

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059644.D
 Acq On : 24 Jul 2018 21:40
 Operator : VA/AP
 Sample : VF0724SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0724SBS01

Manual Integrations
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 7/25/2018 2:34:07 PM

Quant Time: Jul 25 05:28:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	225794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	311263	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	287303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	185817	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	152121	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
35) Dibromofluoromethane	4.28	113	145732	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
50) Toluene-d8	7.70	98	355992	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.50	95	173674	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	56763	21.474	ug/l	97
3) Chloromethane	1.08	50	34129	24.977	ug/l	95
4) Vinyl Chloride	1.15	62	34436	23.593	ug/l	92
5) Bromomethane	1.33	94	28092	25.146	ug/l	95
6) Chloroethane	1.41	64	21059	23.992	ug/l	94
7) Trichlorofluoromethane	1.48	101	94196m	23.781	ug/l	
8) Diethyl Ether	1.69	74	12208	22.135	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.88	101	51410	25.192	ug/l	92
10) Methyl Iodide	1.92	142	75955	23.282	ug/l	91
11) Tert butyl alcohol	2.67	59	11739	100.194	ug/l	97
12) 1,1-Dichloroethene	1.83	96	36694	23.823	ug/l	99
13) Acrolein	2.08	56	3896	67.823	ug/l	94
14) Allyl chloride	2.18	41	62385	23.297	ug/l	92
15) Acrylonitrile	3.05	53	20731	102.797	ug/l	95
16) Acetone	2.32	43	35631	72.159	ug/l	95
17) Carbon Disulfide	1.83	76	103010	26.252	ug/l	97
18) Methyl Acetate	2.44	43	15002	17.662	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	83329	20.461	ug/l	99
20) Methylene Chloride	2.27	84	32293	21.436	ug/l	97
21) trans-1,2-Dichloroethene	2.40	96	37972	23.405	ug/l	89
22) Diisopropyl ether	2.92	45	111076	21.626	ug/l	97
23) Vinyl Acetate	3.32	43	244157	103.045	ug/l	99
24) 1,1-Dichloroethane	2.99	63	81584	22.329	ug/l	98
25) 2-Butanone	4.49	43	54584	92.410	ug/l	98
26) 2,2-Dichloropropane	3.74	77	67564	23.062	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	42990	21.651	ug/l	96
28) Bromochloromethane	3.87	49	27755	20.904	ug/l	91
29) Tetrahydrofuran	4.24	42	22903	95.346	ug/l	94
30) Chloroform	4.02	83	109828	21.666	ug/l	98
31) Cyclohexane	3.84	56	54478	25.615	ug/l #	94
32) 1,1,1-Trichloroethane	4.26	97	99736	23.087	ug/l	93
36) 1,1-Dichloropropene	4.44	75	79386	24.893	ug/l	97
37) Ethyl Acetate	4.28	43	26048	21.234	ug/l	92
38) Carbon Tetrachloride	4.16	117	105874	24.058	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	66406	25.674	ug/l	92
40) Benzene	4.79	78	142944	24.231	ug/l	94
41) Methacrylonitrile	4.90	41	11741	19.683	ug/l #	85
42) 1,2-Dichloroethane	5.10	62	70411	20.143	ug/l	97
43) Isopropyl Acetate	7.11	43	26085	18.598	ug/l #	93
44) Trichloroethene	5.66	130	51106	23.471	ug/l	81
45) 1,2-Dichloropropane	6.39	63	31762	21.266	ug/l	98
46) Dibromomethane	6.25	93	27504	21.801	ug/l	92
47) Bromodichloromethane	6.53	83	76783	20.816	ug/l #	95
48) Methyl methacrylate	6.86	41	19432	18.821	ug/l	90
49) 1,4-Dioxane	6.85	88	3293	414.468	ug/l #	92
51) 4-Methyl-2-Pentanone	8.40	43	103722	100.619	ug/l	99
52) Toluene	7.77	92	92712	22.321	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	55774	18.975	ug/l	89
54) cis-1,3-Dichloropropene	7.44	75	64312	20.699	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	25910	19.699	ug/l #	89
56) Ethyl methacrylate	8.75	69	26825	19.079	ug/l	94
57) 1,3-Dichloropropane	8.99	76	46576	20.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	19198	106.376	ug/l	100
59) 2-Hexanone	9.62	43	75383	95.760	ug/l	92
60) Dibromochloromethane	8.85	129	47314	19.455	ug/l	96
61) 1,2-Dibromoethane	9.13	107	31186	19.417	ug/l	92
64) Tetrachloroethene	8.30	164	57696	25.343	ug/l	96
65) Chlorobenzene	9.92	112	121104	22.752	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	54417	22.054	ug/l	96
67) Ethyl Benzene	10.03	91	227075	23.740	ug/l	95
68) m/p-Xylenes	10.26	106	157285	46.022	ug/l	96
69) o-Xylene	10.82	106	82470	22.669	ug/l	99
70) Styrene	10.89	104	111472	21.217	ug/l	95
71) Bromoform	10.88	173	27850	20.049	ug/l	90
73) Isopropylbenzene	11.22	105	276618	23.686	ug/l	98
74) N-amyl acetate	11.45	43	53655	21.427	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	37338	21.112	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	30322	20.757	ug/l	93
77) Bromobenzene	11.59	156	61546	21.542	ug/l	92
78) n-propylbenzene	11.68	91	333030	23.957	ug/l	99
79) 2-Chlorotoluene	11.81	91	192475	23.006	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	244817	23.596	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	18447	20.516	ug/l	92
82) 4-Chlorotoluene	11.98	91	197101	22.077	ug/l	99
83) tert-Butylbenzene	12.21	119	242509	23.184	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	243877	22.902	ug/l	100
85) sec-Butylbenzene	12.38	105	326949	23.444	ug/l	97
86) p-Isopropyltoluene	12.54	119	284379	23.424	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	143142	25.976	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	117648	21.240	ug/l	94
89) n-Butylbenzene	12.91	91	284890	24.155	ug/l	98
90) Hexachloroethane	12.99	117	68526	23.138	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	120770	22.622	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	8194	17.968	ug/l	91

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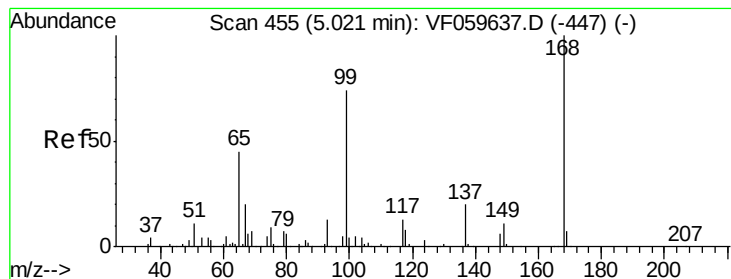
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	94979	21.832	µg/l	94
94) Hexachlorobutadiene	14.25	225	70387	22.822	µg/l	95
95) Naphthalene	14.52	128	133560	20.190	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	84061	22.287	µg/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion:168 Resp: 225794

Ion Ratio Lower Upper

168 100

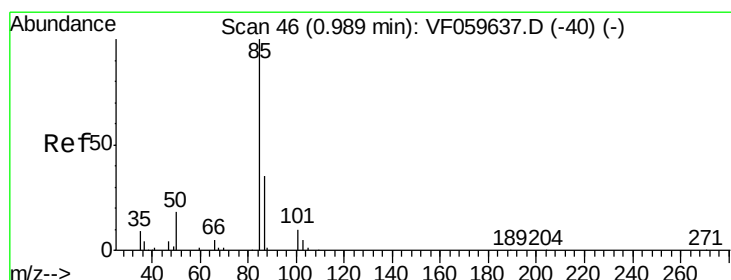
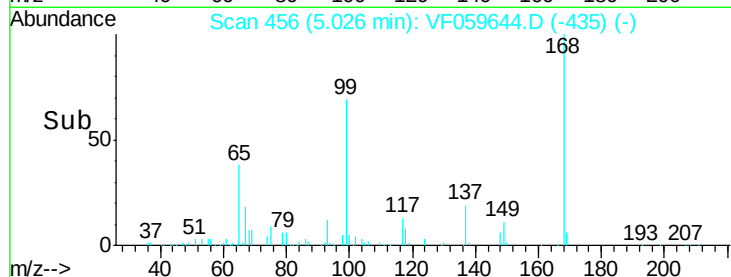
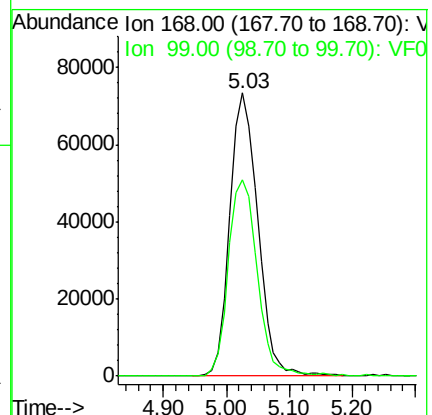
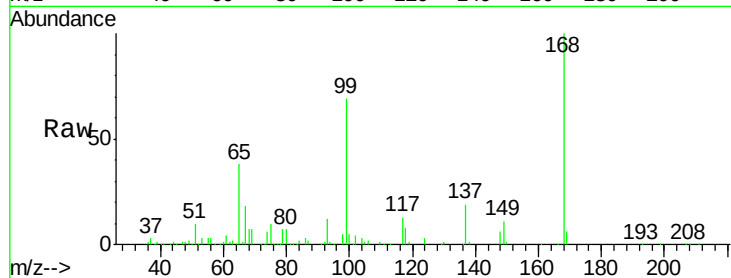
99 69.2 59.5 89.3

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#2

Dichlorodifluoromethane

Concen: 21.474 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059644.D

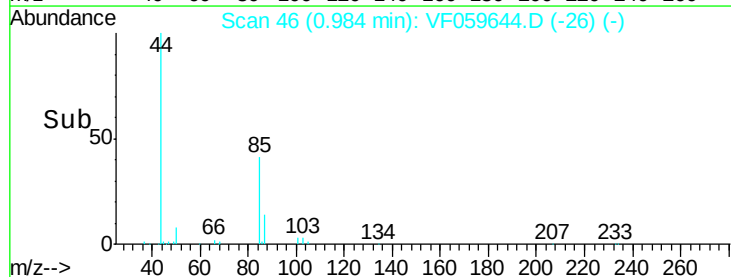
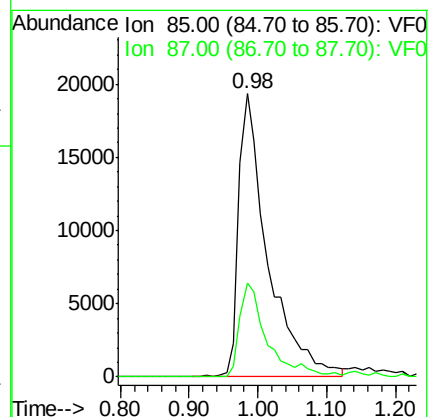
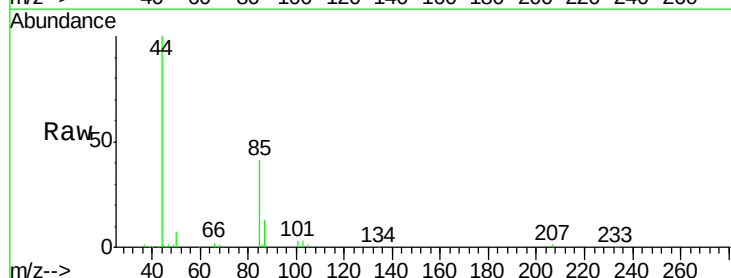
Acq: 24 Jul 2018 21:40

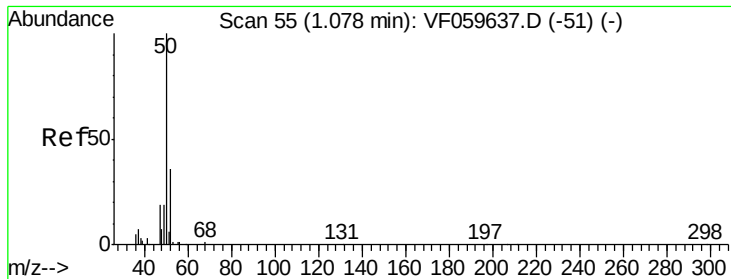
Tgt Ion: 85 Resp: 56763

Ion Ratio Lower Upper

85 100

87 33.2 17.4 52.2





#3

Chloromethane

Concen: 24.977 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion: 50 Resp: 34129

Ion Ratio Lower Upper

50 100

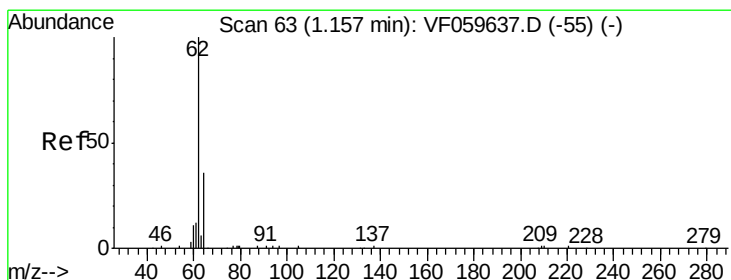
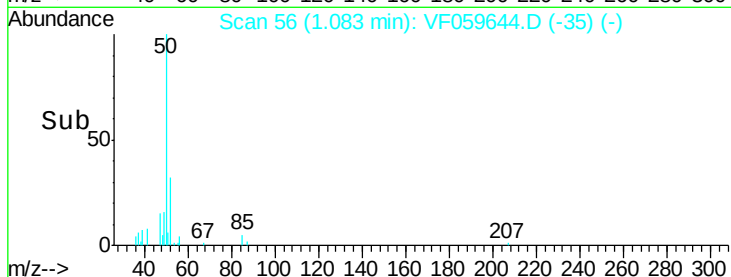
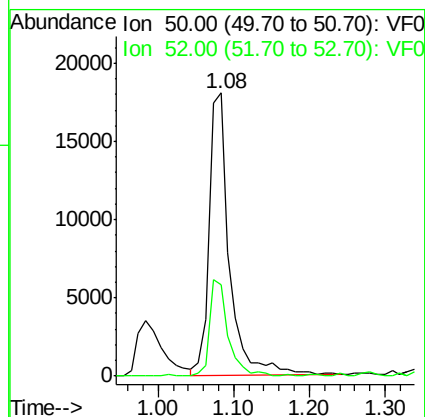
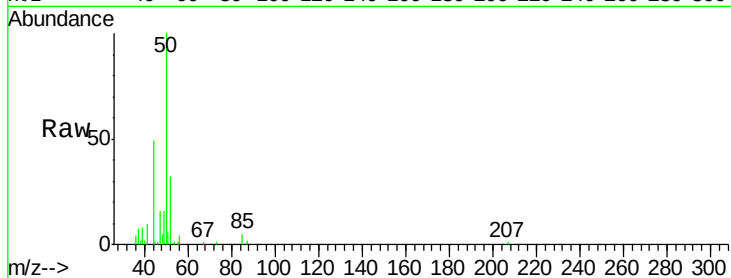
52 32.3 28.0 42.0

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#4

Vinyl Chloride

Concen: 23.593 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059644.D

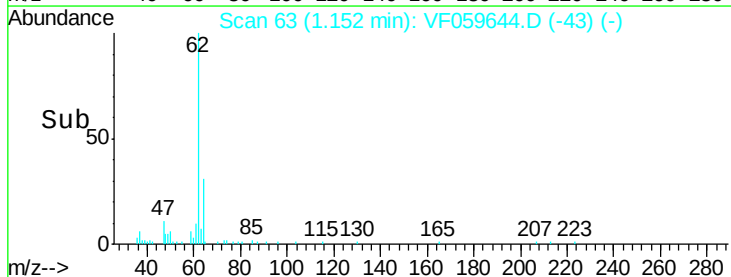
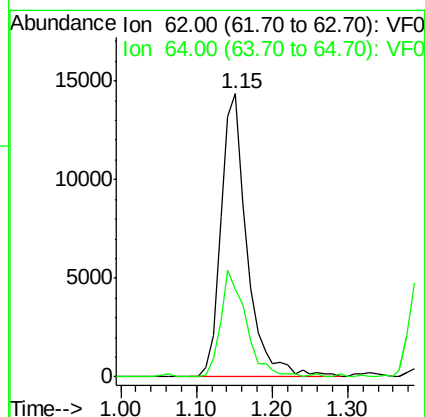
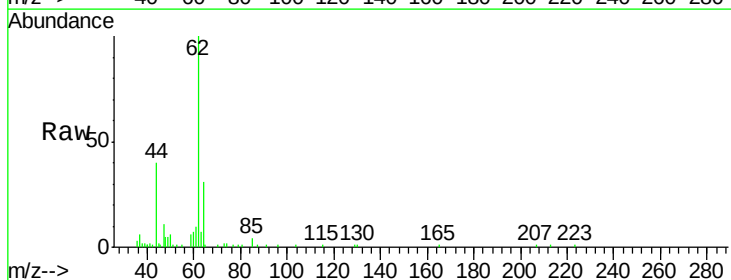
Acq: 24 Jul 2018 21:40

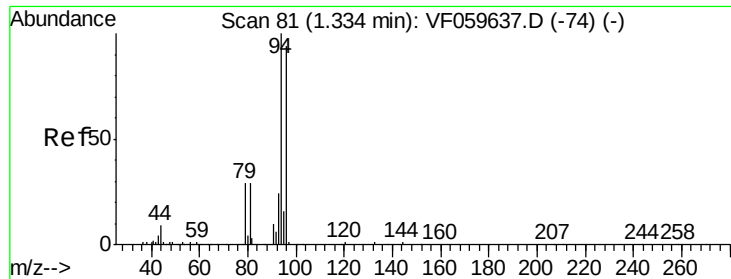
Tgt Ion: 62 Resp: 34436

Ion Ratio Lower Upper

62 100

64 31.1 28.6 43.0





#5

Bromomethane

Concen: 25.146 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion: 94 Resp: 28092

Ion Ratio Lower Upper

94 100

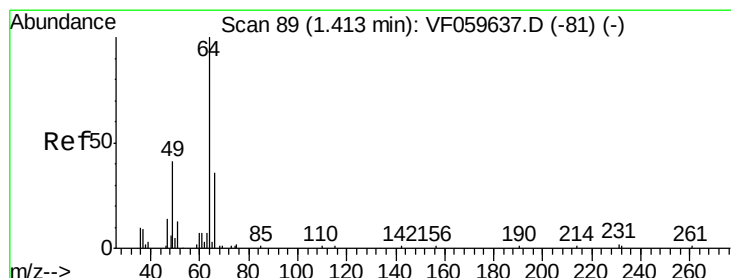
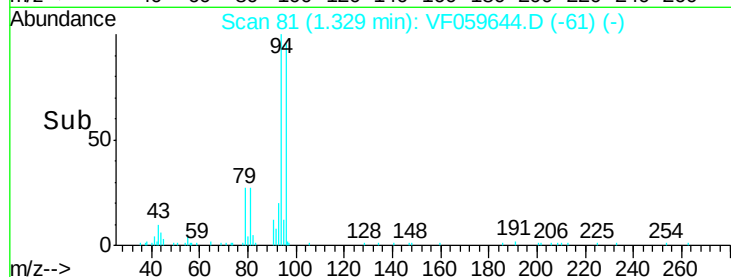
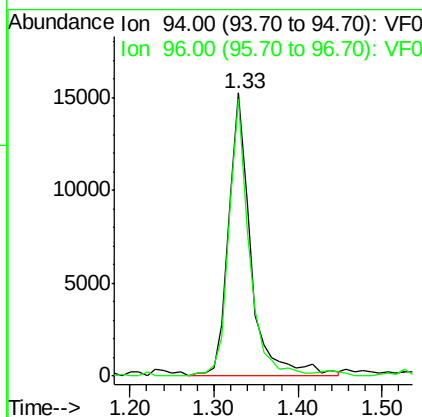
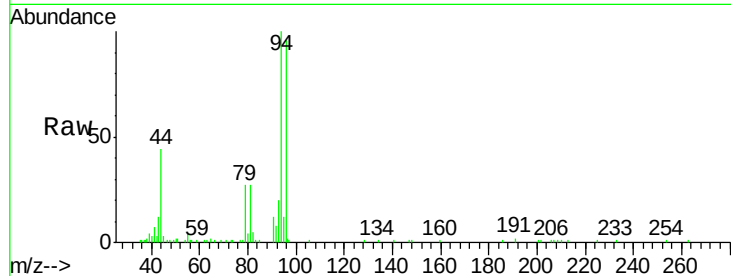
96 98.0 74.6 112.0

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#6

Chloroethane

Concen: 23.992 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059644.D

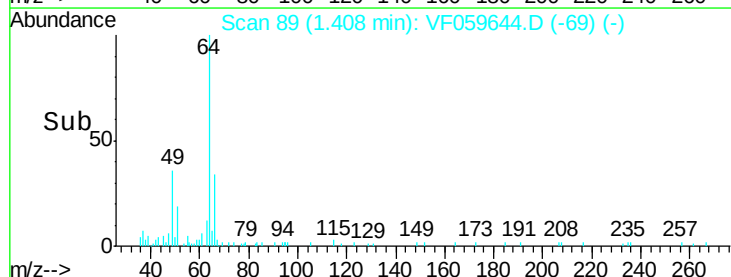
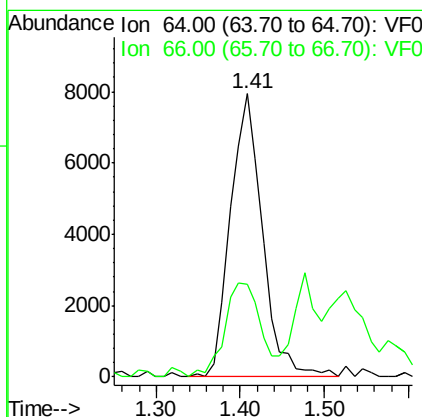
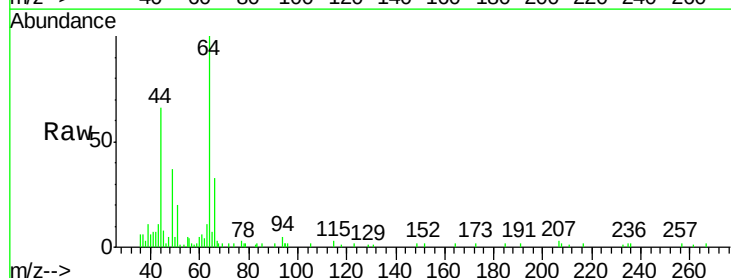
Acq: 24 Jul 2018 21:40

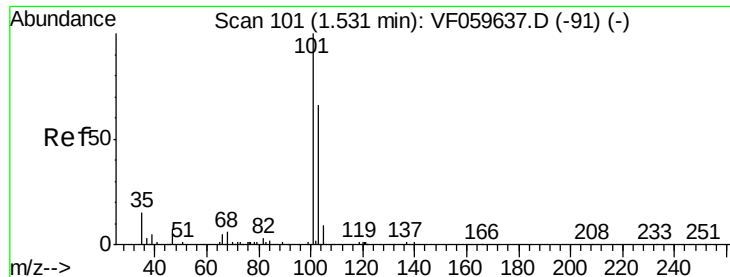
Tgt Ion: 64 Resp: 21059

Ion Ratio Lower Upper

64 100

66 32.9 29.0 43.6





#7

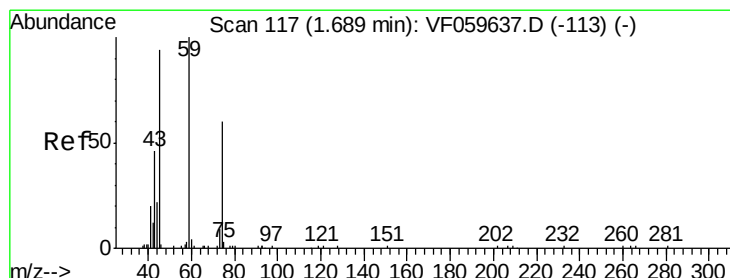
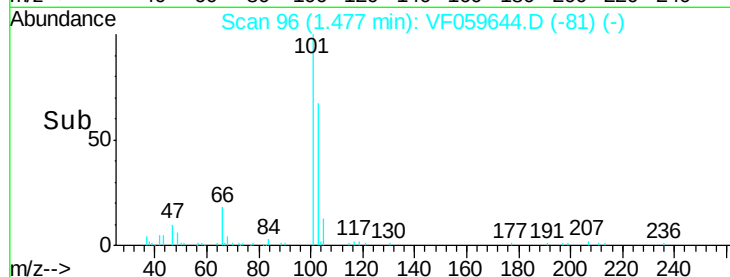
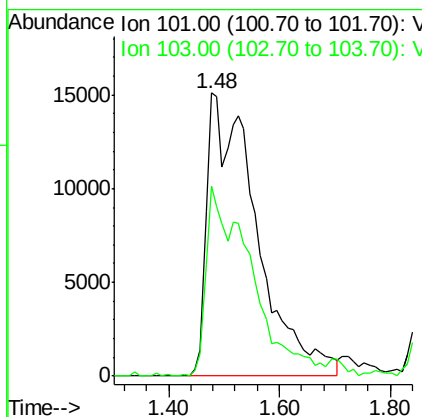
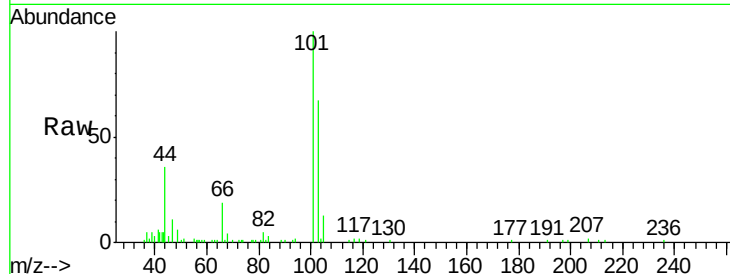
Trichlorofluoromethane
 Concen: 23.781 ug/l m
 RT: 1.48 min Scan# 96
 Delta R.T. -0.05 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
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 ClientSampleId :
 VF0724SBS01

Tot Ion:101 Resp: 94196
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.5 78.7

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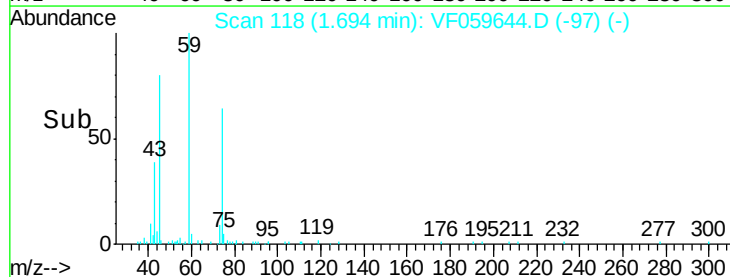
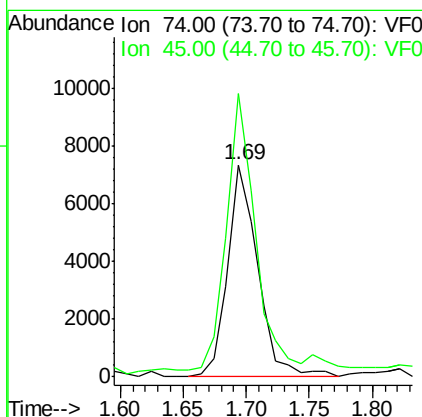
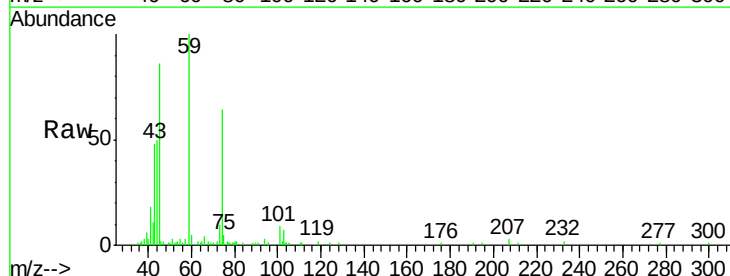
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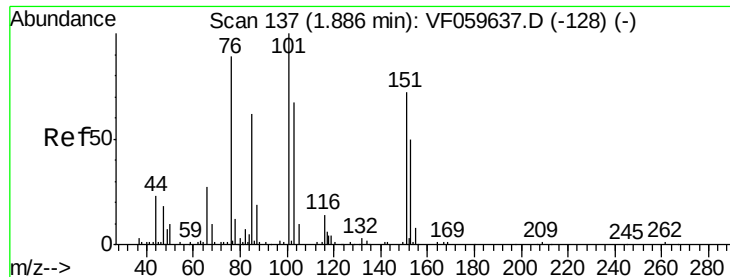


#8

Diethyl Ether
 Concen: 22.135 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion: 74 Resp: 12208
 Ion Ratio Lower Upper
 74 100
 45 133.3 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.192 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

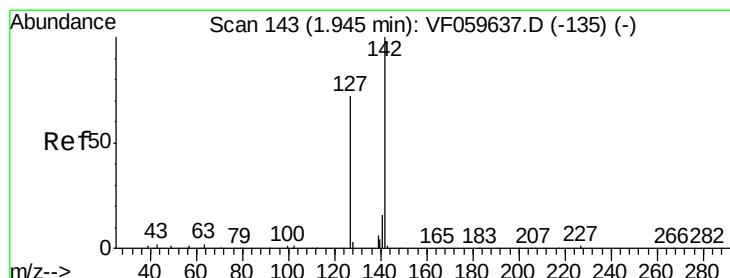
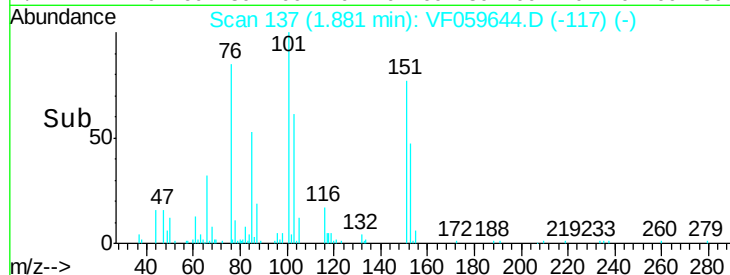
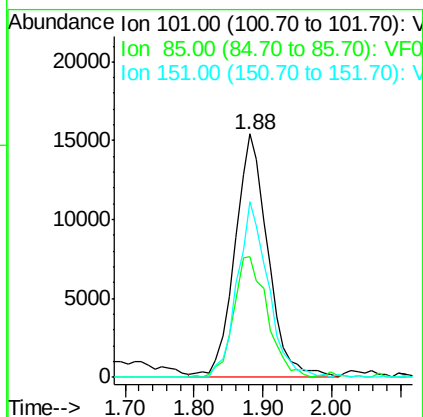
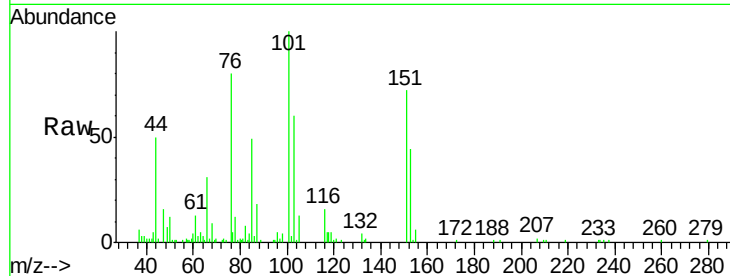
ClientSampleId :

VF0724SBS01

Tot Ion:	101	Resp:	51410
Ion Ratio	Lower	Upper	
101	100		
85	49.4	49.0	73.4
151	72.2	56.8	85.2

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#10

Methyl Iodide

Concen: 23.282 ug/l

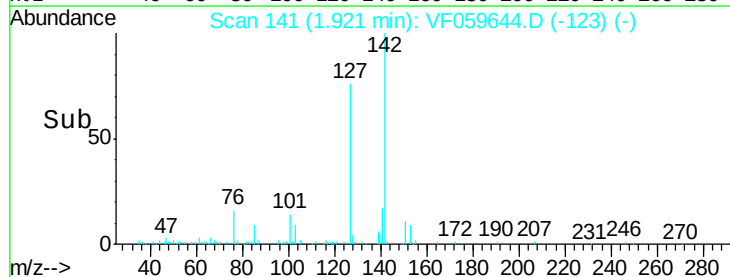
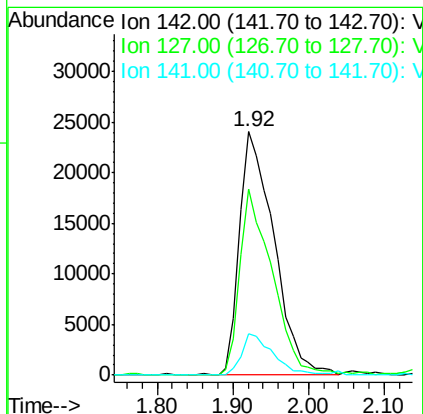
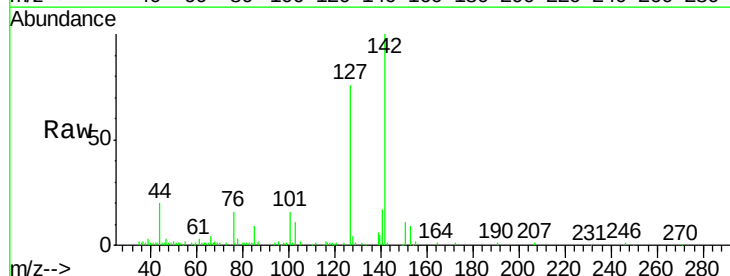
RT: 1.92 min Scan# 141

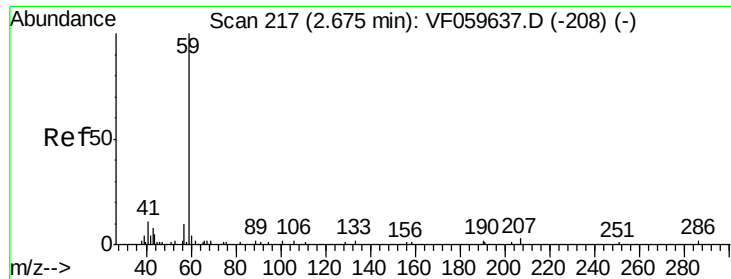
Delta R.T. -0.02 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	142	Resp:	75955
Ion Ratio	Lower	Upper	
142	100		
127	80.6	57.5	86.3
141	16.8	13.2	19.8





#11

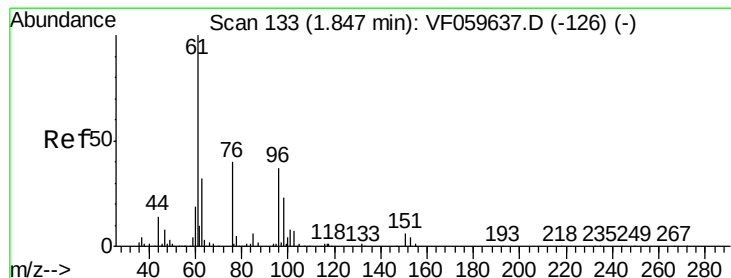
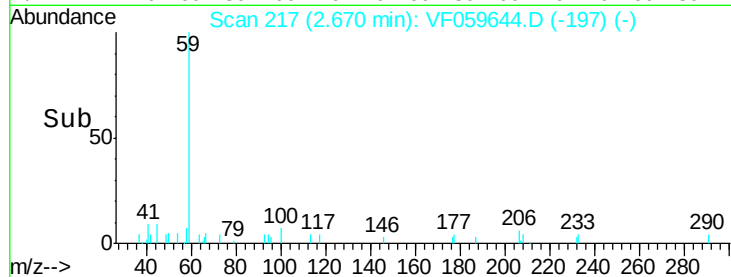
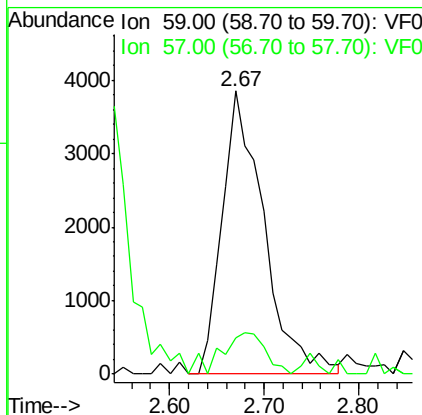
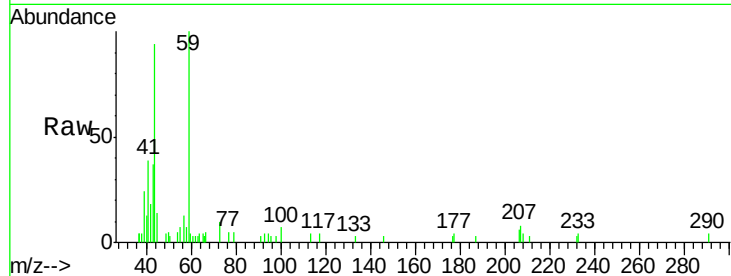
Tert butyl alcohol
 Concen: 100.194 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0724SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.0	11.4	17.2

Manual Integrations
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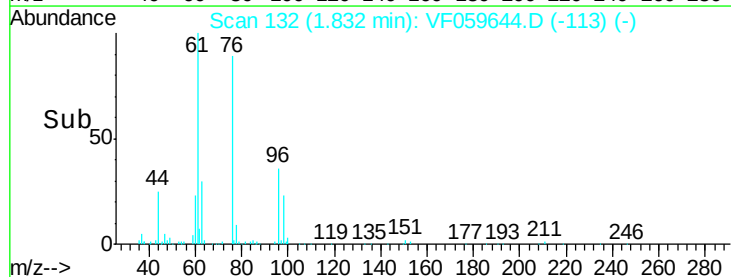
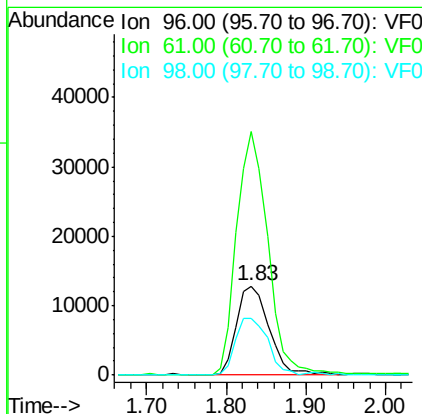
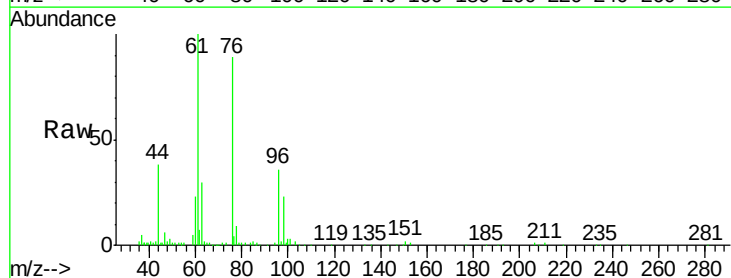
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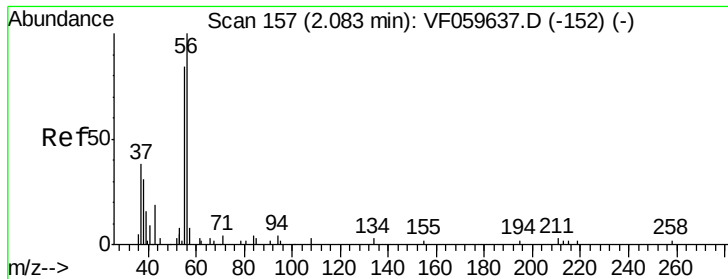


#12

1,1-Dichloroethene
 Concen: 23.823 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	274.0	218.2	327.4
98	63.8	50.6	76.0





#13

Acrolein

Concen: 67.823 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059644.D

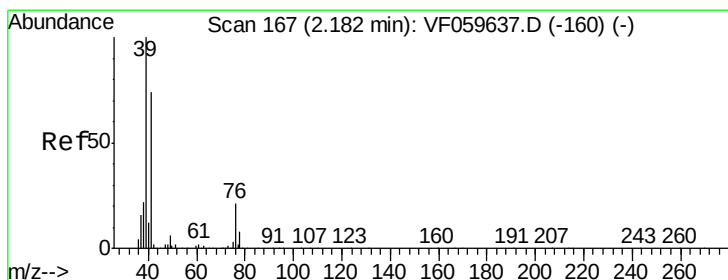
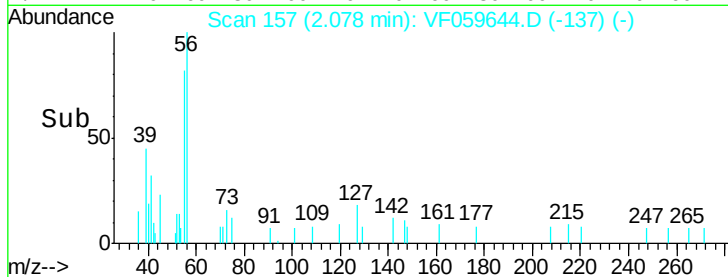
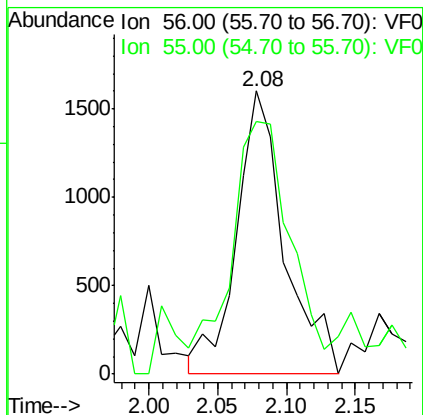
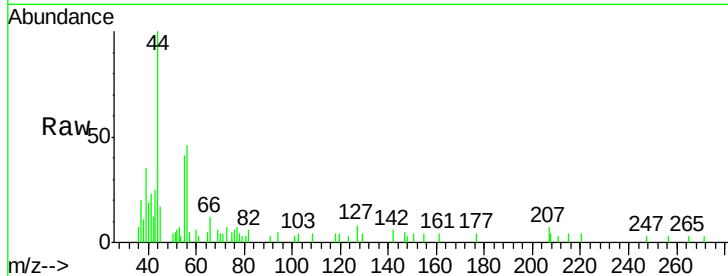
Acq: 24 Jul 2018 21:40

Tot Ion:	56	Resp:	3896
Ion Ratio	Lower	Upper	
56	100		
55	89.3	67.2	100.8

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Manual Integrations
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#14

Allyl chloride

Concen: 23.297 ug/l

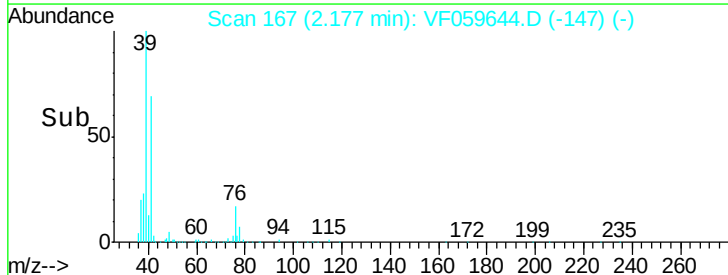
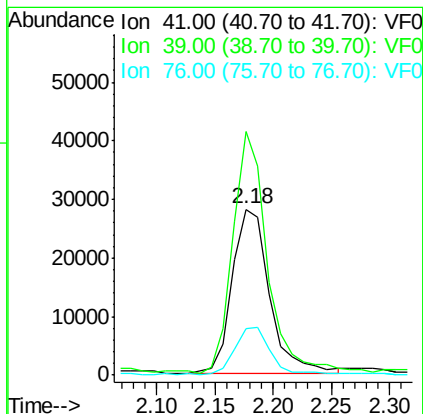
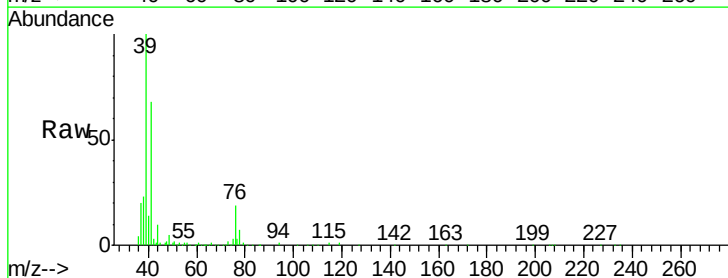
RT: 2.18 min Scan# 167

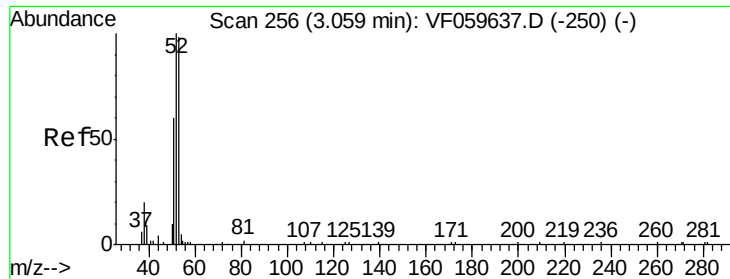
Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	41	Resp:	62385
Ion Ratio	Lower	Upper	
41	100		
39	147.0	108.6	162.8
76	28.3	23.0	34.6





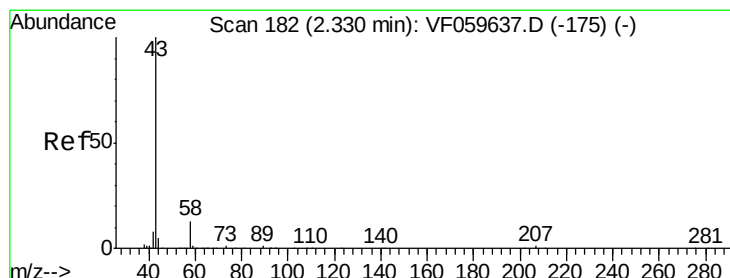
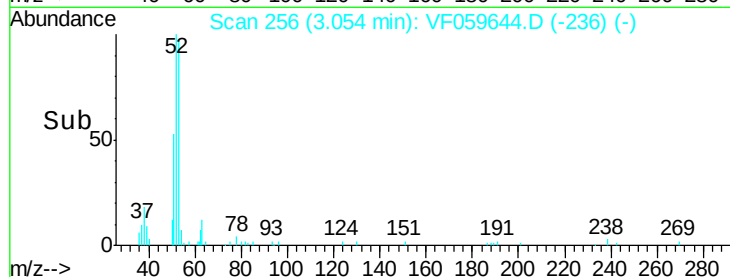
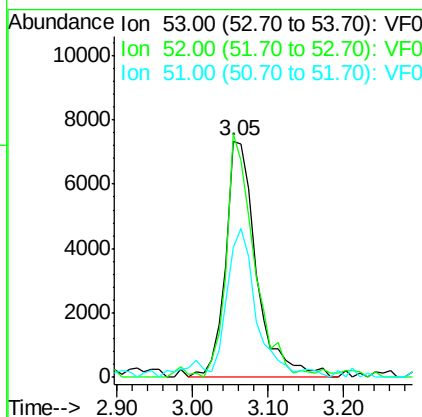
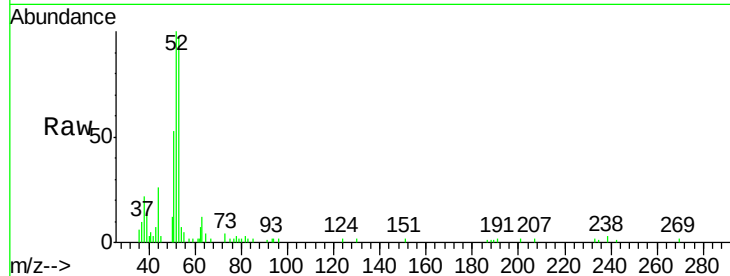
#15
 Acrylonitrile
 Concen: 102.797 ug/l
 RT: 3.05 min Scan# 256
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0724SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	103.0	80.9	121.3
51	54.8	49.4	74.2

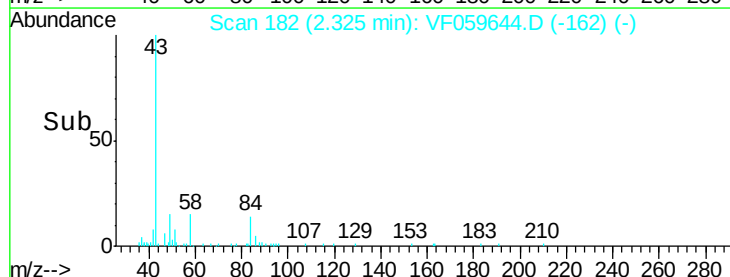
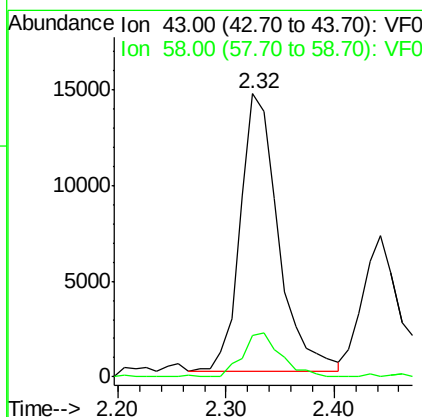
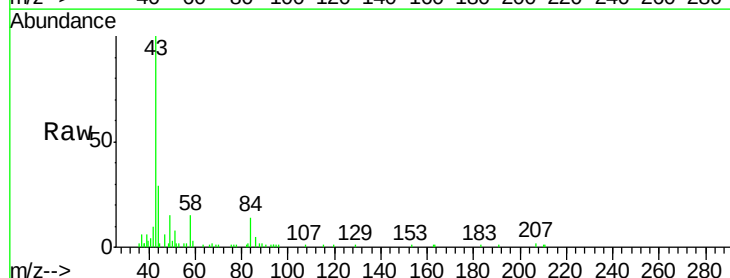
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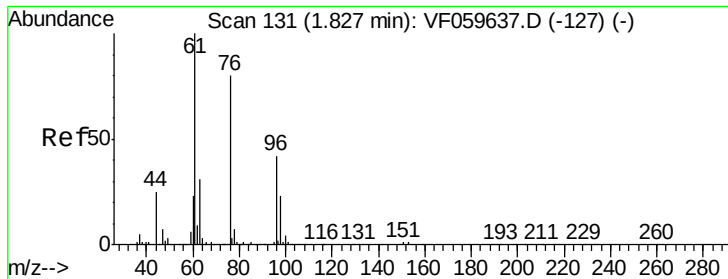
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#16
 Acetone
 Concen: 72.159 ug/l
 RT: 2.32 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.5	10.2	15.2





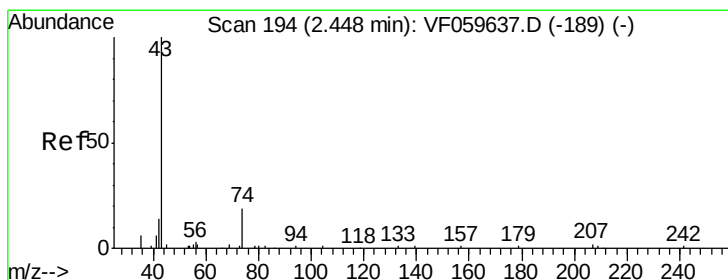
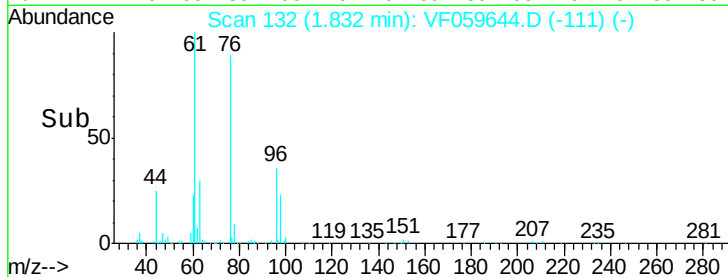
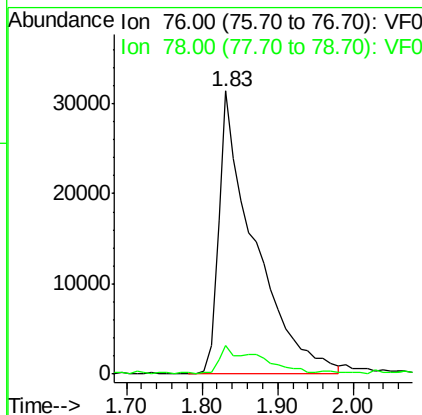
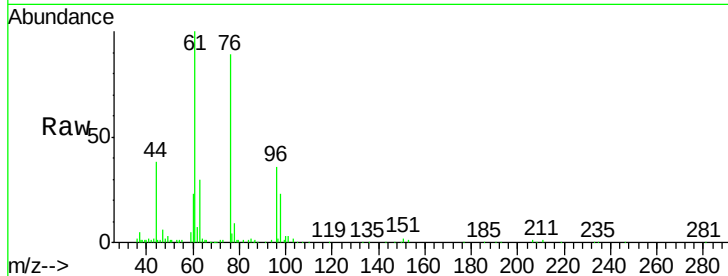
#17
Carbon Disulfide
Concen: 26.252 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

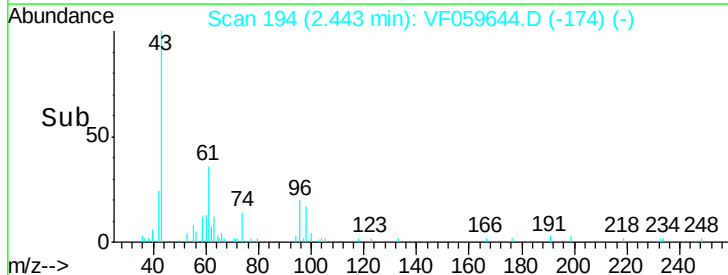
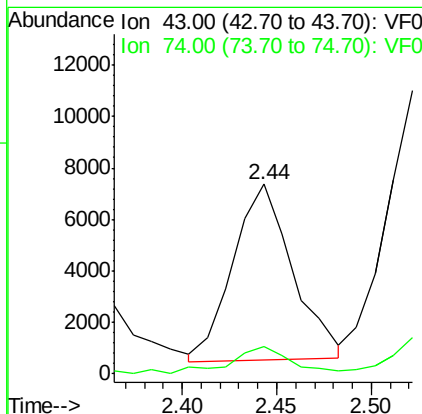
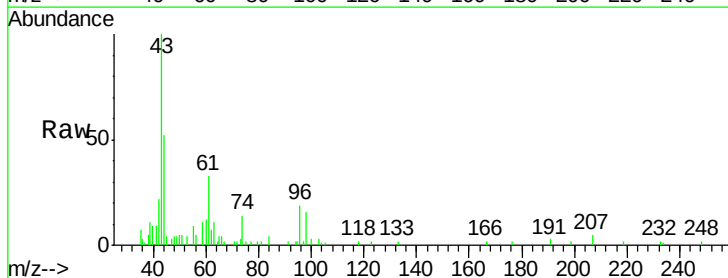
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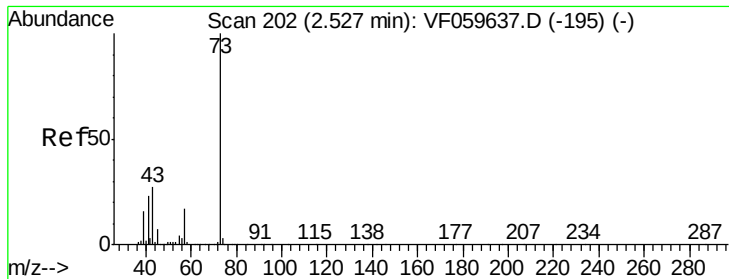
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#18
Methyl Acetate
Concen: 17.662 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.4	13.0	19.6





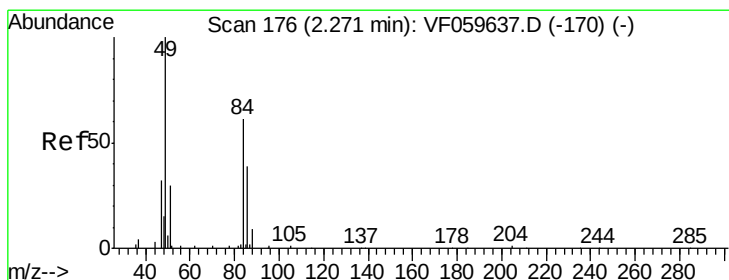
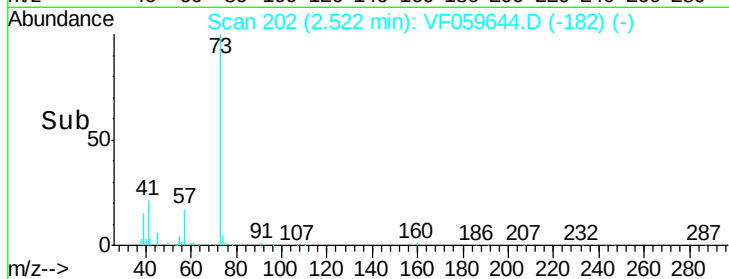
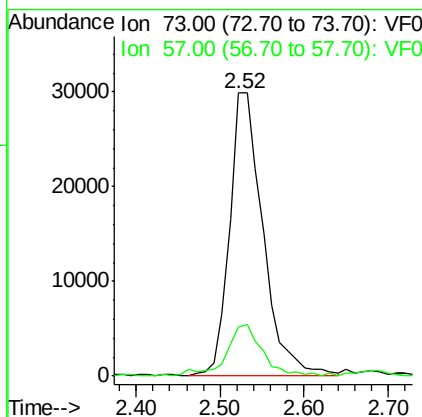
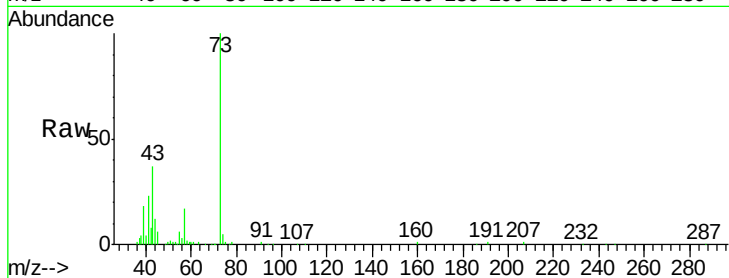
#19
Methyl tert-butyl Ether
Concen: 20.461 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	73	Resp	83329
Ion Ratio	100	Lower	Upper
73	100	14.2	21.4
57	17.4		

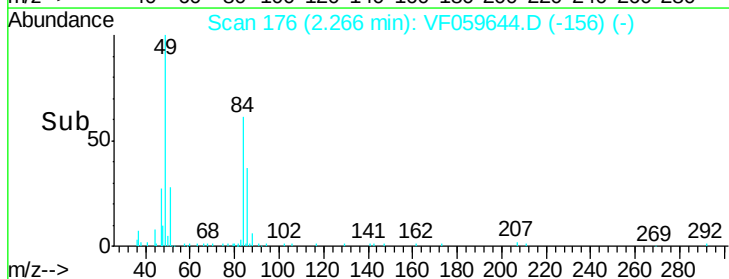
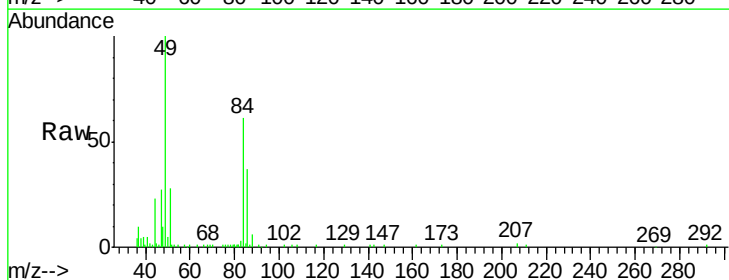
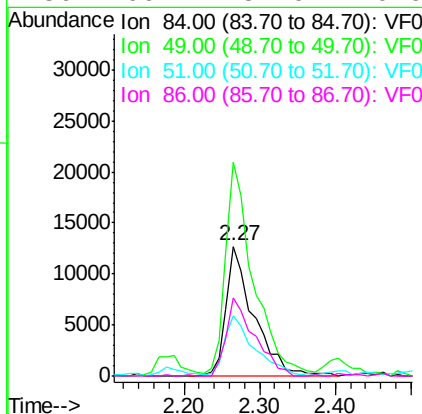
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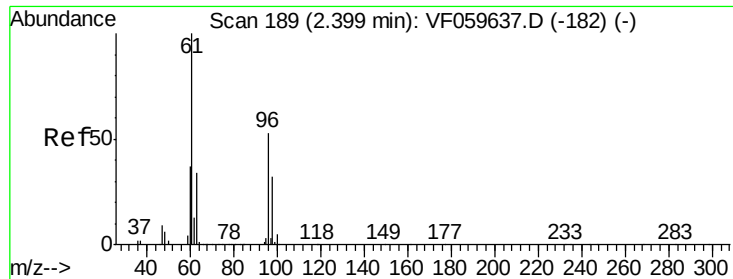
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#20
Methylene Chloride
Concen: 21.436 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	84	Resp	32293
Ion Ratio	100	Lower	Upper
84	100	133.8	200.8
49	164.9	41.1	61.7
51	46.6	51.0	76.6
86	60.4		





#21

trans-1,2-Dichloroethene

Concen: 23.405 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

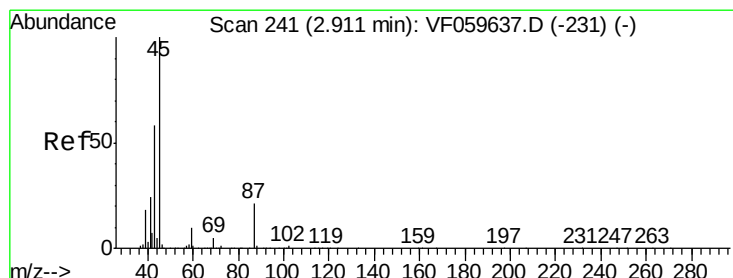
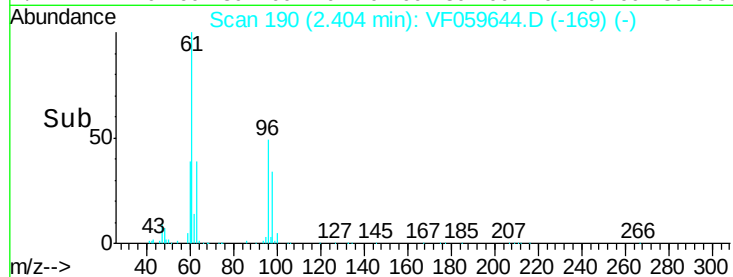
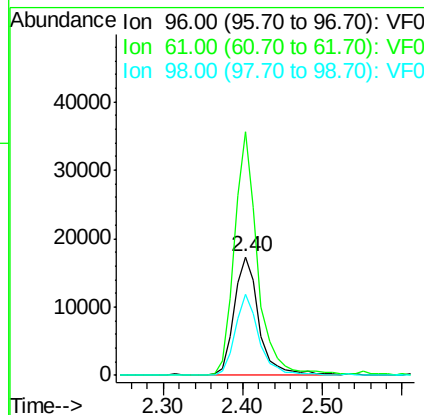
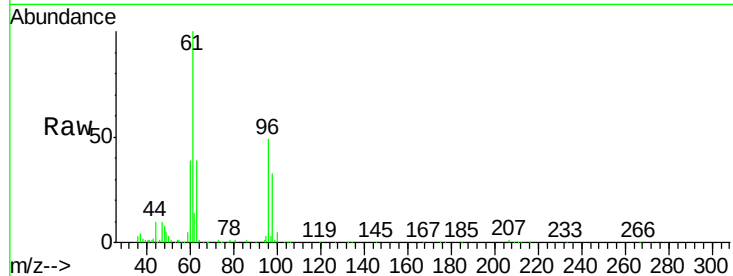
ClientSampleId :

VF0724SBS01

Tot Ion:	96	Resp:	37972
Ion	Ratio	Lower	Upper
96	100		
61	205.4	151.4	227.2
98	68.3	49.0	73.6

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#22

Diisopropyl ether

Concen: 21.626 ug/l

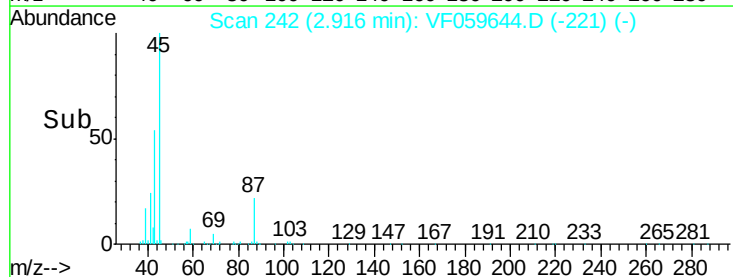
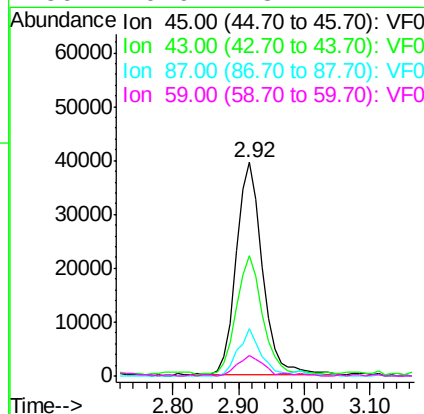
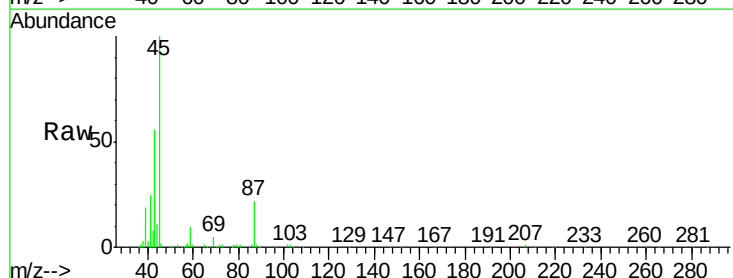
RT: 2.92 min Scan# 242

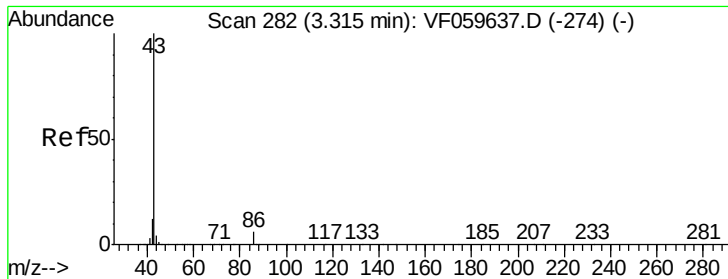
Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	45	Resp:	111076
Ion	Ratio	Lower	Upper
45	100		
43	56.1	46.5	69.7
87	22.0	16.5	24.7
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 103.045 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

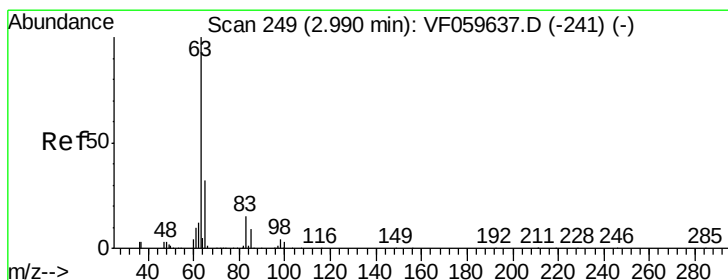
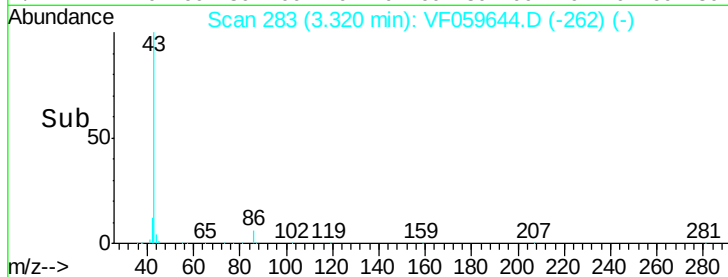
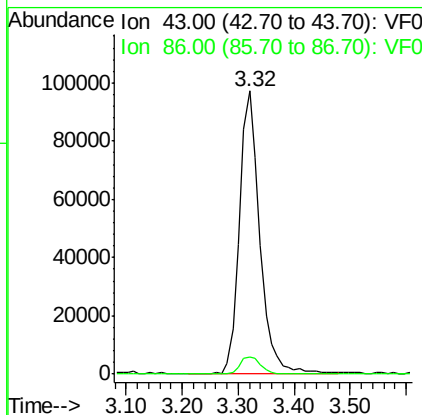
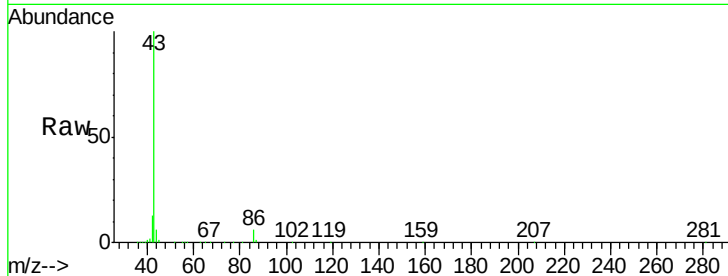
ClientSampleId :

VF0724SBS01

Tot Ion	43	Resp	244157
Ion	Ratio	Lower	Upper
43	100		
86	6.1	4.5	6.7

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 22.329 ug/l

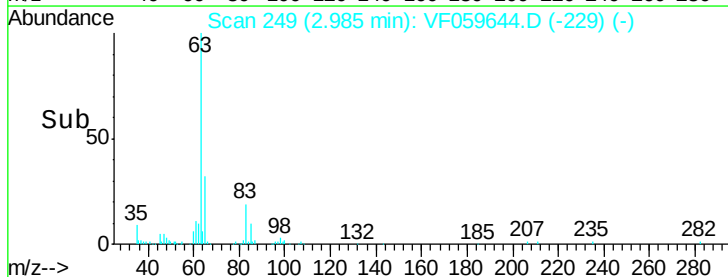
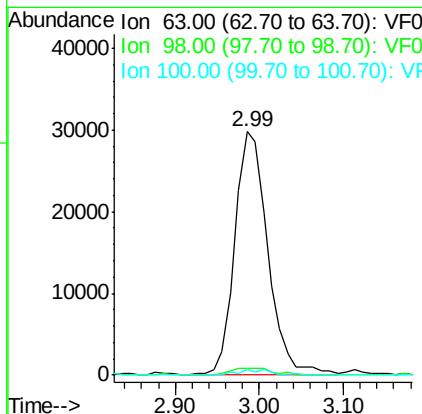
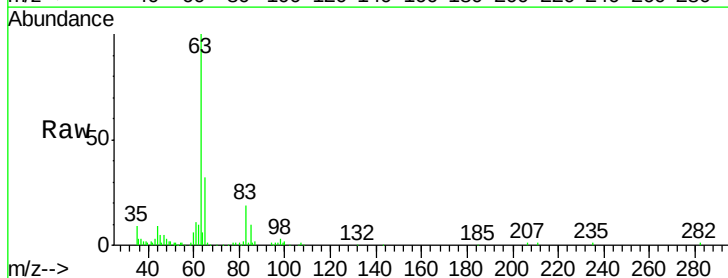
RT: 2.99 min Scan# 249

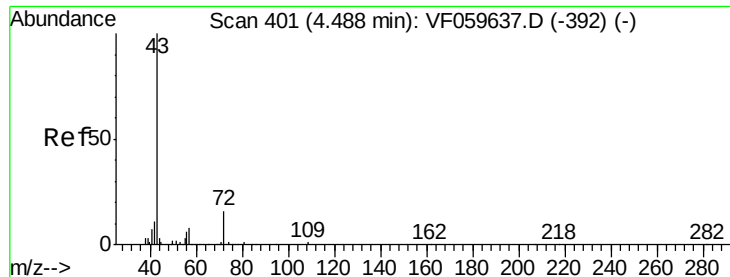
Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion	63	Resp	81584
Ion	Ratio	Lower	Upper
63	100		
98	2.8	1.8	5.5
100	2.2	1.3	3.9





#25

2-Butanone

Concen: 92.410 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion: 43 Resp: 54584

Ion Ratio Lower Upper

43 100

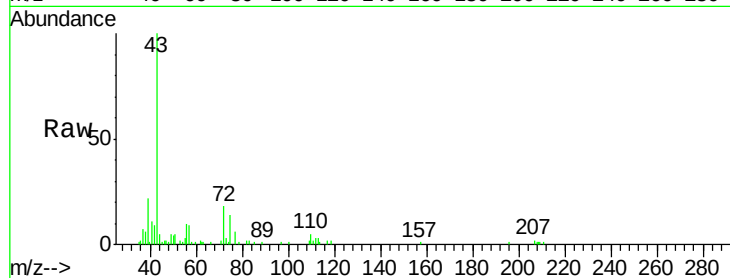
72 17.9 13.5 20.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

15000

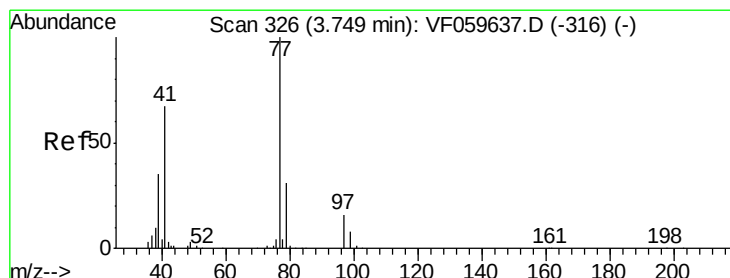
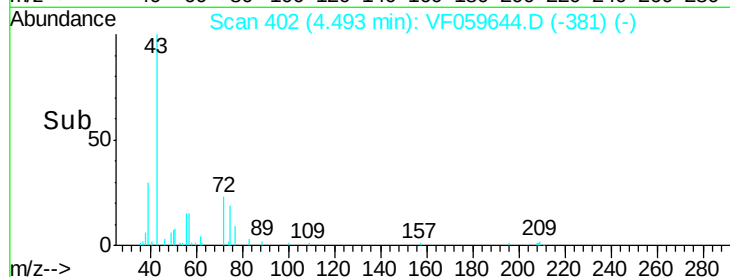
10000

5000

0

4.30 4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 23.062 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059644.D

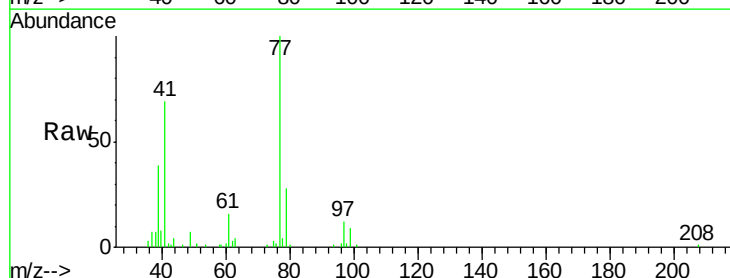
Acq: 24 Jul 2018 21:40

Tgt Ion: 77 Resp: 67564

Ion Ratio Lower Upper

77 100

97 12.1 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

20000

15000

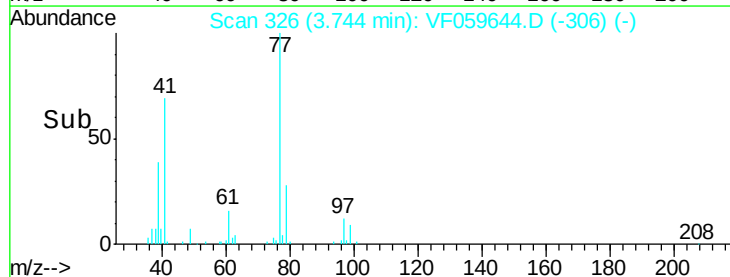
10000

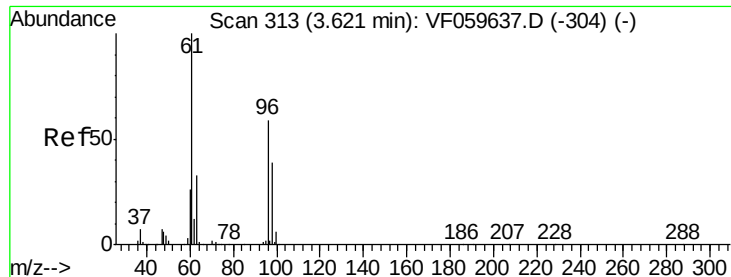
5000

0

3.60 3.70 3.80 3.90

Time-->





#27

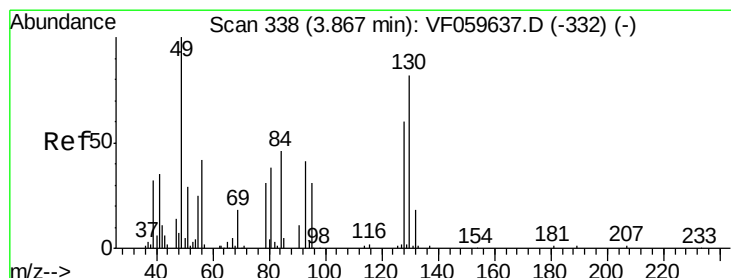
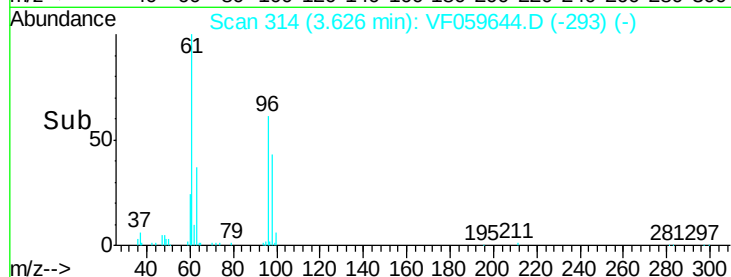
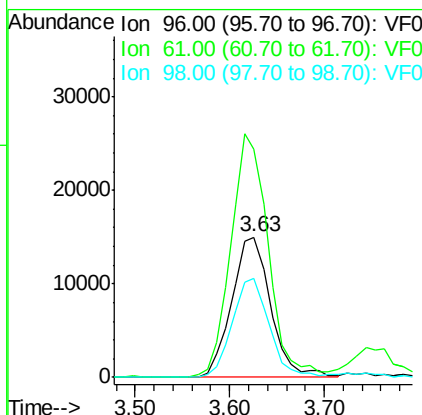
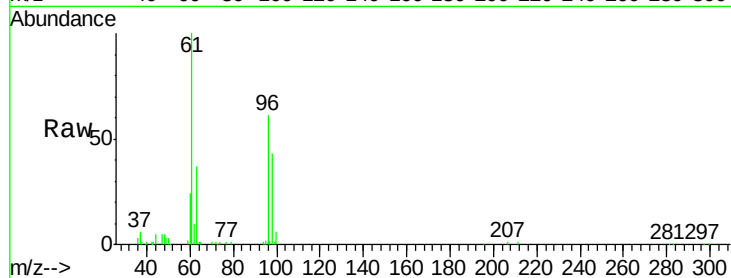
cis-1,2-Dichloroethene
Concen: 21.651 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	42990		
61	163.1	0.0	337.4	
98	70.4	0.0	132.8	

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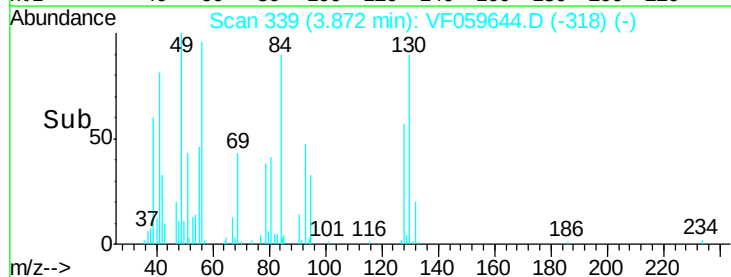
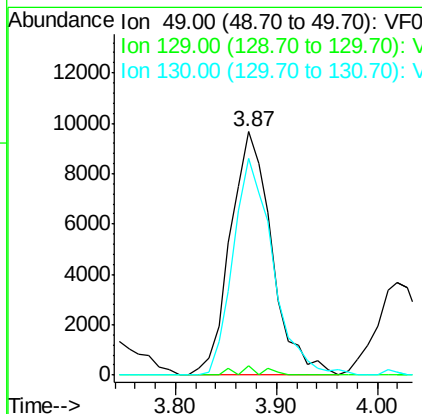
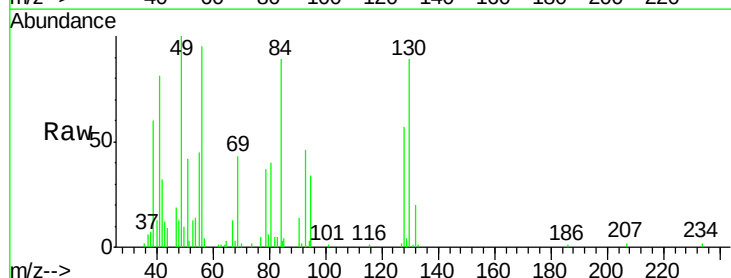
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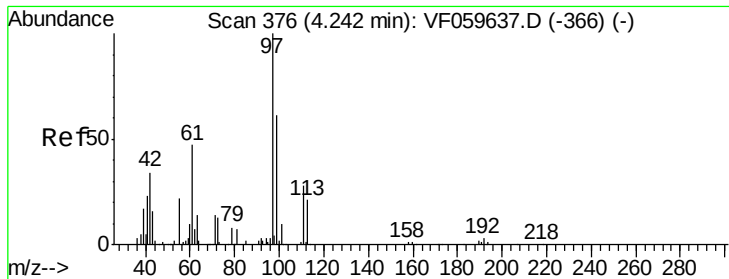


#28

Bromochloromethane
Concen: 20.904 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27755		
129	3.7	0.0	4.6	
130	89.3	65.0	97.4	





#29

Tetrahydrofuran

Concen: 95.346 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

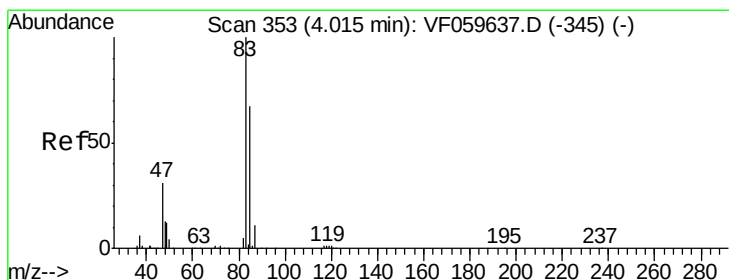
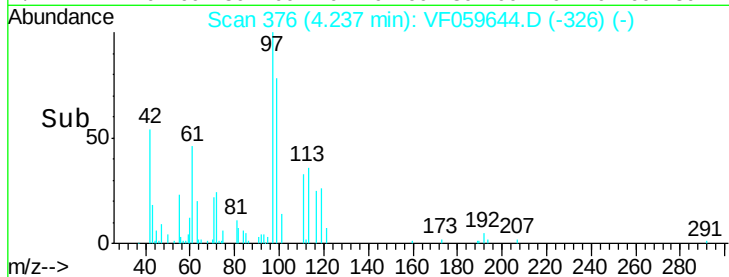
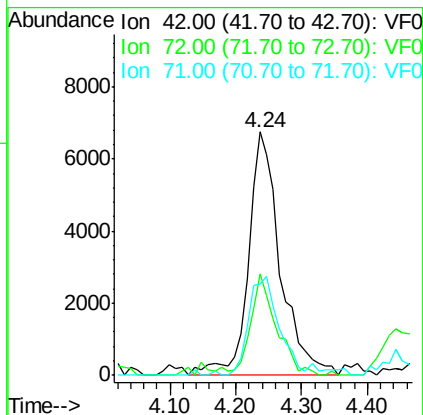
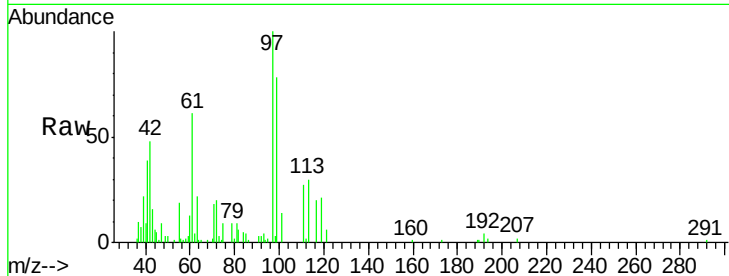
VF0724SBS01

Tot Ion:	42	Resp:	22903
Ion Ratio	Lower	Upper	
42	100		
72	33.8	30.0	45.0
71	38.6	28.6	42.8

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#30

Chloroform

Concen: 21.666 ug/l

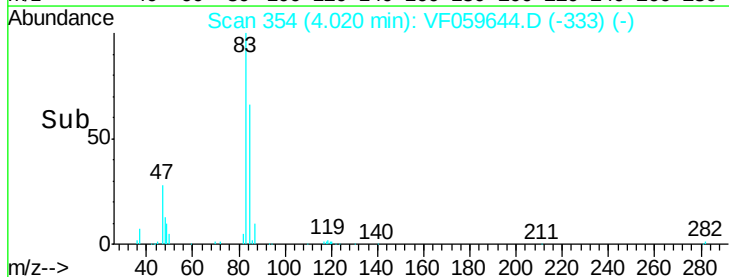
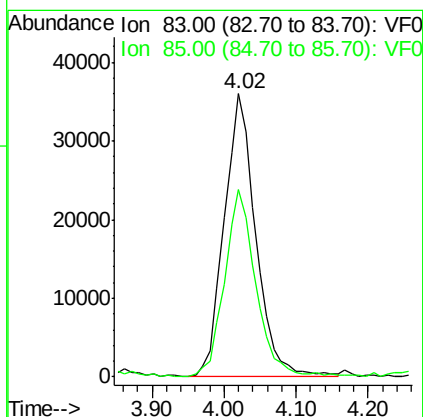
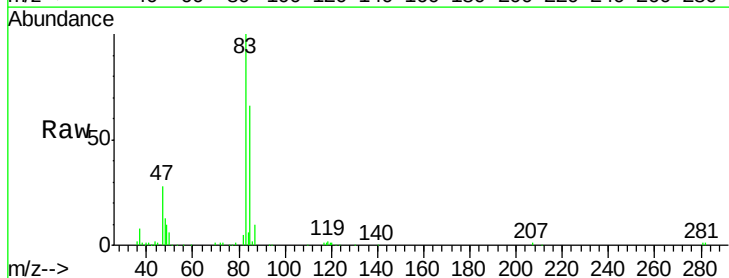
RT: 4.02 min Scan# 354

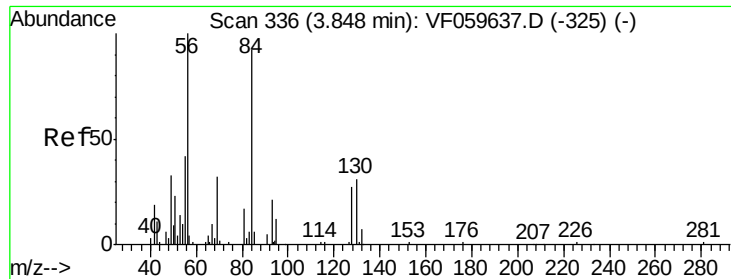
Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	83	Resp:	109828
Ion Ratio	Lower	Upper	
83	100		
85	66.0	53.8	80.8





#31

Cyclohexane

Concen: 25.615 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

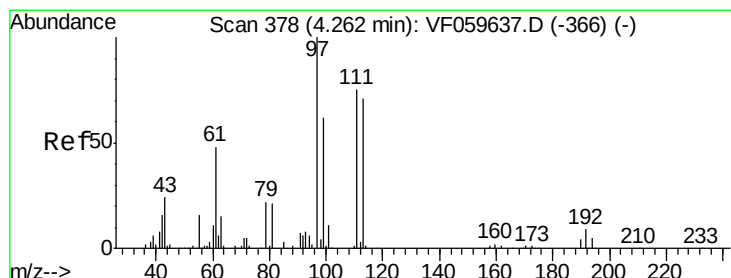
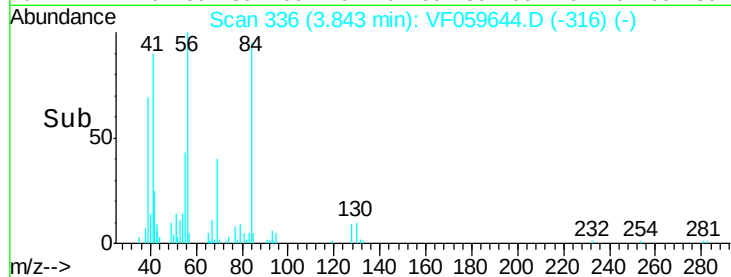
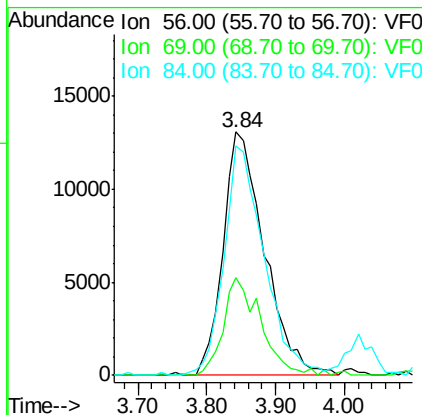
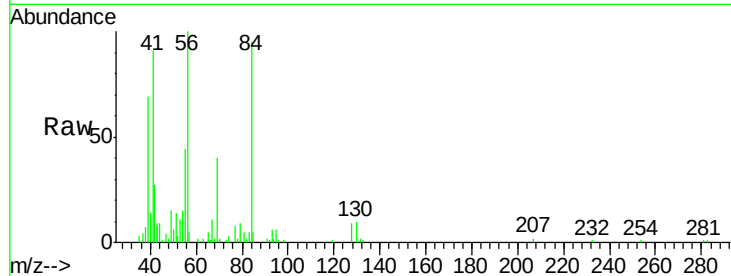
ClientSampleId :

VF0724SBS01

Tot Ion:	56	Resp:	54478
Ion Ratio	Lower	Upper	
56	100		
69	40.1	26.0	39.0#
84	94.5	73.5	110.3

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#32

1,1,1-Trichloroethane

Concen: 23.087 ug/l

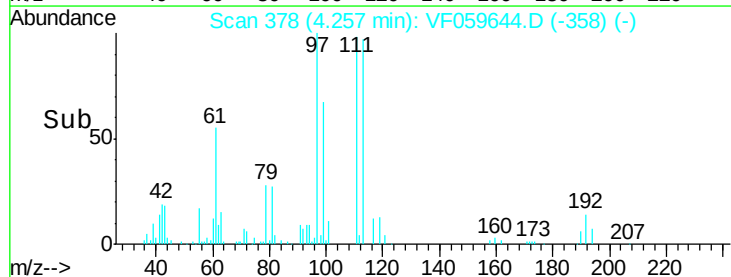
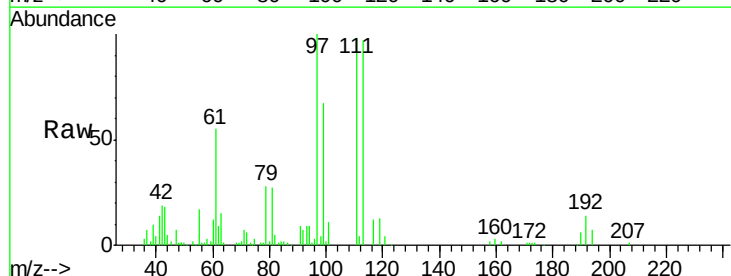
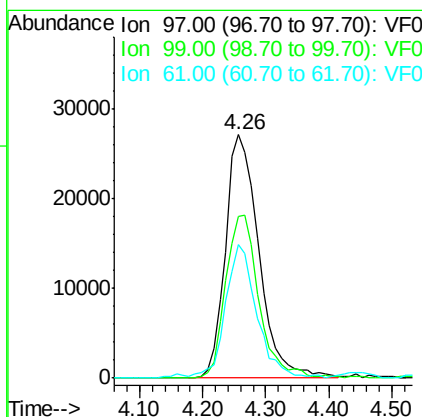
RT: 4.26 min Scan# 378

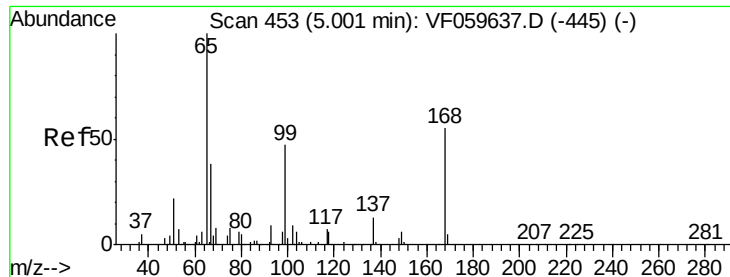
Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	97	Resp:	99736
Ion Ratio	Lower	Upper	
97	100		
99	66.6	49.8	74.6
61	55.0	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 48.352 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion: 65 Resp: 152121

Ion Ratio Lower Upper

65 100

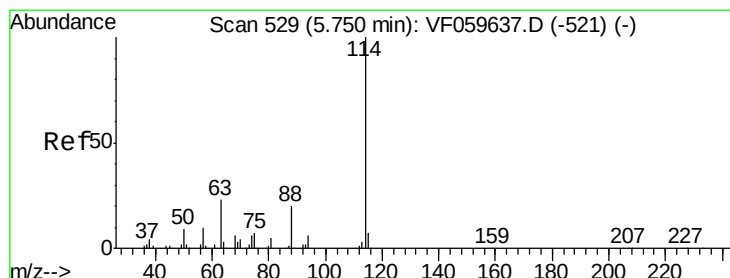
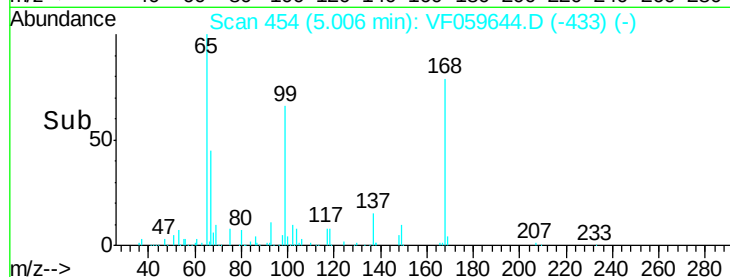
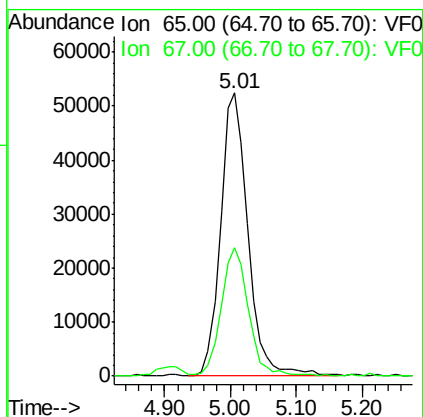
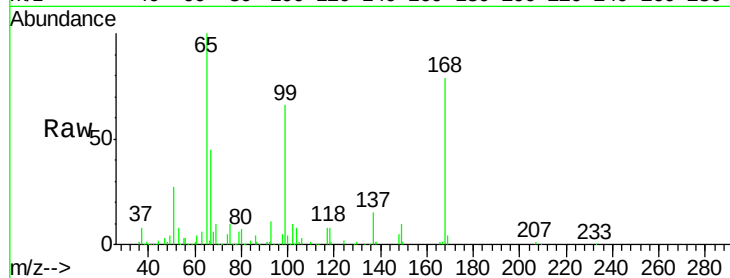
67 45.3 0.0 86.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

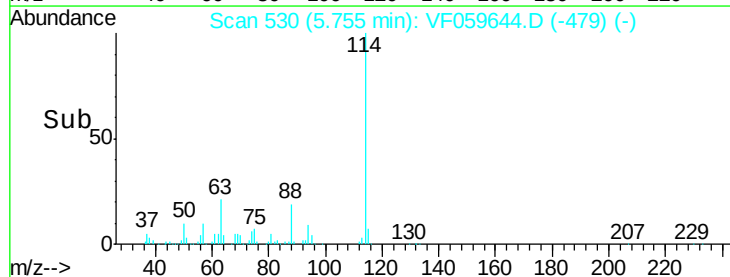
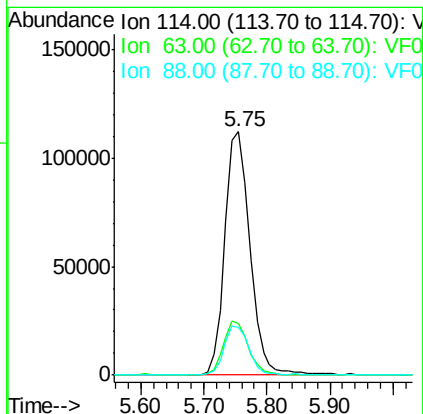
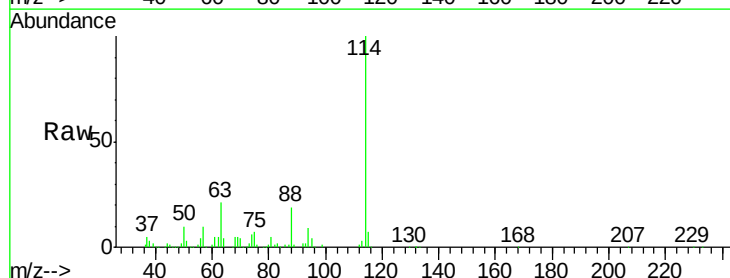
Tgt Ion: 114 Resp: 311263

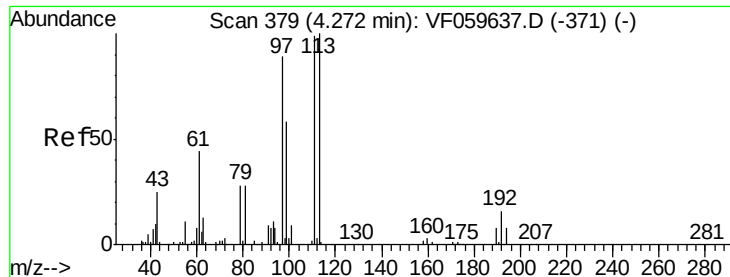
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.6

88 19.5 0.0 40.8





#35

Dibromofluoromethane

Concen: 52.024 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

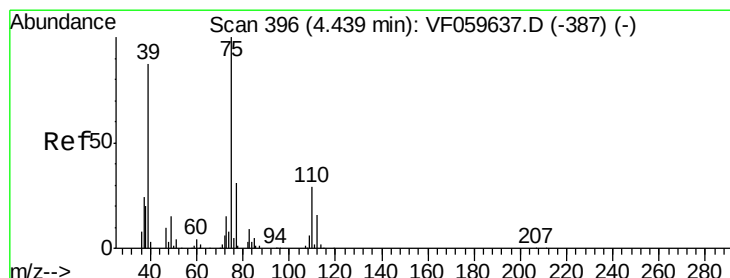
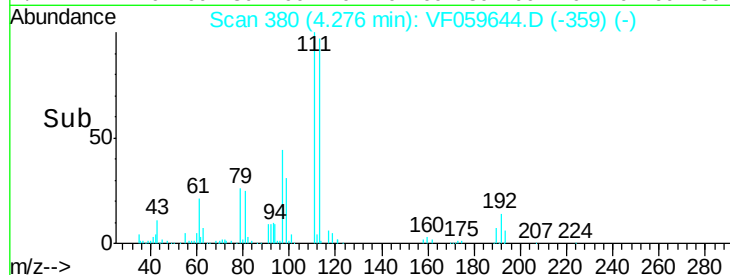
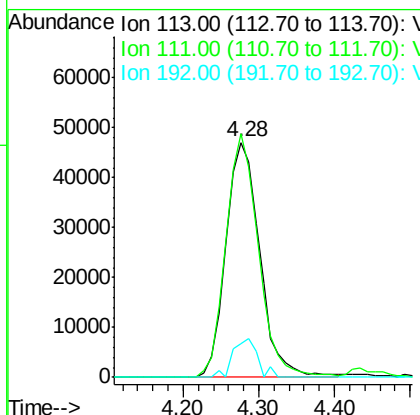
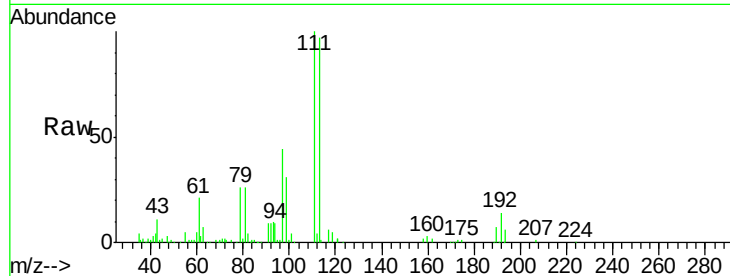
ClientSampleId :

VF0724SBS01

Tot Ion:	113	Resp:	145732
Ion	Ratio	Lower	Upper
113	100		
111	103.6	79.3	118.9
192	14.5	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 24.893 ug/l

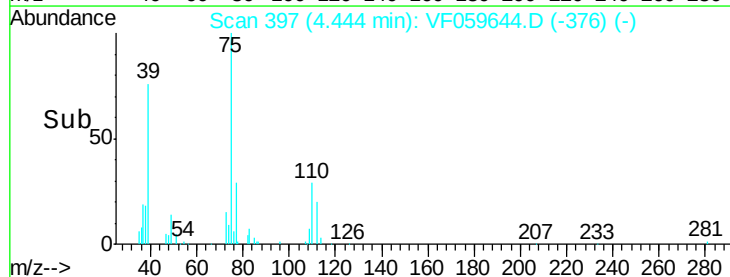
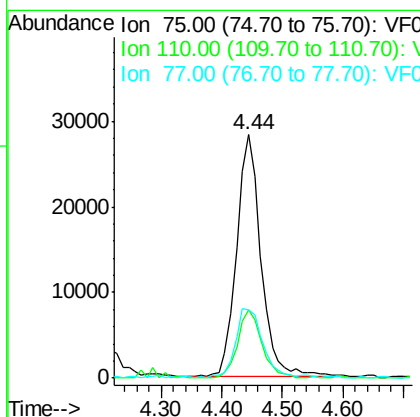
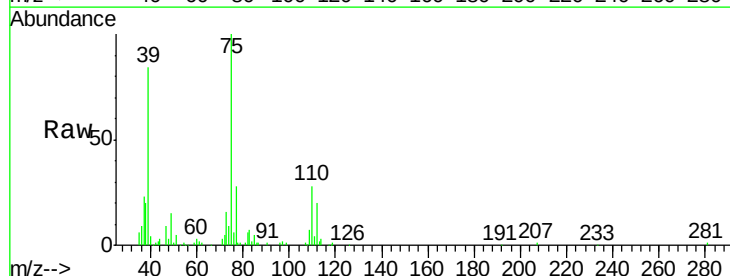
RT: 4.44 min Scan# 397

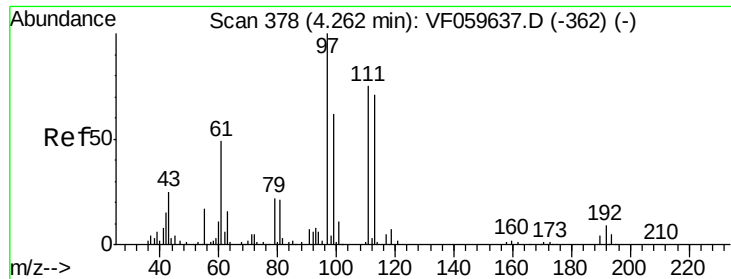
Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	75	Resp:	79386
Ion	Ratio	Lower	Upper
75	100		
110	28.1	14.6	43.8
77	28.2	24.4	36.6





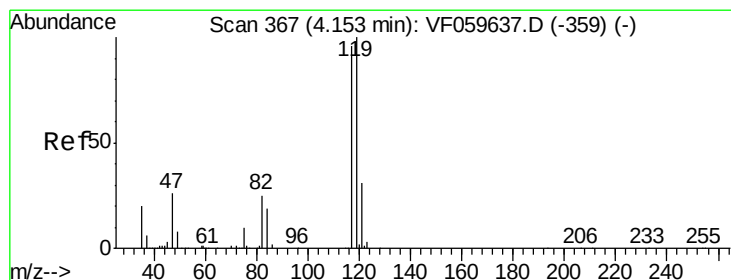
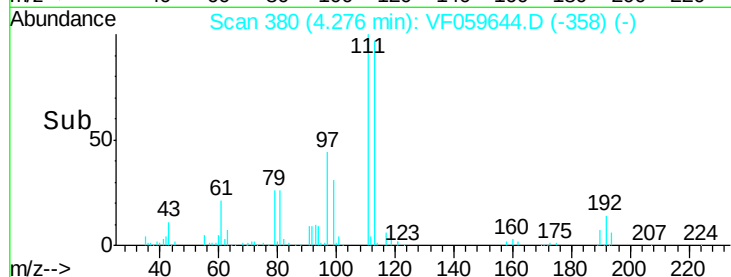
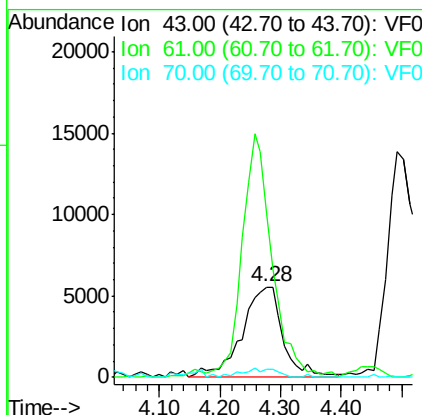
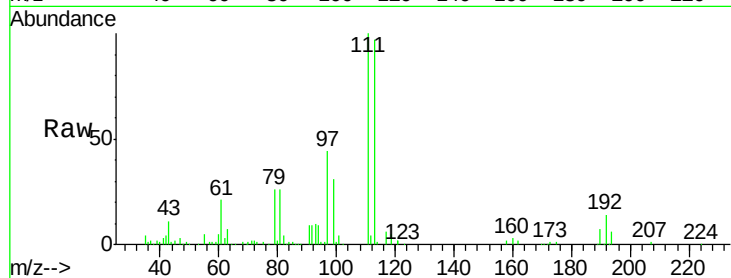
#37
Ethyl Acetate
Concen: 21.234 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	43	61	70
Resp	26048	182.9	9.4
Ratio	100	156.6	7.3
Lower		234.8	10.9
Upper			

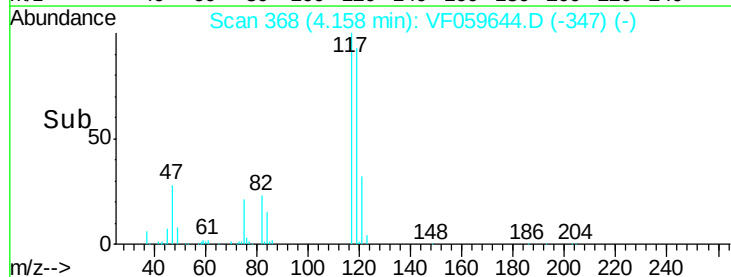
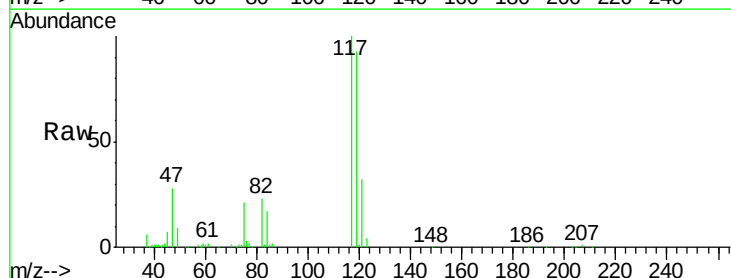
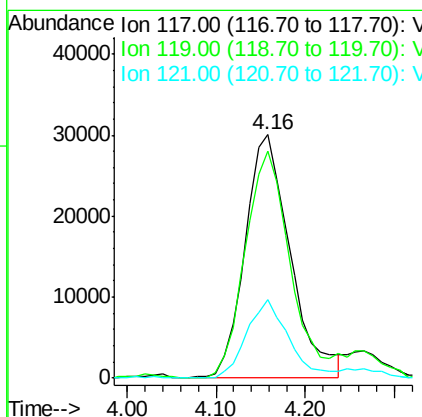
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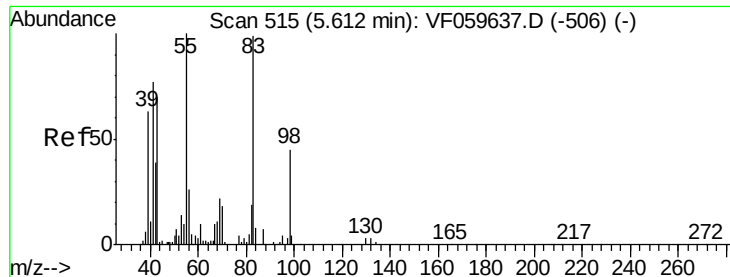
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#38
Carbon Tetrachloride
Concen: 24.058 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	117	119	121
Resp	105874	93.4	32.1
Ratio	100	83.0	26.2
Lower		124.6	39.4
Upper			





#39

Methylvlcyclohexane

Concen: 25.674 ug/l

RT: 5.61 min Scan# 515

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

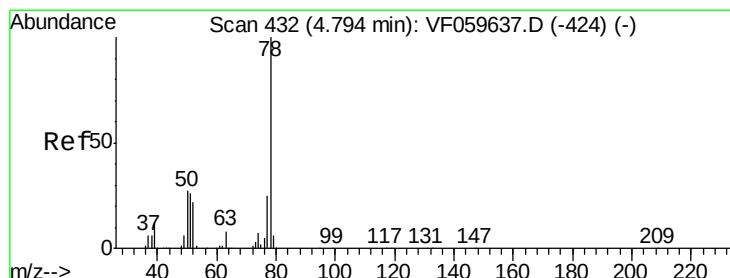
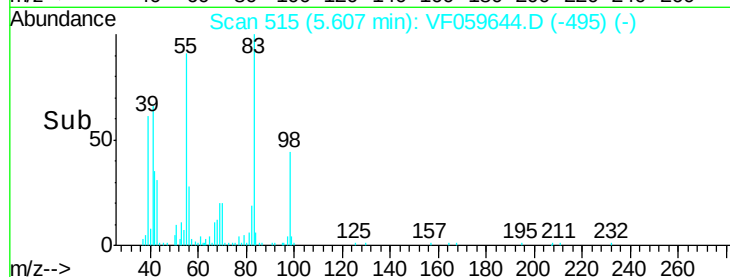
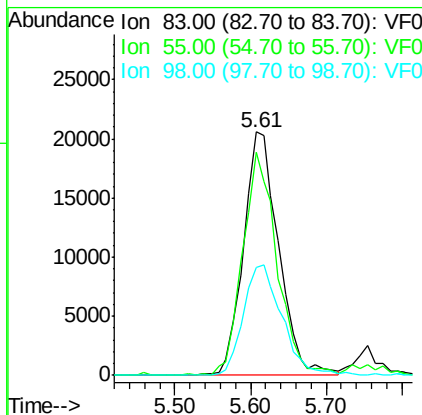
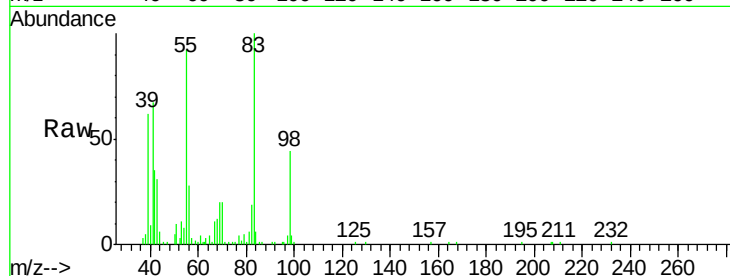
VF0724SBS01

Tot Ion:	83	Resp:	66406
Ion	Ratio	Lower	Upper
83	100		
55	91.9	81.5	122.3
98	44.1	36.7	55.1

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#40

Benzene

Concen: 24.231 ug/l

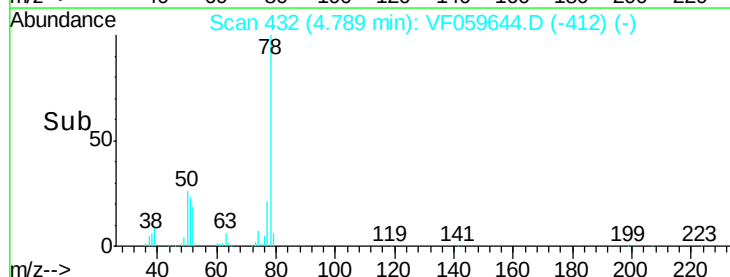
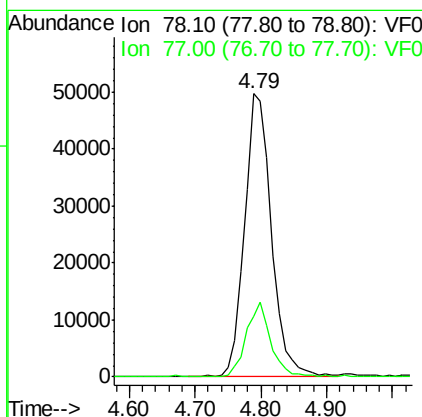
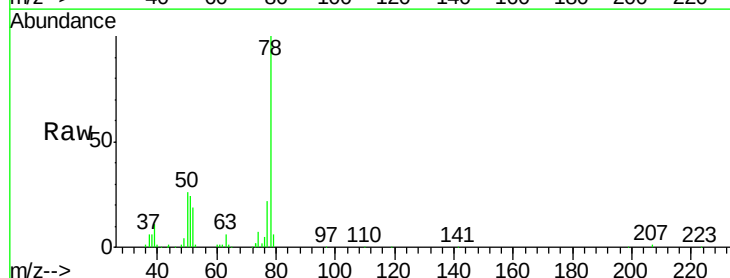
RT: 4.79 min Scan# 432

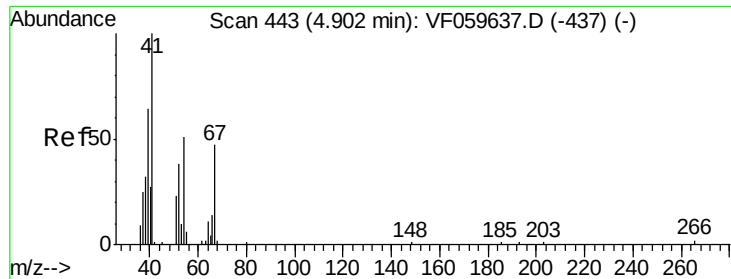
Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	78	Resp:	142944
Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.8	29.6





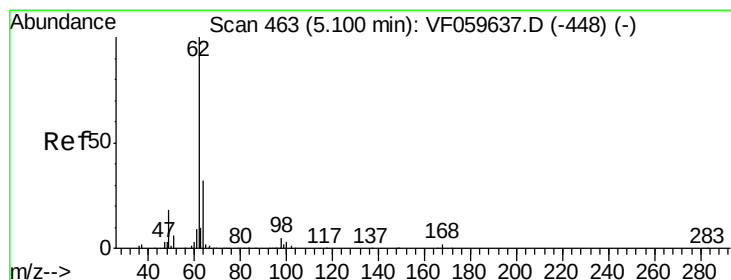
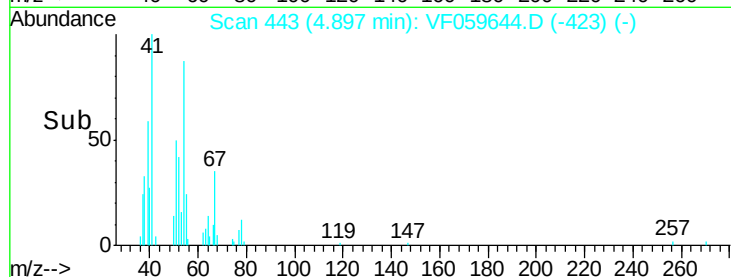
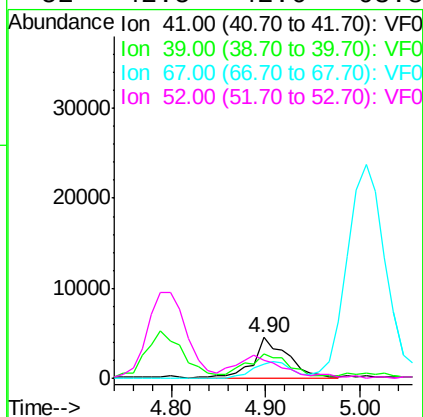
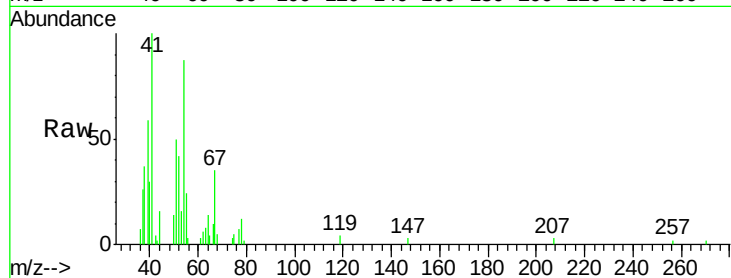
#41
Methacrylonitrile
Concen: 19.683 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.7	56.9	85.3
67	35.4	36.6	54.8#
52	42.5	42.6	63.8#

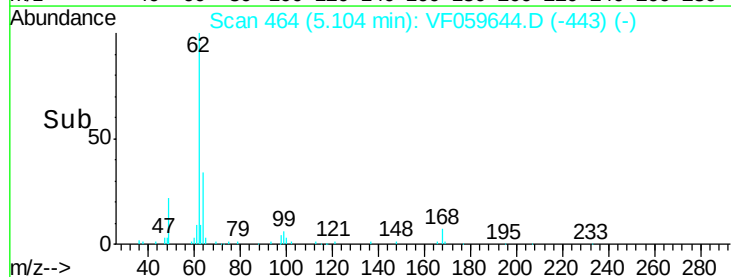
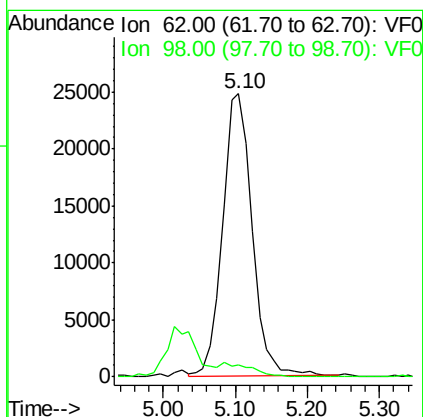
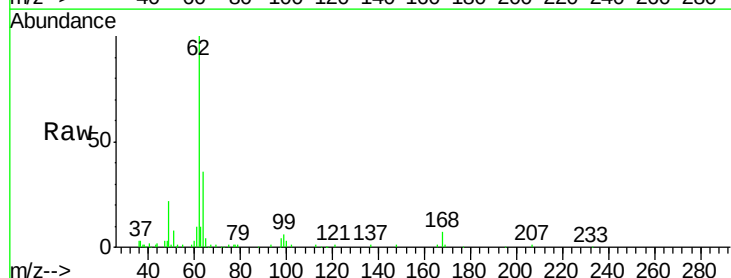
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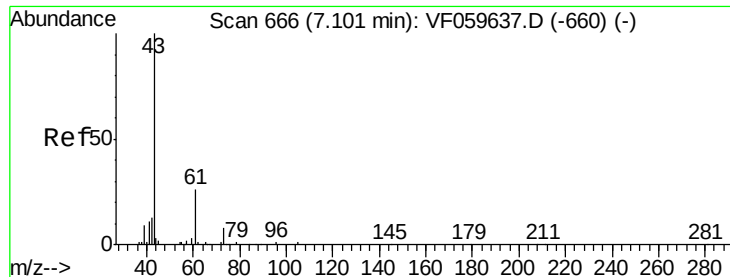
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#42
1,2-Dichloroethane
Concen: 20.143 ug/l
RT: 5.10 min Scan# 464
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	10.6





#43

Isopropyl Acetate

Concen: 18.598 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

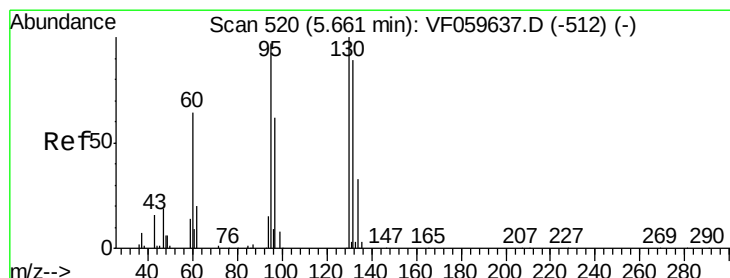
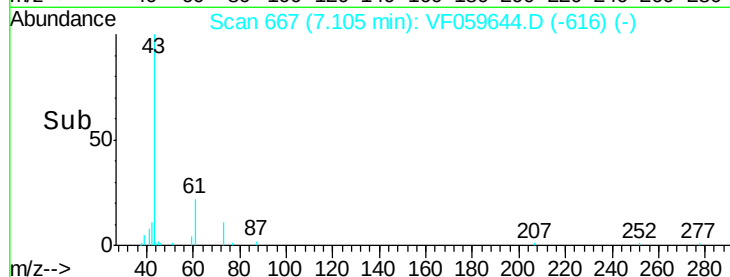
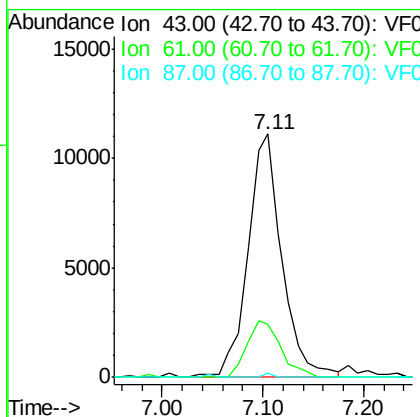
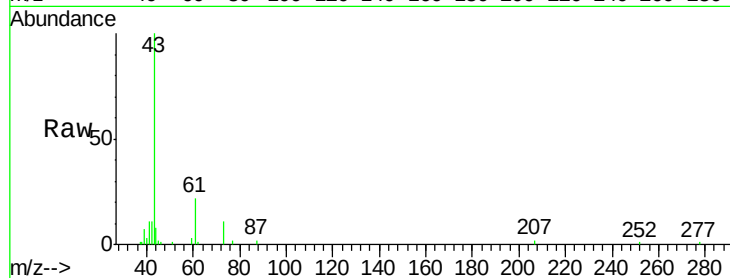
ClientSampleId :

VF0724SBS01

Tot Ion:	43	Resp:	26085
Ion Ratio	Lower	Upper	
43	100		
61	21.8	20.5	30.7
87	1.9	0.4	0.6

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#44

Trichloroethene

Concen: 23.471 ug/l

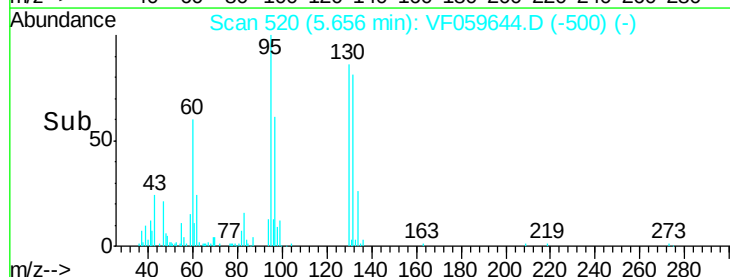
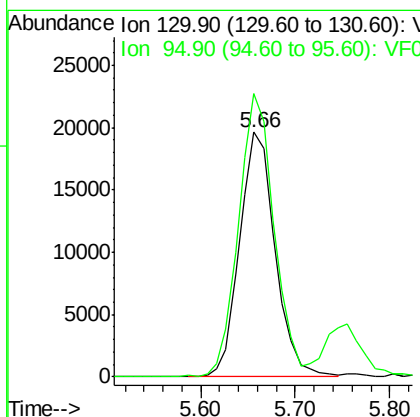
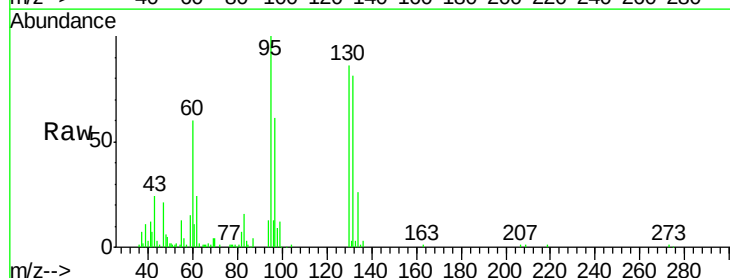
RT: 5.66 min Scan# 520

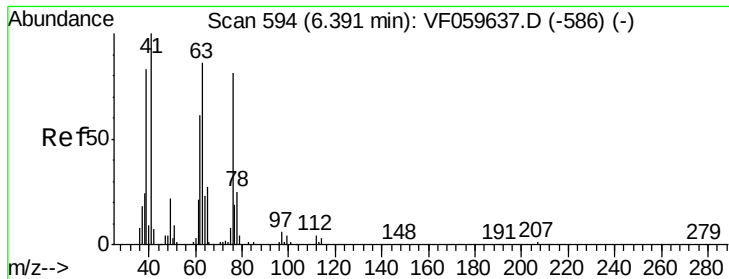
Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	130	Resp:	51106
Ion Ratio	Lower	Upper	
130	100		
95	115.7	0.0	193.4





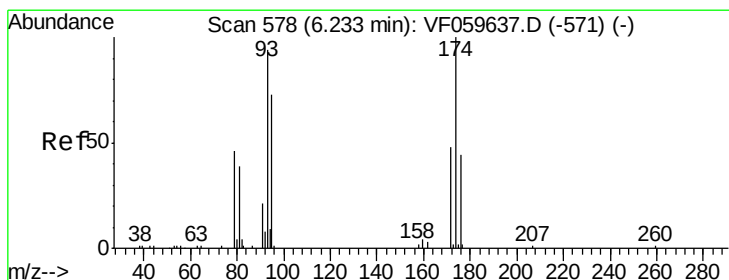
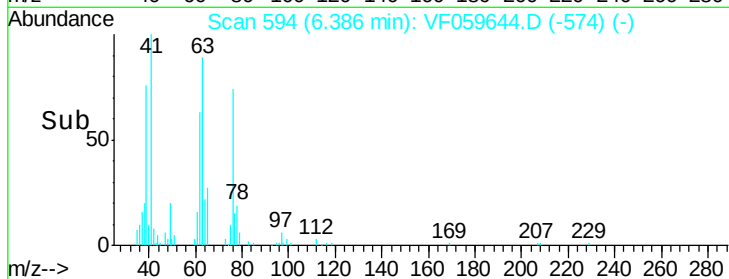
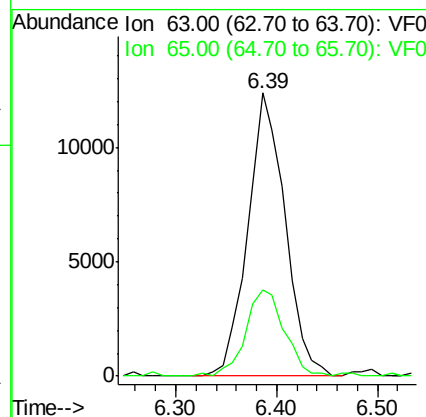
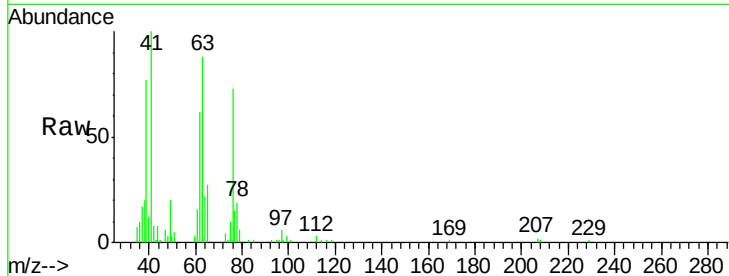
#45
 1,2-Dichloropropane
 Concen: 21.266 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0724SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.1	37.7

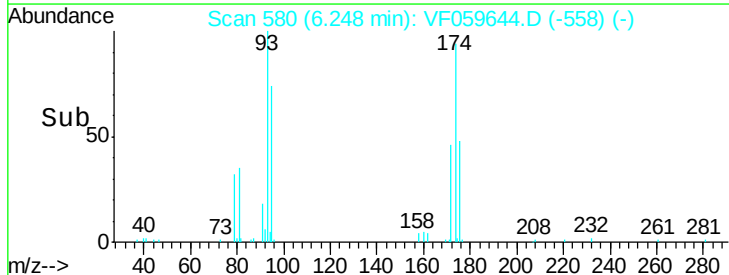
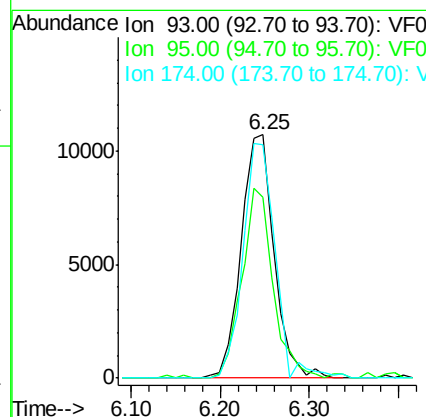
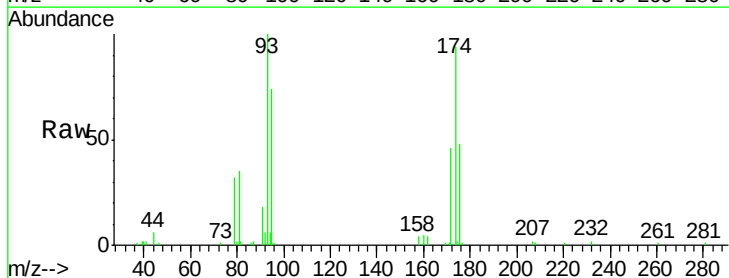
Manual Integrations
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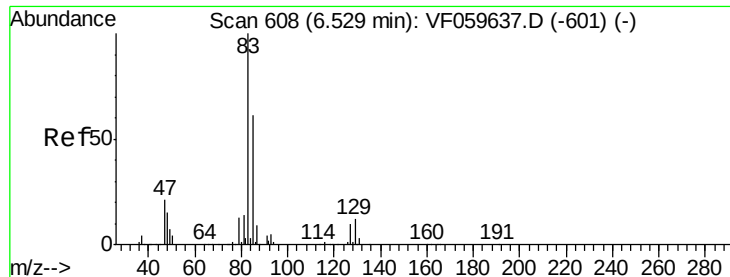
apatel
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#46
 Dibromomethane
 Concen: 21.801 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	74.1	63.1	94.7
174	96.1	85.3	127.9





#47

Bromodichloromethane

Concen: 20.816 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

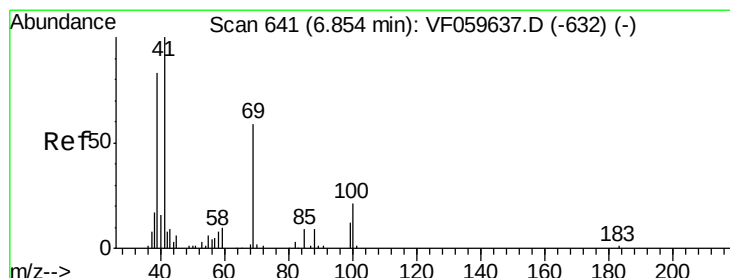
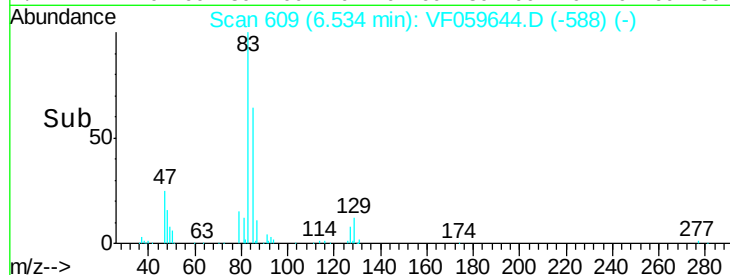
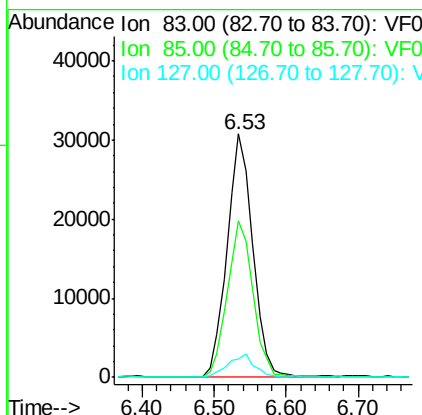
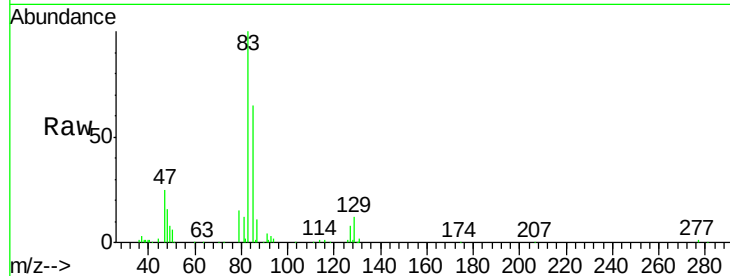
ClientSampleId :

VF0724SBS01

Tot Ion:	83	Resp:	76783
Ion	Ratio	Lower	Upper
83	100		
85	64.5	48.6	72.8
127	7.6	7.7	11.5#

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#48

Methyl methacrylate

Concen: 18.821 ug/l

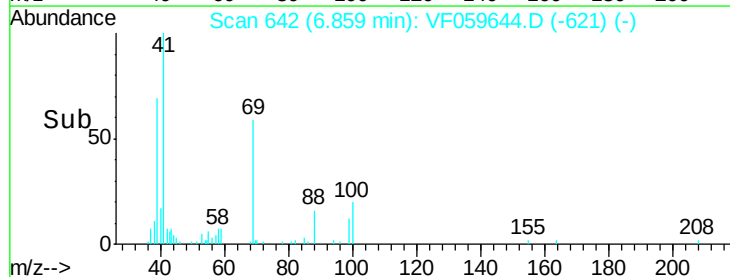
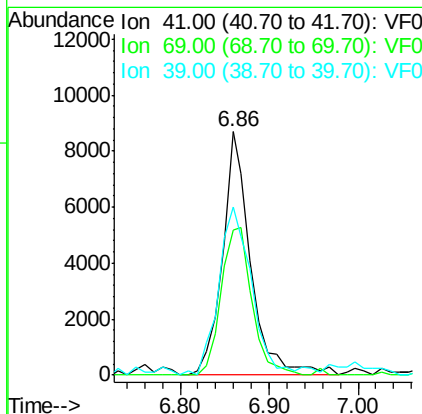
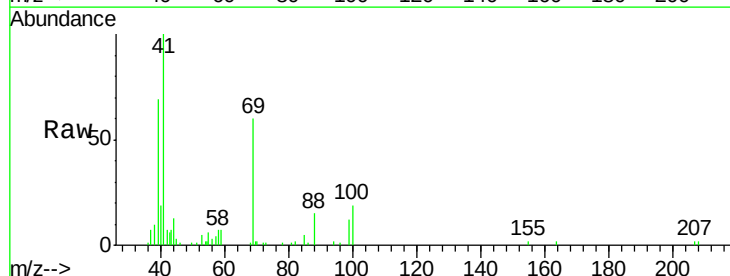
RT: 6.86 min Scan# 642

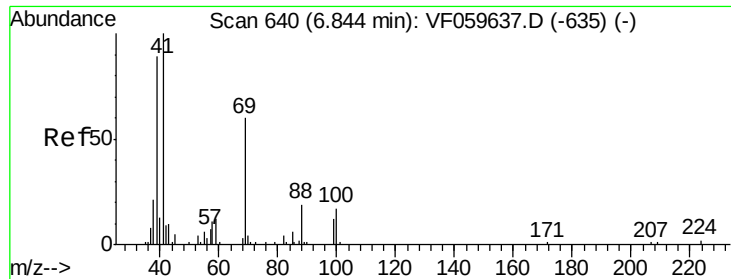
Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	41	Resp:	19432
Ion	Ratio	Lower	Upper
41	100		
69	59.7	47.5	71.3
39	69.2	67.0	100.6





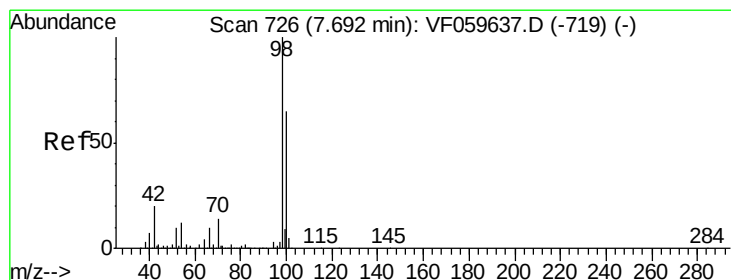
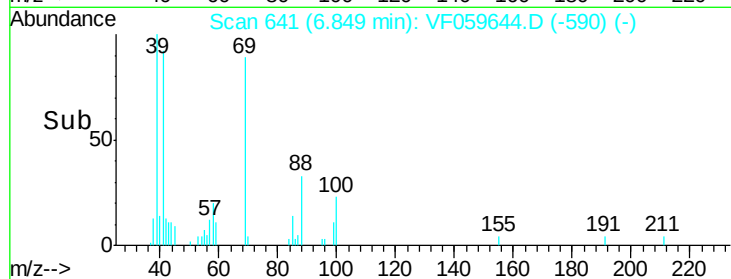
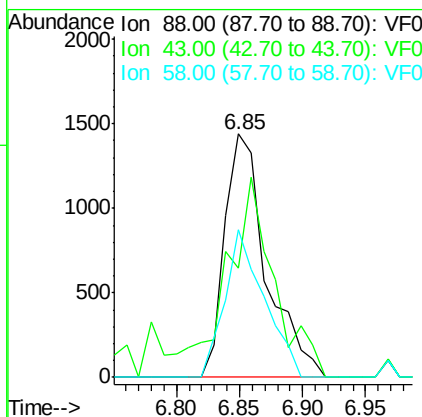
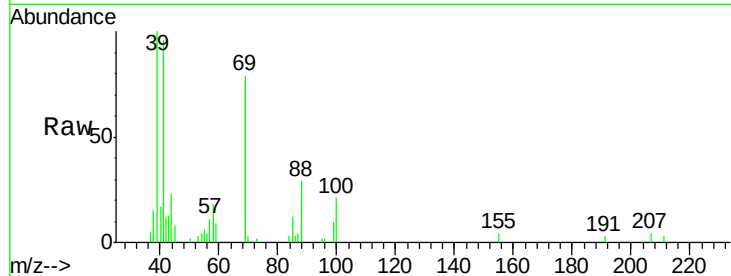
#49
1,4-Dioxane
Concen: 414.468 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.8	45.3	67.9#
58	60.4	47.7	71.5

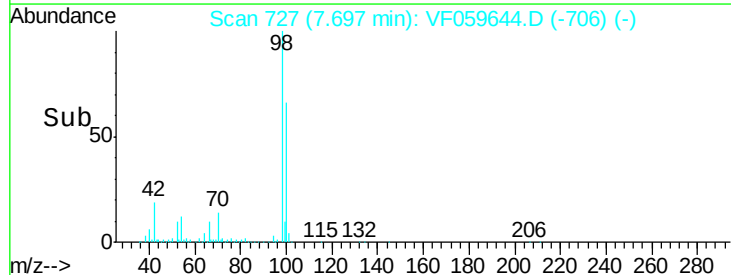
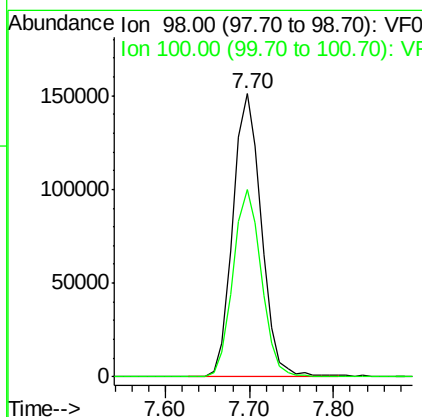
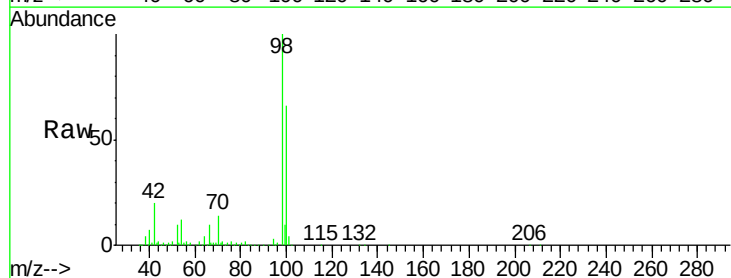
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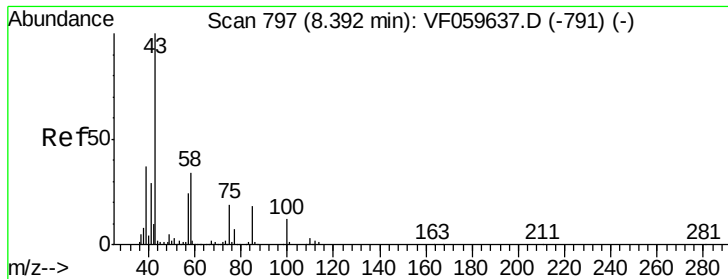
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#50
Toluene-d8
Concen: 52.140 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 100.619 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion: 43 Resp: 103722

Ion Ratio Lower Upper

43 100

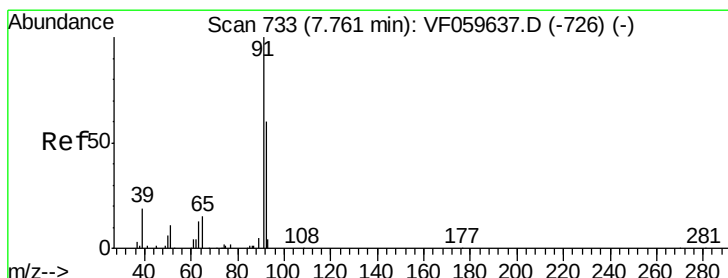
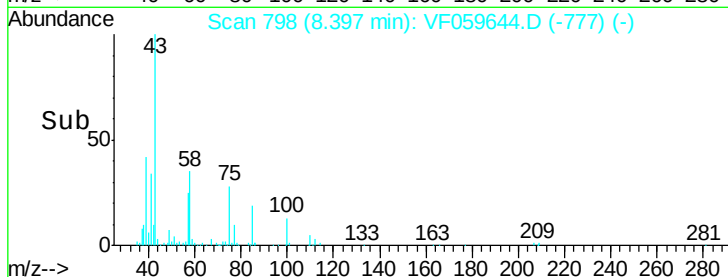
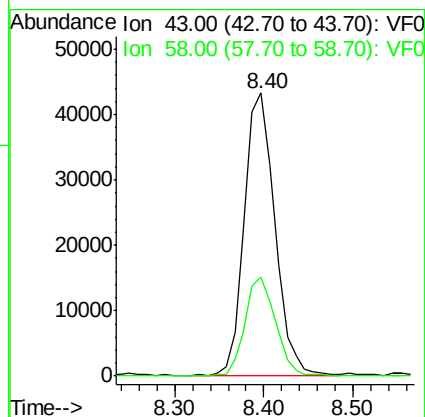
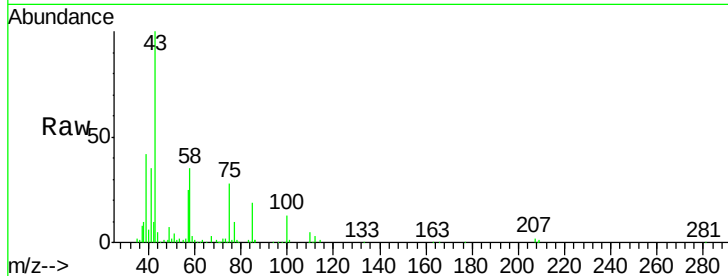
58 34.8 27.3 40.9

Manual Integrations

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#52

Toluene

Concen: 22.321 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059644.D

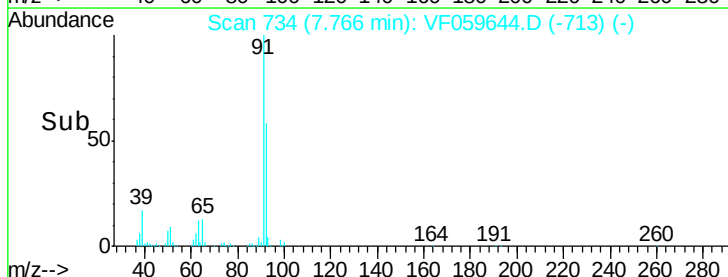
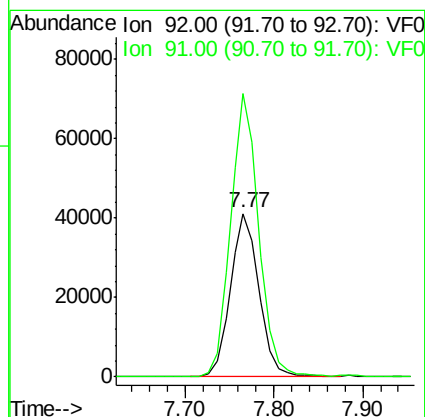
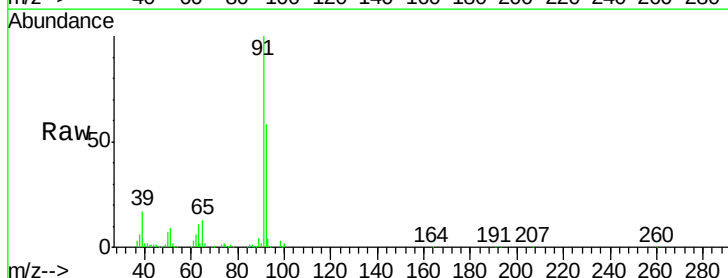
Acq: 24 Jul 2018 21:40

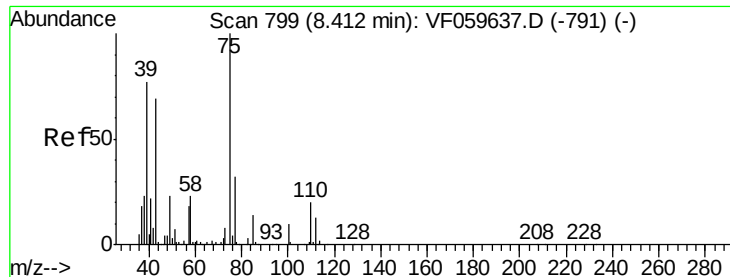
Tgt Ion: 92 Resp: 92712

Ion Ratio Lower Upper

92 100

91 173.5 134.2 201.4





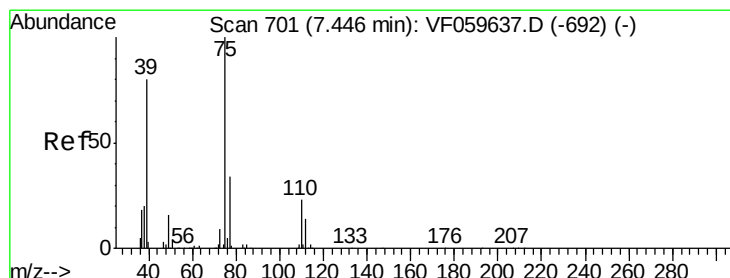
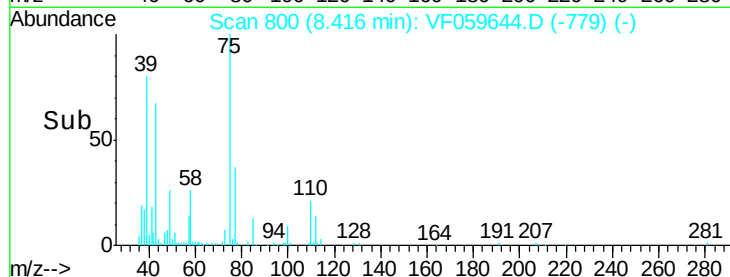
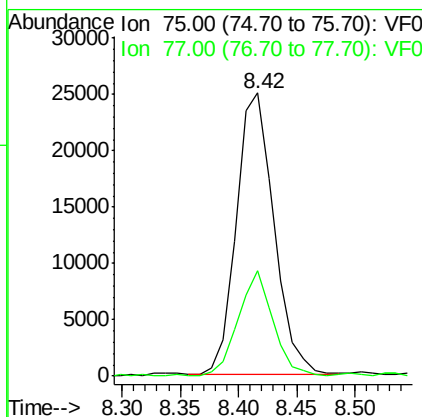
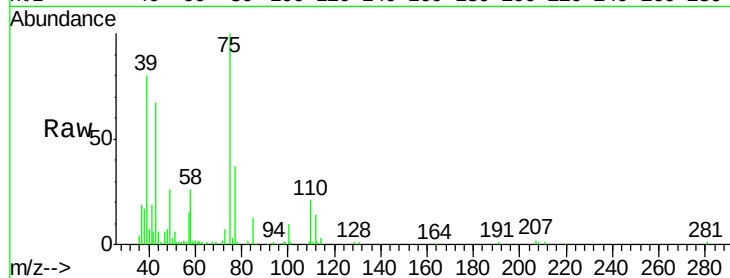
#53
t-1,3-Dichloropropene
Concen: 18.975 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion: 75 Resp: 55774
Ion Ratio Lower Upper
75 100
77 37.3 25.2 37.8

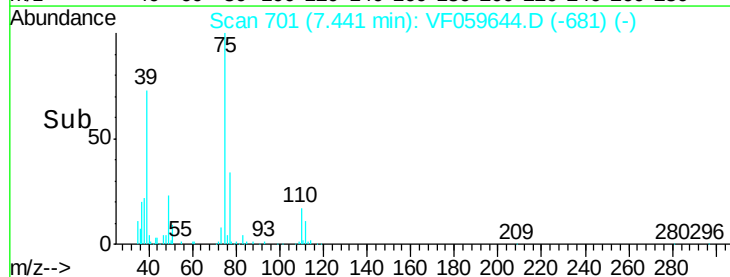
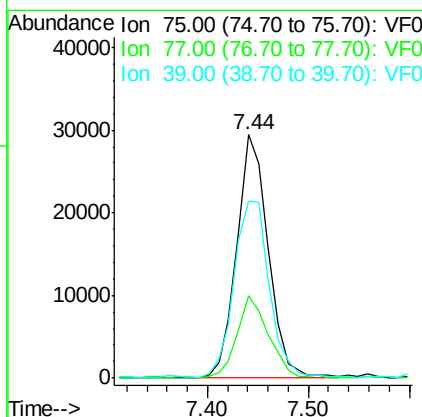
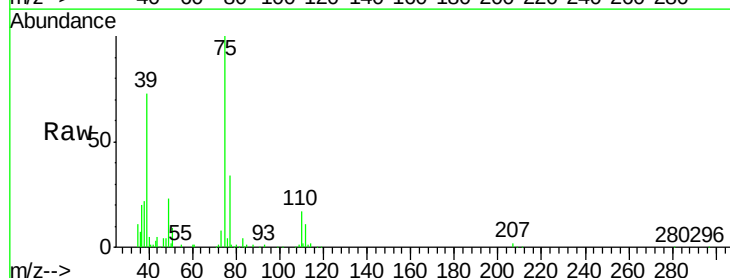
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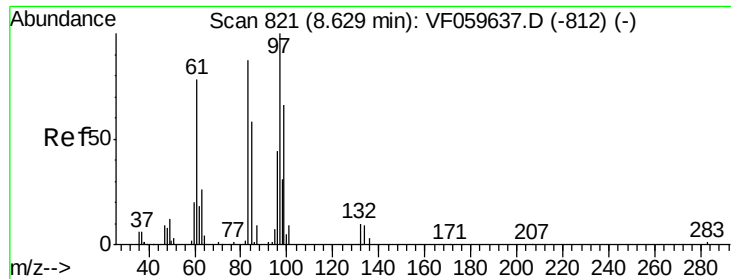
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#54
cis-1,3-Dichloropropene
Concen: 20.699 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 75 Resp: 64312
Ion Ratio Lower Upper
75 100
77 33.7 27.5 41.3
39 72.6 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 19.699 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

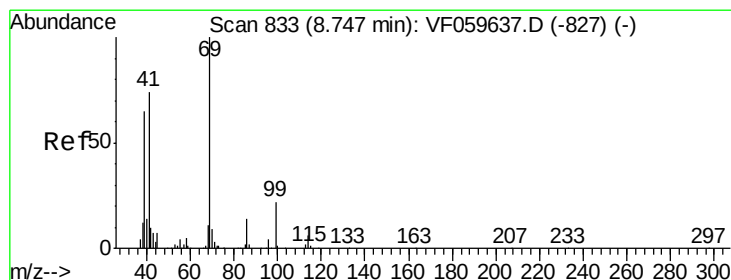
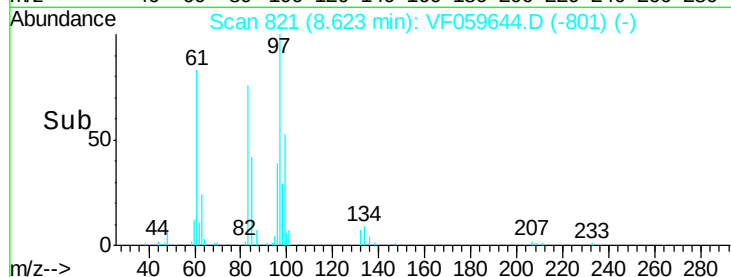
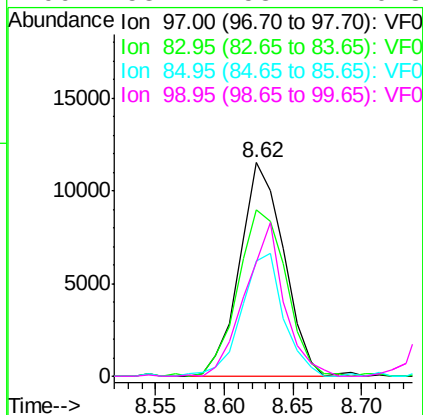
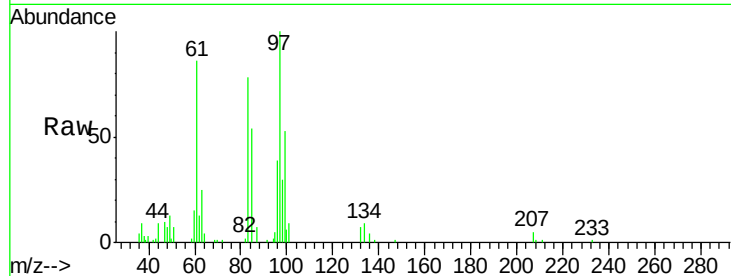
ClientSampleId :

VF0724SBS01

Tot Ion:	97	Resp:	25910
Ion	Ratio	Lower	Upper
97	100		
83	78.0	69.5	104.3
85	54.1	46.0	69.0
99	53.1	53.2	79.8#

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#56

Ethyl methacrylate

Concen: 19.079 ug/l

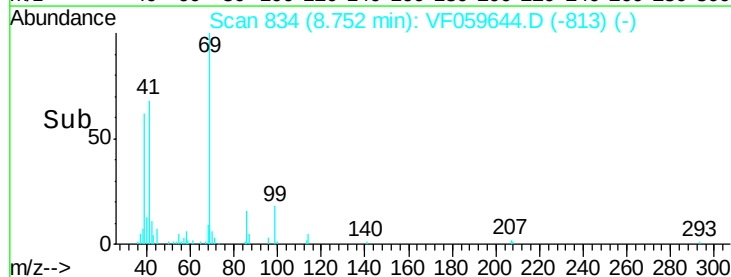
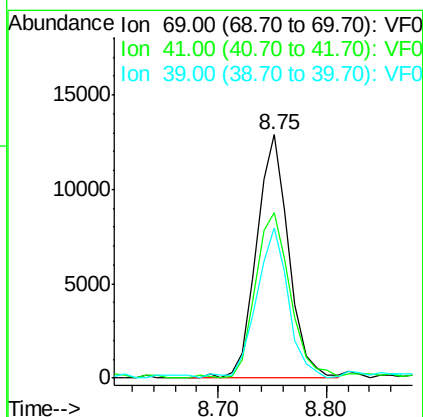
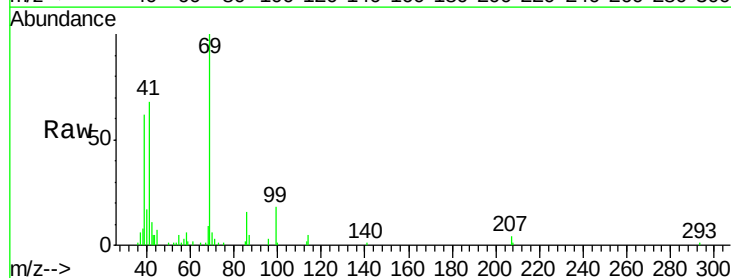
RT: 8.75 min Scan# 834

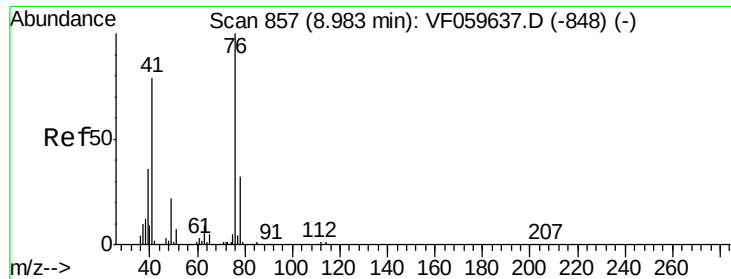
Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	69	Resp:	26825
Ion	Ratio	Lower	Upper
69	100		
41	68.2	59.1	88.7
39	61.8	52.4	78.6





#57

1,3-Dichloropropane

Concen: 20.683 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion: 76 Resp: 46576

Ion Ratio Lower Upper

76 100

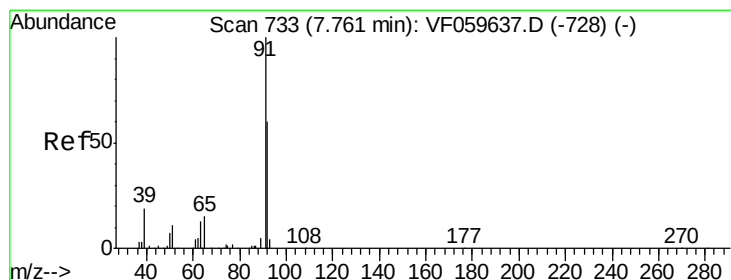
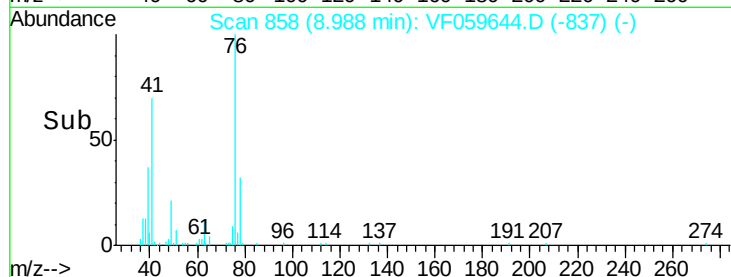
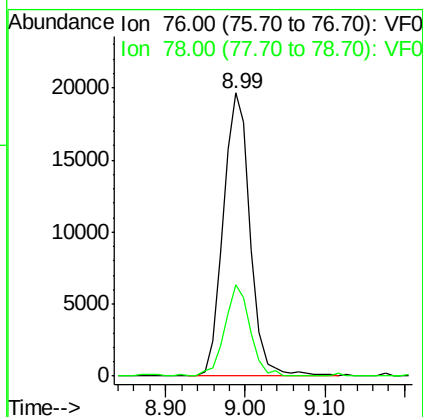
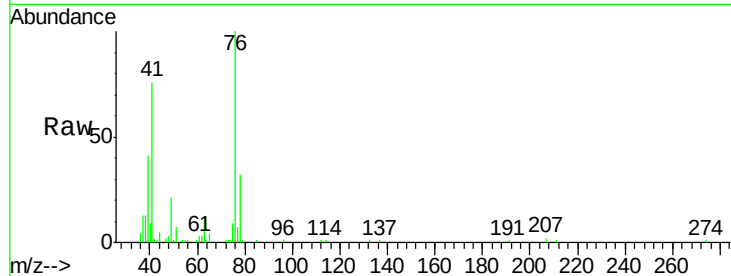
78 32.2 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 106.376 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059644.D

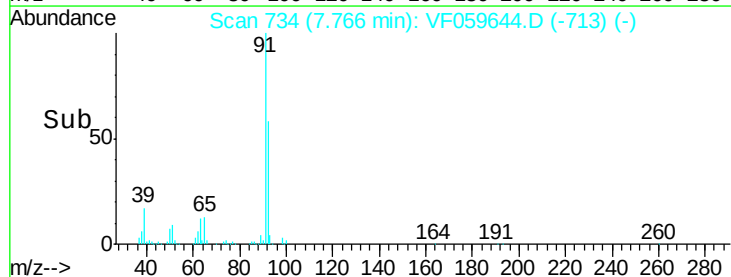
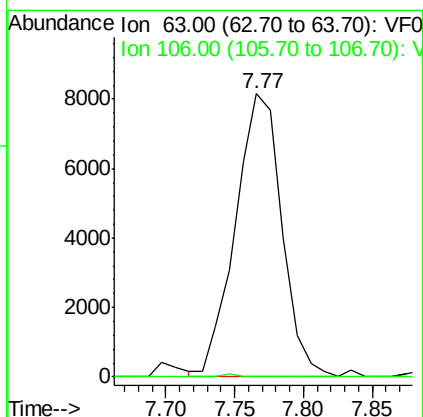
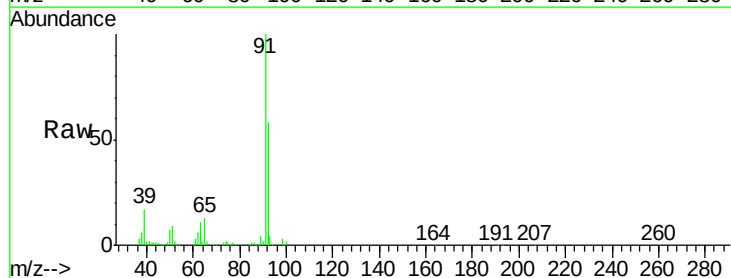
Acq: 24 Jul 2018 21:40

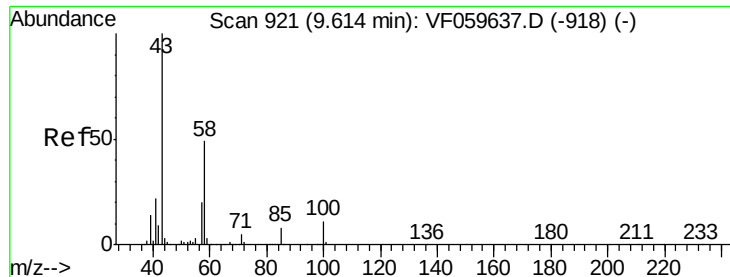
Tgt Ion: 63 Resp: 19198

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





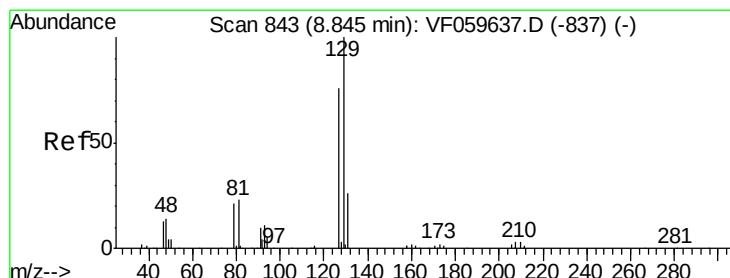
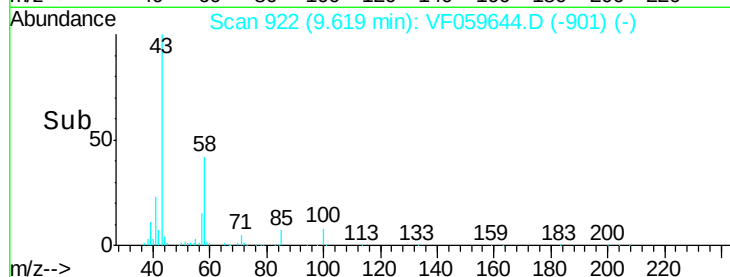
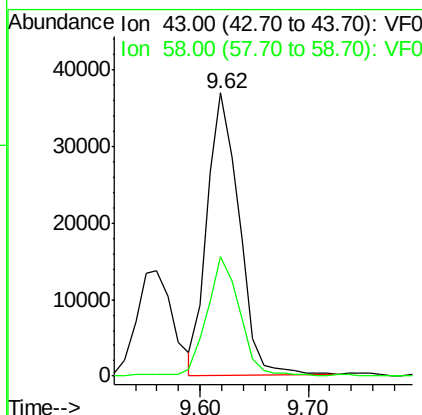
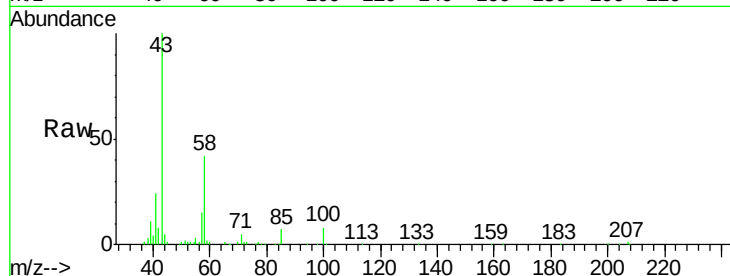
#59
2-Hexanone
Concen: 95.760 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion: 43 Resp: 75383
Ion Ratio Lower Upper
43 100
58 42.0 23.6 71.0

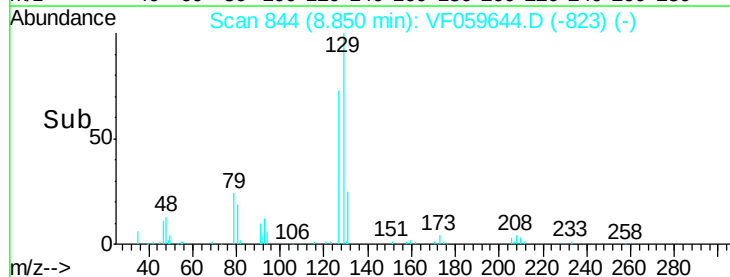
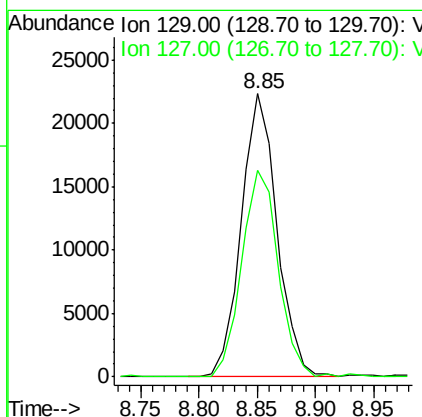
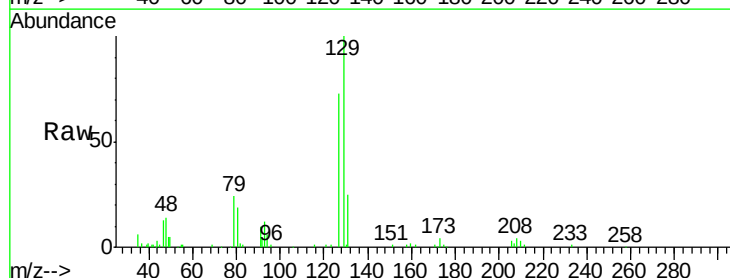
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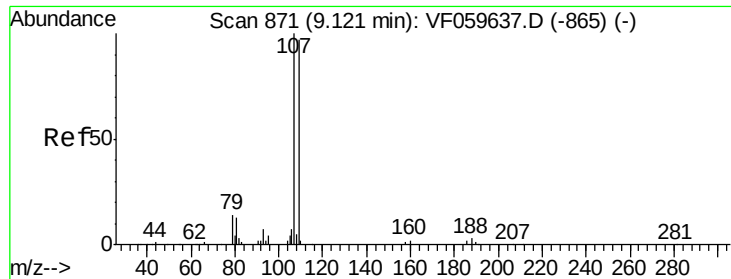
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#60
Dibromochloromethane
Concen: 19.455 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 129 Resp: 47314
Ion Ratio Lower Upper
129 100
127 72.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.417 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion: 107 Resp: 31186

Ion Ratio Lower Upper

107 100

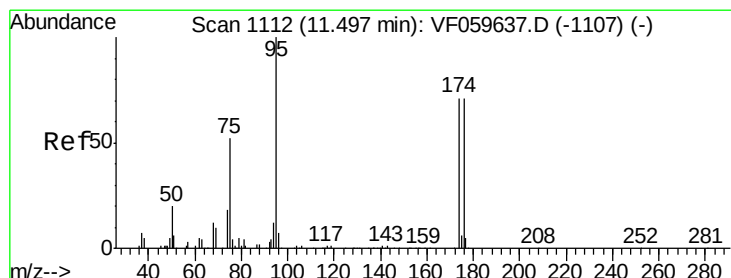
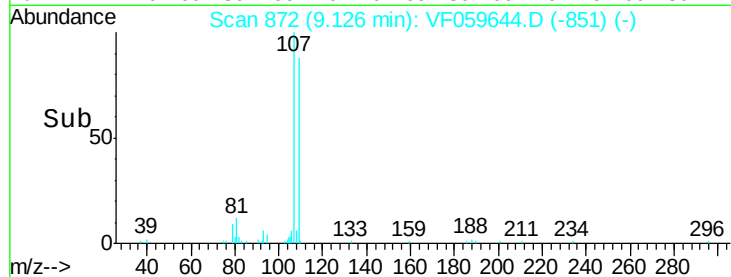
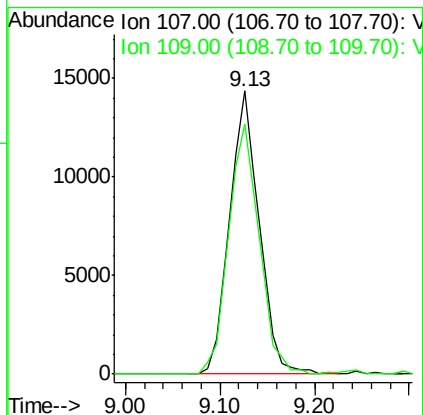
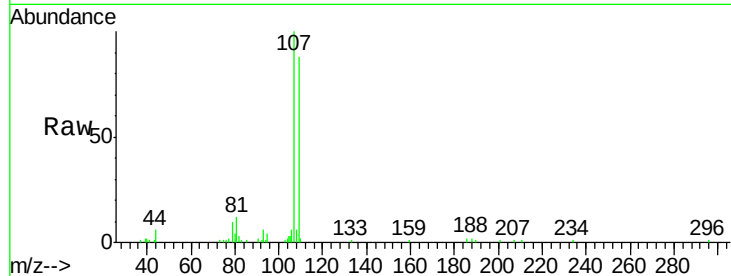
109 88.3 77.3 115.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.503 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

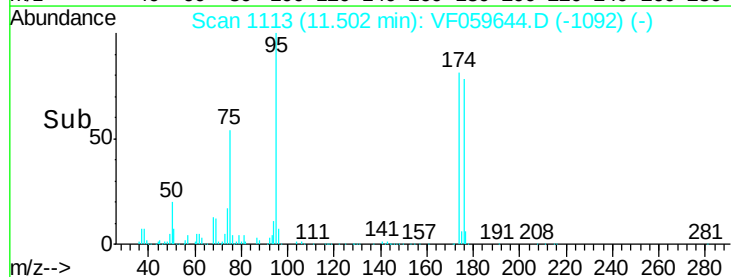
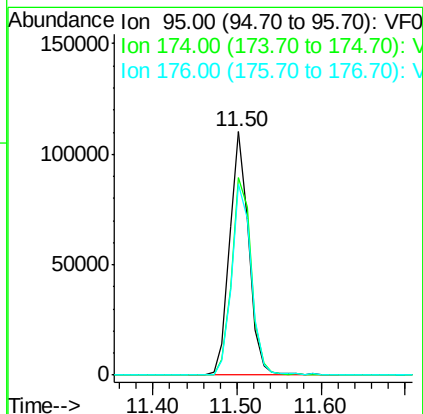
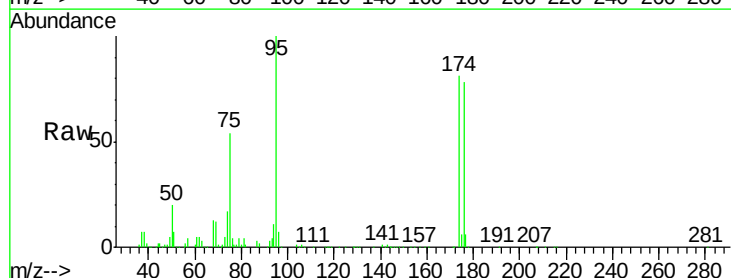
Tgt Ion: 95 Resp: 173674

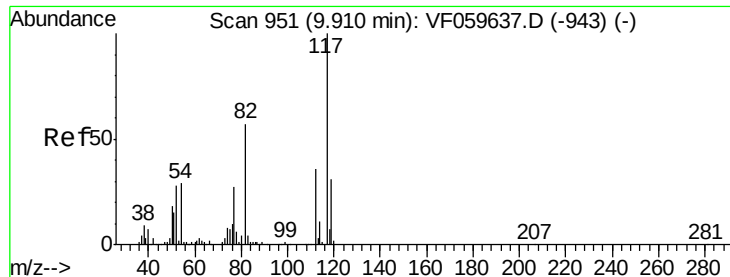
Ion Ratio Lower Upper

95 100

174 81.3 0.0 141.8

176 78.3 0.0 142.0





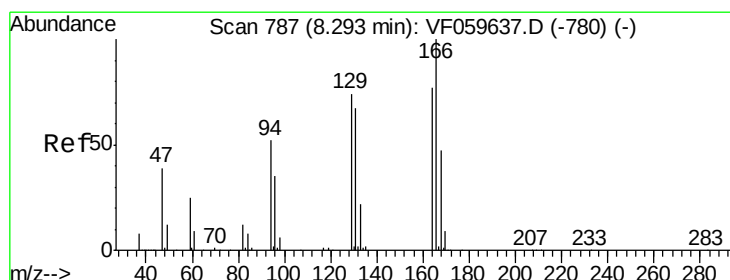
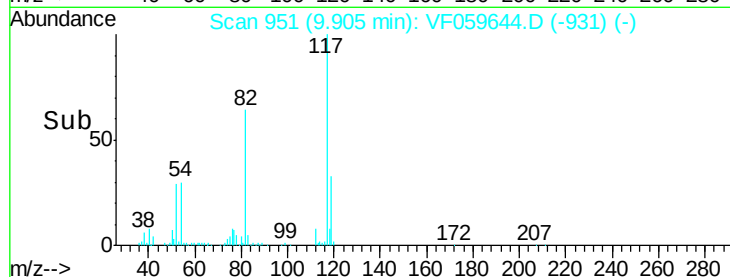
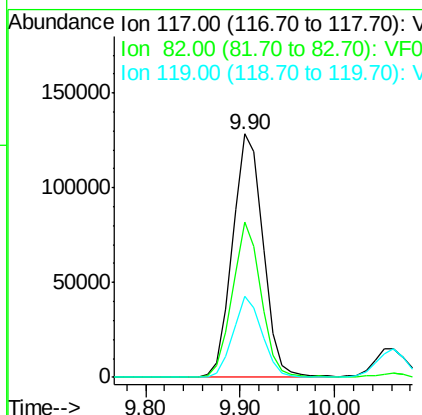
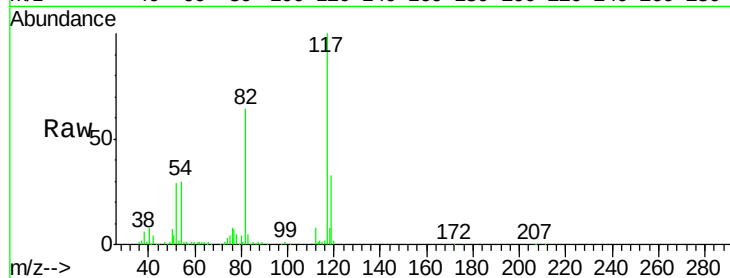
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	287303		
82	63.6		45.9	68.9
119	33.2		25.1	37.7

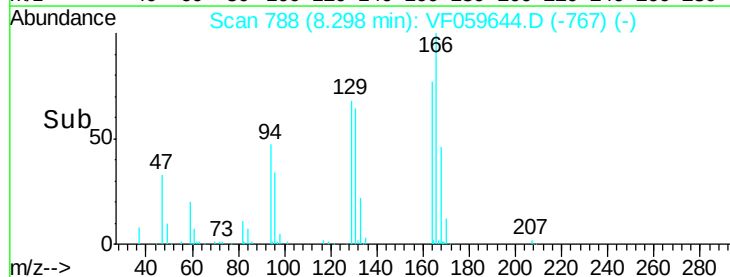
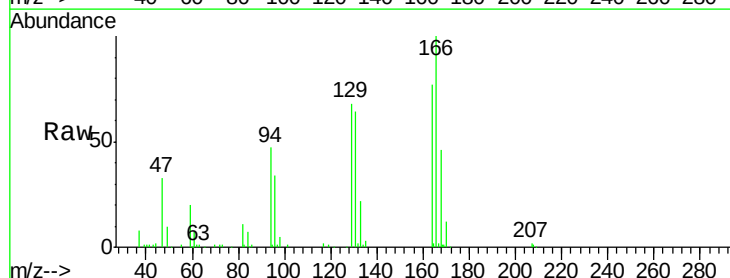
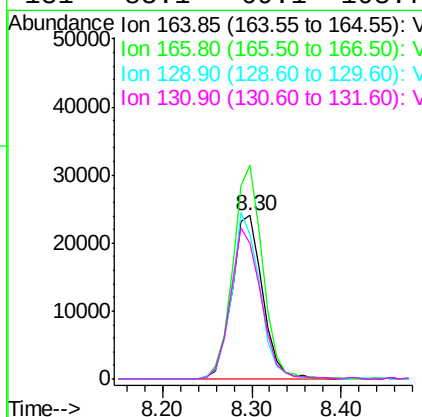
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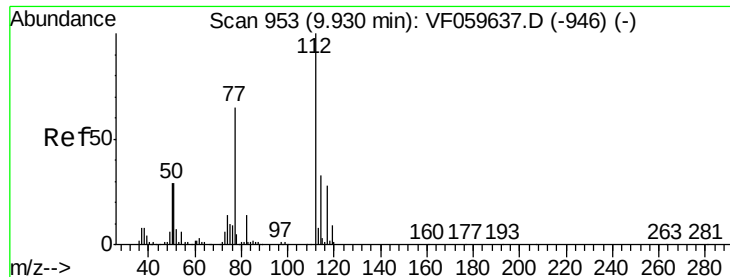
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#64
Tetrachloroethene
Concen: 25.343 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57696		
166	130.4		103.3	154.9
129	88.1		76.2	114.2
131	83.1		69.1	103.7





#65

Chlorobenzene

Concen: 22.752 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion:112 Resp: 121104

Ion Ratio Lower Upper

112 100

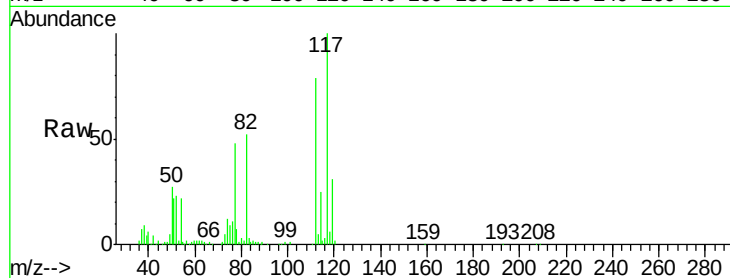
114 31.2 26.4 39.6

Manual Integrations

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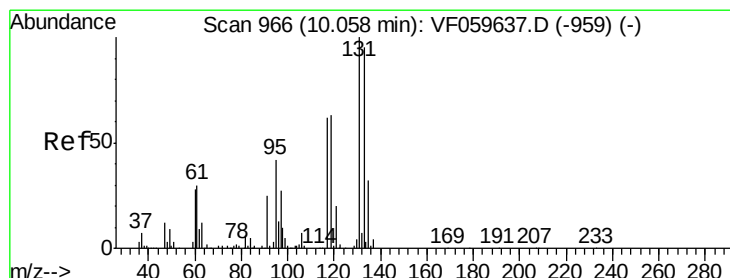
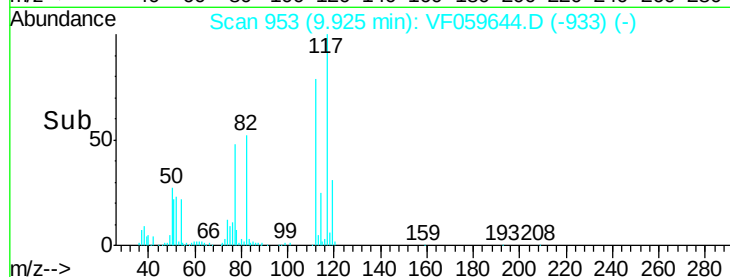
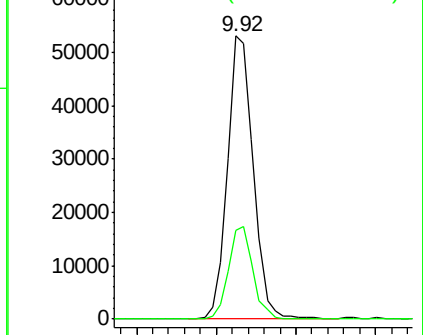
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.054 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

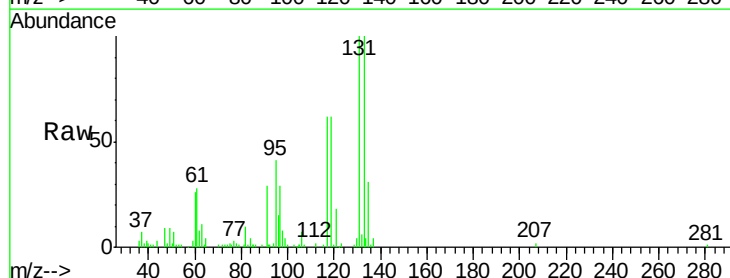
Tgt Ion:131 Resp: 54417

Ion Ratio Lower Upper

131 100

133 100.0 47.5 142.6

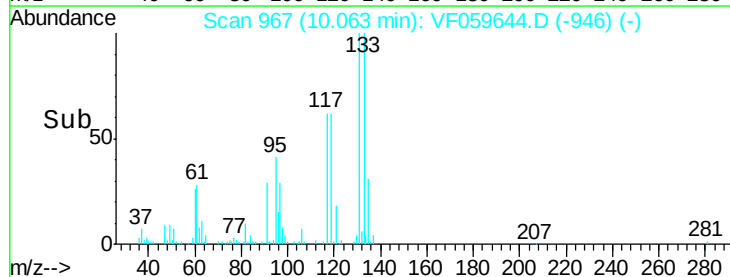
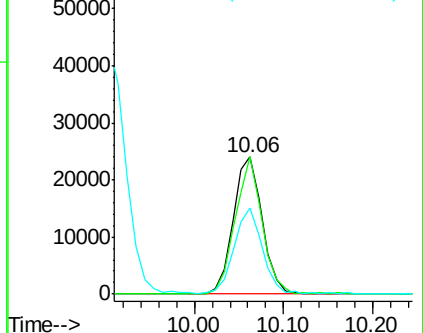
119 62.5 31.8 95.4

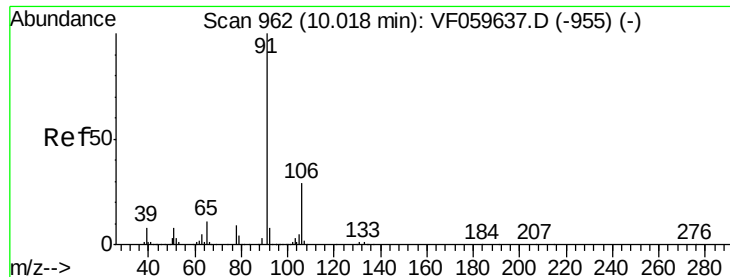


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





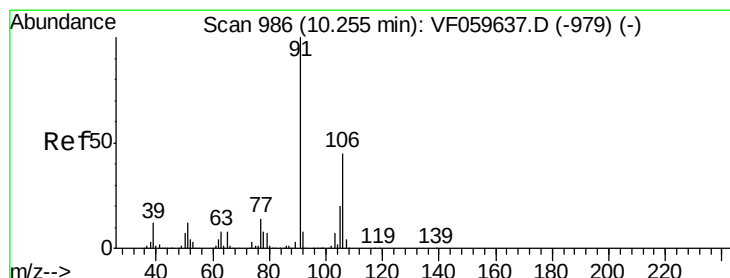
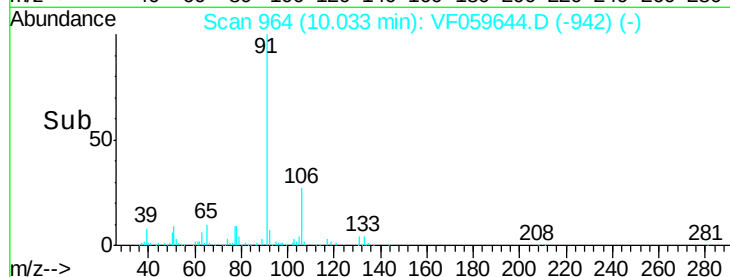
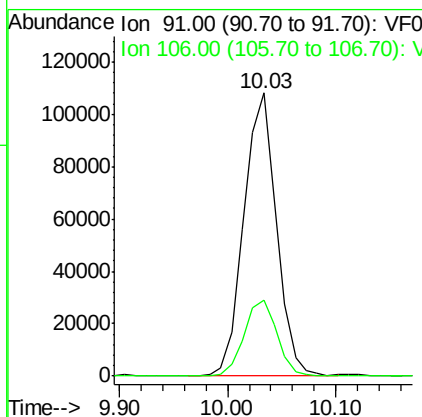
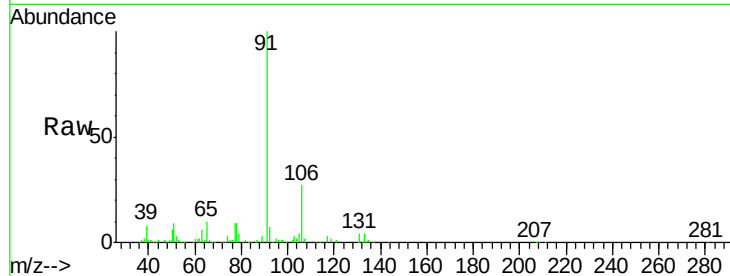
#67
Ethyl Benzene
Concen: 23.740 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion: 91 Resp: 227075
Ion Ratio Lower Upper
91 100
106 26.6 23.4 35.0

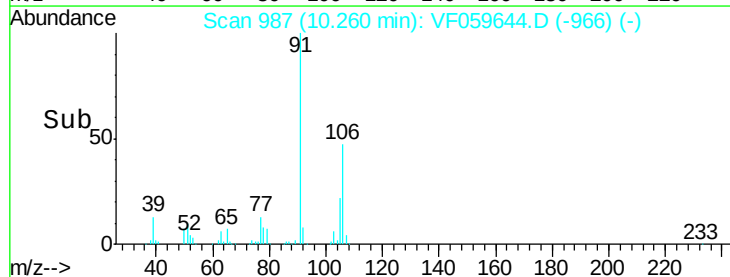
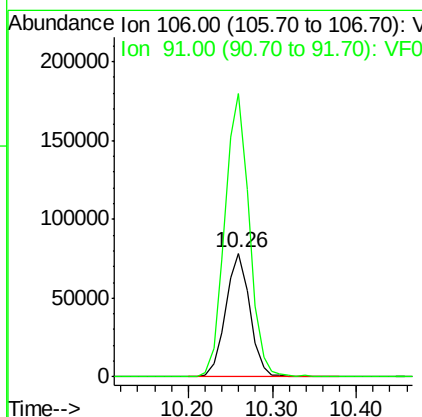
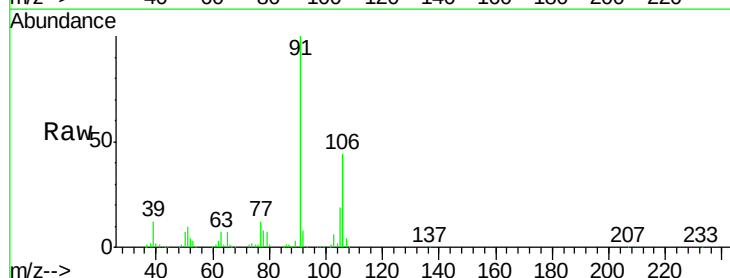
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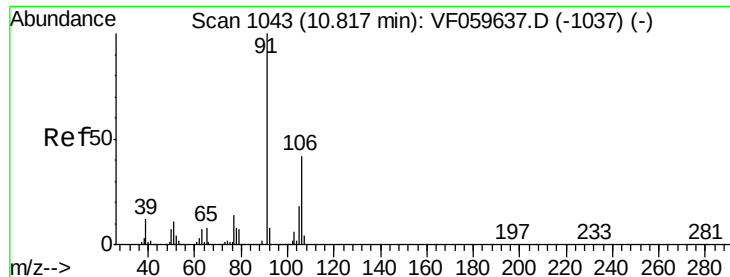
apatel
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#68
m/p-Xylenes
Concen: 46.022 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 106 Resp: 157285
Ion Ratio Lower Upper
106 100
91 228.6 177.8 266.8





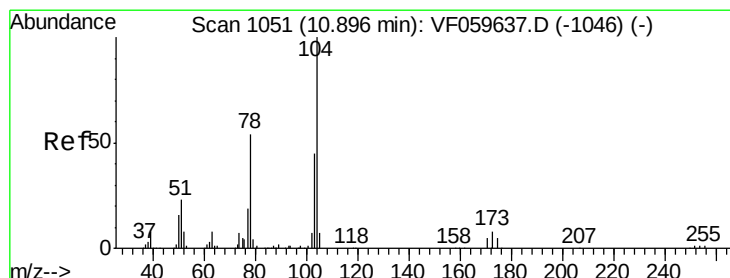
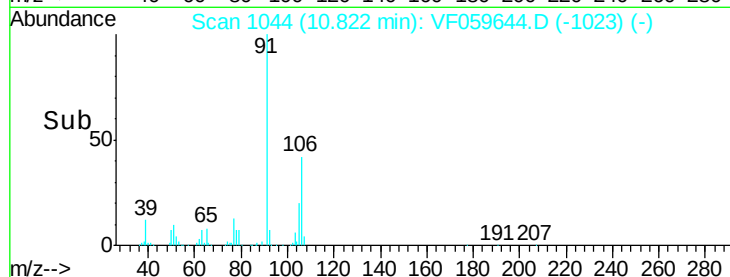
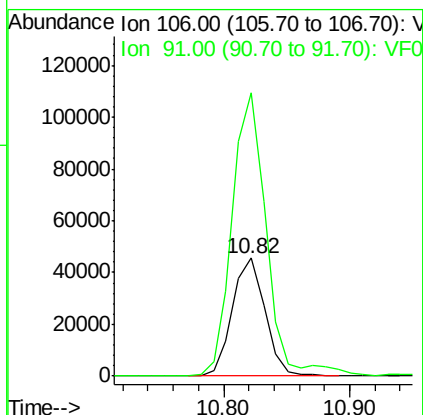
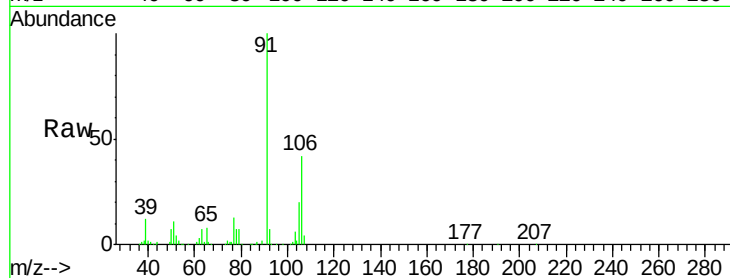
#69
o-Xylene
Concen: 22.669 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion:106 Resp: 82470
Ion Ratio Lower Upper
106 100
91 240.2 119.3 357.9

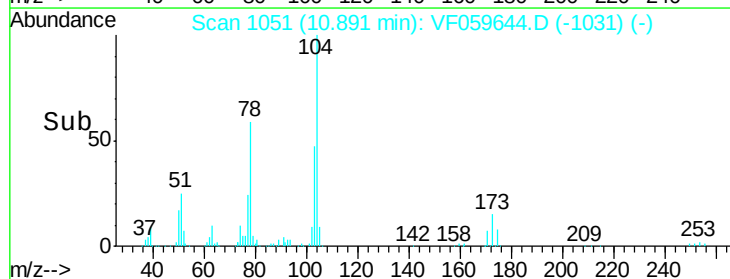
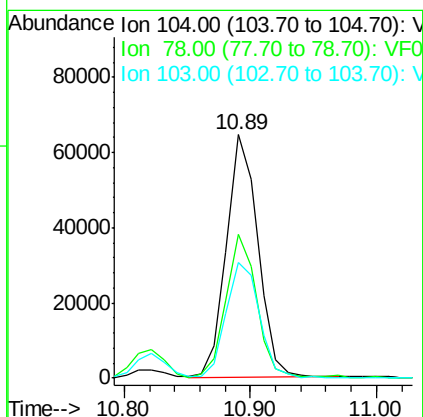
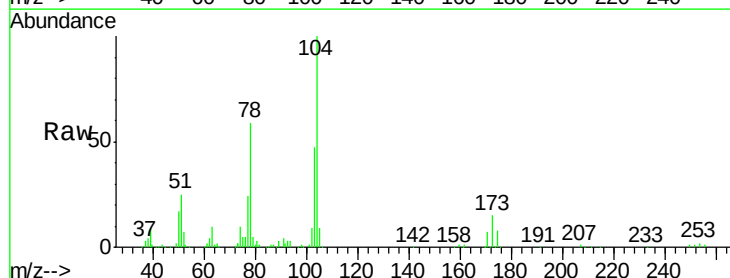
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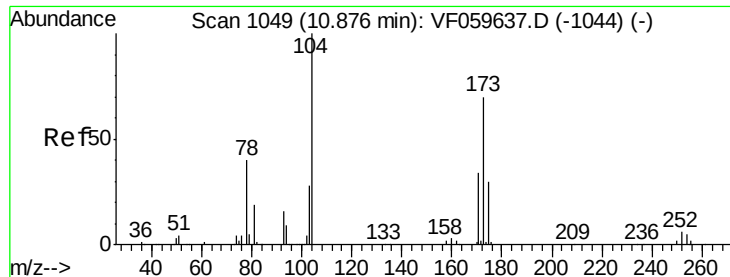
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#70
Styrene
Concen: 21.217 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion:104 Resp: 111472
Ion Ratio Lower Upper
104 100
78 59.3 43.4 65.2
103 47.4 36.7 55.1





#71

Bromoform

Concen: 20.049 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion:173 Resp: 27850

Ion Ratio Lower Upper

173 100

175 49.7 21.6 65.0

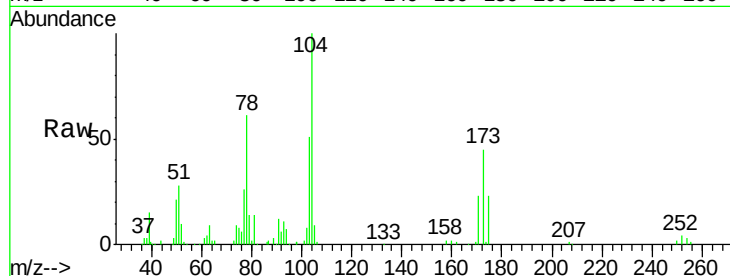
254 0.0 0.0 0.0

Manual Integrations

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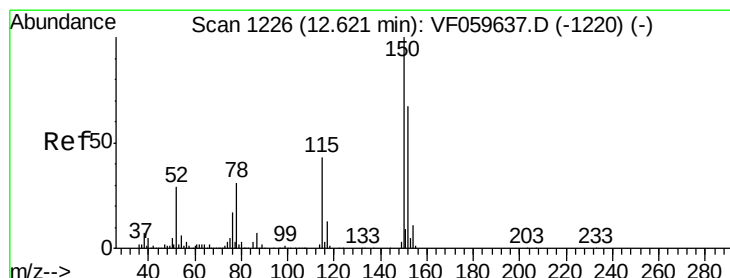
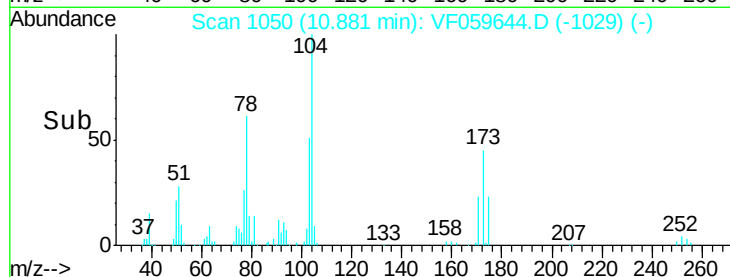
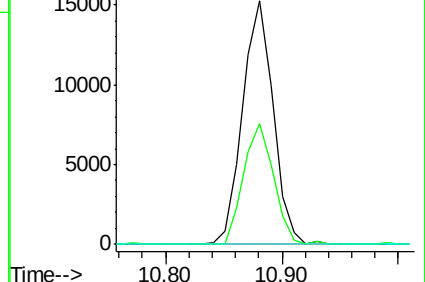
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

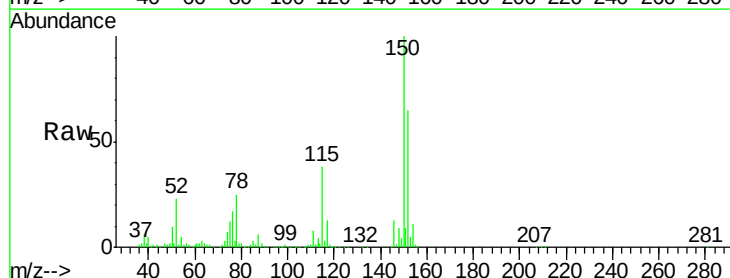
Tgt Ion:152 Resp: 185817

Ion Ratio Lower Upper

152 100

115 59.1 32.0 96.2

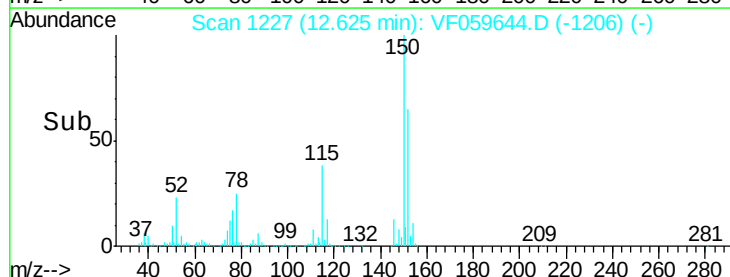
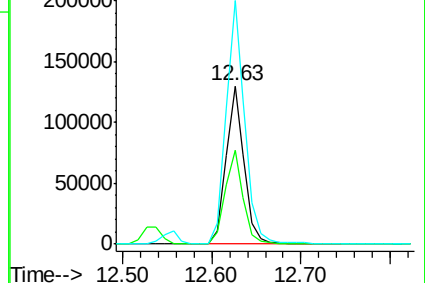
150 153.7 0.0 313.2

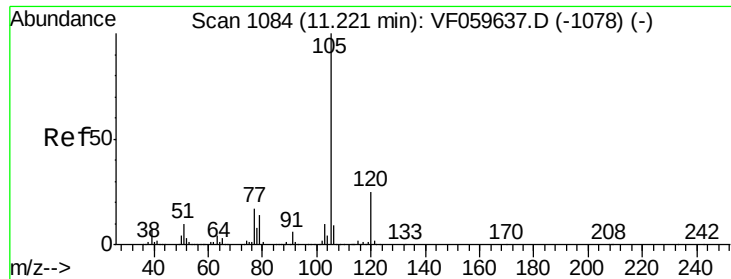


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.686 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion:105 Resp: 276618

Ion Ratio Lower Upper

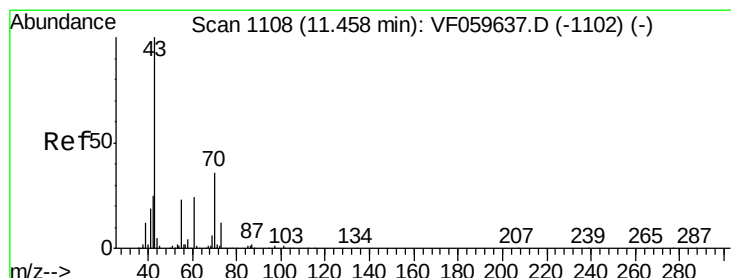
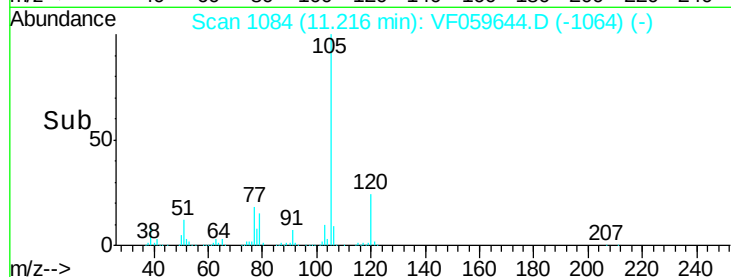
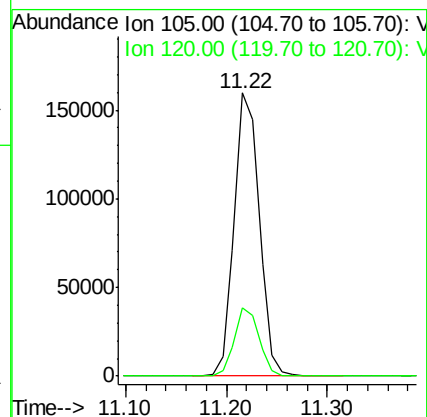
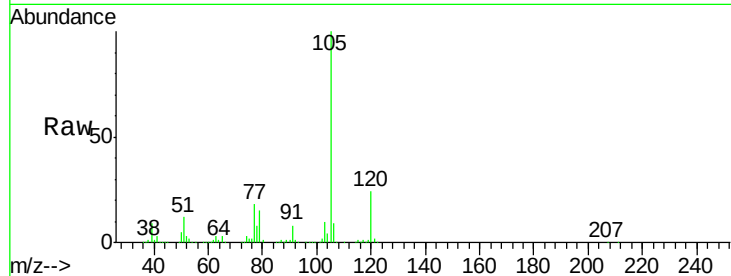
105 100

120 24.1 12.6 37.8

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#74

N-ethyl acetate

Concen: 21.427 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion: 43 Resp: 53655

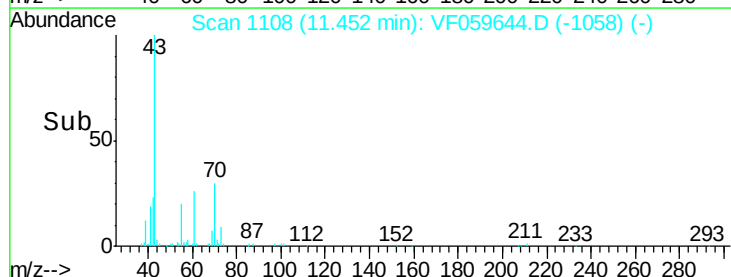
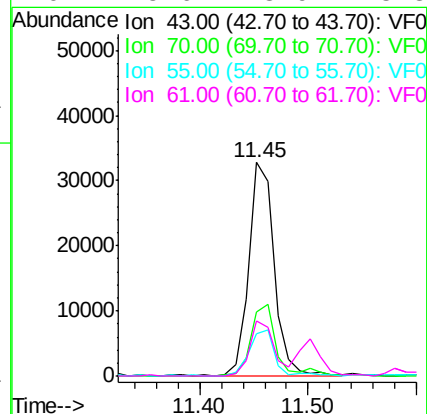
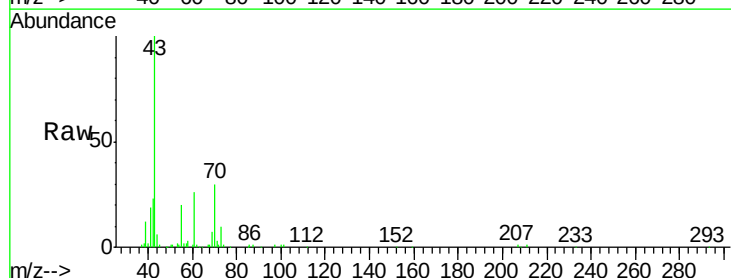
Ion Ratio Lower Upper

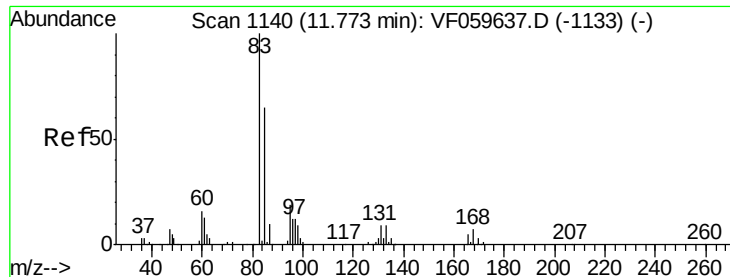
43 100

70 30.2 29.4 44.0

55 19.9 18.2 27.4

61 25.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.112 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

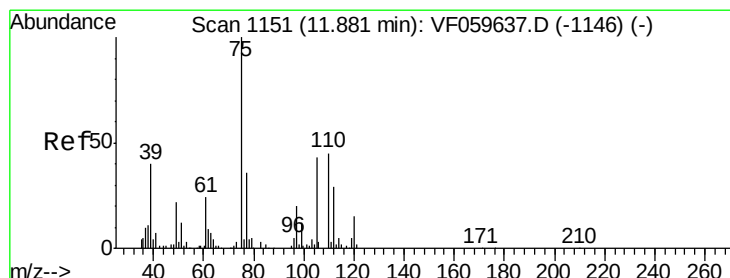
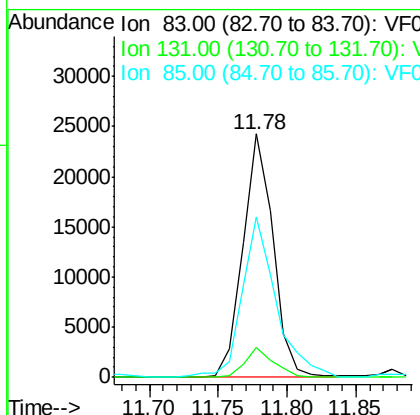
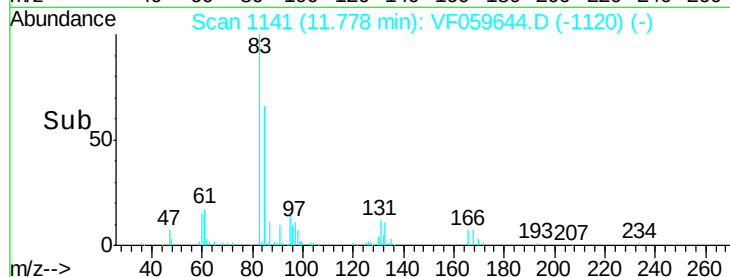
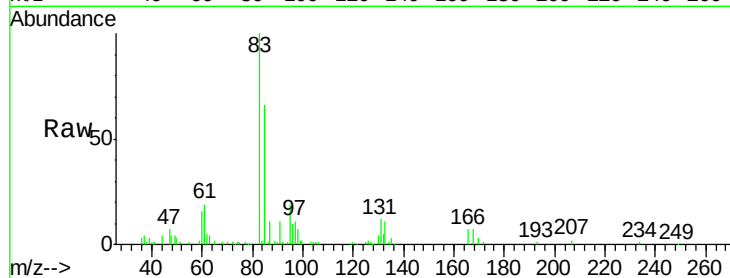
ClientSampleId :

VF0724SBS01

Tot Ion:	83	Resp:	37338
Ion Ratio	Lower	Upper	
83	100		
131	12.1	4.5	13.5
85	65.7	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 20.757 ug/l

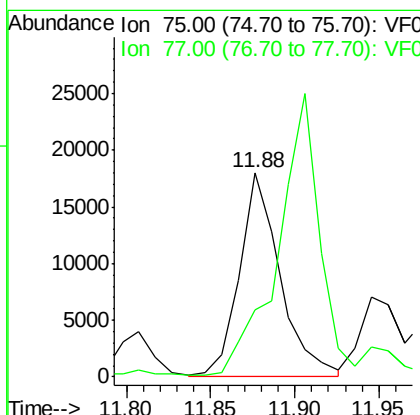
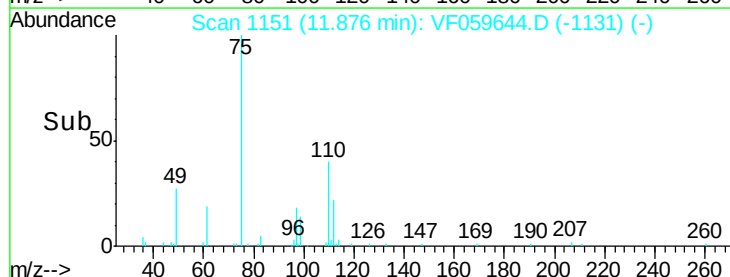
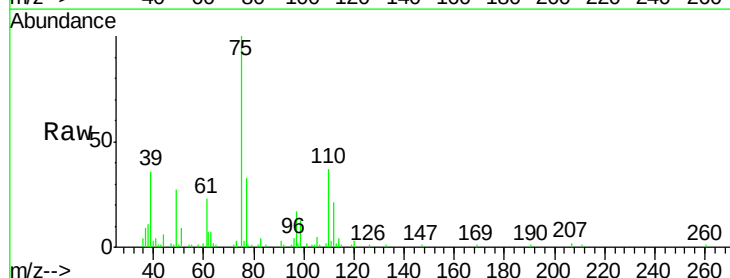
RT: 11.88 min Scan# 1151

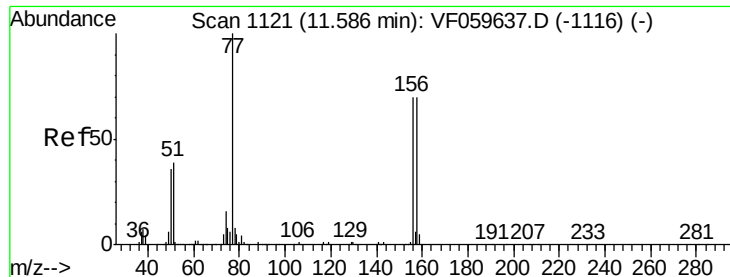
Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	75	Resp:	30322
Ion Ratio	Lower	Upper	
75	100		
77	32.6	18.4	55.0





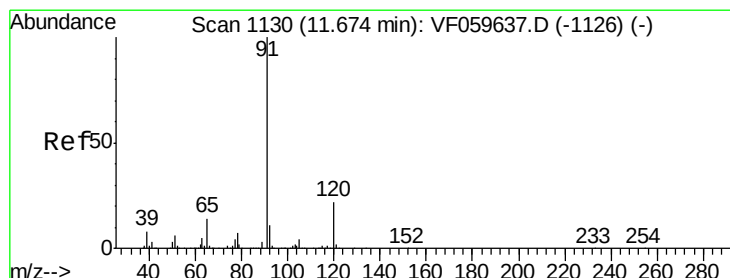
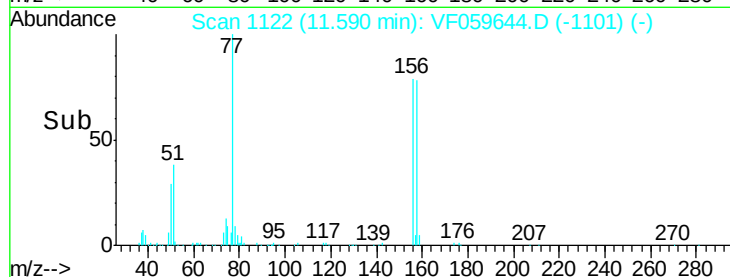
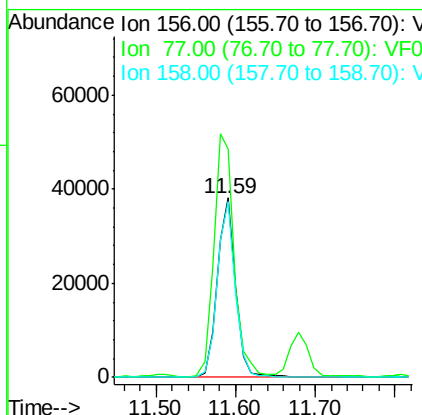
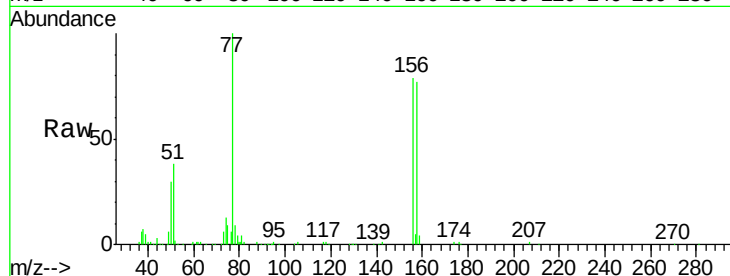
#77
Bromobenzene
Concen: 21.542 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	127.1	71.5	214.3
158	98.3	50.0	149.8

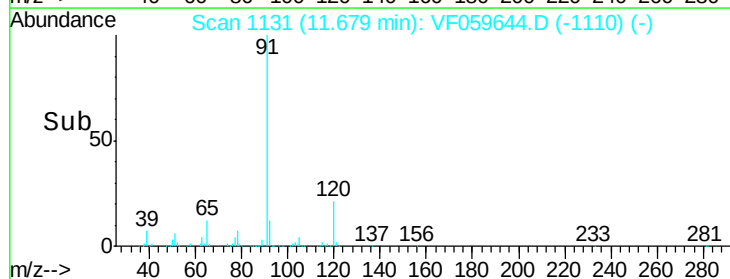
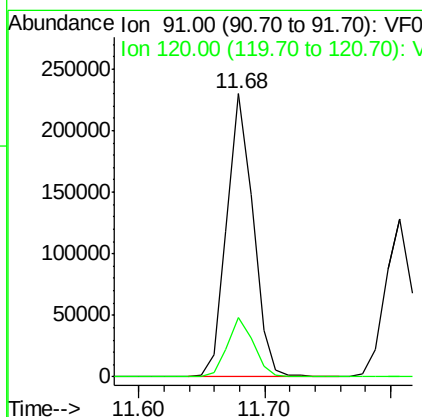
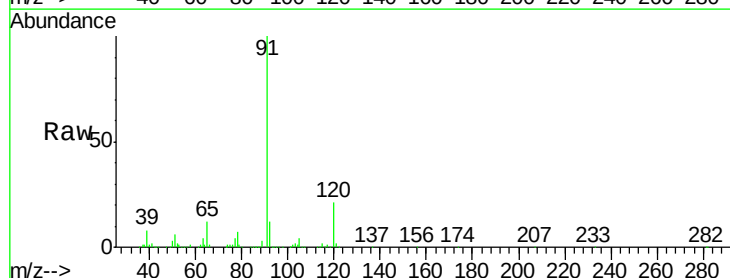
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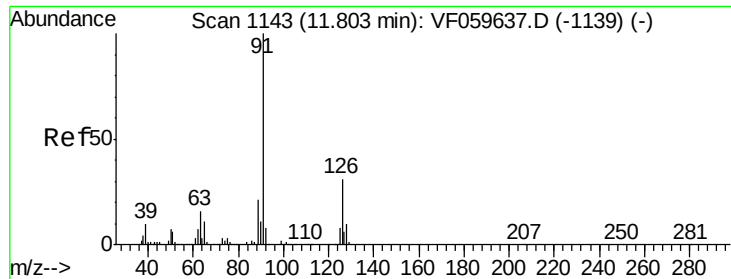
apatel
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#78
n-propylbenzene
Concen: 23.957 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.8	32.4





#79

2-Chlorotoluene

Concen: 23.006 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion: 91 Resp: 192475

Ion Ratio Lower Upper

91 100

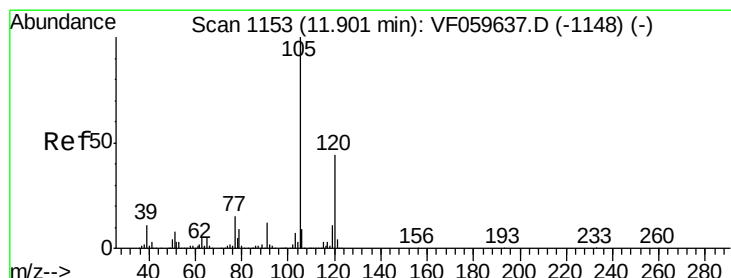
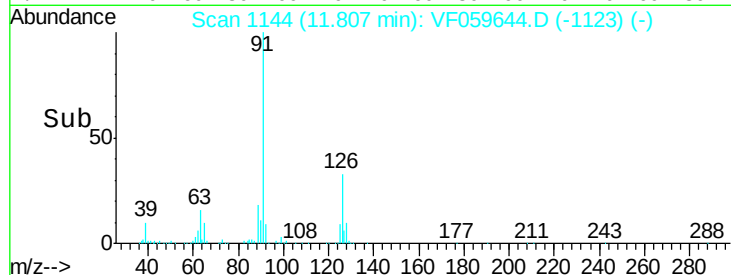
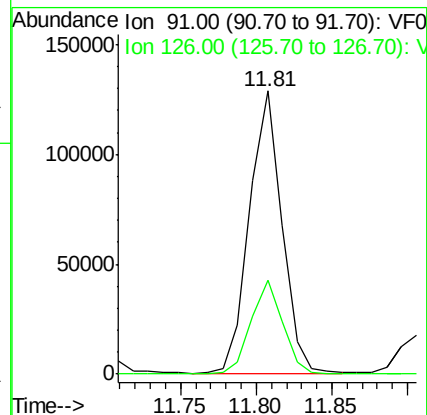
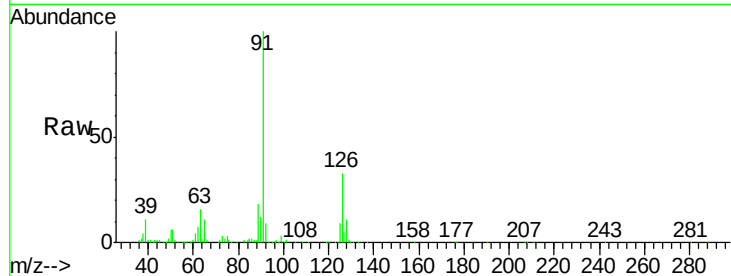
126 33.3 15.4 46.4

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#80

1,3,5-Trimethylbenzene

Concen: 23.596 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059644.D

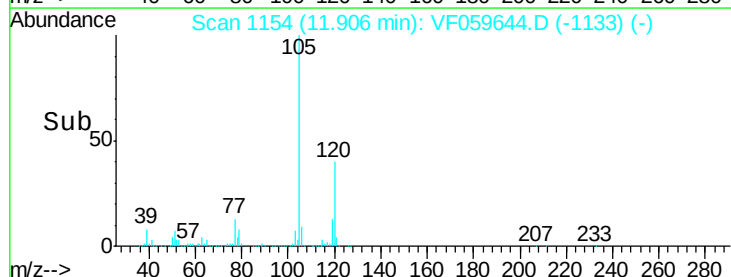
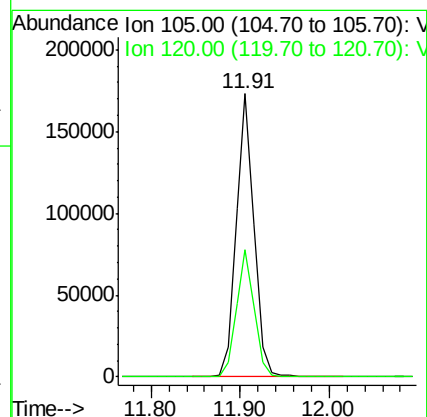
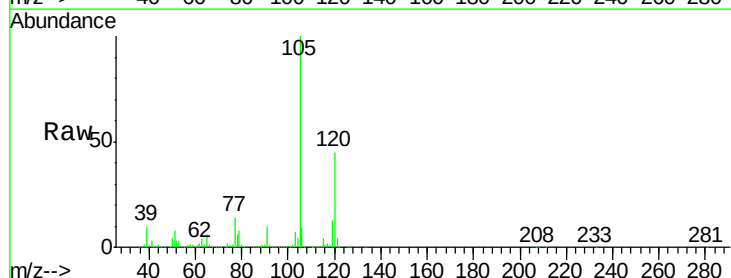
Acq: 24 Jul 2018 21:40

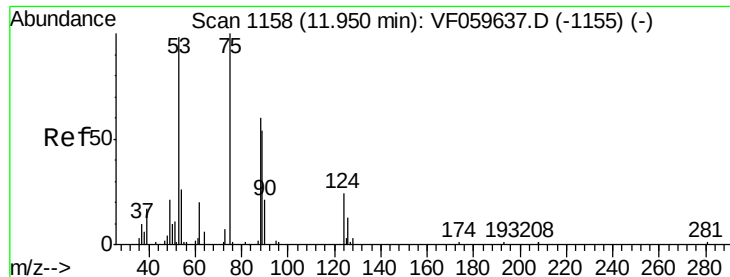
Tgt Ion:105 Resp: 244817

Ion Ratio Lower Upper

105 100

120 44.9 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.516 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

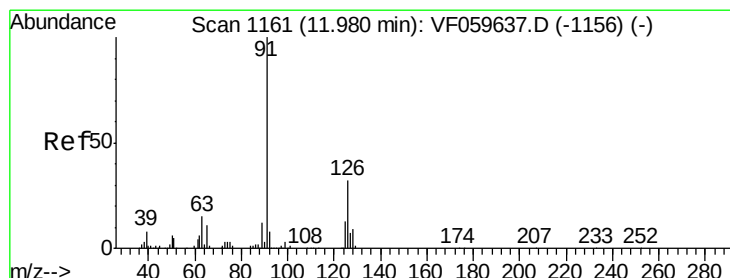
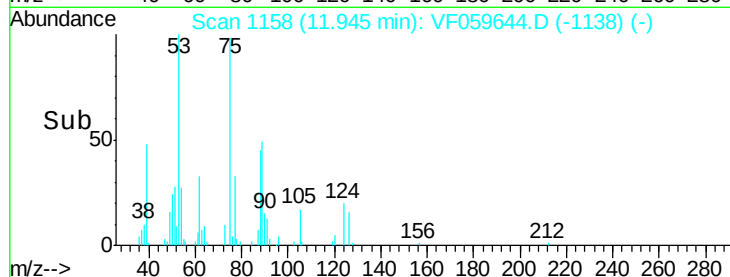
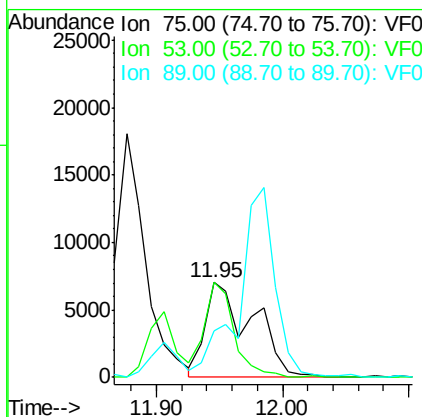
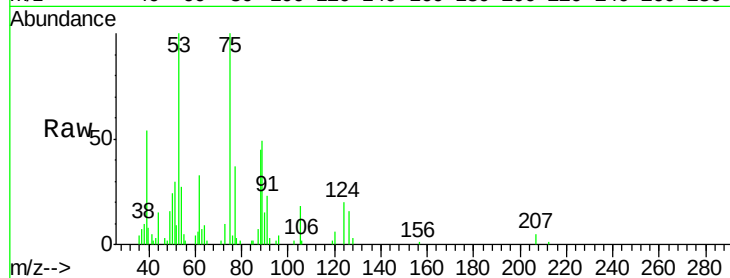
ClientSampleId :

VF0724SBS01

Tot Ion:	75	Resp:	18447
Ion Ratio	Lower	Upper	
75	100		
53	99.7	82.3	123.5
89	48.7	48.2	72.2

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#82

4-Chlorotoluene

Concen: 22.077 ug/l

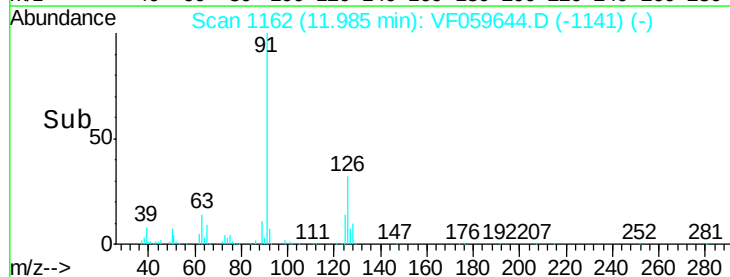
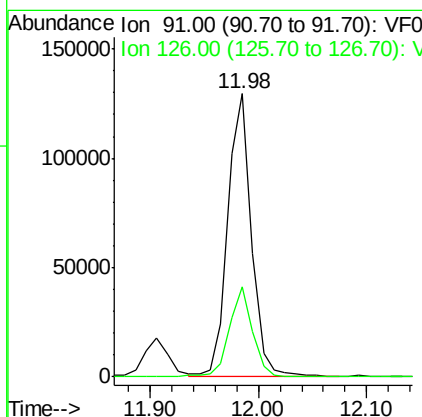
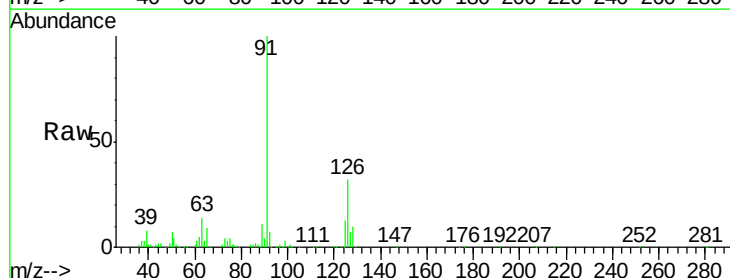
RT: 11.98 min Scan# 1162

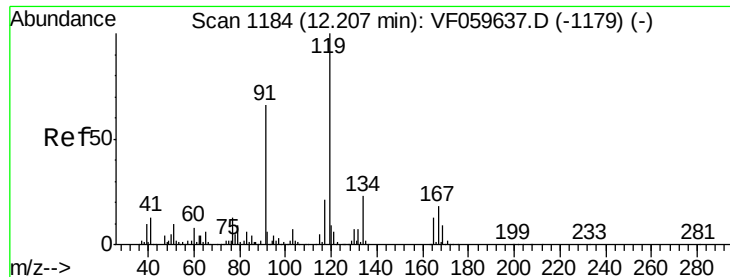
Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	91	Resp:	197101
Ion Ratio	Lower	Upper	
91	100		
126	31.8	16.1	48.2





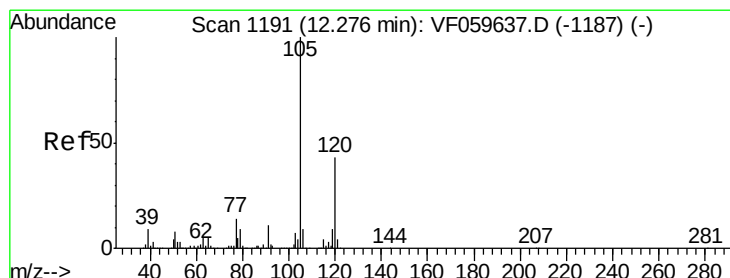
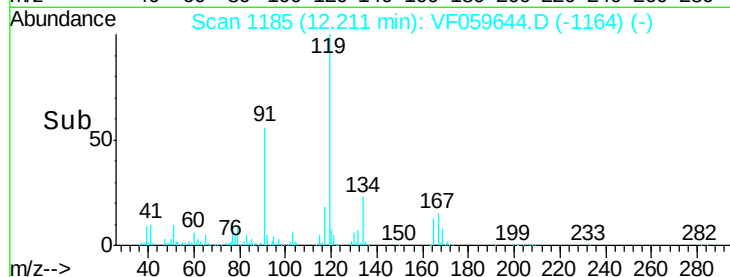
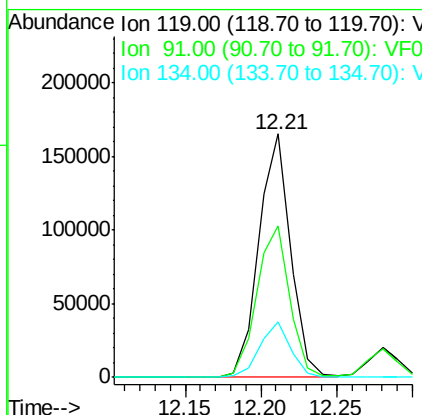
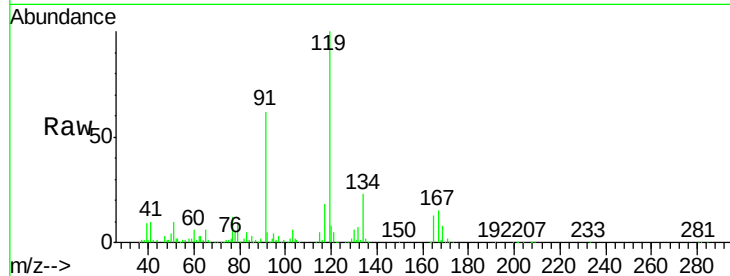
#83
 tert-Butylbenzene
 Concen: 23.184 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242509		
91	62.0		33.2	99.6
134	22.9		11.5	34.4

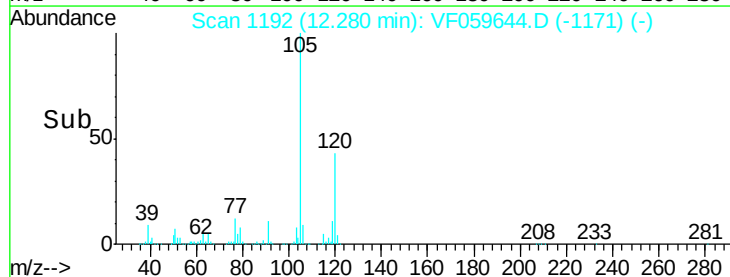
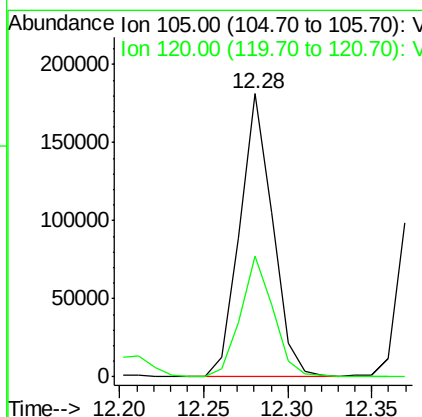
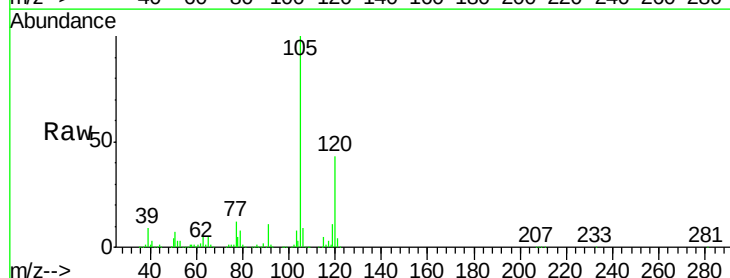
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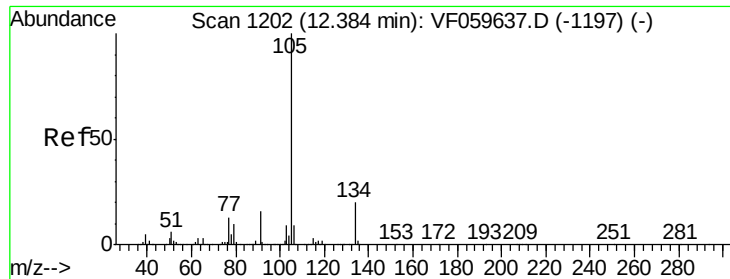
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.902 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243877		
120	42.8		21.4	64.2





#85

sec-Butylbenzene

Concen: 23.444 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0724SBS01

Tot Ion:105 Resp: 326949

Ion Ratio Lower Upper

105 100

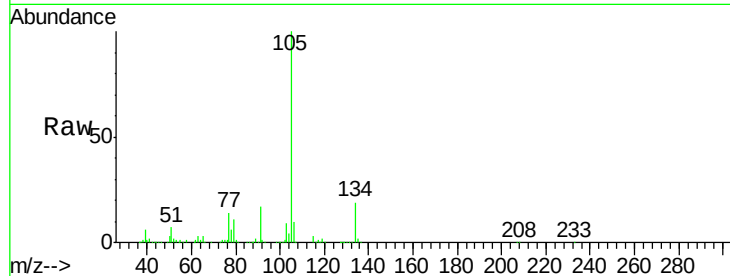
134 18.6 9.9 29.7

Manual Integrations

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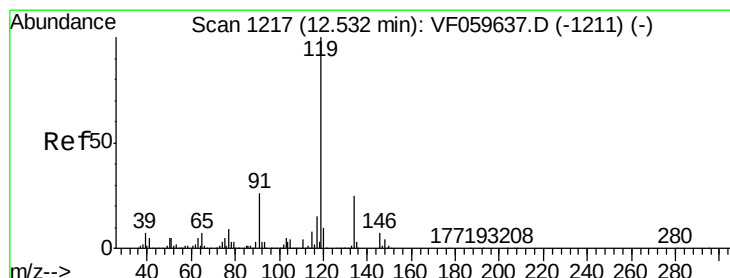
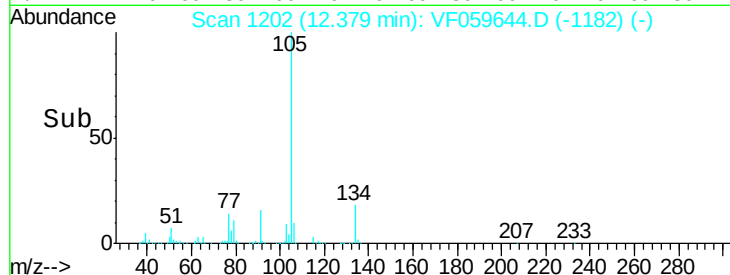
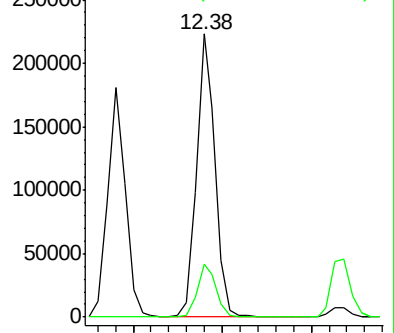
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.424 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

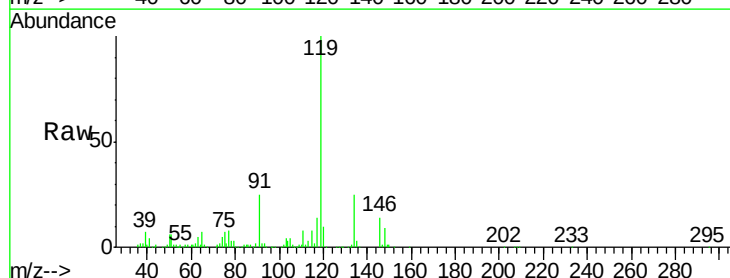
Tgt Ion:119 Resp: 284379

Ion Ratio Lower Upper

119 100

134 24.8 12.4 37.0

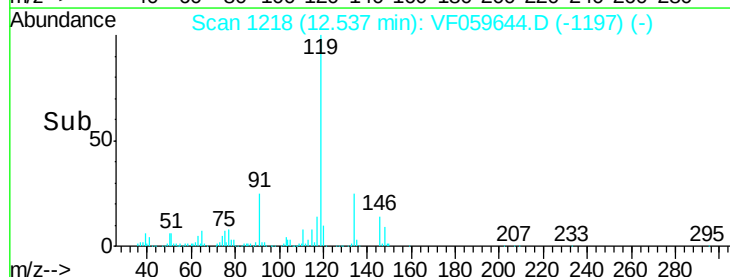
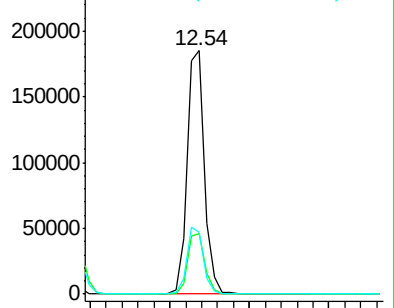
91 25.2 13.1 39.1

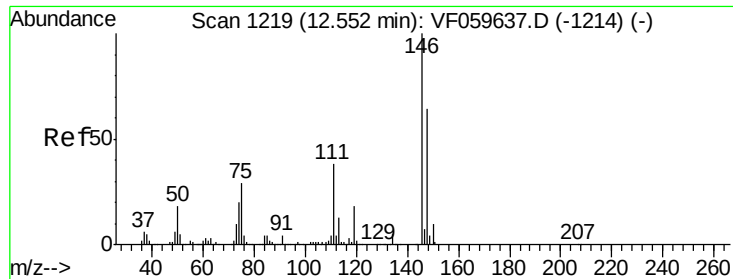


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





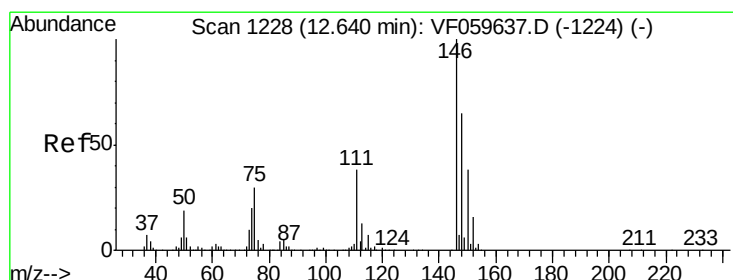
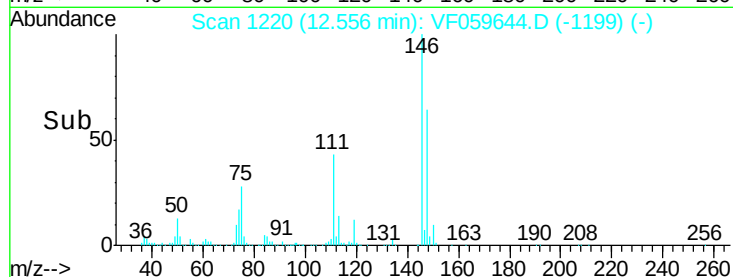
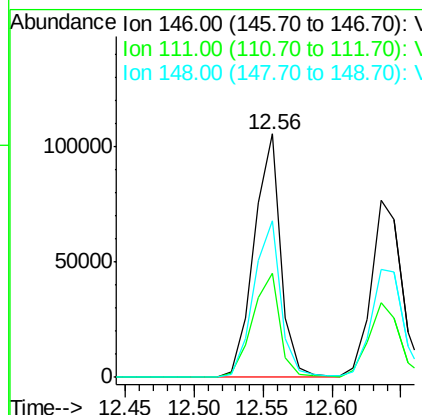
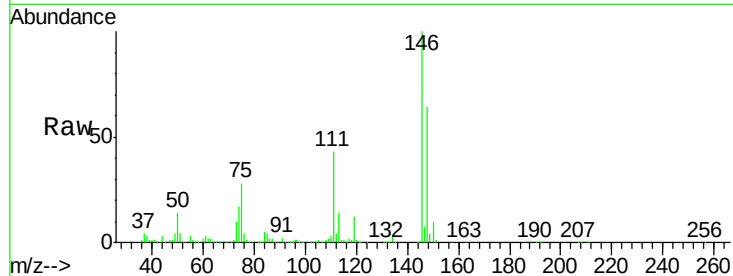
#87
 1,3-Dichlorobenzene
 Concen: 25.976 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0724SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.1	57.1
148	64.3	31.9	95.9

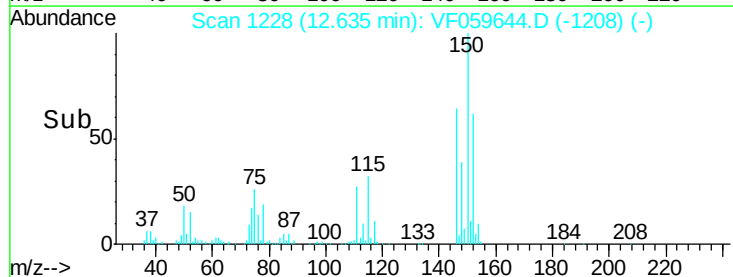
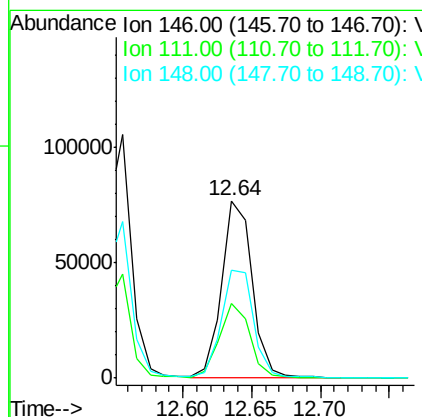
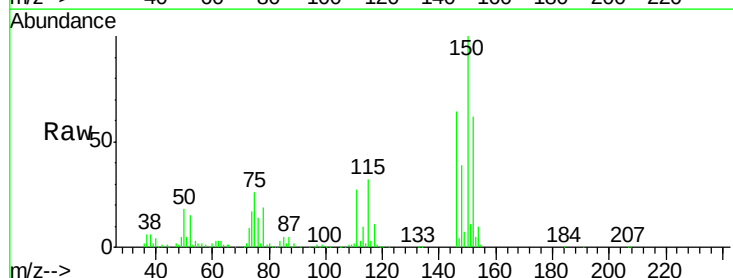
Manual Integrations
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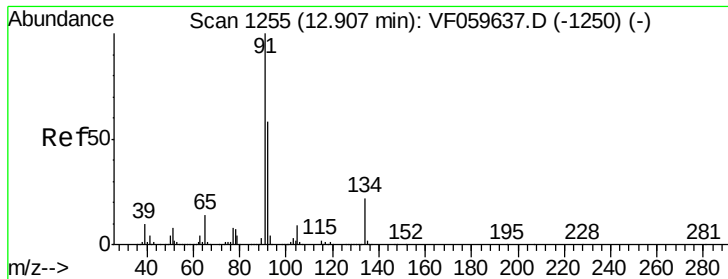
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#88
 1,4-Dichlorobenzene
 Concen: 21.240 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.1	57.1
148	60.8	32.4	97.2





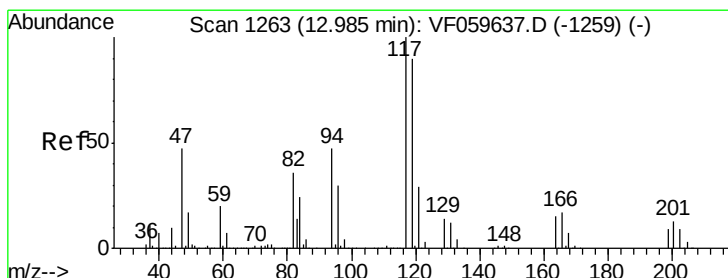
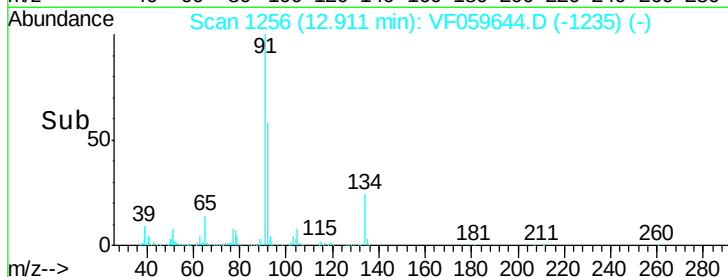
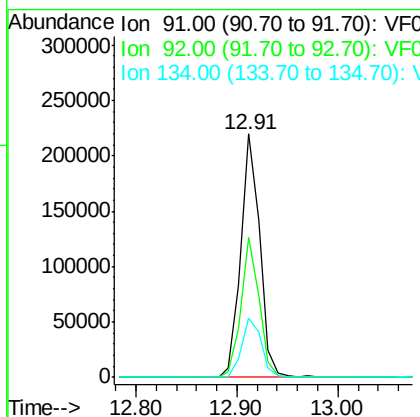
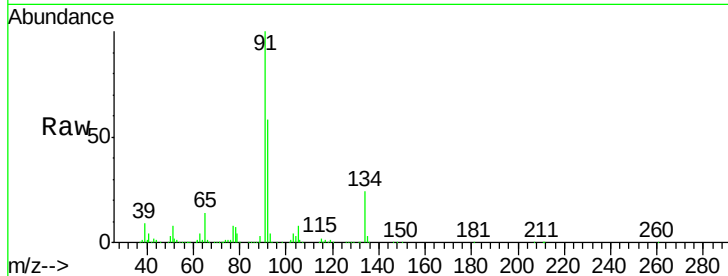
#89
n-Butylbenzene
Concen: 24.155 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	29.1	87.3
134	24.4	11.2	33.6

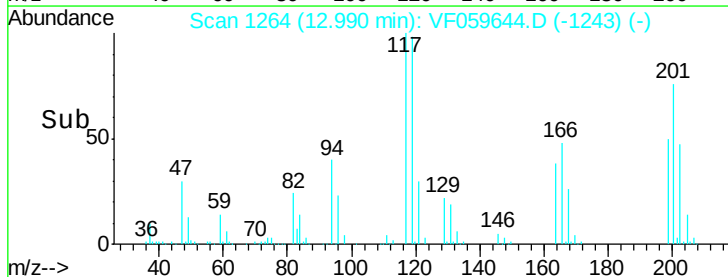
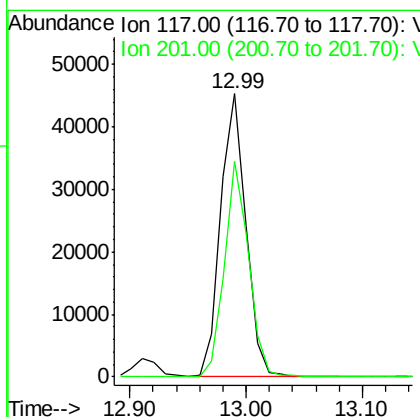
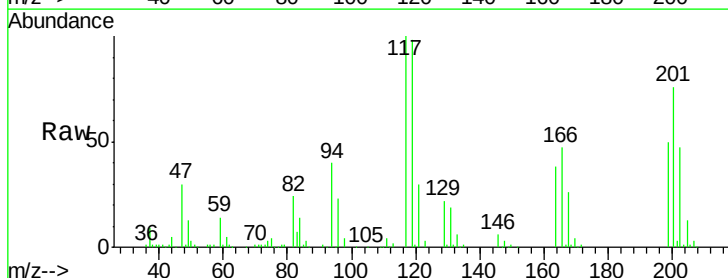
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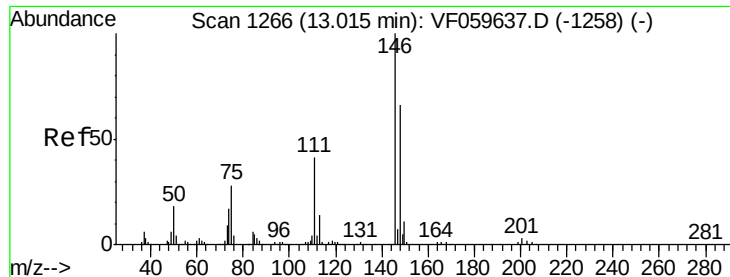
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#90
Hexachloroethane
Concen: 23.138 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	6.6	19.7#





#91

1,2-Dichlorobenzene

Concen: 22.622 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

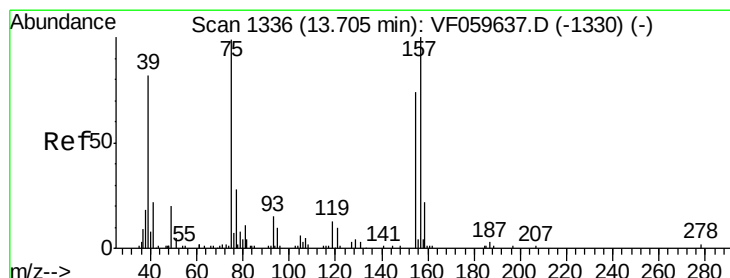
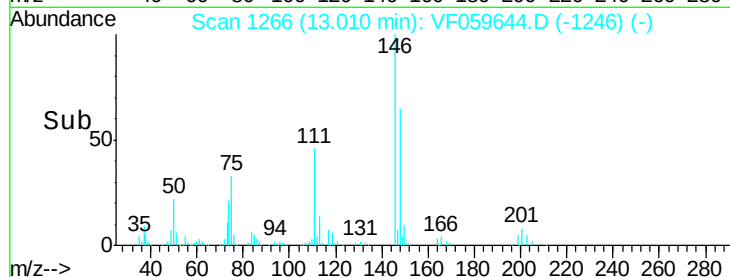
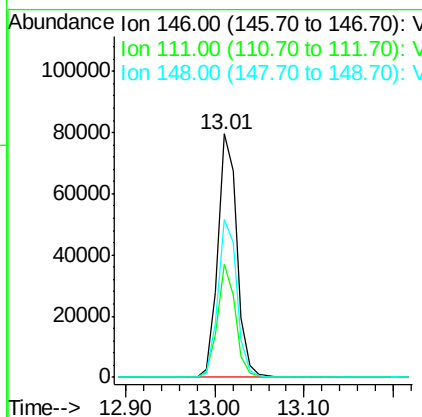
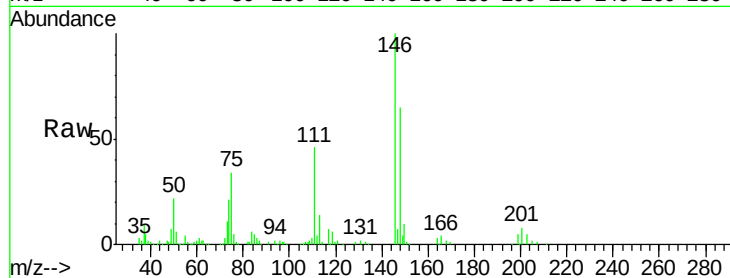
ClientSampleId :

VF0724SBS01

Tot Ion:	146	Resp:	120770
Ion Ratio		Lower	Upper
146	100		
111	46.2	20.3	61.0
148	64.7	32.9	98.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.968 ug/l

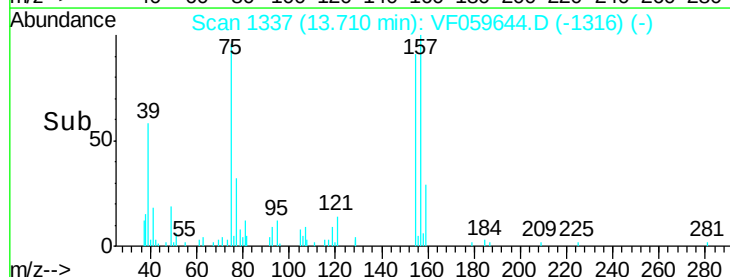
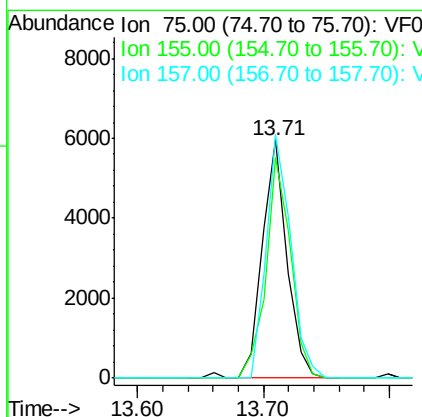
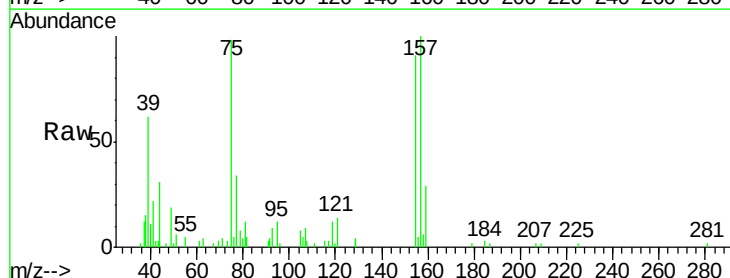
RT: 13.71 min Scan# 1337

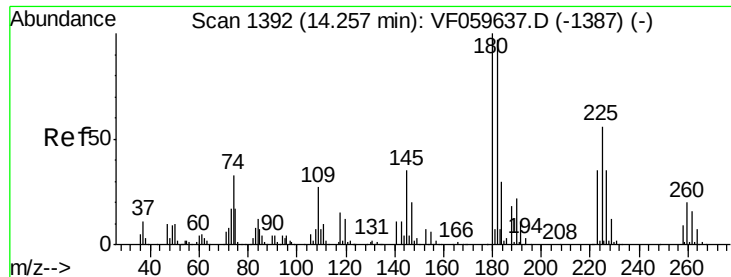
Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	75	Resp:	8194
Ion Ratio		Lower	Upper
75	100		
155	92.6	37.5	112.7
157	102.1	50.6	151.9





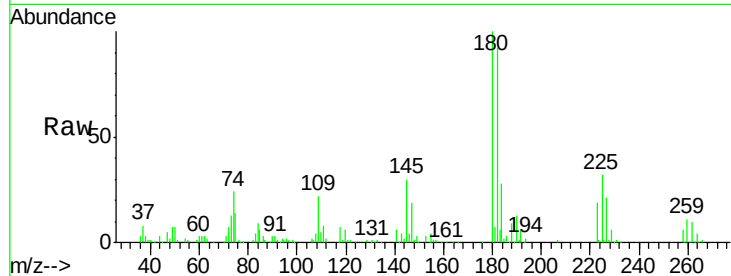
#93
1,2,4-Trichlorobenzene
Concen: 21.832 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

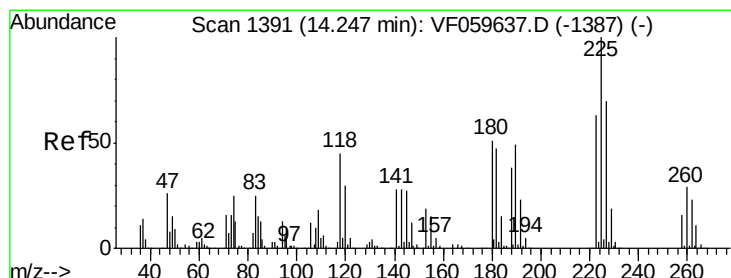
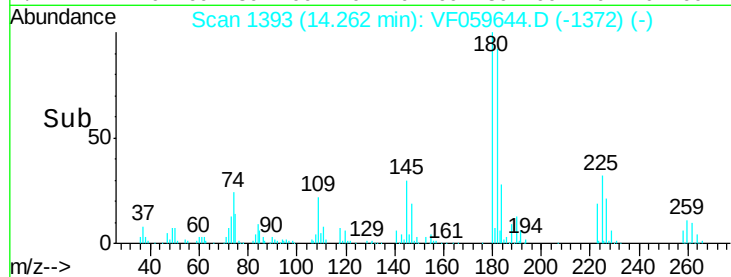
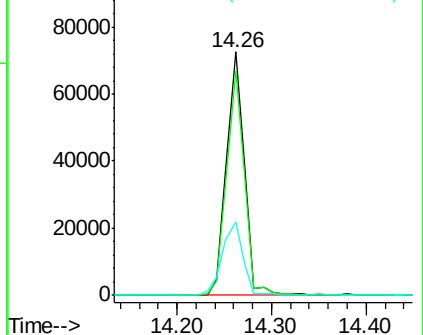
Tot Ion	Ratio	Resp	Lower	Upper
180	100	94979		
182	92.4	48.5	145.6	
145	29.9	17.4	52.2	

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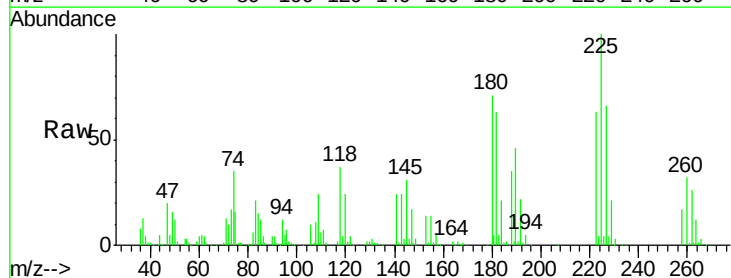


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

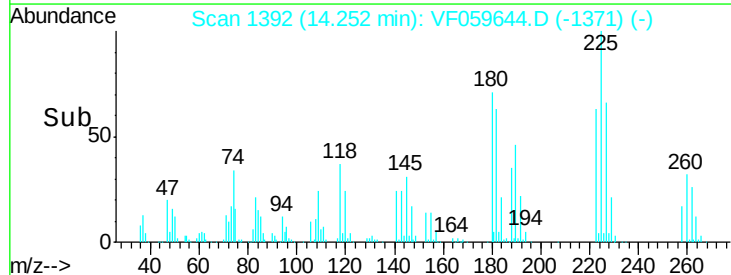
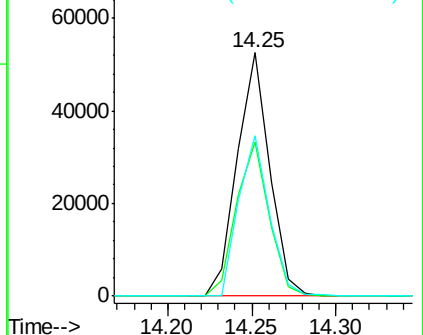


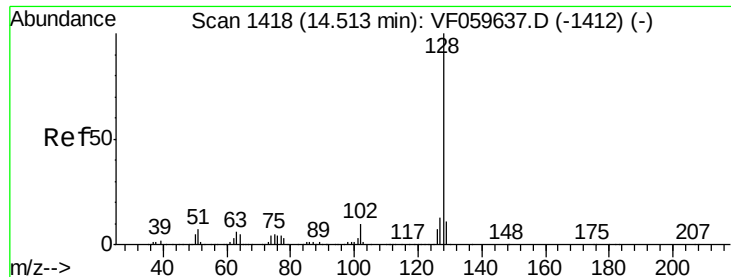
#94
Hexachlorobutadiene
Concen: 22.822 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70387		
223	63.0	33.3	99.8	
227	65.8	34.8	104.4	



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





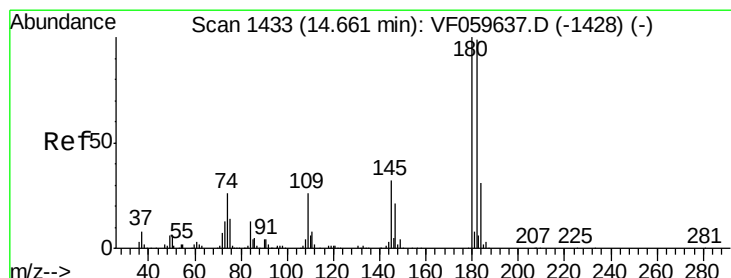
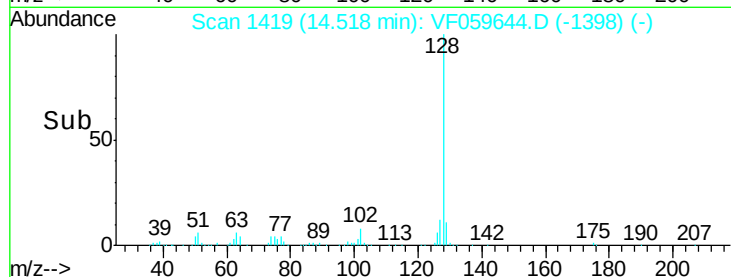
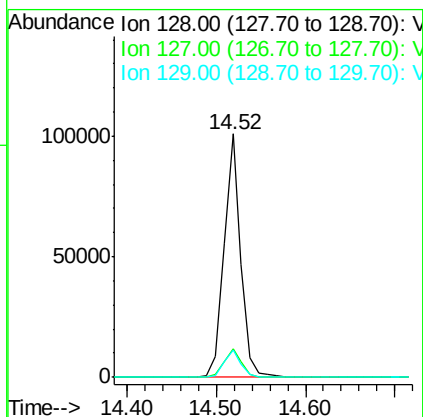
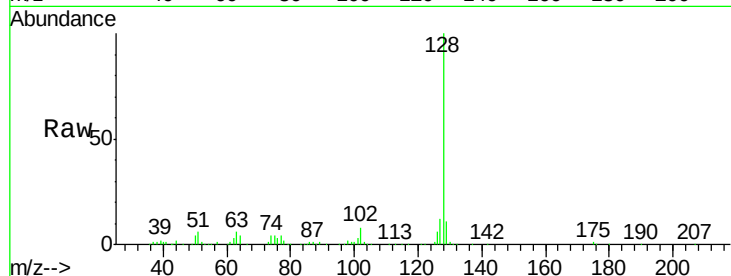
#95
Naphthalene
Concen: 20.190 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	133560		
127	11.9		10.1	15.1
129	11.1		9.1	13.7

Manual Integrations
APPROVED

apatel
7/25/2018 2:34:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.287 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84061		
182	93.5		49.5	148.5
145	28.7		16.0	48.0

