

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059956.D
 Acq On : 14 Aug 2018 20:32
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µl/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

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 8/16/2018 12:15:09 PM

Quant Time: Aug 15 09:11:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	122676	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	172140	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	173940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	117001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	156077	70.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.88%	
35) Dibromofluoromethane	4.32	113	123171	72.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	144.92%	
50) Toluene-d8	7.73	98	277621	76.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.08%	
62) 4-Bromofluorobenzene	11.53	95	156073	75.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	125581	61.39	ug/l	87
3) Chloromethane	1.10	50	56019	59.10	ug/l	92
4) Vinyl Chloride	1.17	62	64654	65.74	ug/l	98
5) Bromomethane	1.34	94	57437	62.32	ug/l	98
6) Chloroethane	1.43	64	43200	70.10	ug/l	95
7) Trichlorofluoromethane	1.54	101	184668	67.96	ug/l	100
8) Diethyl Ether	1.71	74	26246	61.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	90812	61.38	ug/l	95
10) Methyl Iodide	1.96	142	144709	63.91	ug/l	96
11) Tert butyl alcohol	2.69	59	30058	332.33	ug/l	93
12) 1,1-Dichloroethene	1.87	96	65640	60.56	ug/l	91
13) Acrolein	2.10	56	20341	378.43	ug/l	89
14) Allyl chloride	2.20	41	109352	62.85	ug/l	97
15) Acrylonitrile	3.09	53	45603	288.66	ug/l	95
16) Acetone	2.35	43	137083	334.20	ug/l	# 92
17) Carbon Disulfide	1.89	76	169394	59.44	ug/l	96
18) Methyl Acetate	2.47	43	41093	60.88	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	203147	66.16	ug/l	100
20) Methylene Chloride	2.29	84	61358m	67.01	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	65039	60.70	ug/l	97
22) Diisopropyl ether	2.94	45	221104	63.68	ug/l	97
23) Vinyl Acetate	3.35	43	583394	345.14	ug/l	100
24) 1,1-Dichloroethane	3.02	63	154757	61.36	ug/l	97
25) 2-Butanone	4.53	43	146104	331.92	ug/l	95
26) 2,2-Dichloropropane	3.79	77	102698	68.56	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	76782	64.37	ug/l	98
28) Bromochloromethane	3.91	49	55944	61.88	ug/l	87
29) Tetrahydrofuran	4.27	42	53259	328.71	ug/l	99
30) Chloroform	4.05	83	218126	63.87	ug/l	96
31) Cyclohexane	3.89	56	81256	65.26	ug/l	90
32) 1,1,1-Trichloroethane	4.30	97	183268	67.00	ug/l	97
36) 1,1-Dichloropropene	4.48	75	135321	69.25	ug/l	99
37) Ethyl Acetate	4.31	43	57424	68.49	ug/l	81
38) Carbon Tetrachloride	4.19	117	211084	72.42	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	100033	68.63	ug/l	98
40) Benzene	4.83	78	218243	65.37	ug/l	98
41) Methacrylonitrile	4.94	41	29594	67.44	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	176730	64.85	ug/l	97
43) Isopropyl Acetate	7.13	43	64842	73.43	ug/l	99
44) Trichloroethene	5.69	130	85018	65.40	ug/l	95
45) 1,2-Dichloropropane	6.42	63	61748	68.77	ug/l	89
46) Dibromomethane	6.27	93	58899	64.70	ug/l	92
47) Bromodichloromethane	6.57	83	166364	66.71	ug/l	95
48) Methyl methacrylate	6.89	41	53396	78.35	ug/l	89
49) 1,4-Dioxane	6.88	88	7814	1508.29	ug/l	88
51) 4-Methyl-2-Pentanone	8.42	43	308439	343.93	ug/l	98
52) Toluene	7.80	92	163319	65.80	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	138122	71.53	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	141604	71.76	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	62133	69.60	ug/l	99
56) Ethyl methacrylate	8.78	69	68886	68.38	ug/l	95
57) 1,3-Dichloropropane	9.02	76	105468	68.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	40091	339.51	ug/l	100
59) 2-Hexanone	9.64	43	227153	356.43	ug/l	96
60) Dibromochloromethane	8.88	129	116411	69.17	ug/l	98
61) 1,2-Dibromoethane	9.15	107	74193	68.23	ug/l	98
64) Tetrachloroethene	8.32	164	91095	62.68	ug/l	94
65) Chlorobenzene	9.96	112	234054	67.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	114745	66.66	ug/l	97
67) Ethyl Benzene	10.06	91	407813	67.63	ug/l	94
68) m/p-Xylenes	10.28	106	273497	131.13	ug/l	96
69) o-Xylene	10.85	106	154424	70.57	ug/l	97
70) Styrene	10.91	104	220673	66.81	ug/l	95
71) Bromoform	10.90	173	70845	66.73	ug/l	99
73) Isopropylbenzene	11.24	105	510325	70.48	ug/l	98
74) N-amyl acetate	11.48	43	119031	65.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	80488	59.65	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	72317	62.07	ug/l	95
77) Bromobenzene	11.60	156	129656	65.67	ug/l	83
78) n-propylbenzene	11.70	91	567803	66.28	ug/l	98
79) 2-Chlorotoluene	11.83	91	351876	65.26	ug/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	456336	67.91	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.97	75	29977m	64.74	ug/l	
82) 4-Chlorotoluene	12.00	91	382385	64.53	ug/l	97
83) tert-Butylbenzene	12.23	119	453953	68.97	ug/l	95
84) 1,2,4-Trimethylbenzene	12.30	105	464991	66.76	ug/l	98
85) sec-Butylbenzene	12.40	105	582469	66.73	ug/l	95
86) p-Isopropyltoluene	12.55	119	510196	69.77	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	235165	62.91	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	248886	67.63	ug/l	98
89) n-Butylbenzene	12.93	91	495087	70.18	ug/l	99
90) Hexachloroethane	13.00	117	129291	64.85	ug/l	75
91) 1,2-Dichlorobenzene	13.03	146	229756	64.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	22563	66.25	ug/l	88

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ClientSampleId :
VSTDICC075

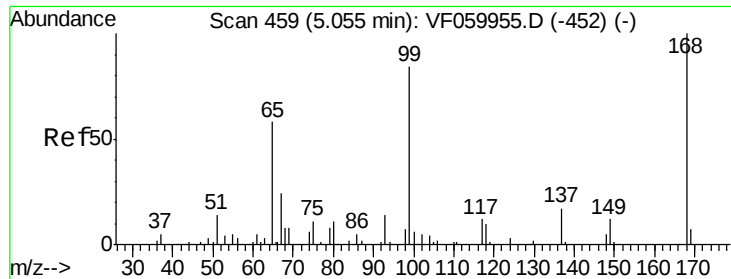
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	192186	69.69	µg/l	94
94) Hexachlorobutadiene	14.27	225	135054	69.19	µg/l	97
95) Naphthalene	14.53	128	321948	68.23	µg/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	185428	68.74	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 122676

Ion Ratio Lower Upper

168 100

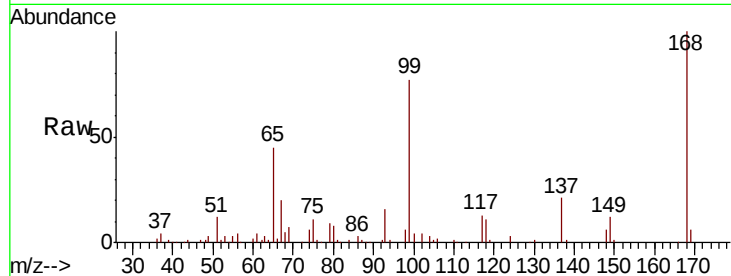
99 76.9 67.4 101.0

Manual Integrations

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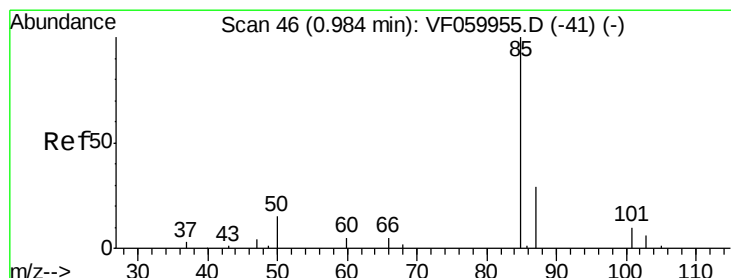
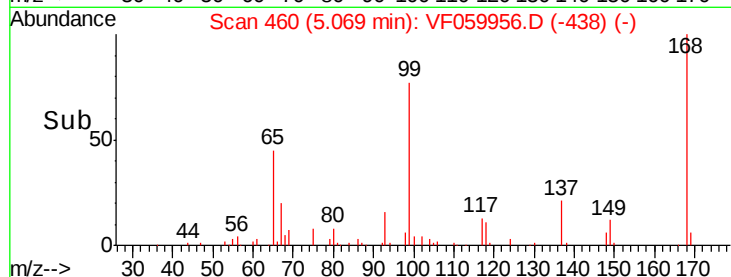
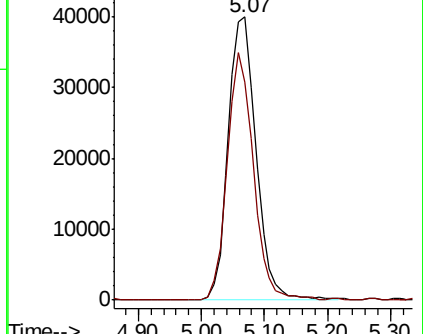
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 61.39 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059956.D

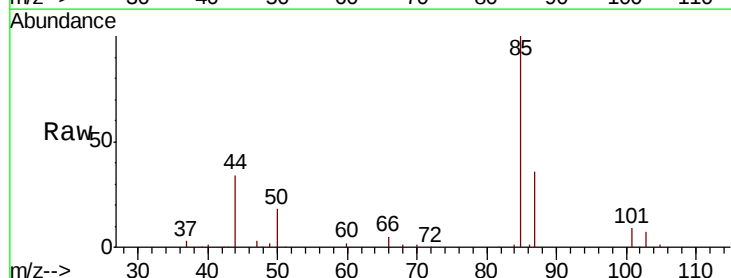
Acq: 14 Aug 2018 20:32

Tgt Ion: 85 Resp: 125581

Ion Ratio Lower Upper

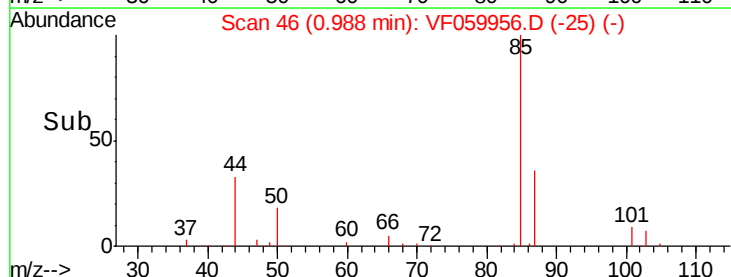
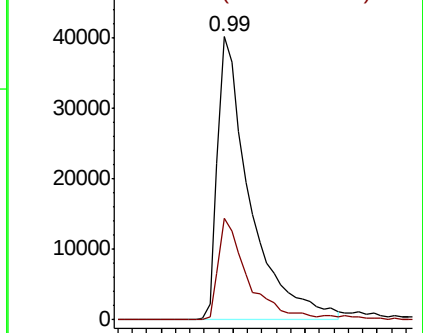
85 100

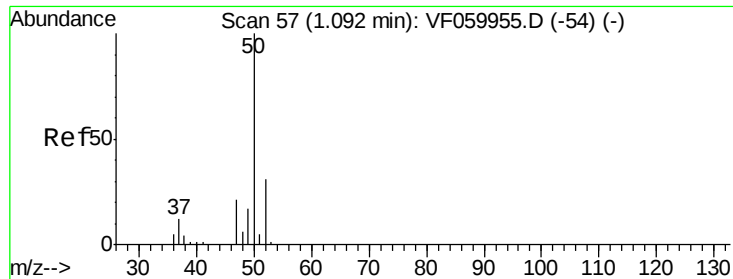
87 35.9 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 59.10 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 56019

Ion Ratio Lower Upper

50 100

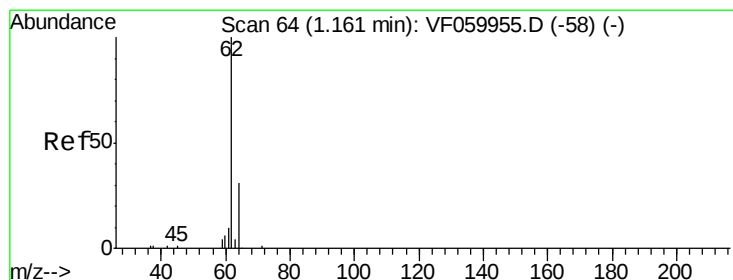
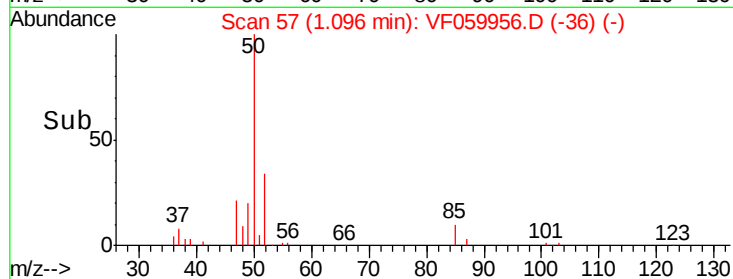
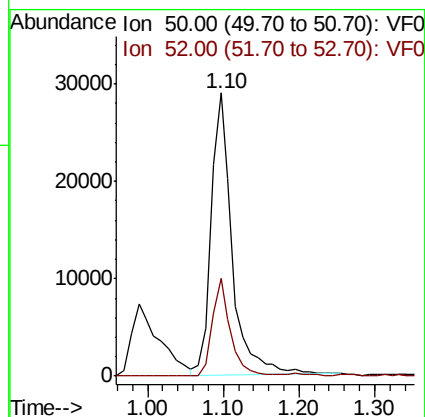
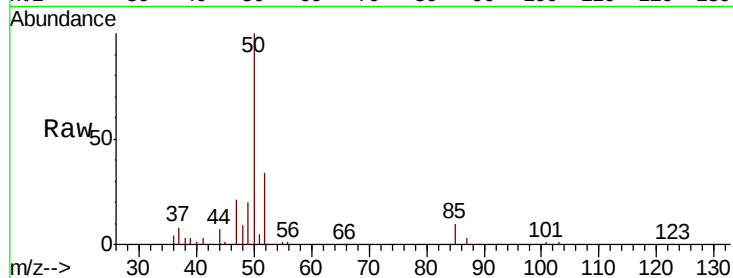
52 34.4 24.2 36.2

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#4

Vinyl Chloride

Concen: 65.74 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059956.D

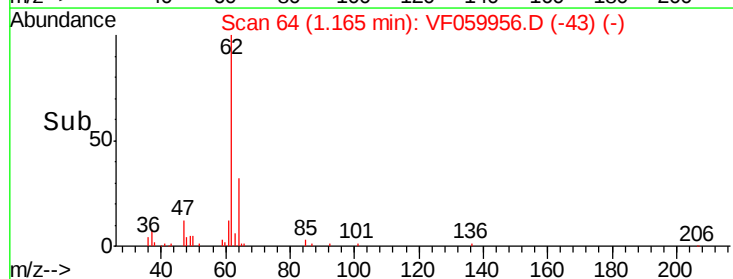
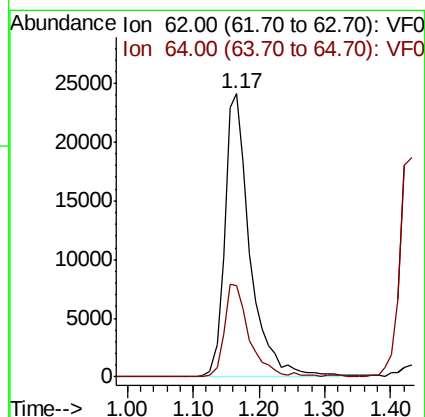
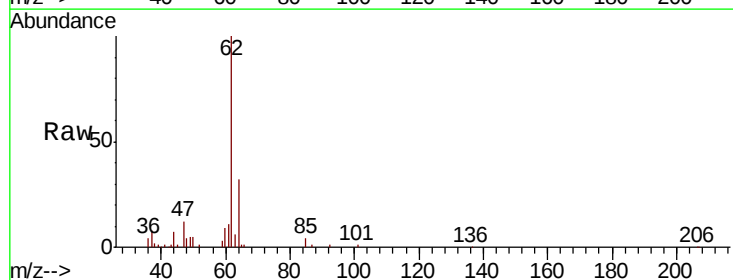
Acq: 14 Aug 2018 20:32

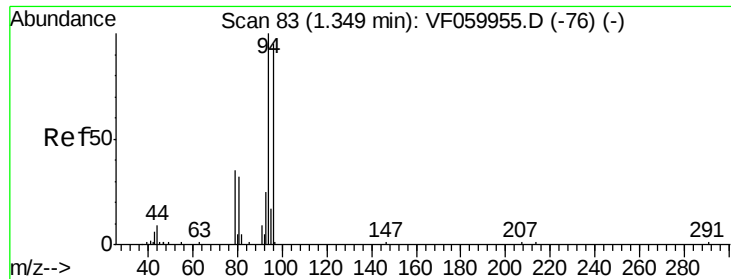
Tgt Ion: 62 Resp: 64654

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1





#5

Bromomethane

Concen: 62.32 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 57437

Ion Ratio Lower Upper

94 100

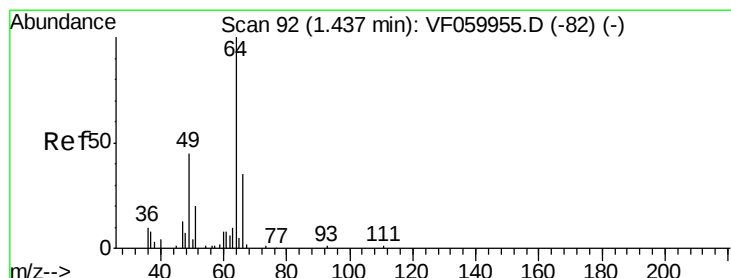
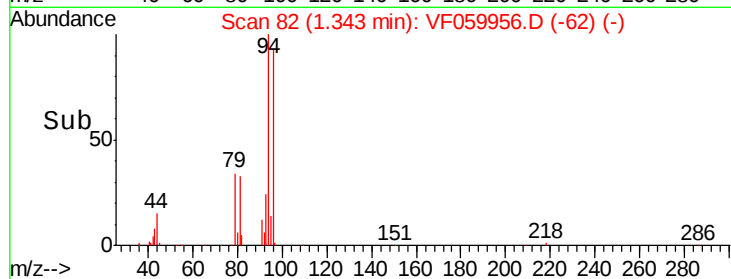
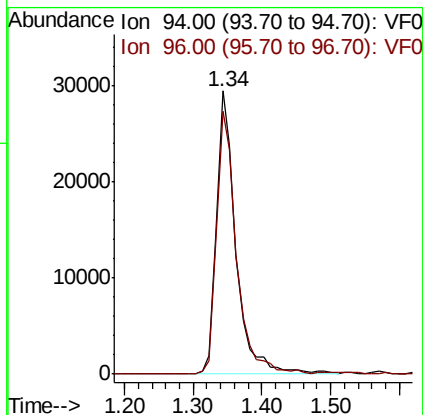
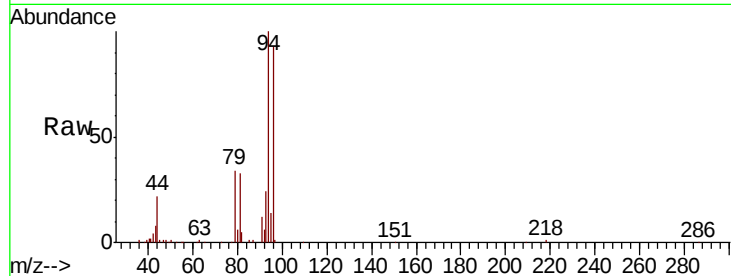
96 93.0 76.3 114.5

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#6

Chloroethane

Concen: 70.10 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059956.D

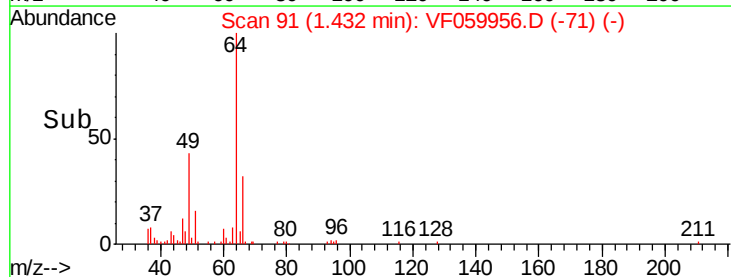
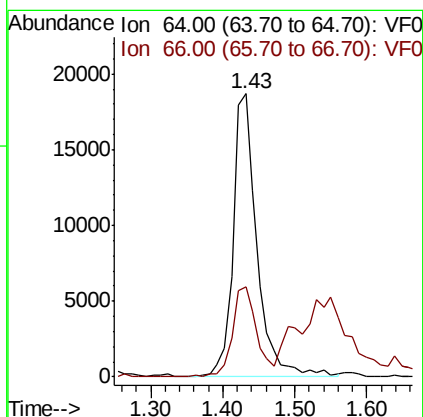
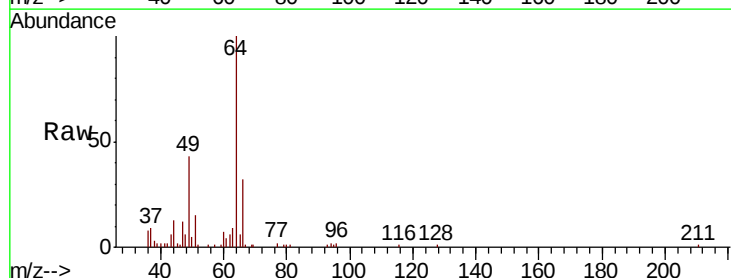
Acq: 14 Aug 2018 20:32

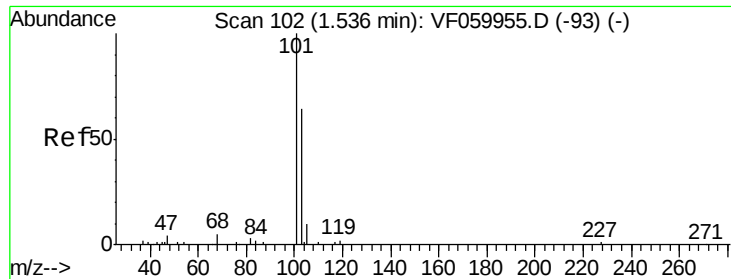
Tgt Ion: 64 Resp: 43200

Ion Ratio Lower Upper

64 100

66 32.0 28.2 42.2





#7

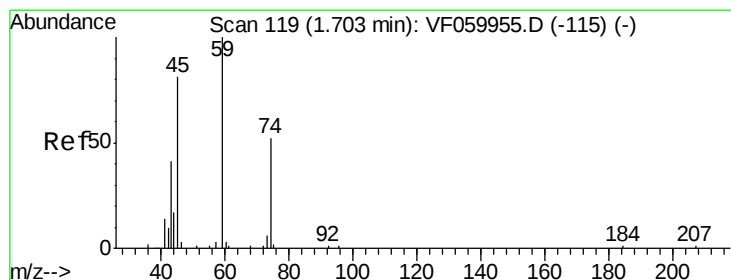
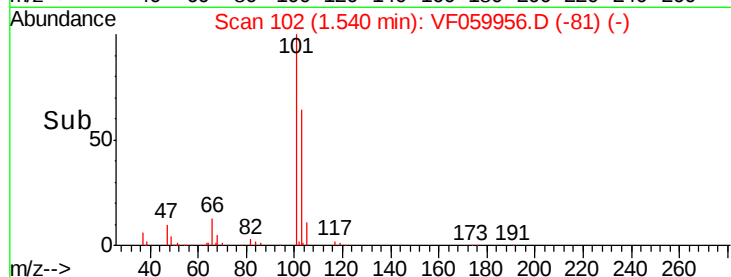
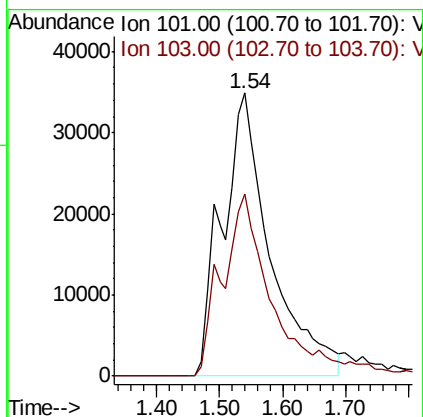
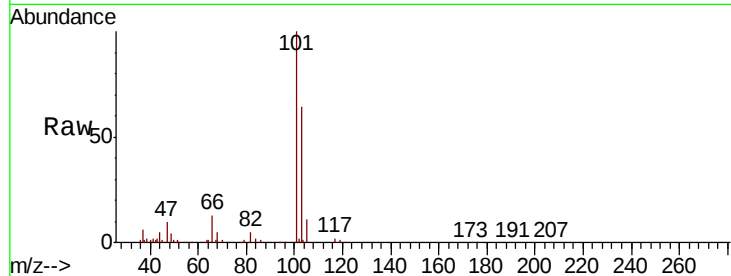
Trichlorofluoromethane
Concen: 67.96 ug/l
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

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MSVOA_F
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VSTDIC075

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

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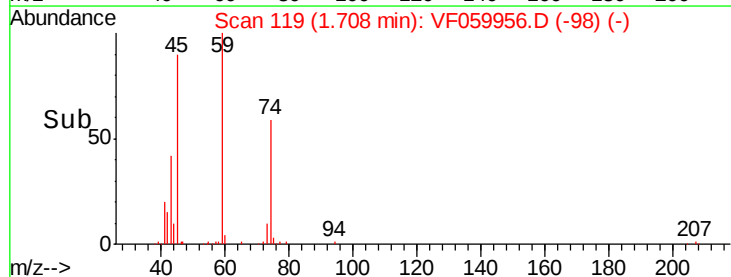
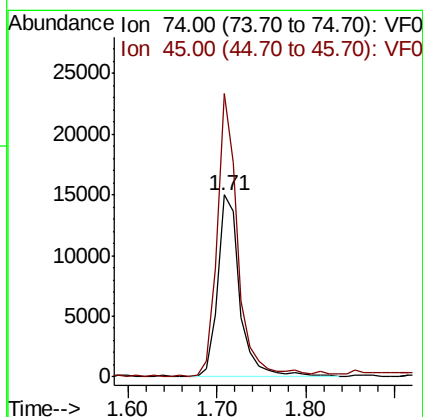
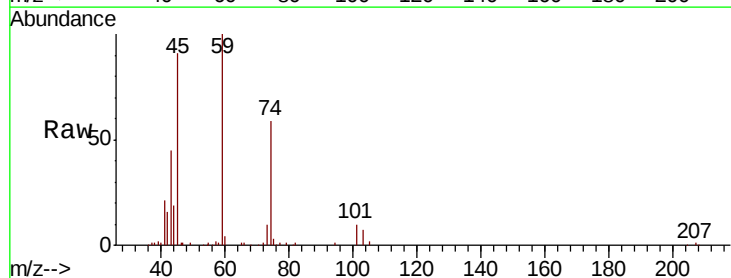
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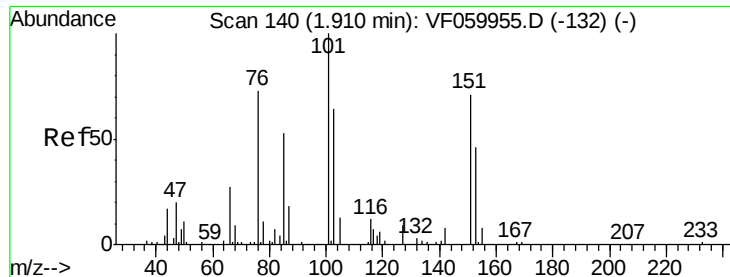


#8

Diethyl Ether
Concen: 61.82 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	155.4	77.5	232.6





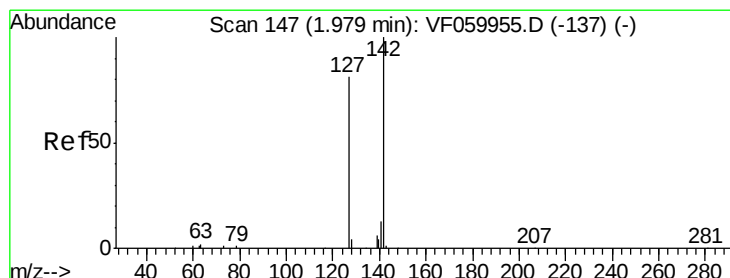
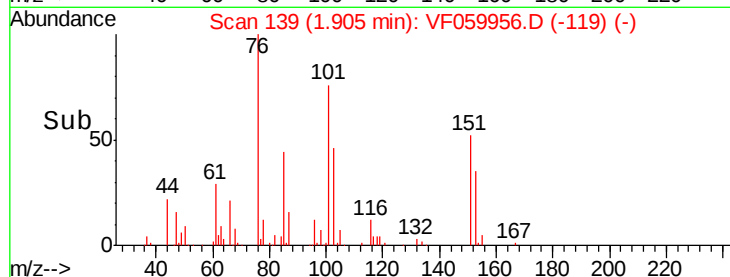
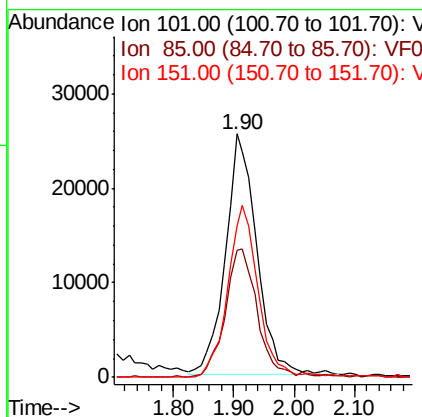
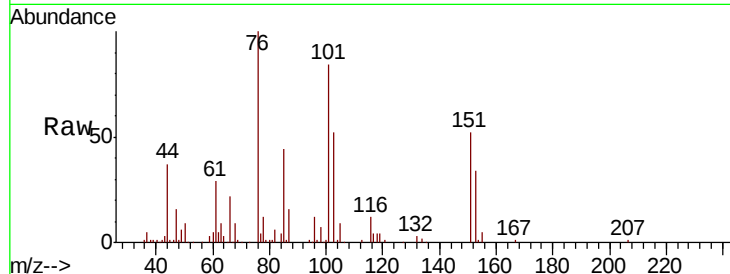
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 61.38 ug/l
 RT: 1.90 min Scan# 139
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
101	100	90812		
85	52.2	42.1	63.1	
151	62.3	55.4	83.0	

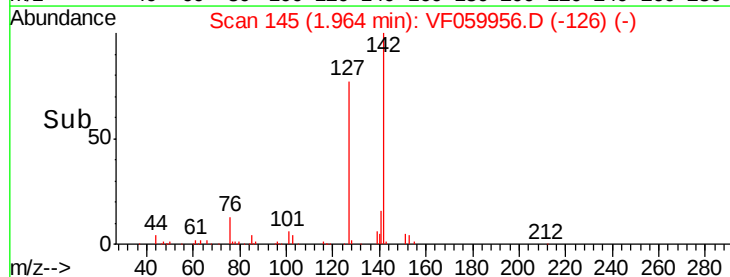
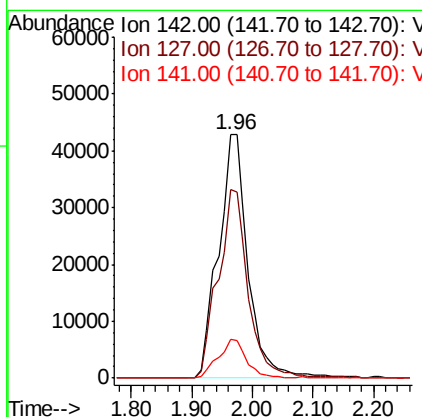
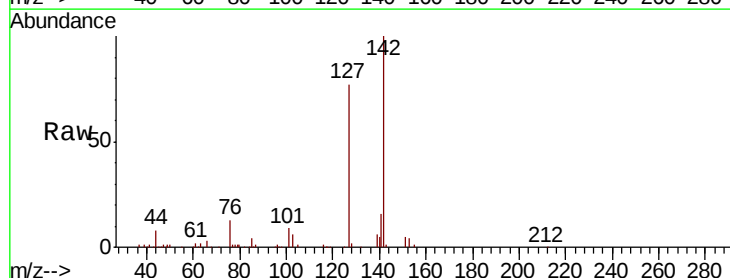
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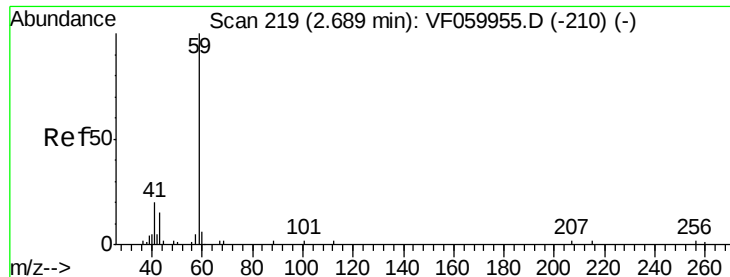
apatel
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#10
 Methyl Iodide
 Concen: 63.91 ug/l
 RT: 1.96 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	144709		
127	77.4	64.5	96.7	
141	15.9	10.8	16.2	





#11

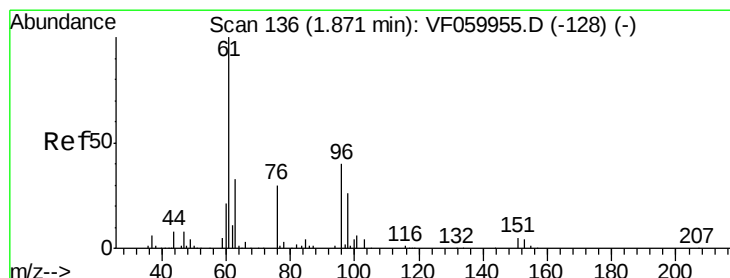
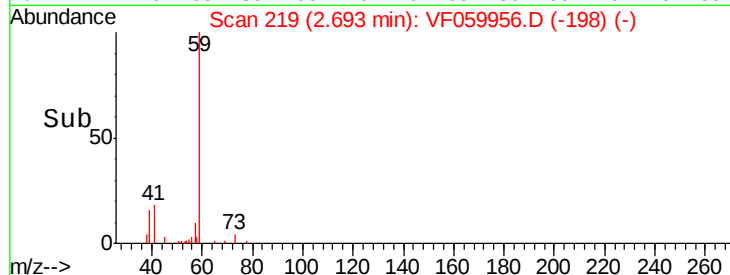
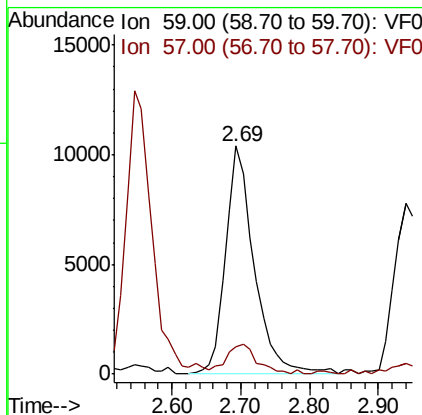
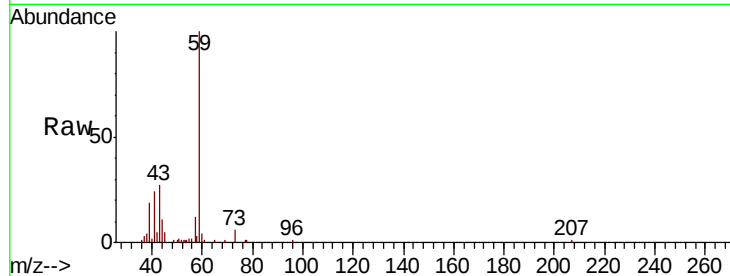
Tert butyl alcohol
 Concen: 332.33 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	12.0	18.0

Manual Integrations
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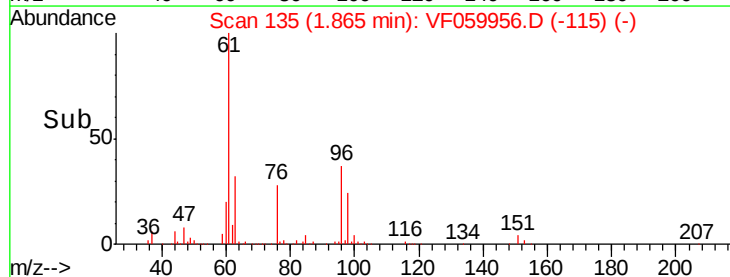
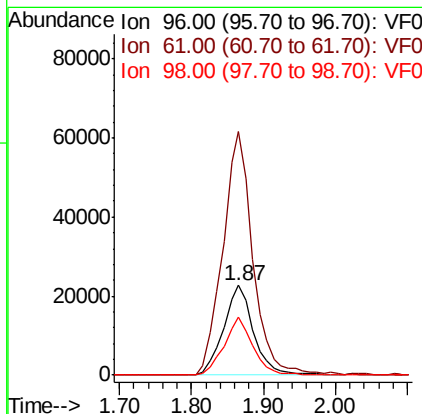
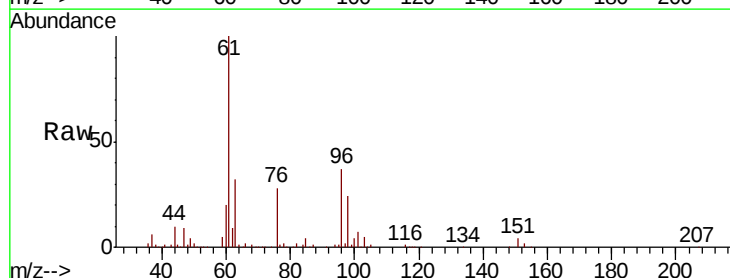
apatel
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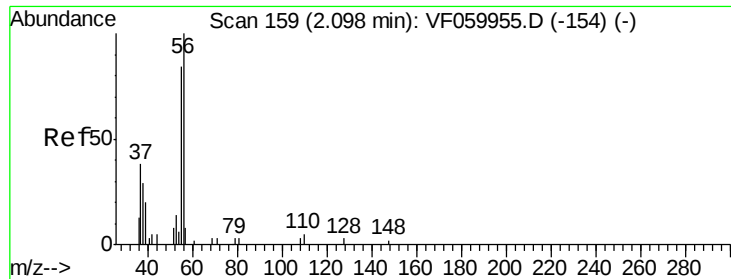


#12

1,1-Dichloroethene
 Concen: 60.56 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	271.8	201.0	301.4
98	65.3	51.9	77.9





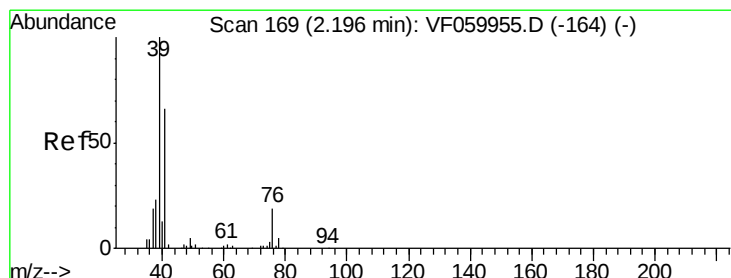
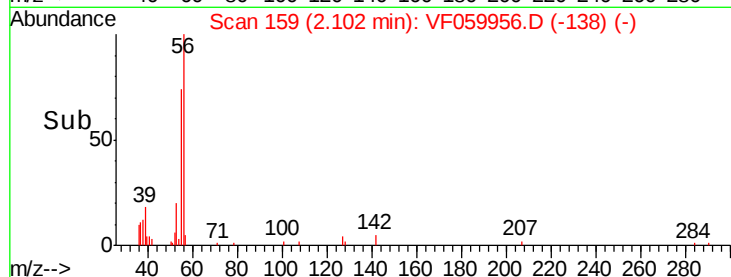
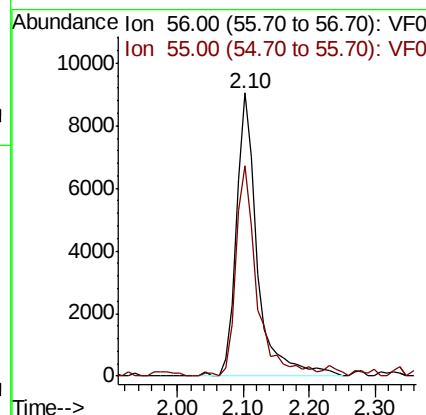
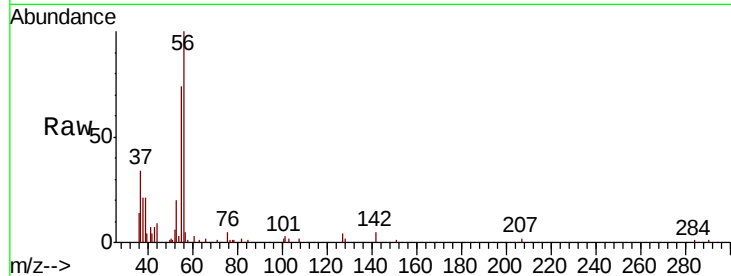
#13
Acrolein
Concen: 378.43 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	56	Resp	20341
Ion Ratio	100	Lower	Upper
55	74.4	67.4	101.2

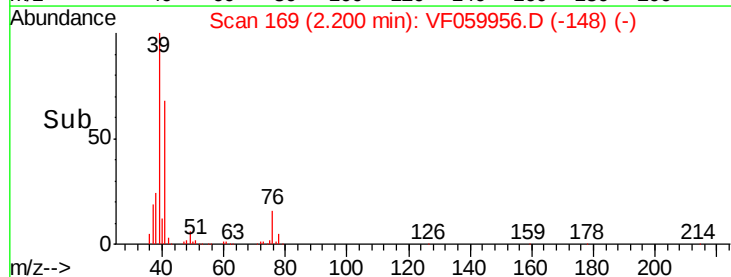
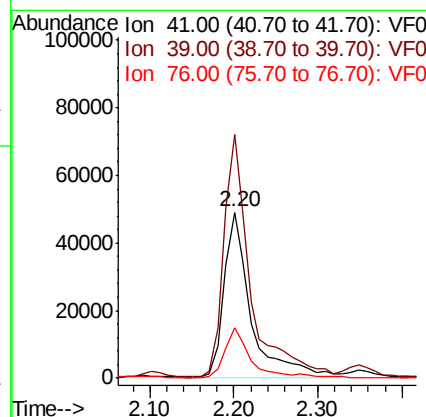
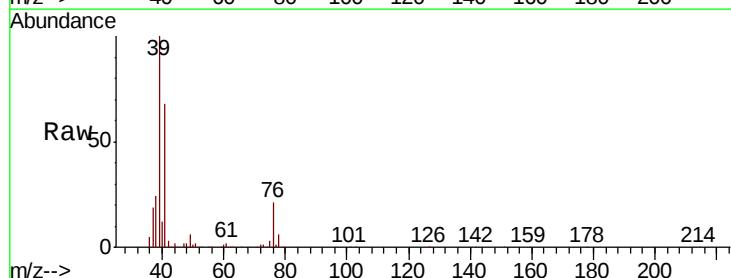
Manual Integrations
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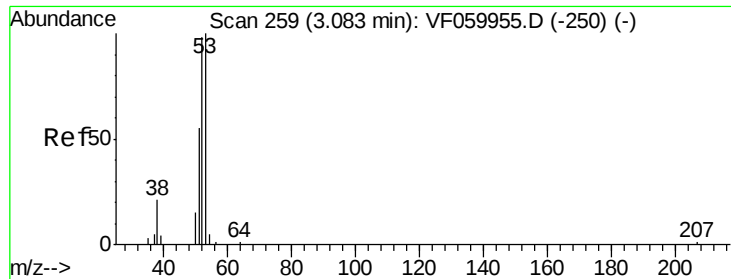
apatel
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#14
Allyl chloride
Concen: 62.85 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	41	Resp	109352
Ion Ratio	100	Lower	Upper
39	146.7	121.0	181.4
76	30.1	23.6	35.4





#15

Acrylonitrile

Concen: 288.66 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

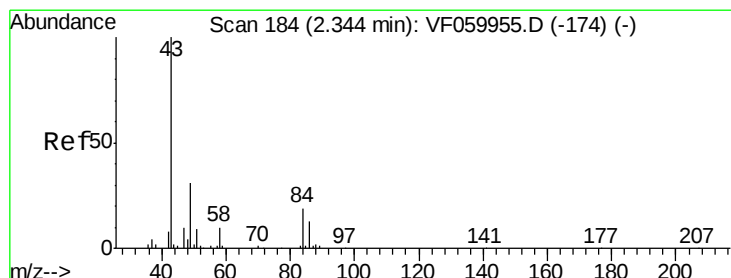
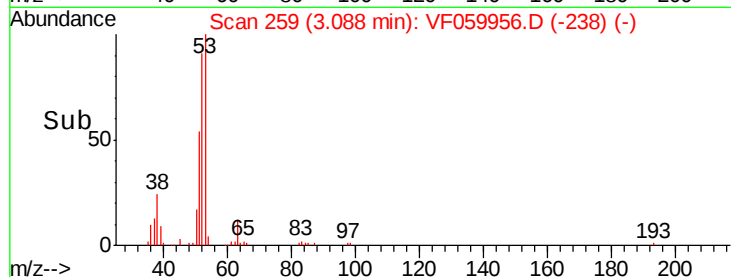
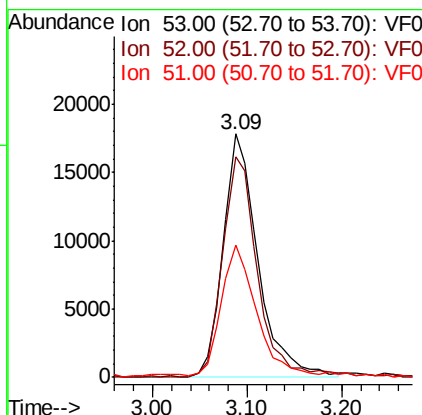
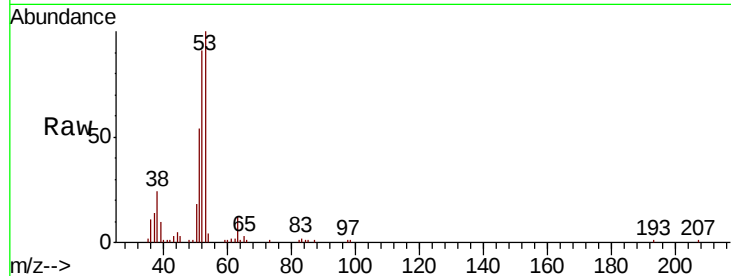
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	45603
Ion	Ratio	Lower	Upper
53	100		
52	90.8	78.1	117.1
51	54.3	44.2	66.4

Manual Integrations
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#16

Acetone

Concen: 334.20 ug/l

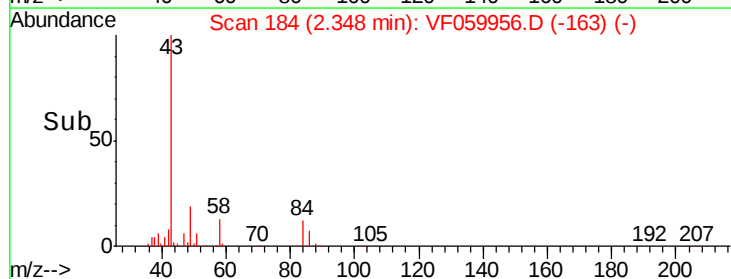
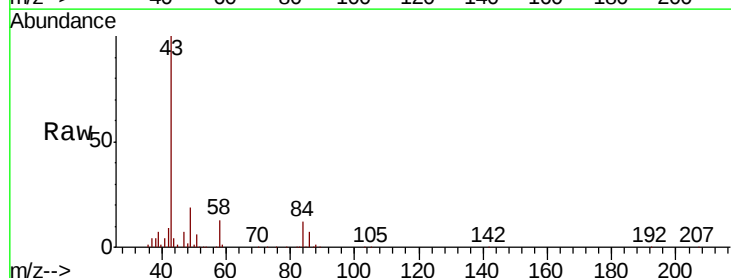
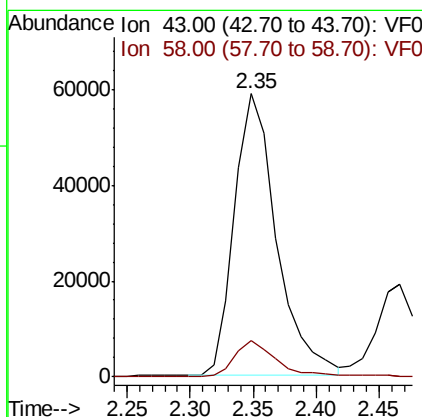
RT: 2.35 min Scan# 184

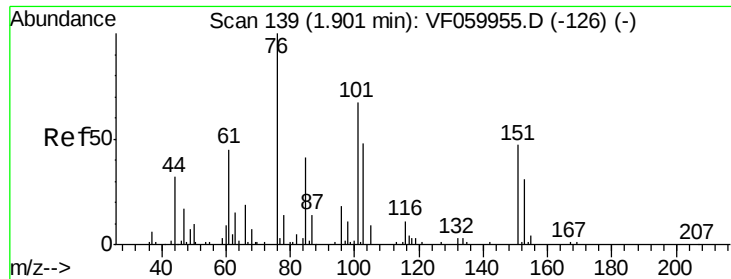
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	43	Resp:	137083
Ion	Ratio	Lower	Upper
43	100		
58	13.0	8.1	12.1#





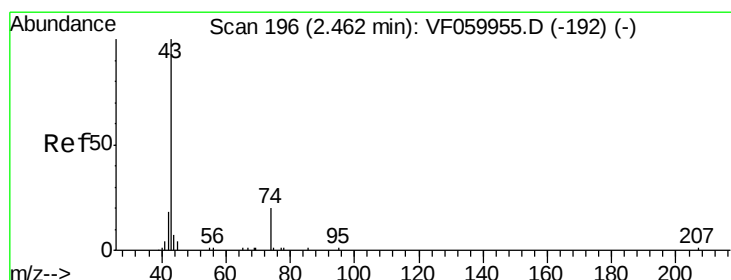
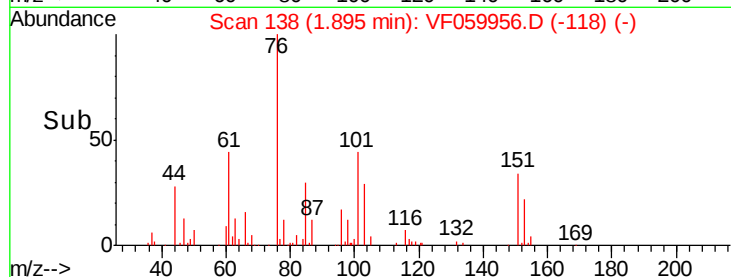
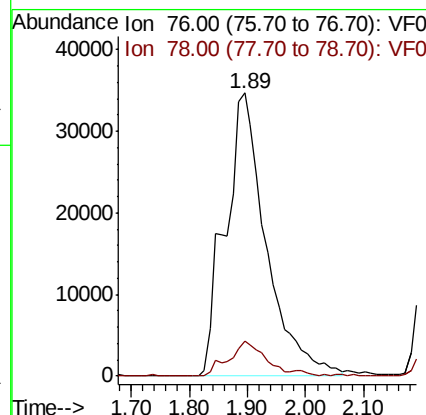
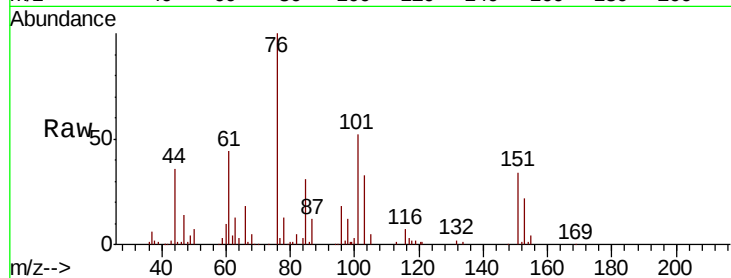
#17
Carbon Disulfide
Concen: 59.44 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 169394
Ion Ratio Lower Upper
76 100
78 12.5 11.4 17.0

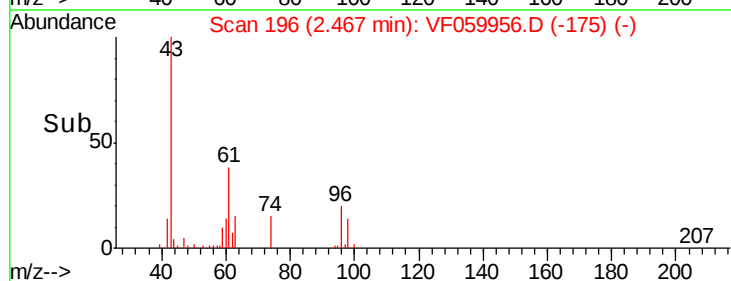
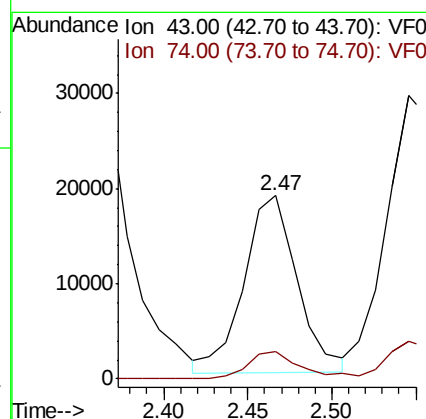
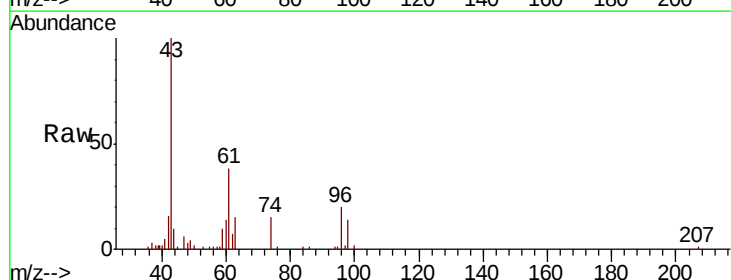
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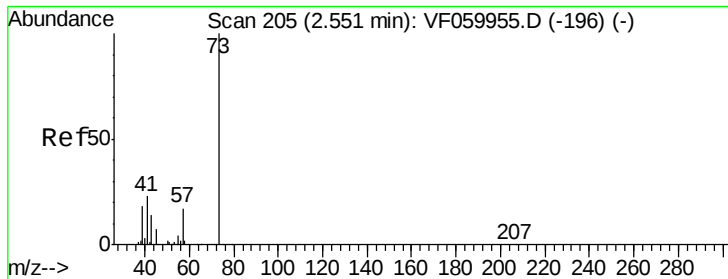
apatel
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#18
Methyl Acetate
Concen: 60.88 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 43 Resp: 41093
Ion Ratio Lower Upper
43 100
74 14.9 14.3 21.5





#19

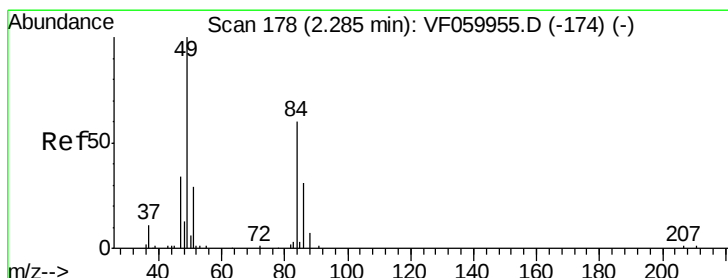
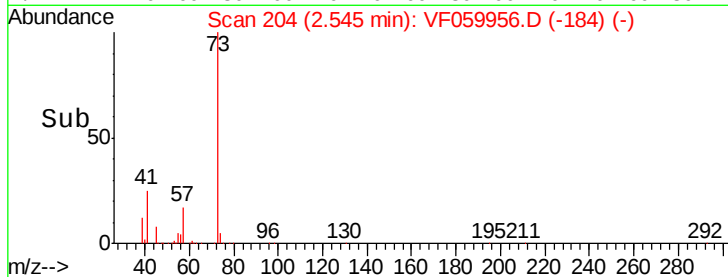
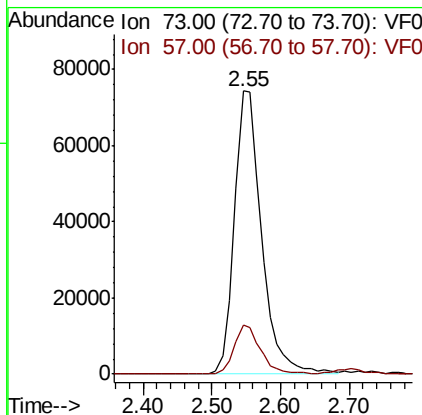
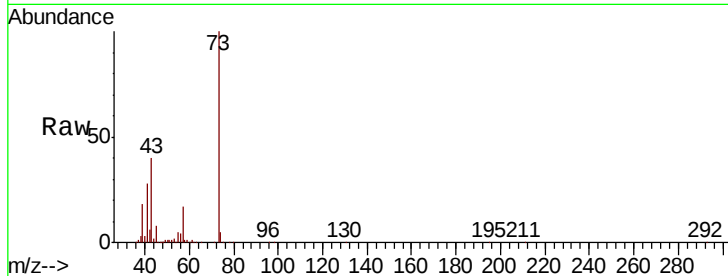
Methyl tert-butyl Ether
 Concen: 66.16 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.4	14.0	21.0

Manual Integrations
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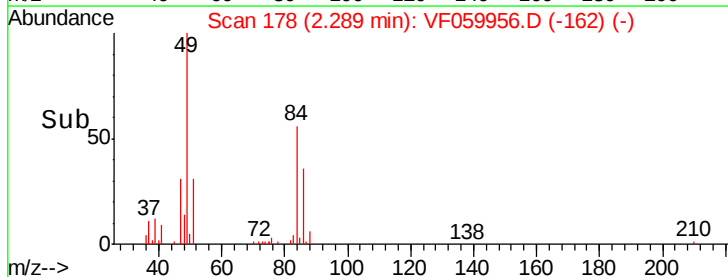
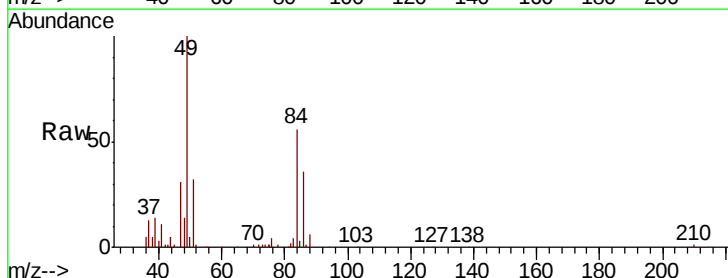
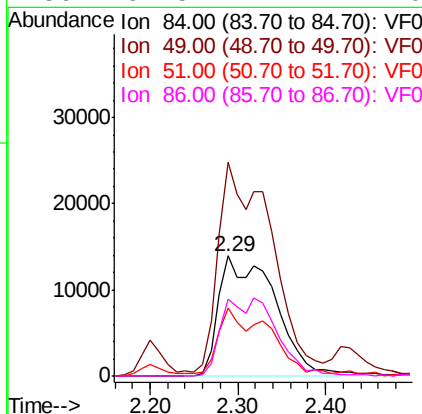
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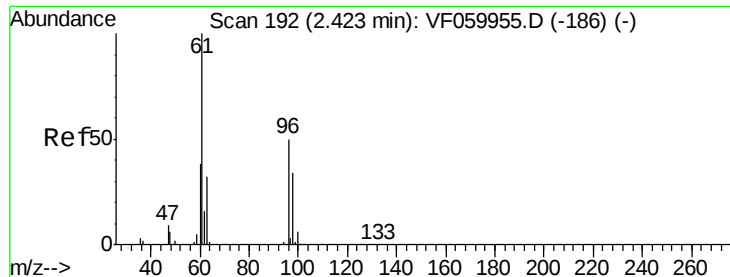


#20

Methylene Chloride
 Concen: 67.01 ug/l m
 RT: 2.29 min Scan# 178
 Delta R.T. -0.05 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	178.1	138.6	207.8
51	56.5	40.2	60.4
86	64.5	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 60.70 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

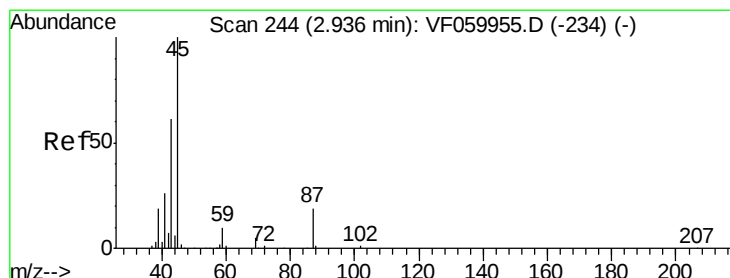
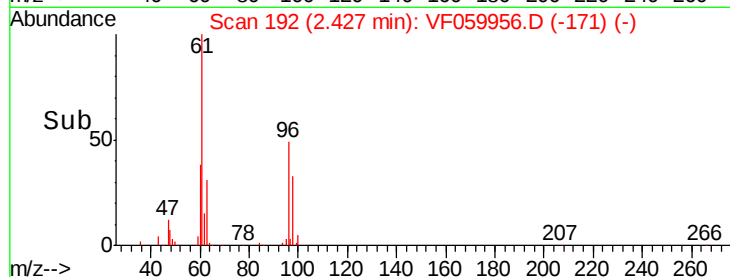
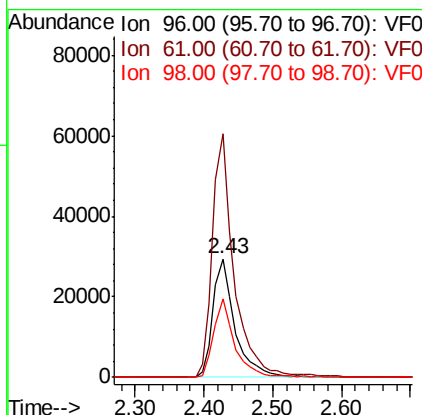
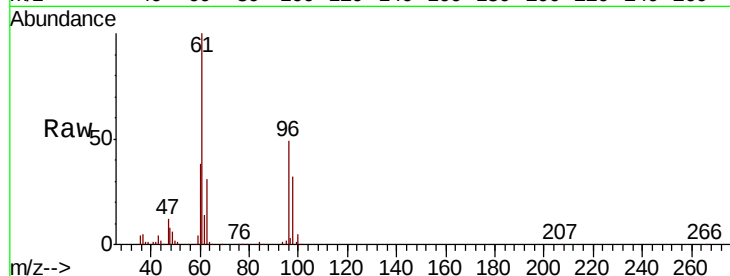
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	65039
Ion	Ratio	Lower	Upper
96	100		
61	205.7	159.5	239.3
98	66.7	53.8	80.6

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#22

Diisopropyl ether

Concen: 63.68 ug/l

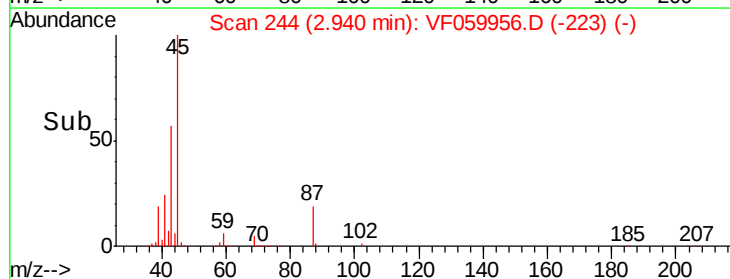
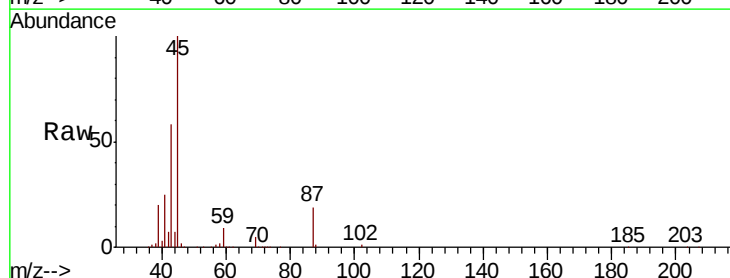
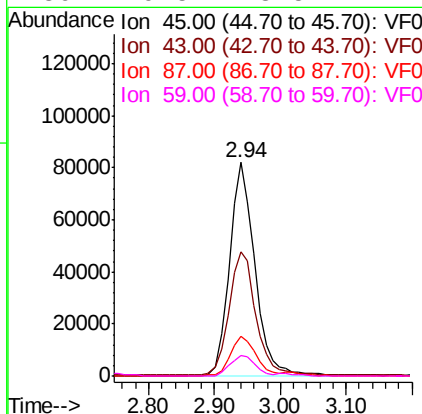
RT: 2.94 min Scan# 244

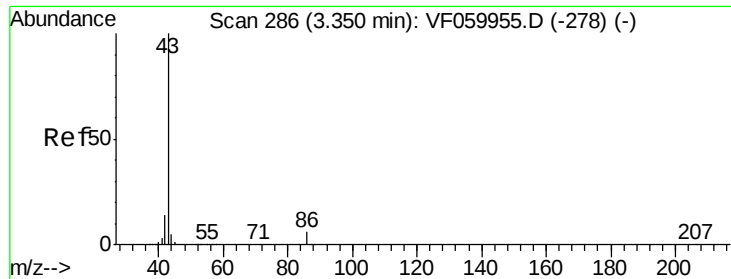
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	45	Resp:	221104
Ion	Ratio	Lower	Upper
45	100		
43	57.9	48.7	73.1
87	18.5	15.3	22.9
59	9.5	8.5	12.7





#23

Vinyl Acetate

Concen: 345.14 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 583394

Ion Ratio Lower Upper

43 100

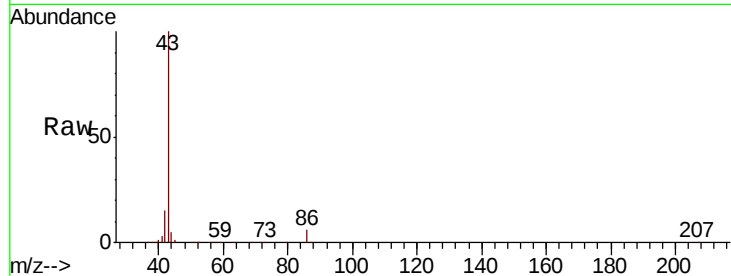
86 6.3 4.9 7.3

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

100000

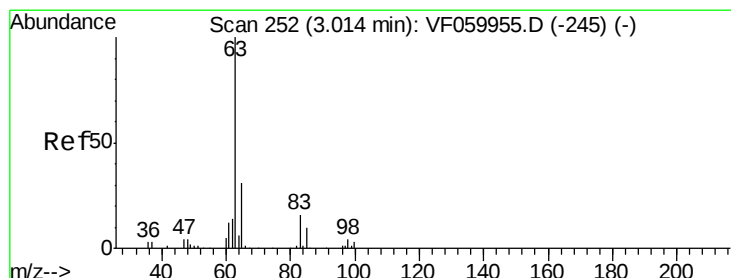
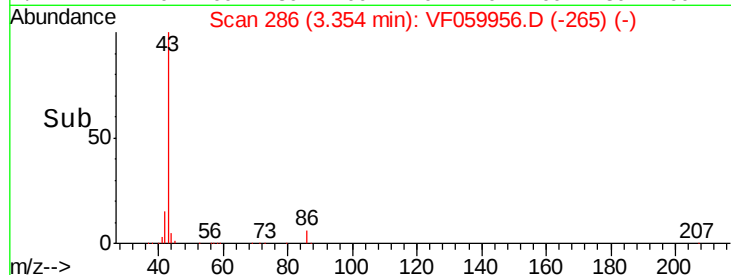
50000

0

Time-->

3.20 3.30 3.40 3.50 3.60

3.35



#24

1,1-Dichloroethane

Concen: 61.36 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

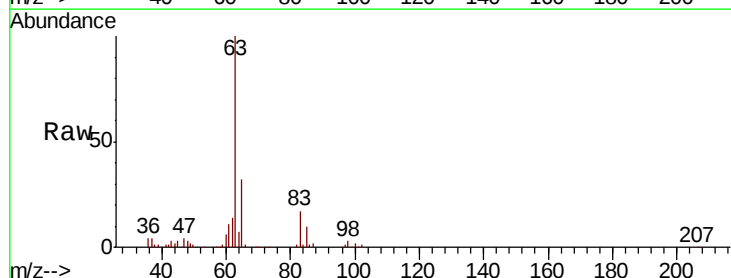
Tgt Ion: 63 Resp: 154757

Ion Ratio Lower Upper

63 100

98 3.4 2.1 6.2

100 2.4 1.7 5.1



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

80000

60000

40000

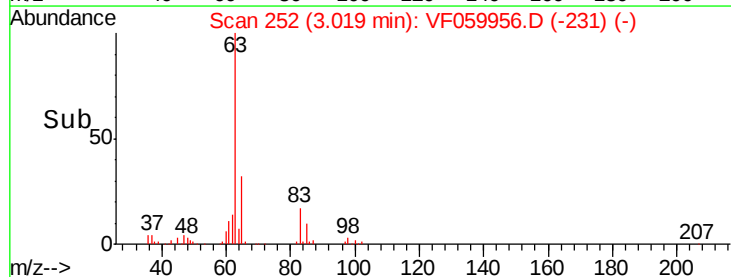
20000

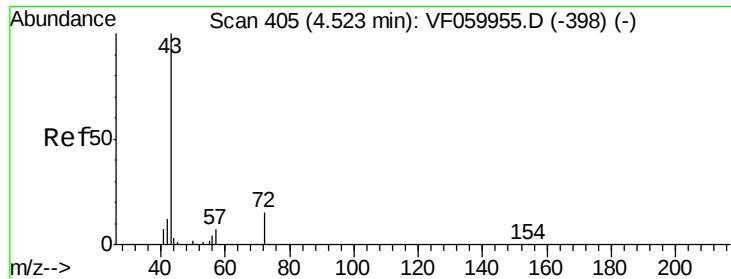
0

Time-->

2.90 3.00 3.10 3.20

3.02





#25

2-Butanone

Concen: 331.92 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 146104

Ion Ratio Lower Upper

43 100

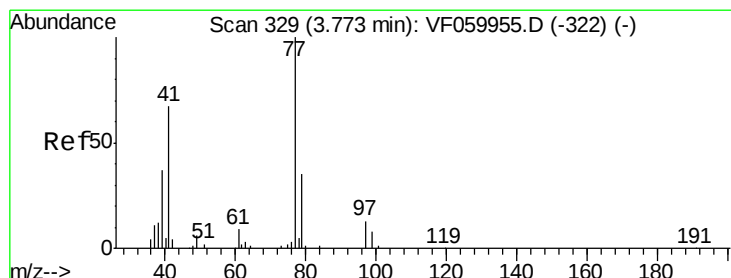
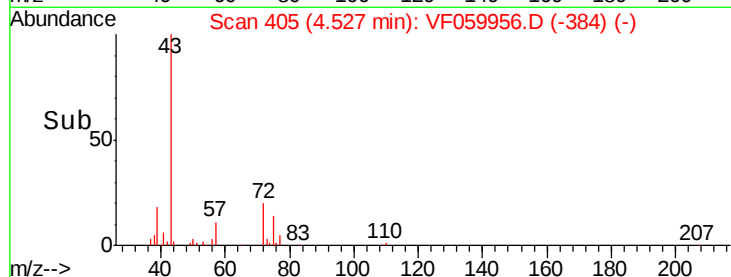
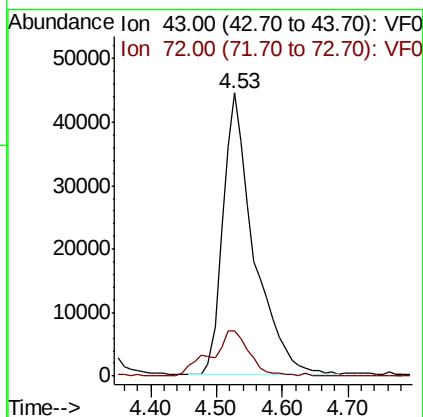
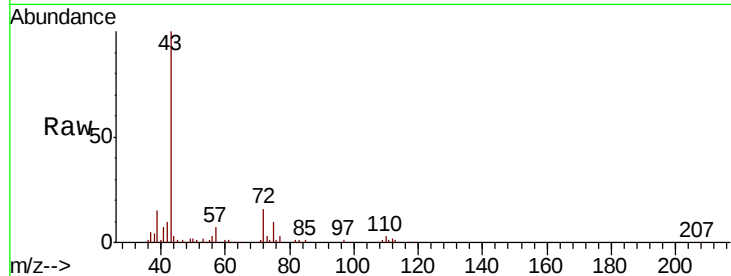
72 16.2 14.6 22.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 68.56 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059956.D

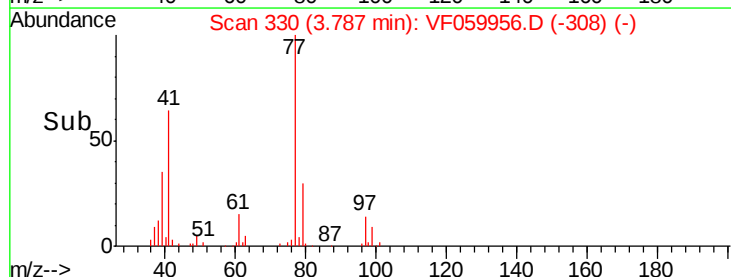
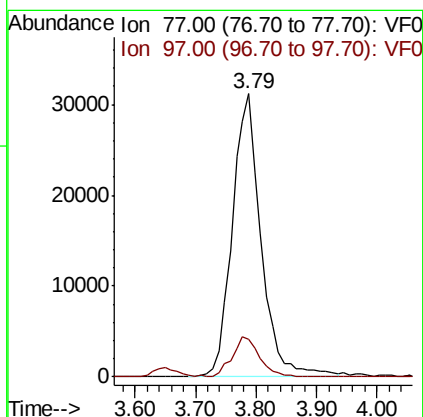
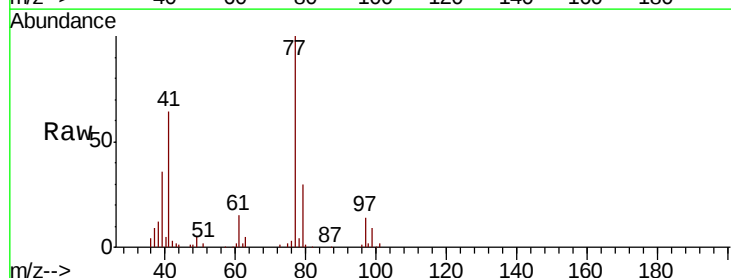
Acq: 14 Aug 2018 20:32

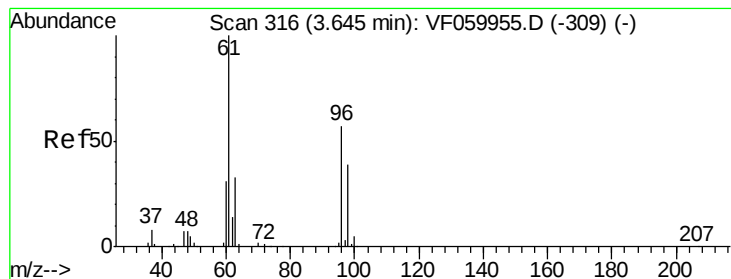
Tgt Ion: 77 Resp: 102698

Ion Ratio Lower Upper

77 100

97 13.5 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 64.37 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

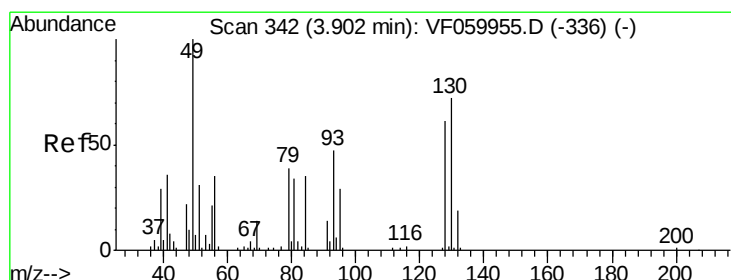
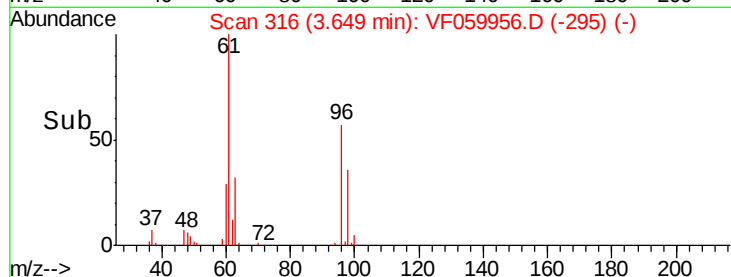
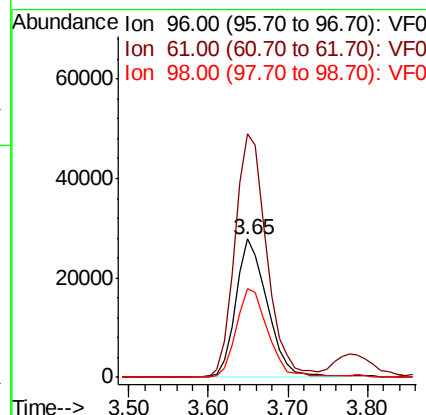
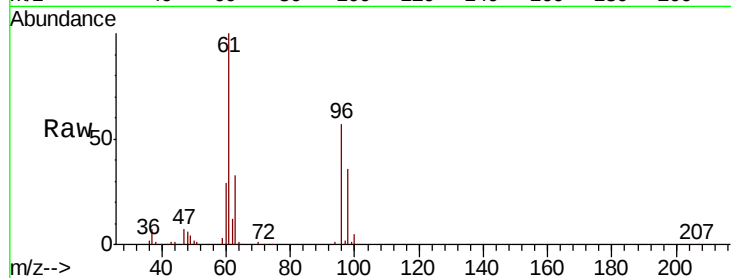
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	76782
Ion	Ratio	Lower	Upper
96	100		
61	175.9	0.0	349.4
98	63.9	0.0	134.6

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#28

Bromochloromethane

Concen: 61.88 ug/l

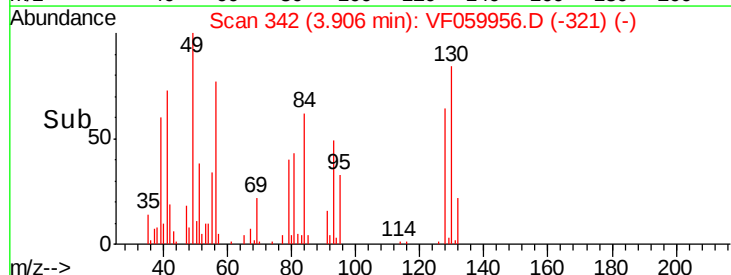
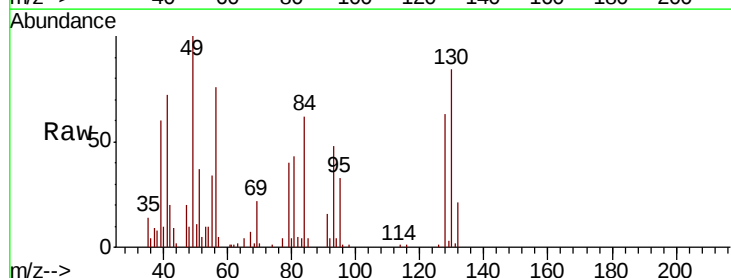
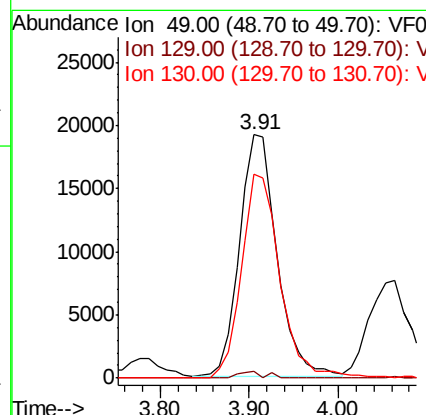
RT: 3.91 min Scan# 342

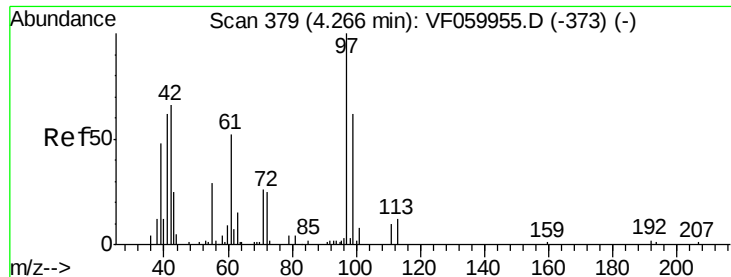
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	49	Resp:	55944
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.2
130	83.6	58.1	87.1





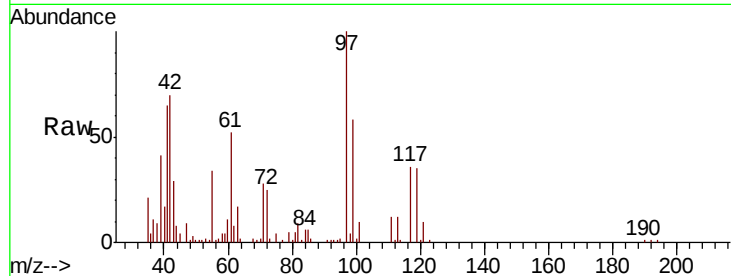
#29
Tetrahydrofuran
Concen: 328.71 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.7	41.5
71	33.9	28.2	42.4

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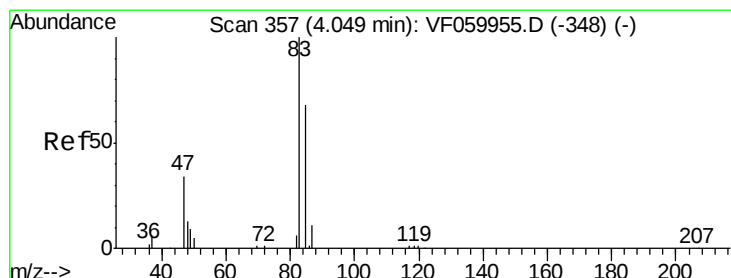
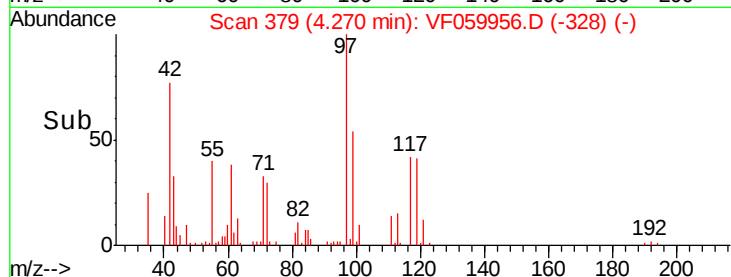
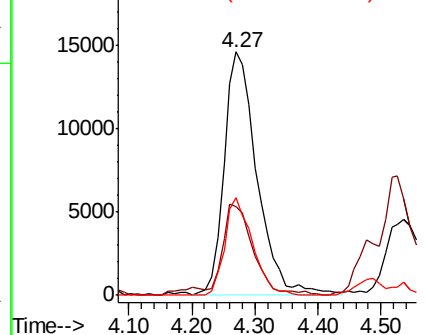


Abundance

Ion 42.00 (41.70 to 42.70): VF0

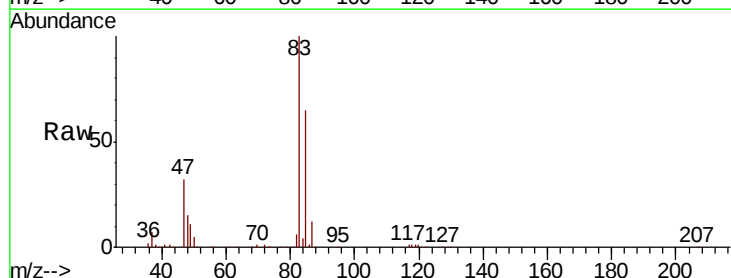
Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30
Chloroform
Concen: 63.87 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

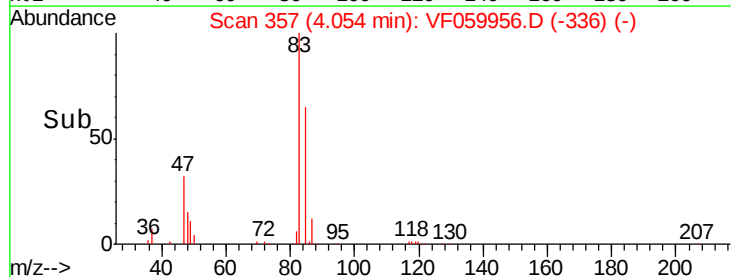
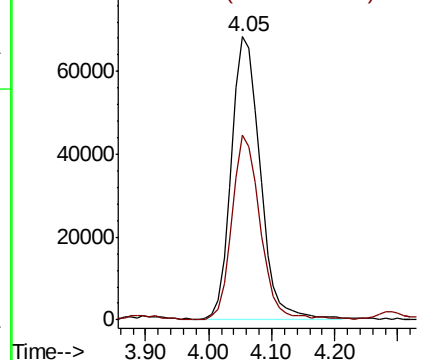
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	54.4	81.6

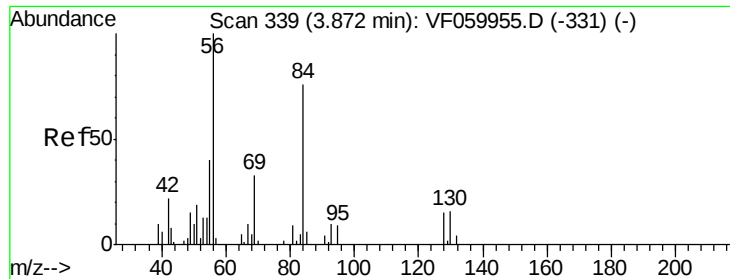


Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





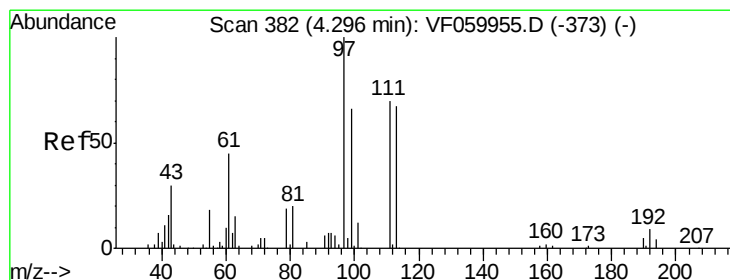
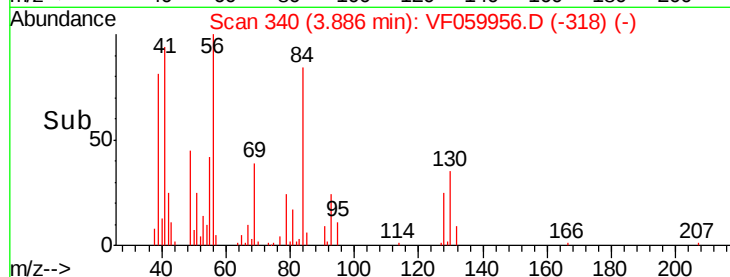
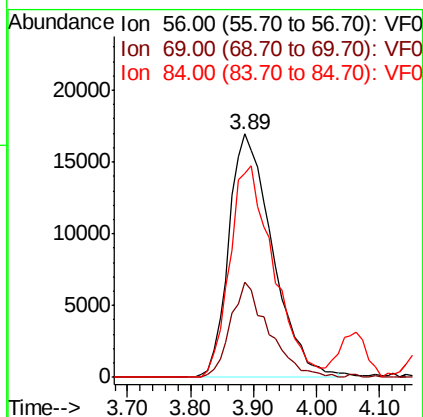
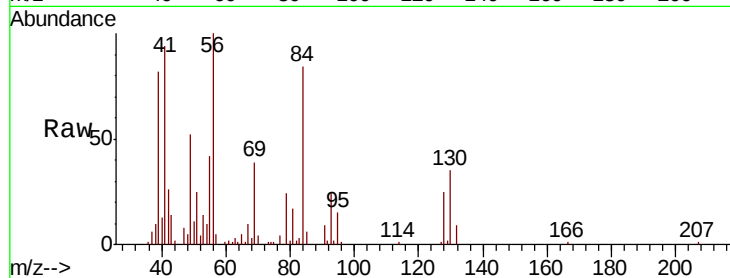
#31
Cyclohexane
Concen: 65.26 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	26.2	39.2
84	83.9	61.0	91.4

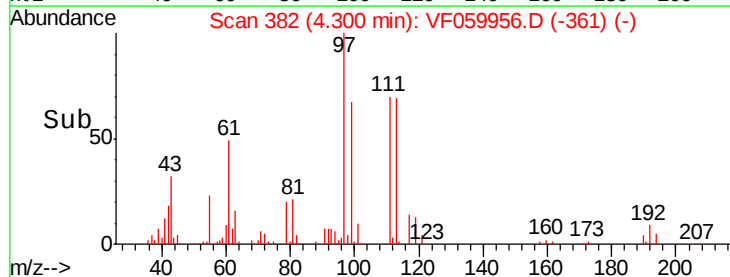
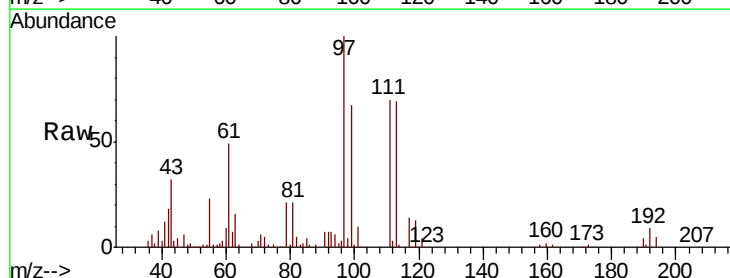
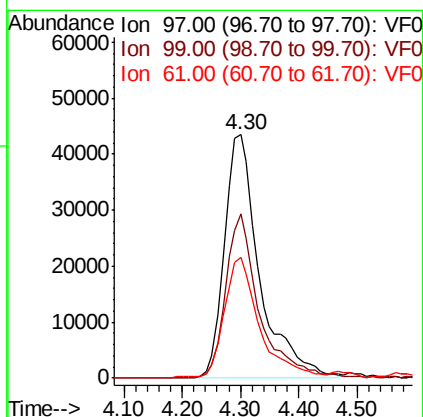
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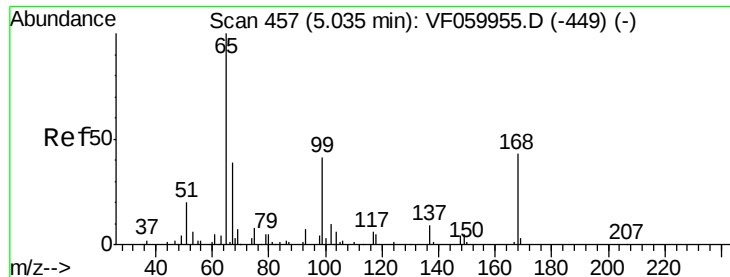
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#32
1,1,1-Trichloroethane
Concen: 67.00 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.5	53.0	79.4
61	49.4	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 70.44 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 156077

Ion Ratio Lower Upper

65 100

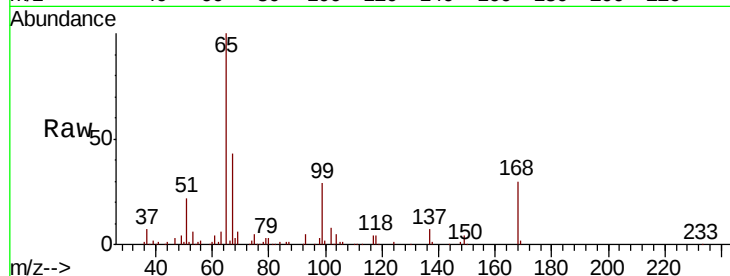
67 43.3 0.0 87.4

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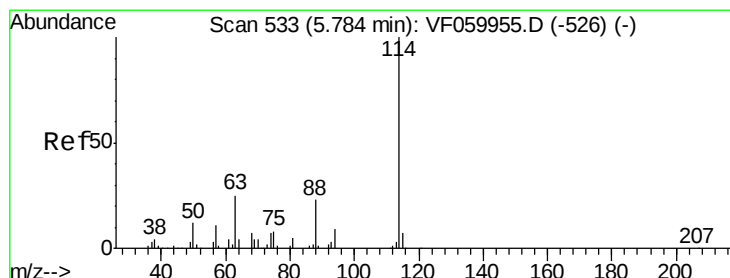
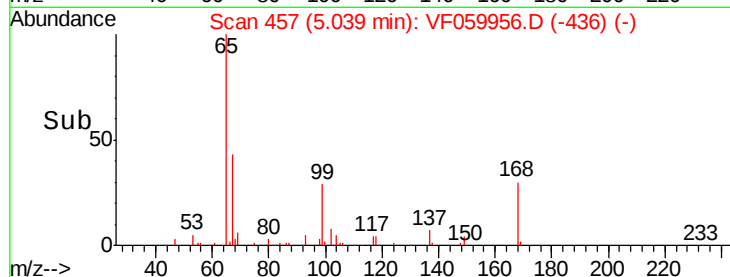
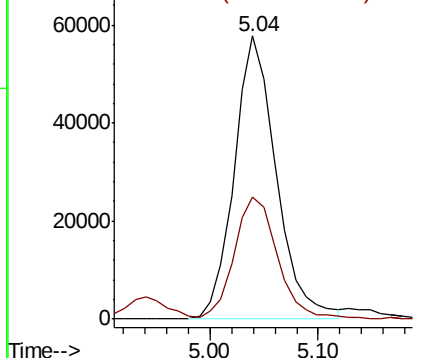
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

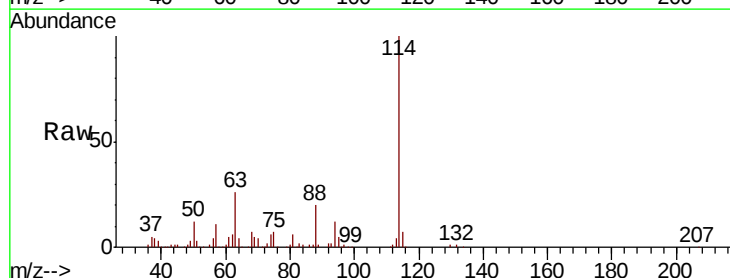
Tgt Ion: 114 Resp: 172140

Ion Ratio Lower Upper

114 100

63 25.9 0.0 50.2

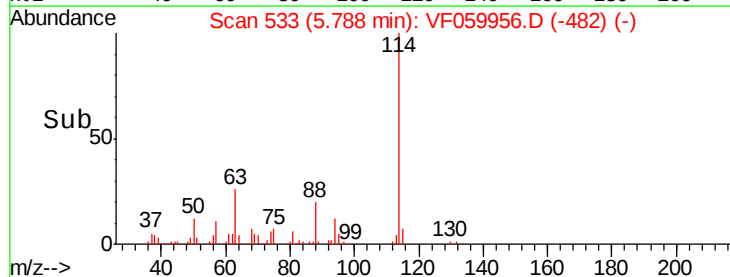
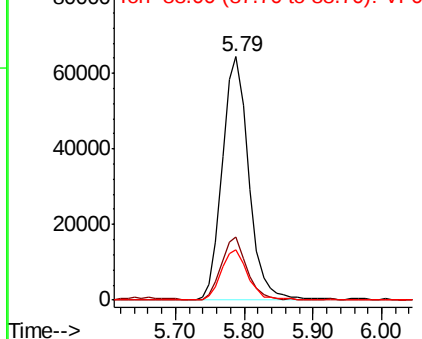
88 20.4 0.0 46.8

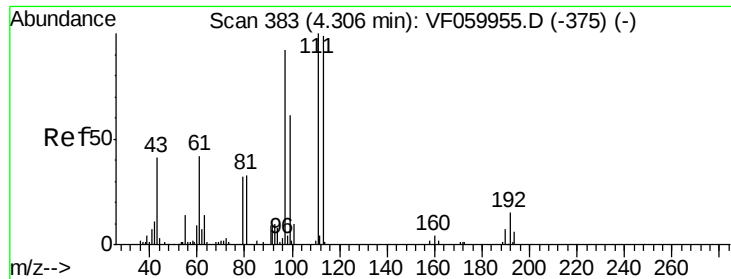


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 72.46 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

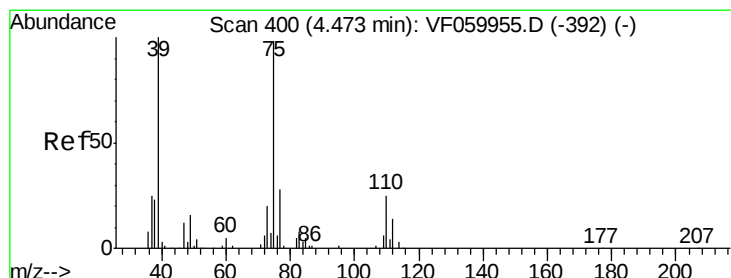
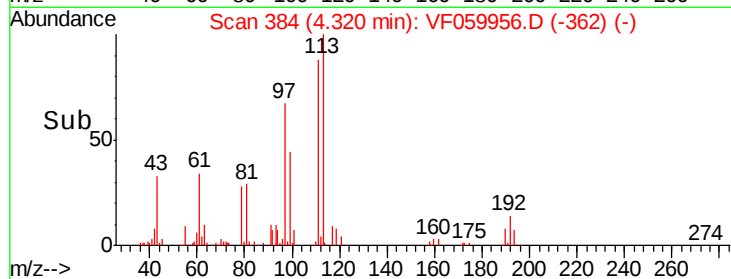
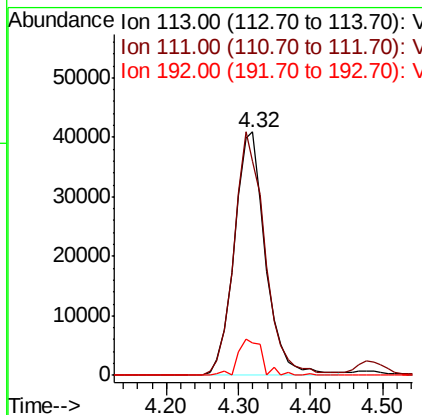
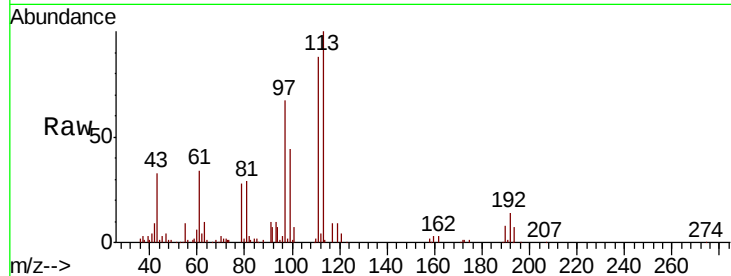
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	123171
Ion Ratio	Lower	Upper	
113	100		
111	88.2	80.6	121.0
192	13.6	11.7	17.5

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#36

1,1-Dichloropropene

Concen: 69.25 ug/l

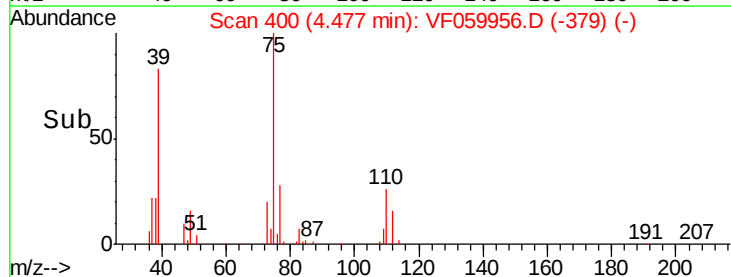
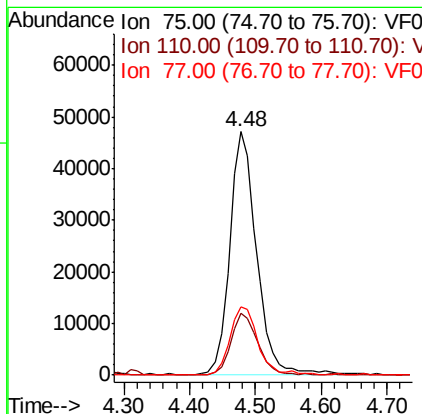
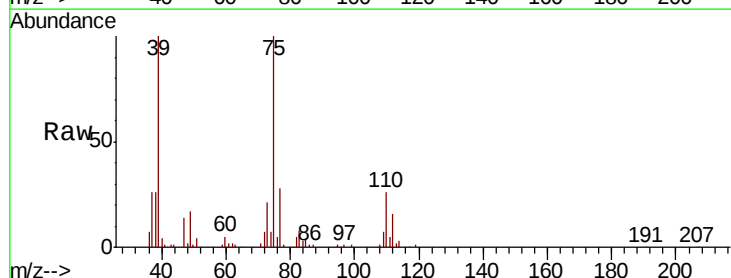
RT: 4.48 min Scan# 400

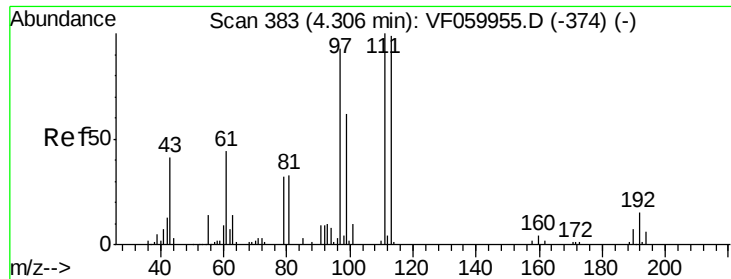
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	75	Resp:	135321
Ion Ratio	Lower	Upper	
75	100		
110	25.6	12.6	37.8
77	27.9	22.7	34.1





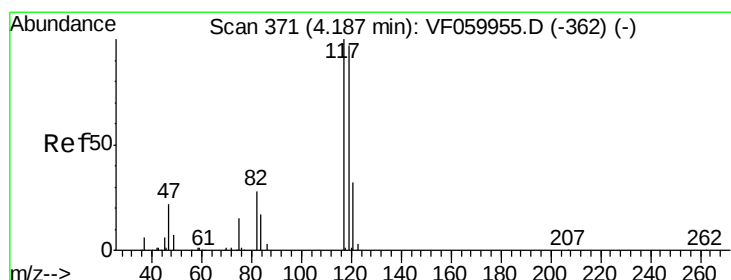
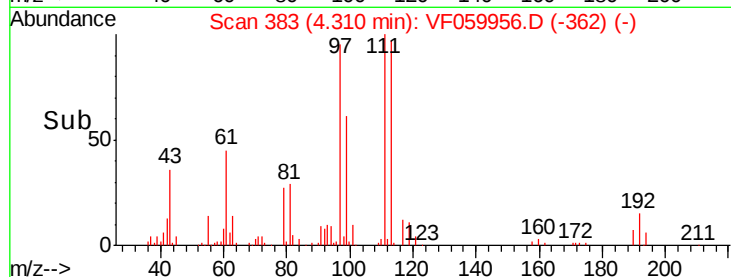
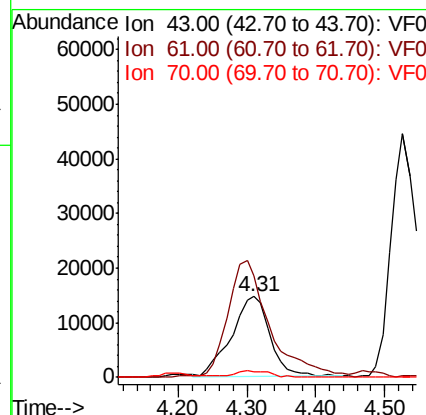
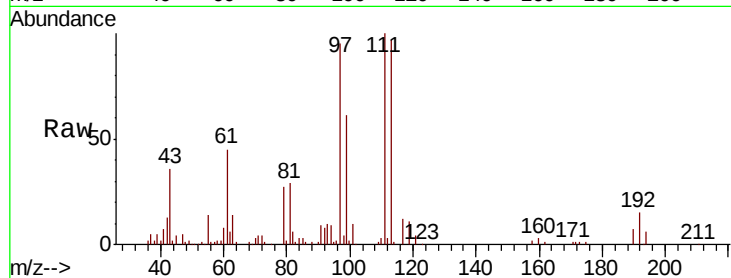
#37
Ethyl Acetate
Concen: 68.49 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	125.7	84.3	126.5
70	7.4	5.5	8.3

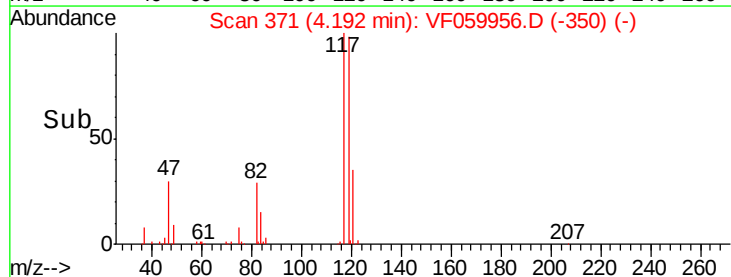
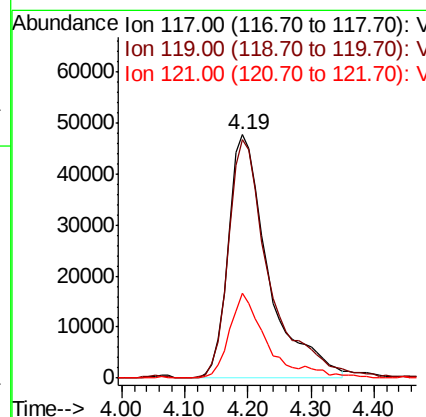
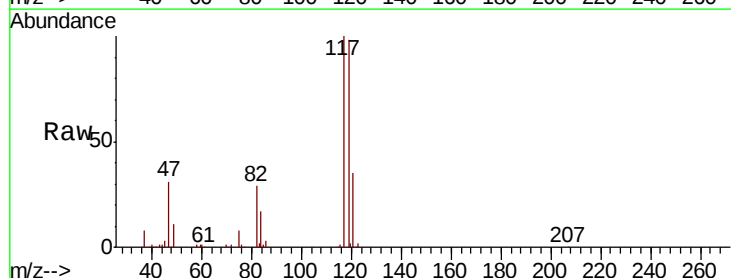
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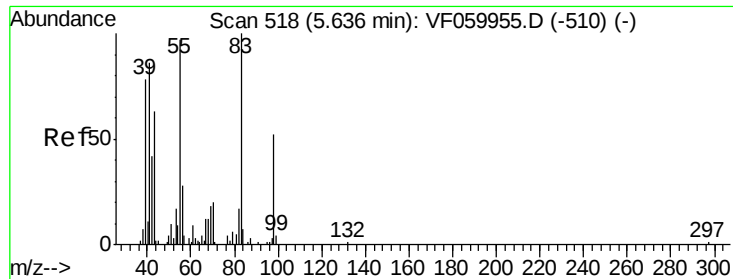
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#38
Carbon Tetrachloride
Concen: 72.42 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.9	115.3
121	35.1	24.9	37.3





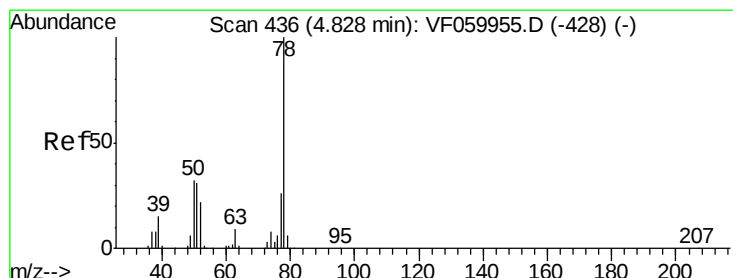
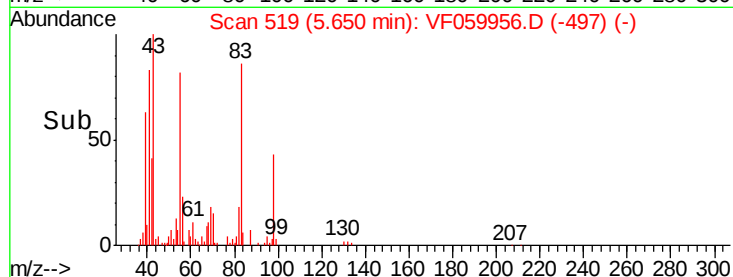
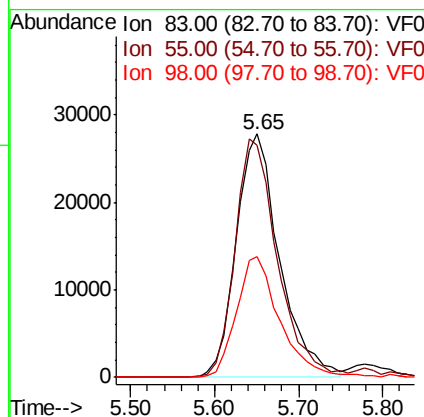
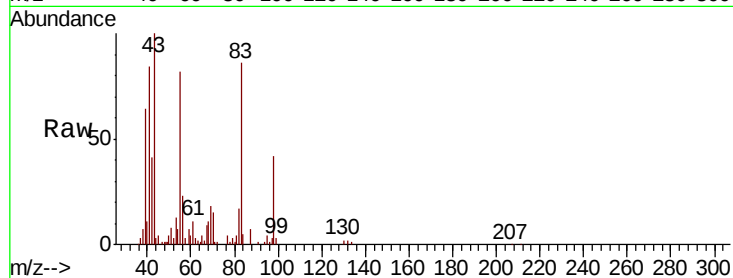
#39
Methvlcvclohexane
Concen: 68.63 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.5	77.4	116.2
98	49.6	41.5	62.3

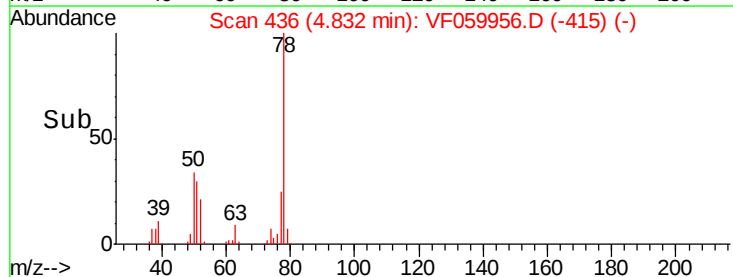
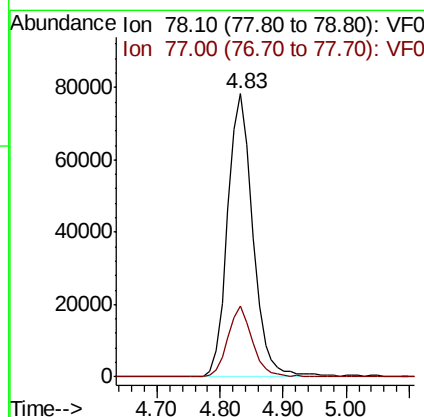
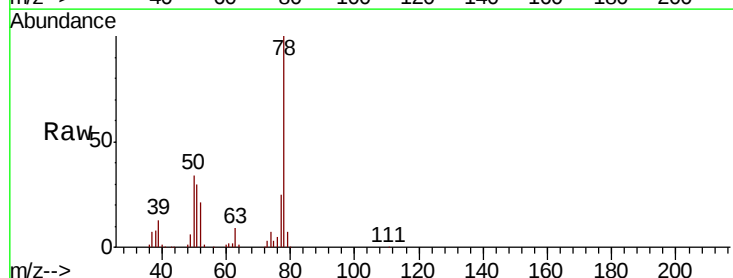
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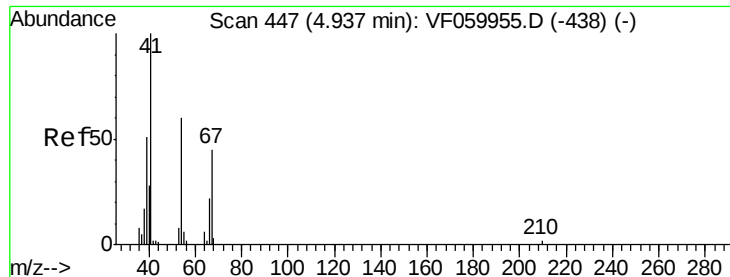
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#40
Benzene
Concen: 65.37 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	21.1	31.7





#41

Methacrylonitrile

Concen: 67.44 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

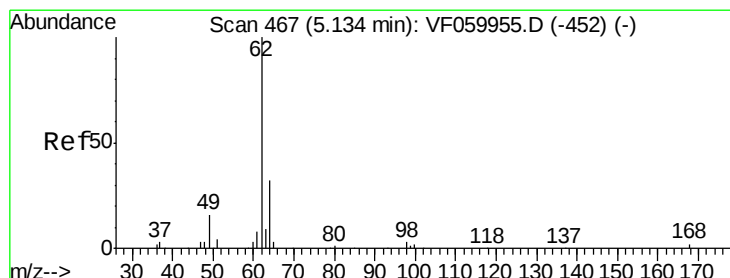
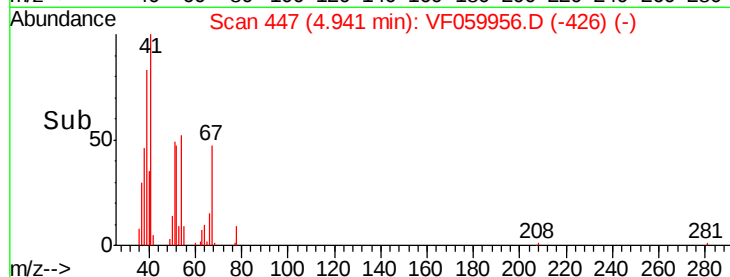
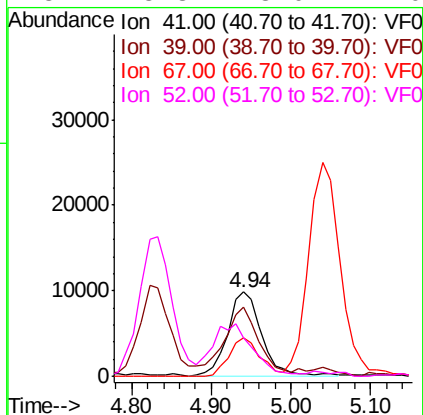
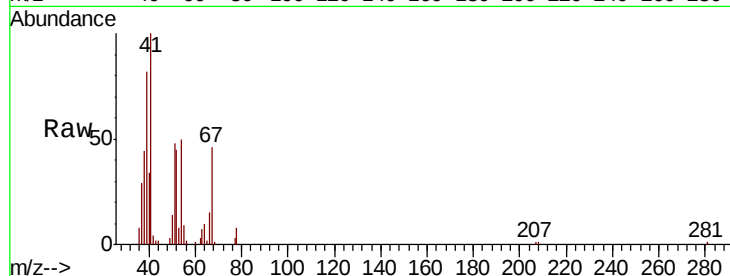
ClientSampleId :

VSTDIC075

Tot Ion:	41	Resp:	29594
Ion	Ratio	Lower	Upper
41	100		
39	82.3	75.7	113.5
67	45.7	36.1	54.1
52	45.3	48.0	72.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 64.85 ug/l

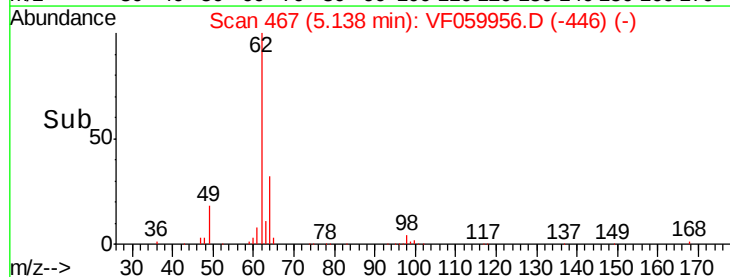
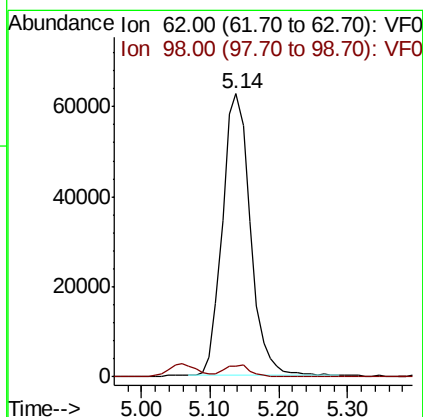
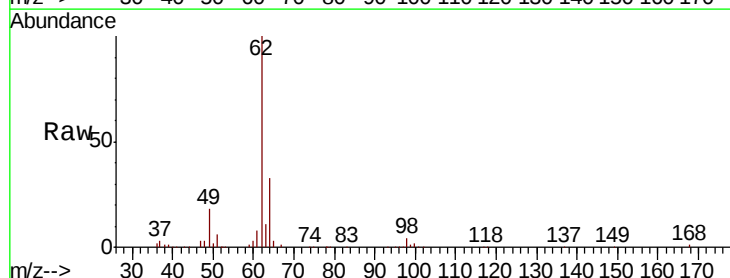
RT: 5.14 min Scan# 467

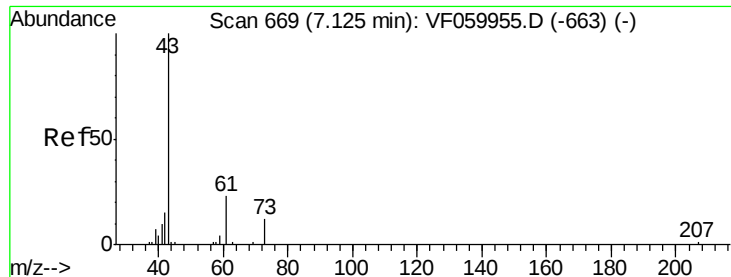
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	62	Resp:	176730
Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	5.0





#43

Isopropyl Acetate

Concen: 73.43 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

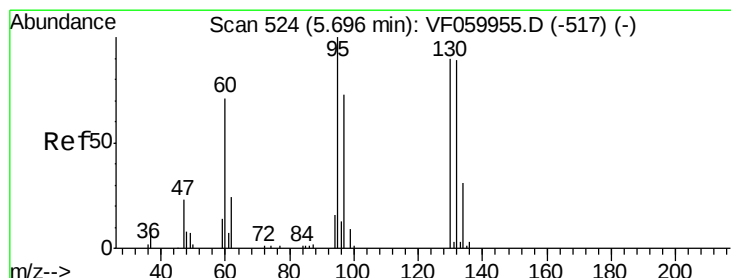
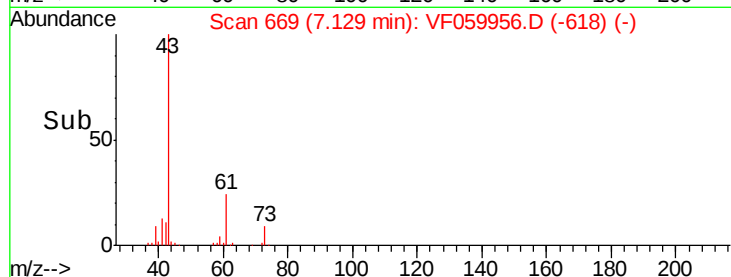
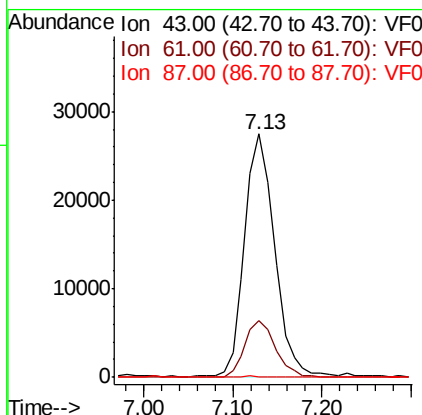
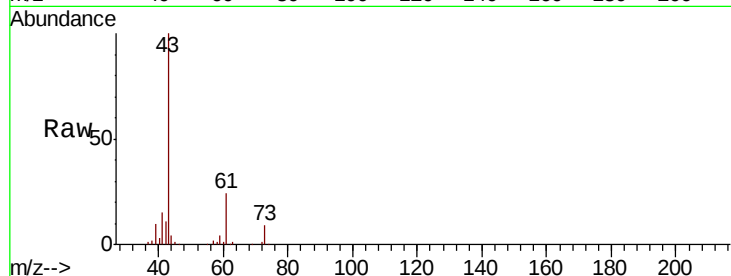
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	64842
Ion	Ratio	Lower	Upper
43	100		
61	23.6	18.6	27.8
87	0.0	0.0	0.0

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#44

Trichloroethene

Concen: 65.40 ug/l

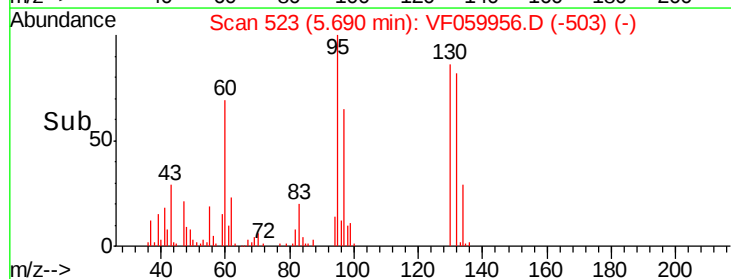
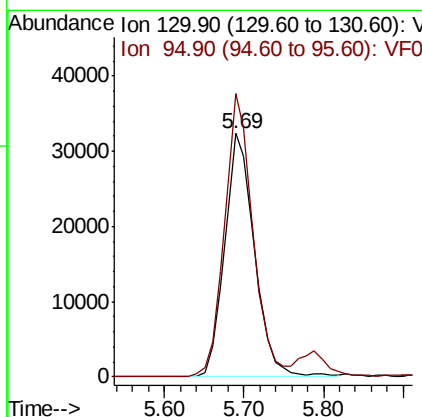
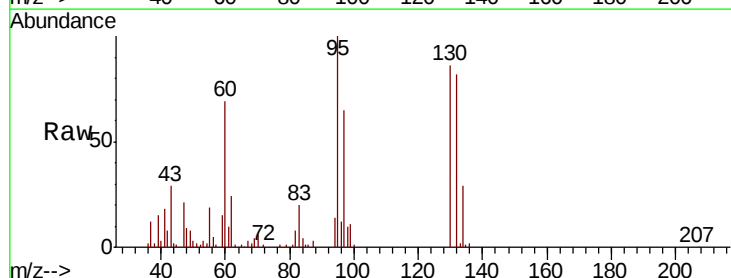
RT: 5.69 min Scan# 523

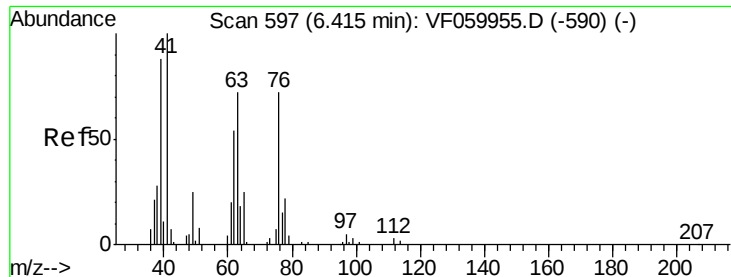
Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	130	Resp:	85018
Ion	Ratio	Lower	Upper
130	100		
95	116.2	0.0	222.0





#45

1,2-Dichloropropane

Concen: 68.77 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 61748

Ion Ratio Lower Upper

63 100

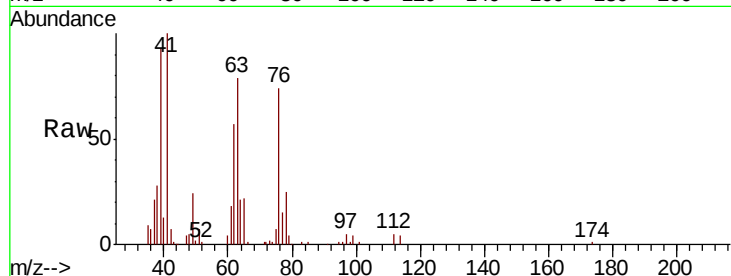
65 28.1 27.8 41.6

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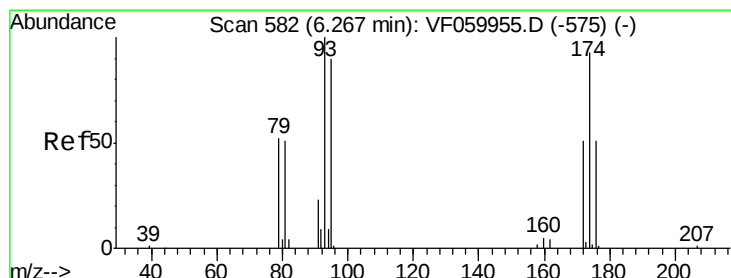
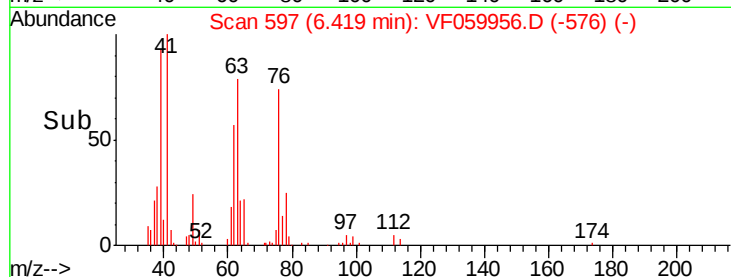
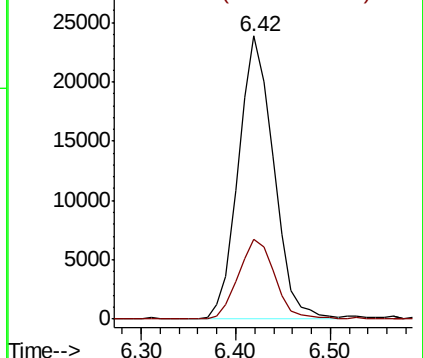
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 64.70 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

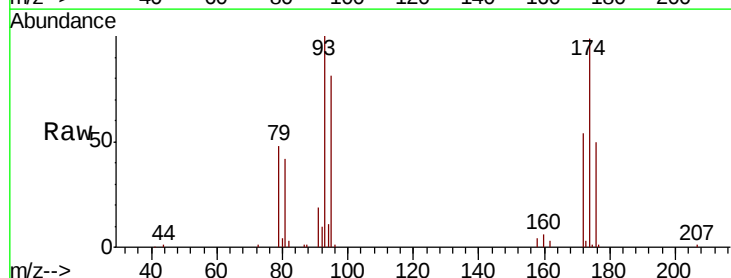
Tgt Ion: 93 Resp: 58899

Ion Ratio Lower Upper

93 100

95 81.2 72.4 108.6

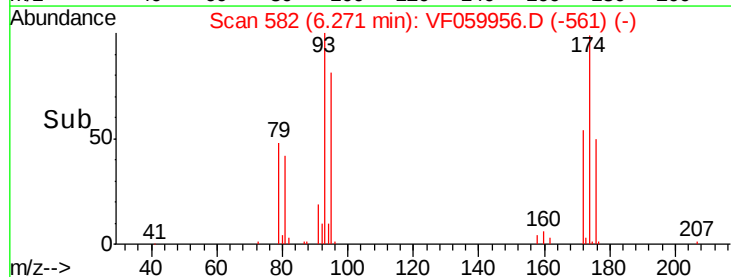
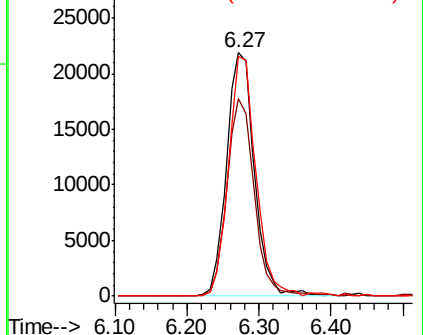
174 100.0 75.9 113.9

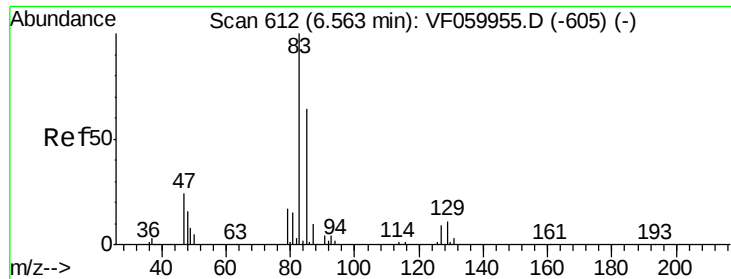


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 66.71 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

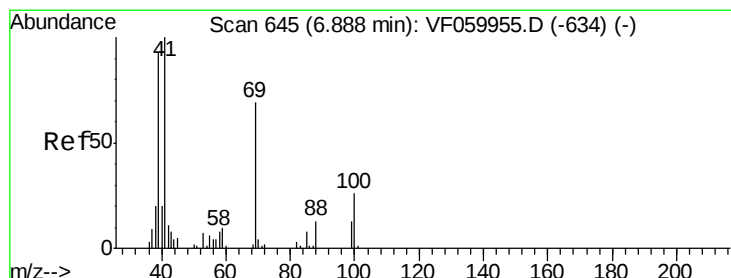
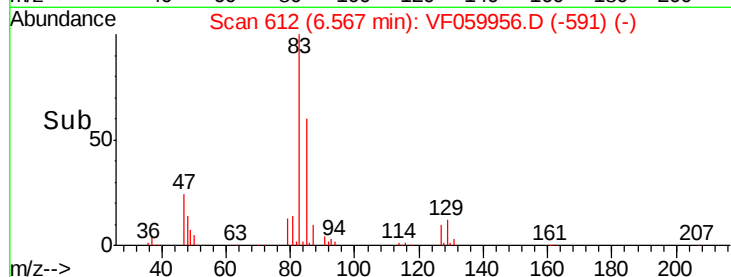
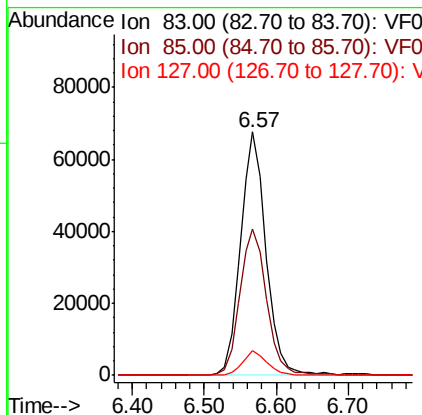
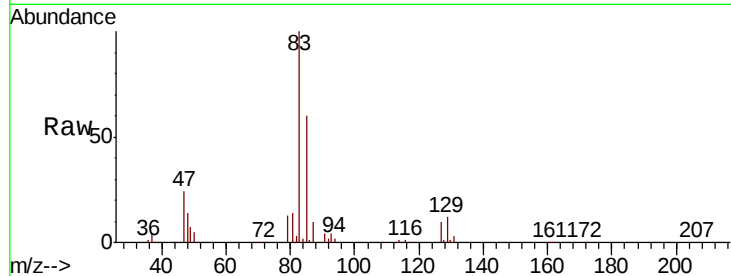
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	166364
Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.5	77.3
127	10.0	7.5	11.3

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#48

Methyl methacrylate

Concen: 78.35 ug/l

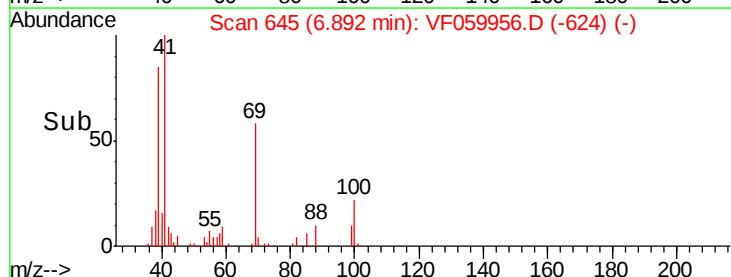
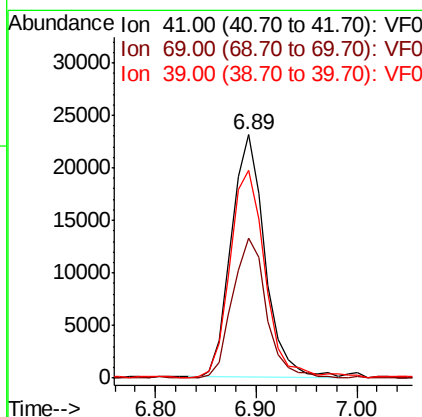
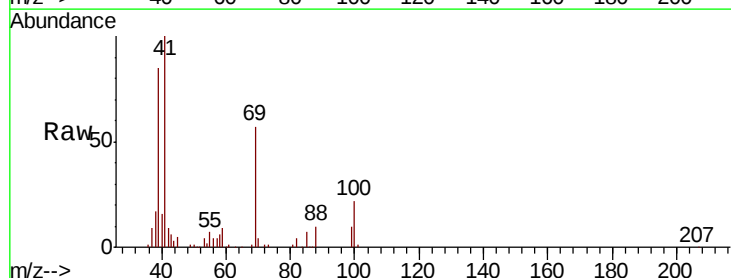
RT: 6.89 min Scan# 645

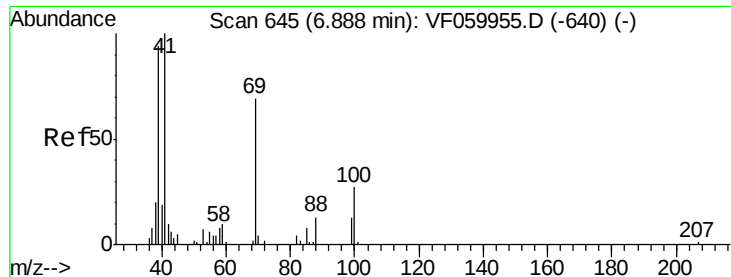
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	41	Resp:	53396
Ion	Ratio	Lower	Upper
41	100		
69	57.3	54.8	82.2
39	85.4	75.1	112.7





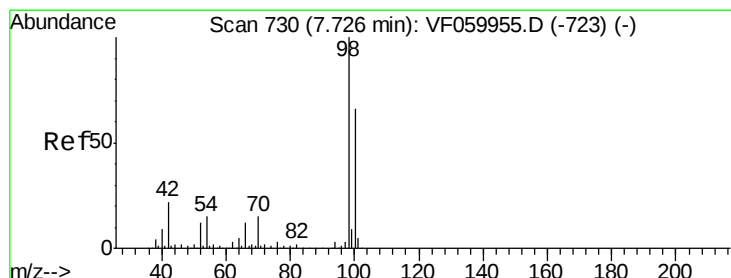
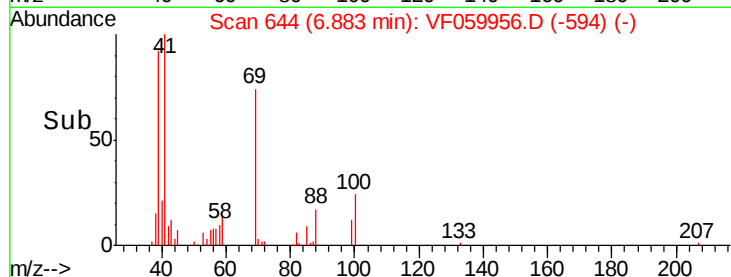
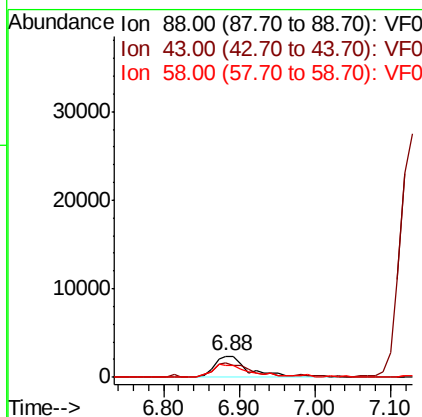
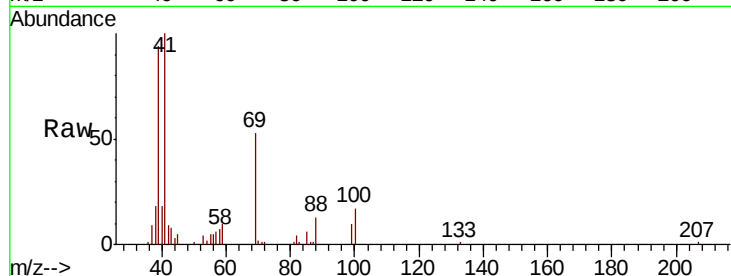
#49
1,4-Dioxane
Concen: 1508.29 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	67.4	47.9	71.9
58	54.6	52.0	78.0

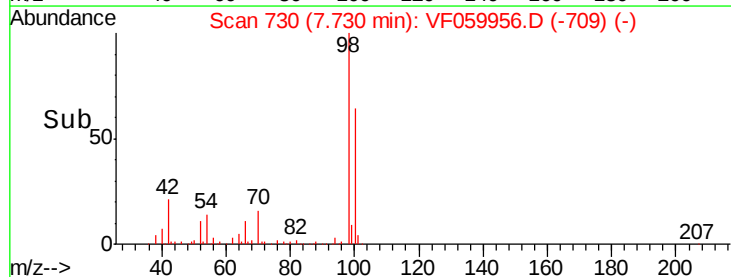
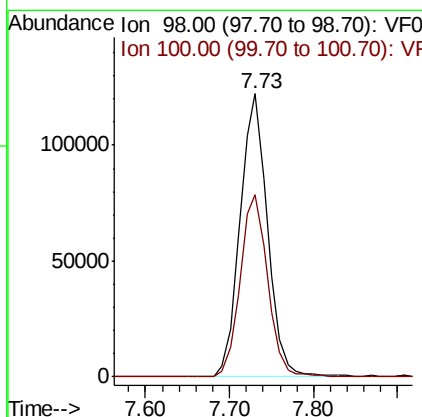
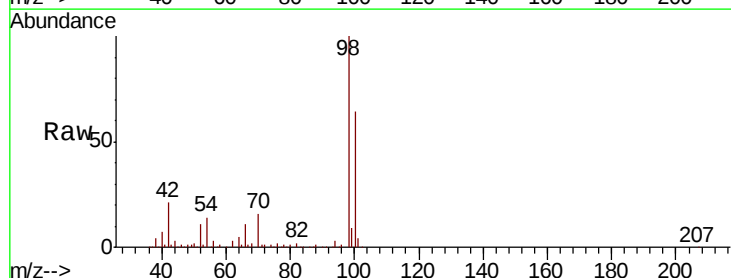
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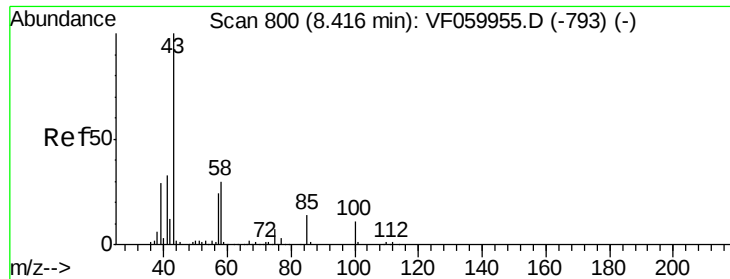
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#50
Toluene-d8
Concen: 76.04 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 343.93 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 308439

Ion Ratio Lower Upper

43 100

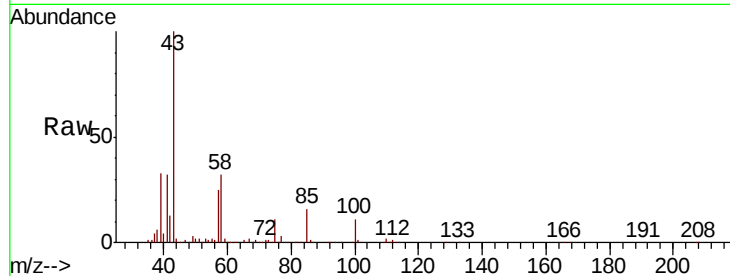
58 31.5 24.2 36.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

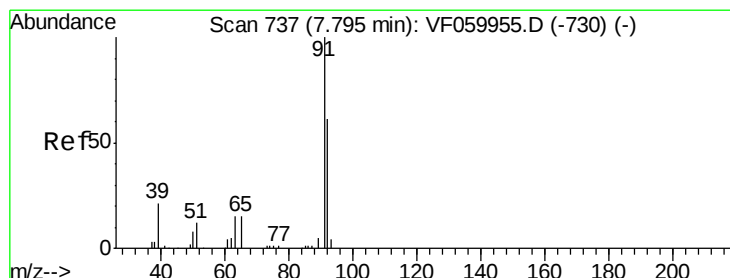
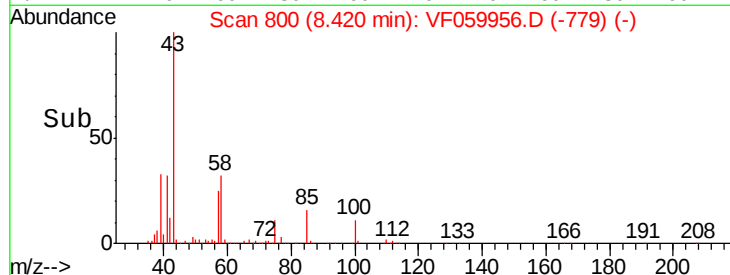
150000

100000

50000

0

Time--> 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 65.80 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059956.D

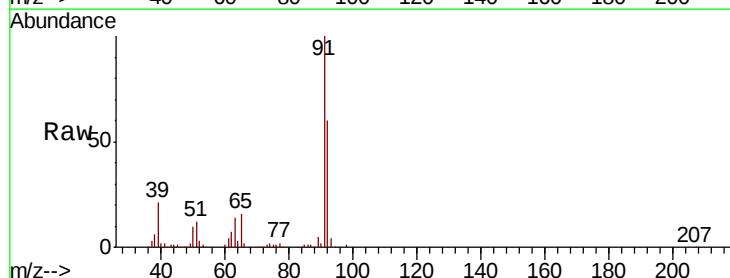
Acq: 14 Aug 2018 20:32

Tgt Ion: 92 Resp: 163319

Ion Ratio Lower Upper

92 100

91 166.2 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

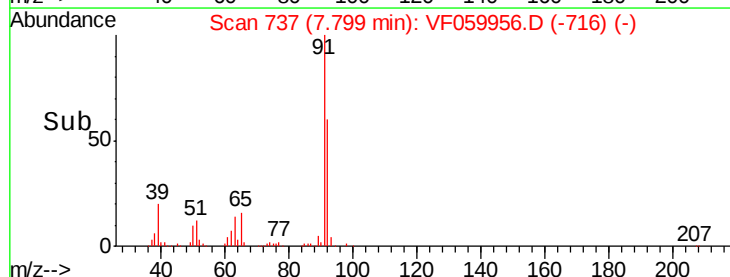
7.80

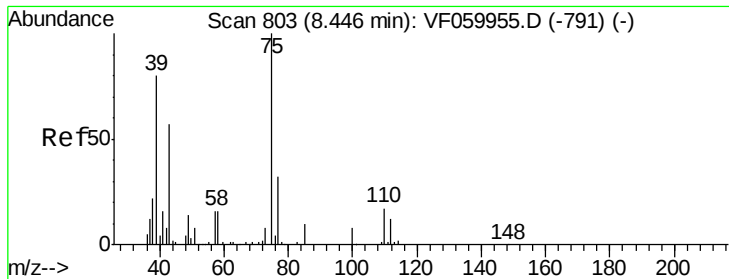
100000

50000

0

Time--> 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 71.53 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 138122

Ion Ratio Lower Upper

75 100

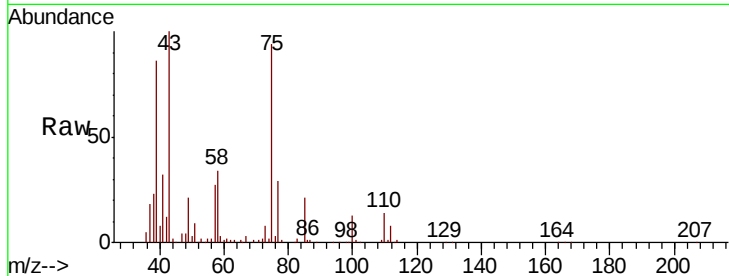
77 30.9 25.8 38.6

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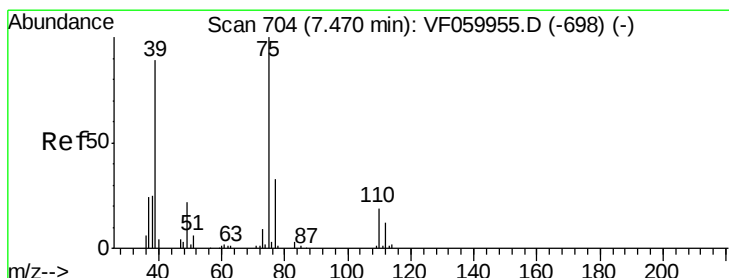
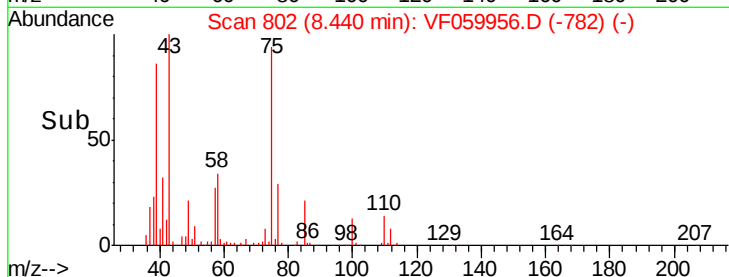
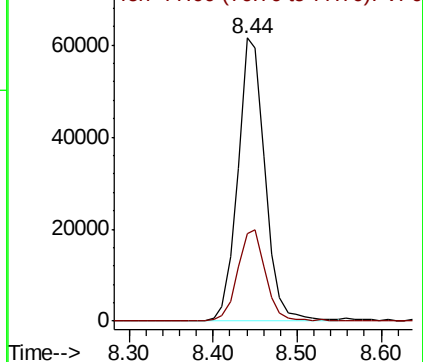
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 71.76 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

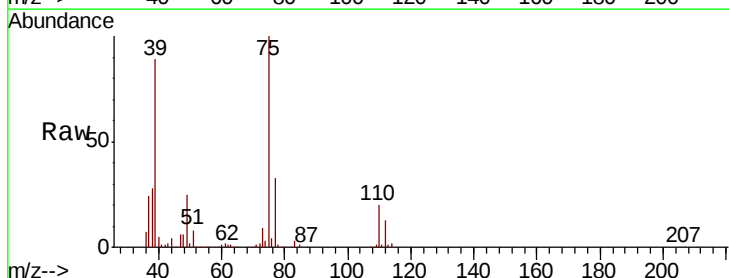
Tgt Ion: 75 Resp: 141604

Ion Ratio Lower Upper

75 100

77 33.3 26.1 39.1

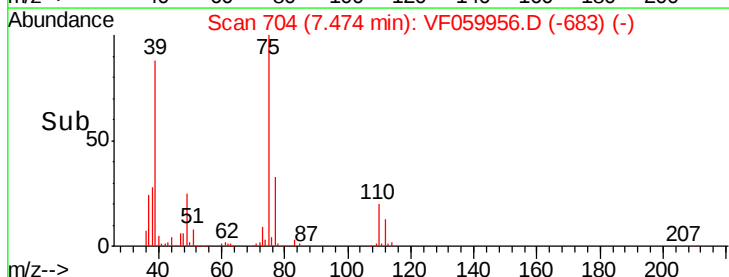
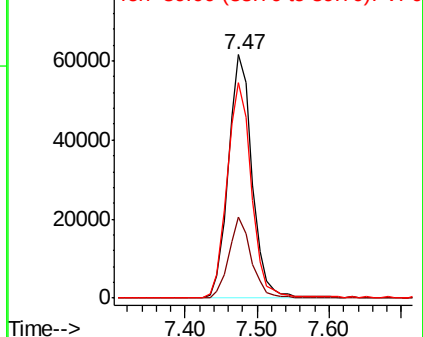
39 88.6 71.6 107.4

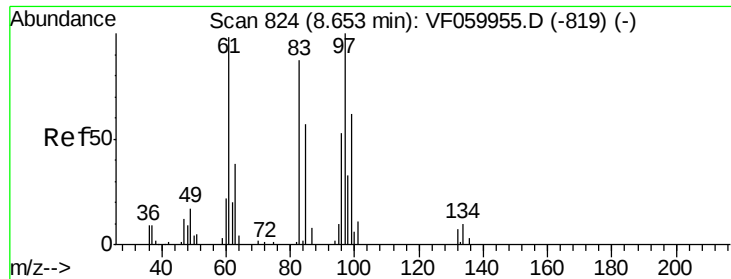


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 69.60 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

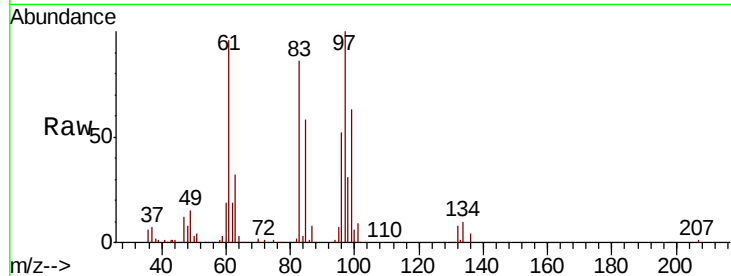
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	62133
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.0	105.0
85	58.1	45.2	67.8
99	62.5	49.7	74.5

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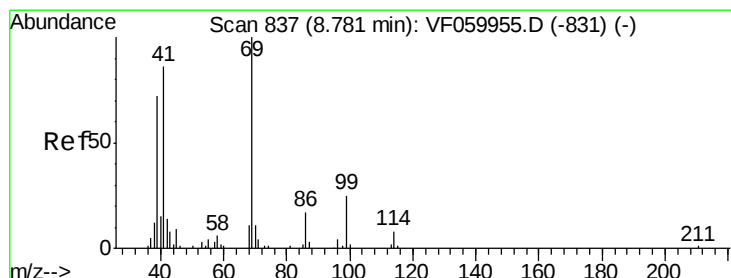
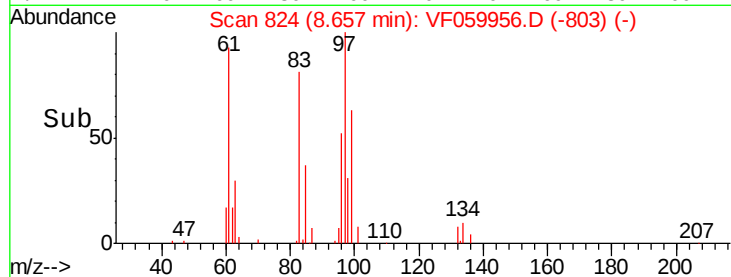
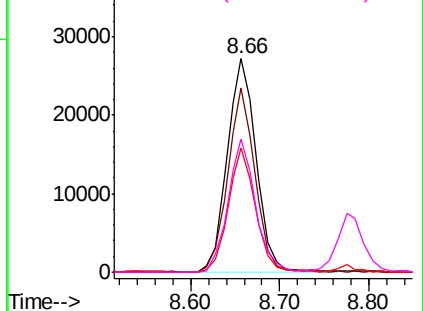
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 68.38 ug/l

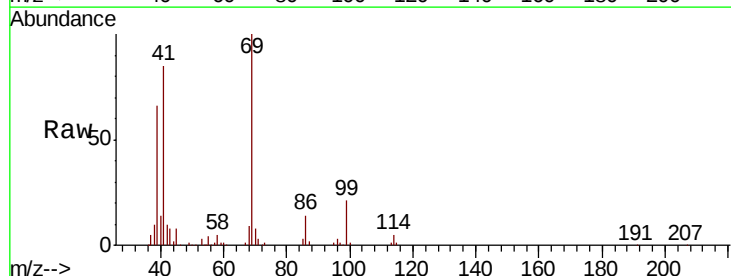
RT: 8.78 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	69	Resp:	68886
Ion	Ratio	Lower	Upper
69	100		
41	85.1	68.7	103.1
39	65.7	58.5	87.7

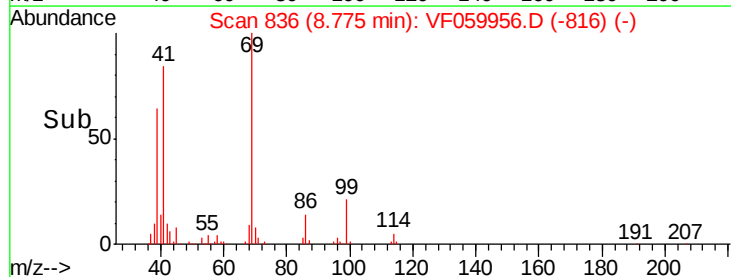
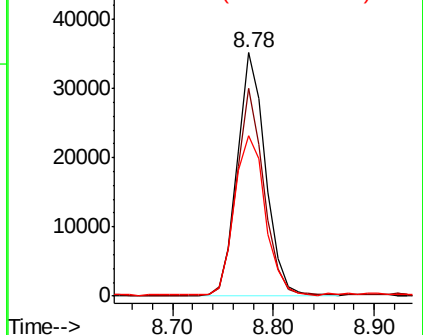


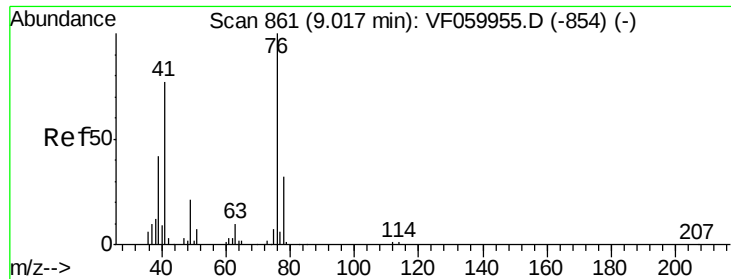
Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 68.05 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 105468

Ion Ratio Lower Upper

76 100

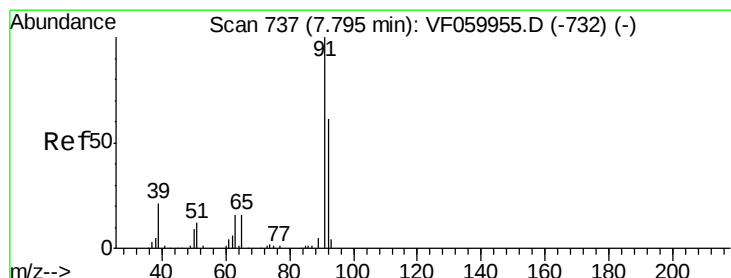
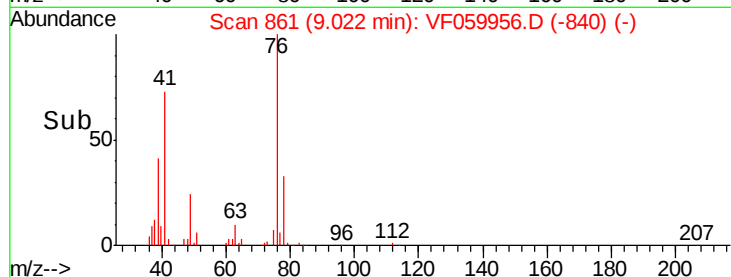
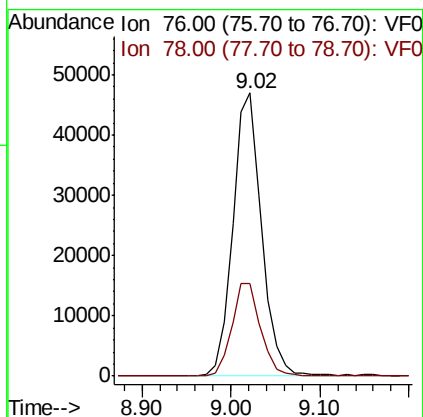
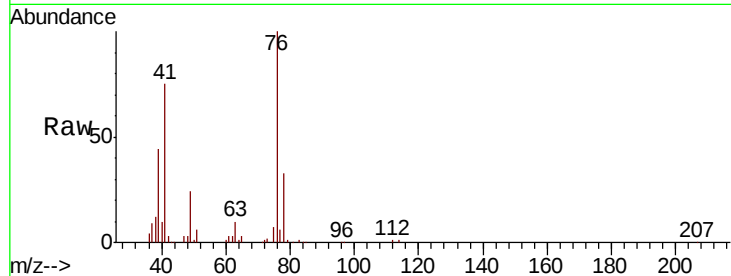
78 32.6 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 339.51 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059956.D

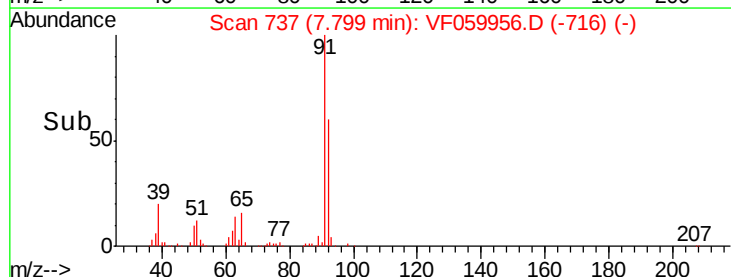
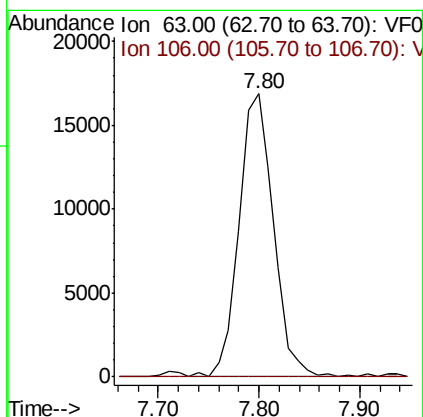
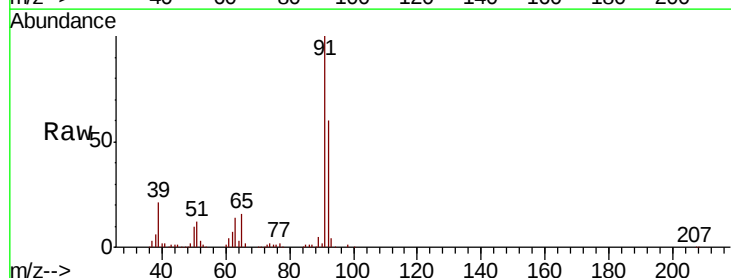
Acq: 14 Aug 2018 20:32

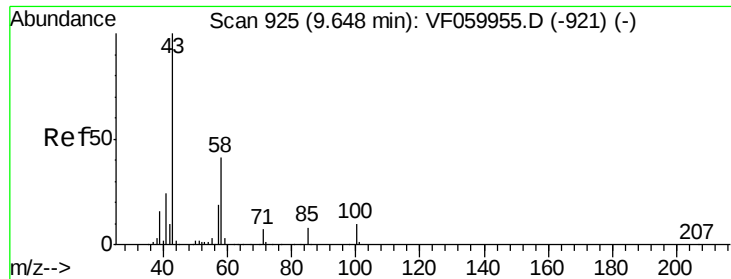
Tgt Ion: 63 Resp: 40091

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





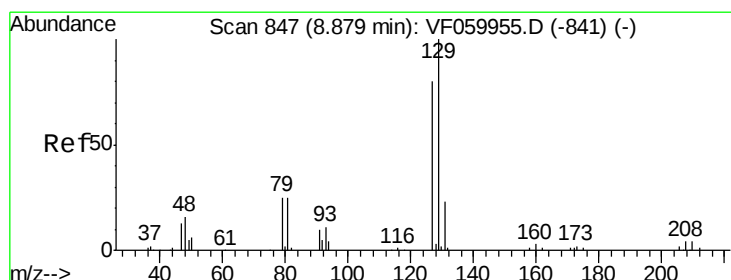
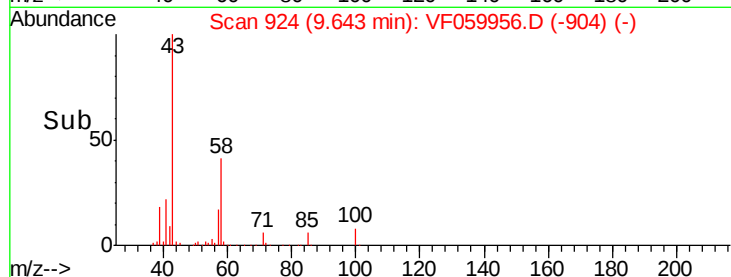
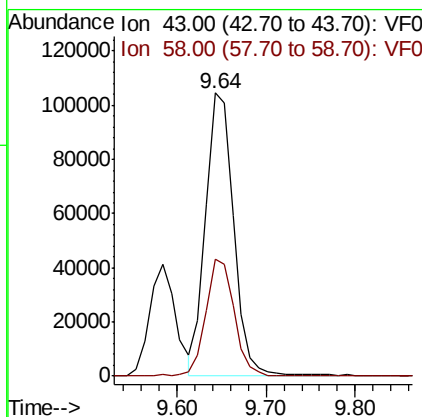
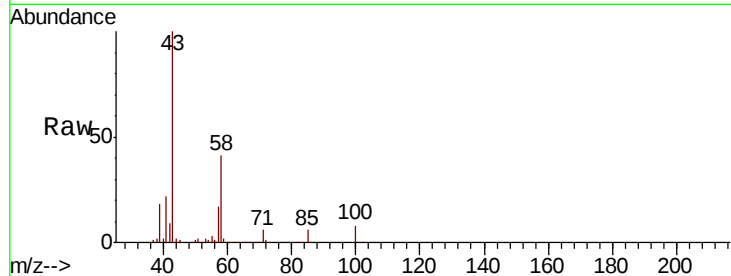
#59
2-Hexanone
Concen: 356.43 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	19.4	58.2

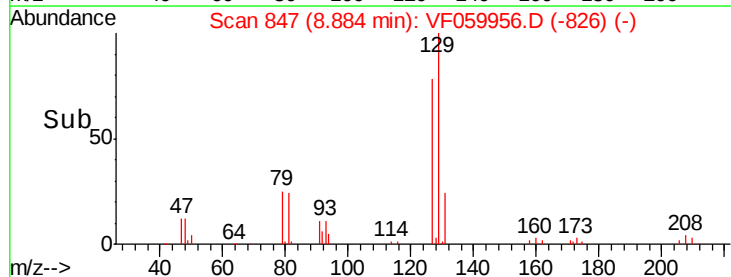
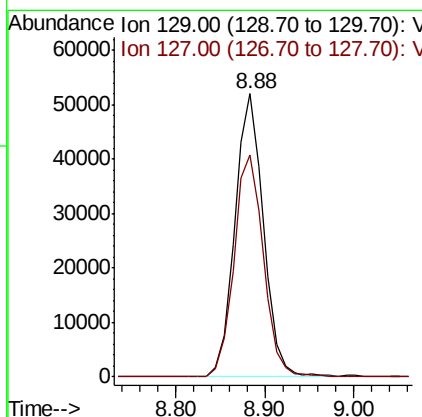
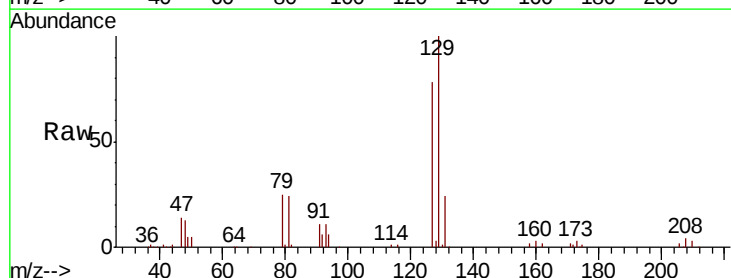
Manual Integrations
APPROVED

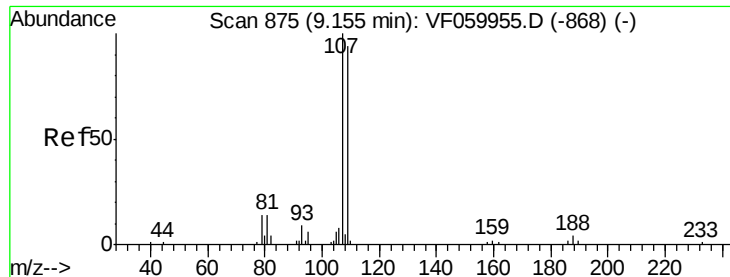
apatel
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#60
Dibromochloromethane
Concen: 69.17 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	40.0	119.9





#61

1,2-Dibromoethane

Concen: 68.23 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 74193

Ion Ratio Lower Upper

107 100

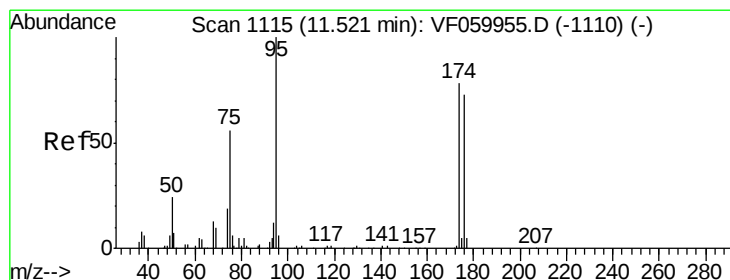
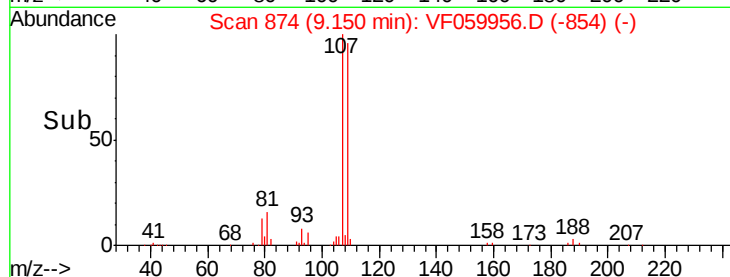
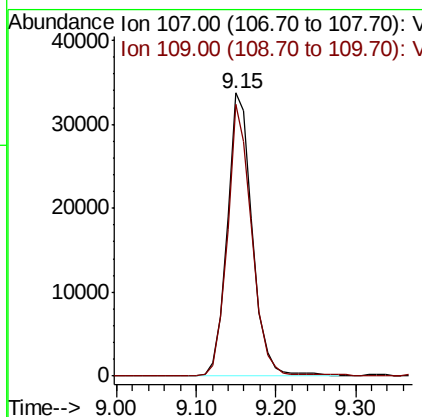
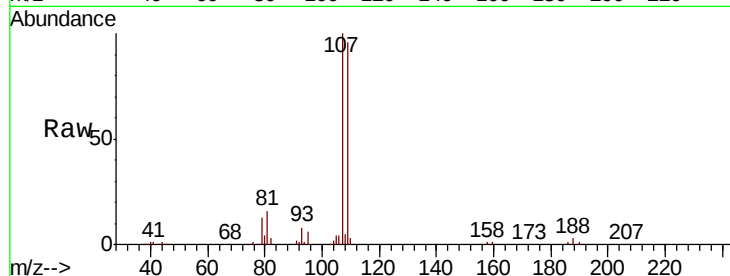
109 95.9 75.0 112.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 75.98 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

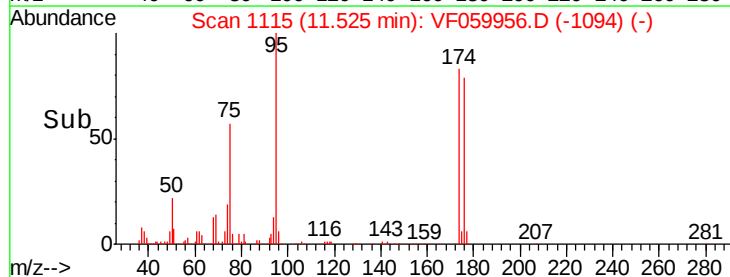
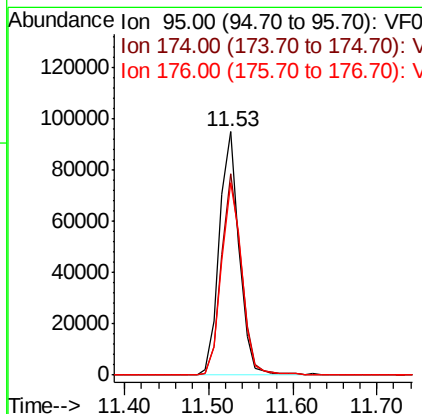
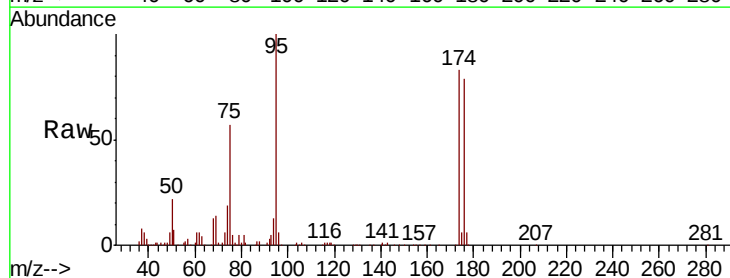
Tgt Ion: 95 Resp: 156073

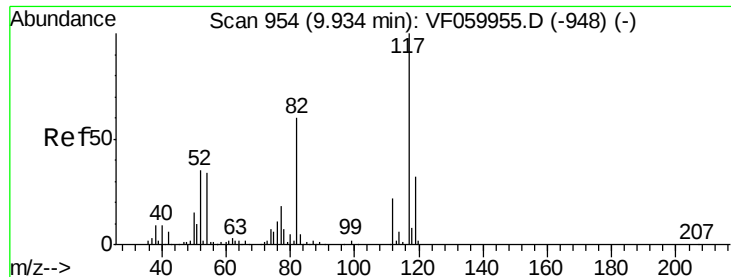
Ion Ratio Lower Upper

95 100

174 82.8 0.0 156.4

176 79.0 0.0 146.8





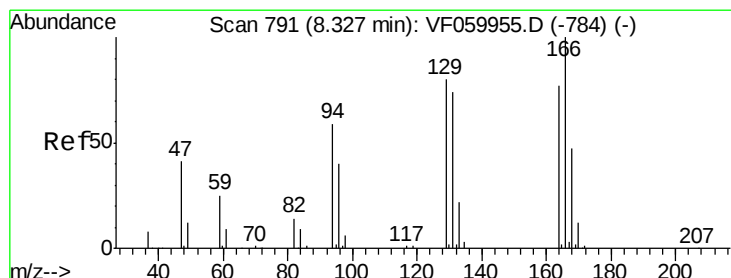
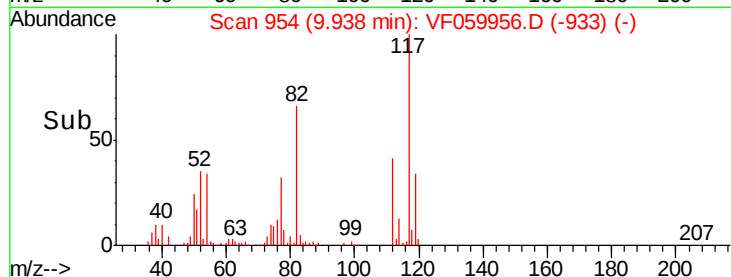
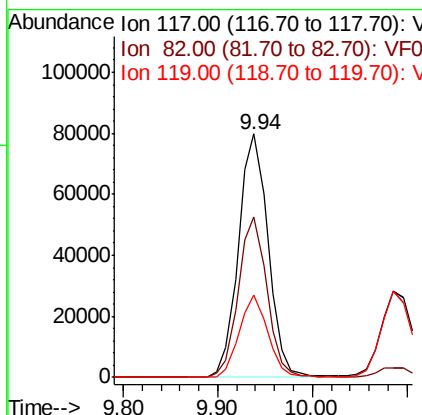
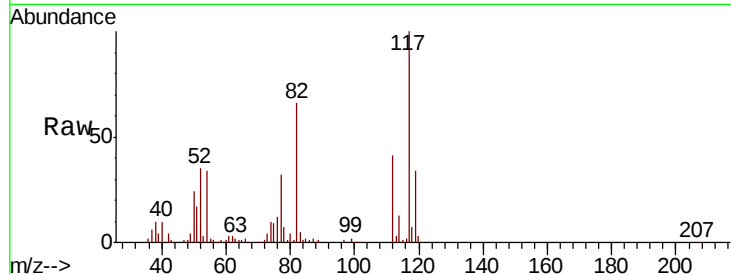
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.1	48.3	72.5
119	34.0	25.7	38.5

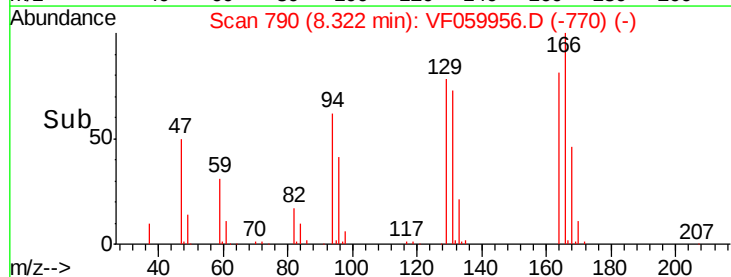
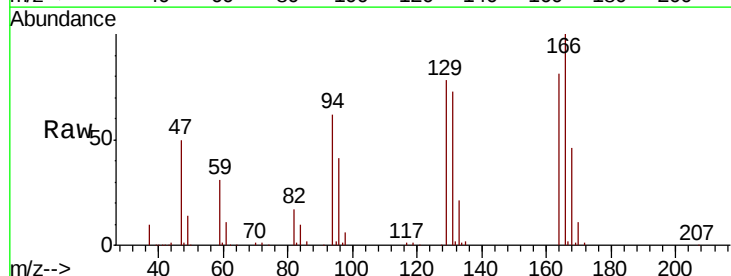
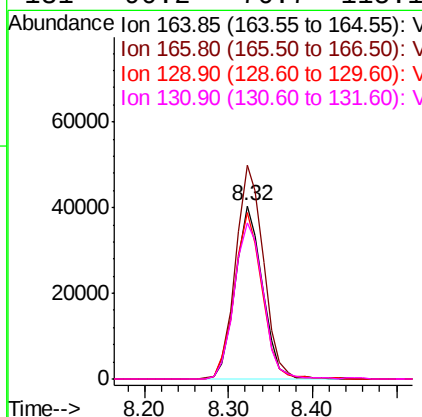
Manual Integrations
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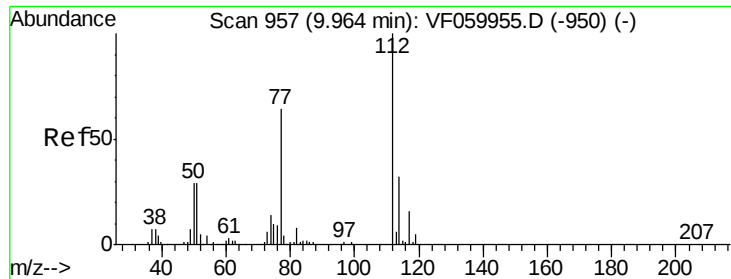
apatel
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#64
Tetrachloroethene
Concen: 62.68 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	103.4	155.2
129	96.0	82.2	123.4
131	90.2	76.7	115.1





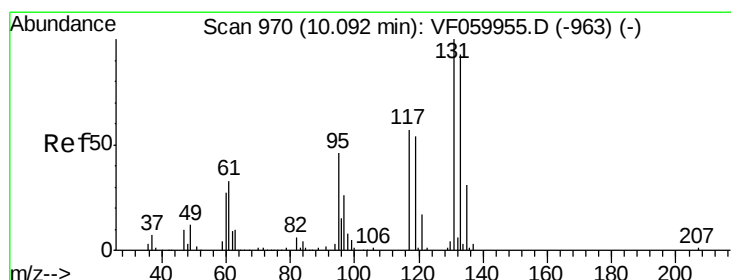
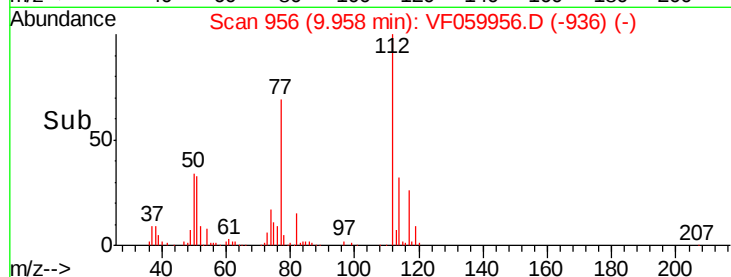
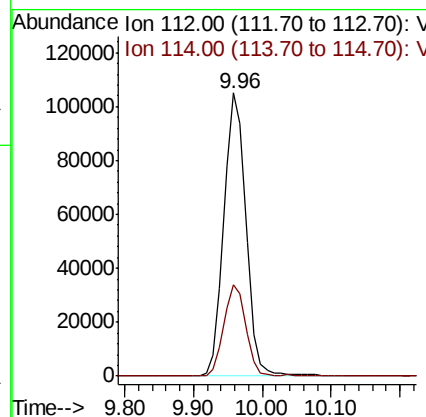
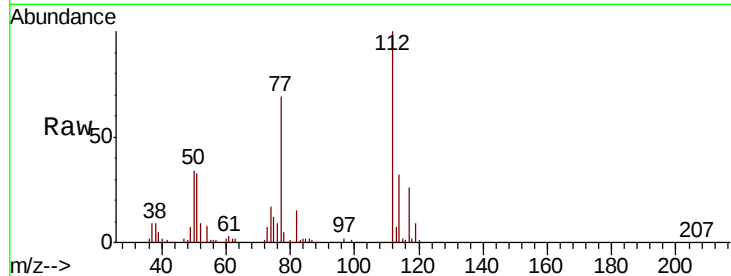
#65
Chlorobenzene
Concen: 67.19 ug/l
RT: 9.96 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
112	100	234054		
114	32.4	25.8	38.6	

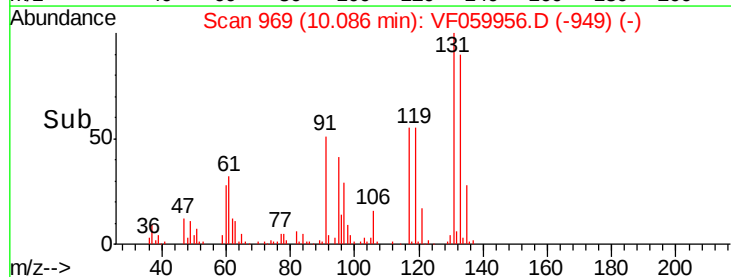
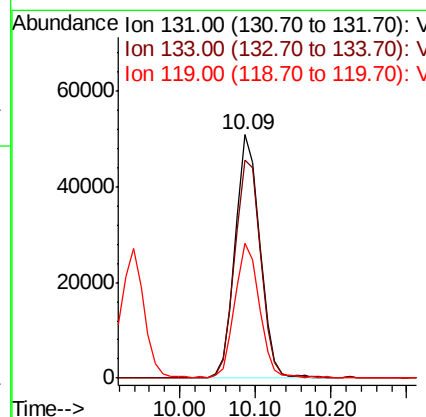
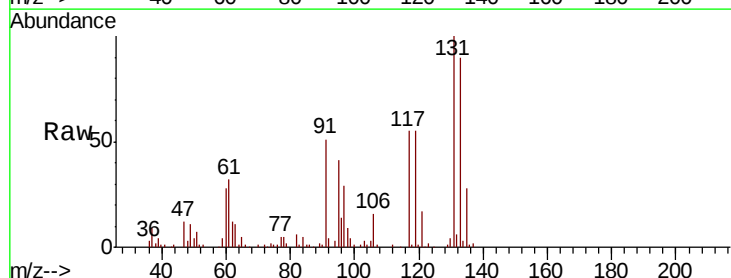
Manual Integrations
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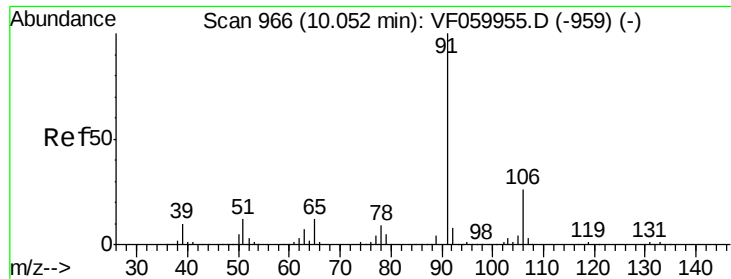
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 66.66 ug/l
RT: 10.09 min Scan# 969
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	114745		
133	89.5	46.4	139.1	
119	55.3	27.2	81.5	





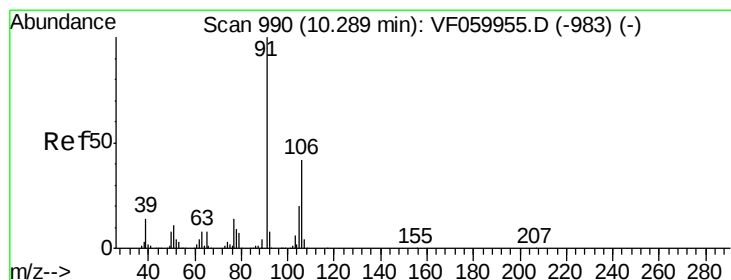
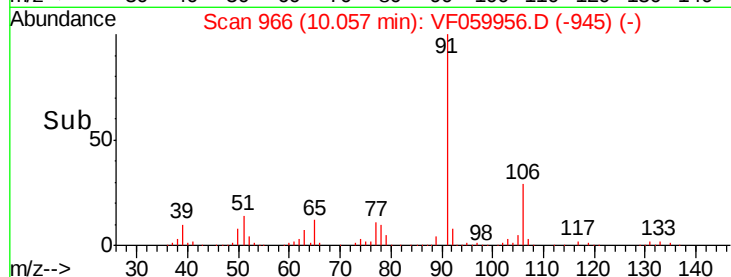
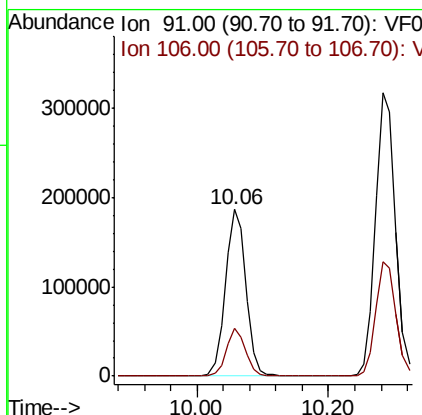
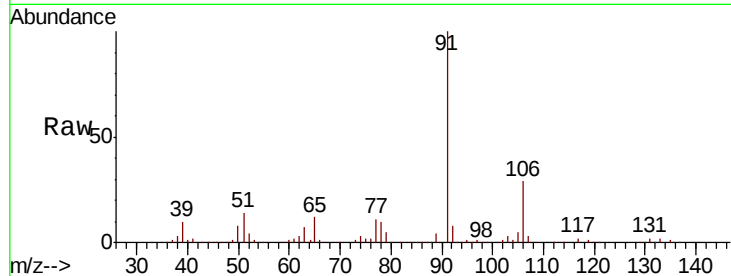
#67
Ethyl Benzene
Concen: 67.63 ug/l
RT: 10.06 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 407813
Ion Ratio Lower Upper
91 100
106 28.9 20.7 31.1

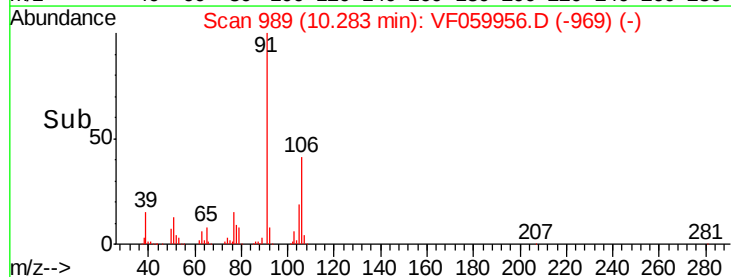
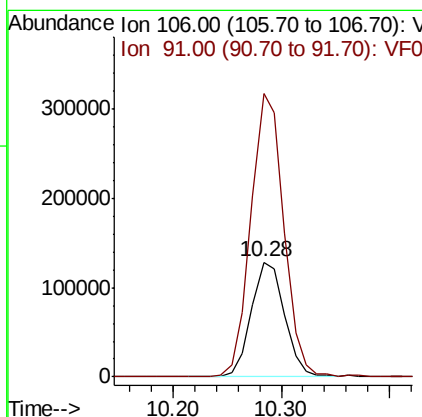
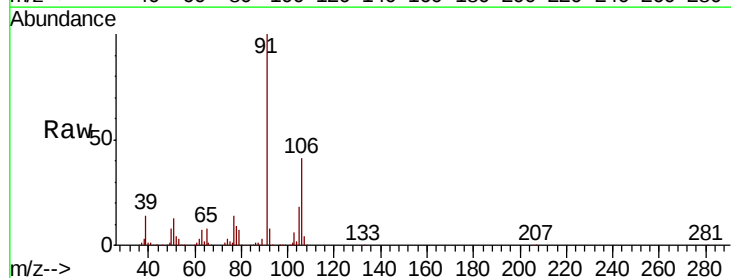
Manual Integrations
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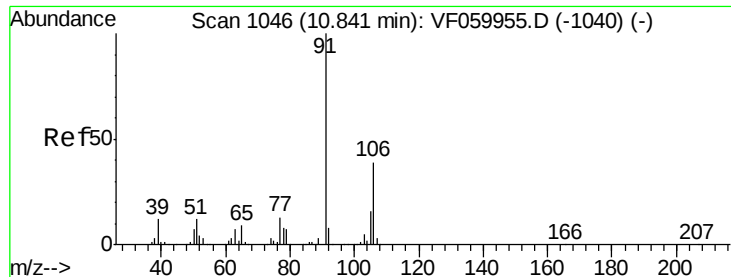
apatel
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#68
m/p-Xylenes
Concen: 131.13 ug/l
RT: 10.28 min Scan# 989
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 106 Resp: 273497
Ion Ratio Lower Upper
106 100
91 246.2 191.8 287.8





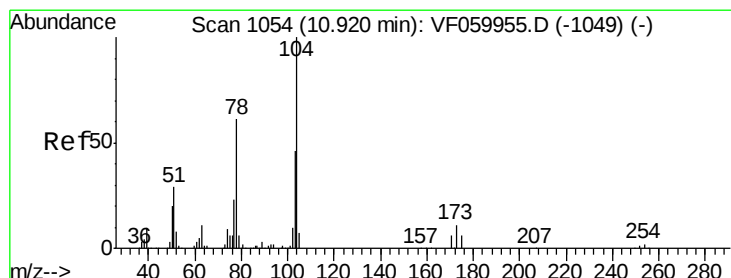
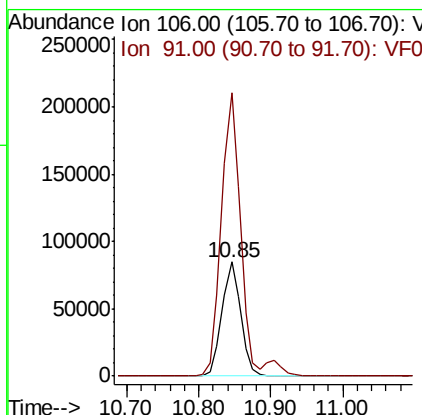
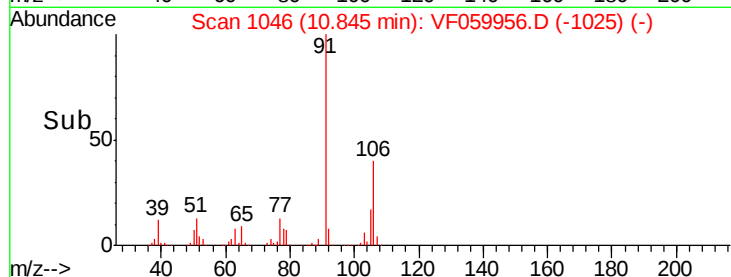
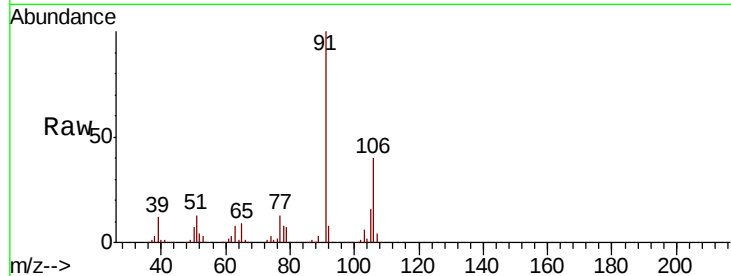
#69
o-Xylene
Concen: 70.57 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	154424		
91	91	248.3	126.8	380.6	

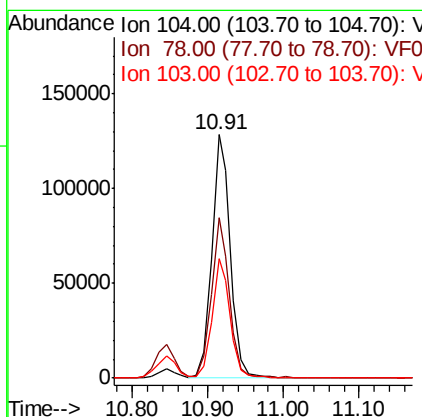
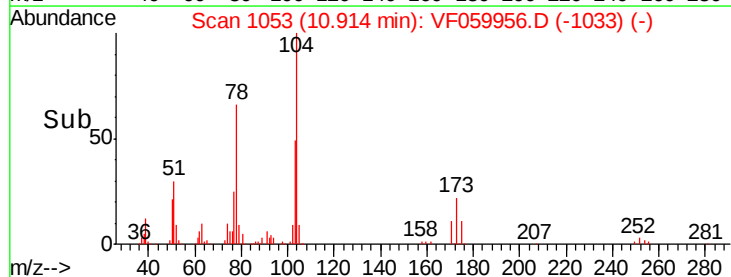
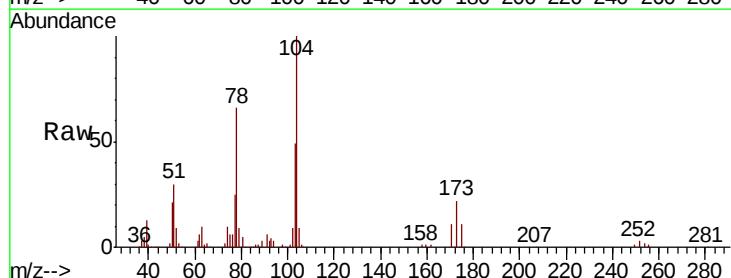
Manual Integrations
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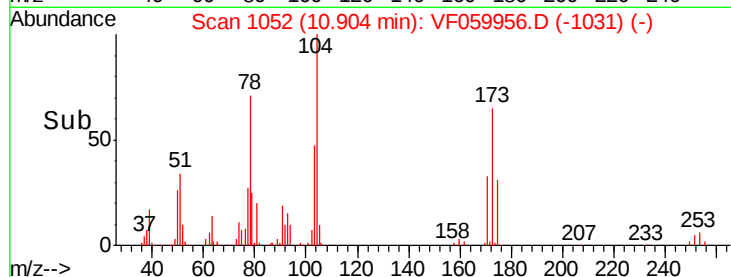
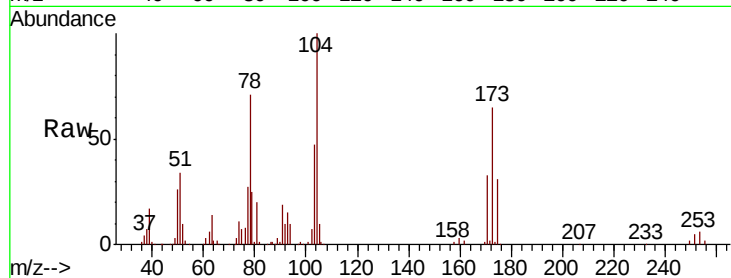
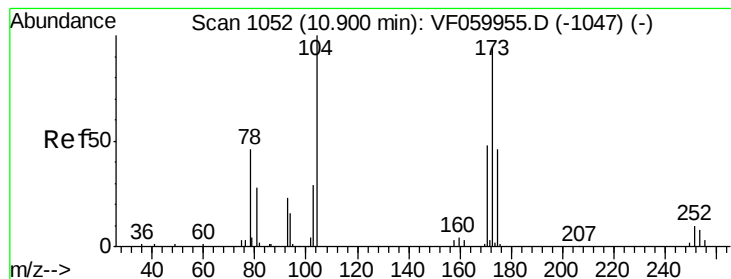
apatel
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#70
Styrene
Concen: 66.81 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	220673		
78	78	65.9	49.2	73.8	
103	103	48.8	37.4	56.0	





#71

Bromoform

Concen: 66.73 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tot Ion:	173	Resp:	70845
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0

Instrument :

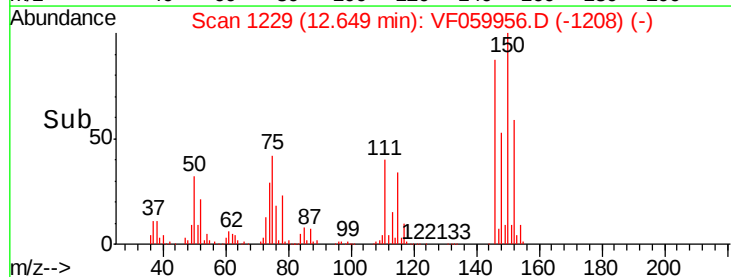
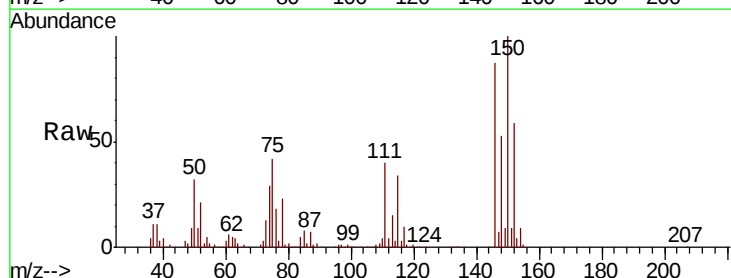
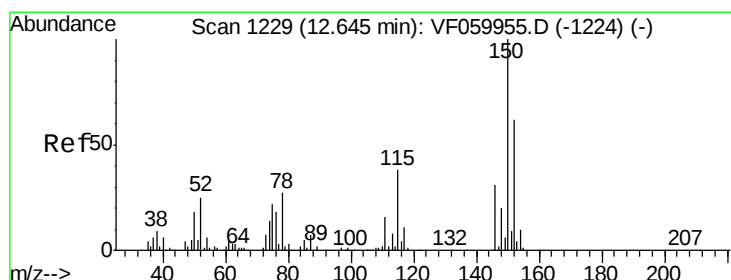
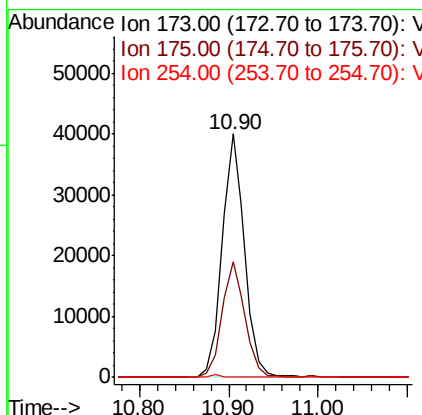
MSVOA_F

ClientSampleId :

VSTDIC075

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

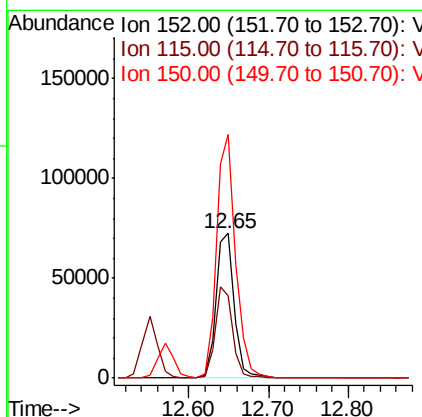
RT: 12.65 min Scan# 1229

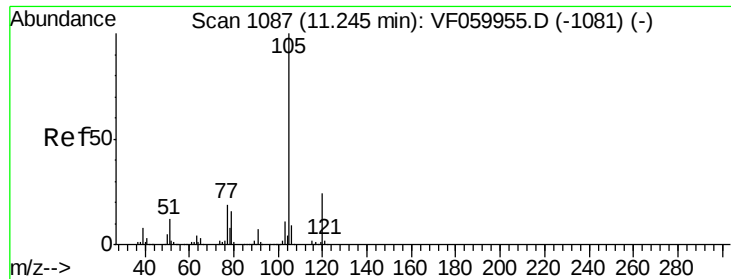
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	152	Resp:	117001
Ion Ratio	Lower	Upper	
152	100		
115	56.9	31.4	94.0
150	168.4	0.0	326.2





#73

Isopropylbenzene

Concen: 70.48 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 105 Resp: 510325

Ion Ratio Lower Upper

105 100

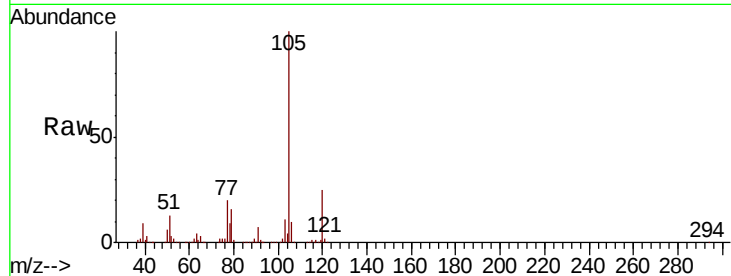
120 24.7 11.9 35.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

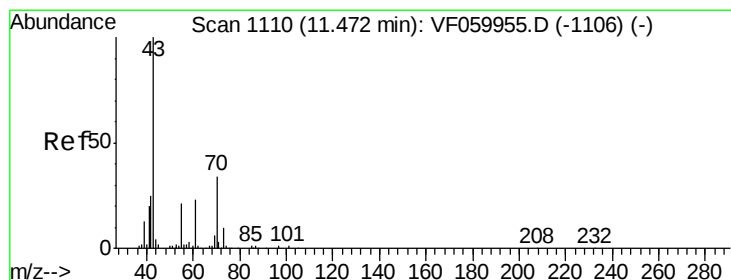
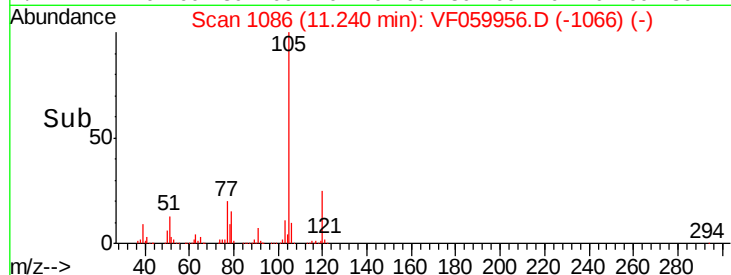
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 65.08 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion: 43 Resp: 119031

Ion Ratio Lower Upper

43 100

70 34.3 26.9 40.3

55 21.7 16.9 25.3

61 24.0 18.1 27.1

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

120000

100000

80000

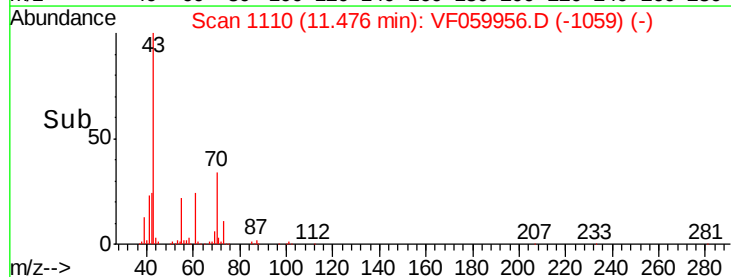
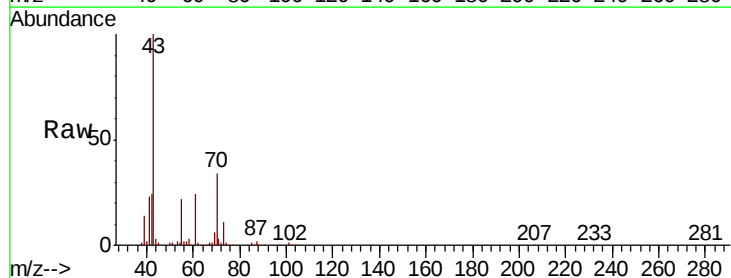
60000

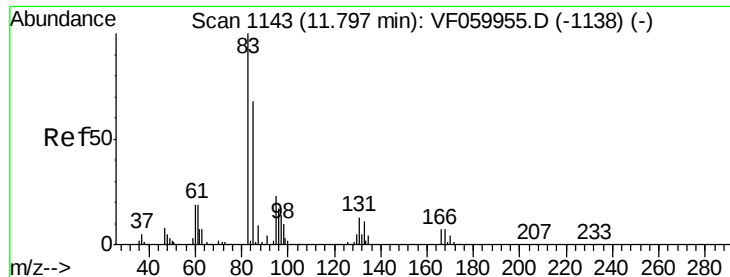
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 59.65 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

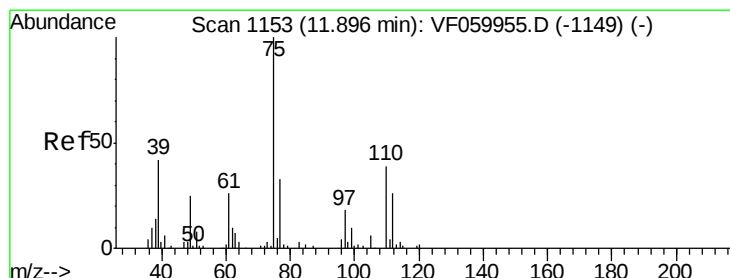
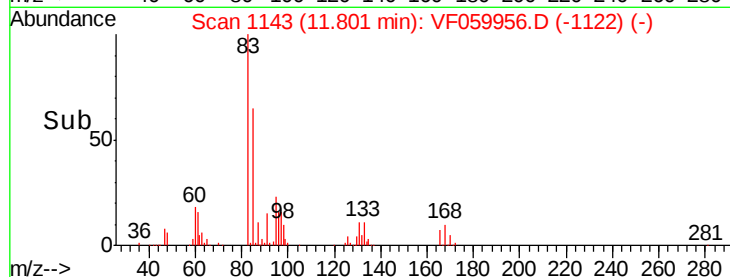
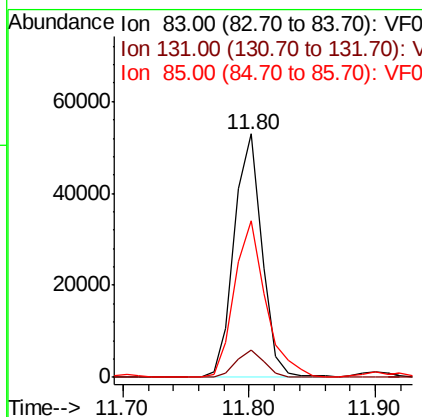
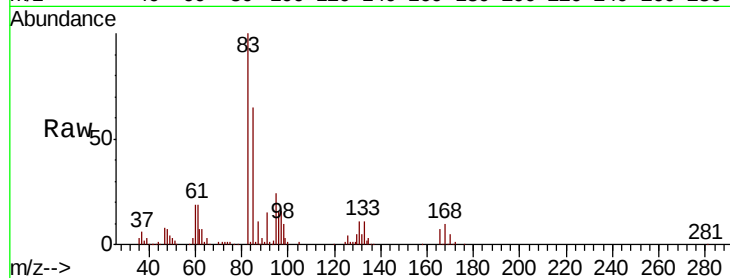
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	80488
Ion Ratio	Lower	Upper	
83	100		
131	11.3	6.3	19.1
85	64.6	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 62.07 ug/l

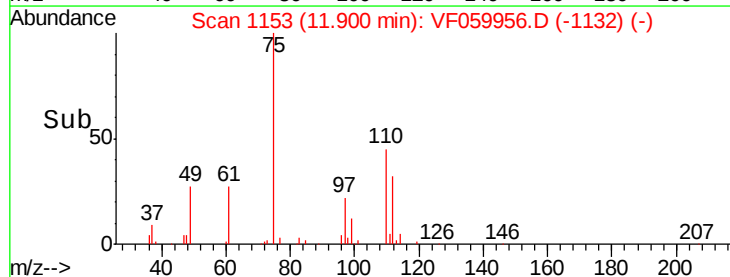
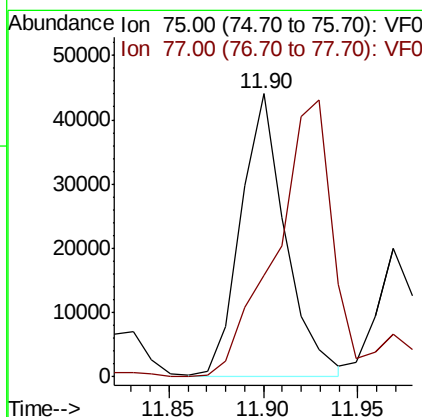
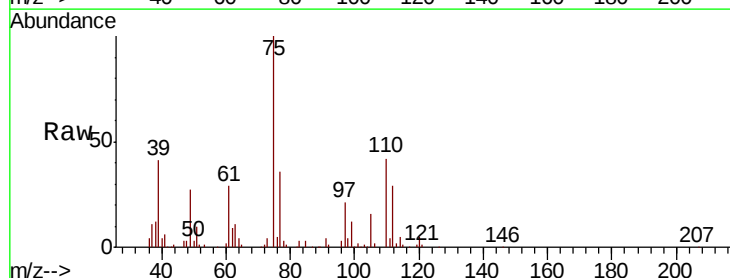
RT: 11.90 min Scan# 1153

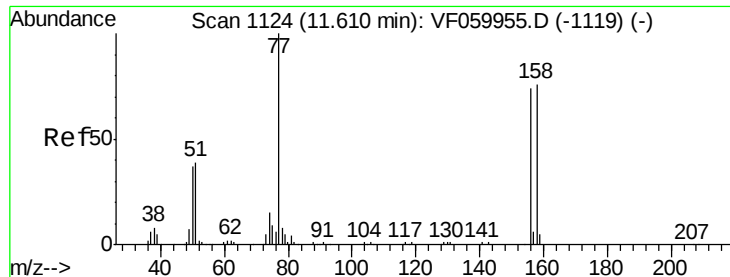
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	75	Resp:	72317
Ion Ratio	Lower	Upper	
75	100		
77	35.8	16.6	49.7





#77

Bromobenzene

Concen: 65.67 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:156 Resp: 129656

Ion Ratio Lower Upper

156 100

77 162.0 67.8 203.2

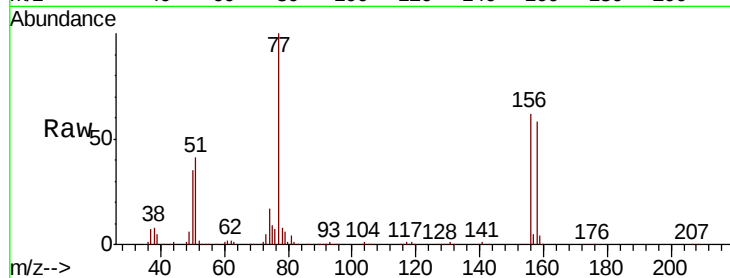
158 93.4 51.7 155.2

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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

150000

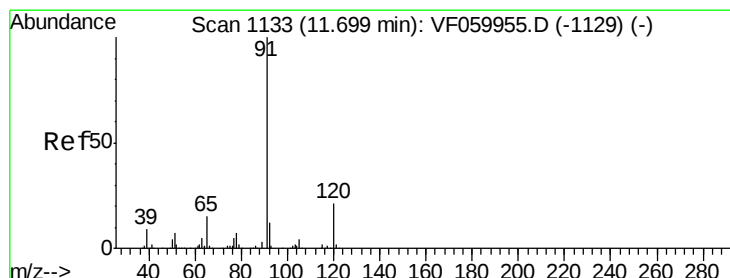
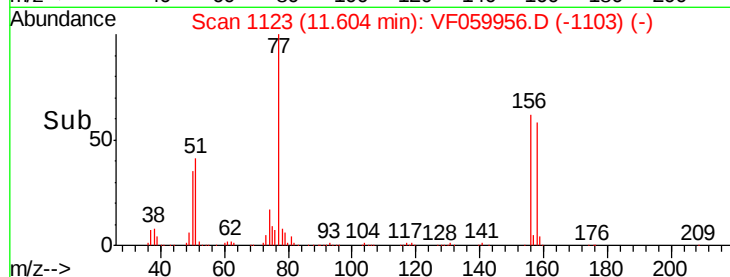
100000

50000

0

11.50 11.60 11.70 11.80

Time-->



#78

n-propylbenzene

Concen: 66.28 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059956.D

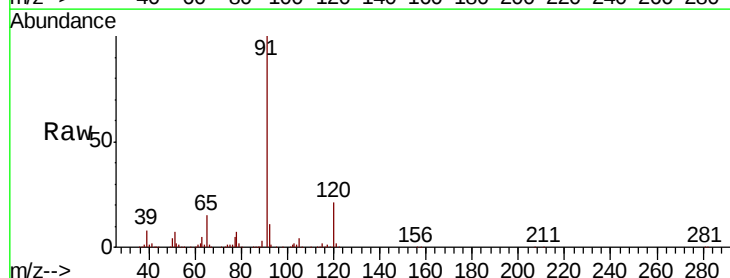
Acq: 14 Aug 2018 20:32

Tgt Ion: 91 Resp: 567803

Ion Ratio Lower Upper

91 100

120 21.5 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

400000

300000

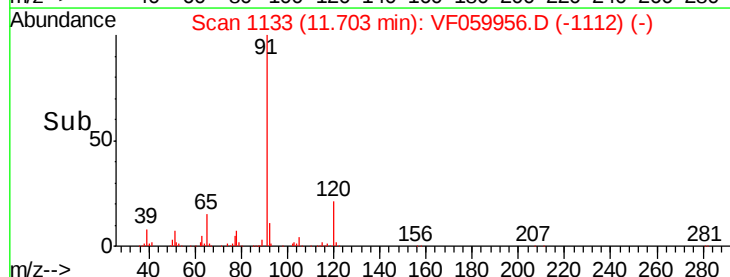
200000

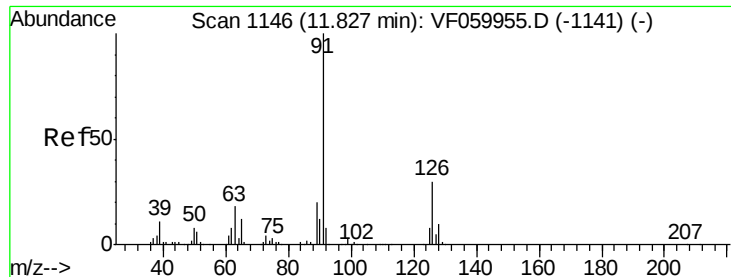
100000

0

11.70 11.80

Time-->





#79

2-Chlorotoluene

Concen: 65.26 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 351876

Ion Ratio Lower Upper

91 100

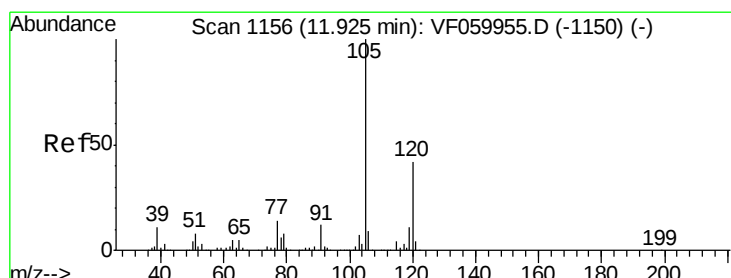
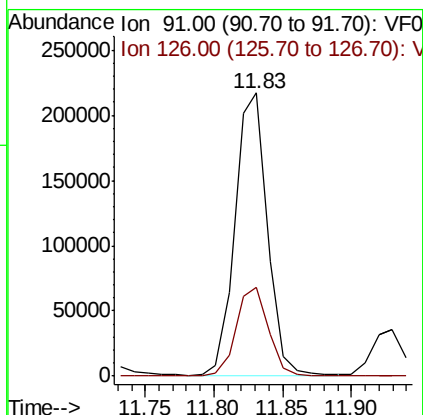
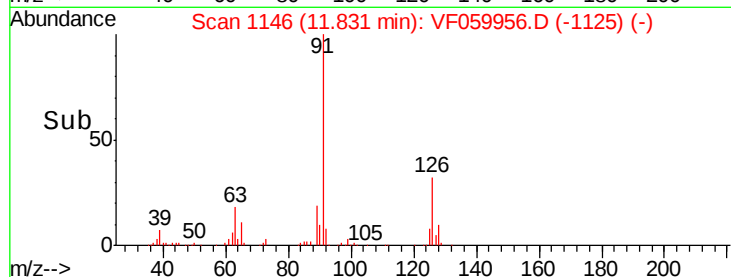
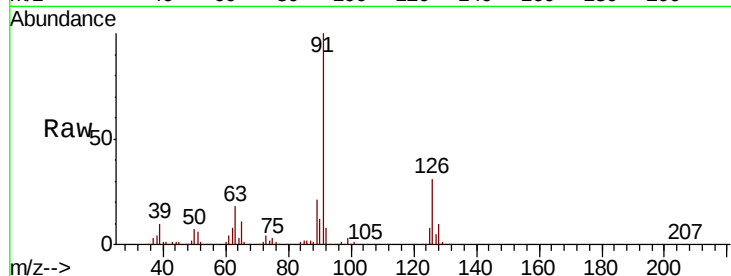
126 31.5 15.2 45.5

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#80

1,3,5-Trimethylbenzene

Concen: 67.91 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF059956.D

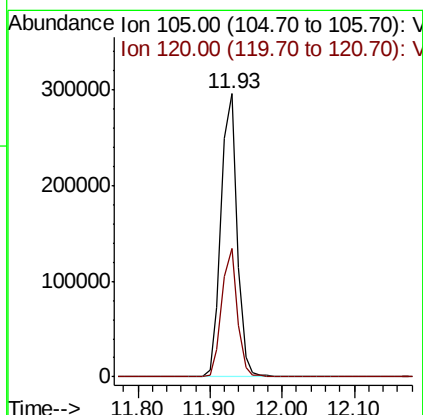
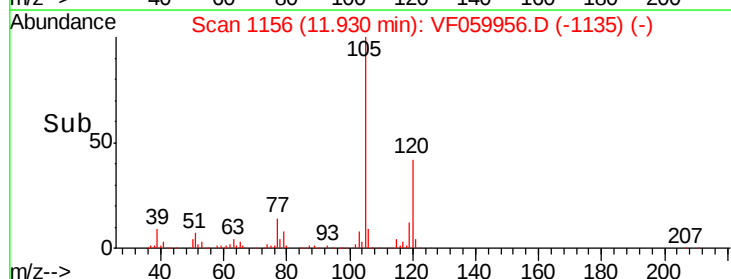
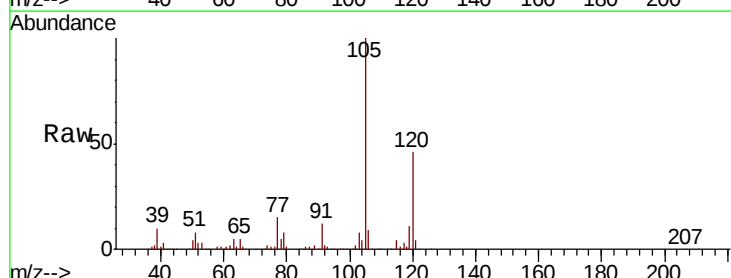
Acq: 14 Aug 2018 20:32

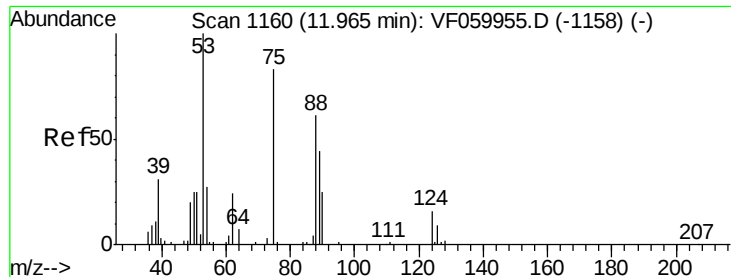
Tgt Ion: 105 Resp: 456336

Ion Ratio Lower Upper

105 100

120 45.5 21.1 63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 64.74 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

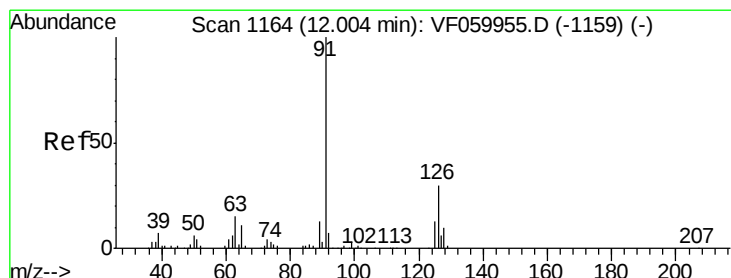
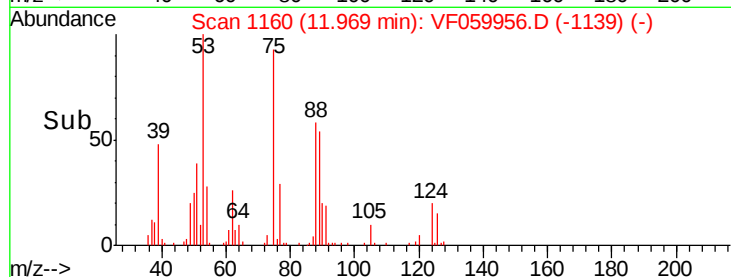
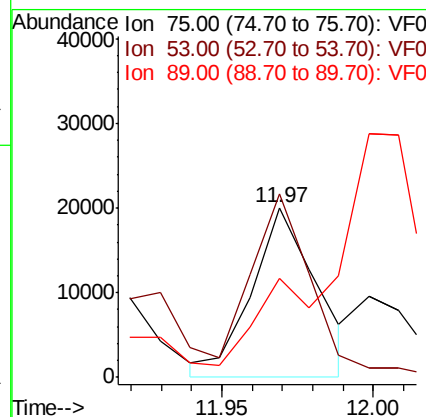
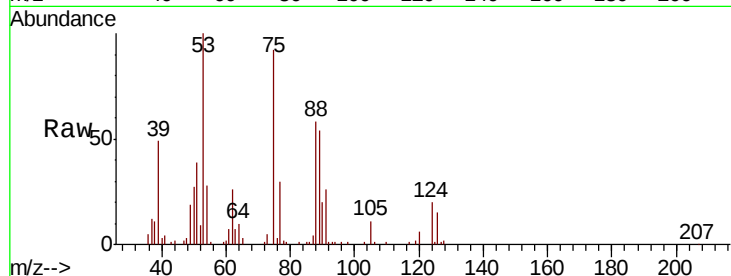
ClientSampleId :

VSTDIC075

Tot Ion:	75	Resp:	29977
Ion	Ratio	Lower	Upper
75	100		
53	108.2	97.1	145.7
89	58.5	43.6	65.4

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#82

4-Chlorotoluene

Concen: 64.53 ug/l

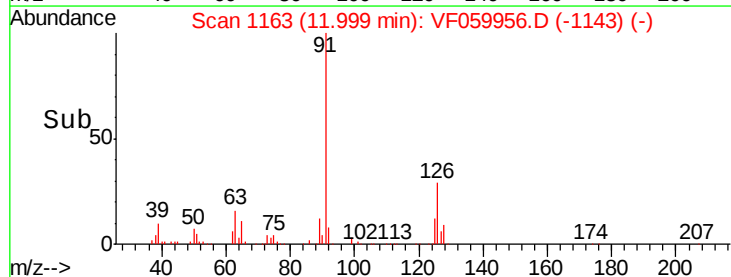
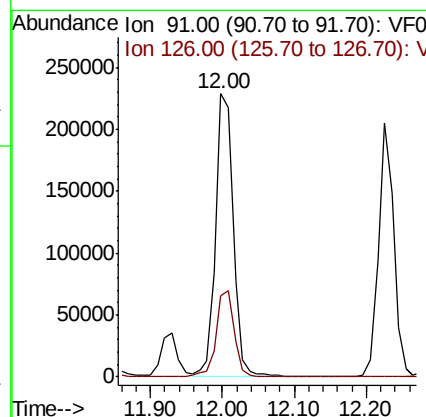
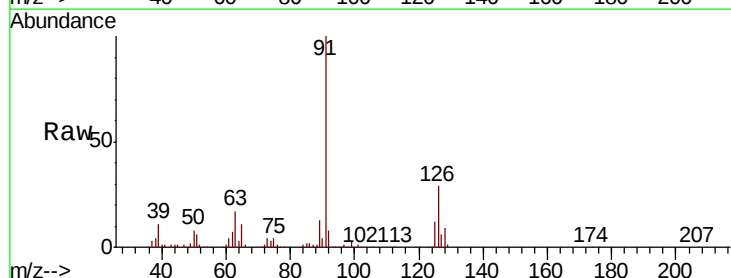
RT: 12.00 min Scan# 1163

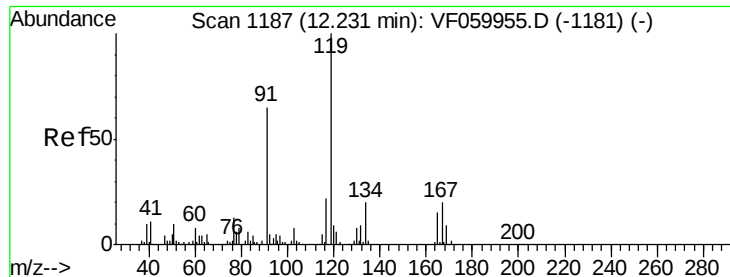
Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	91	Resp:	382385
Ion	Ratio	Lower	Upper
91	100		
126	28.6	15.3	45.8





#83

tert-Butylbenzene

Concen: 68.97 ug/l

RT: 12.23 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

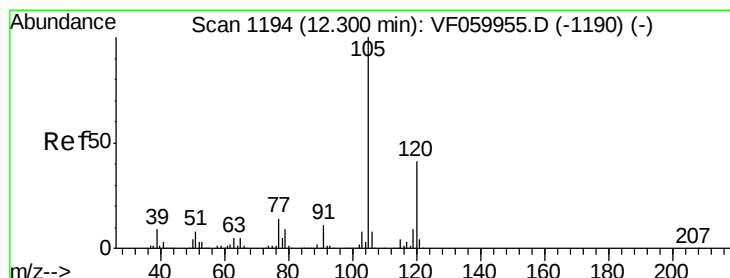
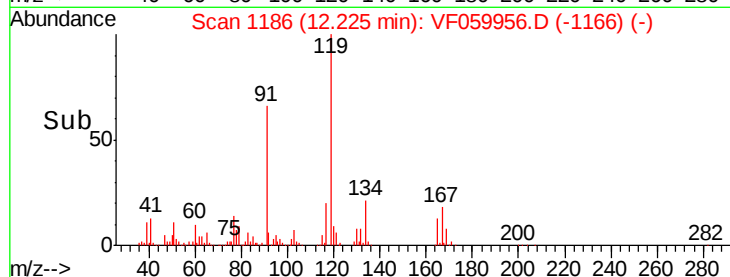
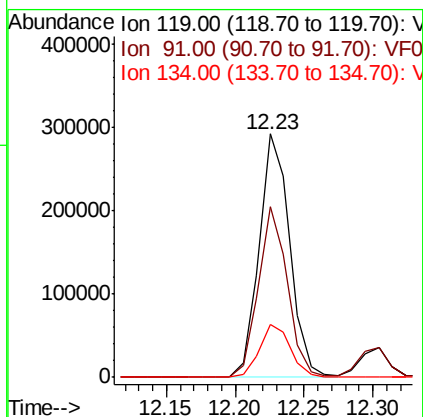
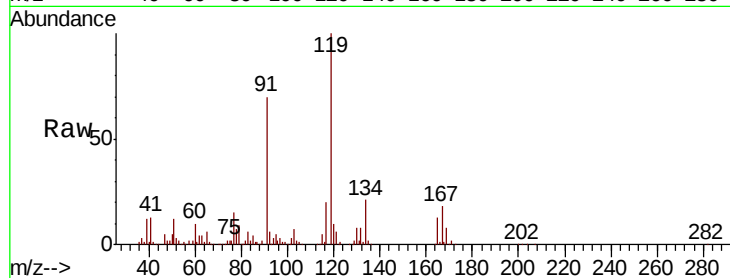
ClientSampleId :

VSTDIC075

Tot Ion:	119	Resp:	453953
Ion Ratio	Lower	Upper	
119	100		
91	70.3	32.6	98.0
134	21.5	10.1	30.3

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#84

1,2,4-Trimethylbenzene

Concen: 66.76 ug/l

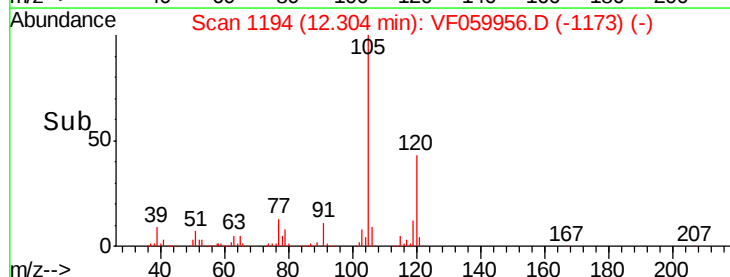
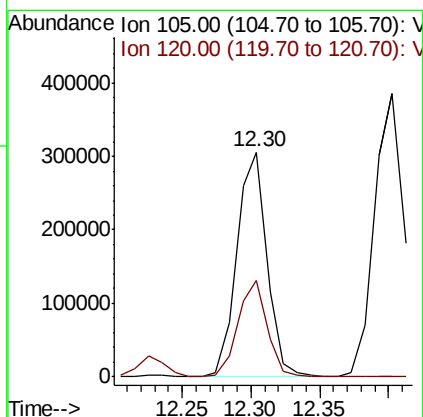
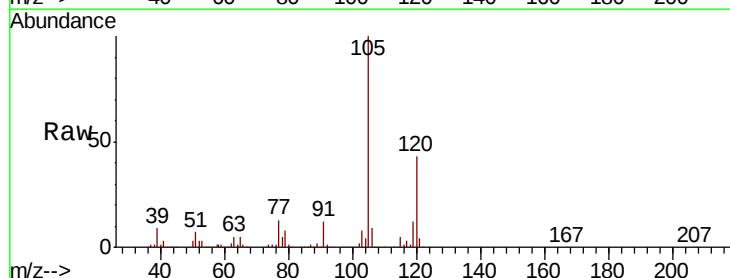
RT: 12.30 min Scan# 1194

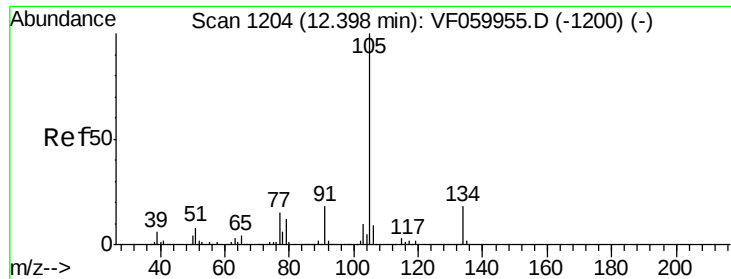
Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion:	105	Resp:	464991
Ion Ratio	Lower	Upper	
105	100		
120	42.9	20.6	61.9





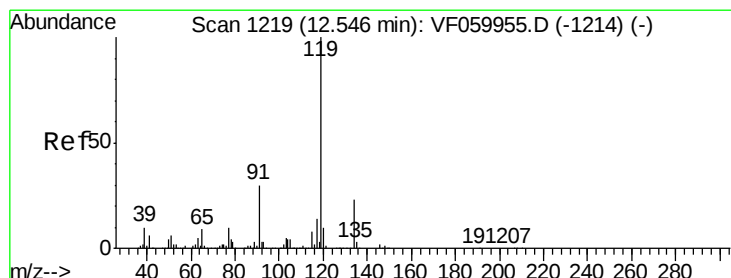
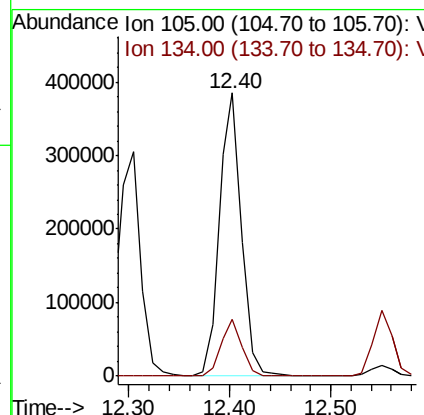
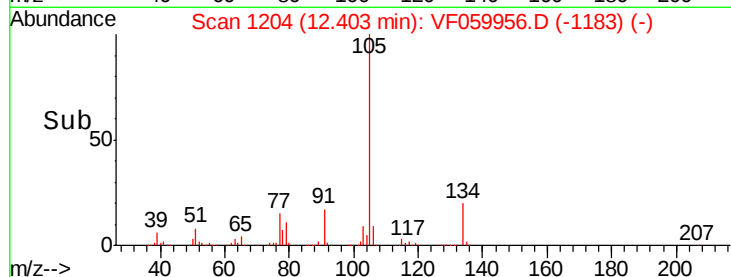
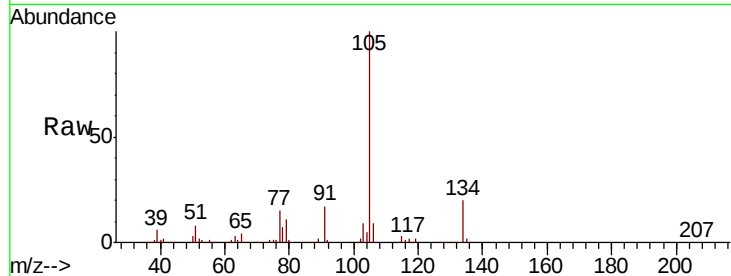
#85
 sec-Butylbenzene
 Concen: 66.73 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
105	100	582469		
134	20.0	8.9	26.7	

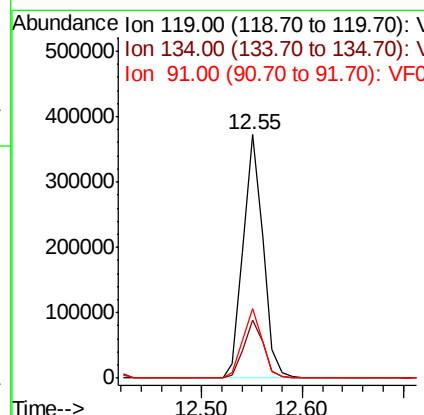
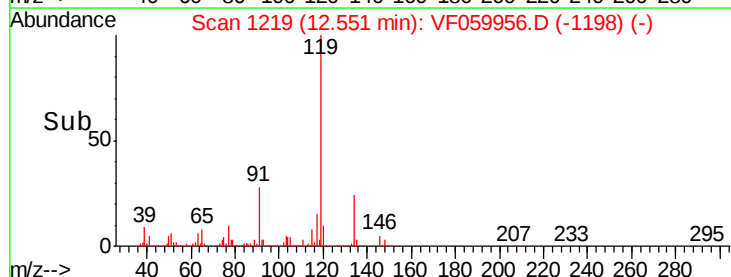
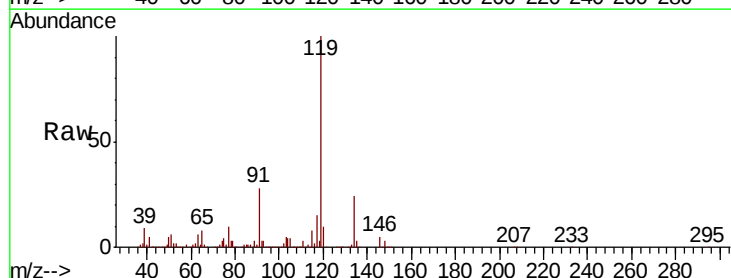
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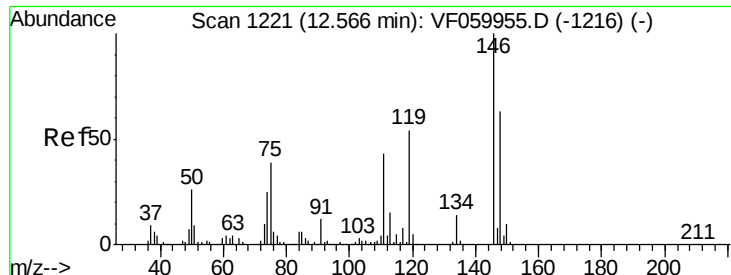
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#86
 p-Isopropyltoluene
 Concen: 69.77 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	510196		
134	24.1	11.4	34.2	
91	28.5	14.8	44.4	





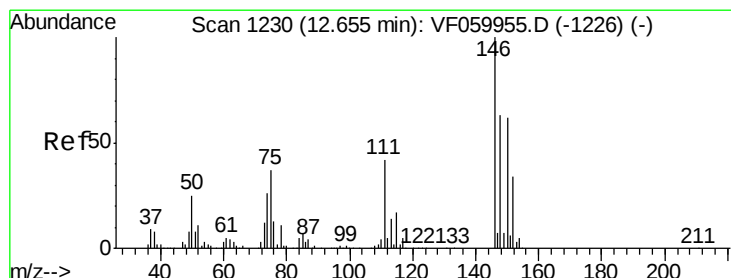
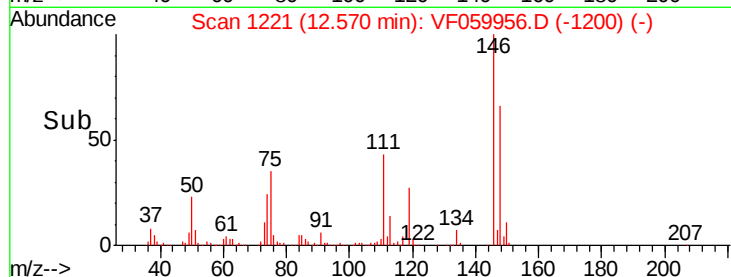
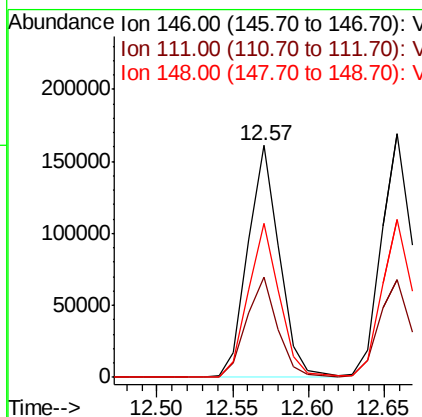
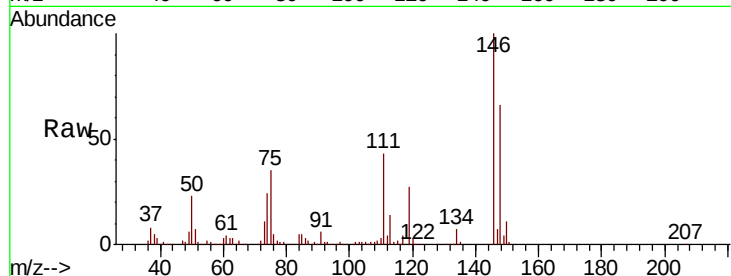
#87
 1,3-Dichlorobenzene
 Concen: 62.91 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.9
148	66.2	31.4	94.3

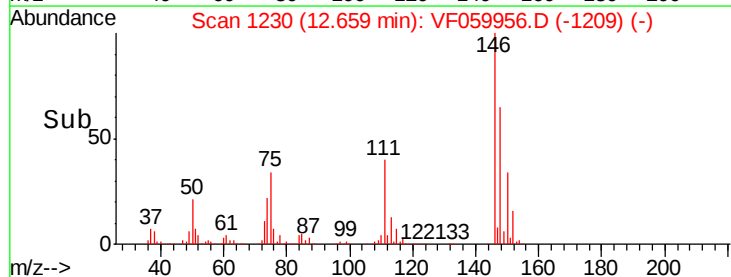
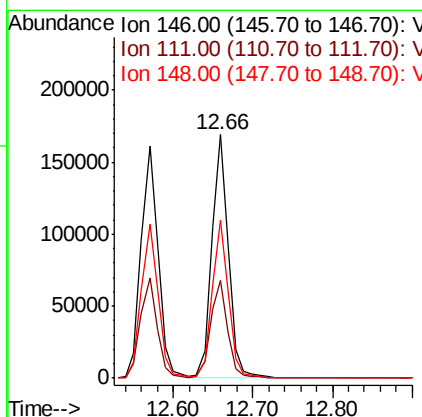
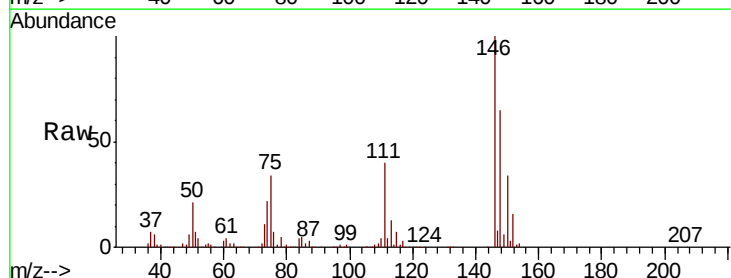
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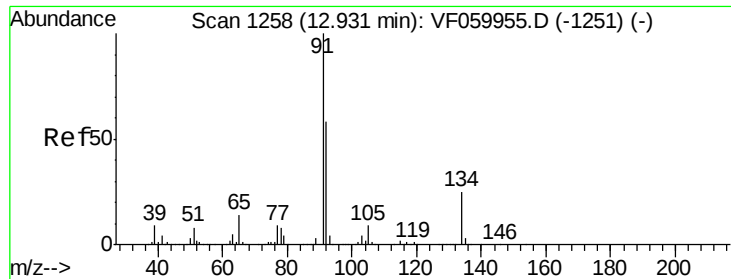
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#88
 1,4-Dichlorobenzene
 Concen: 67.63 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.1	63.1
148	64.7	31.7	95.1





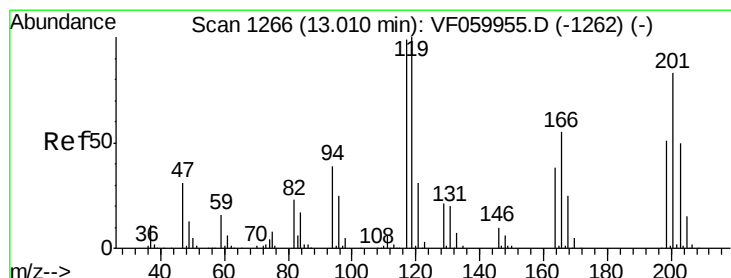
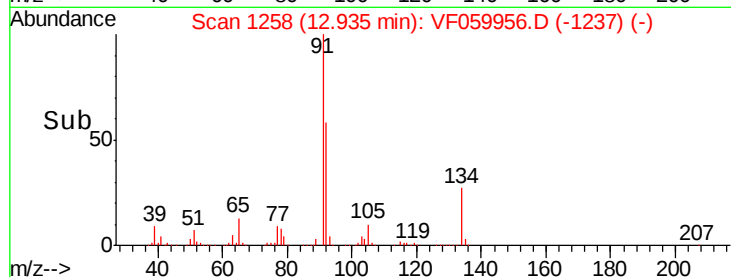
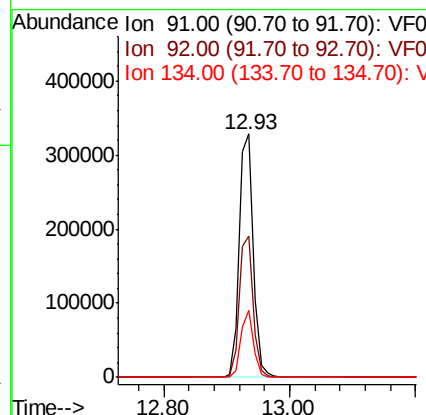
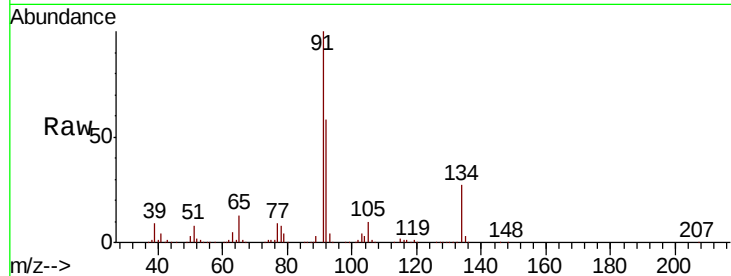
#89
n-Butylbenzene
Concen: 70.18 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.2	29.2	87.6
134	27.3	12.8	38.3

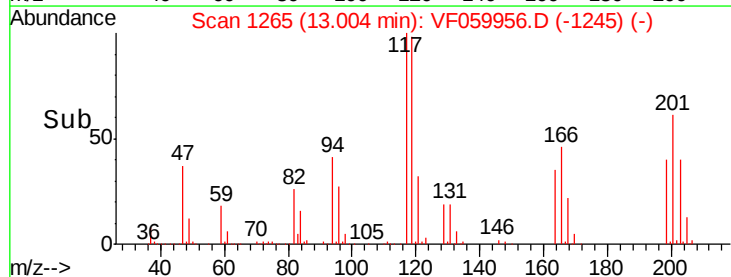
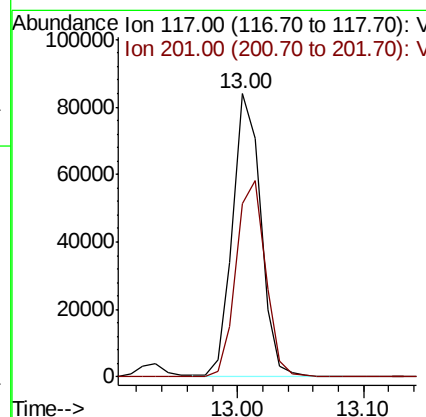
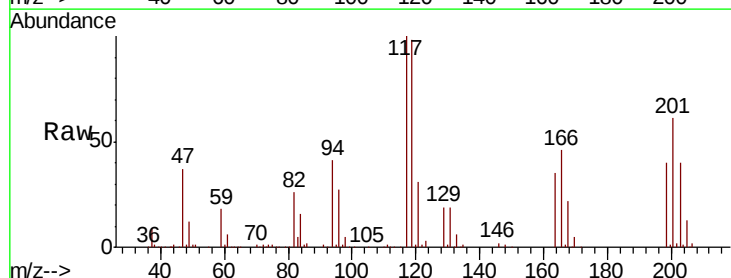
Manual Integrations
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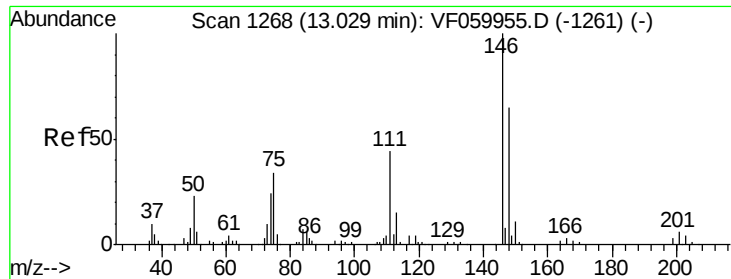
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#90
Hexachloroethane
Concen: 64.85 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.2	41.8	125.3





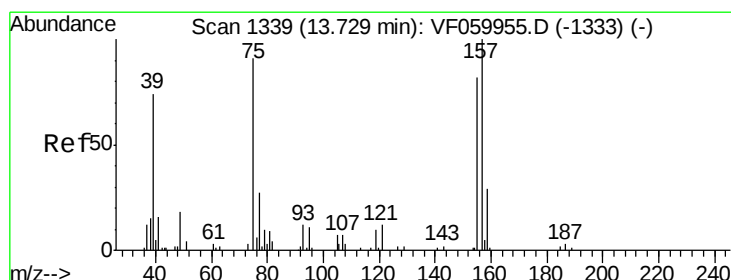
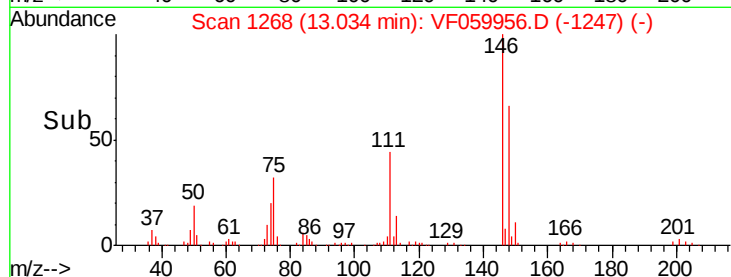
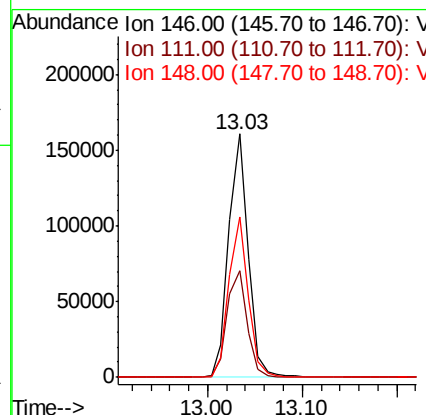
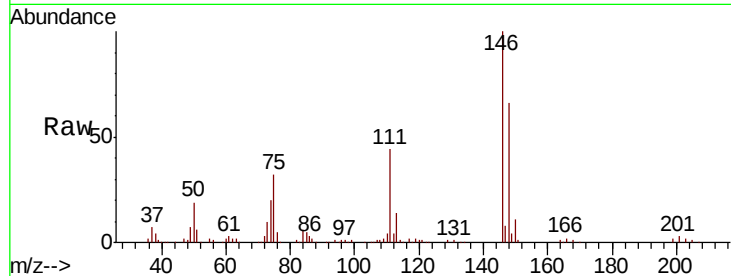
#91
 1,2-Dichlorobenzene
 Concen: 64.10 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
146	100	229756		
111	43.8	22.0	66.0	
148	66.1	32.4	97.0	

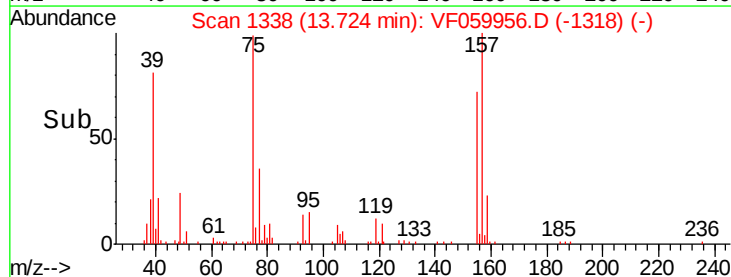
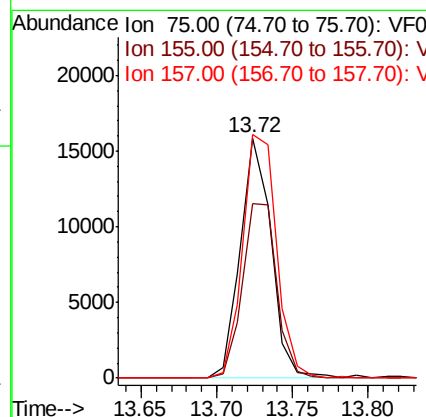
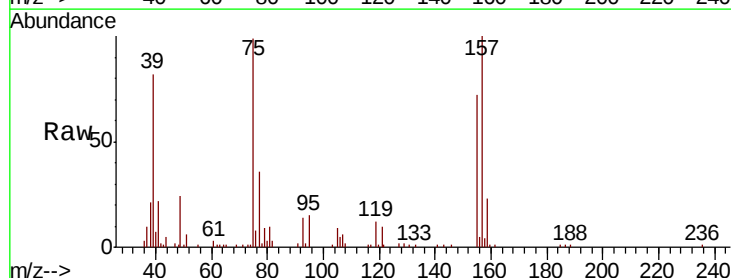
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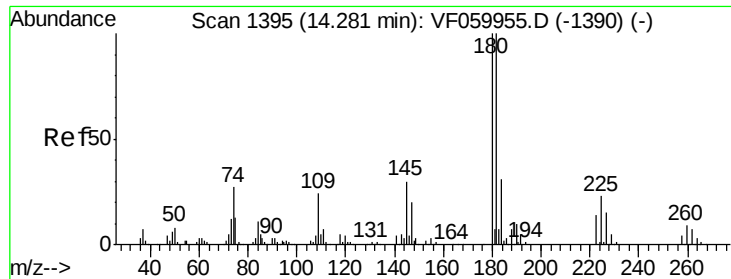
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.25 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22563		
155	72.8	44.6	134.0	
157	101.3	54.8	164.3	





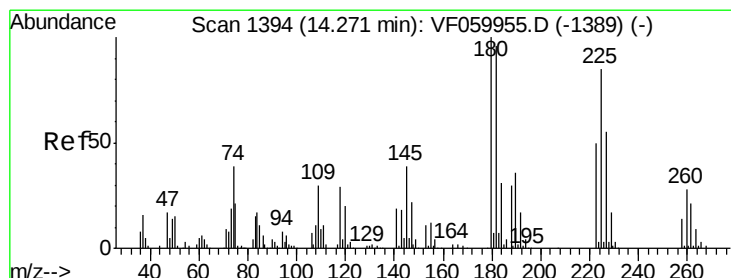
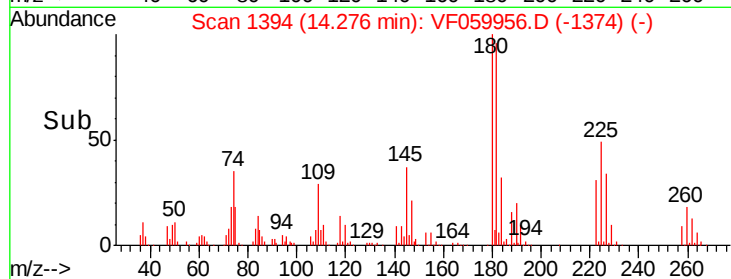
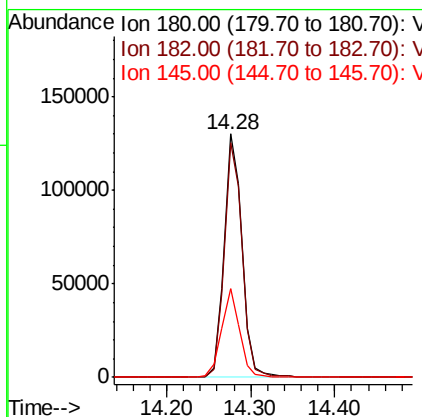
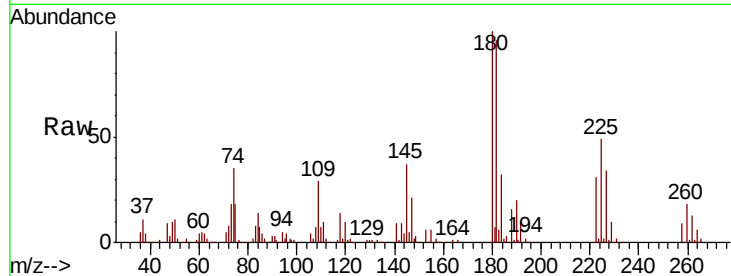
#93
 1,2,4-Trichlorobenzene
 Concen: 69.69 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	192186		
182	96.4	50.2	150.7	
145	36.6	14.9	44.9	

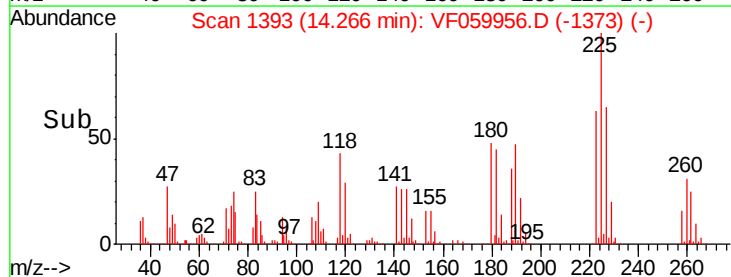
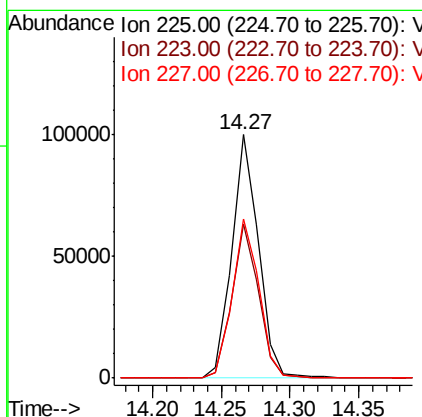
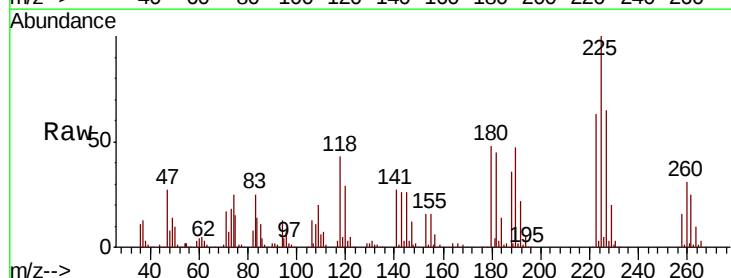
Manual Integrations
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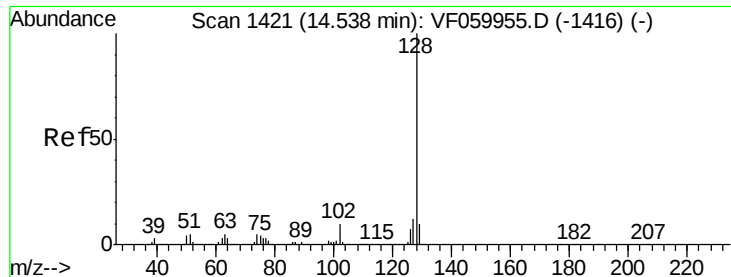
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#94
 Hexachlorobutadiene
 Concen: 69.19 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135054		
223	63.2	29.6	88.8	
227	65.3	32.5	97.5	





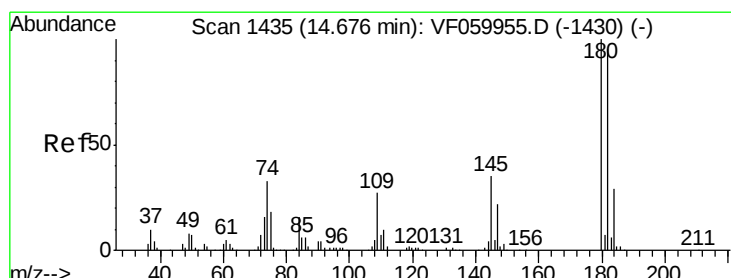
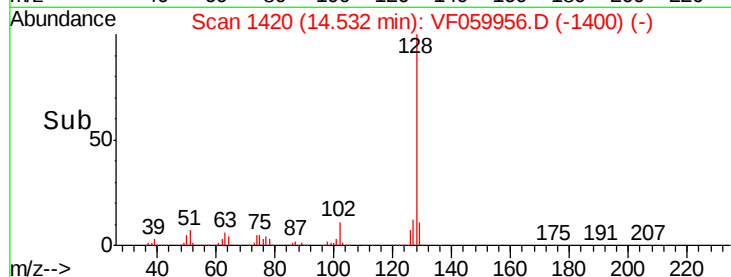
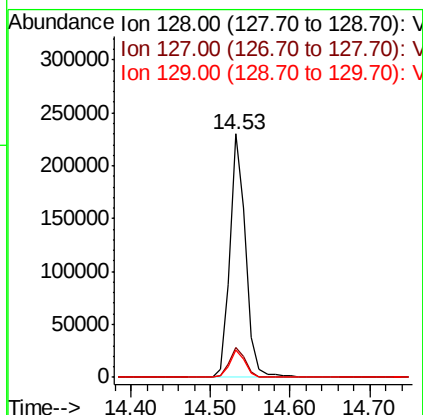
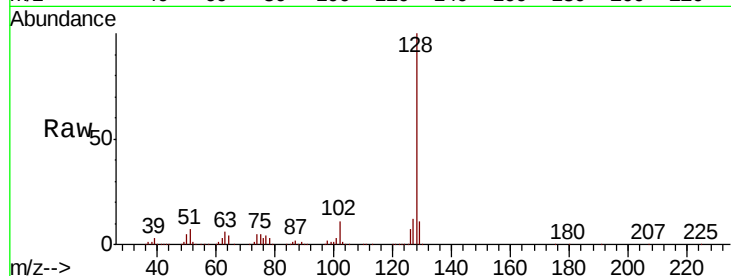
#95
Naphthalene
Concen: 68.23 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		321948		
127	12.3		9.9	14.9	
129	11.1		8.4	12.6	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 68.74 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		185428		
182	98.0		47.5	142.6	
145	33.6		17.6	52.8	

