

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059982.D
 Acq On : 17 Aug 2018 19:27
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:48:36 AM

Quant Time: Aug 18 00:05:53 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	5.05	168	118097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	174983	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	170125	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	125732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	242023	105.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.48%	
35) Dibromofluoromethane	4.30	113	179872	101.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.02%	
50) Toluene-d8	7.71	98	418506	106.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.00%	
62) 4-Bromofluorobenzene	11.52	95	248969	102.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	190768	95.38	ug/l	97
3) Chloromethane	1.08	50	92676	89.98	ug/l	91
4) Vinyl Chloride	1.12	62	122204	103.38	ug/l	97
5) Bromomethane	1.32	94	109884	94.99	ug/l	99
6) Chloroethane	1.40	64	60410	97.80	ug/l	95
7) Trichlorofluoromethane	1.48	101	312554	97.80	ug/l	98
8) Diethyl Ether	1.71	74	54608	106.94	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.86	101	152261	94.93	ug/l	100
10) Methyl Iodide	1.93	142	202716	99.18	ug/l	97
11) Tert butyl alcohol	2.70	59	72192	509.55	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	110637	99.61	ug/l	87
13) Acrolein	2.10	56	53506	714.88	ug/l	93
14) Allyl chloride	2.19	41	173594	92.08	ug/l	92
15) Acrylonitrile	3.08	53	96770	411.12	ug/l	97
16) Acetone	2.35	43	318521	430.57	ug/l	100
17) Carbon Disulfide	1.84	76	325958	92.16	ug/l	97
18) Methyl Acetate	2.46	43	118474	80.64	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	376799	100.44	ug/l	99
20) Methylene Chloride	2.28	84	125573	80.51	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	116904	98.72	ug/l	98
22) Diisopropyl ether	2.93	45	413224	101.52	ug/l #	96
23) Vinyl Acetate	3.34	43	902741	541.39	ug/l	98
24) 1,1-Dichloroethane	3.00	63	245458	91.63	ug/l	99
25) 2-Butanone	4.51	43	271537	469.21	ug/l	96
26) 2,2-Dichloropropane	3.77	77	253258	108.33	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	113694	105.27	ug/l	95
28) Bromochloromethane	3.90	49	76591	100.23	ug/l	94
29) Tetrahydrofuran	4.26	42	99250	480.20	ug/l	99
30) Chloroform	4.05	83	311705	102.08	ug/l	98
31) Cyclohexane	3.87	56	118185	98.18	ug/l #	95
32) 1,1,1-Trichloroethane	4.28	97	299114	100.55	ug/l	98
36) 1,1-Dichloropropene	4.47	75	191097	96.78	ug/l	98
37) Ethyl Acetate	4.29	43	107584	92.40	ug/l	99
38) Carbon Tetrachloride	4.18	117	278060	98.01	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	142883	95.54	ug/l	99
40) Benzene	4.82	78	338276	100.69	ug/l	96
41) Methacrylonitrile	4.93	41	53899	97.69	ug/l #	94
42) 1,2-Dichloroethane	5.12	62	272401	93.62	ug/l	98
43) Isopropyl Acetate	7.11	43	137852	108.62	ug/l #	89
44) Trichloroethene	5.68	130	120145	91.60	ug/l	90
45) 1,2-Dichloropropane	6.41	63	97706	101.97	ug/l	97
46) Dibromomethane	6.27	93	99917	102.81	ug/l	97
47) Bromodichloromethane	6.56	83	264048	102.88	ug/l	98
48) Methyl methacrylate	6.88	41	100326	106.05	ug/l	99
49) 1,4-Dioxane	6.87	88	16902	2231.94	ug/l #	72
51) 4-Methyl-2-Pentanone	8.41	43	577794	487.54	ug/l	99
52) Toluene	7.79	92	234997	92.87	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	227318	104.31	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	212093	100.97	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	104052	100.30	ug/l	94
56) Ethyl methacrylate	8.77	69	130165	107.68	ug/l	98
57) 1,3-Dichloropropane	9.01	76	184537	100.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	55834	561.90	ug/l	100
59) 2-Hexanone	9.64	43	455502	462.59	ug/l	96
60) Dibromochloromethane	8.87	129	196510	104.64	ug/l	97
61) 1,2-Dibromoethane	9.14	107	126628	96.76	ug/l	94
64) Tetrachloroethene	8.32	164	133261	104.36	ug/l	90
65) Chlorobenzene	9.95	112	329684	99.32	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.08	131	160777	105.39	ug/l	95
67) Ethyl Benzene	10.05	91	629531	105.66	ug/l	99
68) m/p-Xylenes	10.28	106	423356	204.15	ug/l	91
69) o-Xylene	10.84	106	232333	108.94	ug/l	97
70) Styrene	10.91	104	361595	106.46	ug/l	100
71) Bromoform	10.90	173	128776	112.11	ug/l	94
73) Isopropylbenzene	11.23	105	737425	98.08	ug/l	99
74) N-amyl acetate	11.47	43	228796	102.89	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	141442	92.23	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	125005	91.18	ug/l	99
77) Bromobenzene	11.60	156	192621	90.80	ug/l	98
78) n-propylbenzene	11.70	91	842434	90.23	ug/l	98
79) 2-Chlorotoluene	11.83	91	516741	90.36	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	637463	93.66	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	53112m	75.14	ug/l	
82) 4-Chlorotoluene	11.99	91	585748	94.07	ug/l	97
83) tert-Butylbenzene	12.22	119	606716	90.18	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	695179	97.25	ug/l	98
85) sec-Butylbenzene	12.40	105	828093	94.07	ug/l	99
86) p-Isopropyltoluene	12.54	119	740998	95.22	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	357570	89.16	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	368807	93.92	ug/l	99
89) n-Butylbenzene	12.93	91	723237	96.15	ug/l	98
90) Hexachloroethane	13.00	117	173257	98.95	ug/l	98
91) 1,2-Dichlorobenzene	13.03	146	353718	91.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	43814	101.34	ug/l	95

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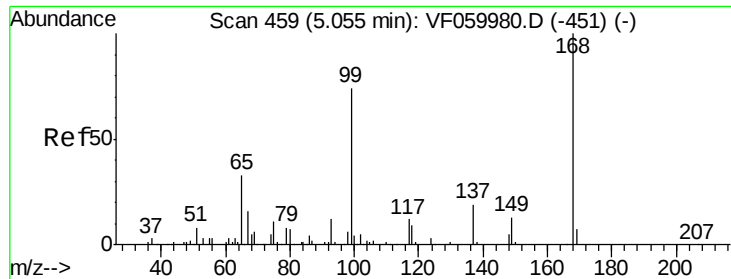
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	297309	94.96	µg/l	99
94) Hexachlorobutadiene	14.26	225	197686	95.62	µg/l	94
95) Naphthalene	14.53	128	523795	115.03	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	300132	99.23	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 118097

Ion Ratio Lower Upper

168 100

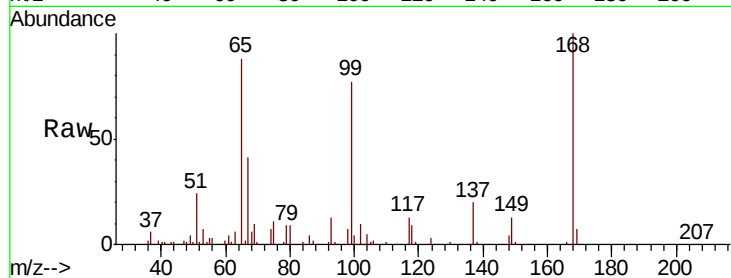
99 77.1 59.0 88.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

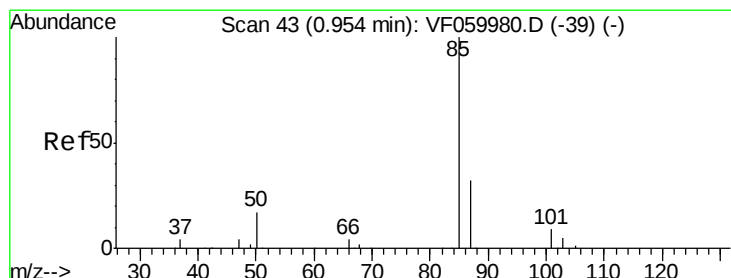
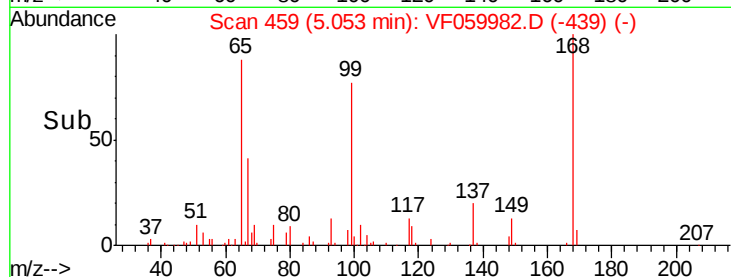
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 95.38 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF059982.D

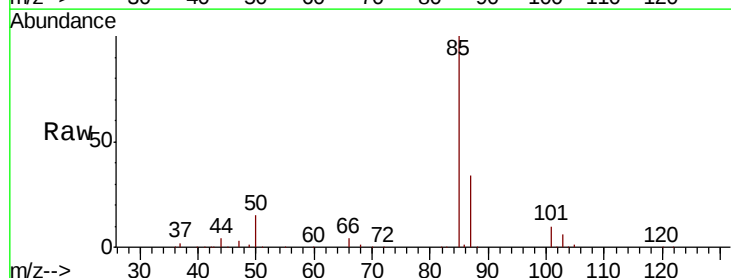
Acq: 17 Aug 2018 19:27

Tgt Ion: 85 Resp: 190768

Ion Ratio Lower Upper

85 100

87 33.7 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

150000

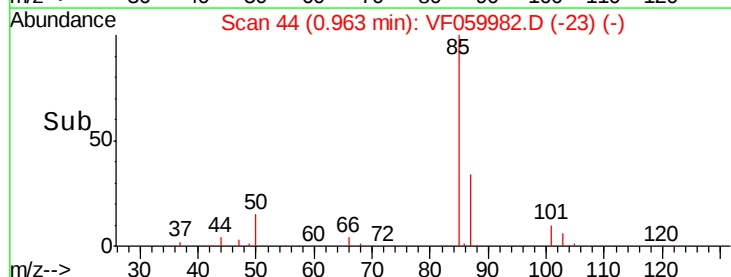
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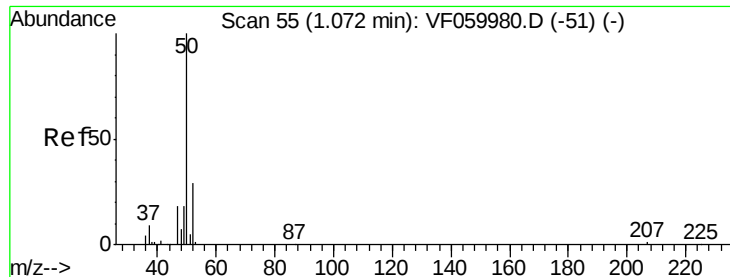
50000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 89.98 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 92676

Ion Ratio Lower Upper

50 100

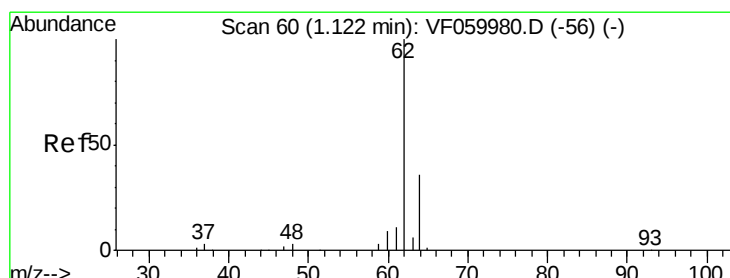
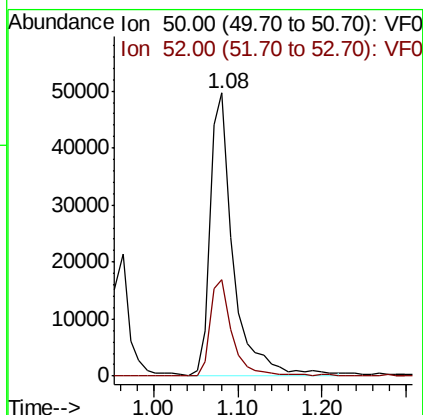
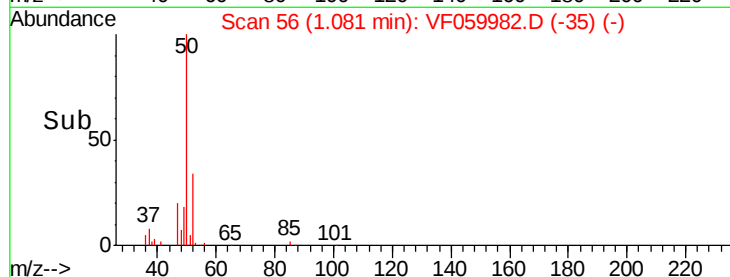
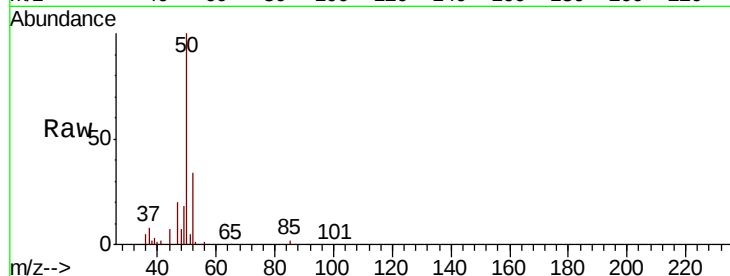
52 34.3 23.6 35.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 103.38 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF059982.D

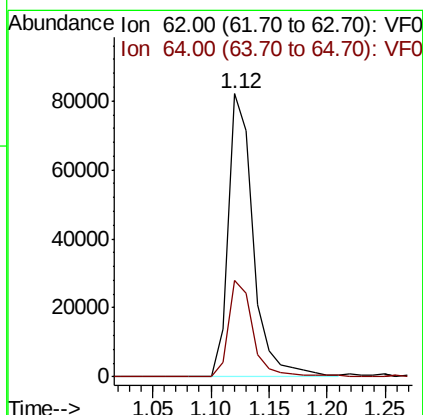
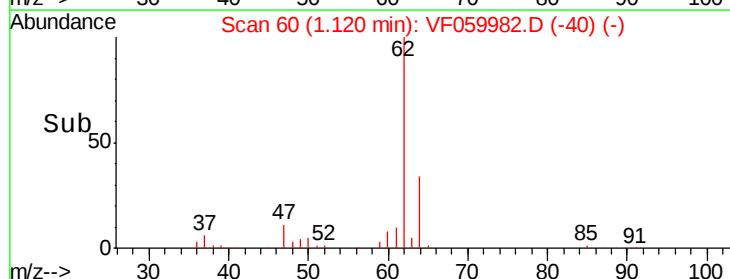
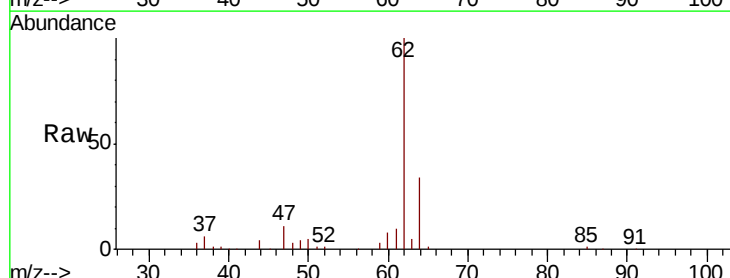
Acq: 17 Aug 2018 19:27

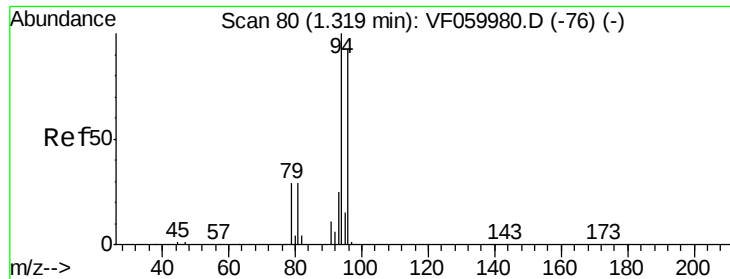
Tgt Ion: 62 Resp: 122204

Ion Ratio Lower Upper

62 100

64 34.3 28.7 43.1





#5

Bromomethane

Concen: 94.99 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 109884

Ion Ratio Lower Upper

94 100

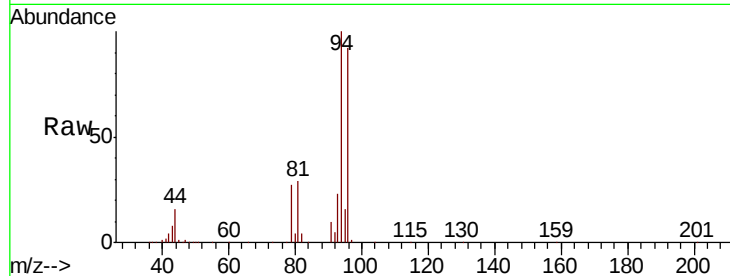
96 91.9 73.9 110.9

Manual Integrations

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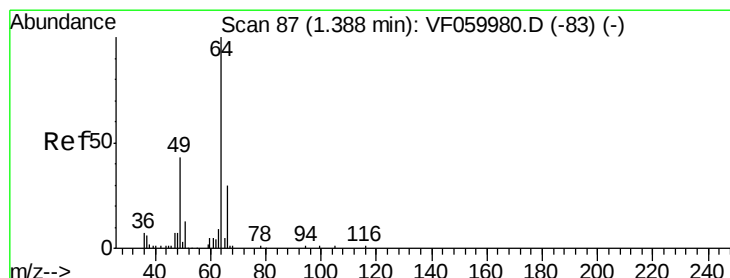
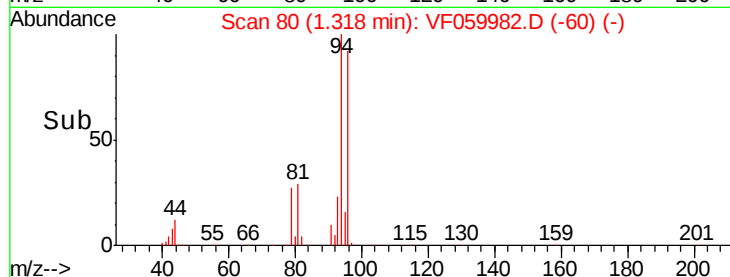
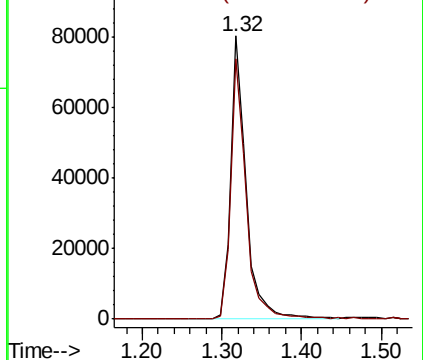
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 97.80 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF059982.D

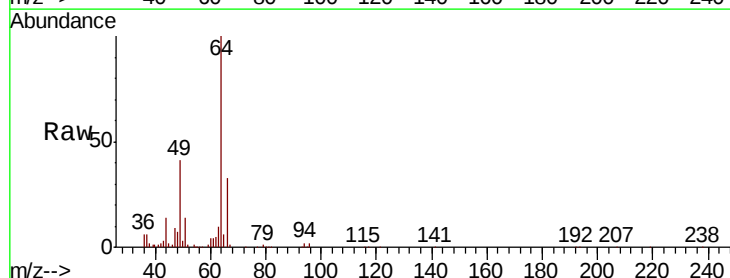
Acq: 17 Aug 2018 19:27

Tgt Ion: 64 Resp: 60410

Ion Ratio Lower Upper

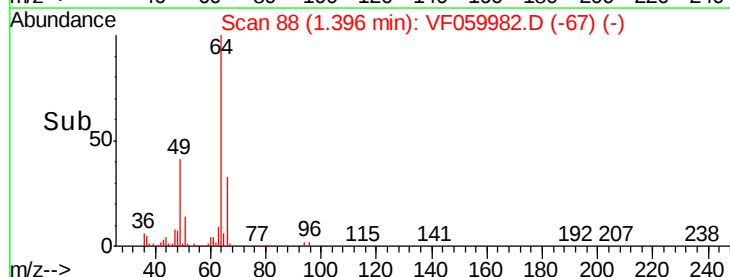
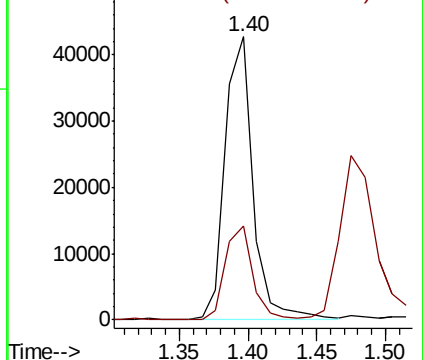
64 100

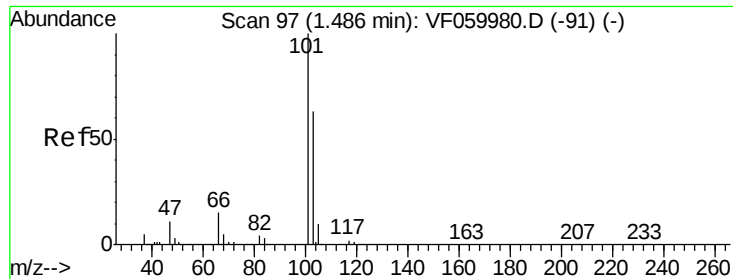
66 33.3 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

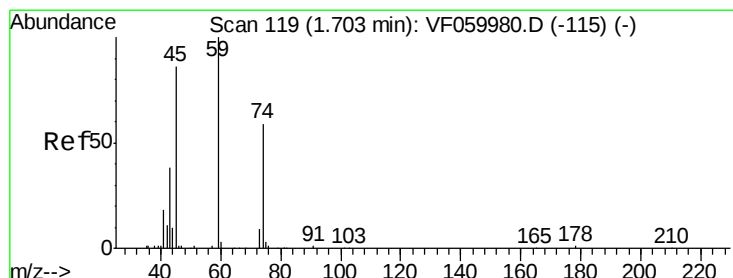
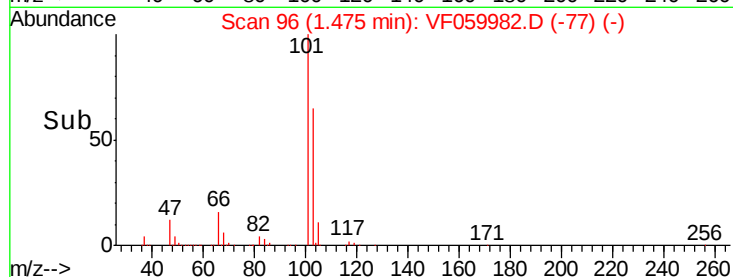
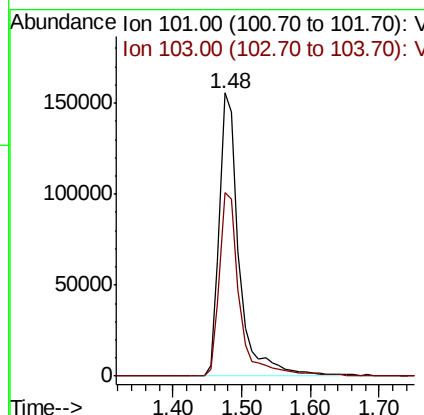
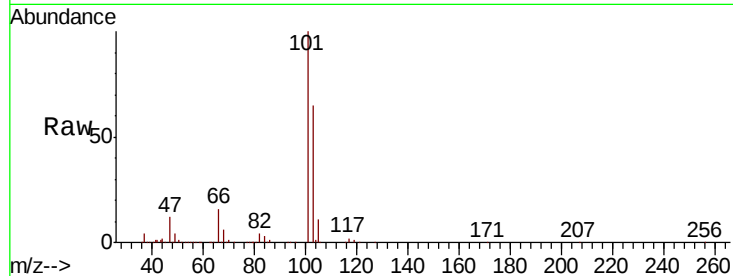
Trichlorofluoromethane
 Concen: 97.80 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	312554		
103	64.8	50.8	76.2	

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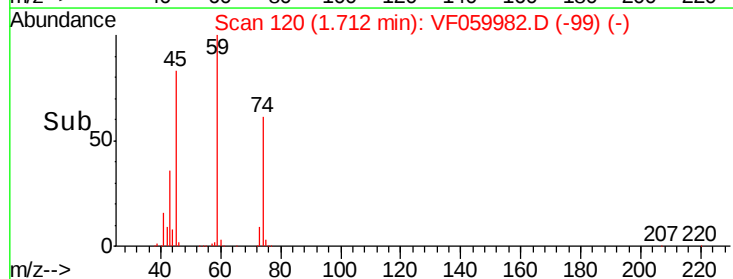
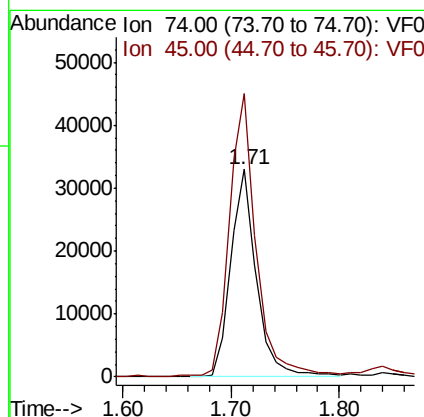
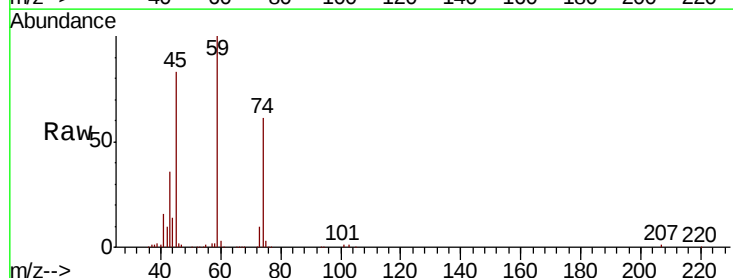
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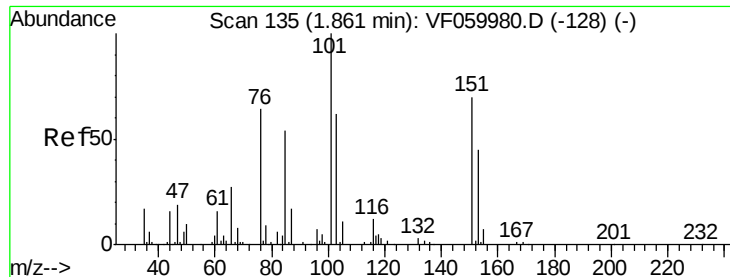


#8

Diethyl Ether
 Concen: 106.94 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	54608		
45	136.3	73.5	220.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.93 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

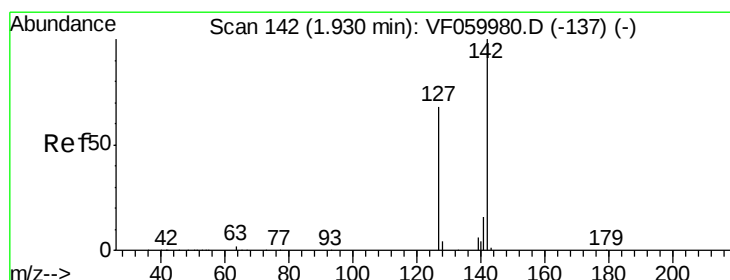
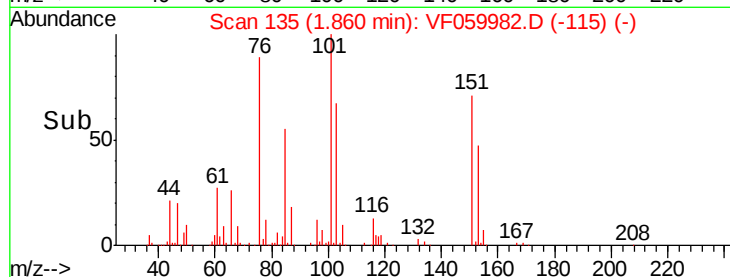
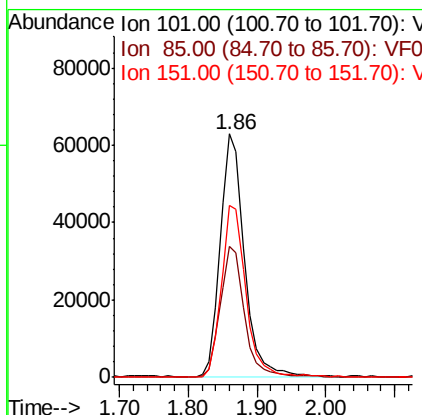
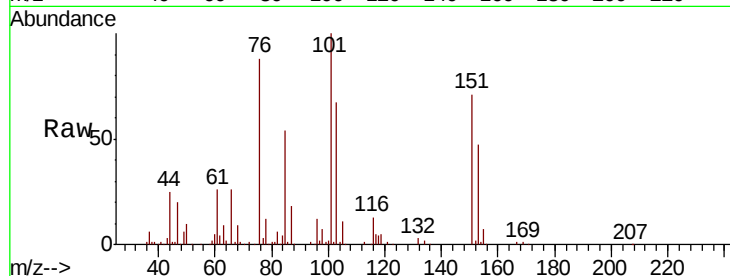
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	152261
Ion Ratio	Lower	Upper	
101	100		
85	54.0	43.0	64.6
151	70.5	56.2	84.2

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#10

Methyl Iodide

Concen: 99.18 ug/l

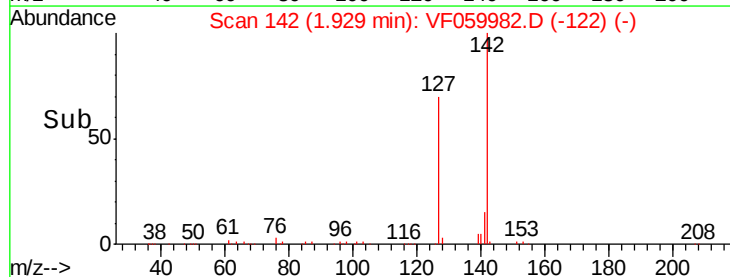
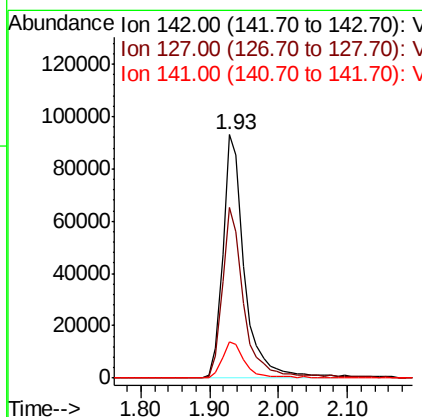
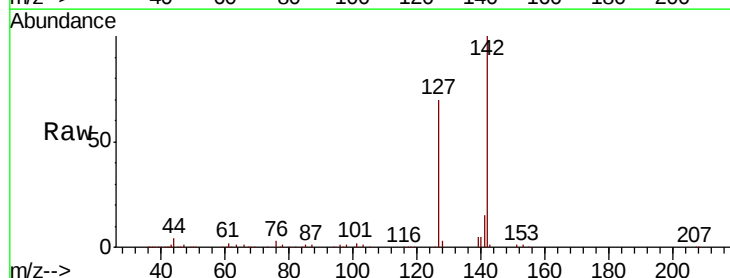
RT: 1.93 min Scan# 142

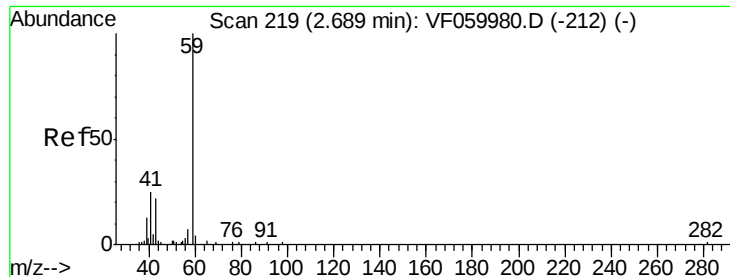
Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion:	142	Resp:	202716
Ion Ratio	Lower	Upper	
142	100		
127	70.1	54.1	81.1
141	15.1	12.5	18.7





#11

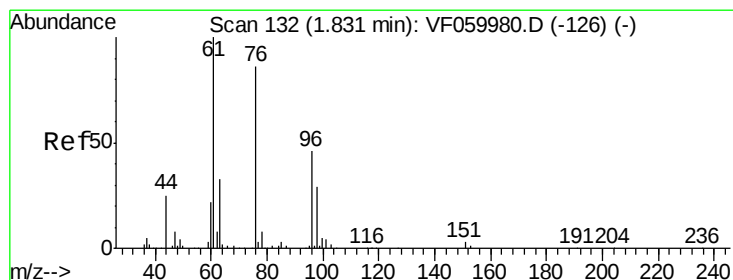
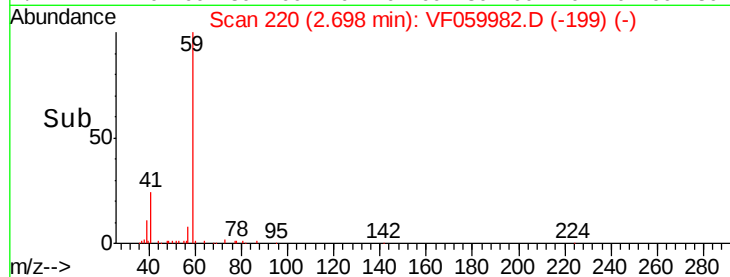
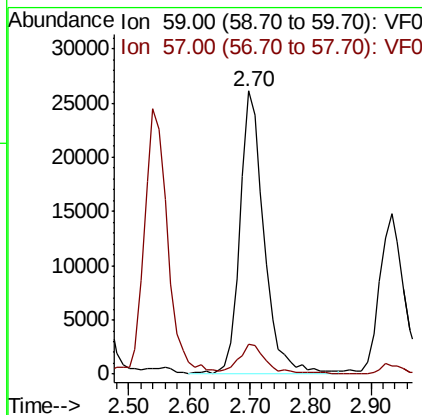
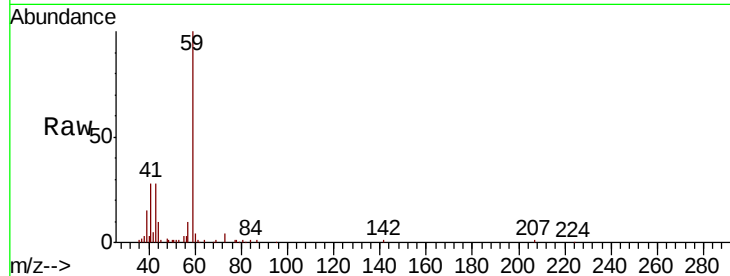
Tert butyl alcohol
 Concen: 509.55 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	72192
Ion Ratio	100	Lower	Upper
57	10.5	6.8	10.2#

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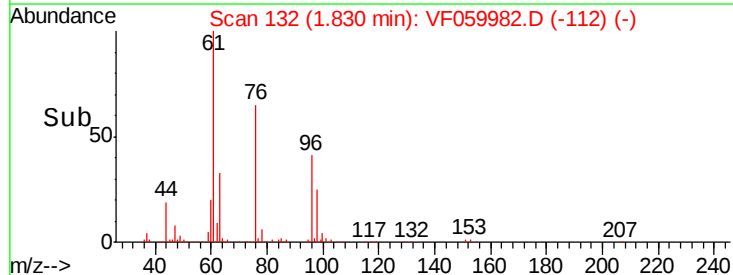
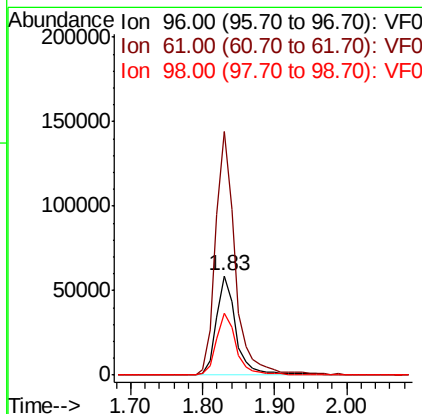
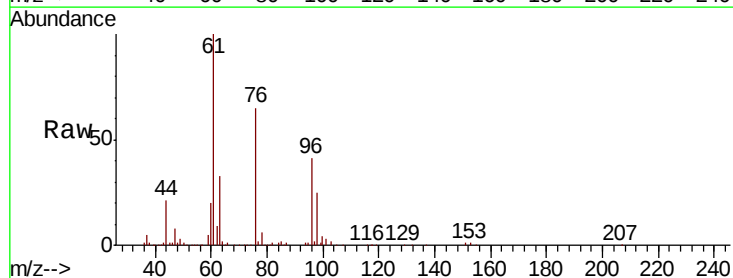
apatel
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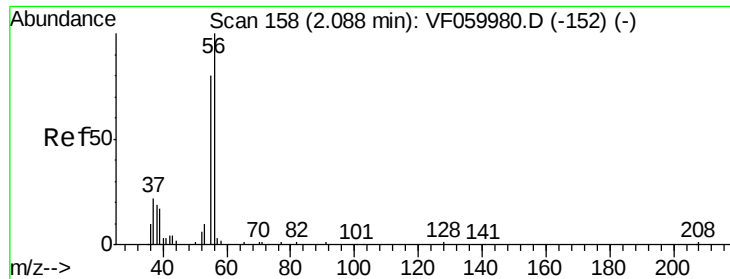


#12

1,1-Dichloroethene
 Concen: 99.61 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Tgt Ion	96	Resp	110637
Ion Ratio	100	Lower	Upper
61	245.3	175.6	263.4
98	62.3	50.6	75.8





#13

Acrolein

Concen: 714.88 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 53506

Ion Ratio Lower Upper

56 100

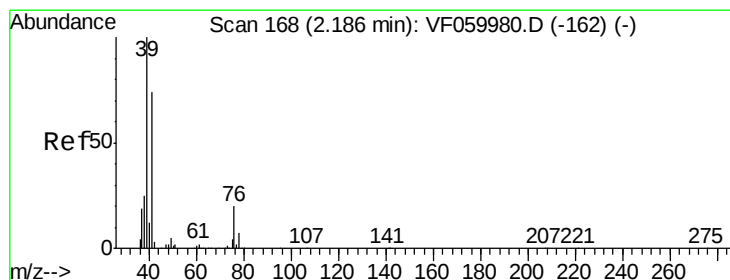
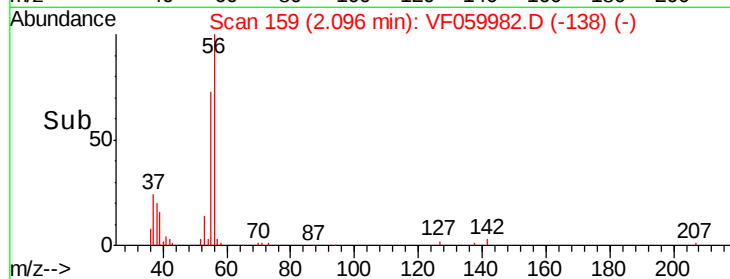
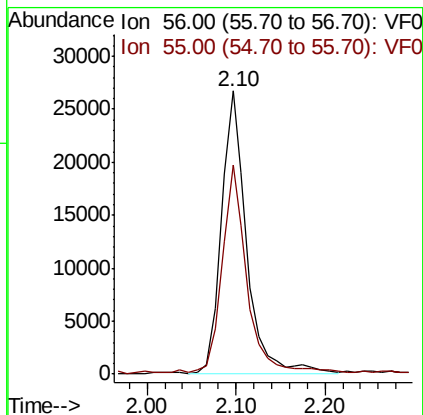
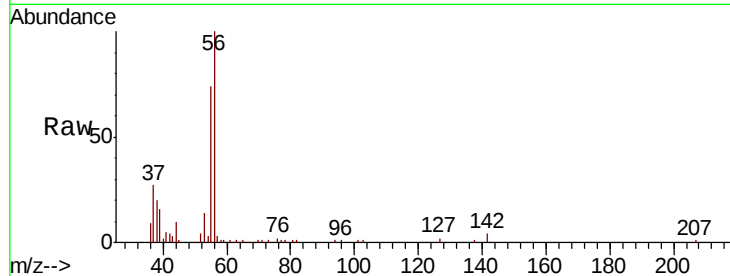
55 73.7 63.8 95.6

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#14

Allyl chloride

Concen: 92.08 ug/l

RT: 2.19 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

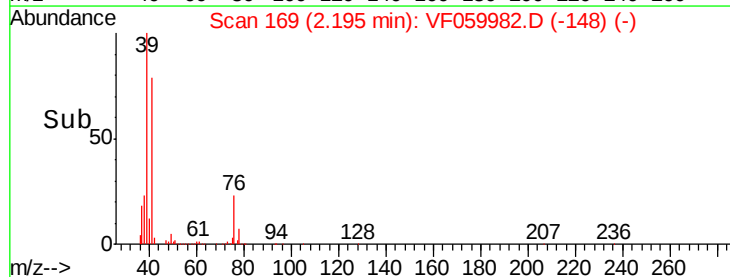
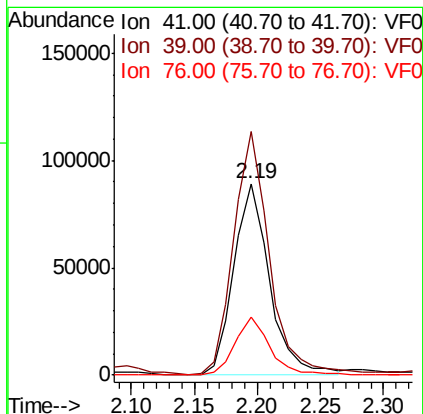
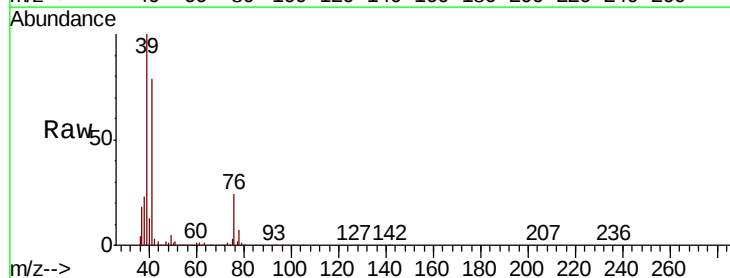
Tgt Ion: 41 Resp: 173594

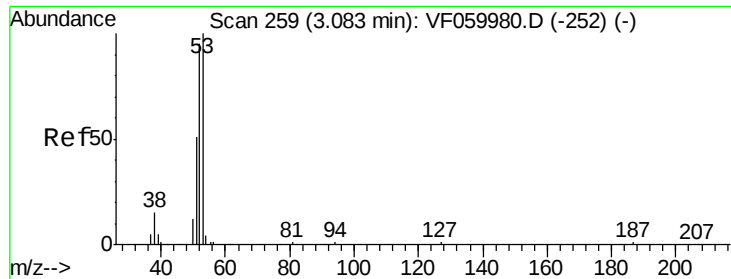
Ion Ratio Lower Upper

41 100

39 127.1 109.3 163.9

76 30.1 21.3 31.9





#15

Acrylonitrile

Concen: 411.12 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

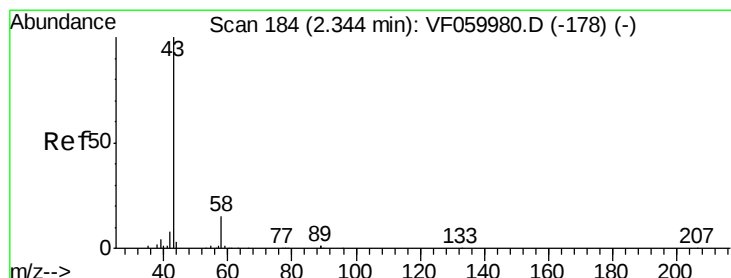
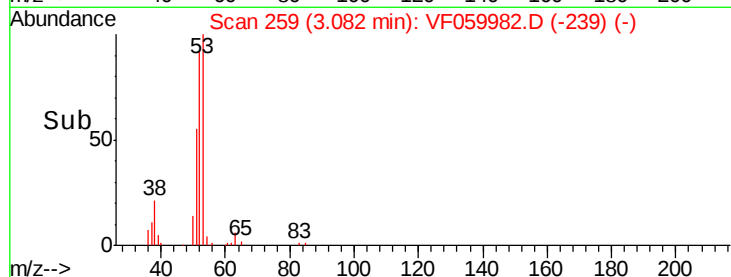
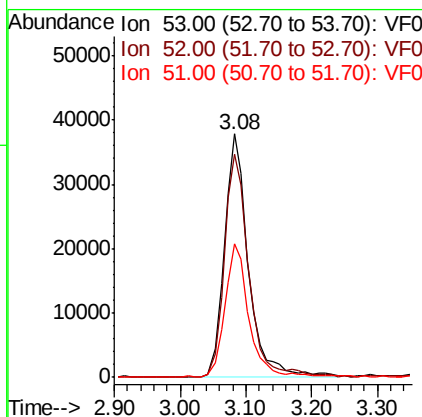
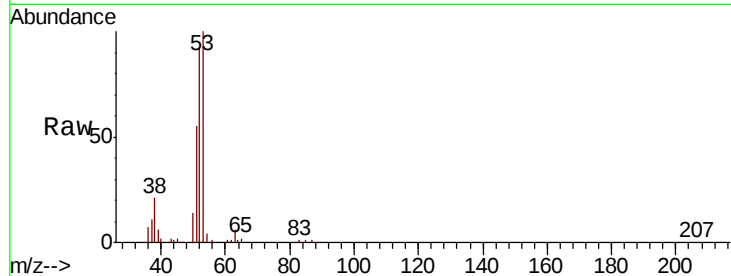
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	96770
Ion	Ratio	Lower	Upper
53	100		
52	91.8	76.0	114.0
51	54.8	41.9	62.9

Manual Integrations
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#16

Acetone

Concen: 430.57 ug/l

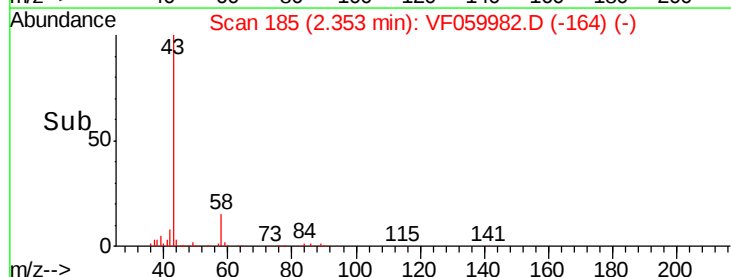
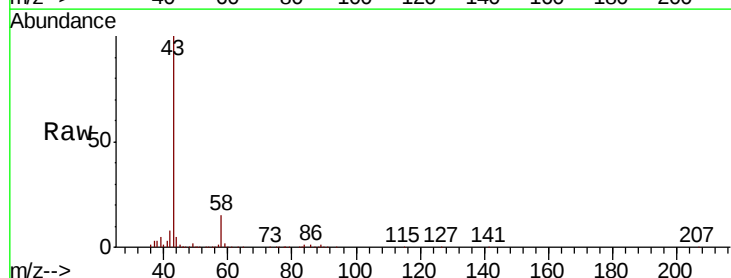
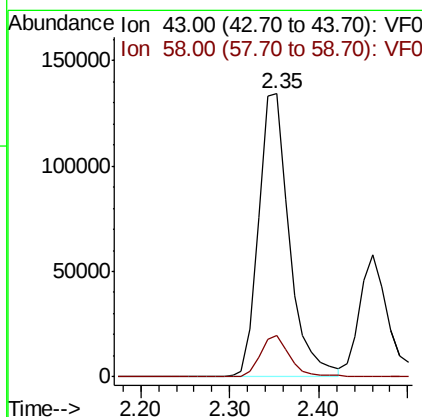
RT: 2.35 min Scan# 185

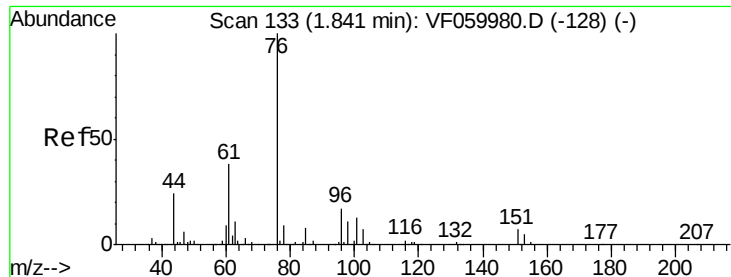
Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion:	43	Resp:	318521
Ion	Ratio	Lower	Upper
43	100		
58	14.7	11.9	17.9





#17

Carbon Disulfide

Concen: 92.16 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 325958

Ion Ratio Lower Upper

76 100

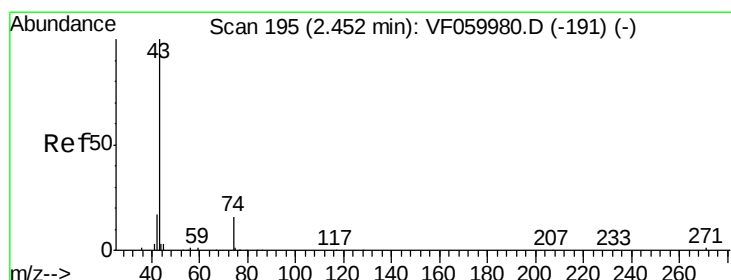
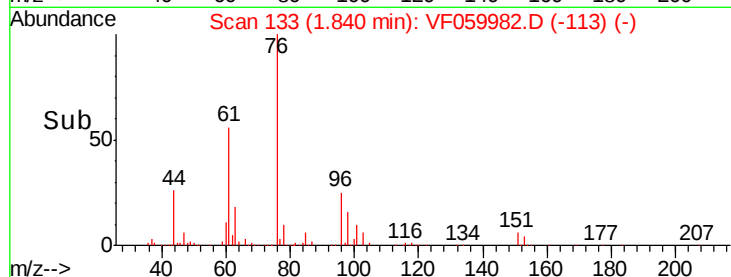
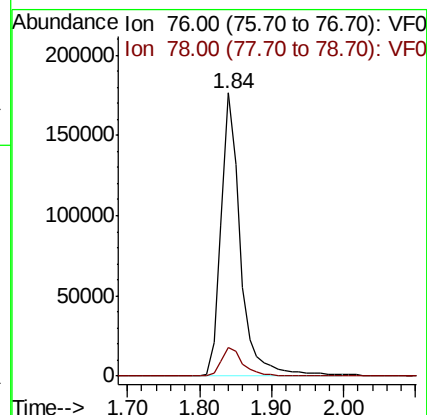
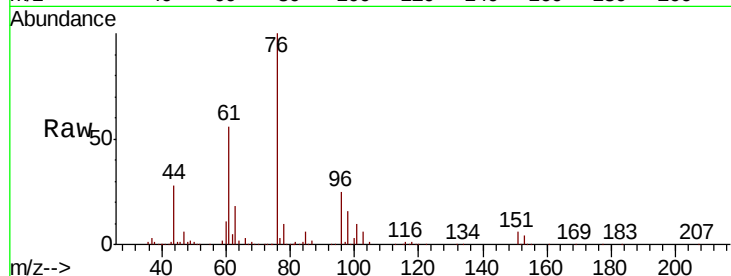
78 10.1 7.2 10.8

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#18

Methyl Acetate

Concen: 80.64 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF059982.D

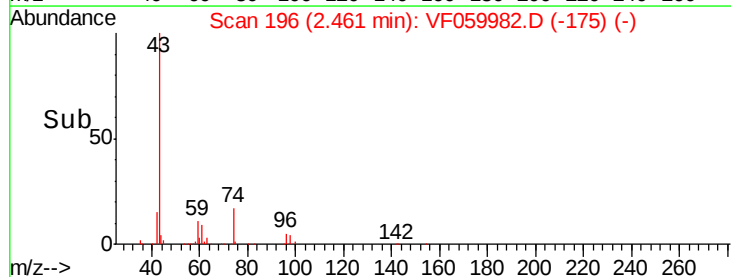
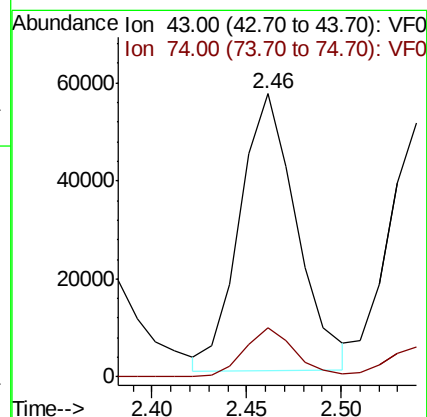
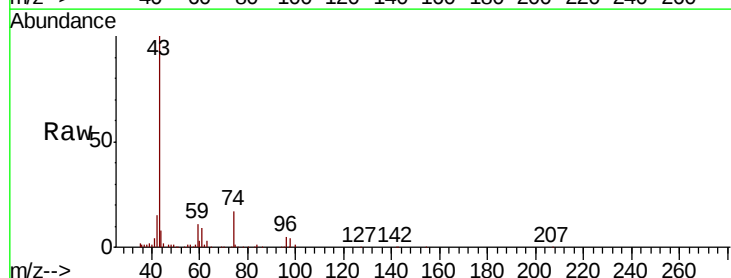
Acq: 17 Aug 2018 19:27

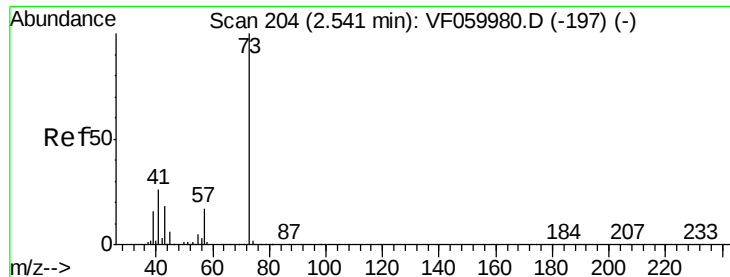
Tgt Ion: 43 Resp: 118474

Ion Ratio Lower Upper

43 100

74 17.1 12.3 18.5





#19

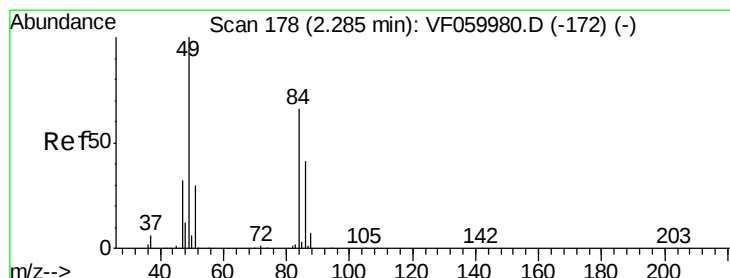
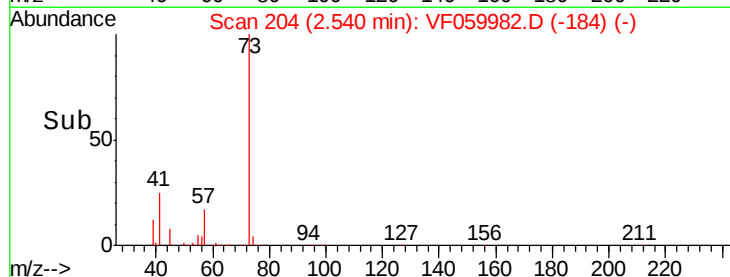
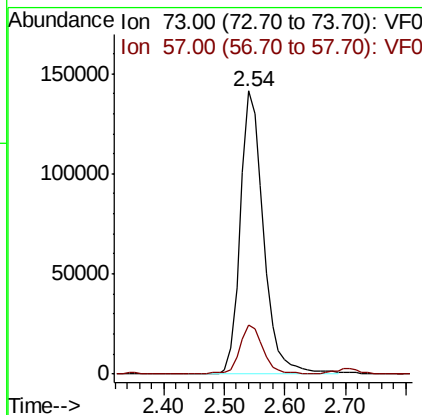
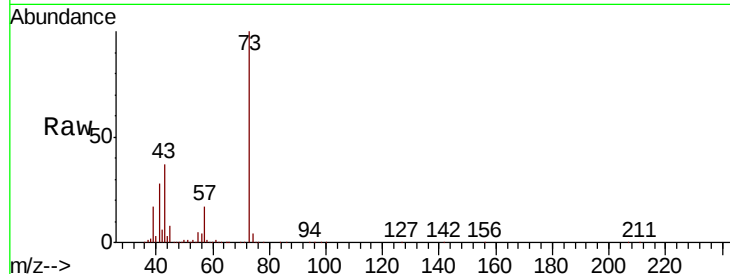
Methyl tert-butyl Ether
 Concen: 100.44 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.4	14.2	21.2

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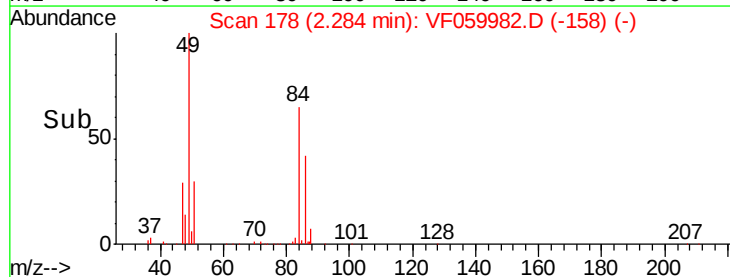
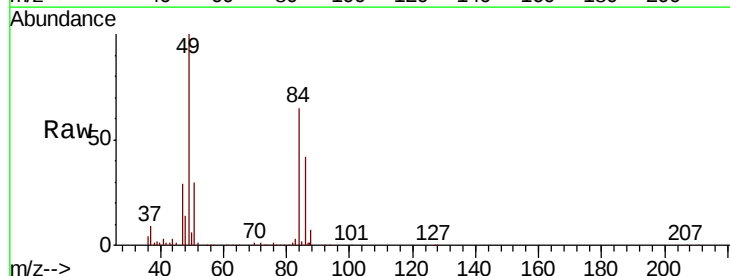
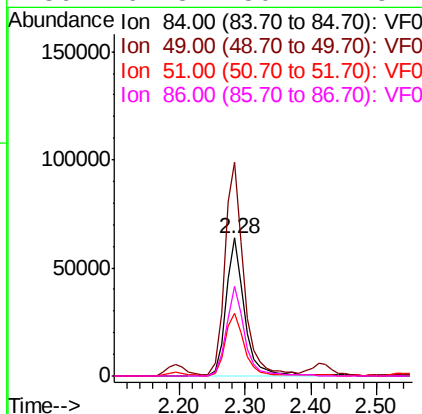
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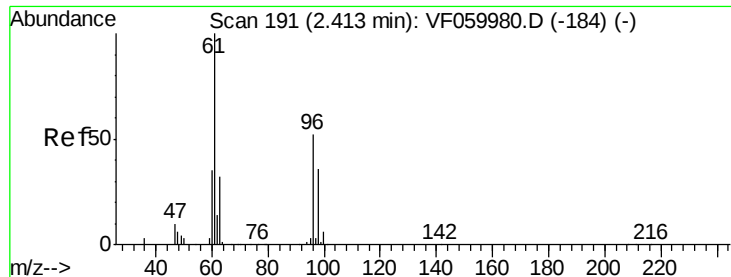


#20

Methylene Chloride
 Concen: 80.51 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.5	122.5	183.7
51	45.7	37.1	55.7
86	64.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 98.72 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

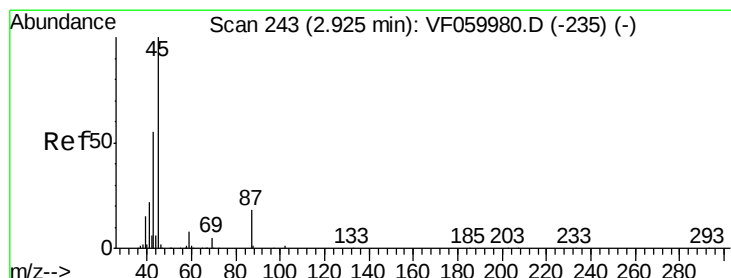
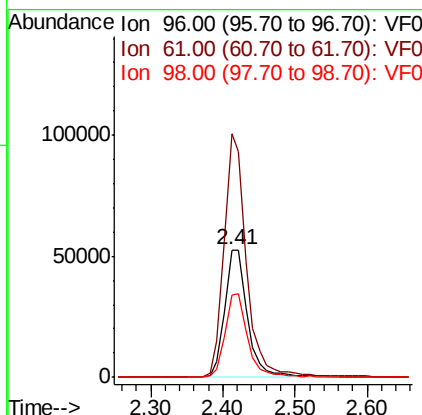
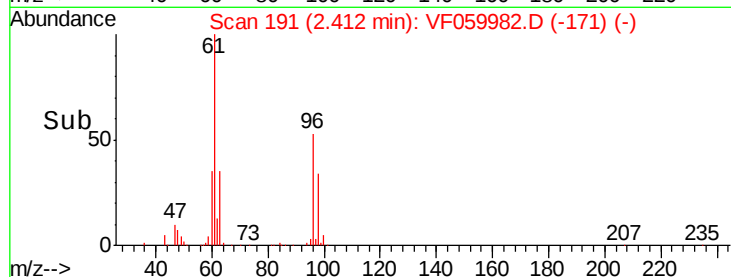
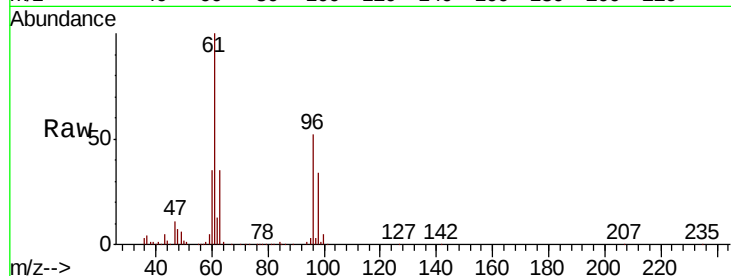
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	116904
Ion	Ratio	Lower	Upper
96	100		
61	190.7	153.0	229.4
98	64.1	55.5	83.3

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#22

Diisopropyl ether

Concen: 101.52 ug/l

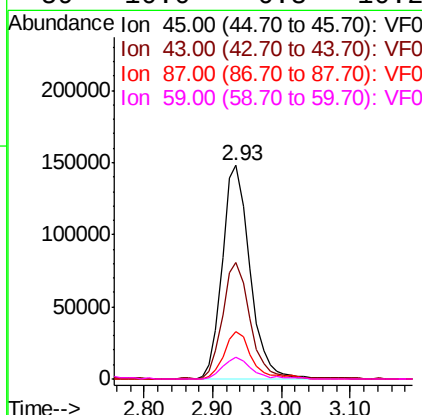
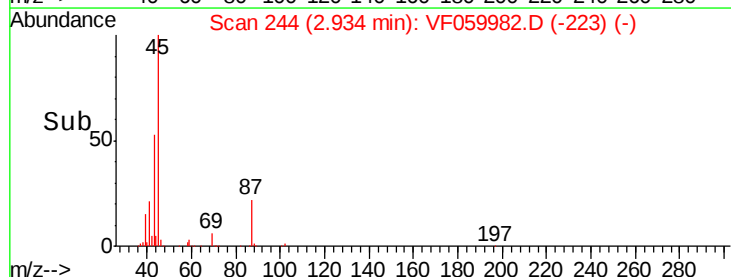
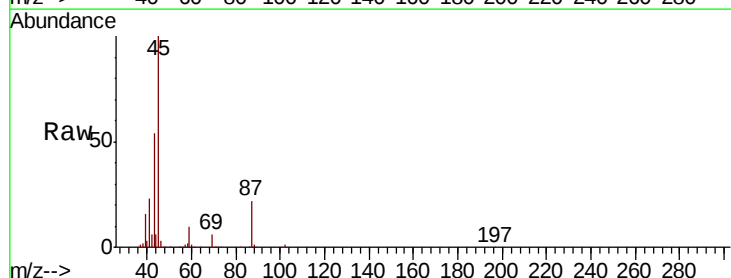
RT: 2.93 min Scan# 244

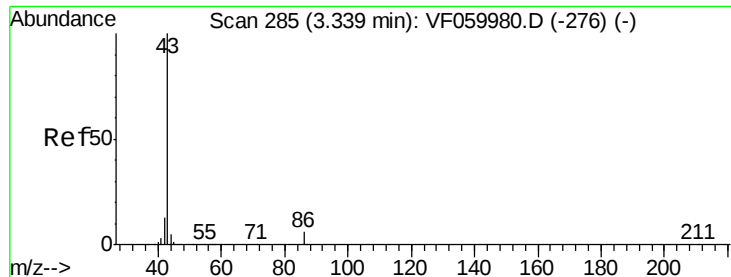
Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion:	45	Resp:	413224
Ion	Ratio	Lower	Upper
45	100		
43	54.3	44.8	67.2
87	22.3	14.6	21.8#
59	10.0	6.8	10.2





#23

Vinyl Acetate

Concen: 541.39 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 902741

Ion Ratio Lower Upper

43 100

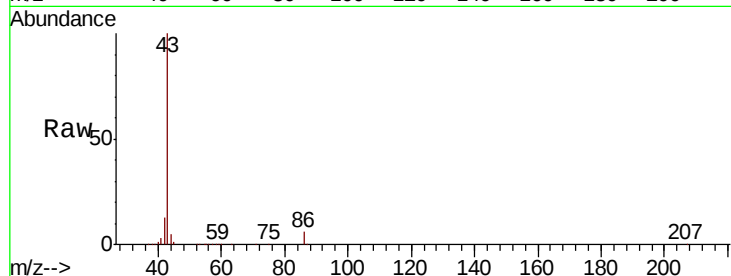
86 6.2 4.4 6.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

400000

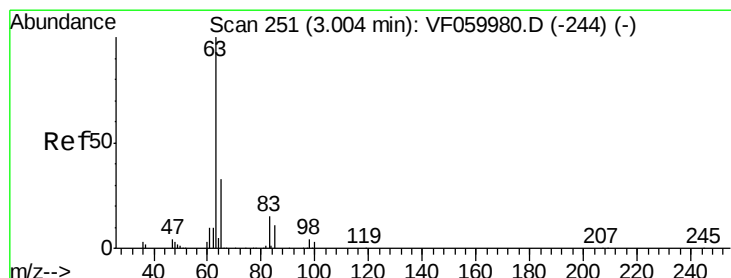
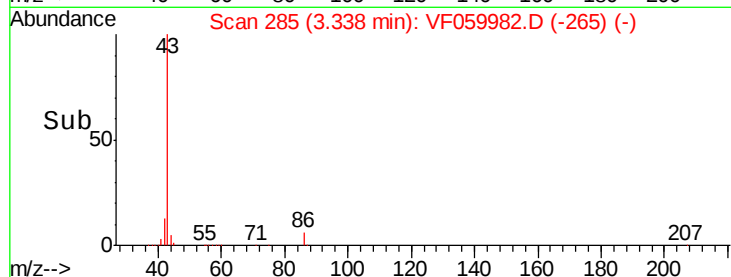
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 91.63 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

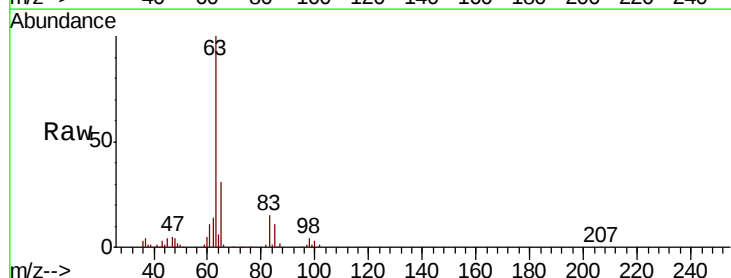
Tgt Ion: 63 Resp: 245458

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

100 2.5 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

3.00

120000

100000

80000

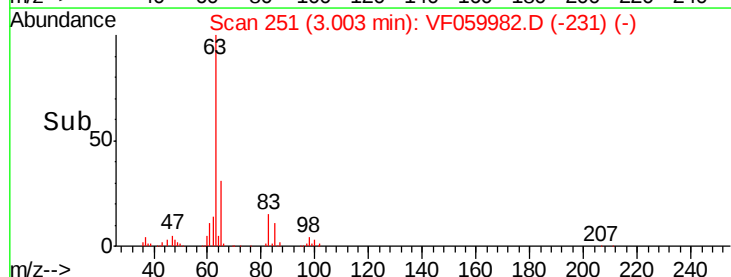
60000

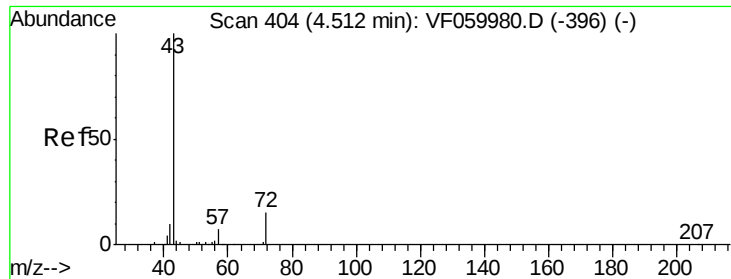
40000

20000

0

Time-->





#25

2-Butanone

Concen: 469.21 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tot Ion: 43 Resp: 271537

Ion Ratio Lower Upper

43 100

72 17.1 12.5 18.7

Instrument :

MSVOA_F

ClientSampleId :

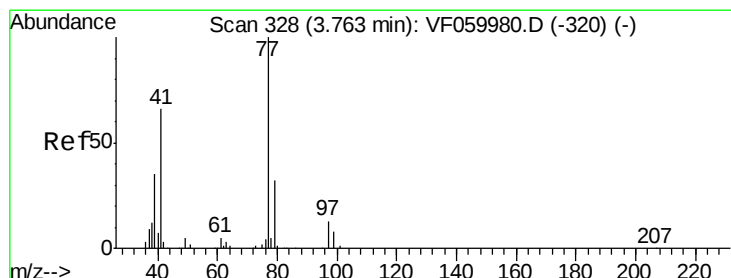
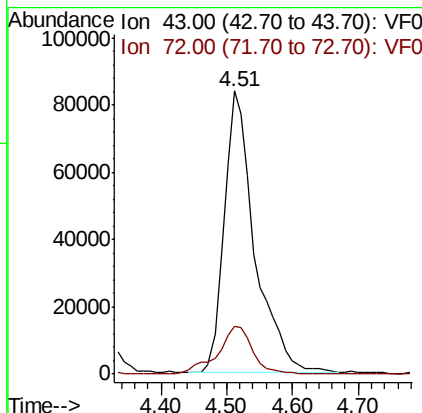
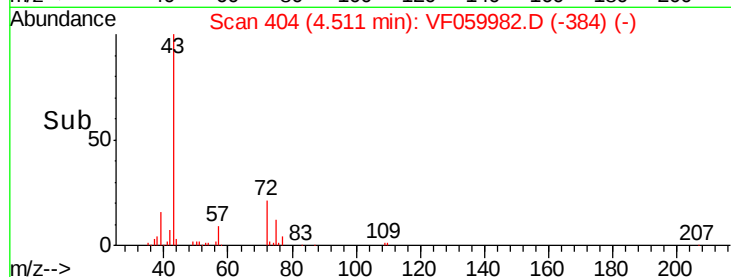
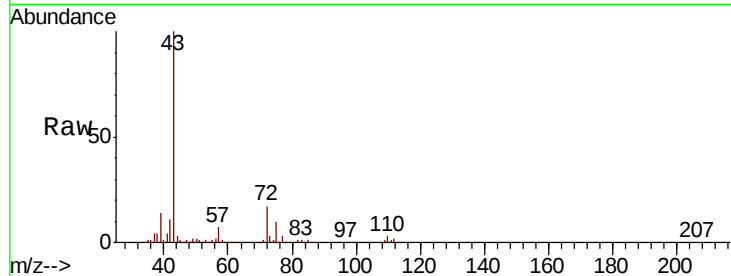
VSTDIC100

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 108.33 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF059982.D

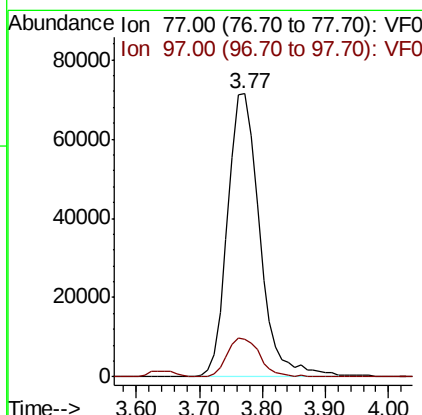
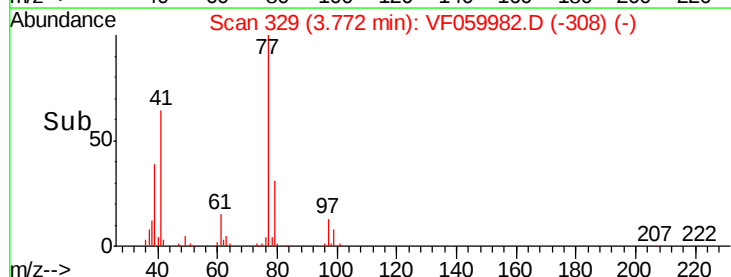
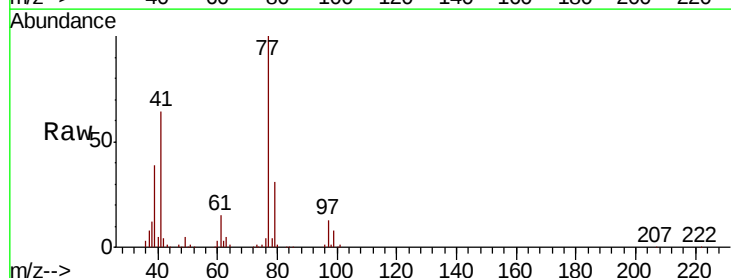
Acq: 17 Aug 2018 19:27

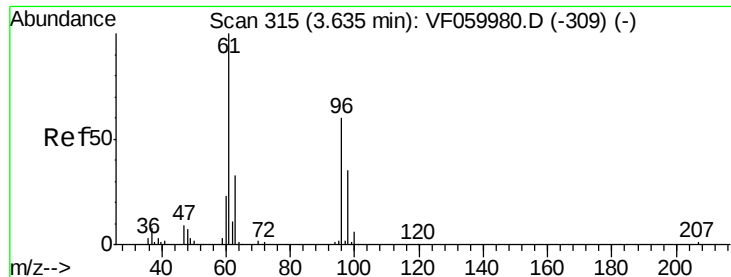
Tgt Ion: 77 Resp: 253258

Ion Ratio Lower Upper

77 100

97 13.5 6.7 20.0





#27

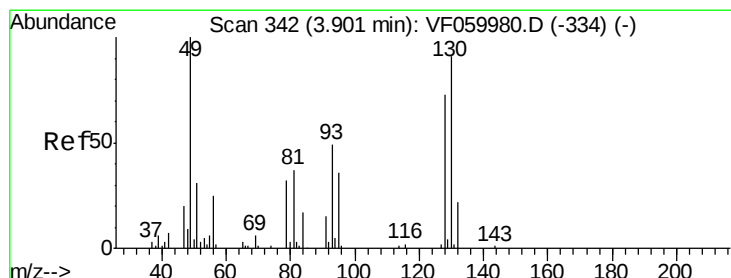
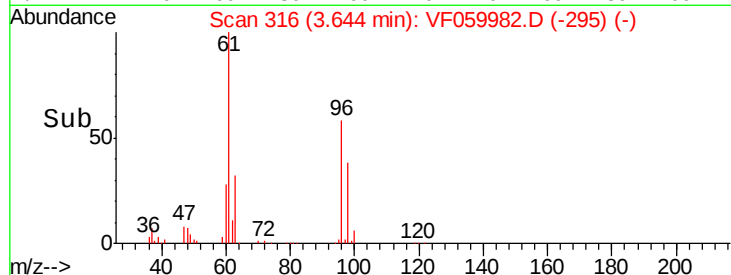
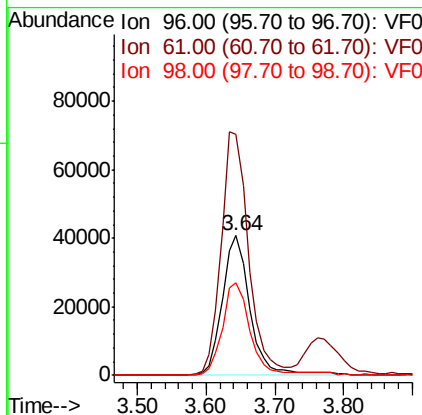
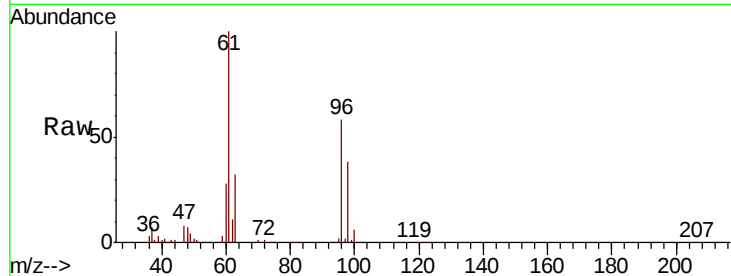
cis-1,2-Dichloroethene
Concen: 105.27 ug/l
RT: 3.64 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	113694		
61	172.3	0.0	335.0	
98	66.2	0.0	117.2	

Manual Integrations
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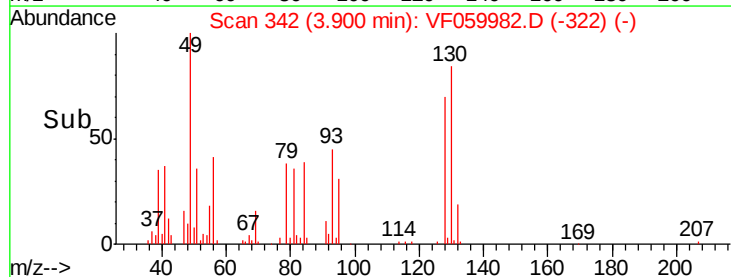
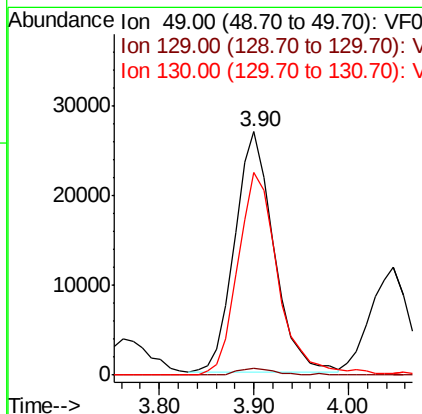
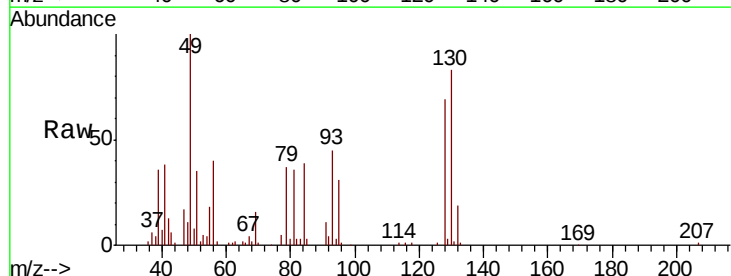
apatel
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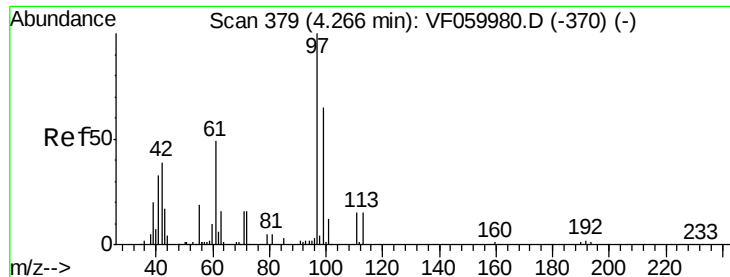


#28

Bromochloromethane
Concen: 100.23 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	76591		
129	2.9	0.0	7.6	
130	83.1	71.3	106.9	





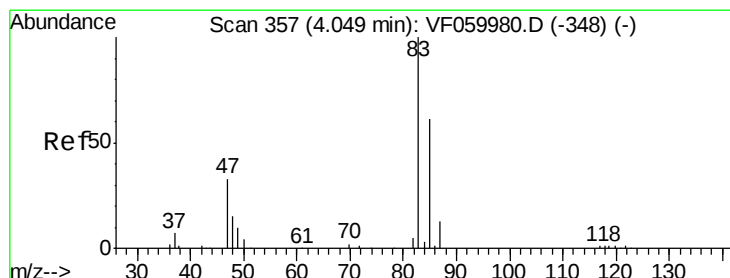
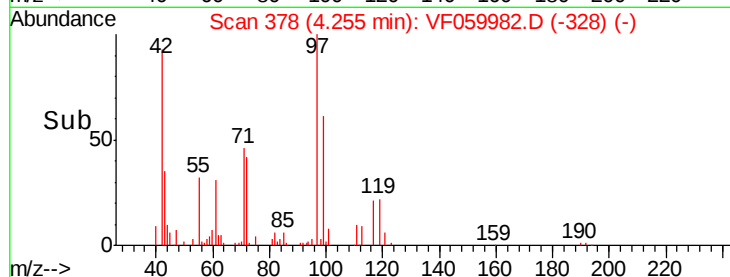
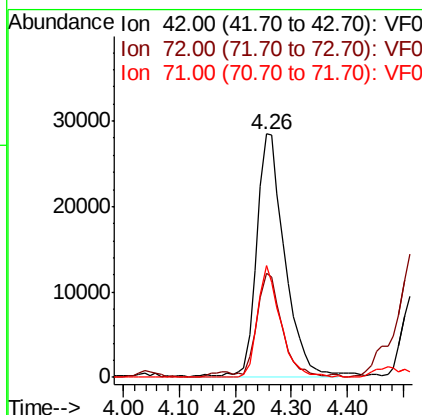
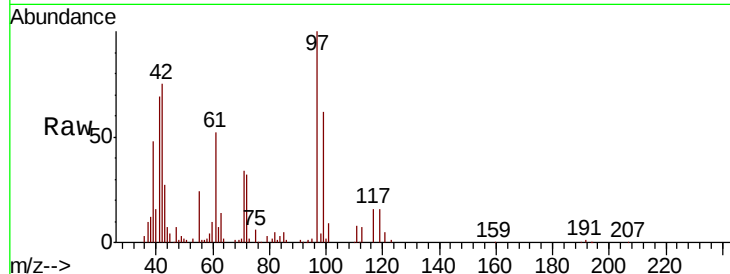
#29
Tetrahydrofuran
Concen: 480.20 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.8	44.6
71	36.9	29.0	43.4

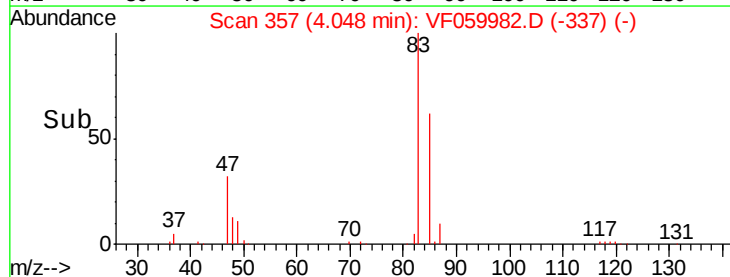
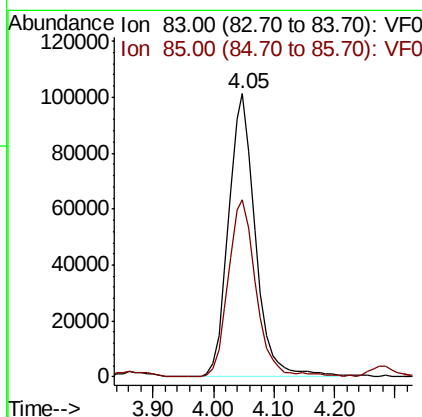
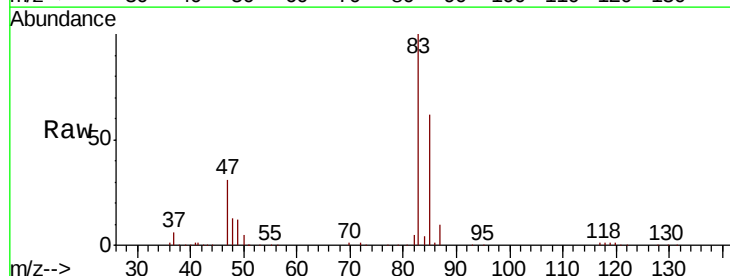
Manual Integrations
APPROVED

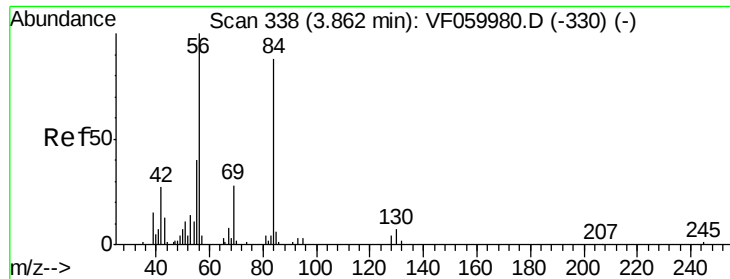
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#30
Chloroform
Concen: 102.08 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	48.8	73.2





#31

Cyclohexane

Concen: 98.18 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

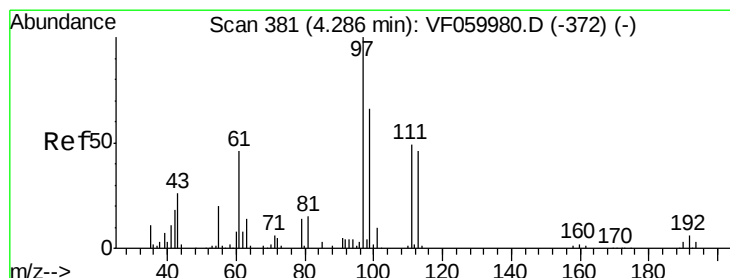
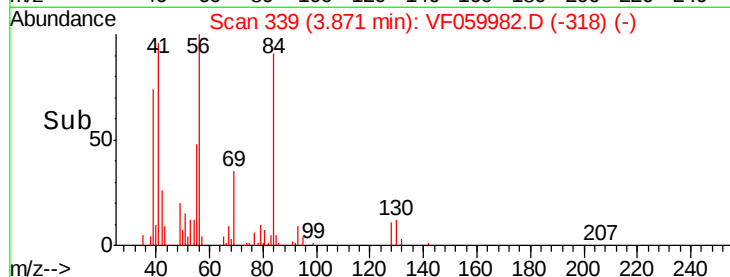
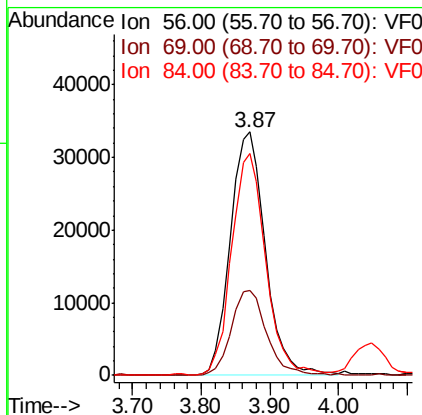
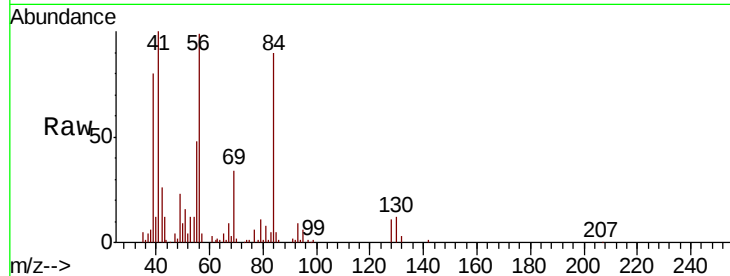
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	22.8	34.2#
84	91.0	70.7	106.1

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#32

1,1,1-Trichloroethane

Concen: 100.55 ug/l

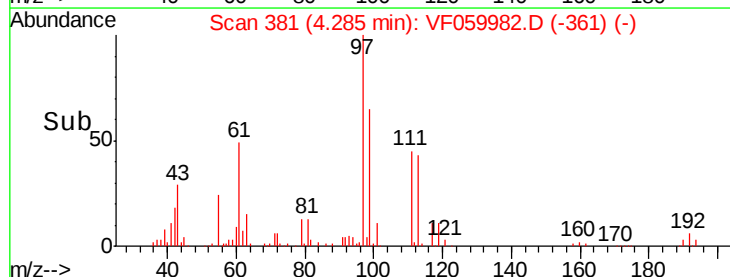
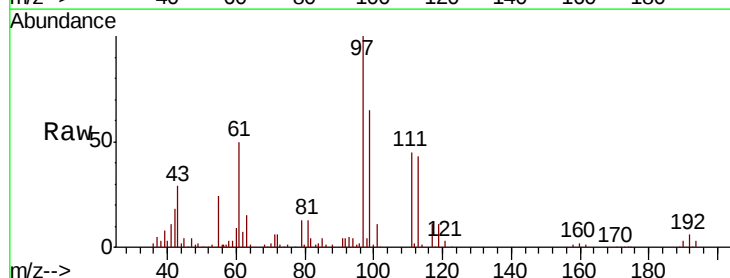
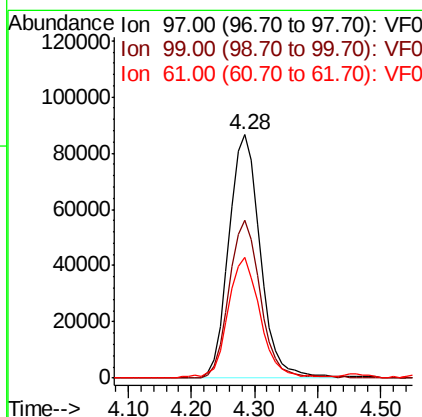
RT: 4.28 min Scan# 381

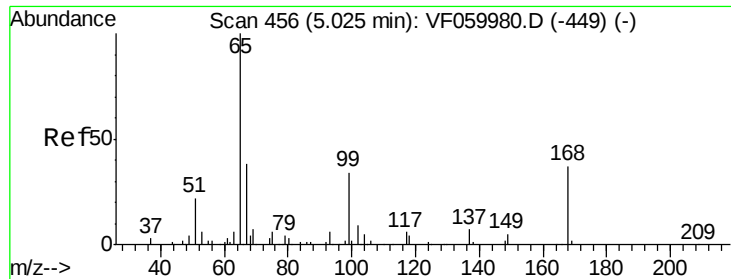
Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	53.1	79.7
61	49.5	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 105.24 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tot Ion: 65 Resp: 242023

Ion Ratio Lower Upper

65 100

67 41.6 0.0 82.6

Instrument :

MSVOA_F

ClientSampleId :

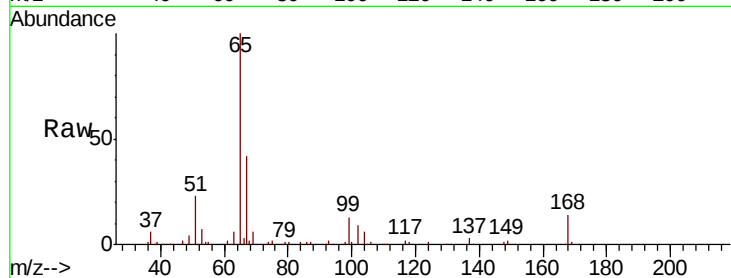
VSTDIC100

Manual Integrations

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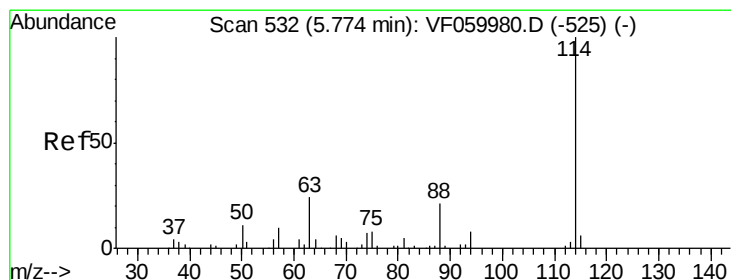
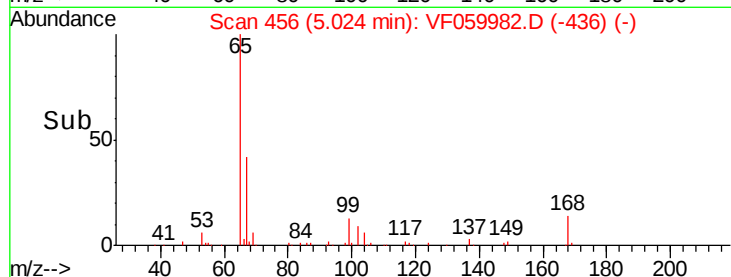
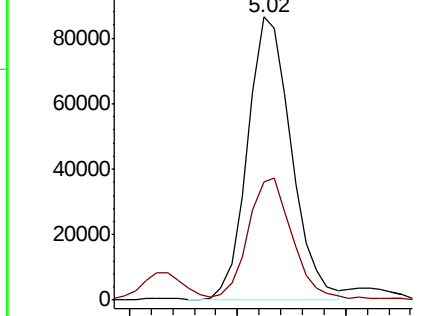
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

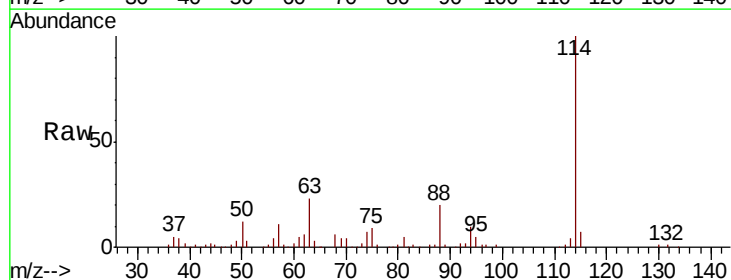
Tgt Ion: 114 Resp: 174983

Ion Ratio Lower Upper

114 100

63 23.1 0.0 48.6

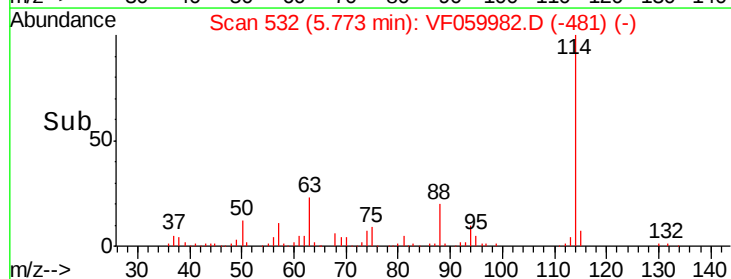
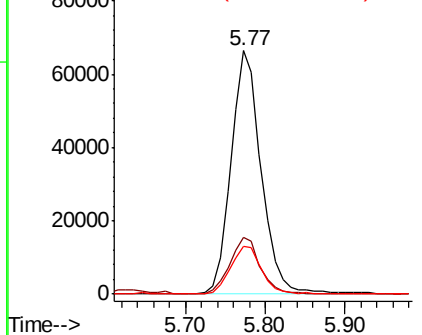
88 19.6 0.0 42.8

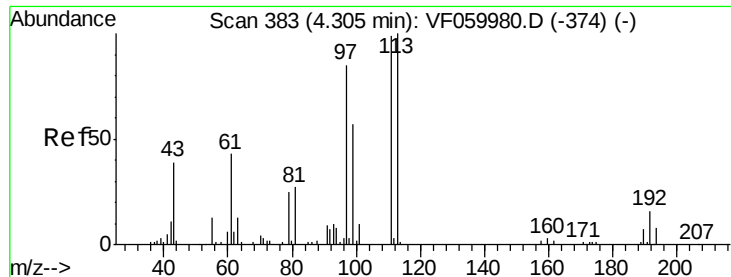


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 101.01 ug/l

RT: 4.30 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

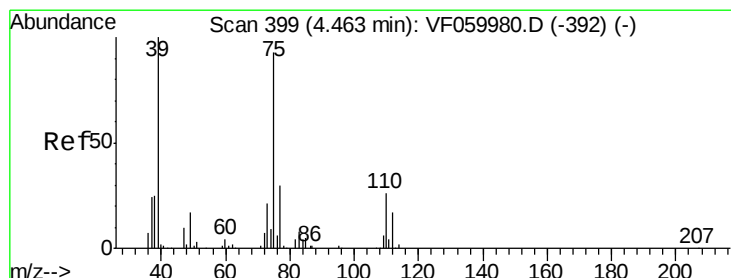
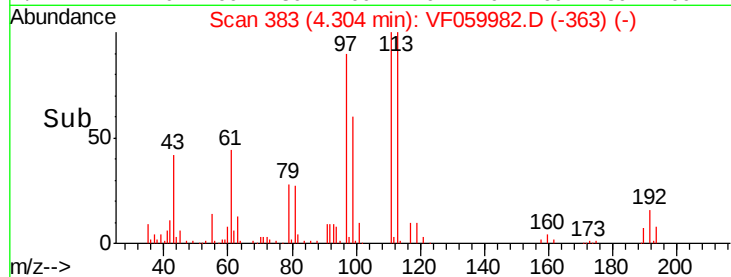
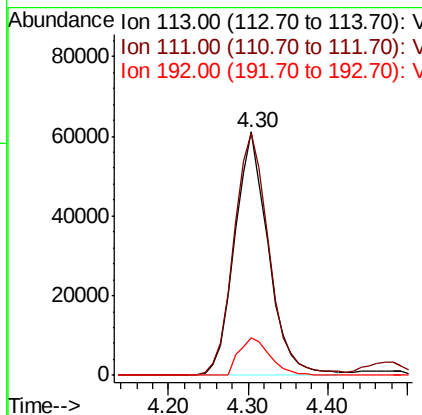
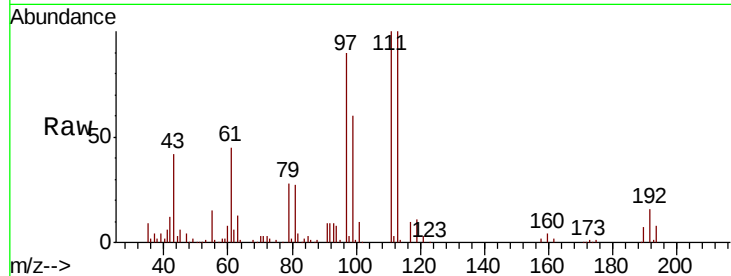
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	179872
Ion	Ratio	Lower	Upper
113	100		
111	99.8	79.5	119.3
192	15.7	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 96.78 ug/l

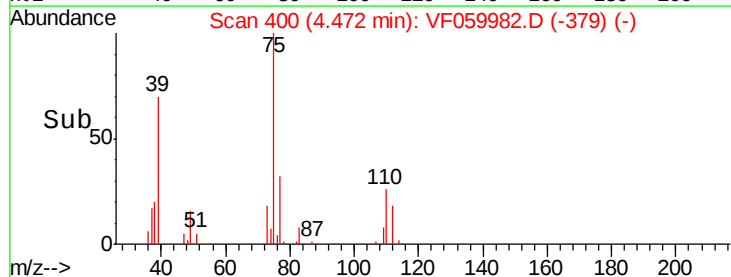
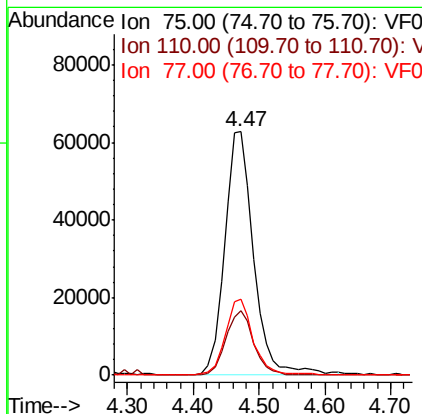
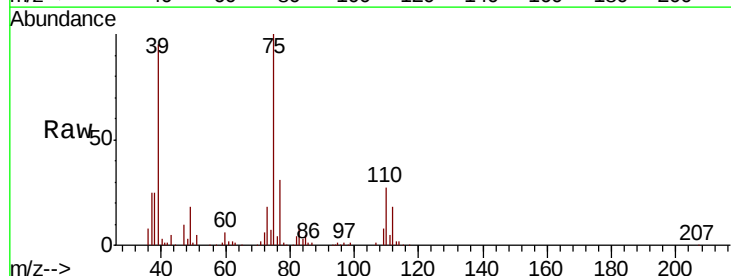
RT: 4.47 min Scan# 400

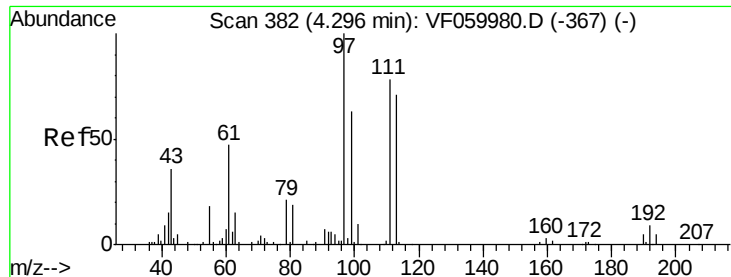
Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion:	75	Resp:	191097
Ion	Ratio	Lower	Upper
75	100		
110	26.6	13.8	41.4
77	31.1	25.8	38.8





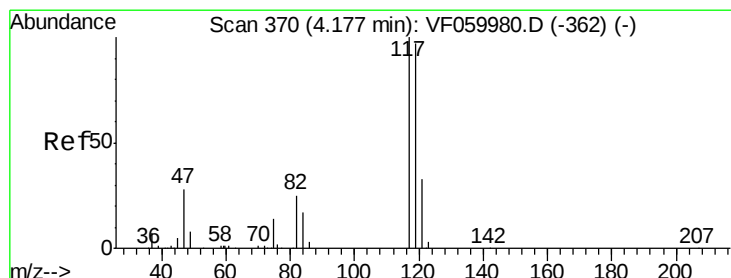
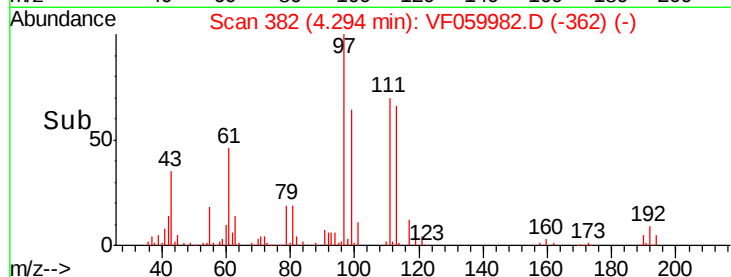
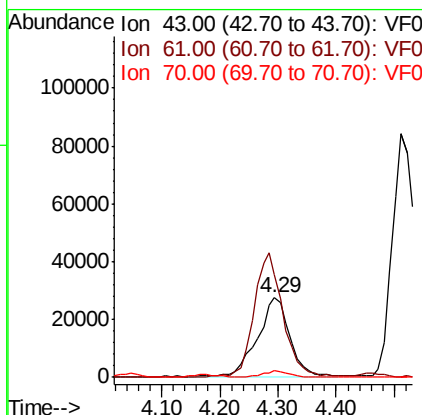
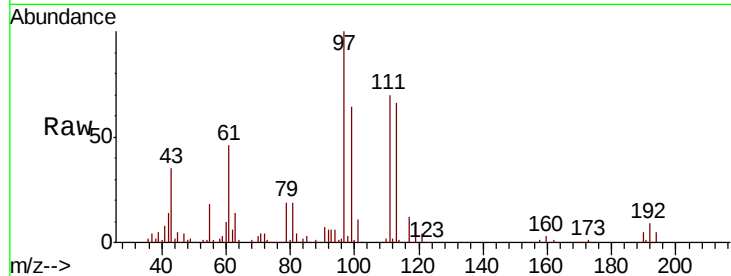
#37
Ethyl Acetate
Concen: 92.40 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	129.2	104.5	156.7
70	8.1	5.9	8.9

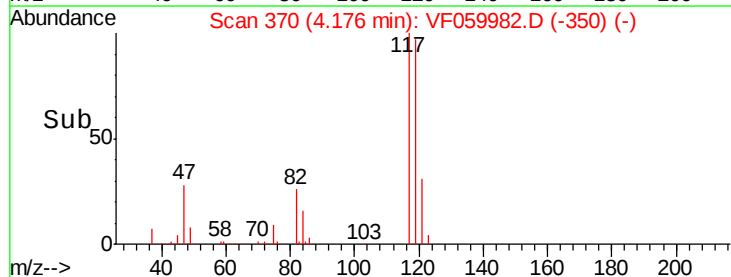
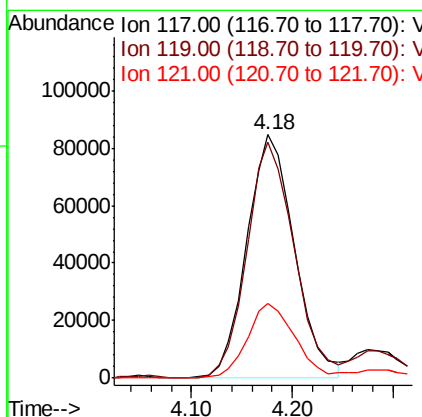
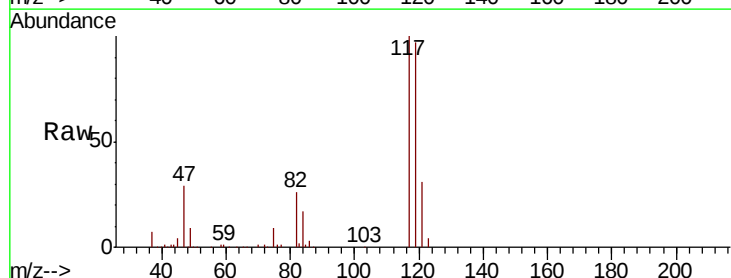
Manual Integrations
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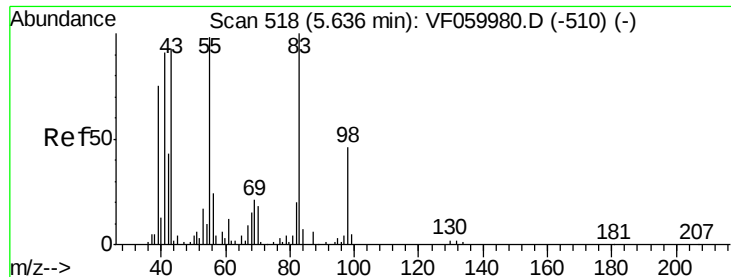
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#38
Carbon Tetrachloride
Concen: 98.01 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.8	116.6
121	30.6	26.0	39.0





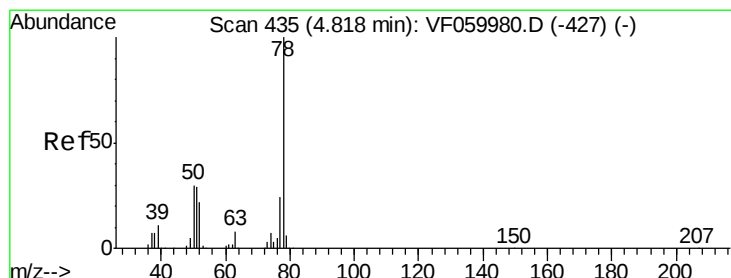
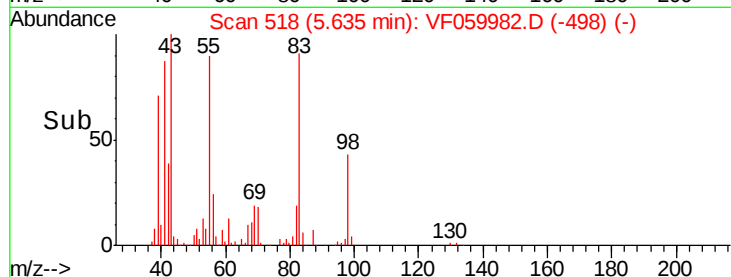
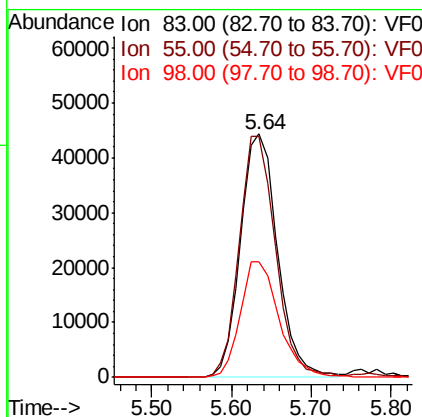
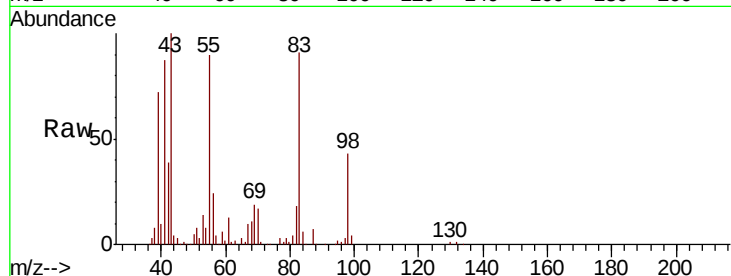
#39
Methvlcvclohexane
Concen: 95.54 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.0	78.8	118.2
98	47.7	36.8	55.2

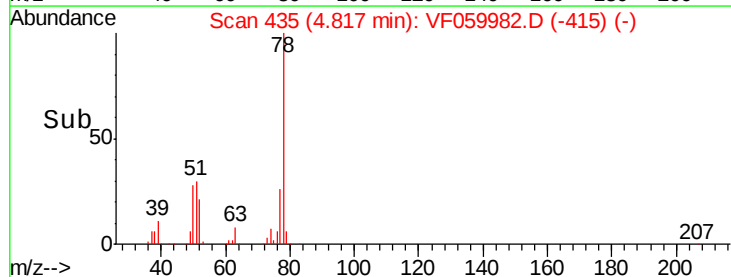
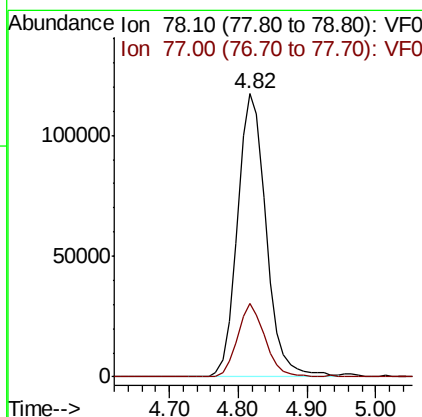
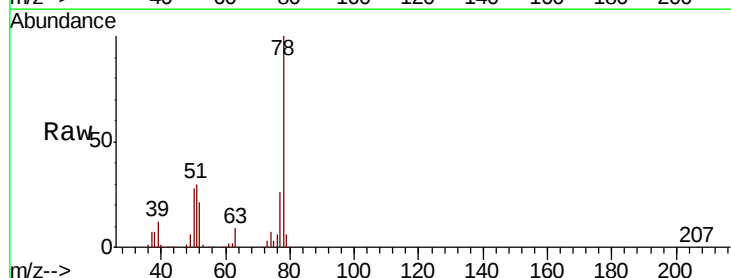
Manual Integrations
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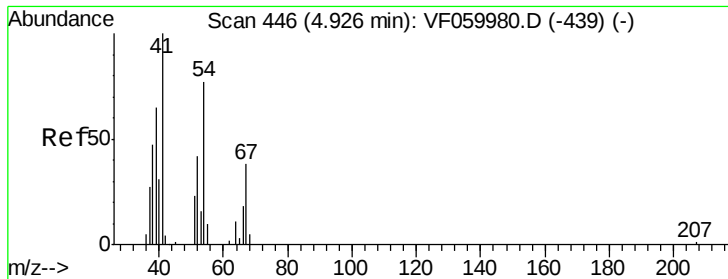
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#40
Benzene
Concen: 100.69 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.1	28.7





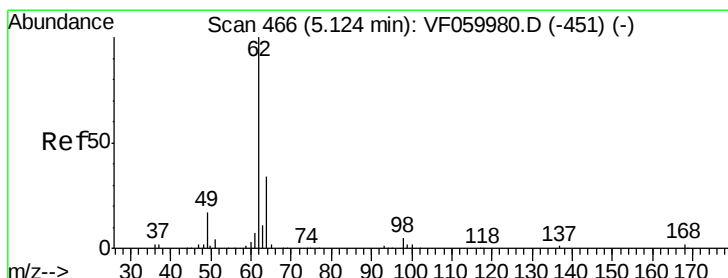
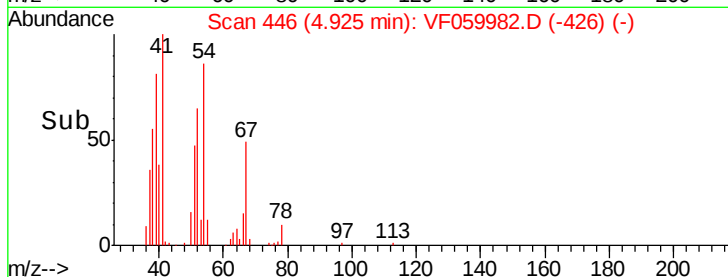
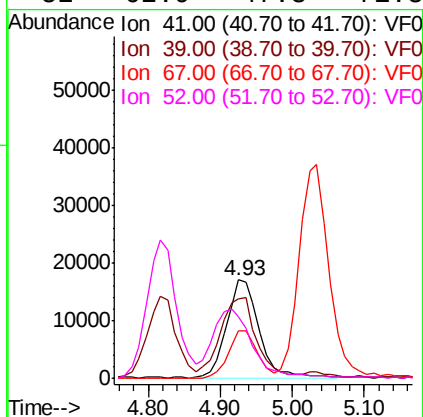
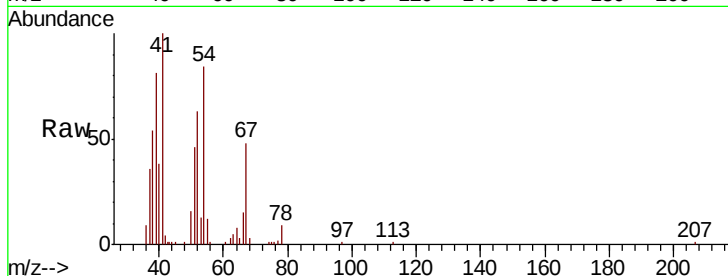
#41
Methacrylonitrile
Concen: 97.69 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.3	62.9	94.3
67	48.1	30.4	45.6
52	62.9	47.8	71.8

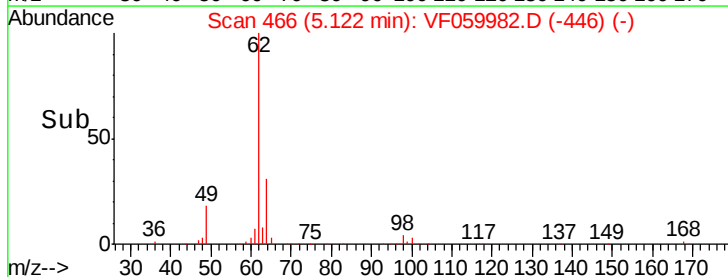
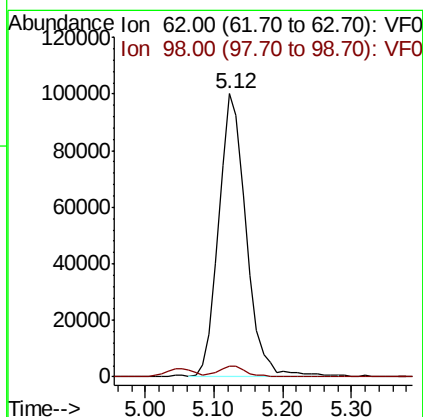
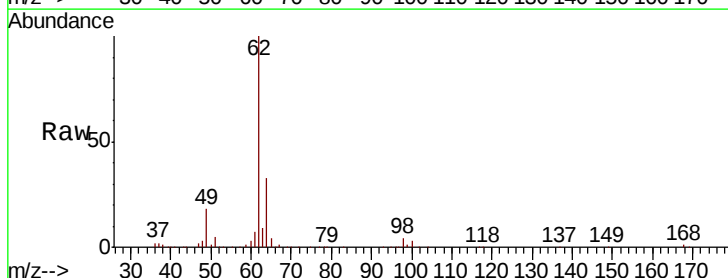
Manual Integrations
APPROVED

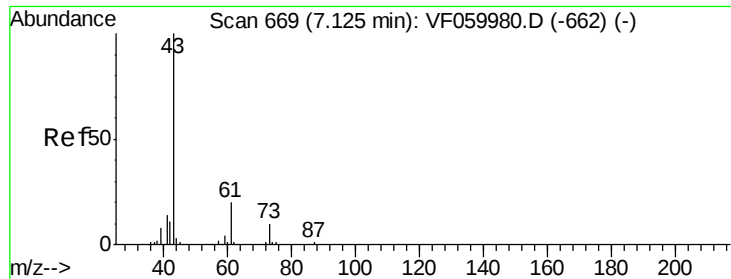
apatel
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#42
1,2-Dichloroethane
Concen: 93.62 ug/l
RT: 5.12 min Scan# 466
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	9.0





#43

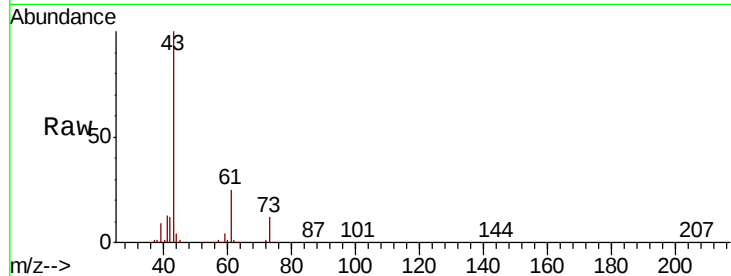
Isopropyl Acetate
 Concen: 108.62 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

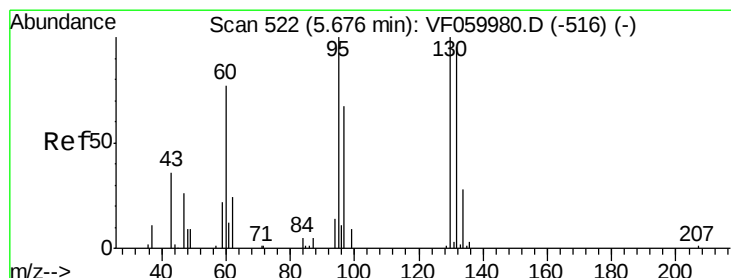
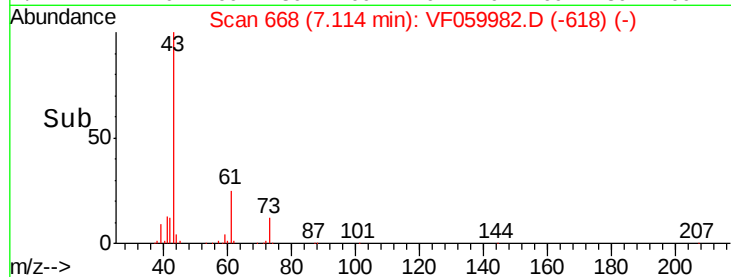
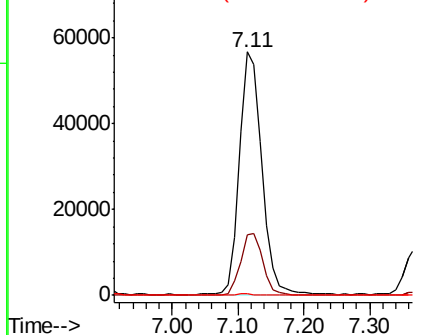
Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	15.8	23.8#
87	0.5	0.6	0.8#

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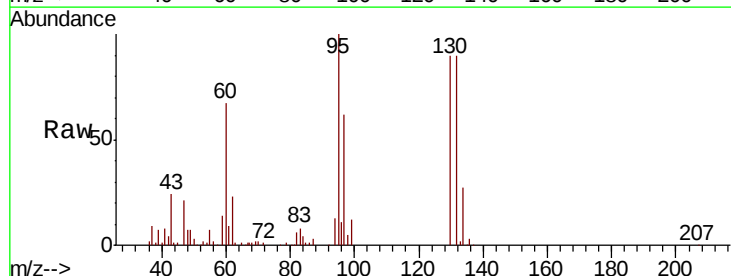
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



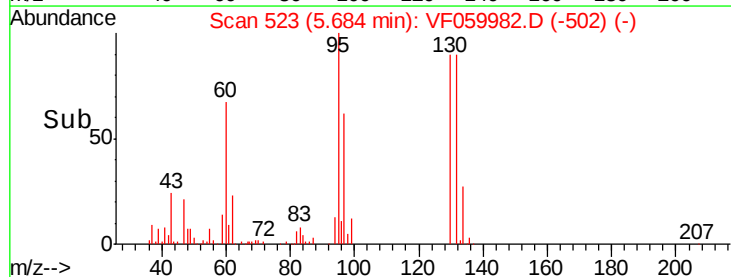
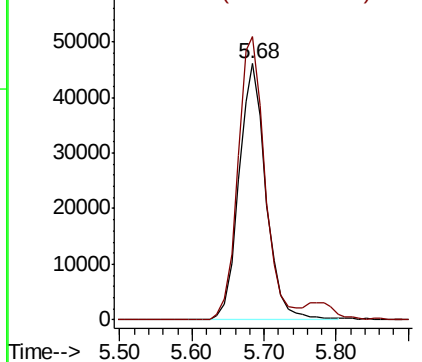
#44

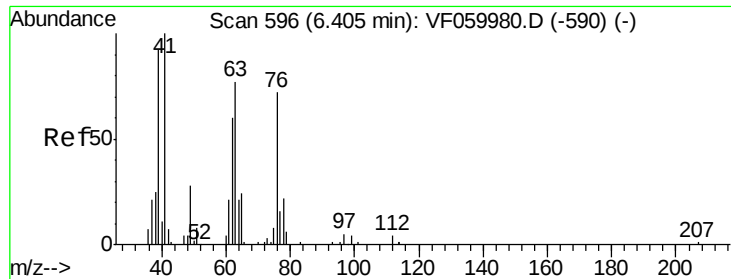
Trichloroethene
 Concen: 91.60 ug/l
 RT: 5.68 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.6	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: 101.97 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 97706

Ion Ratio Lower Upper

63 100

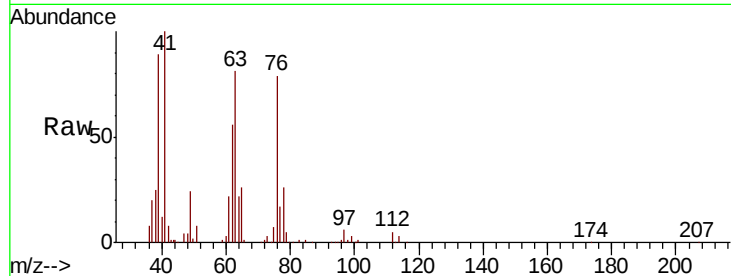
65 32.8 25.0 37.6

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

40000

30000

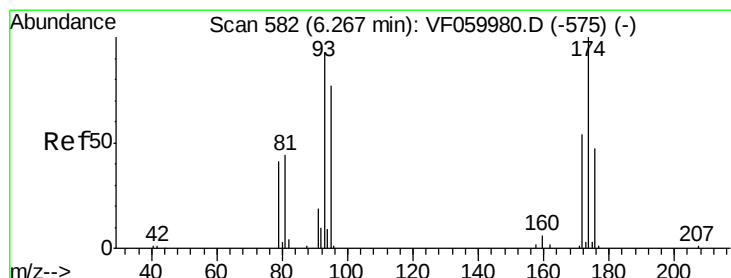
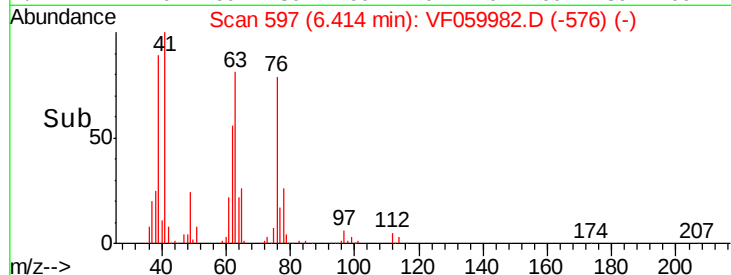
20000

10000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 102.81 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

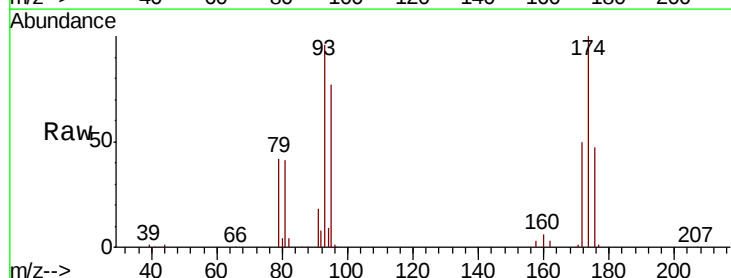
Tgt Ion: 93 Resp: 99917

Ion Ratio Lower Upper

93 100

95 80.1 67.0 100.4

174 104.3 85.7 128.5



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

50000

40000

30000

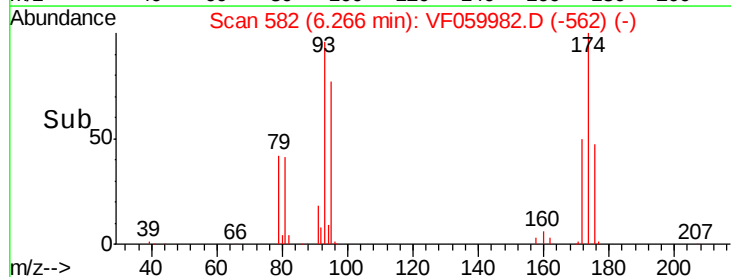
20000

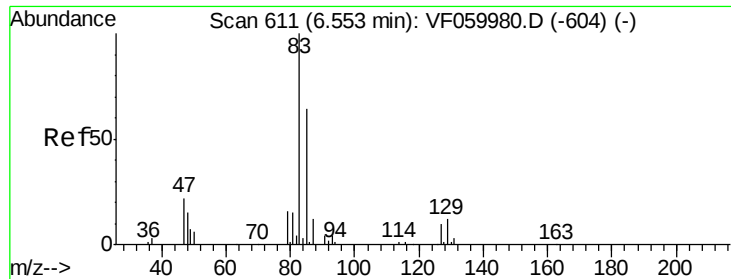
10000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 102.88 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

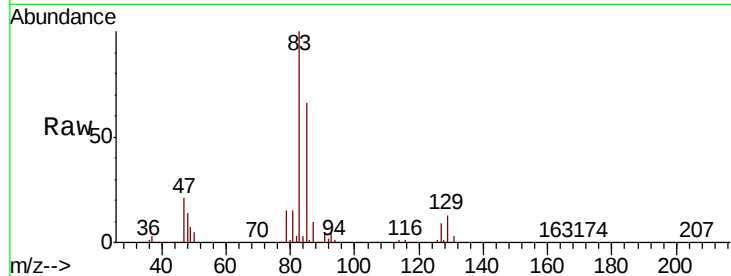
ClientSampleId :

VSTDIC100

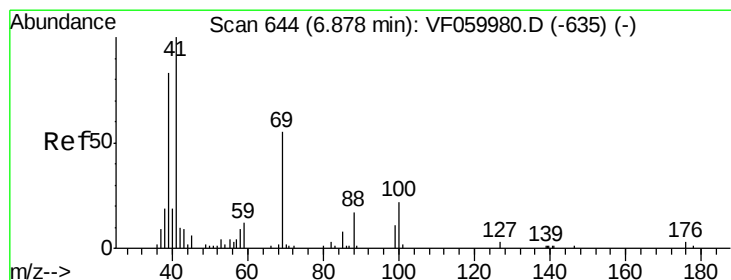
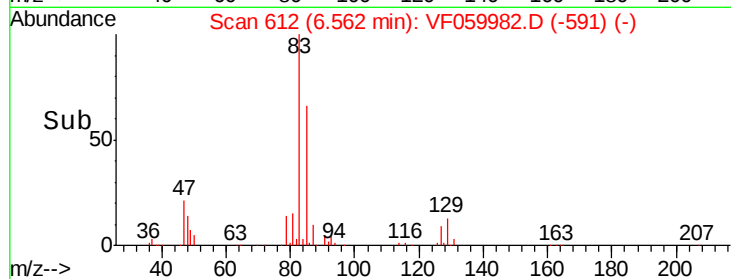
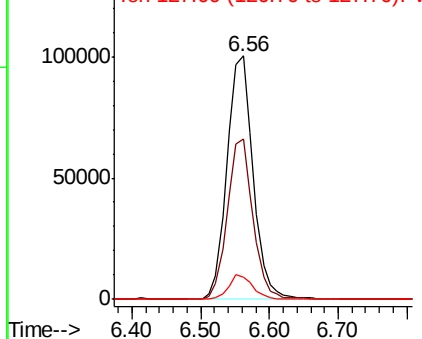
Tot Ion:	83	Resp:	264048
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.4	77.0
127	9.1	8.2	12.2

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 106.05 ug/l

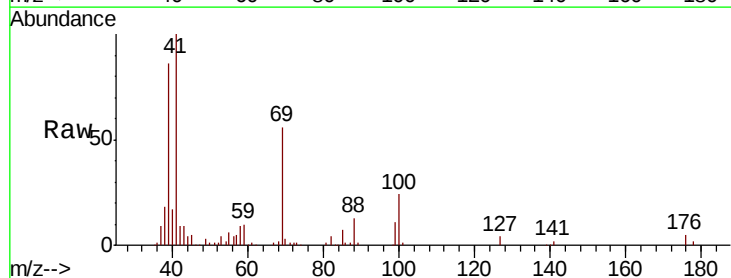
RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

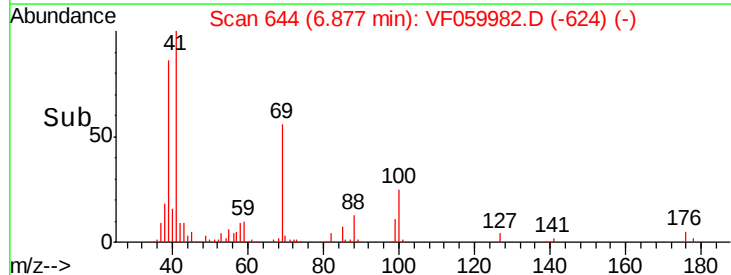
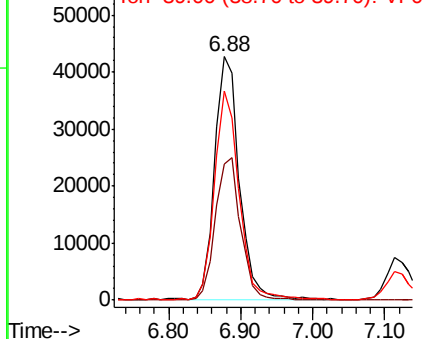
Lab File: VF059982.D

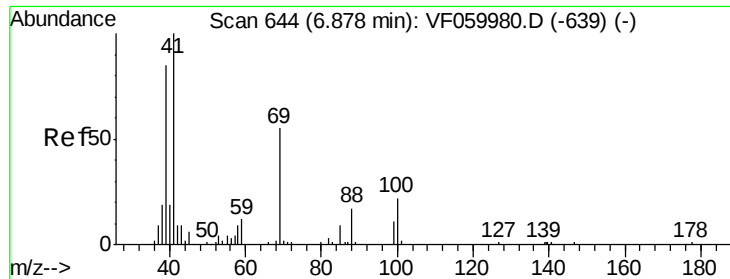
Acq: 17 Aug 2018 19:27

Tgt Ion:	41	Resp:	100326
Ion Ratio	Lower	Upper	
41	100		
69	55.9	44.4	66.6
39	86.0	67.8	101.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





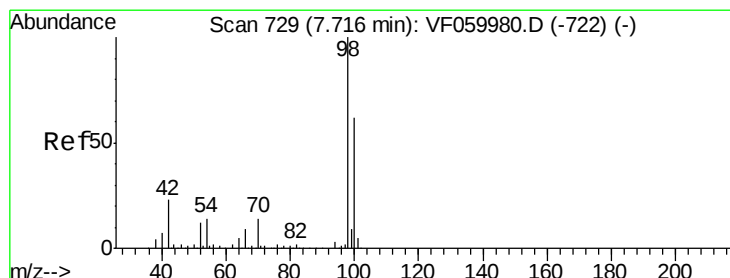
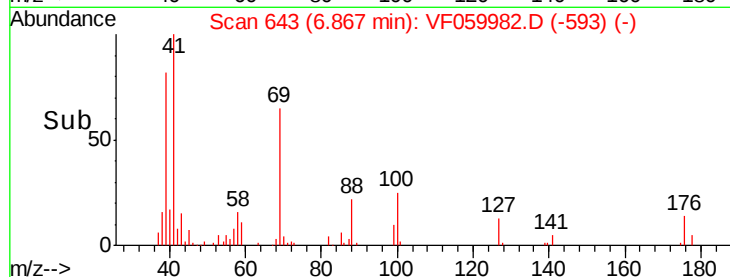
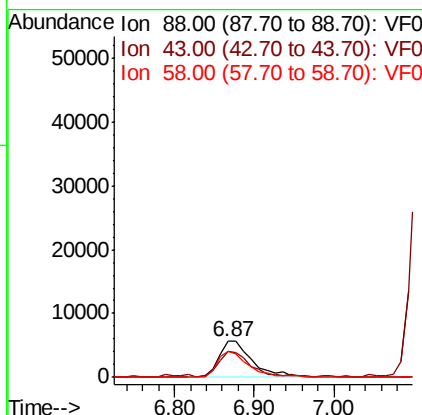
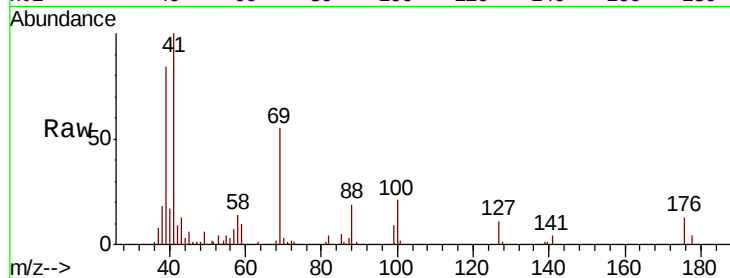
#49
1,4-Dioxane
Concen: 2231.94 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	71.9	43.2	64.8#
58	73.7	42.0	63.0#

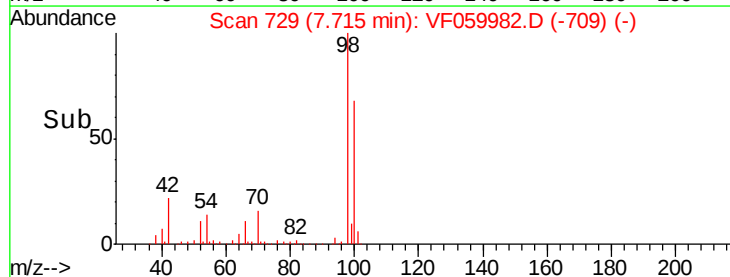
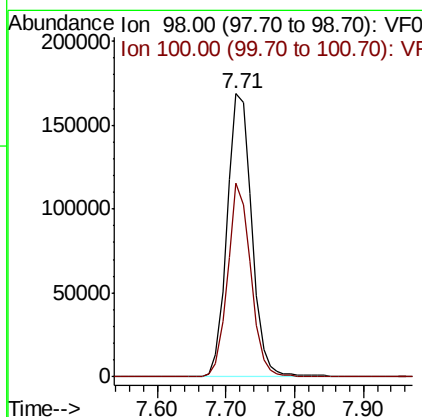
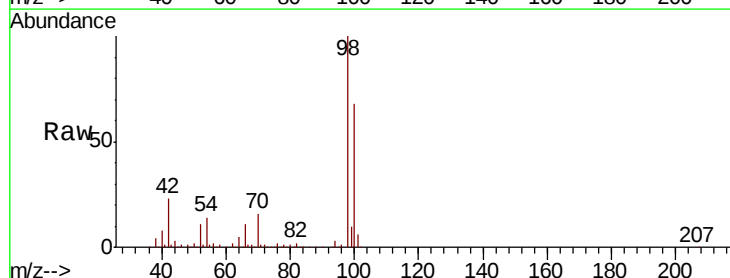
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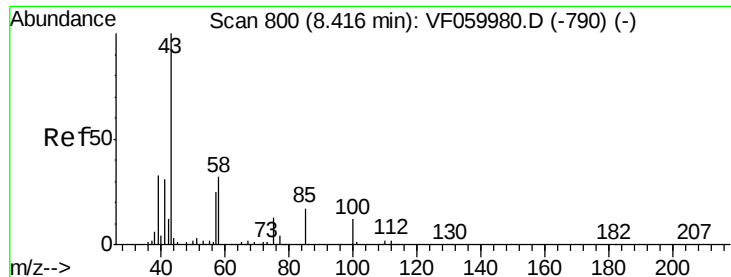
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#50
Toluene-d8
Concen: 106.00 ug/l
RT: 7.71 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.4	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 487.54 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 577794

Ion Ratio Lower Upper

43 100

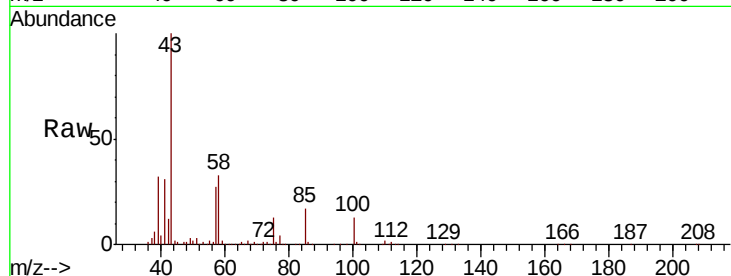
58 32.6 25.6 38.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

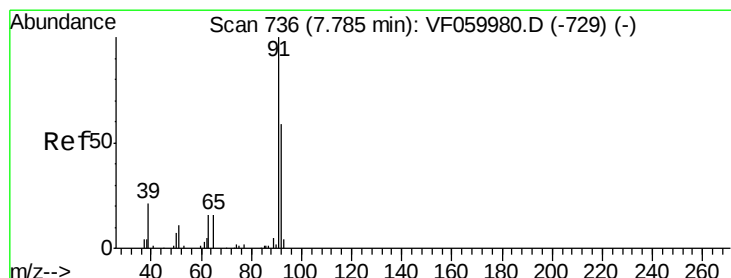
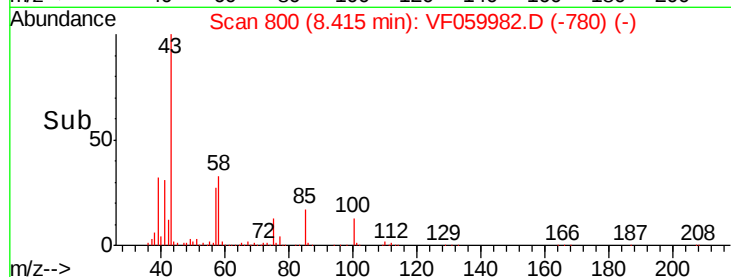
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 92.87 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059982.D

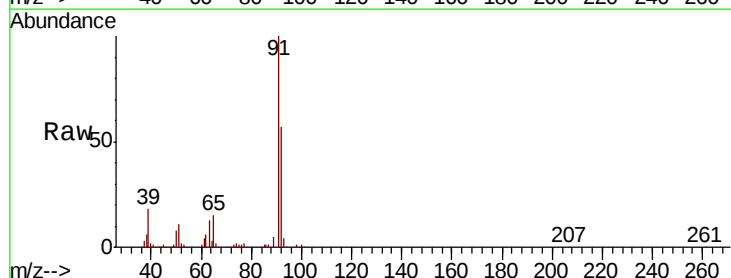
Acq: 17 Aug 2018 19:27

Tgt Ion: 92 Resp: 234997

Ion Ratio Lower Upper

92 100

91 176.2 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

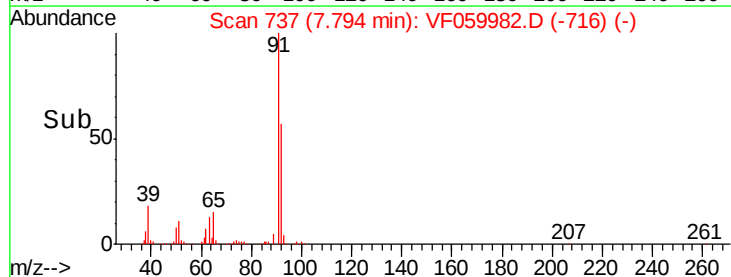
100000

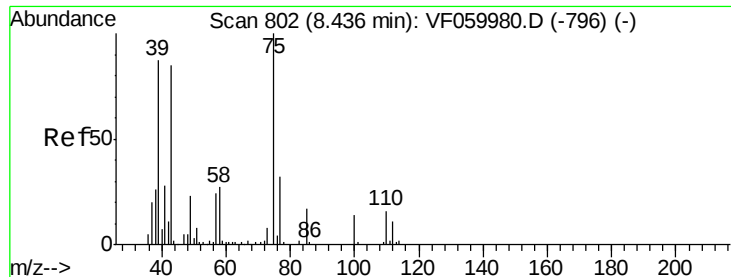
50000

0

7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 104.31 ug/l

RT: 8.43 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tot Ion: 75 Resp: 227318

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

Instrument :

MSVOA_F

ClientSampleId :

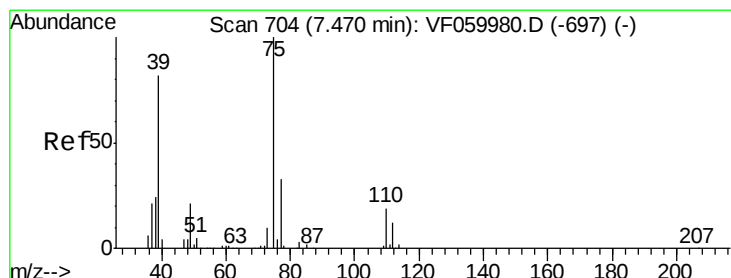
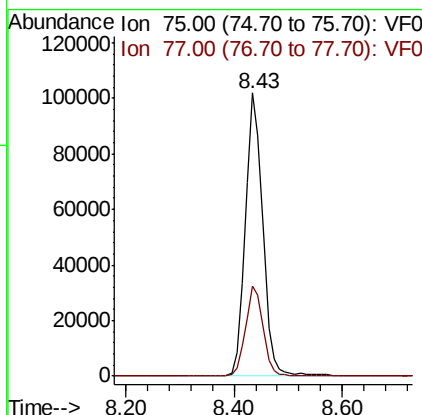
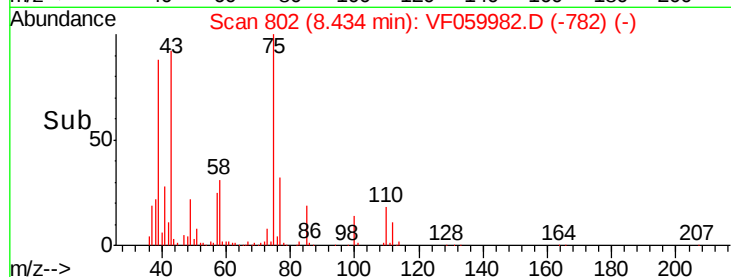
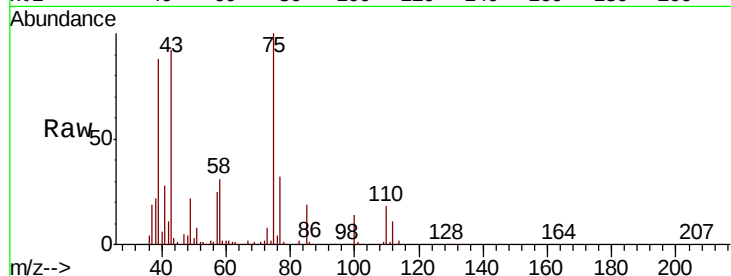
VSTDIC100

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#54

cis-1,3-Dichloropropene

Concen: 100.97 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

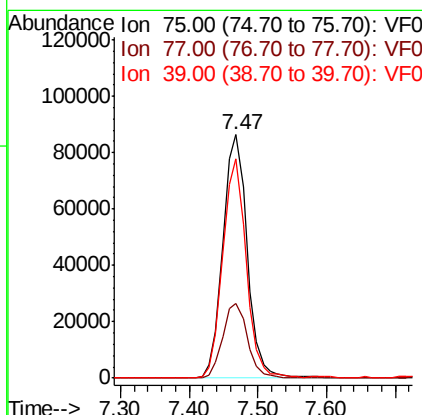
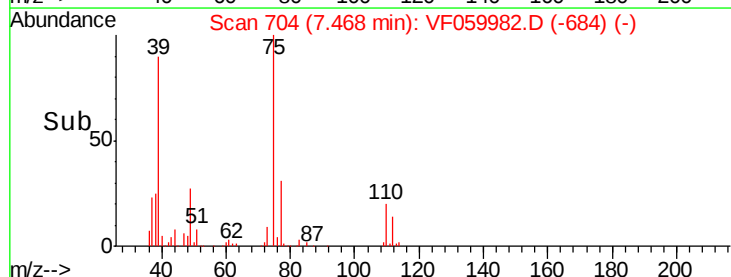
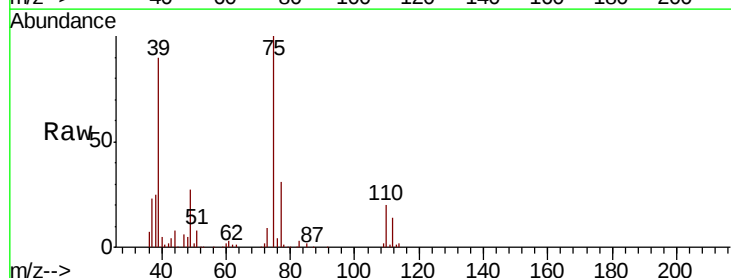
Tgt Ion: 75 Resp: 212093

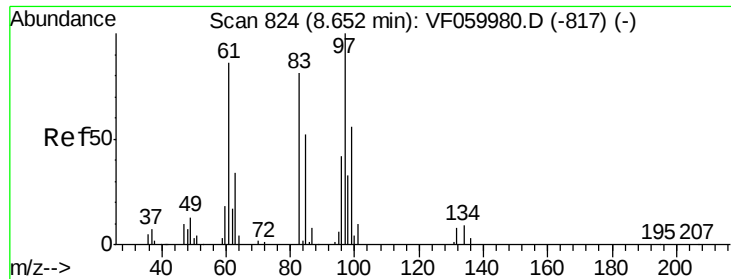
Ion Ratio Lower Upper

75 100

77 30.6 26.0 39.0

39 90.3 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 100.30 ug/l

RT: 8.65 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

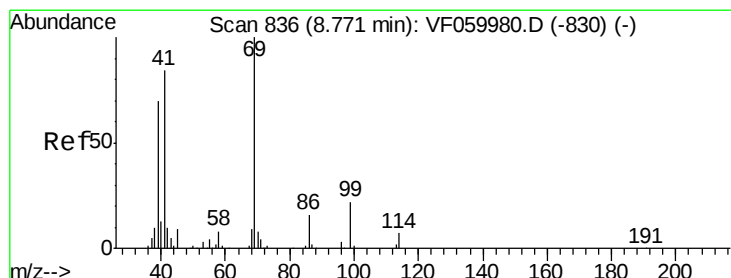
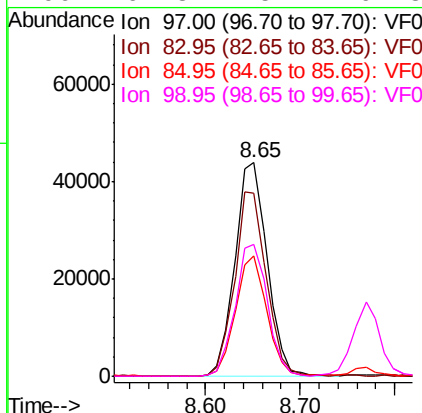
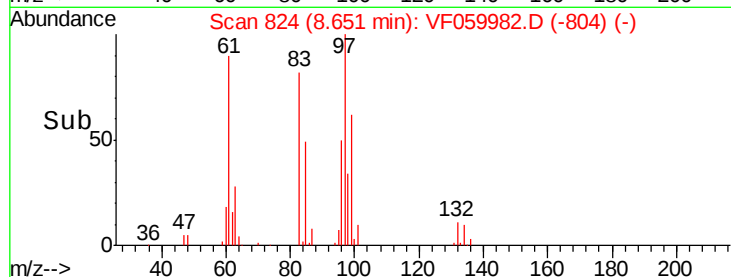
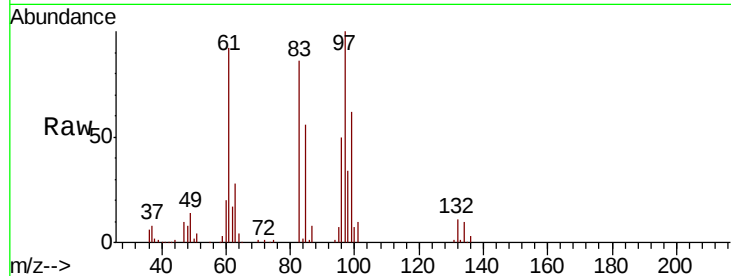
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		104052		
83	85.7	64.9	97.3		
85	56.2	41.8	62.6		
99	61.8	45.2	67.8		

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#56

Ethyl methacrylate

Concen: 107.68 ug/l

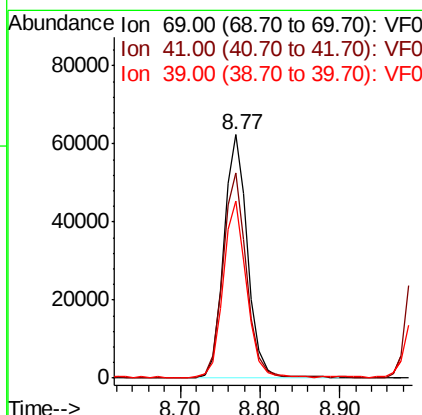
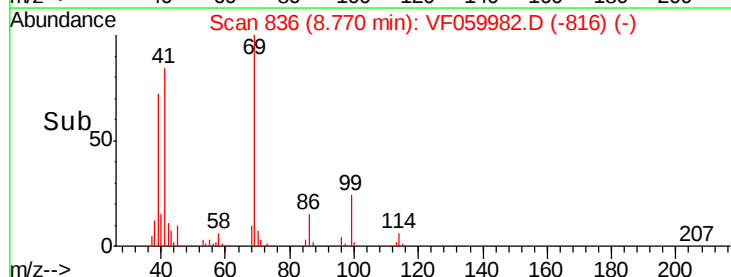
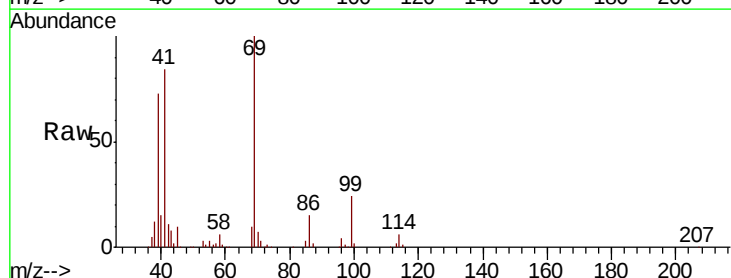
RT: 8.77 min Scan# 836

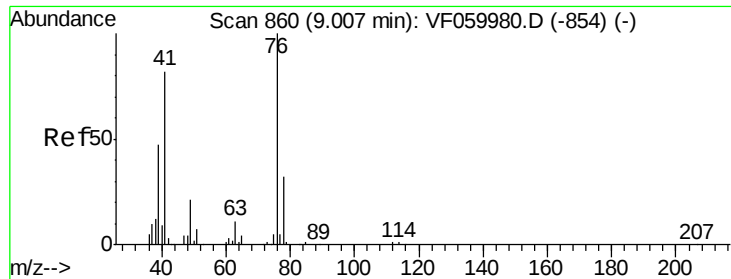
Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		130165		
41	84.4	67.8	101.6		
39	72.6	55.8	83.6		





#57

1,3-Dichloropropane

Concen: 100.14 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 184537

Ion Ratio Lower Upper

76 100

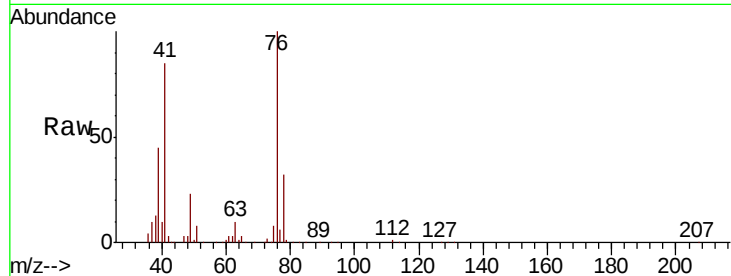
78 31.7 25.3 37.9

Manual Integrations

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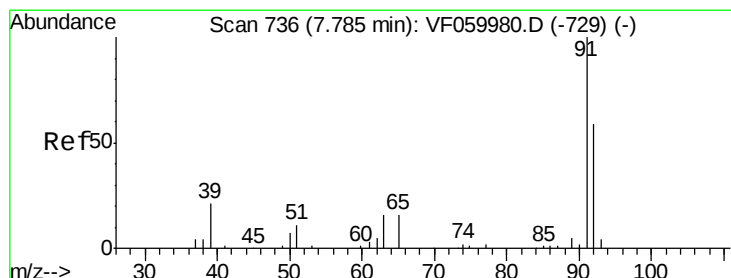
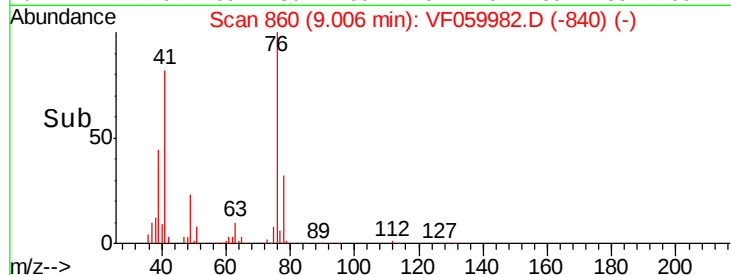
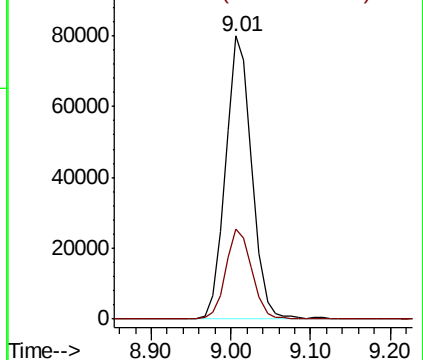
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 561.90 ug/l

RT: 7.78 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF059982.D

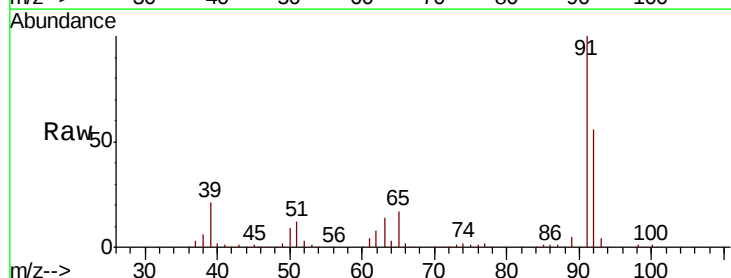
Acq: 17 Aug 2018 19:27

Tgt Ion: 63 Resp: 55834

Ion Ratio Lower Upper

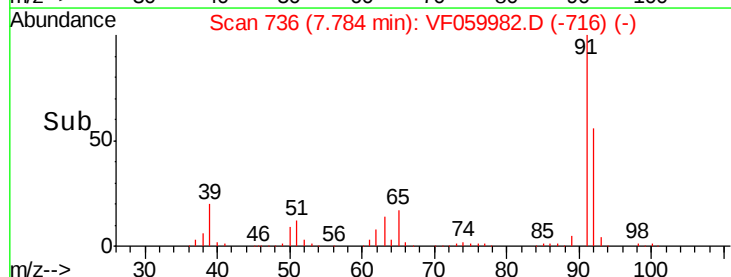
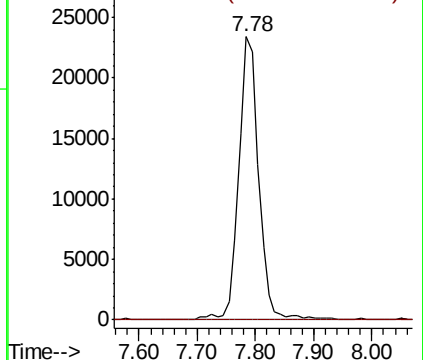
63 100

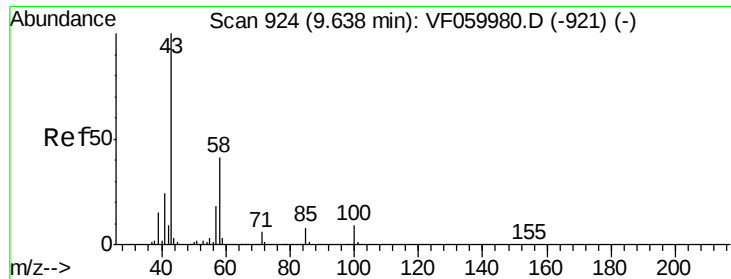
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





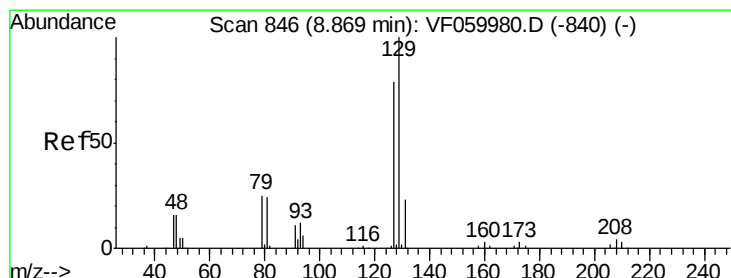
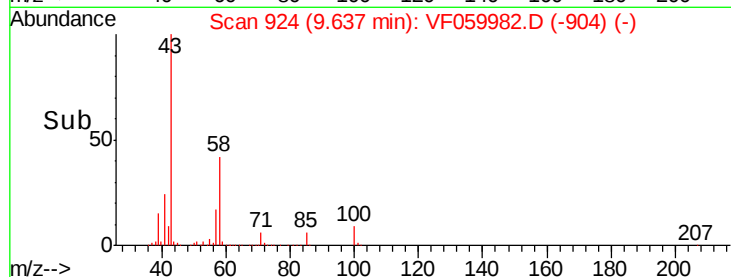
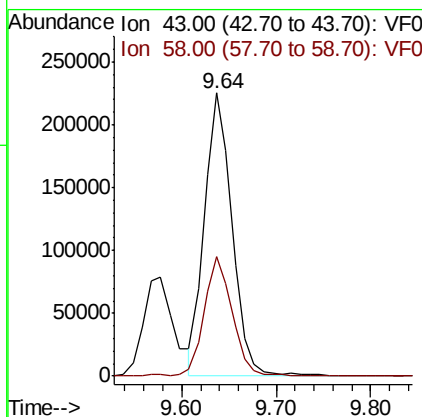
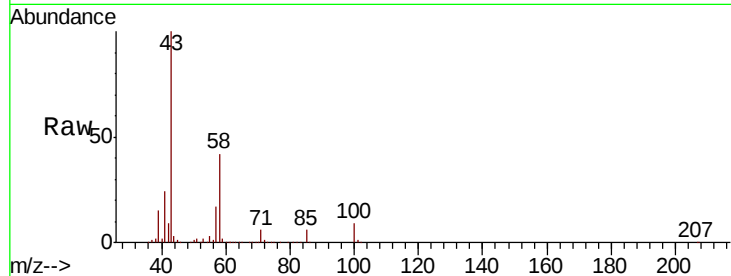
#59
2-Hexanone
Concen: 462.59 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	20.1	60.3

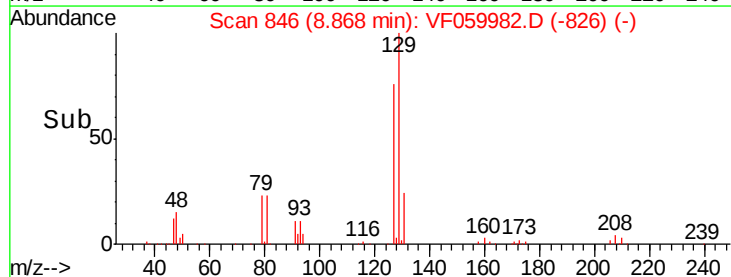
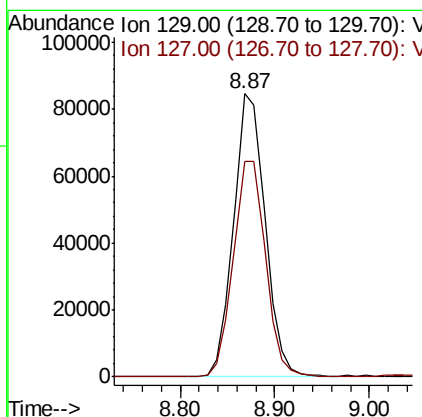
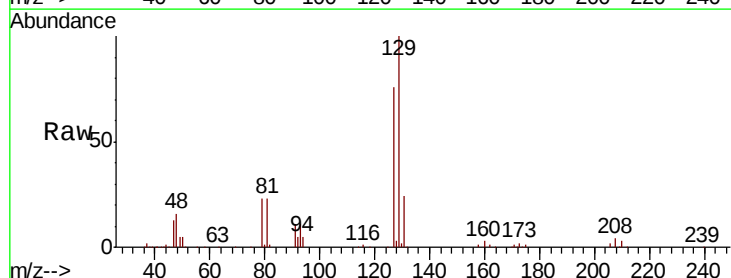
Manual Integrations
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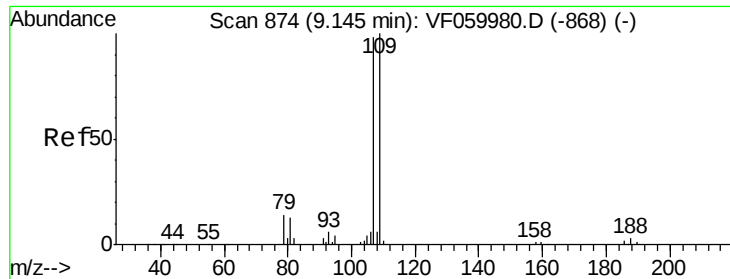
apatel
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#60
Dibromochloromethane
Concen: 104.64 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.5	118.5





#61

1,2-Dibromoethane

Concen: 96.76 ug/l

RT: 9.14 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 126628

Ion Ratio Lower Upper

107 100

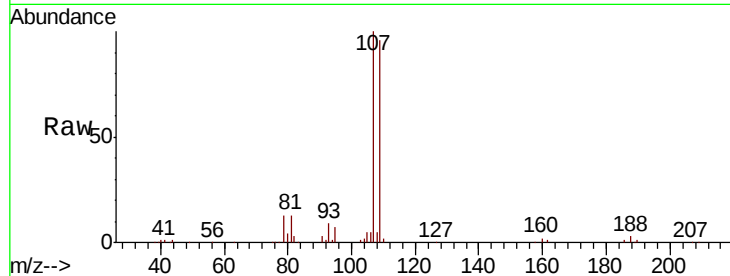
109 96.0 81.7 122.5

Manual Integrations

APPROVED

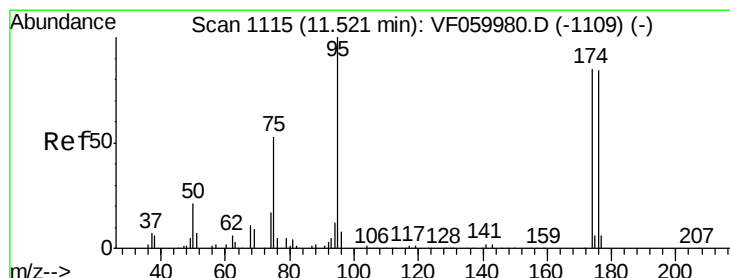
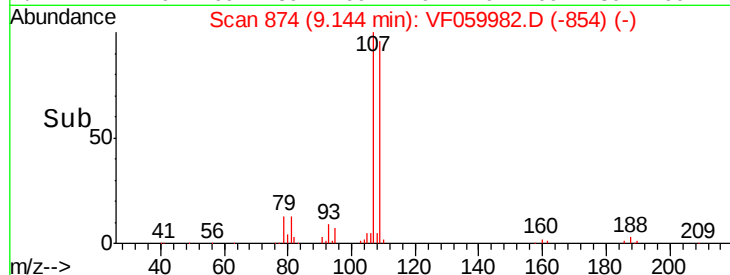
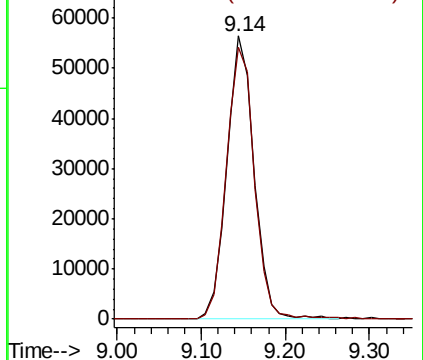
apatel

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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: 102.79 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

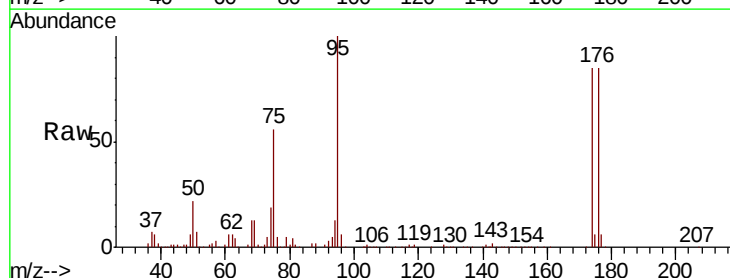
Tgt Ion: 95 Resp: 248969

Ion Ratio Lower Upper

95 100

174 85.3 0.0 169.8

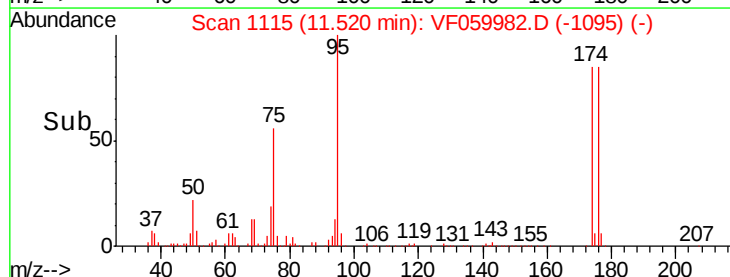
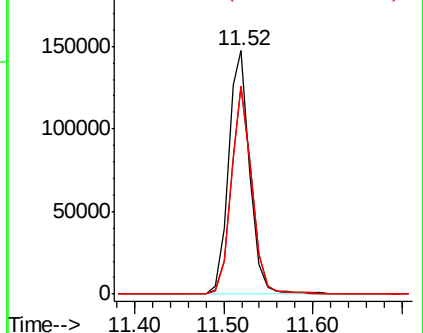
176 85.3 0.0 167.8

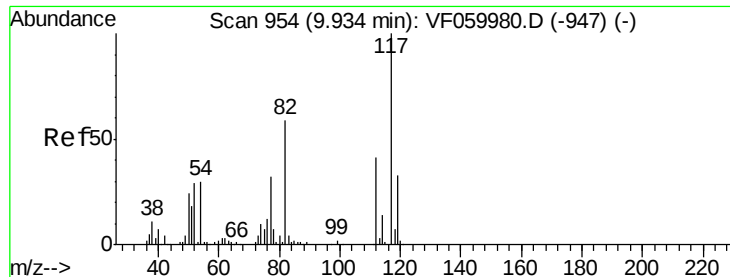


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





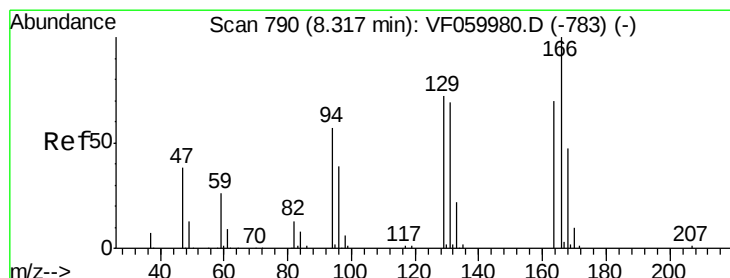
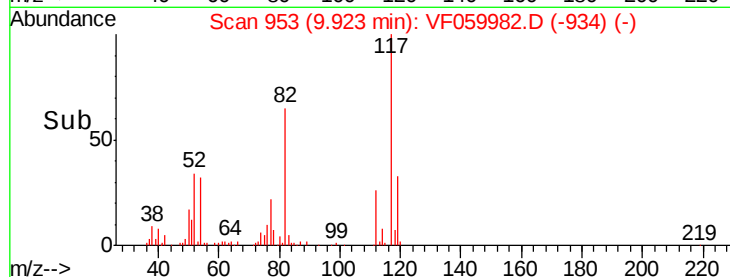
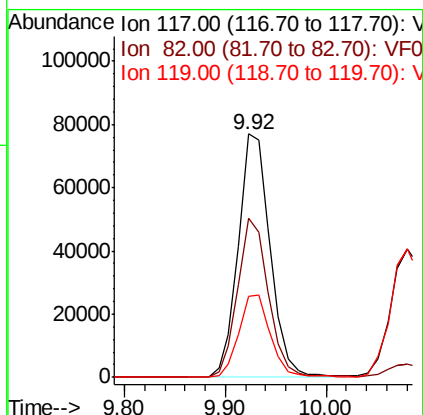
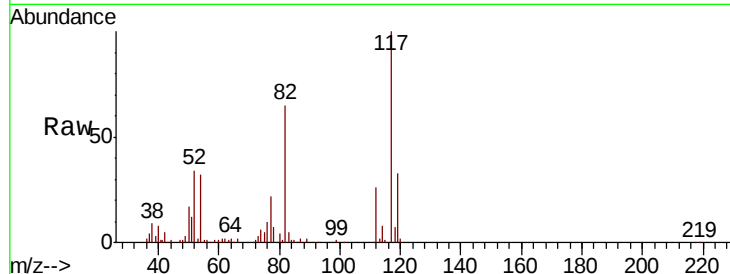
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	170125		
82	65.2	47.2	70.8	
119	33.1	26.1	39.1	

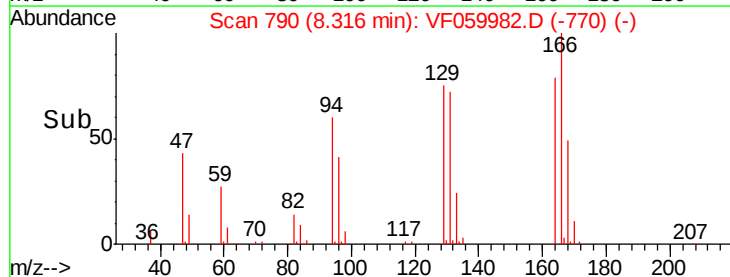
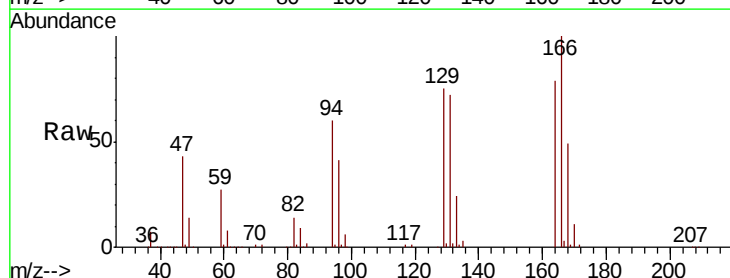
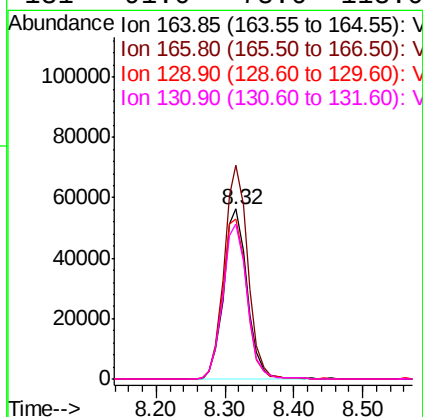
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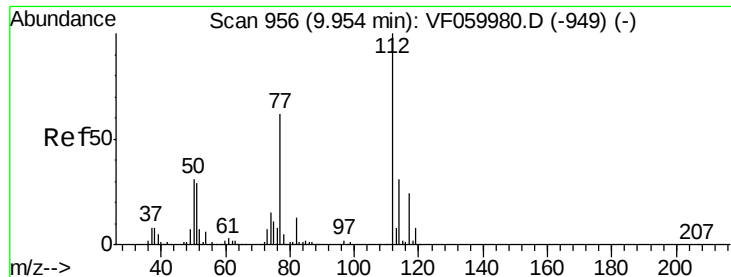
apatel
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#64
Tetrachloroethene
Concen: 104.36 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133261		
166	125.9	114.5	171.7	
129	94.5	82.3	123.5	
131	91.0	78.6	118.0	





#65

Chlorobenzene

Concen: 99.32 ug/l

RT: 9.95 min Scan# 956

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 329684

Ion Ratio Lower Upper

112 100

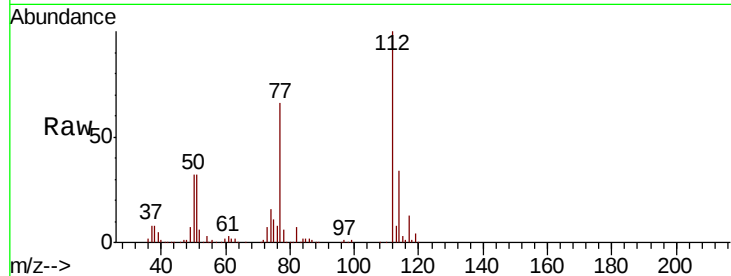
114 34.3 25.0 37.4

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

100000

50000

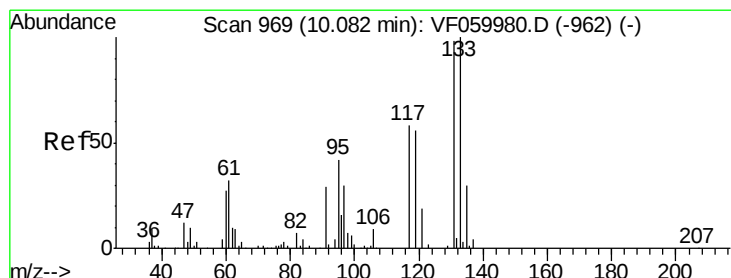
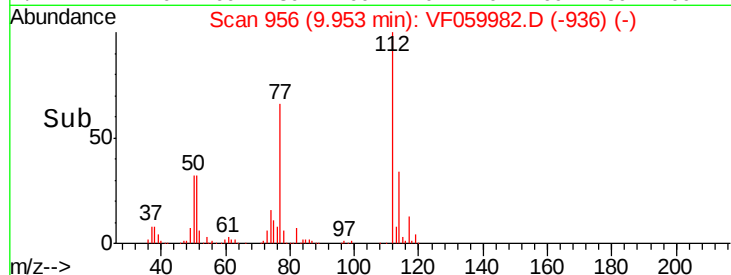
0

9.90

9.95

10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 105.39 ug/l

RT: 10.08 min Scan# 969

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

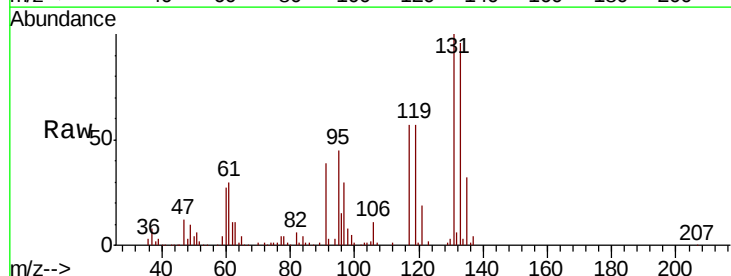
Tgt Ion:131 Resp: 160777

Ion Ratio Lower Upper

131 100

133 95.6 51.1 153.3

119 57.2 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

80000

60000

40000

20000

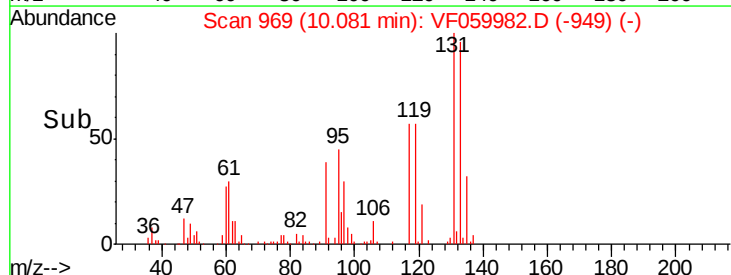
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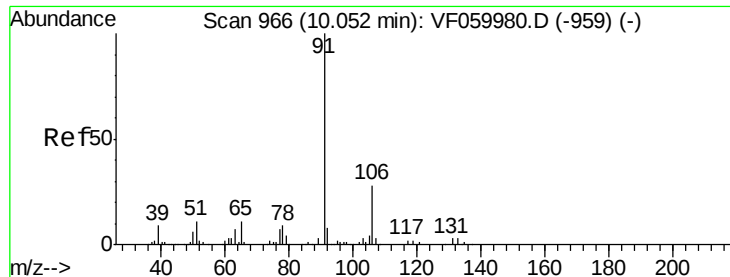
10.00

10.08

10.20

Time-->





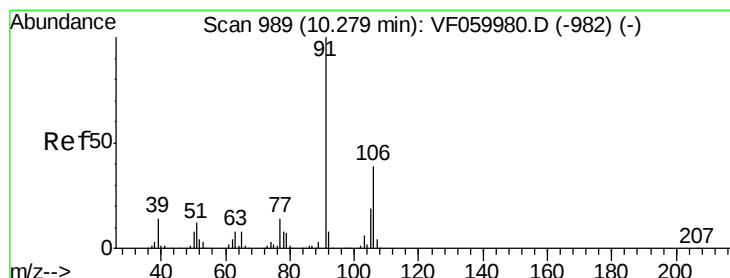
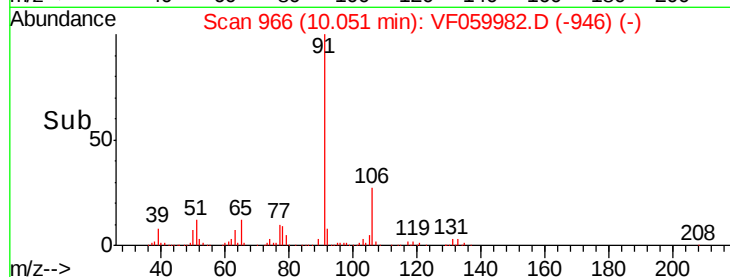
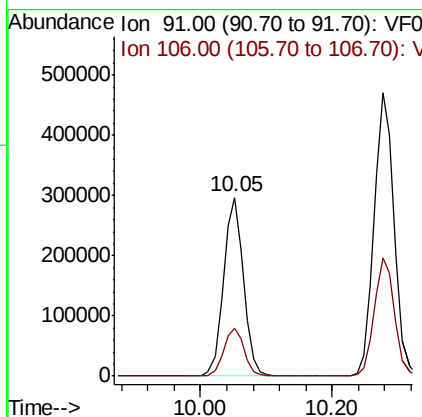
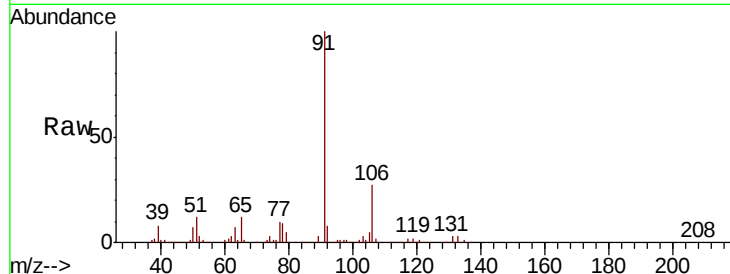
#67
Ethyl Benzene
Concen: 105.66 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 629531
Ion Ratio Lower Upper
91 100
106 26.8 22.0 33.0

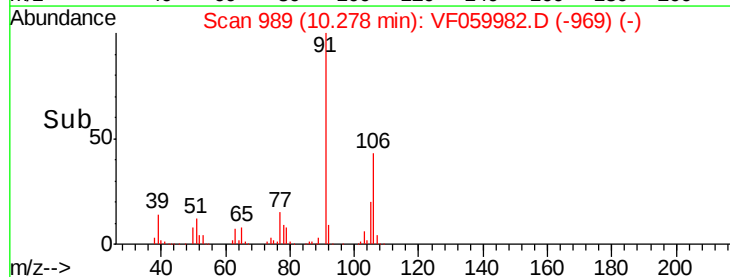
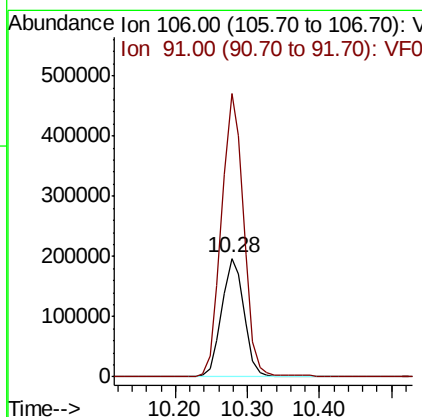
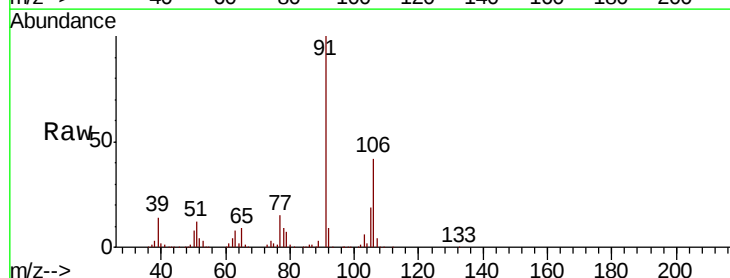
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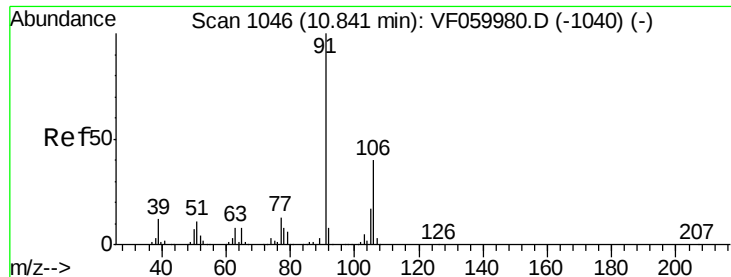
apatel
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#68
m/p-Xylenes
Concen: 204.15 ug/l
RT: 10.28 min Scan# 989
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion: 106 Resp: 423356
Ion Ratio Lower Upper
106 100
91 239.3 203.5 305.3





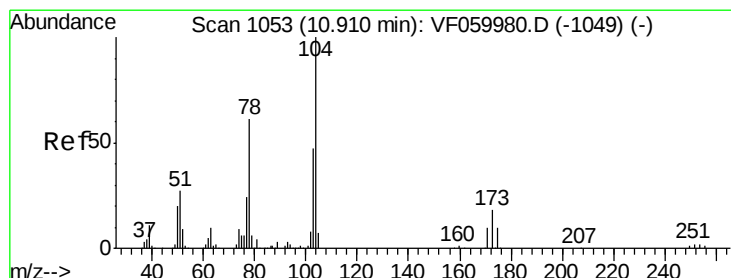
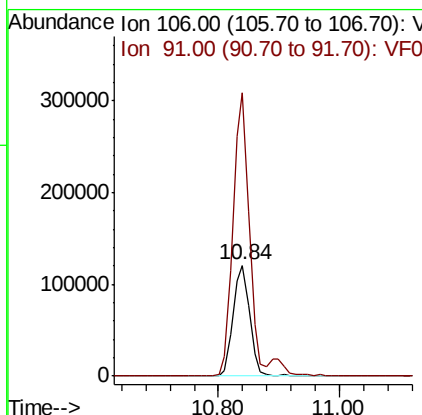
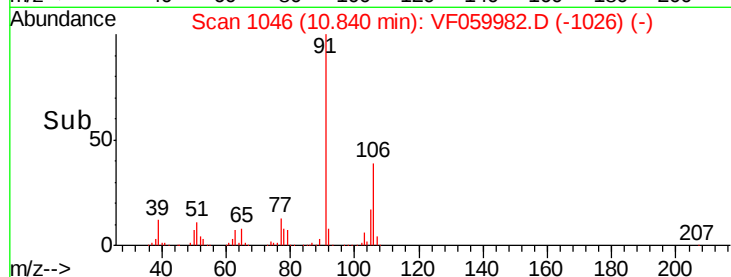
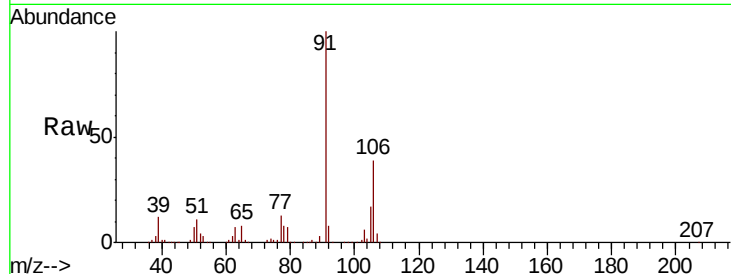
#69
o-Xylene
Concen: 108.94 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	255.6	125.4	376.2

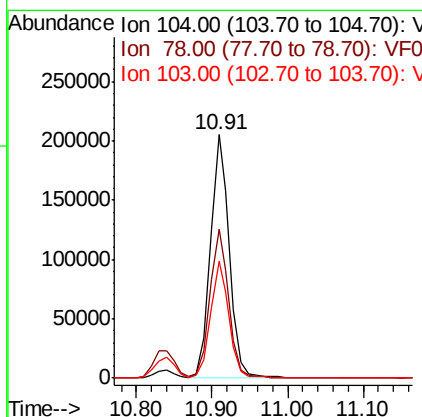
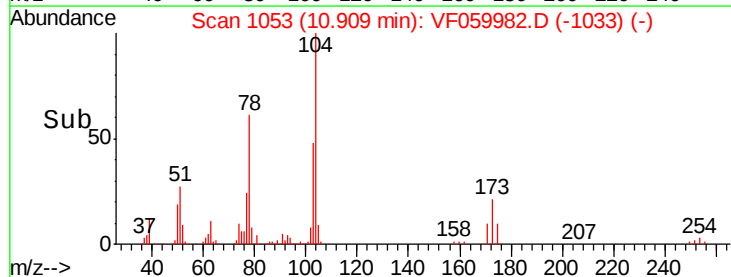
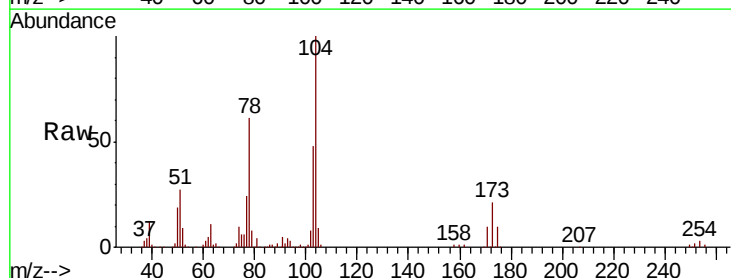
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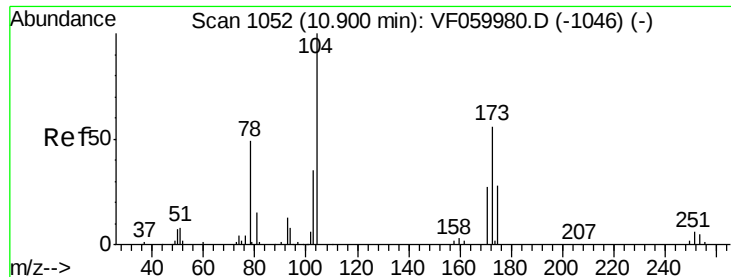
apatel
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#70
Styrene
Concen: 106.46 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	61.0	49.0	73.6
103	48.2	38.2	57.4





#71

Bromoform

Concen: 112.11 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

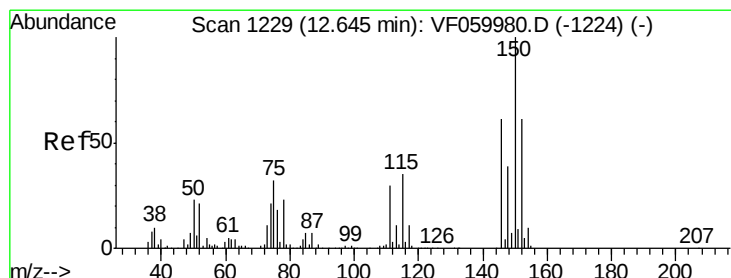
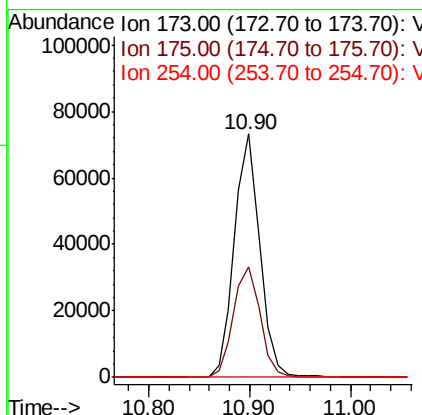
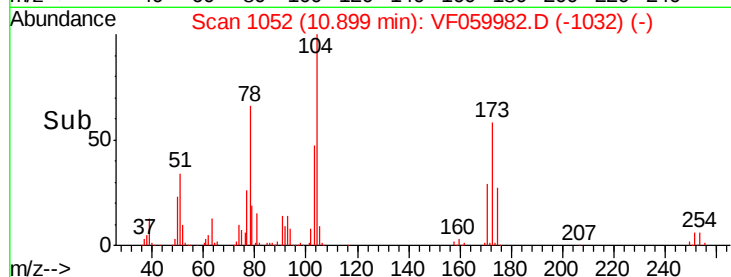
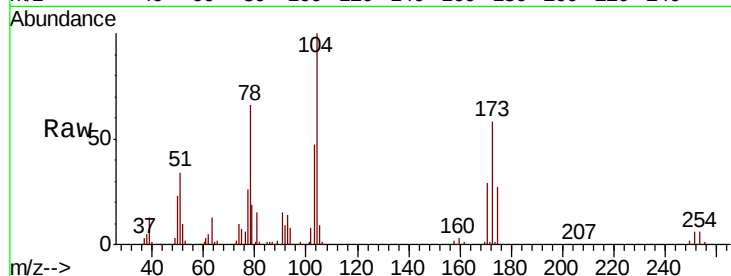
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.6	24.8	74.3
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

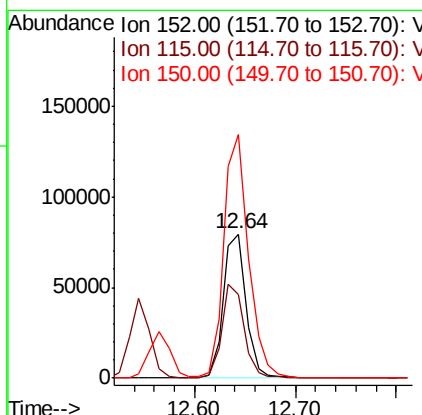
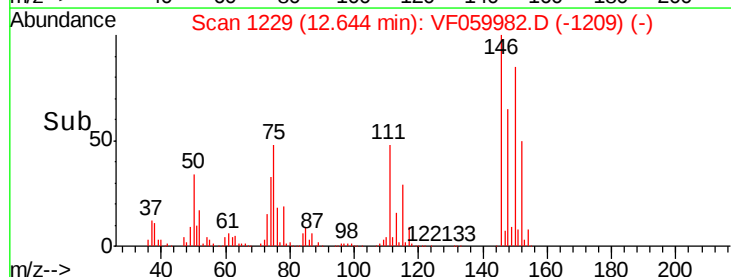
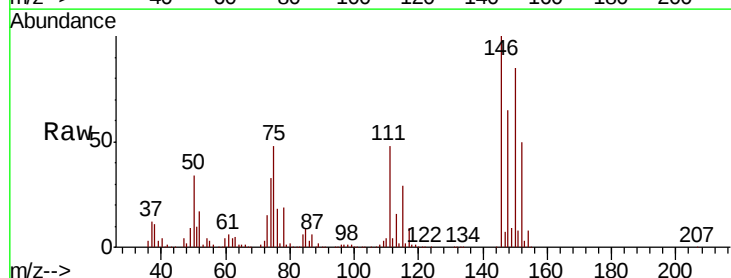
RT: 12.64 min Scan# 1229

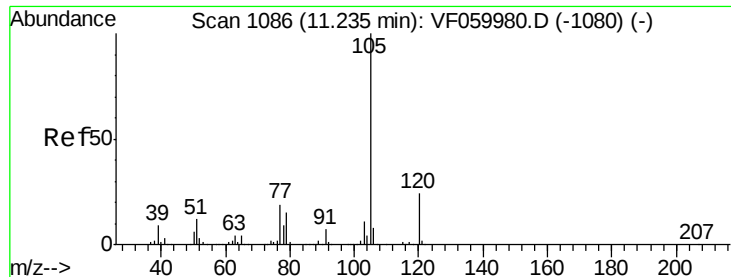
Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.1	87.3
150	169.1	0.0	330.2





#73

Isopropylbenzene

Concen: 98.08 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 737425

Ion Ratio Lower Upper

105 100

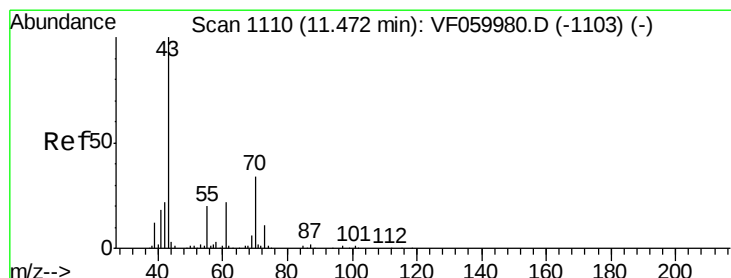
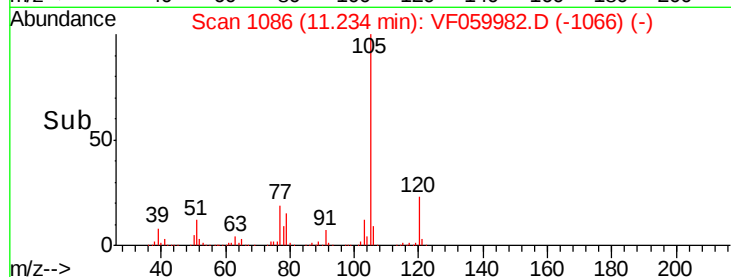
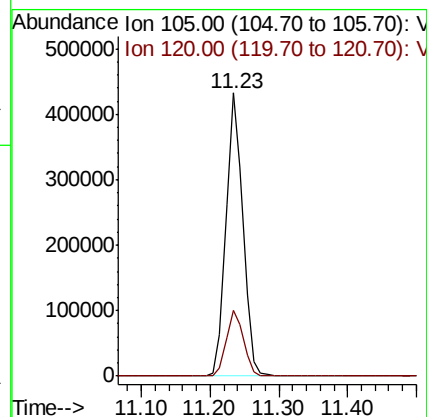
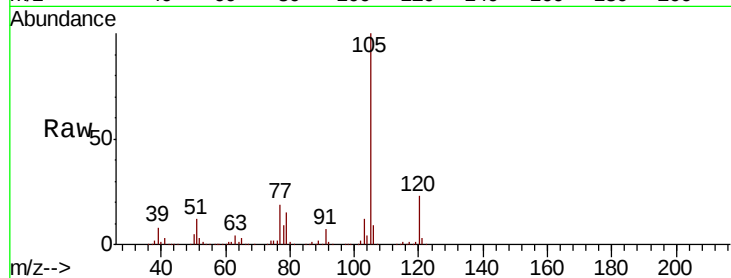
120 23.4 11.9 35.5

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#74

N-ethyl acetate

Concen: 102.89 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion: 43 Resp: 228796

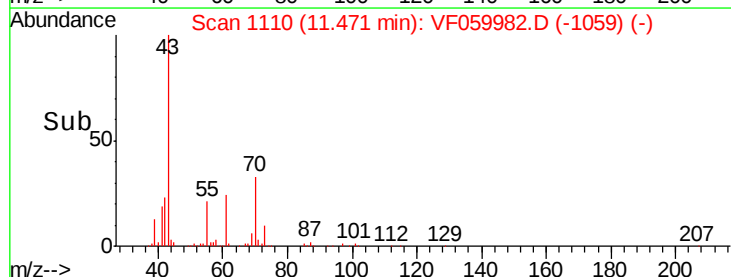
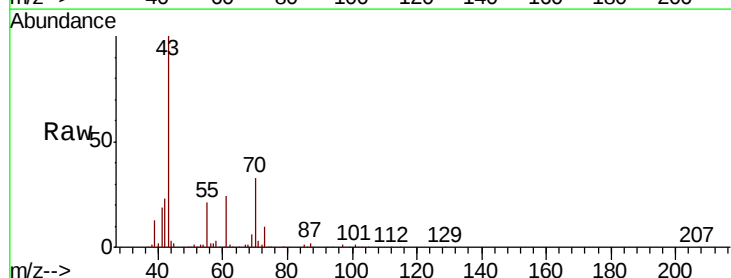
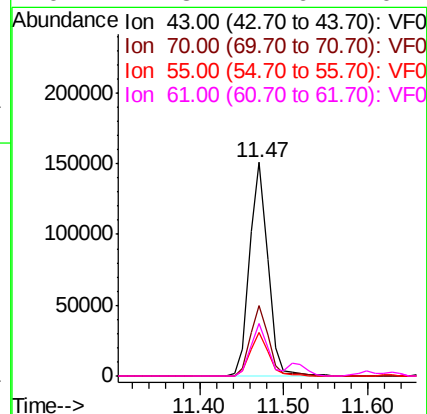
Ion Ratio Lower Upper

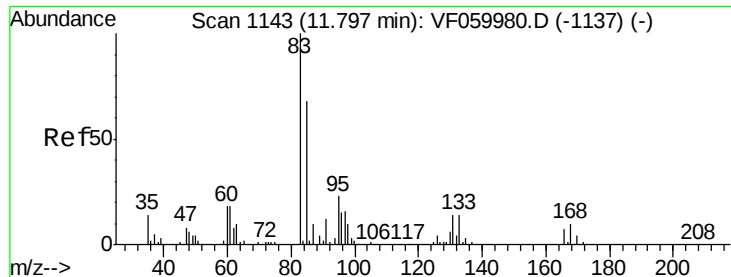
43 100

70 33.1 27.2 40.8

55 20.7 16.4 24.6

61 24.3 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 92.23 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

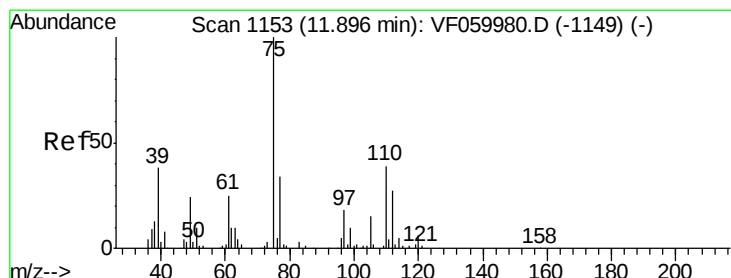
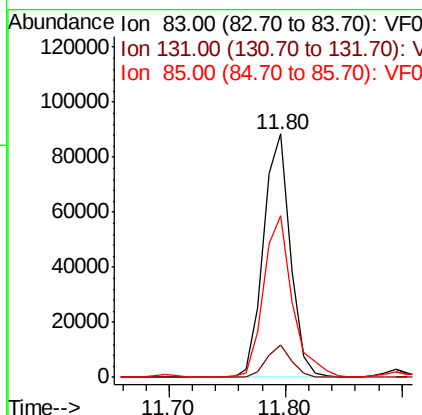
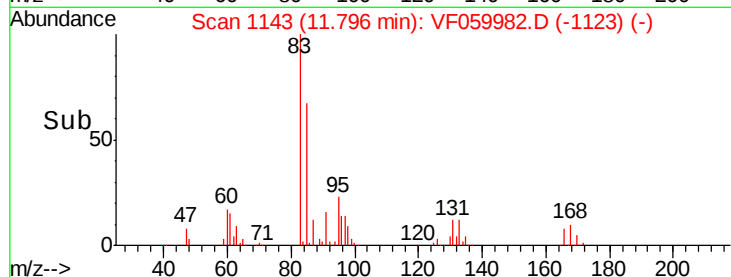
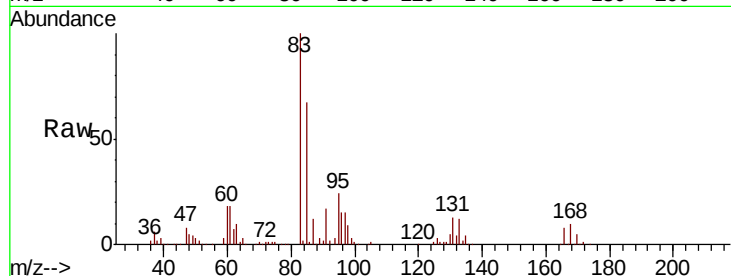
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	13.1	7.2	21.6
85	66.6	34.1	102.2

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#76

1,2,3-Trichloropropane

Concen: 91.18 ug/l

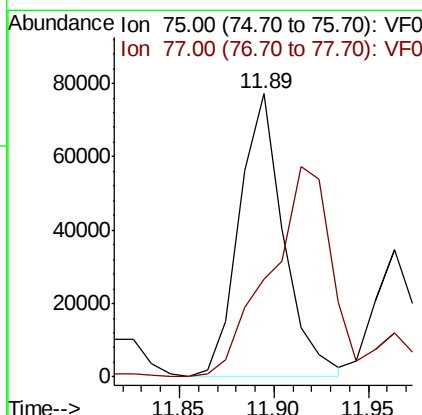
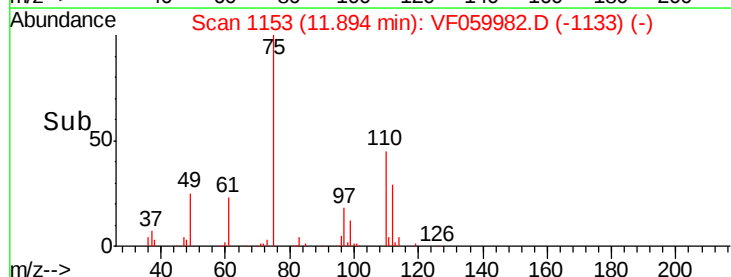
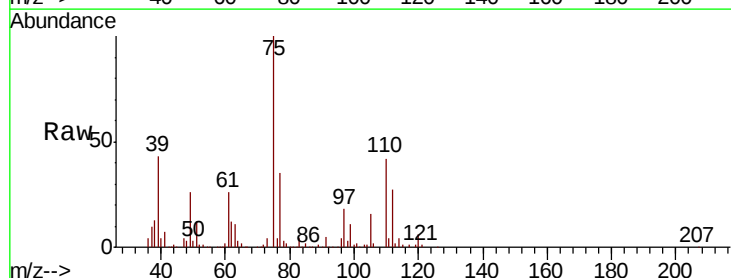
RT: 11.89 min Scan# 1153

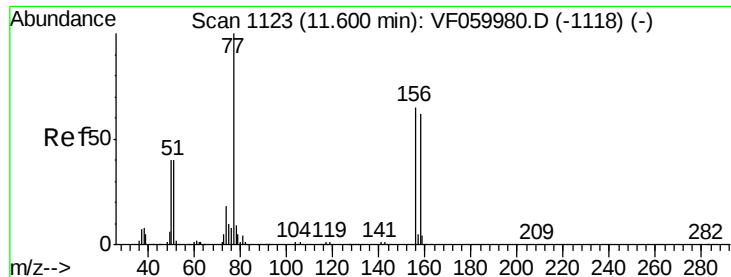
Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.7	17.1	51.3





#77

Bromobenzene

Concen: 90.80 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

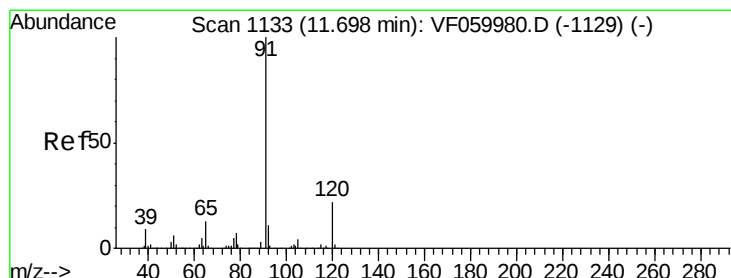
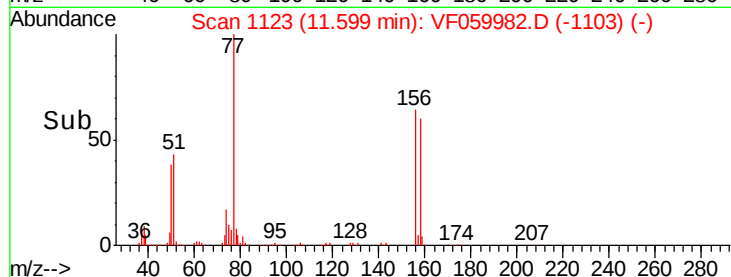
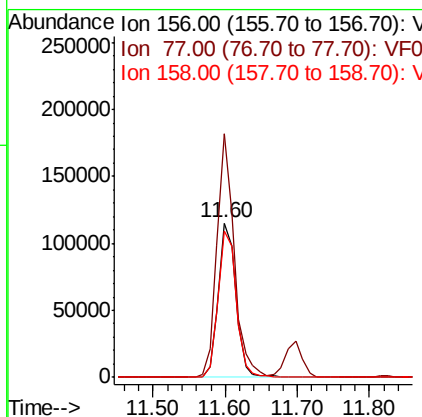
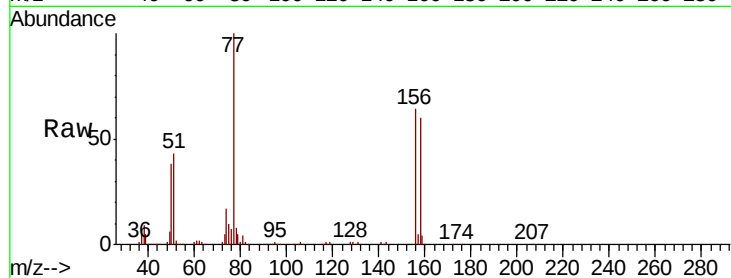
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	192621
Ion Ratio	Lower	Upper	
156	100		
77	157.4	76.9	230.7
158	94.8	47.7	143.1

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#78

n-propylbenzene

Concen: 90.23 ug/l

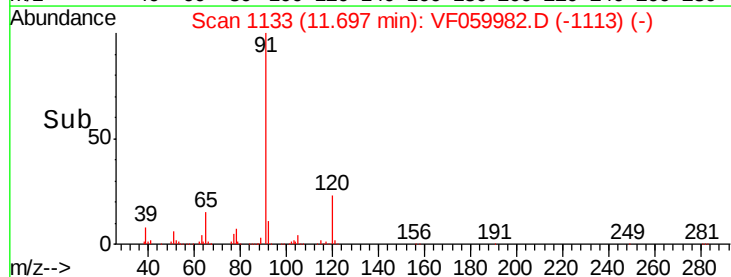
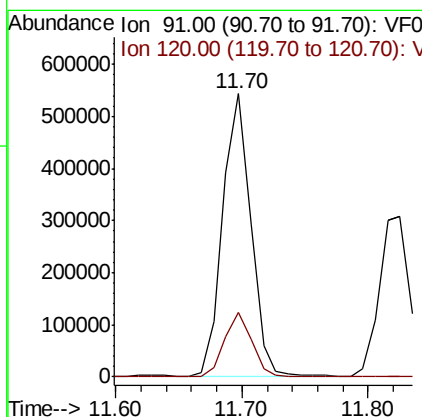
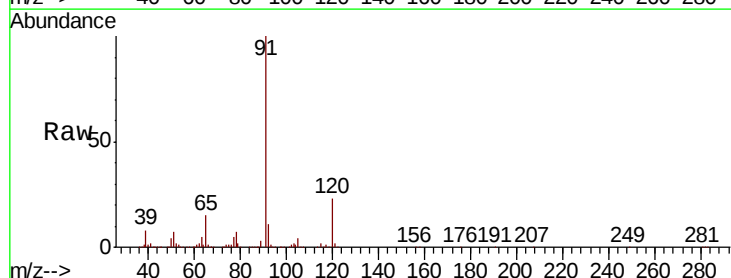
RT: 11.70 min Scan# 1133

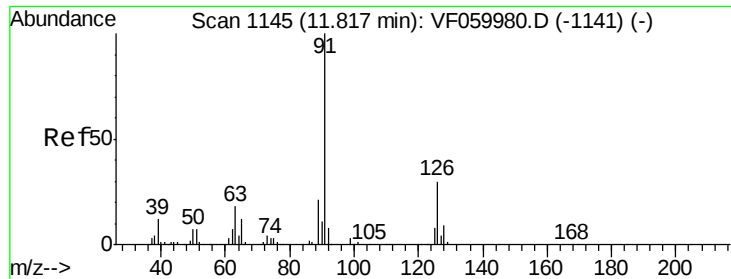
Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion:	91	Resp:	842434
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.0	33.0





#79

2-Chlorotoluene

Concen: 90.36 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 516741

Ion Ratio Lower Upper

91 100

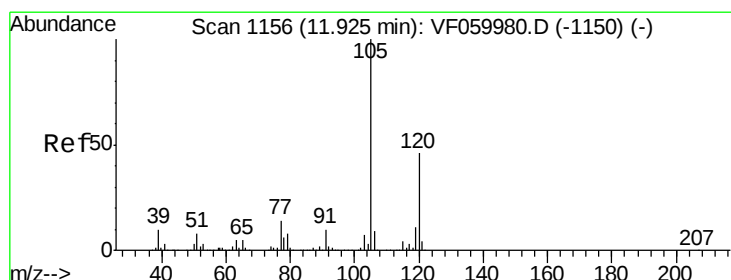
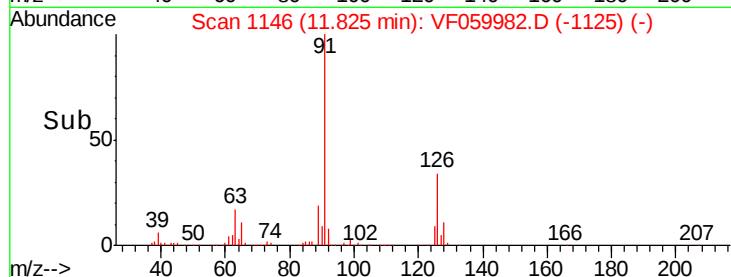
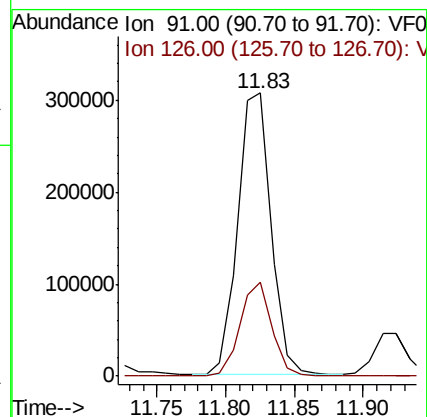
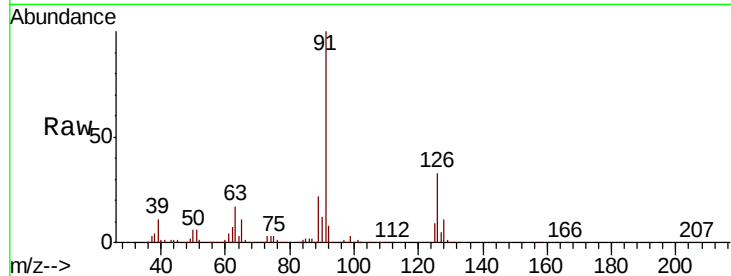
126 33.3 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 93.66 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059982.D

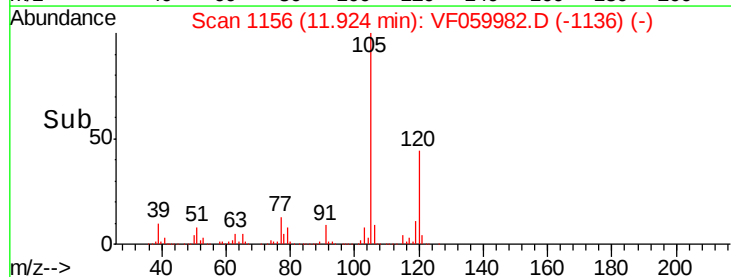
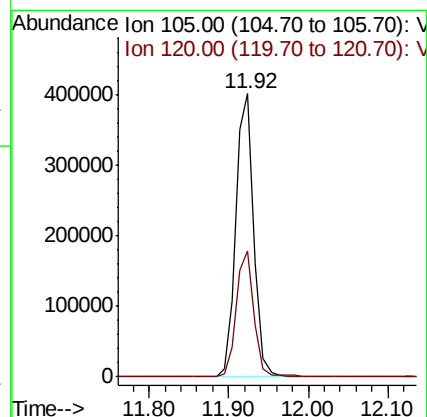
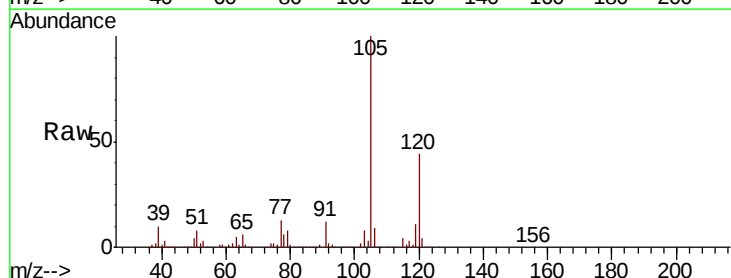
Acq: 17 Aug 2018 19:27

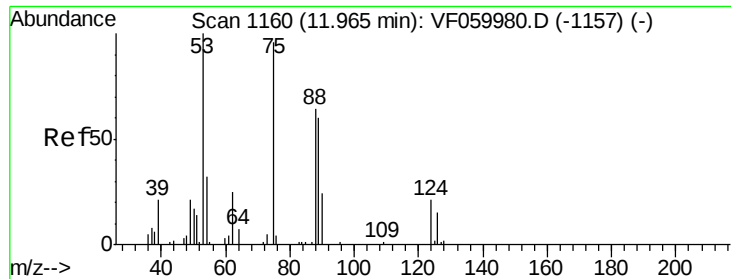
Tgt Ion: 105 Resp: 637463

Ion Ratio Lower Upper

105 100

120 44.4 22.9 68.7





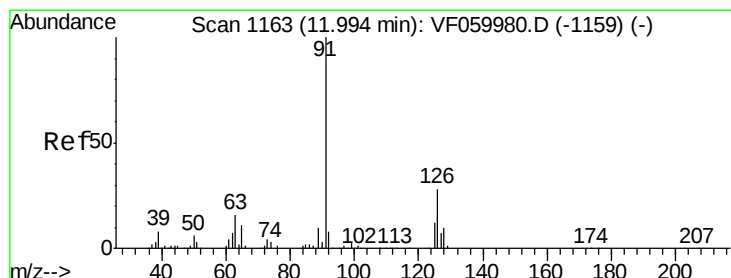
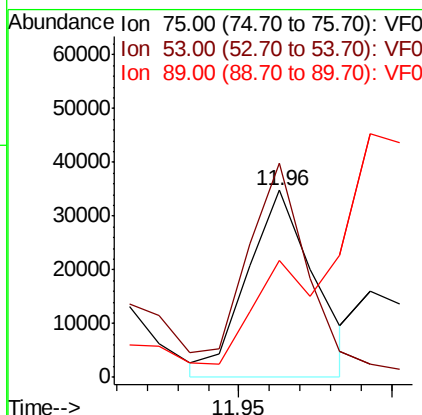
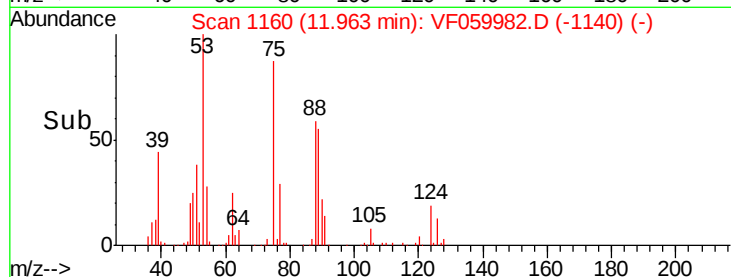
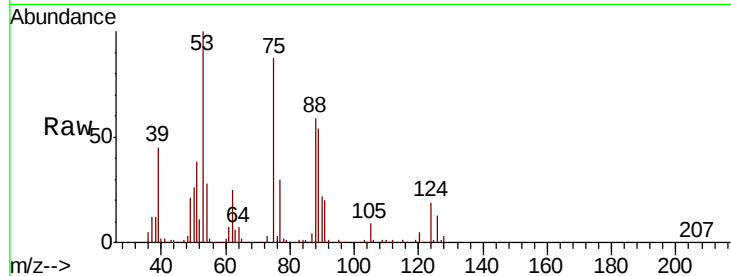
#81
trans-1,4-Dichloro-2-butene
Concen: 75.14 ug/l m
RT: 11.96 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.7	87.4	131.0
89	62.2	52.8	79.2

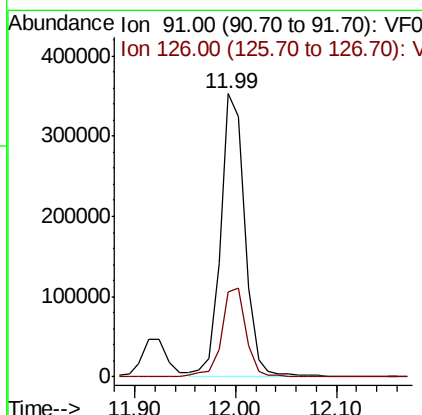
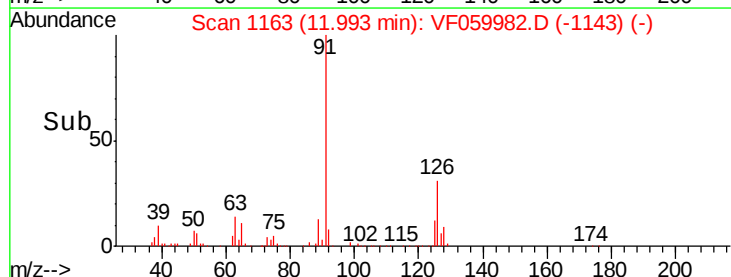
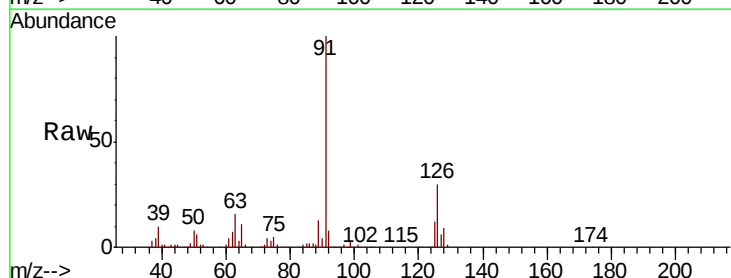
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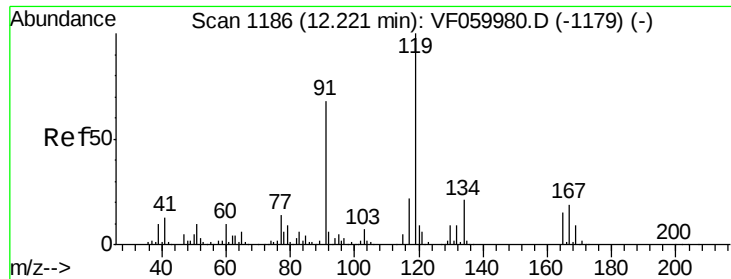
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#82
4-Chlorotoluene
Concen: 94.07 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.1	42.4





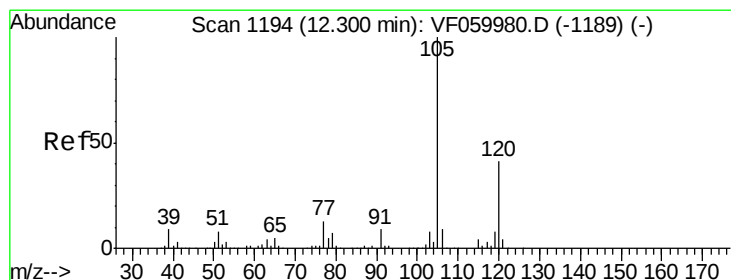
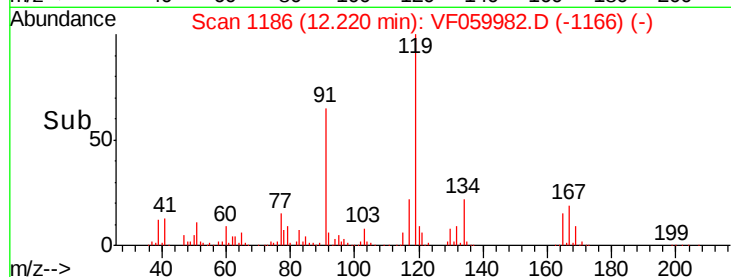
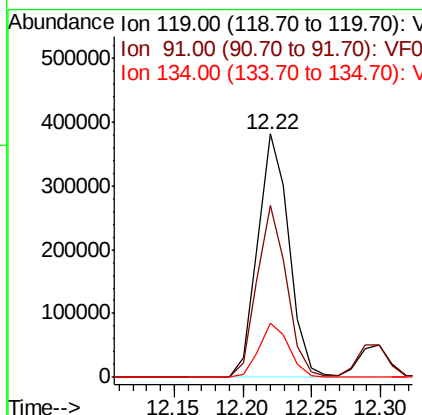
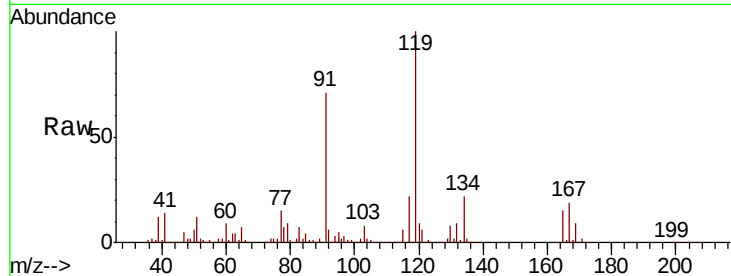
#83
 tert-Butylbenzene
 Concen: 90.18 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.8	34.1	102.2
134	22.1	10.5	31.6

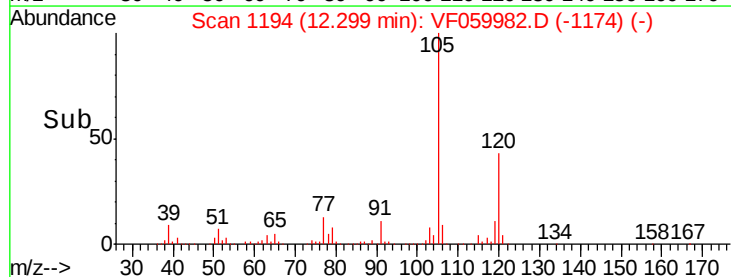
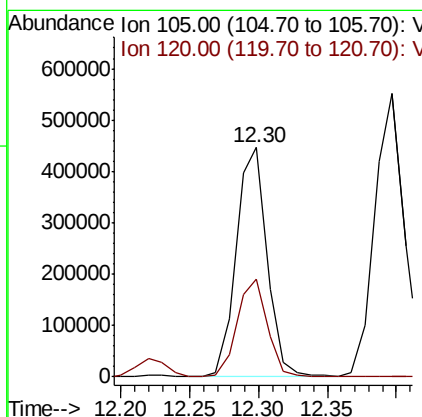
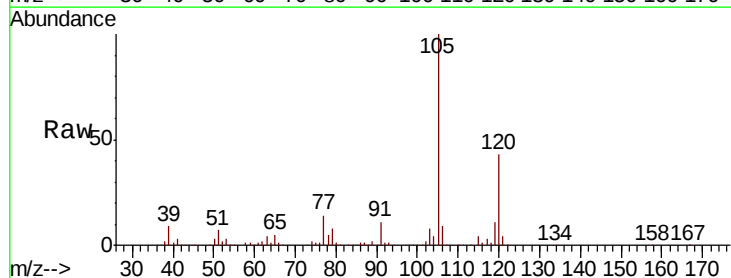
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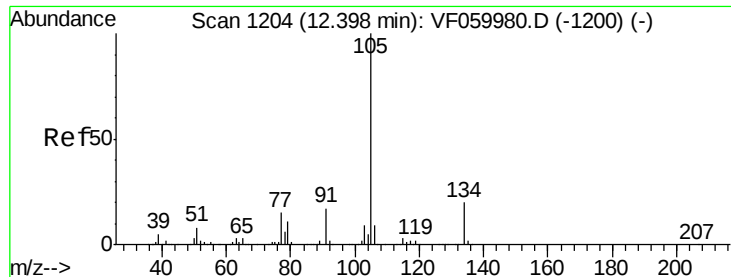
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#84
 1,2,4-Trimethylbenzene
 Concen: 97.25 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	20.9	62.7





#85

sec-Butylbenzene

Concen: 94.07 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 828093

Ion Ratio Lower Upper

105 100

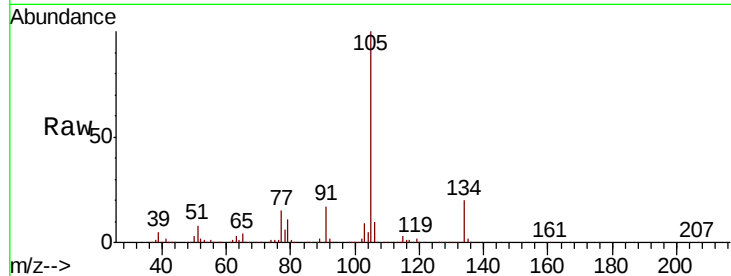
134 20.0 9.8 29.5

Manual Integrations

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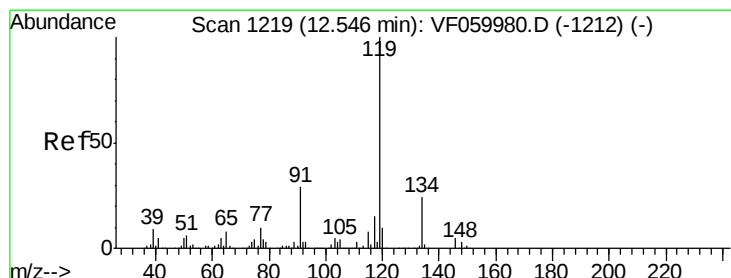
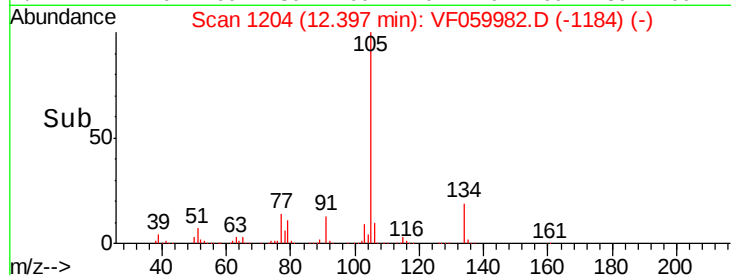
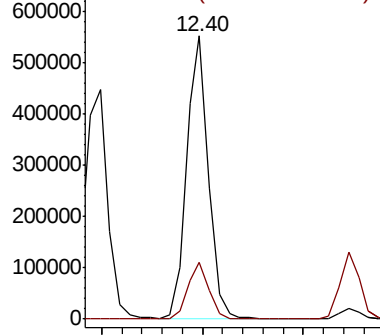
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 95.22 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

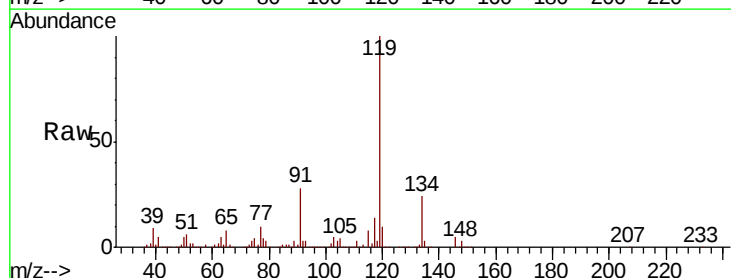
Tgt Ion:119 Resp: 740998

Ion Ratio Lower Upper

119 100

134 23.7 12.1 36.3

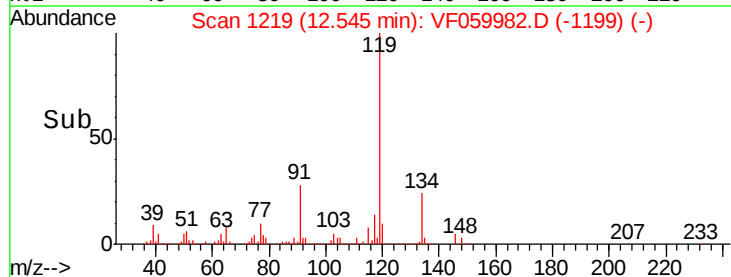
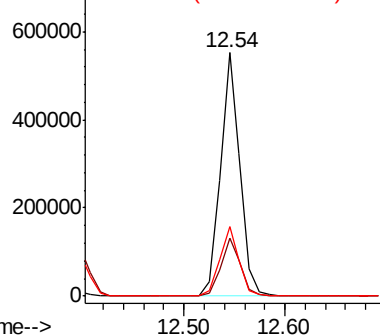
91 28.4 14.4 43.4

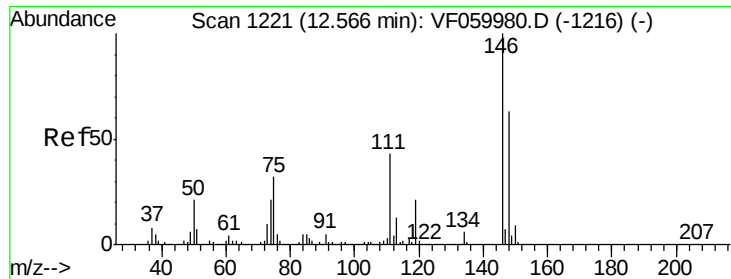


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





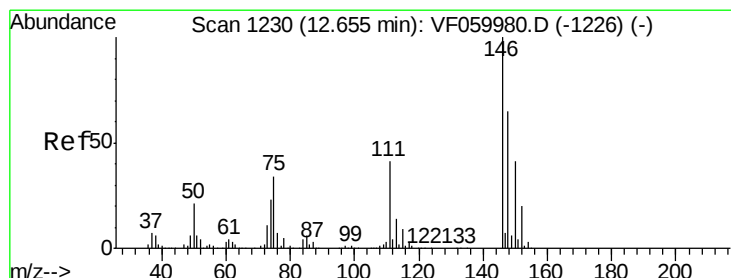
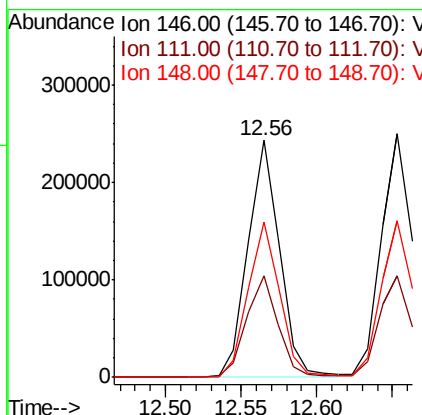
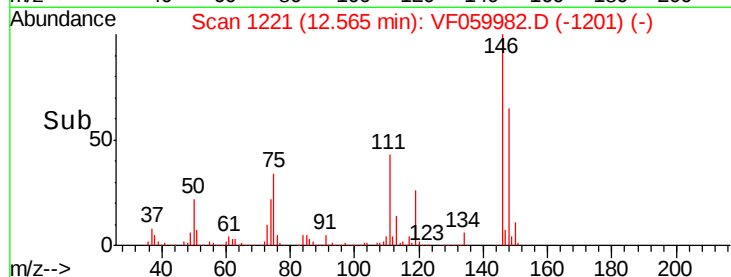
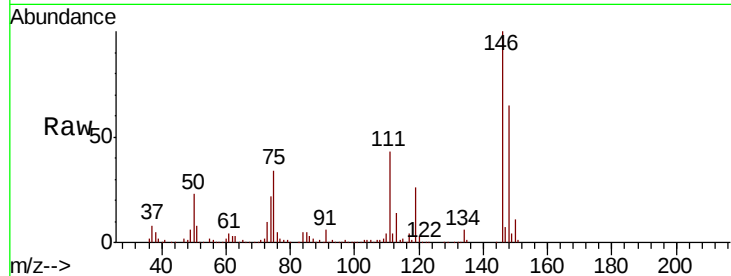
#87
 1,3-Dichlorobenzene
 Concen: 89.16 ug/l
 RT: 12.56 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	357570		
111	42.9	21.3	63.7	
148	65.3	31.6	95.0	

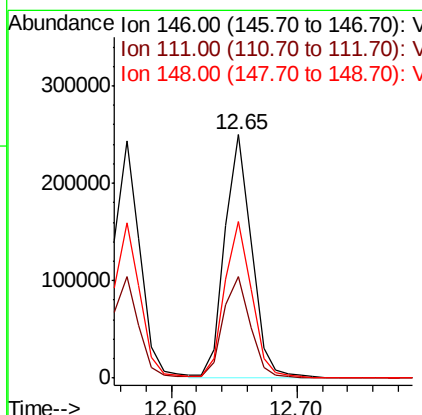
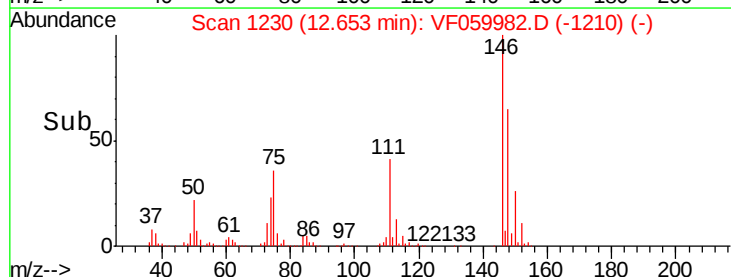
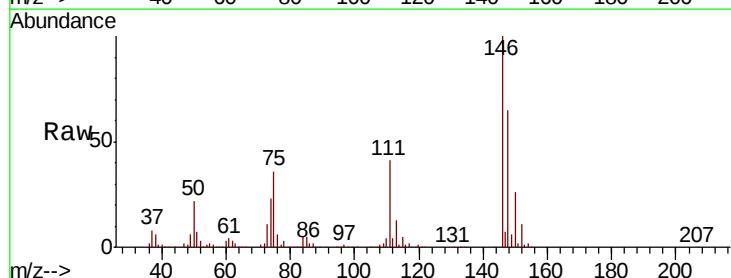
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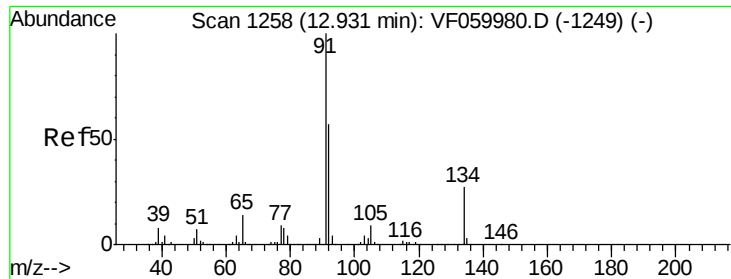
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#88
 1,4-Dichlorobenzene
 Concen: 93.92 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	368807		
111	41.5	20.3	61.0	
148	64.5	32.6	97.8	





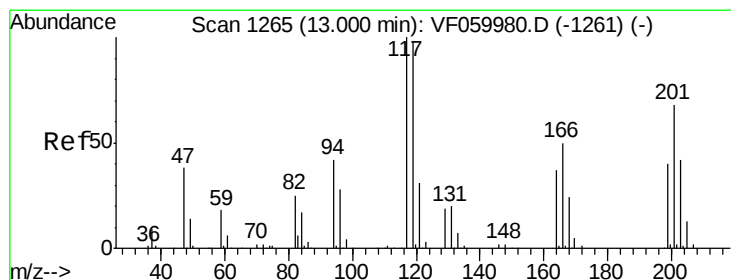
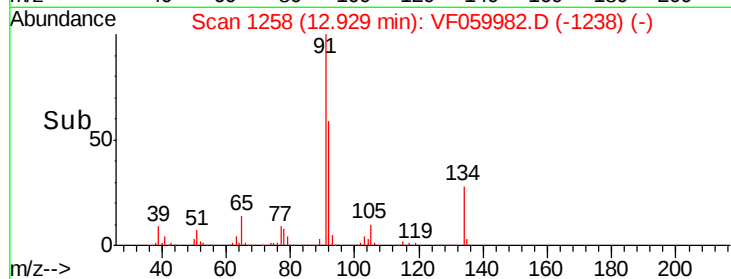
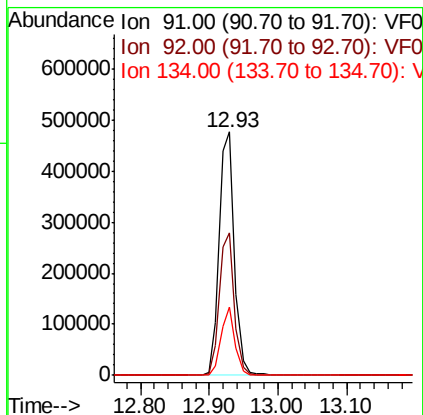
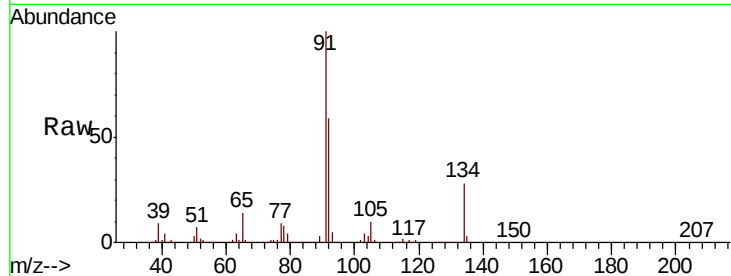
#89
n-Butylbenzene
Concen: 96.15 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.6	28.7	86.3
134	28.1	13.3	39.9

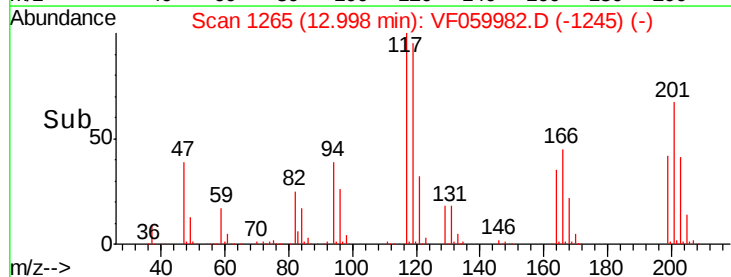
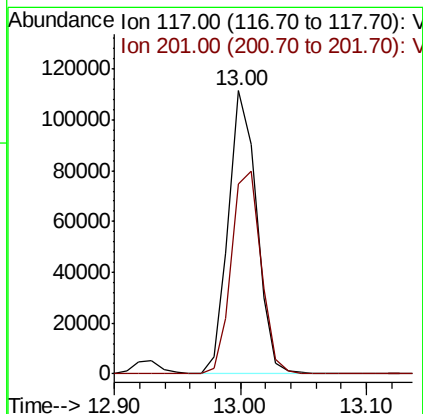
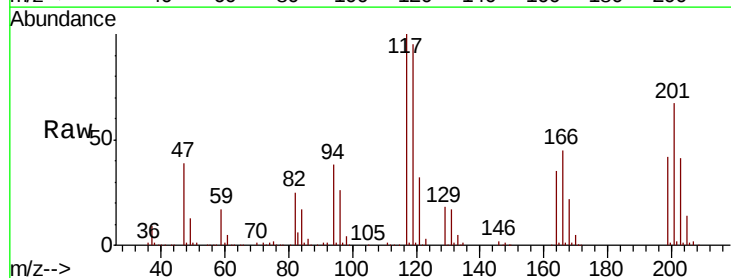
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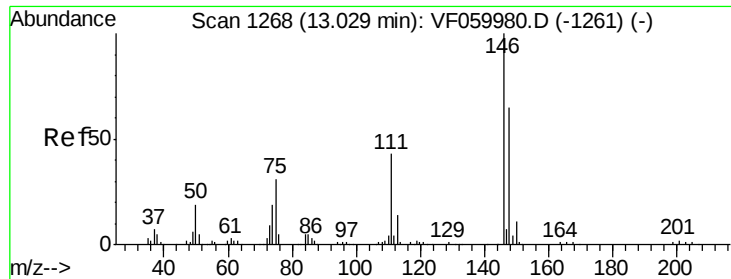
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#90
Hexachloroethane
Concen: 98.95 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.2	34.5	103.5





#91

1,2-Dichlorobenzene

Concen: 91.66 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Instrument :

MSVOA_F

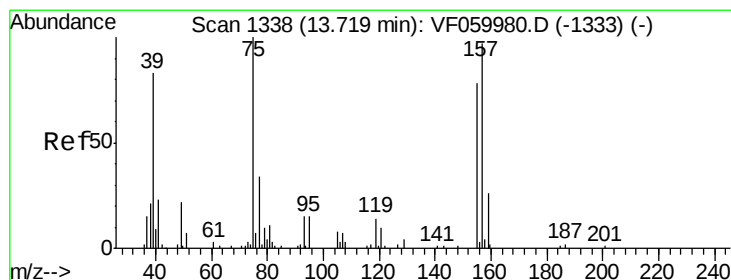
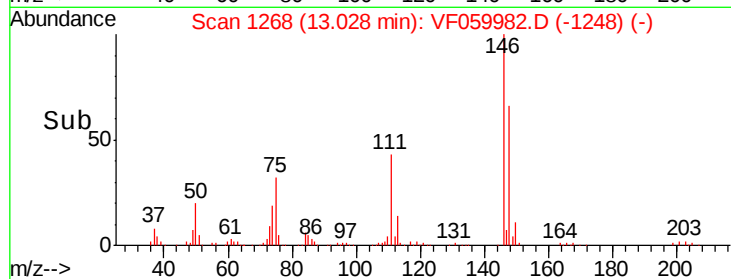
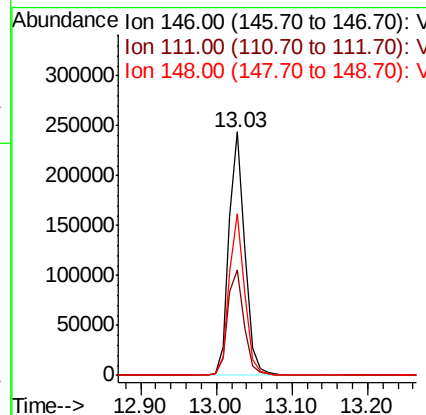
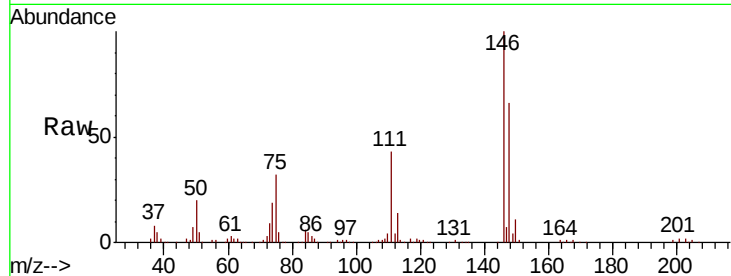
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	353718
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.4	64.3
148	66.2	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 101.34 ug/l

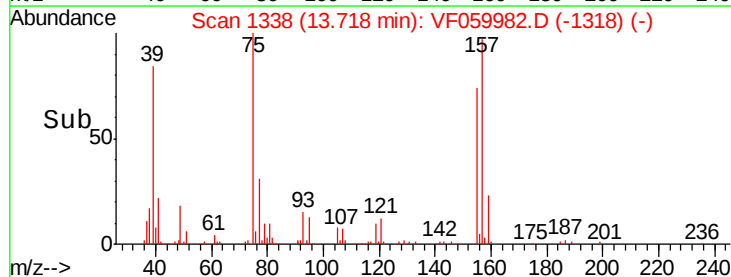
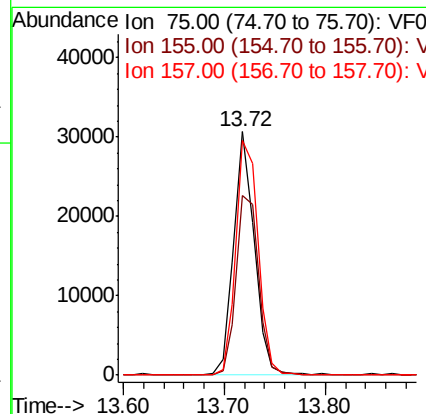
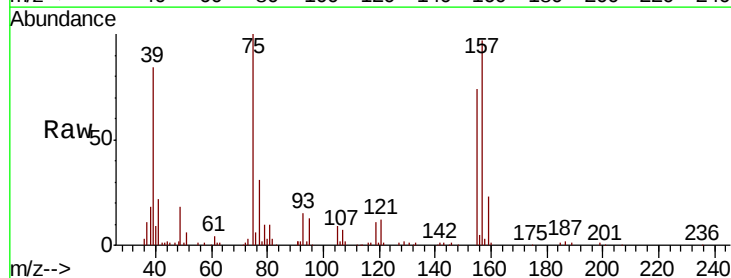
RT: 13.72 min Scan# 1338

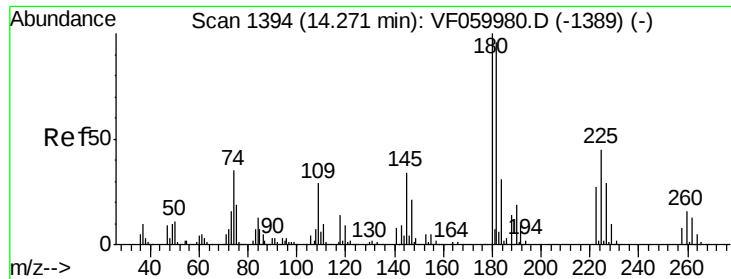
Delta R.T. -0.00 min

Lab File: VF059982.D

Acq: 17 Aug 2018 19:27

Tgt Ion:	75	Resp:	43814
Ion Ratio	Lower	Upper	
75	100		
155	73.9	38.9	116.7
157	96.6	50.8	152.5





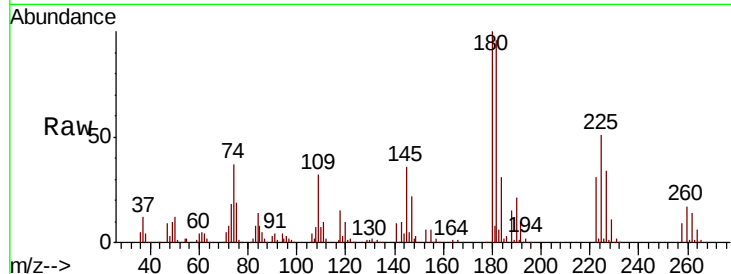
#93
 1,2,4-Trichlorobenzene
 Concen: 94.96 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297309		
182	96.0	47.9	143.6	
145	36.4	17.2	51.5	

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:48:36 AM

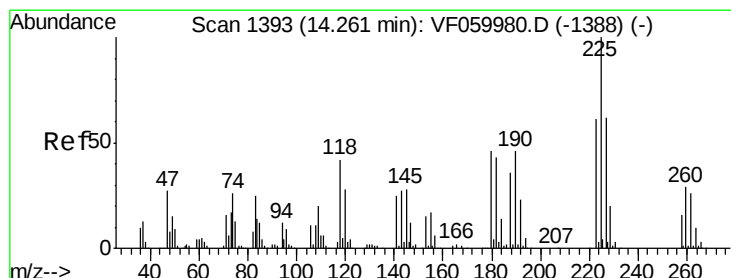
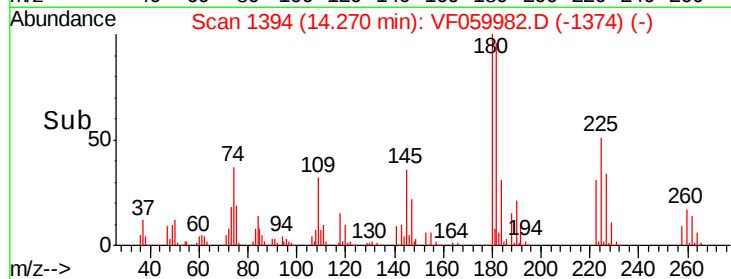
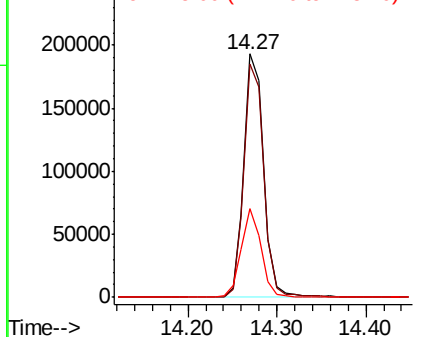


Abundance

Ion 180.00 (179.70 to 180.70): V

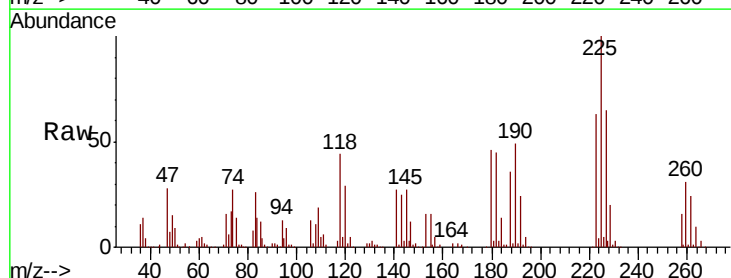
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 95.62 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059982.D
 Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	197686		
223	62.6	29.1	87.4	
227	64.9	29.8	89.5	

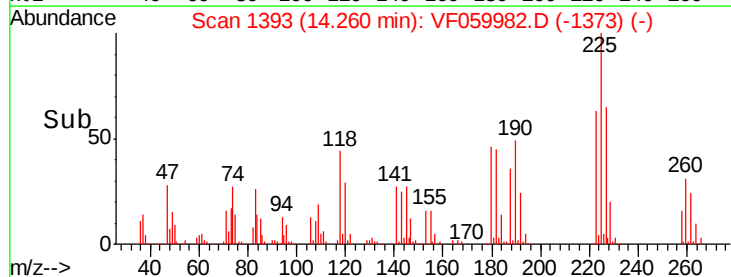
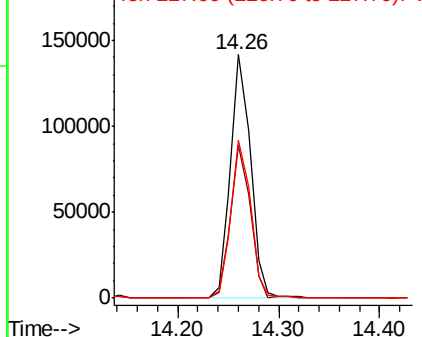


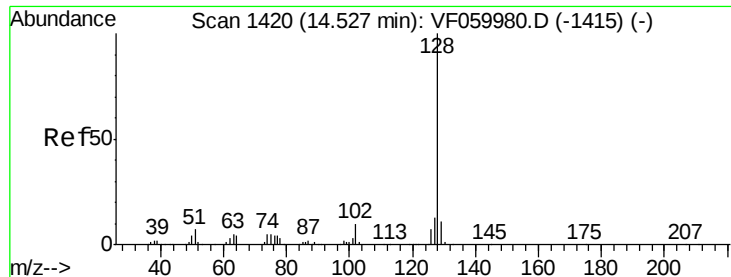
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





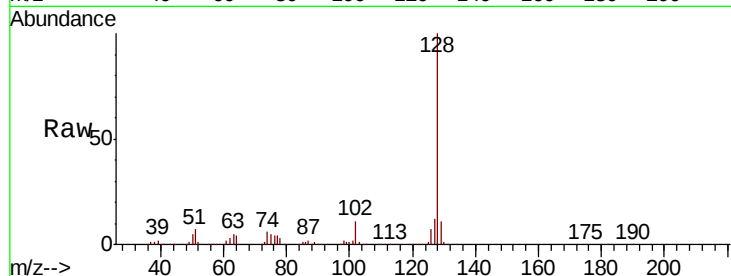
#95
Naphthalene
Concen: 115.03 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.2
129	10.9	9.0	13.4

Manual Integrations
APPROVED

apatel
8/20/2018 11:48:36 AM

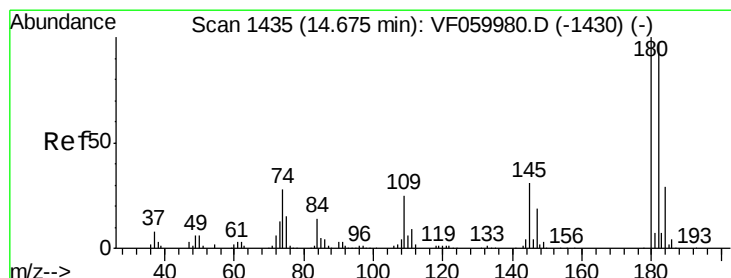
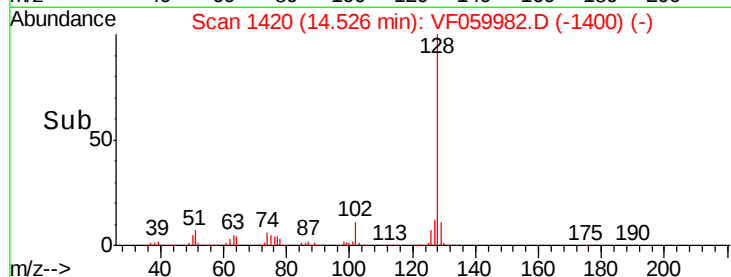
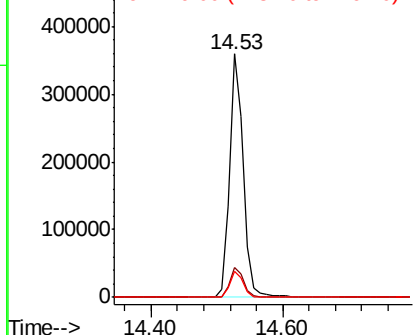


Abundance

Ion 128.00 (127.70 to 128.70): V

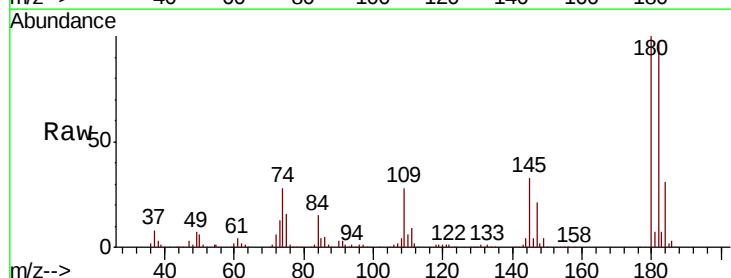
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 99.23 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF059982.D
Acq: 17 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.5	145.5
145	33.2	15.7	47.1



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

