

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059824.D
 Acq On : 3 Aug 2018 3:58
 Operator : VA/AP
 Sample : VF0802SBSD02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Manual Integrations
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 8/3/2018 4:03:03 PM

Quant Time: Aug 03 08:13:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	171926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	254551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	242565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	159352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	169829	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
35) Dibromofluoromethane	4.29	113	134613	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	7.71	98	315007	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.51	95	174357	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	55758	26.16	ug/l	99
3) Chloromethane	1.08	50	29362	27.16	ug/l	96
4) Vinyl Chloride	1.15	62	30189	26.60	ug/l	95
5) Bromomethane	1.33	94	24565	26.06	ug/l	90
6) Chloroethane	1.41	64	15988	22.25	ug/l	89
7) Trichlorofluoromethane	1.53	101	70366m	21.92	ug/l	
8) Diethyl Ether	1.70	74	12825	23.36	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43346	25.78	ug/l	95
10) Methyl Iodide	1.95	142	66150	26.13	ug/l #	96
11) Tert butyl alcohol	2.70	59	14271	113.75	ug/l	98
12) 1,1-Dichloroethene	1.85	96	33975	25.52	ug/l	77
13) Acrolein	2.10	56	5632	96.82	ug/l #	68
14) Allyl chloride	2.19	41	54829	25.79	ug/l	85
15) Acrylonitrile	3.07	53	26418	132.36	ug/l #	85
16) Acetone	2.35	43	53590	96.42	ug/l	100
17) Carbon Disulfide	1.88	76	76486	25.36	ug/l #	90
18) Methyl Acetate	2.45	43	32596	36.44	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	95078	23.42	ug/l	97
20) Methylene Chloride	2.28	84	34942	25.33	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	32266	26.48	ug/l	90
22) Diisopropyl ether	2.93	45	109589	24.38	ug/l #	95
23) Vinyl Acetate	3.33	43	253604	109.73	ug/l #	97
24) 1,1-Dichloroethane	3.00	63	72860	23.33	ug/l	97
25) 2-Butanone	4.50	43	66092	106.56	ug/l #	89
26) 2,2-Dichloropropane	3.75	77	46328	20.81	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	37622	22.50	ug/l	100
28) Bromochloromethane	3.88	49	26803	22.08	ug/l #	80
29) Tetrahydrofuran	4.25	42	31344	131.48	ug/l	95
30) Chloroform	4.03	83	104557	23.72	ug/l	94
31) Cyclohexane	3.85	56	42767	26.30	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	81133	23.73	ug/l	92
36) 1,1-Dichloropropene	4.45	75	59079	20.60	ug/l	98
37) Ethyl Acetate	4.29	43	33320	23.80	ug/l #	81
38) Carbon Tetrachloride	4.16	117	88874	21.96	ug/l #	95

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	51124	23.74	ug/l	98
40) Benzene	4.81	78	118578	23.07	ug/l	97
41) Methacrylonitrile	4.92	41	15529	22.70	ug/l	95
42) 1,2-Dichloroethane	5.12	62	79673	22.15	ug/l	99
43) Isopropyl Acetate	7.11	43	33059	21.72	ug/l #	89
44) Trichloroethene	5.67	130	45002	23.29	ug/l	87
45) 1,2-Dichloropropane	6.40	63	32575	24.00	ug/l	92
46) Dibromomethane	6.25	93	28678	22.25	ug/l	95
47) Bromodichloromethane	6.54	83	75868	21.62	ug/l	95
48) Methyl methacrylate	6.87	41	22951	20.05	ug/l	90
49) 1,4-Dioxane	6.87	88	3698	487.16	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	135650	117.16	ug/l	94
52) Toluene	7.78	92	87897	24.33	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	64753	21.26	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	61630	20.89	ug/l #	95
55) 1,1,2-Trichloroethane	8.63	97	30052	21.59	ug/l	89
56) Ethyl methacrylate	8.76	69	32565	22.43	ug/l	95
57) 1,3-Dichloropropane	9.00	76	56468	23.64	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	18143	108.23	ug/l	100
59) 2-Hexanone	9.63	43	100178	107.97	ug/l	92
60) Dibromochloromethane	8.86	129	53123	21.62	ug/l	92
61) 1,2-Dibromoethane	9.14	107	36017	22.15	ug/l	96
64) Tetrachloroethene	8.30	164	47948	27.27	ug/l	93
65) Chlorobenzene	9.94	112	115040	23.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	51159	22.58	ug/l	98
67) Ethyl Benzene	10.03	91	194947	23.22	ug/l	98
68) m/p-Xylenes	10.27	106	137721	48.44	ug/l	99
69) o-Xylene	10.82	106	72195	23.34	ug/l	93
70) Styrene	10.90	104	115195	24.58	ug/l	99
71) Bromoform	10.89	173	35960	24.36	ug/l	99
73) Isopropylbenzene	11.23	105	253859	24.28	ug/l	97
74) N-amyl acetate	11.46	43	59237	22.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	48551	24.67	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	39877	23.83	ug/l	98
77) Bromobenzene	11.59	156	62093	22.74	ug/l	99
78) n-propylbenzene	11.69	91	284196	23.90	ug/l	99
79) 2-Chlorotoluene	11.81	91	174432	23.54	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	219890	23.98	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	15210m	21.94	ug/l	
82) 4-Chlorotoluene	11.99	91	185827	23.68	ug/l	97
83) tert-Butylbenzene	12.21	119	214376	22.84	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	217896	23.49	ug/l	98
85) sec-Butylbenzene	12.39	105	285121	23.88	ug/l	97
86) p-Isopropyltoluene	12.54	119	244928	23.32	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	116236	22.91	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	113704	22.98	ug/l	98
89) n-Butylbenzene	12.91	91	226532	22.47	ug/l	94
90) Hexachloroethane	12.99	117	62342	23.64	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	115603	24.26	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10701	22.24	ug/l	78

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MSVOA_F
ClientSampleId :
VF0802SBSD02

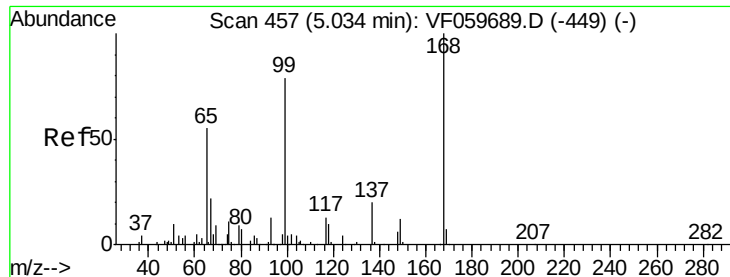
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	88836	23.01	ug/l	95
94) Hexachlorobutadiene	14.25	225	57717	22.08	ug/l	98
95) Naphthalene	14.52	128	162656	23.67	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	83384	21.96	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion:168 Resp: 171926

Ion Ratio Lower Upper

168 100

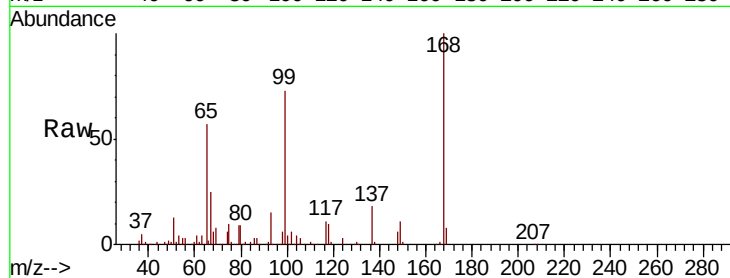
99 73.3 63.3 94.9

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

5.04

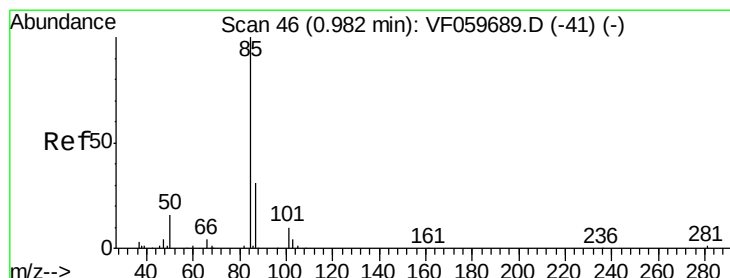
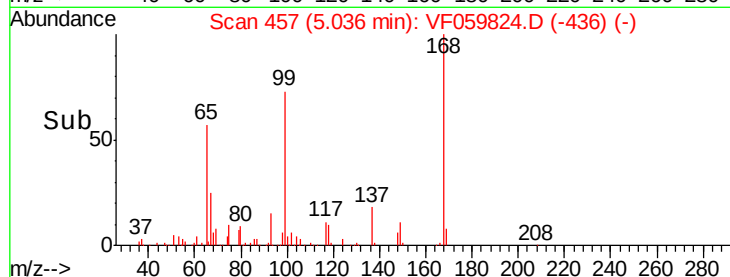
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.16 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059824.D

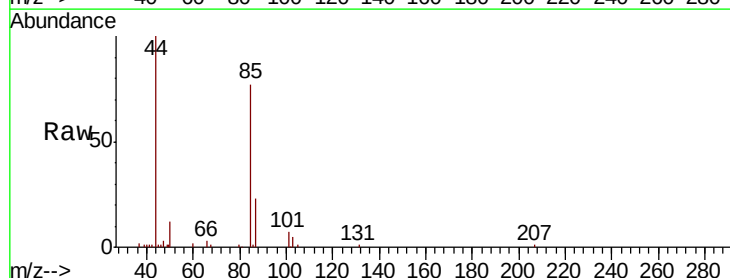
Acq: 3 Aug 2018 3:58

Tgt Ion: 85 Resp: 55758

Ion Ratio Lower Upper

85 100

87 30.0 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

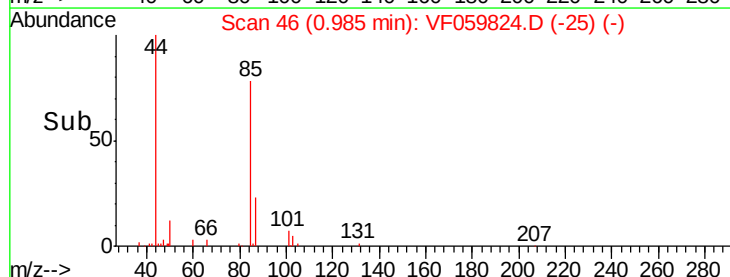
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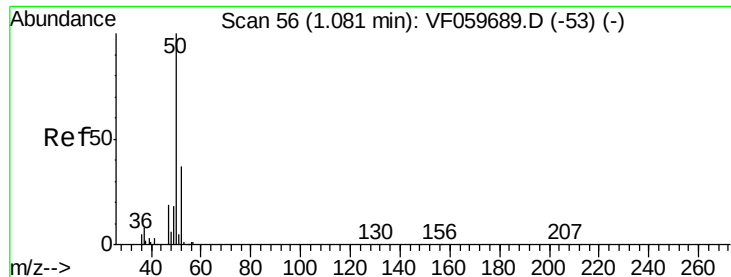
10000

5000

0

Time-->





#3

Chloromethane

Concen: 27.16 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 50 Resp: 29362

Ion Ratio Lower Upper

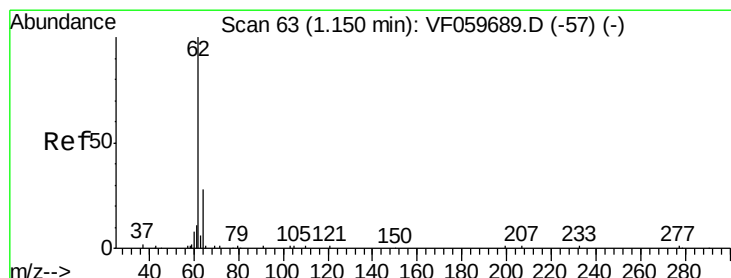
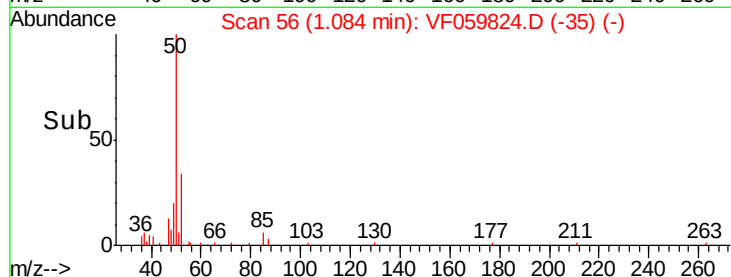
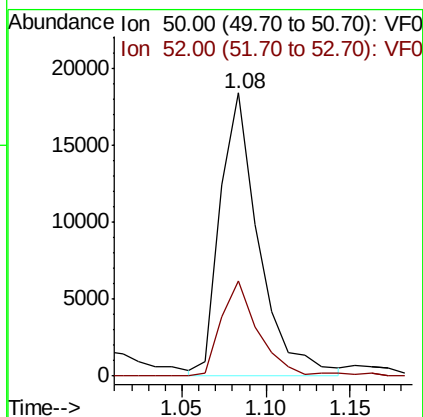
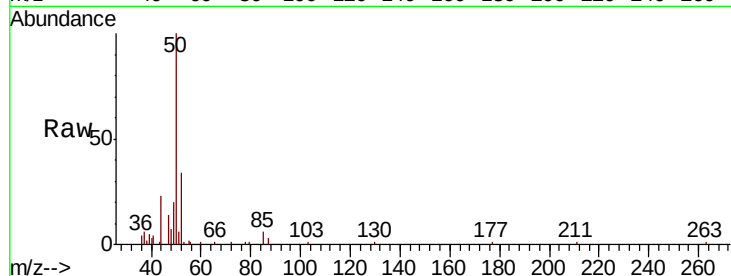
50 100

52 33.8 29.1 43.7

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#4

Vinyl Chloride

Concen: 26.60 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059824.D

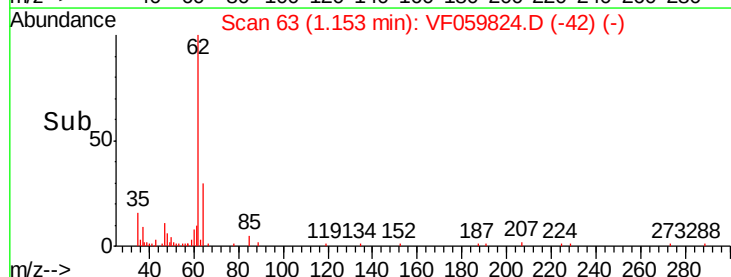
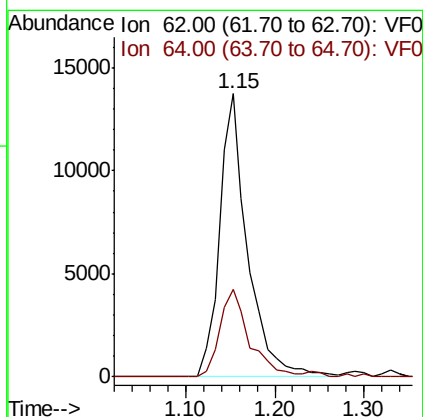
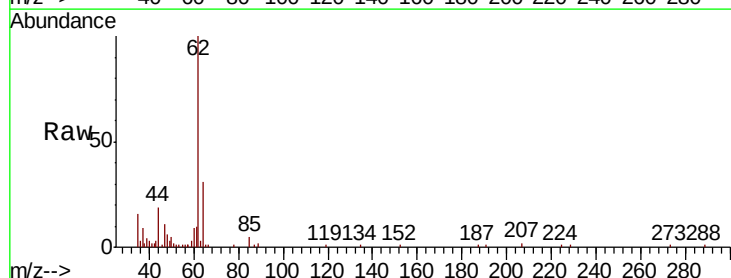
Acq: 3 Aug 2018 3:58

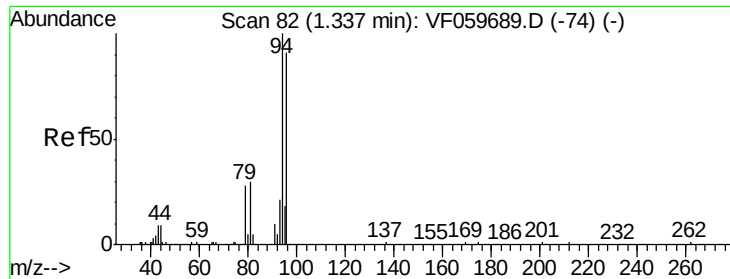
Tgt Ion: 62 Resp: 30189

Ion Ratio Lower Upper

62 100

64 31.1 22.6 33.8





#5

Bromomethane

Concen: 26.06 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 94 Resp: 24565

Ion Ratio Lower Upper

94 100

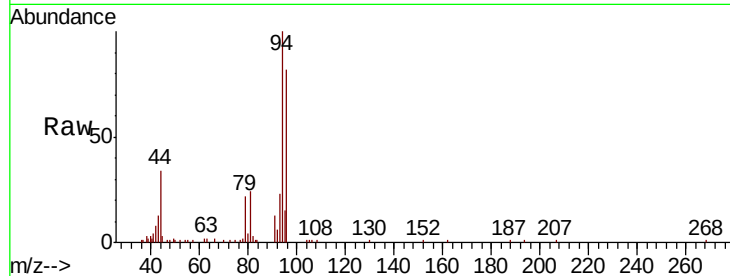
96 82.5 73.6 110.4

Manual Integrations

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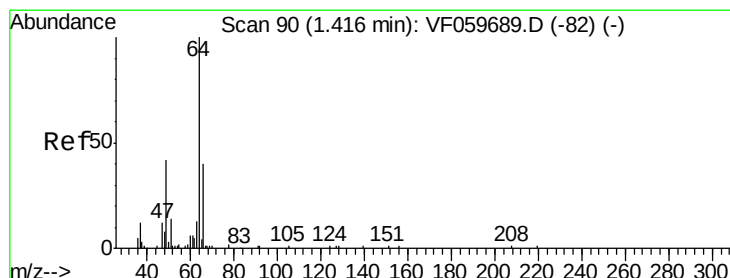
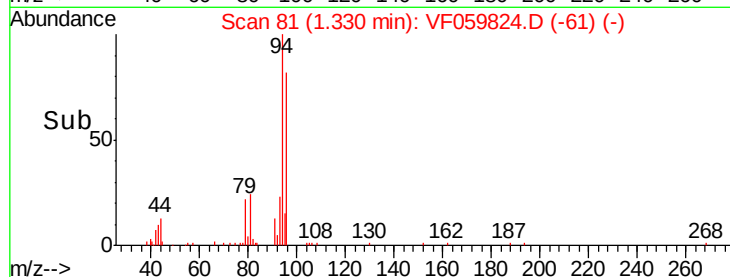
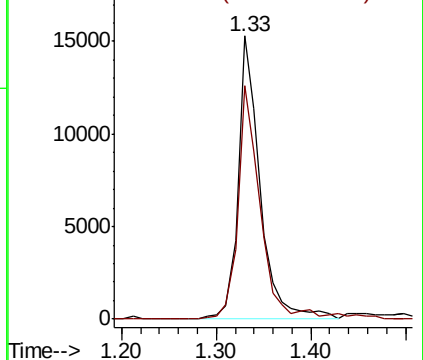
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 22.25 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059824.D

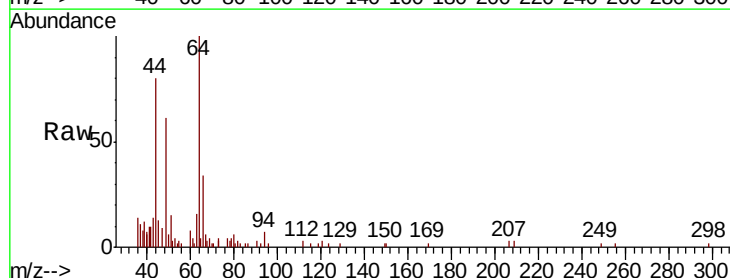
Acq: 3 Aug 2018 3:58

Tgt Ion: 64 Resp: 15988

Ion Ratio Lower Upper

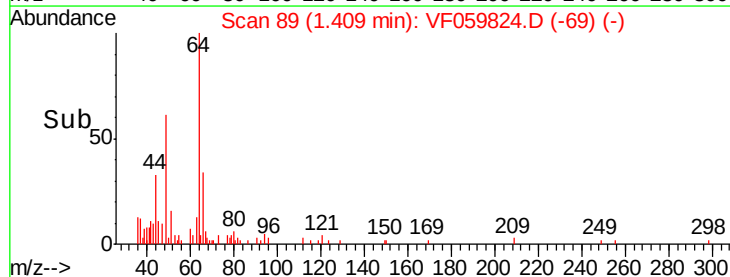
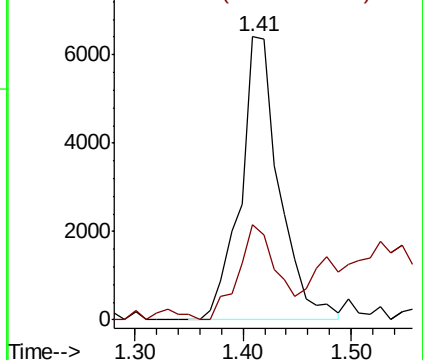
64 100

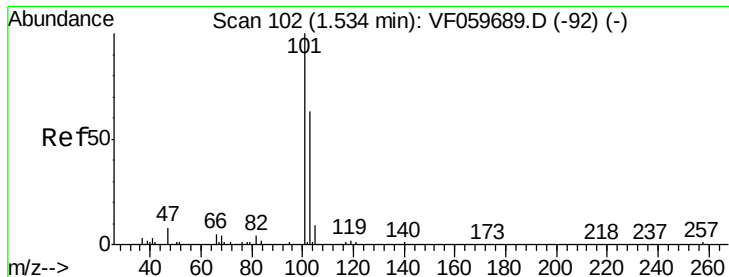
66 33.9 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

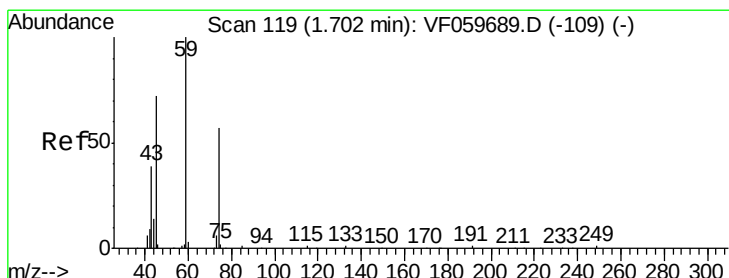
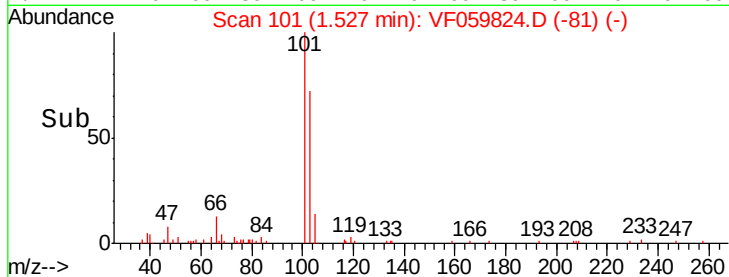
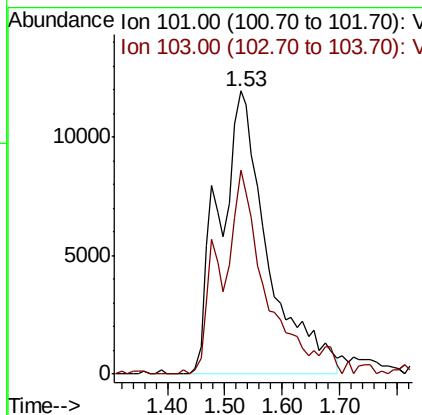
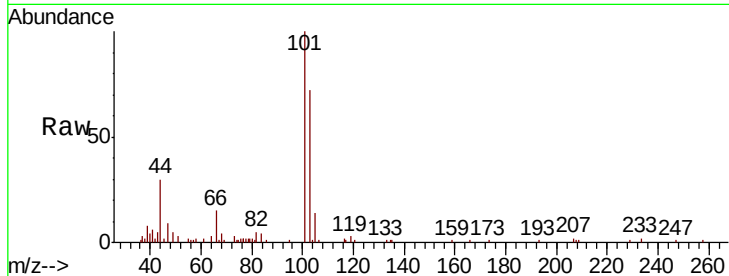
Trichlorofluoromethane
Concen: 21.92 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
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ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.1	50.8	76.2

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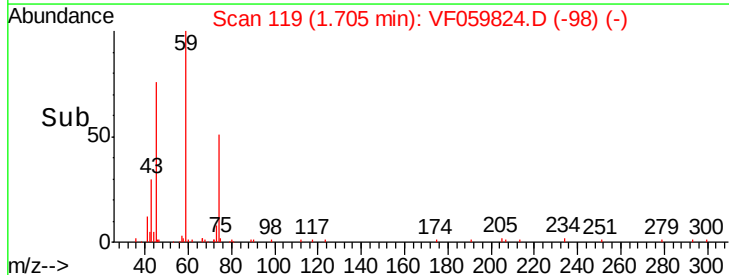
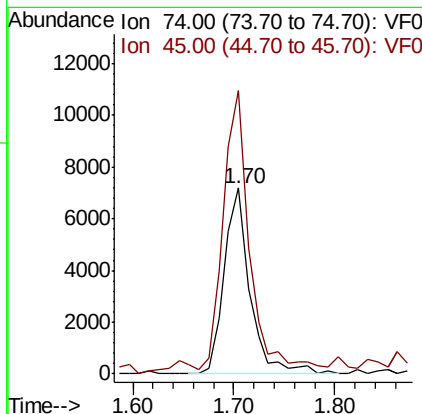
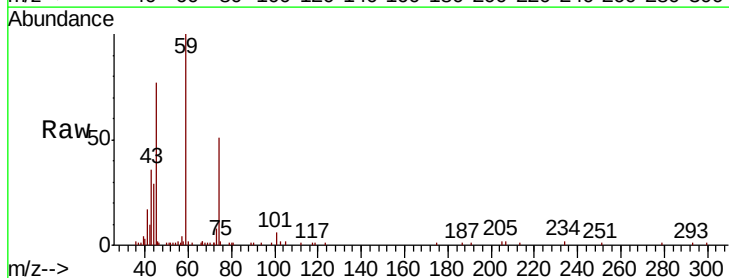
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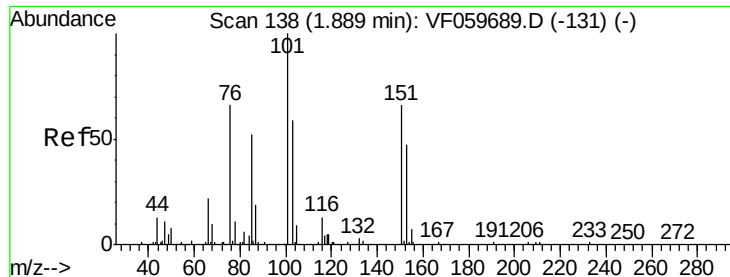


#8

Diethyl Ether
Concen: 23.36 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	152.6	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.78 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

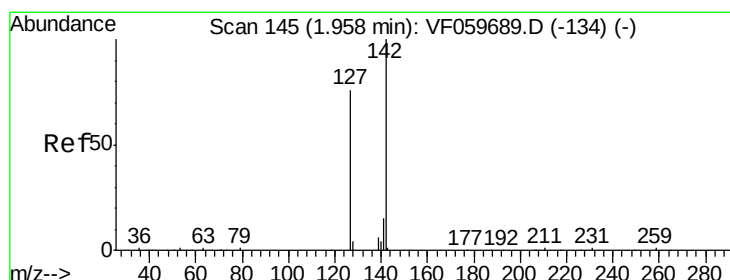
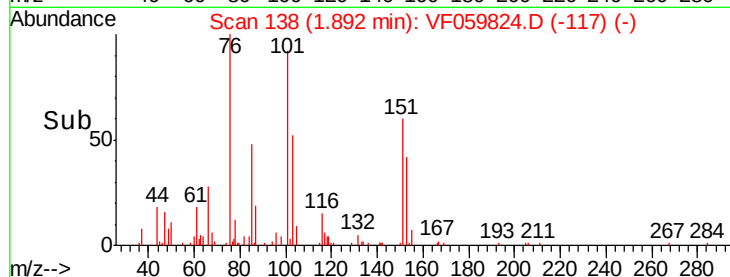
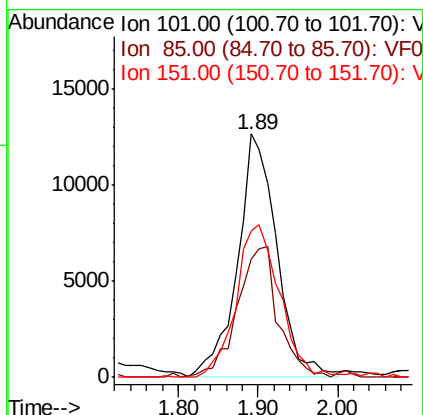
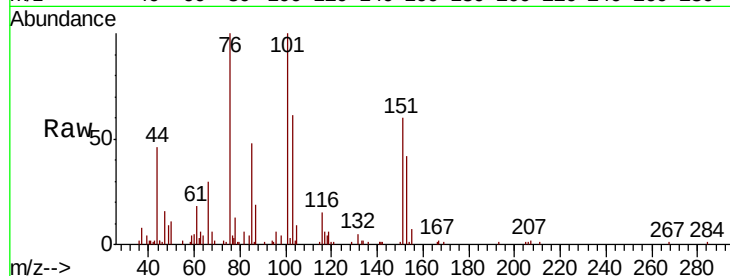
ClientSampleId :

VF0802SBSD02

Tot Ion:	101	Resp:	43346
Ion Ratio	Lower	Upper	
101	100		
85	48.3	40.7	61.1
151	60.1	51.4	77.2

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#10

Methyl Iodide

Concen: 26.13 ug/l

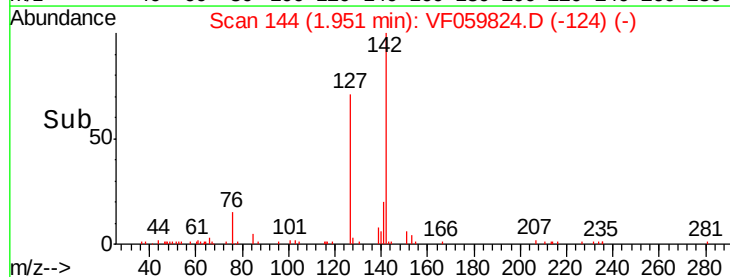
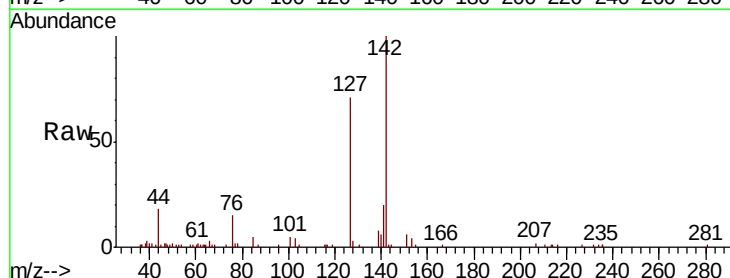
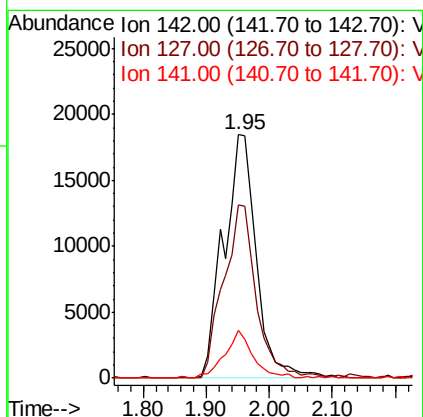
RT: 1.95 min Scan# 144

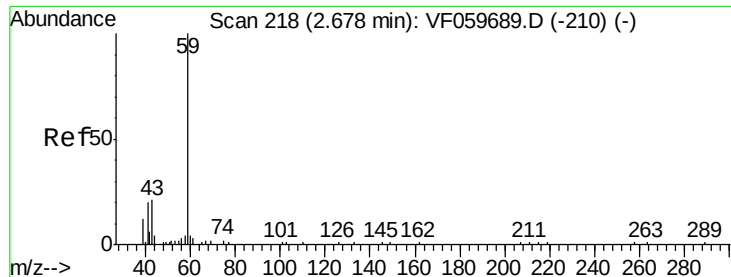
Delta R.T. -0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	142	Resp:	66150
Ion Ratio	Lower	Upper	
142	100		
127	73.9	60.6	91.0
141	19.6	12.0	18.0#





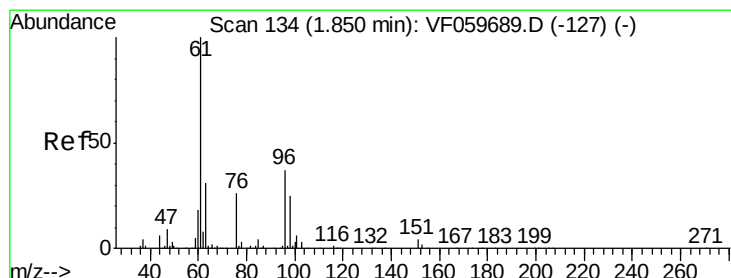
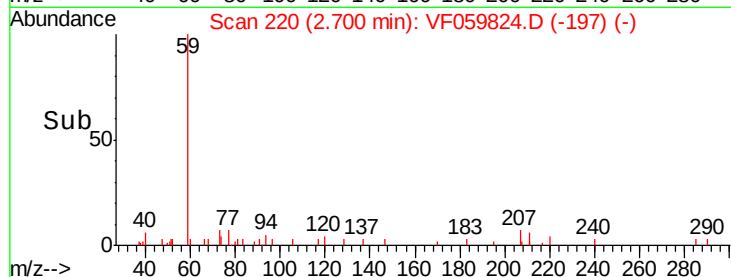
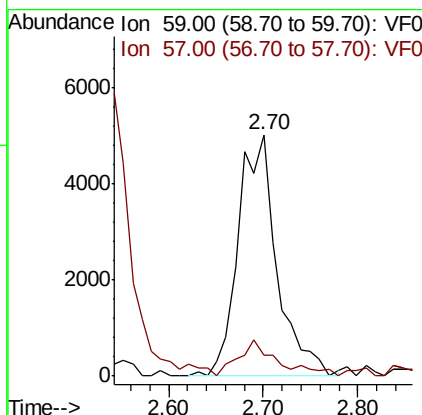
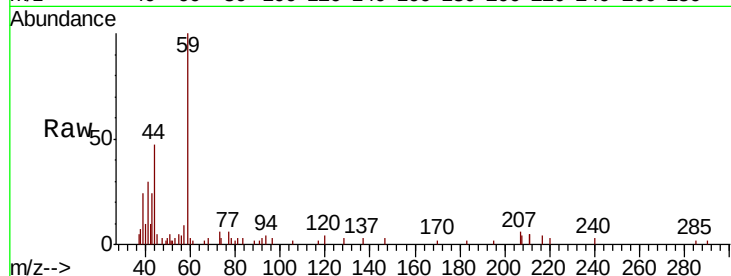
#11
Tert butyl alcohol
Concen: 113.75 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	59	Resp	14271
Ion Ratio	100	Lower	Upper
57	8.6	7.6	11.4

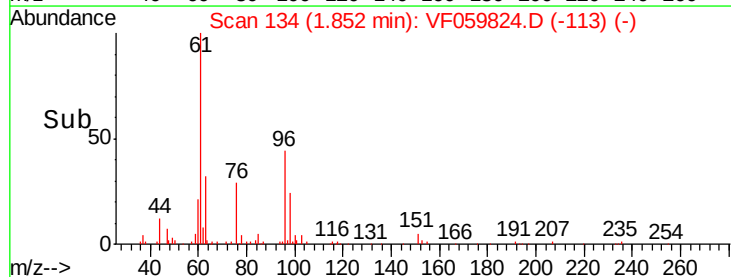
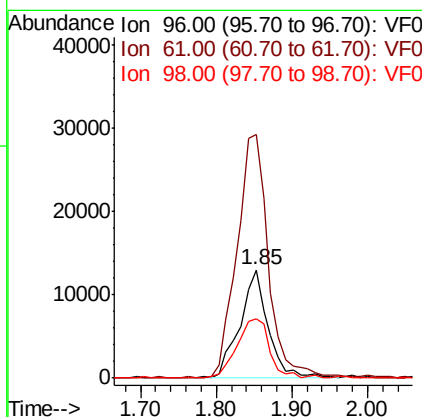
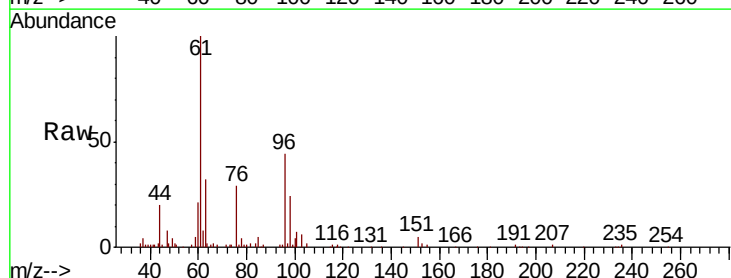
Manual Integrations
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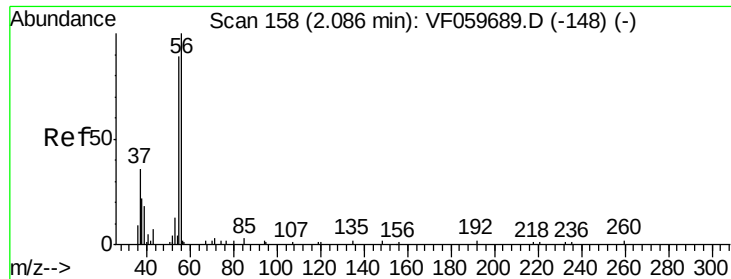
apatel
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#12
1,1-Dichloroethene
Concen: 25.52 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	96	Resp	33975
Ion Ratio	100	Lower	Upper
61	225.0	215.1	322.7
98	54.6	54.3	81.5





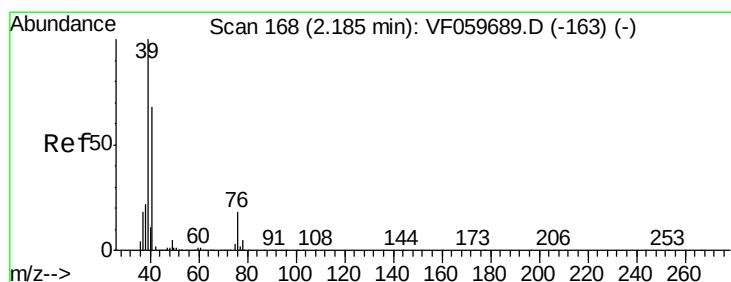
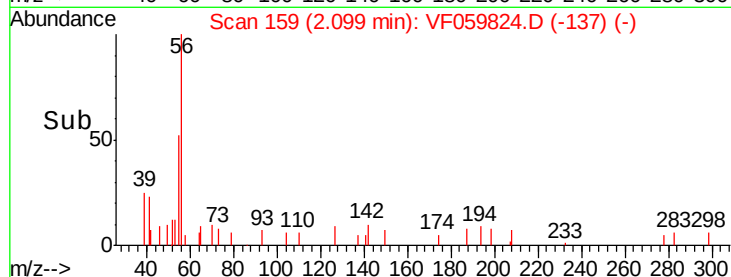
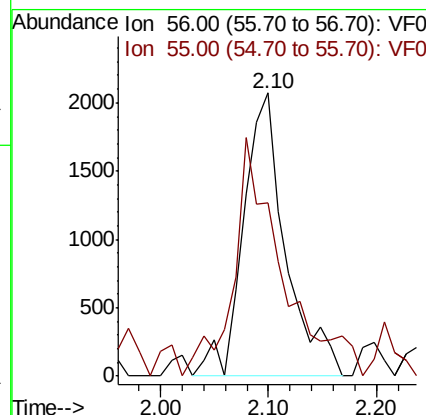
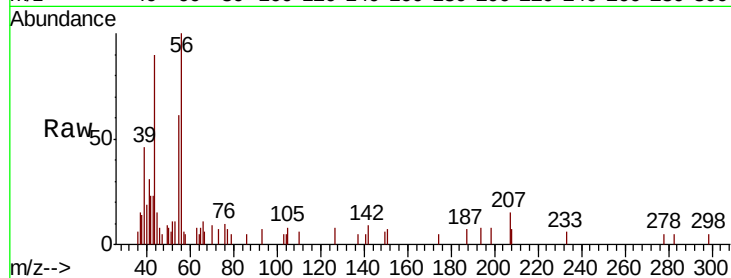
#13
Acrolein
Concen: 96.82 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	56	Resp	5632
Ion Ratio	100	Lower	Upper
55	61.3	73.2	109.8#

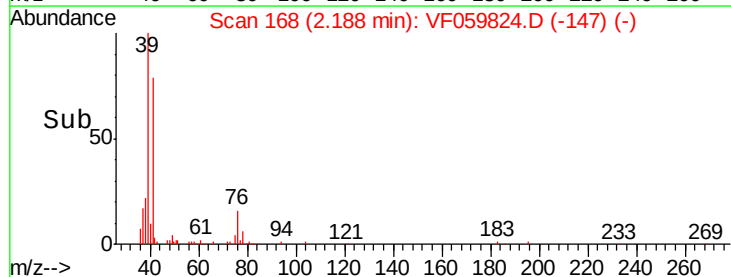
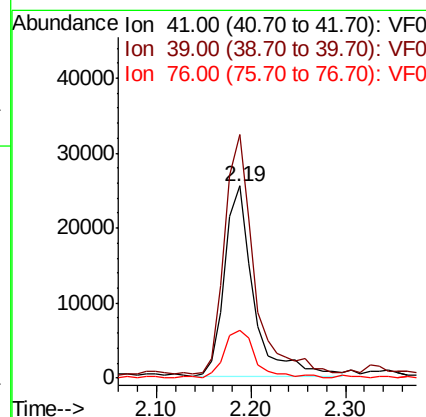
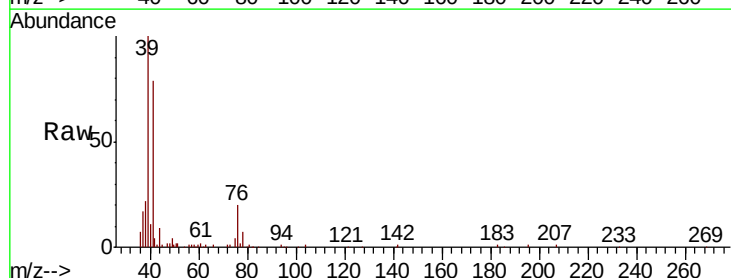
Manual Integrations
APPROVED

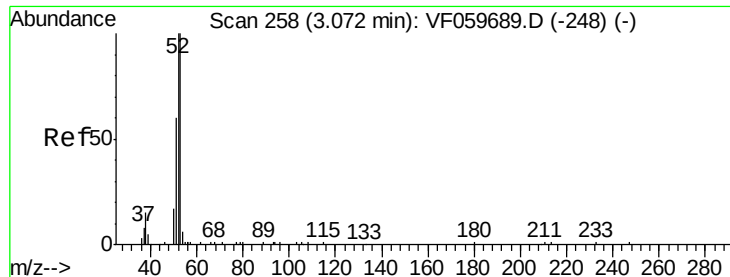
apatel
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#14
Allyl chloride
Concen: 25.79 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	41	Resp	54829
Ion Ratio	100	Lower	Upper
39	126.6	118.1	177.1
76	25.1	22.0	33.0





#15

Acrylonitrile

Concen: 132.36 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

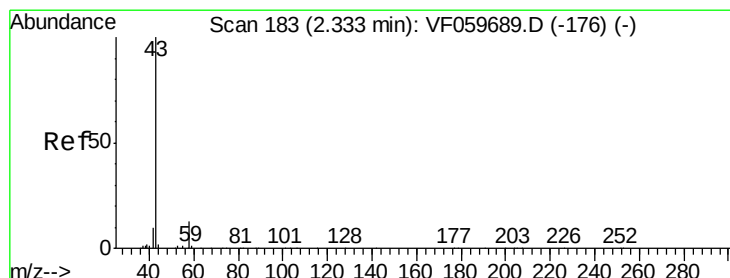
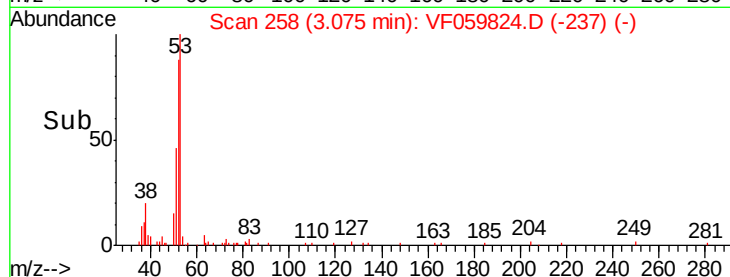
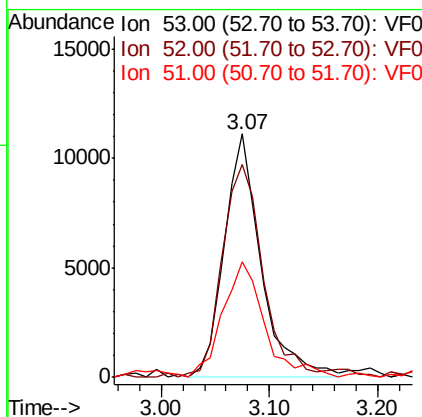
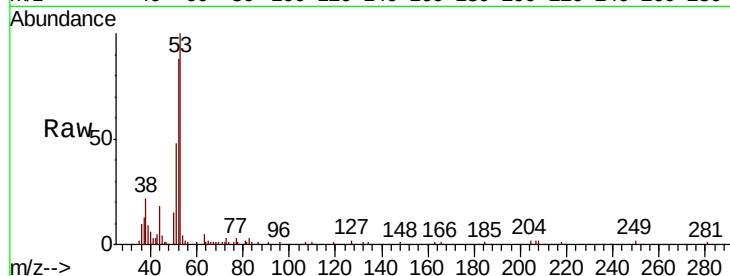
ClientSampleId :

VF0802SBSD02

Tot Ion:	53	Resp:	26418
Ion	Ratio	Lower	Upper
53	100		
52	87.7	80.3	120.5
51	47.6	49.4	74.0#

Manual Integrations
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#16

Acetone

Concen: 96.42 ug/l

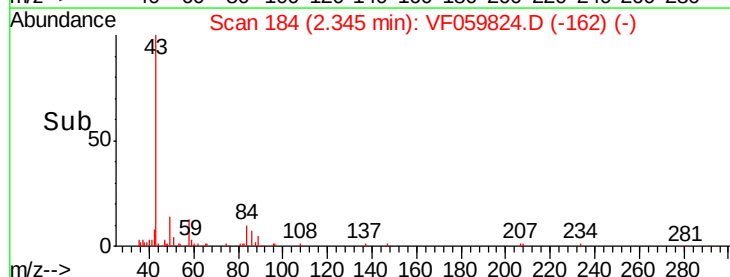
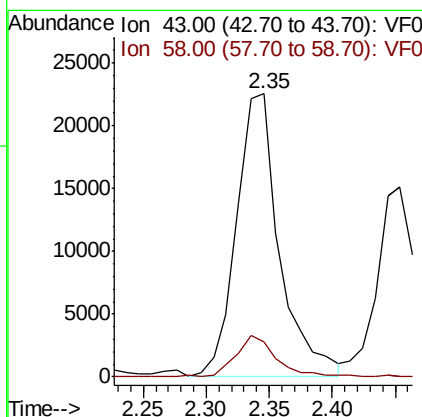
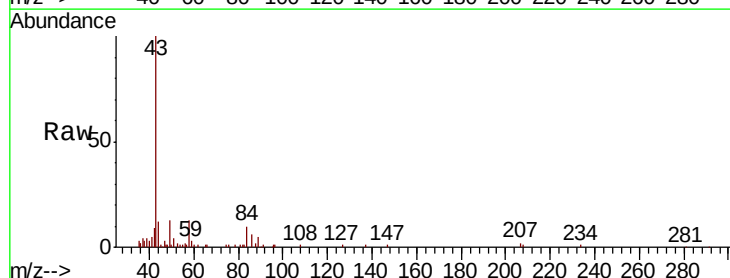
RT: 2.35 min Scan# 184

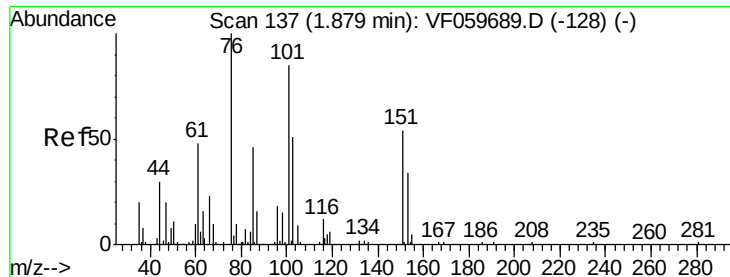
Delta R.T. 0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	43	Resp:	53590
Ion	Ratio	Lower	Upper
43	100		
58	12.6	10.1	15.1





#17

Carbon Disulfide

Concen: 25.36 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 76 Resp: 76486

Ion Ratio Lower Upper

76 100

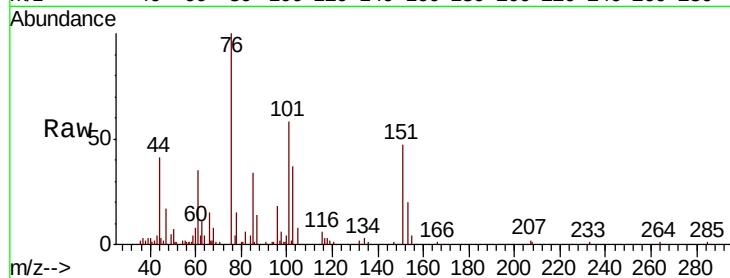
78 14.9 8.9 13.3#

Manual Integrations

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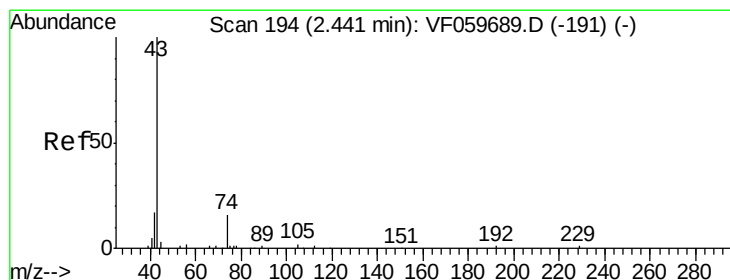
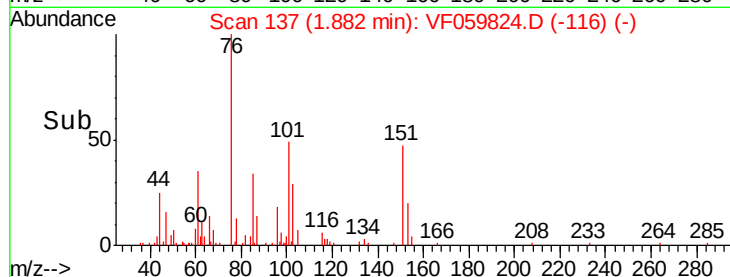
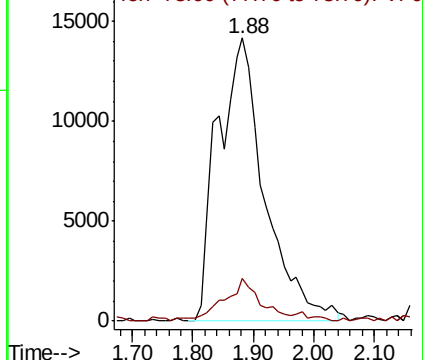
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 36.44 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059824.D

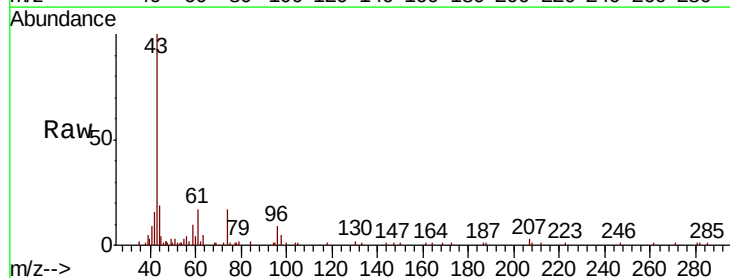
Acq: 3 Aug 2018 3:58

Tgt Ion: 43 Resp: 32596

Ion Ratio Lower Upper

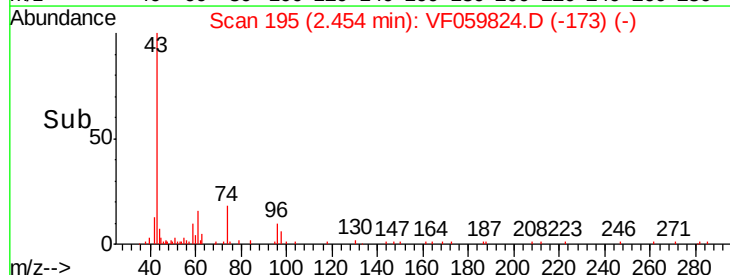
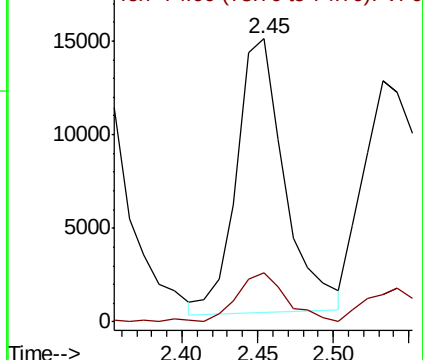
43 100

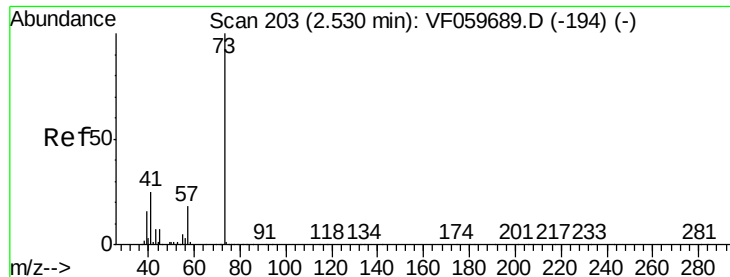
74 17.3 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

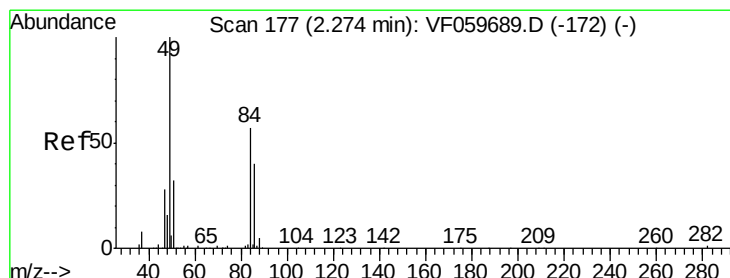
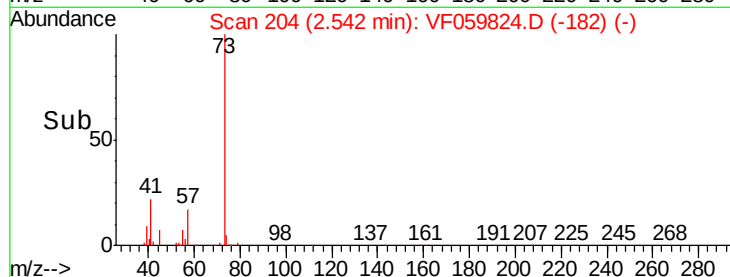
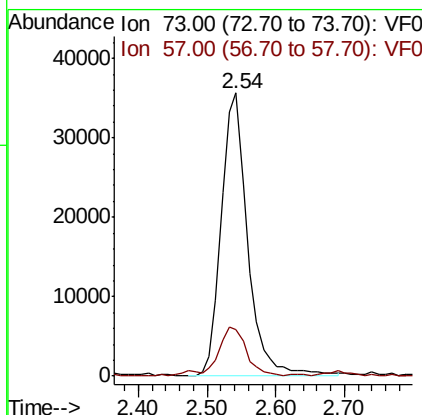
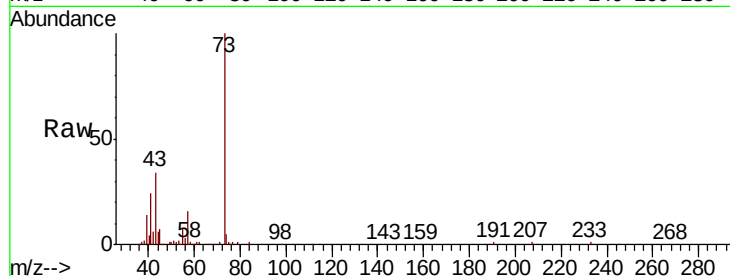
Methyl tert-butyl Ether
 Concen: 23.42 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	14.2	21.2

Manual Integrations
 APPROVED

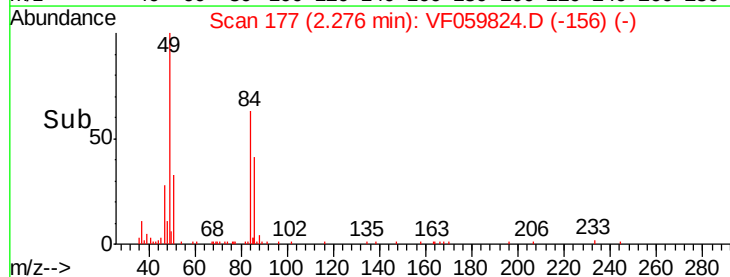
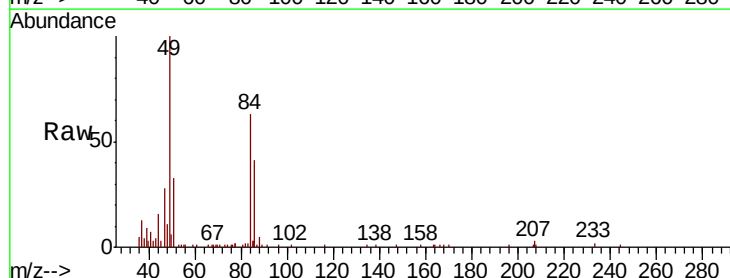
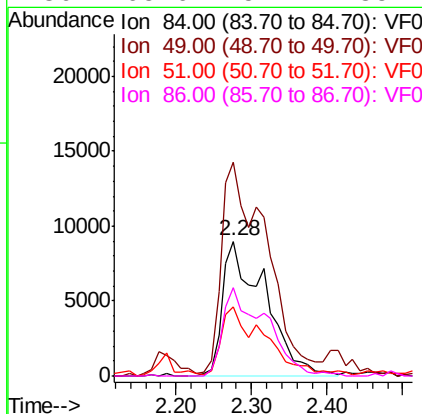
apatel
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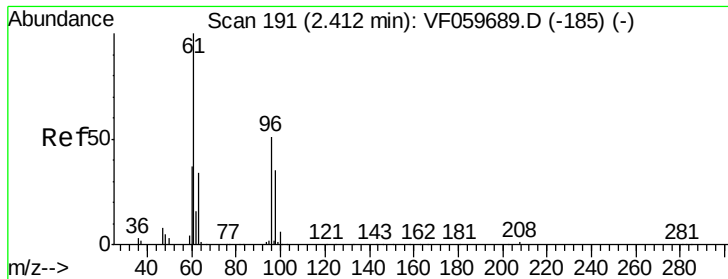


#20

Methylene Chloride
 Concen: 25.33 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.2	142.2	213.4
51	51.4	46.2	69.2
86	65.6	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 26.48 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

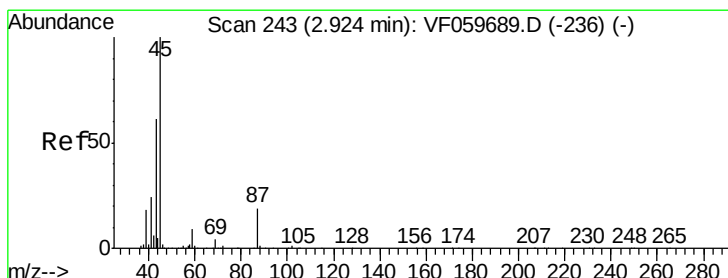
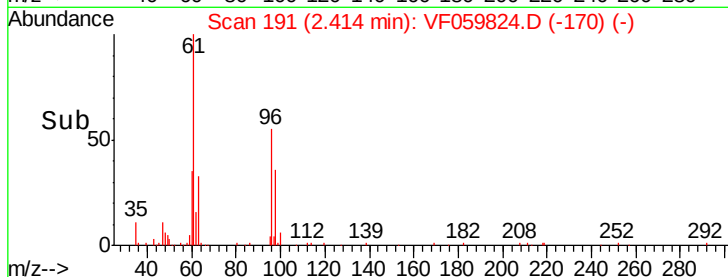
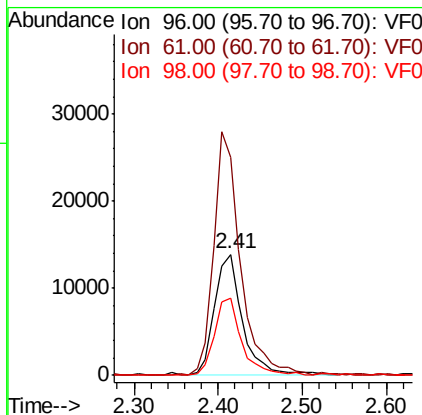
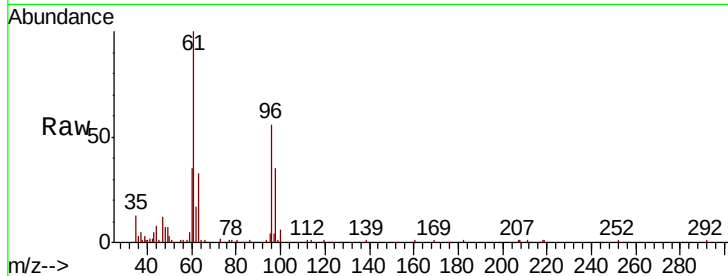
ClientSampleId :

VF0802SBSD02

Tot Ion:	96	Resp:	32266
Ion	Ratio	Lower	Upper
96	100		
61	179.9	157.4	236.0
98	63.5	55.0	82.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 24.38 ug/l

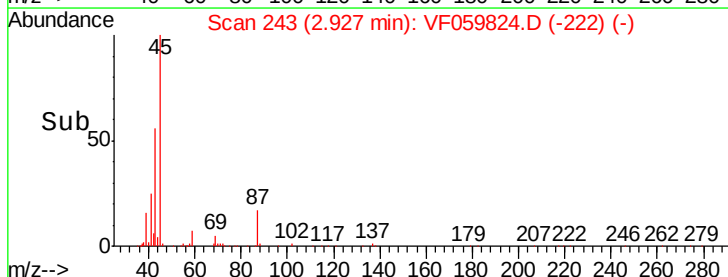
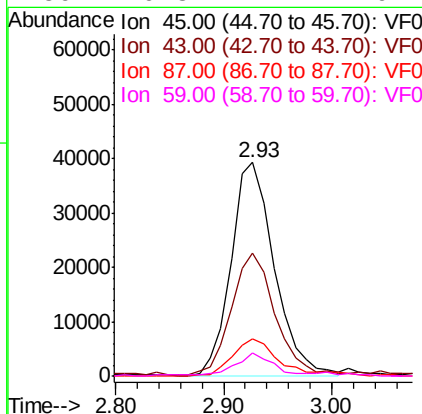
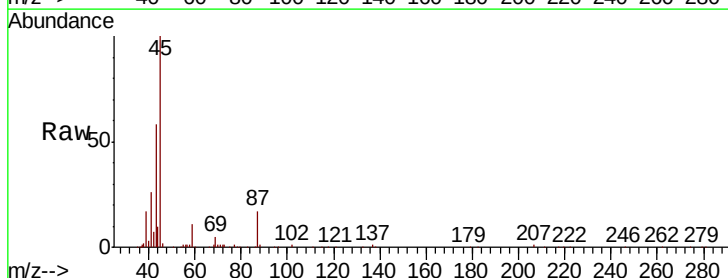
RT: 2.93 min Scan# 243

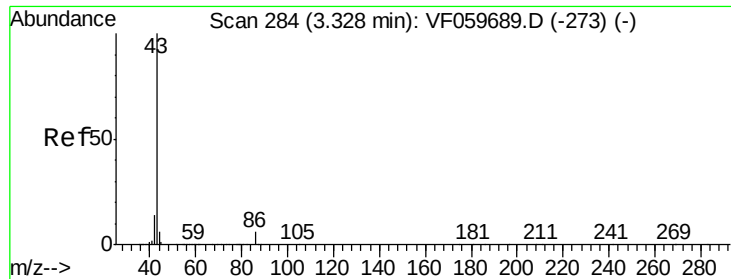
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	45	Resp:	109589
Ion	Ratio	Lower	Upper
45	100		
43	57.5	49.3	73.9
87	17.4	15.3	22.9
59	10.8	7.1	10.7#





#23

Vinyl Acetate

Concen: 109.73 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

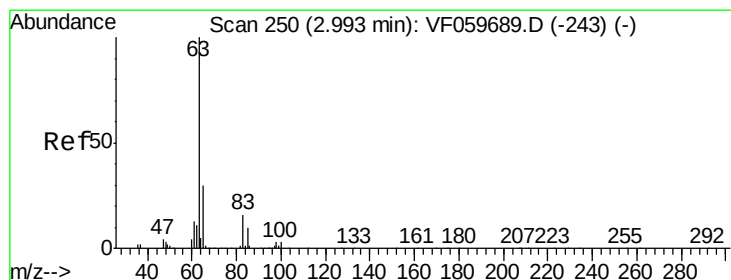
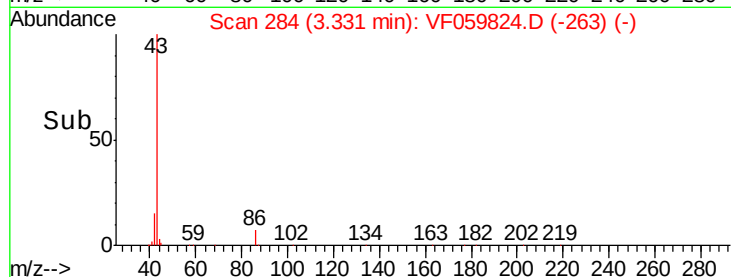
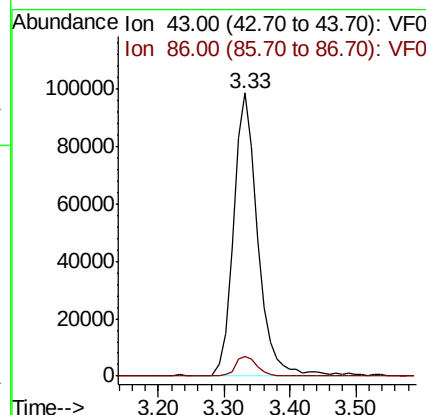
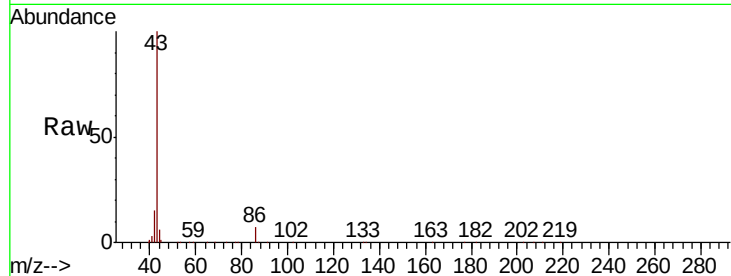
ClientSampleId :

VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.9	4.6	6.8#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 23.33 ug/l

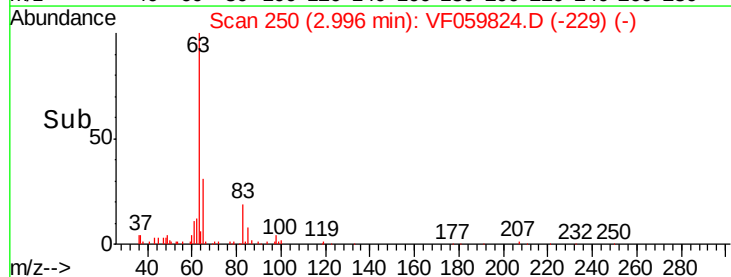
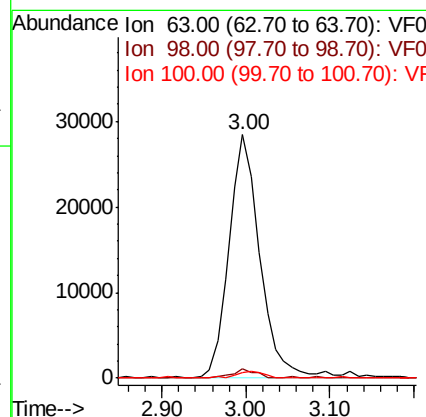
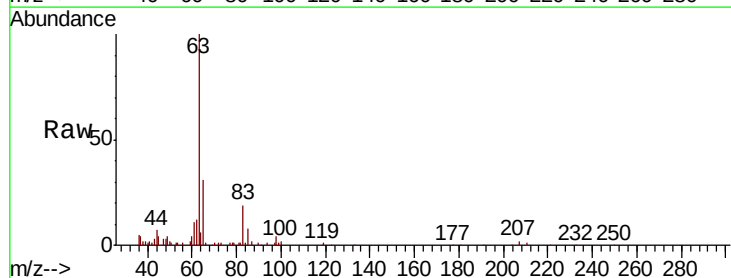
RT: 3.00 min Scan# 250

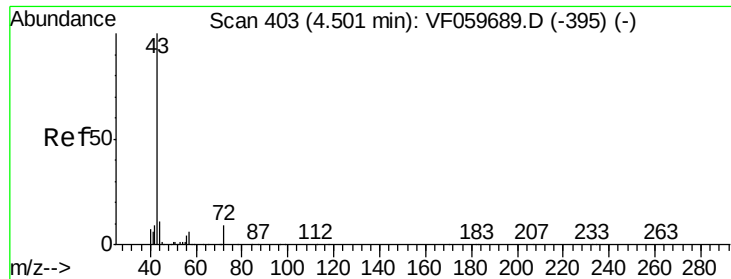
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.4	4.2
100	2.2	1.6	4.7





#25

2-Butanone

Concen: 106.56 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 43 Resp: 66092

Ion Ratio Lower Upper

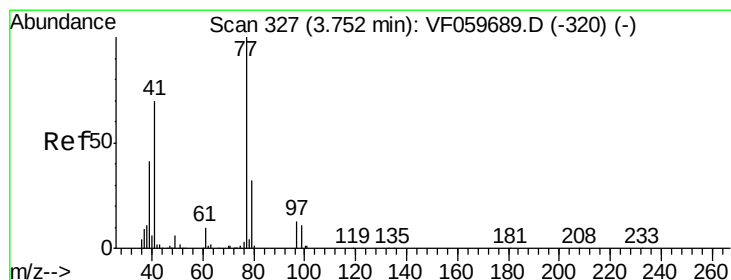
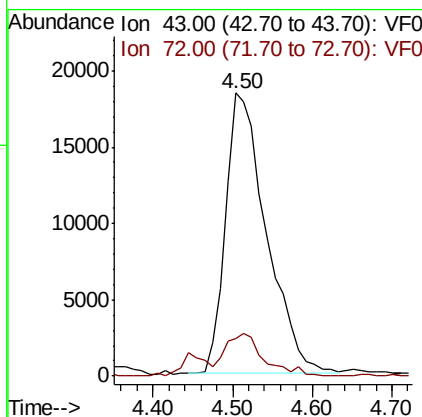
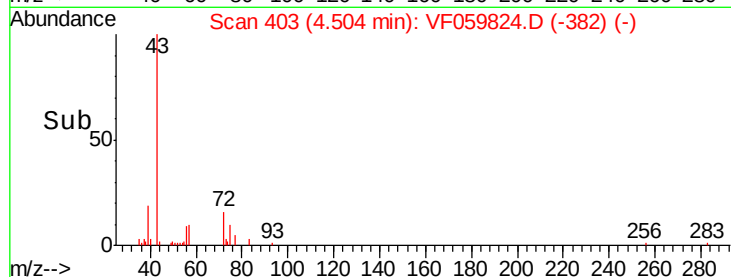
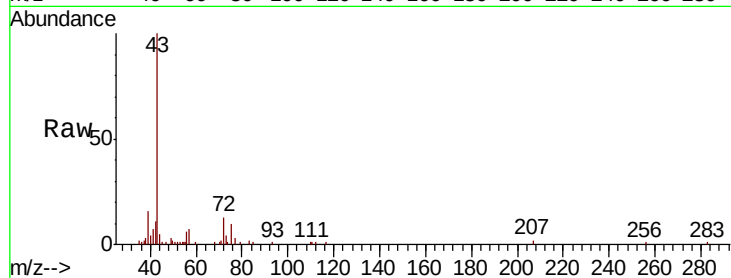
43 100

72 13.5 7.7 11.5#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.81 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059824.D

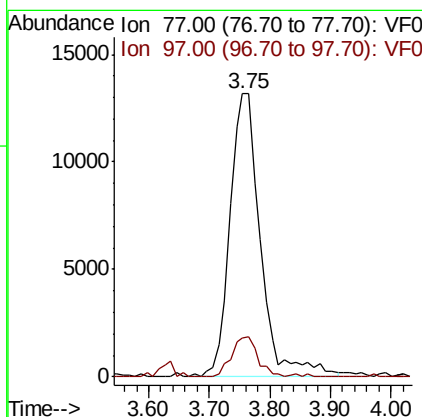
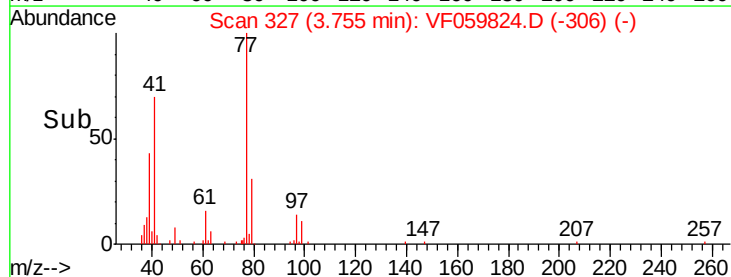
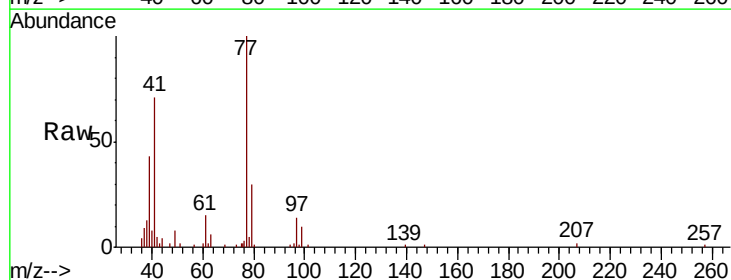
Acq: 3 Aug 2018 3:58

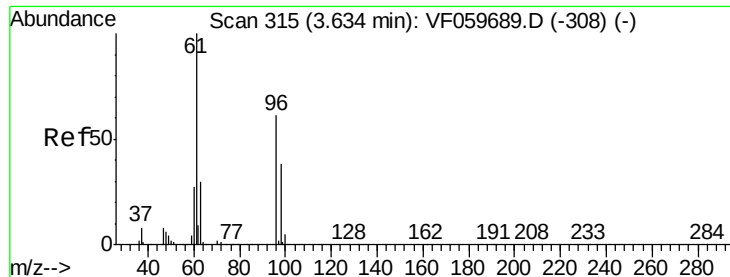
Tgt Ion: 77 Resp: 46328

Ion Ratio Lower Upper

77 100

97 13.7 6.8 20.4





#27

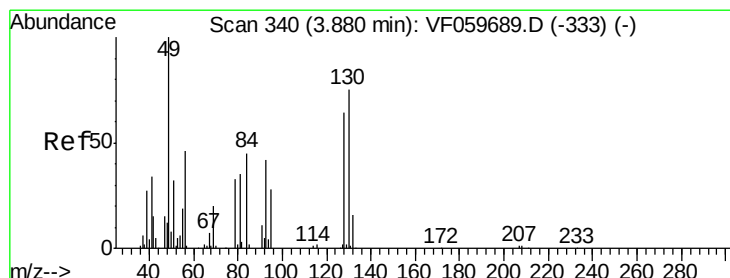
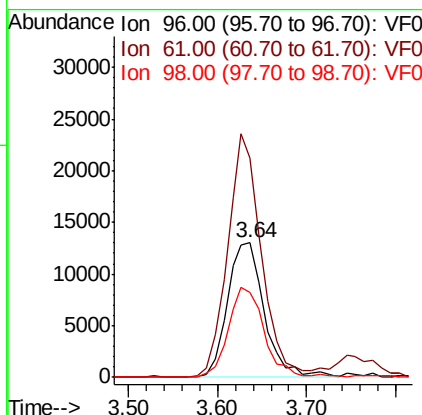
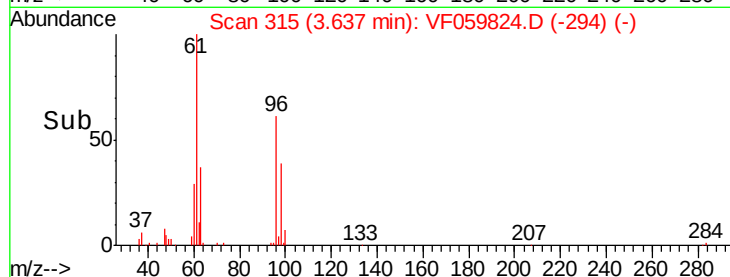
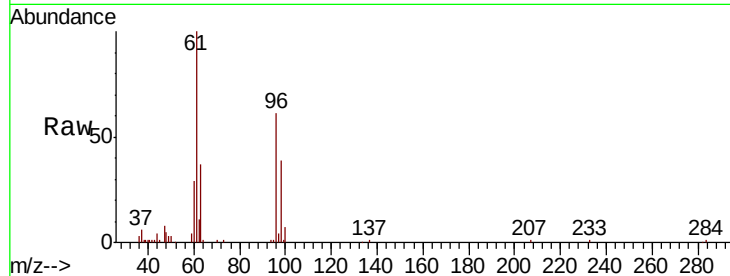
cis-1,2-Dichloroethene
Concen: 22.50 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	37622		
61	163.2	0.0	326.8	
98	63.0	0.0	125.2	

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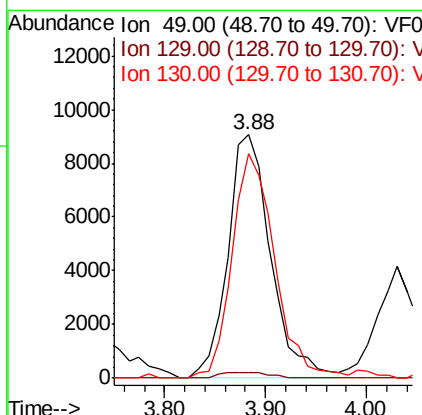
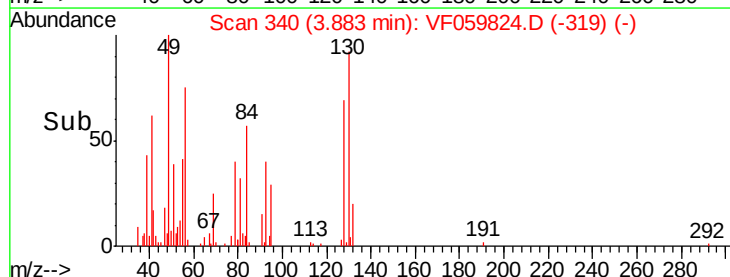
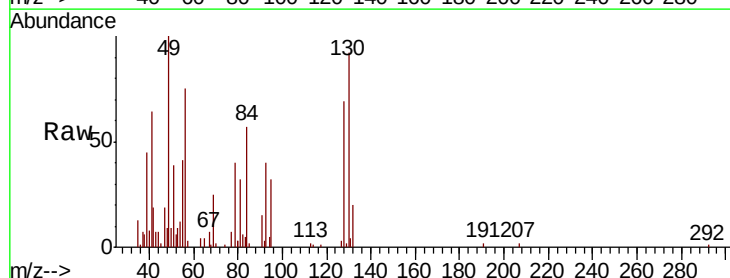
apatel
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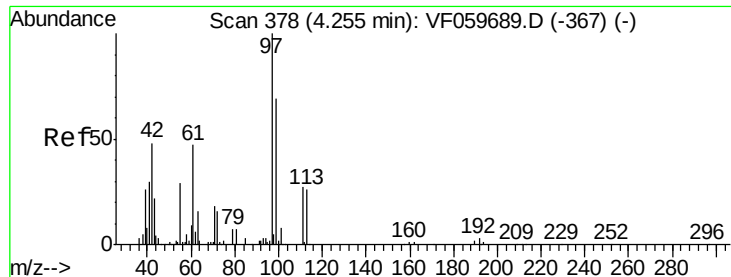


#28

Bromochloromethane
Concen: 22.08 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	26803		
129	2.4	0.0	4.8	
130	92.1	59.6	89.4#	





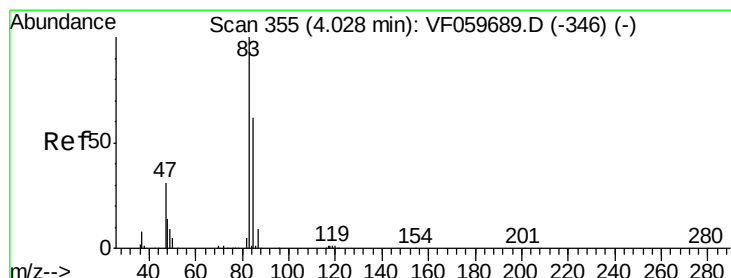
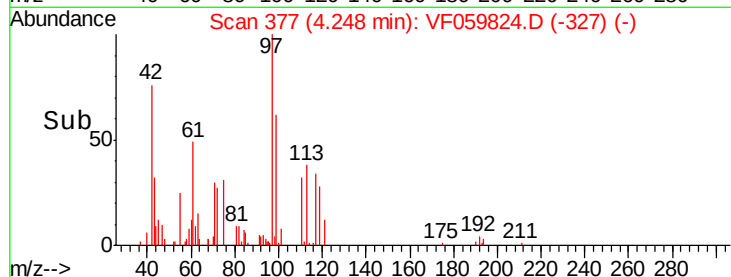
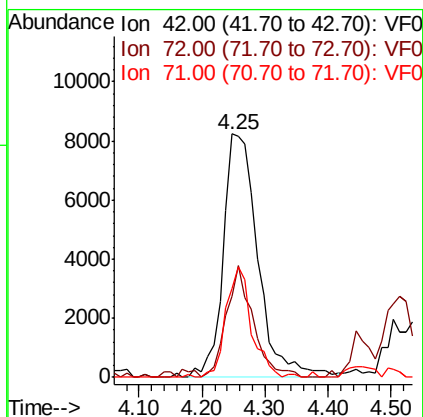
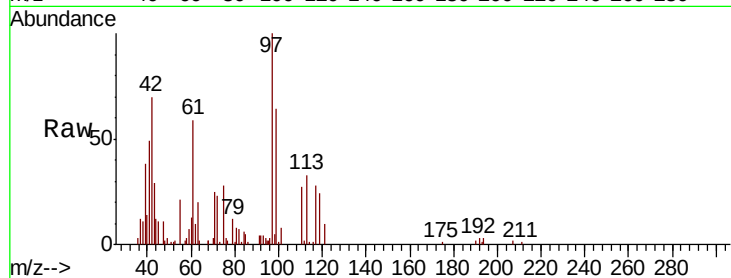
#29
Tetrahydrofuran
Concen: 131.48 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	27.0	40.6
71	33.1	29.7	44.5

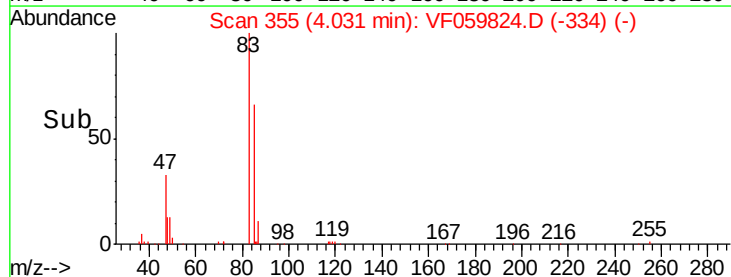
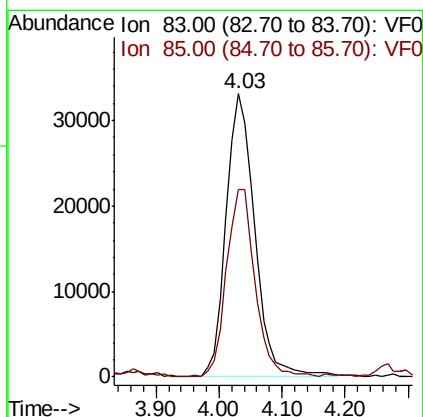
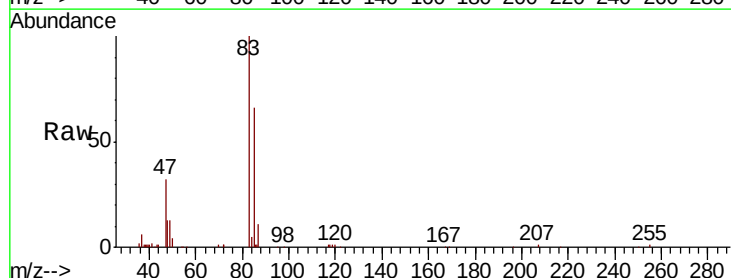
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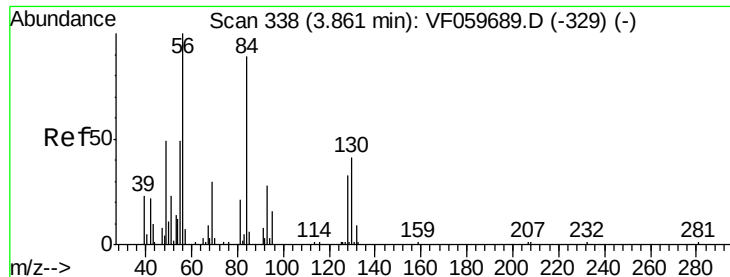
apatel
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#30
Chloroform
Concen: 23.72 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.4	74.0





#31

Cyclohexane

Concen: 26.30 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

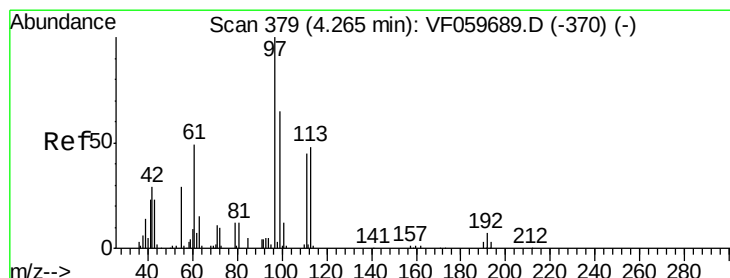
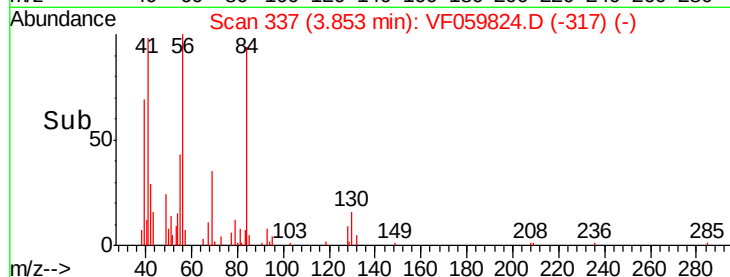
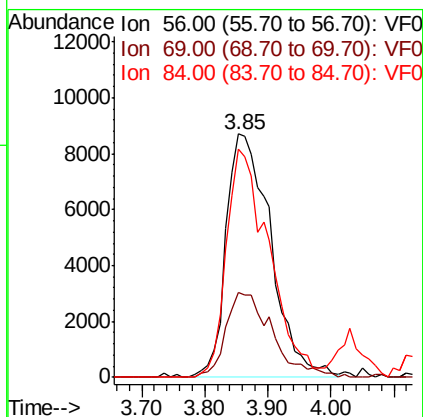
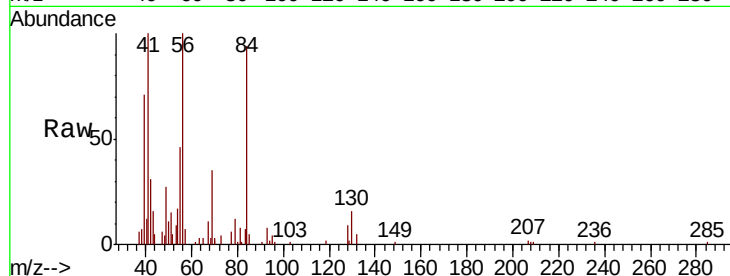
ClientSampleId :

VF0802SBSD02

Tot Ion:	56	Resp:	42767
Ion Ratio	Lower	Upper	
56	100		
69	34.8	23.7	35.5
84	93.9	71.1	106.7

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#32

1,1,1-Trichloroethane

Concen: 23.73 ug/l

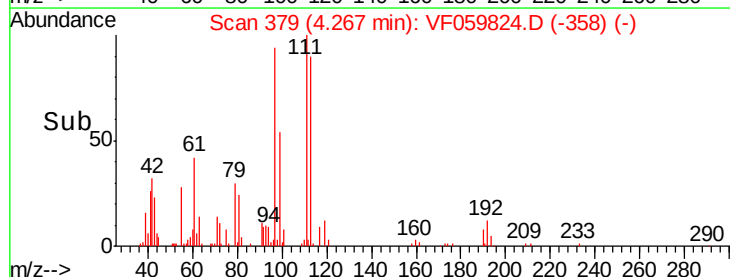
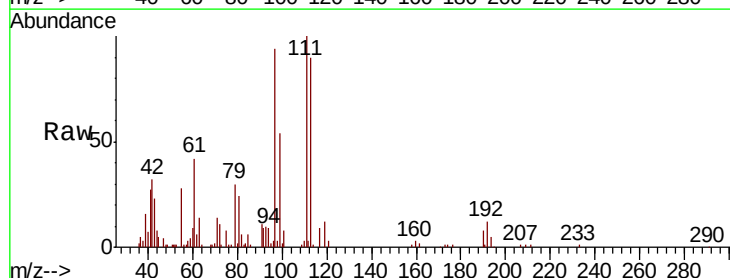
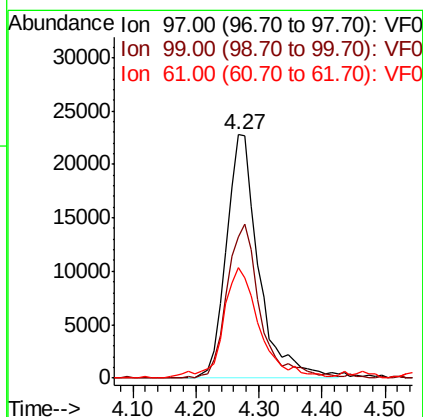
RT: 4.27 min Scan# 379

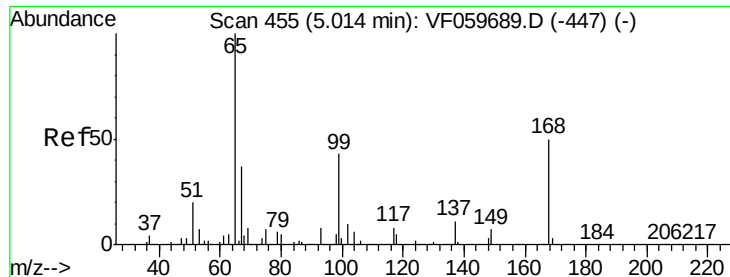
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	97	Resp:	81133
Ion Ratio	Lower	Upper	
97	100		
99	58.0	52.4	78.6
61	45.3	39.7	59.5





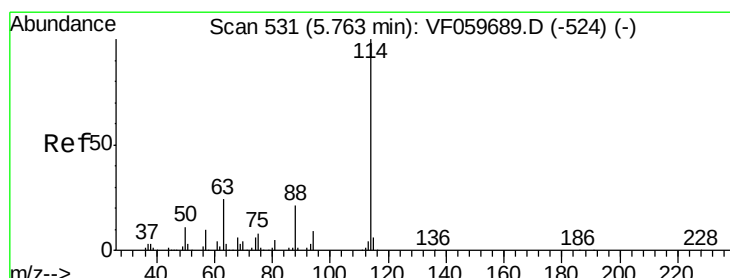
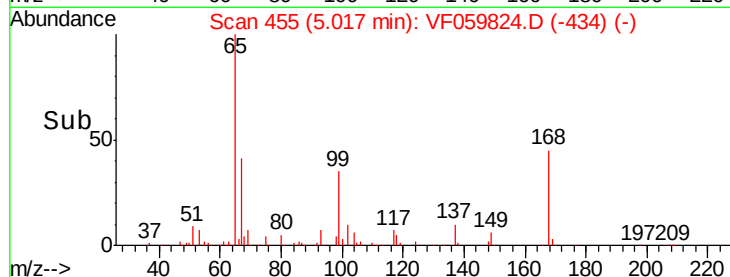
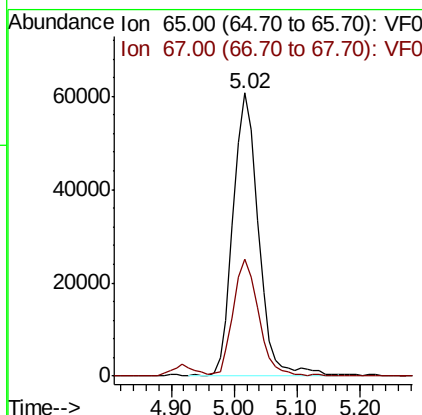
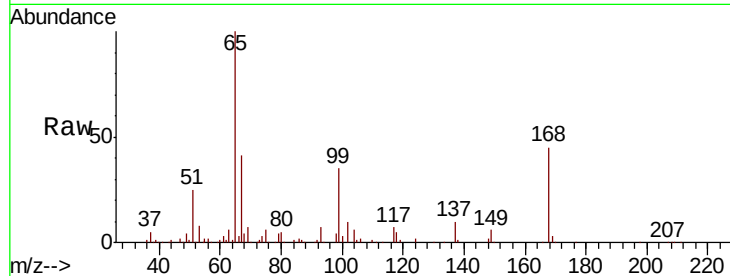
#33
 1,2-Dichloroethane-d4
 Concen: 54.96 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169829		
67	41.4	0.0	84.6	

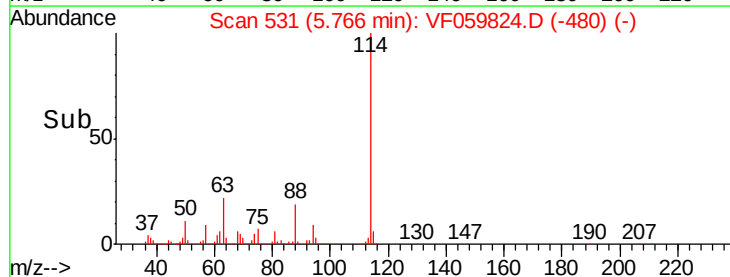
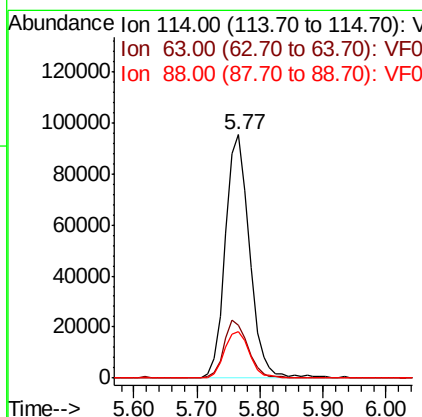
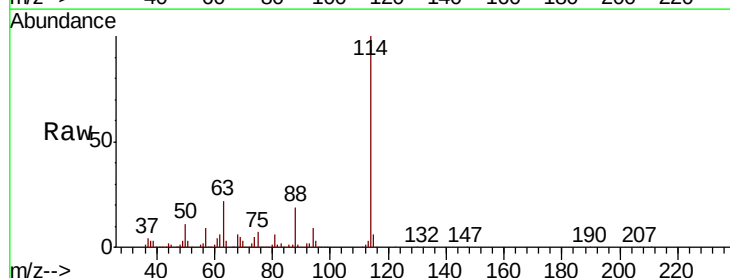
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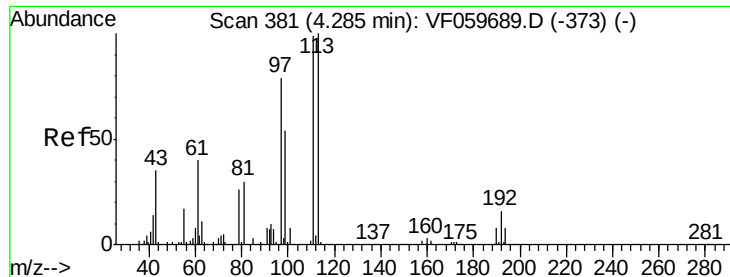
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	254551		
63	21.6	0.0	47.4	
88	19.2	0.0	41.2	





#35

Dibromofluoromethane

Concen: 50.91 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

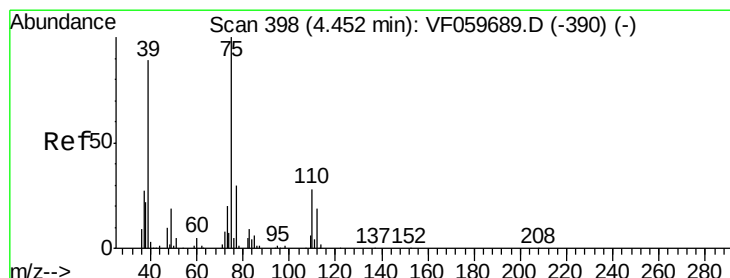
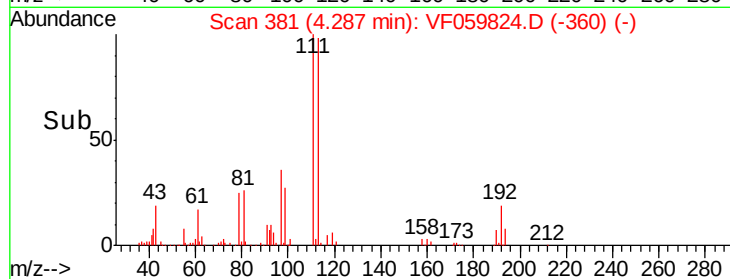
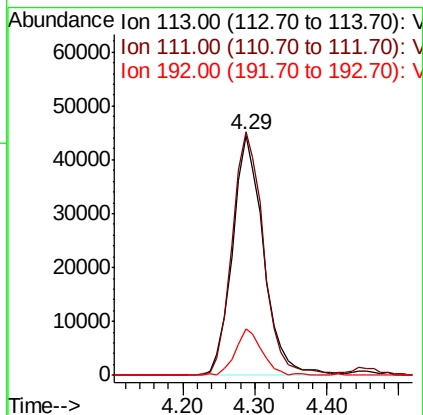
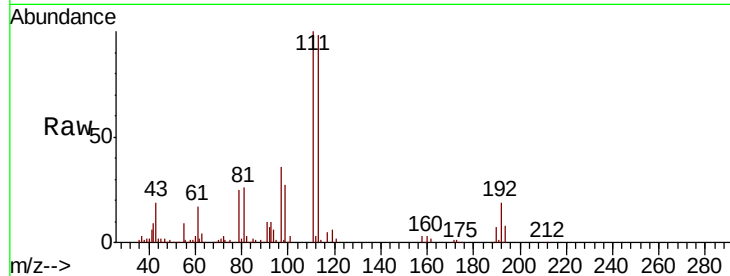
ClientSampleId :

VF0802SBSD02

Tot Ion:	113	Resp:	134613
Ion Ratio	Lower	Upper	
113	100		
111	101.5	79.0	118.4
192	19.6	13.2	19.8

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#36

1,1-Dichloropropene

Concen: 20.60 ug/l

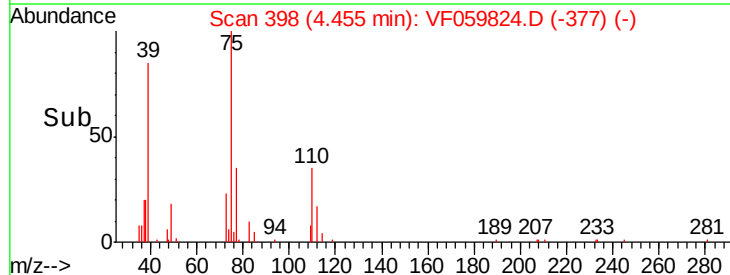
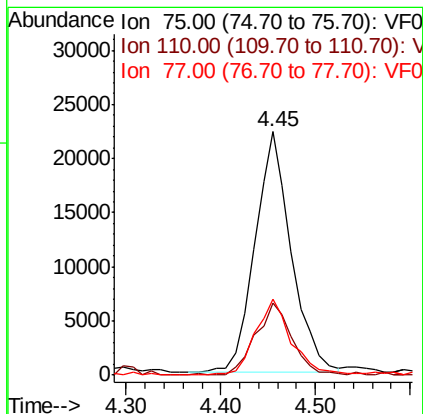
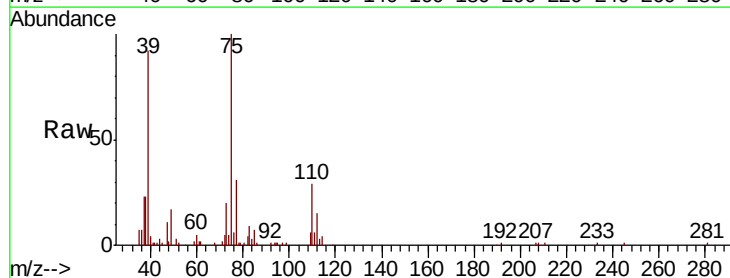
RT: 4.45 min Scan# 398

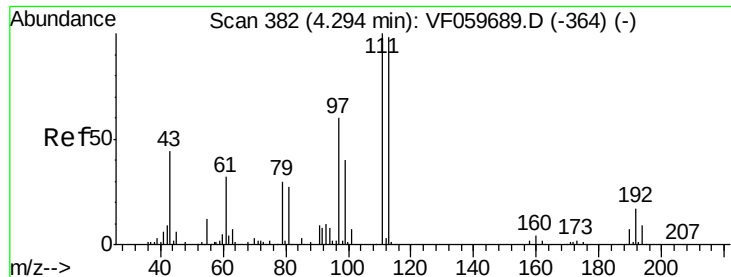
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	75	Resp:	59079
Ion Ratio	Lower	Upper	
75	100		
110	29.5	14.0	41.9
77	31.0	24.2	36.2





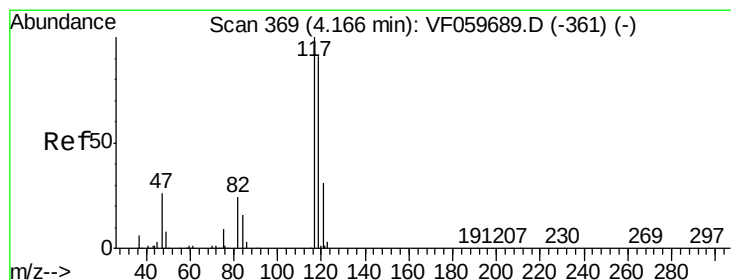
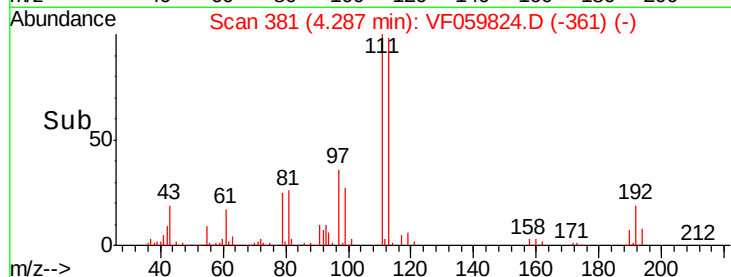
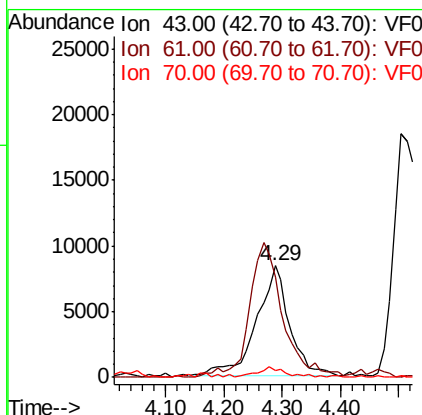
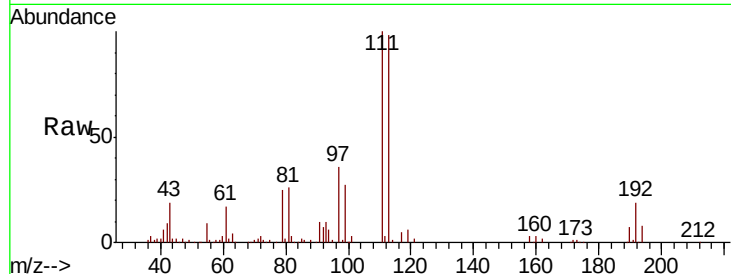
#37
Ethyl Acetate
Concen: 23.80 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	90.1	58.2	87.2#
70	5.7	6.0	9.0#

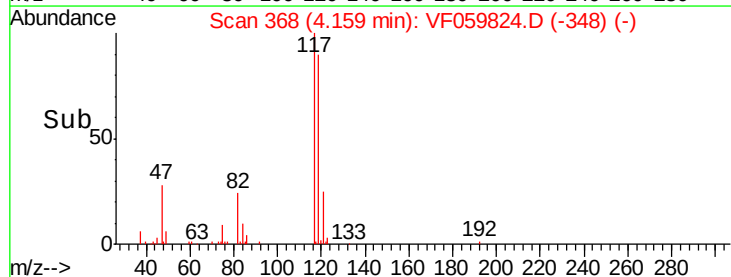
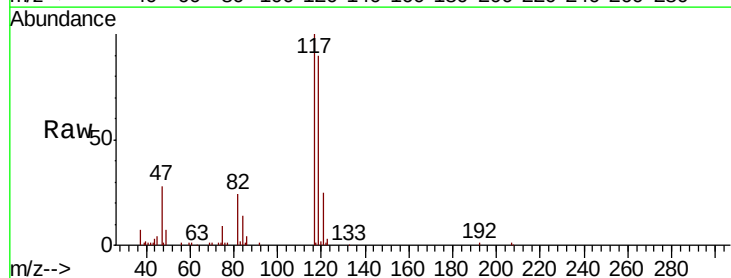
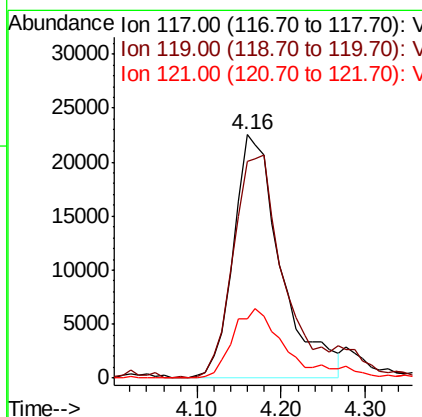
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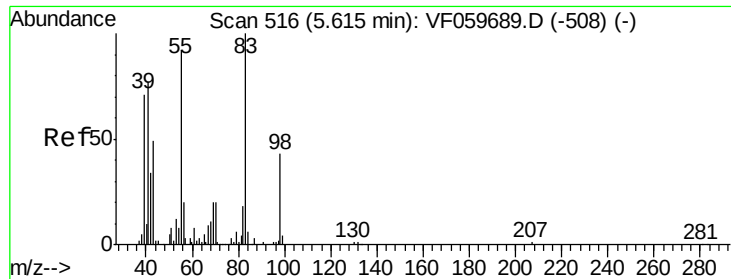
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#38
Carbon Tetrachloride
Concen: 21.96 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.9	72.9	109.3
121	24.6	25.0	37.4#





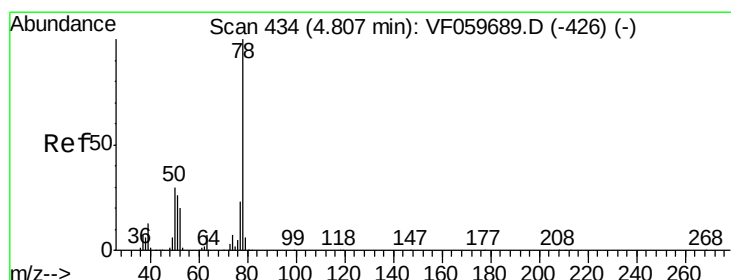
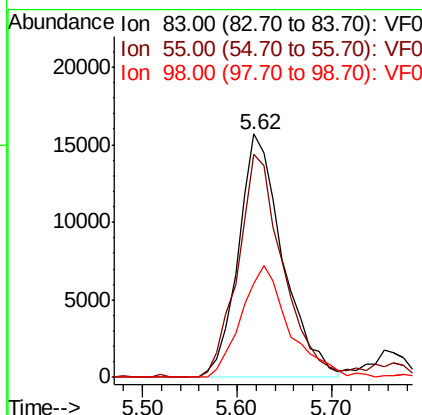
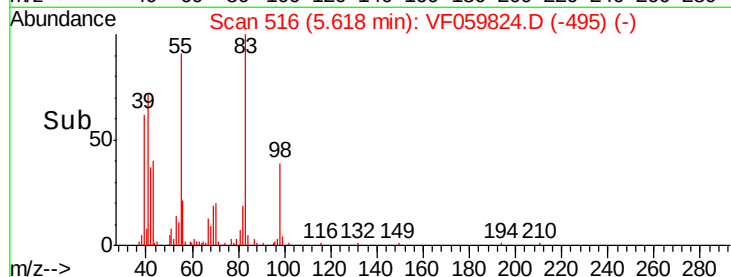
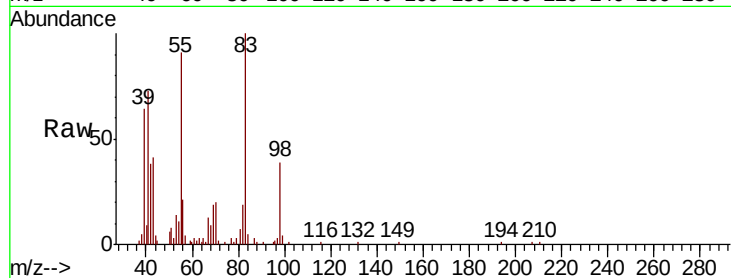
#39
Methylvlcyclohexane
Concen: 23.74 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.4	73.4	110.2
98	38.8	34.2	51.4

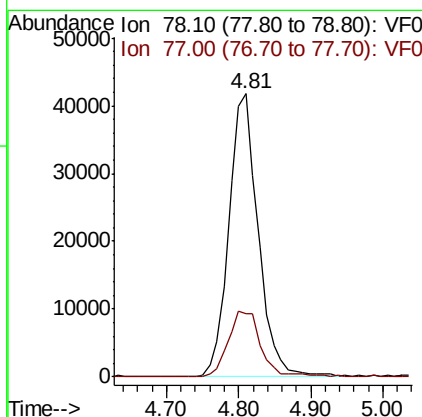
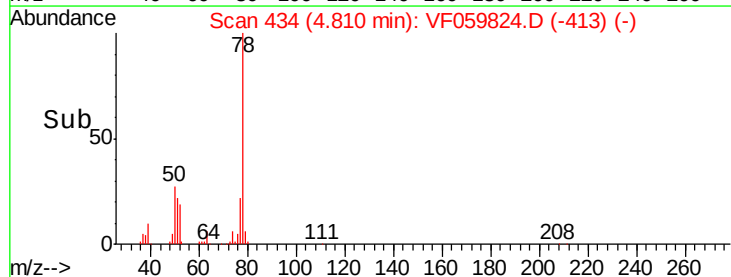
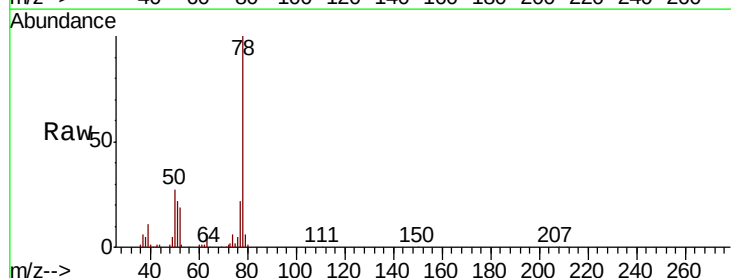
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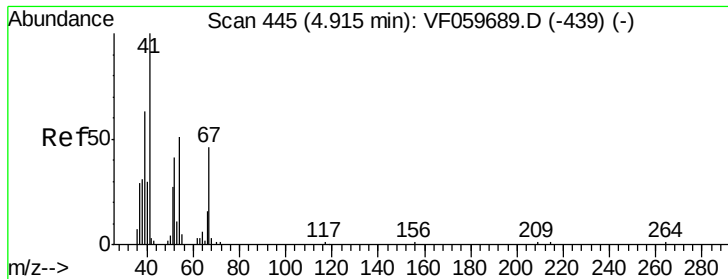
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#40
Benzene
Concen: 23.07 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.9	28.3





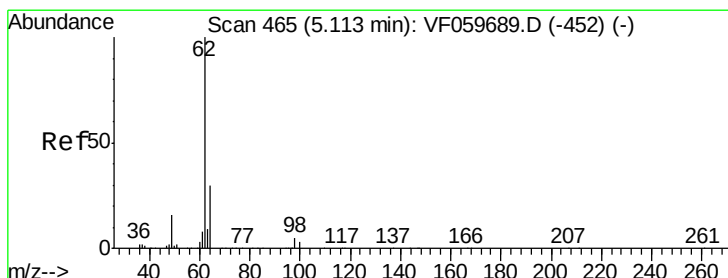
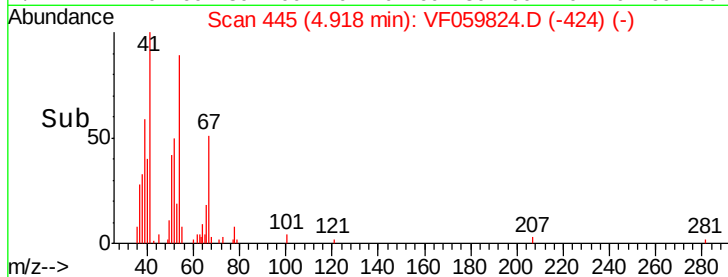
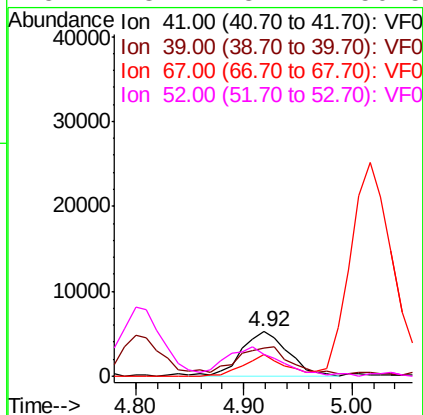
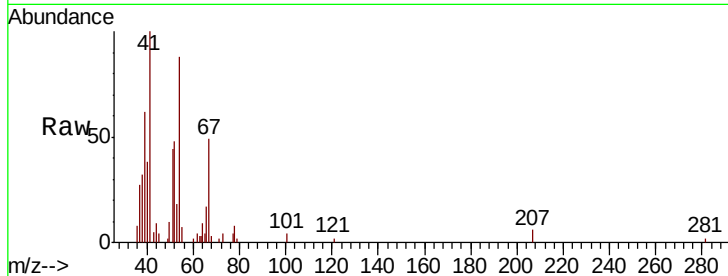
#41
Methacrylonitrile
Concen: 22.70 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.4	55.2	82.8
67	48.6	36.2	54.2
52	48.2	37.7	56.5

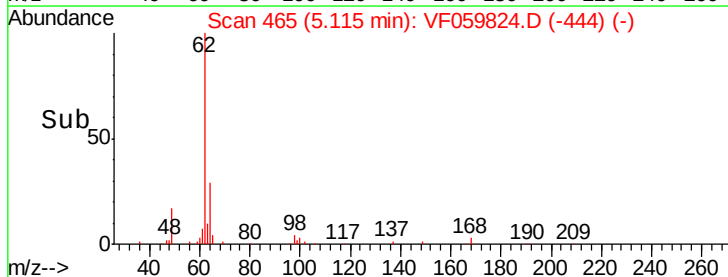
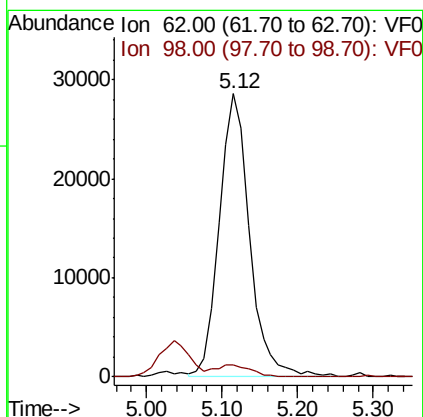
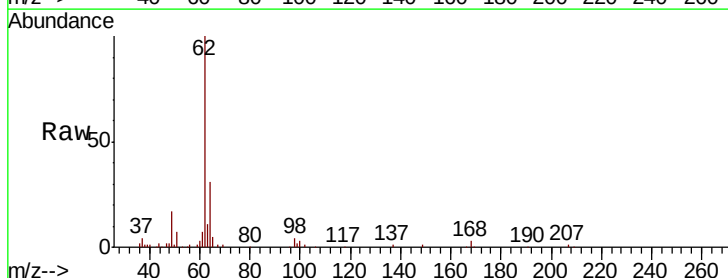
Manual Integrations
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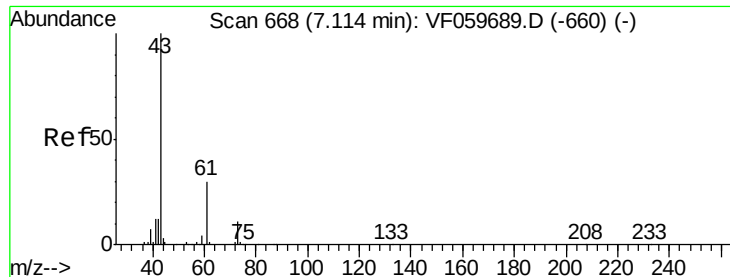
apatel
8/3/2018 4:03:03 PM



#42
1,2-Dichloroethane
Concen: 22.15 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	9.6





#43

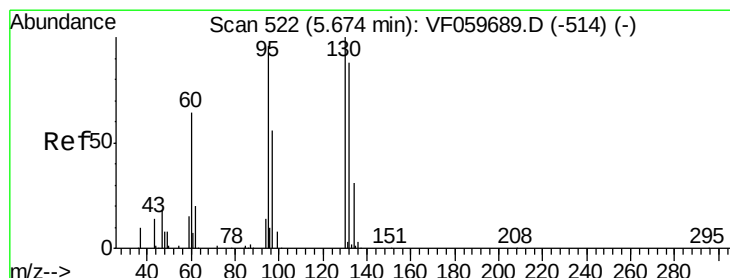
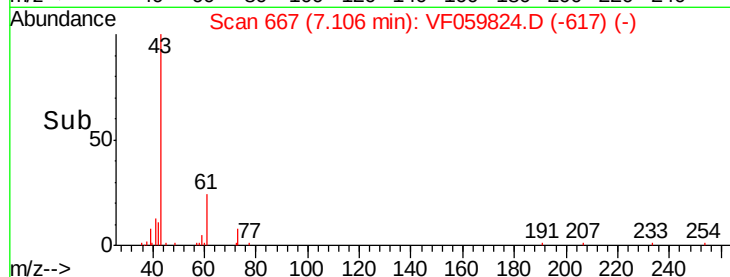
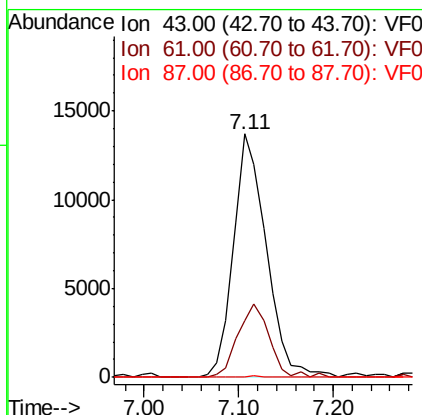
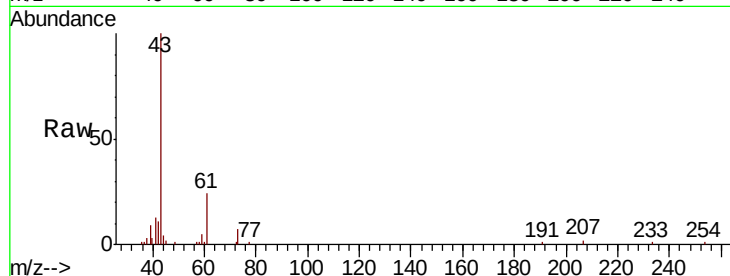
Isopropyl Acetate
 Concen: 21.72 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	23.8	35.8#
87	0.0	0.6	1.0#

Manual Integrations
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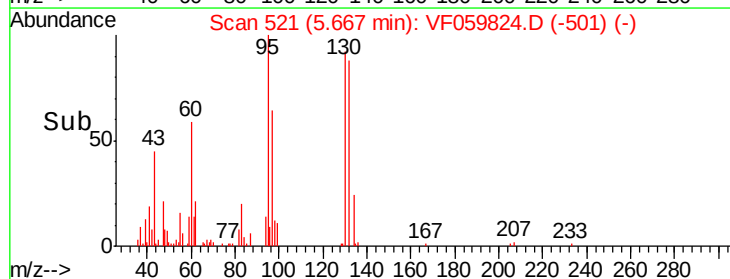
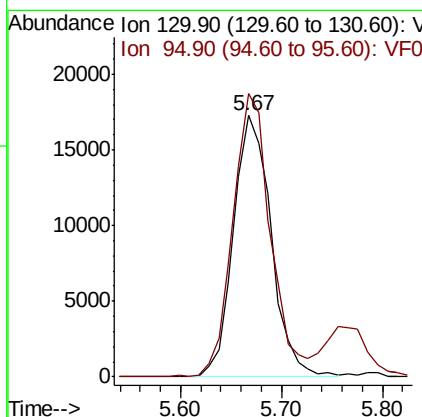
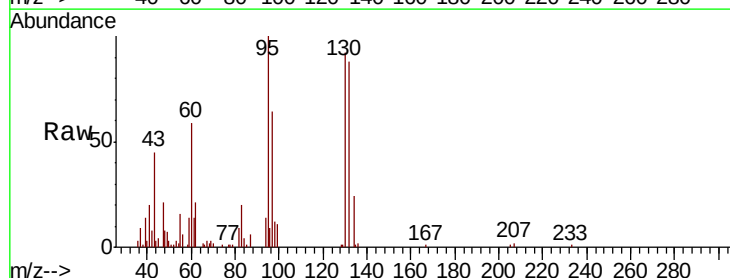
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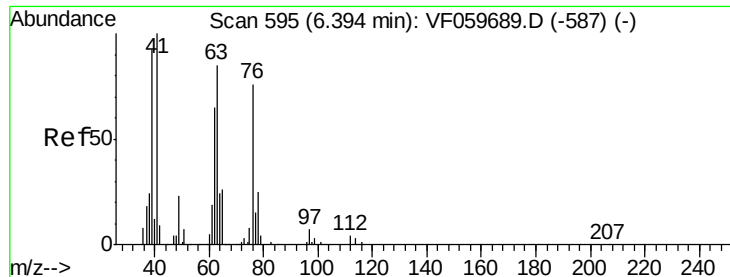


#44

Trichloroethene
 Concen: 23.29 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	191.0





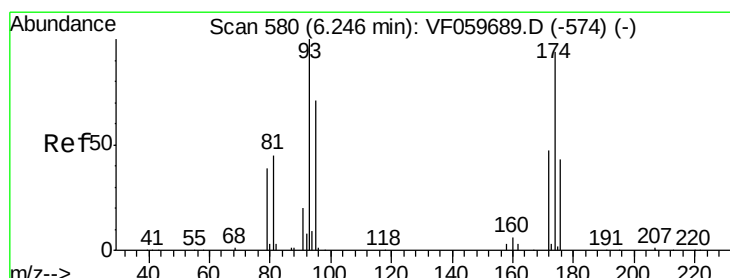
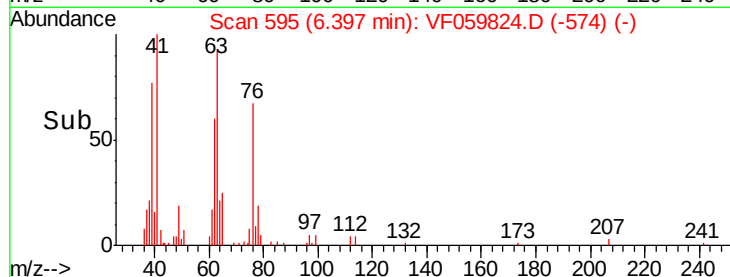
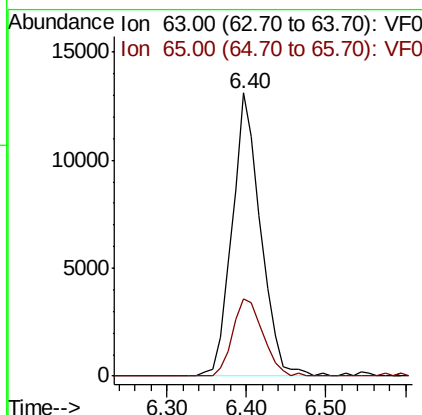
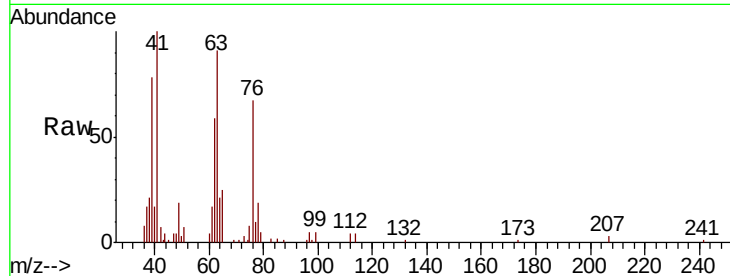
#45
 1,2-Dichloropropane
 Concen: 24.00 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.1	25.2	37.8

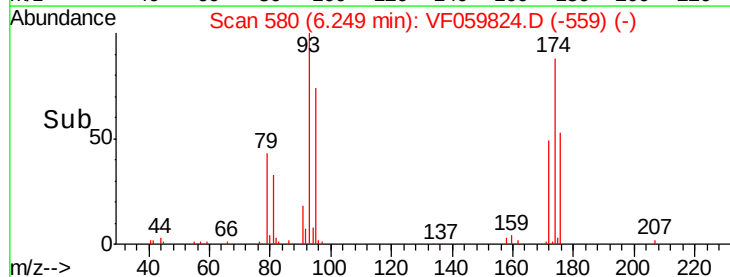
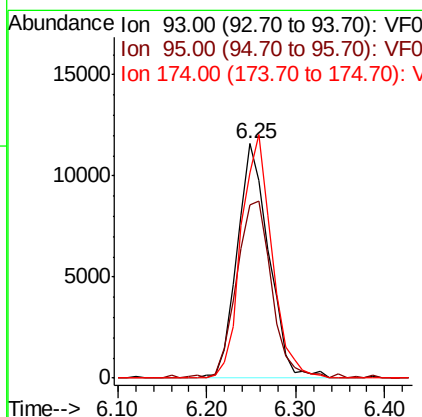
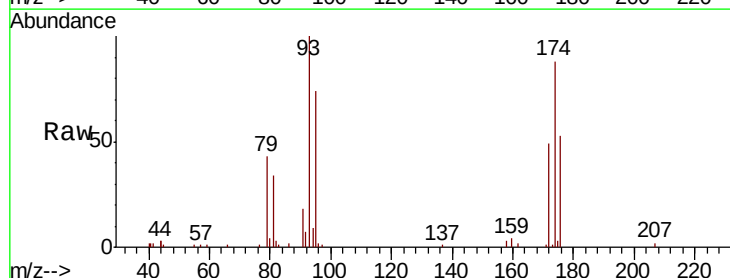
Manual Integrations
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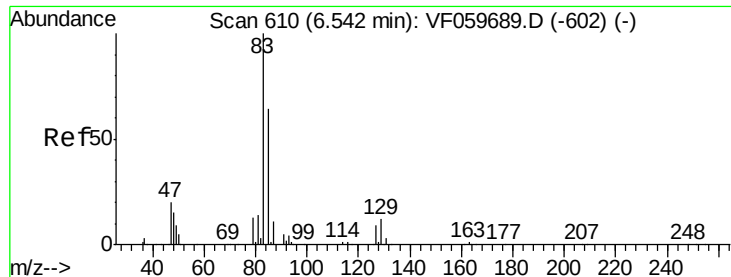
apatel
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#46
 Dibromomethane
 Concen: 22.25 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	73.8	57.1	85.7
174	87.6	74.8	112.2





#47

Bromodichloromethane

Concen: 21.62 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

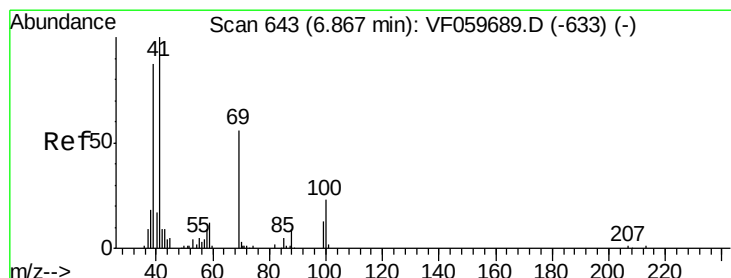
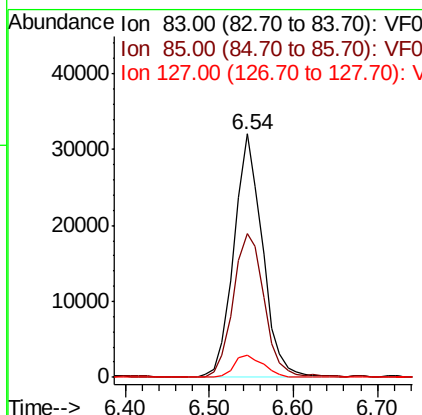
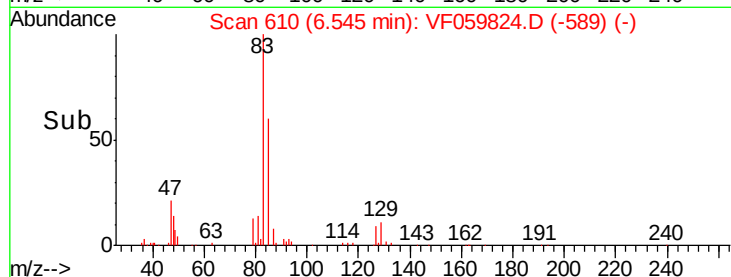
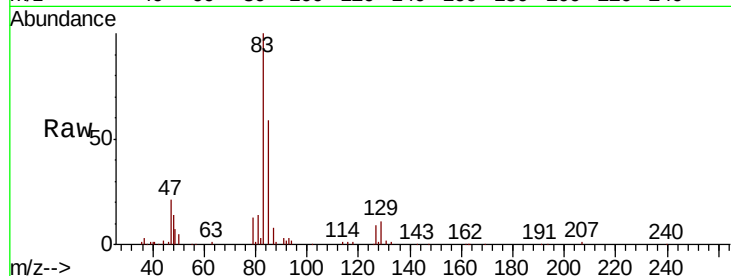
ClientSampleId :

VF0802SBSD02

Tot Ion:	83	Resp:	75868
Ion	Ratio	Lower	Upper
83	100		
85	59.3	51.0	76.6
127	9.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.05 ug/l

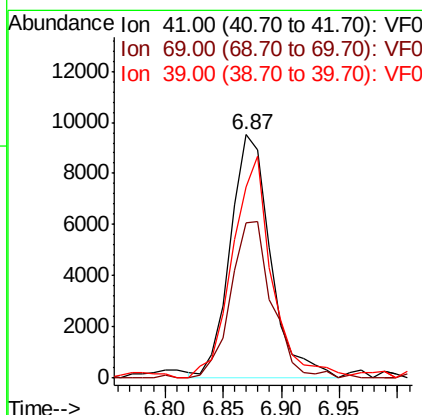
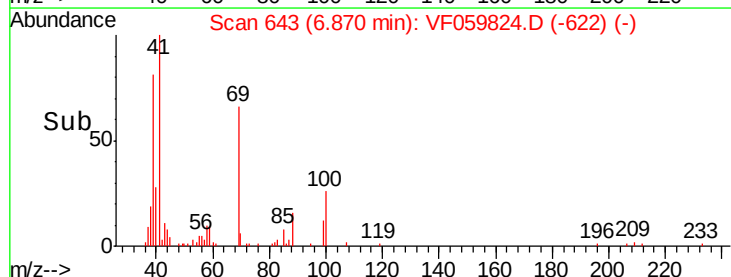
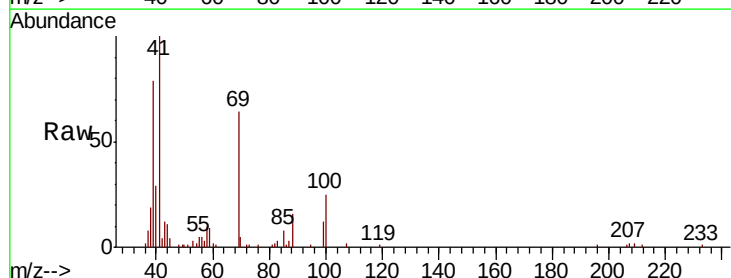
RT: 6.87 min Scan# 643

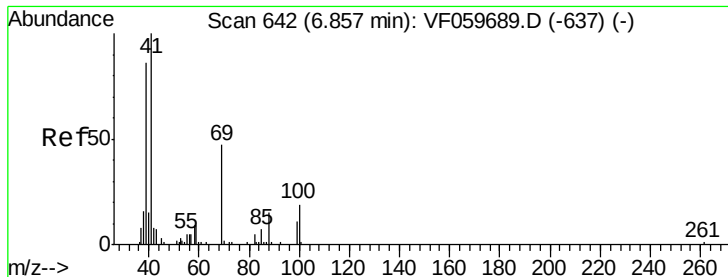
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	41	Resp:	22951
Ion	Ratio	Lower	Upper
41	100		
69	63.7	44.4	66.6
39	78.6	69.4	104.2





#49

1,4-Dioxane

Concen: 487.16 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

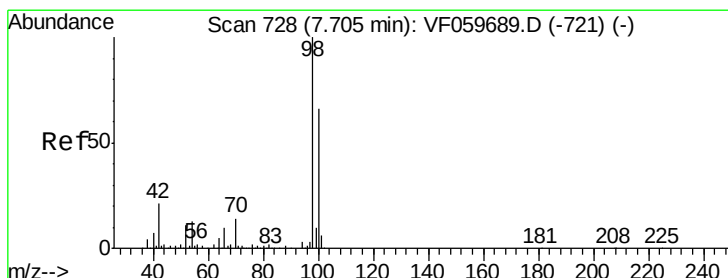
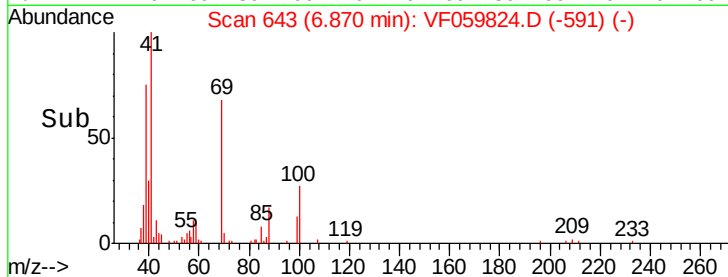
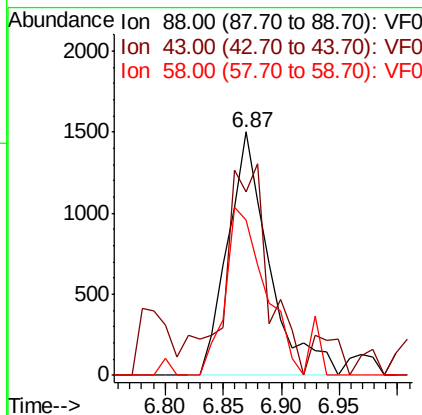
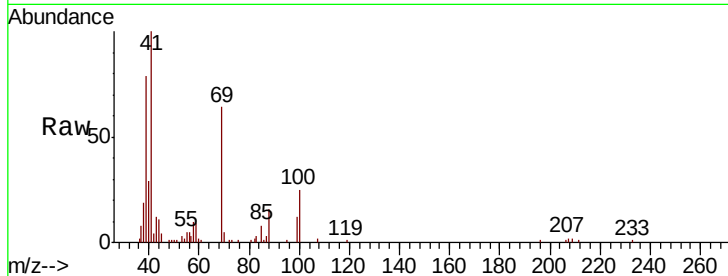
ClientSampleId :

VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	75.1	45.2	67.8#
58	63.6	49.0	73.6

Manual Integrations
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#50

Toluene-d8

Concen: 51.09 ug/l

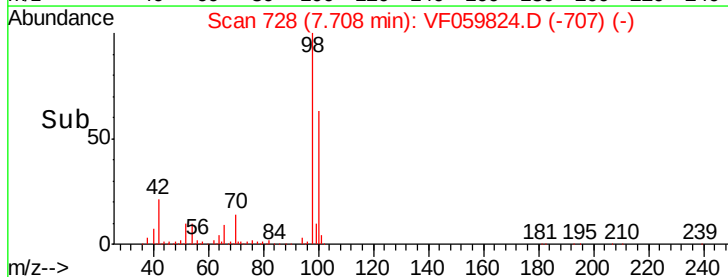
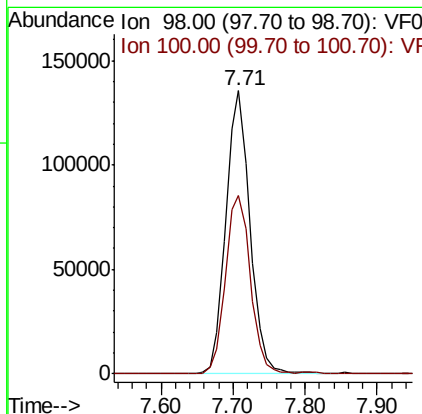
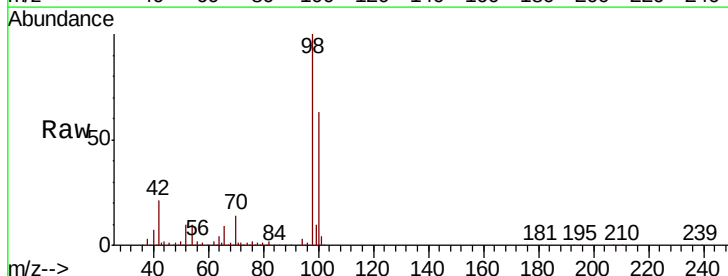
RT: 7.71 min Scan# 728

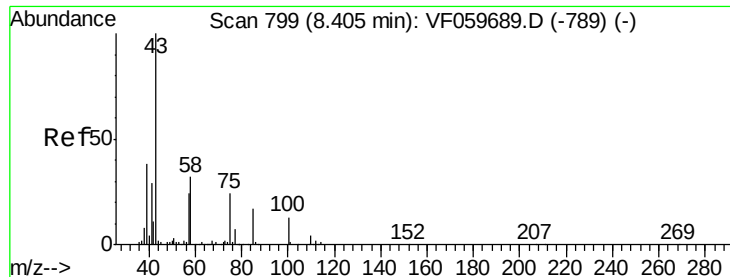
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 117.16 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 43 Resp: 135650

Ion Ratio Lower Upper

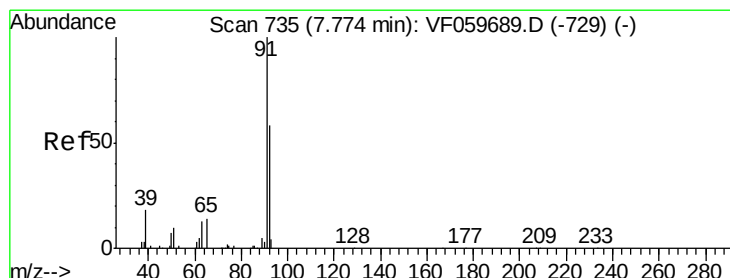
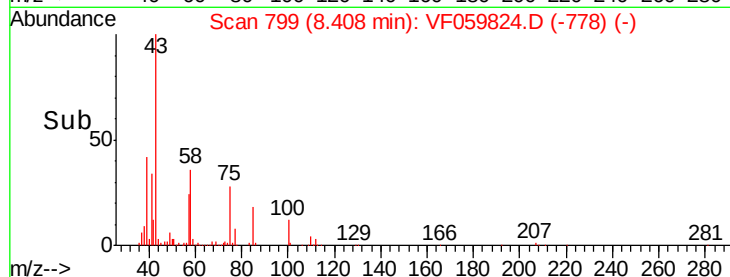
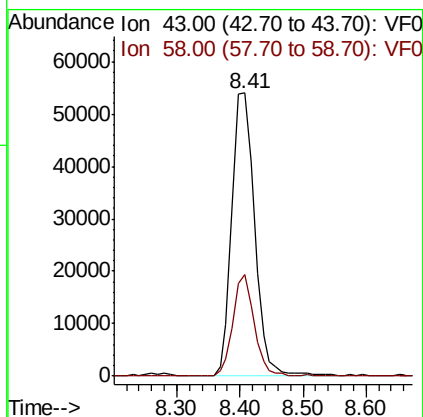
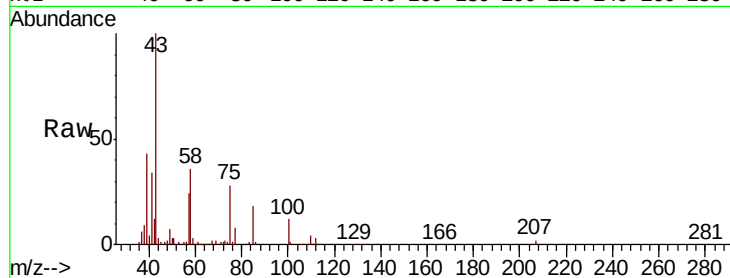
43 100

58 35.7 25.9 38.9

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#52

Toluene

Concen: 24.33 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059824.D

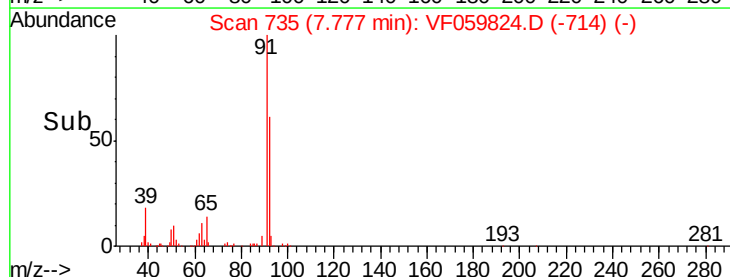
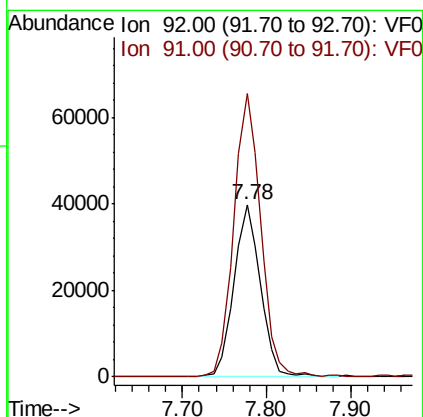
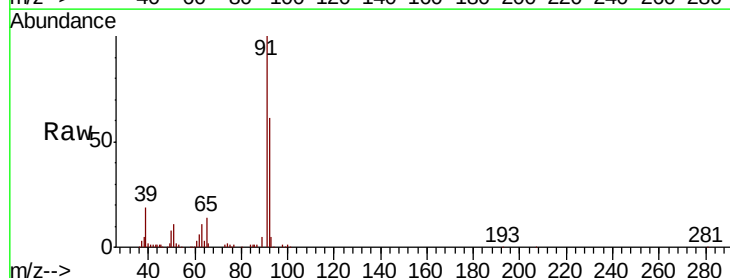
Acq: 3 Aug 2018 3:58

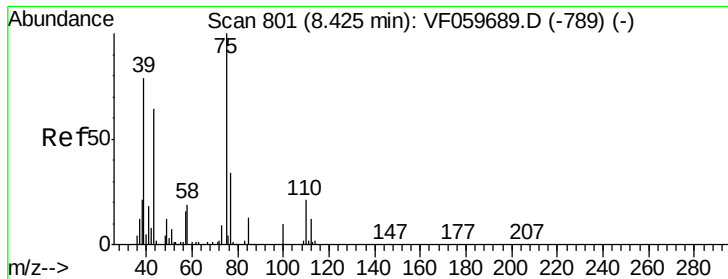
Tgt Ion: 92 Resp: 87897

Ion Ratio Lower Upper

92 100

91 164.1 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 21.26 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 75 Resp: 64753

Ion Ratio Lower Upper

75 100

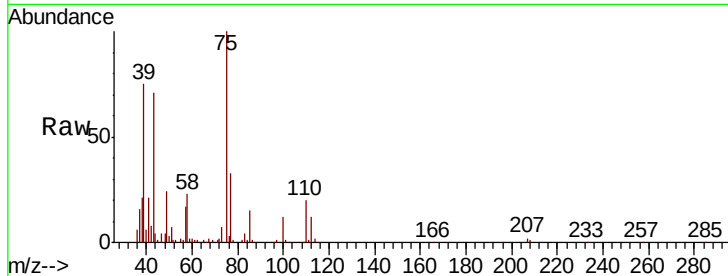
77 32.7 27.0 40.4

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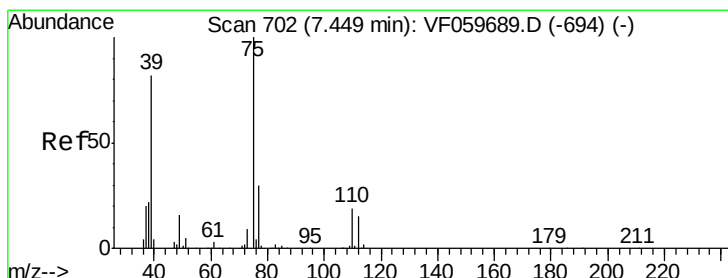
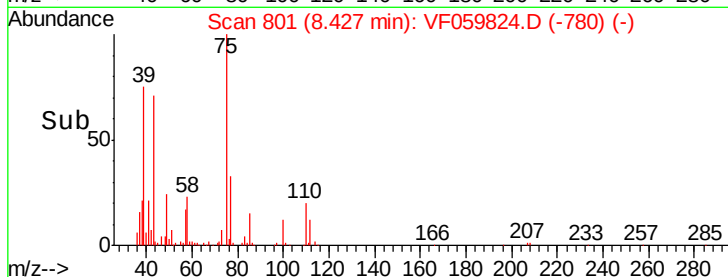
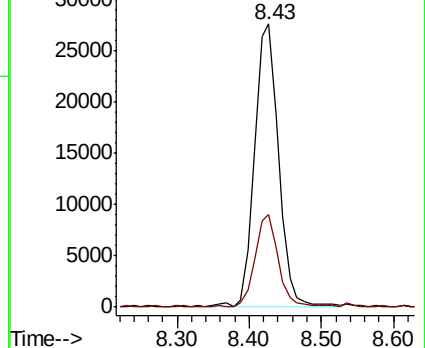
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.89 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

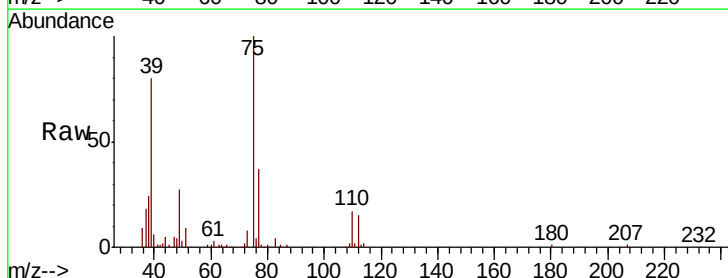
Tgt Ion: 75 Resp: 61630

Ion Ratio Lower Upper

75 100

77 37.4 24.0 36.0#

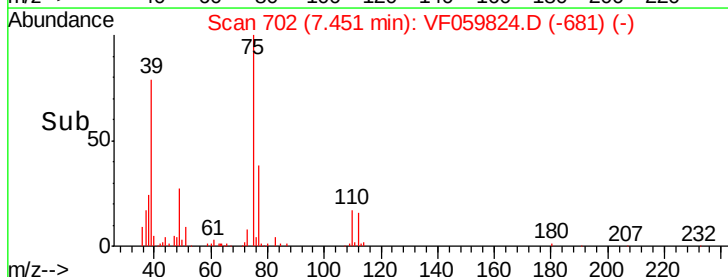
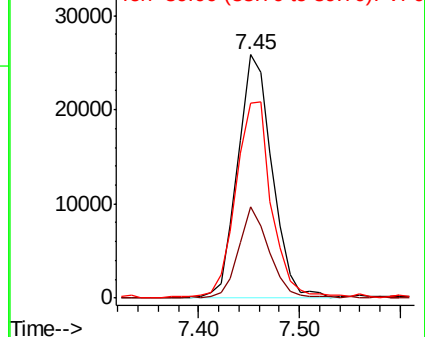
39 80.2 65.4 98.2

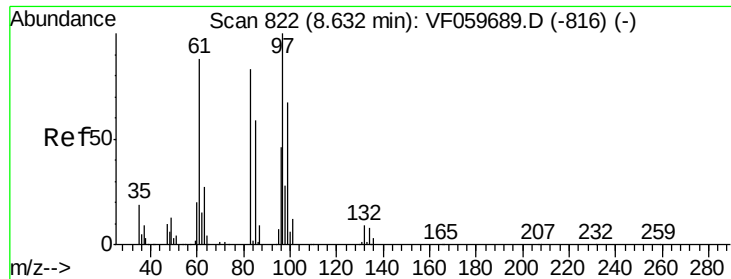


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.59 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

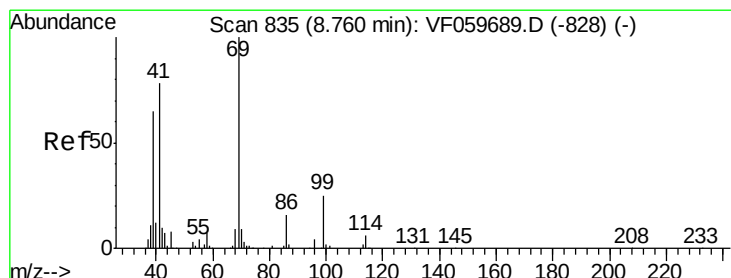
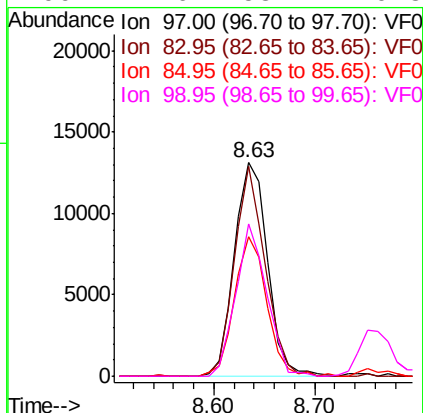
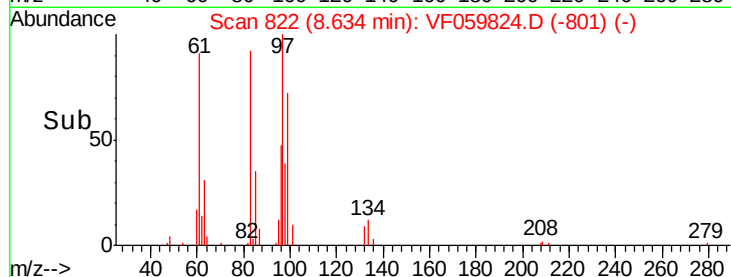
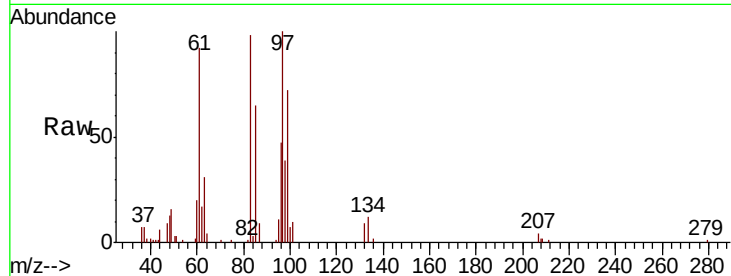
ClientSampleId :

VF0802SBSD02

Tot Ion:	97	Resp:	30052
Ion	Ratio	Lower	Upper
97	100		
83	98.4	66.6	100.0
85	65.3	47.4	71.0
99	71.6	53.2	79.8

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#56

Ethyl methacrylate

Concen: 22.43 ug/l

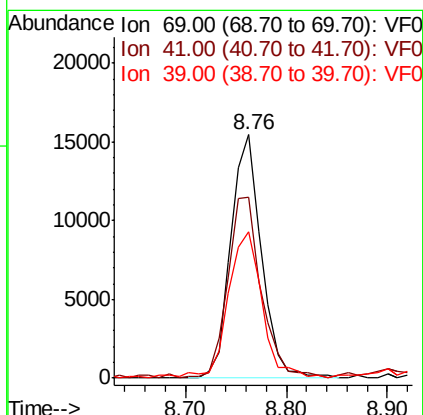
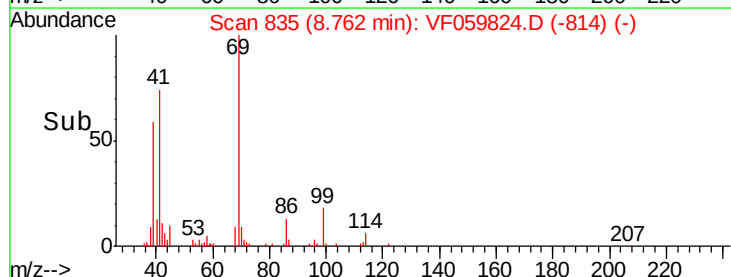
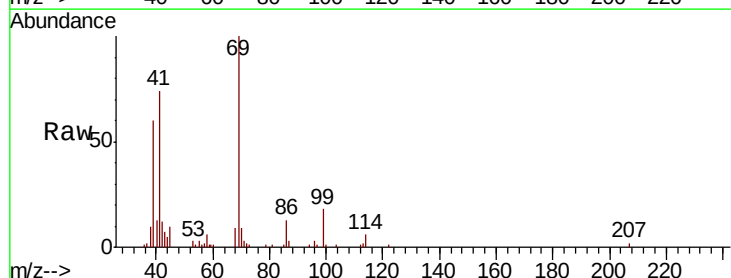
RT: 8.76 min Scan# 835

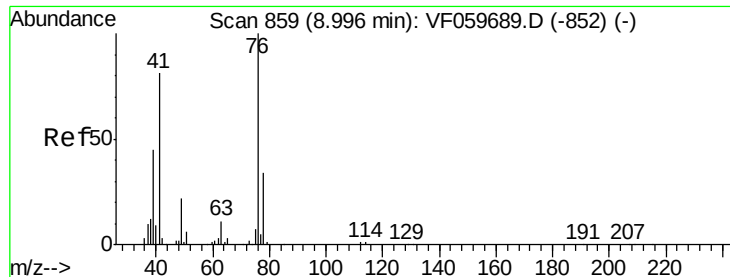
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	69	Resp:	32565
Ion	Ratio	Lower	Upper
69	100		
41	74.1	62.3	93.5
39	60.1	52.4	78.6





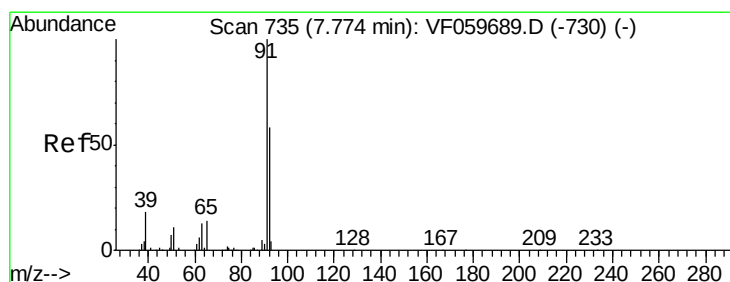
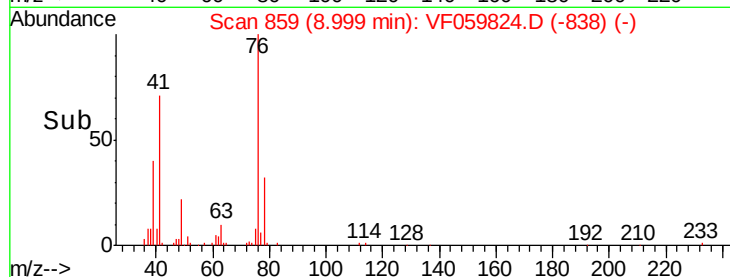
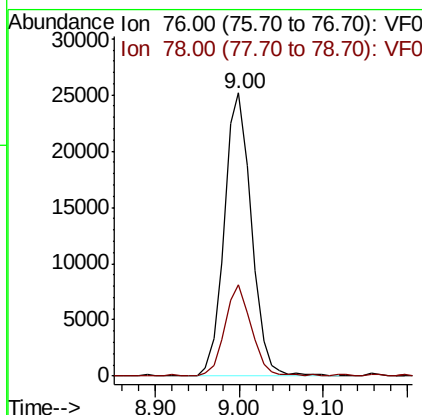
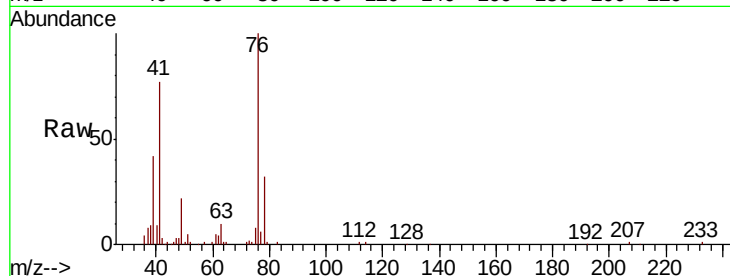
#57
 1,3-Dichloropropane
 Concen: 23.64 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	27.2	40.8

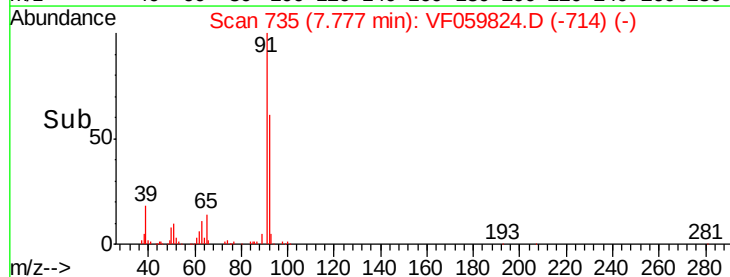
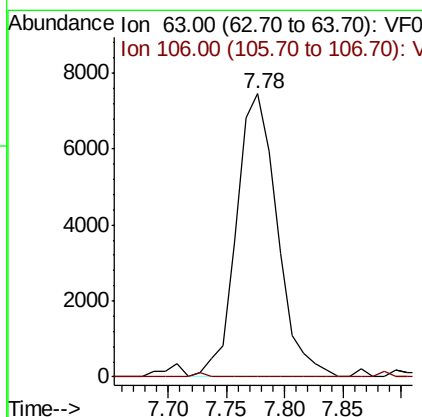
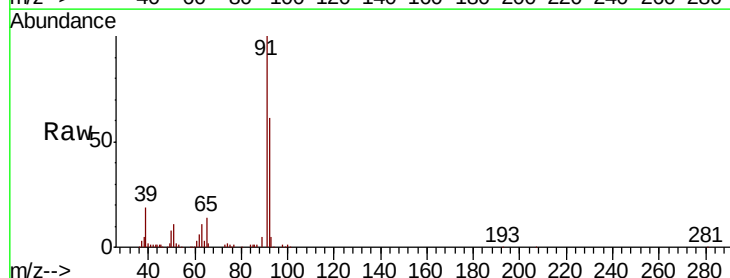
Manual Integrations
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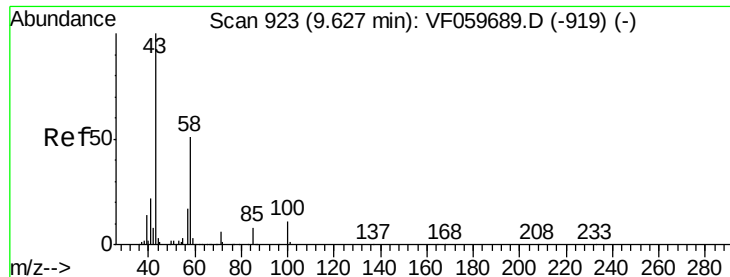
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#58
 2-Chloroethyl Vinyl ether
 Concen: 108.23 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





#59

2-Hexanone

Concen: 107.97 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 43 Resp: 100178

Ion Ratio Lower Upper

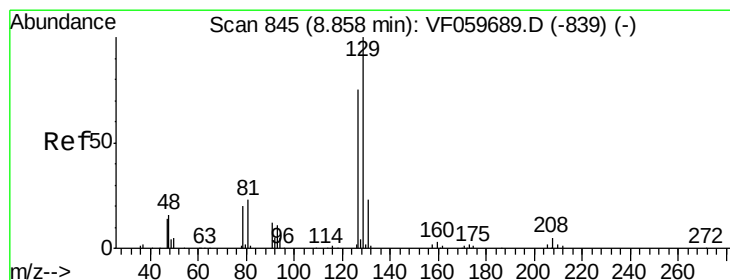
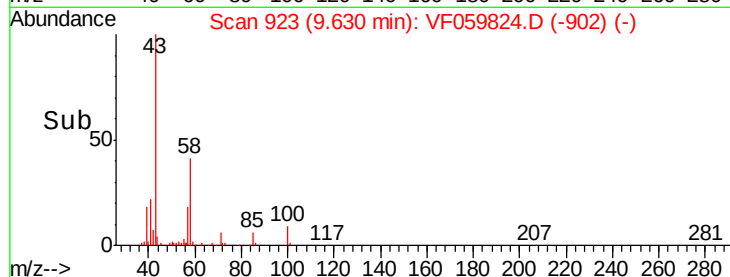
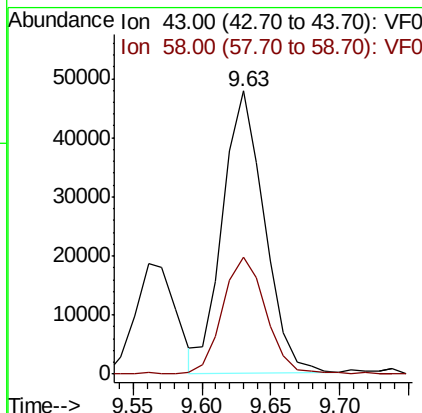
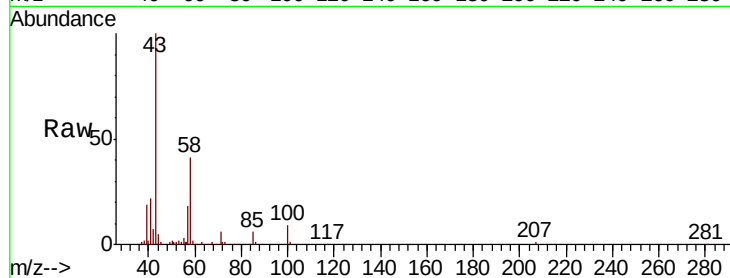
43 100

58 41.3 23.3 69.8

Manual Integrations
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#60

Dibromochloromethane

Concen: 21.62 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.00 min

Lab File: VF059824.D

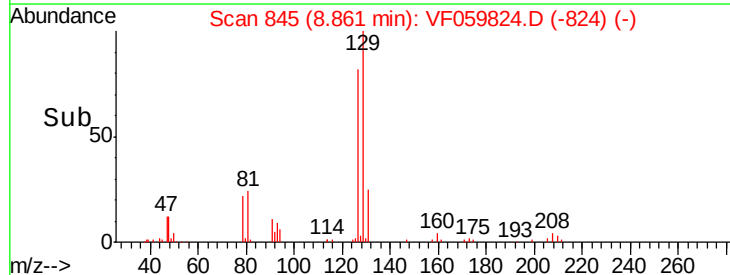
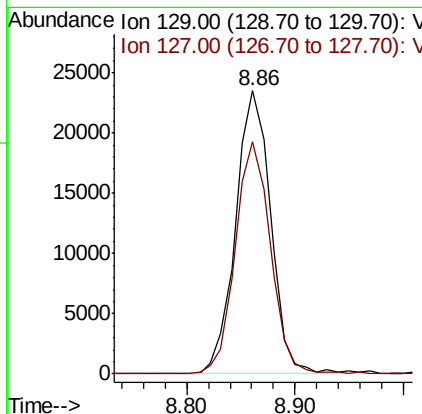
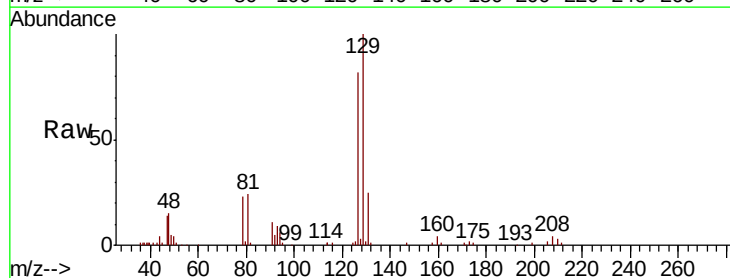
Acq: 3 Aug 2018 3:58

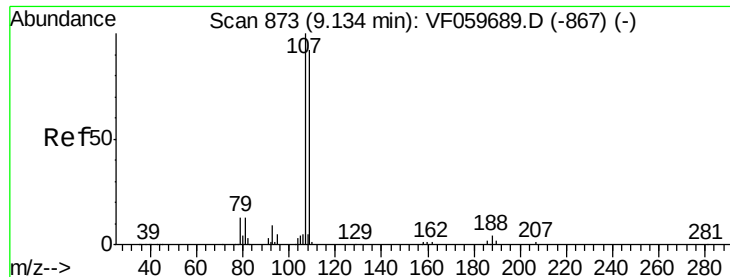
Tgt Ion: 129 Resp: 53123

Ion Ratio Lower Upper

129 100

127 82.0 37.7 113.1





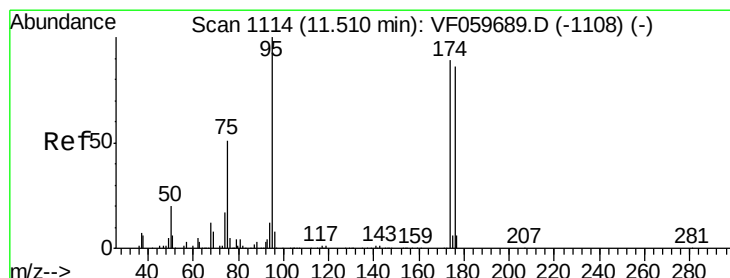
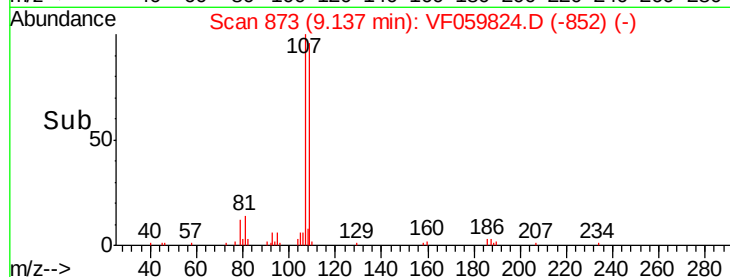
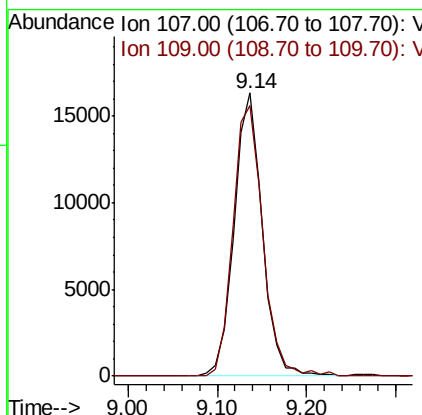
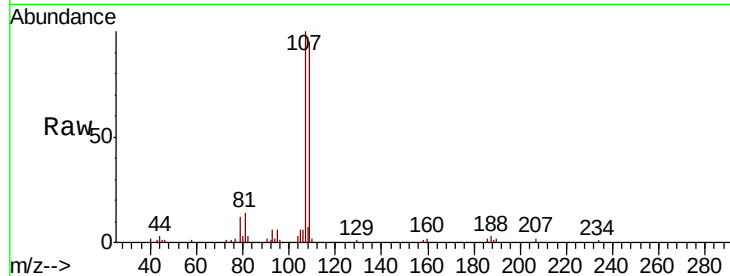
#61
 1,2-Dibromoethane
 Concen: 22.15 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion: 107 Resp: 36017
 Ion Ratio Lower Upper
 107 100
 109 95.5 73.6 110.4

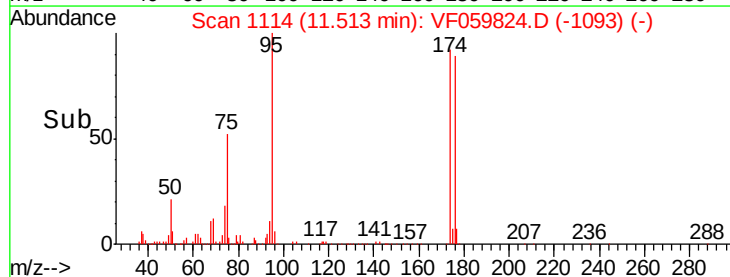
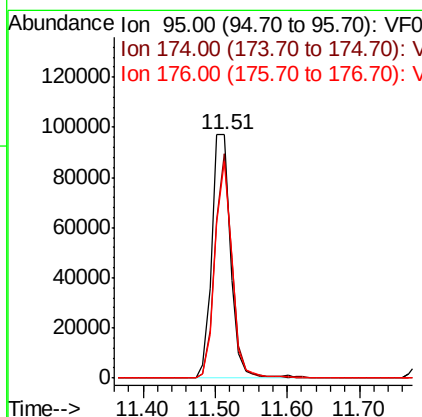
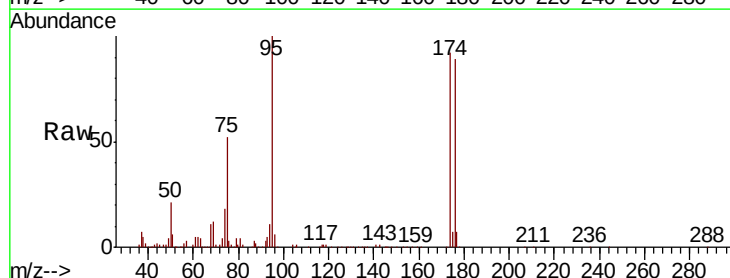
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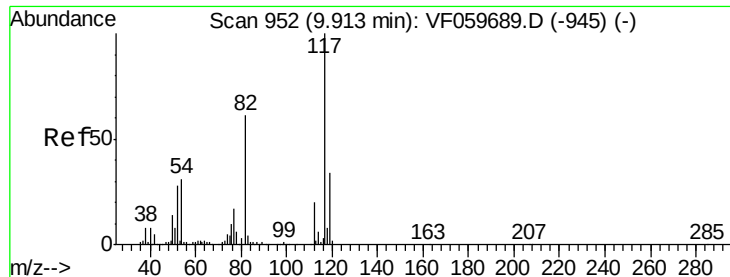
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.08 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion: 95 Resp: 174357
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 178.4
 176 88.9 0.0 173.0





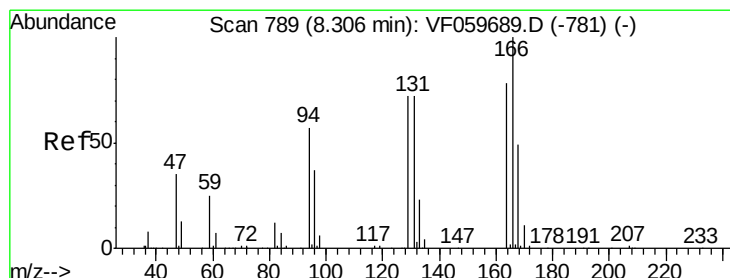
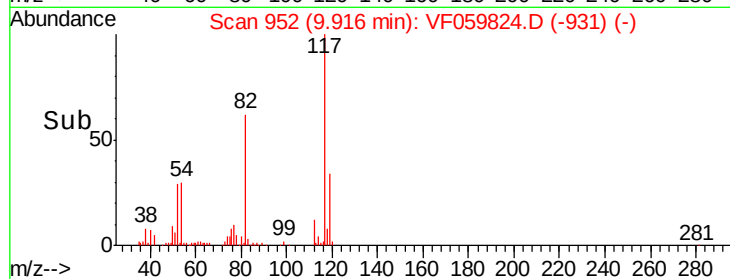
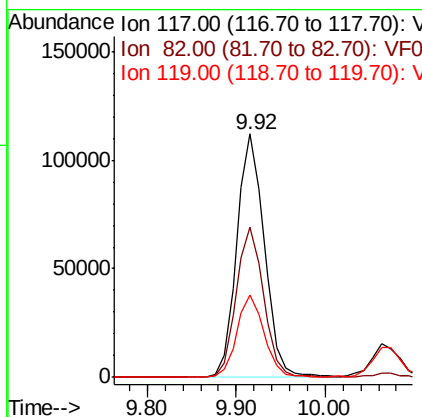
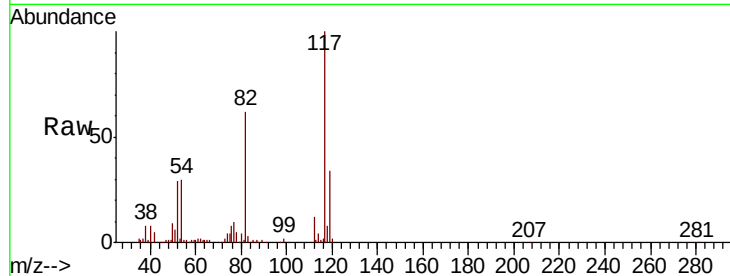
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion:	117	Resp:	242565
Ion Ratio	Lower	Upper	
117	100		
82	61.9	49.0	73.4
119	33.6	27.3	40.9

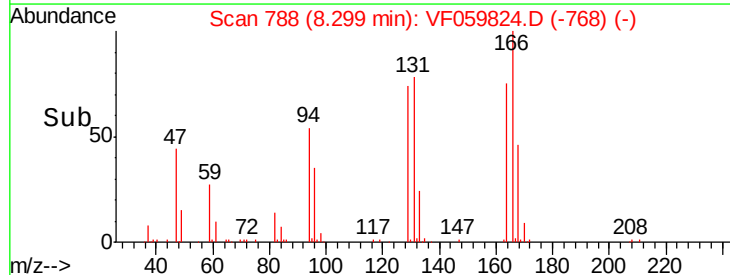
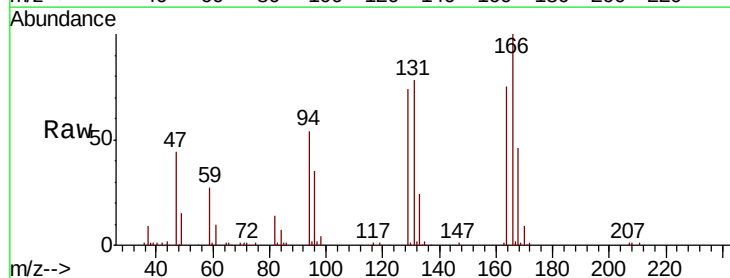
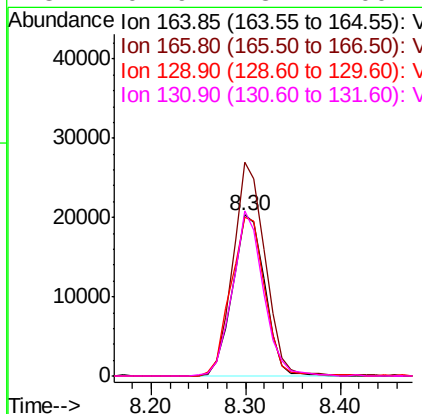
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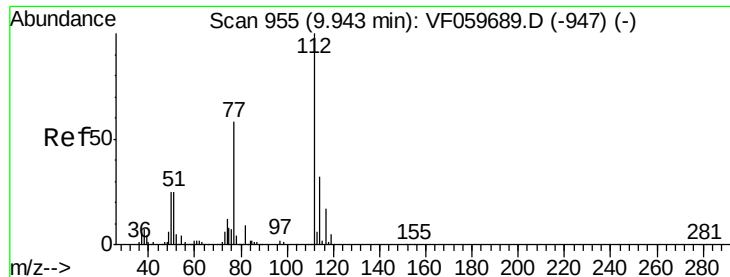
apatel
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#64
Tetrachloroethene
Concen: 27.27 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion:	164	Resp:	47948
Ion Ratio	Lower	Upper	
164	100		
166	132.7	102.1	153.1
129	98.8	73.8	110.6
131	102.9	73.1	109.7





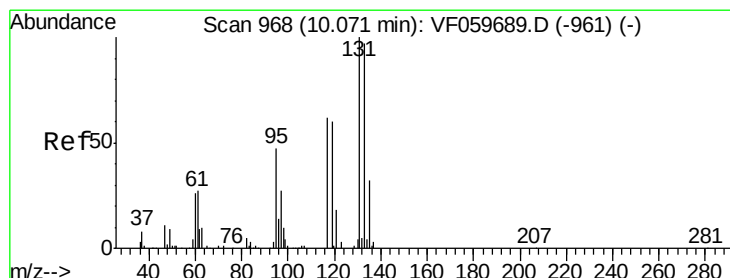
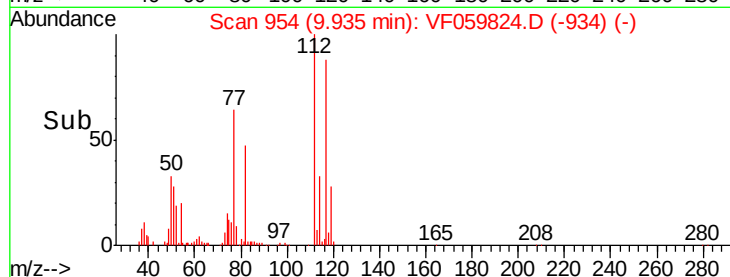
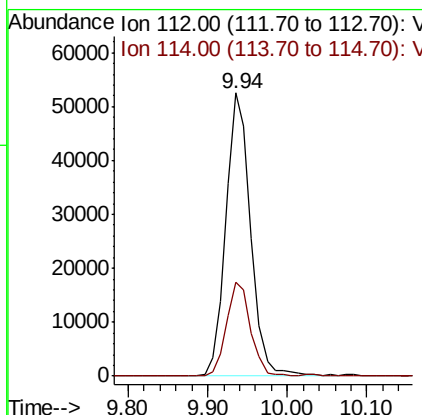
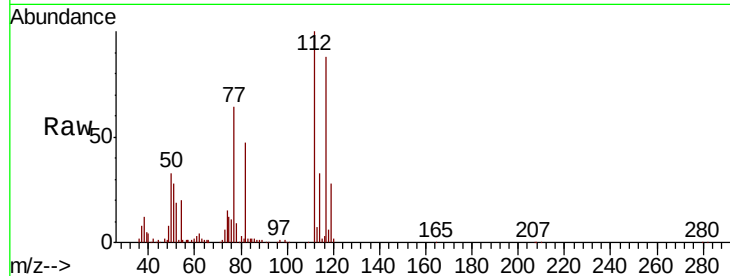
#65
Chlorobenzene
Concen: 23.71 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.6	38.4

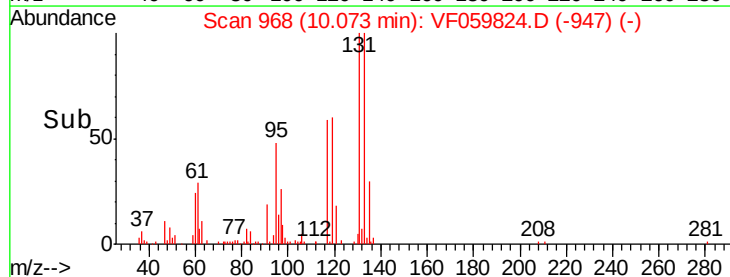
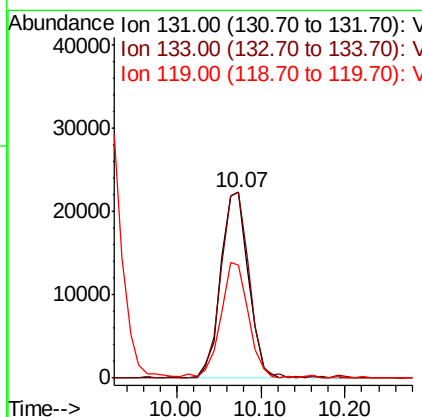
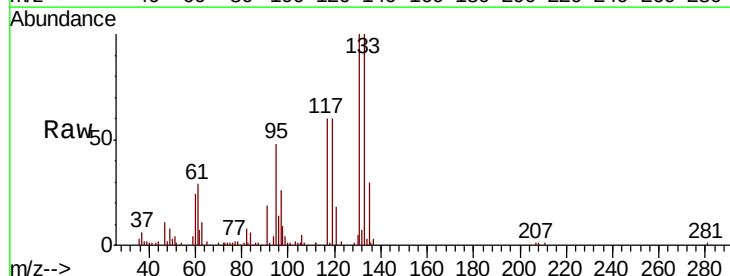
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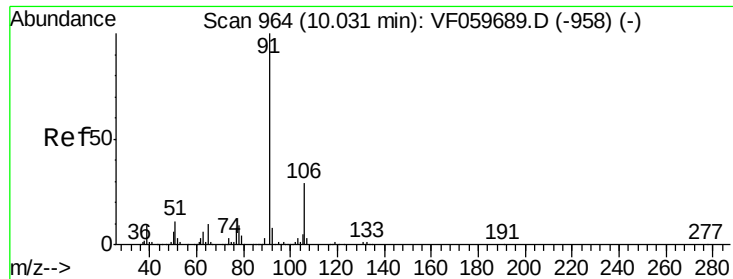
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.58 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.3	48.5	145.5
119	60.6	30.3	90.8





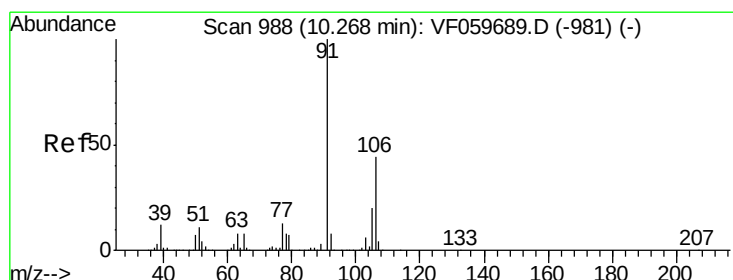
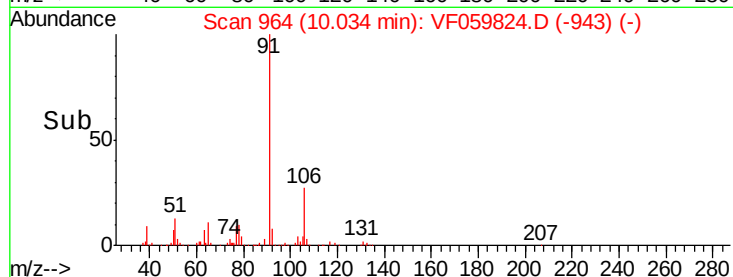
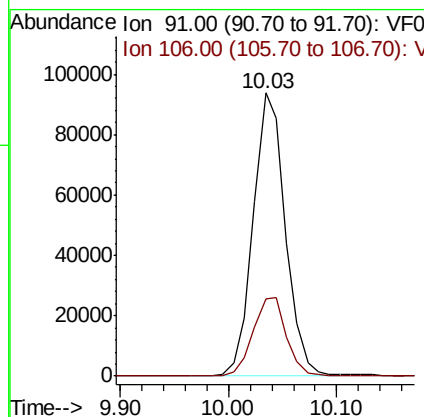
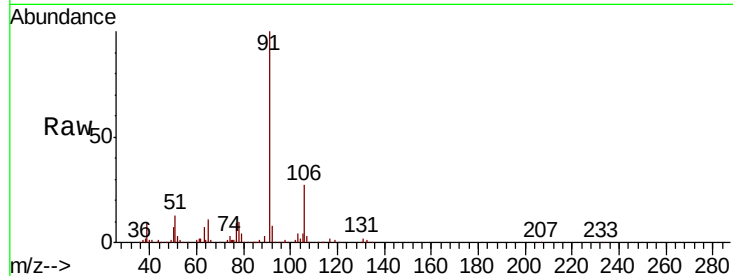
#67
Ethyl Benzene
Concen: 23.22 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion: 91 Resp: 194947
Ion Ratio Lower Upper
91 100
106 27.3 22.9 34.3

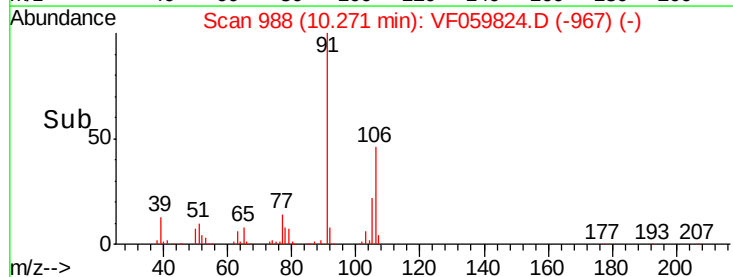
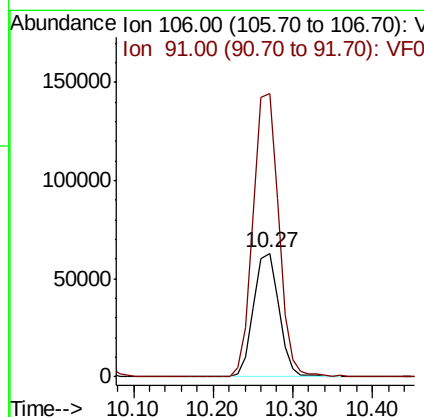
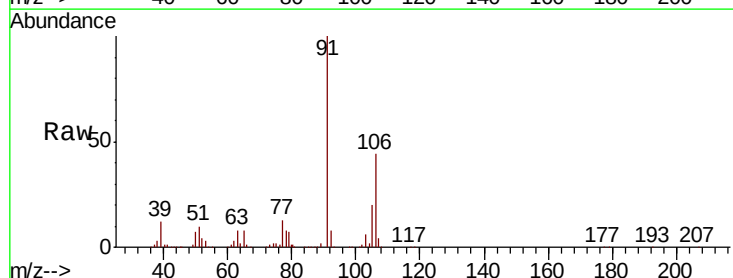
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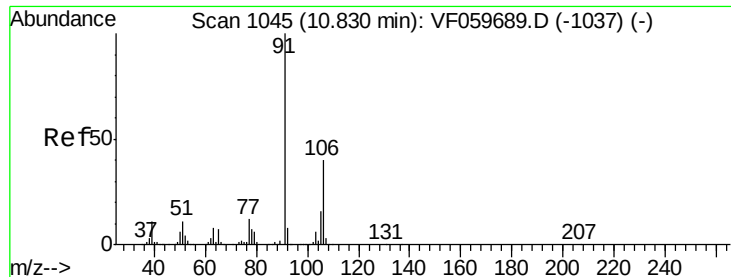
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#68
m/p-Xylenes
Concen: 48.44 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 106 Resp: 137721
Ion Ratio Lower Upper
106 100
91 228.9 181.7 272.5





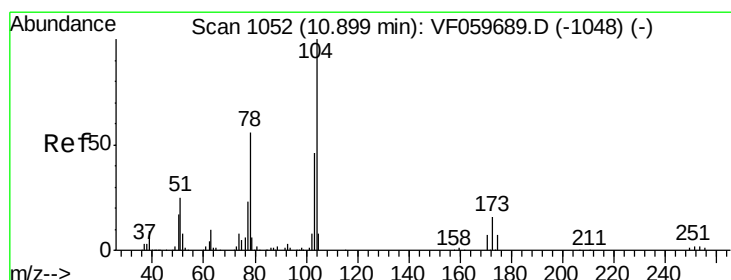
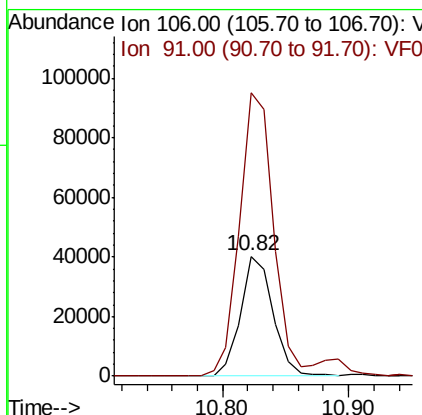
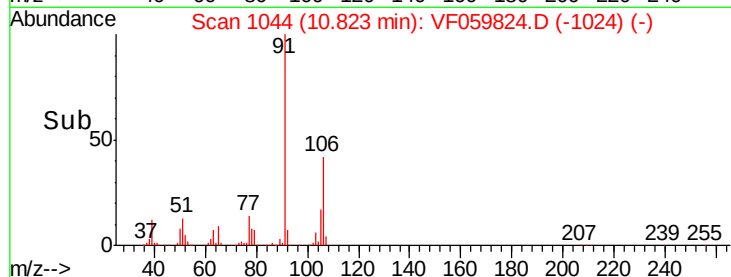
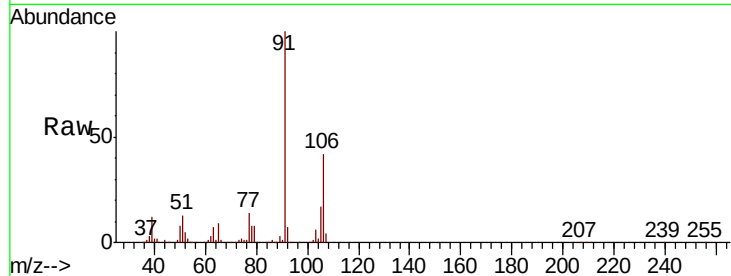
#69
o-Xylene
Concen: 23.34 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		72195		
91	236.5	124.6	373.7		

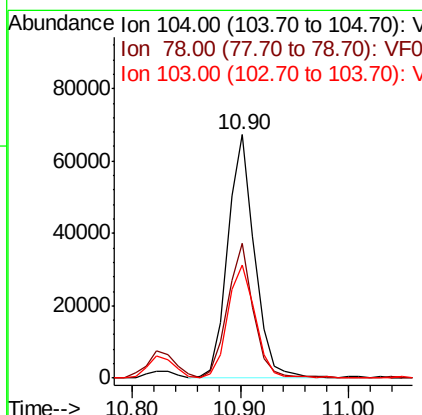
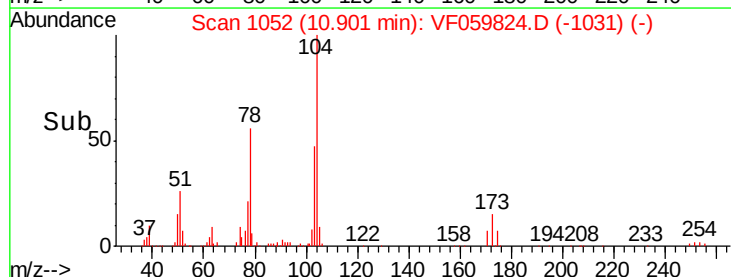
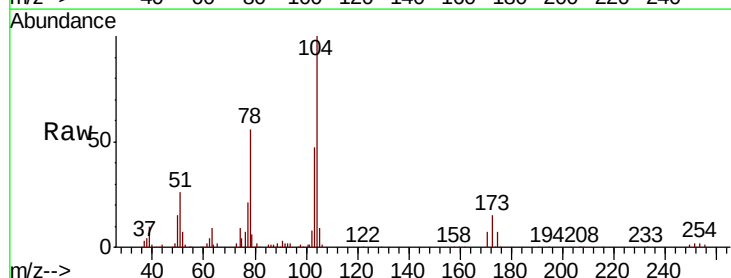
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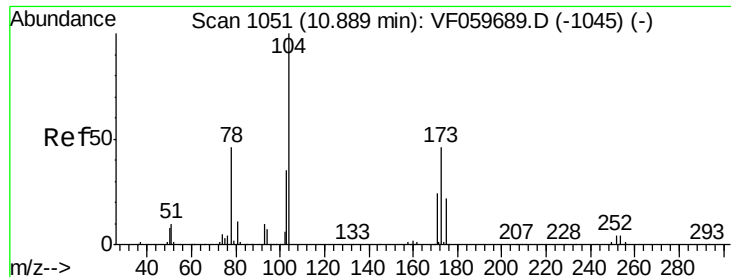
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#70
Styrene
Concen: 24.58 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		115195		
78	55.6	45.3	67.9		
103	46.6	36.6	54.8		





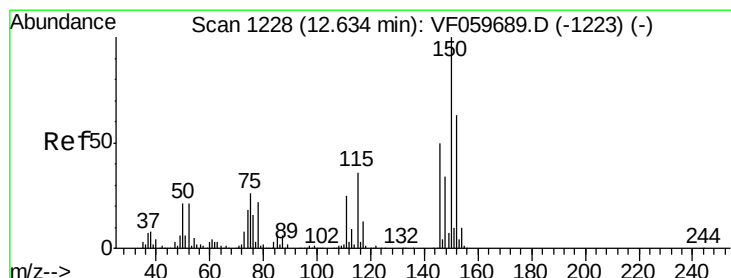
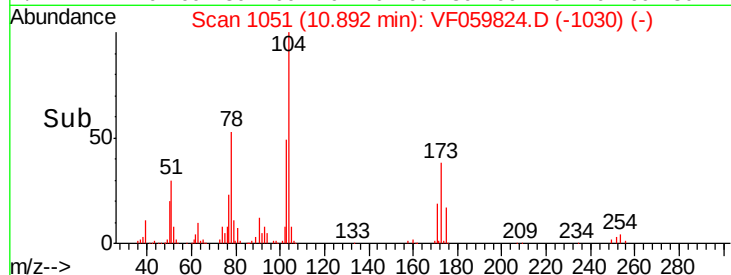
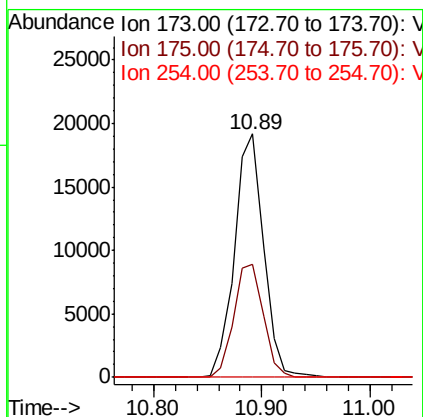
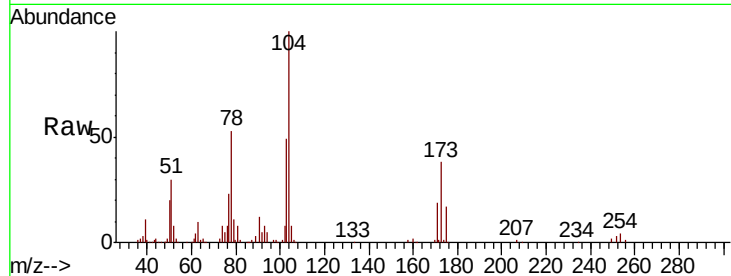
#71
Bromoform
Concen: 24.36 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	23.4	70.0
254	0.0	0.0	0.0

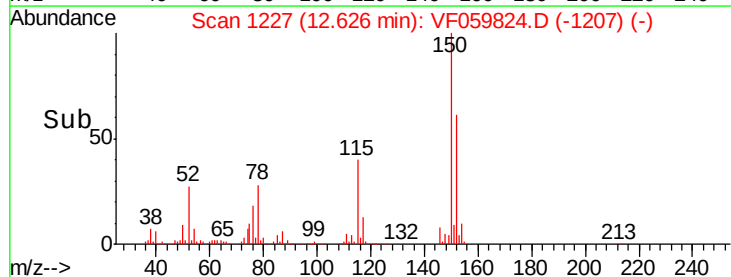
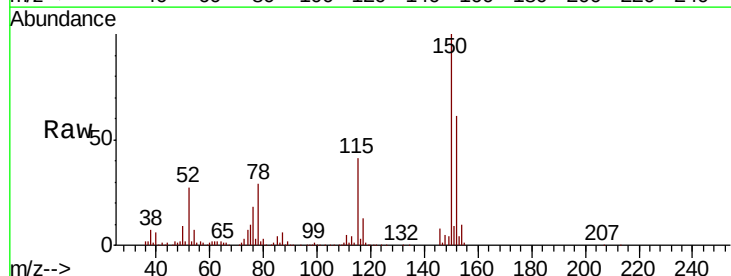
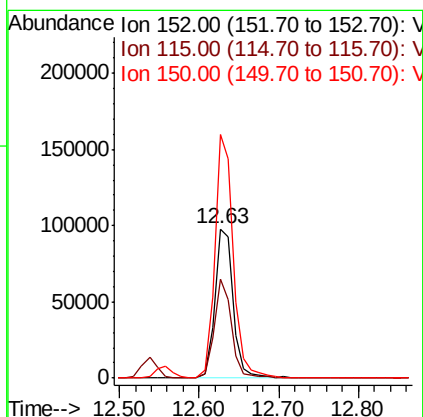
Manual Integrations
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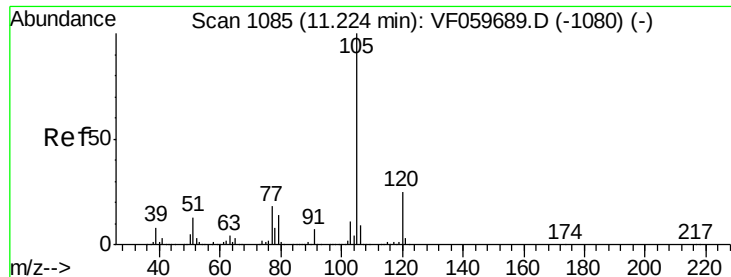
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.1	28.2	84.6
150	163.0	0.0	316.2





#73

Isopropylbenzene

Concen: 24.28 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 105 Resp: 253859

Ion Ratio Lower Upper

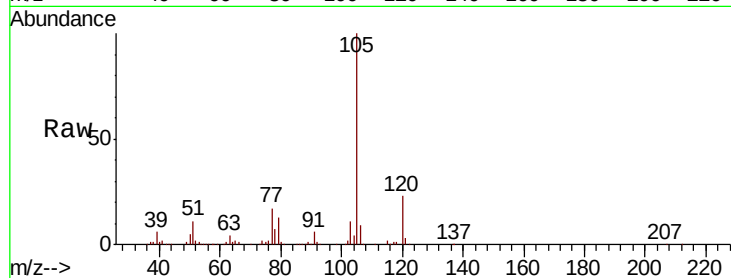
105 100

120 23.2 12.4 37.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

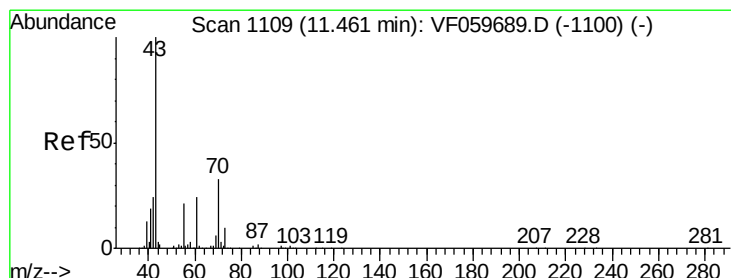
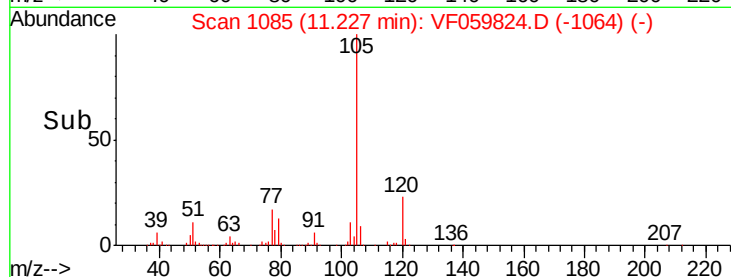
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 22.46 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion: 43 Resp: 59237

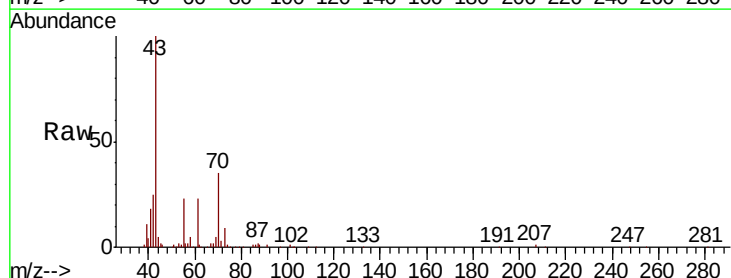
Ion Ratio Lower Upper

43 100

70 34.7 26.3 39.5

55 22.6 16.6 25.0

61 23.2 19.1 28.7



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

60000

50000

40000

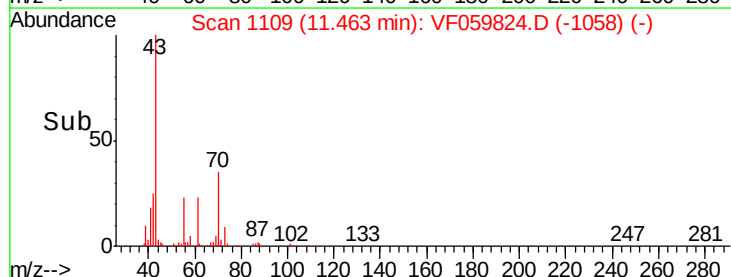
30000

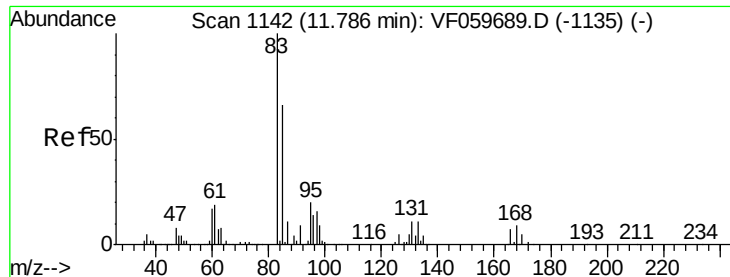
20000

10000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 24.67 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

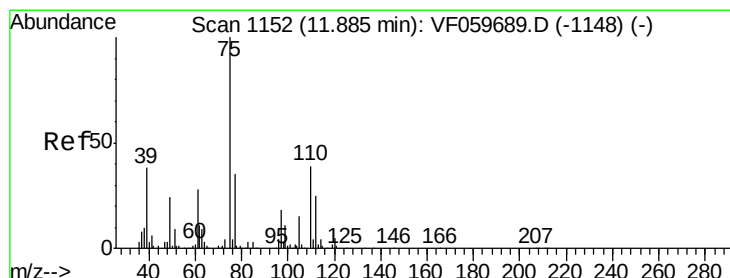
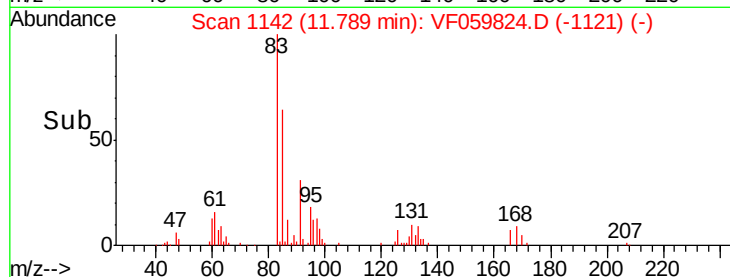
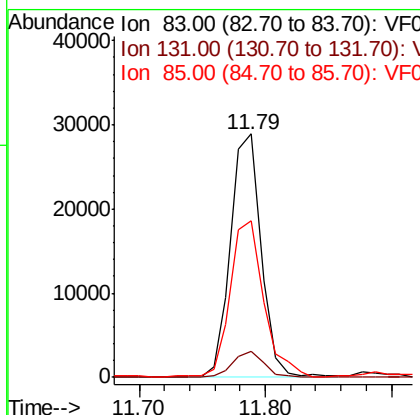
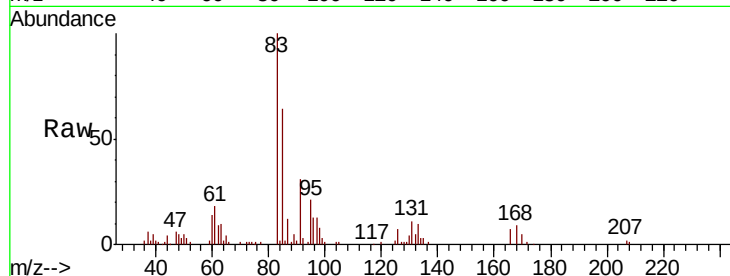
ClientSampleId :

VF0802SBSD02

Tot Ion:	83	Resp:	48551
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.8	17.3
85	64.4	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 23.83 ug/l

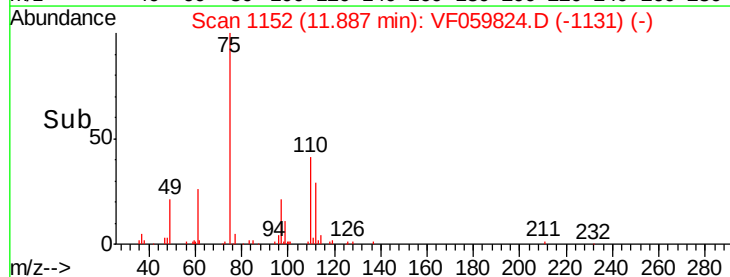
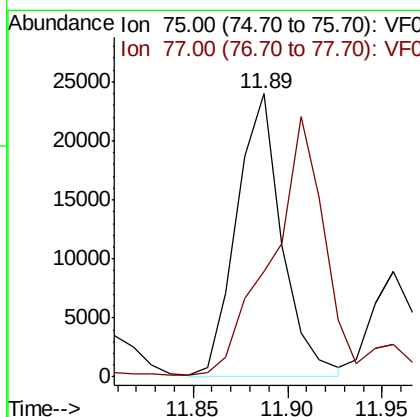
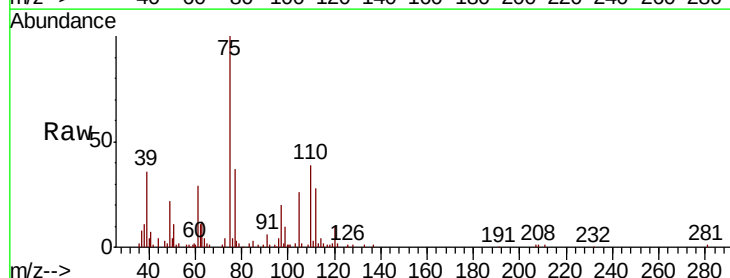
RT: 11.89 min Scan# 1152

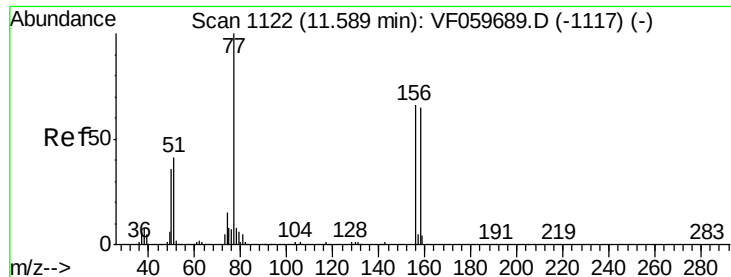
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	75	Resp:	39877
Ion Ratio	Lower	Upper	
75	100		
77	37.3	18.0	54.0





#77

Bromobenzene

Concen: 22.74 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

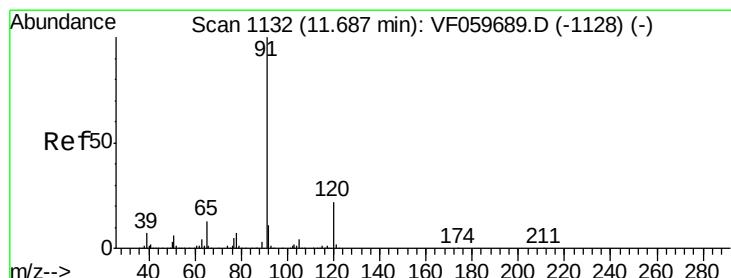
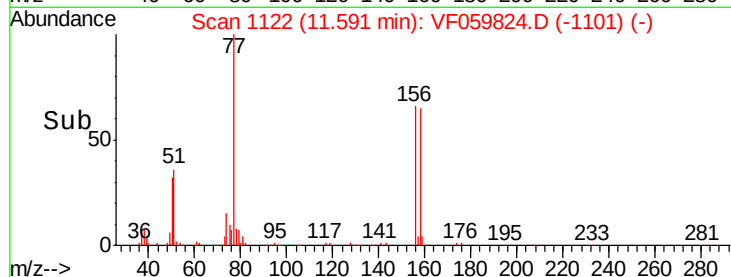
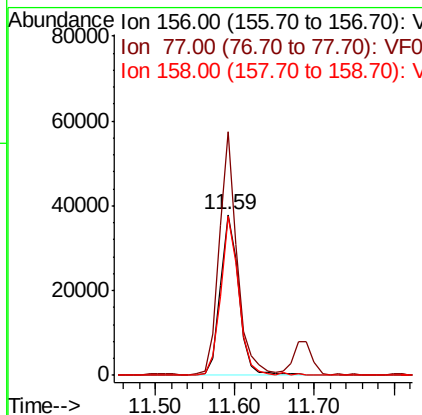
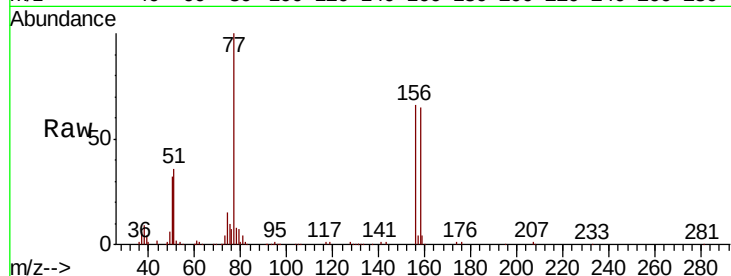
ClientSampleId :

VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.2	75.2	225.6
158	98.9	49.1	147.3

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#78

n-propylbenzene

Concen: 23.90 ug/l

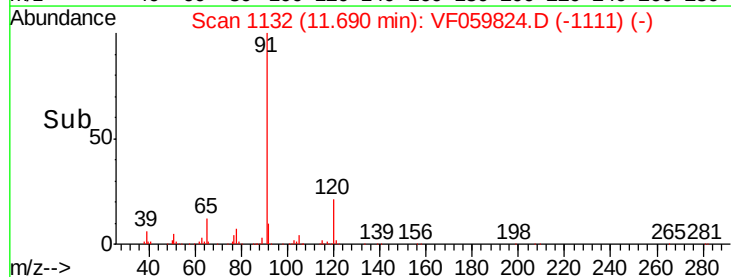
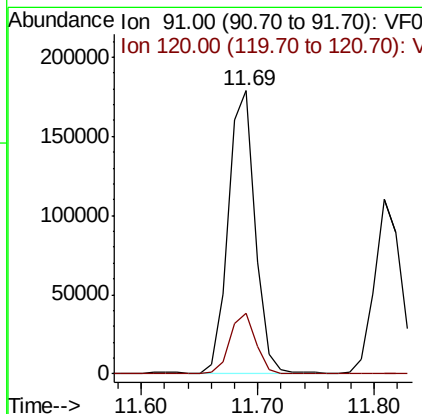
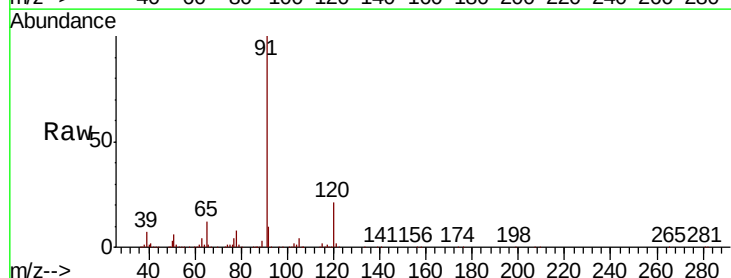
RT: 11.69 min Scan# 1132

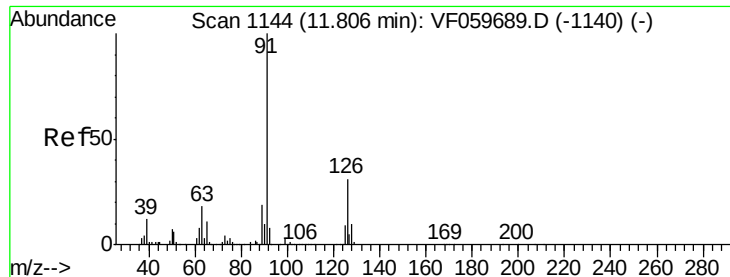
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.0	33.0





#79

2-Chlorotoluene

Concen: 23.54 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

Tot Ion: 91 Resp: 174432

Ion Ratio Lower Upper

91 100

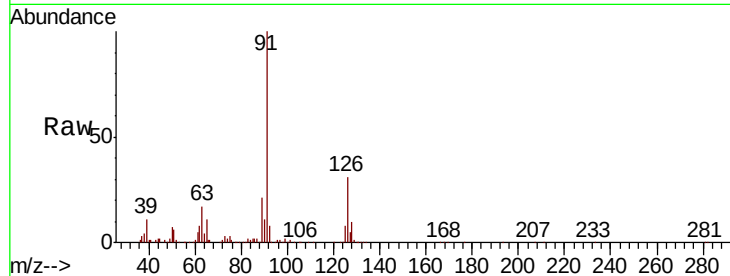
126 31.2 15.4 46.2

Manual Integrations

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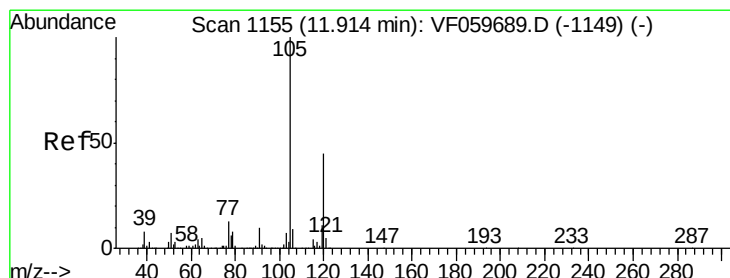
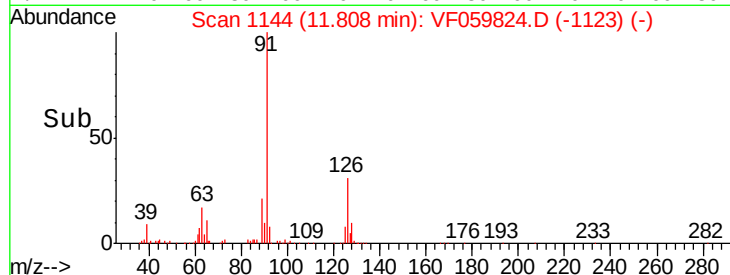
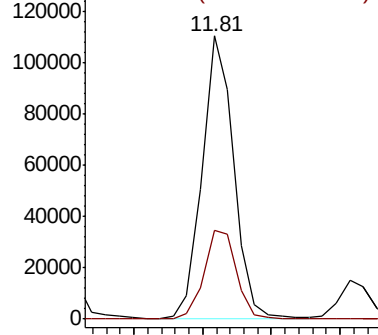
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 23.98 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059824.D

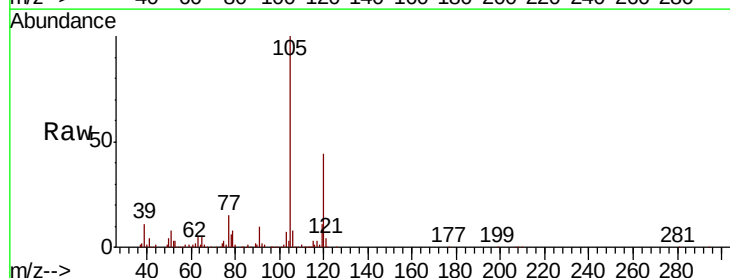
Acq: 3 Aug 2018 3:58

Tgt Ion: 105 Resp: 219890

Ion Ratio Lower Upper

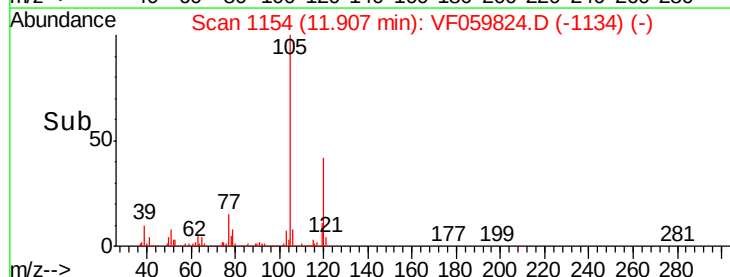
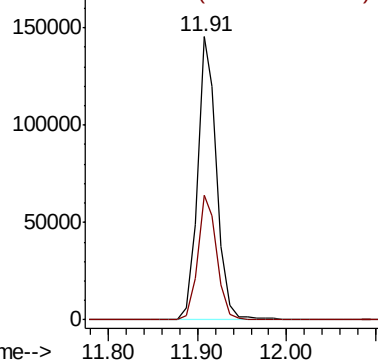
105 100

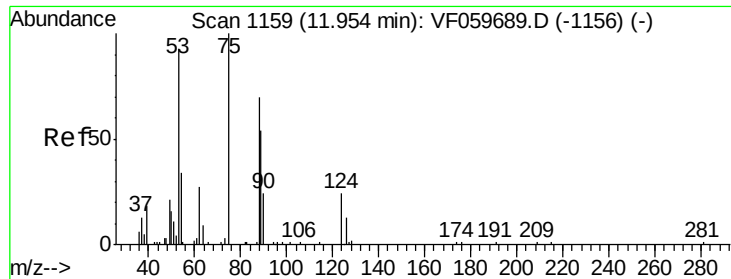
120 44.1 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





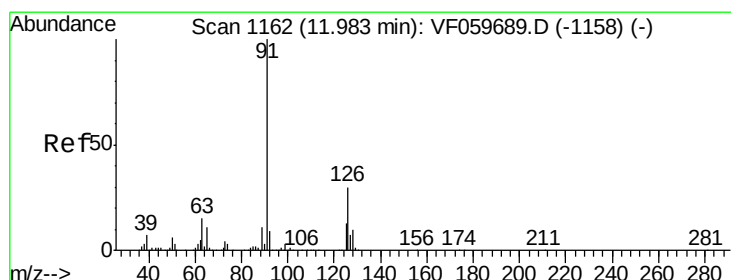
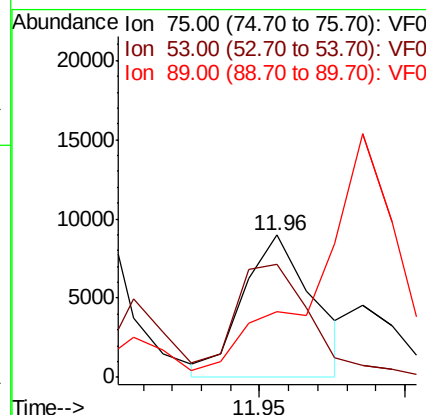
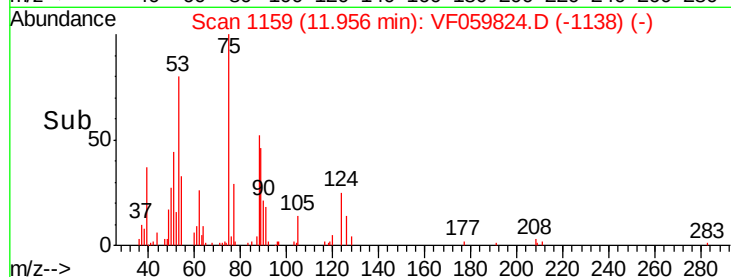
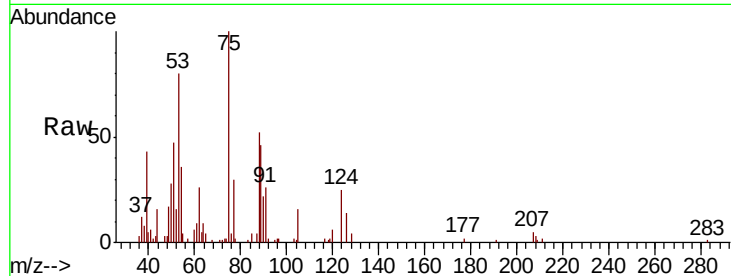
#81
trans-1,4-Dichloro-2-butene
Concen: 21.94 ug/l m
RT: 11.96 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.7	78.3	117.5
89	45.7	45.4	68.2

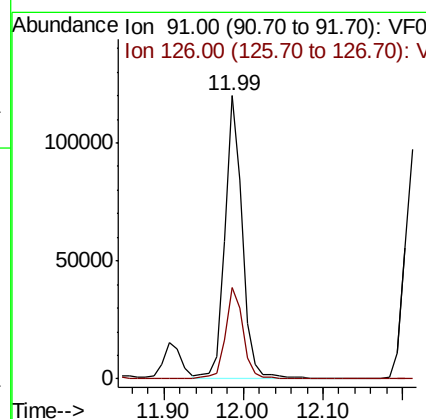
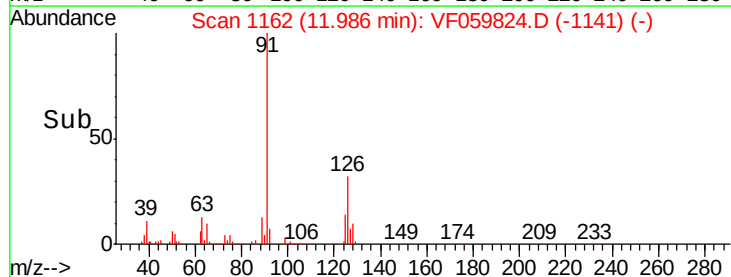
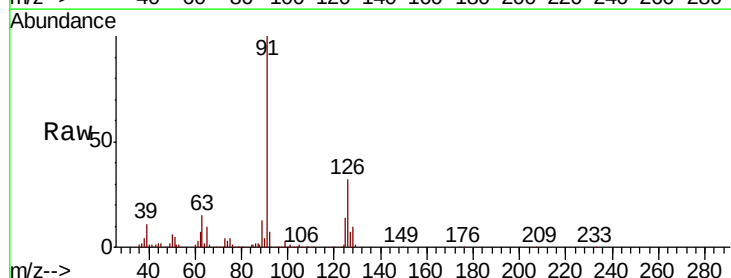
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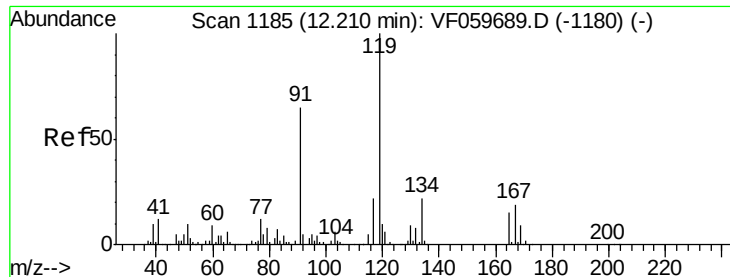
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#82
4-Chlorotoluene
Concen: 23.68 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.2	45.6





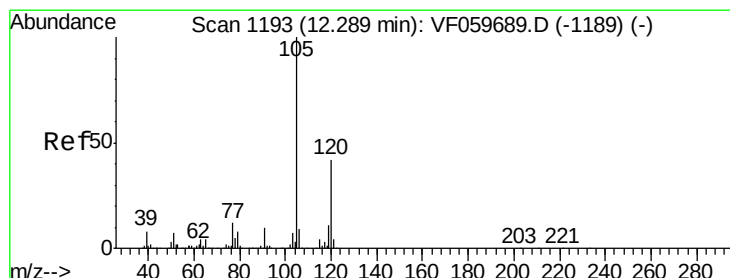
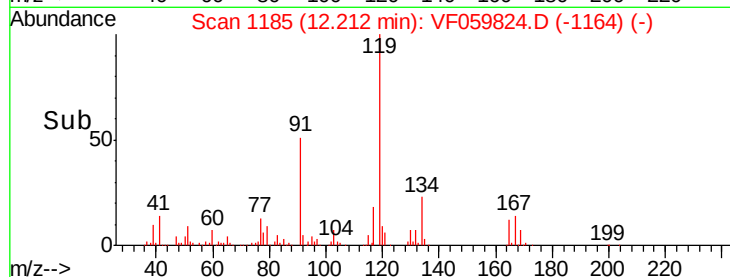
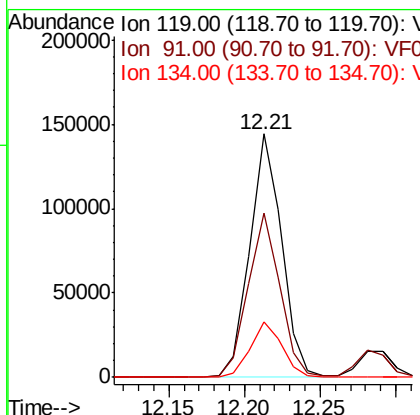
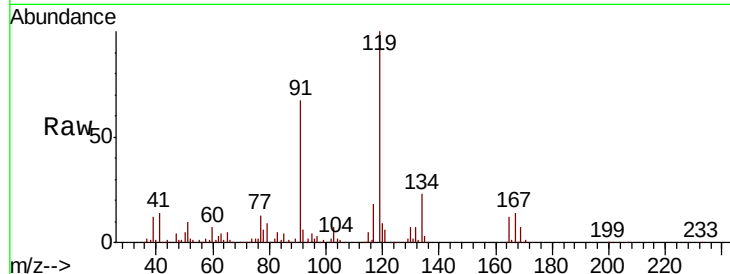
#83
 tert-Butylbenzene
 Concen: 22.84 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	214376		
91	67.2		32.8	98.4
134	22.9		10.9	32.7

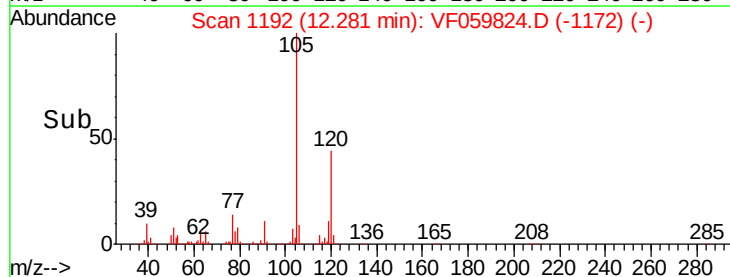
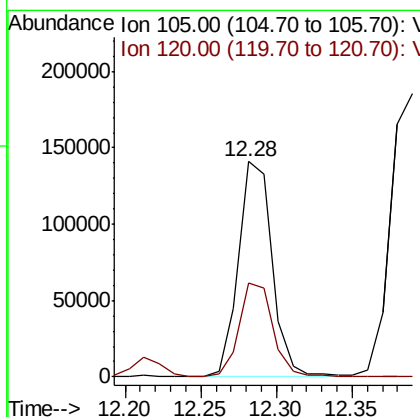
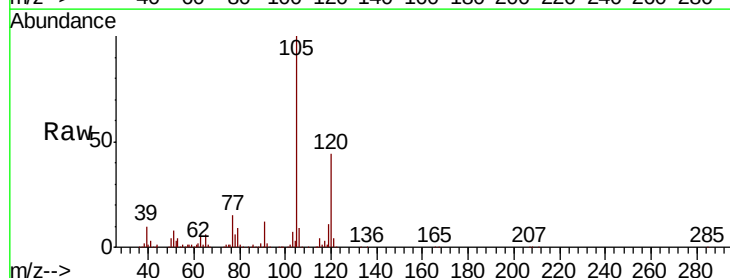
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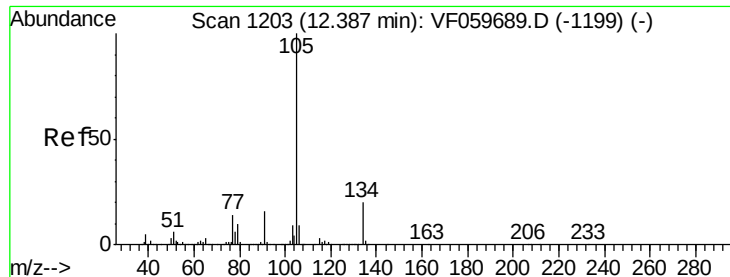
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.49 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217896		
120	43.5		21.1	63.3





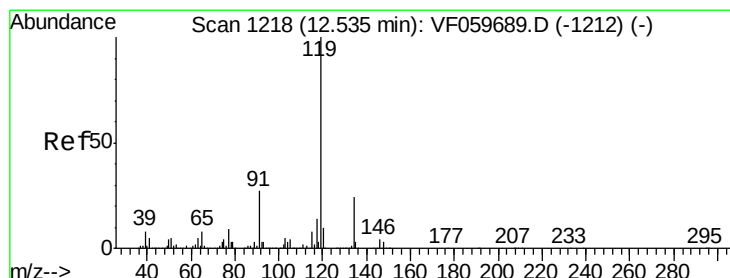
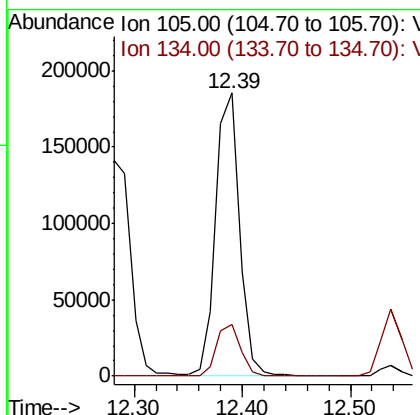
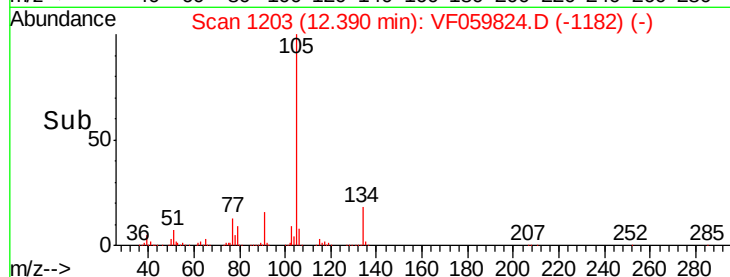
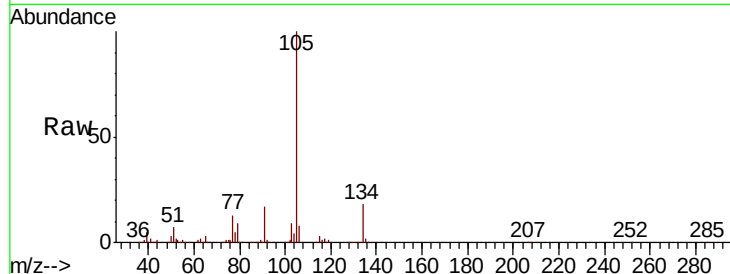
#85
 sec-Butylbenzene
 Concen: 23.88 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	285121		
134	18.2	9.8	29.3	

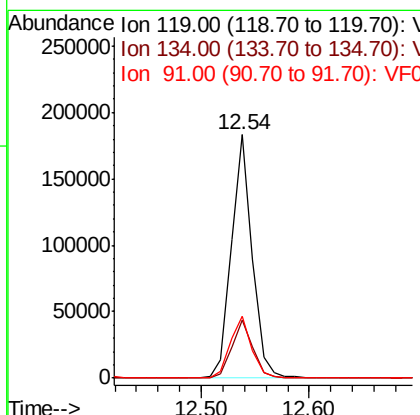
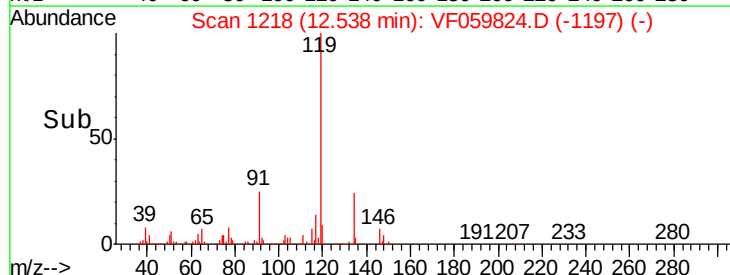
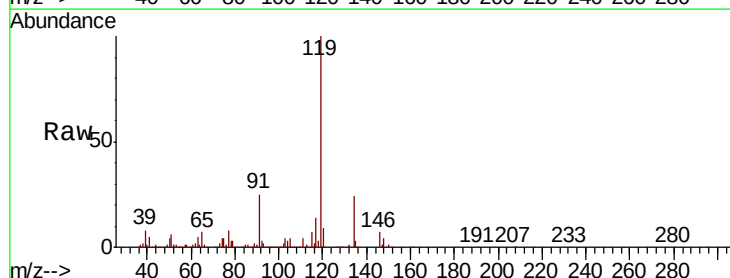
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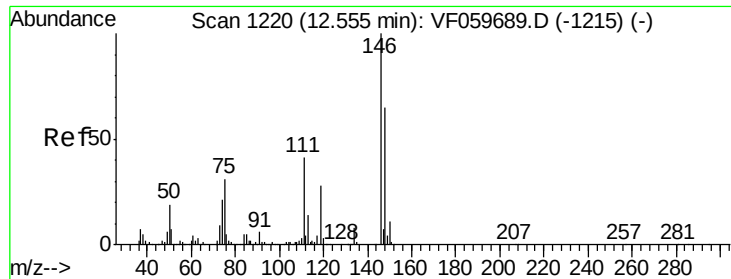
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#86
 p-Isopropyltoluene
 Concen: 23.32 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	244928		
134	23.9	12.2	36.6	
91	25.2	13.4	40.2	





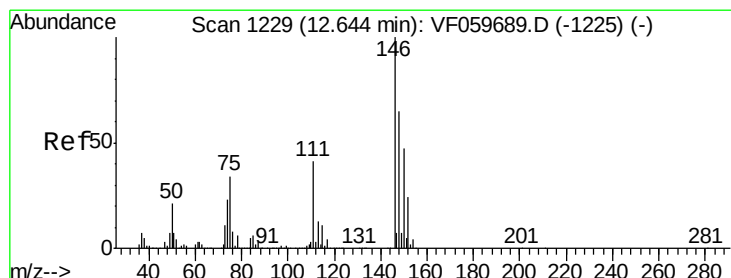
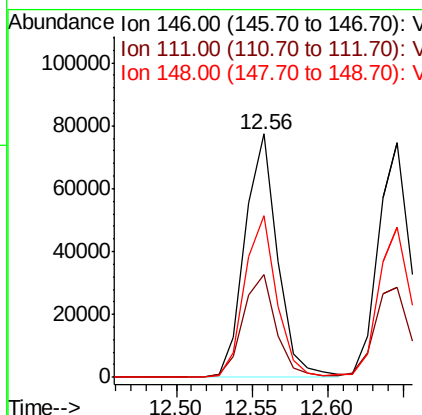
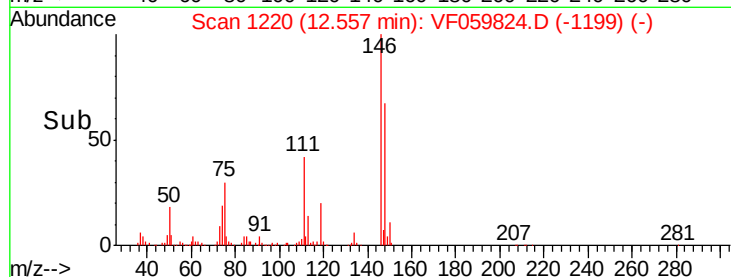
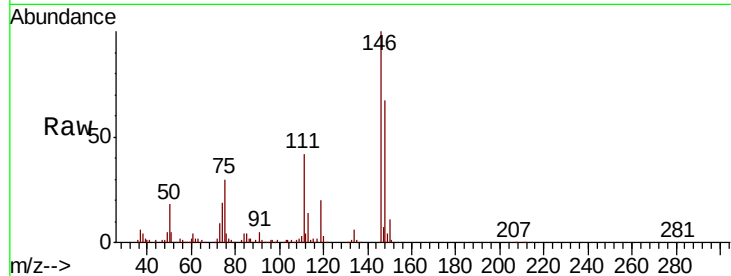
#87
 1,3-Dichlorobenzene
 Concen: 22.91 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.7	62.1
148	66.6	32.3	96.8

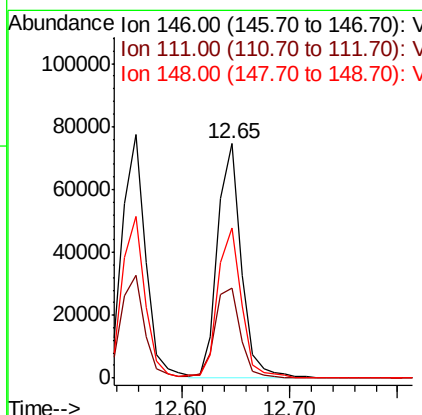
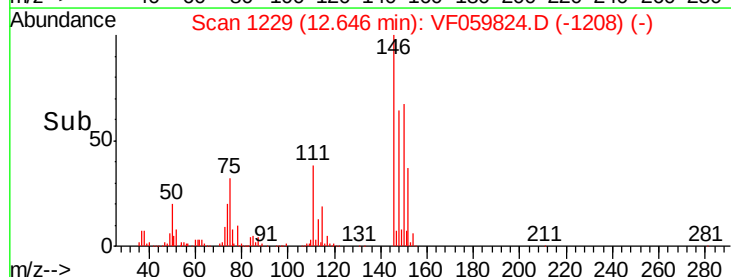
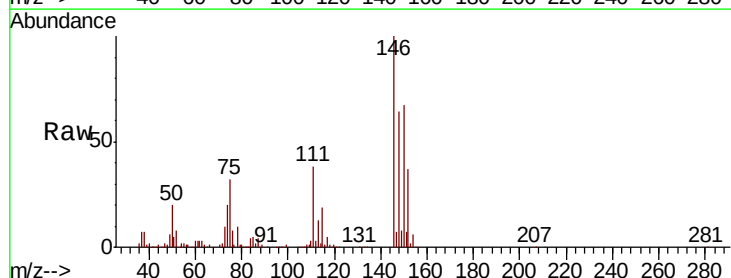
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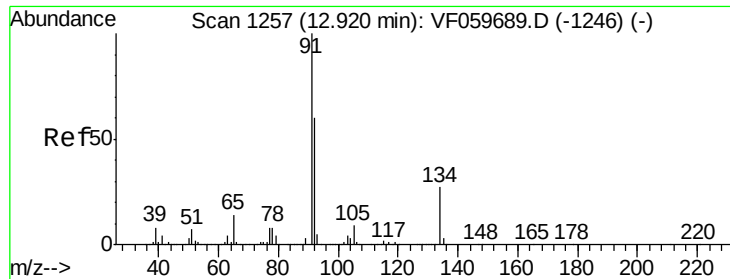
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#88
 1,4-Dichlorobenzene
 Concen: 22.98 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.8	62.2
148	64.4	32.3	96.9





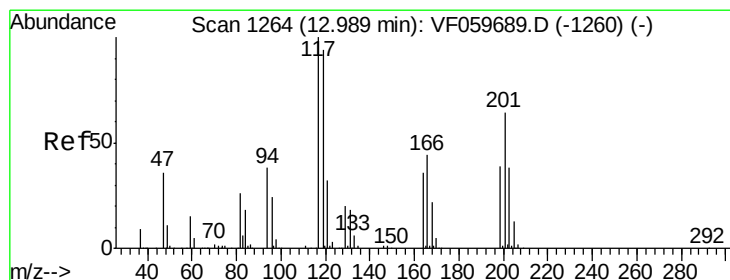
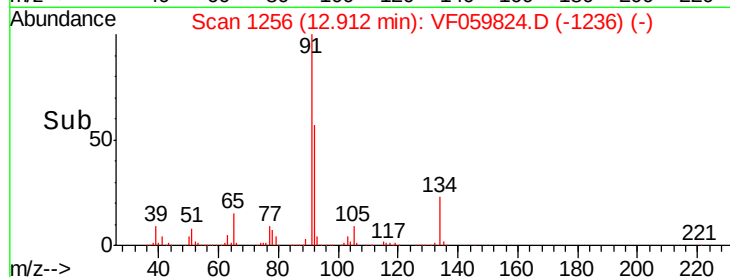
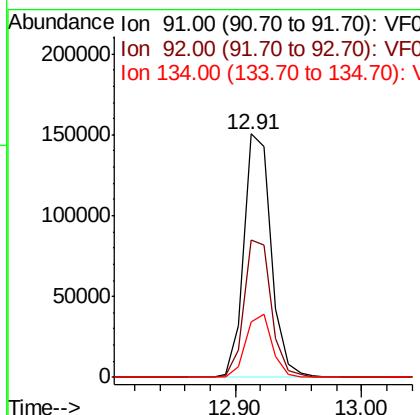
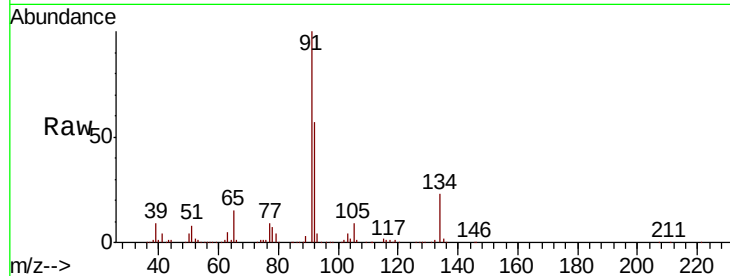
#89
n-Butylbenzene
Concen: 22.47 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	226532		
92	56.7		30.1	90.3
134	22.8		13.7	41.0

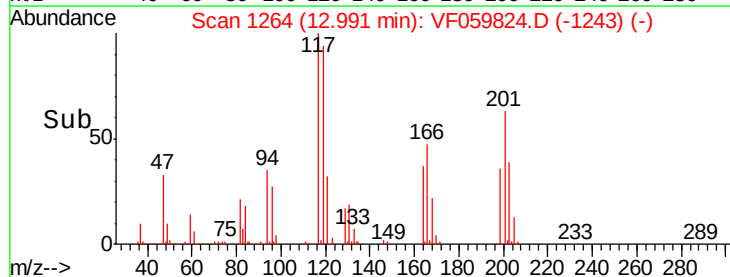
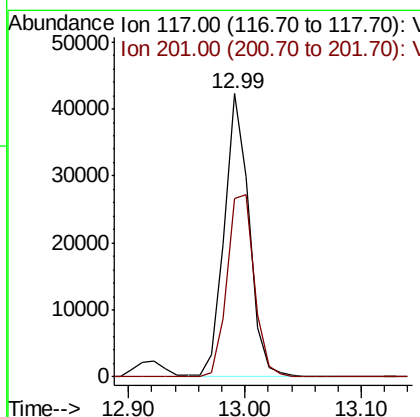
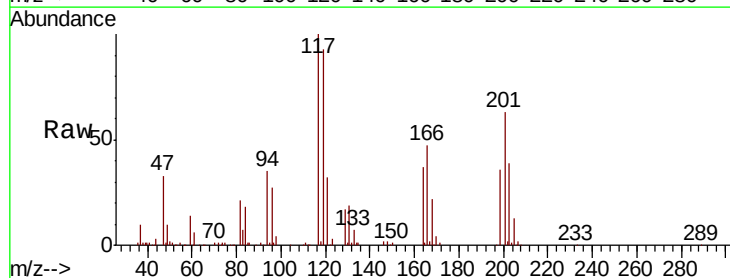
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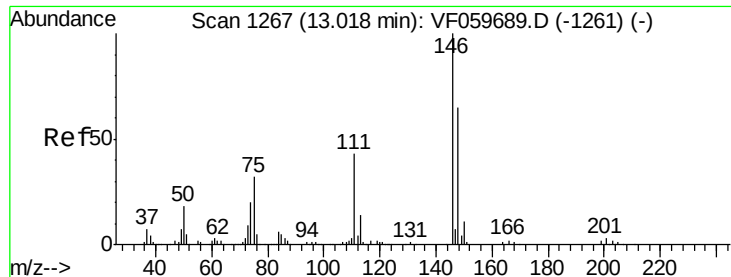
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#90
Hexachloroethane
Concen: 23.64 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62342		
201	64.5		31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 24.26 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

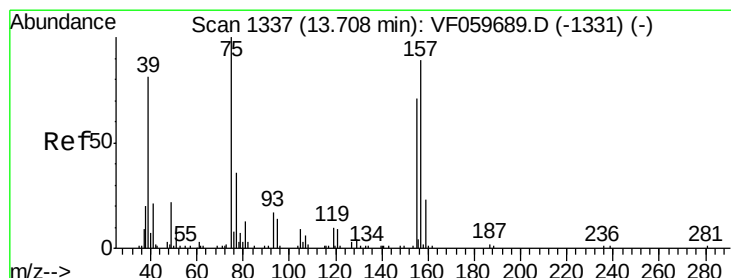
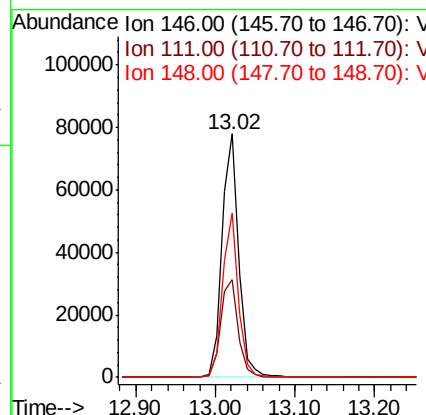
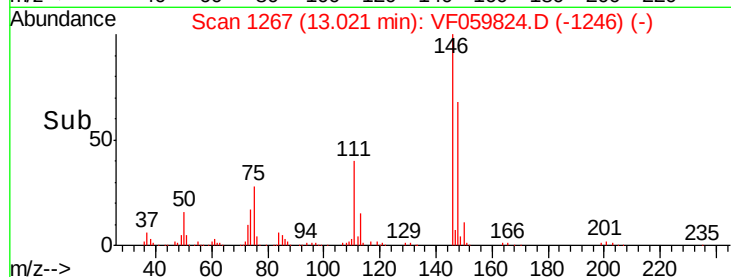
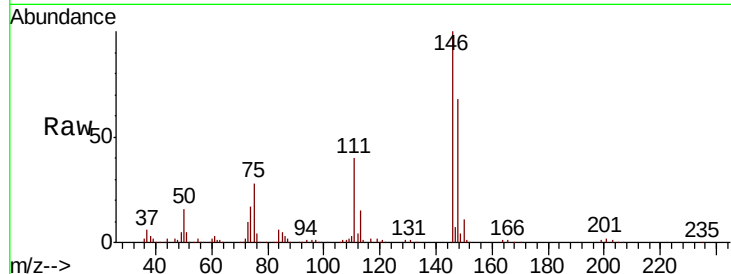
ClientSampleId :

VF0802SBSD02

Tot Ion:	146	Resp:	115603
Ion Ratio	Lower	Upper	
146	100		
111	40.3	21.6	65.0
148	67.5	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.24 ug/l

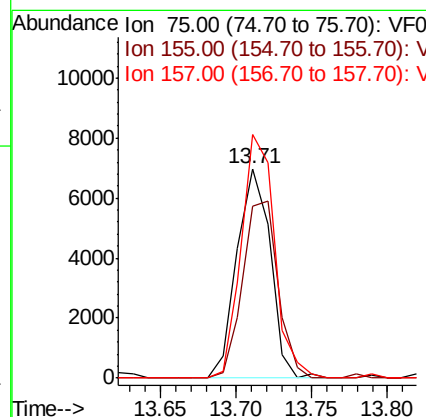
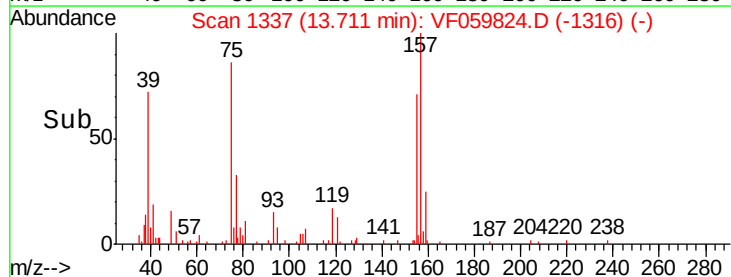
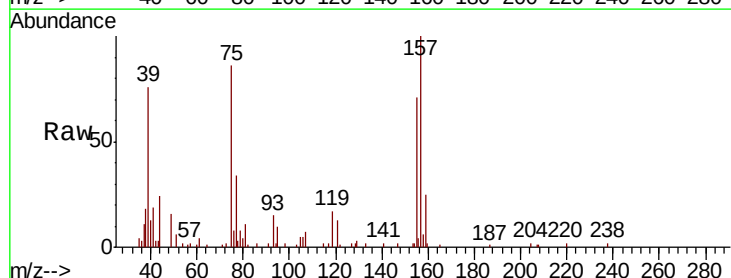
RT: 13.71 min Scan# 1337

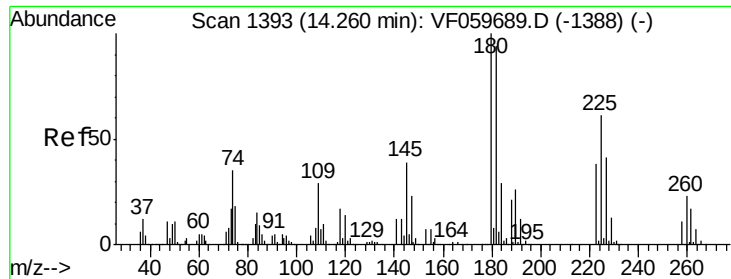
Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion:	75	Resp:	10701
Ion Ratio	Lower	Upper	
75	100		
155	82.0	35.4	106.2
157	116.1	44.4	133.2





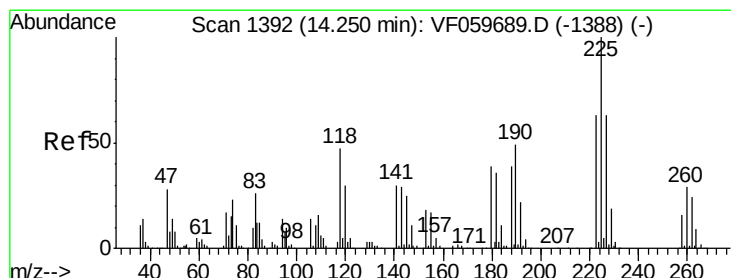
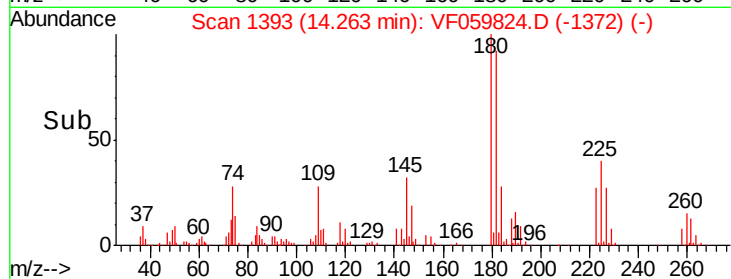
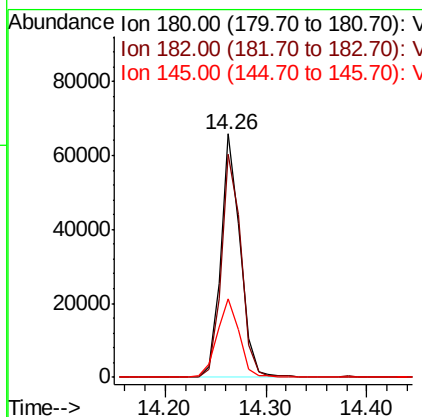
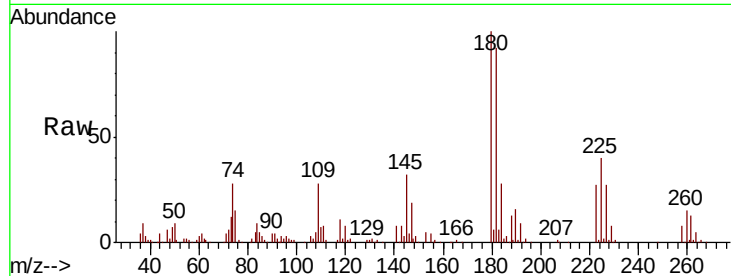
#93
 1,2,4-Trichlorobenzene
 Concen: 23.01 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.6	47.2	141.6	
145	32.2	19.3	57.9	

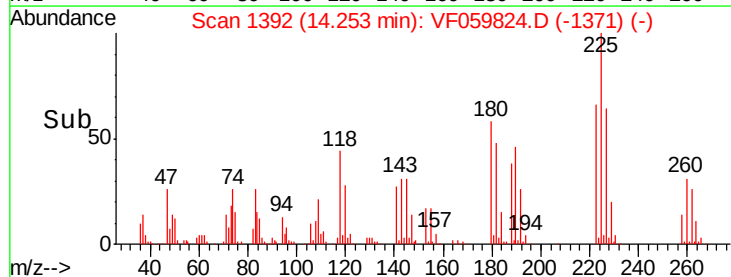
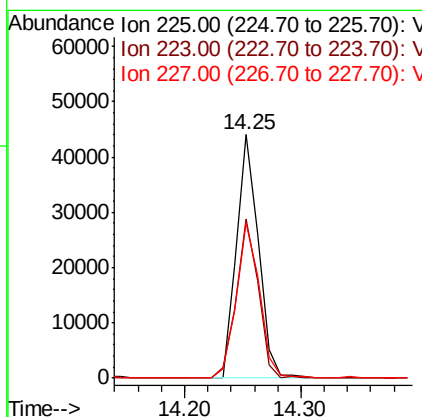
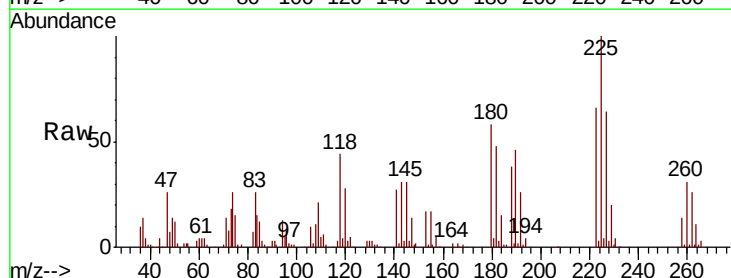
Manual Integrations
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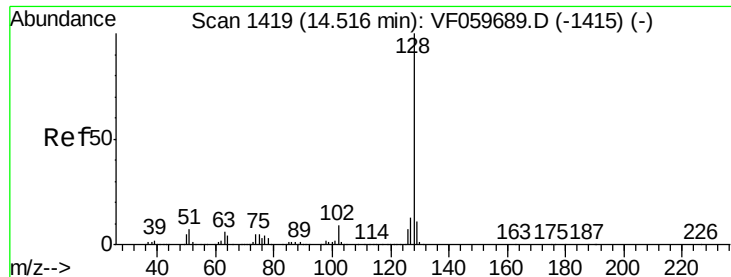
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#94
 Hexachlorobutadiene
 Concen: 22.08 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.5	31.4	94.2	
227	63.8	31.5	94.5	





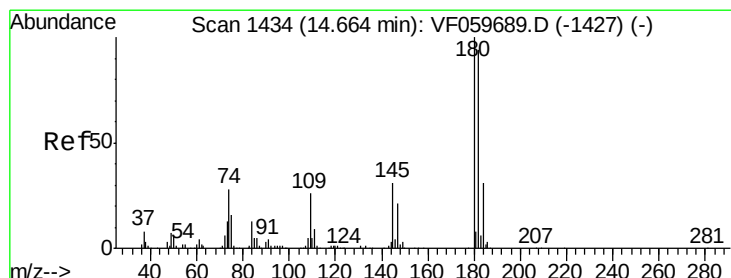
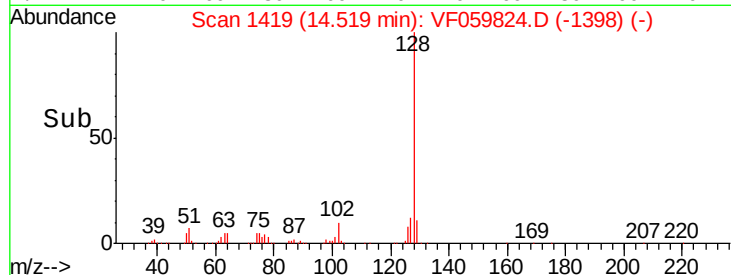
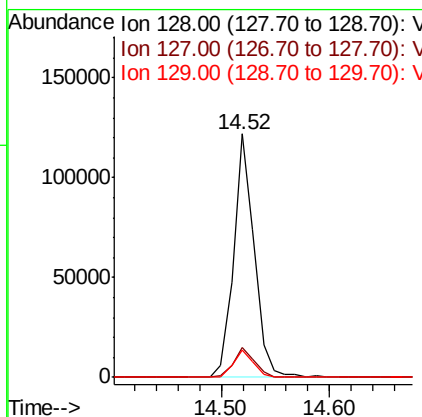
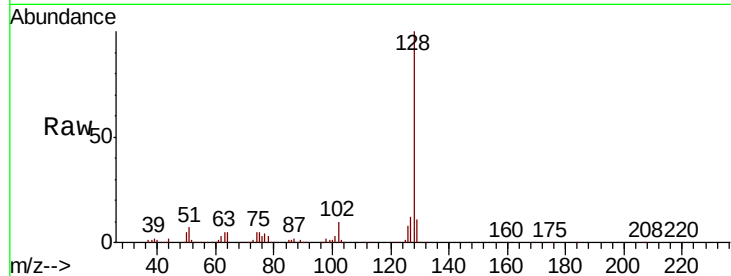
#95
Naphthalene
Concen: 23.67 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	162656		
127	12.3	10.0	15.0	
129	11.2	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/3/2018 4:03:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.96 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83384		
182	95.6	47.2	141.6	
145	32.1	15.6	46.7	

