

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059514.D
 Acq On : 17 Jul 2018 18:28
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
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 7/18/2018 3:16:14 PM

Quant Time: Jul 18 02:25:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	267702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	380614	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	371362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	219874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	295291	73.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.16%	
35) Dibromofluoromethane	4.31	113	230557	69.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.50%	
50) Toluene-d8	7.72	98	561924	68.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.46%	
62) 4-Bromofluorobenzene	11.52	95	306404	70.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	214332	70.34	ug/l	99
3) Chloromethane	1.09	50	114289	66.54	ug/l	99
4) Vinyl Chloride	1.15	62	117116	65.46	ug/l	96
5) Bromomethane	1.35	94	82666	66.34	ug/l	100
6) Chloroethane	1.43	64	61730	65.94	ug/l #	84
7) Trichlorofluoromethane	1.53	101	298879	72.78	ug/l	95
8) Diethyl Ether	1.71	74	53803	65.40	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	111316	57.07	ug/l	97
10) Methyl Iodide	1.97	142	218640	66.50	ug/l	98
11) Tert butyl alcohol	2.70	59	62542	333.71	ug/l	98
12) 1,1-Dichloroethene	1.86	96	127181	67.51	ug/l	98
13) Acrolein	2.10	56	25347	242.08	ug/l	94
14) Allyl chloride	2.20	41	156992	63.54	ug/l	99
15) Acrylonitrile	3.08	53	122079	352.99	ug/l	98
16) Acetone	2.34	43	232861	339.29	ug/l	97
17) Carbon Disulfide	1.88	76	328361	64.21	ug/l	98
18) Methyl Acetate	2.46	43	97917	69.49	ug/l #	91
19) Methyl tert-butyl Ether	2.55	73	417628	67.77	ug/l	96
20) Methylene Chloride	2.32	84	123630m	50.31	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	116901	68.11	ug/l	92
22) Diisopropyl ether	2.93	45	466253	65.82	ug/l	98
23) Vinyl Acetate	3.35	43	1387003	336.95	ug/l	100
24) 1,1-Dichloroethane	3.01	63	297340	73.94	ug/l	98
25) 2-Butanone	4.53	43	322124	322.89	ug/l	98
26) 2,2-Dichloropropane	3.77	77	177988	65.95	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	144744	61.70	ug/l	97
28) Bromochloromethane	3.90	49	126509	67.85	ug/l	99
29) Tetrahydrofuran	4.27	42	139004	324.37	ug/l	98
30) Chloroform	4.05	83	410520	67.97	ug/l	97
31) Cyclohexane	3.87	56	150046m	66.06	ug/l	
32) 1,1,1-Trichloroethane	4.28	97	265564	63.39	ug/l	93
36) 1,1-Dichloropropene	4.47	75	264427	68.22	ug/l	98
37) Ethyl Acetate	4.31	43	149230	62.90	ug/l	97
38) Carbon Tetrachloride	4.18	117	295428	65.73	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	189331	64.86	ug/l	96
40) Benzene	4.83	78	498672	66.21	ug/l	99
41) Methacrylonitrile	4.95	41	75533	66.04	ug/l #	87
42) 1,2-Dichloroethane	5.13	62	344932	71.54	ug/l	99
43) Isopropyl Acetate	7.13	43	254942	89.73	ug/l #	80
44) Trichloroethene	5.68	130	176251	64.92	ug/l	89
45) 1,2-Dichloropropane	6.41	63	144621	67.71	ug/l	97
46) Dibromomethane	6.27	93	134719	70.60	ug/l	96
47) Bromodichloromethane	6.56	83	331907	68.07	ug/l	98
48) Methyl methacrylate	6.89	41	148041	72.30	ug/l	99
49) 1,4-Dioxane	6.88	88	11658	1258.82	ug/l	97
51) 4-Methyl-2-Pentanone	8.42	43	683437	342.90	ug/l	99
52) Toluene	7.79	92	367800	67.91	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	301509	69.97	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	309134	69.14	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	146515	67.92	ug/l	95
56) Ethyl methacrylate	8.78	69	185507	68.28	ug/l	95
57) 1,3-Dichloropropane	9.02	76	257435	70.15	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	72656	320.27	ug/l	100
59) 2-Hexanone	9.65	43	533587	341.22	ug/l	95
60) Dibromochloromethane	8.88	129	253947	72.54	ug/l	99
61) 1,2-Dibromoethane	9.15	107	187624	71.87	ug/l	99
64) Tetrachloroethene	8.32	164	194102	66.29	ug/l	95
65) Chlorobenzene	9.95	112	463674	66.38	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	215413	68.12	ug/l	97
67) Ethyl Benzene	10.05	91	827328	66.39	ug/l	100
68) m/p-Xylenes	10.28	106	553131	123.92	ug/l	98
69) o-Xylene	10.84	106	299852	64.64	ug/l	92
70) Styrene	10.91	104	472168	64.34	ug/l	99
71) Bromoform	10.90	173	159817	69.32	ug/l #	100
73) Isopropylbenzene	11.23	105	923676	65.85	ug/l	99
74) N-amyl acetate	11.47	43	311488	62.58	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	207839	67.57	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	170675	67.30	ug/l	95
77) Bromobenzene	11.61	156	253637	64.17	ug/l	97
78) n-propylbenzene	11.70	91	1045956	64.41	ug/l	98
79) 2-Chlorotoluene	11.83	91	647142	65.94	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	748287	62.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	73517m	61.14	ug/l	
82) 4-Chlorotoluene	12.00	91	709003	62.35	ug/l	90
83) tert-Butylbenzene	12.22	119	734037	65.03	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	790005	65.58	ug/l	100
85) sec-Butylbenzene	12.40	105	944320	66.24	ug/l	99
86) p-Isopropyltoluene	12.55	119	814517	64.59	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	432143	63.85	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	438838	67.01	ug/l	96
89) n-Butylbenzene	12.93	91	772071	66.68	ug/l	97
90) Hexachloroethane	13.01	117	182950	64.44	ug/l	76
91) 1,2-Dichlorobenzene	13.03	146	422047	66.89	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	48808	71.47	ug/l	94

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VSTDICC075

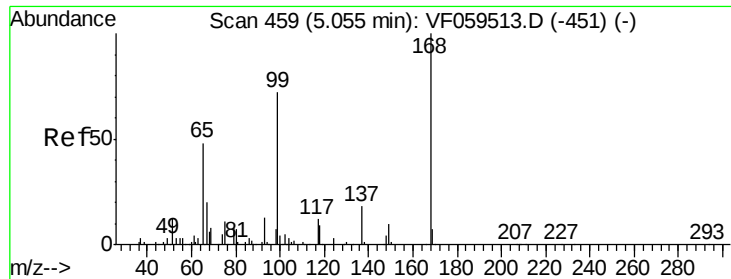
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Jul 18 01:41:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	272041	68.95	ug/l	96
94) Hexachlorobutadiene	14.26	225	134916	77.27	ug/l	99
95) Naphthalene	14.53	128	603132	71.84	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	249646	72.54	ug/l	96

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



#1

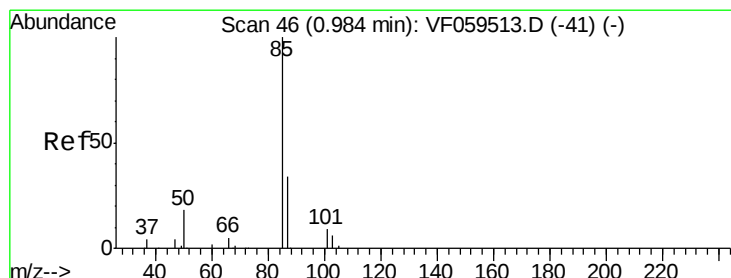
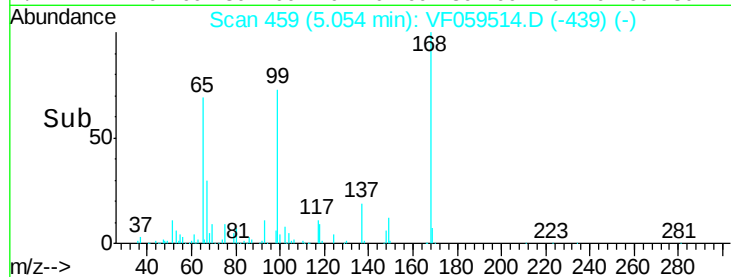
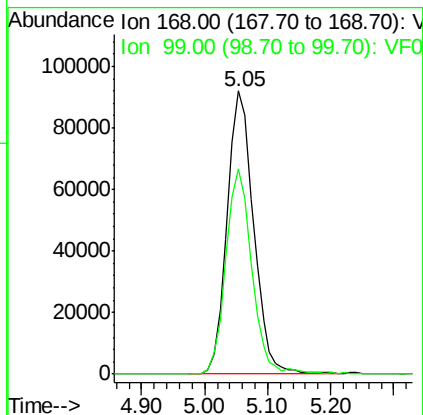
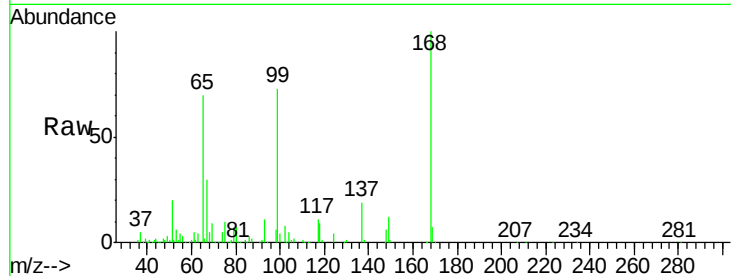
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.05 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
168	100		
99	72.7	57.6	86.4

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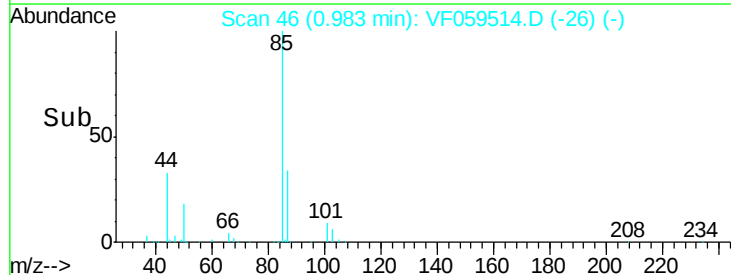
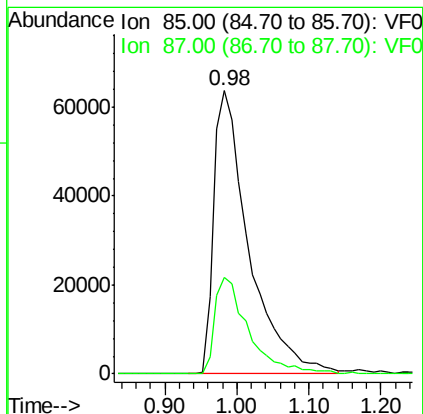
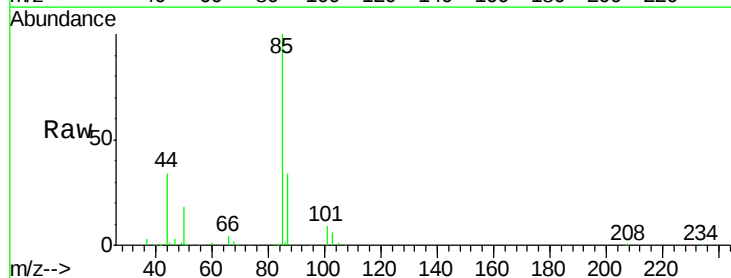
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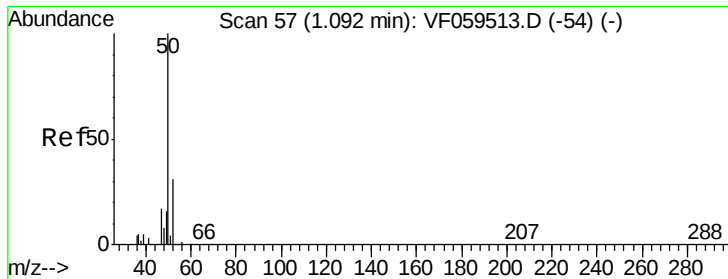


#2

Dichlorodifluoromethane
 Concen: 70.34 ug/l
 RT: 0.98 min Scan# 46
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.9	50.6





#3

Chloromethane

Concen: 66.54 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 114289

Ion Ratio Lower Upper

50 100

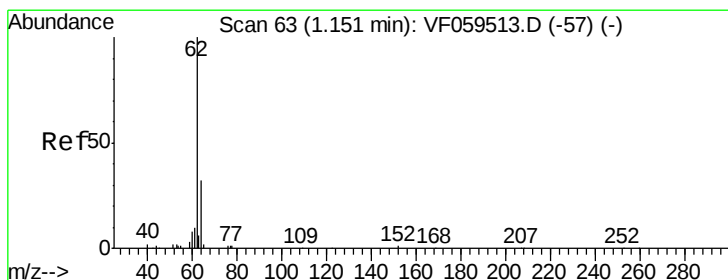
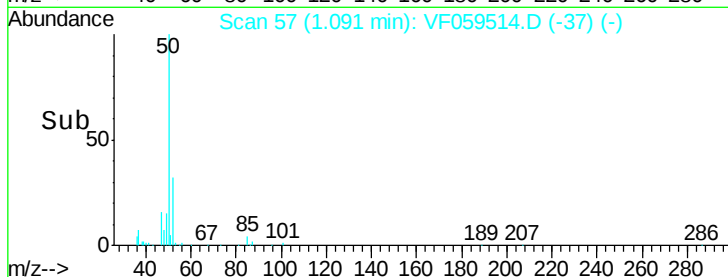
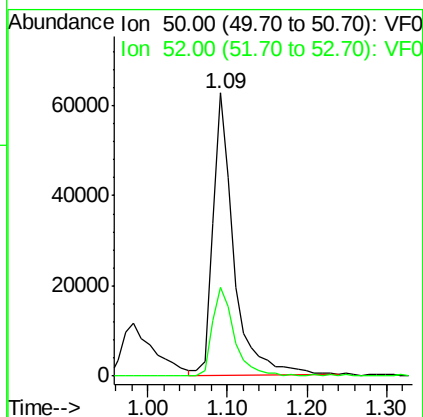
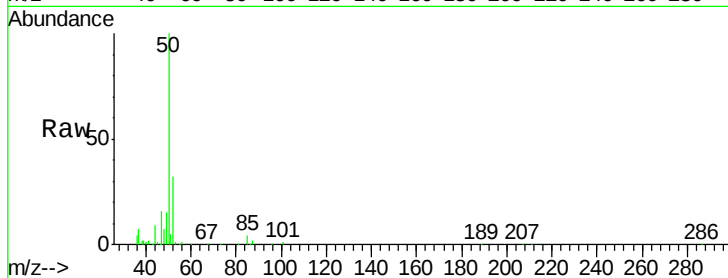
52 31.6 24.6 37.0

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#4

Vinyl Chloride

Concen: 65.46 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059514.D

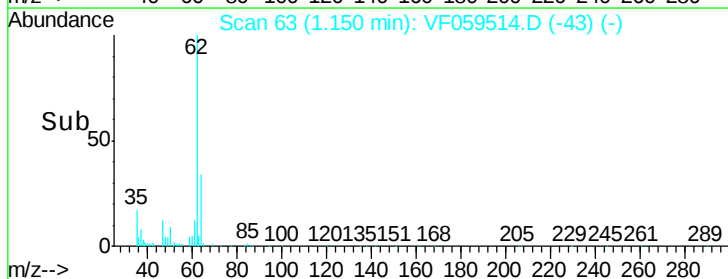
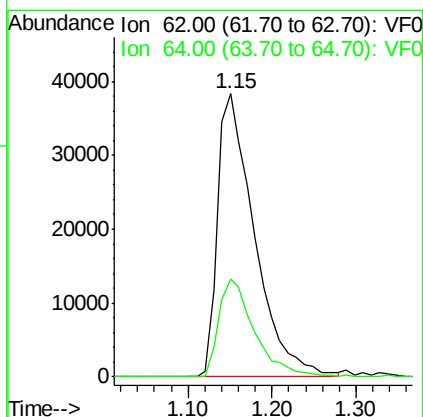
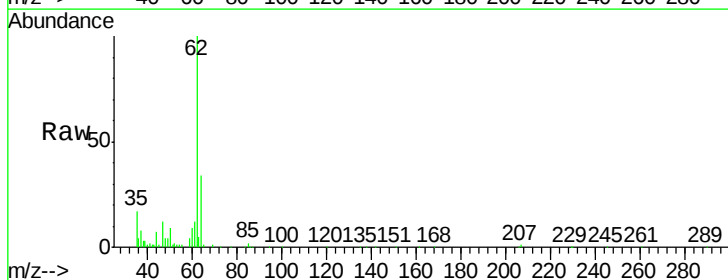
Acq: 17 Jul 2018 18:28

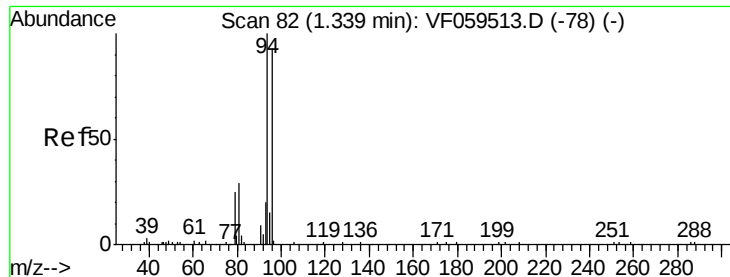
Tgt Ion: 62 Resp: 117116

Ion Ratio Lower Upper

62 100

64 34.3 25.7 38.5





#5

Bromomethane

Concen: 66.34 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 82666

Ion Ratio Lower Upper

94 100

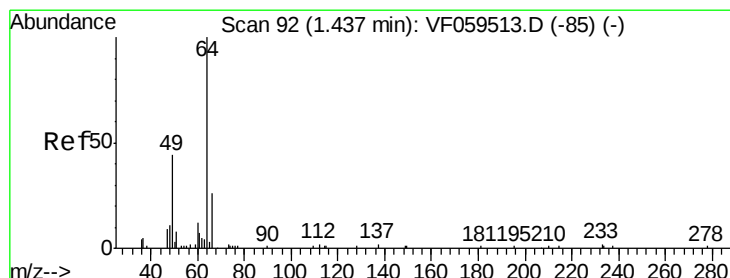
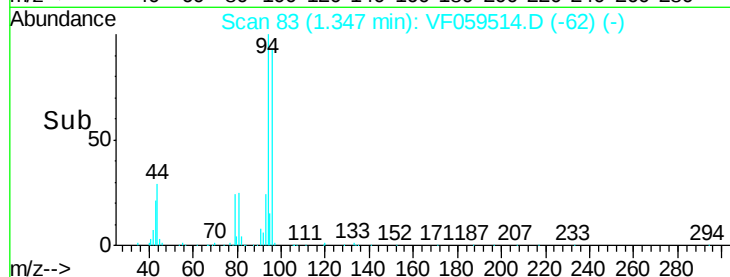
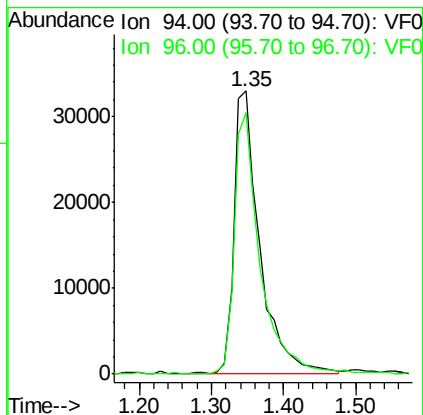
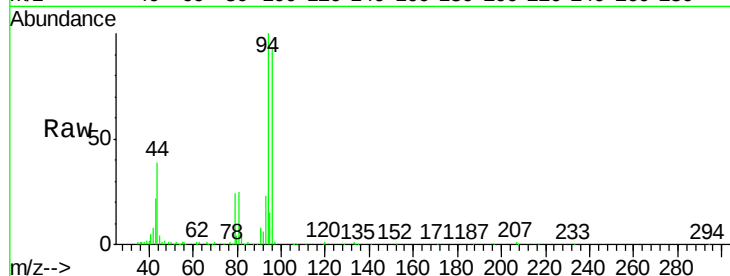
96 92.6 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 65.94 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059514.D

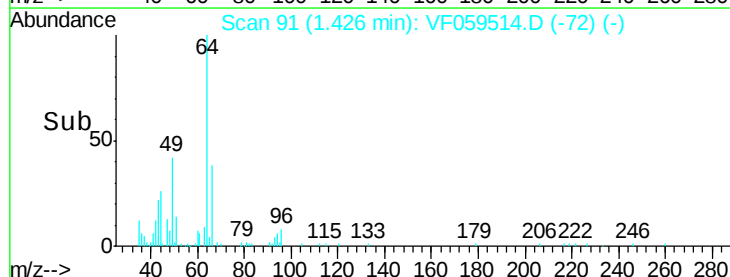
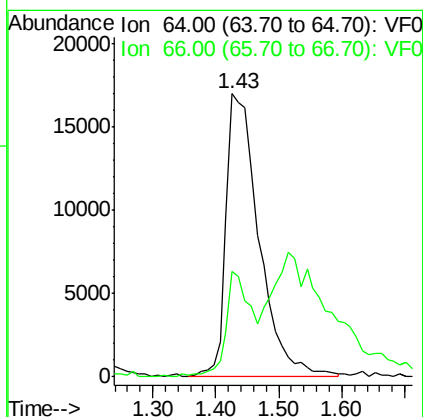
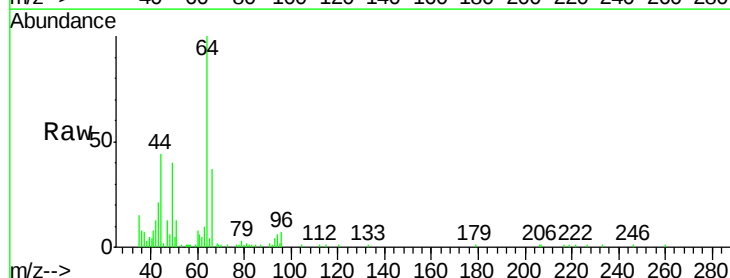
Acq: 17 Jul 2018 18:28

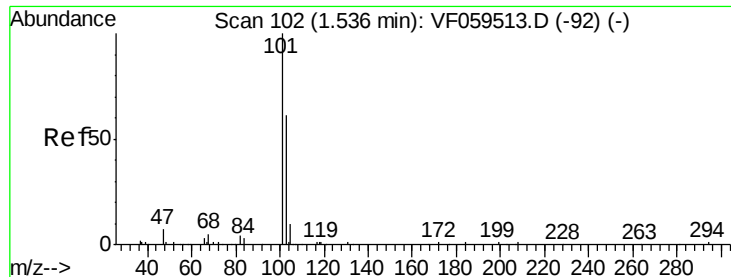
Tgt Ion: 64 Resp: 61730

Ion Ratio Lower Upper

64 100

66 37.3 22.9 34.3#





#7

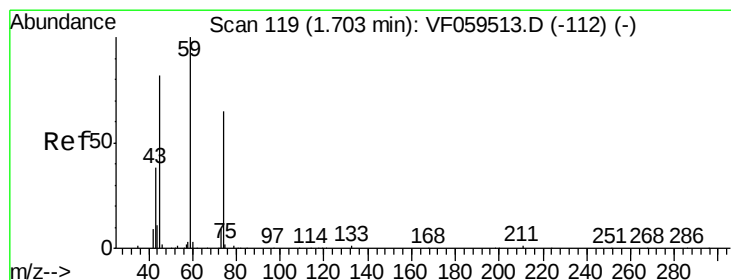
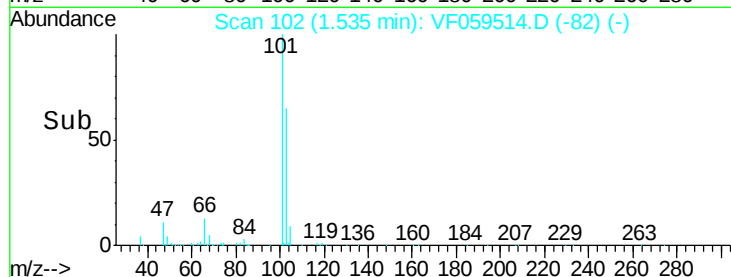
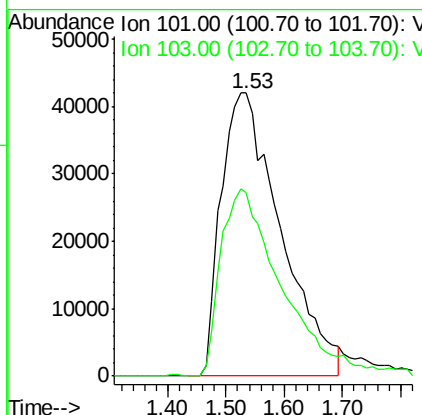
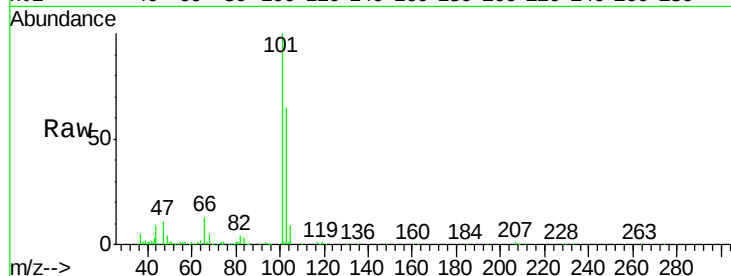
Trichlorofluoromethane
 Concen: 72.78 ug/l
 RT: 1.53 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
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 VSTDIC075

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	48.6	72.8

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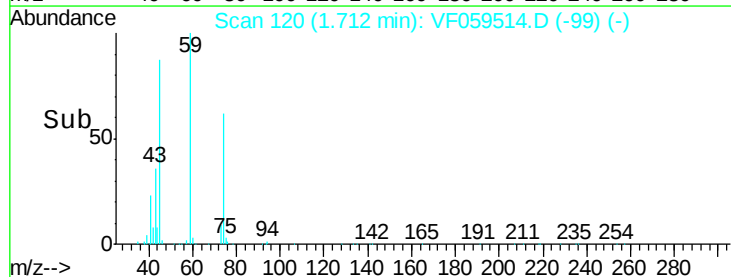
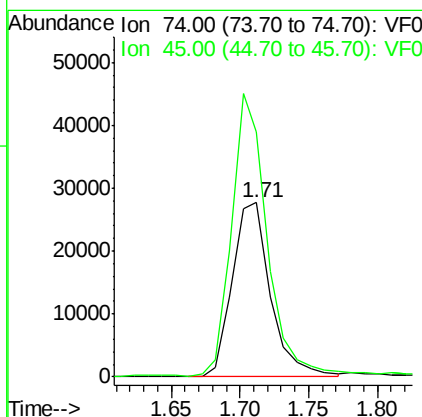
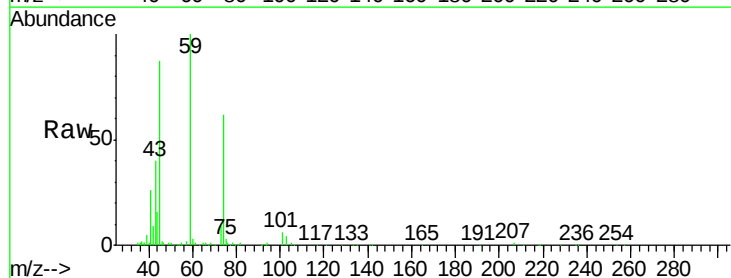
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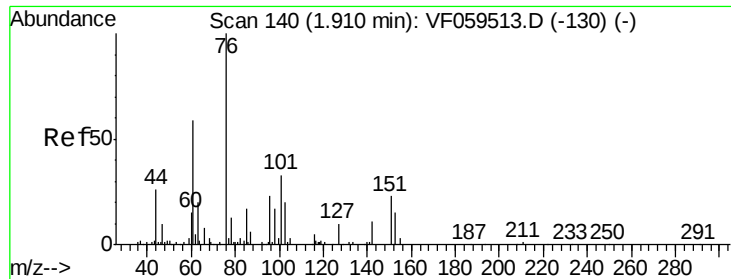


#8

Diethyl Ether
 Concen: 65.40 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.7	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.07 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

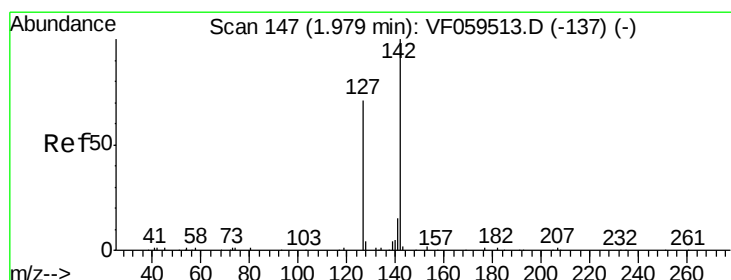
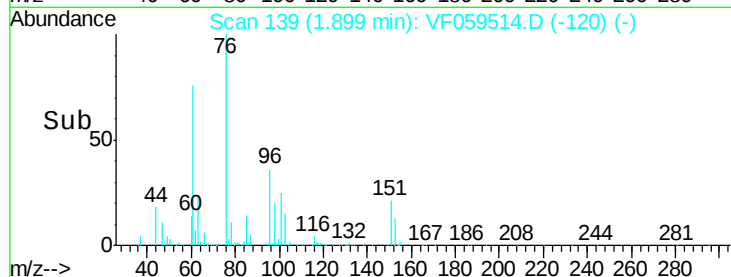
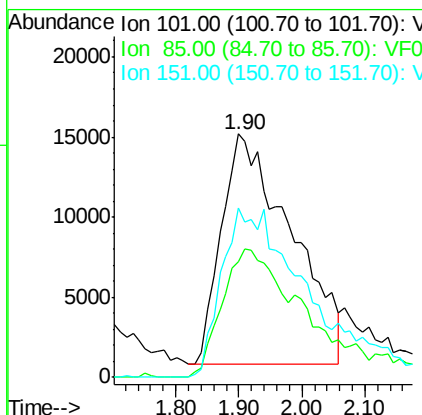
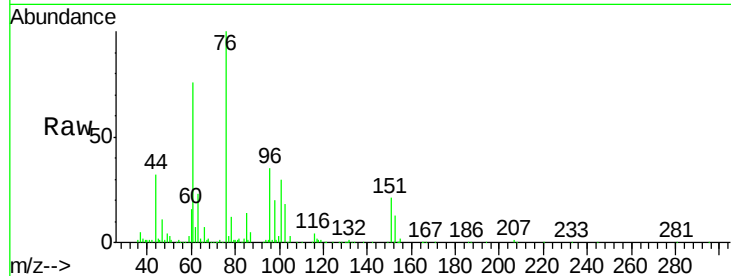
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	111316
Ion Ratio	Lower	Upper	
101	100		
85	47.4	39.8	59.6
151	69.4	54.2	81.2

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#10

Methyl Iodide

Concen: 66.50 ug/l

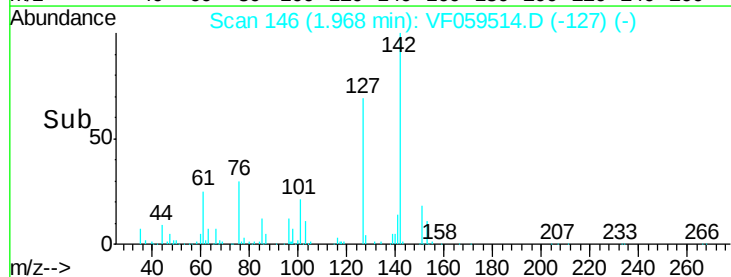
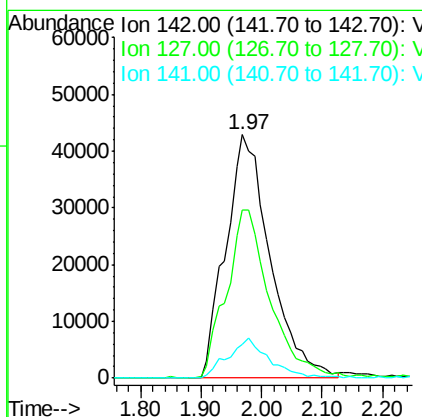
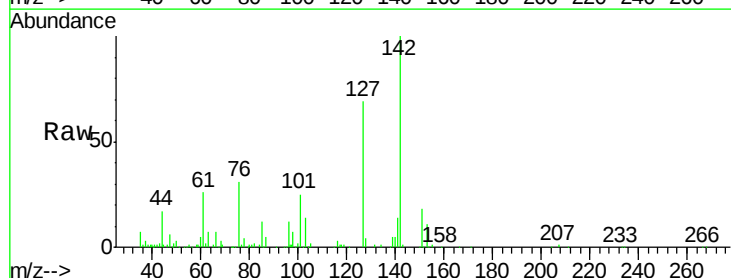
RT: 1.97 min Scan# 146

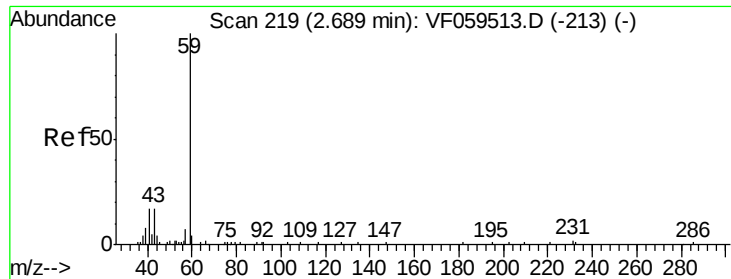
Delta R.T. -0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	142	Resp:	218640
Ion Ratio	Lower	Upper	
142	100		
127	69.1	56.4	84.6
141	14.1	12.0	18.0





#11

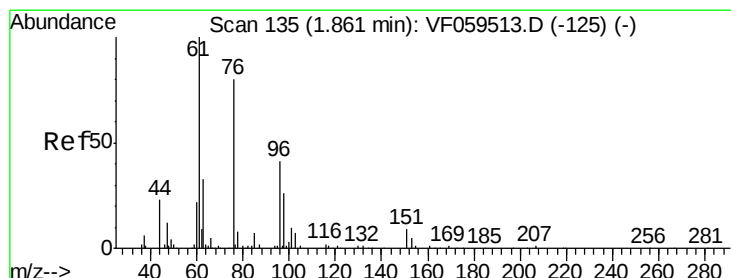
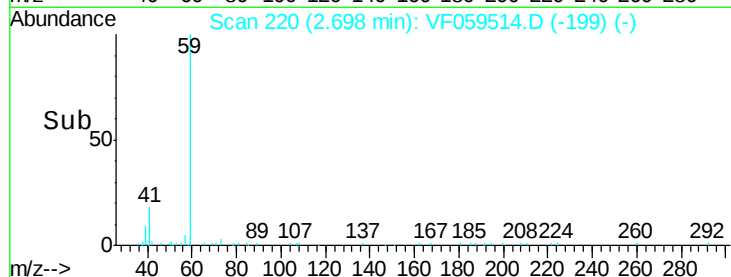
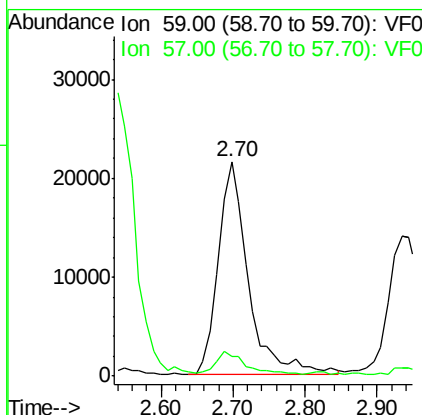
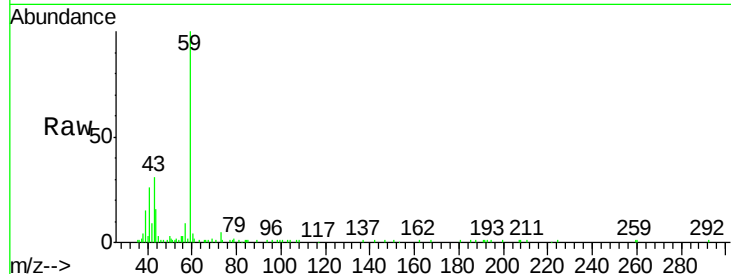
Tert butyl alcohol
Concen: 333.71 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.7	11.5

Manual Integrations
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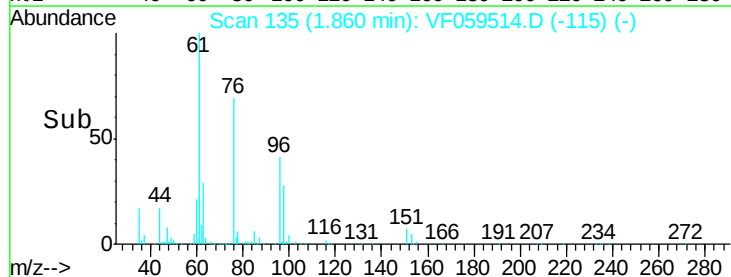
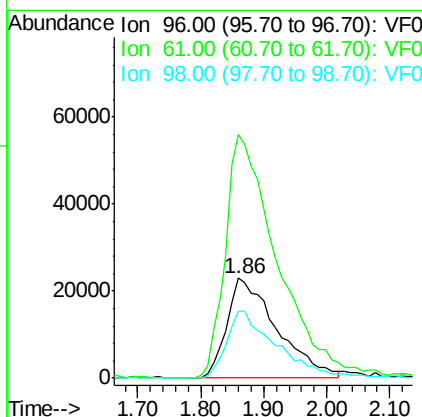
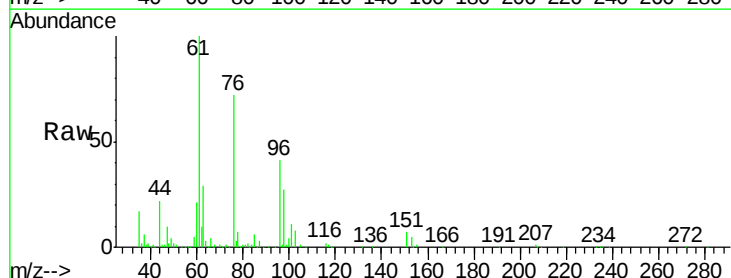
apatel
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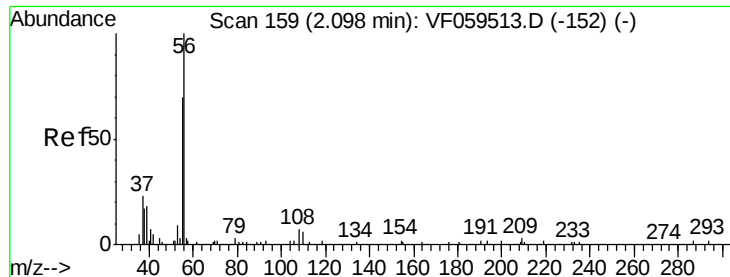


#12

1,1-Dichloroethene
Concen: 67.51 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	243.9	194.3	291.5
98	68.7	50.3	75.5





#13

Acrolein

Concen: 242.08 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF059514.D

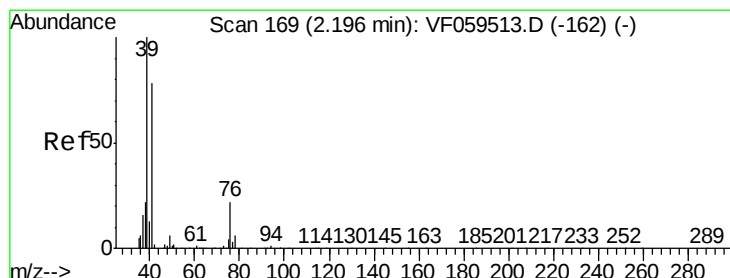
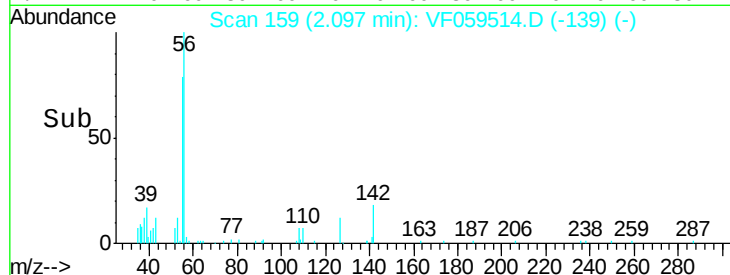
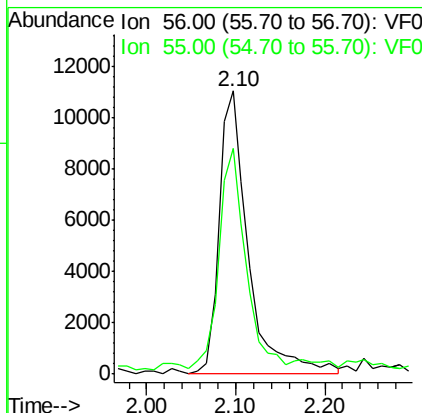
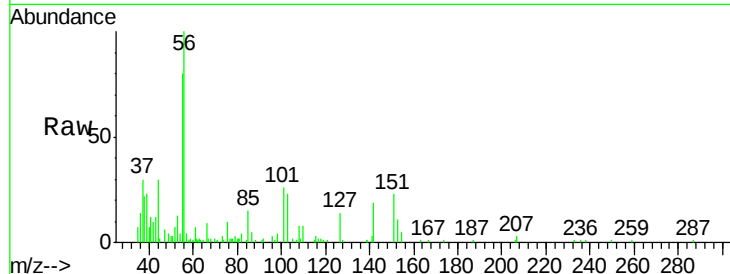
Acq: 17 Jul 2018 18:28

Tot Ion	56	Resp	25347
Ion Ratio	100	Lower	Upper
55	79.8	59.4	89.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Manual Integrations
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#14

Allyl chloride

Concen: 63.54 ug/l

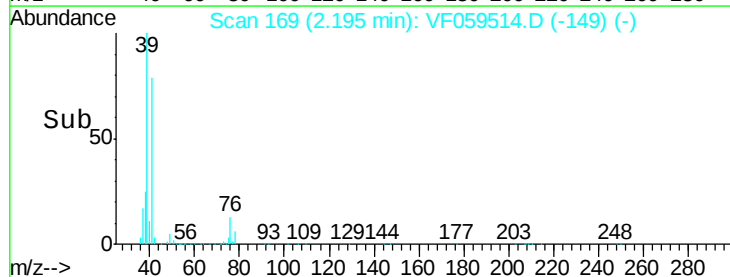
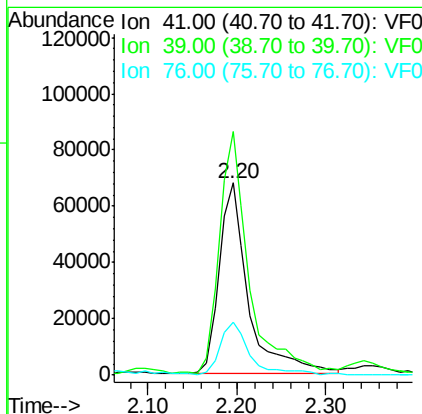
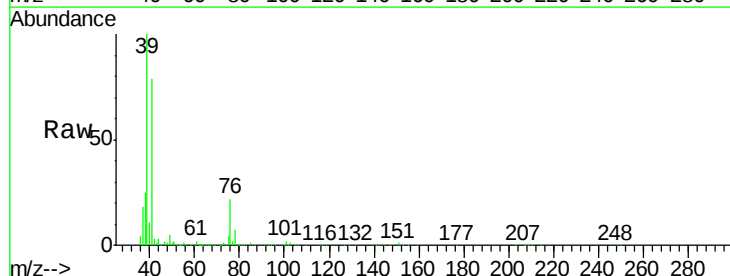
RT: 2.20 min Scan# 169

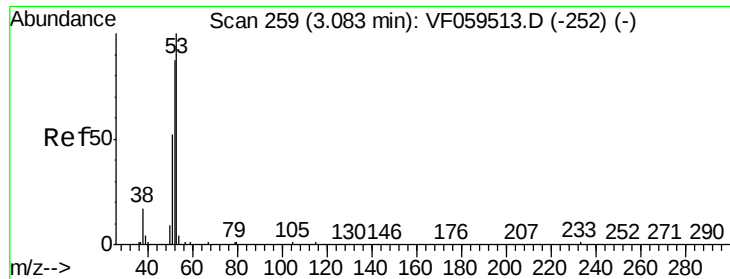
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion	41	Resp	156992
Ion Ratio	100	Lower	Upper
39	126.9	103.0	154.4
76	27.8	22.6	34.0





#15

Acrylonitrile

Concen: 352.99 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

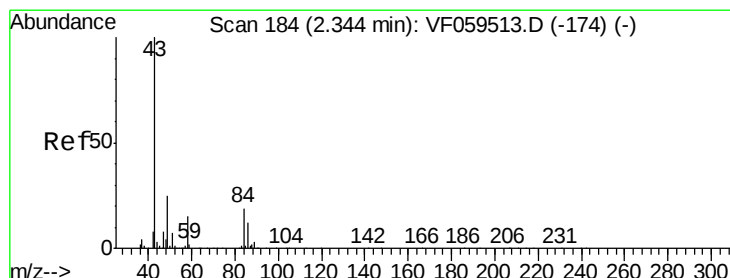
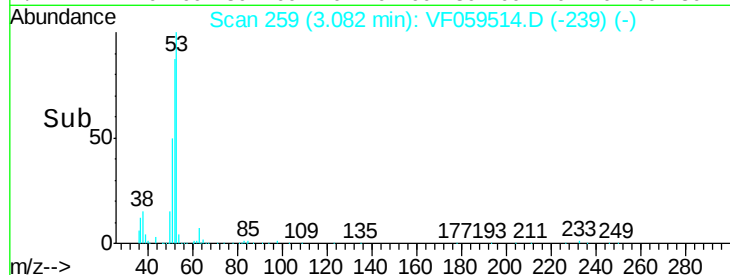
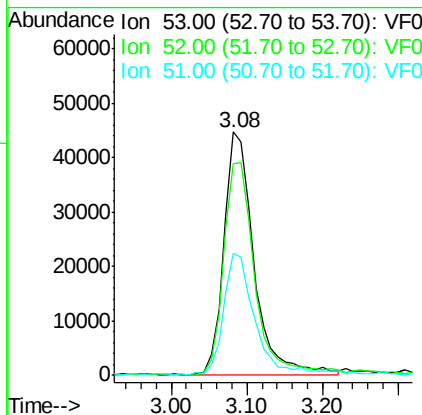
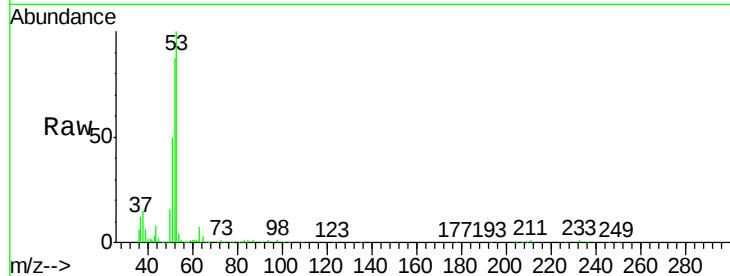
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	122079
Ion	Ratio	Lower	Upper
53	100		
52	86.8	70.1	105.1
51	50.3	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 339.29 ug/l

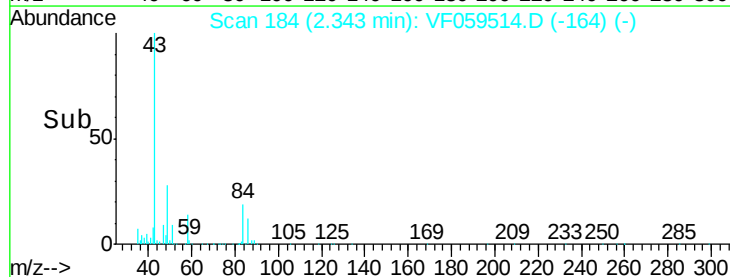
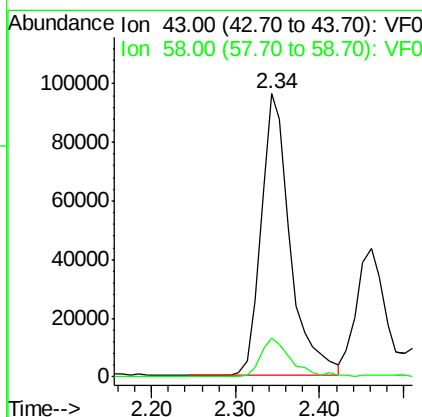
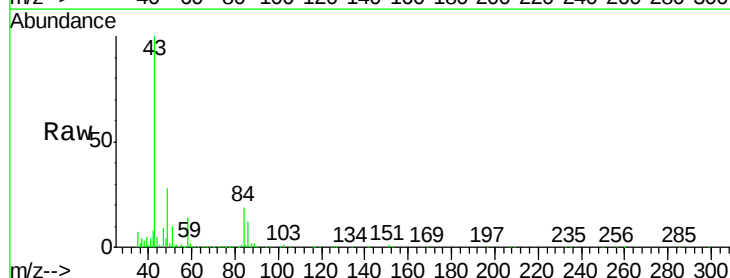
RT: 2.34 min Scan# 184

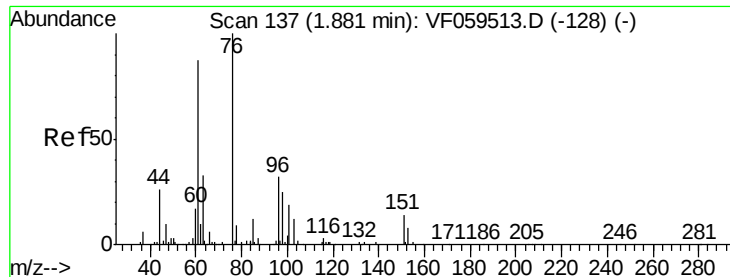
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	43	Resp:	232861
Ion	Ratio	Lower	Upper
43	100		
58	13.6	11.8	17.6





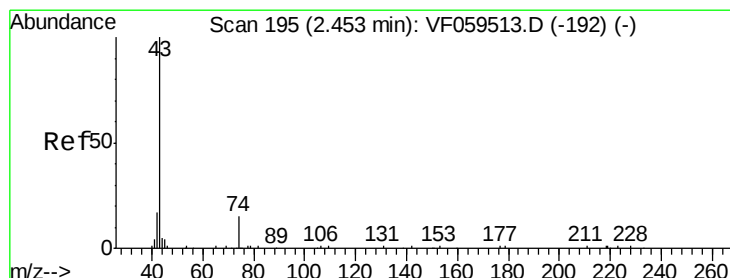
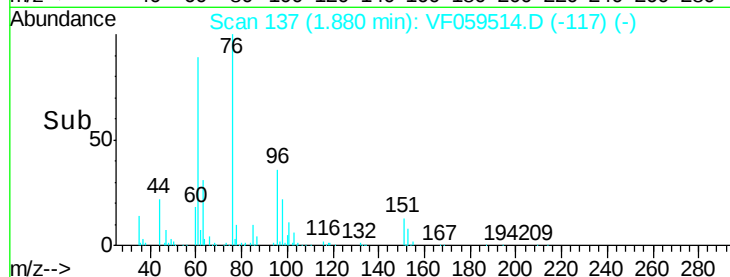
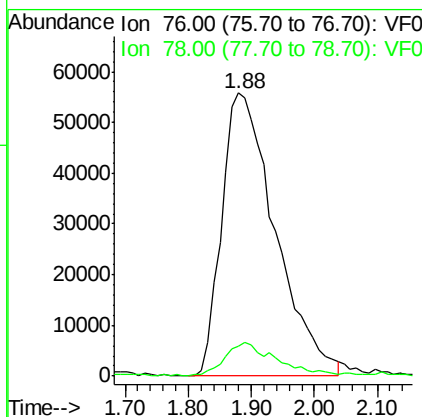
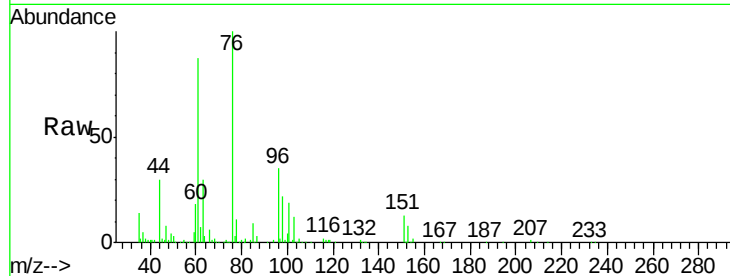
#17
Carbon Disulfide
Concen: 64.21 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.8	11.6

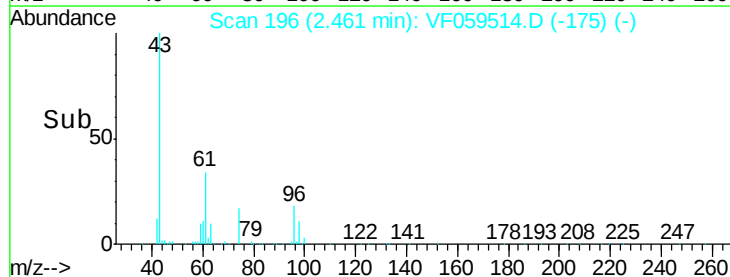
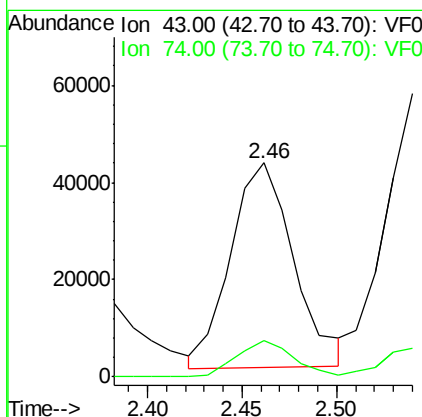
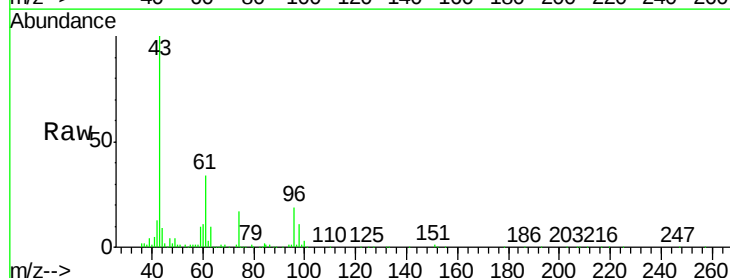
Manual Integrations
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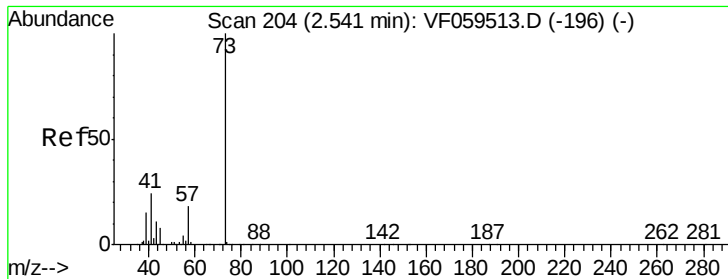
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#18
Methyl Acetate
Concen: 69.49 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.9	10.6	15.8#





#19

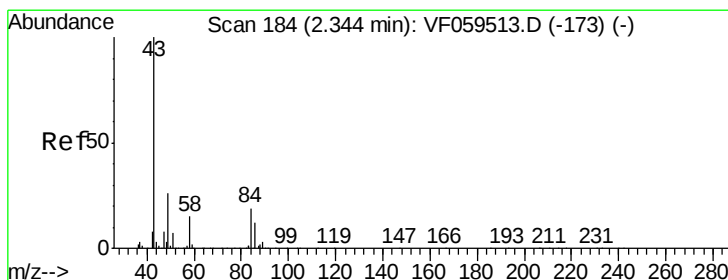
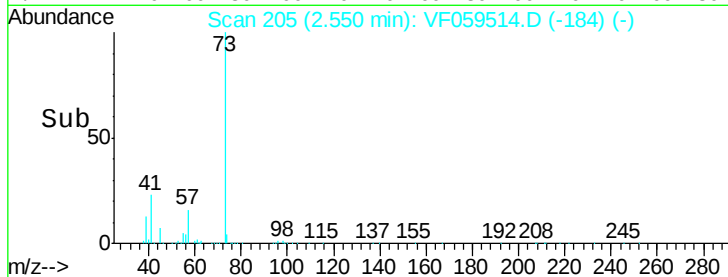
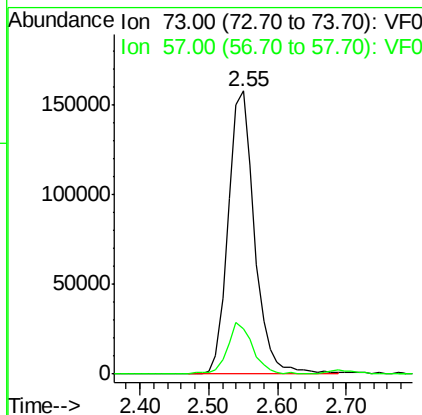
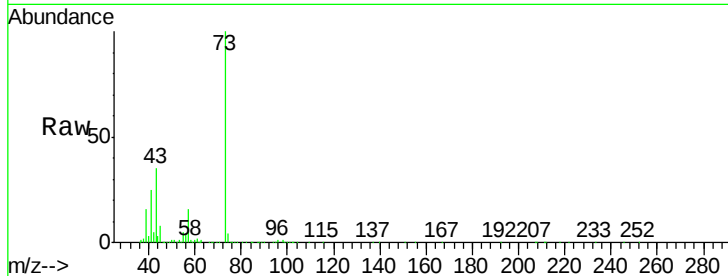
Methyl tert-butyl Ether
 Concen: 67.77 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.0	14.3	21.5

Manual Integrations
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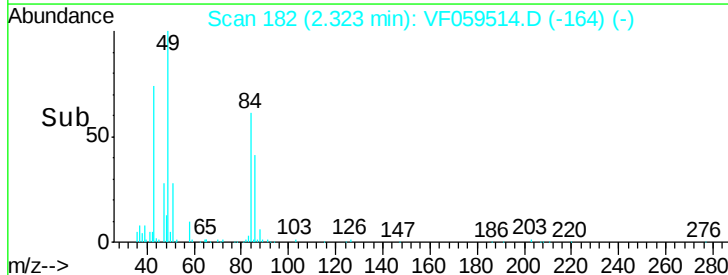
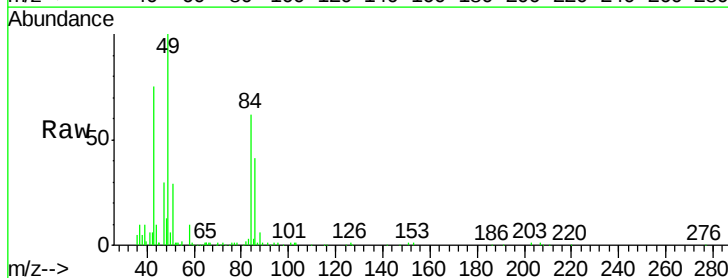
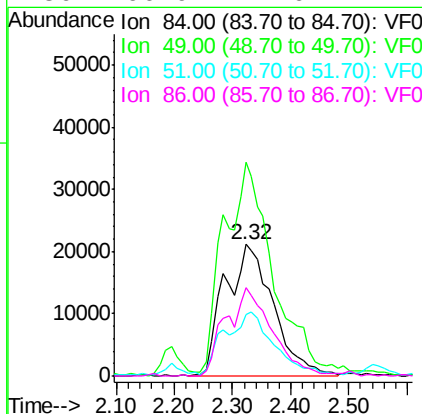
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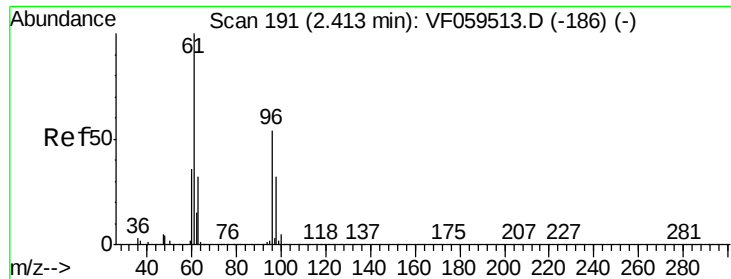


#20

Methylene Chloride
 Concen: 50.31 ug/l m
 RT: 2.32 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	162.5	109.4	164.2
51	47.2	30.5	45.7#
86	66.9	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 68.11 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

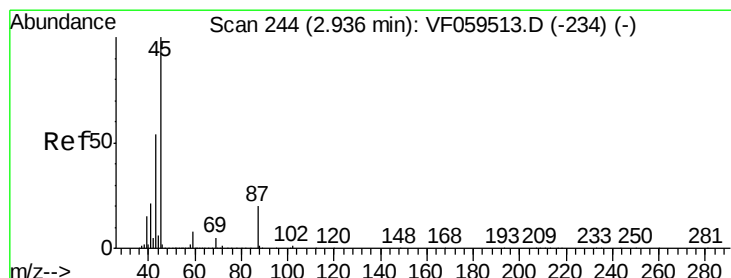
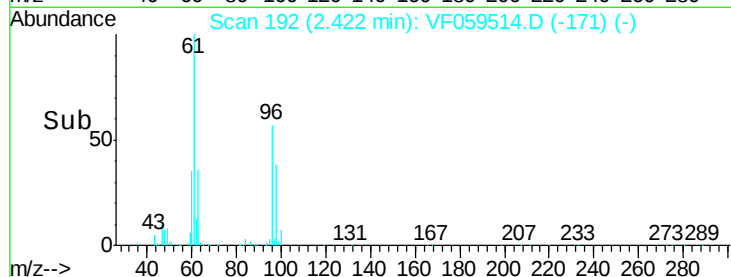
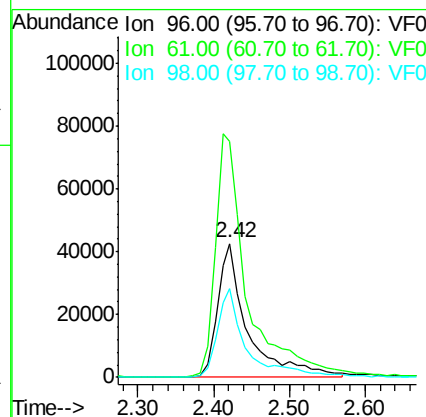
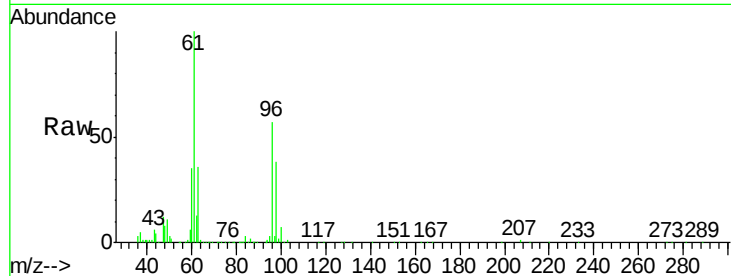
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	116901
Ion Ratio	Lower	Upper	
96	100		
61	176.2	149.8	224.8
98	66.5	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 65.82 ug/l

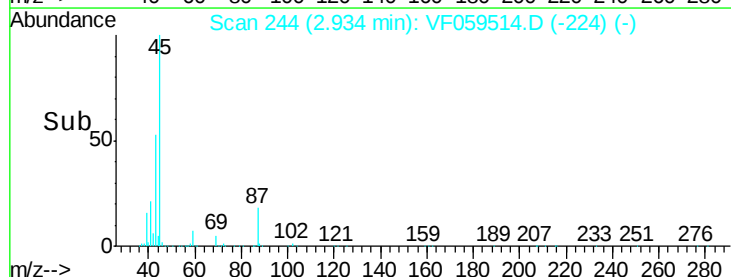
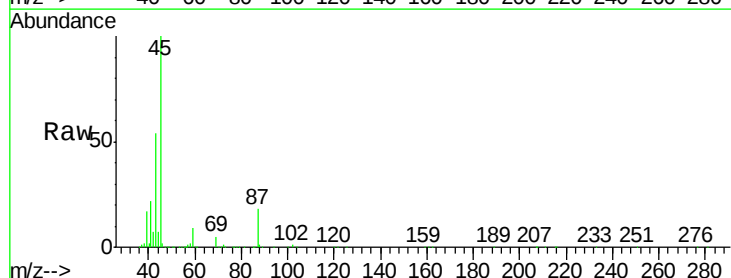
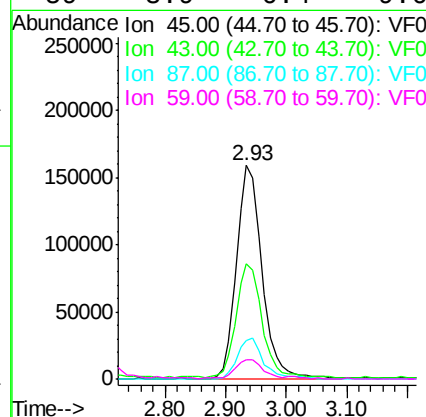
RT: 2.93 min Scan# 244

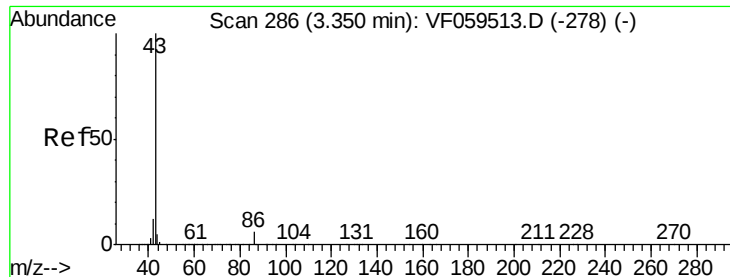
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	45	Resp:	466253
Ion Ratio	Lower	Upper	
45	100		
43	53.7	43.6	65.4
87	17.9	15.6	23.4
59	8.9	6.4	9.6





#23

Vinyl Acetate

Concen: 336.95 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1387003

Ion Ratio Lower Upper

43 100

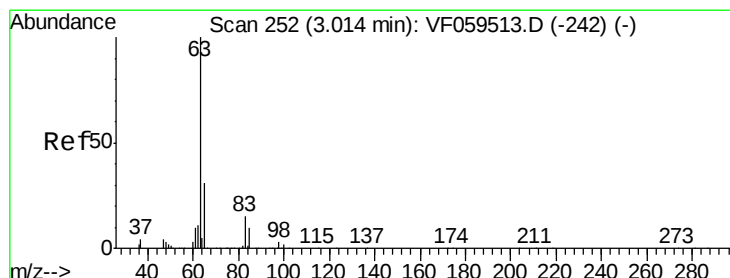
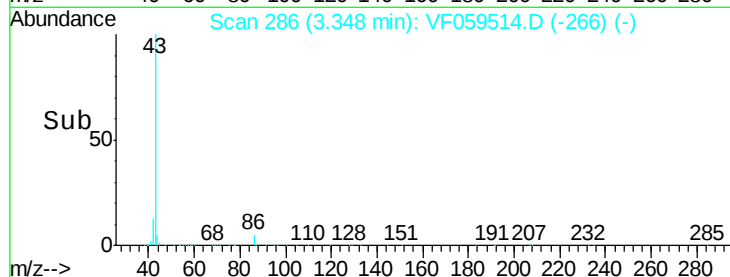
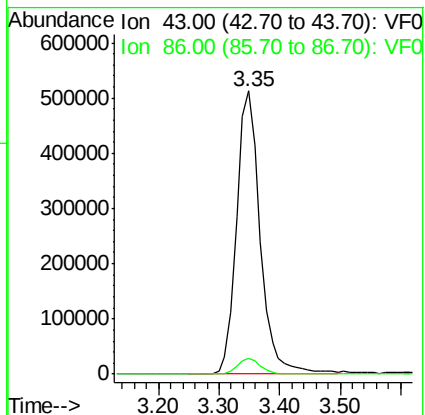
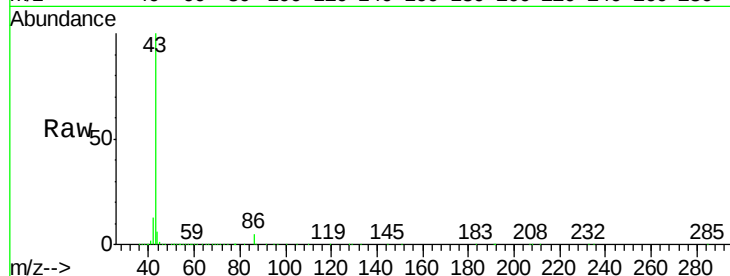
86 5.5 4.4 6.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 73.94 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

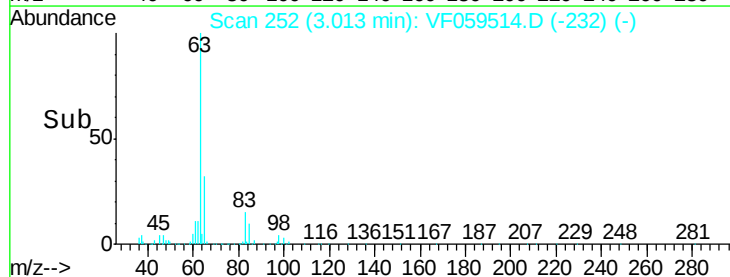
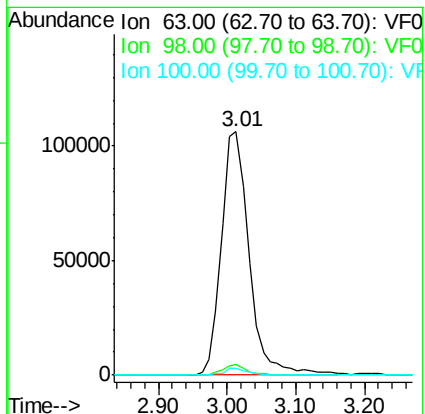
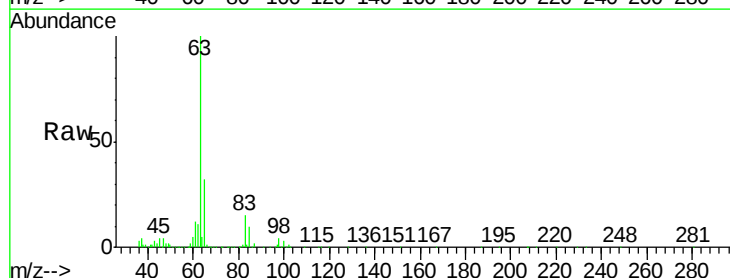
Tgt Ion: 63 Resp: 297340

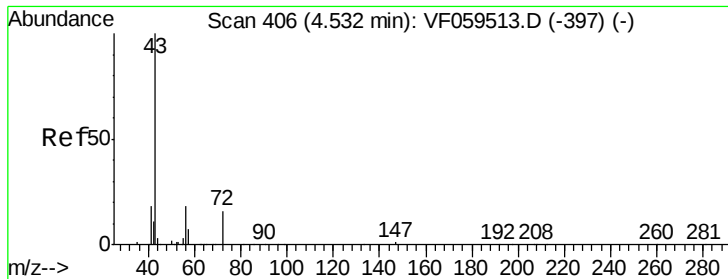
Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.4

100 2.5 1.3 3.8





#25

2-Butanone

Concen: 322.89 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 322124

Ion Ratio Lower Upper

43 100

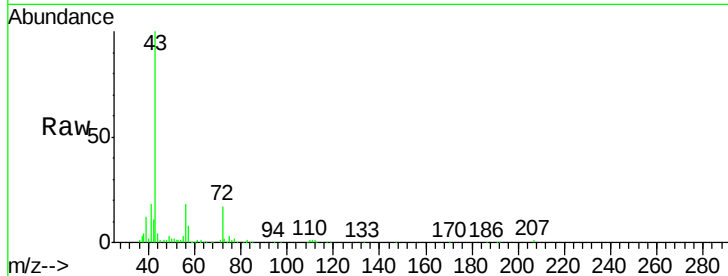
72 16.9 14.2 21.4

Manual Integrations

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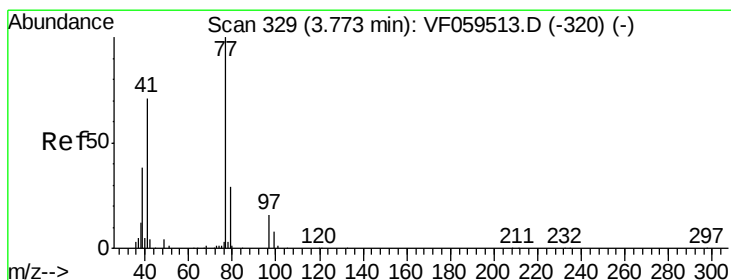
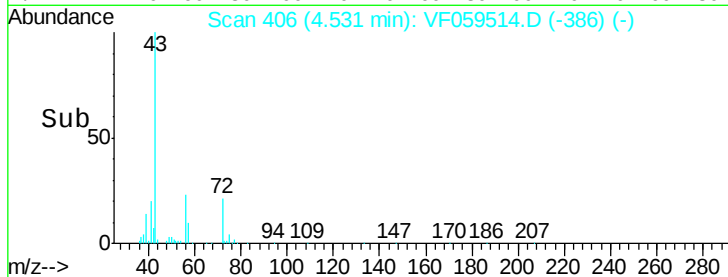
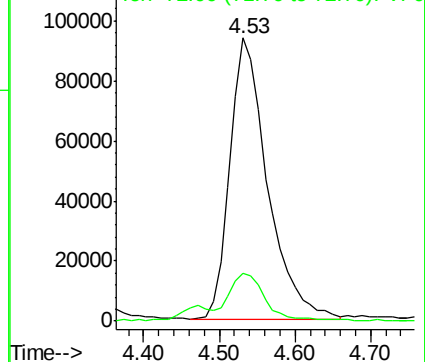
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 65.95 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF059514.D

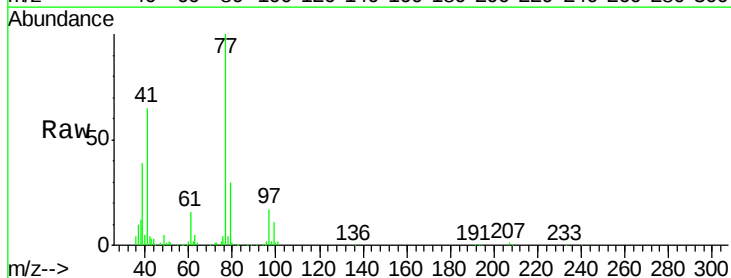
Acq: 17 Jul 2018 18:28

Tgt Ion: 77 Resp: 177988

Ion Ratio Lower Upper

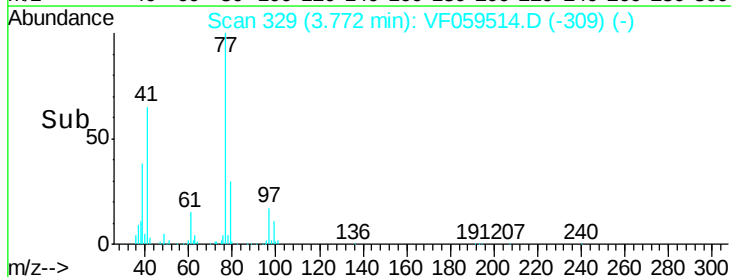
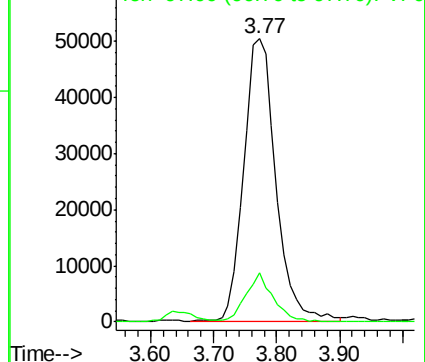
77 100

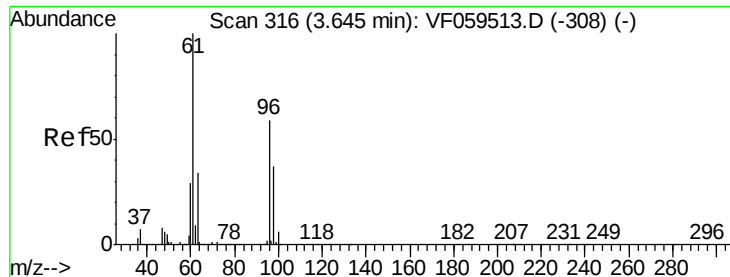
97 17.2 8.1 24.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

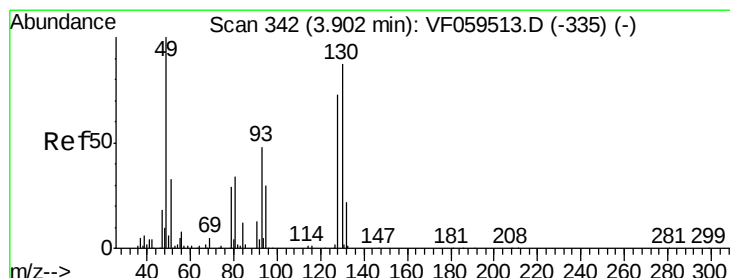
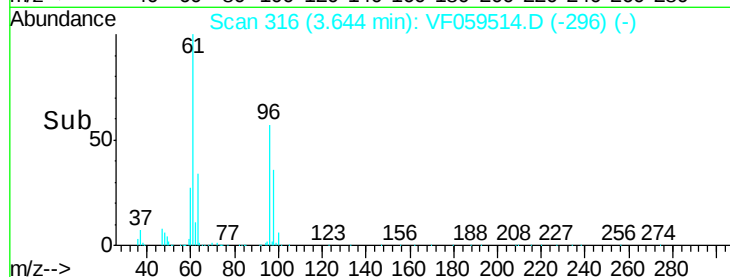
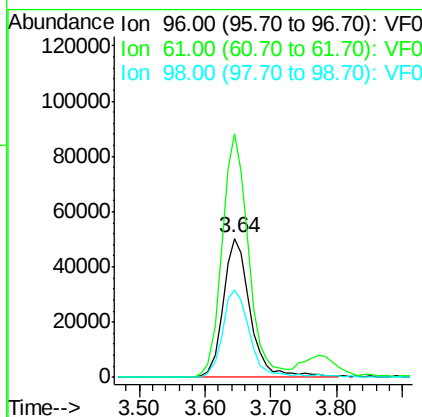
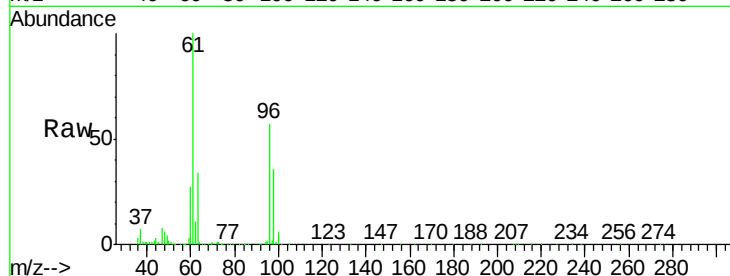
cis-1,2-Dichloroethene
Concen: 61.70 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.3	0.0	339.0
98	63.1	0.0	125.4

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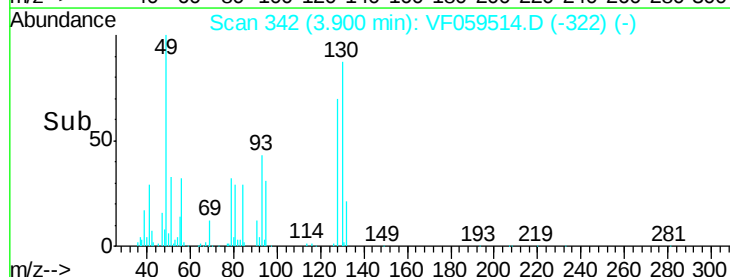
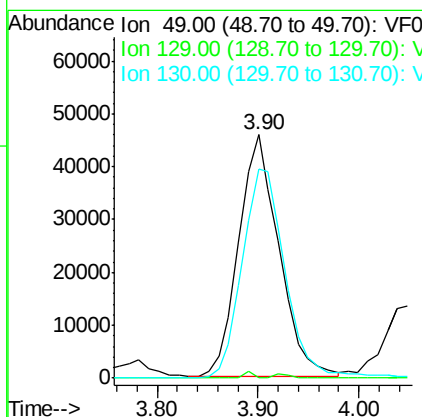
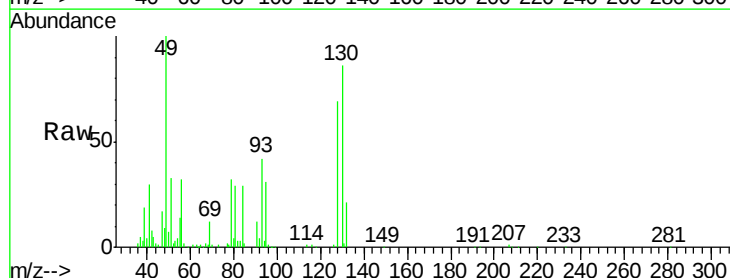
apatel
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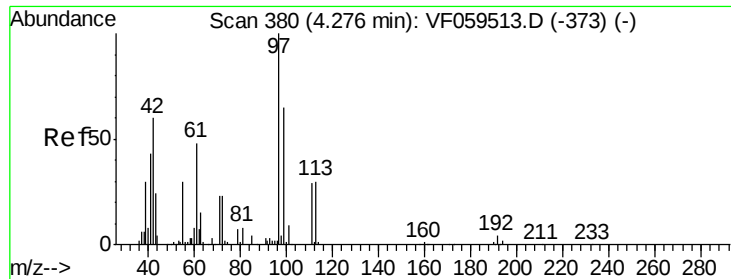


#28

Bromochloromethane
Concen: 67.85 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	86.1	69.8	104.6





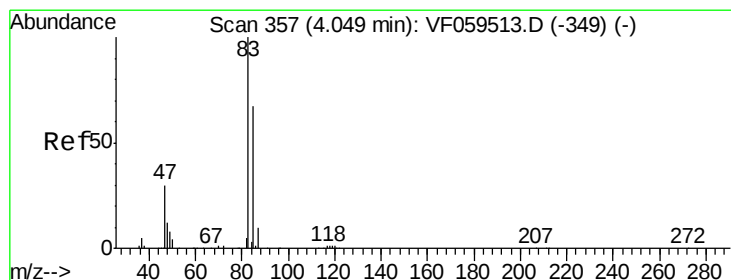
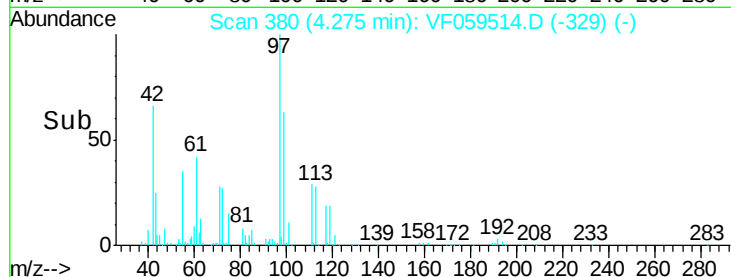
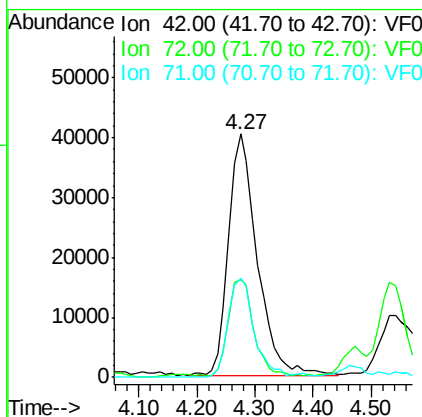
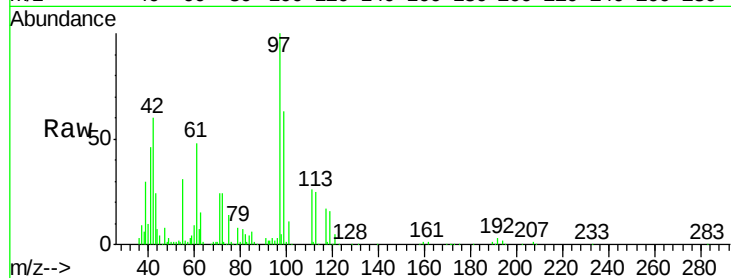
#29
Tetrahydrofuran
Concen: 324.37 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.7	43.1
71	37.0	30.8	46.2

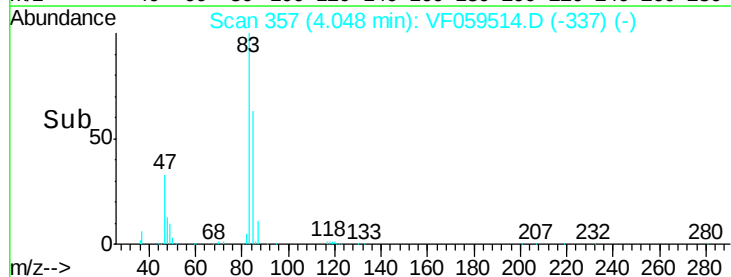
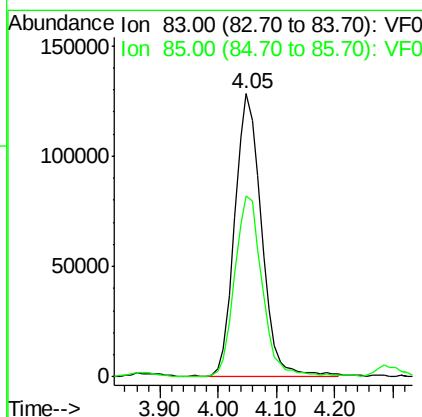
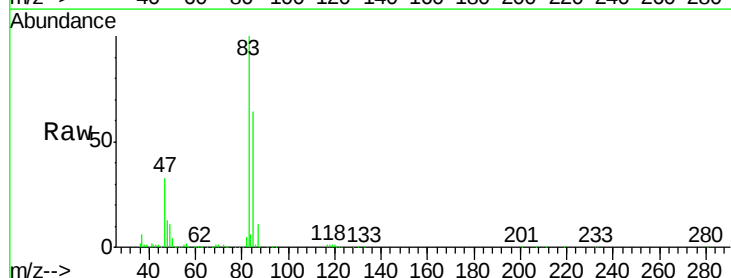
Manual Integrations
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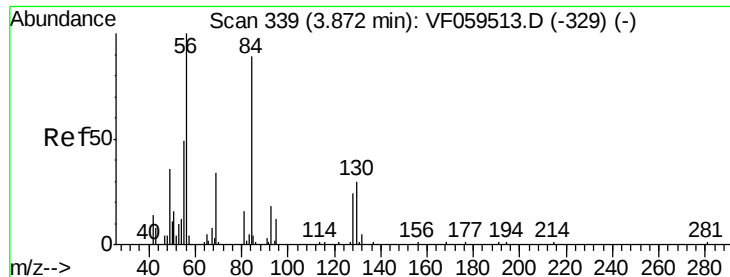
apatel
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#30
Chloroform
Concen: 67.97 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.2	79.8





#31

Cyclohexane

Concen: 66.06 ug/l m

RT: 3.87 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

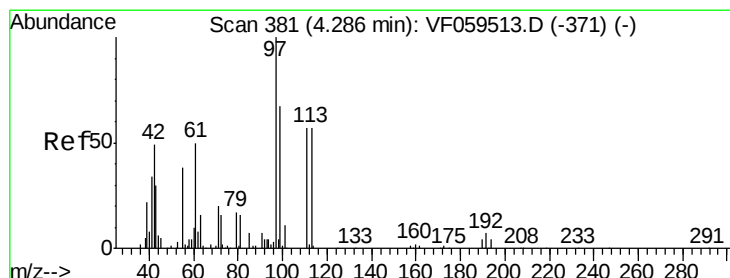
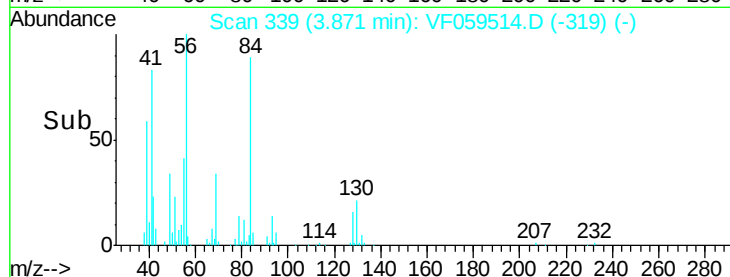
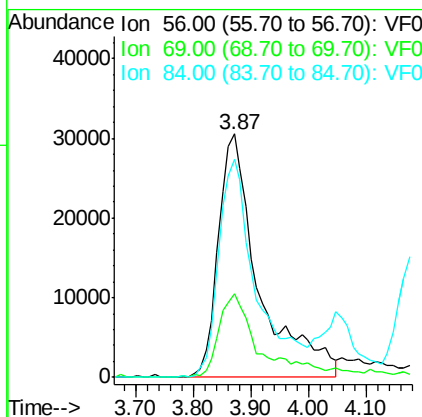
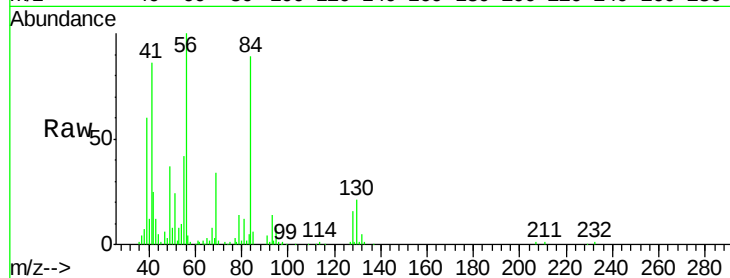
VSTDIC075

Tot Ion:	56	Resp:	150046
Ion Ratio		Lower	Upper
56	100		
69	34.1	27.6	41.4
84	89.5	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 63.39 ug/l

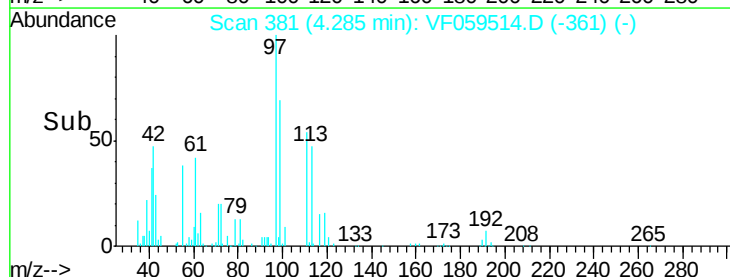
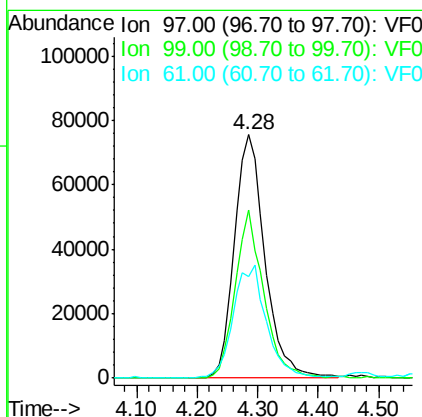
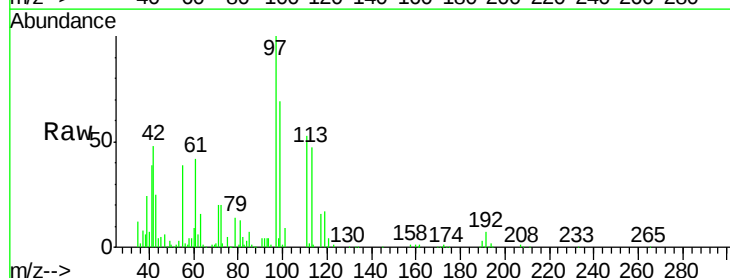
RT: 4.28 min Scan# 381

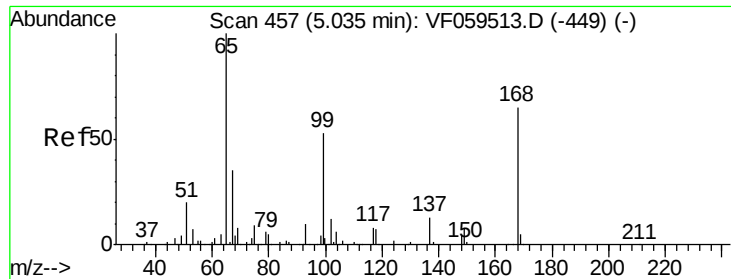
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	97	Resp:	265564
Ion Ratio		Lower	Upper
97	100		
99	69.3	53.5	80.3
61	41.8	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 73.08 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tot Ion: 65 Resp: 295291

Ion Ratio Lower Upper

65 100

67 43.1 0.0 91.2

Instrument :

MSVOA_F

ClientSampleId :

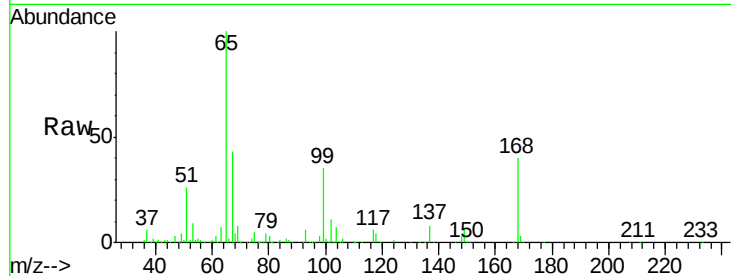
VSTDIC075

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

120000

100000

80000

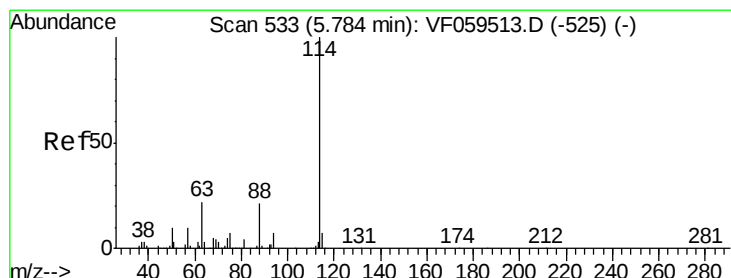
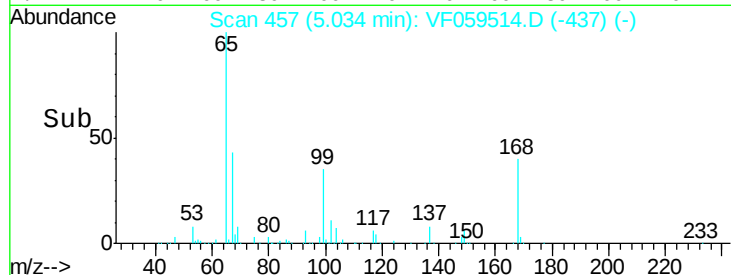
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

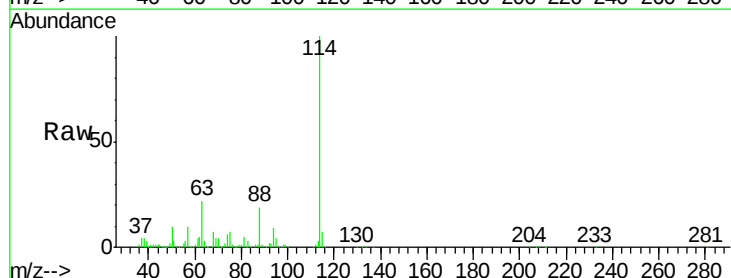
Tgt Ion: 114 Resp: 380614

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.8

88 18.5 0.0 42.6



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

5.78

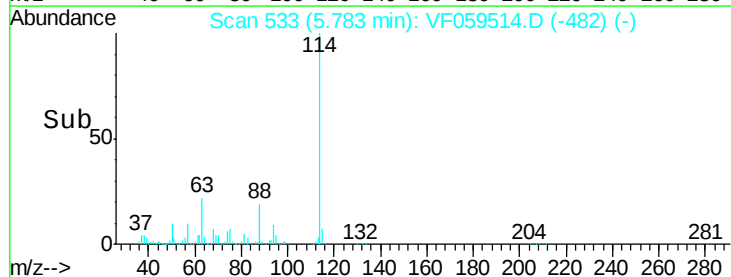
150000

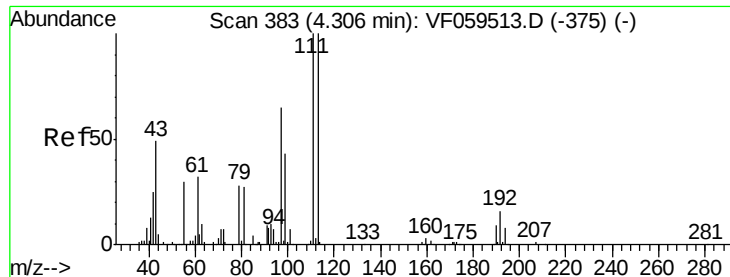
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 69.75 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

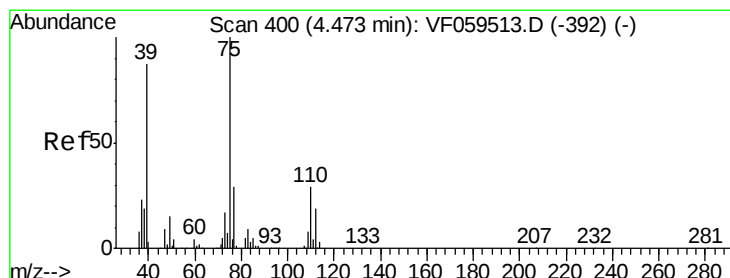
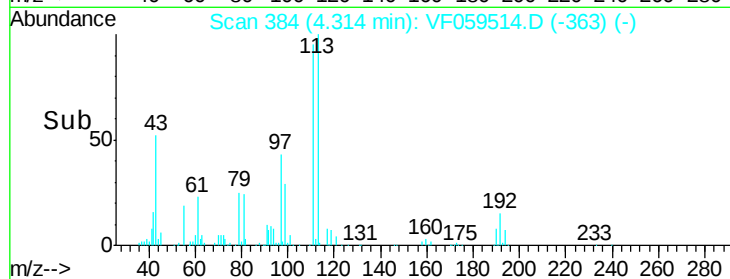
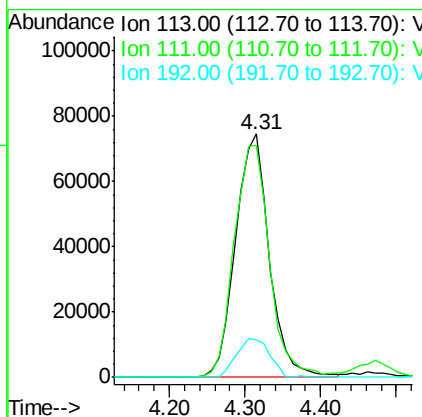
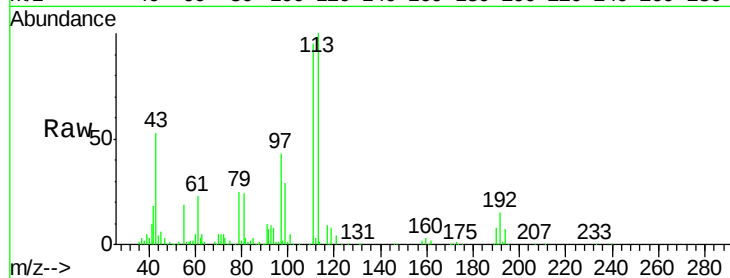
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	230557
Ion Ratio		Lower	Upper
113	100		
111	95.5	80.3	120.5
192	15.4	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 68.22 ug/l

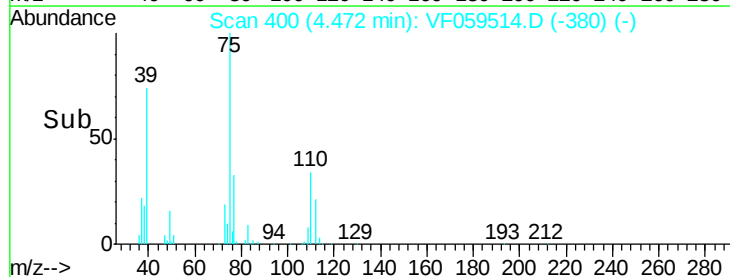
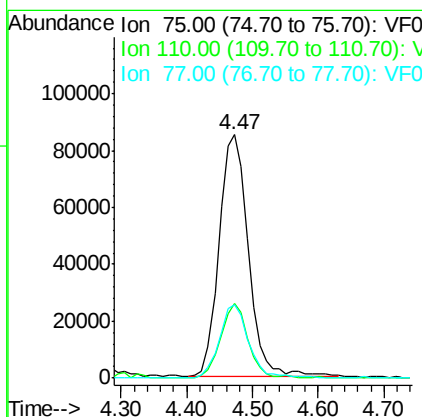
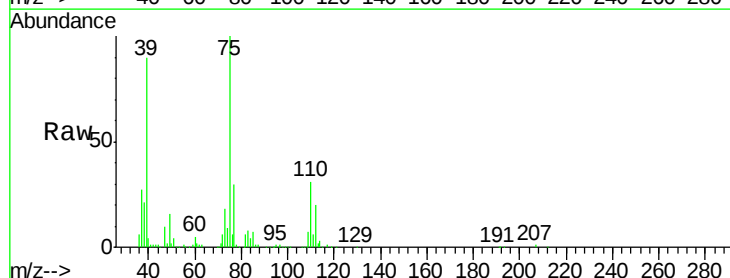
RT: 4.47 min Scan# 400

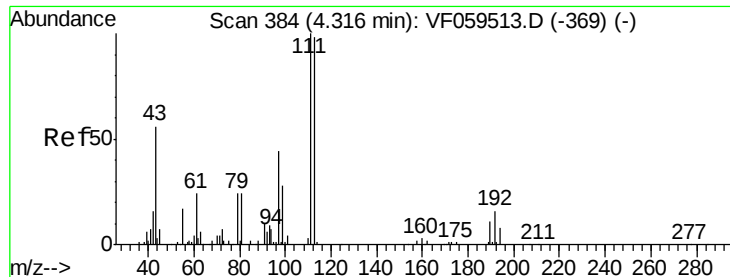
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	75	Resp:	264427
Ion Ratio		Lower	Upper
75	100		
110	30.5	14.6	43.8
77	30.1	23.7	35.5





#37

Ethyl Acetate

Concen: 62.90 ug/l

RT: 4.31 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

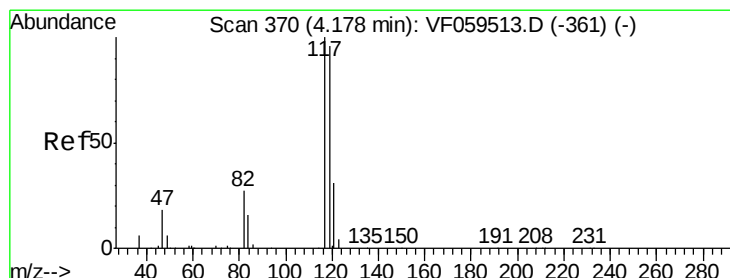
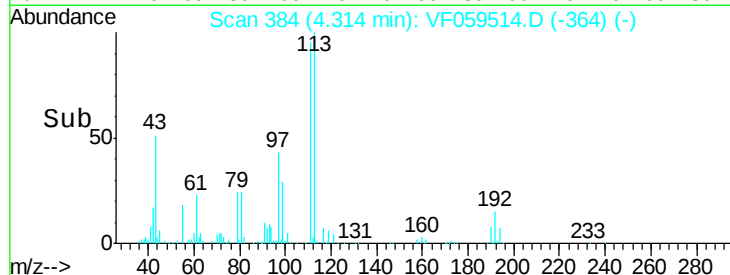
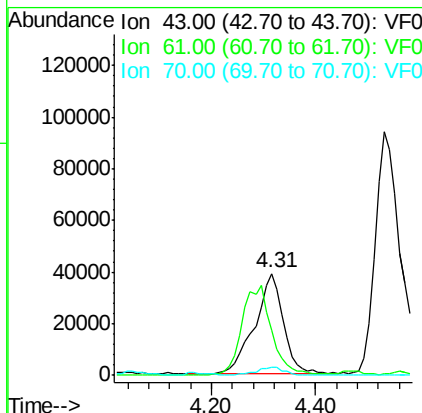
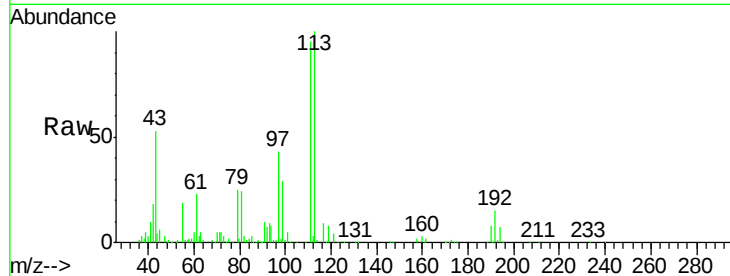
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	149230
Ion	Ratio	Lower	Upper
43	100		
61	44.4	33.7	50.5
70	8.6	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 65.73 ug/l

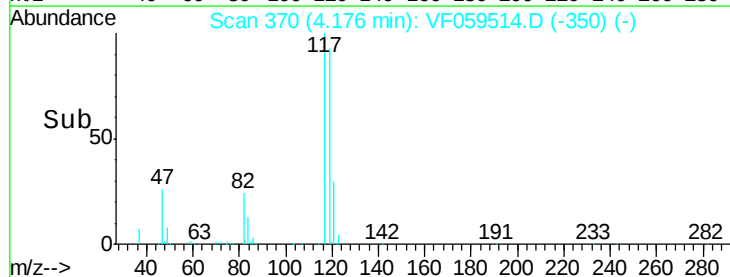
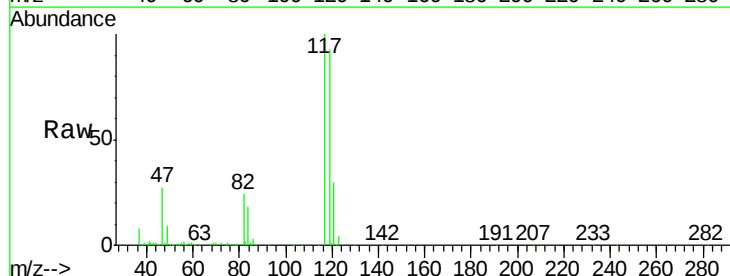
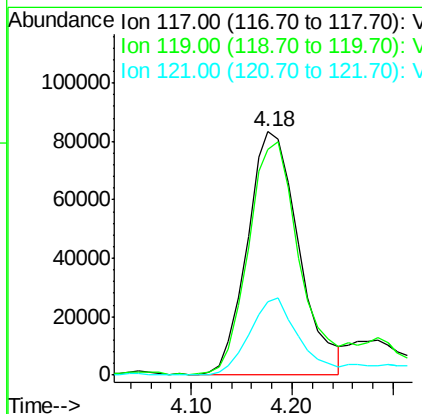
RT: 4.18 min Scan# 370

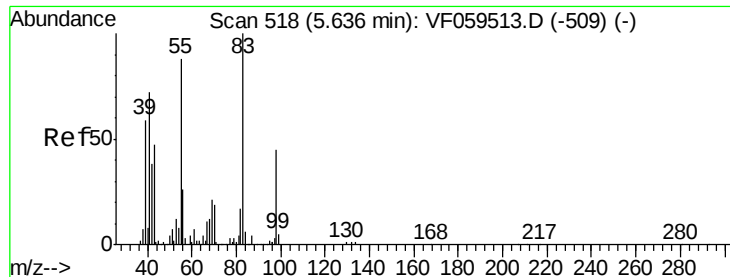
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	117	Resp:	295428
Ion	Ratio	Lower	Upper
117	100		
119	92.7	77.6	116.4
121	30.2	24.9	37.3





#39

Methvlcvclohexane

Concen: 64.86 ug/l

RT: 5.64 min Scan# 518

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

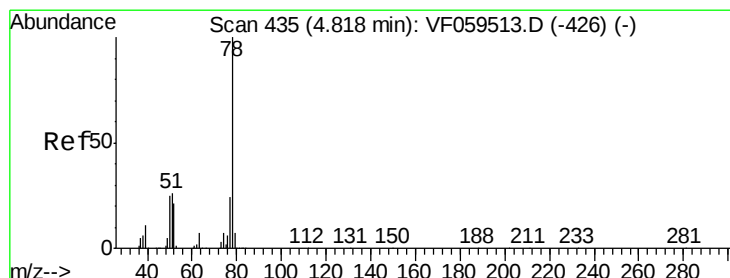
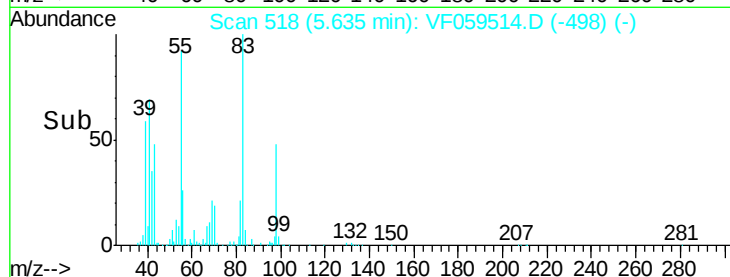
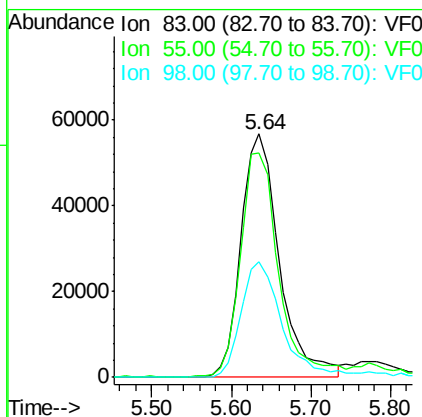
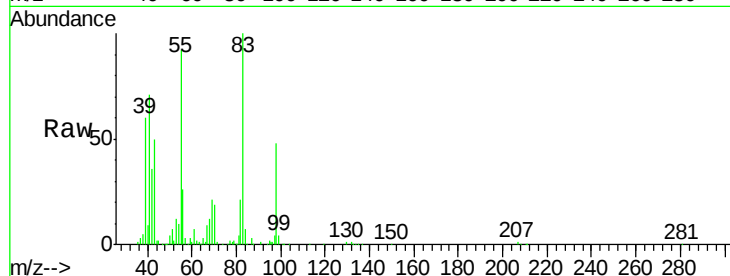
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	189331
Ion	Ratio	Lower	Upper
83	100		
55	92.2	70.2	105.4
98	47.7	36.2	54.2

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#40

Benzene

Concen: 66.21 ug/l

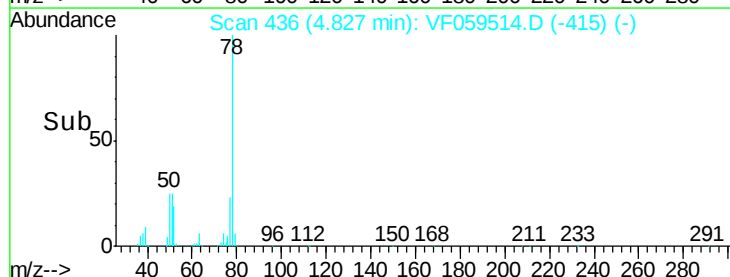
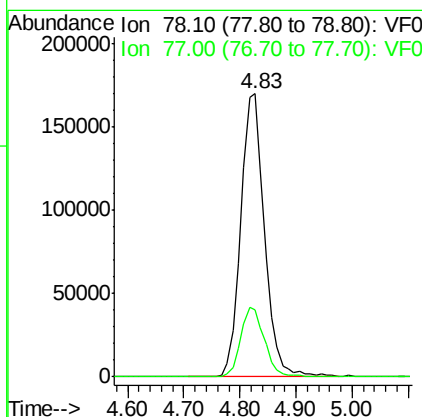
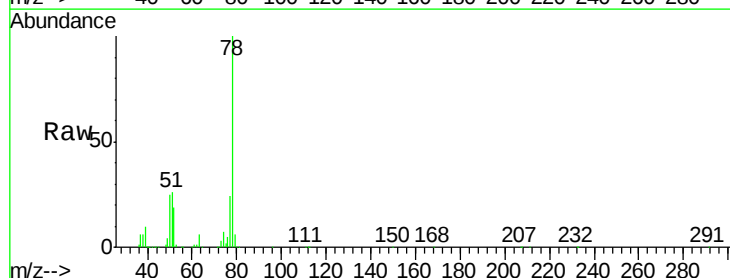
RT: 4.83 min Scan# 436

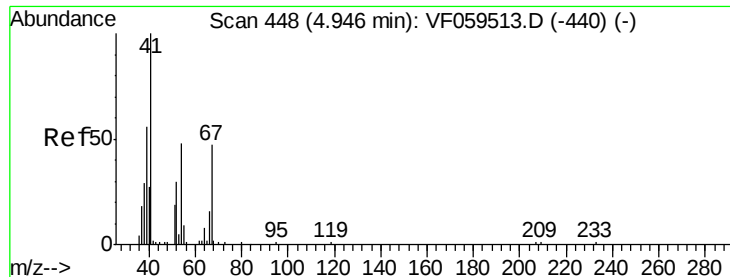
Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	78	Resp:	498672
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





#41

Methacrylonitrile

Concen: 66.04 ug/l

RT: 4.95 min Scan# 448

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 75533

Ion Ratio Lower Upper

41 100

39 77.5 49.4 74.0#

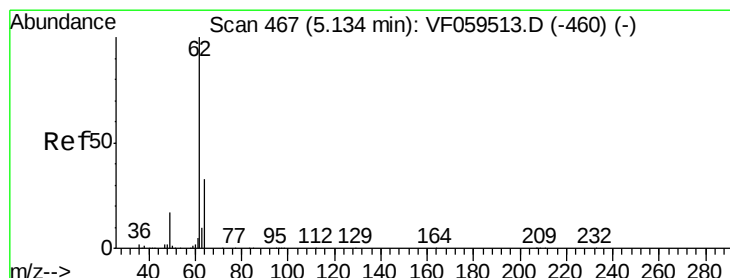
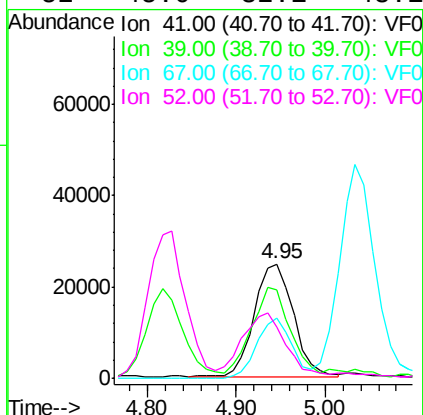
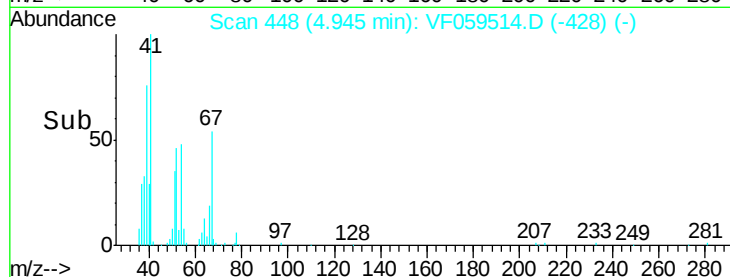
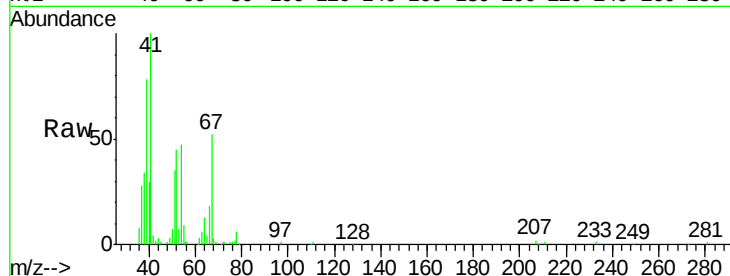
67 52.4 37.4 56.2

52 45.0 32.1 48.1

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 71.54 ug/l

RT: 5.13 min Scan# 467

Delta R.T. -0.00 min

Lab File: VF059514.D

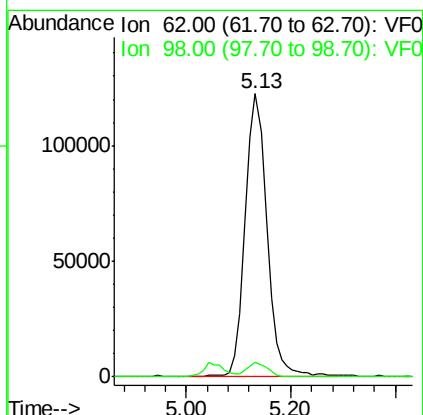
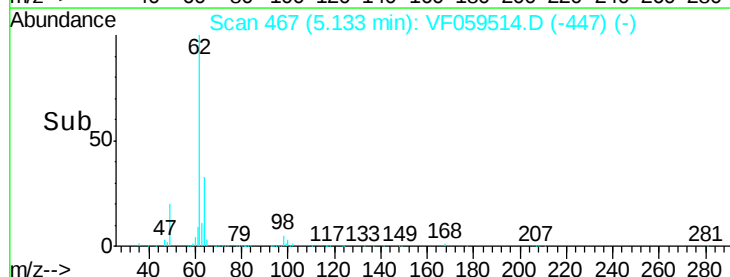
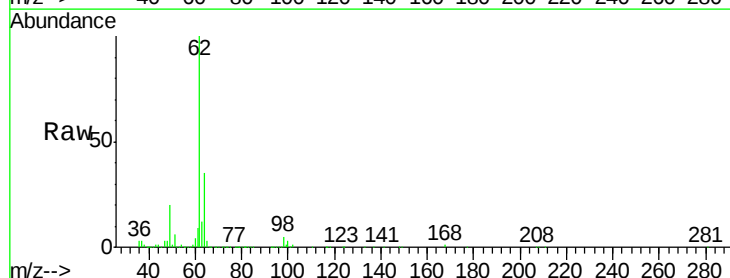
Acq: 17 Jul 2018 18:28

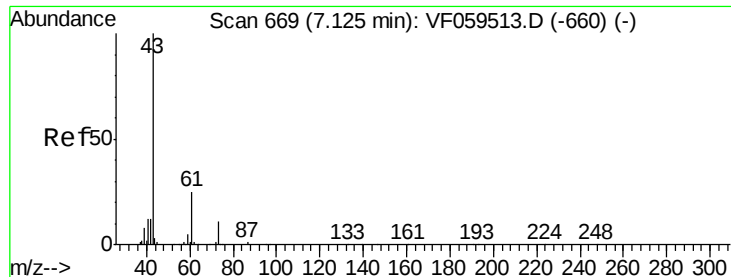
Tgt Ion: 62 Resp: 344932

Ion Ratio Lower Upper

62 100

98 5.1 0.0 9.6





#43

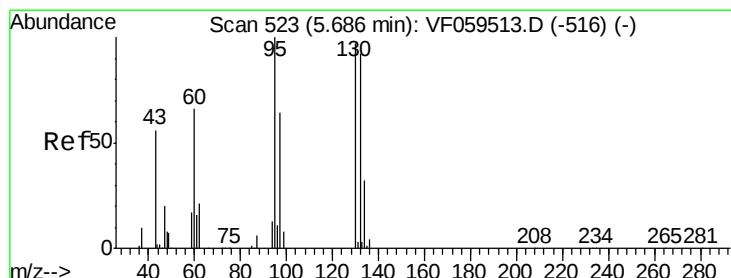
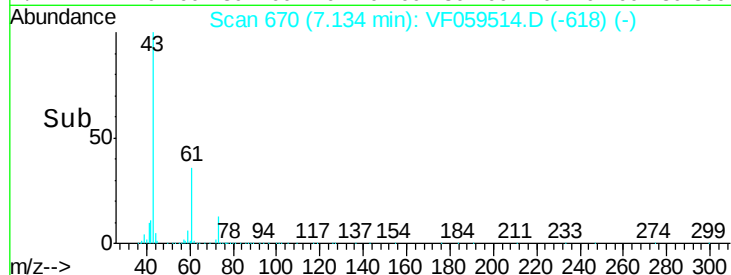
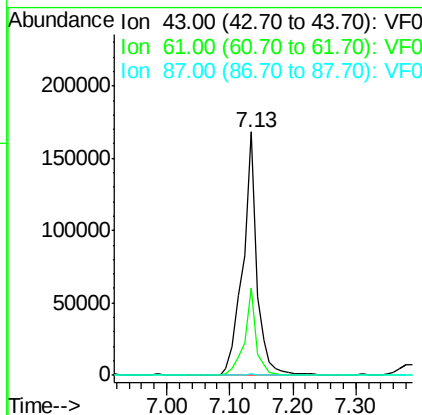
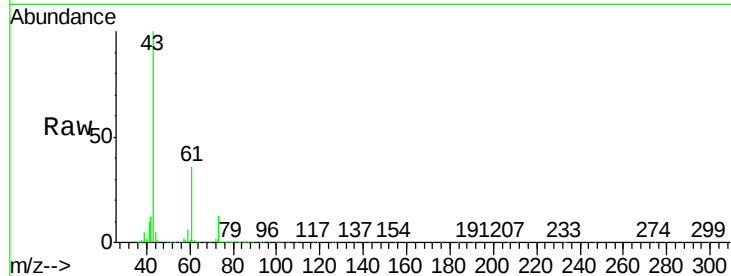
Isopropyl Acetate
 Concen: 89.73 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.9	20.3	30.5#
87	0.4	0.4	0.6

Manual Integrations
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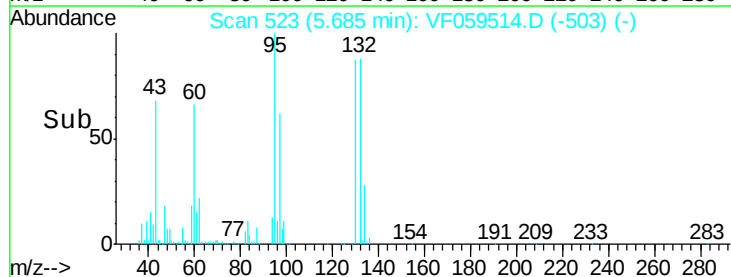
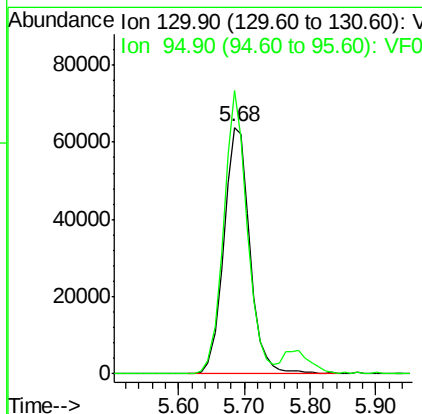
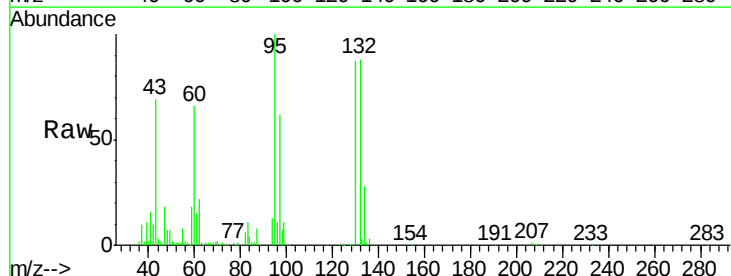
apatel
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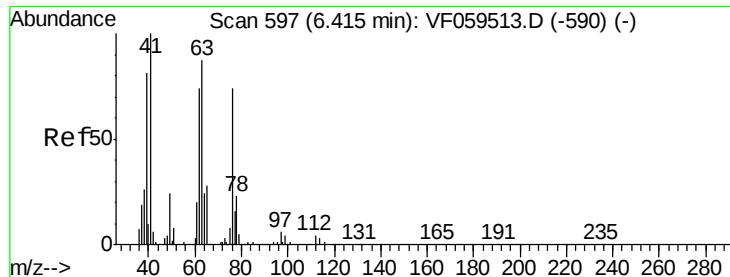


#44

Trichloroethene
 Concen: 64.92 ug/l
 RT: 5.68 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.8	0.0	206.6





#45

1,2-Dichloropropane

Concen: 67.71 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 144621

Ion Ratio Lower Upper

63 100

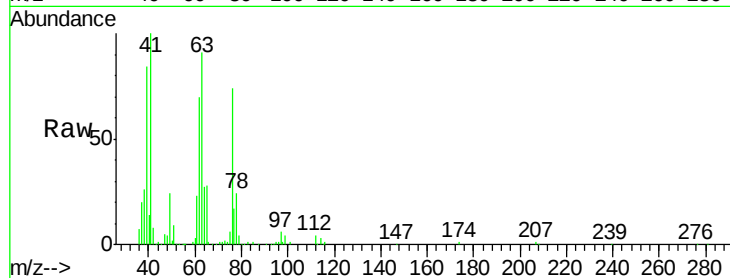
65 31.1 26.1 39.1

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

60000

50000

40000

30000

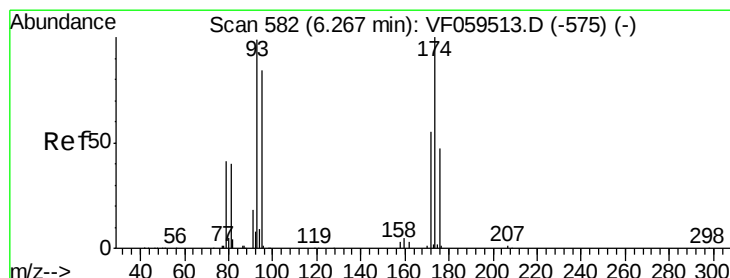
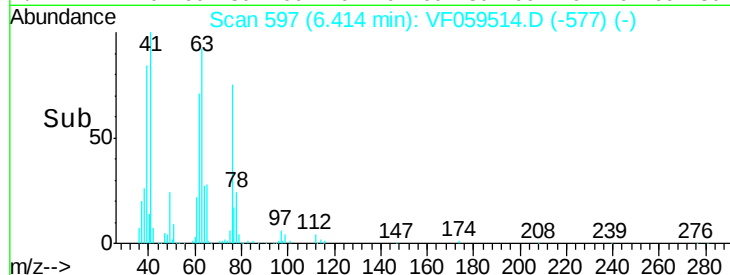
20000

10000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 70.60 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

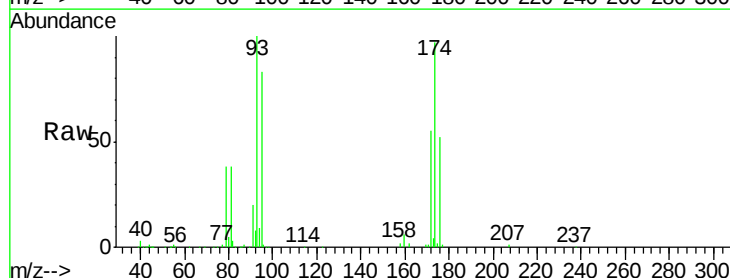
Tgt Ion: 93 Resp: 134719

Ion Ratio Lower Upper

93 100

95 82.9 68.3 102.5

174 97.1 81.2 121.8



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

60000

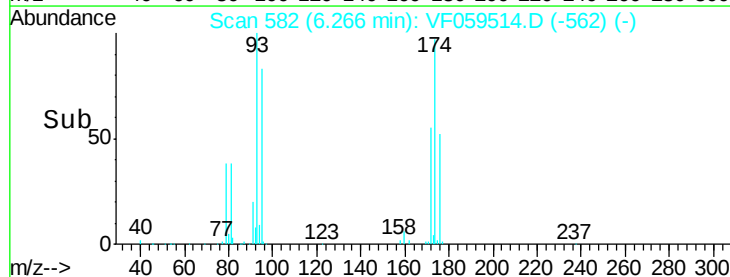
40000

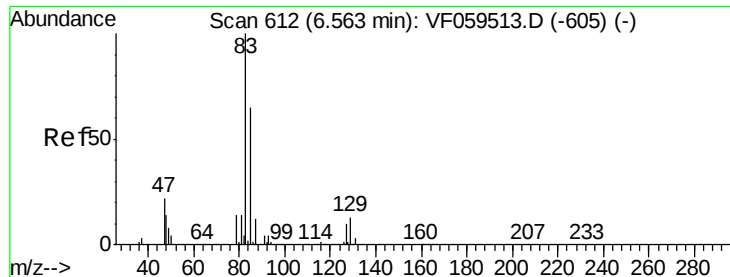
20000

0

6.10 6.20 6.30 6.40 6.50

Time-->





#47

Bromodichloromethane

Concen: 68.07 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

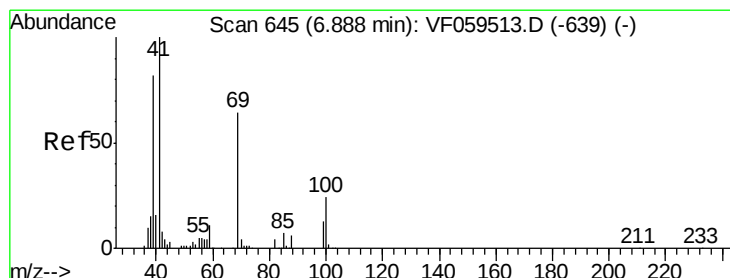
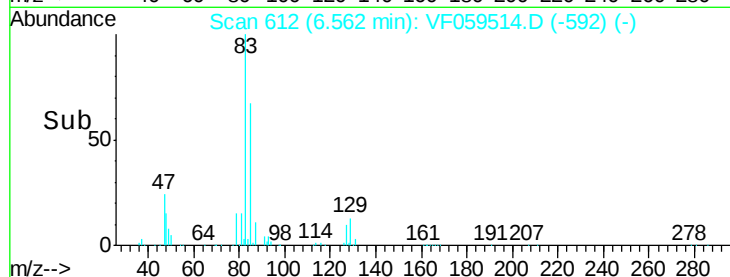
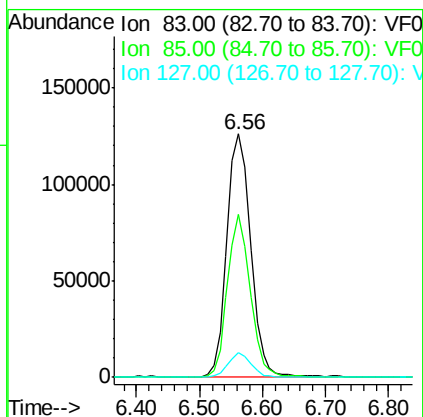
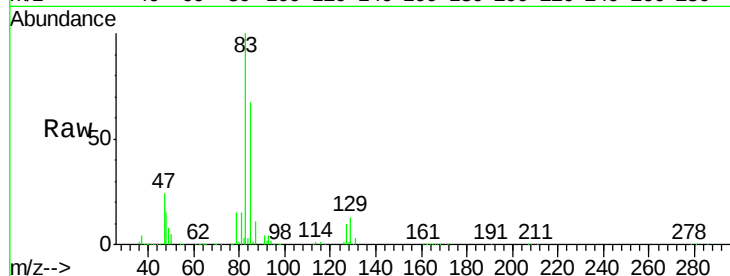
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	331907
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.4	78.6
127	10.2	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 72.30 ug/l

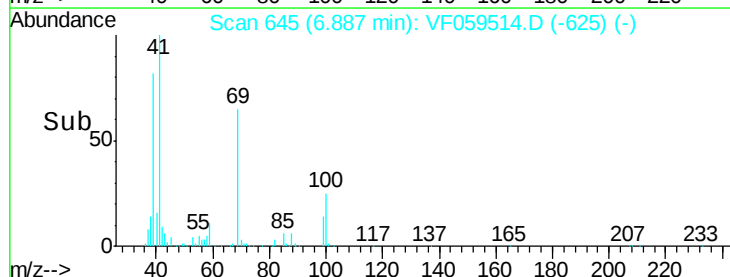
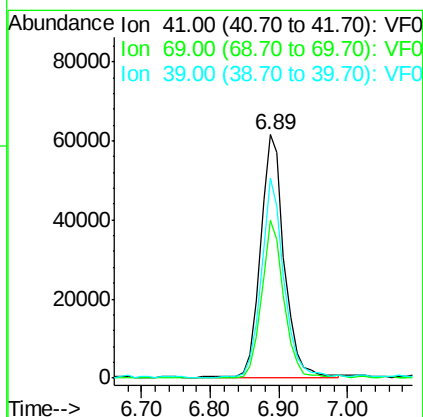
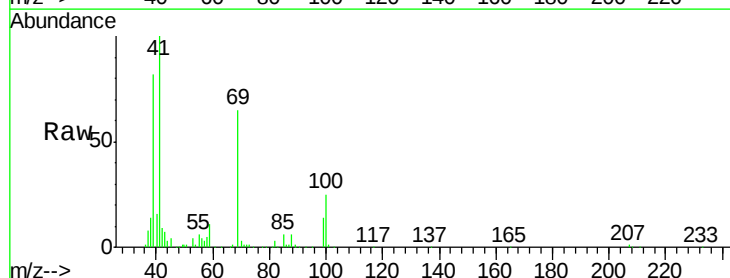
RT: 6.89 min Scan# 645

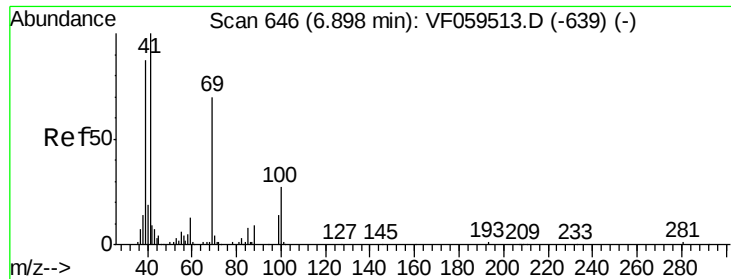
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	41	Resp:	148041
Ion	Ratio	Lower	Upper
41	100		
69	65.1	51.3	76.9
39	82.1	65.3	97.9





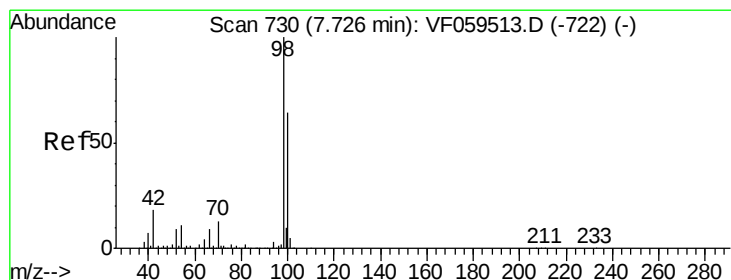
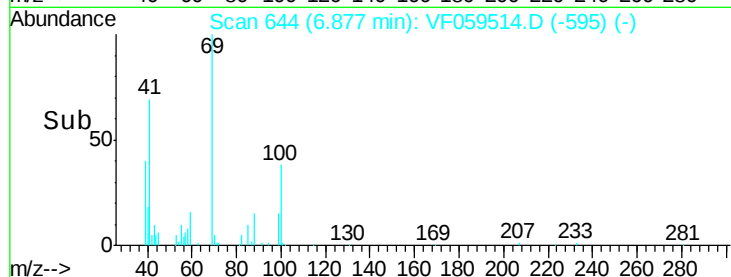
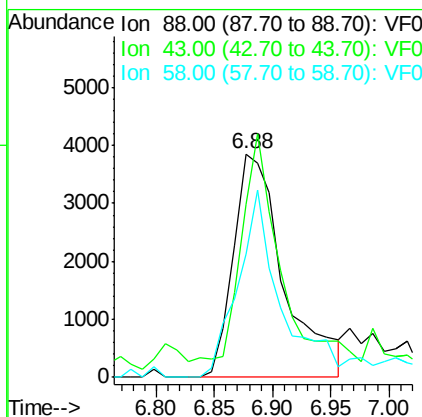
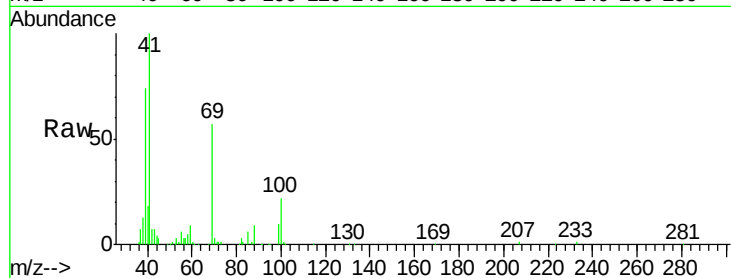
#49
1,4-Dioxane
Concen: 1258.82 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.02 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	77.4	64.8	97.2
58	55.3	44.1	66.1

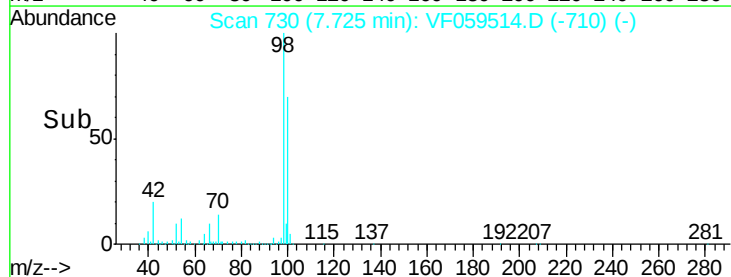
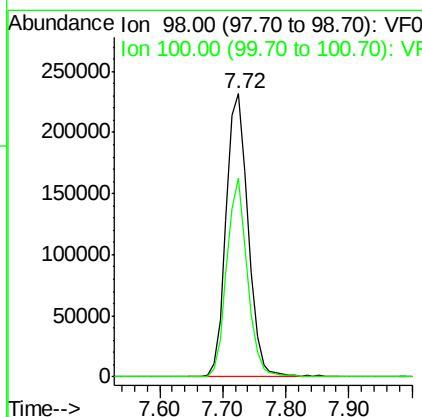
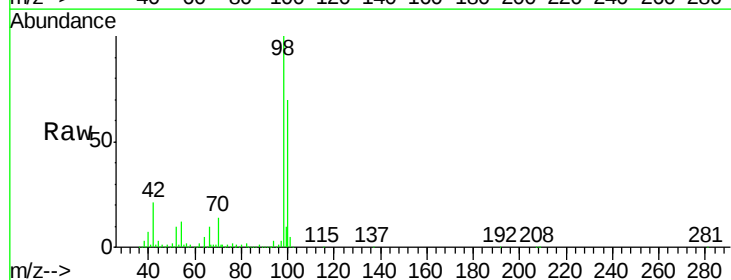
Manual Integrations
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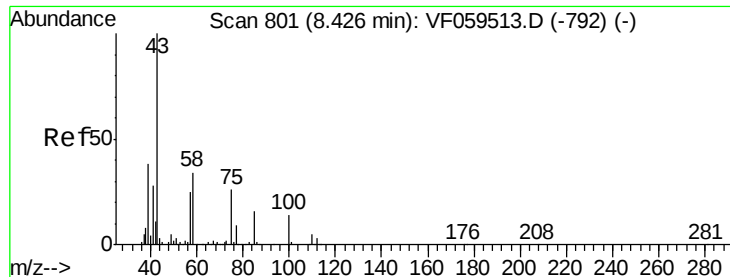
apatel
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#50
Toluene-d8
Concen: 68.73 ug/l
RT: 7.72 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 342.90 ug/l

RT: 8.42 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 683437

Ion Ratio Lower Upper

43 100

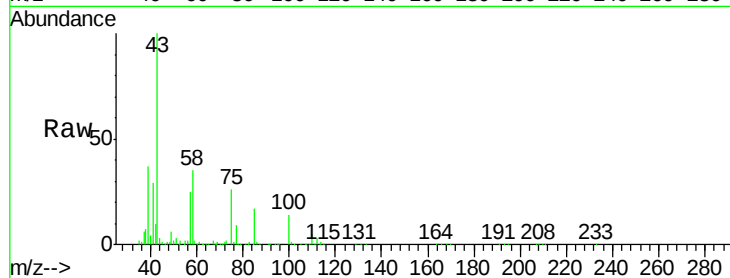
58 34.9 27.4 41.2

Manual Integrations

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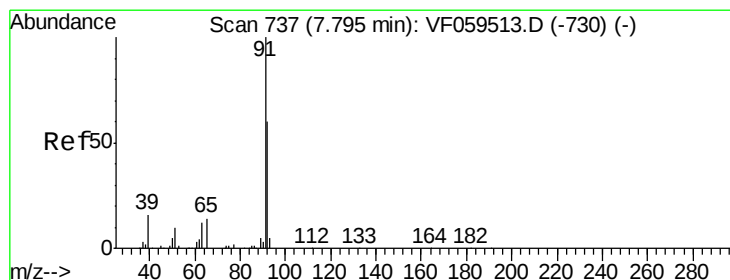
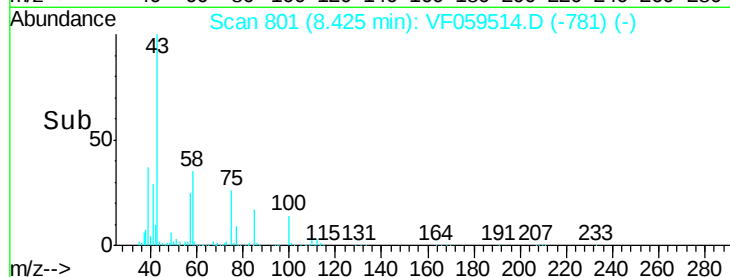
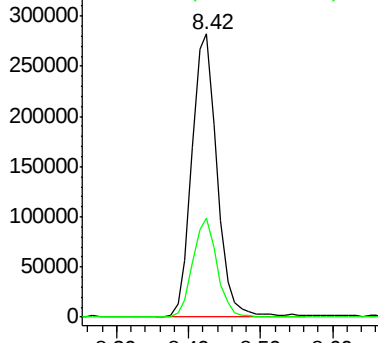
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 67.91 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059514.D

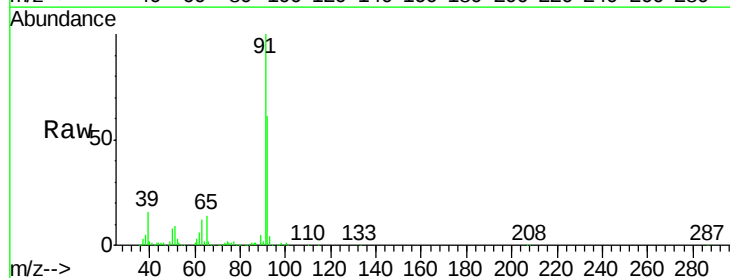
Acq: 17 Jul 2018 18:28

Tgt Ion: 92 Resp: 367800

Ion Ratio Lower Upper

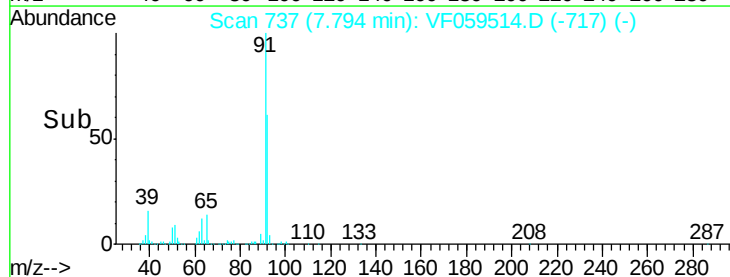
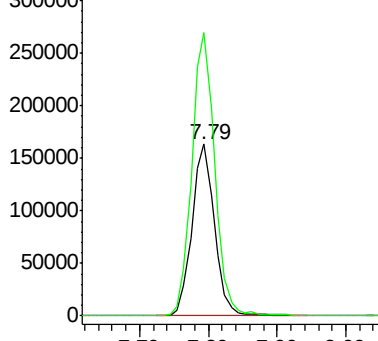
92 100

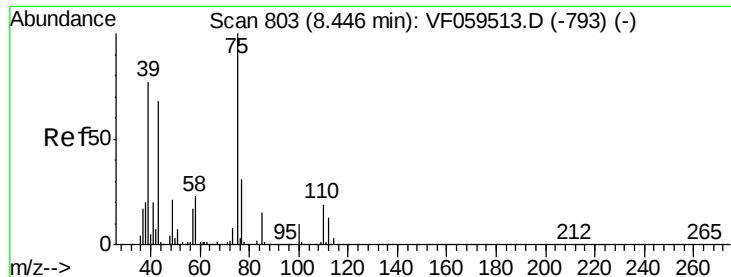
91 165.1 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 69.97 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 301509

Ion Ratio Lower Upper

75 100

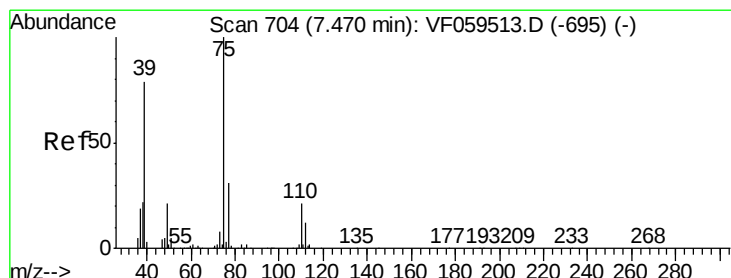
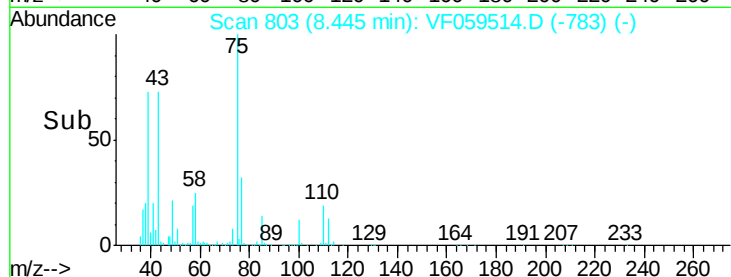
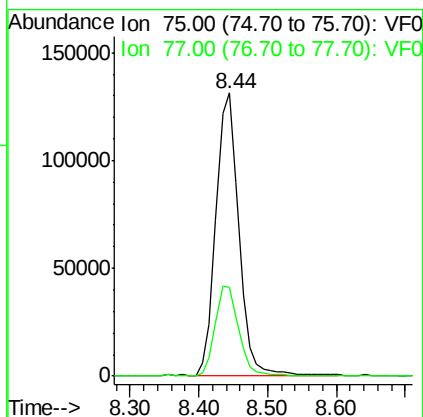
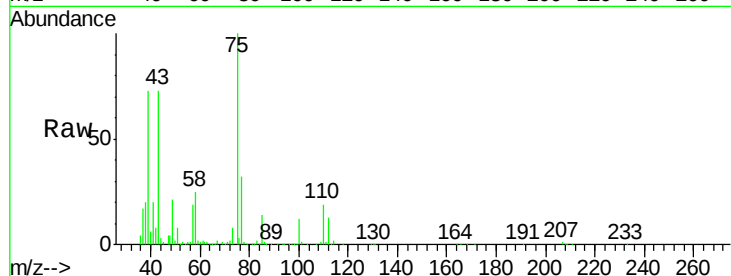
77 31.5 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 69.14 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

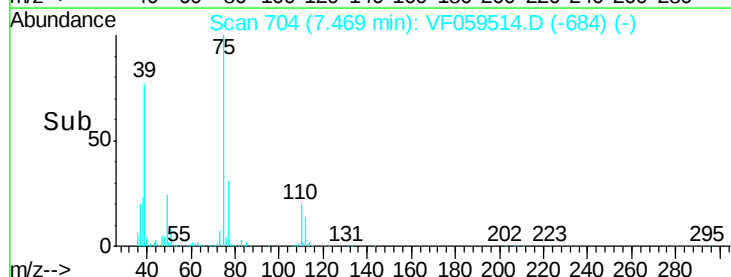
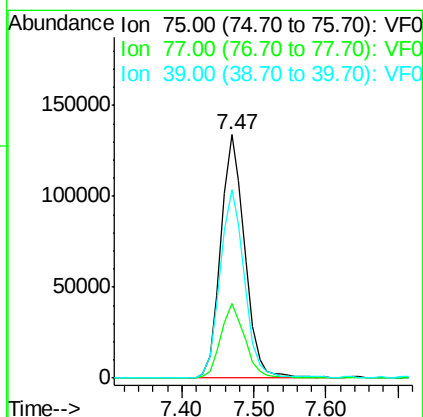
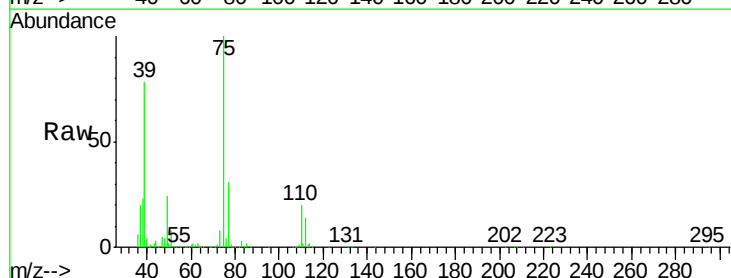
Tgt Ion: 75 Resp: 309134

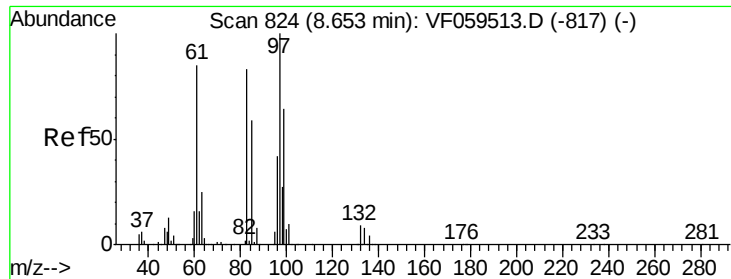
Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

39 77.5 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 67.92 ug/l

RT: 8.65 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

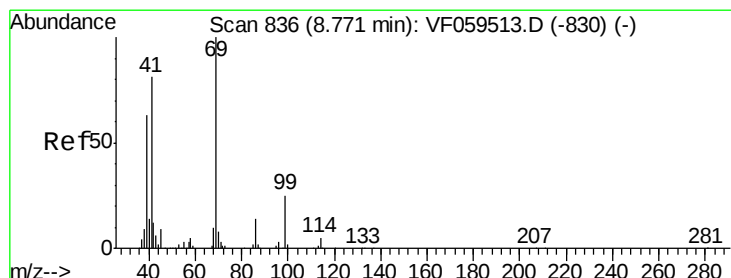
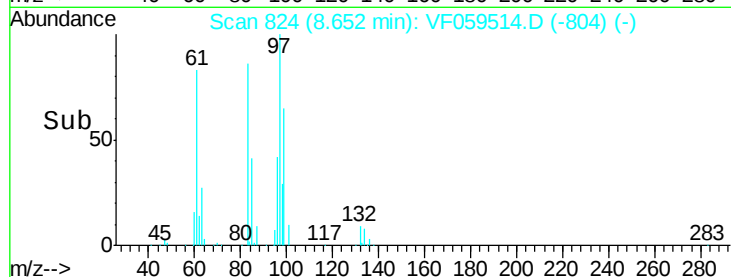
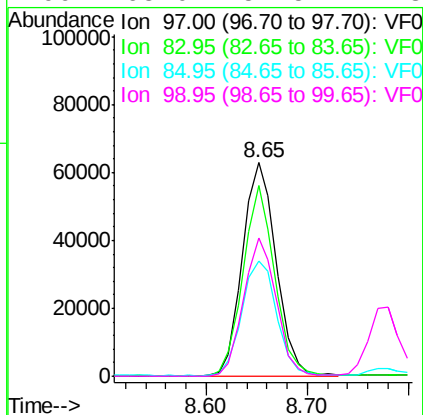
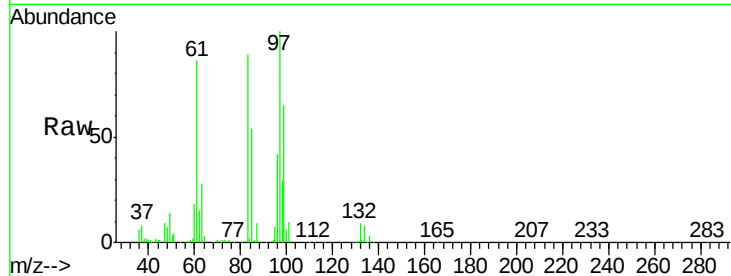
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146515		
83	89.5	66.9	100.3		
85	54.0	46.9	70.3		
99	65.0	51.5	77.3		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 68.28 ug/l

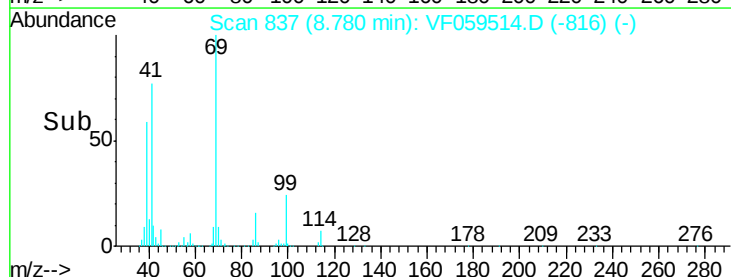
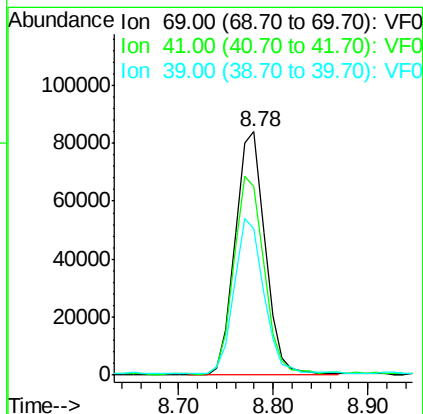
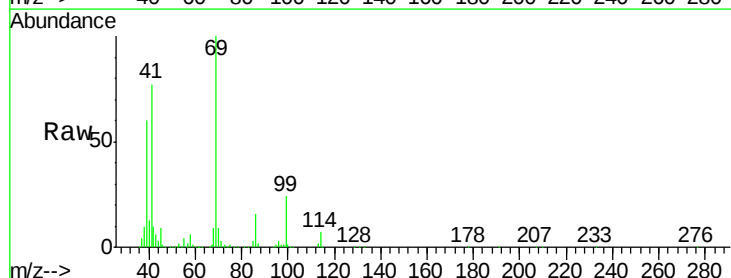
RT: 8.78 min Scan# 837

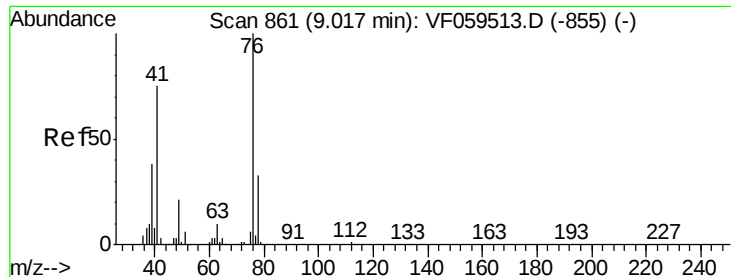
Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		185507		
41	77.2	65.4	98.2		
39	60.2	51.0	76.4		





#57

1,3-Dichloropropane

Concen: 70.15 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 257435

Ion Ratio Lower Upper

76 100

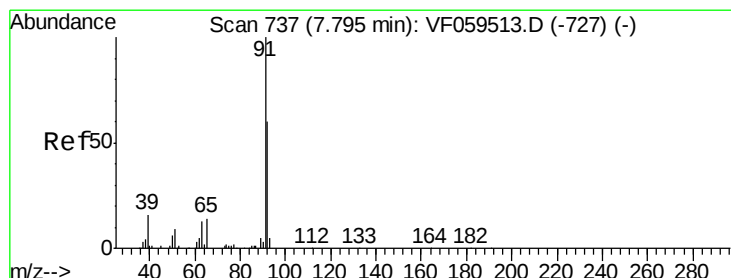
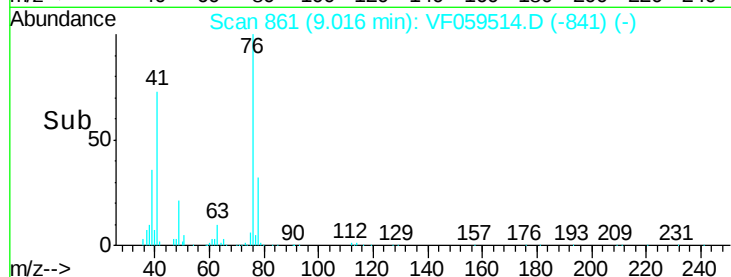
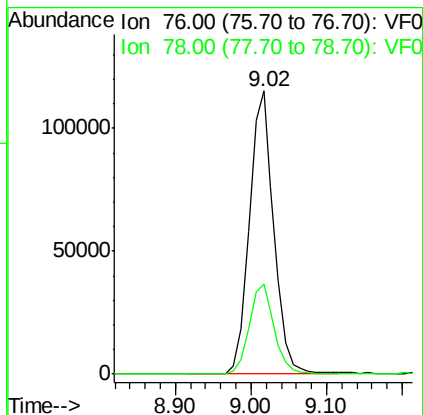
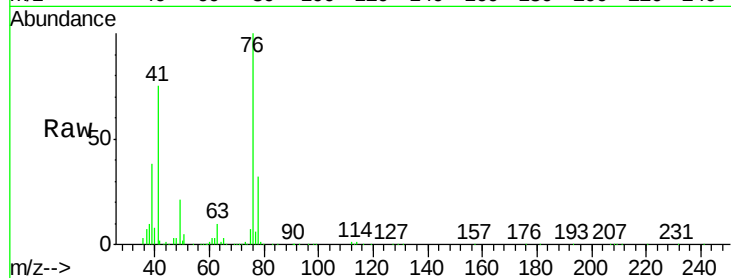
78 31.7 26.4 39.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 320.27 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059514.D

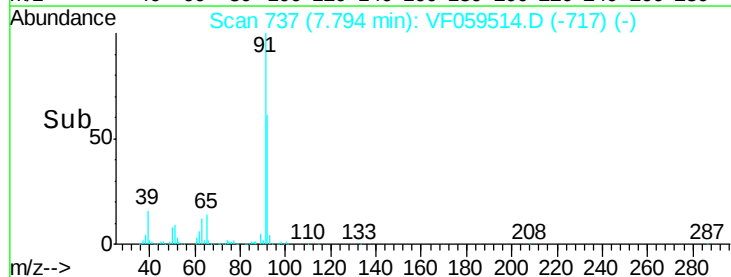
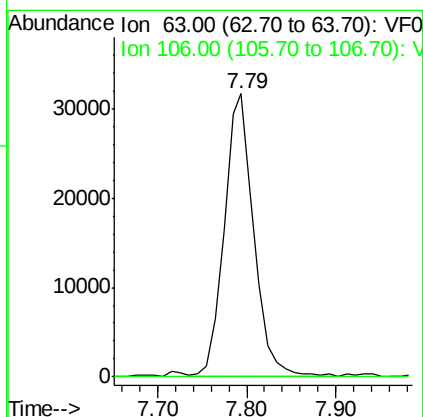
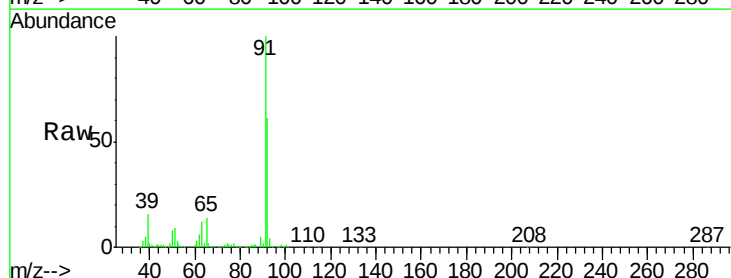
Acq: 17 Jul 2018 18:28

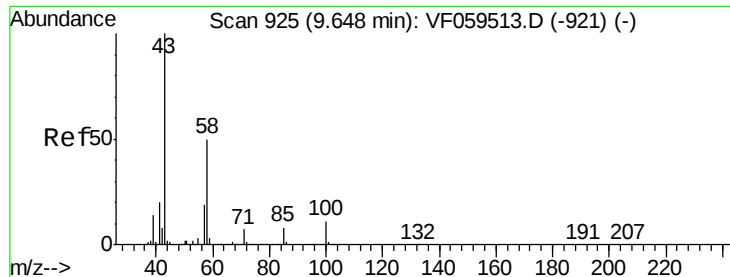
Tgt Ion: 63 Resp: 72656

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





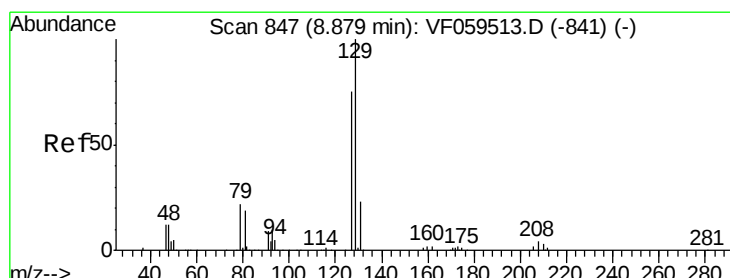
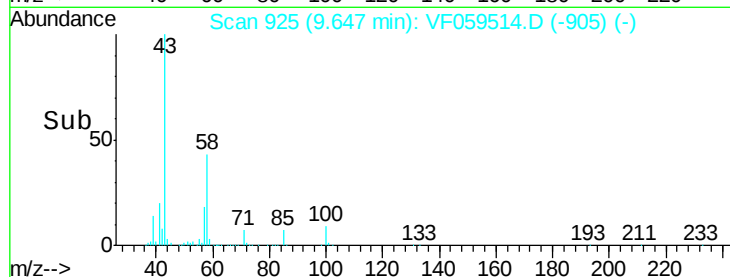
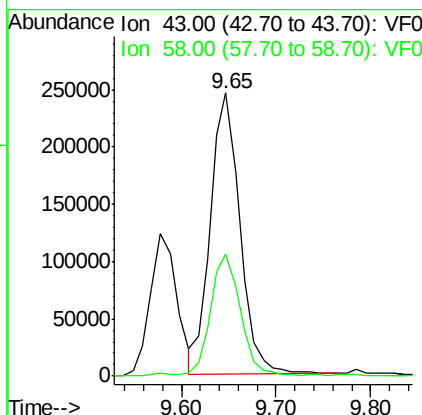
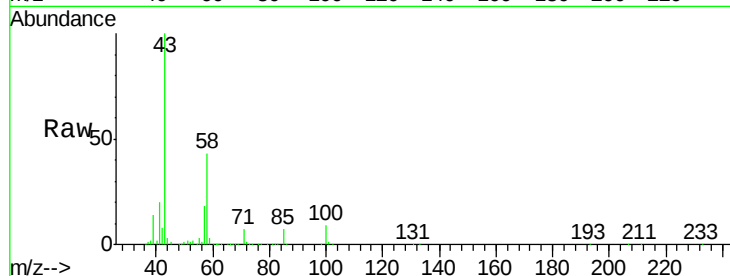
#59
2-Hexanone
Concen: 341.22 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.3	23.3	69.9

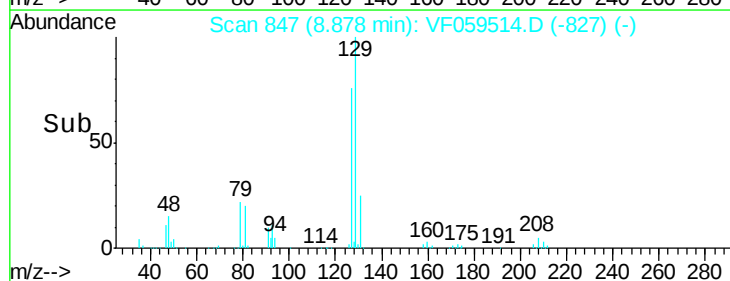
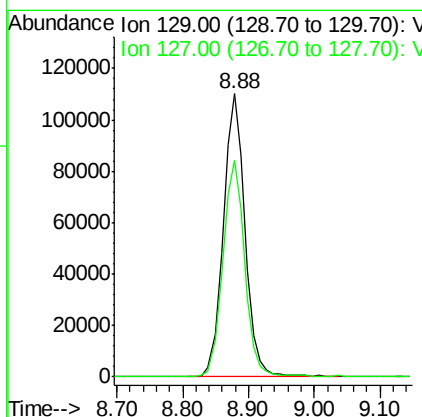
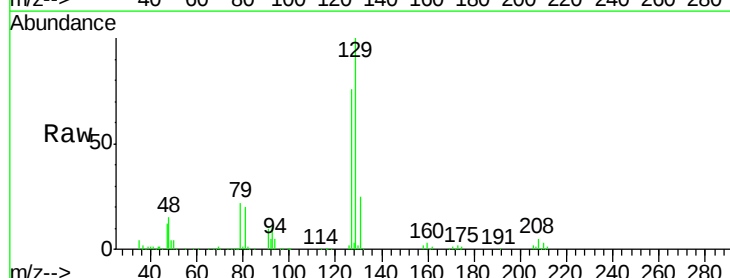
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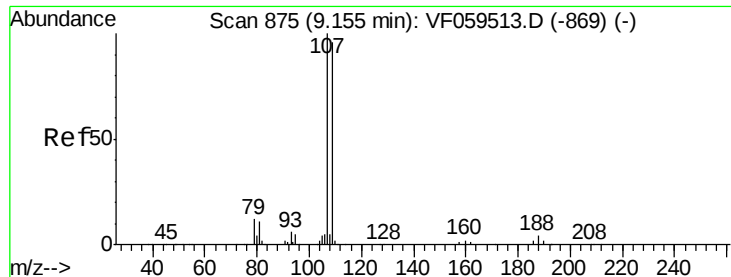
apatel
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#60
Dibromochloromethane
Concen: 72.54 ug/l
RT: 8.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	37.6	112.8





#61

1,2-Dibromoethane

Concen: 71.87 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 187624

Ion Ratio Lower Upper

107 100

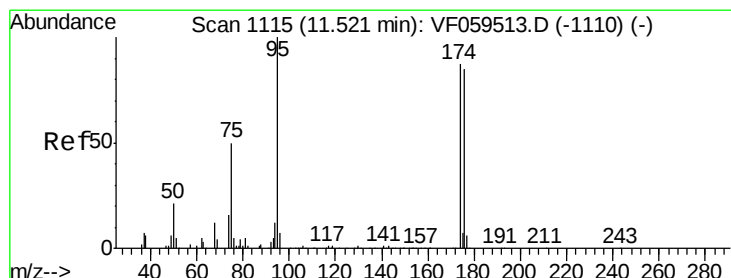
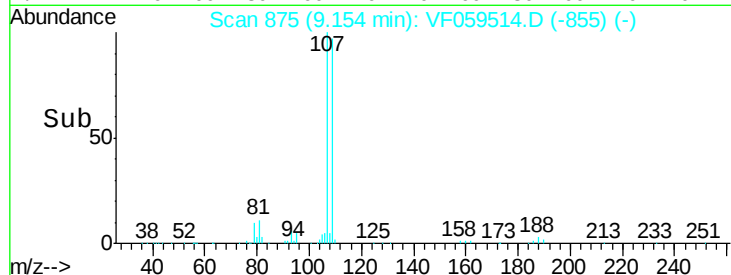
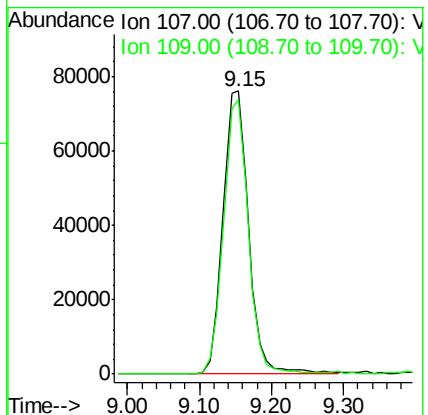
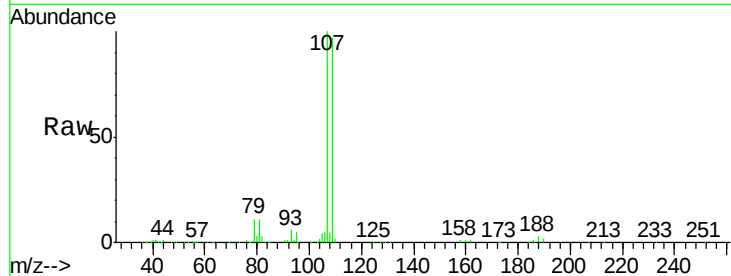
109 96.8 76.5 114.7

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#62

4-Bromofluorobenzene

Concen: 70.54 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

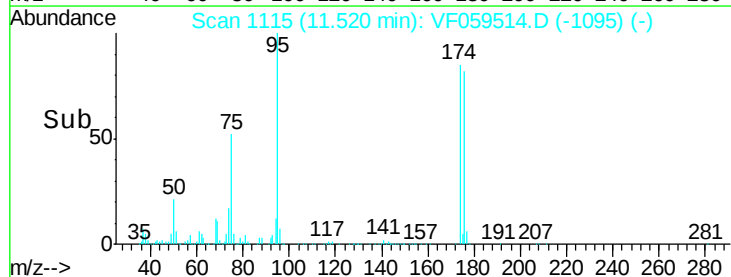
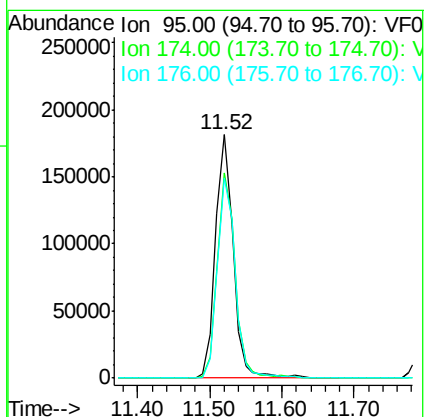
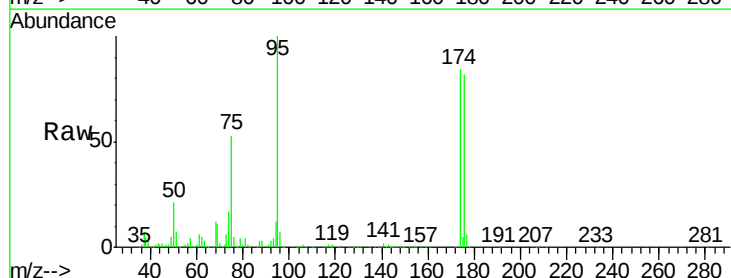
Tgt Ion: 95 Resp: 306404

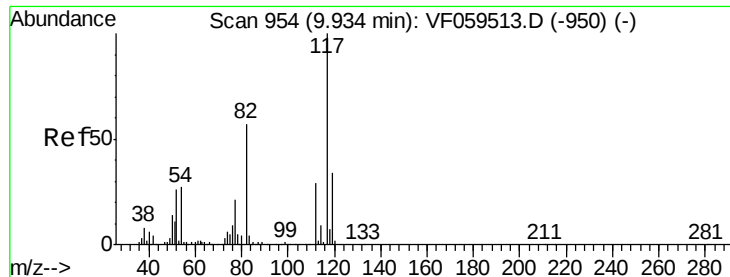
Ion Ratio Lower Upper

95 100

174 84.5 0.0 174.4

176 82.1 0.0 169.4





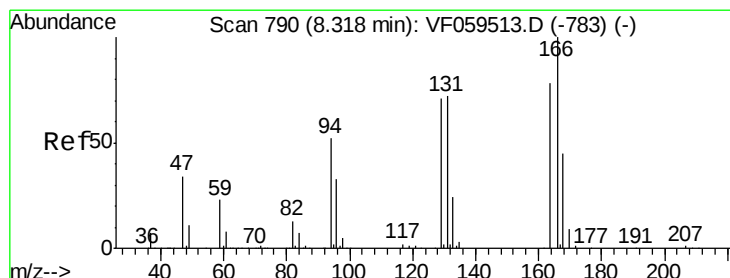
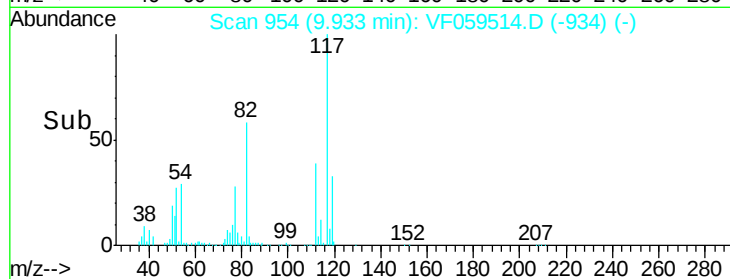
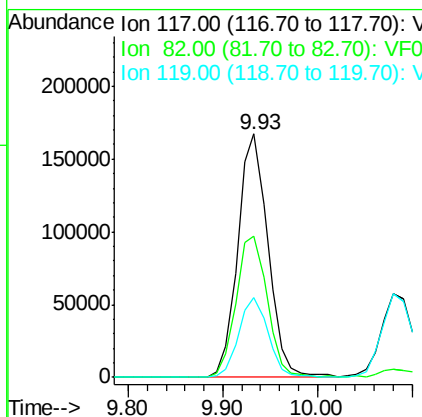
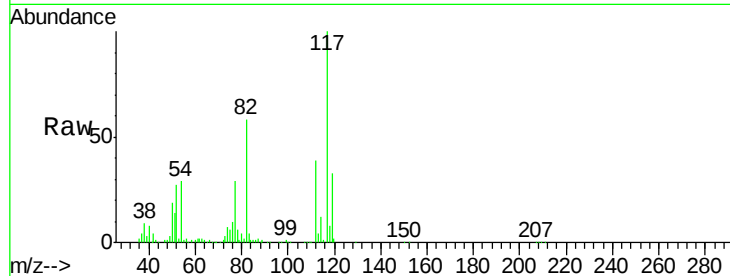
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	371362		
82	57.9		46.1	69.1
119	32.6		27.2	40.8

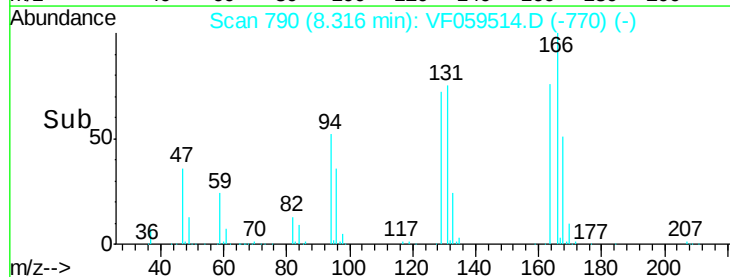
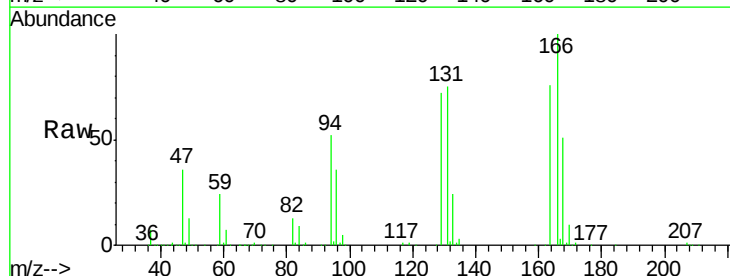
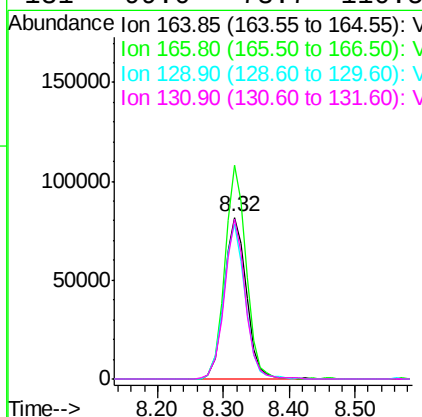
Manual Integrations
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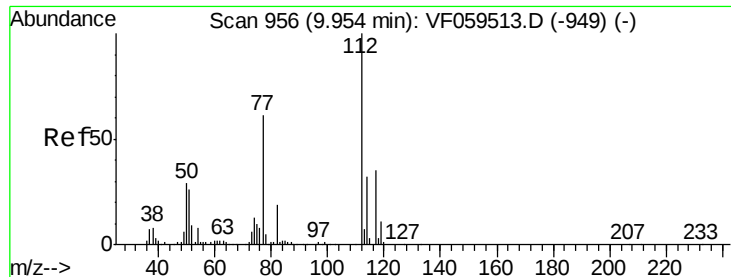
apatel
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#64
Tetrachloroethene
Concen: 66.29 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194102		
166	132.2		102.3	153.5
129	95.7		72.4	108.6
131	99.0		73.7	110.5





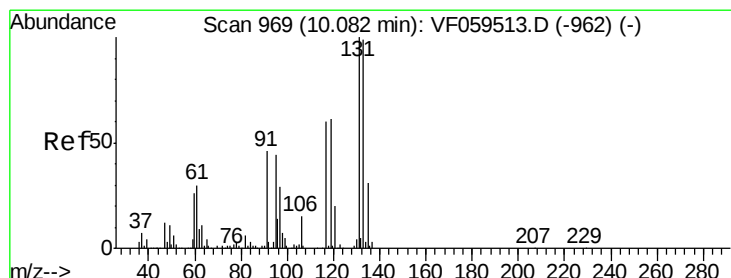
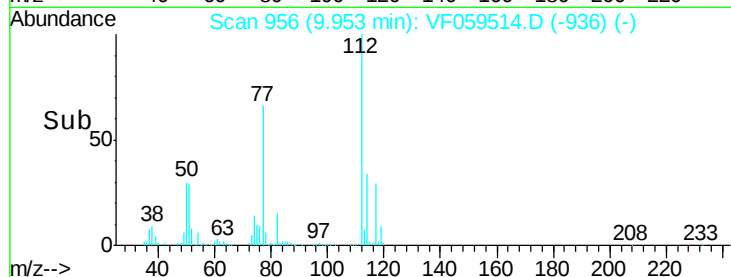
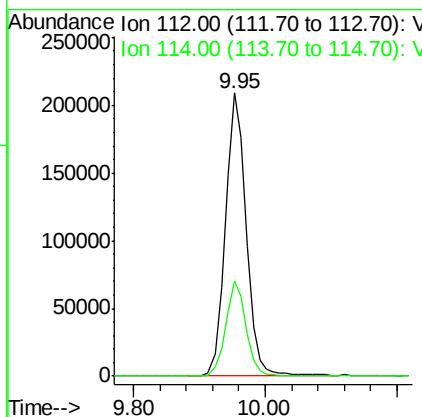
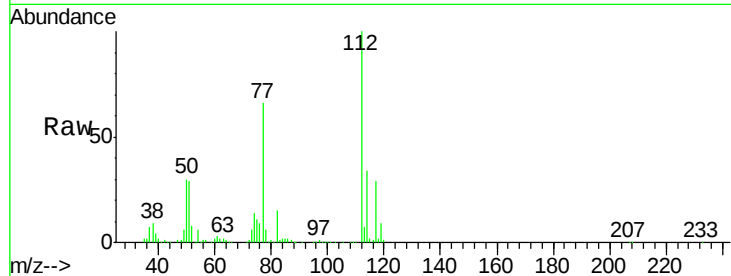
#65
Chlorobenzene
Concen: 66.38 ug/l
RT: 9.95 min Scan# 956
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 463674
Ion Ratio Lower Upper
112 100
114 33.8 25.4 38.2

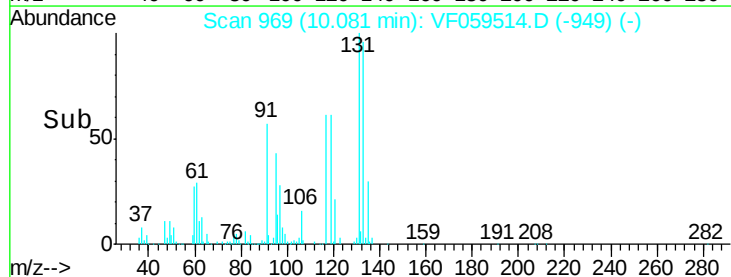
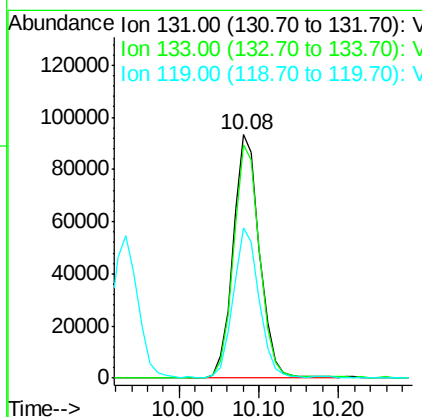
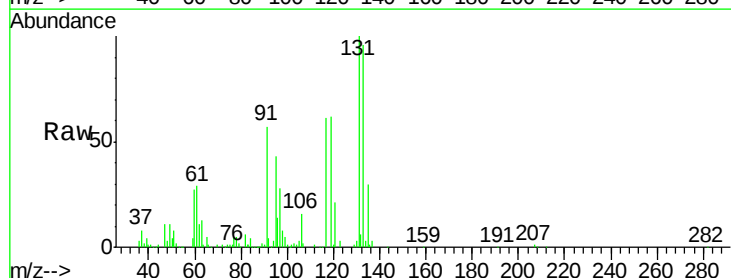
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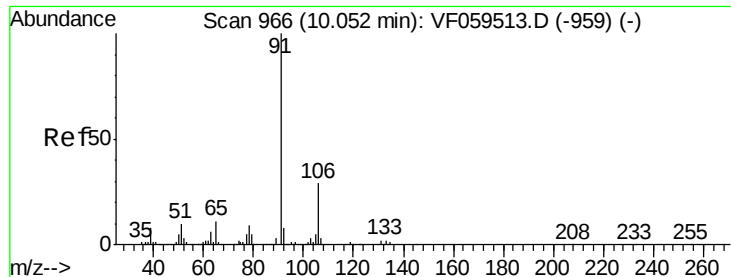
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#66
1,1,1,2-Tetrachloroethane
Concen: 68.12 ug/l
RT: 10.08 min Scan# 969
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion:131 Resp: 215413
Ion Ratio Lower Upper
131 100
133 95.8 49.6 148.8
119 61.5 31.4 94.3





#67

Ethyl Benzene

Concen: 66.39 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 827328

Ion Ratio Lower Upper

91 100

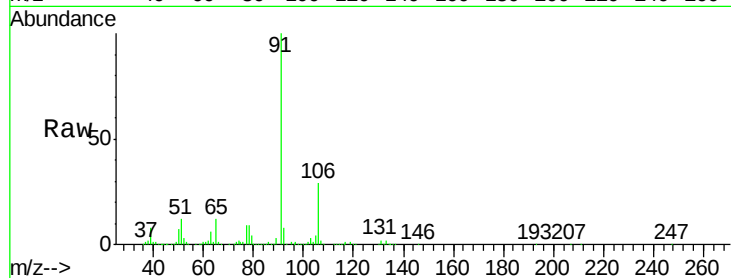
106 29.4 23.4 35.2

Manual Integrations

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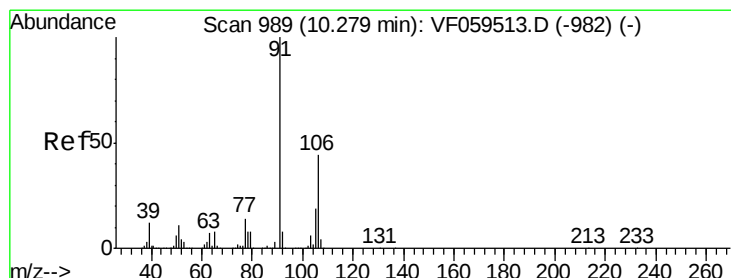
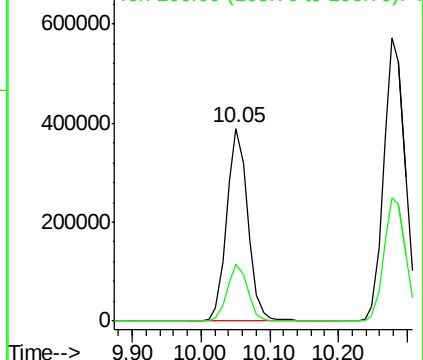
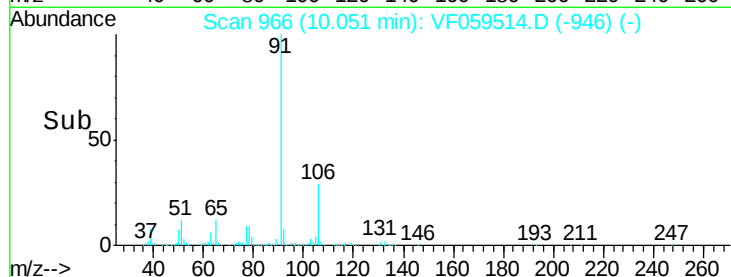
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 123.92 ug/l

RT: 10.28 min Scan# 989

Delta R.T. -0.00 min

Lab File: VF059514.D

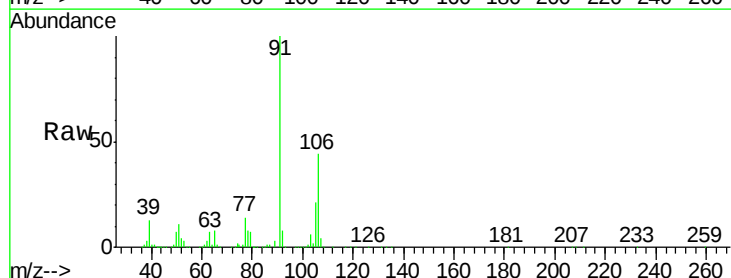
Acq: 17 Jul 2018 18:28

Tgt Ion: 106 Resp: 553131

Ion Ratio Lower Upper

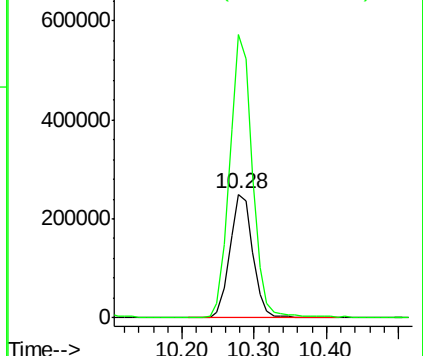
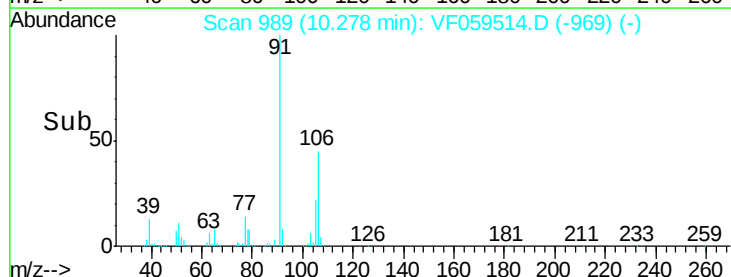
106 100

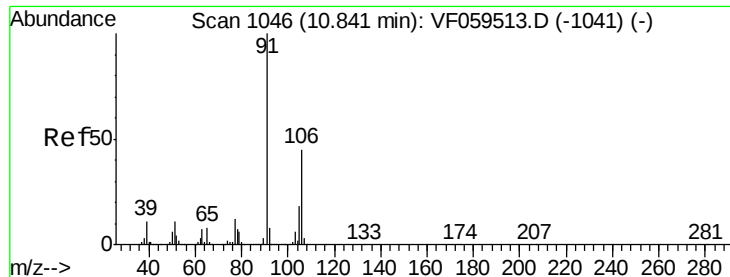
91 229.2 181.0 271.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





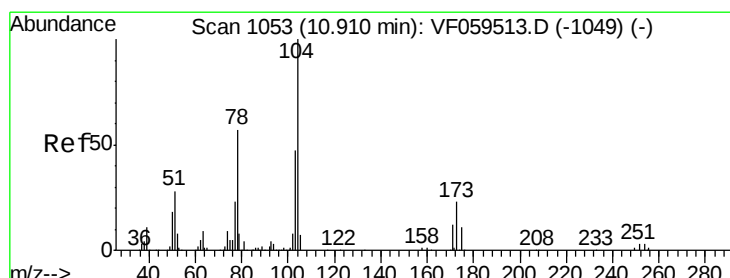
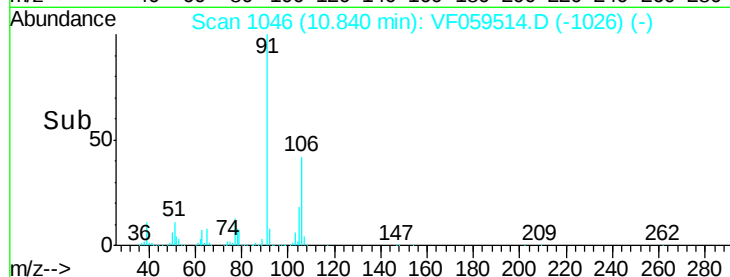
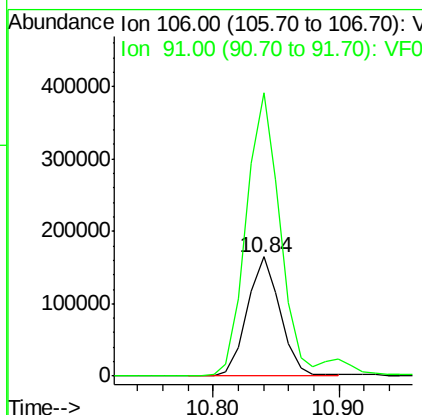
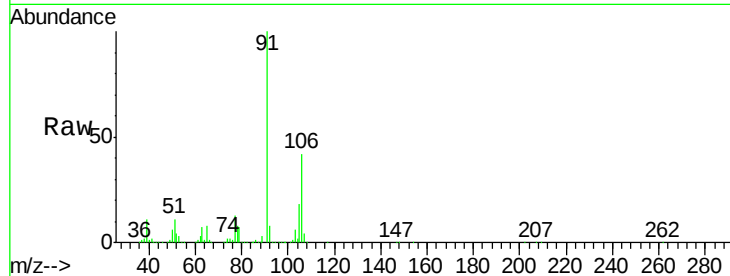
#69
o-Xylene
Concen: 64.64 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		299852		
91	237.4	112.3	336.9		

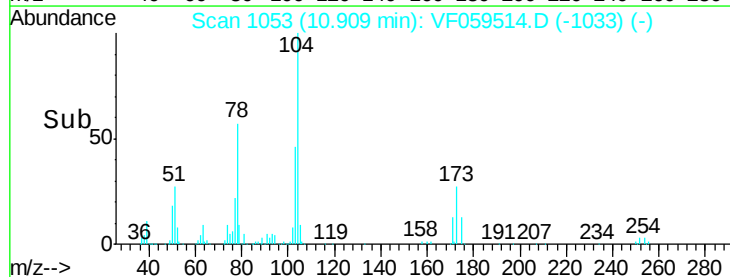
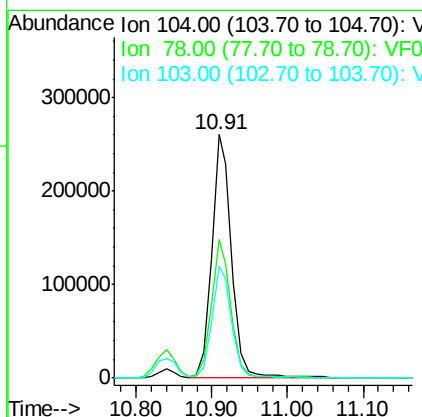
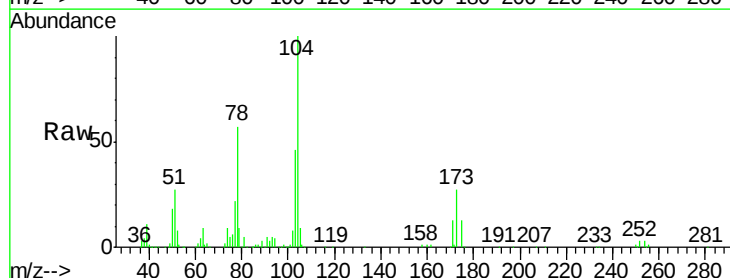
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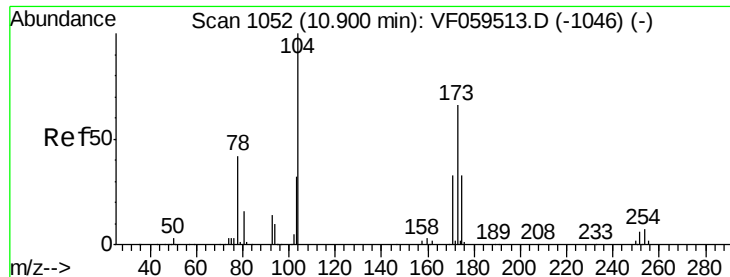
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#70
Styrene
Concen: 64.34 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		472168		
78	56.9	45.7	68.5		
103	45.8	38.1	57.1		





#71

Bromoform

Concen: 69.32 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

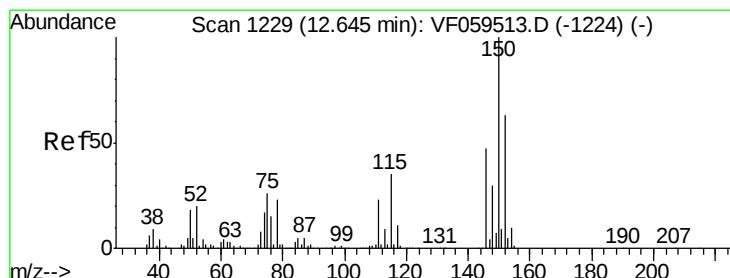
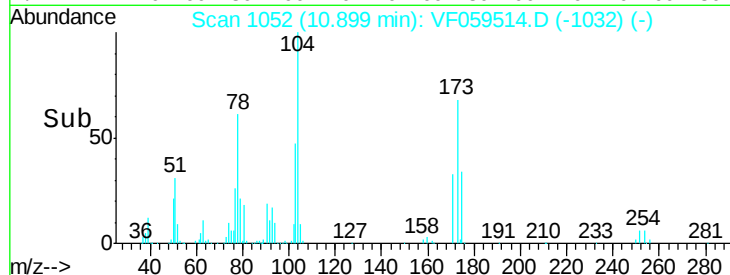
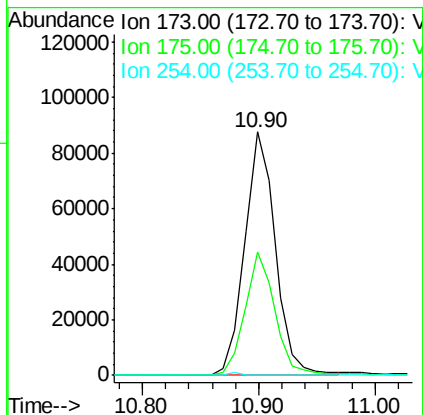
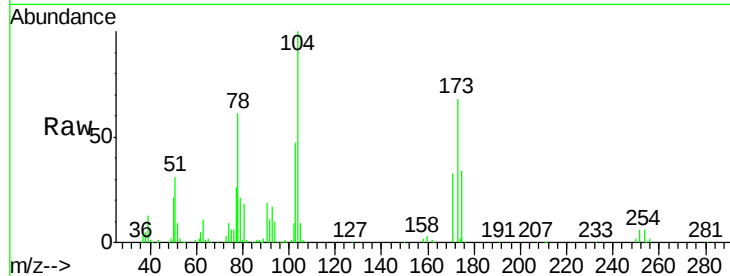
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	25.3	75.8
254	0.2	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

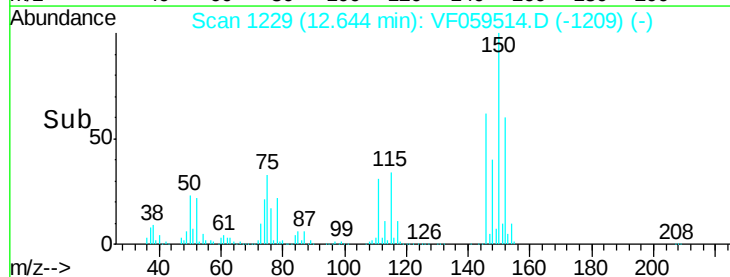
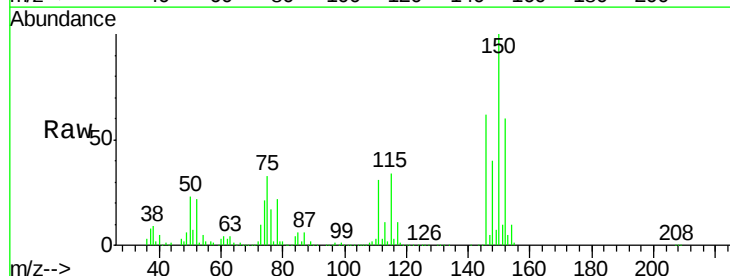
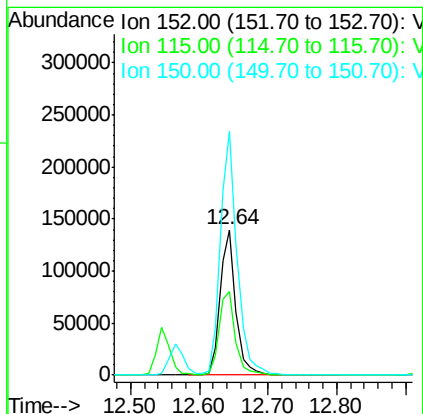
RT: 12.64 min Scan# 1229

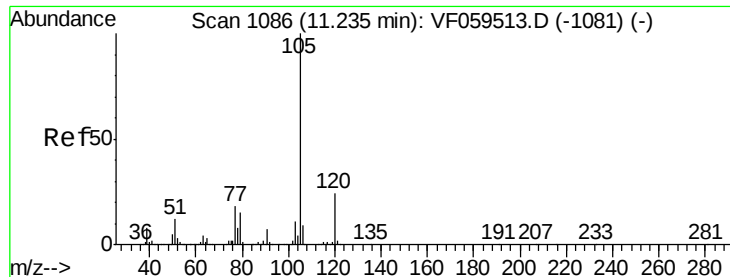
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.8	83.3
150	167.7	0.0	318.4





#73

Isopropylbenzene

Concen: 65.85 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 923676

Ion Ratio Lower Upper

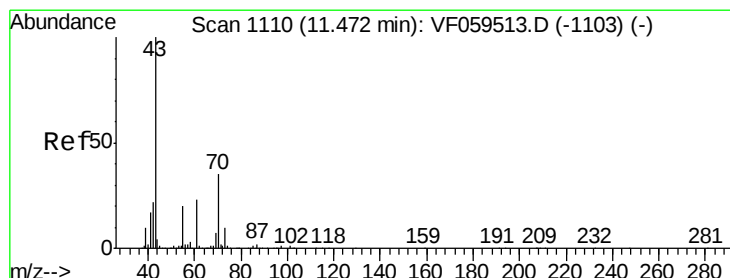
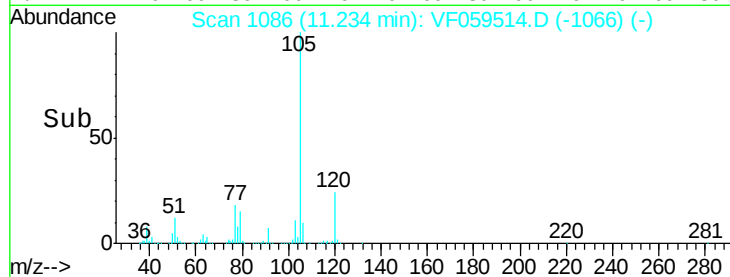
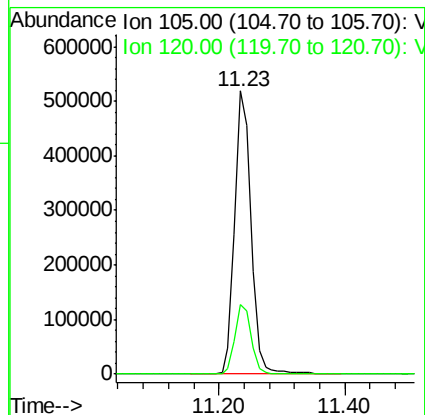
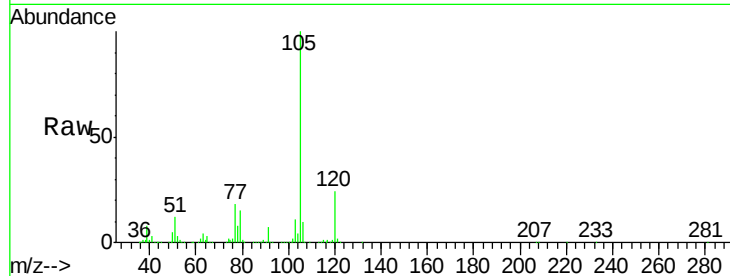
105 100

120 24.4 12.0 36.0

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#74

N-ethyl acetate

Concen: 62.58 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion: 43 Resp: 311488

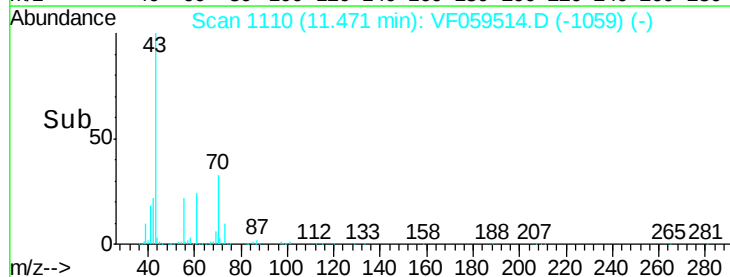
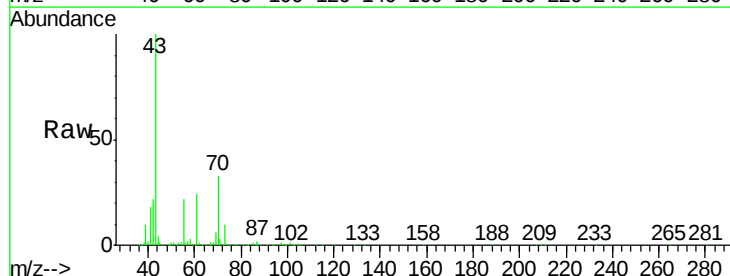
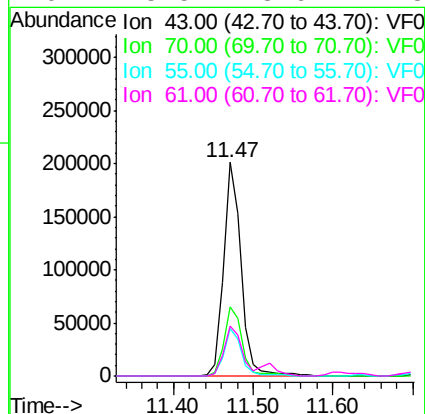
Ion Ratio Lower Upper

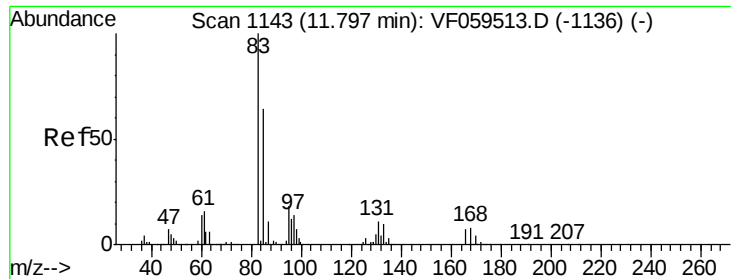
43 100

70 32.6 27.9 41.9

55 22.2 16.2 24.2

61 23.5 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 67.57 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

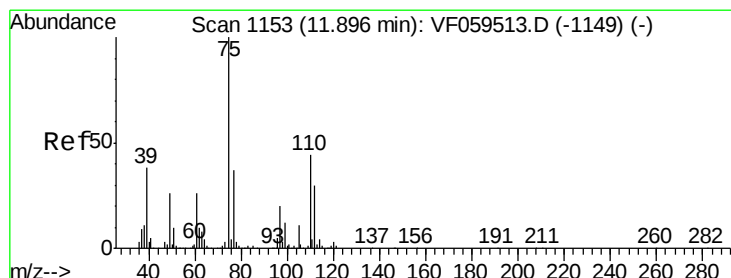
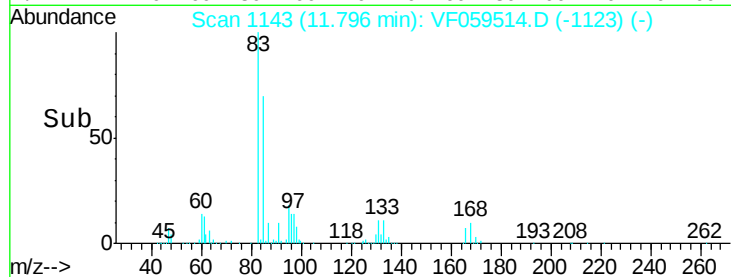
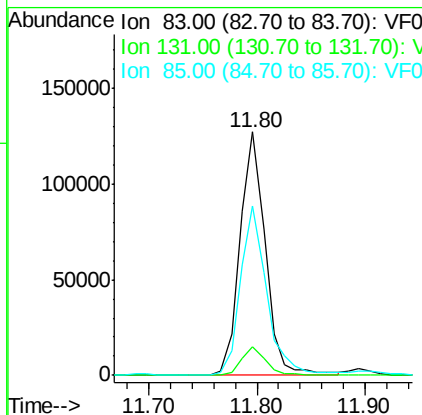
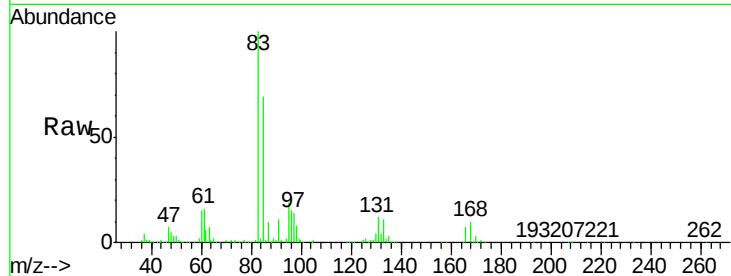
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	207839
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.7	17.1
85	69.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 67.30 ug/l

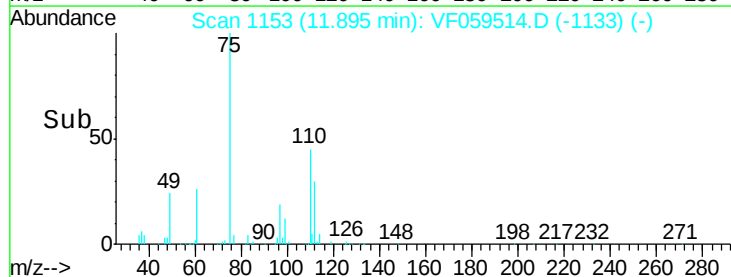
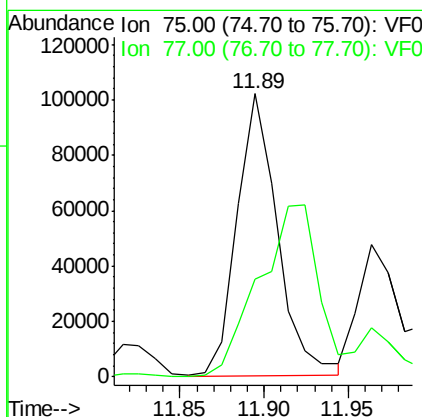
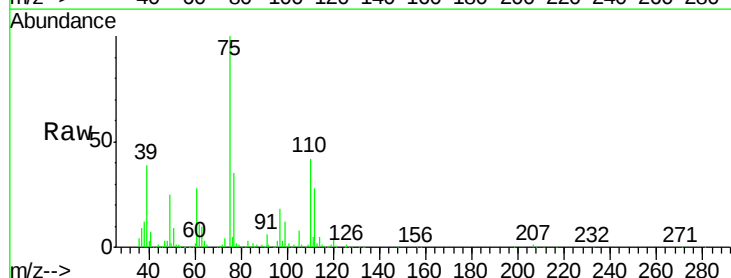
RT: 11.89 min Scan# 1153

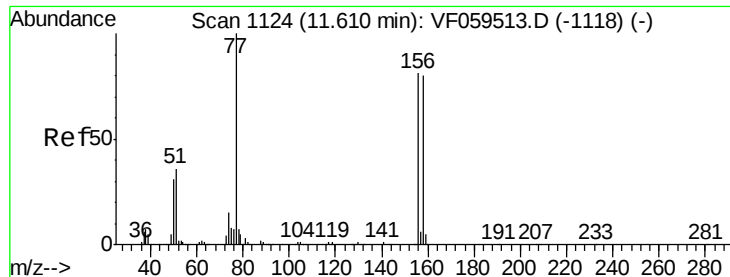
Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	75	Resp:	170675
Ion Ratio	Lower	Upper	
75	100		
77	34.5	18.7	56.1





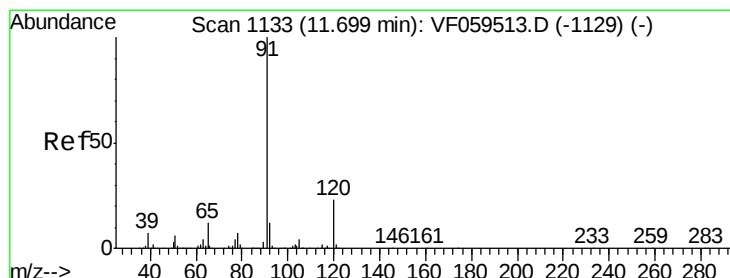
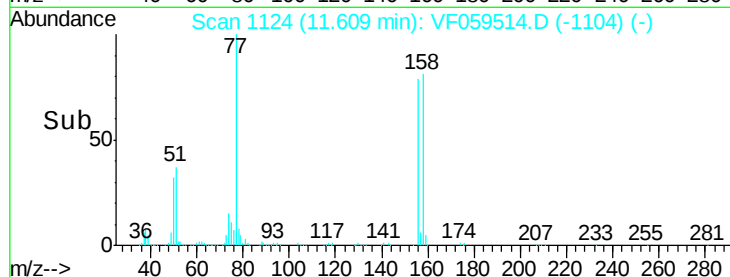
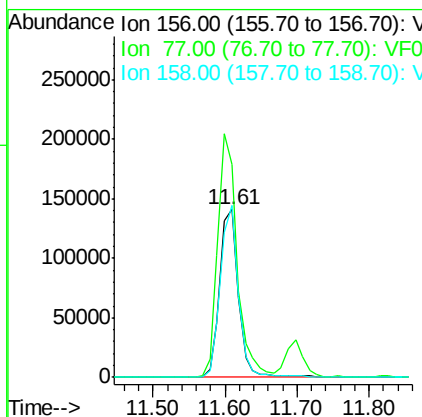
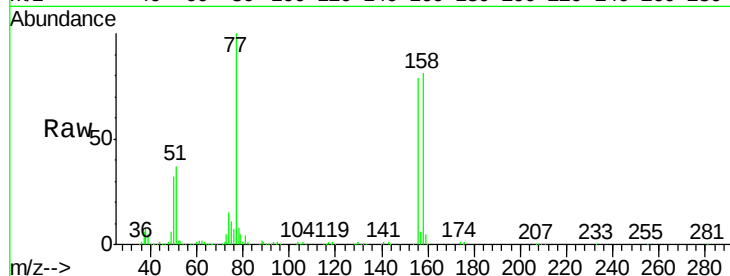
#77
Bromobenzene
Concen: 64.17 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	126.7	62.0	186.0
158	102.1	49.8	149.3

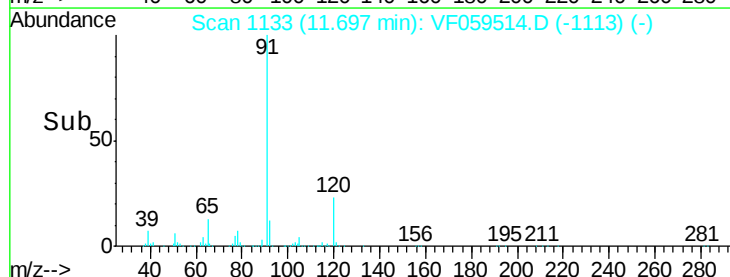
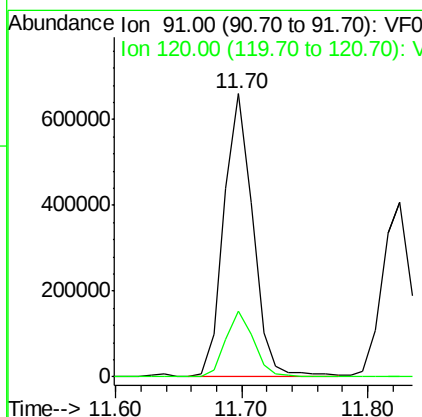
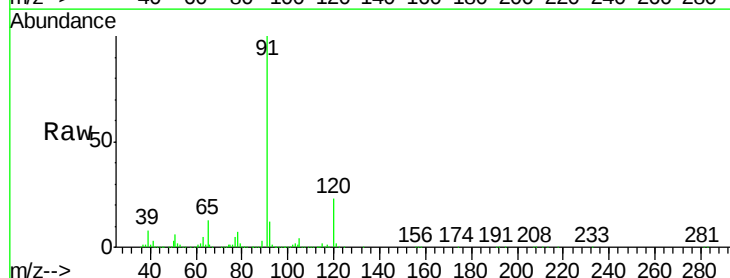
Manual Integrations
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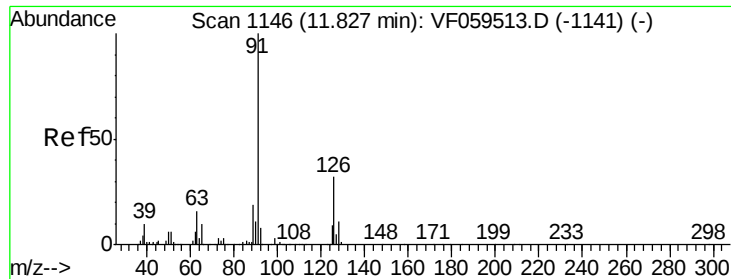
apatel
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#78
n-propylbenzene
Concen: 64.41 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.3	33.9





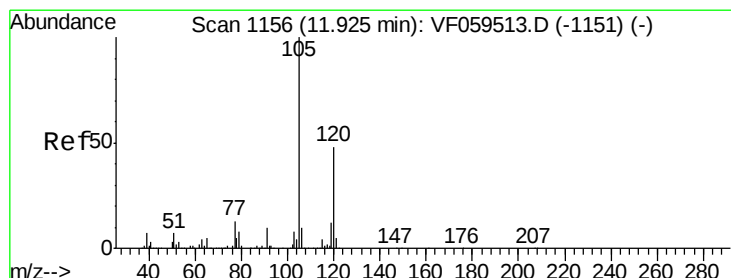
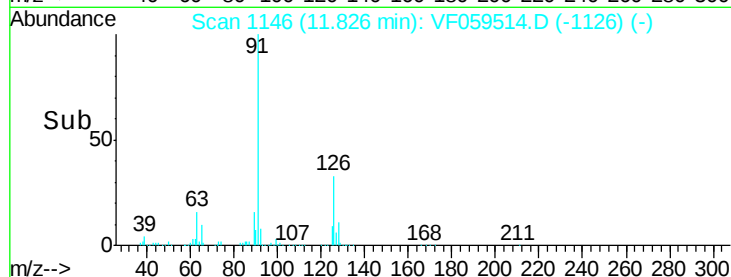
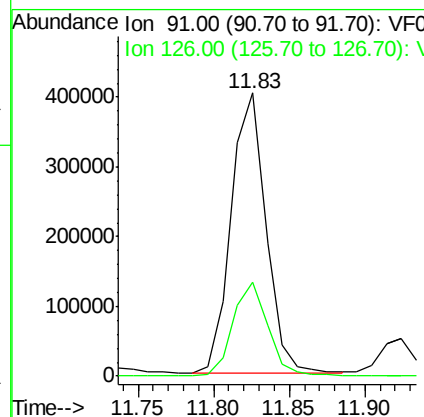
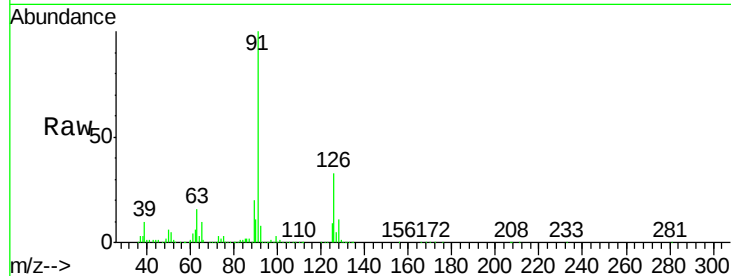
#79
 2-Chlorotoluene
 Concen: 65.94 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion: 91 Resp: 647142
 Ion Ratio Lower Upper
 91 100
 126 33.2 15.7 47.1

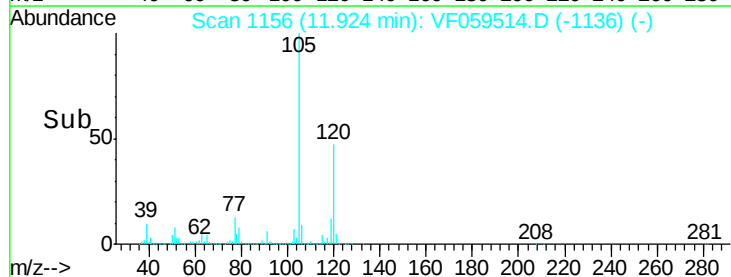
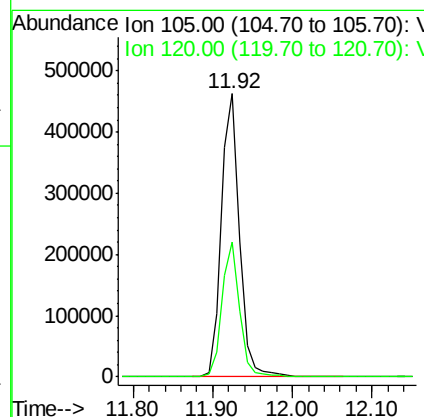
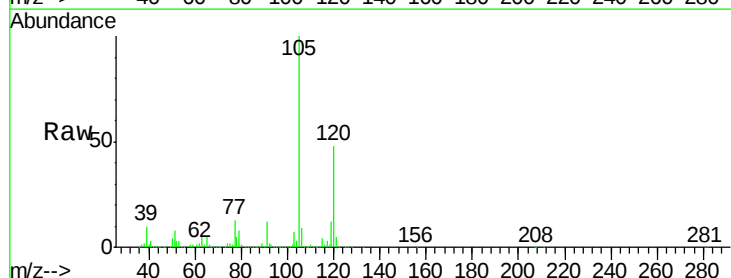
Manual Integrations
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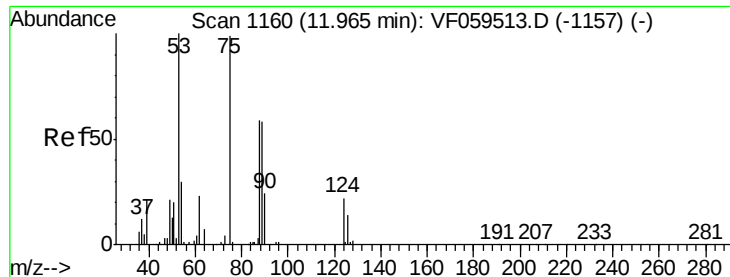
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 62.05 ug/l
 RT: 11.92 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion: 105 Resp: 748287
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 61.14 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

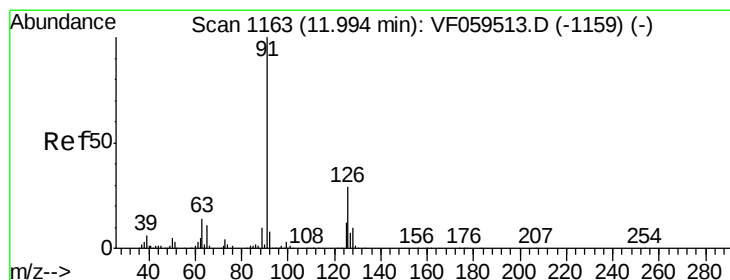
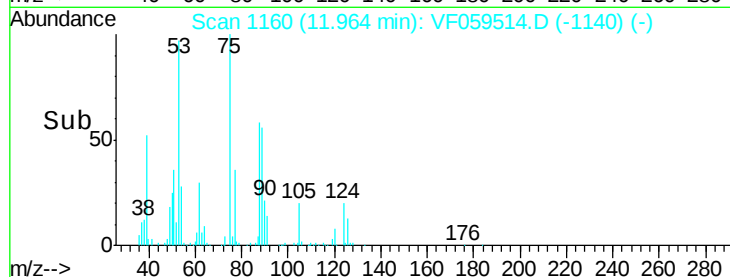
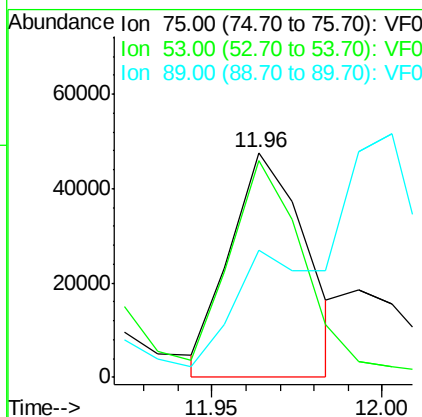
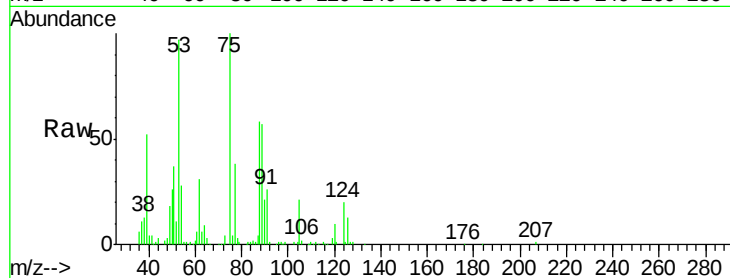
ClientSampleId :

VSTDIC075

Tot Ion:	75	Resp:	73517
Ion	Ratio	Lower	Upper
75	100		
53	96.8	84.6	127.0
89	56.8	48.2	72.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 62.35 ug/l

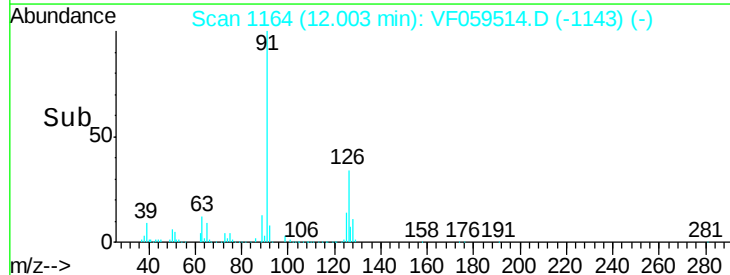
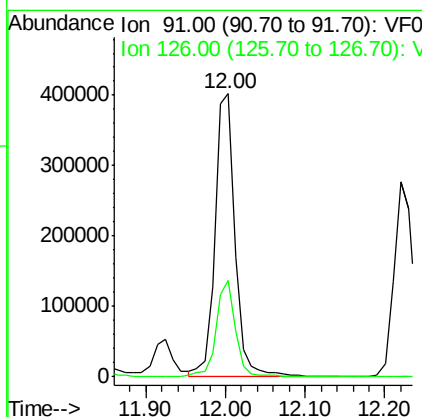
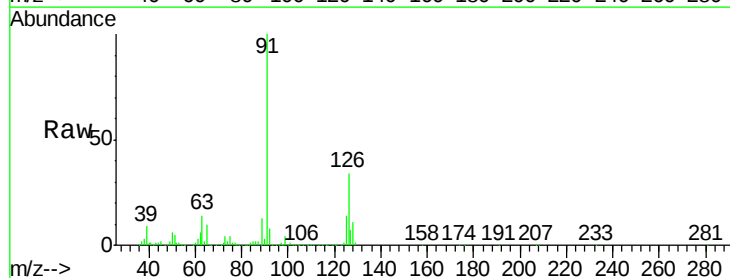
RT: 12.00 min Scan# 1164

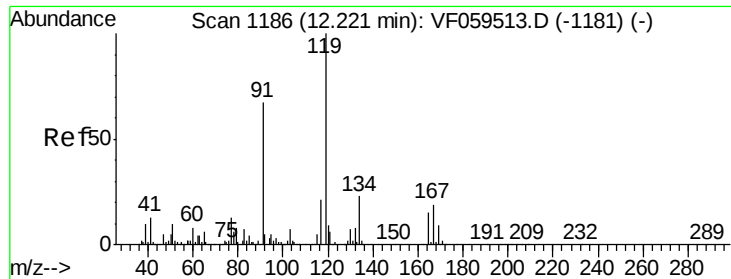
Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion:	91	Resp:	709003
Ion	Ratio	Lower	Upper
91	100		
126	34.0	14.4	43.4





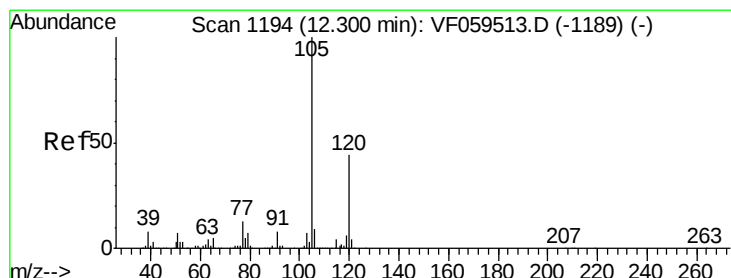
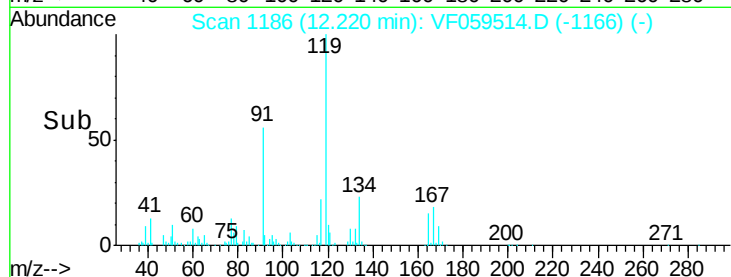
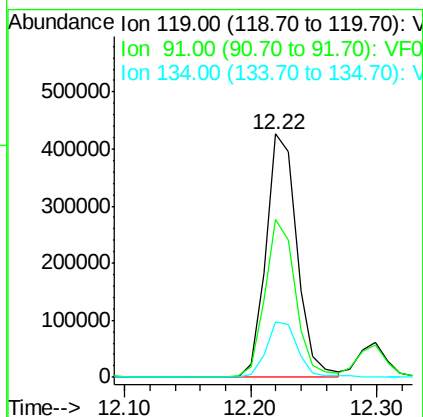
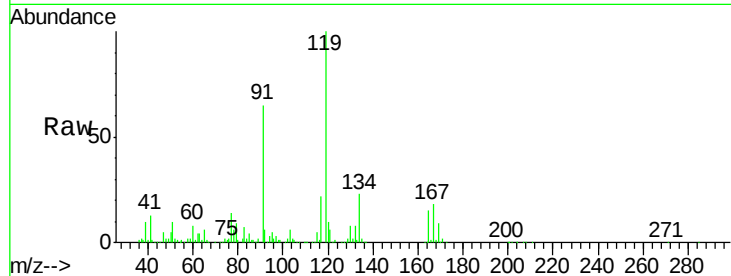
#83
 tert-Butylbenzene
 Concen: 65.03 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	33.5	100.5
134	22.9	11.3	33.8

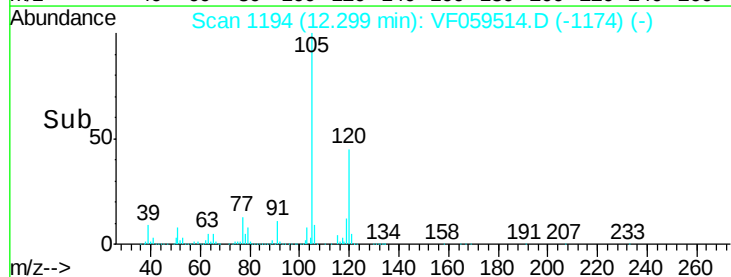
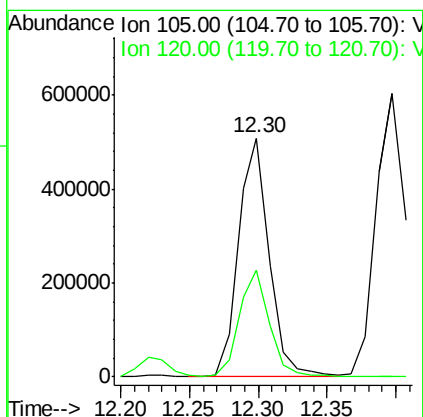
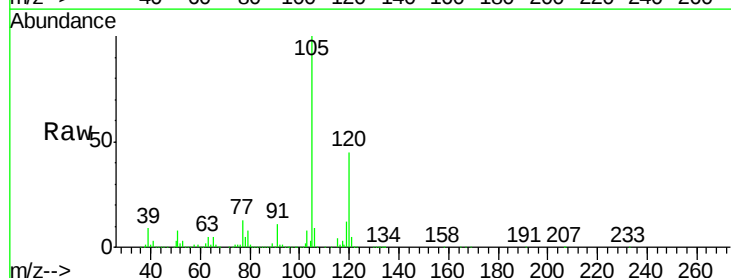
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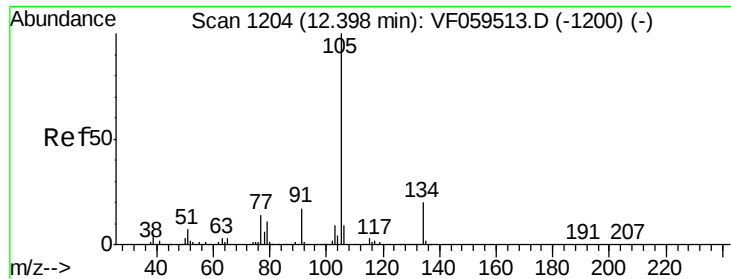
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#84
 1,2,4-Trimethylbenzene
 Concen: 65.58 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.5	67.5





#85

sec-Butylbenzene

Concen: 66.24 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 944320

Ion Ratio Lower Upper

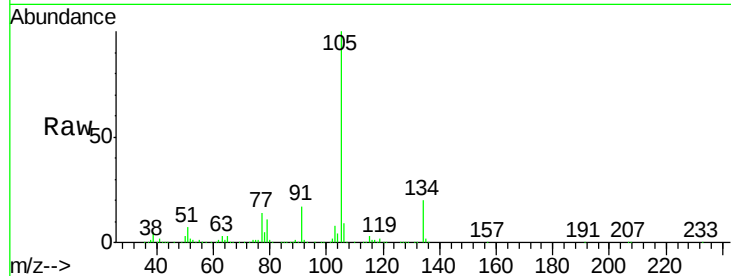
105 100

134 19.6 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.40

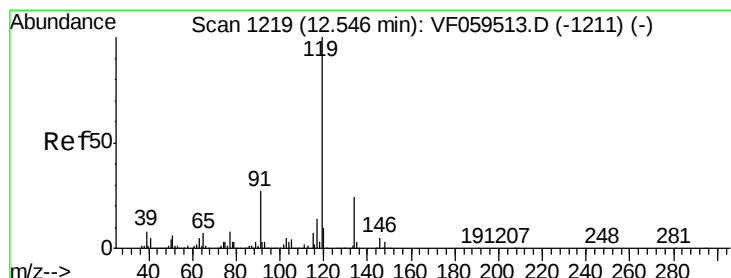
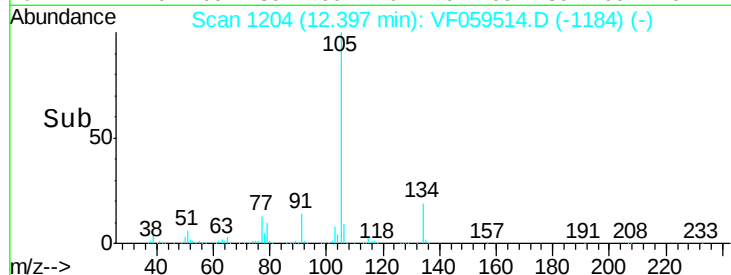
600000

400000

200000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 64.59 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

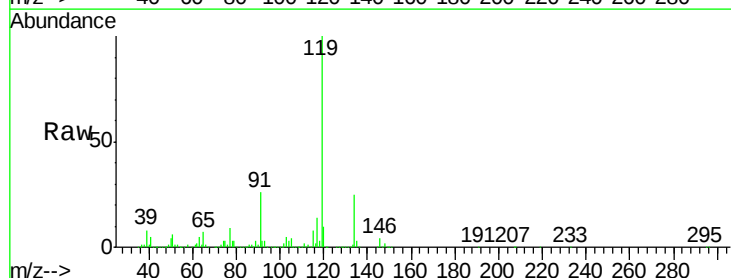
Tgt Ion:119 Resp: 814517

Ion Ratio Lower Upper

119 100

134 25.0 12.0 36.0

91 25.8 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

800000

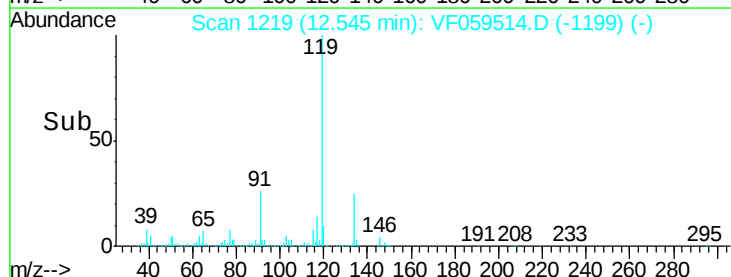
600000

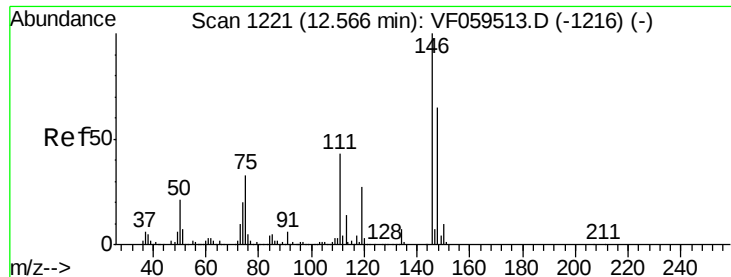
400000

200000

0

Time--> 12.50 12.55 12.60





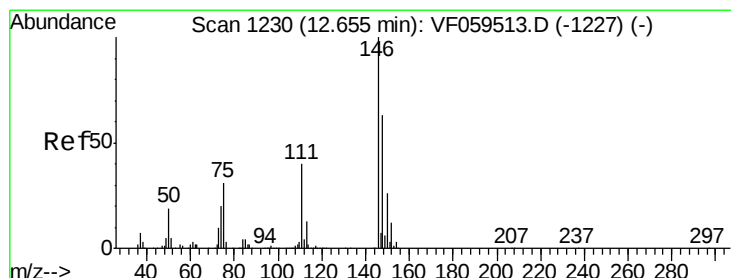
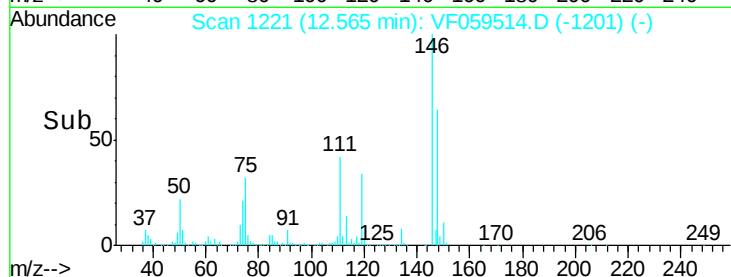
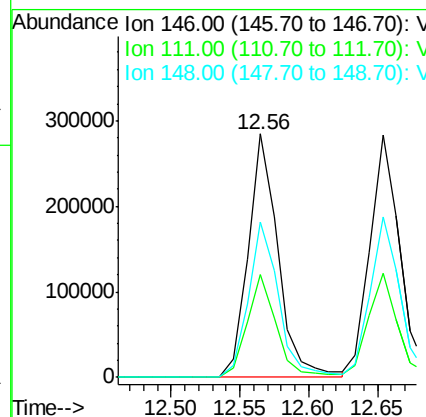
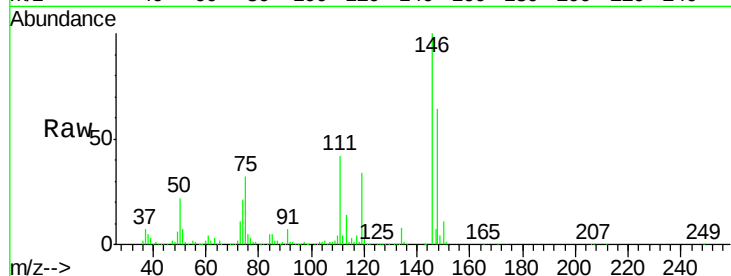
#87
 1,3-Dichlorobenzene
 Concen: 63.85 ug/l
 RT: 12.56 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	63.9	32.7	98.1

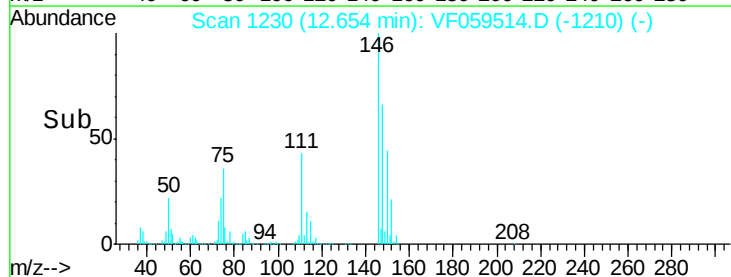
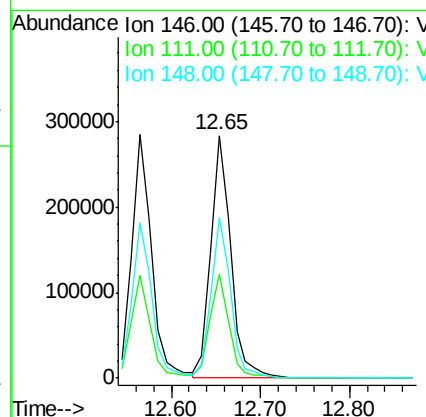
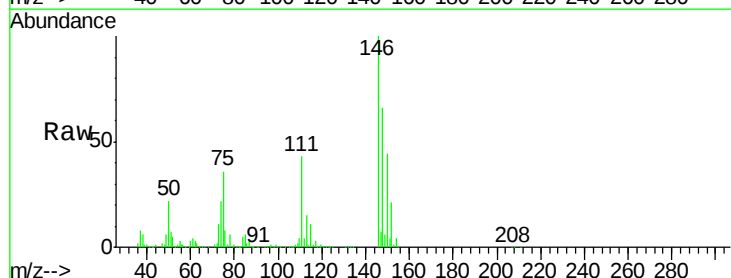
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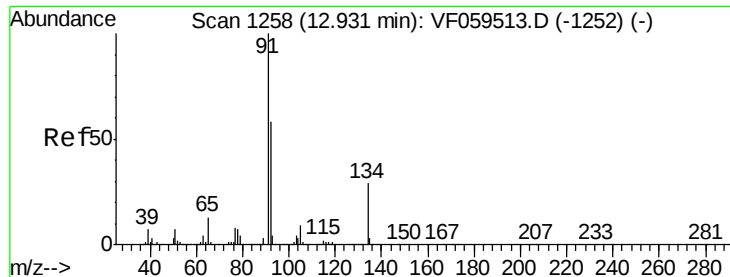
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#88
 1,4-Dichlorobenzene
 Concen: 67.01 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.0	59.9
148	66.0	31.5	94.5





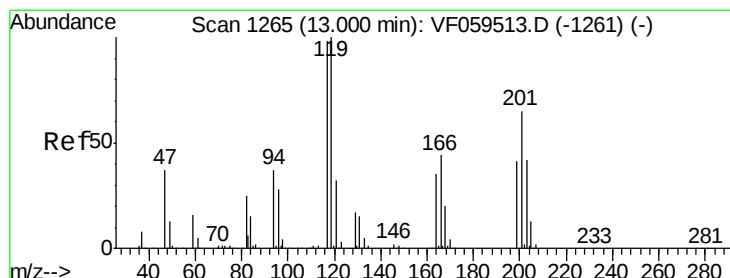
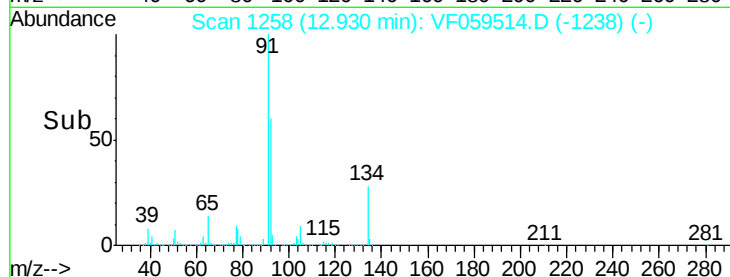
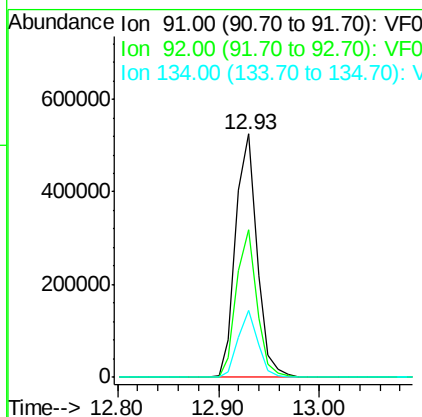
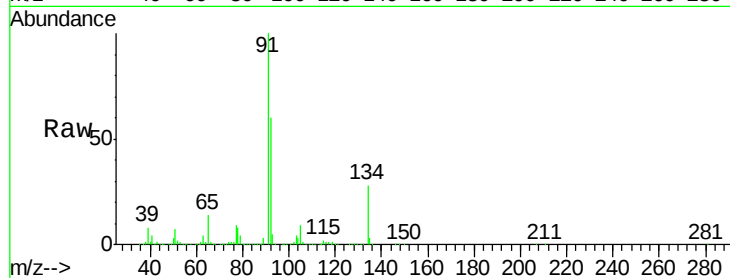
#89
n-Butylbenzene
Concen: 66.68 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.4	29.1	87.3
134	27.8	14.3	42.9

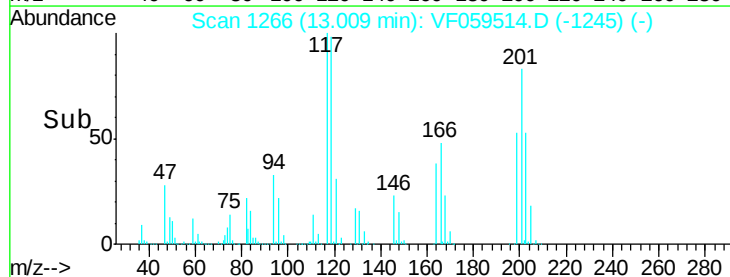
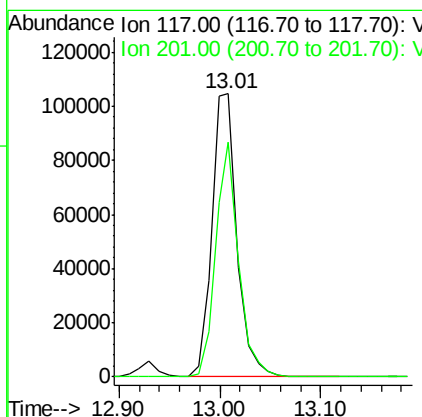
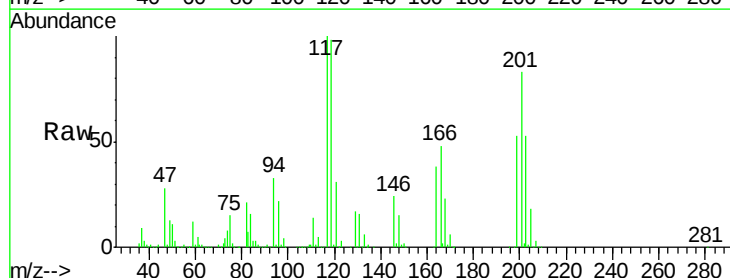
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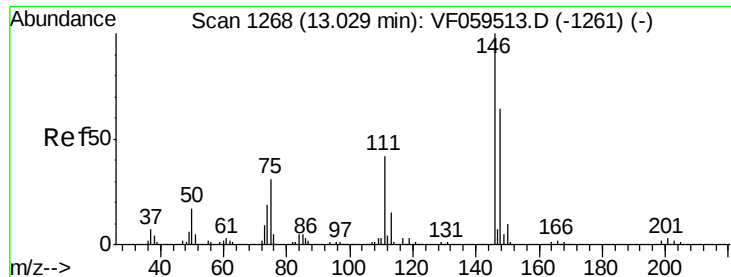
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#90
Hexachloroethane
Concen: 64.44 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	32.6	98.0





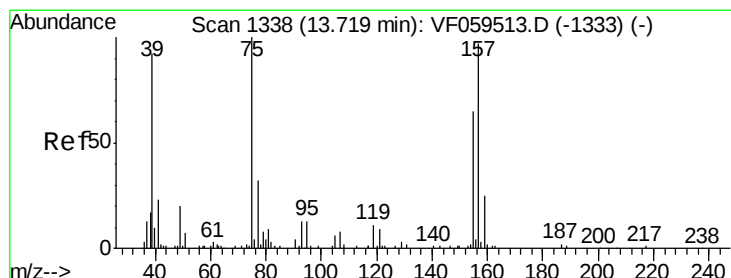
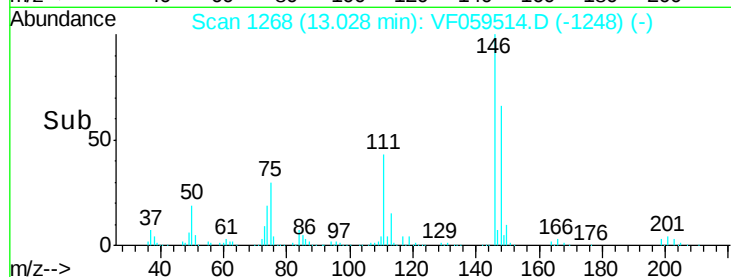
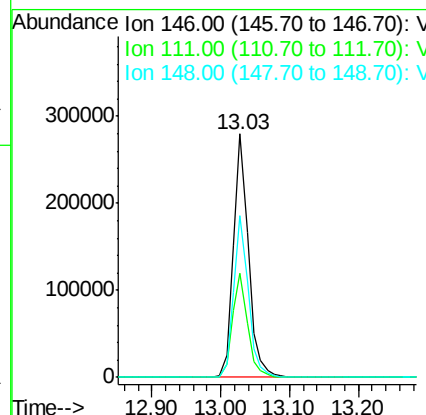
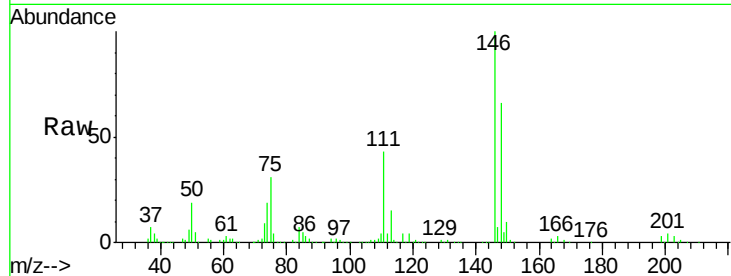
#91
 1,2-Dichlorobenzene
 Concen: 66.89 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.1
148	66.2	32.3	96.8

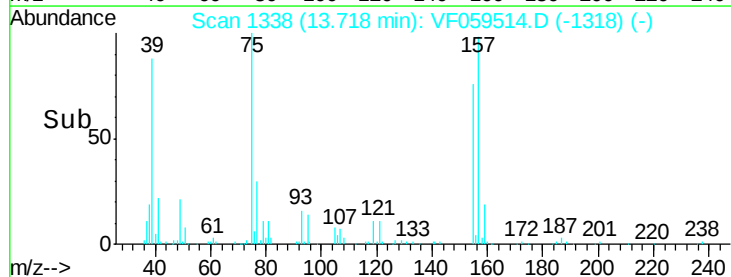
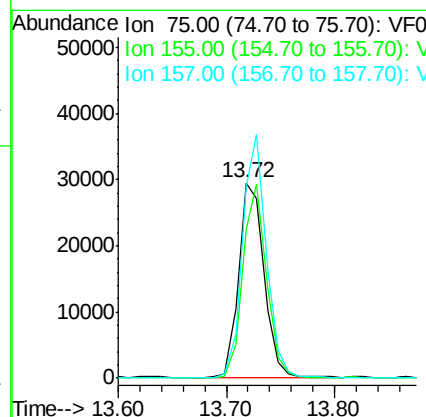
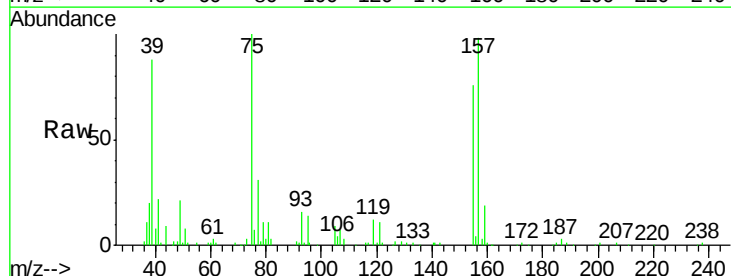
Manual Integrations
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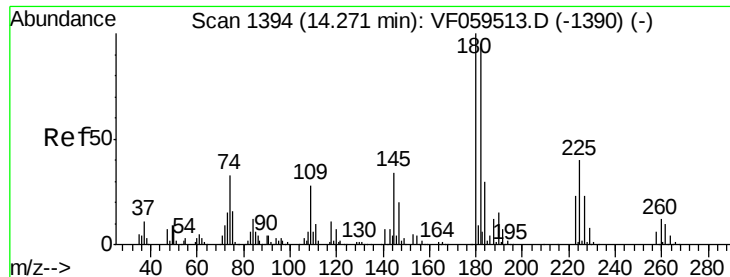
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.47 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	32.8	98.3
157	97.9	48.5	145.5





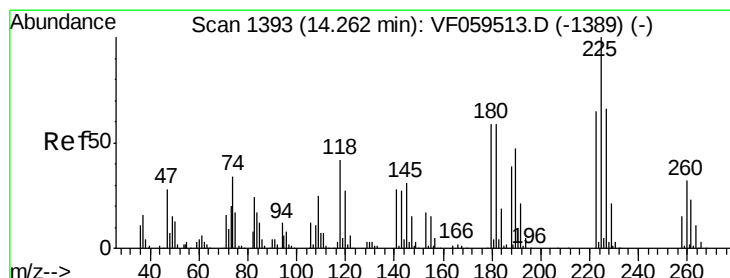
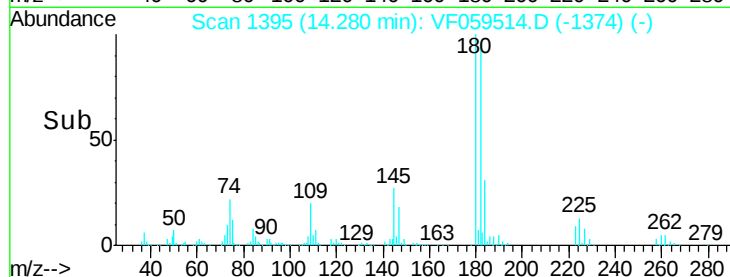
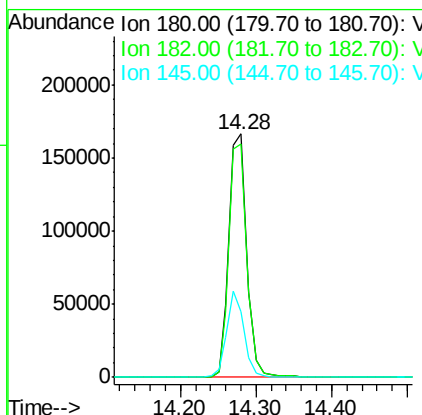
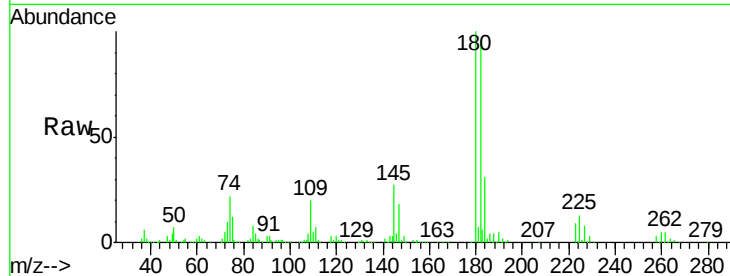
#93
 1,2,4-Trichlorobenzene
 Concen: 68.95 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.01 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.5
145	26.8	17.3	51.7

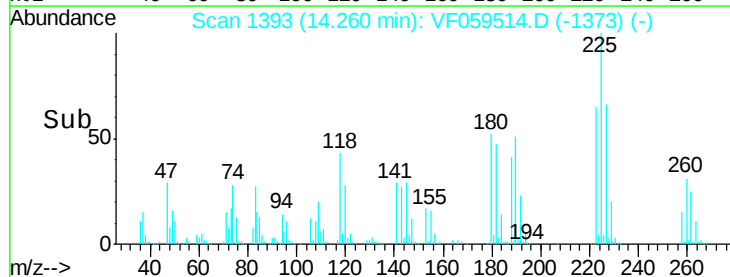
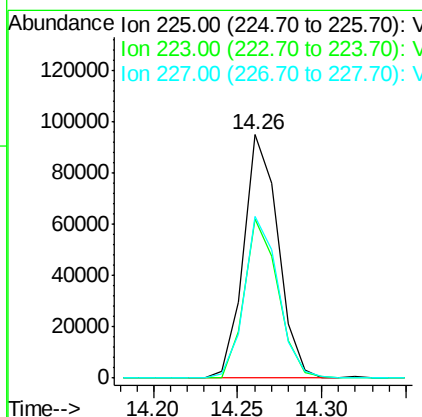
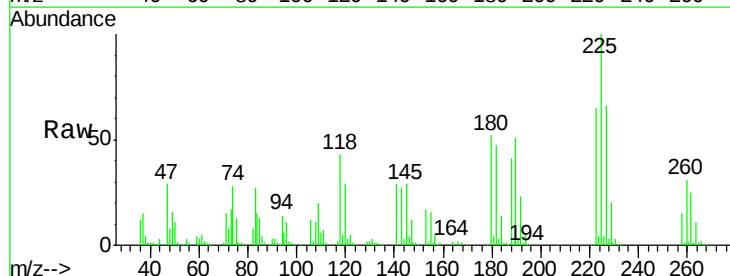
Manual Integrations
 APPROVED

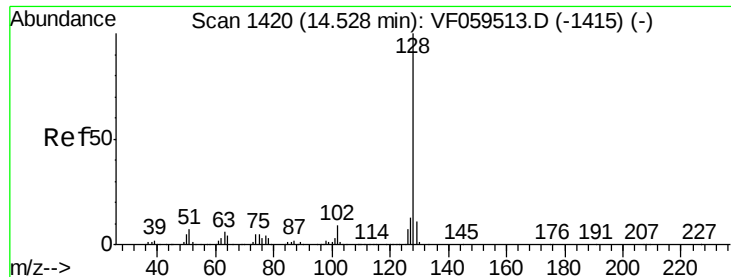
apatel
 7/18/2018 3:16:14 PM



#94
 Hexachlorobutadiene
 Concen: 77.27 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	32.3	96.8
227	66.2	33.2	99.6





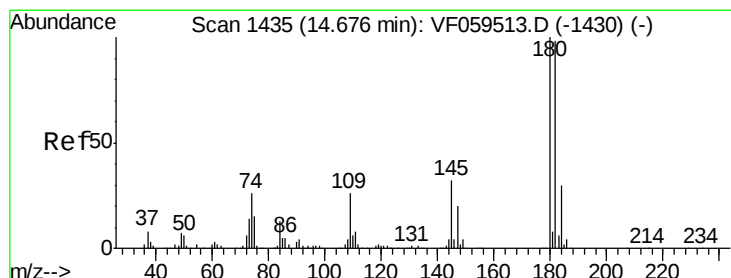
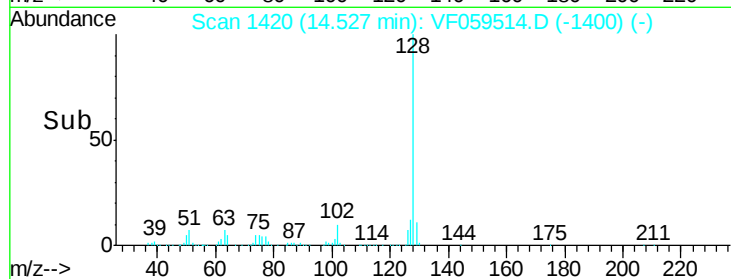
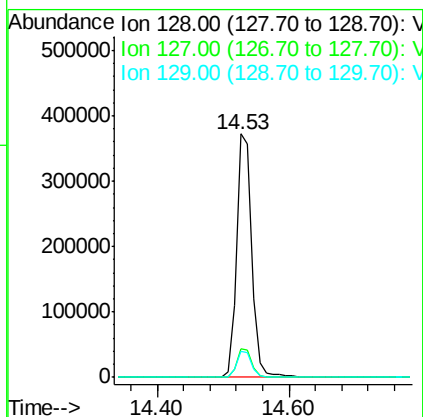
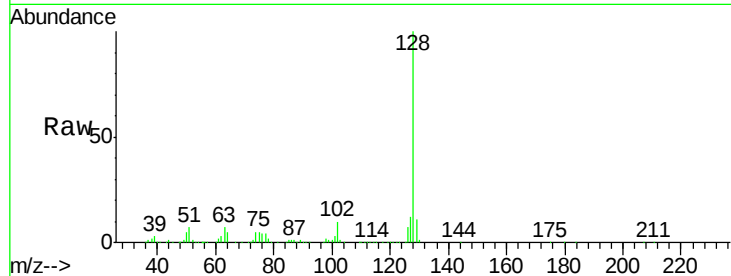
#95
Naphthalene
Concen: 71.84 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.2
129	10.7	9.0	13.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 72.54 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.8	48.8	146.4
145	36.1	16.2	48.6

