

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059511.D
 Acq On : 17 Jul 2018 17:06
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
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apatel
 7/18/2018 3:16:01 PM

Quant Time: Jul 18 02:13:52 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	5.06	168	288016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	405157	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	410783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	244772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	44484	10.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.46%	
35) Dibromofluoromethane	4.31	113	37082	10.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.08%	
50) Toluene-d8	7.72	98	96286	11.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.12%	
62) 4-Bromofluorobenzene	11.52	95	52625	11.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	36592	11.16	ug/l	100
3) Chloromethane	1.09	50	20637	11.17	ug/l	95
4) Vinyl Chloride	1.15	62	20650	10.73	ug/l	98
5) Bromomethane	1.34	94	14539	10.84	ug/l	100
6) Chloroethane	1.43	64	10758	10.68	ug/l #	82
7) Trichlorofluoromethane	1.52	101	52031	11.78	ug/l	95
8) Diethyl Ether	1.71	74	8059	9.10	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.90	101	22243m	10.60	ug/l	
10) Methyl Iodide	1.96	142	40475	11.44	ug/l #	96
11) Tert butyl alcohol	2.70	59	9789	48.55	ug/l #	62
12) 1,1-Dichloroethene	1.87	96	23573	11.63	ug/l	81
13) Acrolein	2.09	56	6142	54.52	ug/l	96
14) Allyl chloride	2.19	41	28106	10.57	ug/l	93
15) Acrylonitrile	3.09	53	17602	47.31	ug/l	90
16) Acetone	2.35	43	40410	54.73	ug/l #	90
17) Carbon Disulfide	1.88	76	59930	10.89	ug/l	98
18) Methyl Acetate	2.46	43	16798m	11.08	ug/l	
19) Methyl tert-butyl Ether	2.55	73	70977	10.71	ug/l	100
20) Methylene Chloride	2.32	84	29619	11.20	ug/l #	95
21) trans-1,2-Dichloroethene	2.42	96	21839	11.83	ug/l	95
22) Diisopropyl ether	2.94	45	76889	10.09	ug/l	99
23) Vinyl Acetate	3.34	43	249016	56.23	ug/l	98
24) 1,1-Dichloroethane	3.01	63	50848	11.75	ug/l	100
25) 2-Butanone	4.53	43	56932	53.04	ug/l	96
26) 2,2-Dichloropropane	3.77	77	34070	11.73	ug/l	92
27) cis-1,2-Dichloroethene	3.65	96	25882	10.25	ug/l	91
28) Bromochloromethane	3.91	49	21237	10.59	ug/l	99
29) Tetrahydrofuran	4.28	42	24425	52.98	ug/l	93
30) Chloroform	4.05	83	70540	10.86	ug/l	96
31) Cyclohexane	3.88	56	27954	11.44	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	47798	10.60	ug/l	97
36) 1,1-Dichloropropene	4.47	75	42330	10.26	ug/l	98
37) Ethyl Acetate	4.31	43	30322	12.01	ug/l #	83
38) Carbon Tetrachloride	4.18	117	52423m	10.96	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	36557	11.77	ug/l	93
40) Benzene	4.82	78	90294	11.26	ug/l	98
41) Methacrylonitrile	4.94	41	13482	11.07	ug/l #	89
42) 1,2-Dichloroethane	5.13	62	55203	10.76	ug/l	99
43) Isopropyl Acetate	7.13	43	31546	10.43	ug/l #	96
44) Trichloroethene	5.69	130	33421	11.56	ug/l	81
45) 1,2-Dichloropropane	6.42	63	23633	10.39	ug/l	94
46) Dibromomethane	6.27	93	21472	10.57	ug/l	99
47) Bromodichloromethane	6.57	83	55389	10.67	ug/l #	91
48) Methyl methacrylate	6.89	41	21663	9.94	ug/l	97
49) 1,4-Dioxane	6.88	88	2397	243.15	ug/l #	81
51) 4-Methyl-2-Pentanone	8.42	43	119665	56.40	ug/l	98
52) Toluene	7.79	92	65581	11.38	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	53743	11.72	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	49975	10.50	ug/l	89
55) 1,1,2-Trichloroethane	8.65	97	23897	10.41	ug/l	89
56) Ethyl methacrylate	8.78	69	29372	10.16	ug/l	95
57) 1,3-Dichloropropane	9.01	76	44654	11.43	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	14058	58.21	ug/l	100
59) 2-Hexanone	9.64	43	86439	51.93	ug/l	98
60) Dibromochloromethane	8.87	129	38693	10.38	ug/l	100
61) 1,2-Dibromoethane	9.15	107	28668	10.32	ug/l	87
64) Tetrachloroethene	8.32	164	31529	9.74	ug/l	98
65) Chlorobenzene	9.96	112	85528	11.07	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.09	131	37900	10.83	ug/l	94
67) Ethyl Benzene	10.05	91	150788	10.94	ug/l	95
68) m/p-Xylenes	10.28	106	106831	21.64	ug/l	97
69) o-Xylene	10.84	106	57215	11.15	ug/l	90
70) Styrene	10.91	104	87256	10.75	ug/l	96
71) Bromoform	10.90	173	25452	9.98	ug/l	96
73) Isopropylbenzene	11.24	105	170527	10.92	ug/l	100
74) N-amyl acetate	11.48	43	54259	9.79	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	37733	11.02	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	30107	10.66	ug/l	92
77) Bromobenzene	11.60	156	47714	10.84	ug/l	93
78) n-propylbenzene	11.69	91	201980	11.17	ug/l	96
79) 2-Chlorotoluene	11.82	91	122077	11.17	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	138298	10.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	13467m	10.06	ug/l	
82) 4-Chlorotoluene	12.00	91	134184	10.60	ug/l	93
83) tert-Butylbenzene	12.23	119	139003	11.06	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	149140	11.12	ug/l	93
85) sec-Butylbenzene	12.39	105	181655	11.45	ug/l	96
86) p-Isopropyltoluene	12.55	119	157893	11.25	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	86434	11.47	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	81446	11.17	ug/l	94
89) n-Butylbenzene	12.93	91	150856	11.70	ug/l	96
90) Hexachloroethane	13.00	117	35335	11.18	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	81055	11.54	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8155	10.73	ug/l	82

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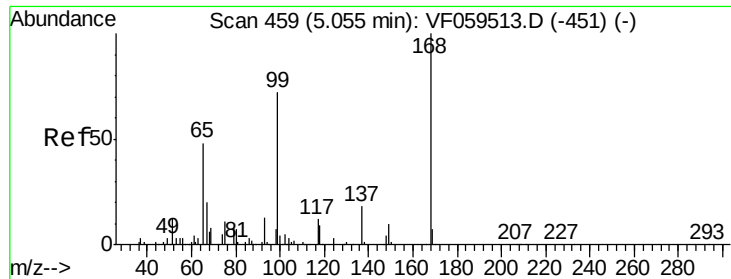
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	50572	11.51	ug/l	96
94) Hexachlorobutadiene	14.27	225	27838	14.32	ug/l	95
95) Naphthalene	14.53	128	96221	10.30	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	41618	10.86	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 288016

Ion Ratio Lower Upper

168 100

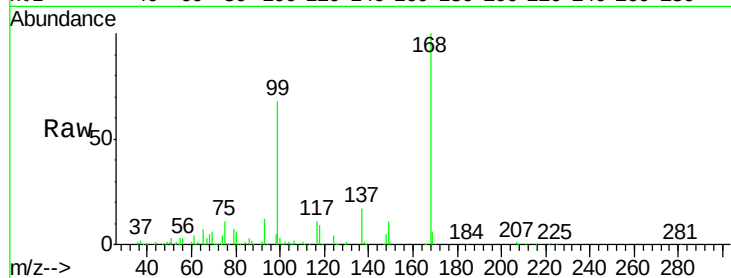
99 67.6 57.6 86.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

100000

80000

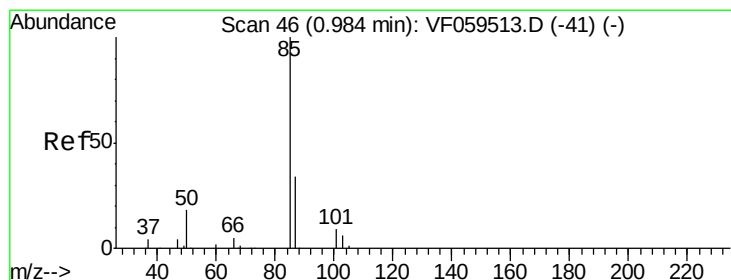
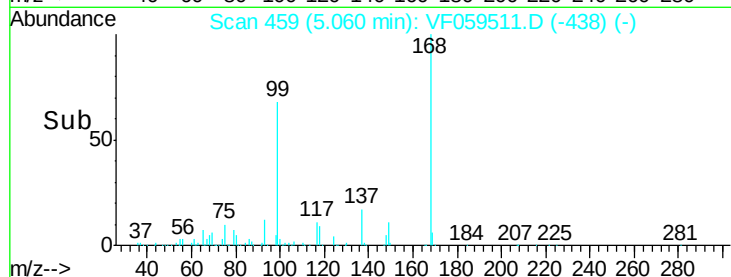
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.16 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059511.D

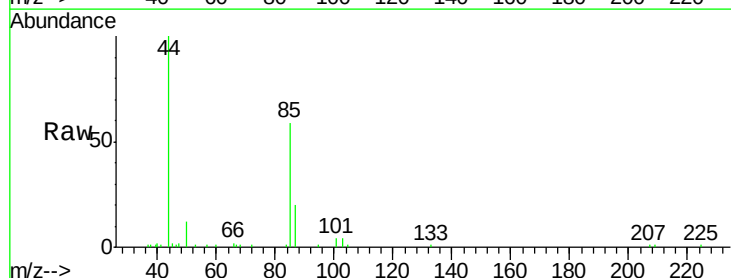
Acq: 17 Jul 2018 17:06

Tgt Ion: 85 Resp: 36592

Ion Ratio Lower Upper

85 100

87 33.7 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

12000

10000

8000

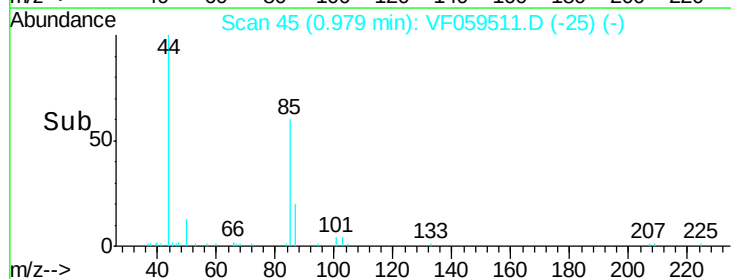
6000

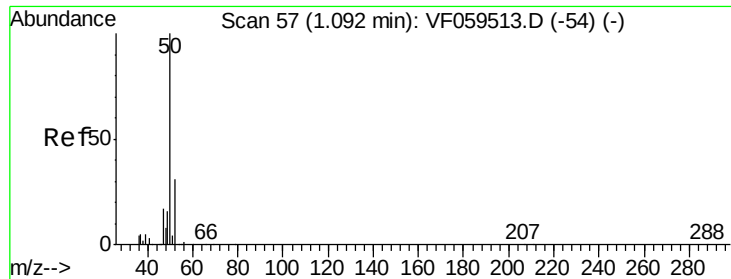
4000

2000

0

Time-->





#3

Chloromethane

Concen: 11.17 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 20637

Ion Ratio Lower Upper

50 100

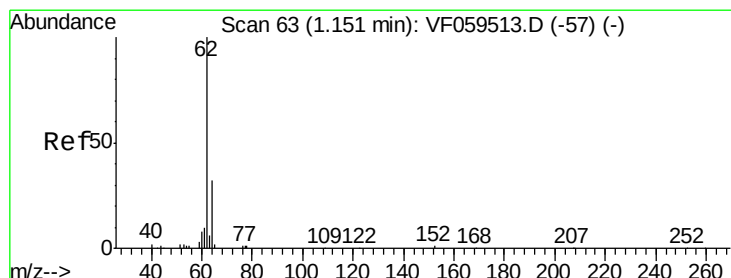
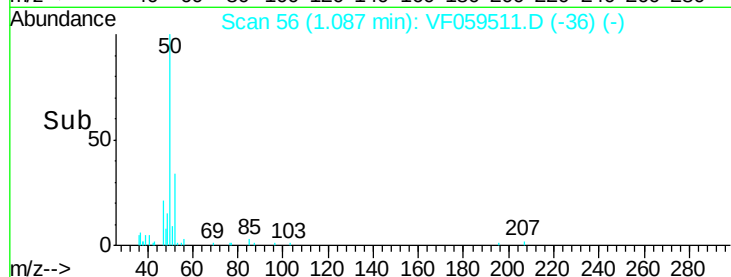
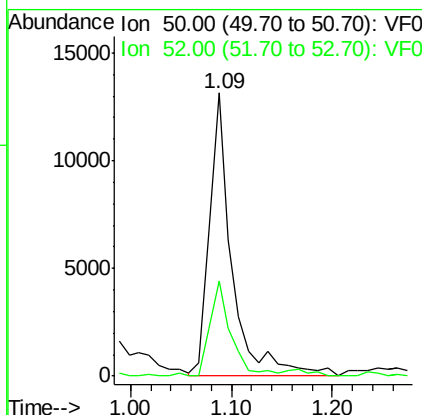
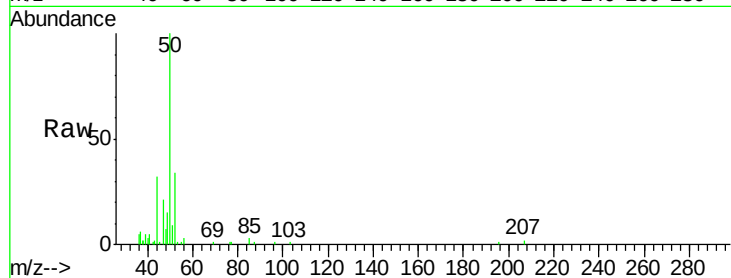
52 33.7 24.6 37.0

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#4

Vinyl Chloride

Concen: 10.73 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059511.D

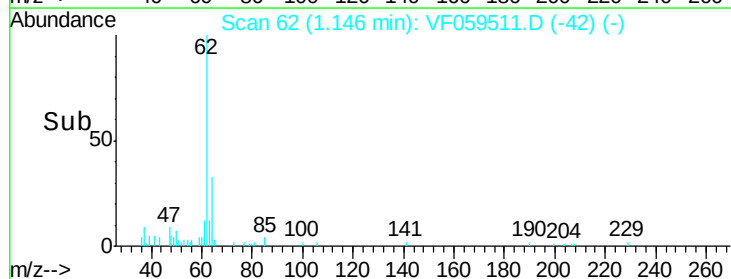
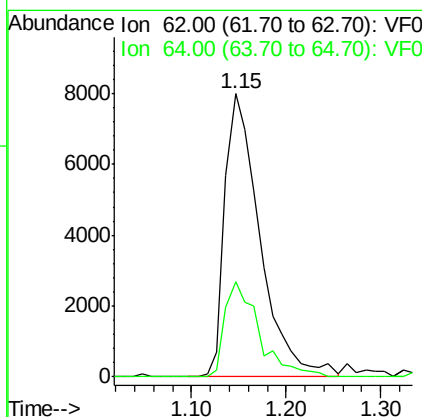
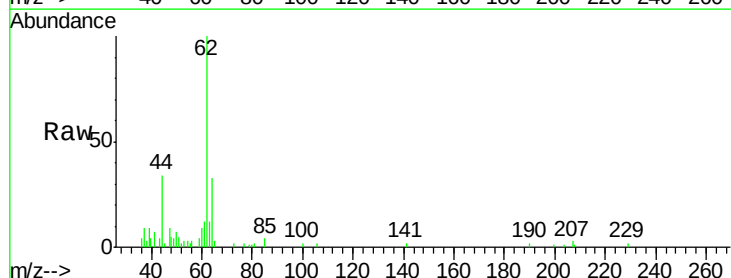
Acq: 17 Jul 2018 17:06

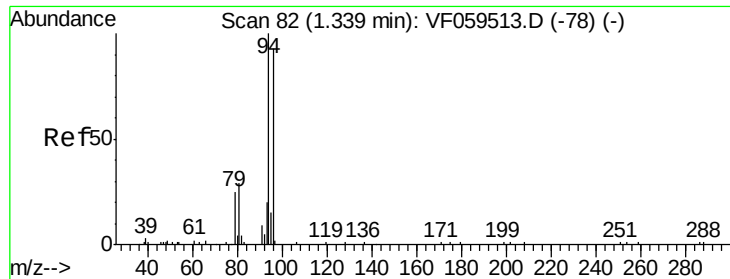
Tgt Ion: 62 Resp: 20650

Ion Ratio Lower Upper

62 100

64 33.5 25.7 38.5





#5

Bromomethane

Concen: 10.84 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 14539

Ion Ratio Lower Upper

94 100

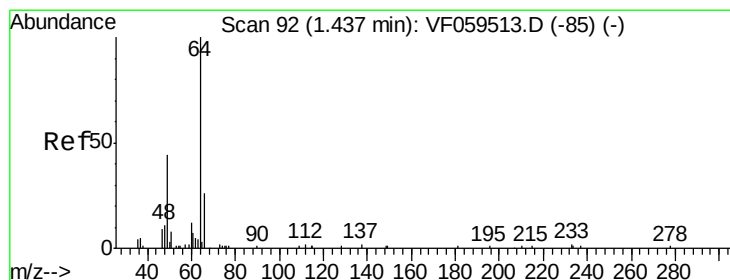
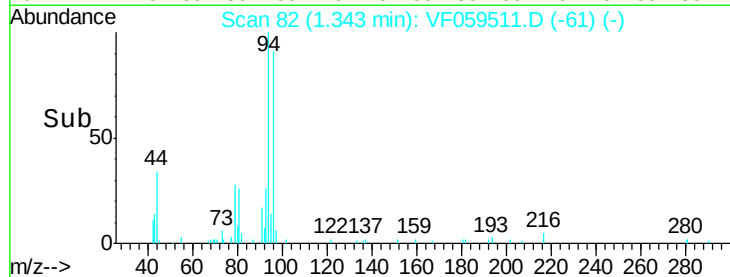
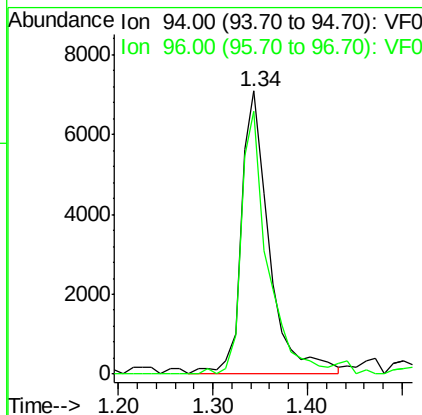
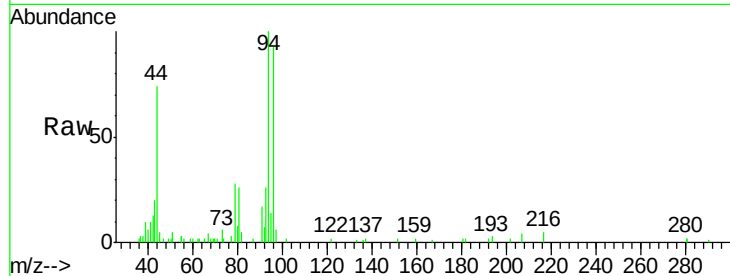
96 92.8 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 10.68 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059511.D

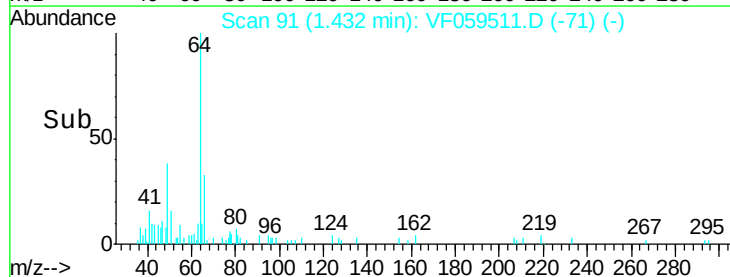
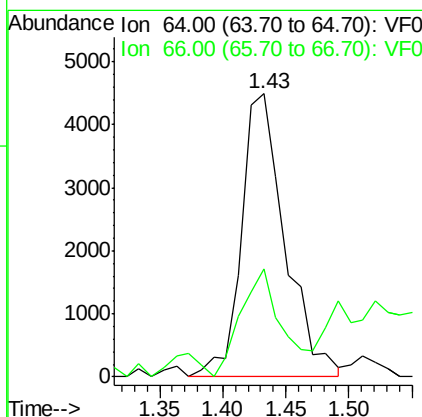
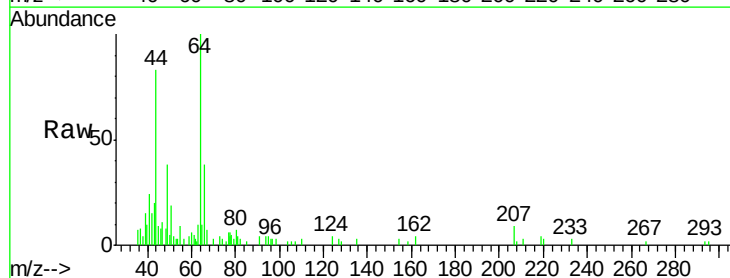
Acq: 17 Jul 2018 17:06

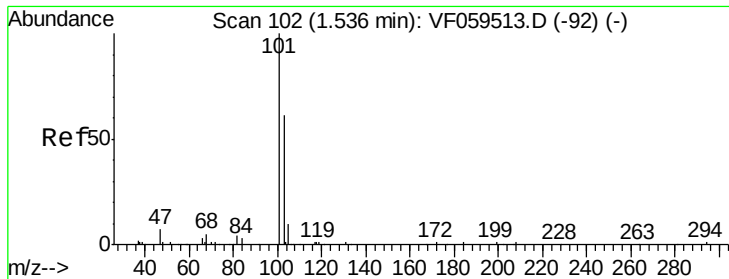
Tgt Ion: 64 Resp: 10758

Ion Ratio Lower Upper

64 100

66 38.3 22.9 34.3#





#7

Trichlorofluoromethane

Concen: 11.78 ug/l

RT: 1.52 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:101 Resp: 52031

Ion Ratio Lower Upper

101 100

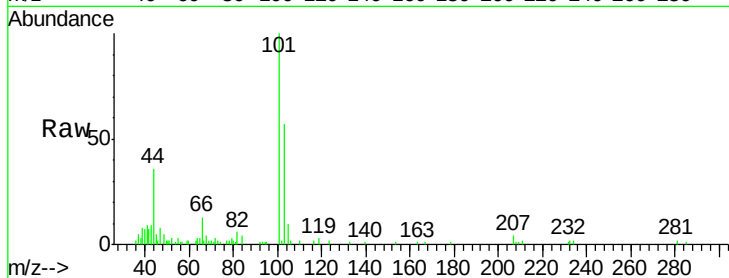
103 57.0 48.6 72.8

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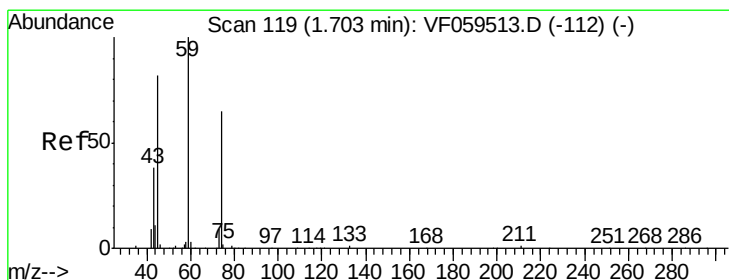
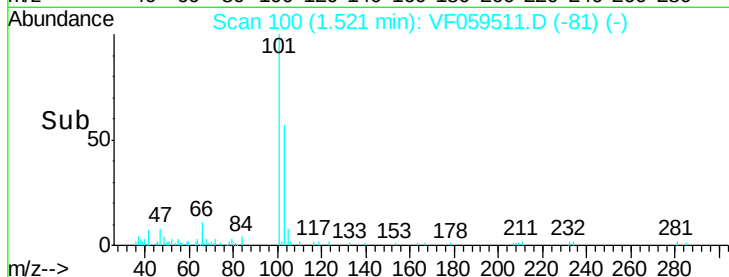
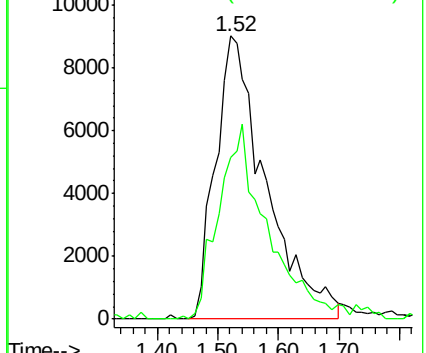
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 9.10 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059511.D

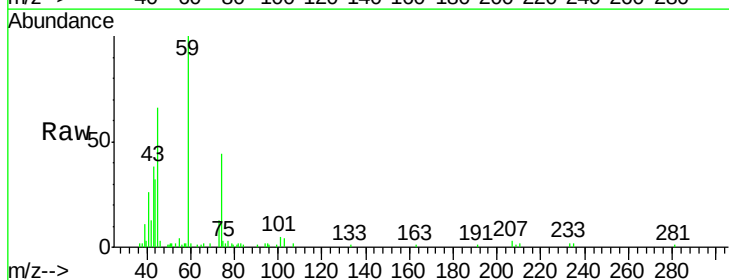
Acq: 17 Jul 2018 17:06

Tgt Ion: 74 Resp: 8059

Ion Ratio Lower Upper

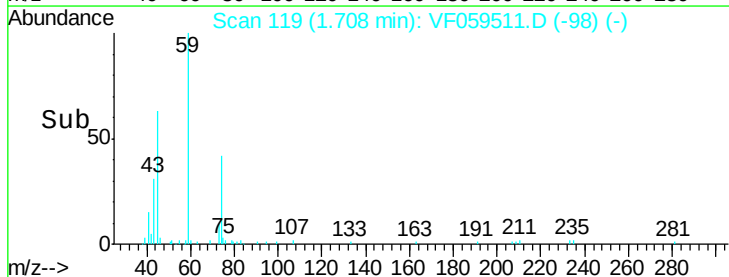
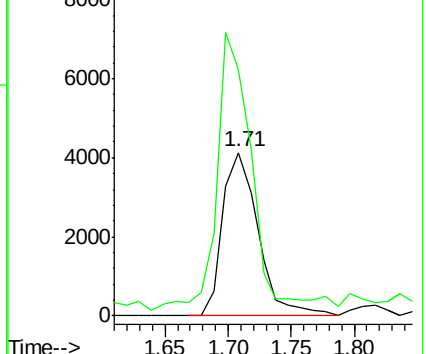
74 100

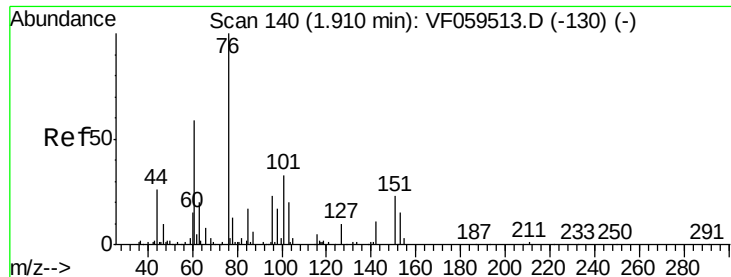
45 150.3 63.6 190.9



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.60 ug/l m

RT: 1.90 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

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MSVOA_F

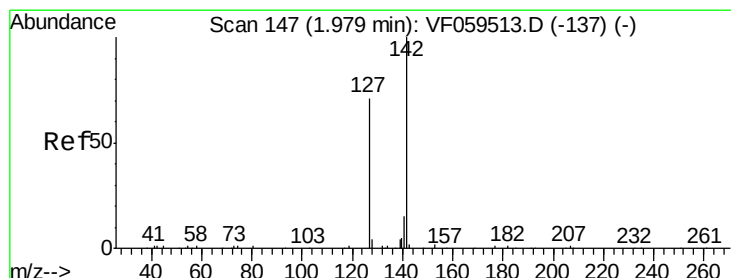
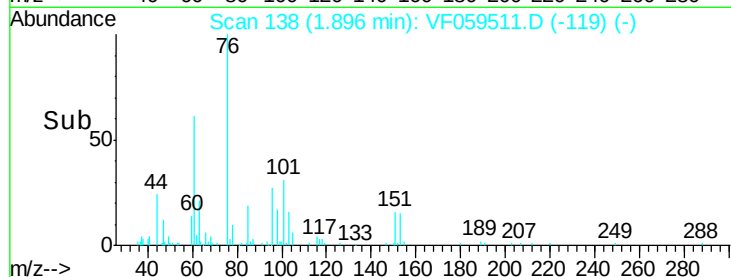
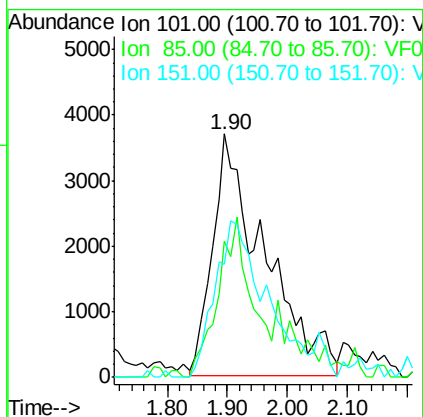
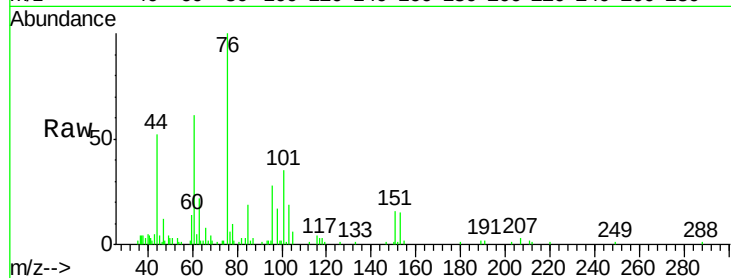
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	22243
Ion Ratio	Lower	Upper	
101	100		
85	56.0	39.8	59.6
151	46.5	54.2	81.2#

Manual Integrations
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#10

Methyl Iodide

Concen: 11.44 ug/l

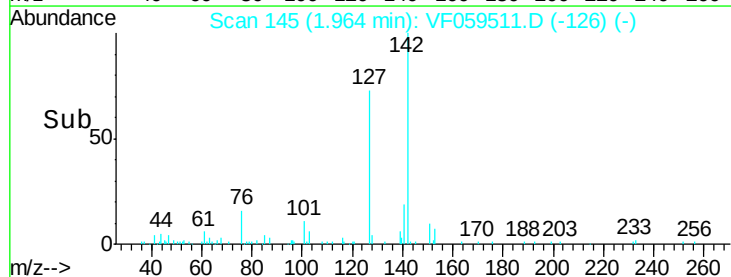
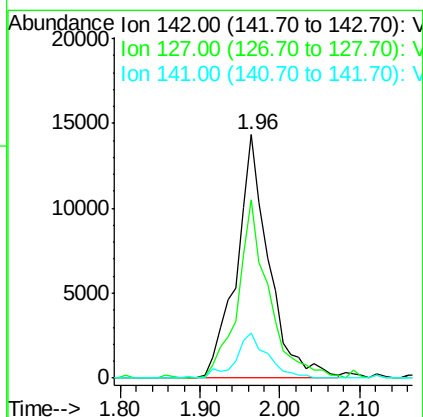
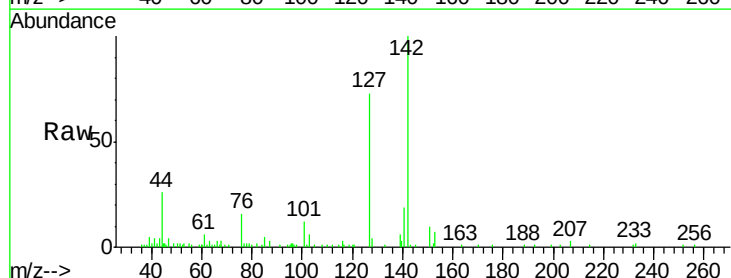
RT: 1.96 min Scan# 145

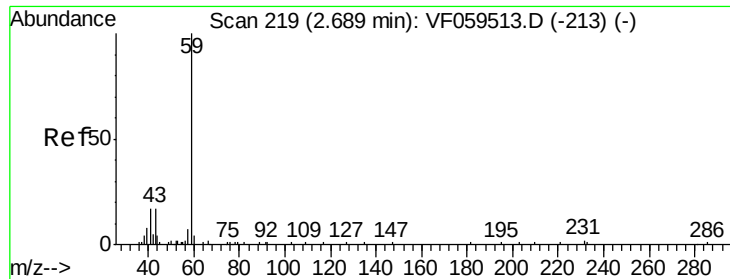
Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	142	Resp:	40475
Ion Ratio	Lower	Upper	
142	100		
127	73.4	56.4	84.6
141	18.6	12.0	18.0#





#11

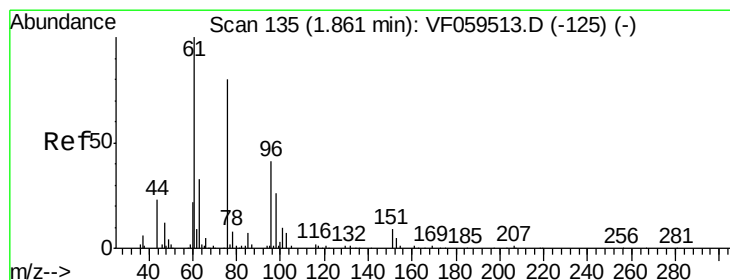
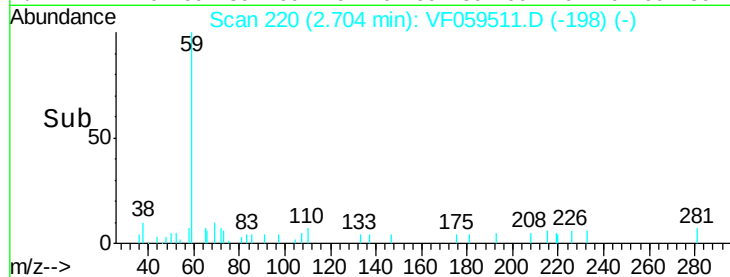
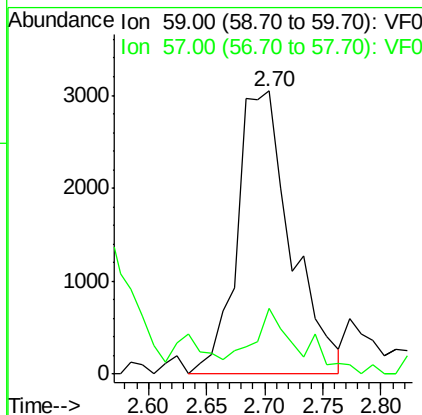
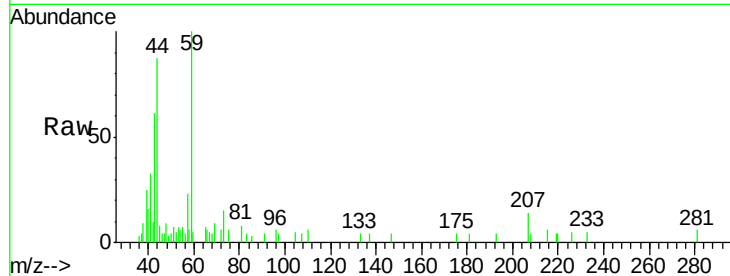
Tert butyl alcohol
Concen: 48.55 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	23.4	7.7	11.5#

Manual Integrations
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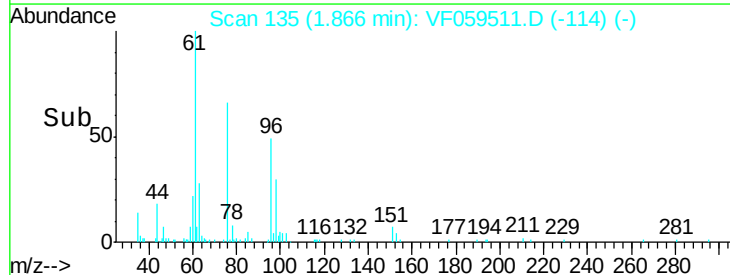
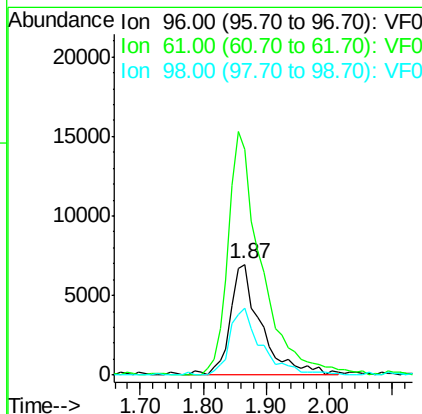
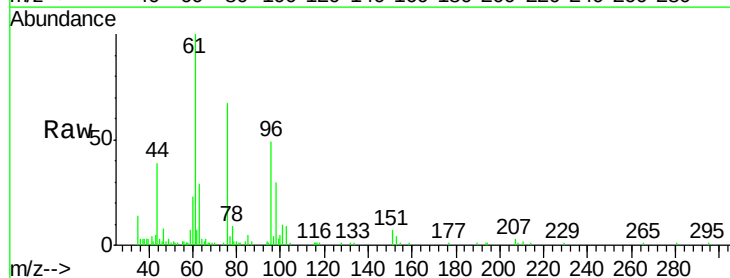
apatel
7/18/2018 3:16:01 PM

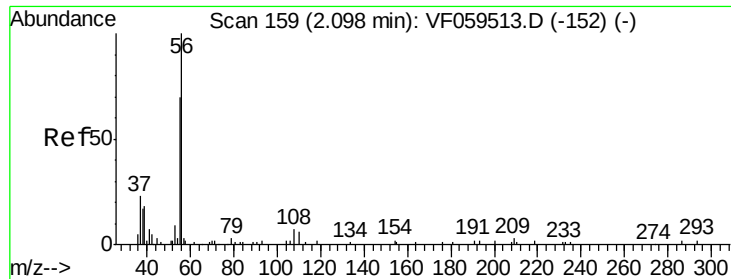


#12

1,1-Dichloroethene
Concen: 11.63 ug/l
RT: 1.87 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	204.1	194.3	291.5
98	60.3	50.3	75.5





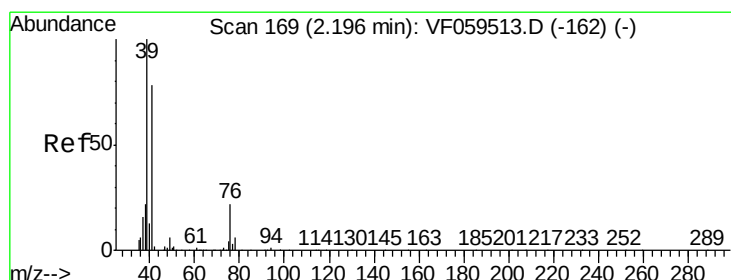
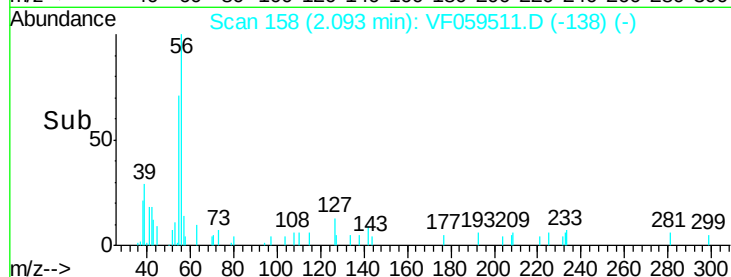
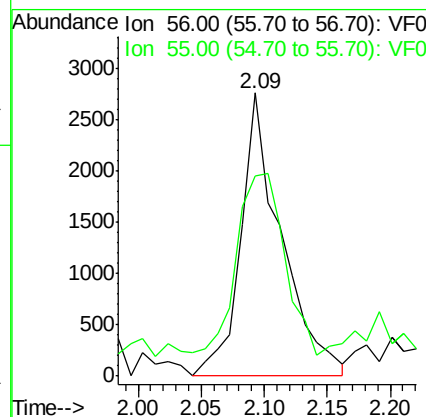
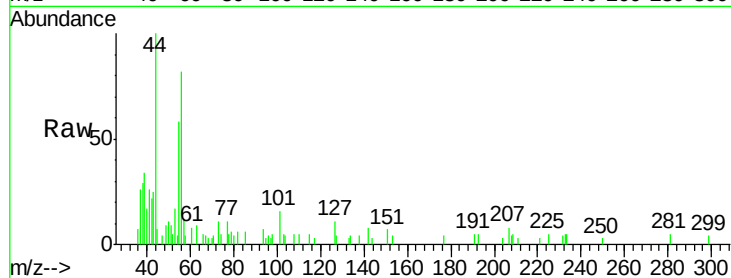
#13
Acrolein
Concen: 54.52 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 6142
Ion Ratio Lower Upper
56 100
55 70.7 59.4 89.2

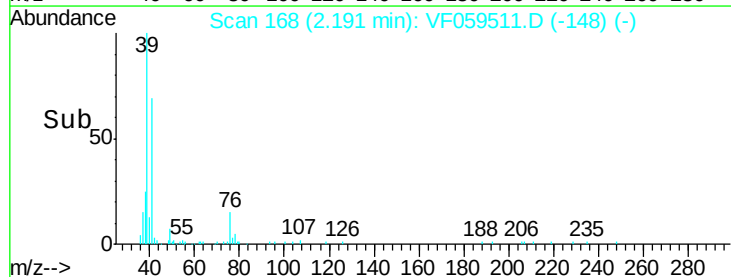
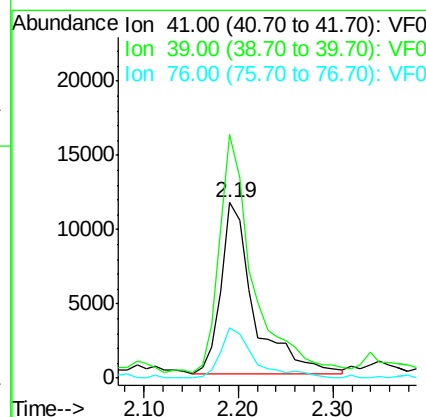
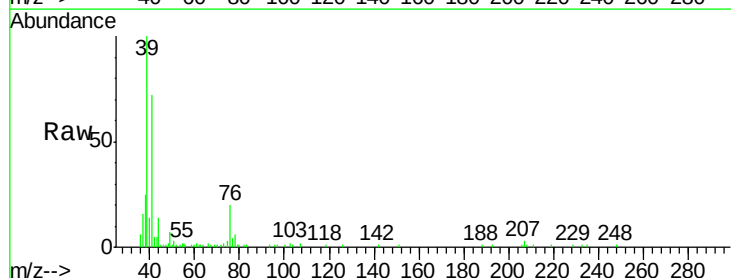
Manual Integrations
APPROVED

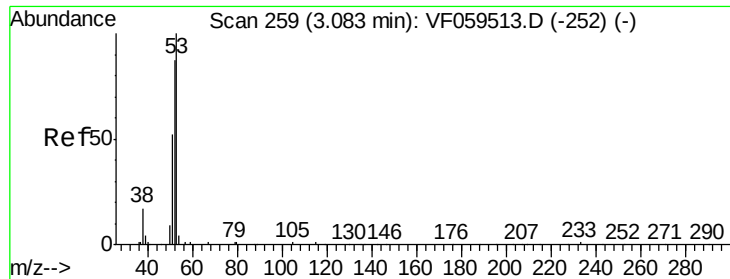
apatel
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#14
Allyl chloride
Concen: 10.57 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion: 41 Resp: 28106
Ion Ratio Lower Upper
41 100
39 138.8 103.0 154.4
76 28.4 22.6 34.0





#15

Acrylonitrile

Concen: 47.31 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

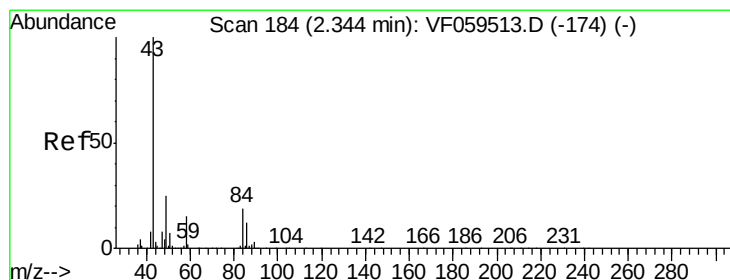
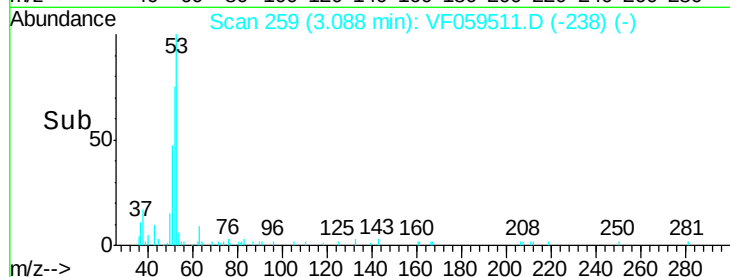
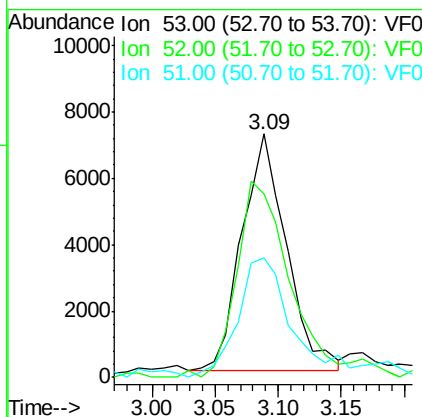
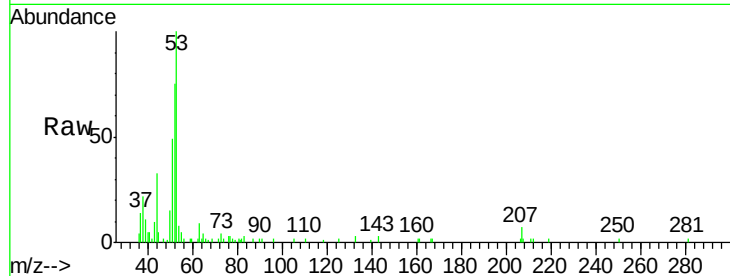
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	17602
Ion	Ratio	Lower	Upper
53	100		
52	75.3	70.1	105.1
51	49.1	42.5	63.7

Manual Integrations
APPROVED

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#16

Acetone

Concen: 54.73 ug/l

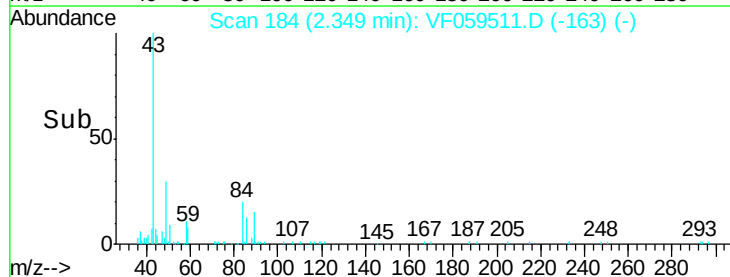
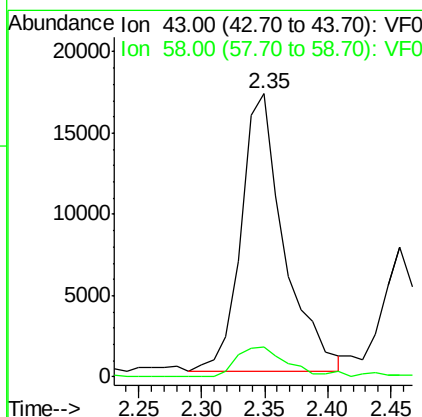
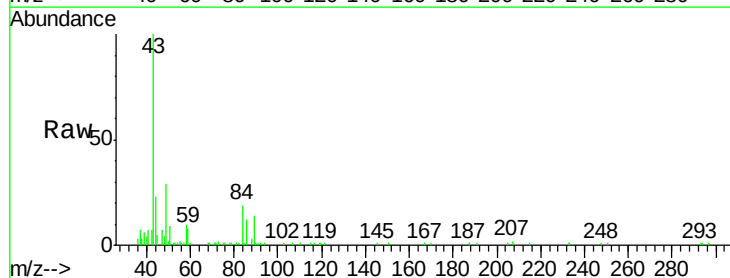
RT: 2.35 min Scan# 184

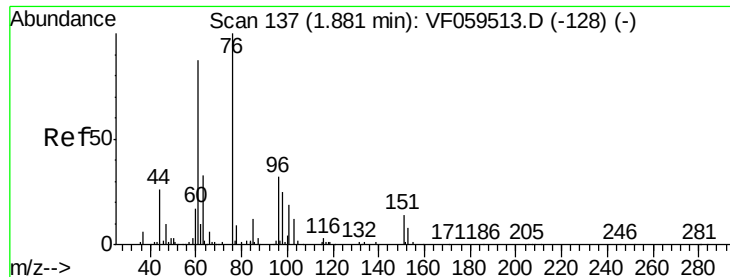
Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	43	Resp:	40410
Ion	Ratio	Lower	Upper
43	100		
58	10.5	11.8	17.6#





#17

Carbon Disulfide

Concen: 10.89 ug/l

RT: 1.88 min Scan# 136

Delta R.T. -0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 59930

Ion Ratio Lower Upper

76 100

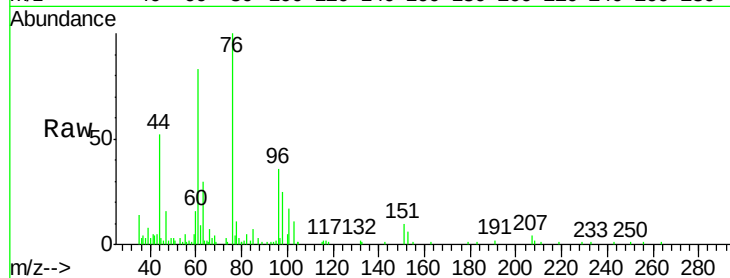
78 10.5 7.8 11.6

Manual Integrations

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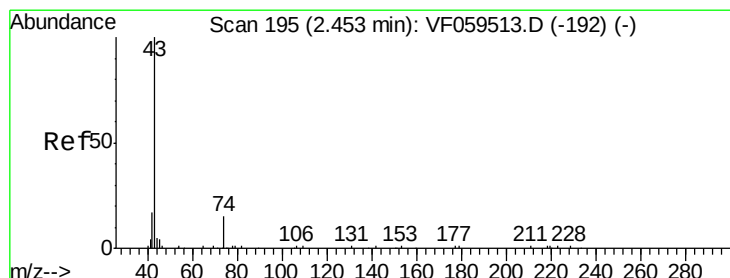
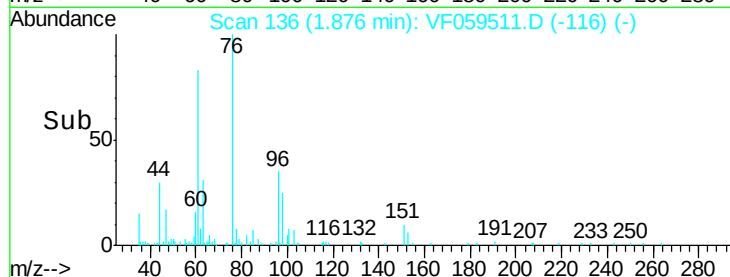
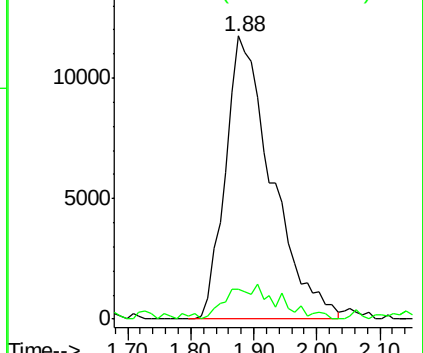
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 11.08 ug/l m

RT: 2.46 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059511.D

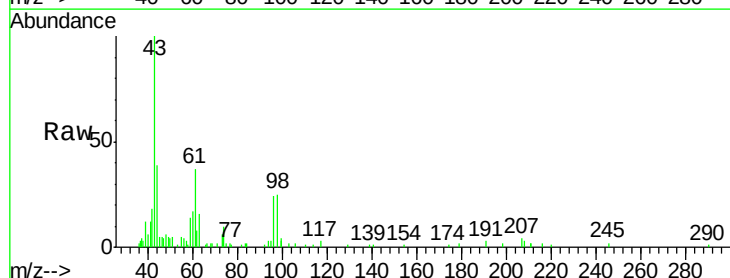
Acq: 17 Jul 2018 17:06

Tgt Ion: 43 Resp: 16798

Ion Ratio Lower Upper

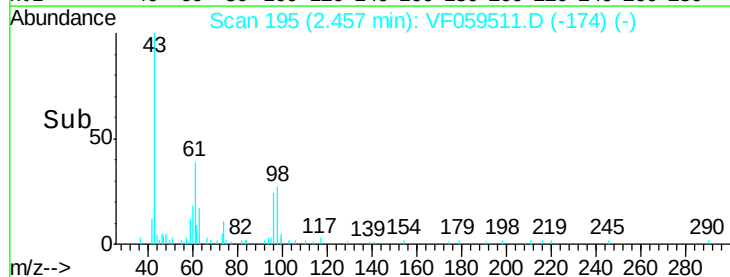
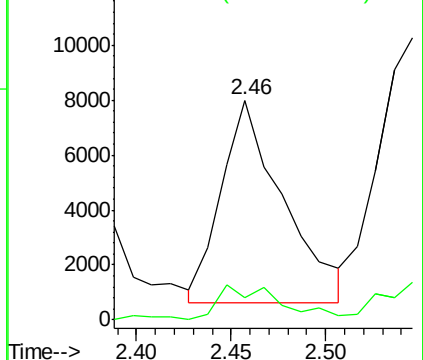
43 100

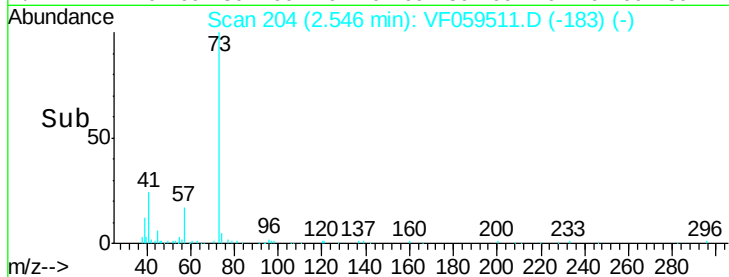
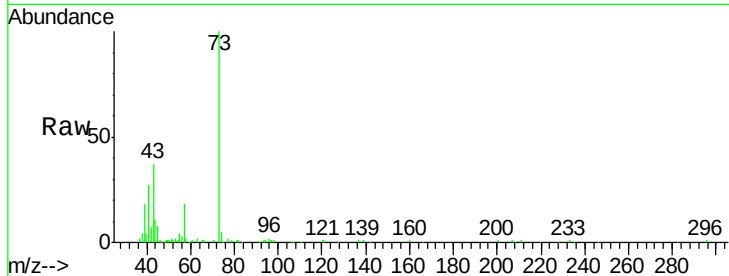
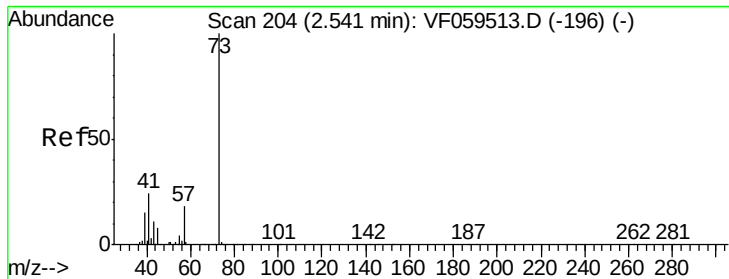
74 9.9 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





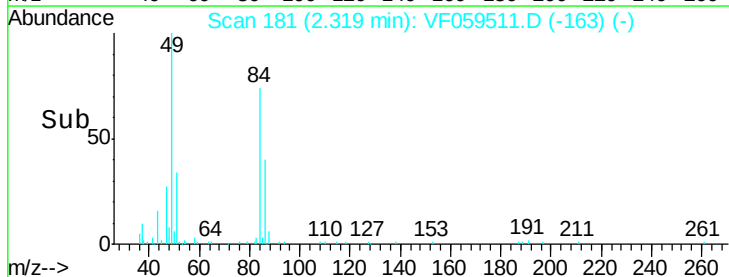
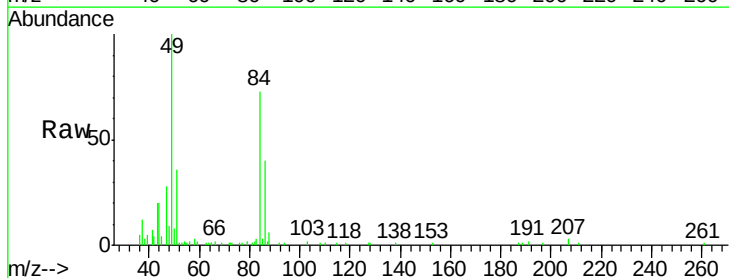
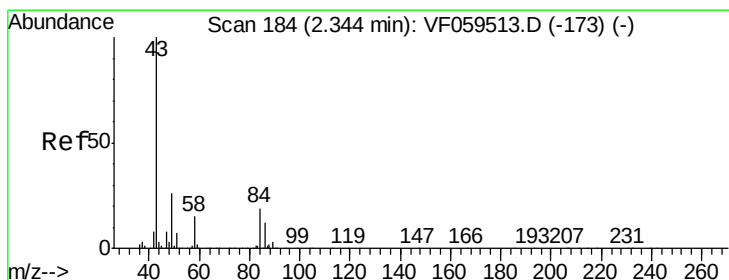
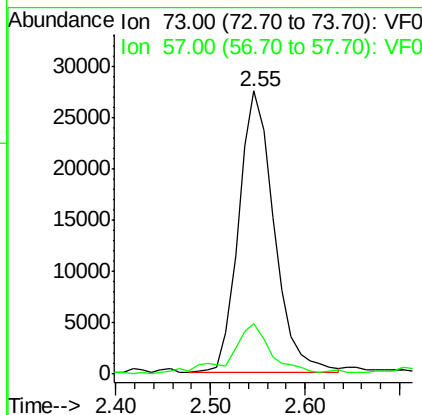
#19
Methyl tert-butyl Ether
Concen: 10.71 ug/l
RT: 2.55 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tot Ion	73	Resp	70977
Ion Ratio	100	Lower	Upper
73	100	14.3	21.5
57	18.0		

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

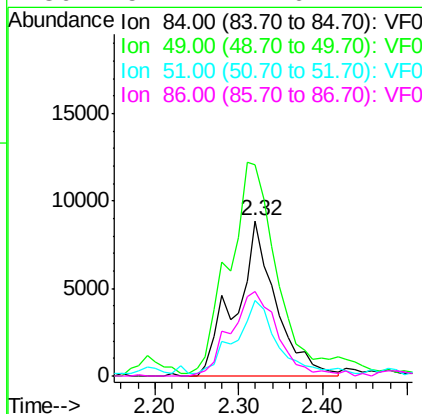
Manual Integrations
APPROVED

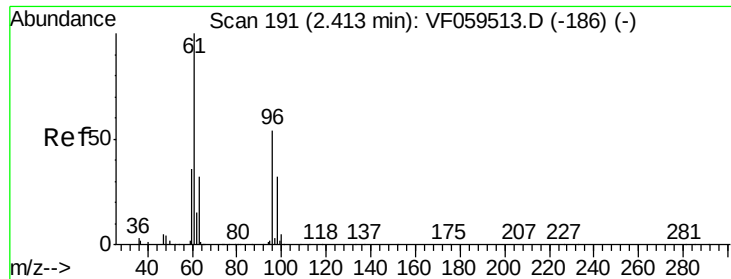
apatel
7/18/2018 3:16:01 PM



#20
Methylene Chloride
Concen: 11.20 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	84	Resp	29619
Ion Ratio	100	Lower	Upper
84	100	109.4	164.2
49	136.1	30.5	45.7#
51	48.9		
86	54.4	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 11.83 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

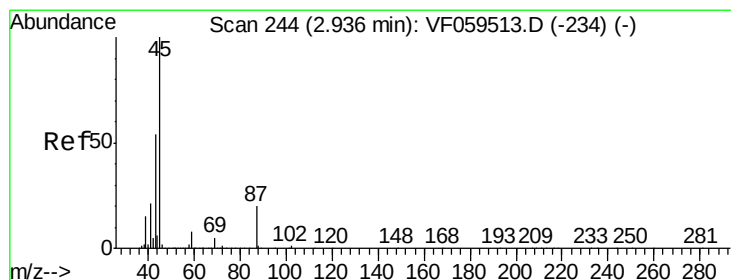
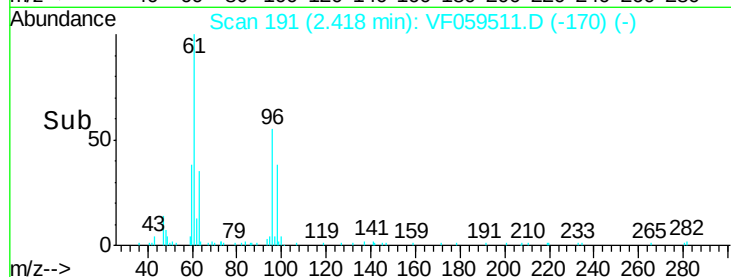
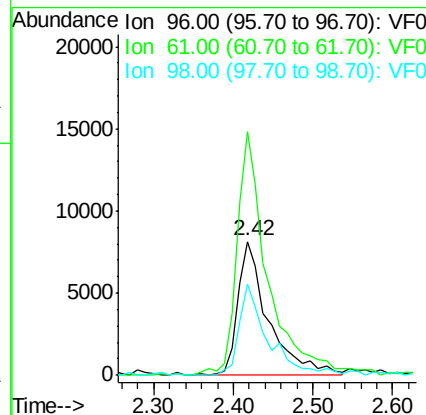
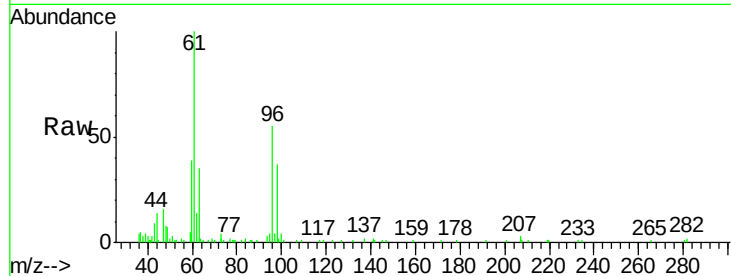
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	21839
Ion	Ratio	Lower	Upper
96	100		
61	182.0	149.8	224.8
98	67.9	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.09 ug/l

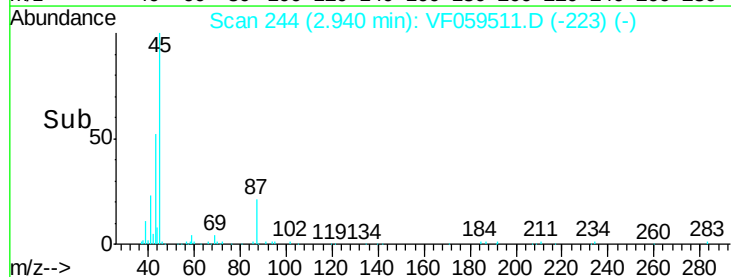
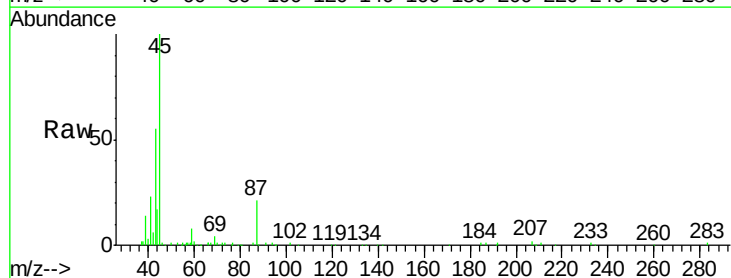
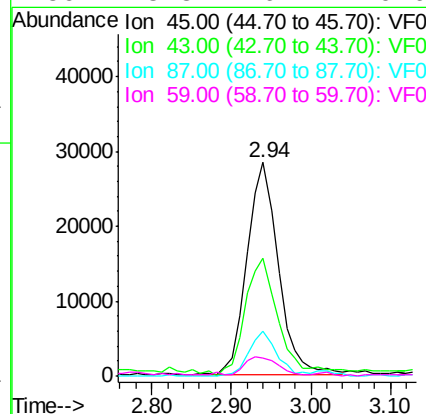
RT: 2.94 min Scan# 244

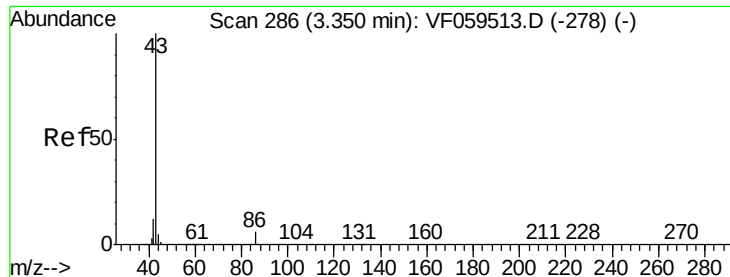
Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	45	Resp:	76889
Ion	Ratio	Lower	Upper
45	100		
43	55.0	43.6	65.4
87	21.0	15.6	23.4
59	8.3	6.4	9.6





#23

Vinyl Acetate

Concen: 56.23 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 249016

Ion Ratio Lower Upper

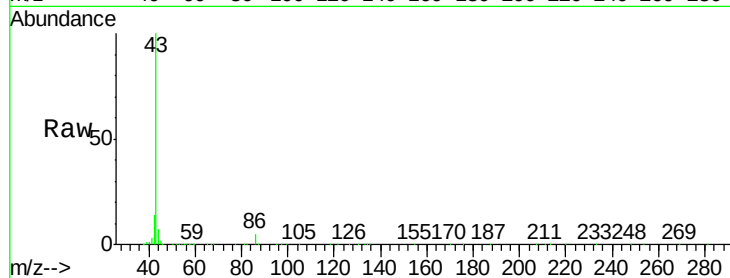
43 100

86 4.7 4.4 6.6

Manual Integrations
APPROVED

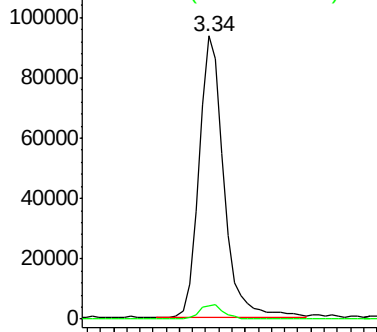
apatel

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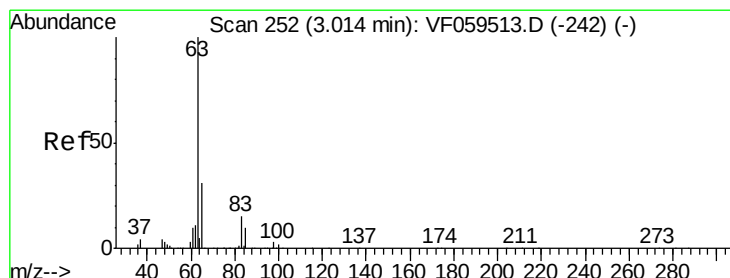
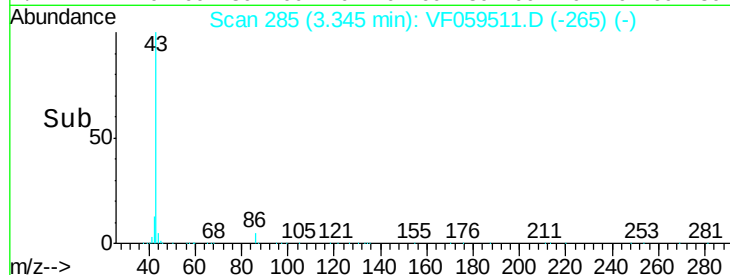


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 11.75 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

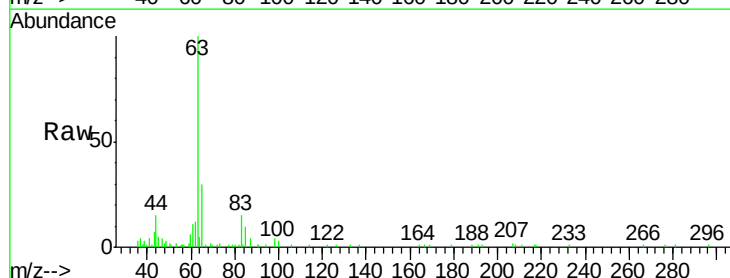
Tgt Ion: 63 Resp: 50848

Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.4

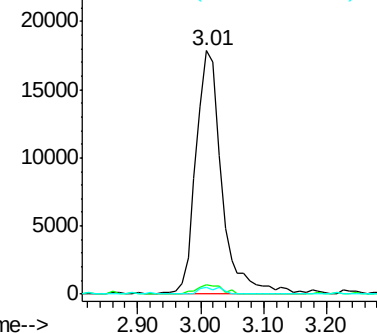
100 2.6 1.3 3.8



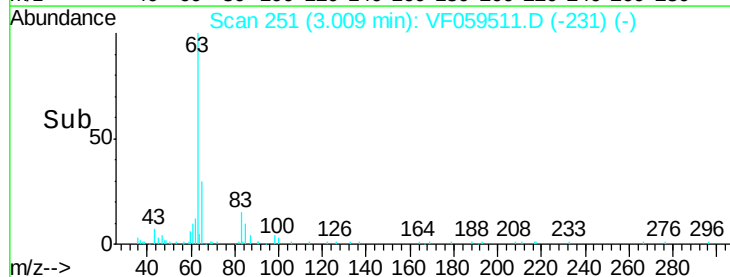
Abundance Ion 63.00 (62.70 to 63.70): VF0

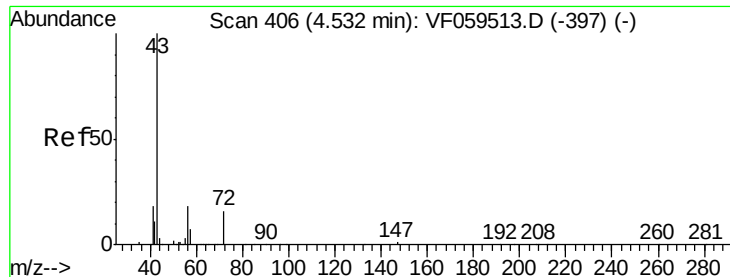
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 53.04 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tot Ion: 43 Resp: 56932

Ion Ratio Lower Upper

43 100

72 16.1 14.2 21.4

Instrument :

MSVOA_F

ClientSampleId :

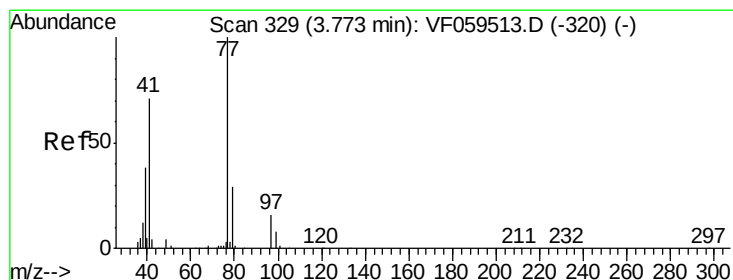
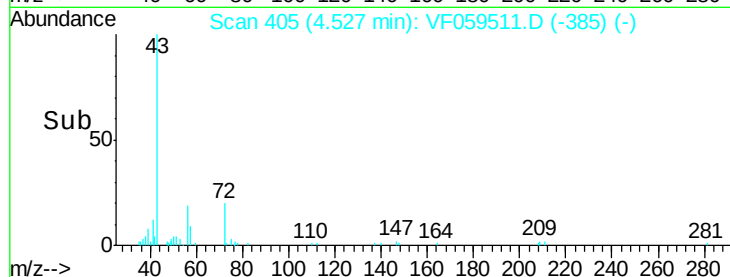
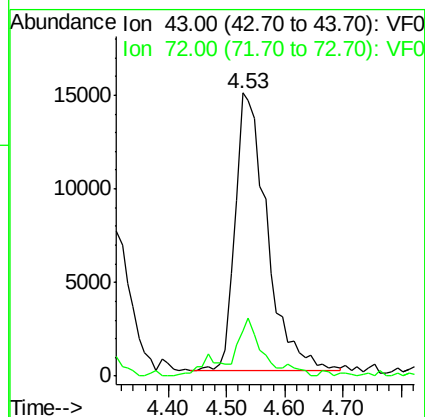
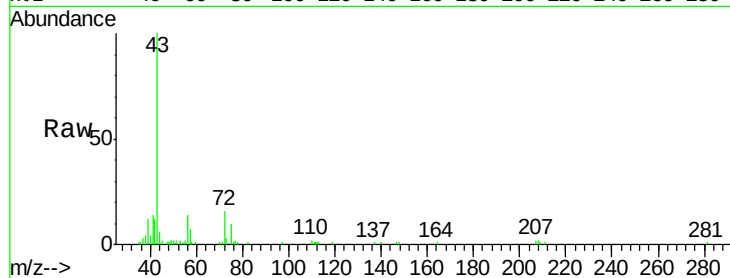
VSTDIC010

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 11.73 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059511.D

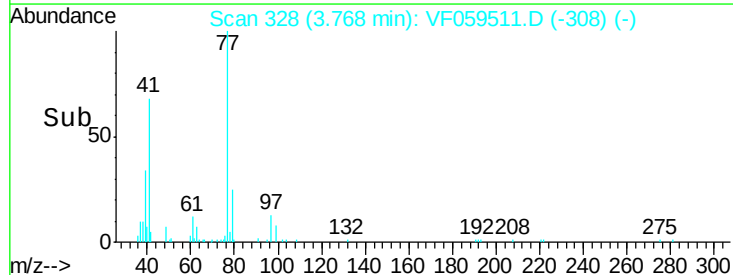
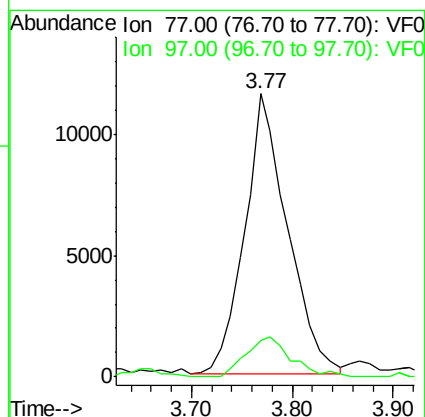
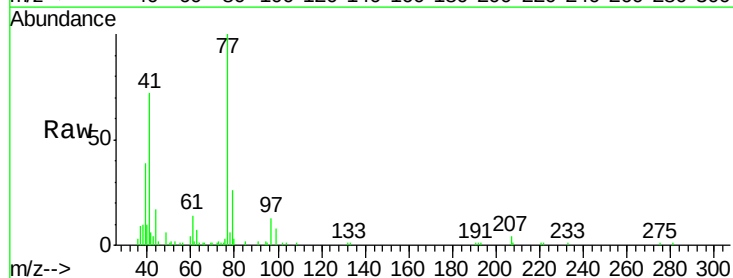
Acq: 17 Jul 2018 17:06

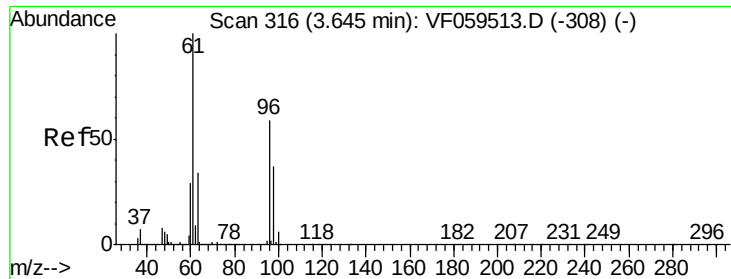
Tgt Ion: 77 Resp: 34070

Ion Ratio Lower Upper

77 100

97 12.8 8.1 24.3





#27

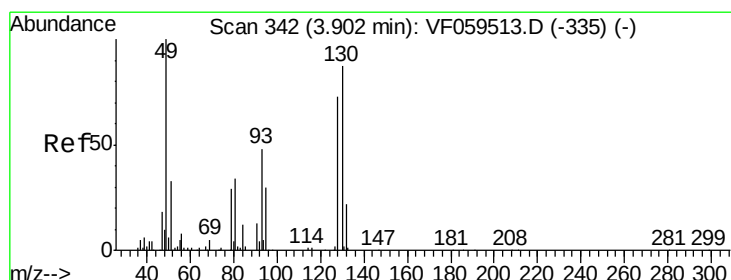
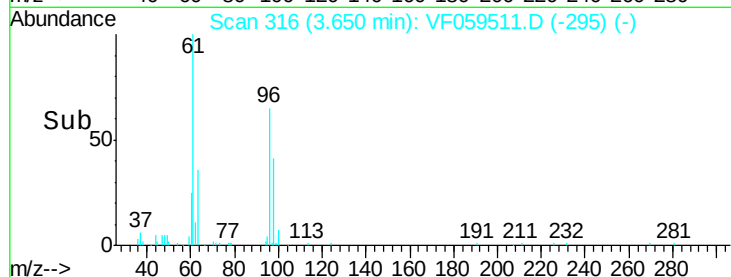
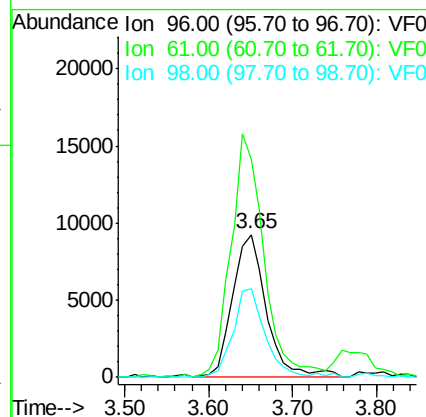
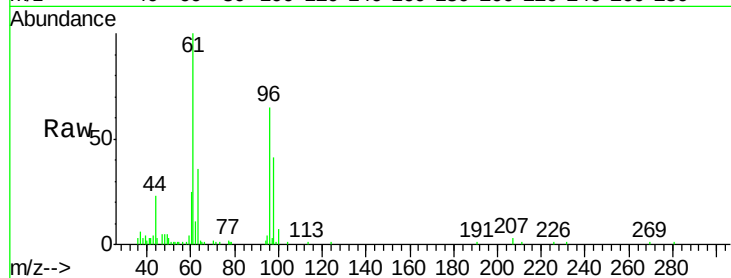
cis-1,2-Dichloroethene
Concen: 10.25 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	339.0
98	62.0	0.0	125.4

Manual Integrations
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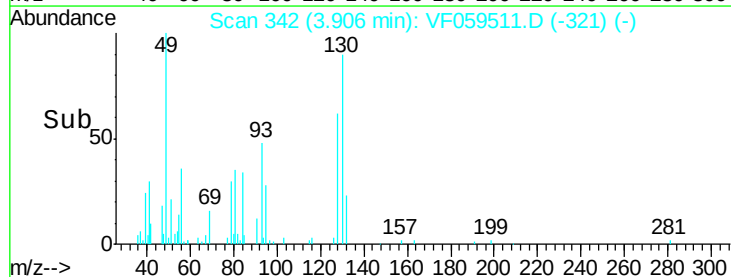
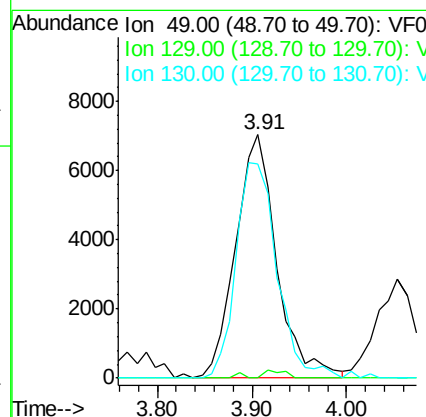
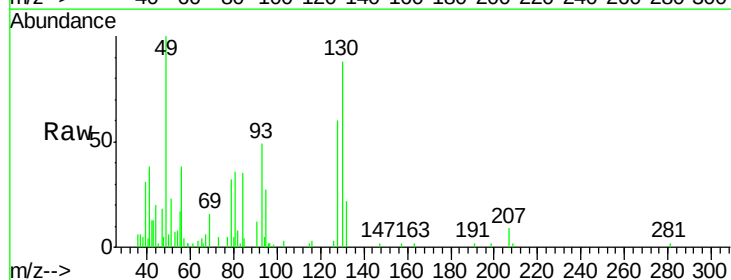
apatel
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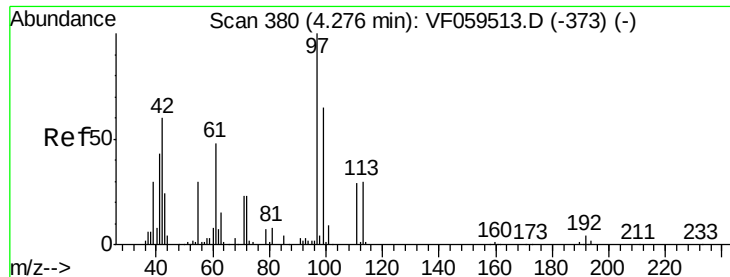


#28

Bromochloromethane
Concen: 10.59 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	87.9	69.8	104.6





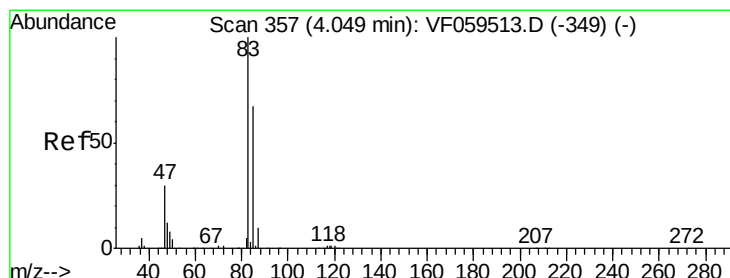
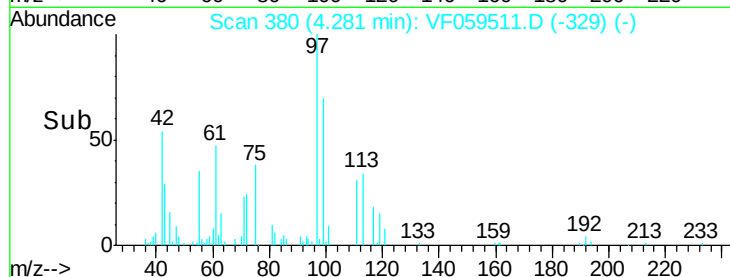
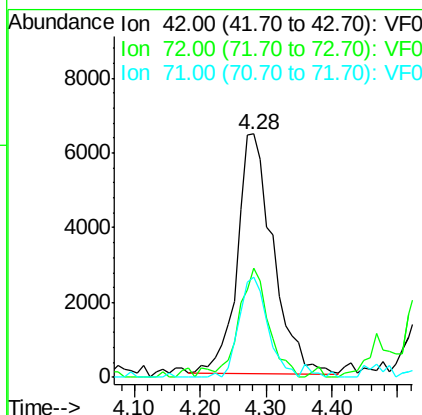
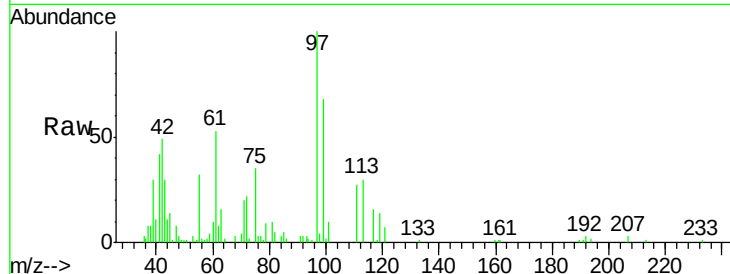
#29
Tetrahydrofuran
Concen: 52.98 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	28.7	43.1
71	33.6	30.8	46.2

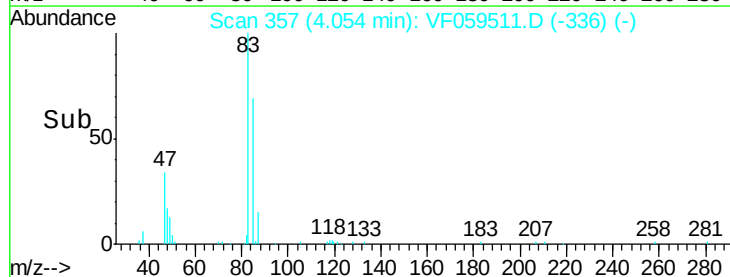
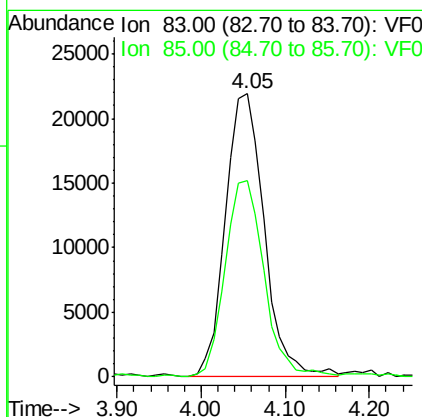
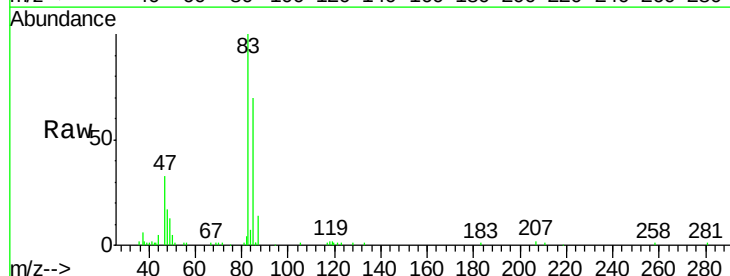
Manual Integrations
APPROVED

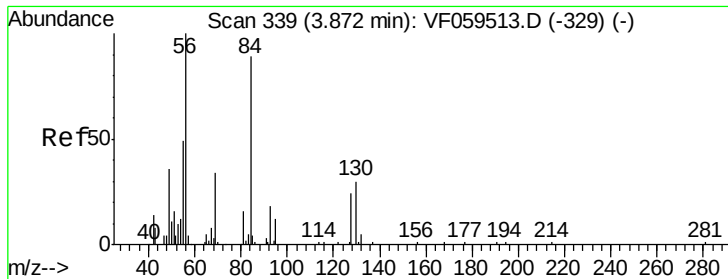
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#30
Chloroform
Concen: 10.86 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.5	53.2	79.8





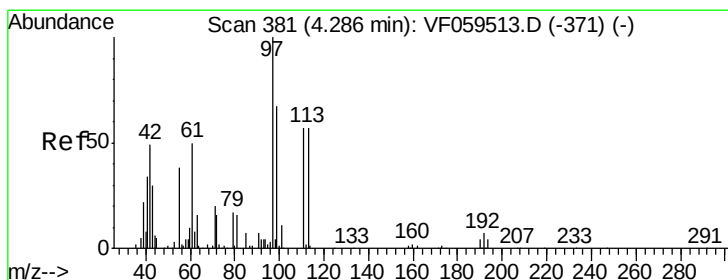
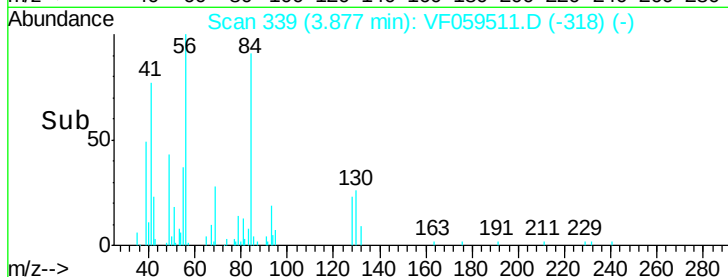
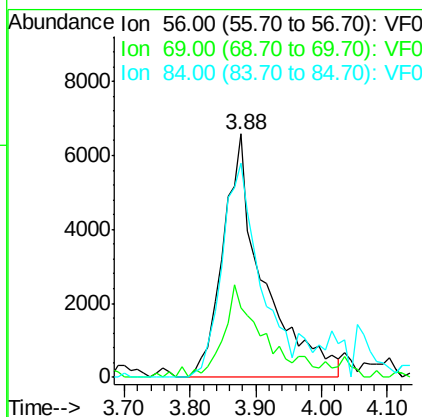
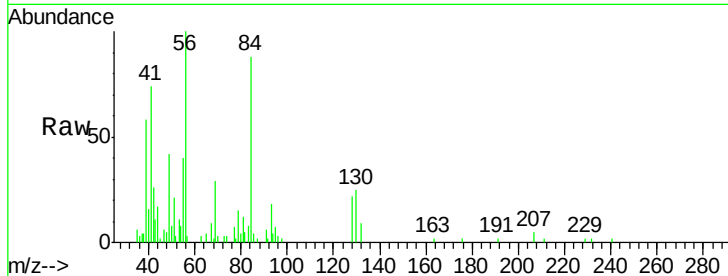
#31
Cyclohexane
Concen: 11.44 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	27.6	41.4
84	88.0	71.4	107.2

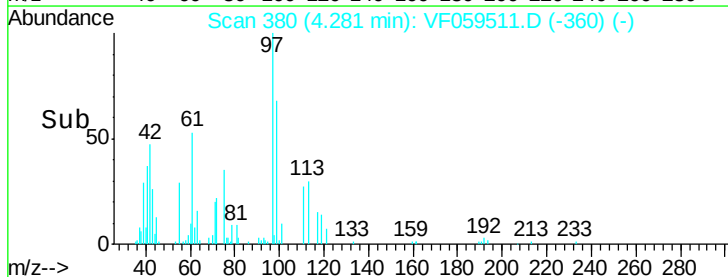
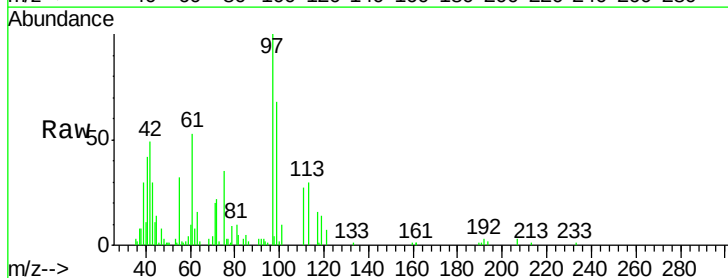
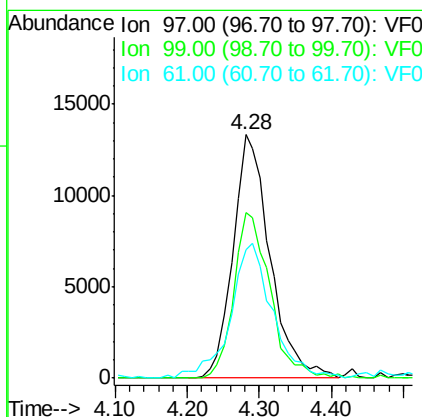
Manual Integrations
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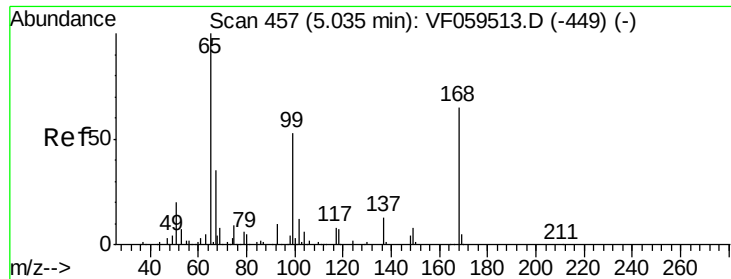
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#32
1,1,1-Trichloroethane
Concen: 10.60 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.1	53.5	80.3
61	52.9	39.7	59.5





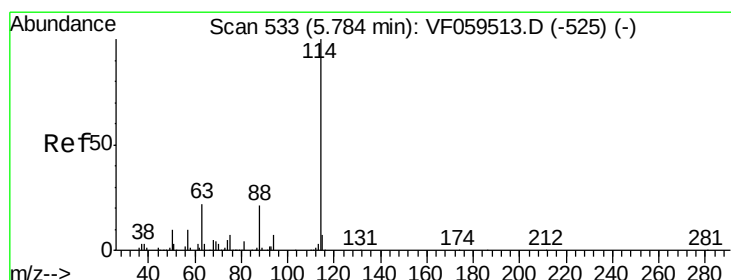
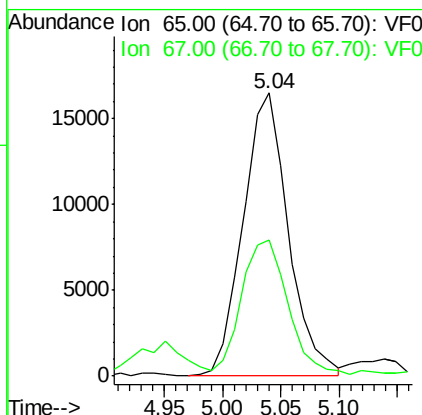
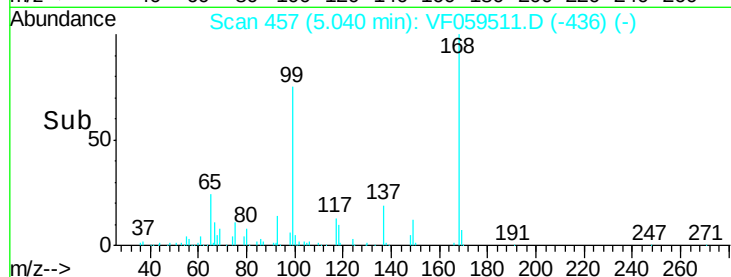
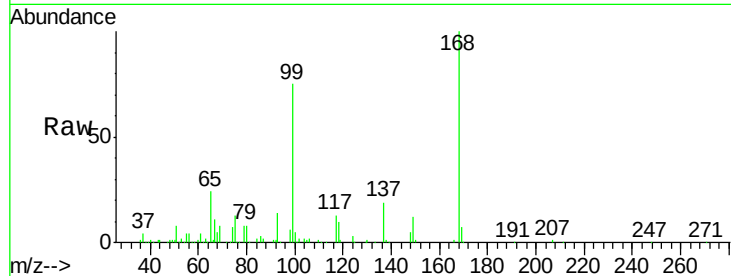
#33
 1,2-Dichloroethane-d4
 Concen: 10.23 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.2	0.0	91.2

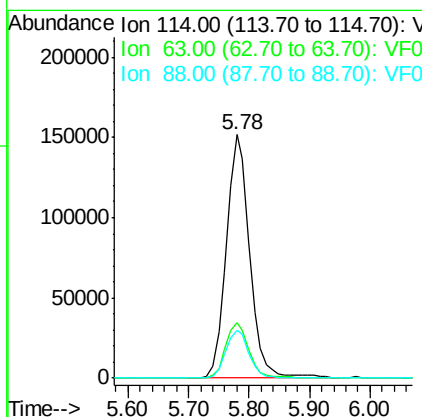
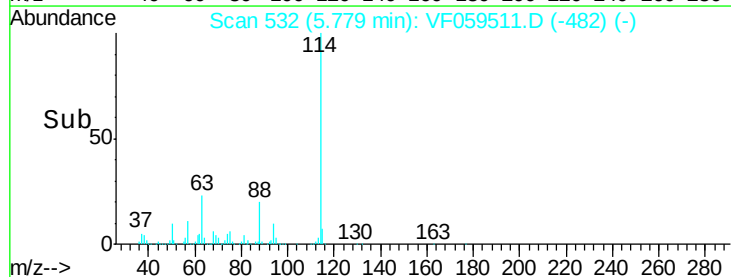
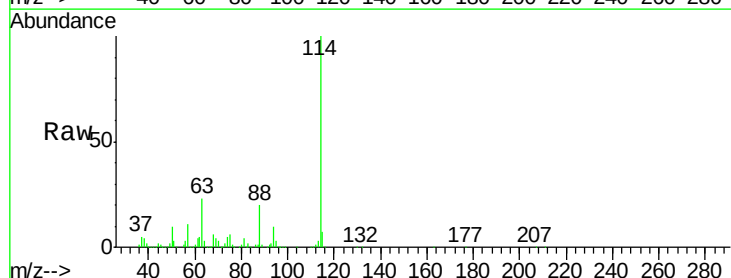
Manual Integrations
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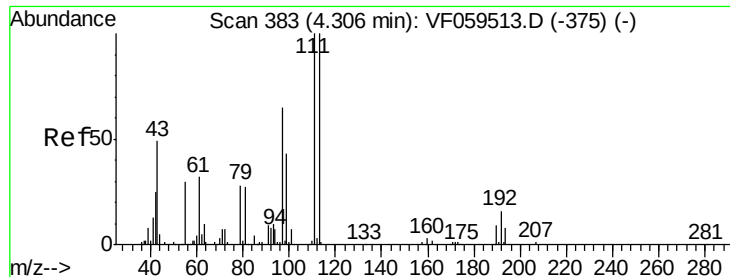
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.8
88	19.8	0.0	42.6





#35

Dibromofluoromethane

Concen: 10.54 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:113 Resp: 37082

Ion Ratio Lower Upper

113 100

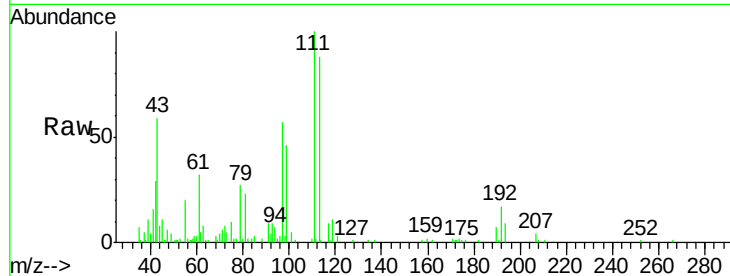
111 116.5 80.3 120.5

192 19.0 13.1 19.7

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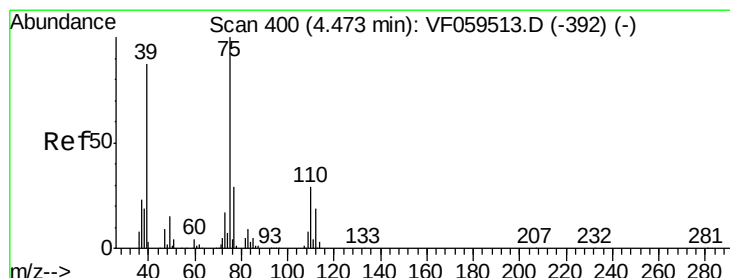
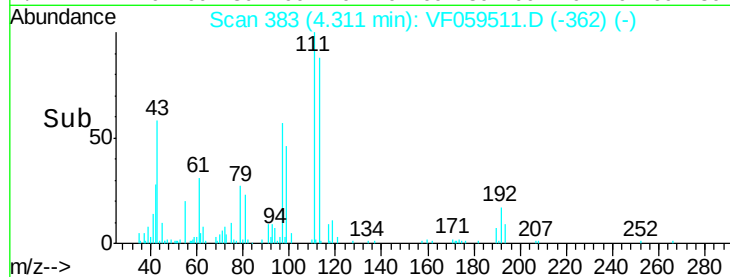
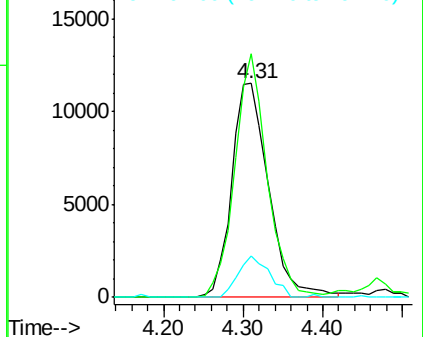
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 10.26 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

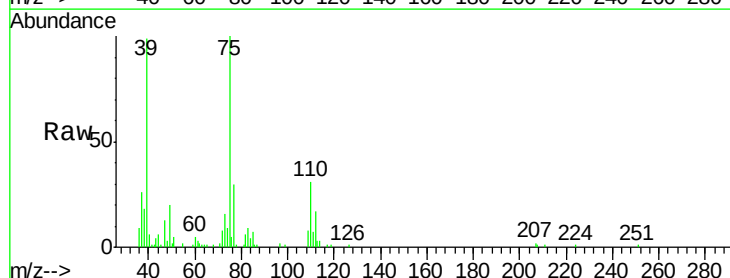
Tgt Ion: 75 Resp: 42330

Ion Ratio Lower Upper

75 100

110 30.9 14.6 43.8

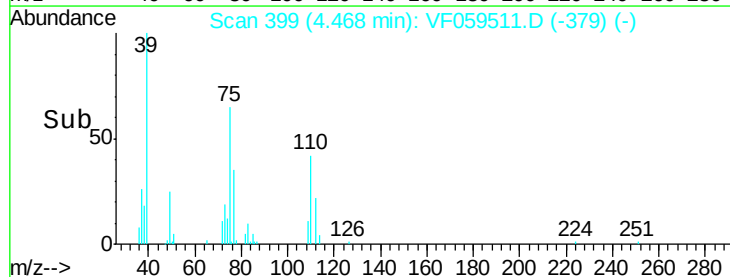
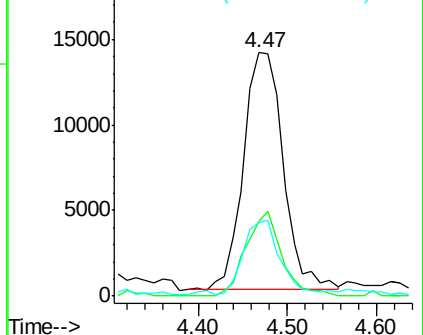
77 29.9 23.7 35.5

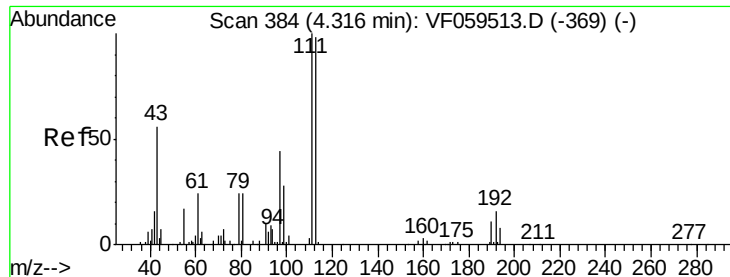


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 12.01 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

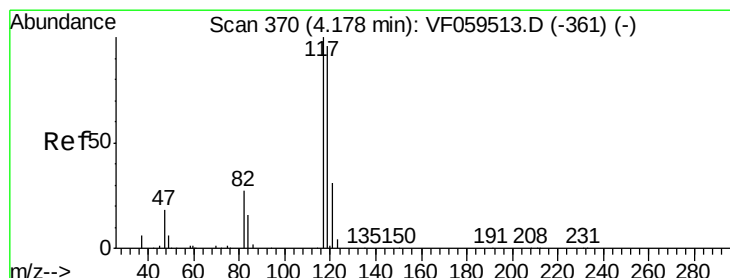
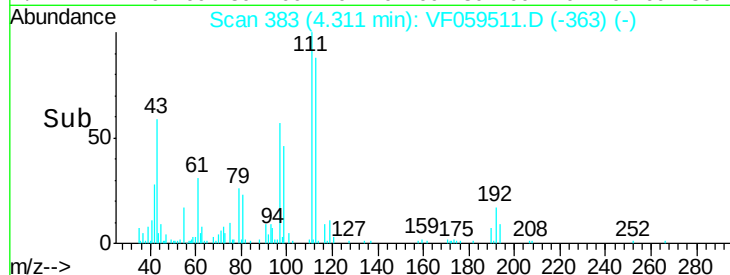
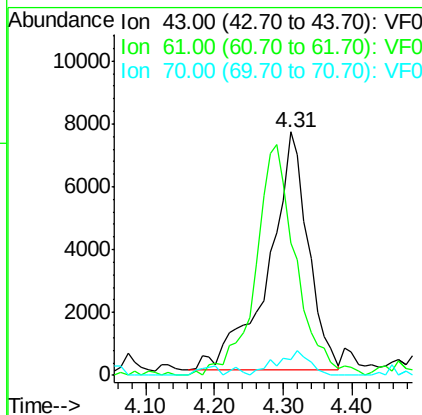
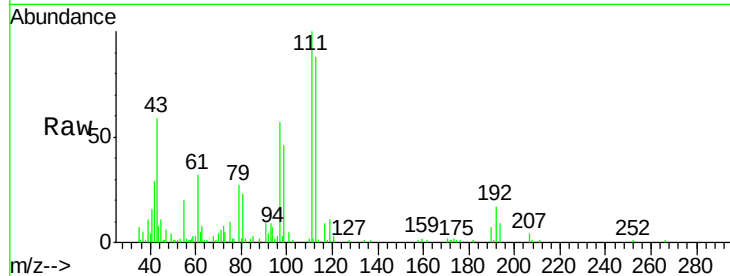
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	30322
Ion	Ratio	Lower	Upper
43	100		
61	54.4	33.7	50.5#
70	6.5	7.4	11.0#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 10.96 ug/l m

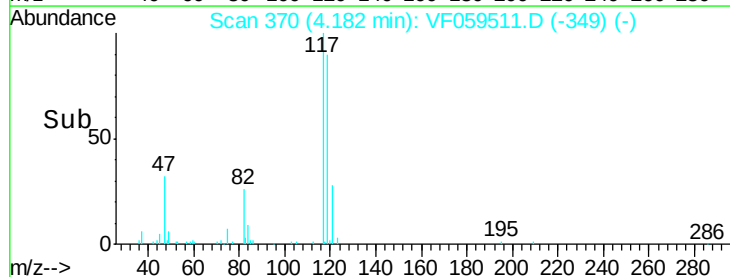
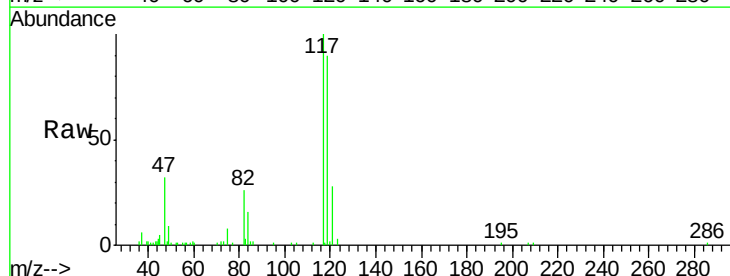
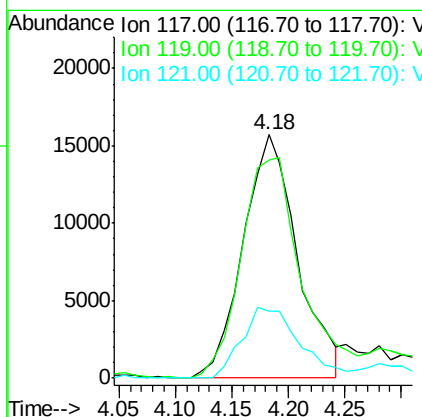
RT: 4.18 min Scan# 370

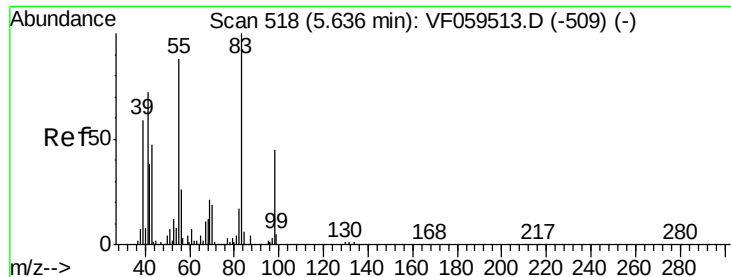
Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	117	Resp:	52423
Ion	Ratio	Lower	Upper
117	100		
119	90.5	77.6	116.4
121	27.9	24.9	37.3





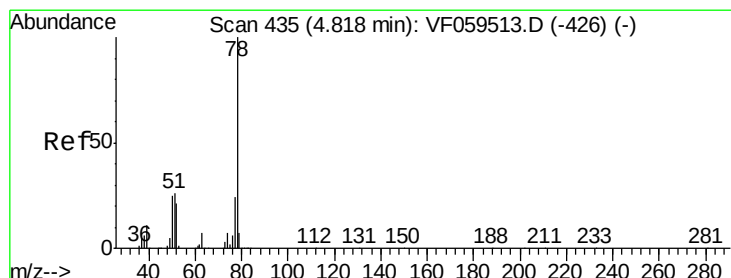
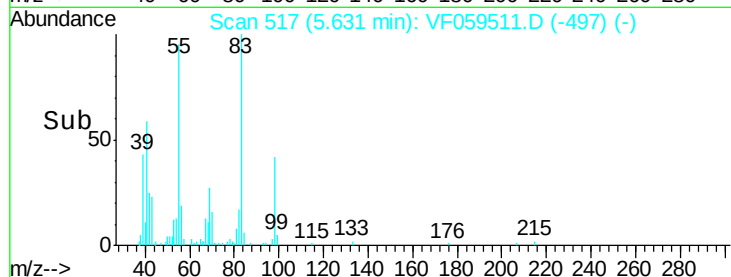
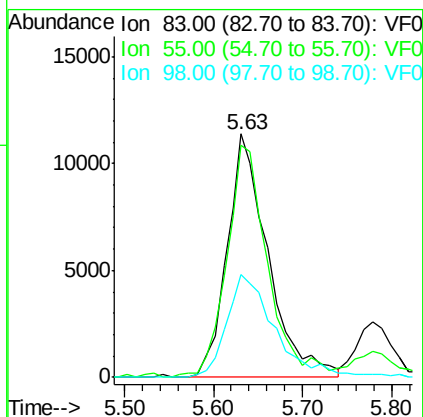
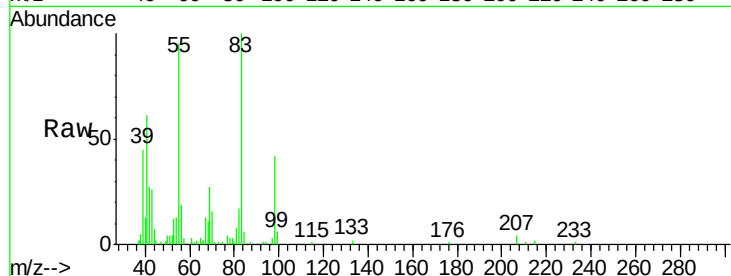
#39
Methylvlcyclohexane
Concen: 11.77 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	36557
Ion Ratio	Lower	Upper	
83	100		
55	95.3	70.2	105.4
98	42.5	36.2	54.2

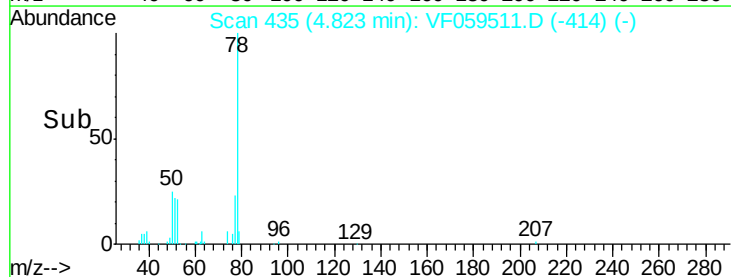
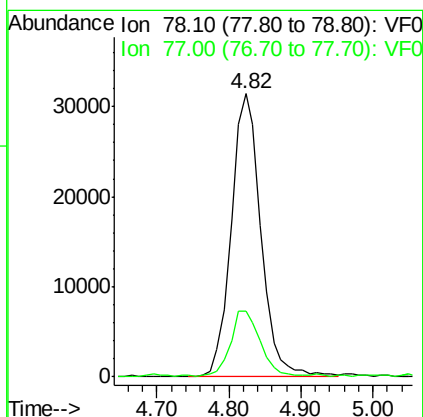
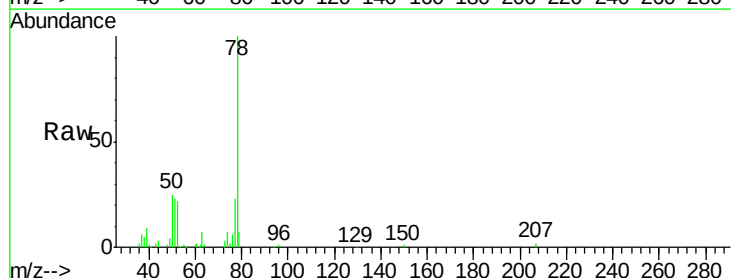
Manual Integrations
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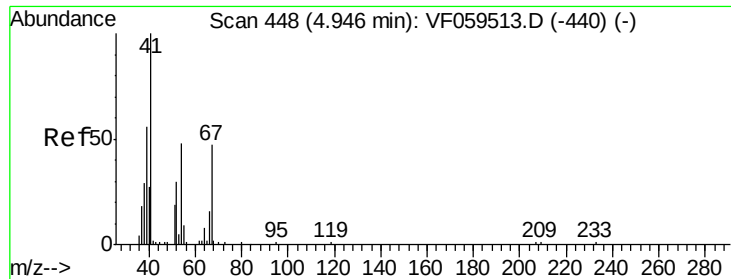
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#40
Benzene
Concen: 11.26 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	78	Resp	90294
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.4	29.0





#41

Methacrylonitrile

Concen: 11.07 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

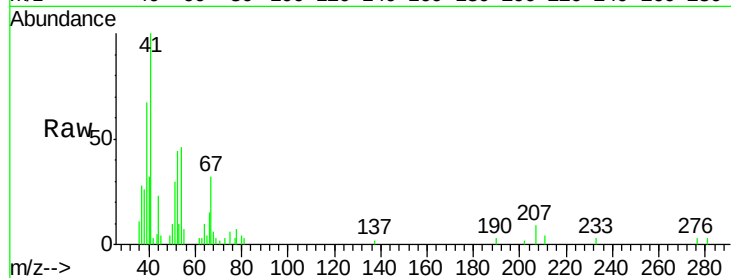
Tot Ion: 41 Resp: 13482

Ion	Ratio	Lower	Upper
41	100		
39	66.8	49.4	74.0
67	31.8	37.4	56.2
52	43.8	32.1	48.1

Manual Integrations
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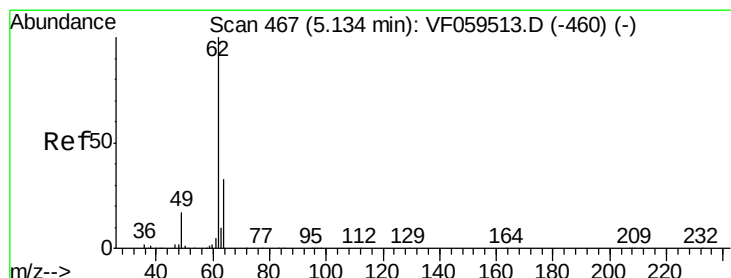
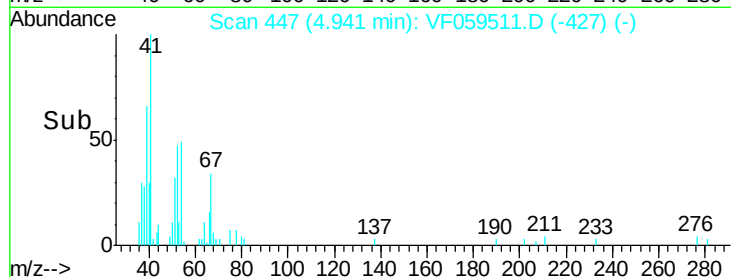
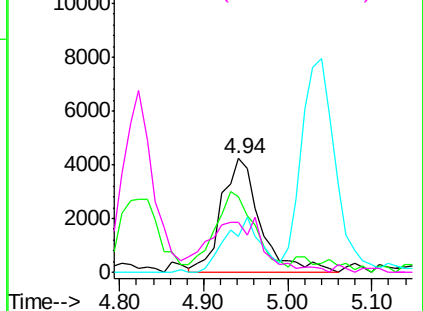
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 10.76 ug/l

RT: 5.13 min Scan# 466

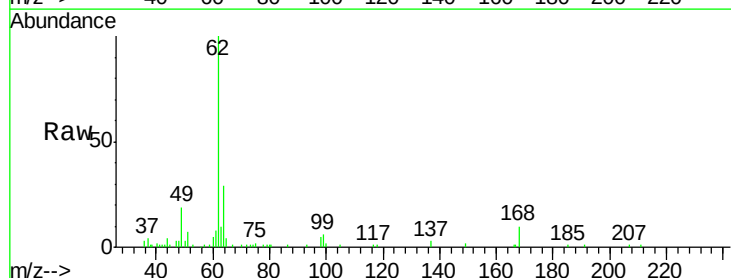
Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion: 62 Resp: 55203

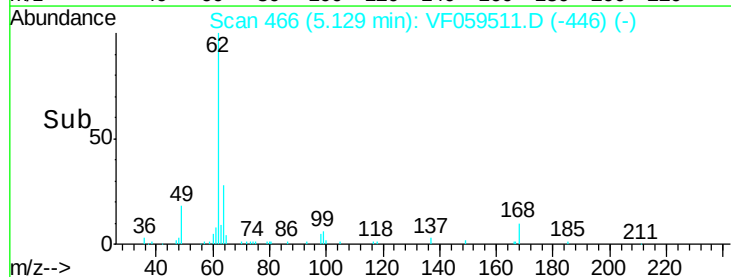
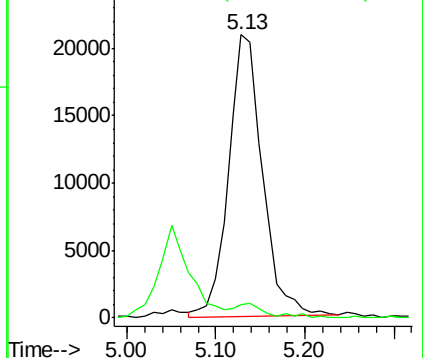
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.6

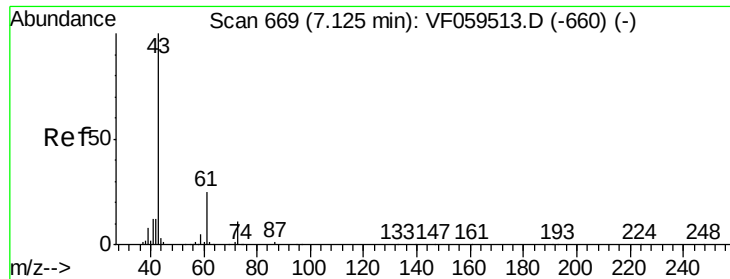


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





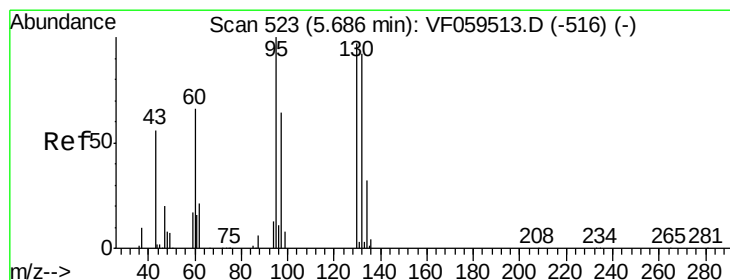
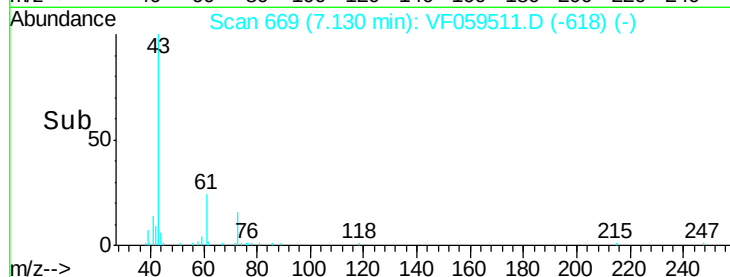
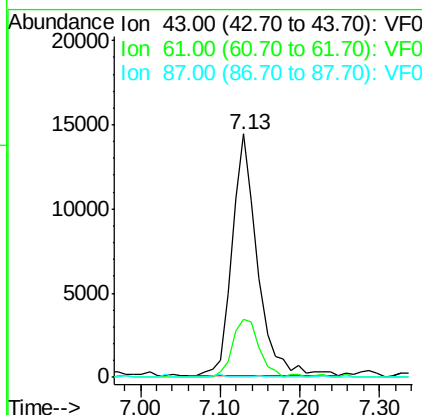
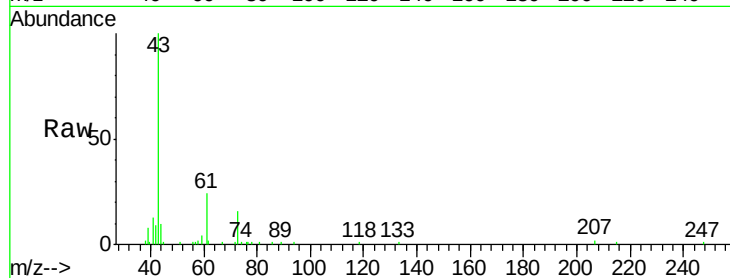
#43
Isopropyl Acetate
Concen: 10.43 ug/l
RT: 7.13 min Scan# 669
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	20.3	30.5
87	0.0	0.4	0.6

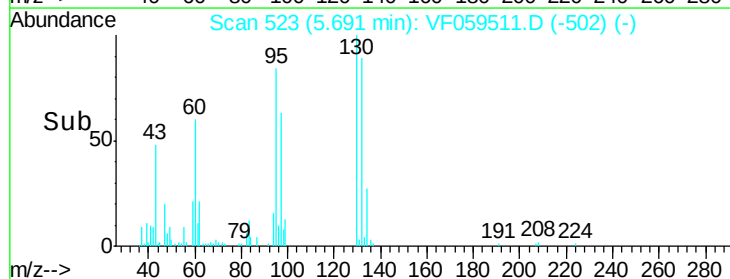
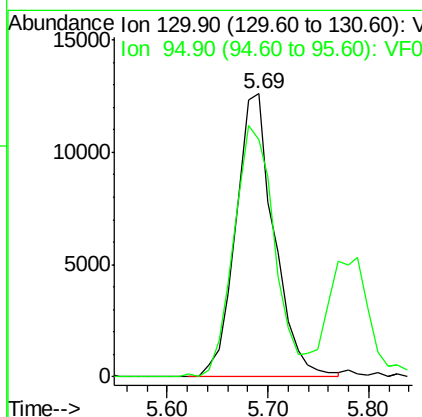
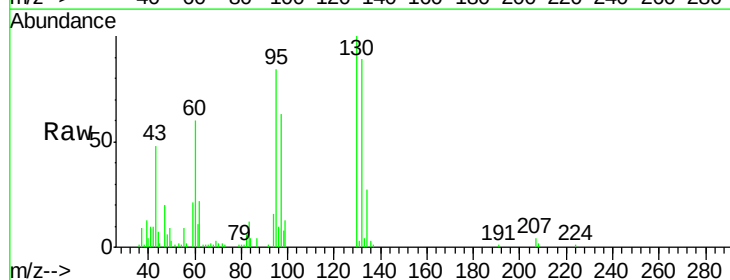
Manual Integrations
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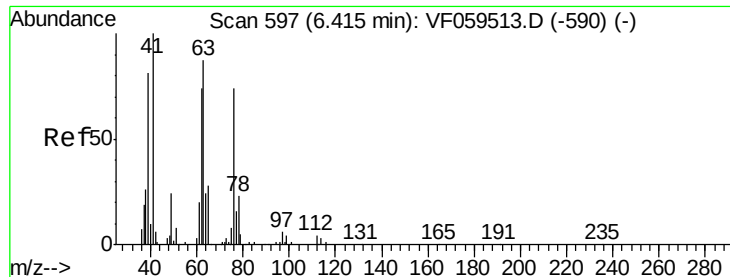
apatel
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#44
Trichloroethene
Concen: 11.56 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.0	0.0	206.6





#45

1,2-Dichloropropane

Concen: 10.39 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 23633

Ion Ratio Lower Upper

63 100

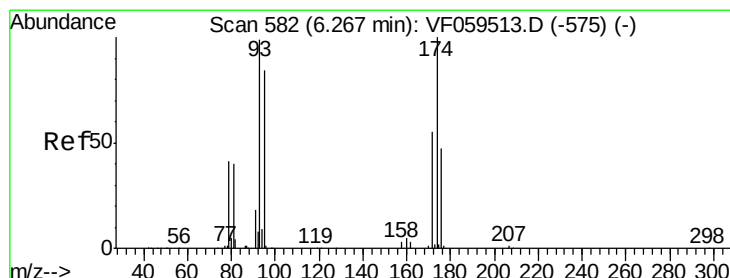
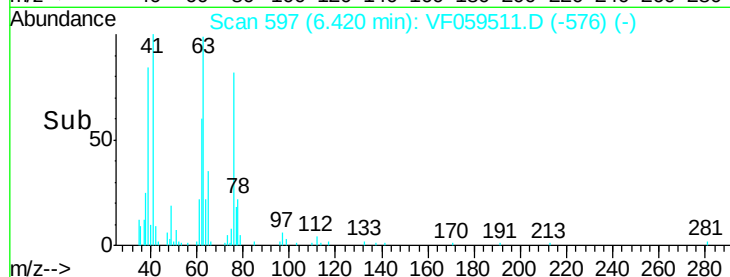
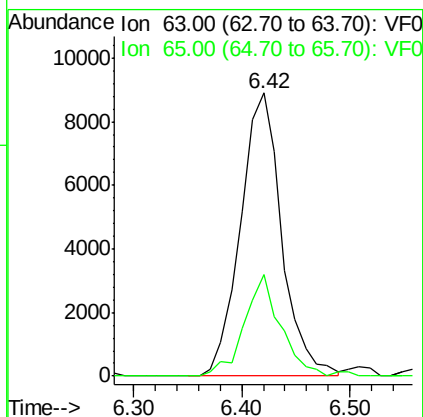
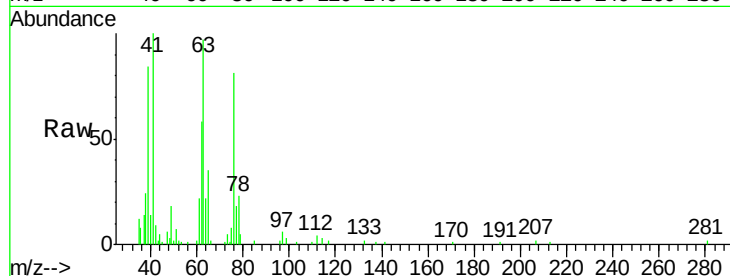
65 35.8 26.1 39.1

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#46

Dibromomethane

Concen: 10.57 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

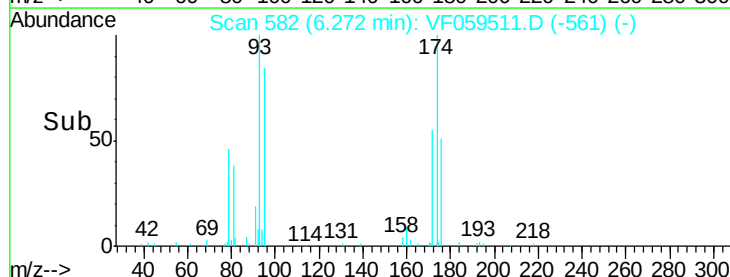
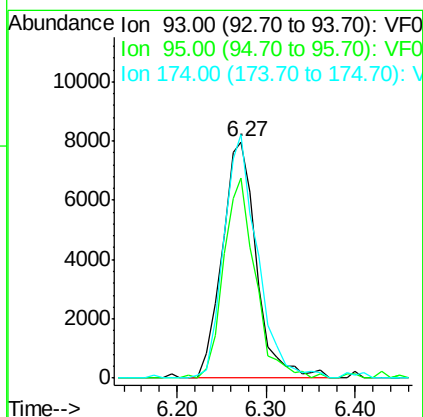
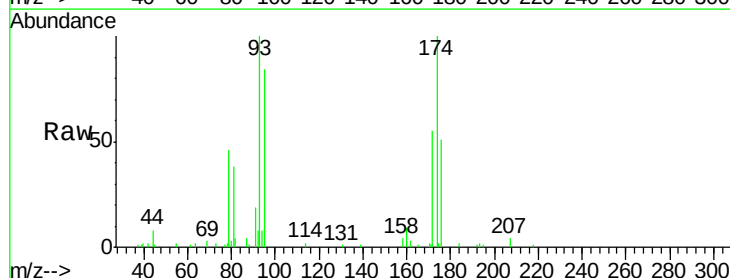
Tgt Ion: 93 Resp: 21472

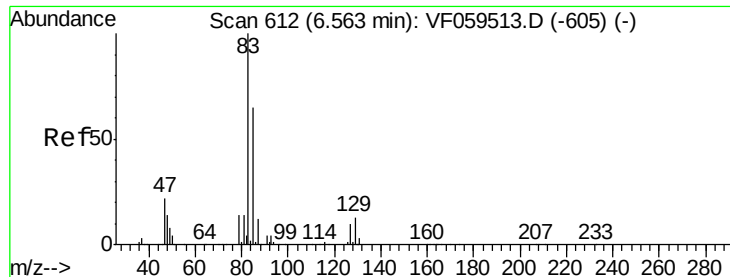
Ion Ratio Lower Upper

93 100

95 84.6 68.3 102.5

174 102.9 81.2 121.8





#47

Bromodichloromethane

Concen: 10.67 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

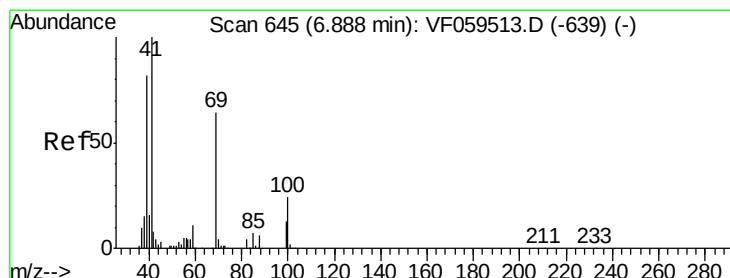
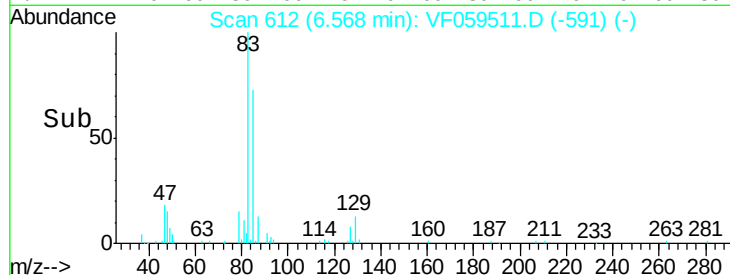
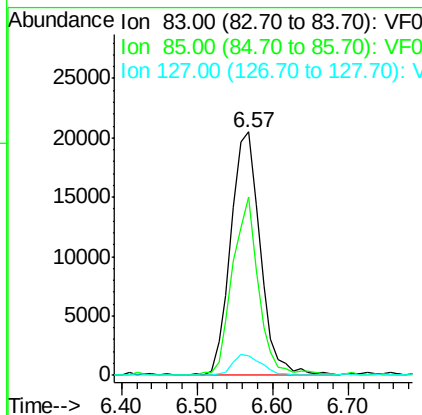
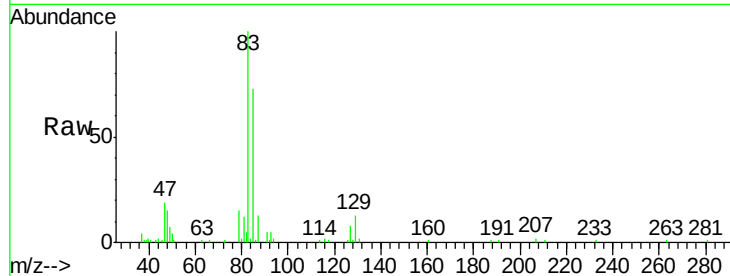
VSTDIC010

Tot Ion:	83	Resp:	55389
Ion	Ratio	Lower	Upper
83	100		
85	73.3	52.4	78.6
127	8.2	8.2	12.4#

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#48

Methyl methacrylate

Concen: 9.94 ug/l

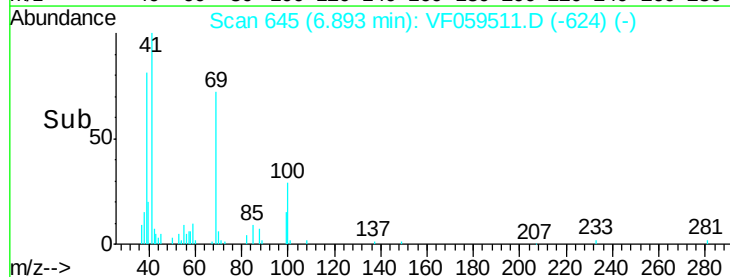
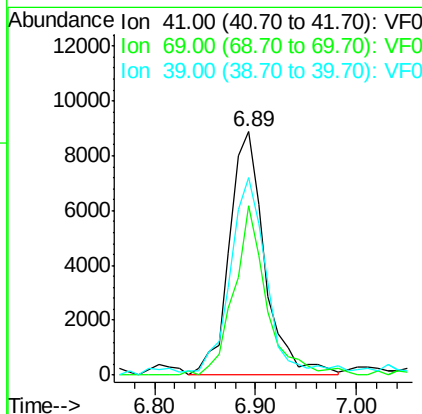
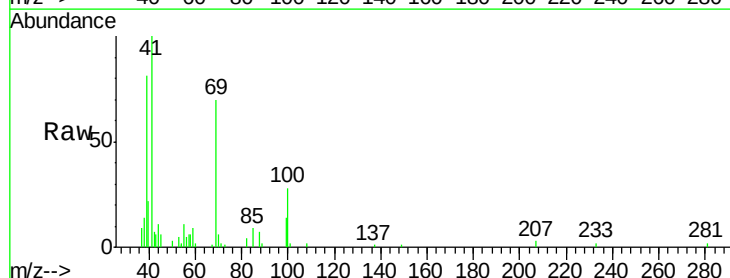
RT: 6.89 min Scan# 645

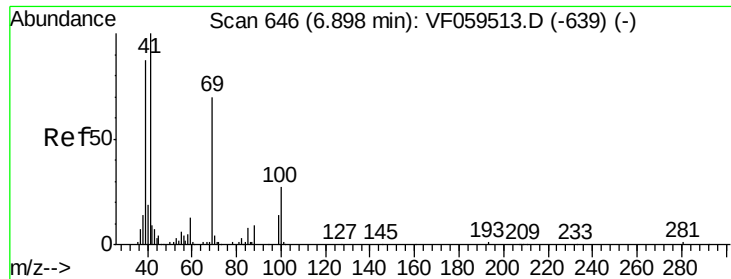
Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	41	Resp:	21663
Ion	Ratio	Lower	Upper
41	100		
69	69.8	51.3	76.9
39	81.4	65.3	97.9





#49

1,4-Dioxane

Concen: 243.15 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

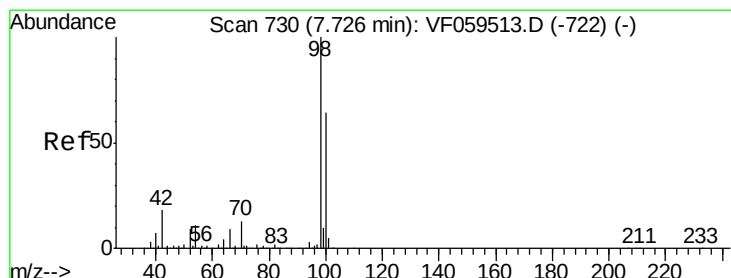
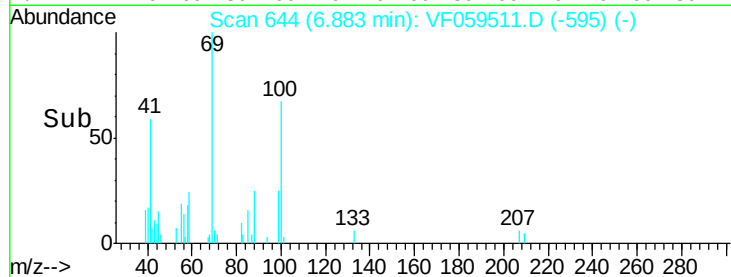
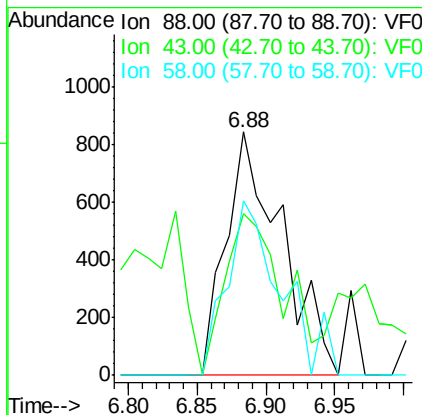
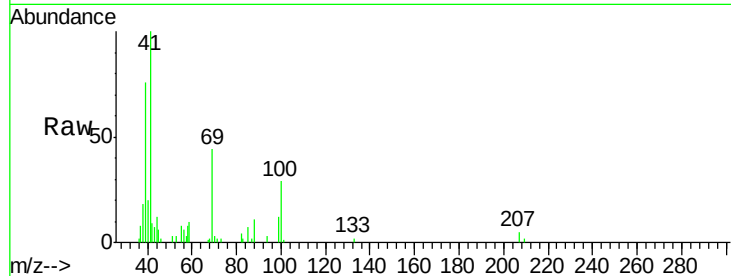
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	2397
Ion	Ratio	Lower	Upper
88	100		
43	66.3	64.8	97.2
58	72.0	44.1	66.1#

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#50

Toluene-d8

Concen: 11.06 ug/l

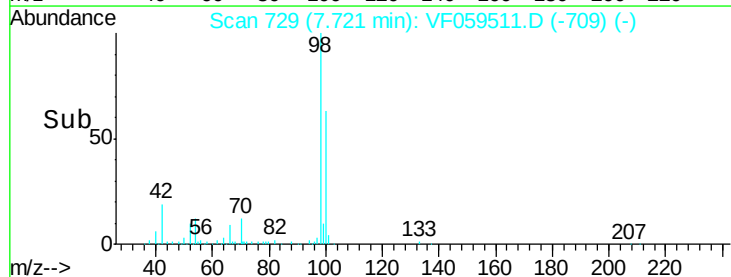
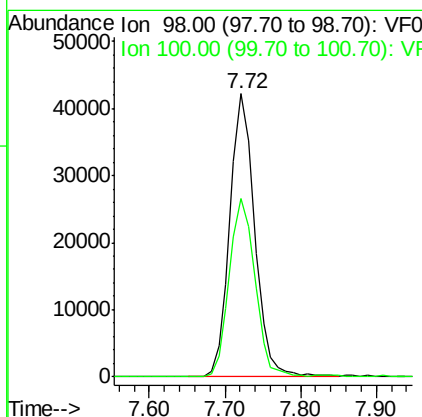
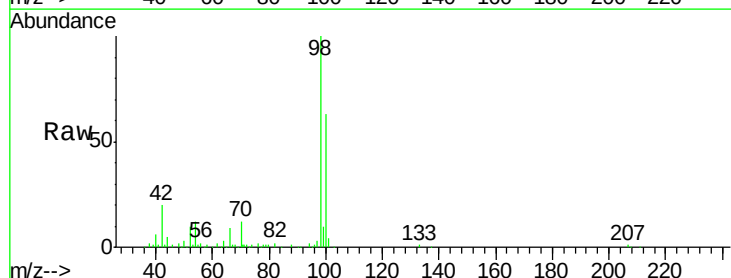
RT: 7.72 min Scan# 729

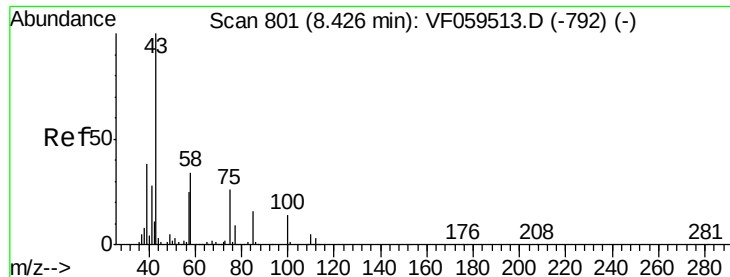
Delta R.T. -0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	98	Resp:	96286
Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 56.40 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 119665

Ion Ratio Lower Upper

43 100

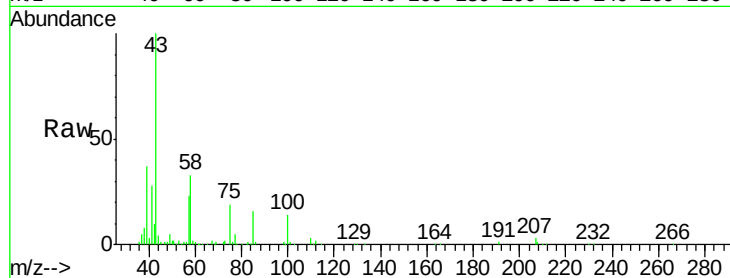
58 33.1 27.4 41.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

50000

40000

30000

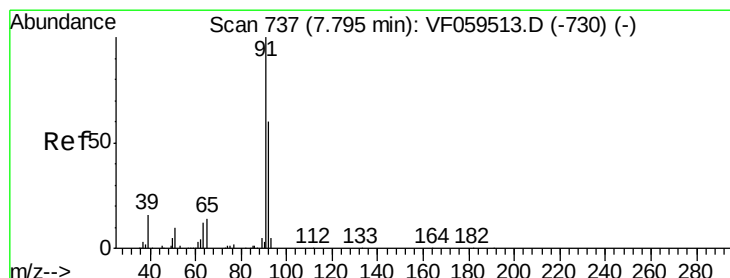
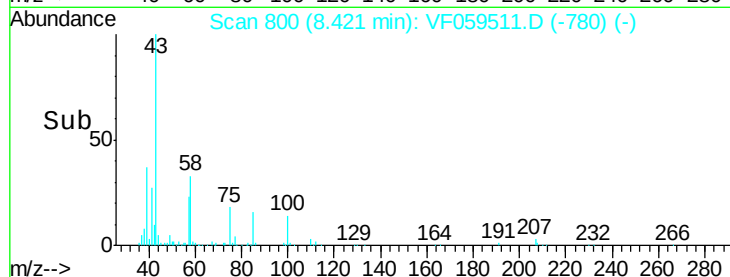
20000

10000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 11.38 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF059511.D

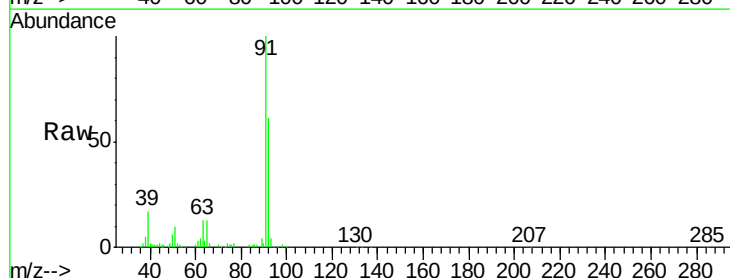
Acq: 17 Jul 2018 17:06

Tgt Ion: 92 Resp: 65581

Ion Ratio Lower Upper

92 100

91 164.0 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

50000

40000

30000

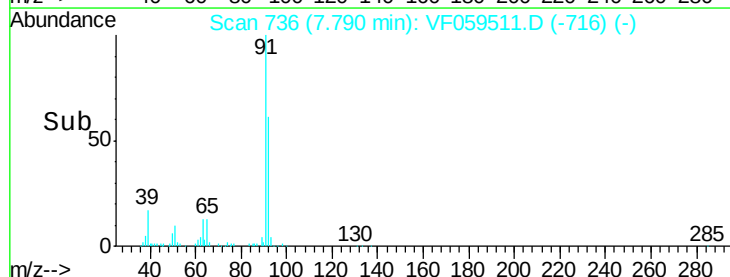
20000

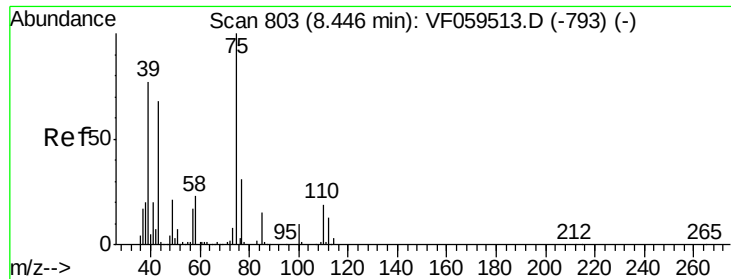
10000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 11.72 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 53743

Ion Ratio Lower Upper

75 100

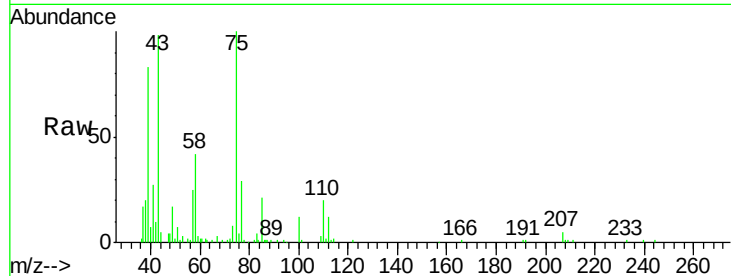
77 29.1 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

25000

20000

15000

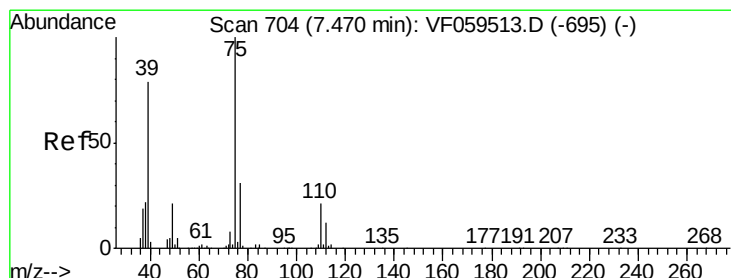
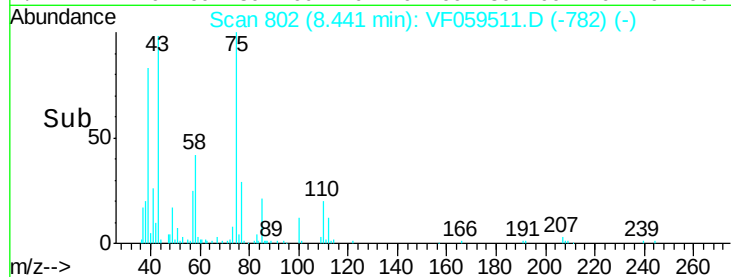
10000

5000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 10.50 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

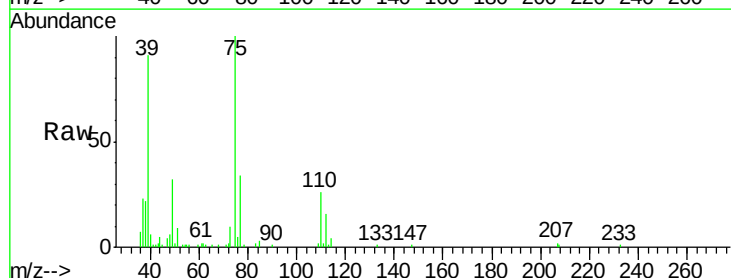
Tgt Ion: 75 Resp: 49975

Ion Ratio Lower Upper

75 100

77 33.7 25.0 37.6

39 91.3 63.8 95.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

25000

20000

15000

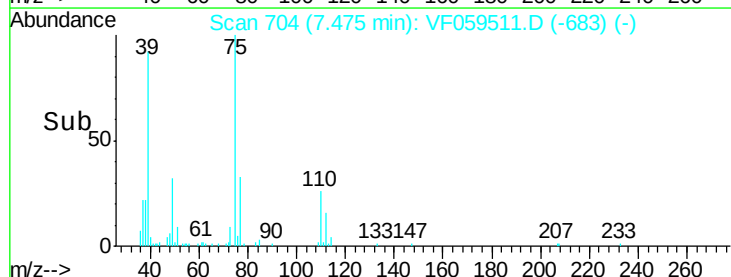
10000

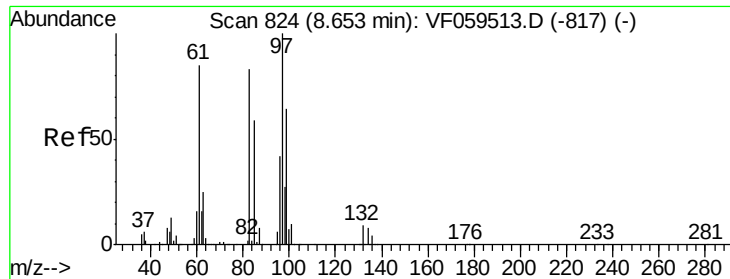
5000

0

7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 10.41 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

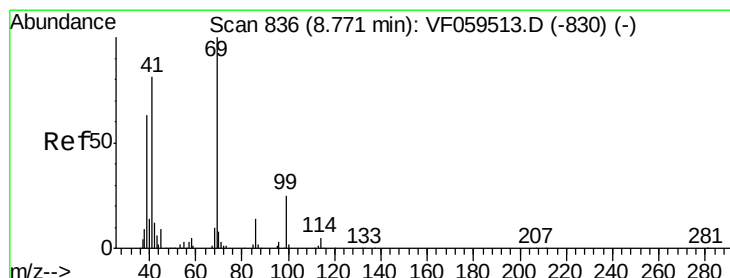
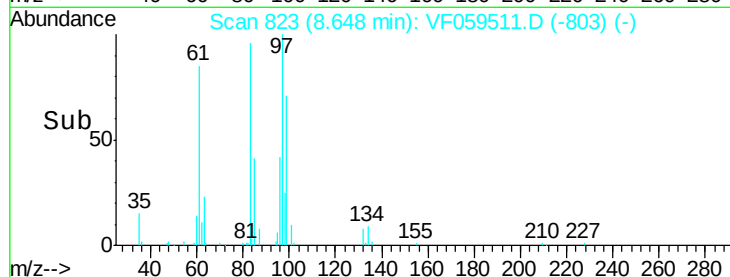
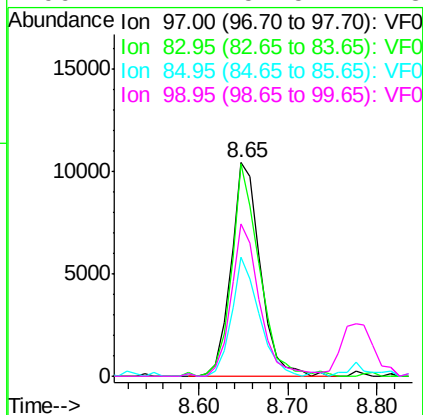
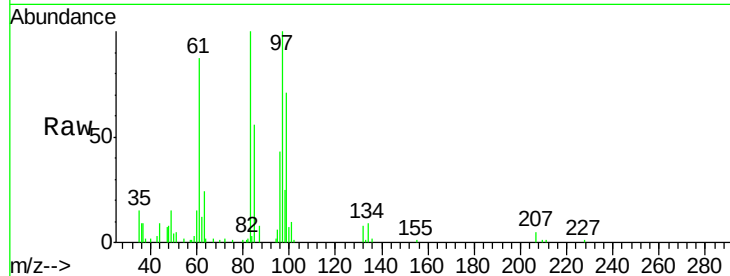
VSTDIC010

Tot Ion:	97	Resp:	23897
Ion	Ratio	Lower	Upper
97	100		
83	99.7	66.9	100.3
85	55.6	46.9	70.3
99	71.1	51.5	77.3

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#56

Ethyl methacrylate

Concen: 10.16 ug/l

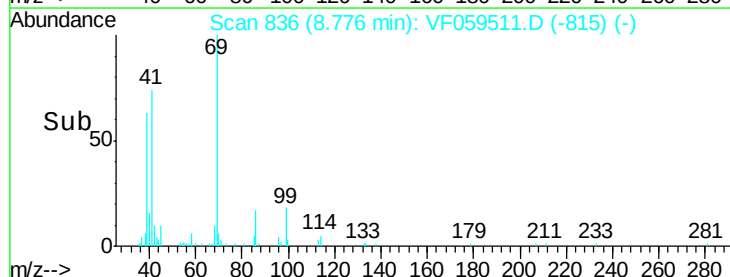
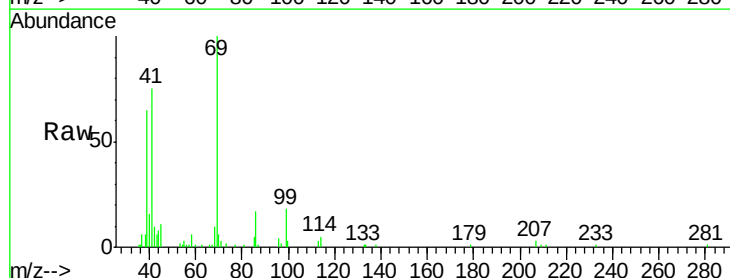
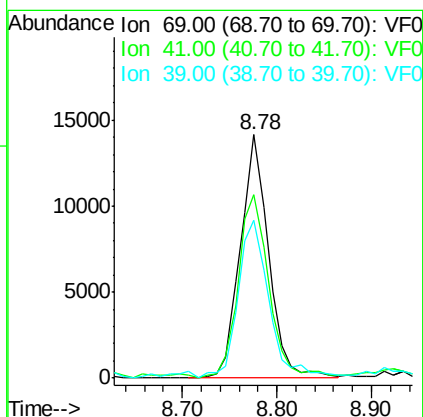
RT: 8.78 min Scan# 836

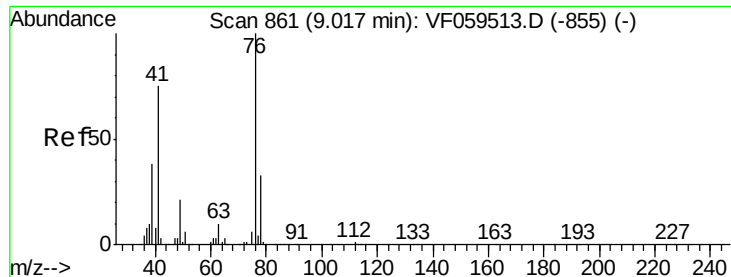
Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	69	Resp:	29372
Ion	Ratio	Lower	Upper
69	100		
41	75.2	65.4	98.2
39	65.0	51.0	76.4





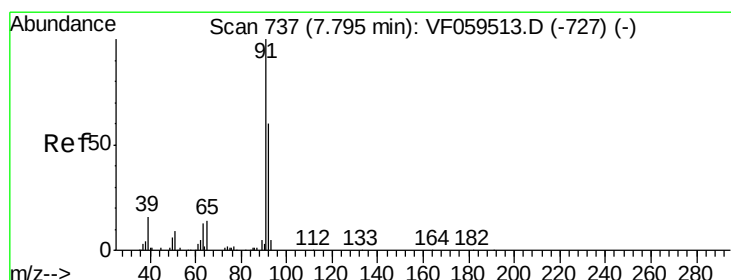
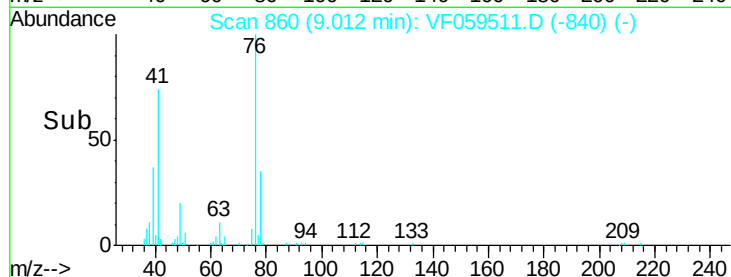
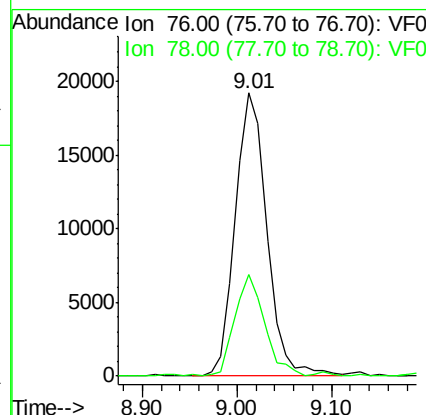
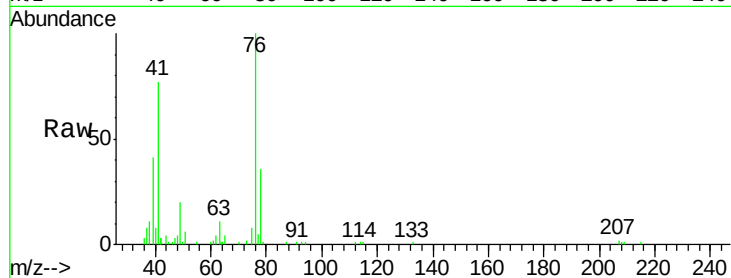
#57
 1,3-Dichloropropane
 Concen: 11.43 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.7	26.4	39.6

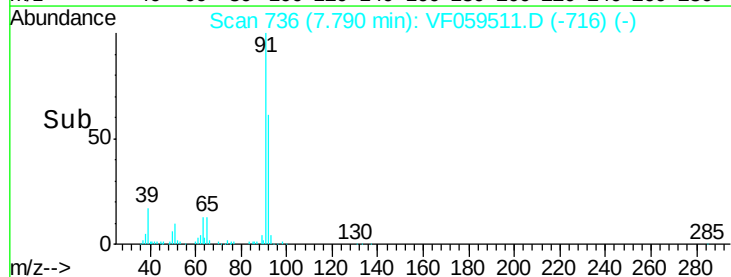
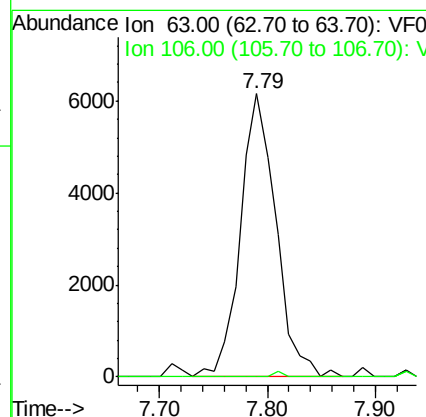
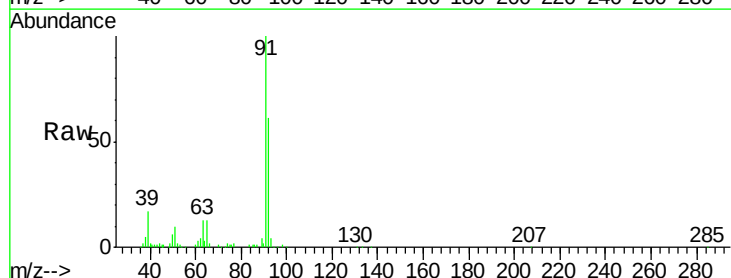
Manual Integrations
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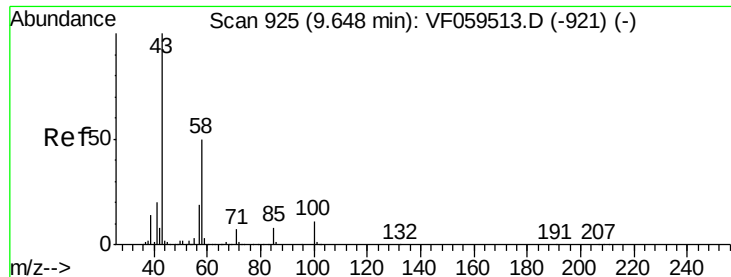
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#58
 2-Chloroethyl Vinyl ether
 Concen: 58.21 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





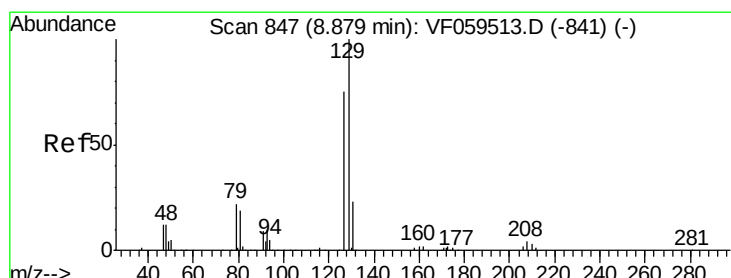
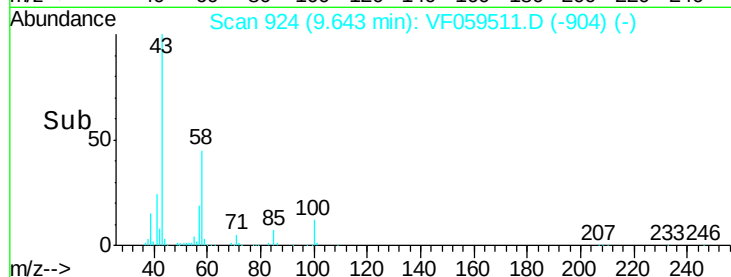
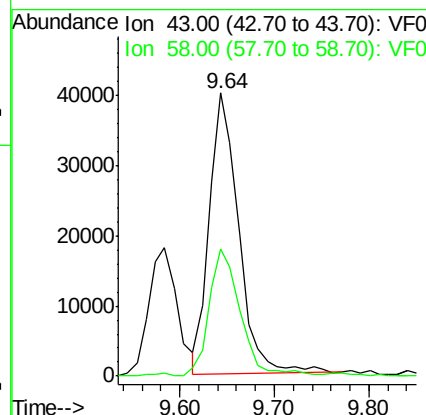
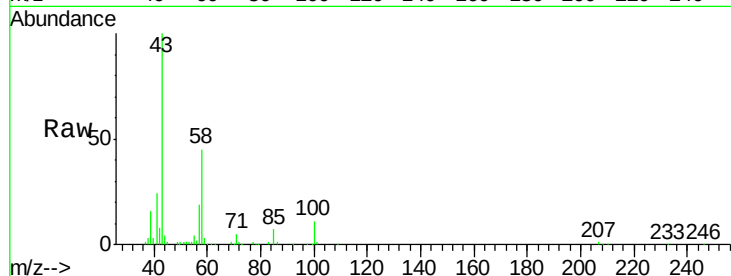
#59
2-Hexanone
Concen: 51.93 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.01 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.1	23.3	69.9

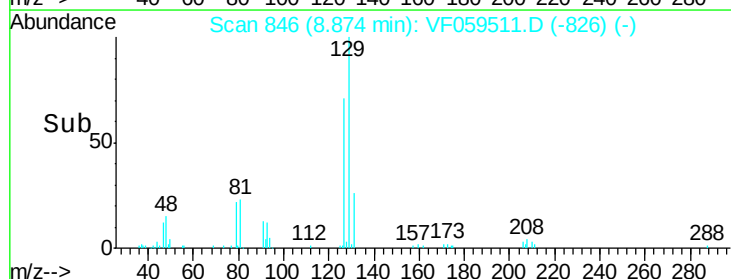
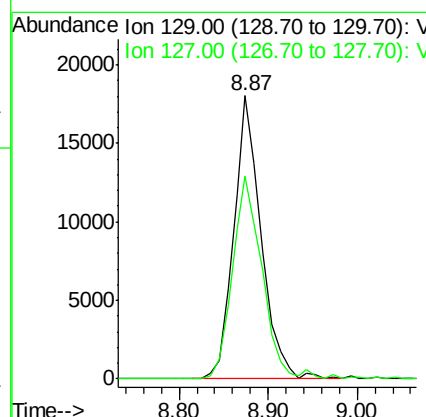
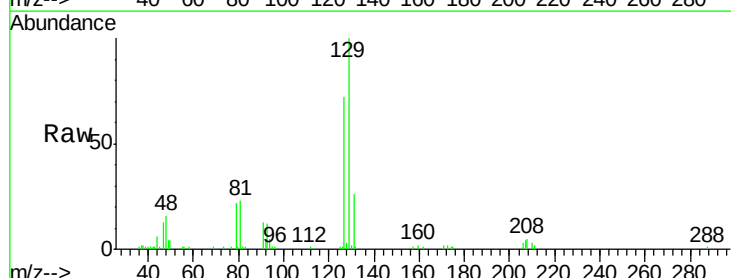
Manual Integrations
APPROVED

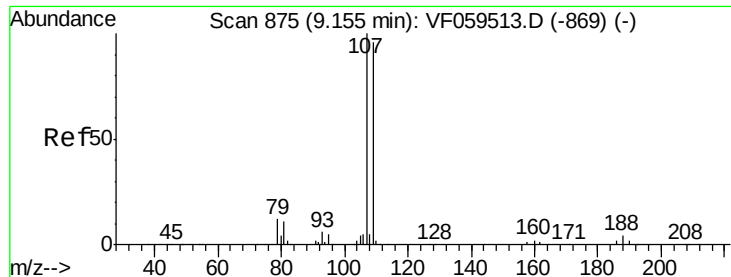
apatel
7/18/2018 3:16:01 PM



#60
Dibromochloromethane
Concen: 10.38 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	37.6	112.8





#61

1,2-Dibromoethane

Concen: 10.32 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 28668

Ion Ratio Lower Upper

107 100

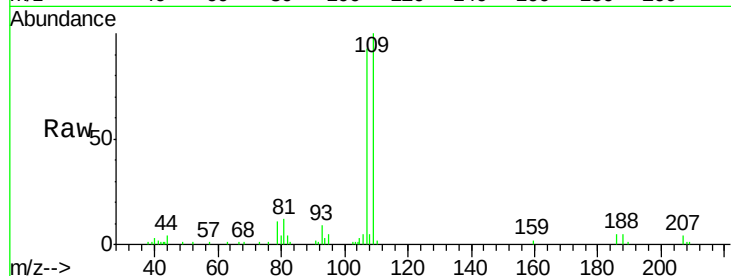
109 107.9 76.5 114.7

Manual Integrations

APPROVED

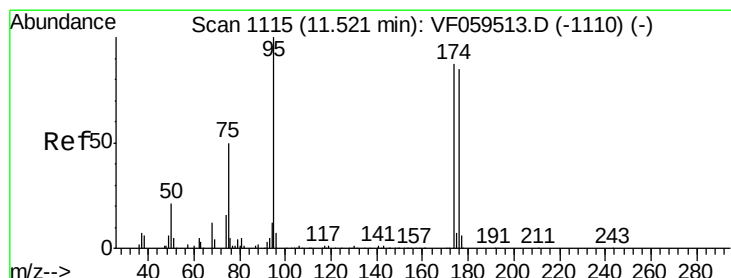
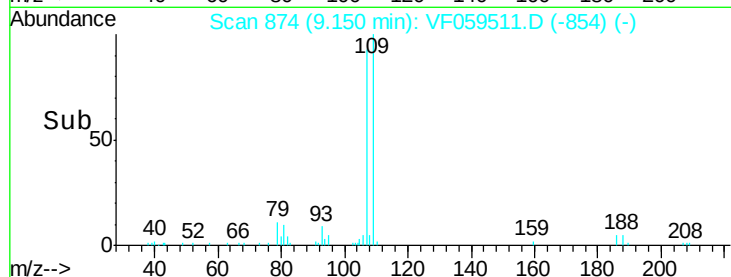
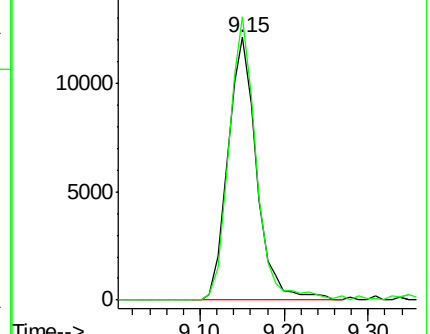
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 11.38 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

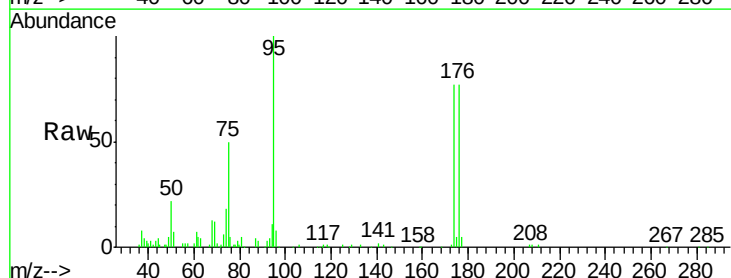
Tgt Ion: 95 Resp: 52625

Ion Ratio Lower Upper

95 100

174 76.8 0.0 174.4

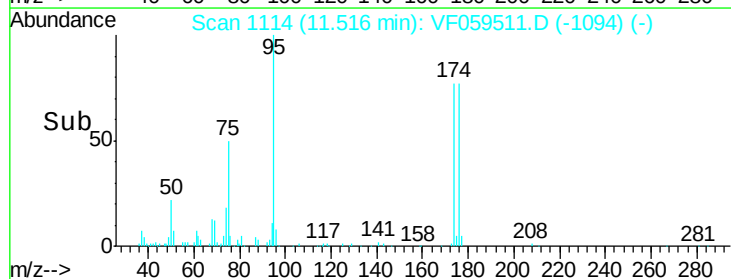
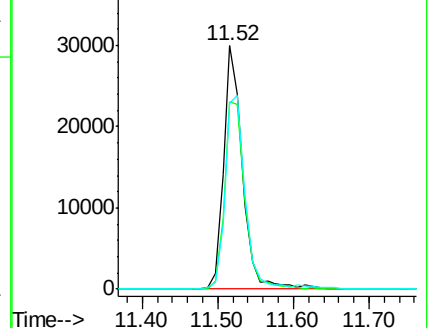
176 76.6 0.0 169.4

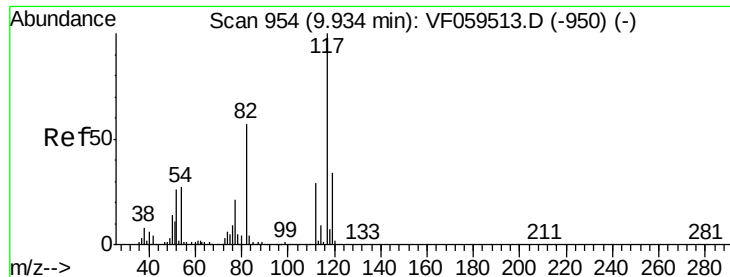


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





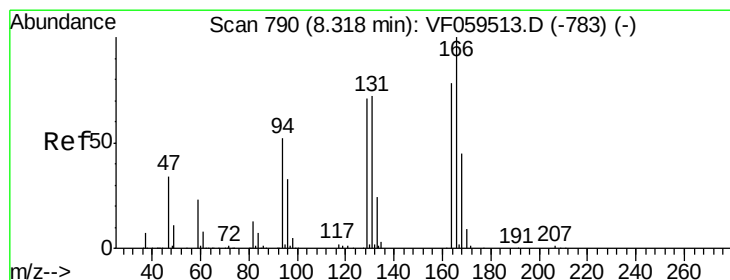
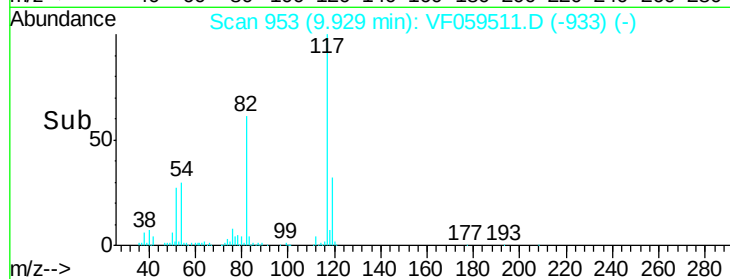
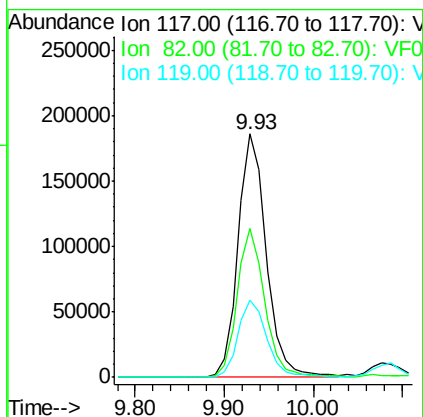
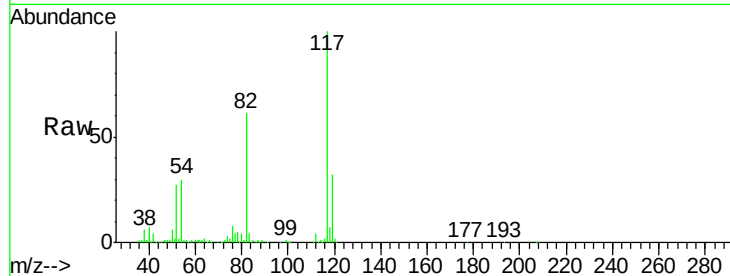
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	46.1	69.1
119	31.8	27.2	40.8

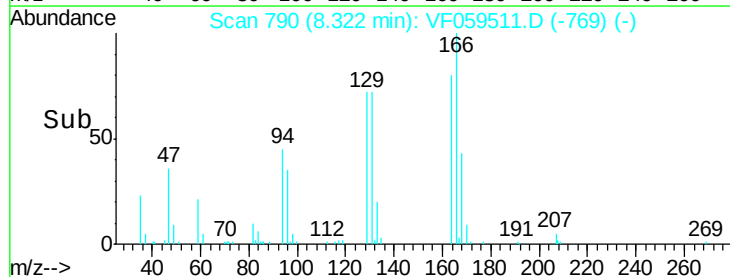
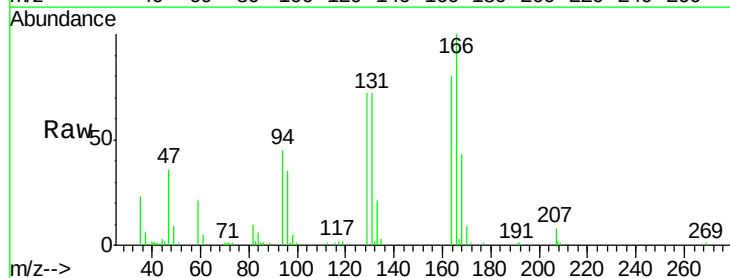
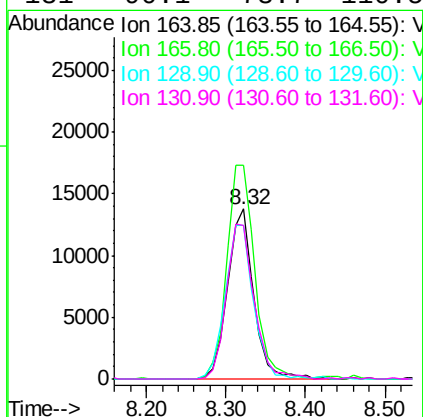
Manual Integrations
APPROVED

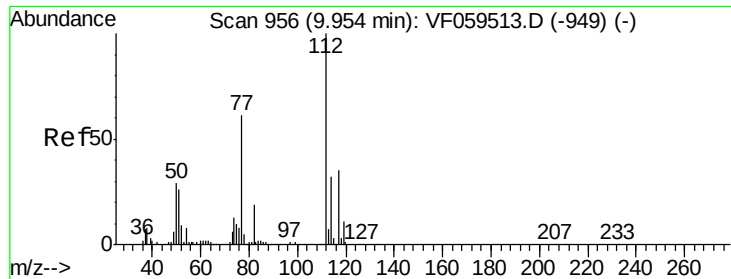
apatel
7/18/2018 3:16:01 PM



#64
Tetrachloroethene
Concen: 9.74 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.3	153.5
129	90.1	72.4	108.6
131	90.1	73.7	110.5





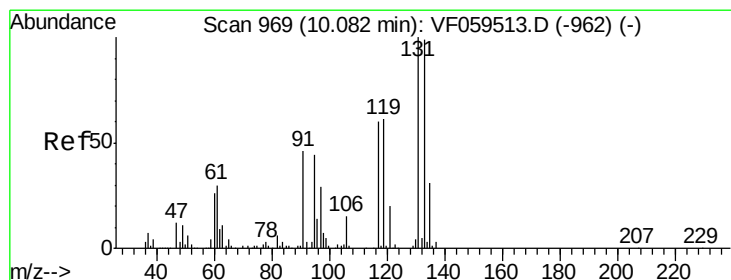
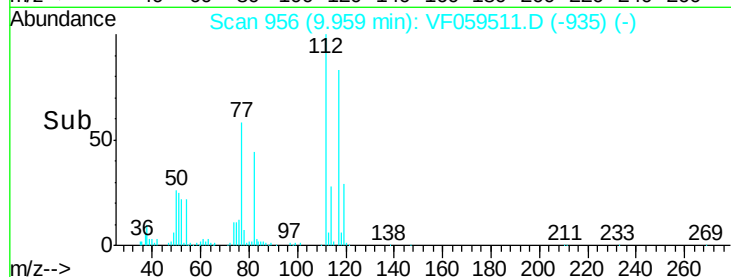
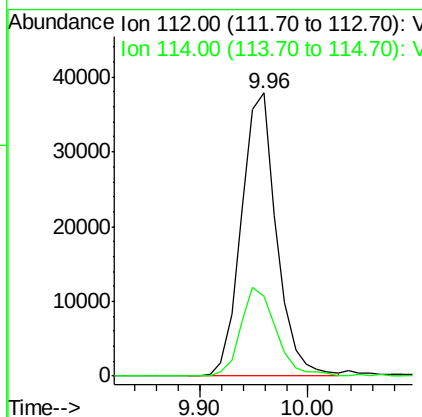
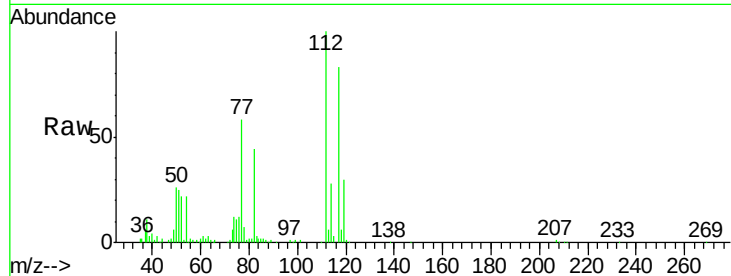
#65
Chlorobenzene
Concen: 11.07 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.0	25.4	38.2

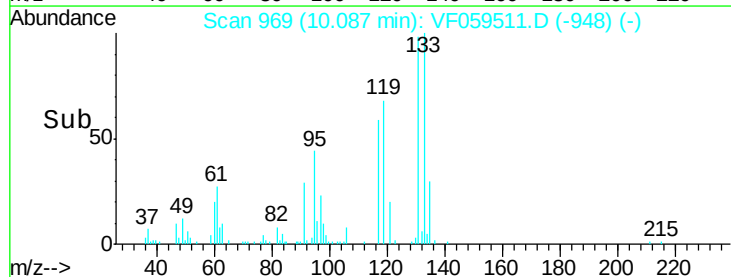
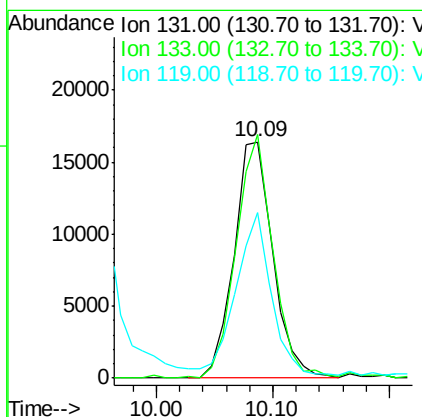
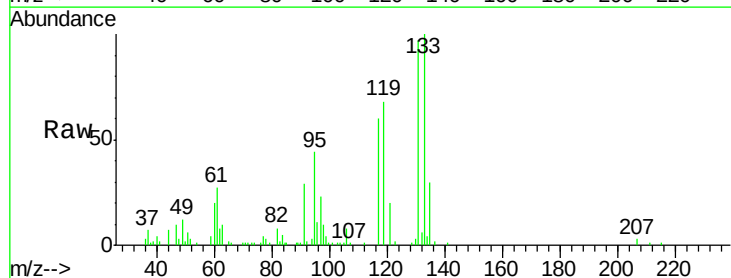
Manual Integrations
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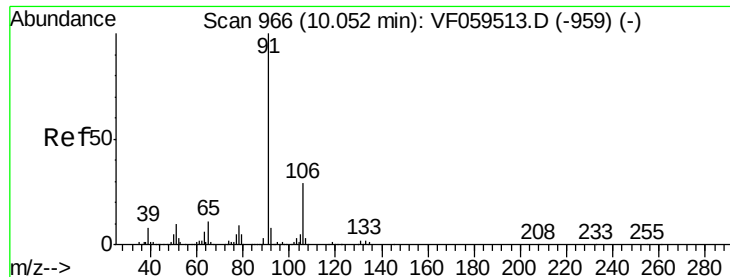
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.83 ug/l
RT: 10.09 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	103.1	49.6	148.8
119	70.0	31.4	94.3





#67

Ethyl Benzene

Concen: 10.94 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 150788

Ion Ratio Lower Upper

91 100

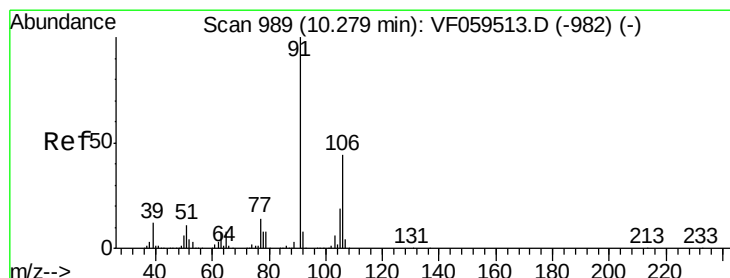
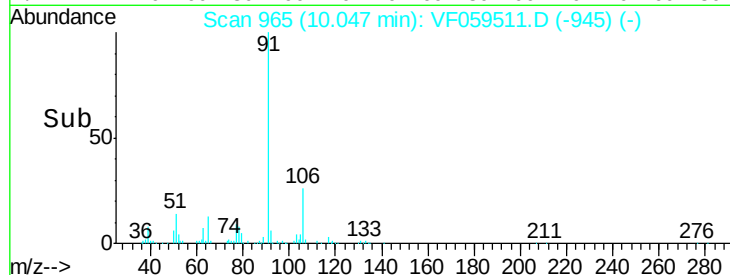
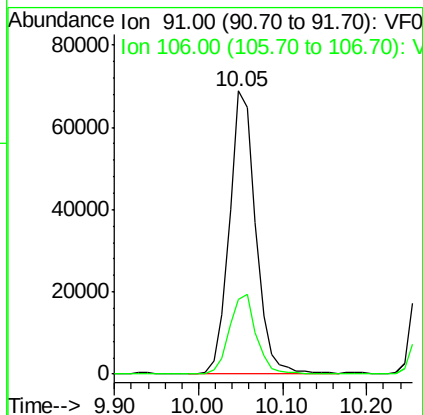
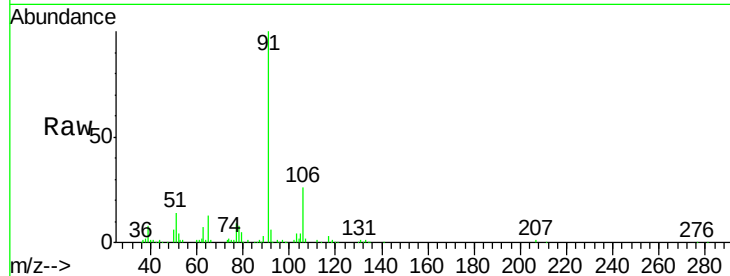
106 26.4 23.4 35.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 21.64 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059511.D

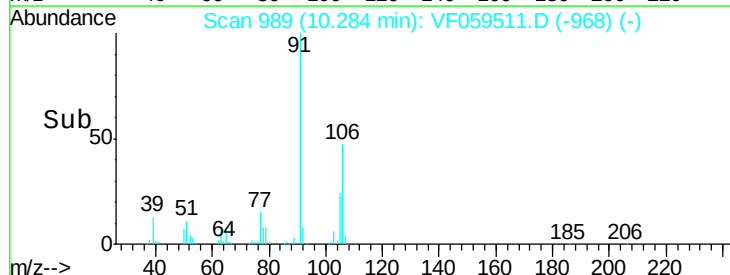
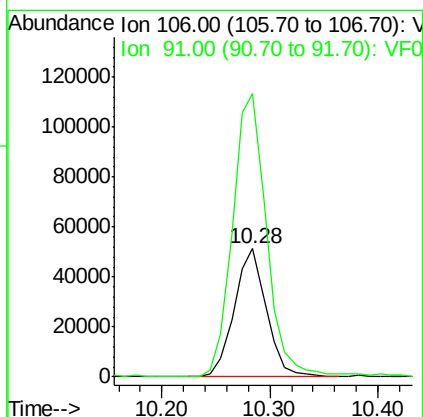
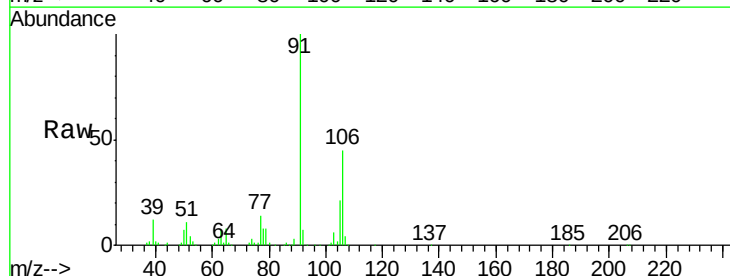
Acq: 17 Jul 2018 17:06

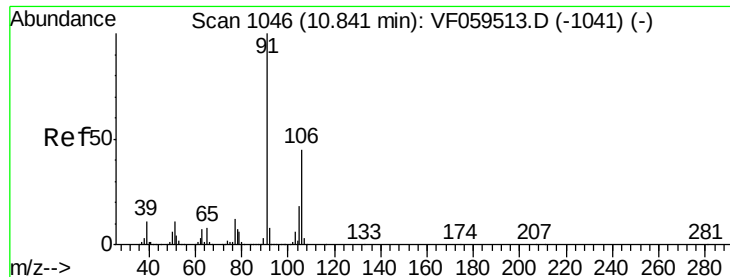
Tgt Ion: 106 Resp: 106831

Ion Ratio Lower Upper

106 100

91 221.3 181.0 271.4





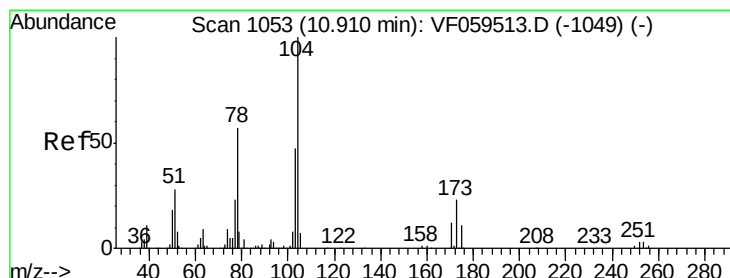
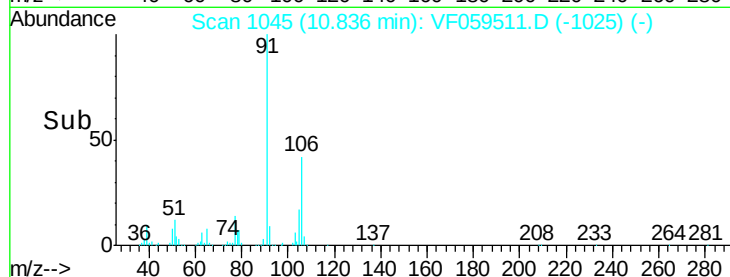
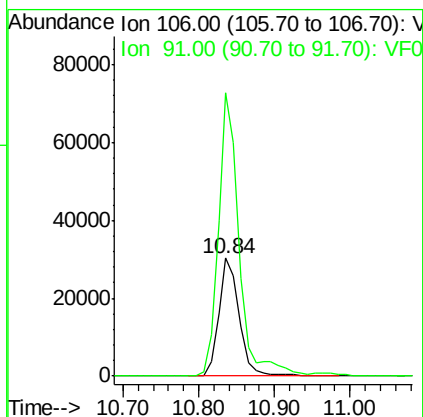
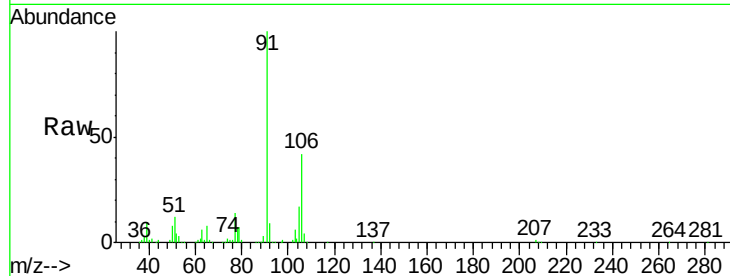
#69
o-Xylene
Concen: 11.15 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	240.4	112.3	336.9

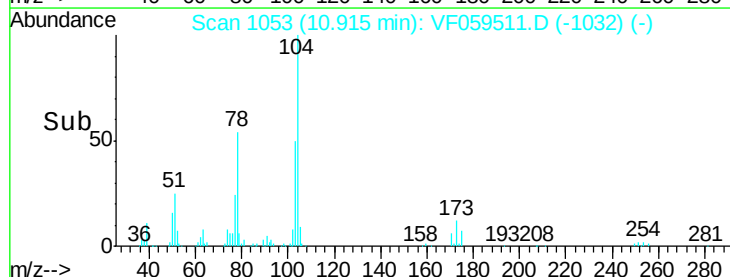
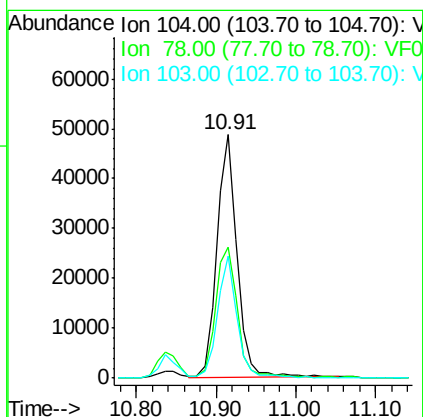
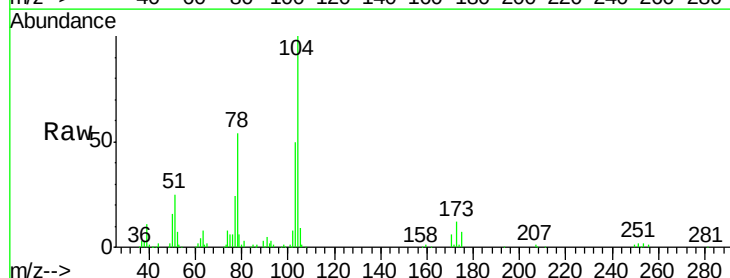
Manual Integrations
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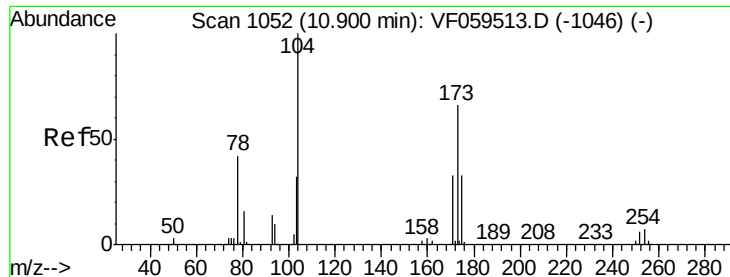
apatel
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#70
Styrene
Concen: 10.75 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	45.7	68.5
103	50.4	38.1	57.1





#71

Bromoform

Concen: 9.98 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

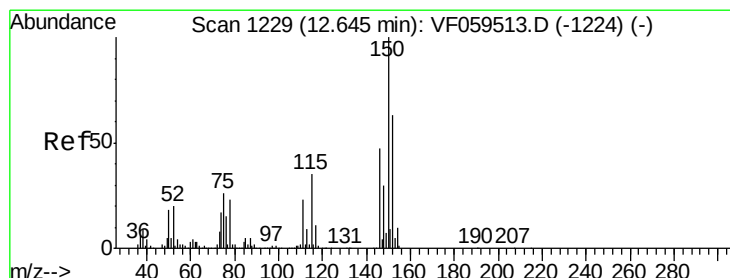
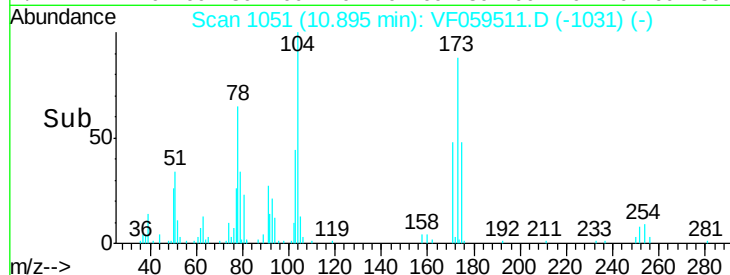
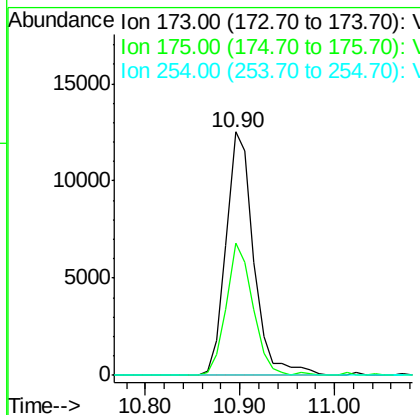
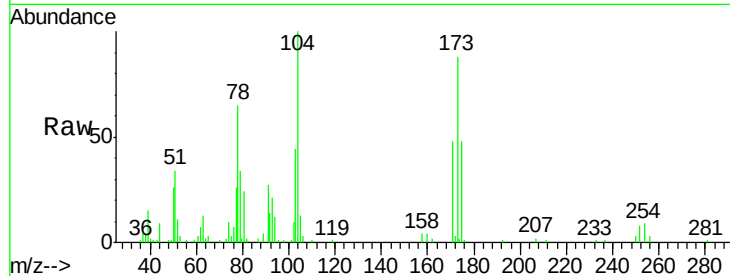
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.0	25.3	75.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

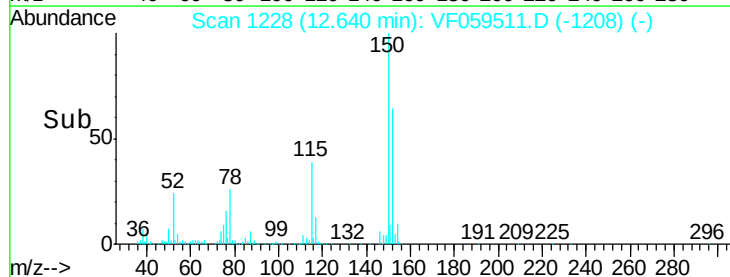
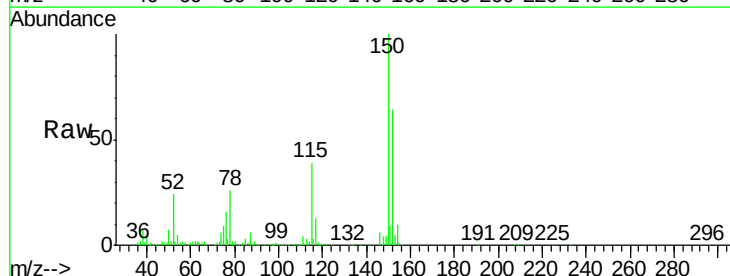
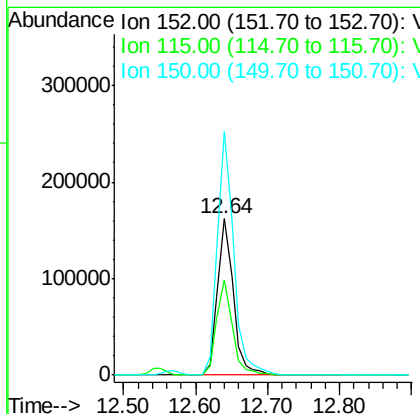
RT: 12.64 min Scan# 1228

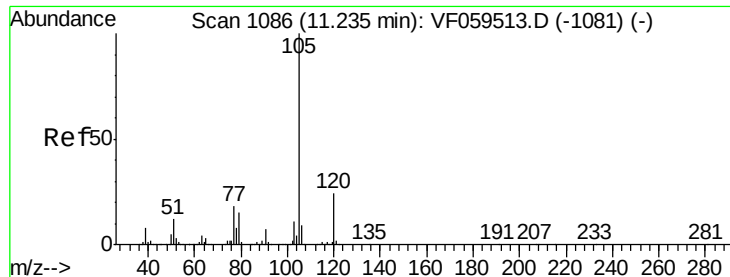
Delta R.T. -0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	27.8	83.3
150	155.8	0.0	318.4





#73

Isopropylbenzene

Concen: 10.92 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 170527

Ion Ratio Lower Upper

105 100

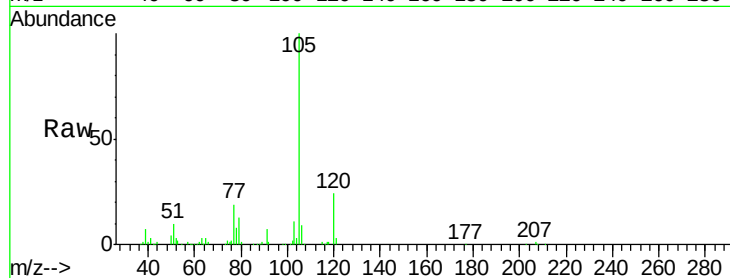
120 24.2 12.0 36.0

Manual Integrations

APPROVED

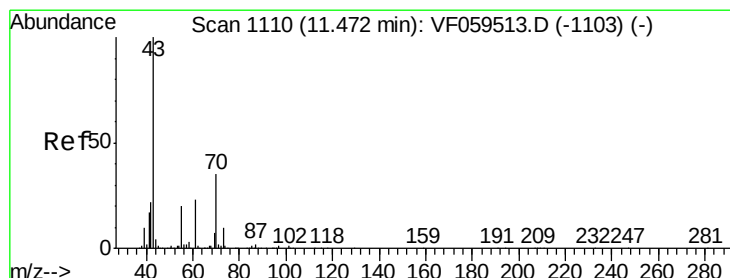
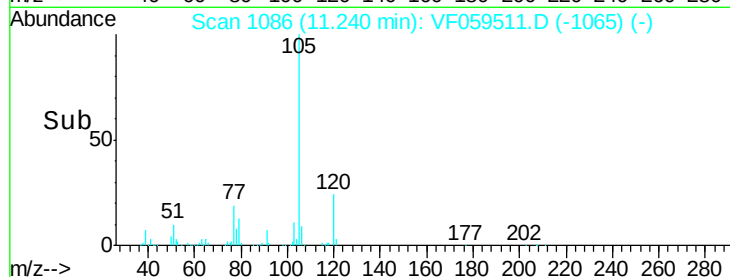
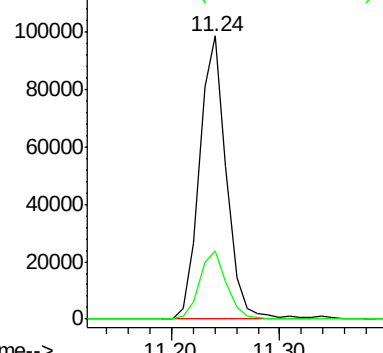
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.79 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion: 43 Resp: 54259

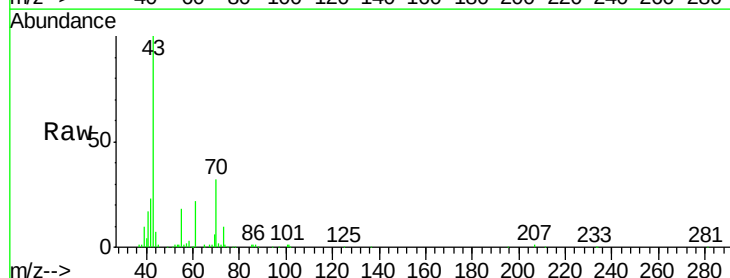
Ion Ratio Lower Upper

43 100

70 31.6 27.9 41.9

55 18.4 16.2 24.2

61 22.1 18.6 27.8

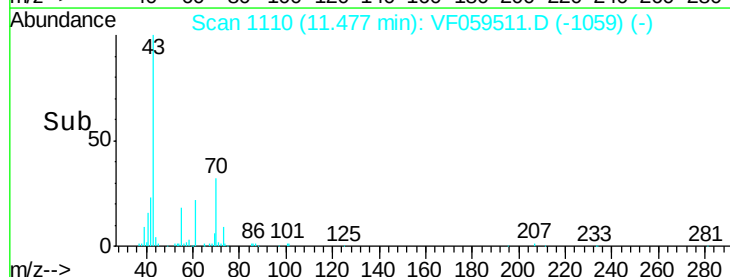
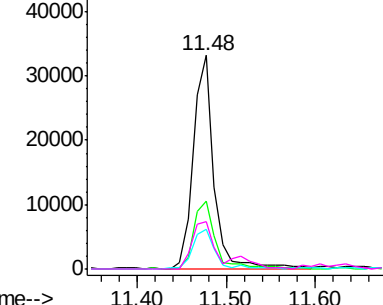


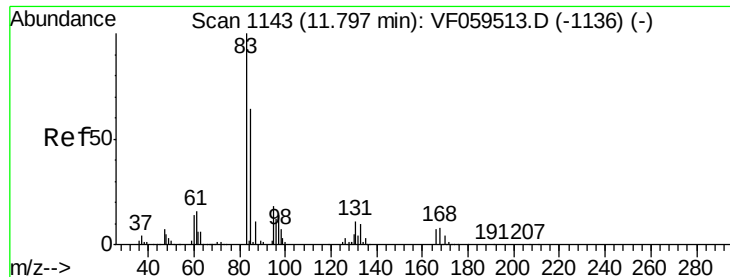
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.02 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

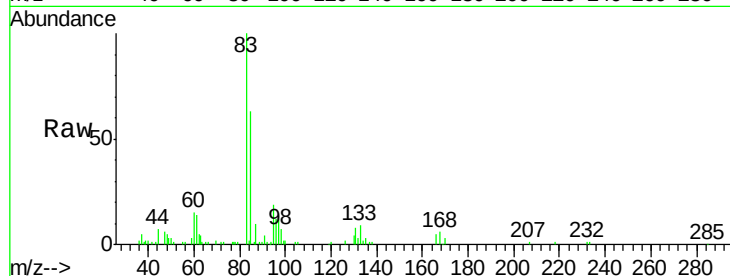
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	37733
Ion Ratio	Lower	Upper	
83	100		
131	8.4	5.7	17.1
85	63.3	31.9	95.9

Manual Integrations
APPROVED

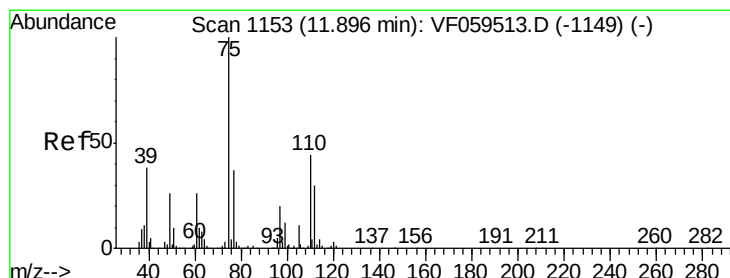
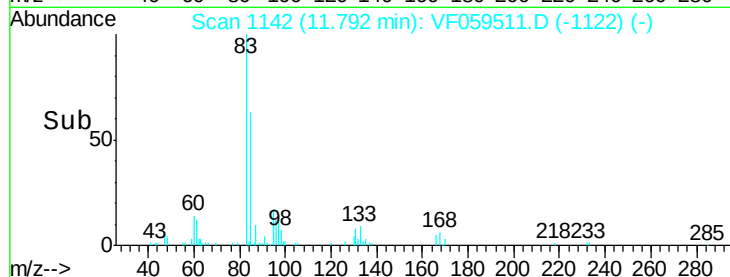
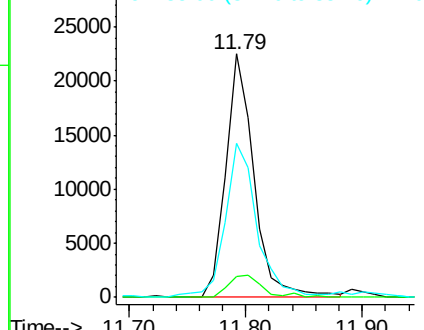
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Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 10.66 ug/l

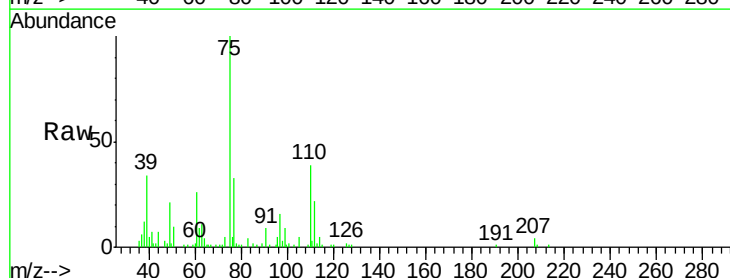
RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059511.D

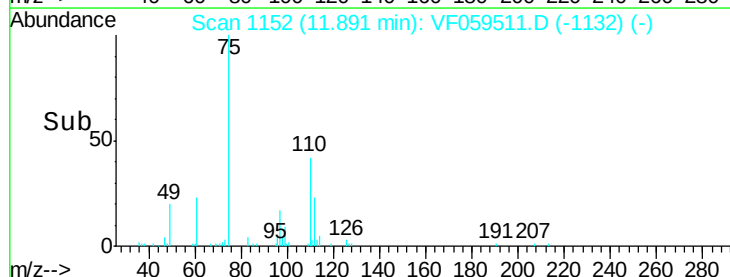
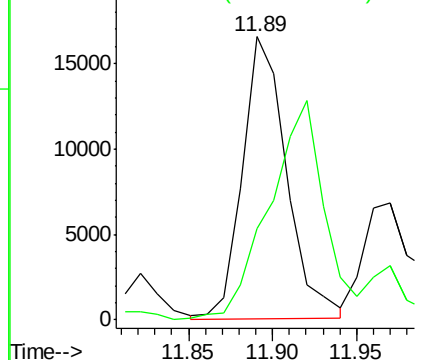
Acq: 17 Jul 2018 17:06

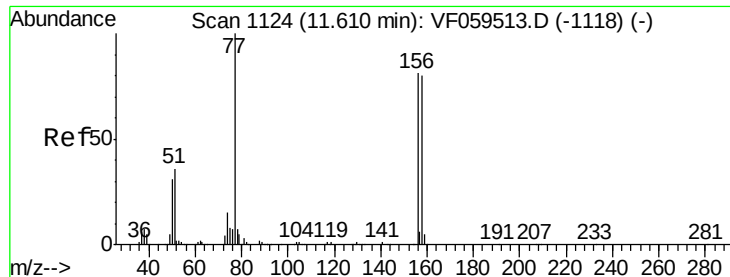
Tgt Ion:	75	Resp:	30107
Ion Ratio	Lower	Upper	
75	100		
77	32.5	18.7	56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 10.84 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

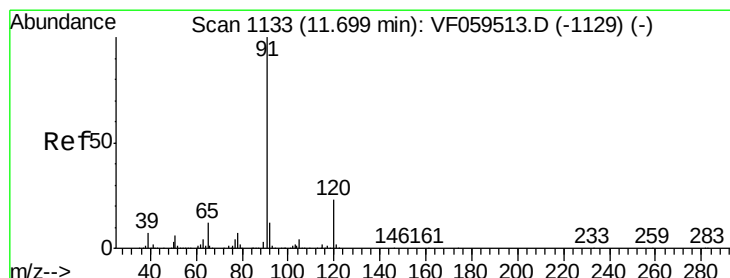
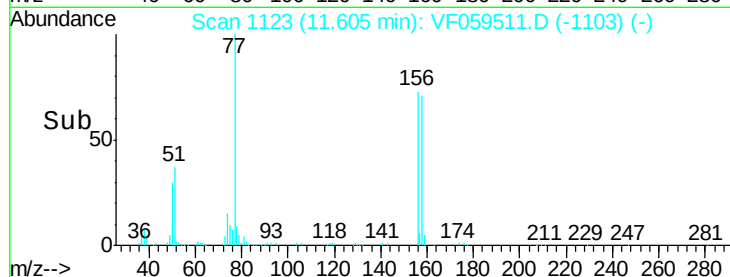
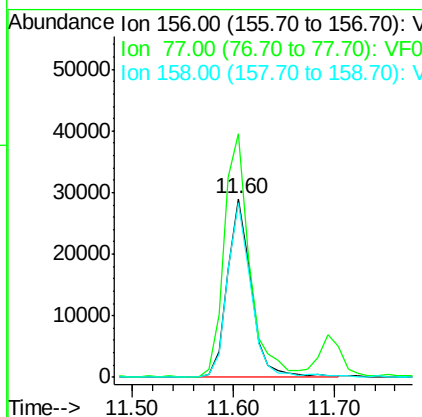
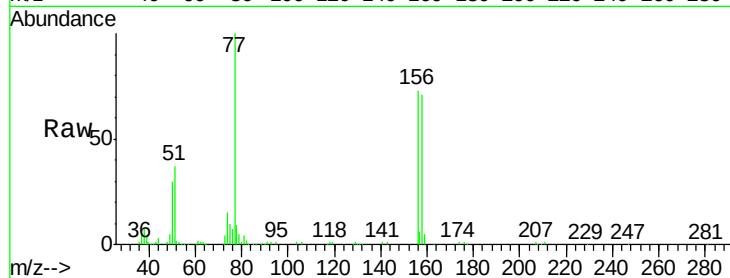
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.2	62.0	186.0
158	97.4	49.8	149.3

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#78

n-propylbenzene

Concen: 11.17 ug/l

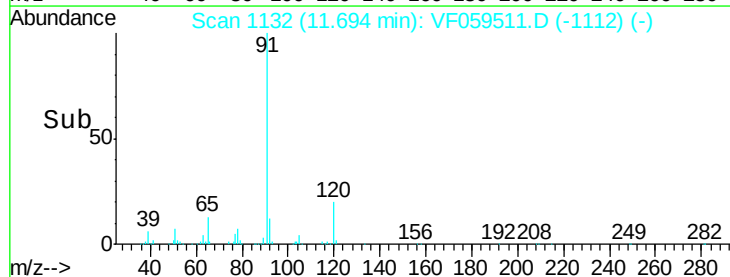
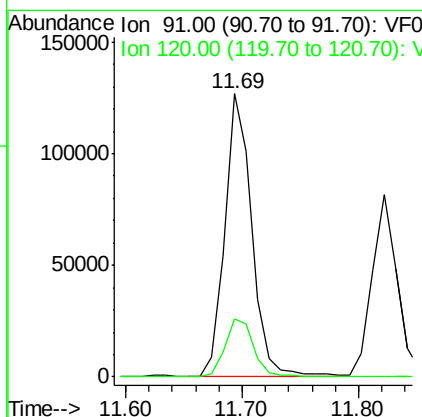
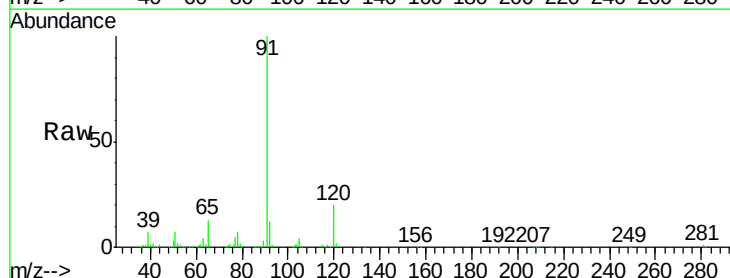
RT: 11.69 min Scan# 1132

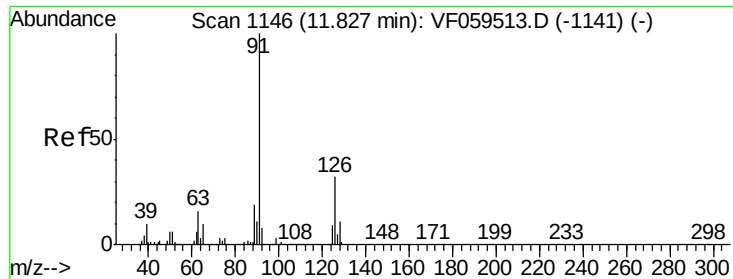
Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	11.3	33.9





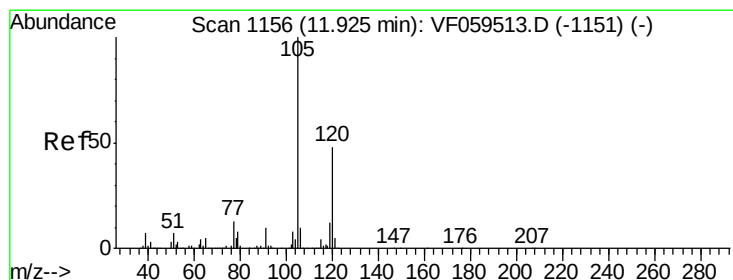
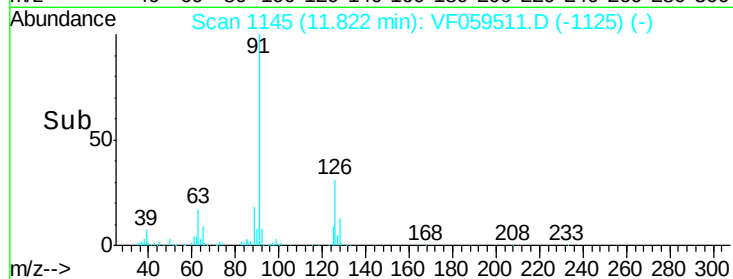
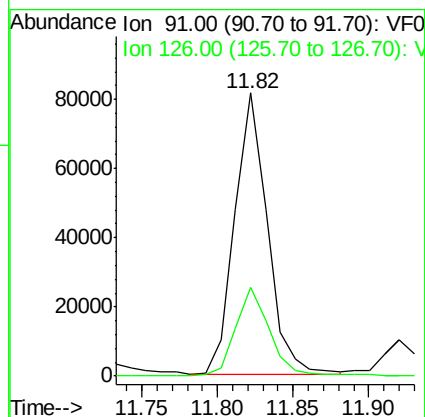
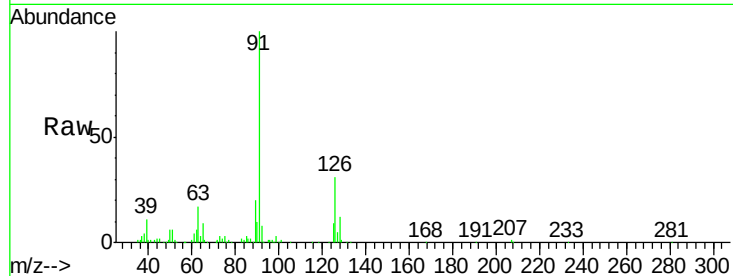
#79
 2-Chlorotoluene
 Concen: 11.17 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

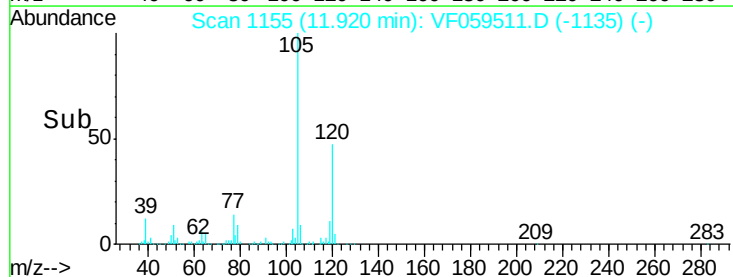
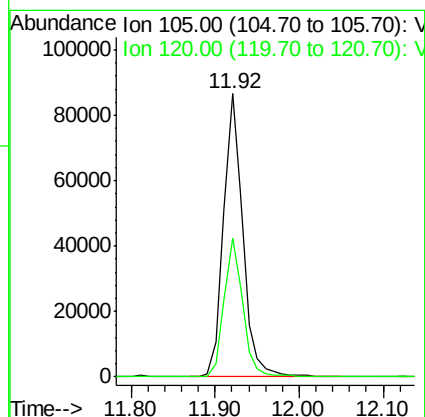
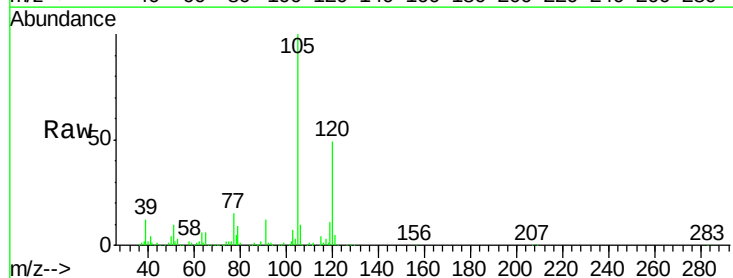
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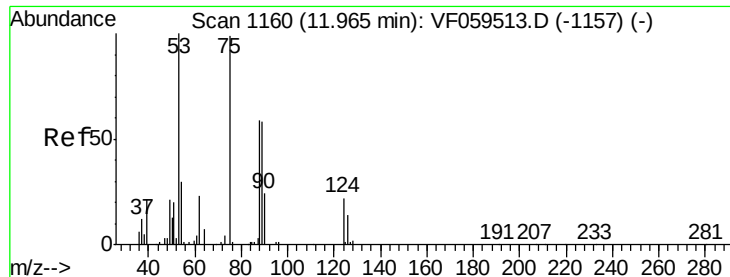
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#80
 1,3,5-Trimethylbenzene
 Concen: 10.30 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 10.06 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

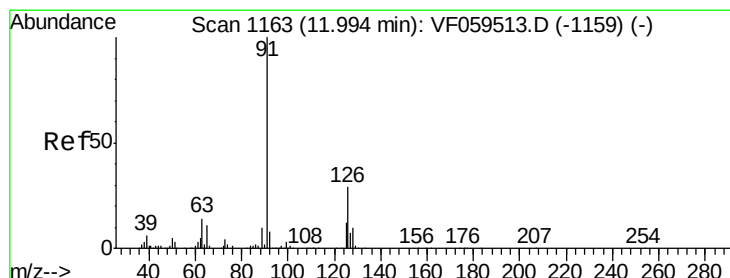
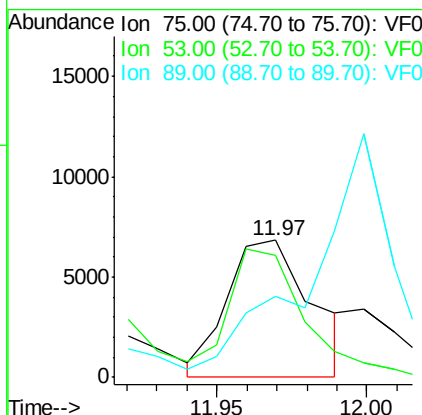
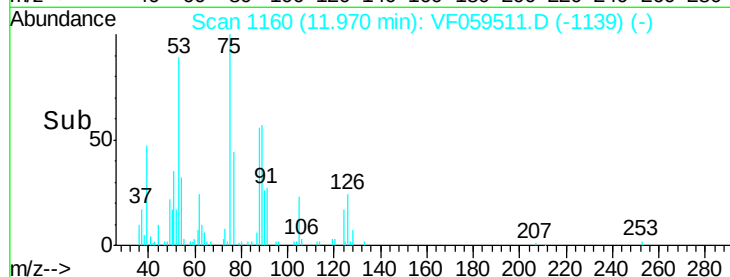
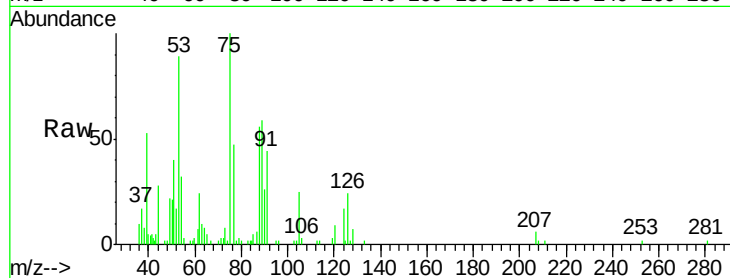
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	13467
Ion	Ratio	Lower	Upper
75	100		
53	89.0	84.6	127.0
89	59.2	48.2	72.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.60 ug/l

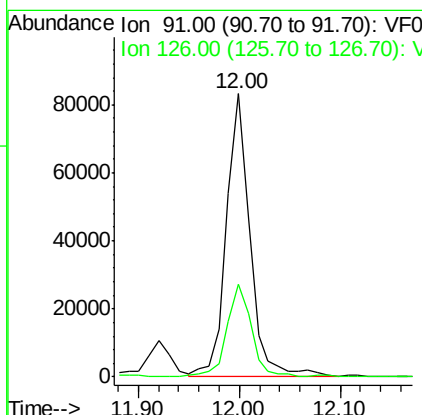
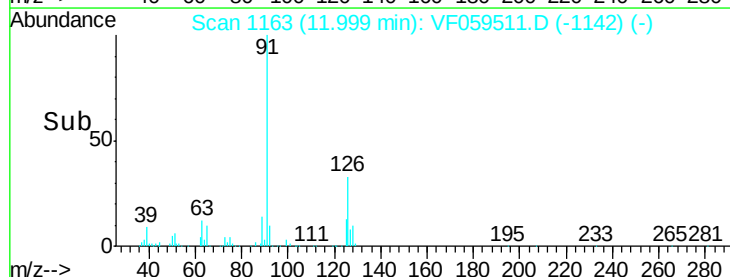
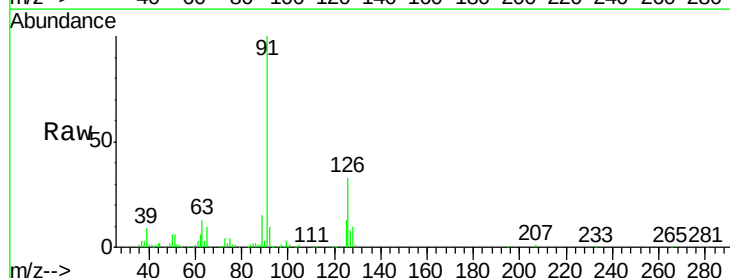
RT: 12.00 min Scan# 1163

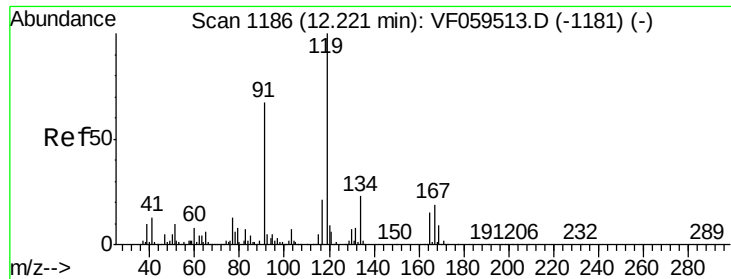
Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	91	Resp:	134184
Ion	Ratio	Lower	Upper
91	100		
126	32.8	14.4	43.4





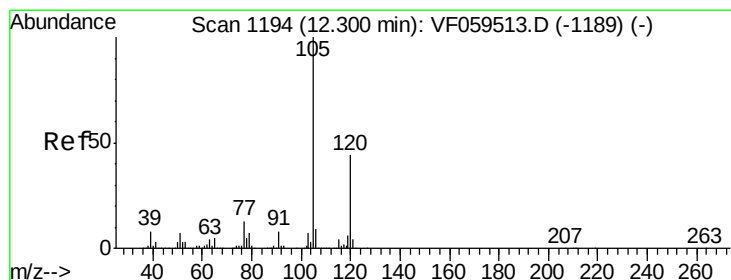
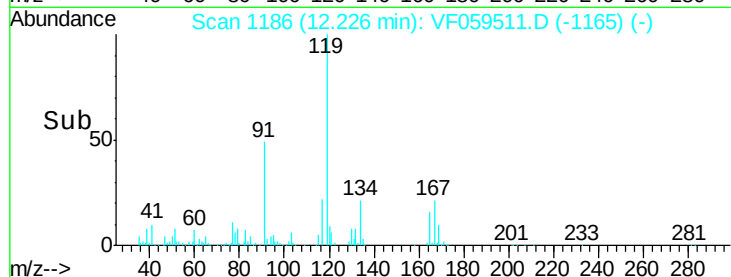
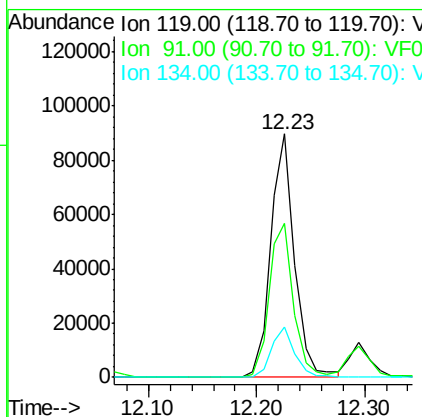
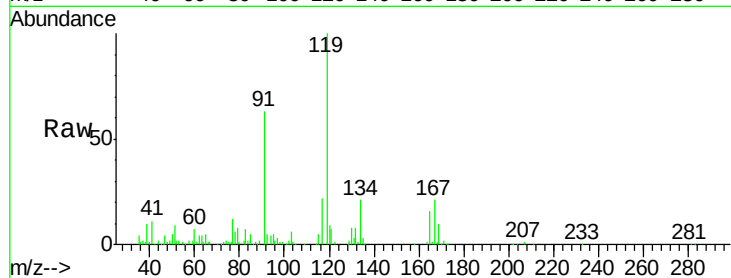
#83
 tert-Butylbenzene
 Concen: 11.06 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	33.5	100.5
134	20.6	11.3	33.8

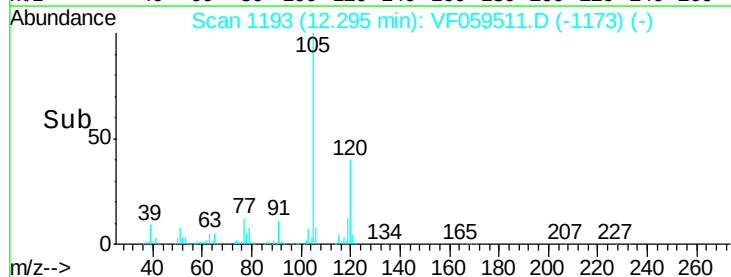
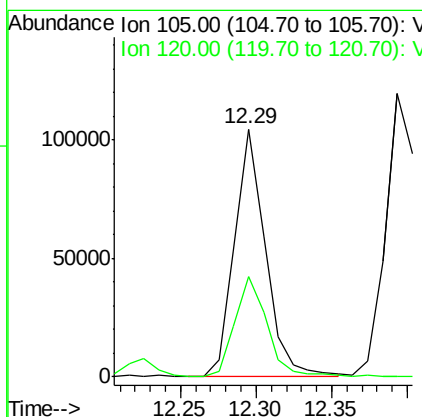
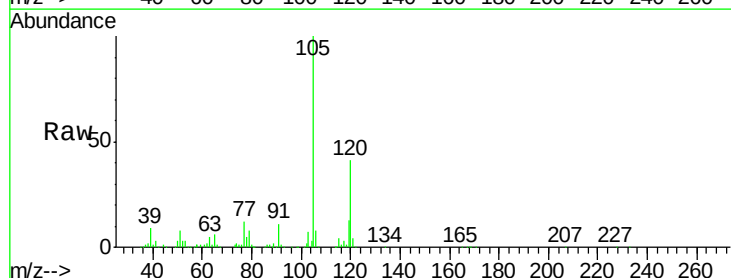
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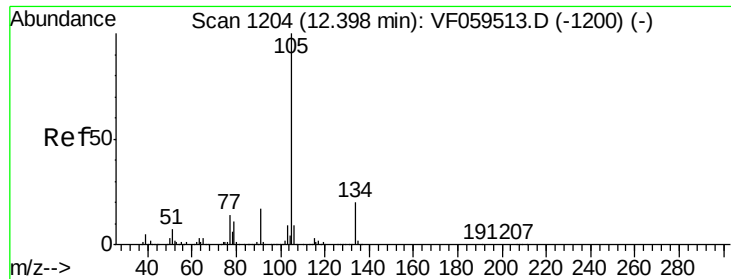
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#84
 1,2,4-Trimethylbenzene
 Concen: 11.12 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.5	22.5	67.5





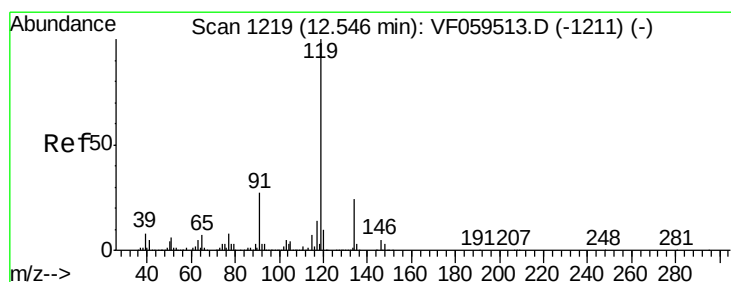
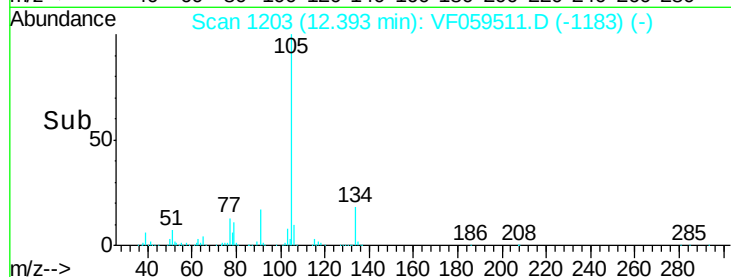
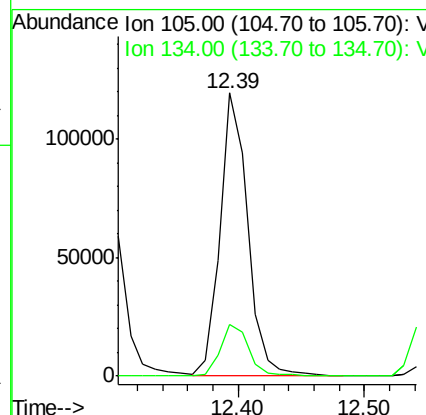
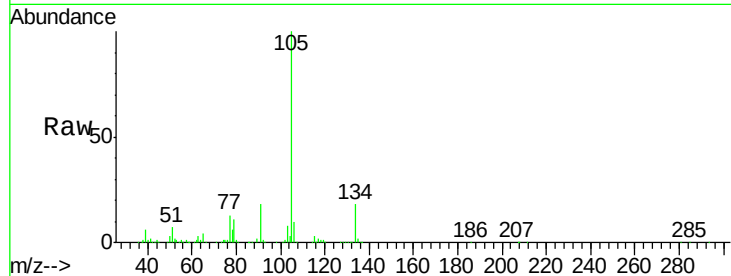
#85
 sec-Butylbenzene
 Concen: 11.45 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	181655		
134	18.1	10.1	30.1	

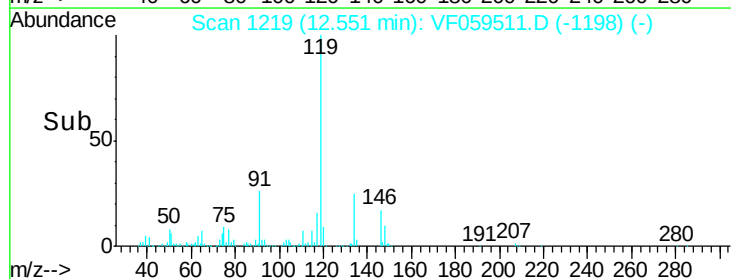
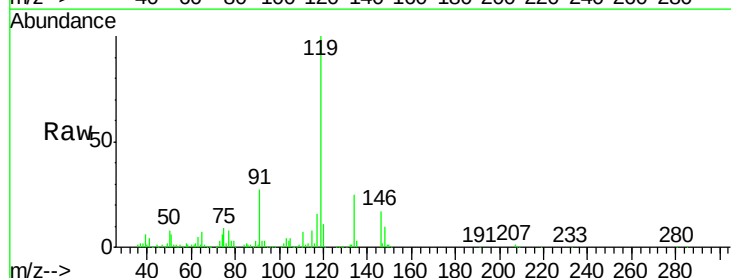
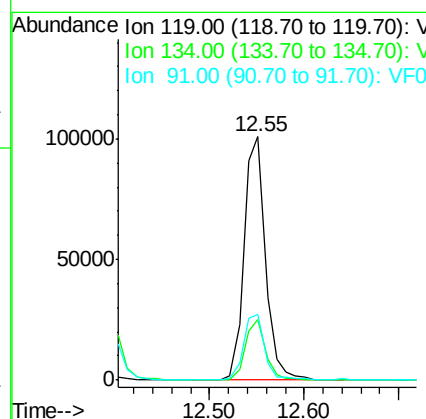
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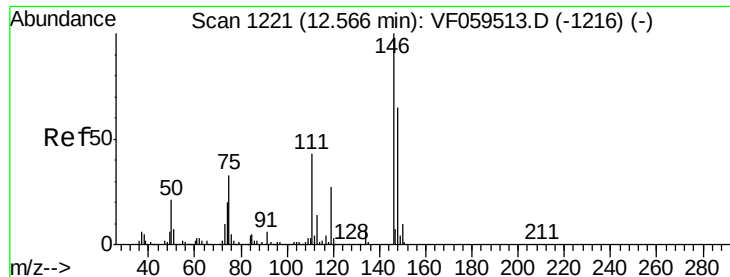
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#86
 p-Isopropyltoluene
 Concen: 11.25 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	157893		
134	25.0	12.0	36.0	
91	26.9	13.5	40.4	





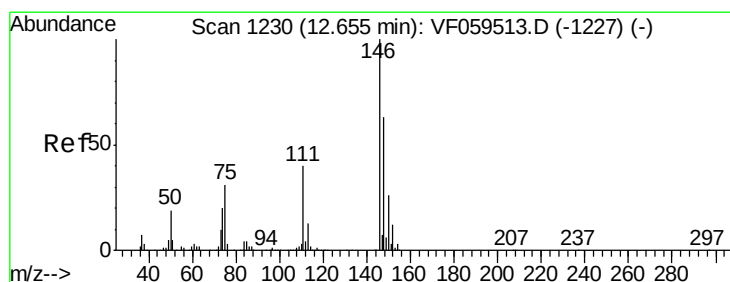
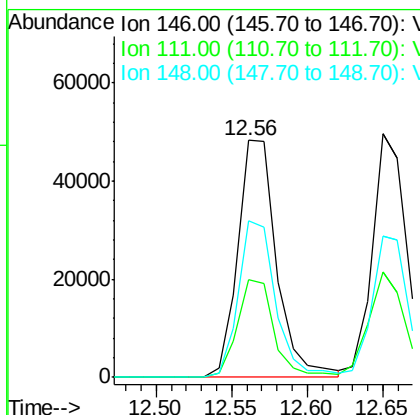
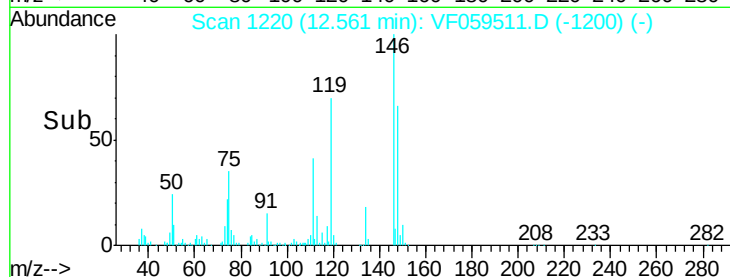
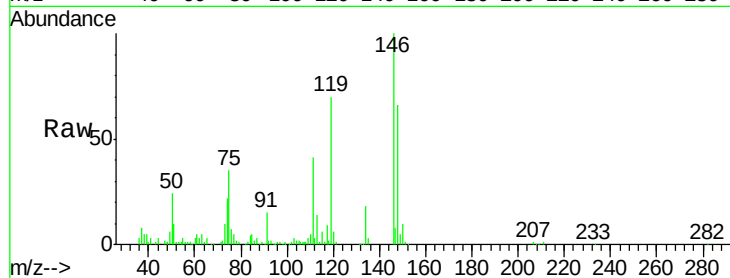
#87
 1,3-Dichlorobenzene
 Concen: 11.47 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.4	64.3
148	66.4	32.7	98.1

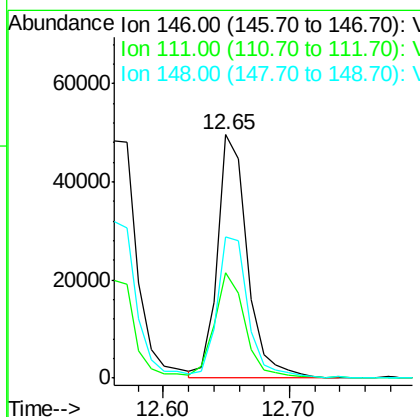
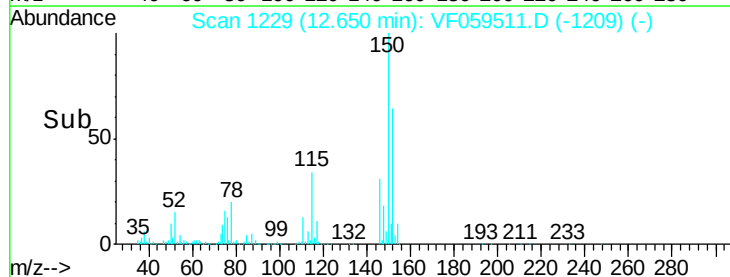
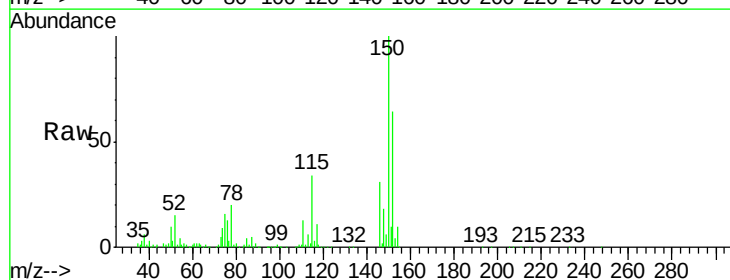
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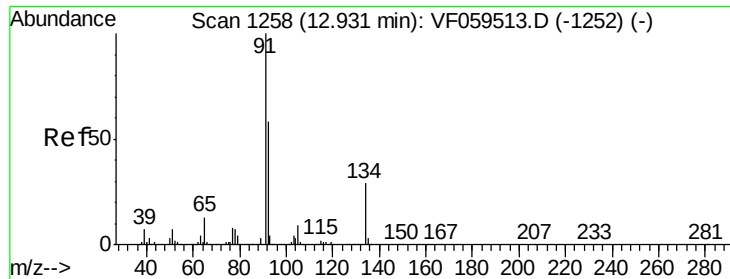
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#88
 1,4-Dichlorobenzene
 Concen: 11.17 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.0	59.9
148	58.1	31.5	94.5





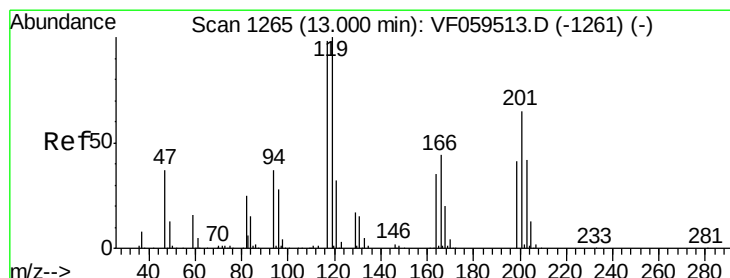
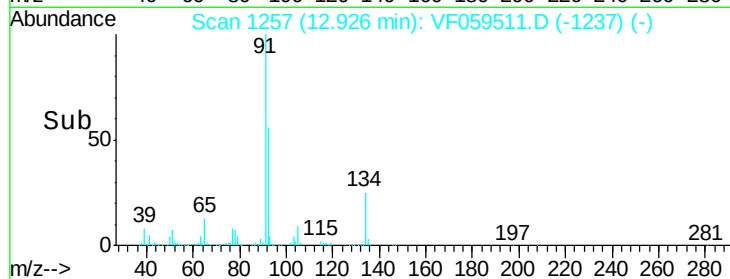
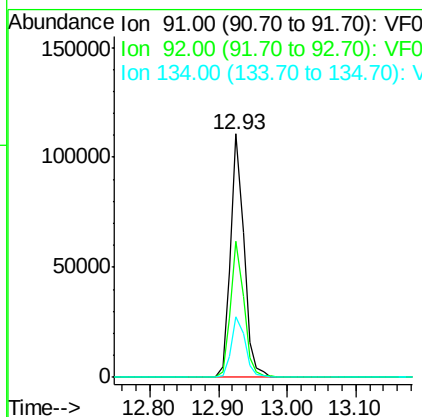
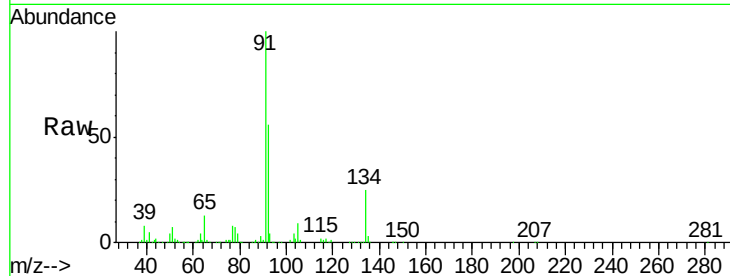
#89
n-Butylbenzene
Concen: 11.70 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	29.1	87.3
134	25.1	14.3	42.9

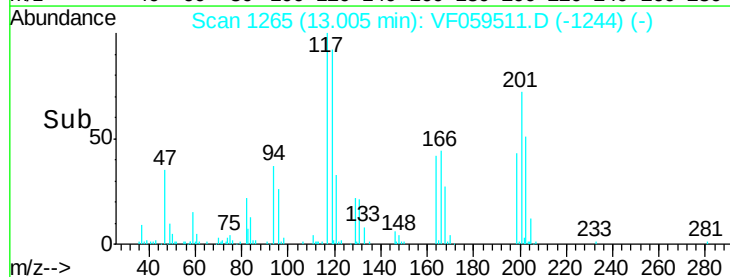
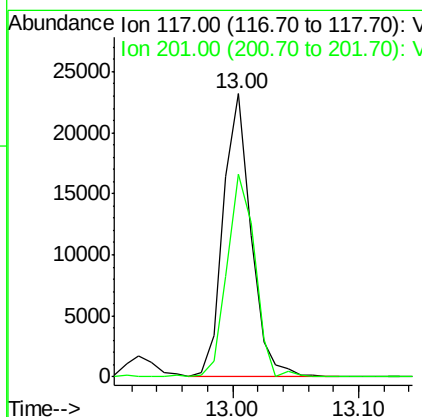
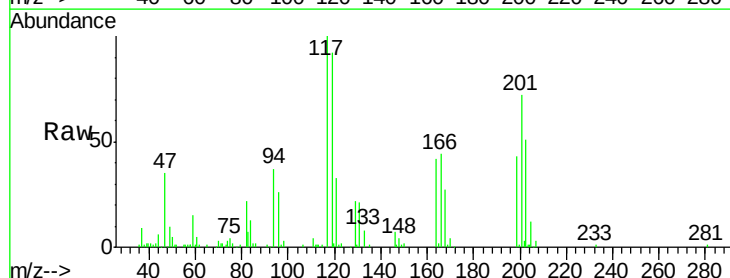
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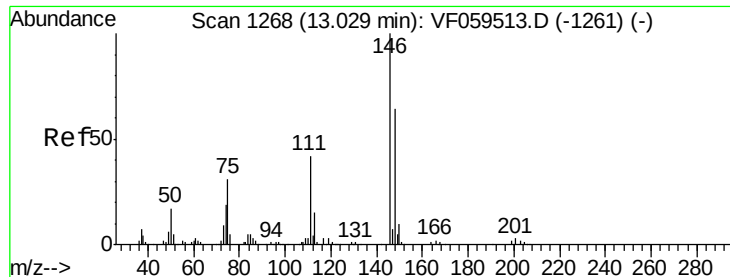
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#90
Hexachloroethane
Concen: 11.18 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	32.6	98.0





#91

1,2-Dichlorobenzene

Concen: 11.54 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Instrument :

MSVOA_F

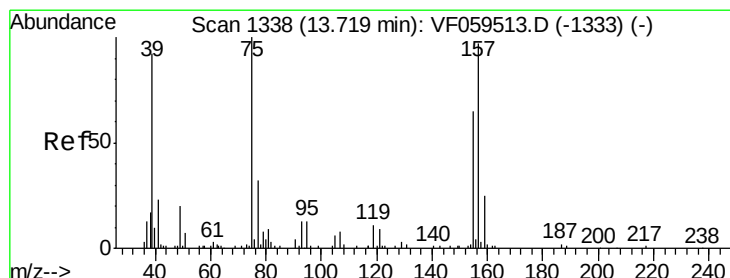
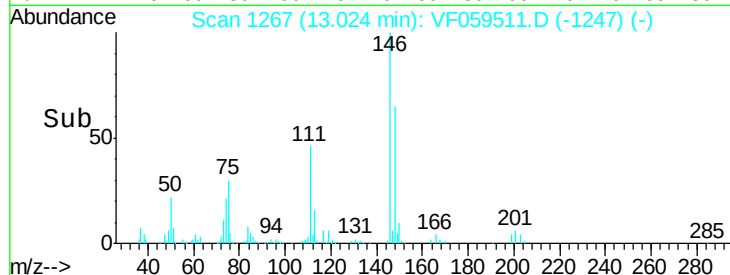
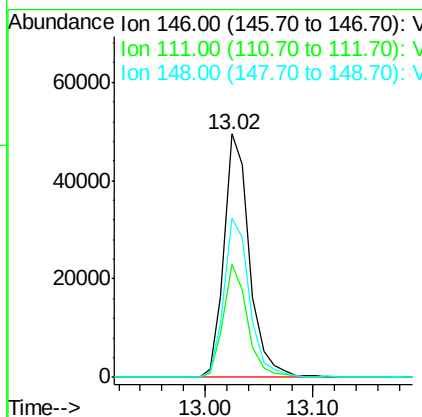
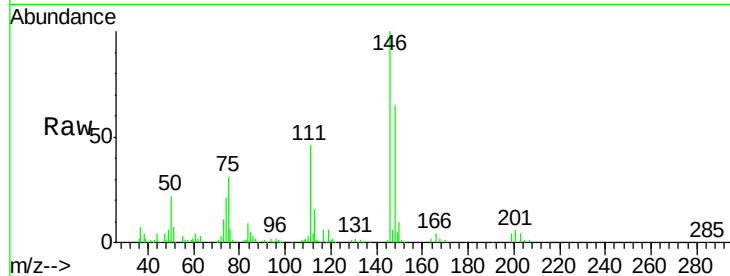
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	81055
Ion Ratio	Lower	Upper	
146	100		
111	46.3	21.1	63.1
148	65.5	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 10.73 ug/l

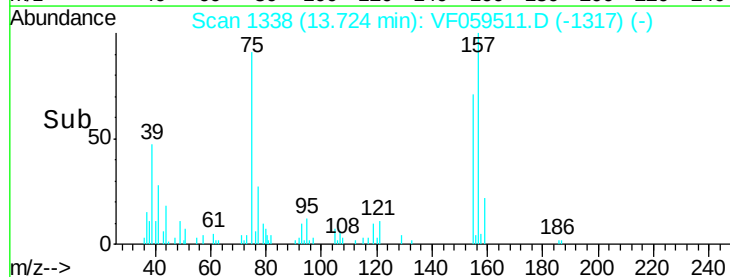
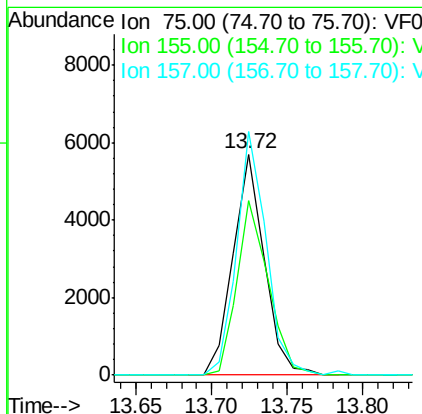
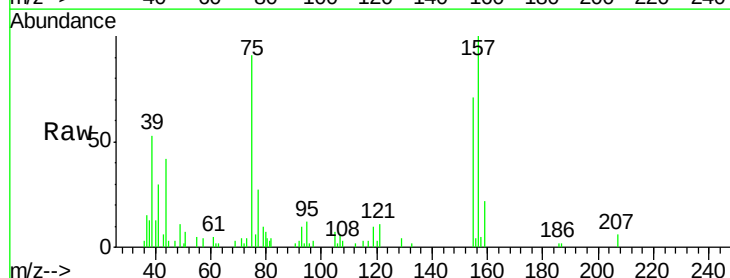
RT: 13.72 min Scan# 1338

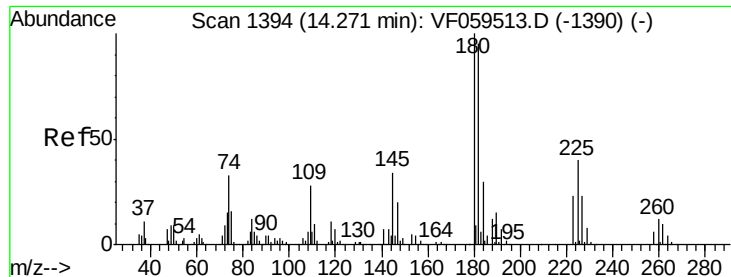
Delta R.T. 0.00 min

Lab File: VF059511.D

Acq: 17 Jul 2018 17:06

Tgt Ion:	75	Resp:	8155
Ion Ratio	Lower	Upper	
75	100		
155	78.7	32.8	98.3
157	115.9	48.5	145.5





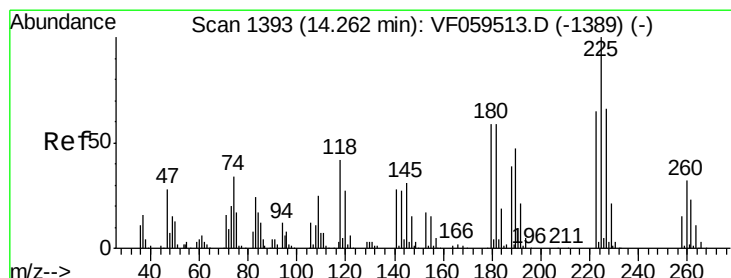
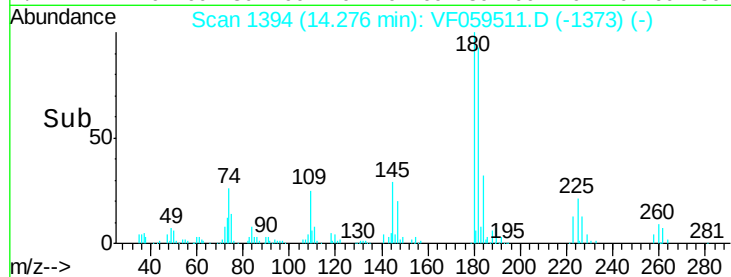
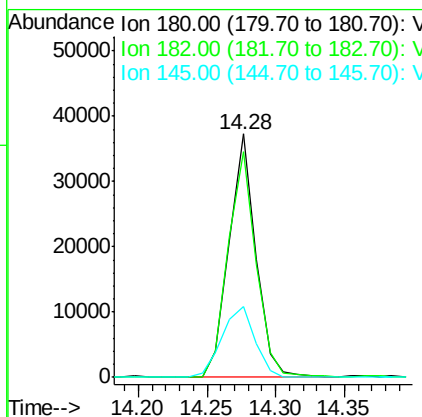
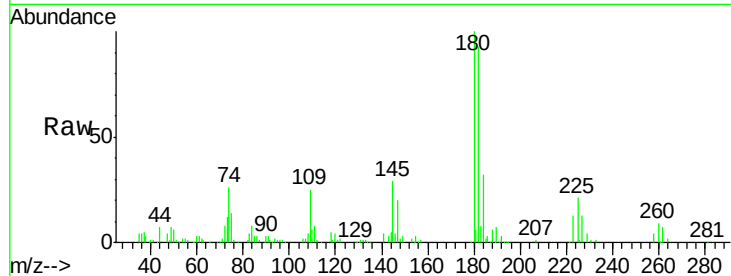
#93
 1,2,4-Trichlorobenzene
 Concen: 11.51 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.5	142.5
145	28.9	17.3	51.7

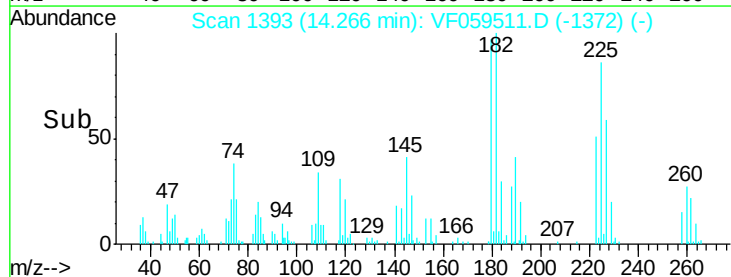
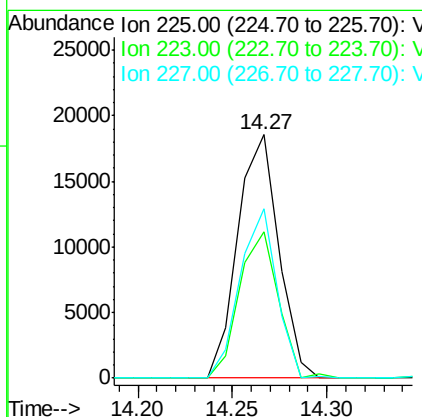
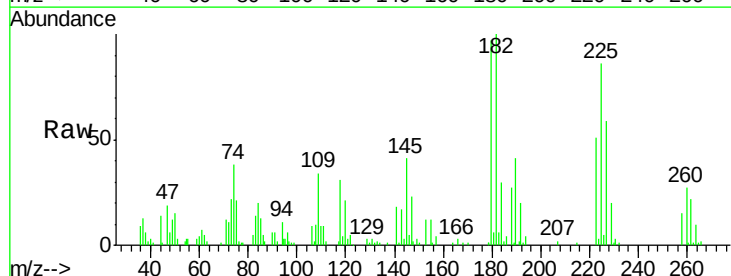
Manual Integrations
 APPROVED

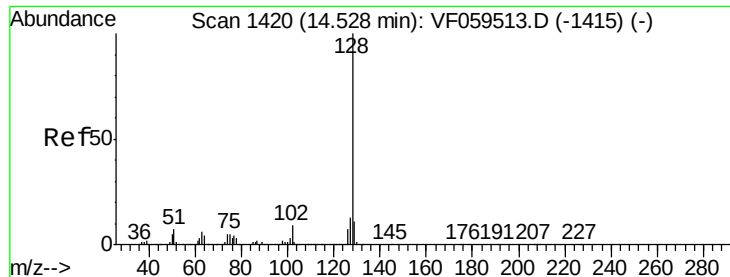
apatel
 7/18/2018 3:16:01 PM



#94
 Hexachlorobutadiene
 Concen: 14.32 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059511.D
 Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	32.3	96.8
227	69.3	33.2	99.6





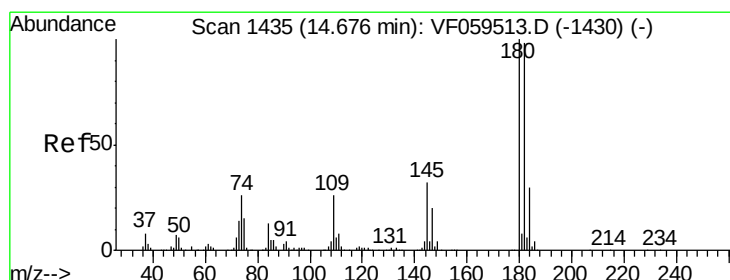
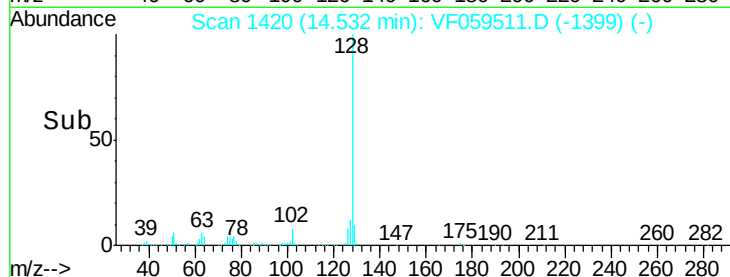
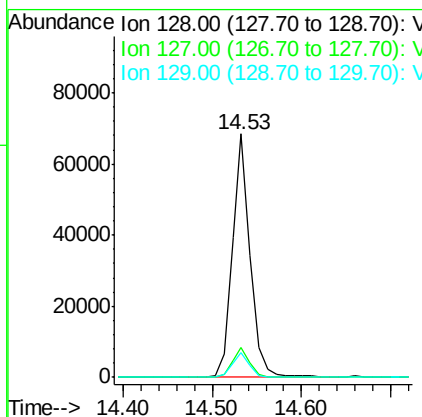
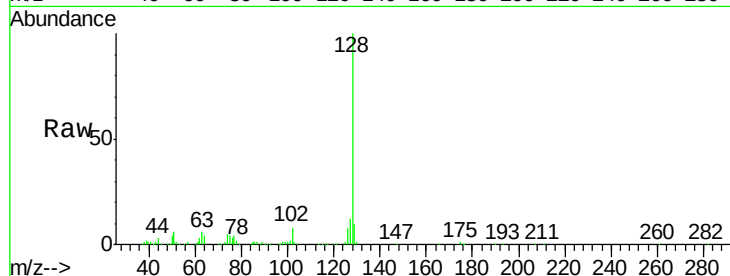
#95
Naphthalene
Concen: 10.30 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.3	9.0	13.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.86 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059511.D
Acq: 17 Jul 2018 17:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.9	48.8	146.4
145	30.7	16.2	48.6

