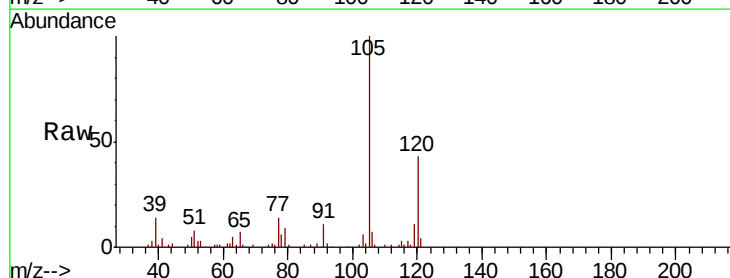
Acq: 17 Aug 2018 17:09

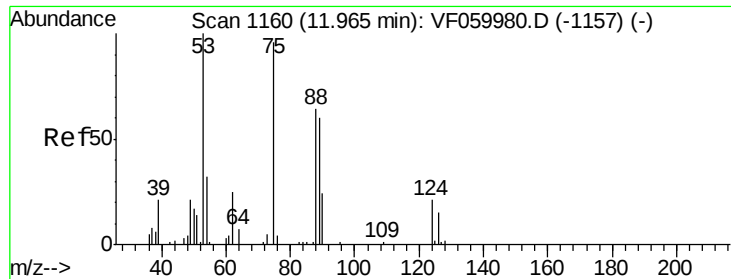
Tgt Ion: 105 Resp: 38907

Ion Ratio Lower Upper

105 100

120 42.9 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.12 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

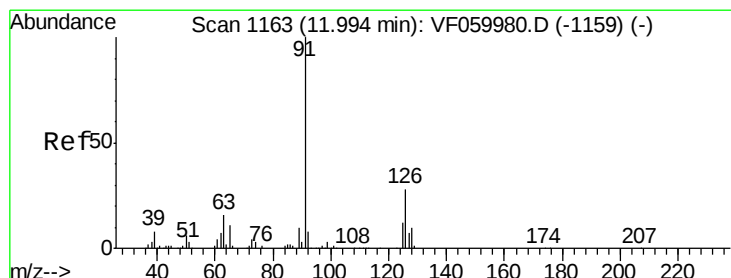
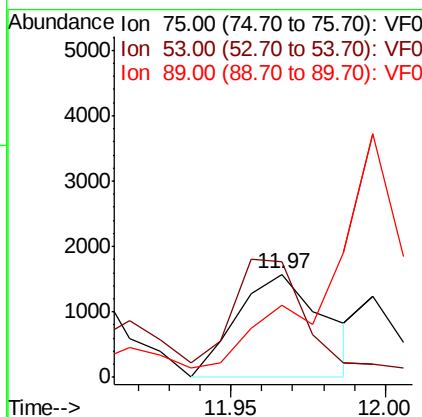
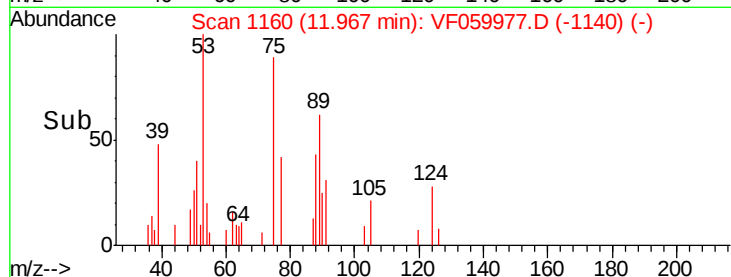
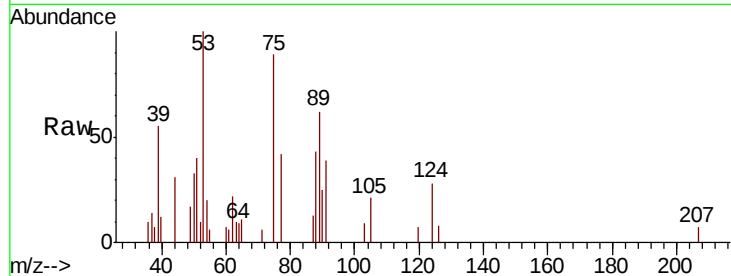
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3095
Ion	Ratio	Lower	Upper
75	100		
53	112.5	87.4	131.0
89	69.4	52.8	79.2

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#82

4-Chlorotoluene

Concen: 5.28 ug/l

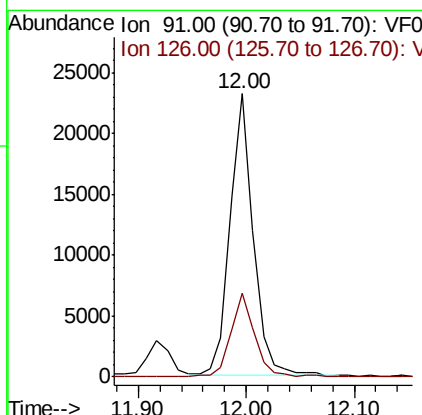
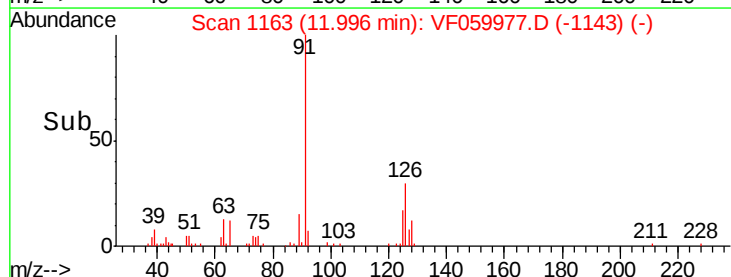
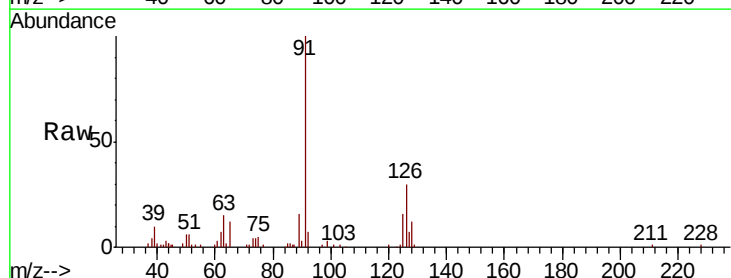
RT: 12.00 min Scan# 1163

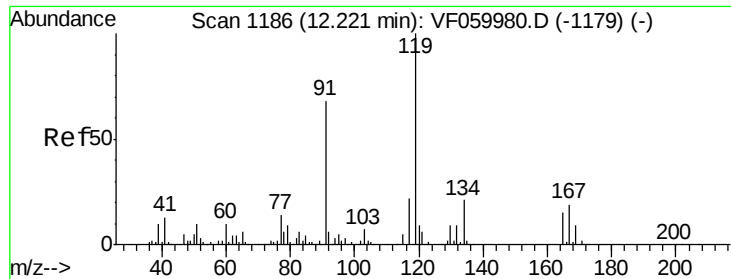
Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	91	Resp:	34908
Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.1	42.4





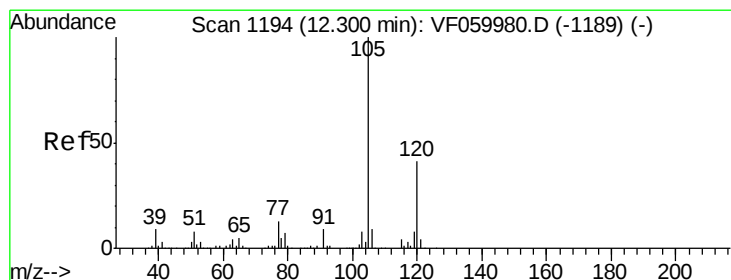
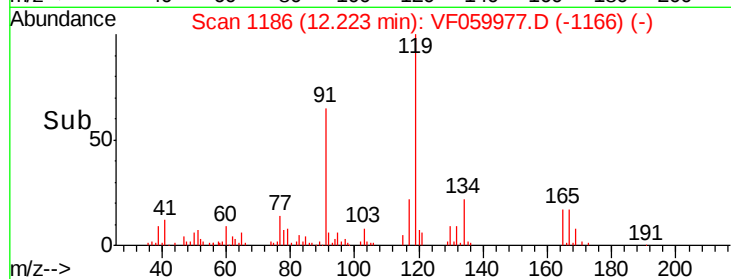
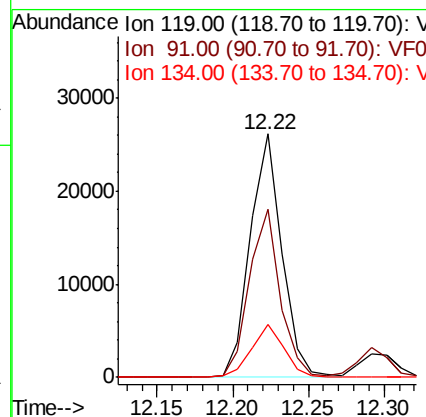
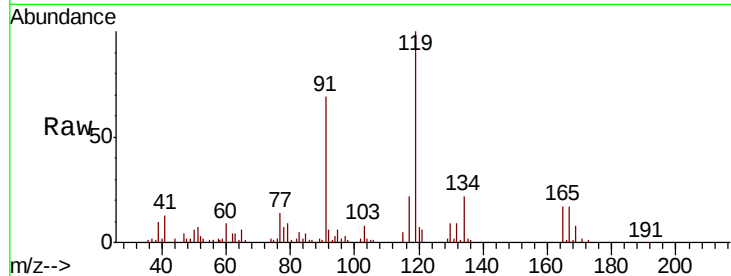
#83
 tert-Butylbenzene
 Concen: 5.37 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.2
134	21.9	10.5	31.6

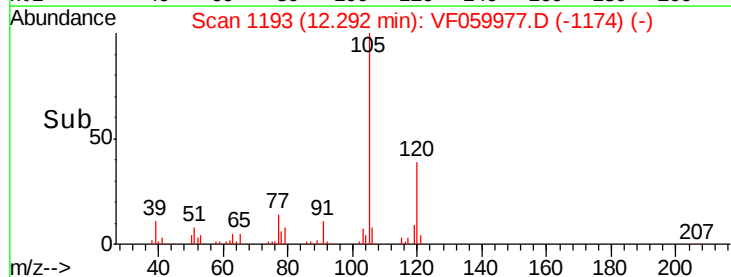
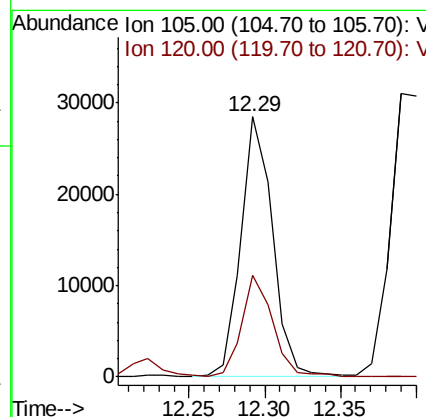
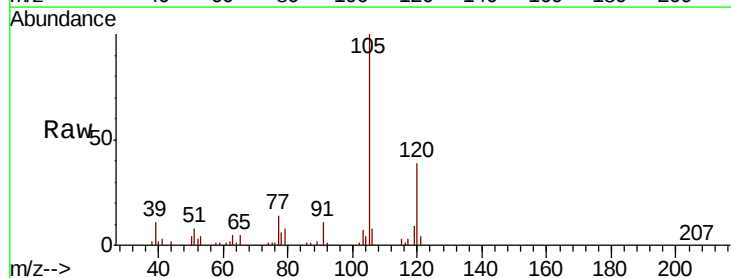
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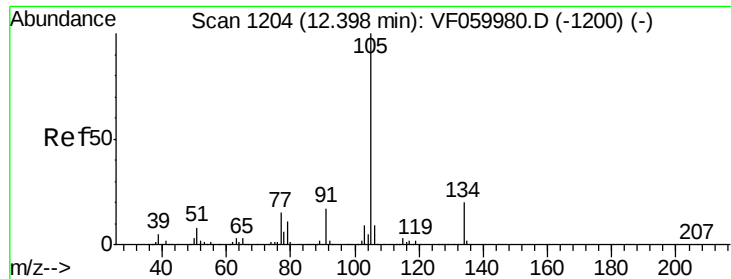
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.48 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.3	20.9	62.7





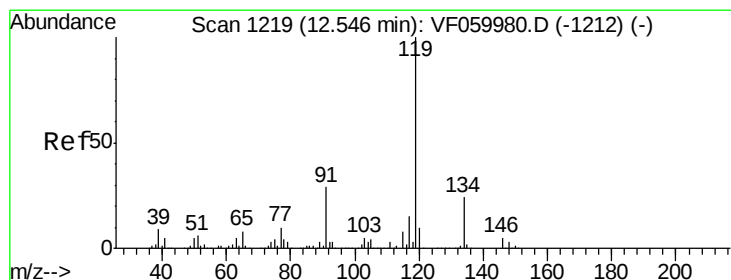
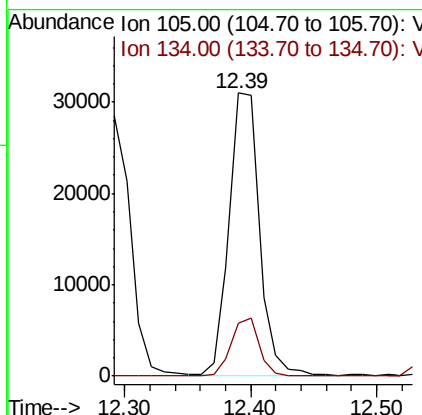
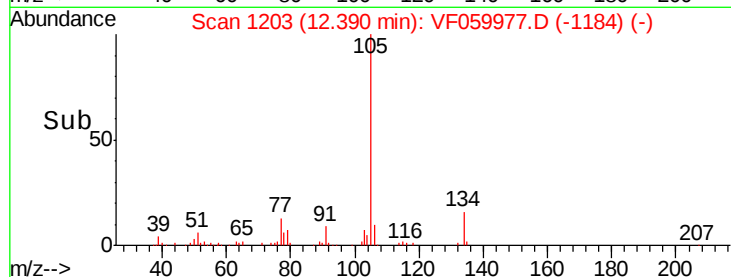
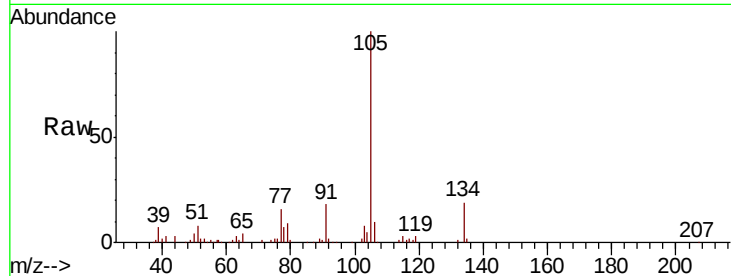
#85
 sec-Butylbenzene
 Concen: 5.55 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.8	29.5

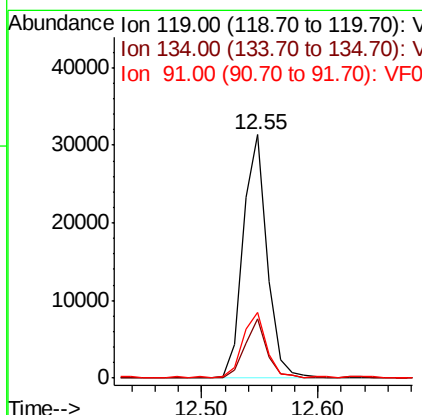
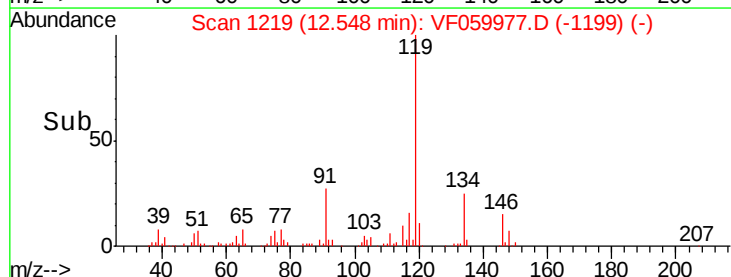
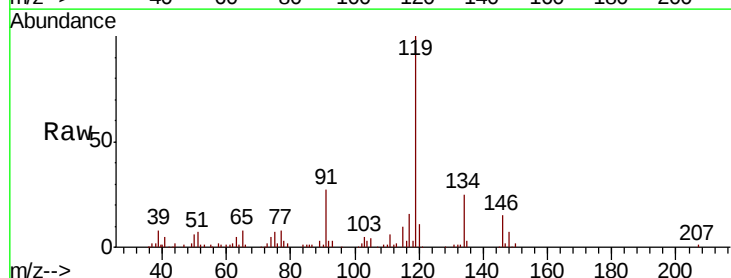
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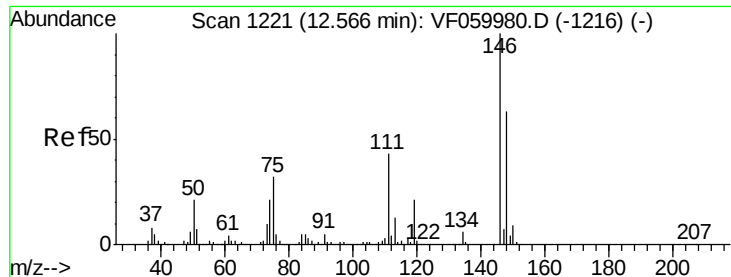
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#86
 p-Isopropyltoluene
 Concen: 5.41 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.1	36.3
91	27.0	14.4	43.4





#87

1,3-Dichlorobenzene

Concen: 5.86 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

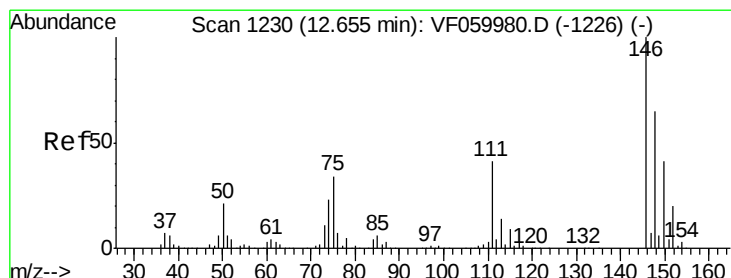
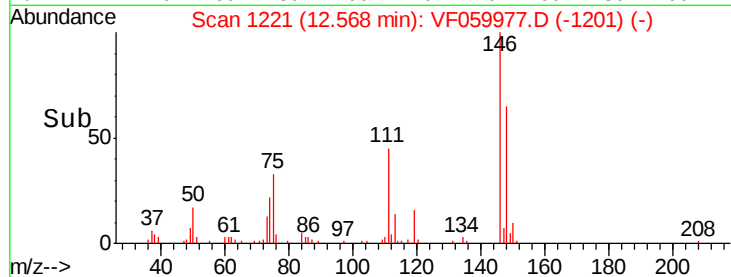
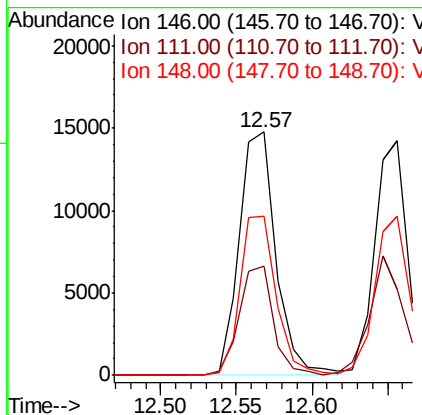
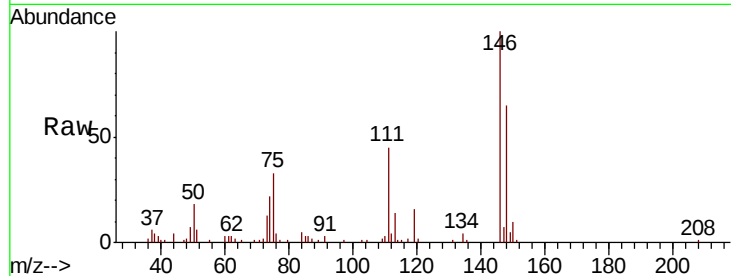
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	24969
Ion Ratio	Lower	Upper	
146	100		
111	44.9	21.3	63.7
148	65.3	31.6	95.0

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#88

1,4-Dichlorobenzene

Concen: 5.43 ug/l

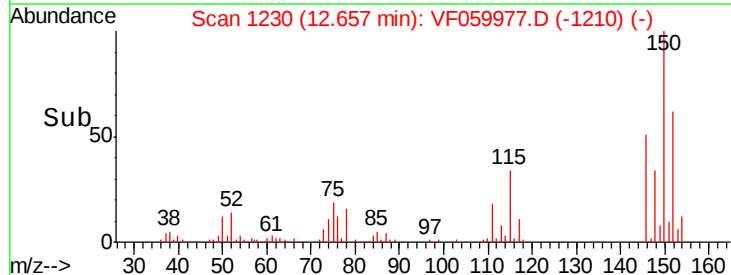
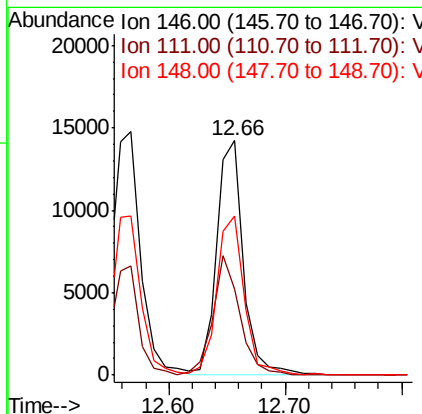
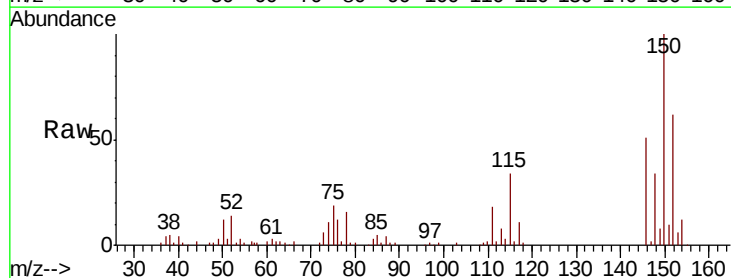
RT: 12.66 min Scan# 1230

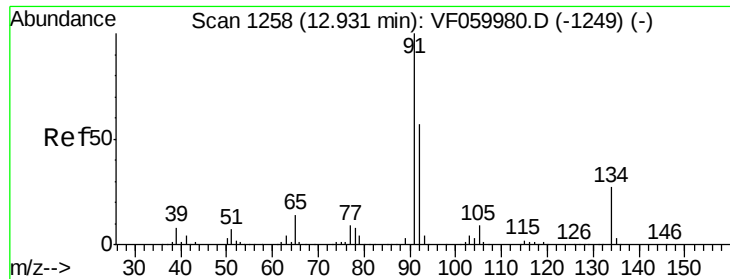
Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	146	Resp:	22648
Ion Ratio	Lower	Upper	
146	100		
111	36.5	20.3	61.0
148	67.9	32.6	97.8





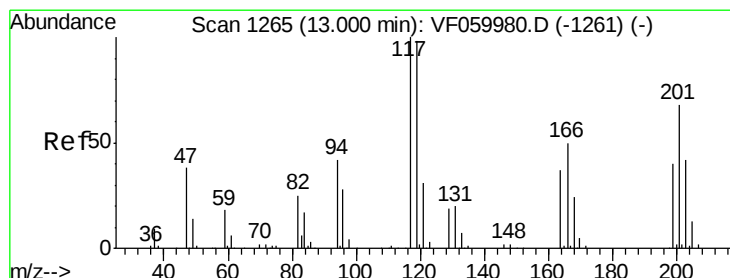
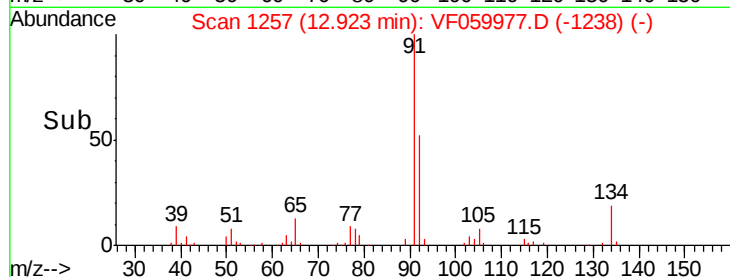
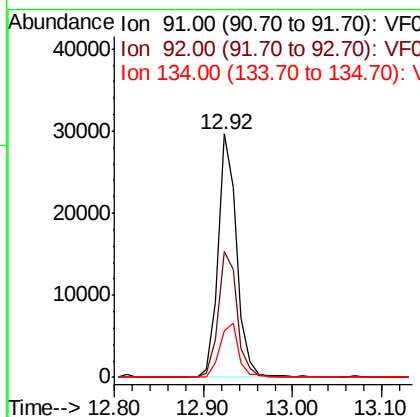
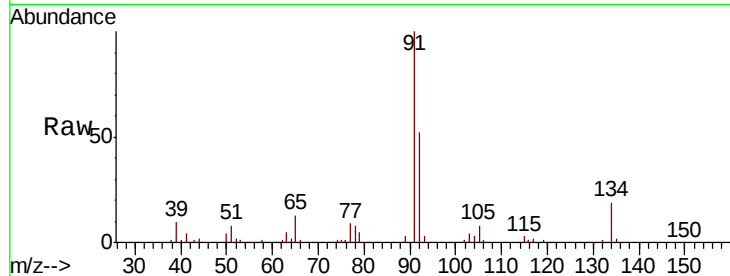
#89
n-Butylbenzene
Concen: 5.43 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	28.7	86.3
134	19.3	13.3	39.9

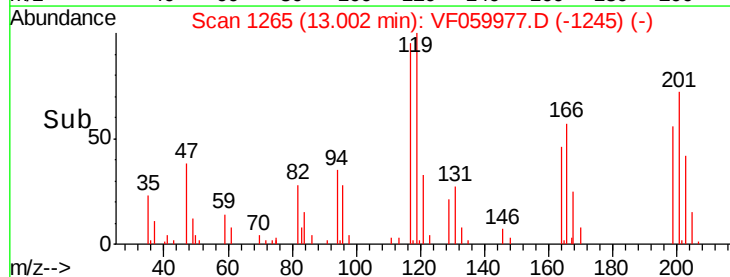
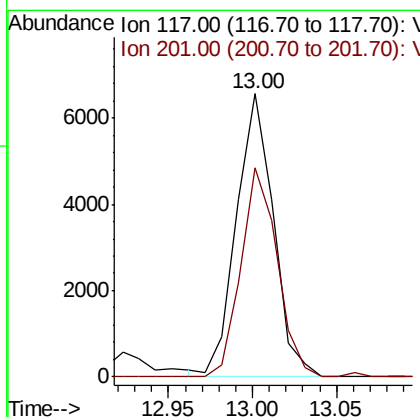
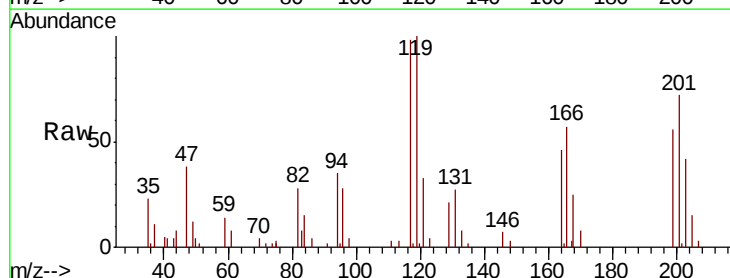
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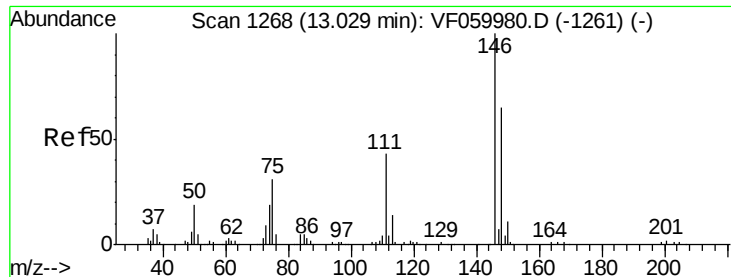
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#90
Hexachloroethane
Concen: 5.38 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.9	34.5	103.5





#91

1,2-Dichlorobenzene

Concen: 5.76 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

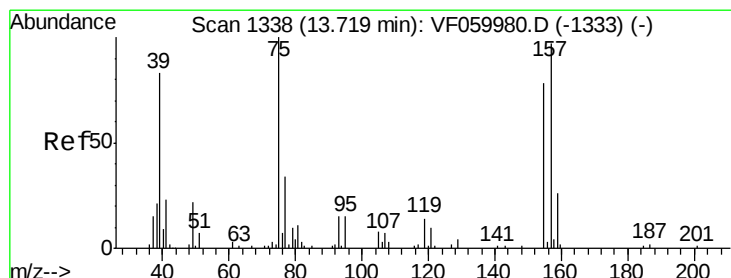
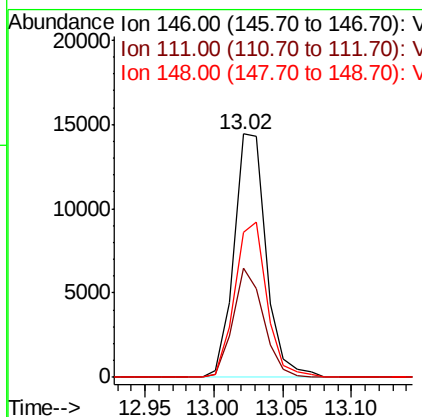
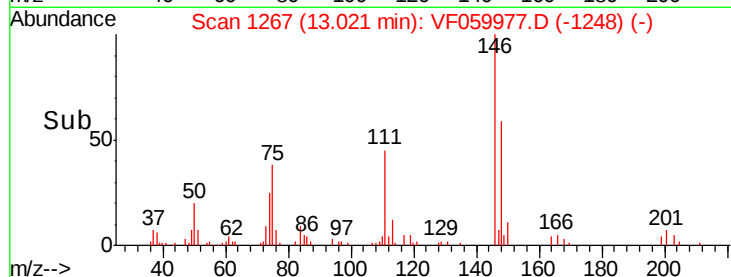
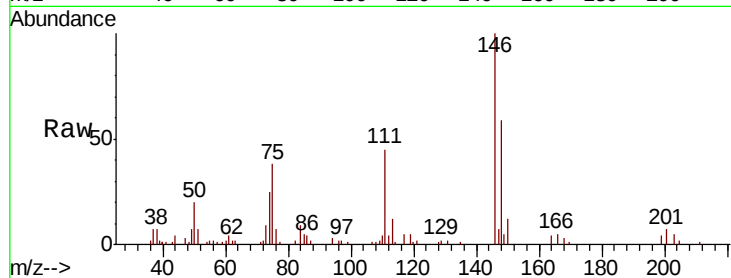
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	23616
Ion Ratio	Lower	Upper	
146	100		
111	44.7	21.4	64.3
148	59.3	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.21 ug/l

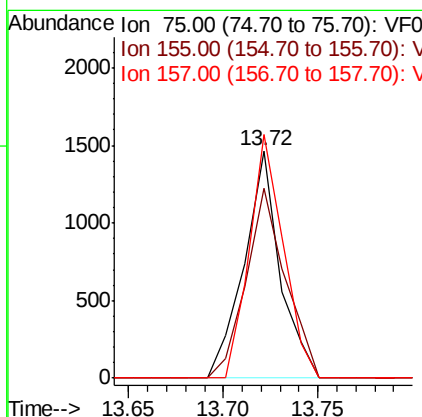
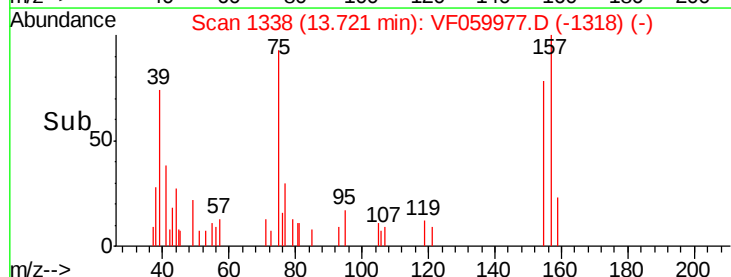
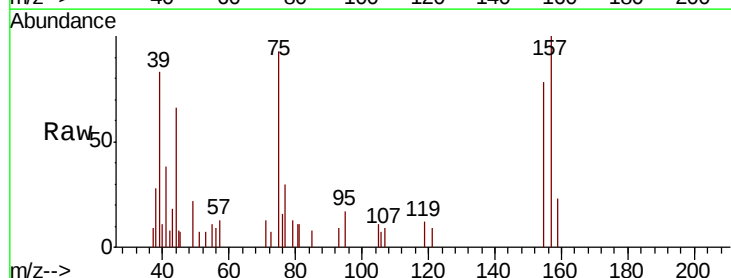
RT: 13.72 min Scan# 1338

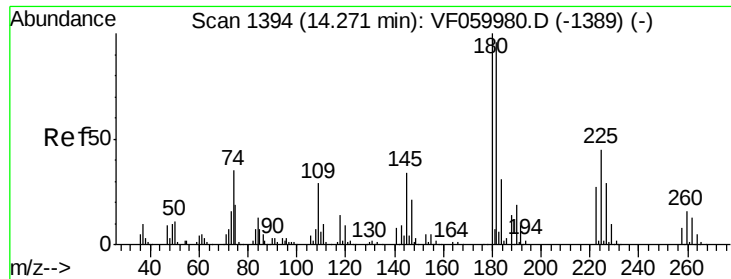
Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion:	75	Resp:	1933
Ion Ratio	Lower	Upper	
75	100		
155	83.4	38.9	116.7
157	107.1	50.8	152.5





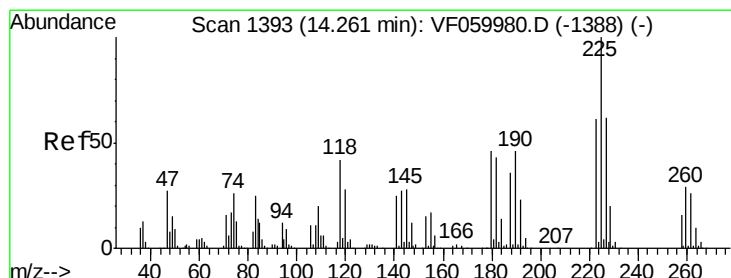
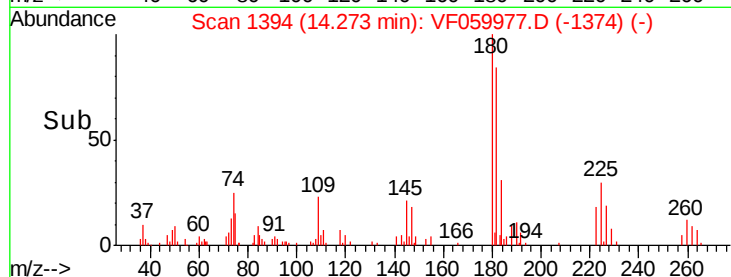
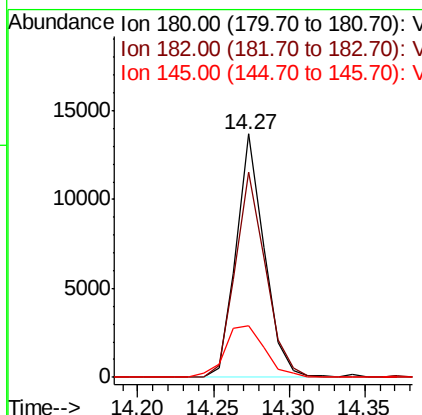
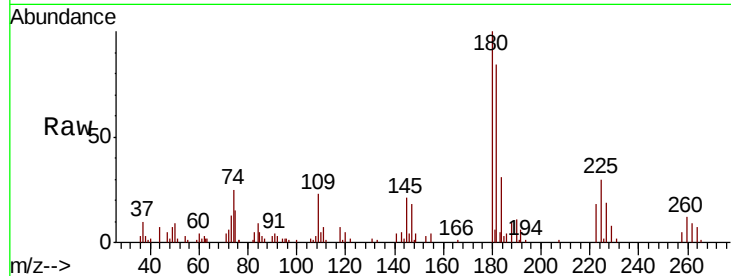
#93
 1,2,4-Trichlorobenzene
 Concen: 5.33 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	17732		
182	84.5	47.9	143.6	
145	21.3	17.2	51.5	

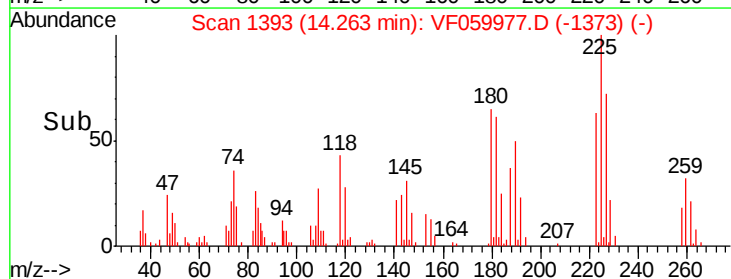
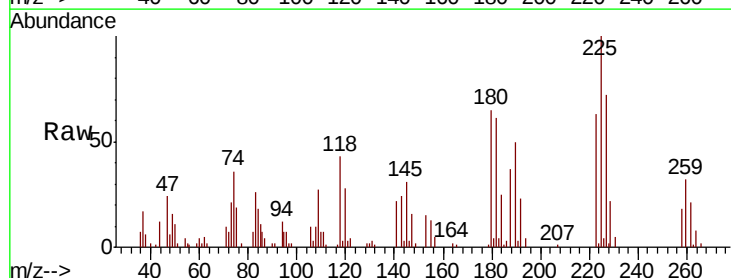
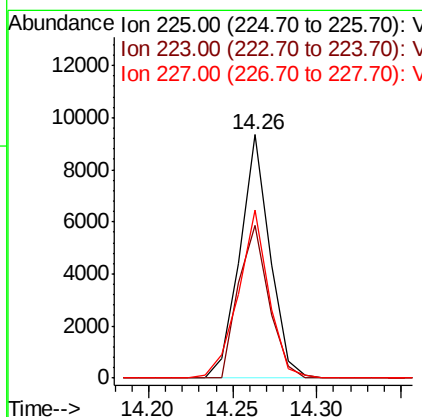
Manual Integrations
 APPROVED

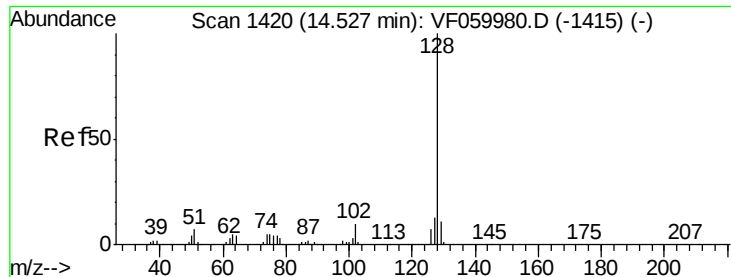
apatel
 8/20/2018 11:47:07 AM



#94
 Hexachlorobutadiene
 Concen: 5.29 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11608		
223	62.9	29.1	87.4	
227	68.8	29.8	89.5	





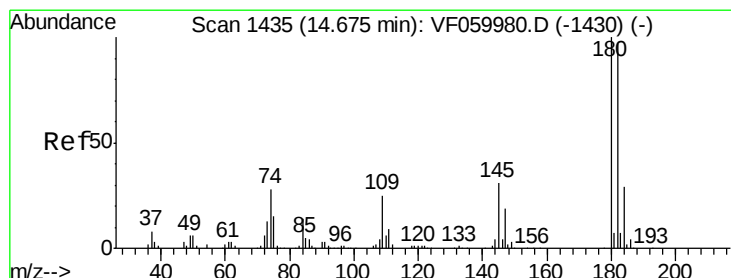
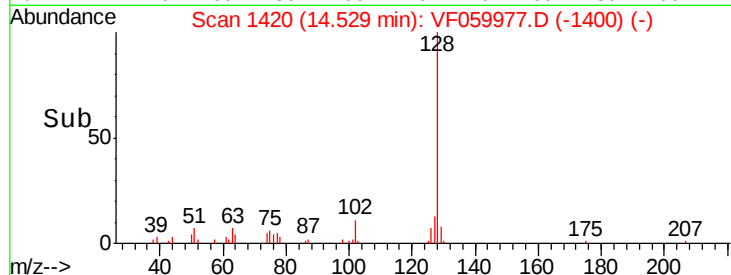
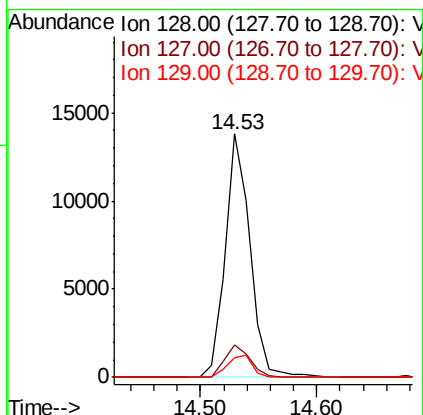
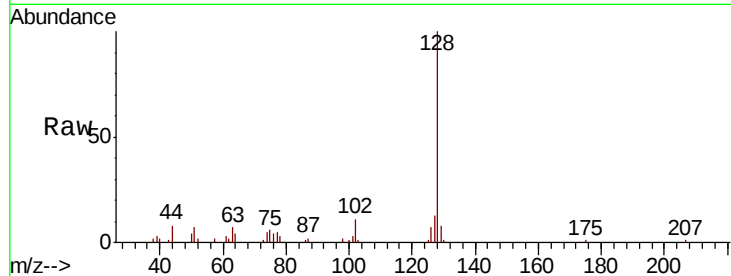
#95
Naphthalene
Concen: 4.19 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	8.0	9.0	13.4

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.14 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.5	48.5	145.5
145	27.8	15.7	47.1

