

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060327.D
 Acq On : 25 Sep 2018 16:21
 Operator : VA/AP
 Sample : VF0925SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

Manual Integrations
 APPROVED

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 9/26/2018 11:42:21 AM

Quant Time: Sep 26 02:21:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	254611	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	409216	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	381609	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	198292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	185122	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
35) Dibromofluoromethane	4.27	113	194187	53.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	7.69	98	479589	50.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.50	95	205782	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	113158	26.784	ug/l	89
3) Chloromethane	1.13	50	76015	21.909	ug/l	95
4) Vinyl Chloride	1.18	62	78787	22.281	ug/l	96
5) Bromomethane	1.36	94	54837	23.823	ug/l	91
6) Chloroethane	1.43	64	35415	21.030	ug/l #	81
7) Trichlorofluoromethane	1.53	101	163662	24.843	ug/l	97
8) Diethyl Ether	1.70	74	21956	20.032	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	79979	22.828	ug/l	88
10) Methyl Iodide	1.97	142	127057	22.489	ug/l	88
11) Tert butyl alcohol	2.68	59	22661	109.008	ug/l #	85
12) 1,1-Dichloroethene	1.86	96	71067	24.528	ug/l	90
13) Acrolein	2.08	56	7850	72.133	ug/l	97
14) Allyl chloride	2.18	41	113422	22.432	ug/l	93
15) Acrylonitrile	3.06	53	46436	95.901	ug/l	92
16) Acetone	2.33	43	98131	101.636	ug/l	96
17) Carbon Disulfide	1.87	76	204416	24.575	ug/l	100
18) Methyl Acetate	2.44	43	26170	16.270	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	156624	21.683	ug/l	99
20) Methylene Chloride	2.27	84	75351m	25.209	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	68781	22.984	ug/l	95
22) Diisopropyl ether	2.91	45	213271	22.356	ug/l	98
23) Vinyl Acetate	3.32	43	392231	104.686	ug/l	99
24) 1,1-Dichloroethane	2.99	63	137242	22.183	ug/l	99
25) 2-Butanone	4.49	43	129102	99.341	ug/l	99
26) 2,2-Dichloropropane	3.75	77	83626	23.690	ug/l	86
27) cis-1,2-Dichloroethene	3.62	96	88796	22.586	ug/l	93
28) Bromochloromethane	3.88	49	50321	20.891	ug/l	99
29) Tetrahydrofuran	4.23	42	49847	104.740	ug/l	98
30) Chloroform	4.02	83	165437	22.161	ug/l	95
31) Cyclohexane	3.86	56	113748	21.766	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	145405	24.685	ug/l	95
36) 1,1-Dichloropropene	4.44	75	120245	23.557	ug/l	96
37) Ethyl Acetate	4.27	43	44458	20.584	ug/l	95
38) Carbon Tetrachloride	4.15	117	140619m	25.648	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	128736	23.270	ug/l	98
40) Benzene	4.80	78	269780	23.309	ug/l	97
41) Methacrylonitrile	4.91	41	25346	21.627	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	105195	24.693	ug/l	97
43) Isopropyl Acetate	7.10	43	51981	19.992	ug/l #	94
44) Trichloroethene	5.65	130	79822	23.173	ug/l	99
45) 1,2-Dichloropropane	6.39	63	67205	22.436	ug/l	90
46) Dibromomethane	6.24	93	48790	22.787	ug/l	91
47) Bromodichloromethane	6.53	83	120139	23.348	ug/l	93
48) Methyl methacrylate	6.86	41	35927	19.684	ug/l	89
49) 1,4-Dioxane	6.85	88	6649	407.756	ug/l #	76
51) 4-Methyl-2-Pentanone	8.39	43	213910	106.741	ug/l	98
52) Toluene	7.76	92	161114	22.004	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	98473	23.726	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	117218	22.418	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	47320	21.293	ug/l	98
56) Ethyl methacrylate	8.75	69	55665	20.740	ug/l	93
57) 1,3-Dichloropropane	8.98	76	82284	22.362	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	29263	123.331	ug/l	100
59) 2-Hexanone	9.62	43	156058	109.371	ug/l	95
60) Dibromochloromethane	8.85	129	74996	22.642	ug/l	95
61) 1,2-Dibromoethane	9.12	107	54135	21.875	ug/l	99
64) Tetrachloroethene	8.29	164	69668	20.139	ug/l	97
65) Chlorobenzene	9.93	112	187857	21.720	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	81425	22.686	ug/l	92
67) Ethyl Benzene	10.03	91	356667	22.304	ug/l	99
68) m/p-Xylenes	10.26	106	241541	43.719	ug/l	97
69) o-Xylene	10.82	106	130508	21.060	ug/l	92
70) Styrene	10.89	104	190343	21.780	ug/l	98
71) Bromoform	10.88	173	40894	20.745	ug/l	91
73) Isopropylbenzene	11.22	105	391533	21.995	ug/l	98
74) N-amyl acetate	11.45	43	90047	23.721	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.77	83	66704	21.144	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	49283	21.818	ug/l	91
77) Bromobenzene	11.59	156	82103	21.401	ug/l	98
78) n-propylbenzene	11.68	91	470035	22.143	ug/l	100
79) 2-Chlorotoluene	11.80	91	273801	22.802	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	333708	23.288	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	25501m	21.362	ug/l	
82) 4-Chlorotoluene	11.98	91	270389	22.403	ug/l	99
83) tert-Butylbenzene	12.21	119	324054	22.309	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	321853	22.120	ug/l	95
85) sec-Butylbenzene	12.38	105	450388	21.937	ug/l	98
86) p-Isopropyltoluene	12.53	119	370575	23.169	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	157603	21.984	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	155286	21.915	ug/l	97
89) n-Butylbenzene	12.91	91	408074	23.650	ug/l	99
90) Hexachloroethane	12.99	117	98091	24.132	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	154576	22.603	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13057	22.044	ug/l	86

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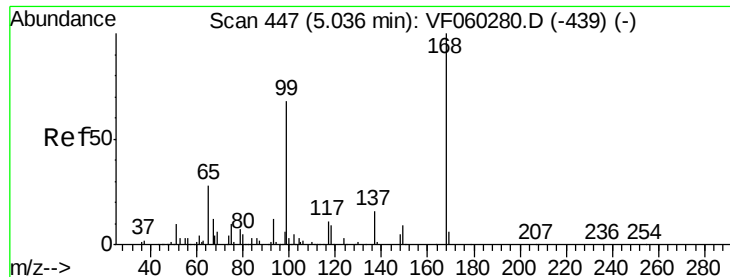
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	116663	23.471	ug/l	96
94) Hexachlorobutadiene	14.25	225	77983	23.208	ug/l	98
95) Naphthalene	14.51	128	206054	23.645	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	104879	22.835	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion:168 Resp: 254611

Ion Ratio Lower Upper

168 100

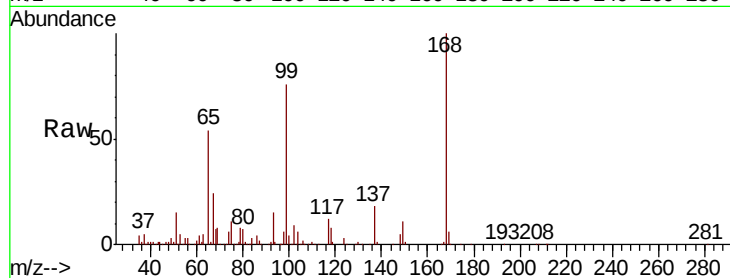
99 75.6 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

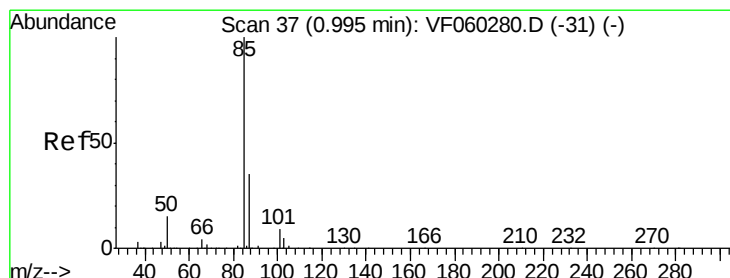
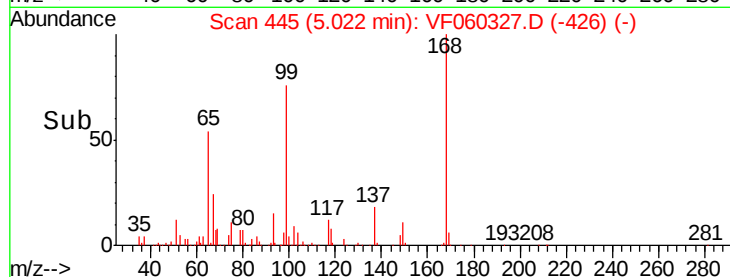
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.784 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060327.D

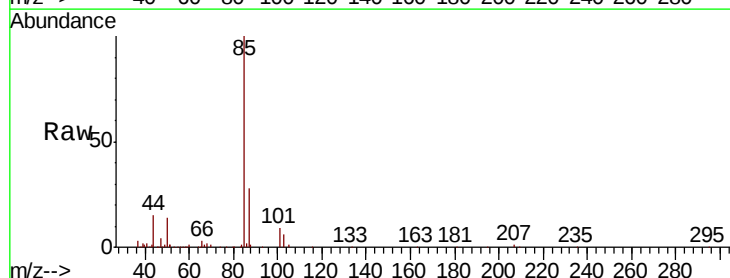
Acq: 25 Sep 2018 16:21

Tgt Ion: 85 Resp: 113158

Ion Ratio Lower Upper

85 100

87 28.4 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

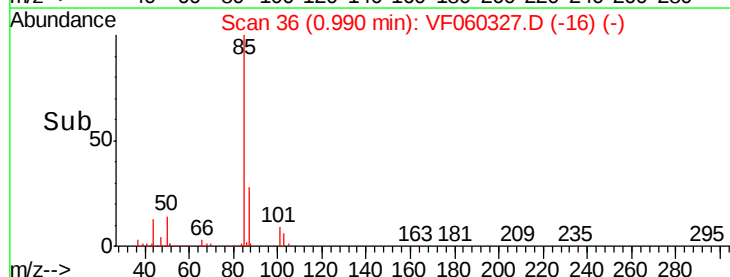
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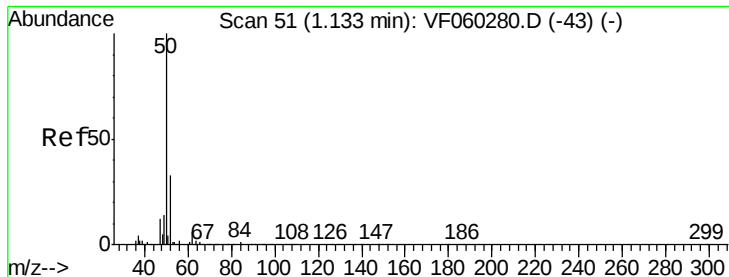
20000

10000

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Time-->





#3

Chloromethane

Concen: 21.909 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 50 Resp: 76015

Ion Ratio Lower Upper

50 100

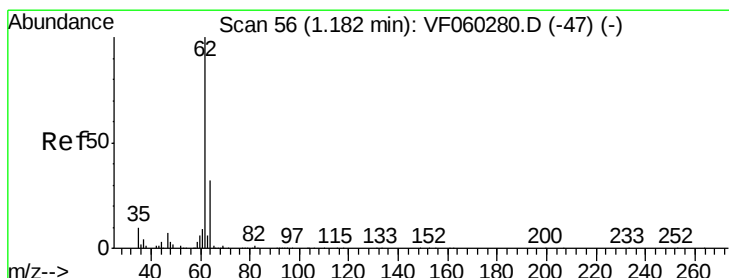
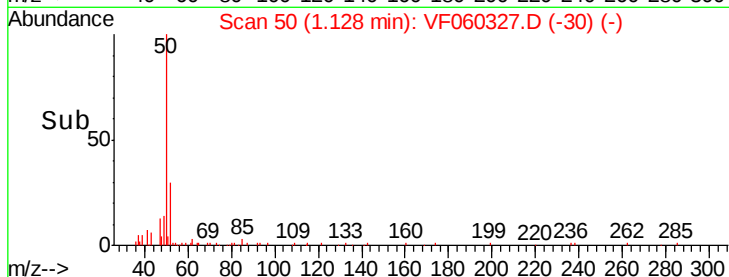
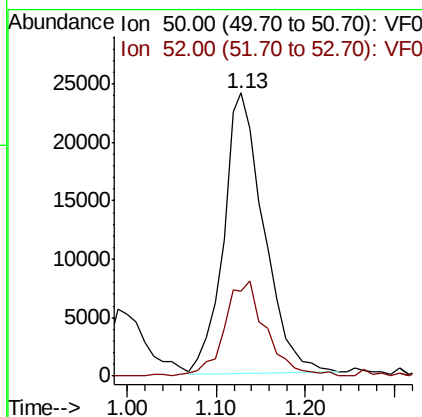
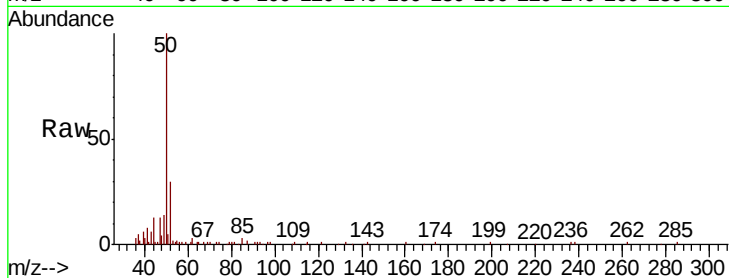
52 30.2 26.5 39.7

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#4

Vinyl Chloride

Concen: 22.281 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060327.D

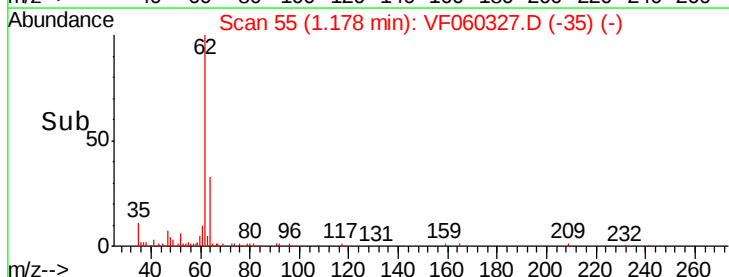
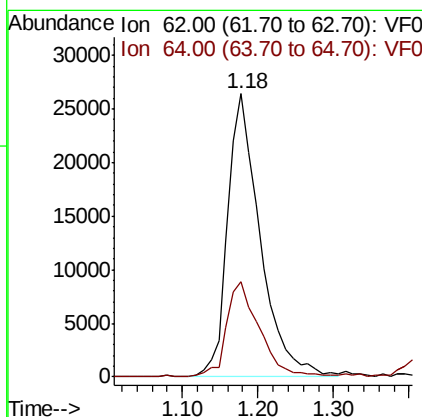
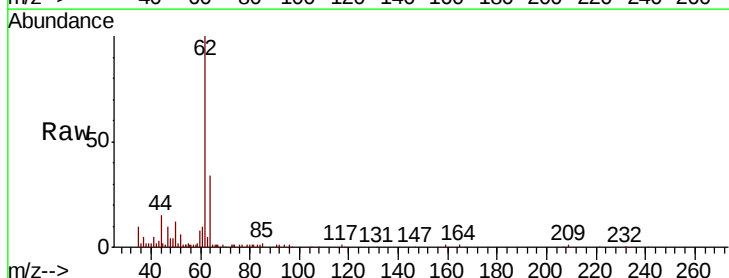
Acq: 25 Sep 2018 16:21

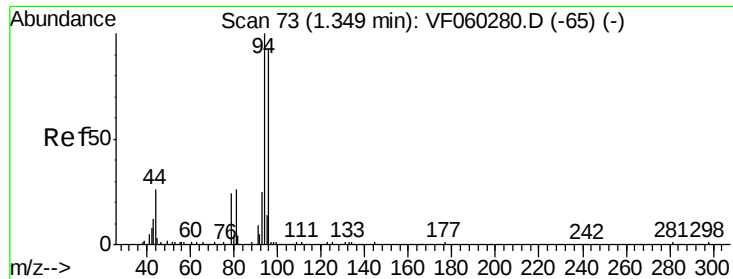
Tgt Ion: 62 Resp: 78787

Ion Ratio Lower Upper

62 100

64 33.6 25.2 37.8





#5

Bromomethane

Concen: 23.823 ug/l

RT: 1.36 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 94 Resp: 54837

Ion Ratio Lower Upper

94 100

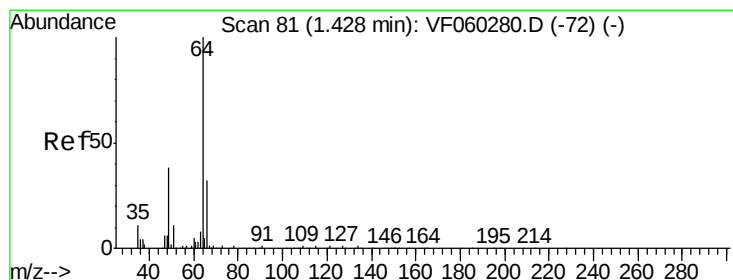
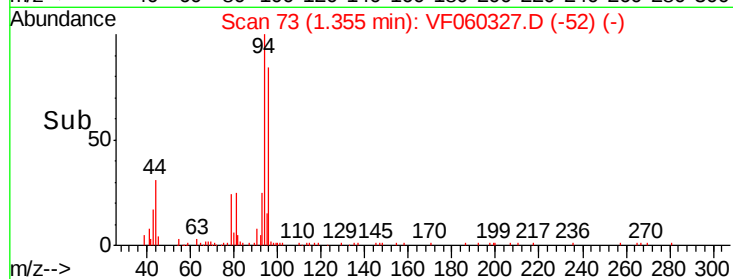
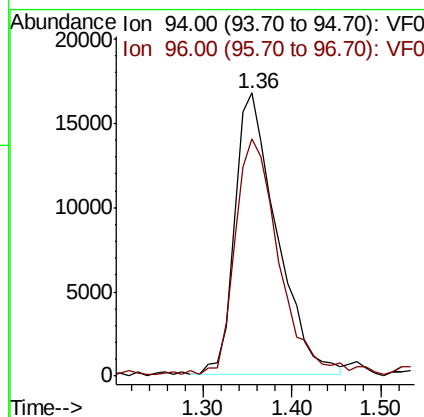
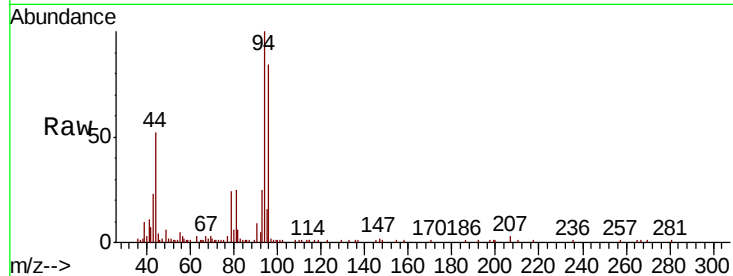
96 83.9 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 21.030 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060327.D

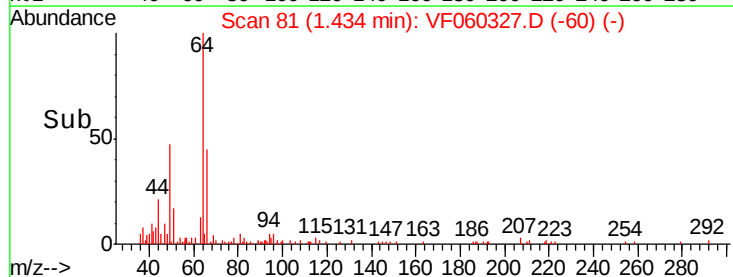
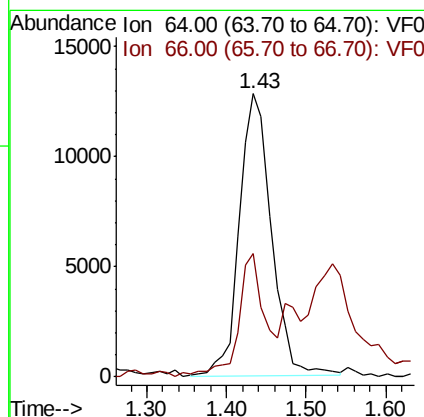
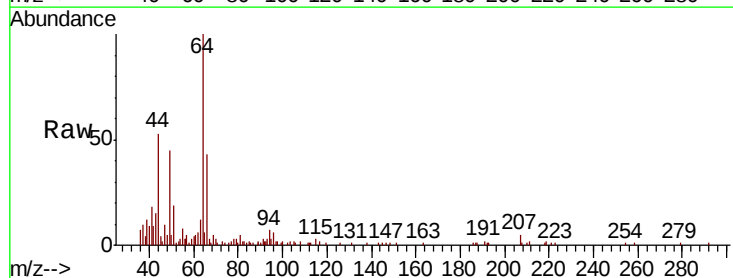
Acq: 25 Sep 2018 16:21

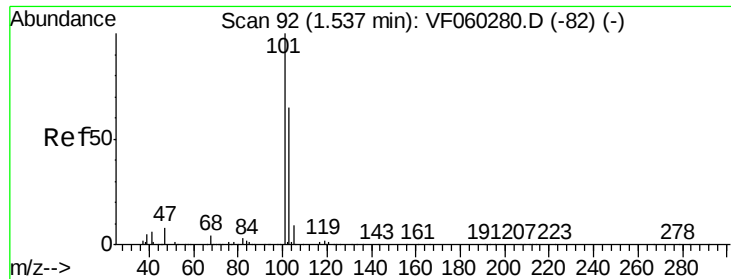
Tgt Ion: 64 Resp: 35415

Ion Ratio Lower Upper

64 100

66 43.4 26.2 39.2#





#7

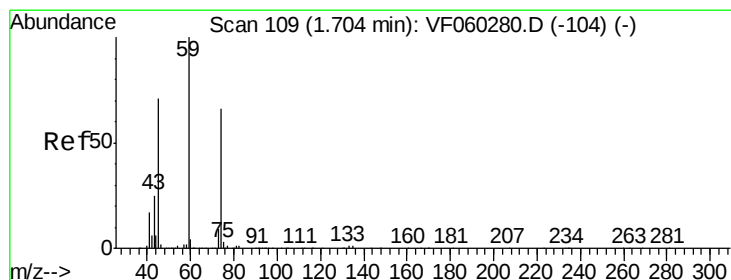
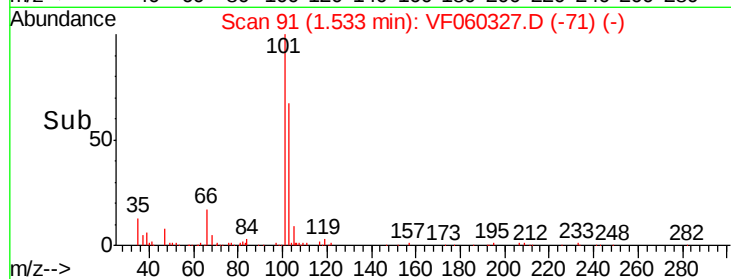
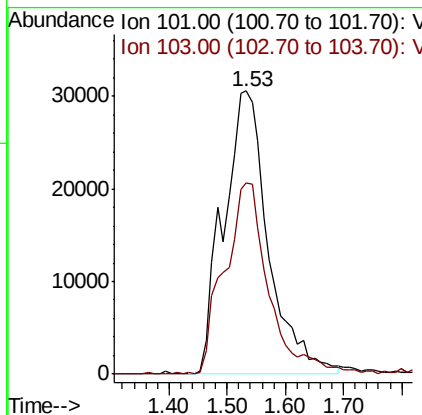
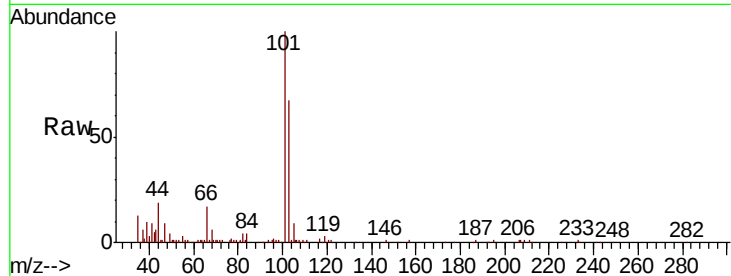
Trichlorofluoromethane
Concen: 24.843 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

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ClientSampleId :
VF0925SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.0	78.0

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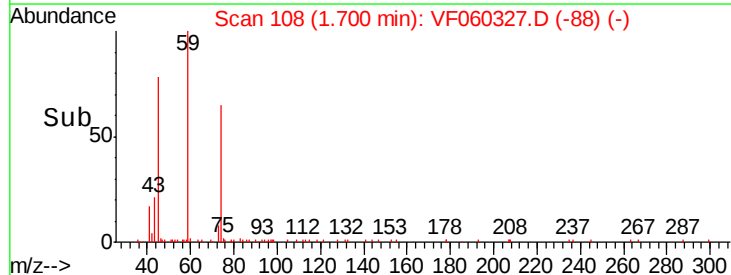
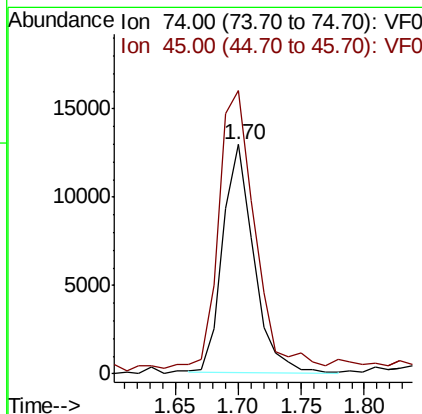
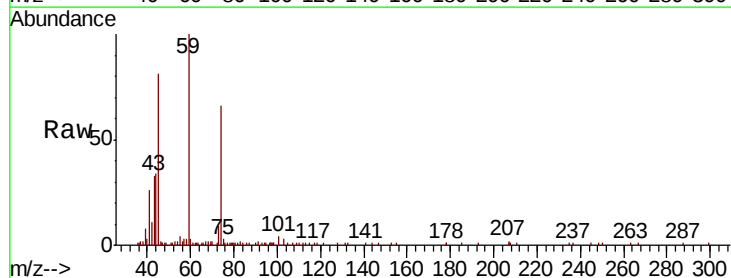
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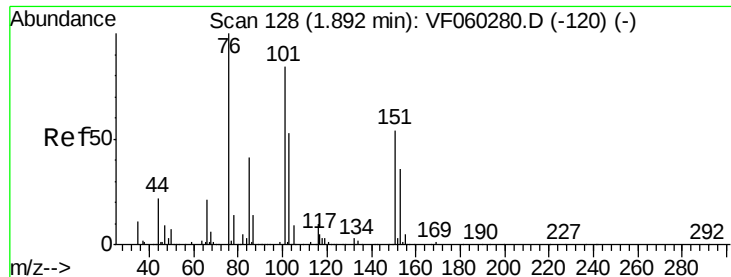


#8

Diethyl Ether
Concen: 20.032 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.3	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.828 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

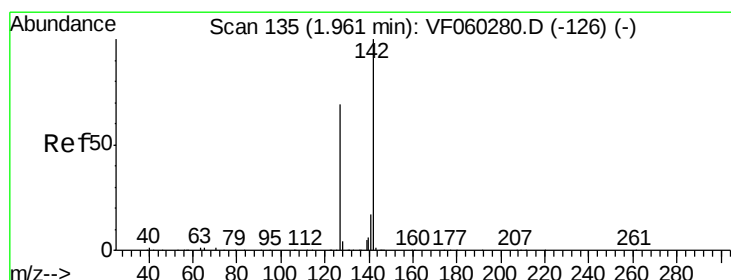
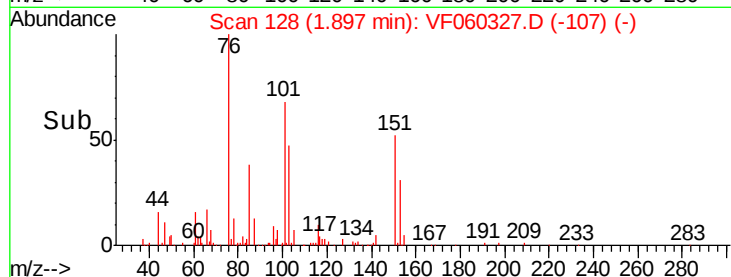
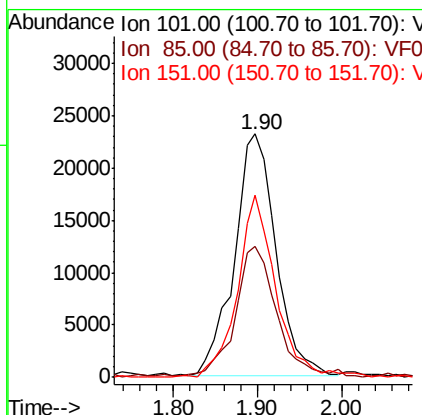
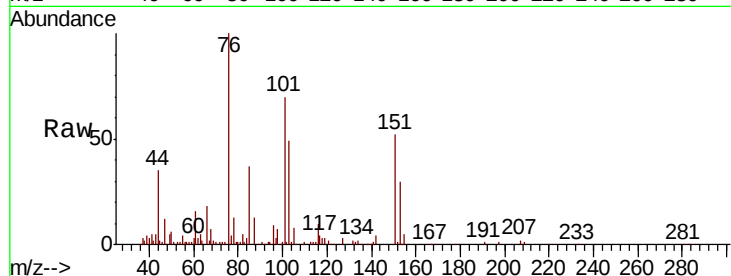
ClientSampleId :

VF0925SBSD01

Tot Ion:	101	Resp:	79979
Ion Ratio	Lower	Upper	
101	100		
85	53.6	38.7	58.1
151	74.7	50.8	76.2

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#10

Methyl Iodide

Concen: 22.489 ug/l

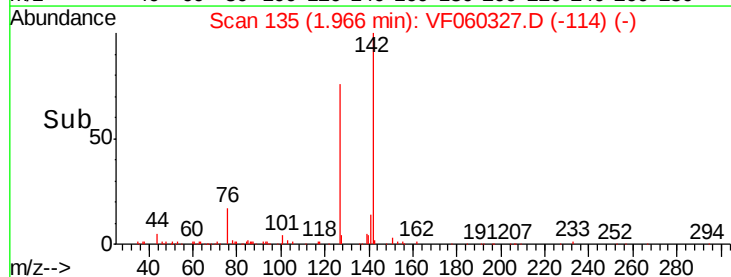
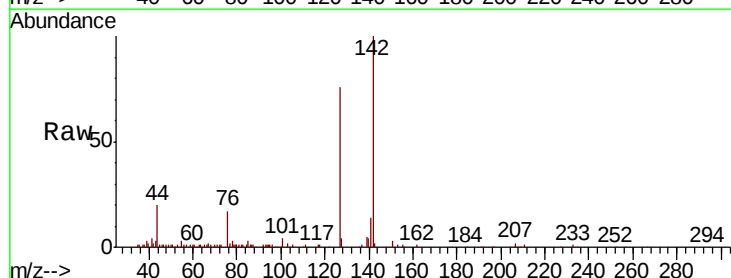
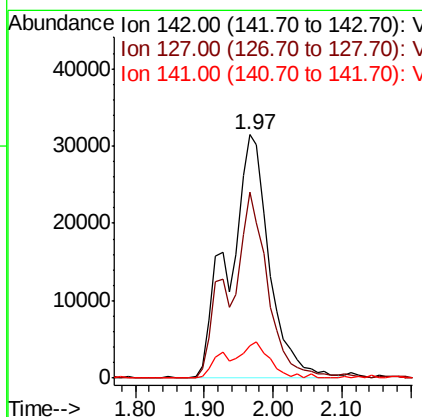
RT: 1.97 min Scan# 135

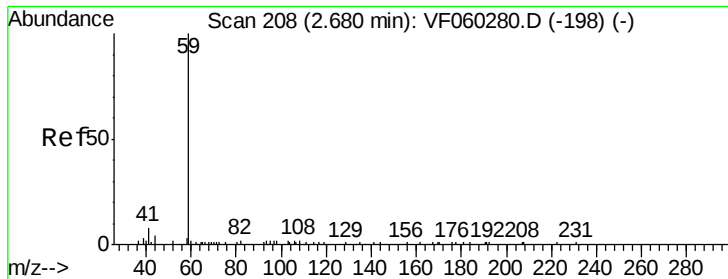
Delta R.T. 0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	142	Resp:	127057
Ion Ratio	Lower	Upper	
142	100		
127	80.3	55.4	83.0
141	13.6	13.3	19.9





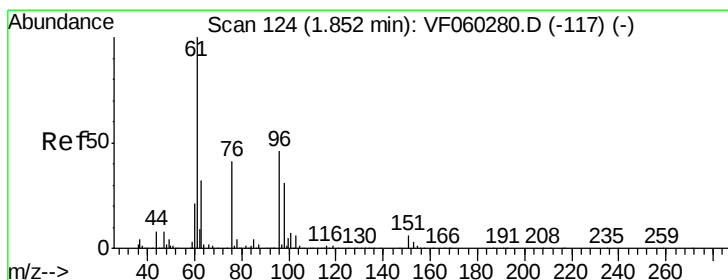
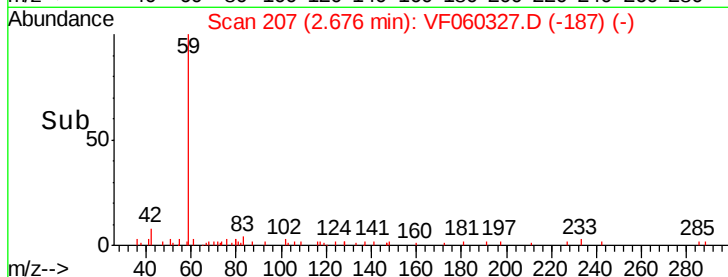
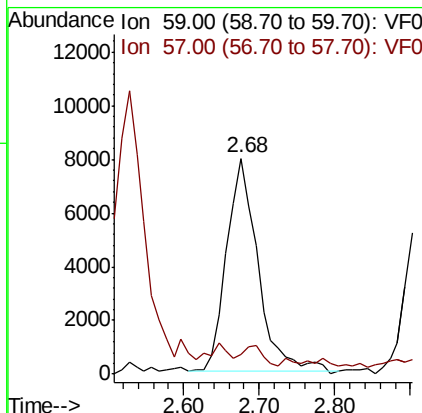
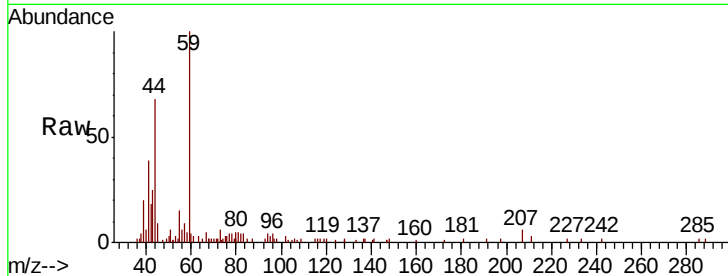
#11
Tert butyl alcohol
Concen: 109.008 ug/l
RT: 2.68 min Scan# 207
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	12.4	18.6#

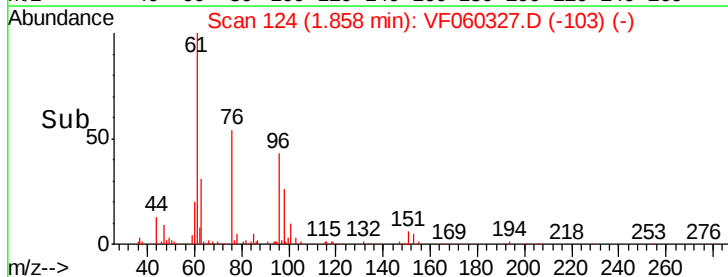
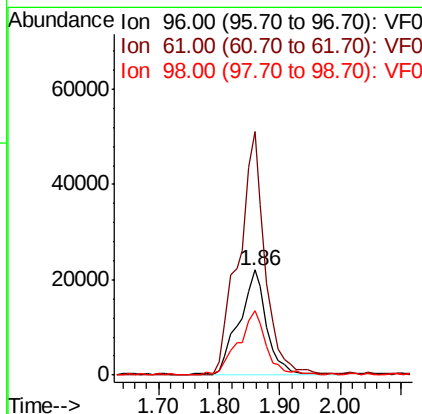
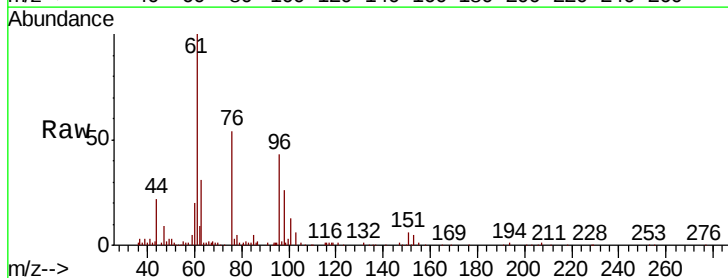
Manual Integrations
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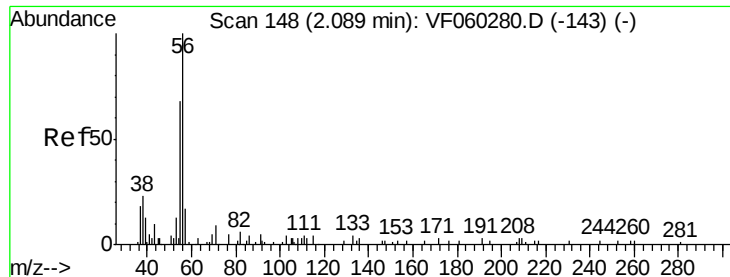
apatel
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#12
1,1-Dichloroethene
Concen: 24.528 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	232.2	172.2	258.2
98	60.9	54.1	81.1





#13

Acrolein

Concen: 72.133 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBSD01

Tot Ion: 56 Resp: 7850

Ion Ratio Lower Upper

56 100

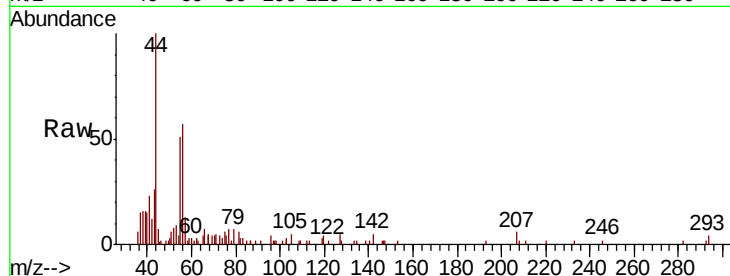
55 90.5 69.9 104.9

Manual Integrations

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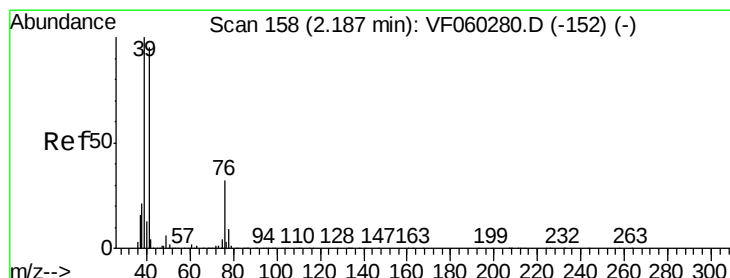
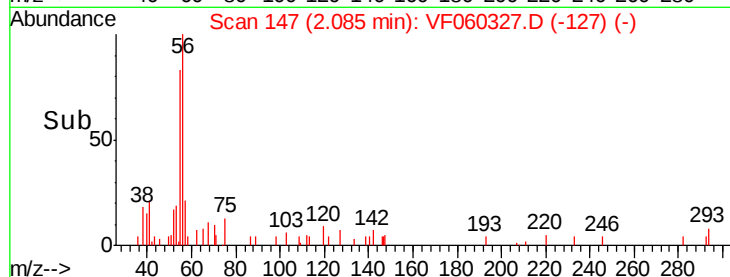
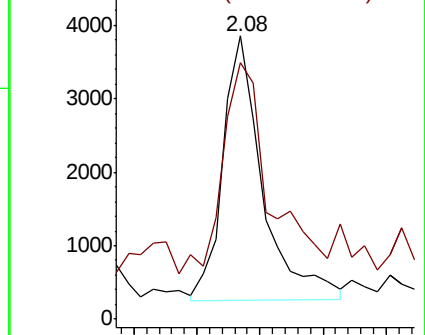
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 22.432 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

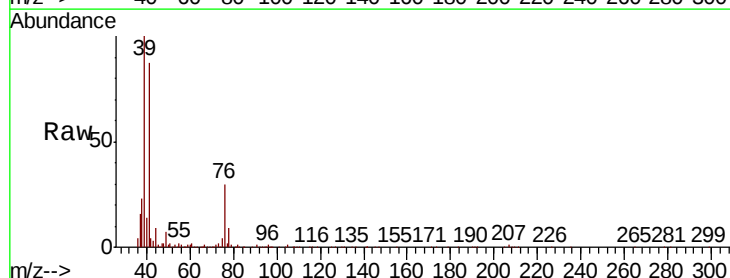
Tgt Ion: 41 Resp: 113422

Ion Ratio Lower Upper

41 100

39 115.0 84.8 127.2

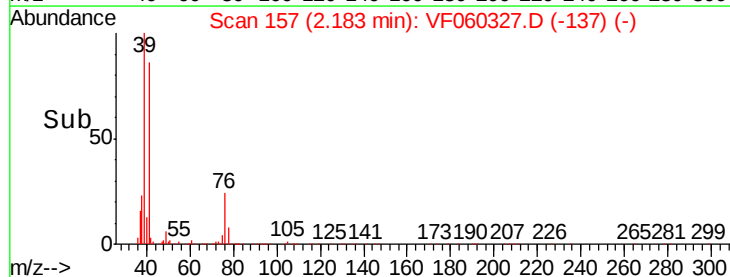
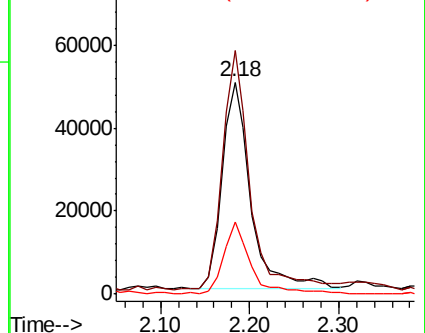
76 34.1 27.4 41.2

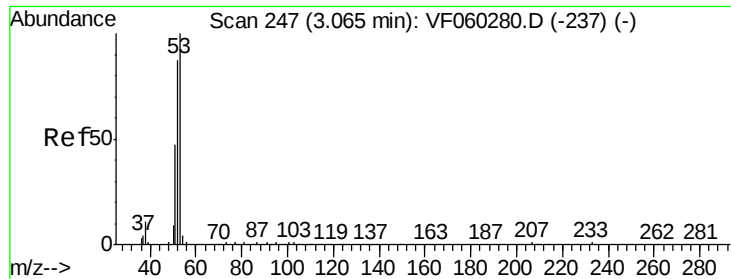


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 95.901 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

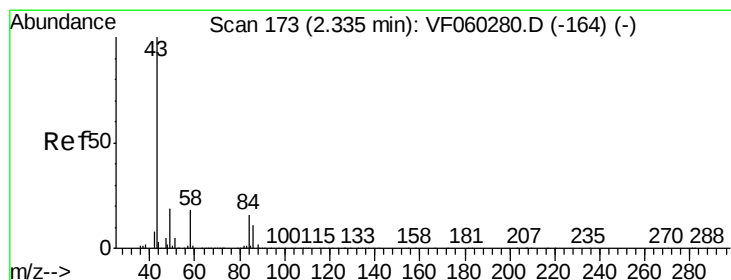
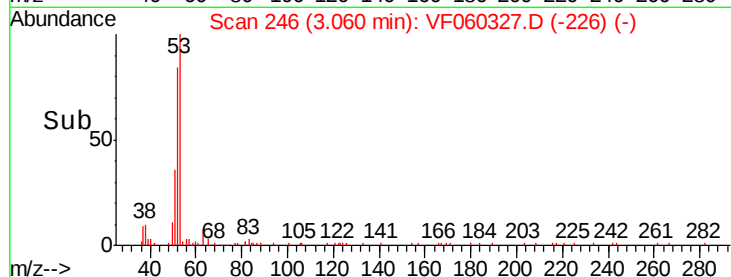
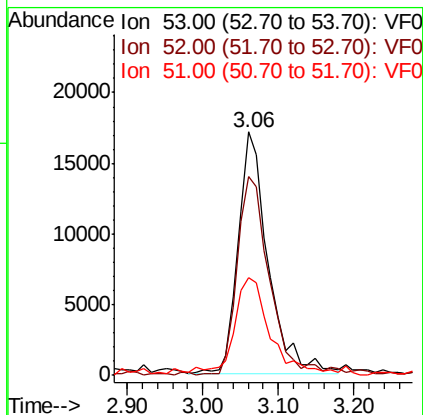
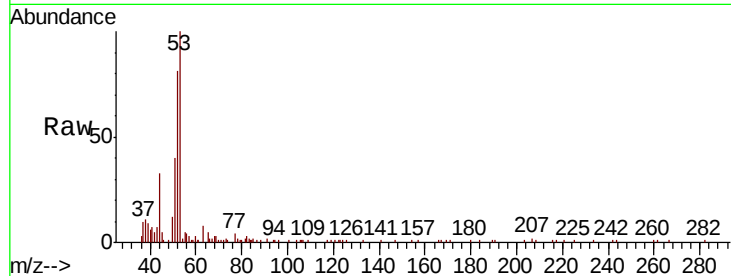
ClientSampleId :

VF0925SBS01

Tot Ion:	53	Resp:	46436
Ion	Ratio	Lower	Upper
53	100		
52	81.5	69.5	104.3
51	40.0	38.1	57.1

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#16

Acetone

Concen: 101.636 ug/l

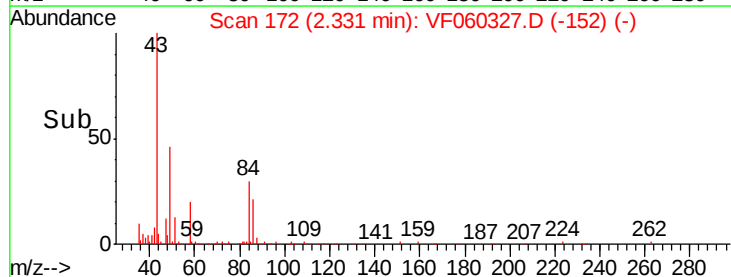
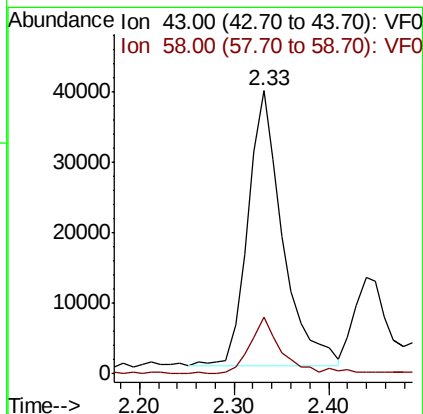
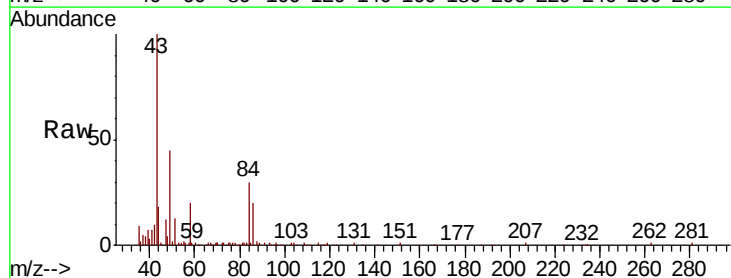
RT: 2.33 min Scan# 172

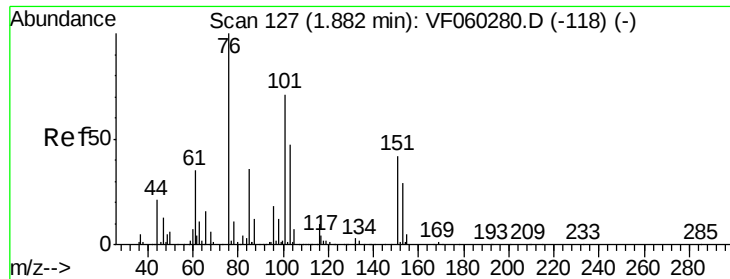
Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	43	Resp:	98131
Ion	Ratio	Lower	Upper
43	100		
58	20.0	14.5	21.7





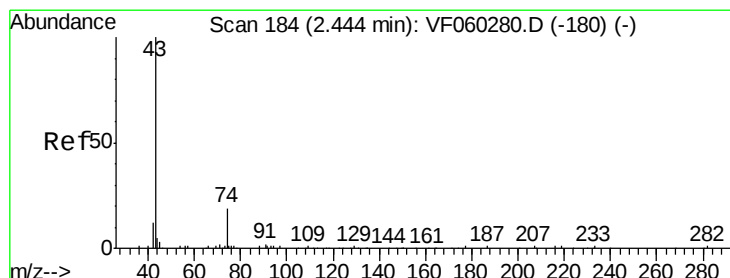
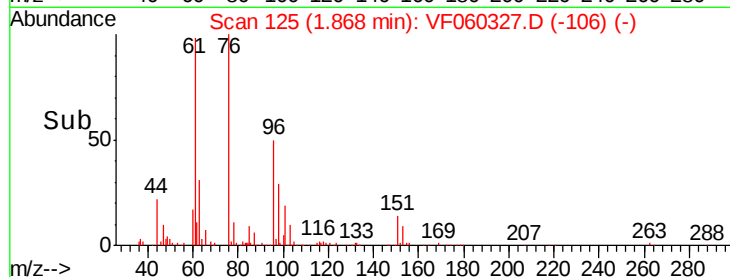
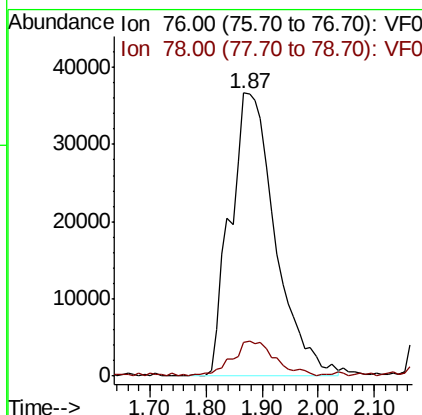
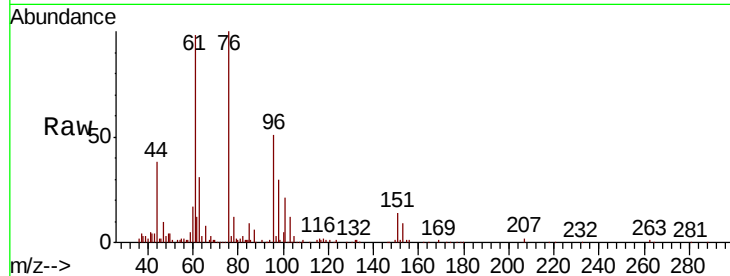
#17
Carbon Disulfide
Concen: 24.575 ug/l
RT: 1.87 min Scan# 125
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion: 76 Resp: 204416
Ion Ratio Lower Upper
76 100
78 11.8 9.4 14.0

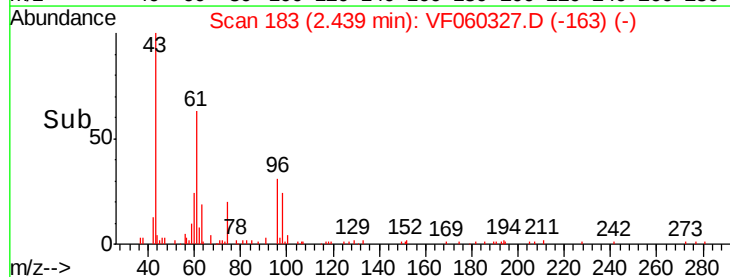
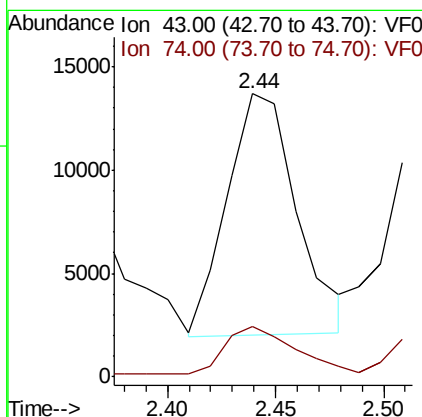
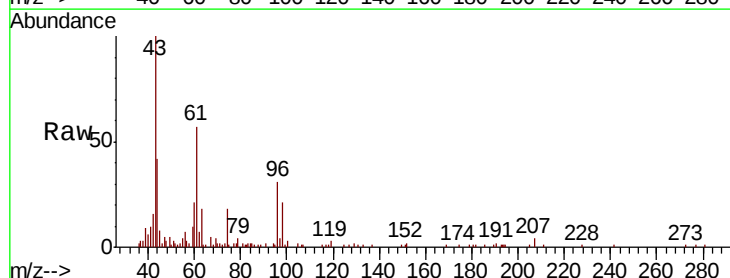
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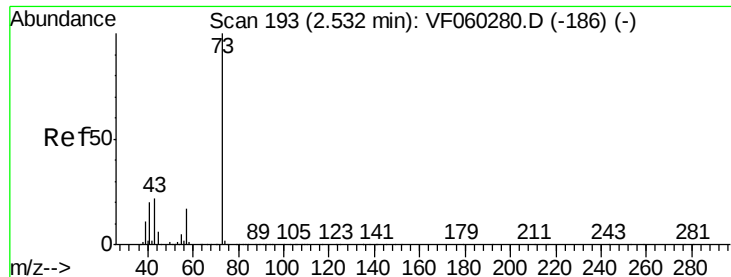
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#18
Methyl Acetate
Concen: 16.270 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion: 43 Resp: 26170
Ion Ratio Lower Upper
43 100
74 17.9 12.7 19.1





#19

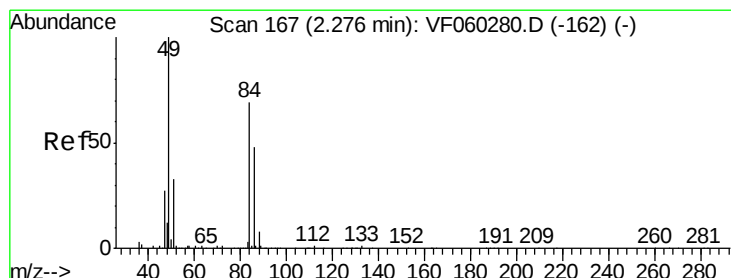
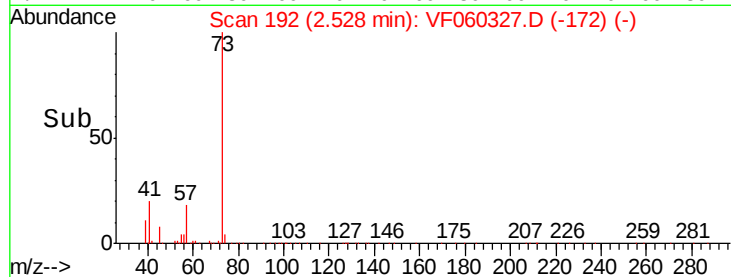
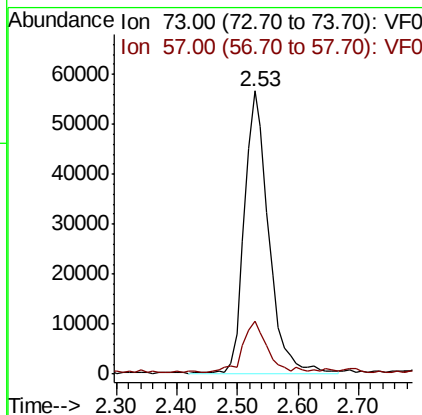
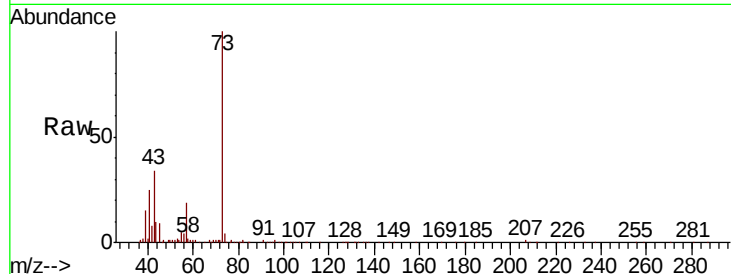
Methyl tert-butyl Ether
 Concen: 21.683 ug/l
 RT: 2.53 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	14.5	21.7

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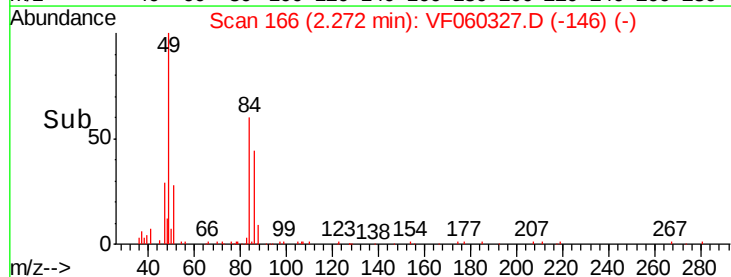
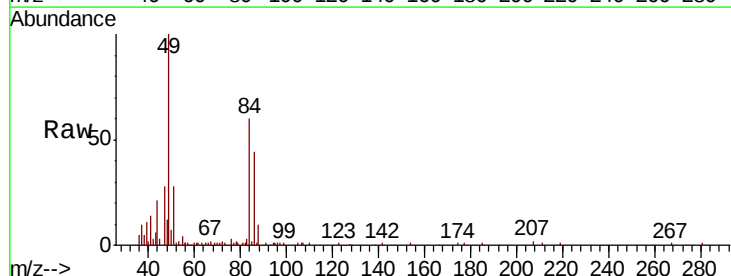
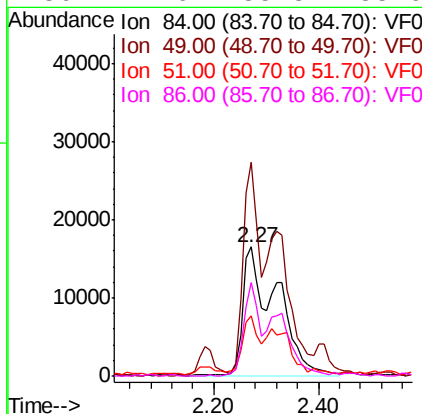
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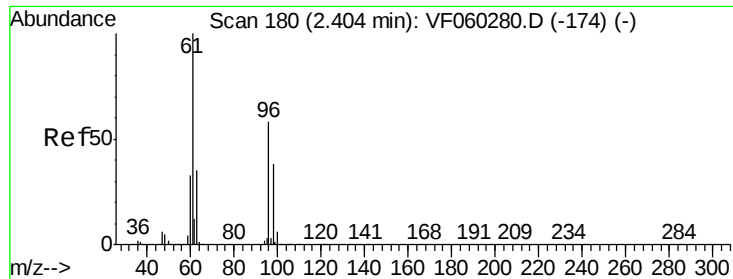


#20

Methylene Chloride
 Concen: 25.209 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	165.3	118.3	177.5
51	46.4	38.7	58.1
86	72.6	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 22.984 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

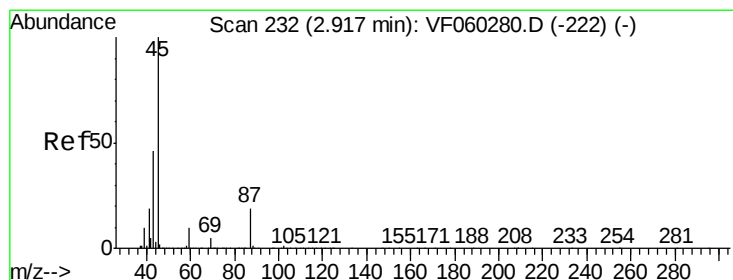
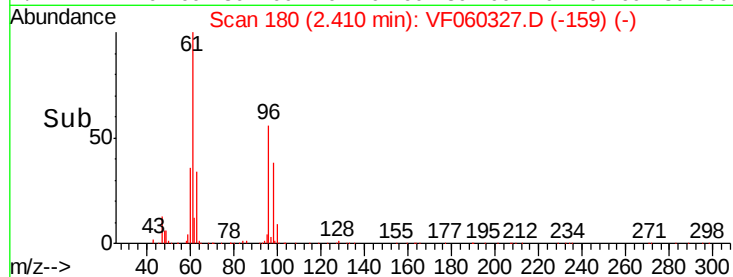
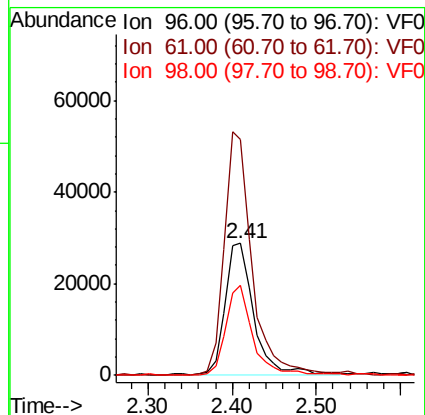
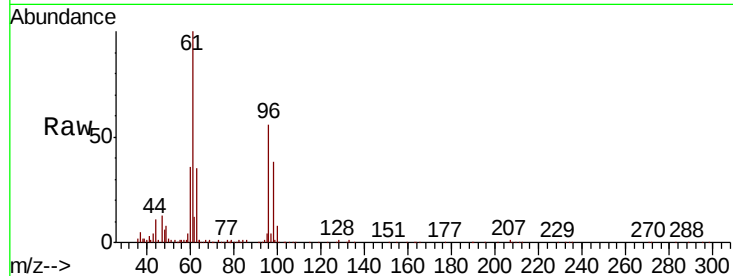
ClientSampleId :

VF0925SBS01

Tot Ion:	96	Resp:	68781
Ion	Ratio	Lower	Upper
96	100		
61	178.5	136.4	204.6
98	67.9	51.8	77.6

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#22

Diisopropyl ether

Concen: 22.356 ug/l

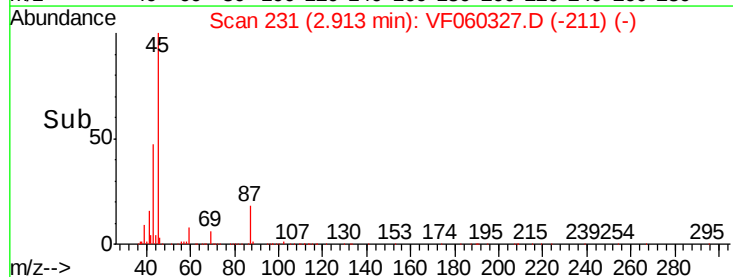
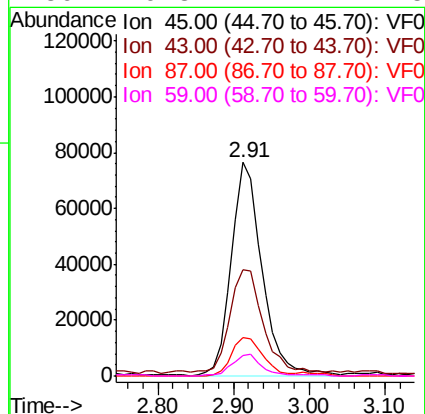
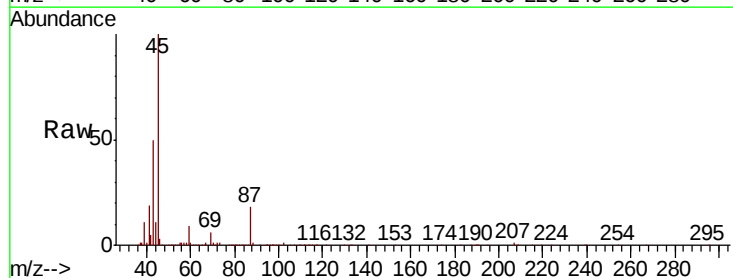
RT: 2.91 min Scan# 231

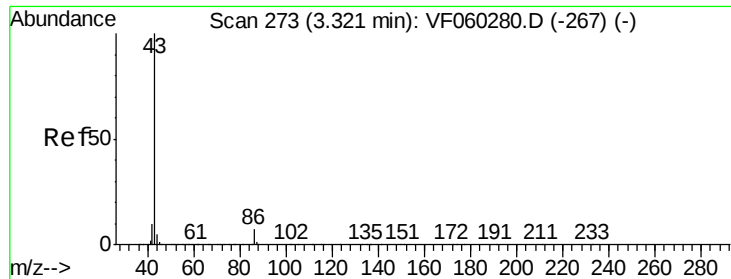
Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	45	Resp:	213271
Ion	Ratio	Lower	Upper
45	100		
43	49.5	38.2	57.2
87	18.3	15.5	23.3
59	9.3	7.7	11.5





#23

Vinyl Acetate

Concen: 104.686 ug/l

RT: 3.32 min Scan# 272

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 43 Resp: 392231

Ion Ratio Lower Upper

43 100

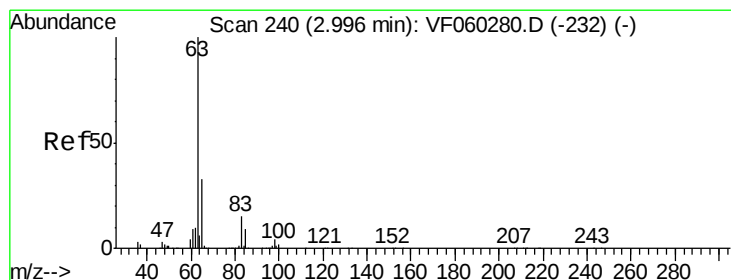
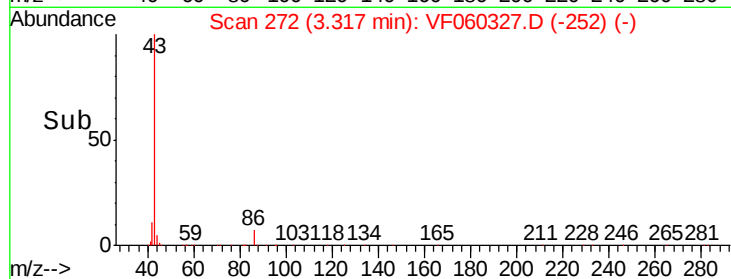
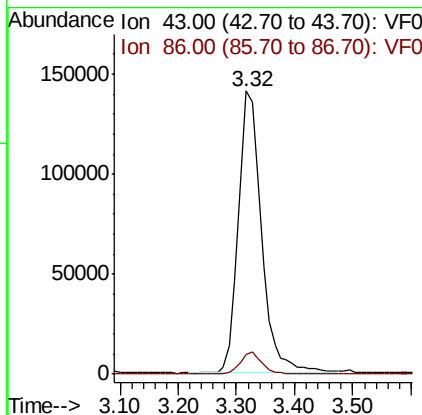
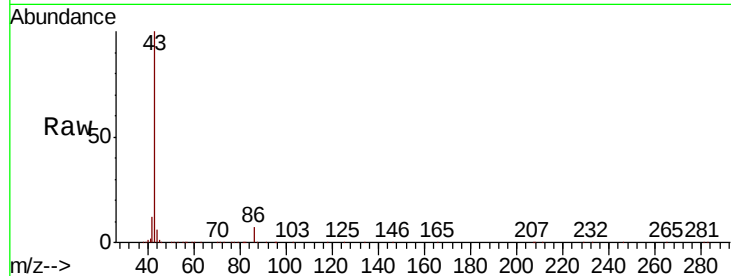
86 7.1 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 22.183 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

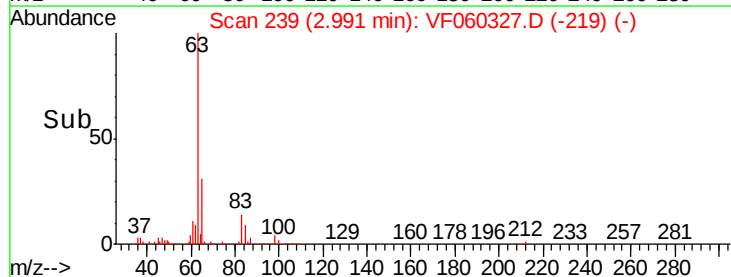
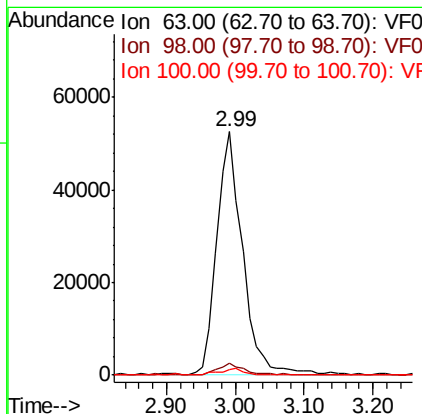
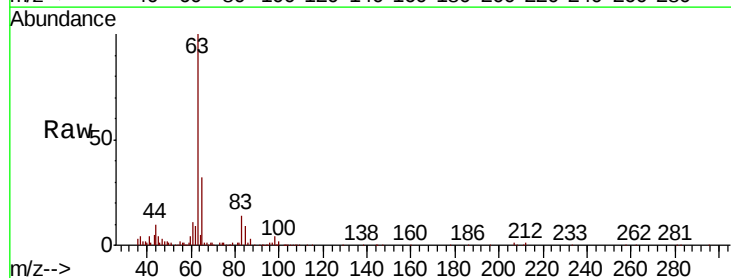
Tgt Ion: 63 Resp: 137242

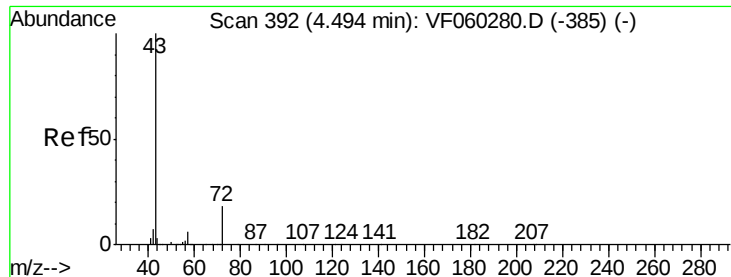
Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

100 2.4 1.1 3.3





#25

2-Butanone

Concen: 99.341 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 43 Resp: 129102

Ion Ratio Lower Upper

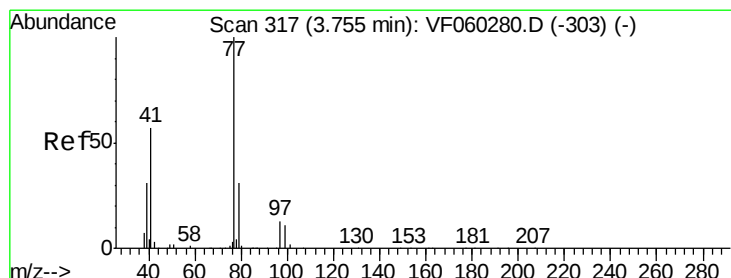
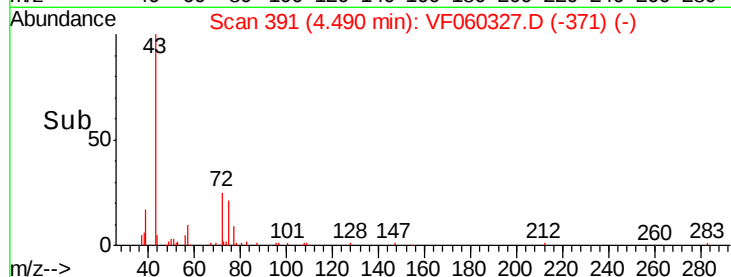
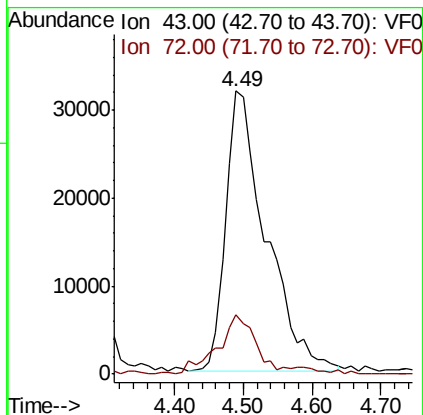
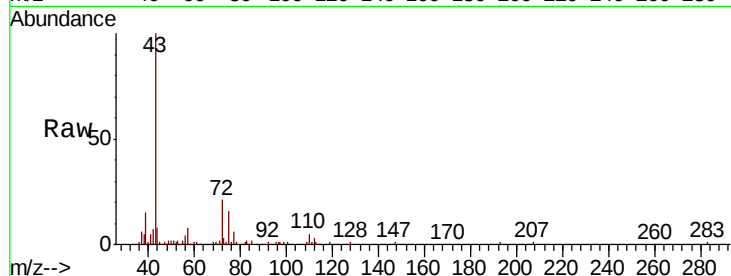
43 100

72 20.8 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 23.690 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.00 min

Lab File: VF060327.D

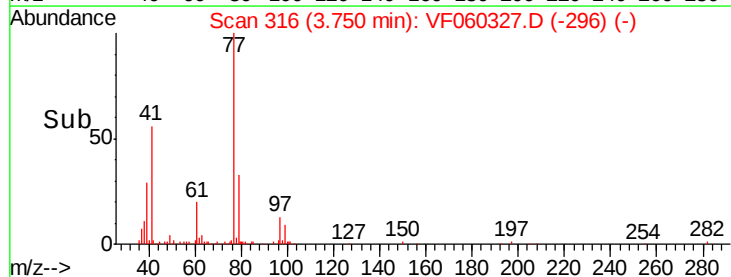
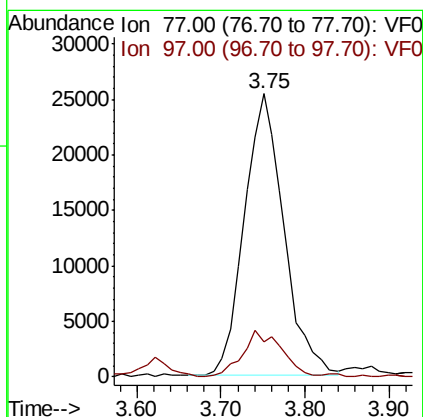
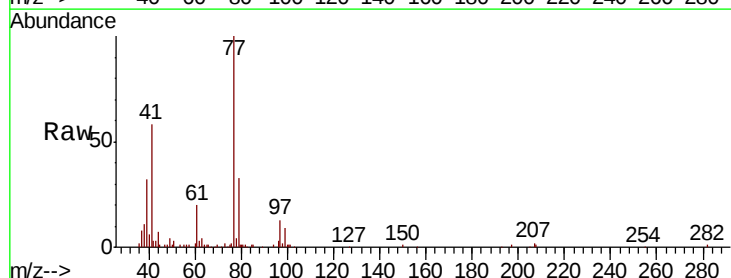
Acq: 25 Sep 2018 16:21

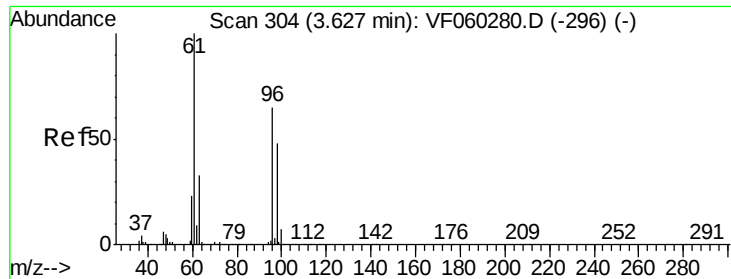
Tgt Ion: 77 Resp: 83626

Ion Ratio Lower Upper

77 100

97 12.5 9.3 27.9





#27

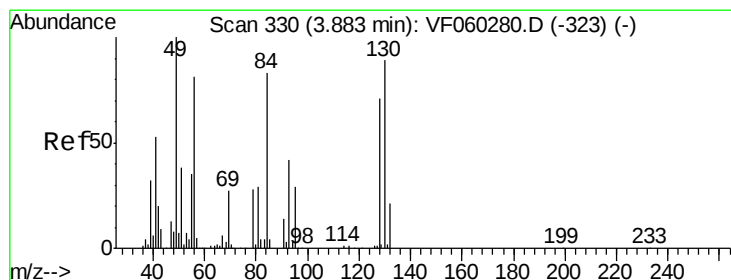
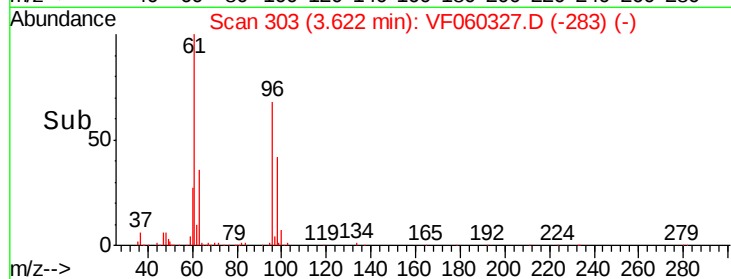
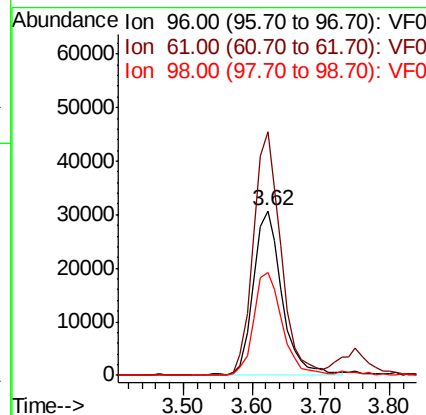
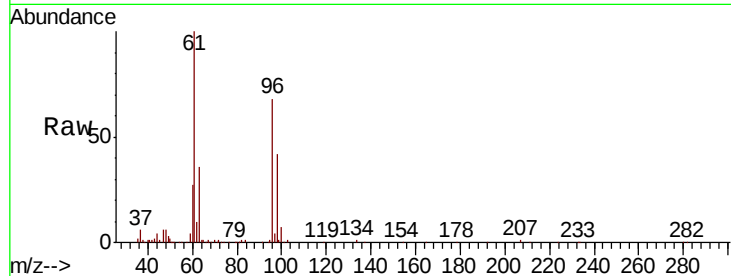
cis-1,2-Dichloroethene
Concen: 22.586 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.9	0.0	304.8	
98	62.4	0.0	146.4	

Manual Integrations
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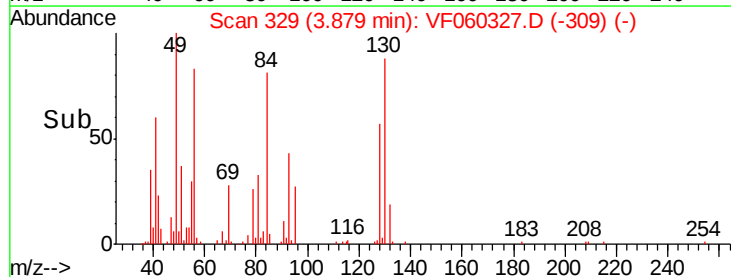
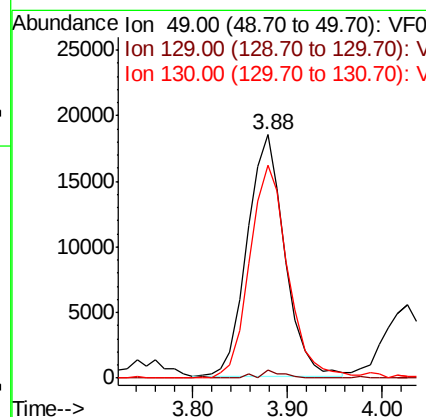
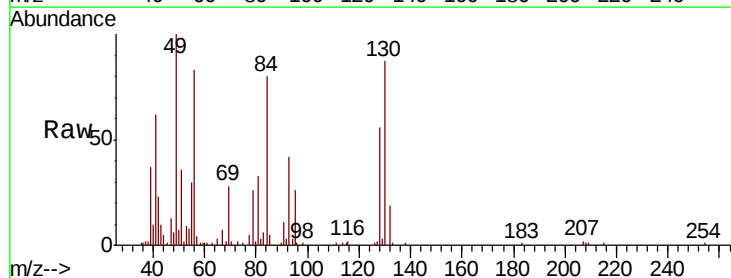
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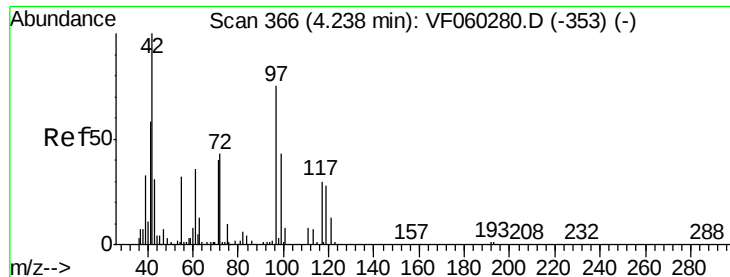


#28

Bromochloromethane
Concen: 20.891 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.3	0.0	4.2	
130	87.4	70.3	105.5	





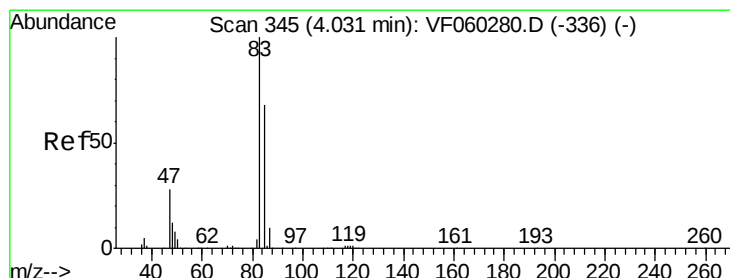
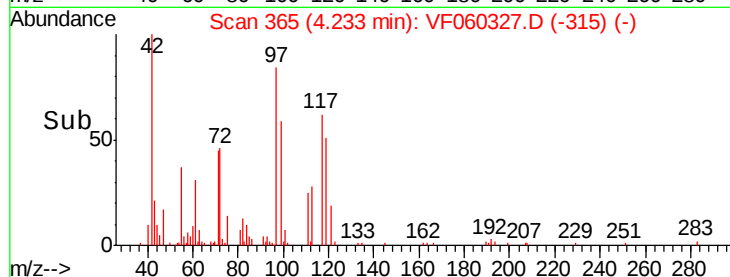
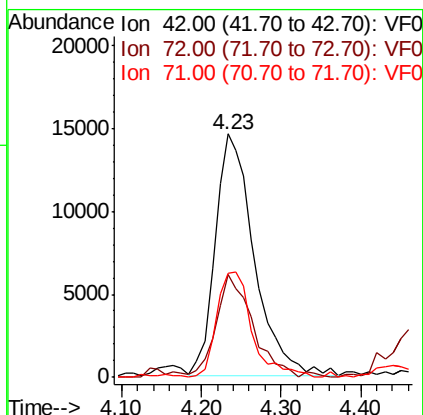
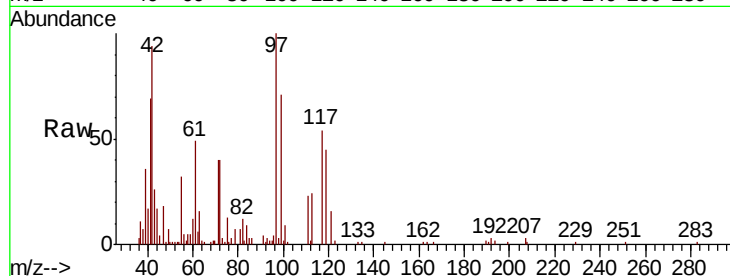
#29
Tetrahydrofuran
Concen: 104.740 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion:	42	Resp:	49847
Ion Ratio	Lower	Upper	
42	100		
72	39.6	32.6	49.0
71	39.9	32.7	49.1

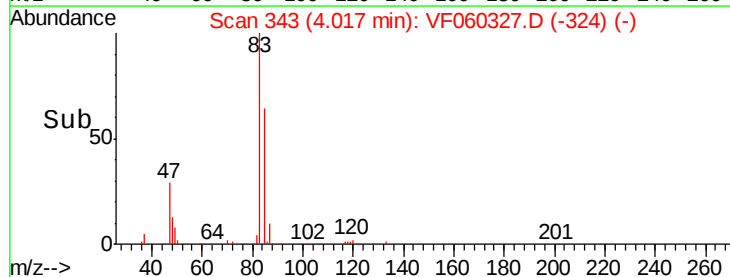
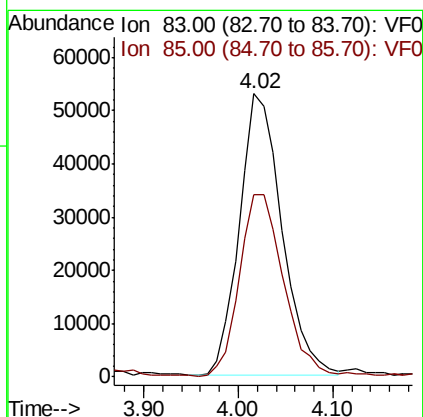
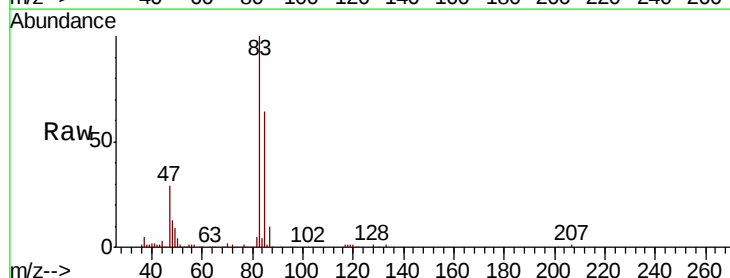
Manual Integrations
APPROVED

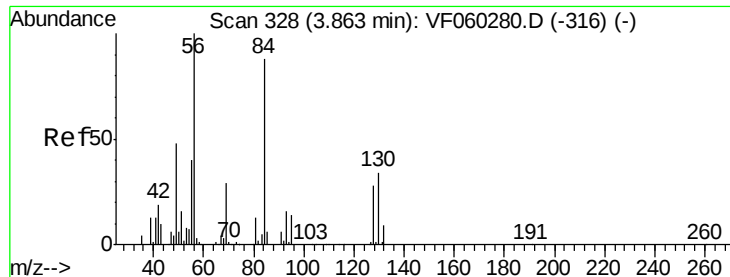
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#30
Chloroform
Concen: 22.161 ug/l
RT: 4.02 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion:	83	Resp:	165437
Ion Ratio	Lower	Upper	
83	100		
85	64.5	54.9	82.3





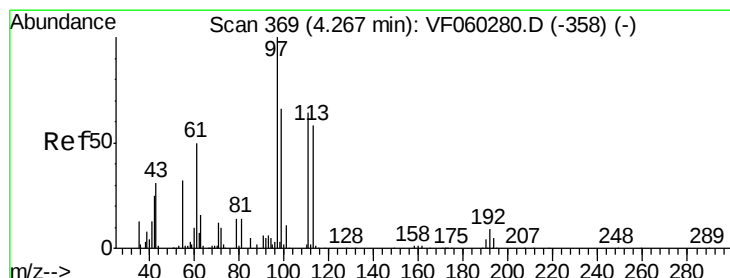
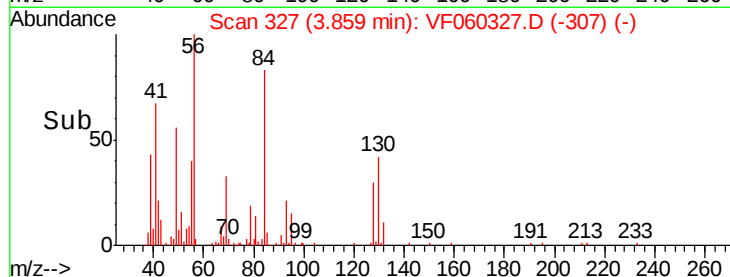
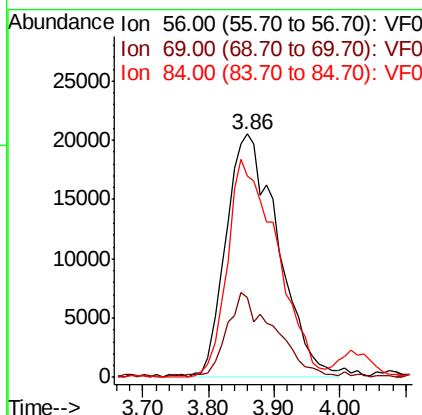
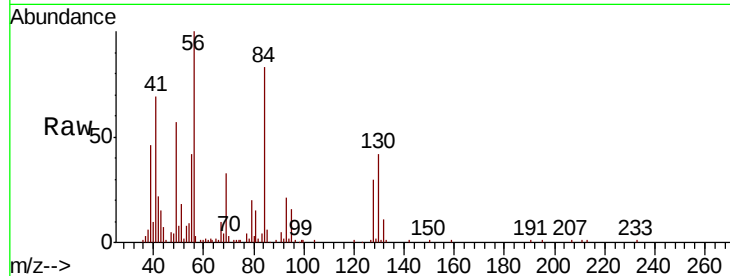
#31
Cyclohexane
Concen: 21.766 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.8	35.6
84	82.6	70.2	105.4

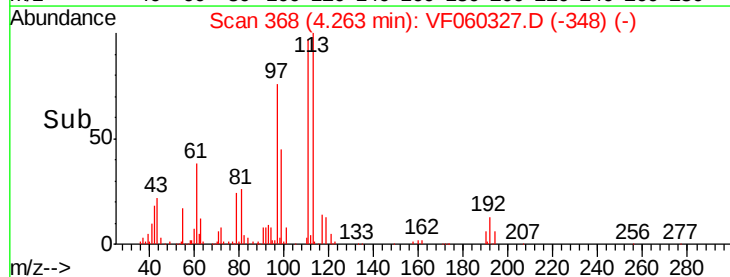
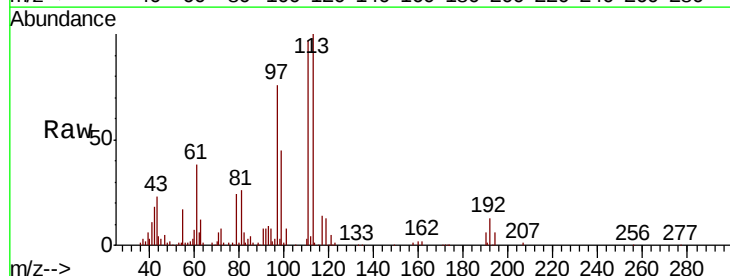
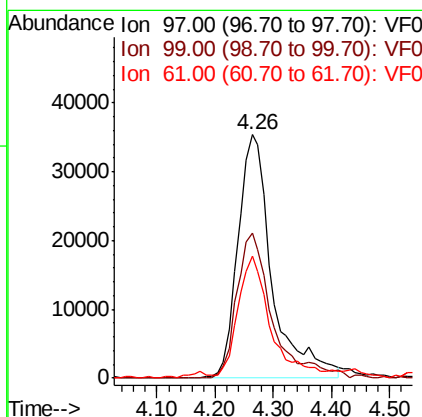
Manual Integrations
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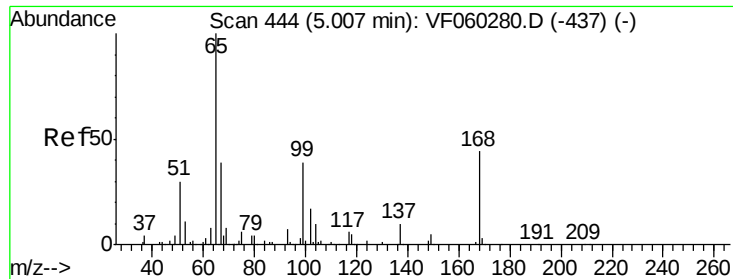
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#32
1,1,1-Trichloroethane
Concen: 24.685 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.4	53.0	79.4
61	50.1	40.6	61.0





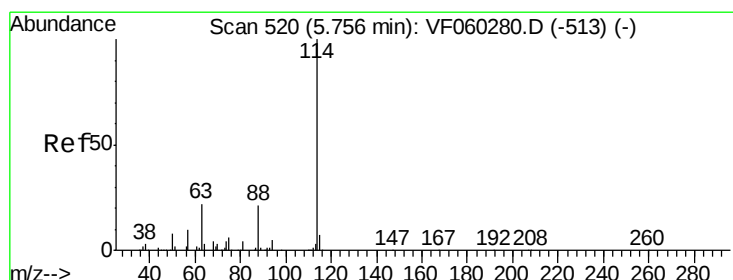
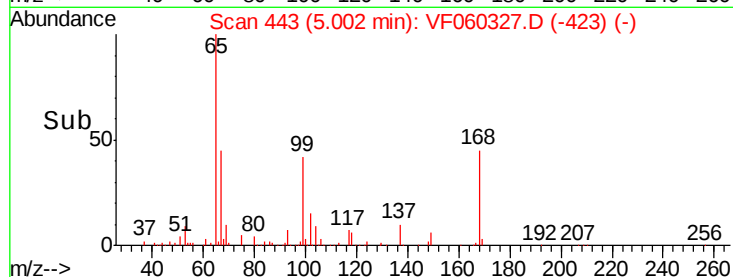
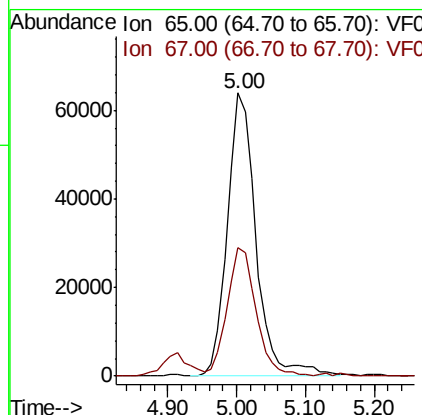
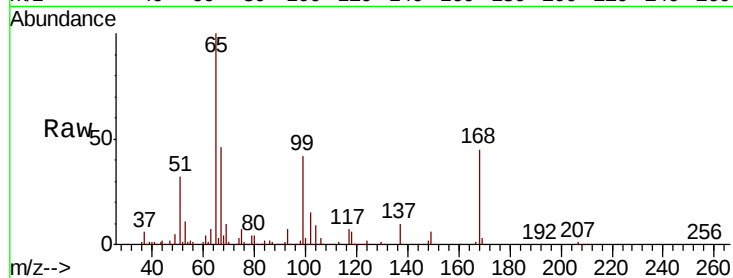
#33
 1,2-Dichloroethane-d4
 Concen: 53.996 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185122		
67	45.6	0.0	94.4	

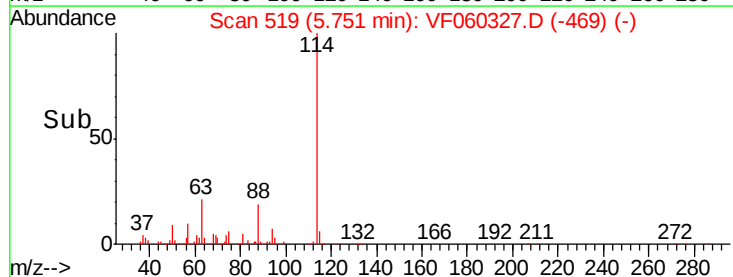
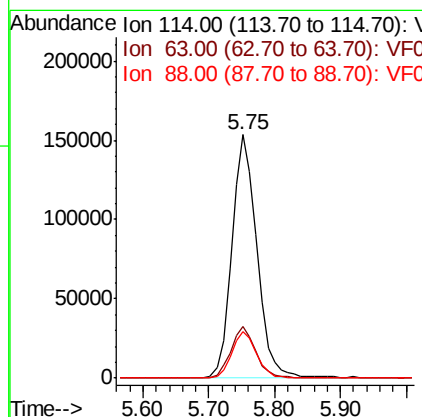
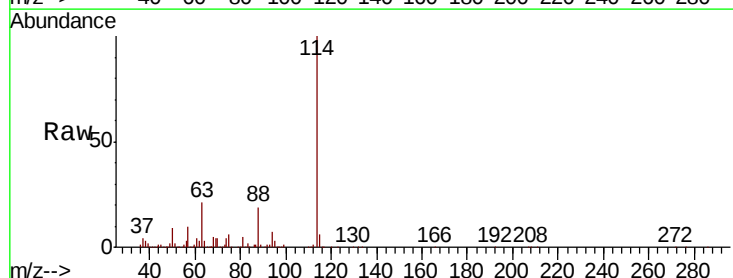
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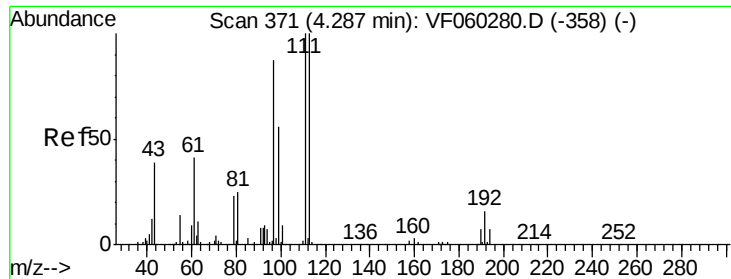
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	409216		
63	21.0	0.0	43.8	
88	19.0	0.0	41.2	





#35

Dibromofluoromethane

Concen: 53.233 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

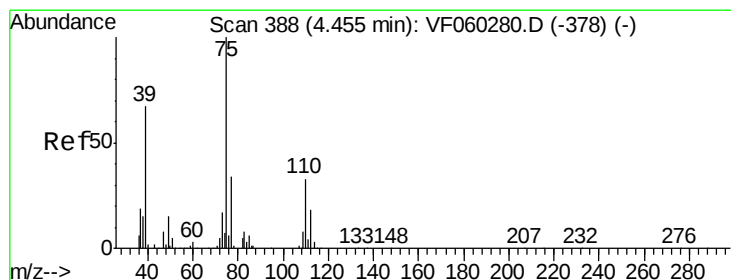
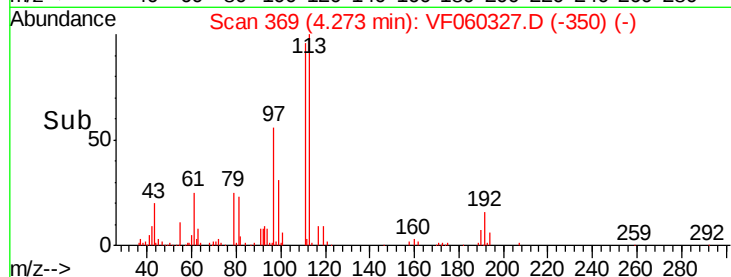
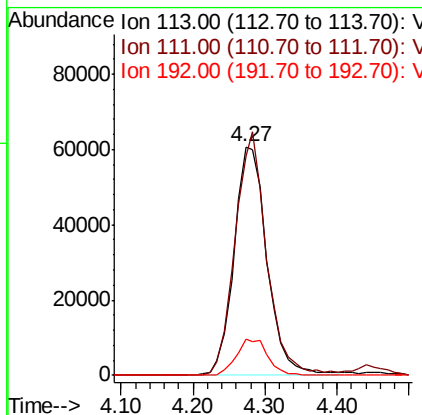
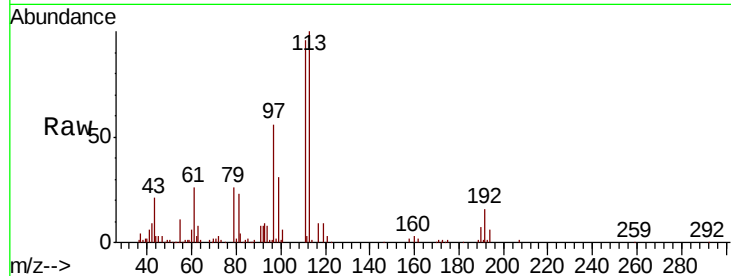
ClientSampleId :

VF0925SBSD01

Tot Ion:	113	Resp:	194187
Ion Ratio	Lower	Upper	
113	100		
111	96.0	79.6	119.4
192	15.6	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 23.557 ug/l

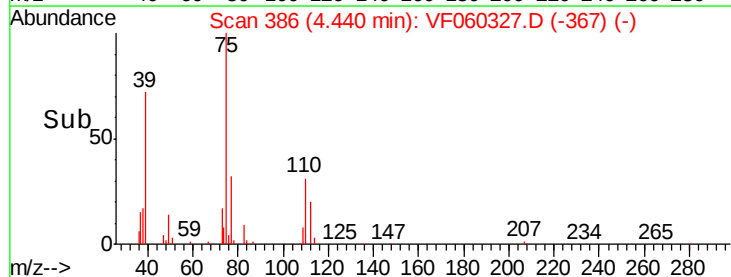
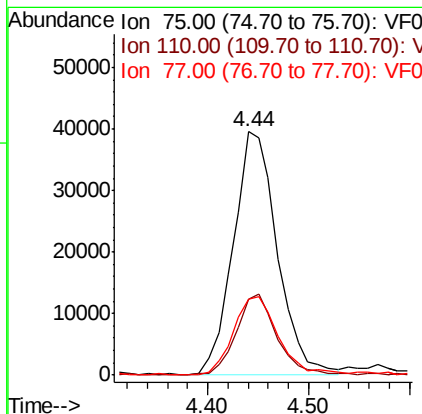
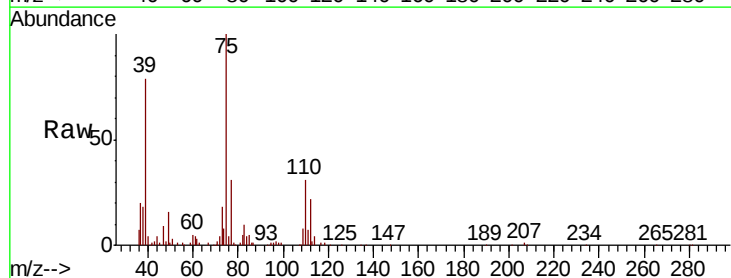
RT: 4.44 min Scan# 386

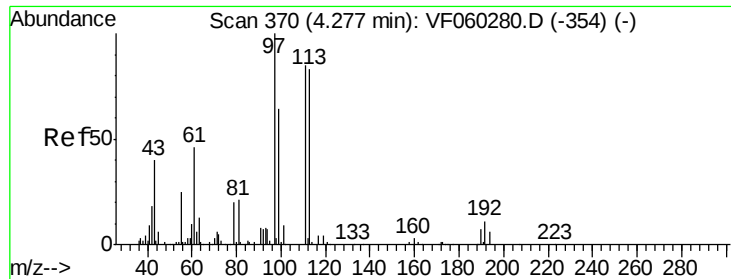
Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	75	Resp:	120245
Ion Ratio	Lower	Upper	
75	100		
110	31.4	16.4	49.2
77	31.4	27.3	40.9





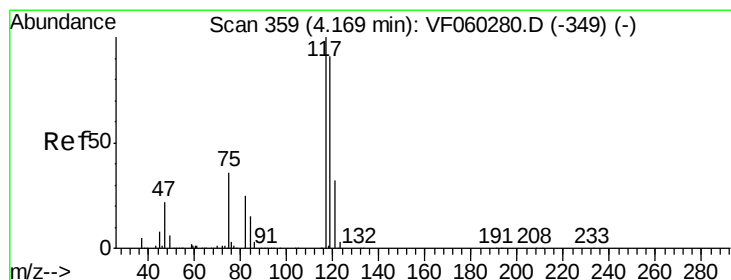
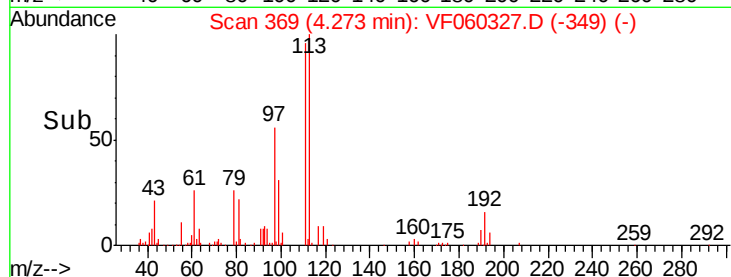
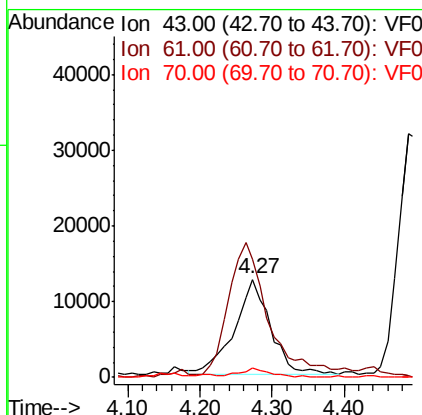
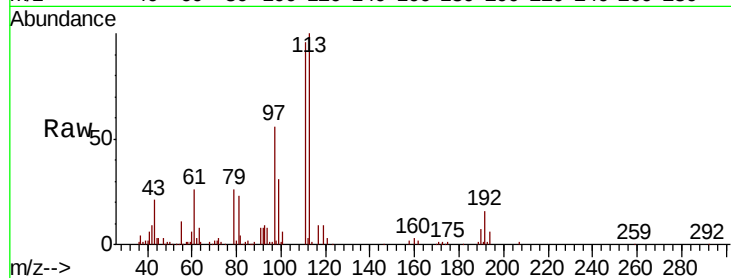
#37
Ethyl Acetate
Concen: 20.584 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	119.8	91.1	136.7			
70	9.3	6.9	10.3			

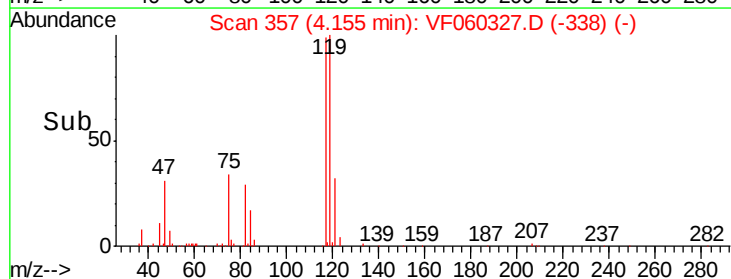
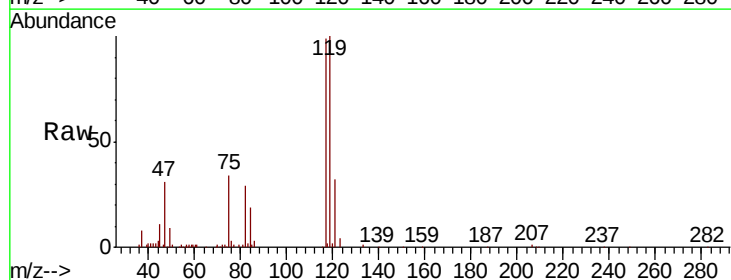
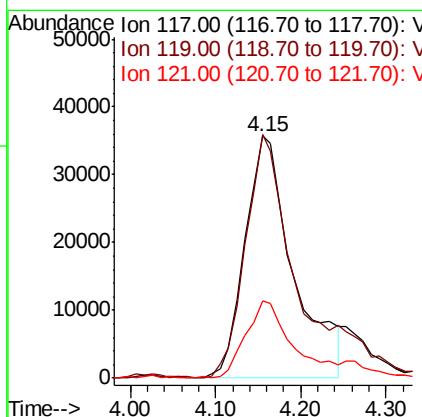
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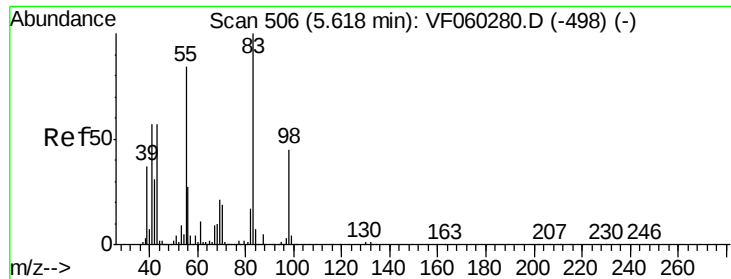
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#38
Carbon Tetrachloride
Concen: 25.648 ug/l m
RT: 4.15 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	100.5	73.0	109.6			
121	32.1	25.4	38.2			





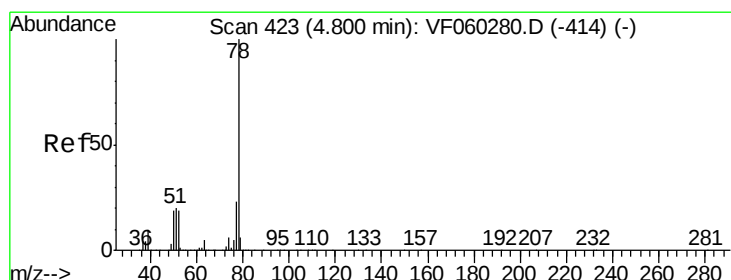
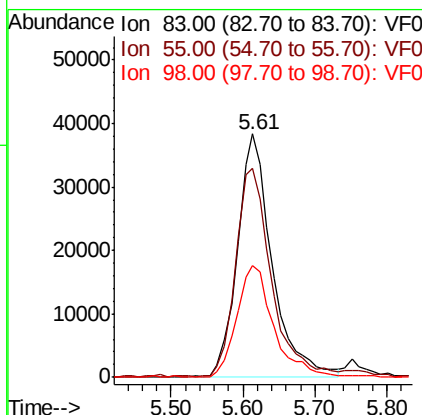
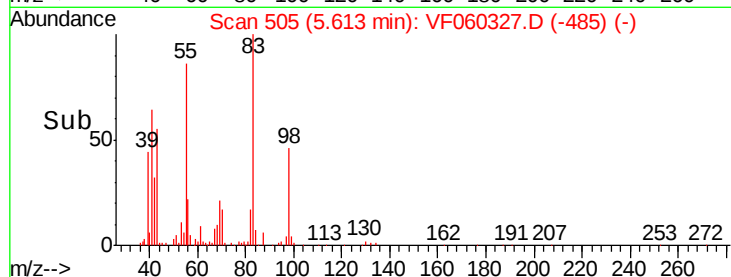
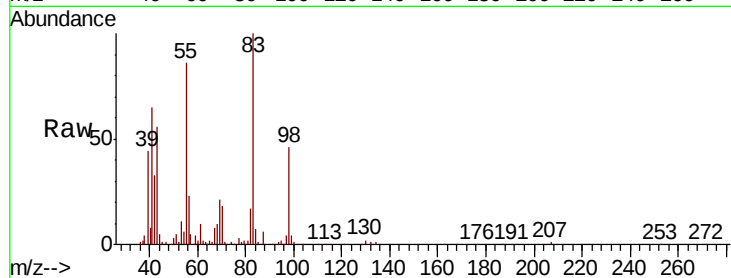
#39
Methvlcvclohexane
Concen: 23.270 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	67.3	100.9
98	46.1	36.1	54.1

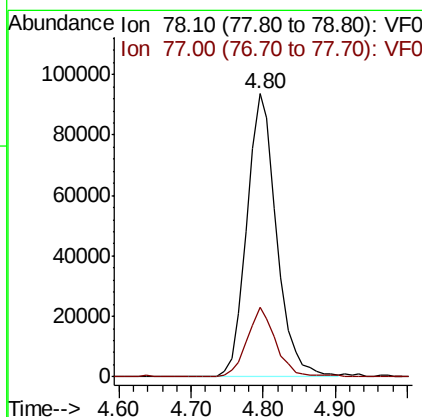
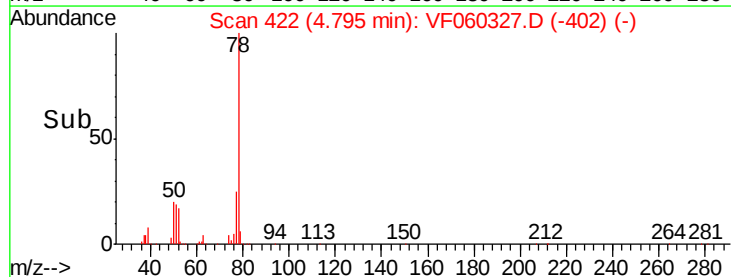
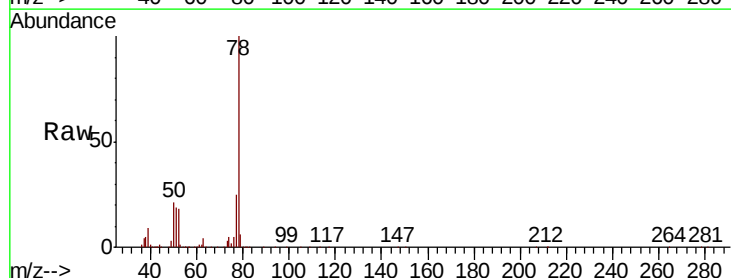
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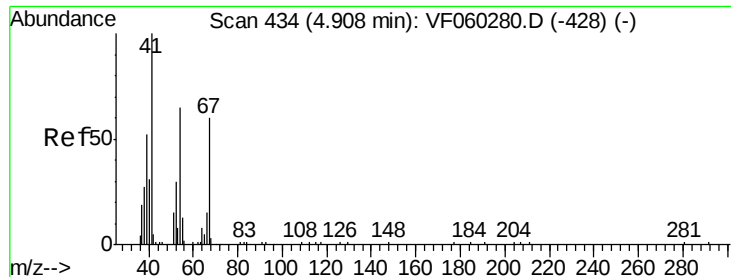
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#40
Benzene
Concen: 23.309 ug/l
RT: 4.80 min Scan# 422
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.4	27.6





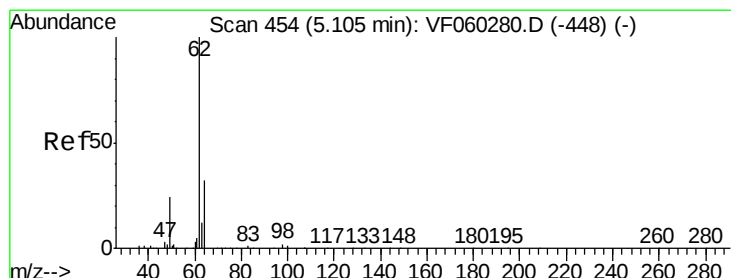
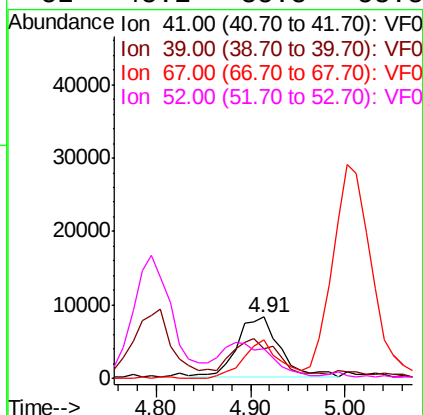
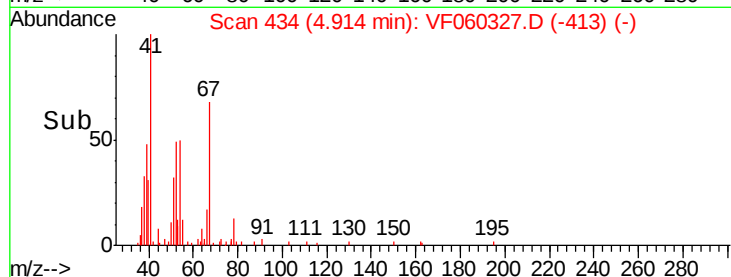
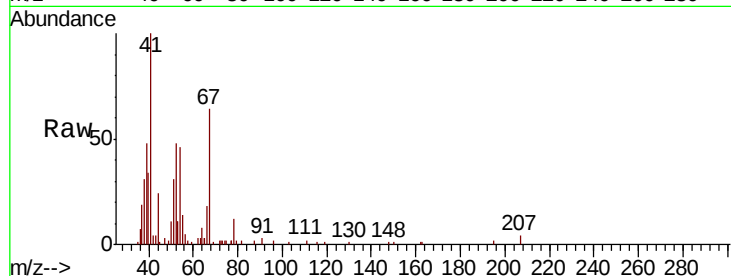
#41
Methacrylonitrile
Concen: 21.627 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.8	49.1	73.7#
67	63.8	48.2	72.4
52	48.1	35.8	53.8

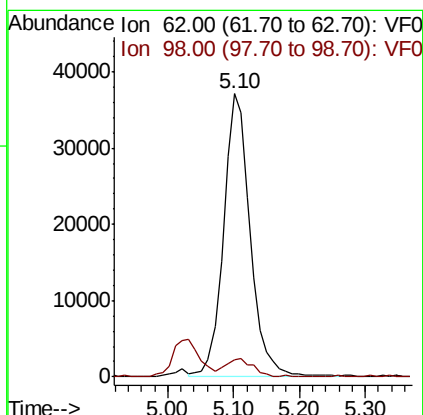
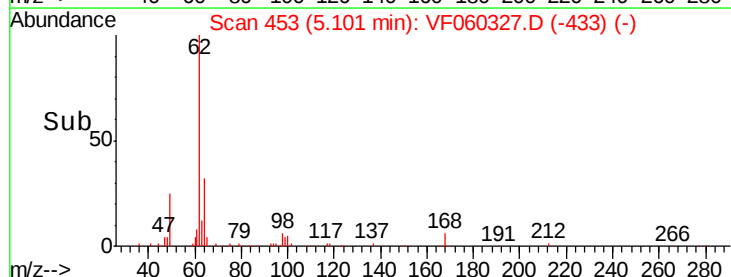
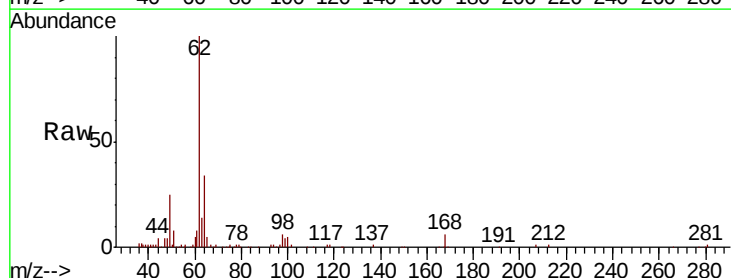
Manual Integrations
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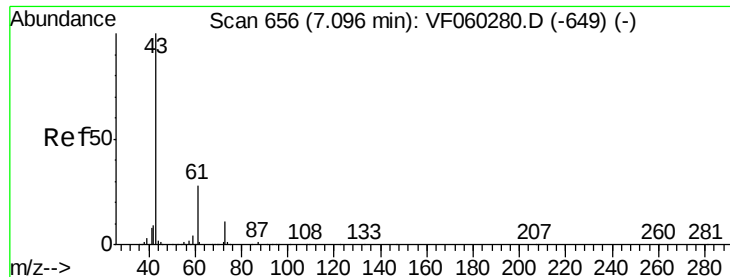
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#42
1,2-Dichloroethane
Concen: 24.693 ug/l
RT: 5.10 min Scan# 453
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	14.4





#43

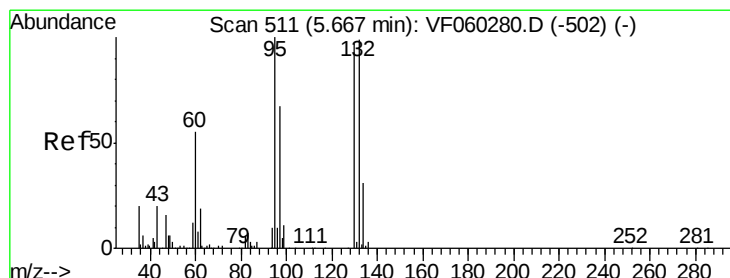
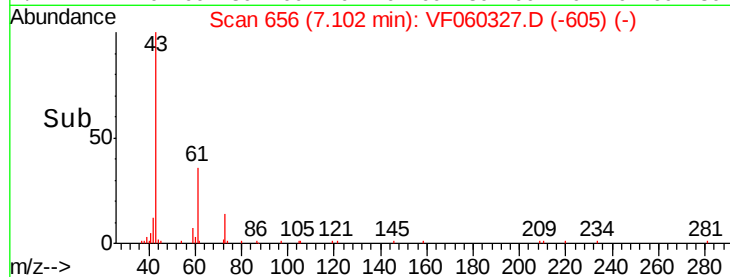
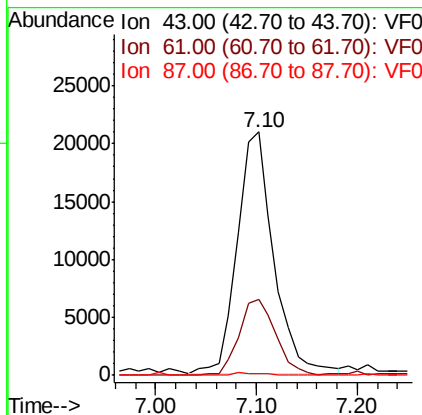
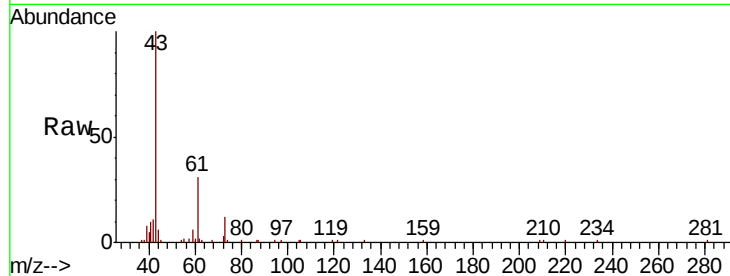
Isopropyl Acetate
 Concen: 19.992 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	22.4	33.6
87	0.9	0.6	0.8

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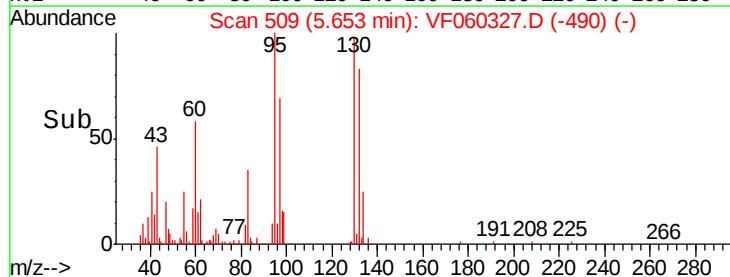
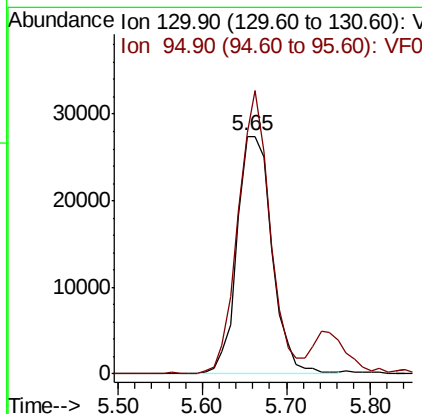
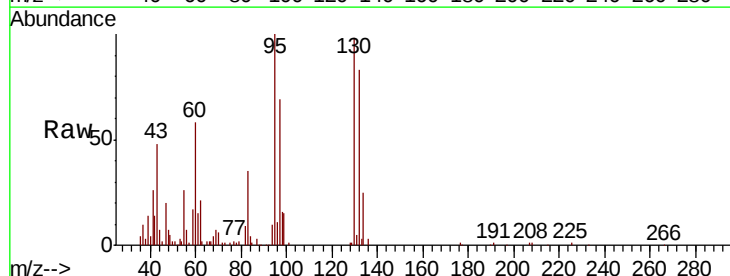
apatel
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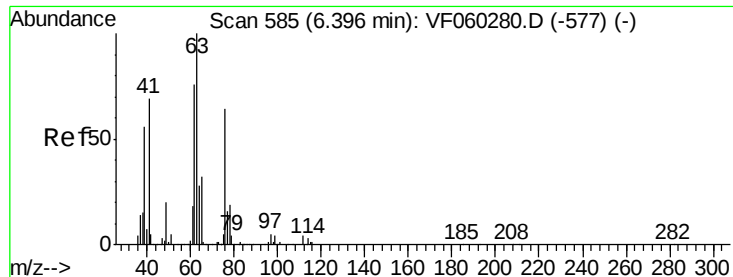


#44

Trichloroethene
 Concen: 23.173 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	205.6





#45

1,2-Dichloropropane

Concen: 22.436 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBSD01

Tot Ion: 63 Resp: 67205

Ion Ratio Lower Upper

63 100

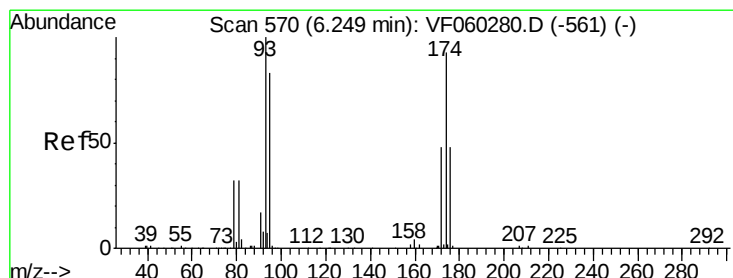
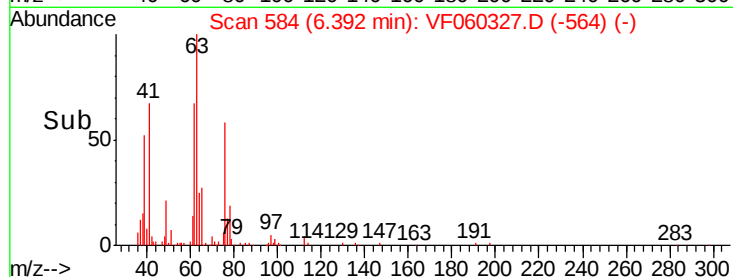
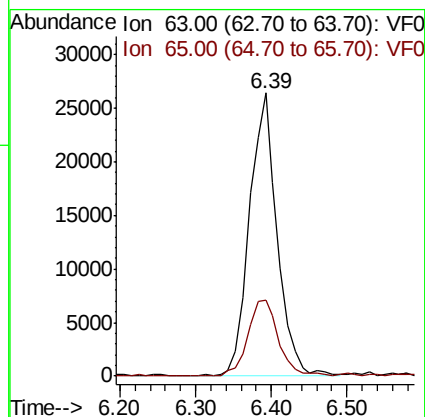
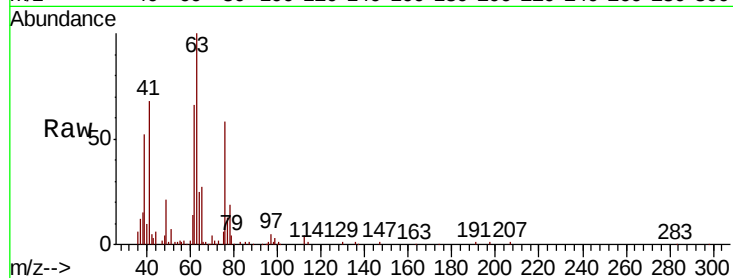
65 26.9 26.2 39.4

Manual Integrations

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#46

Dibromomethane

Concen: 22.787 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

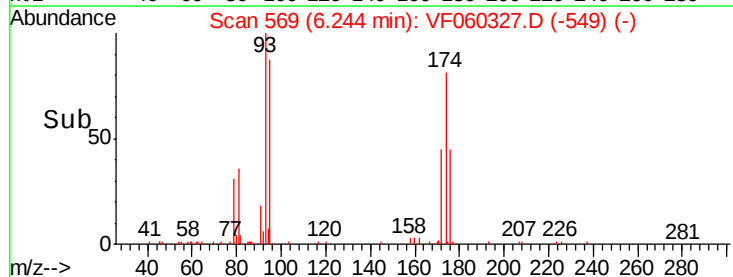
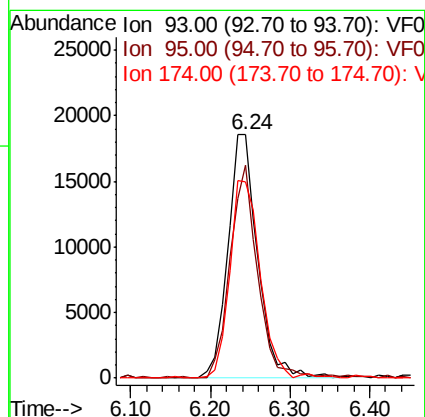
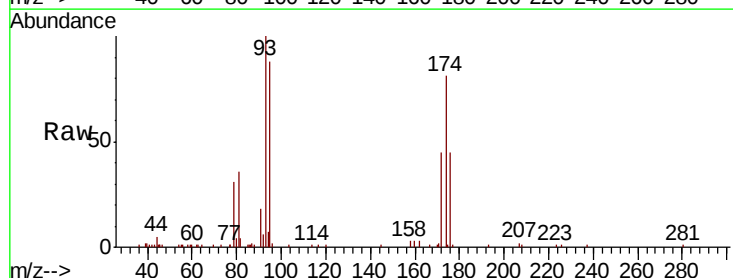
Tgt Ion: 93 Resp: 48790

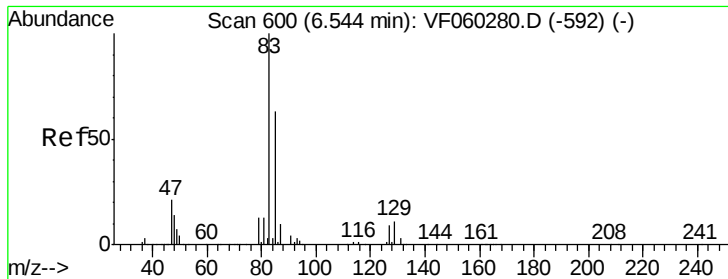
Ion Ratio Lower Upper

93 100

95 87.7 67.0 100.6

174 80.5 74.8 112.2





#47

Bromodichloromethane

Concen: 23.348 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

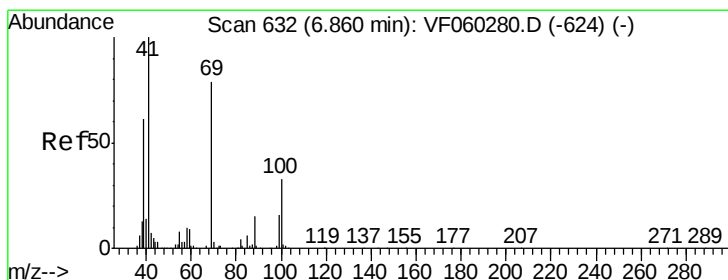
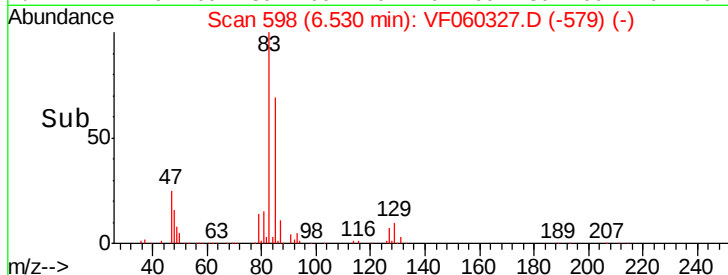
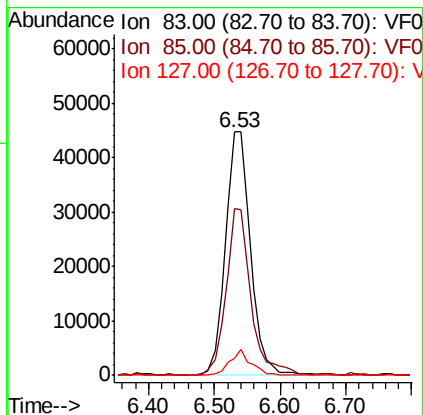
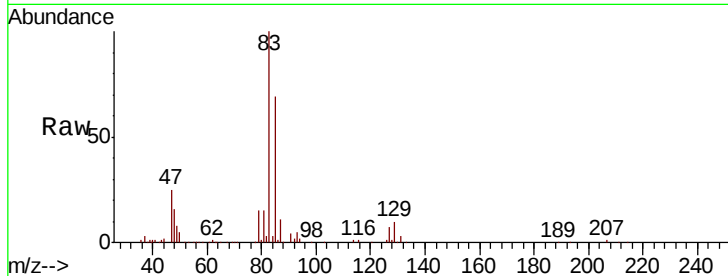
ClientSampleId :

VF0925SBSD01

Tot Ion:	83	Resp:	120139
Ion	Ratio	Lower	Upper
83	100		
85	68.7	50.6	76.0
127	7.6	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.684 ug/l

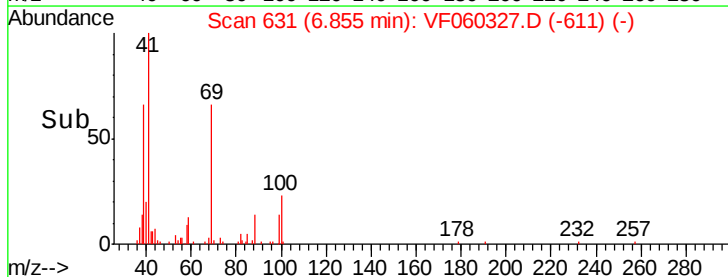
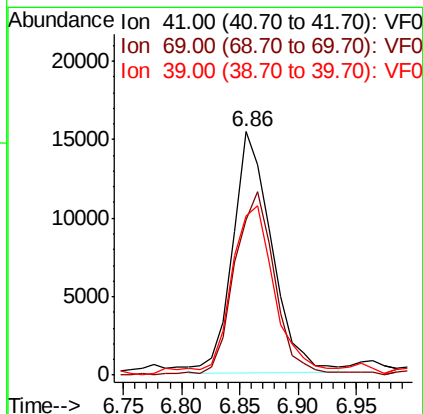
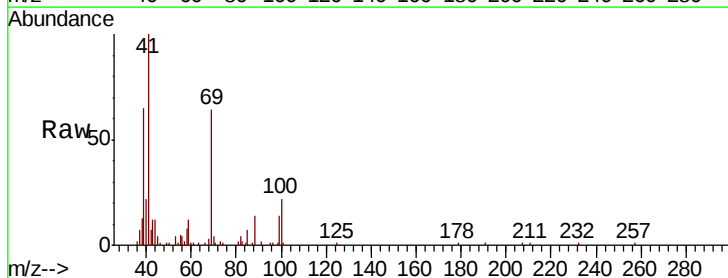
RT: 6.86 min Scan# 631

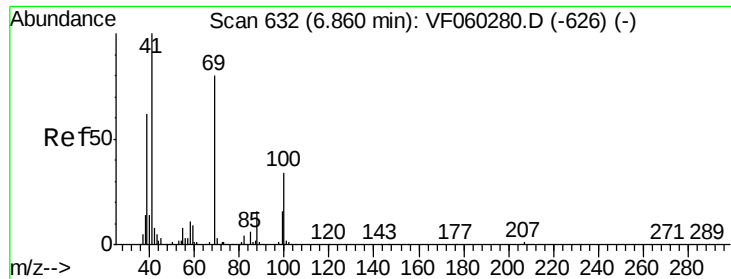
Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	41	Resp:	35927
Ion	Ratio	Lower	Upper
41	100		
69	64.0	62.6	94.0
39	65.5	49.1	73.7





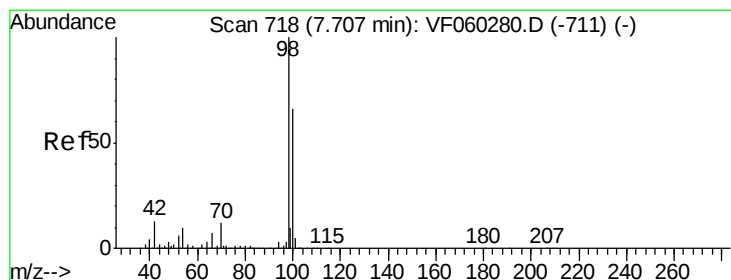
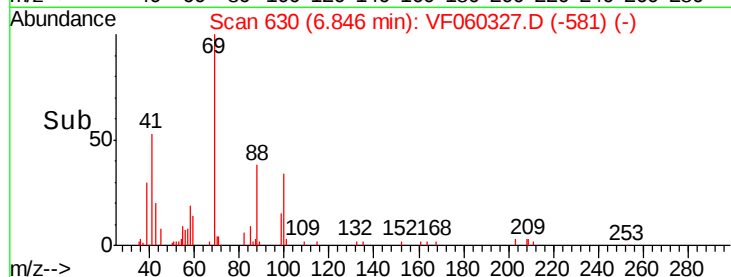
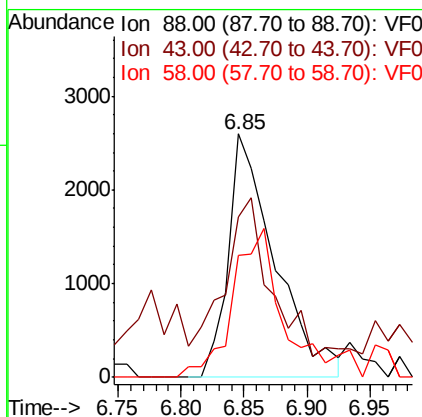
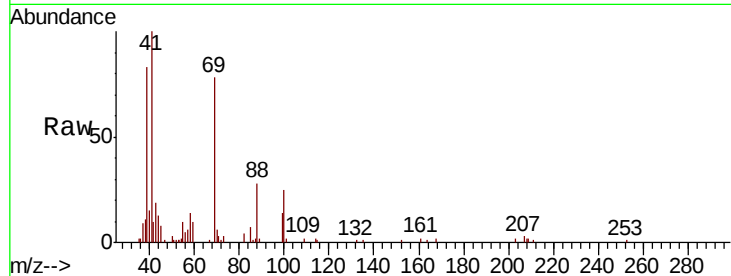
#49
1,4-Dioxane
Concen: 407.756 ug/l
RT: 6.85 min Scan# 630
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6649		
43	65.9		40.2	60.4#
58	49.9		56.7	85.1#

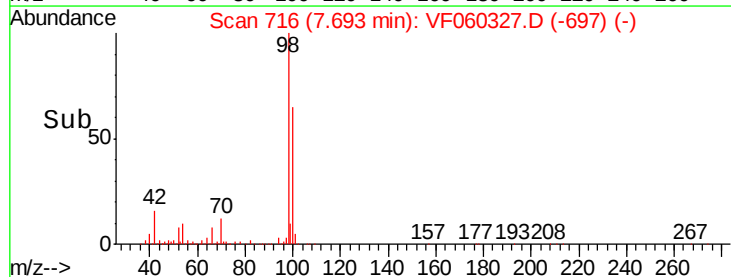
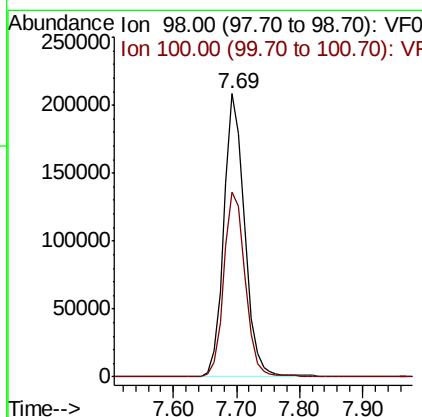
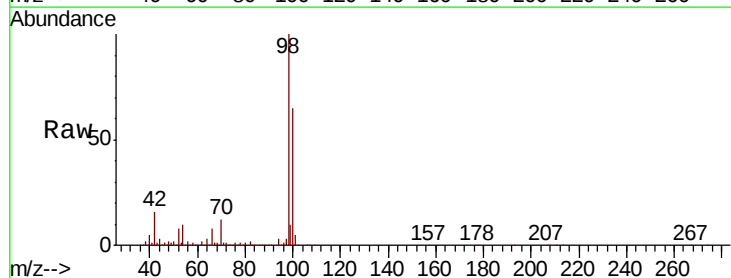
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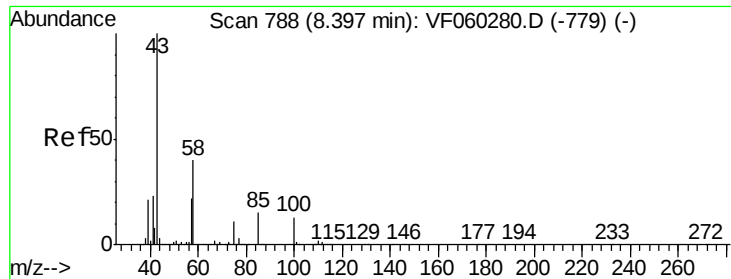
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#50
Toluene-d8
Concen: 50.484 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	479589		
100	65.2		53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 106.741 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 43 Resp: 213910

Ion Ratio Lower Upper

43 100

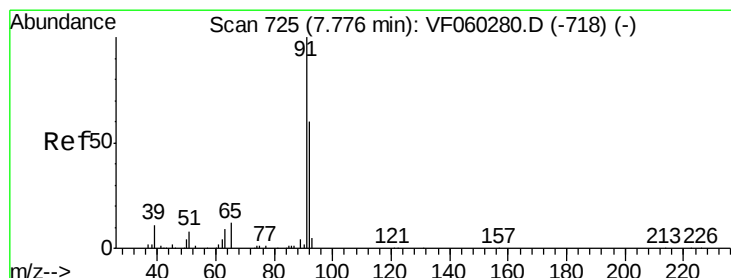
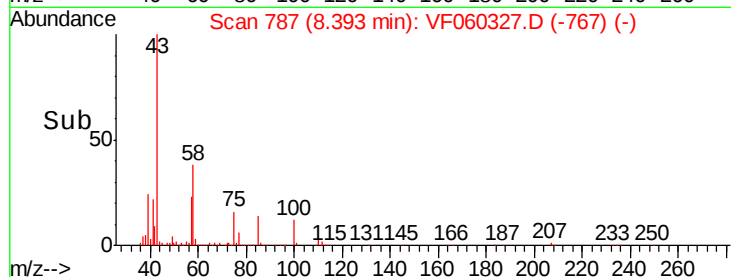
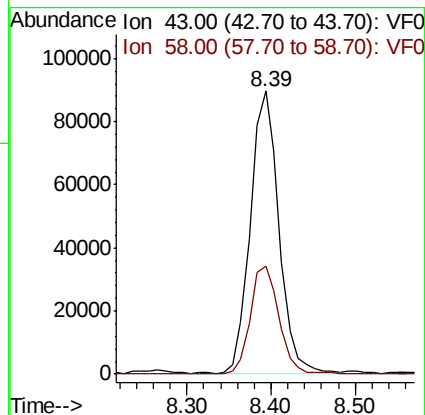
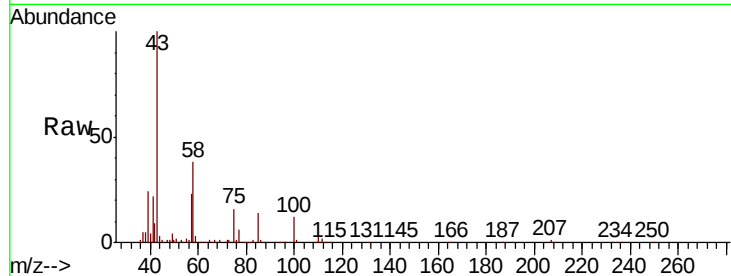
58 38.4 31.8 47.8

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#52

Toluene

Concen: 22.004 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060327.D

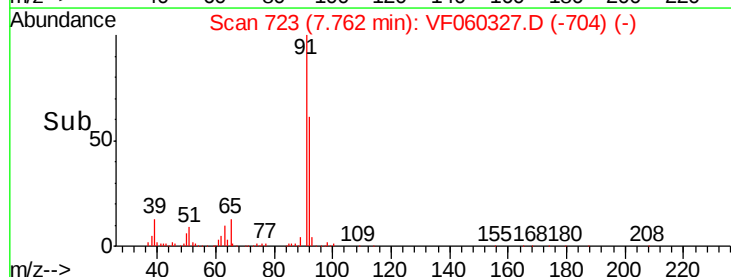
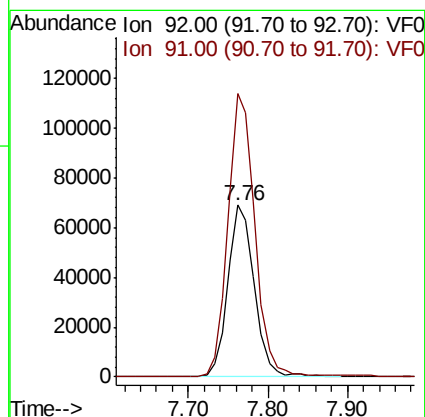
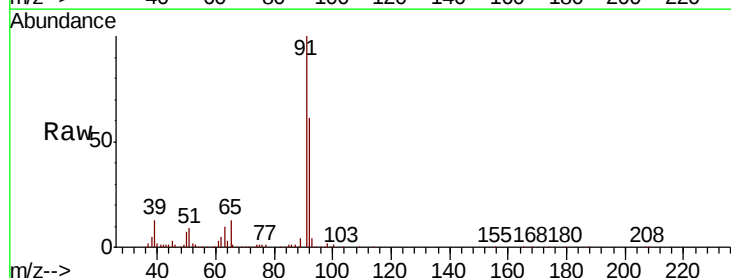
Acq: 25 Sep 2018 16:21

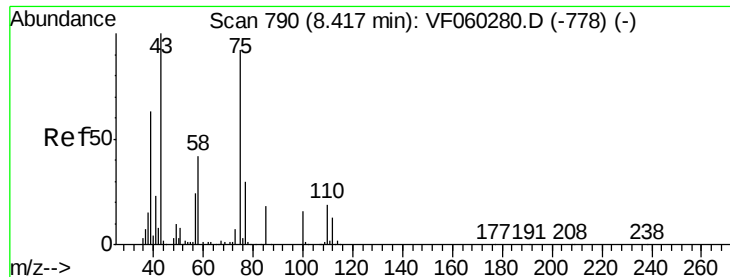
Tgt Ion: 92 Resp: 161114

Ion Ratio Lower Upper

92 100

91 164.6 133.3 199.9





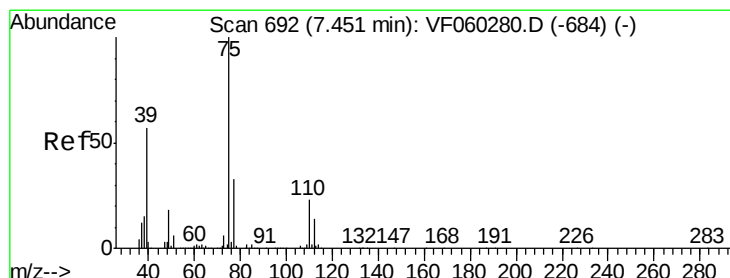
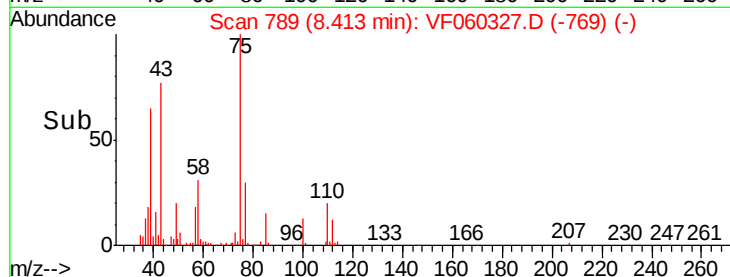
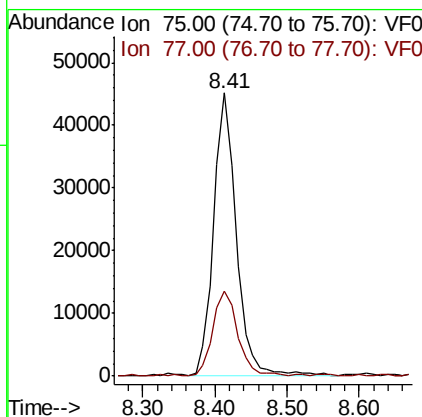
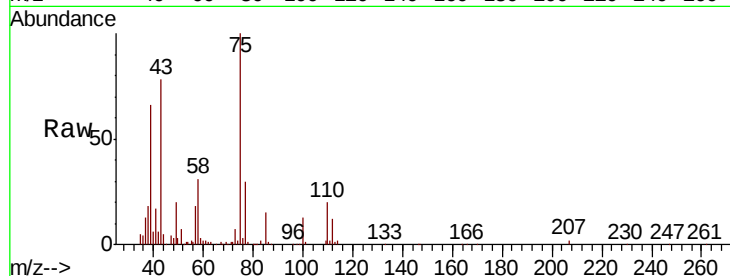
#53
t-1,3-Dichloropropene
Concen: 23.726 ug/l
RT: 8.41 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.9	38.9

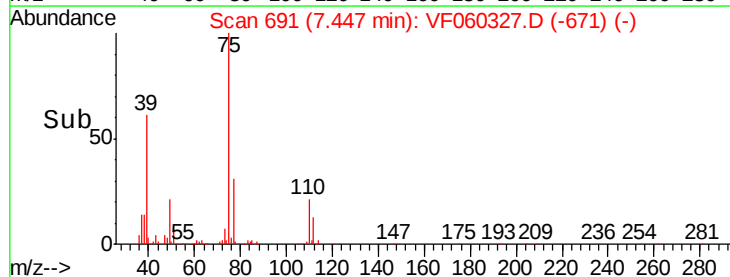
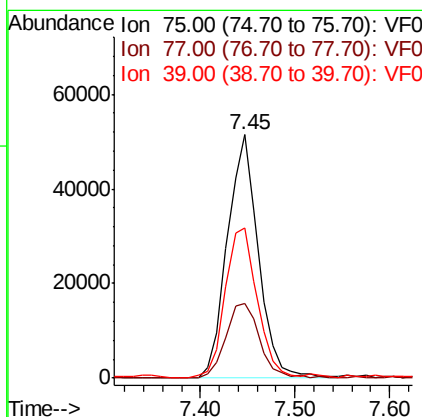
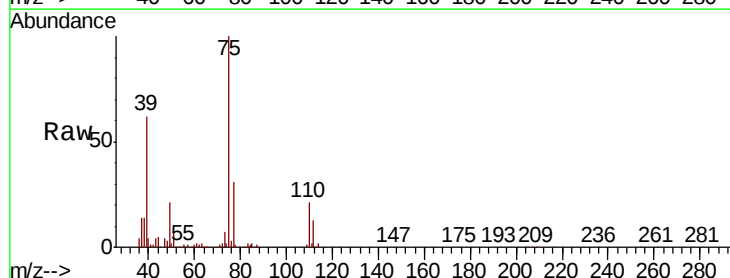
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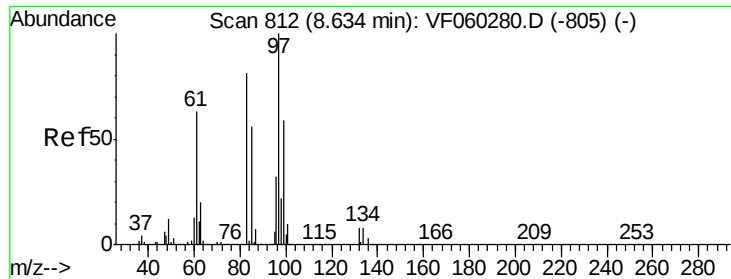
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#54
cis-1,3-Dichloropropene
Concen: 22.418 ug/l
RT: 7.45 min Scan# 691
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.3	39.5
39	61.9	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 21.293 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

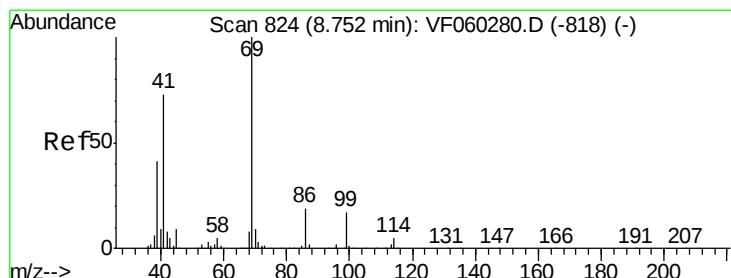
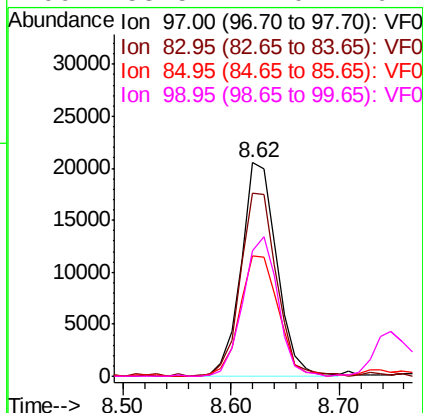
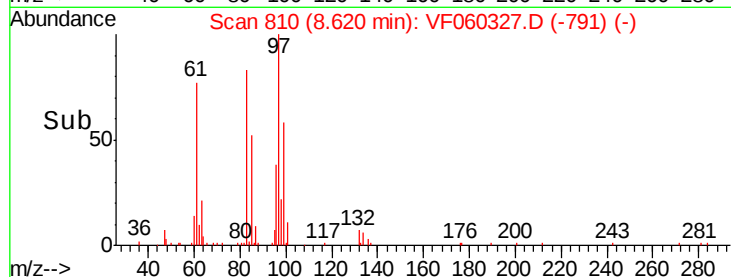
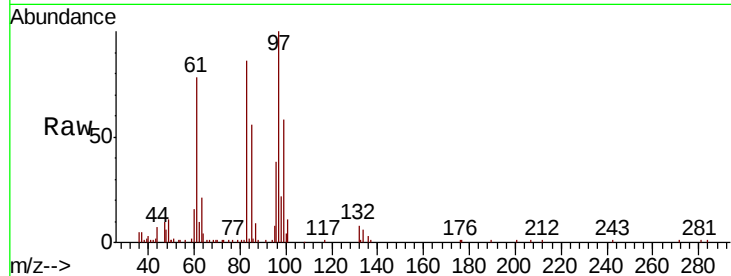
ClientSampleId :

VF0925SBSD01

Tot Ion:	97	Resp:	47320
Ion	Ratio	Lower	Upper
97	100		
83	85.6	65.3	97.9
85	56.4	44.7	67.1
99	58.5	47.0	70.4

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#56

Ethyl methacrylate

Concen: 20.740 ug/l

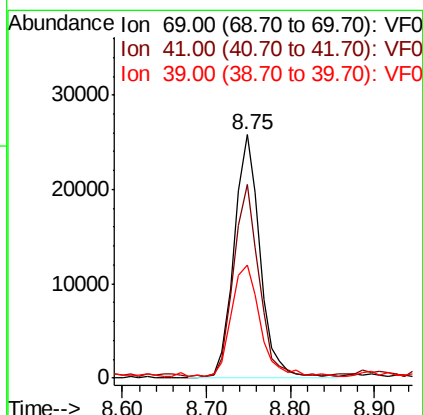
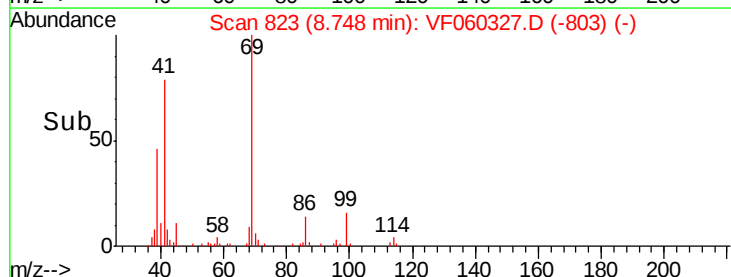
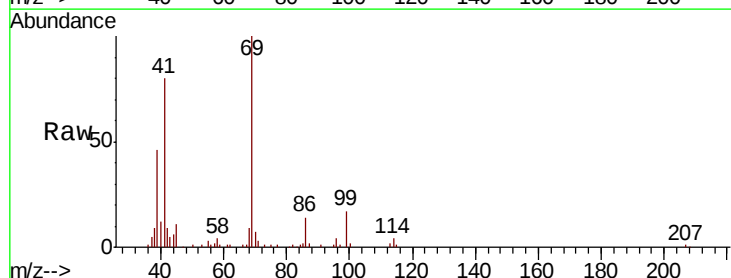
RT: 8.75 min Scan# 823

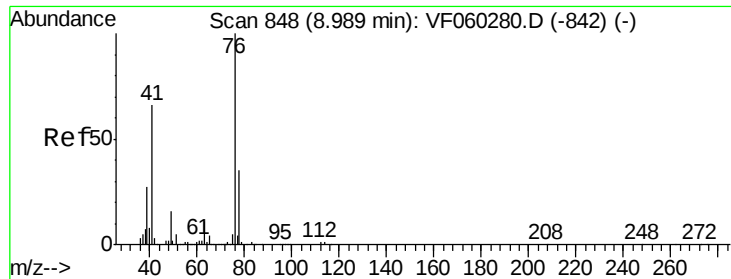
Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	69	Resp:	55665
Ion	Ratio	Lower	Upper
69	100		
41	79.6	59.4	89.2
39	46.5	33.5	50.3





#57

1,3-Dichloropropane

Concen: 22.362 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 76 Resp: 82284

Ion Ratio Lower Upper

76 100

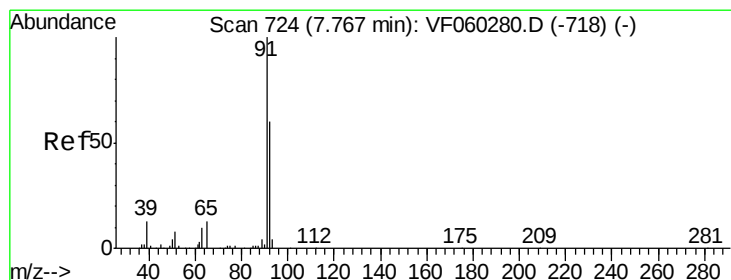
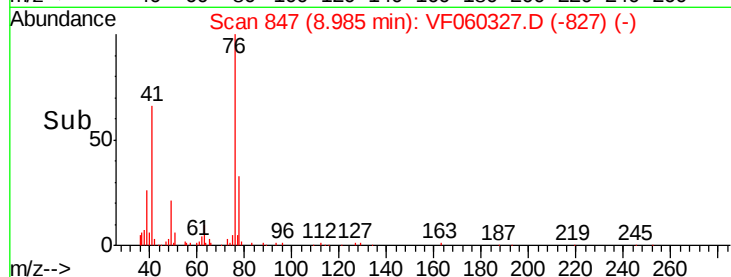
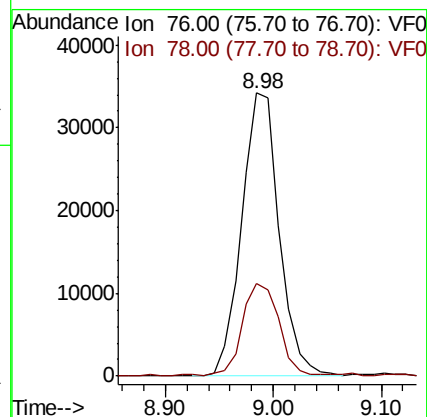
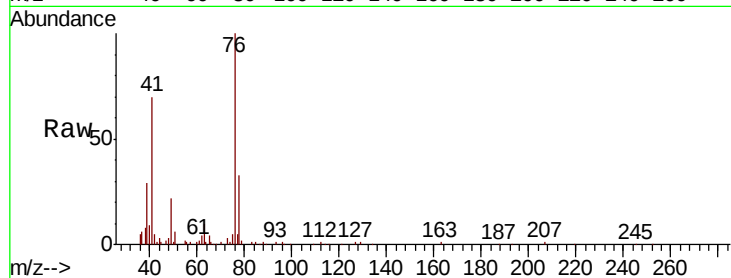
78 32.7 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 123.331 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.00 min

Lab File: VF060327.D

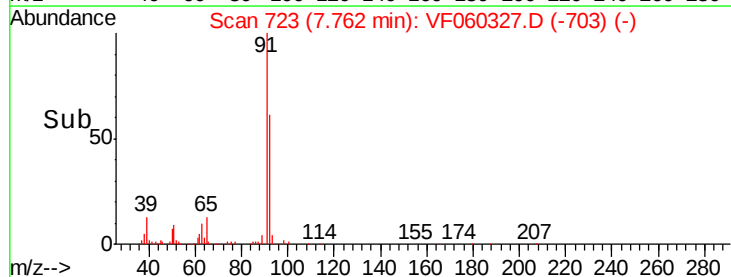
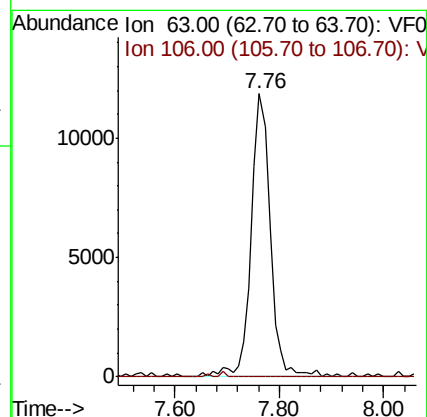
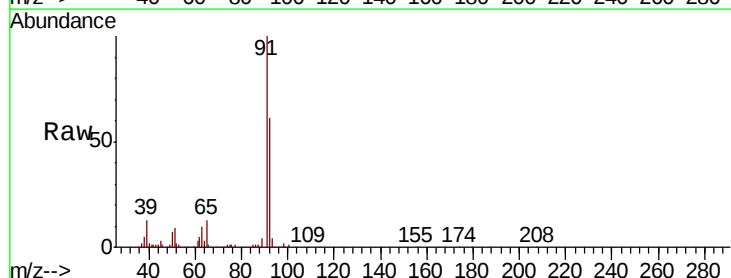
Acq: 25 Sep 2018 16:21

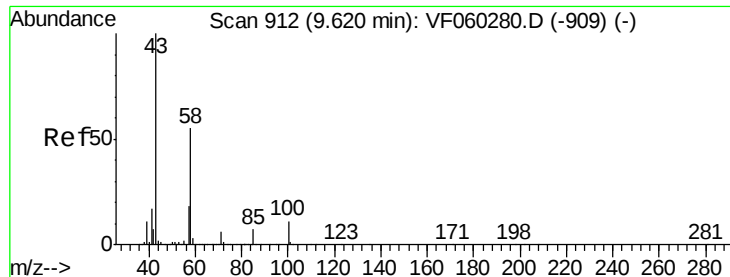
Tgt Ion: 63 Resp: 29263

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





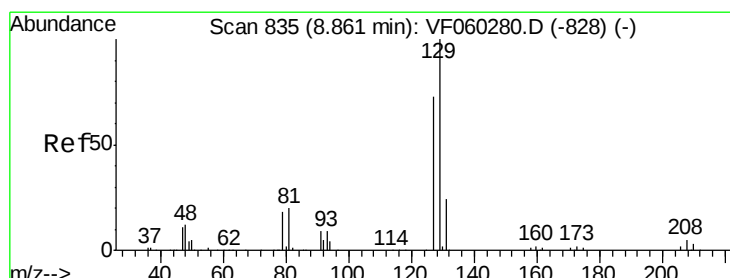
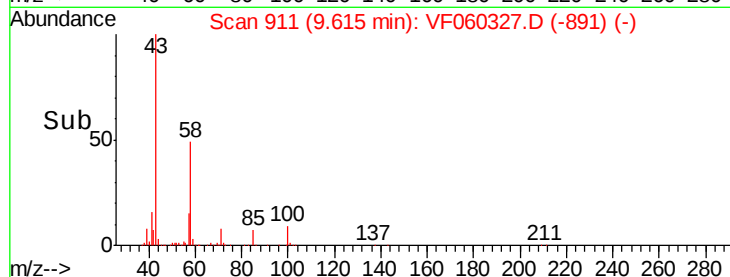
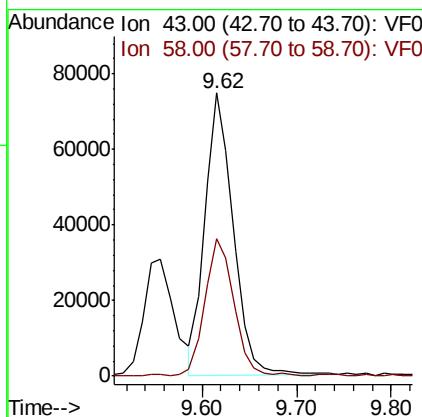
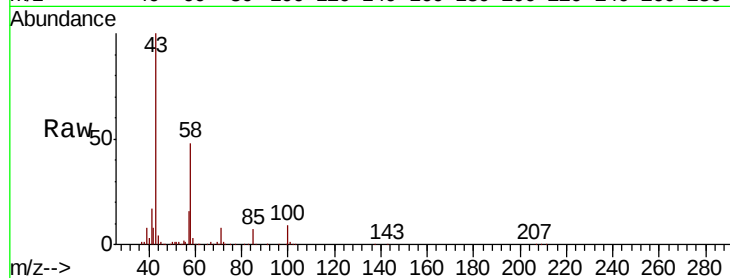
#59
 2-Hexanone
 Concen: 109.371 ug/l
 RT: 9.62 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	25.9	77.6

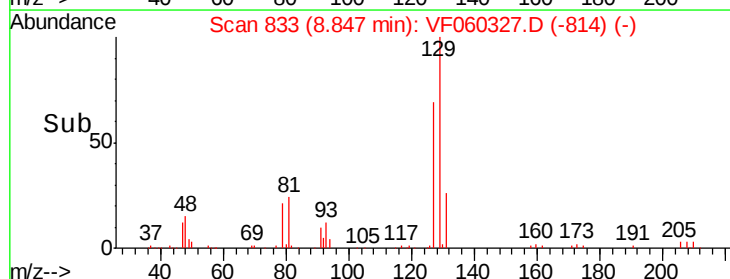
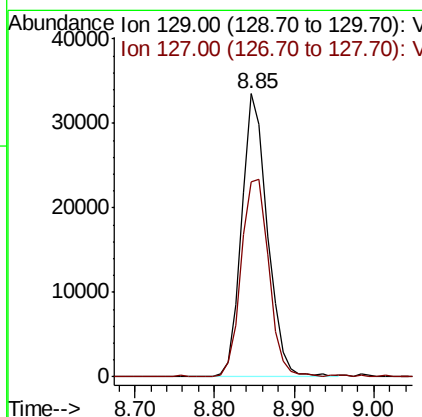
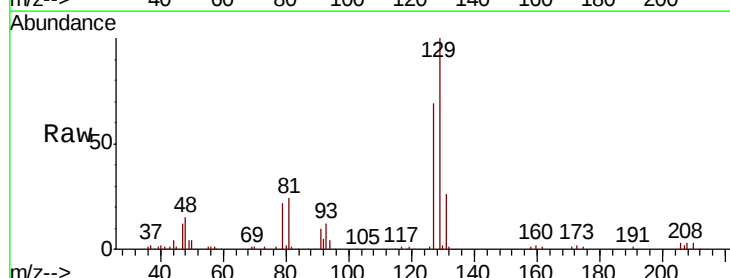
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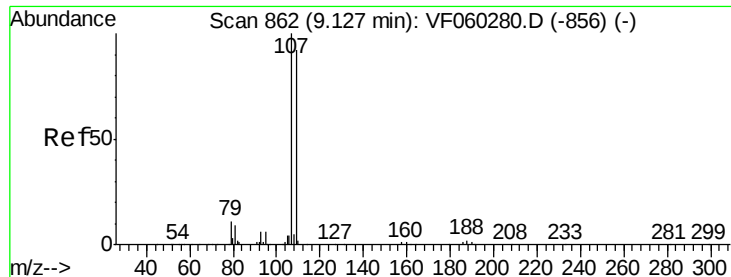
apatel
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#60
 Dibromochloromethane
 Concen: 22.642 ug/l
 RT: 8.85 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	68.9	36.6	109.8





#61

1,2-Dibromoethane

Concen: 21.875 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion:107 Resp: 54135

Ion Ratio Lower Upper

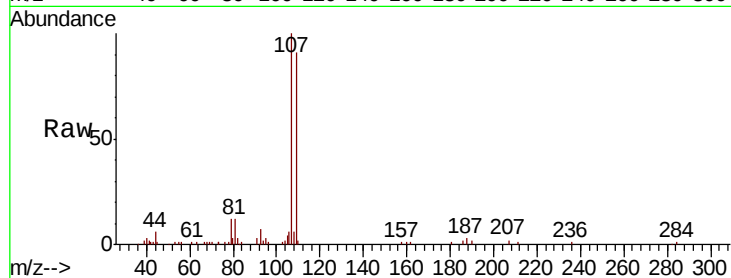
107 100

109 90.7 73.2 109.8

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

25000

20000

15000

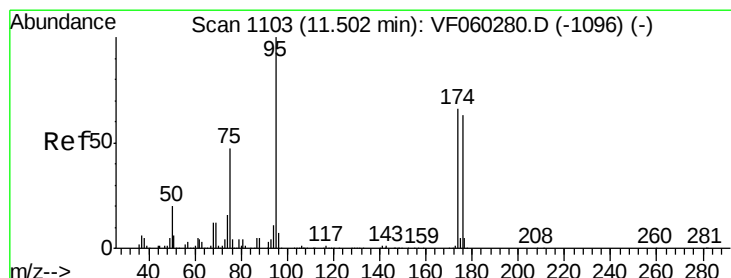
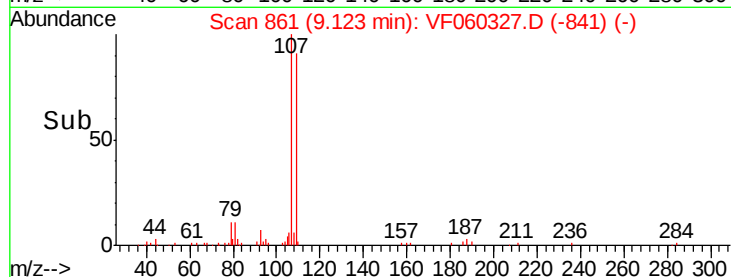
10000

5000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 50.112 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

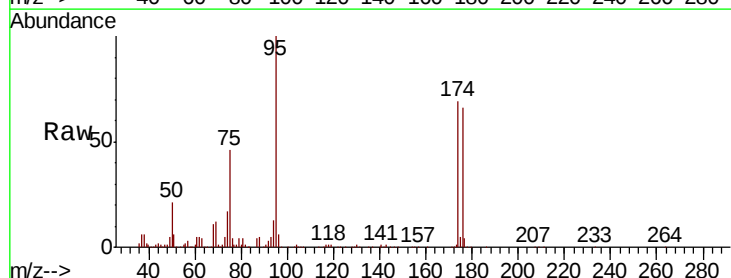
Tgt Ion: 95 Resp: 205782

Ion Ratio Lower Upper

95 100

174 69.0 0.0 131.2

176 66.2 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

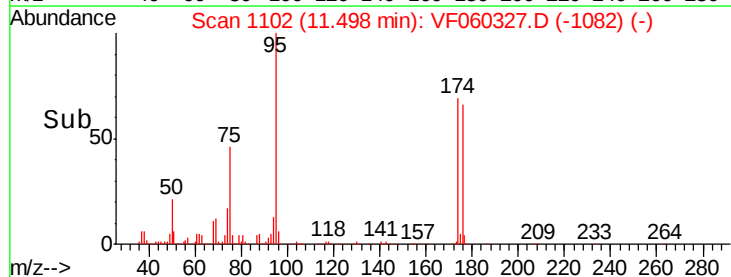
100000

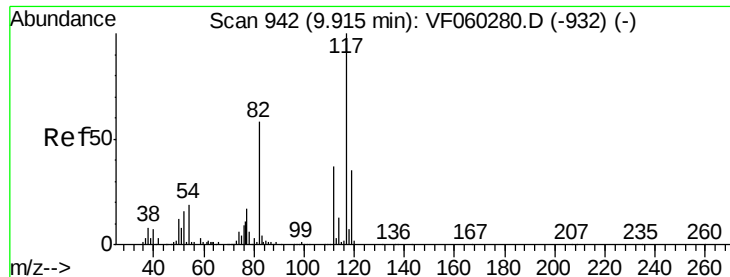
50000

0

11.40 11.50 11.60 11.70

Time-->





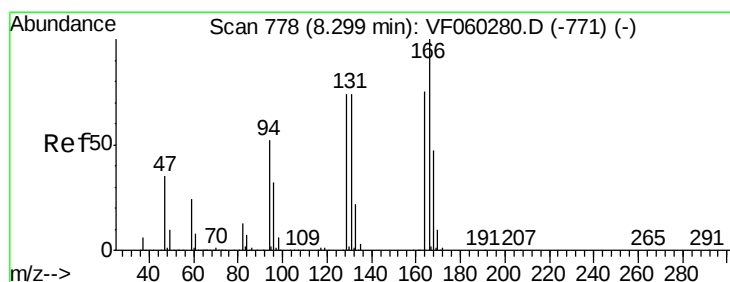
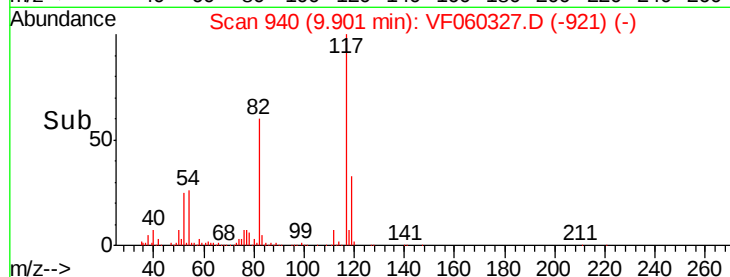
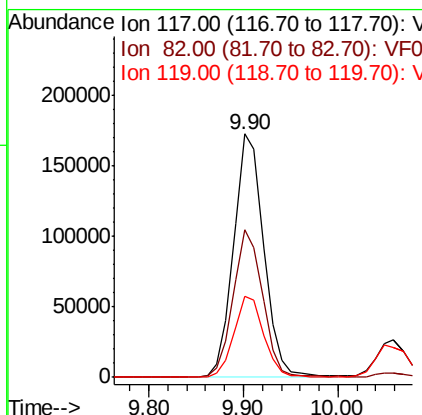
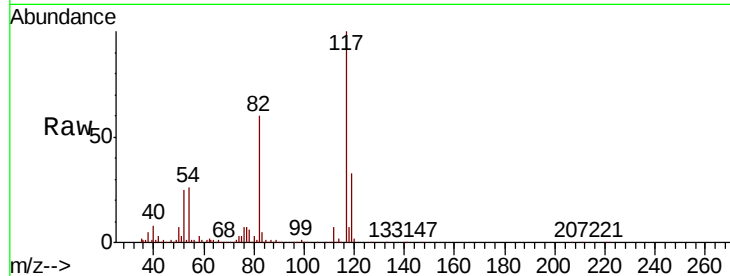
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	381609		
82	60.4		46.2	69.2
119	33.2		27.8	41.6

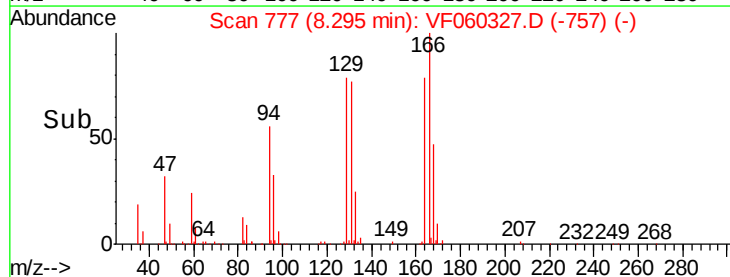
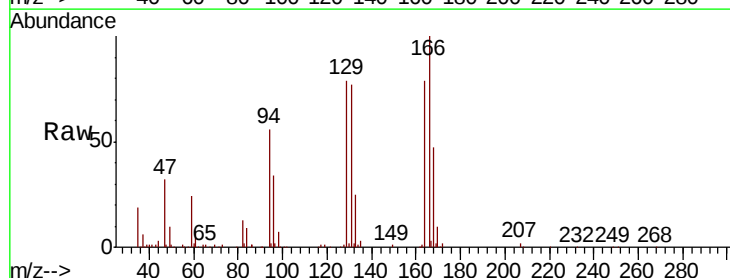
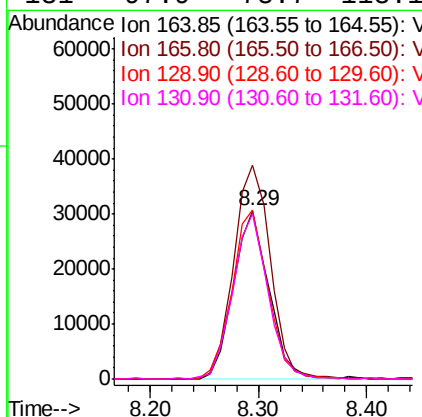
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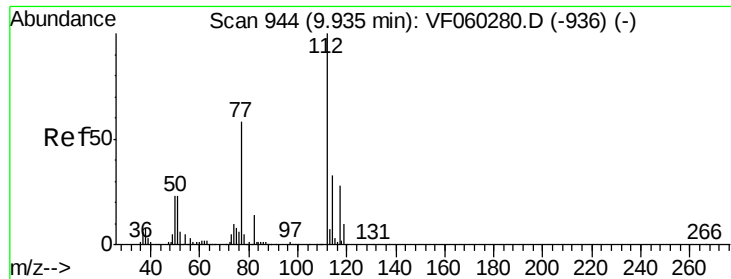
apatel
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#64
Tetrachloroethene
Concen: 20.139 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69668		
166	127.0		106.8	160.2
129	100.6		78.8	118.2
131	97.9		78.7	118.1





#65

Chlorobenzene

Concen: 21.720 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion:112 Resp: 187857

Ion Ratio Lower Upper

112 100

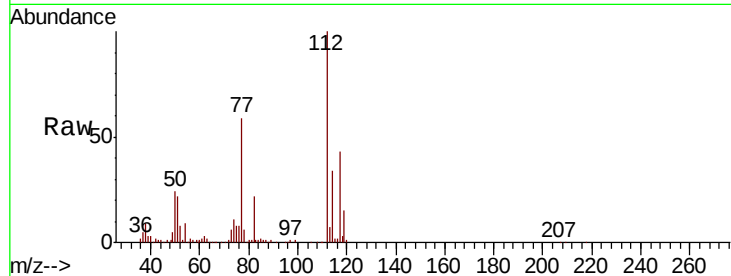
114 34.5 26.6 40.0

Manual Integrations

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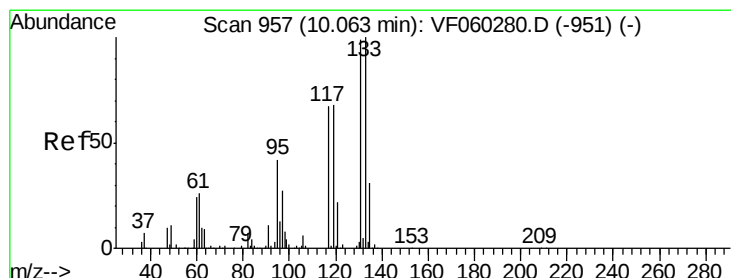
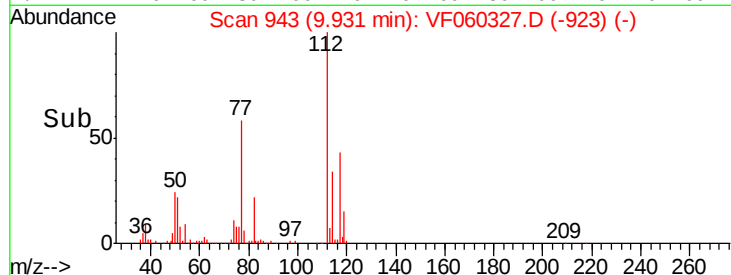
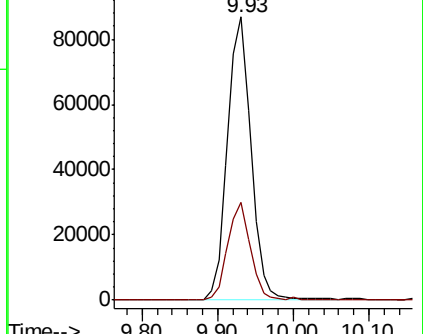
apatel

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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: 22.686 ug/l

RT: 10.06 min Scan# 956

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

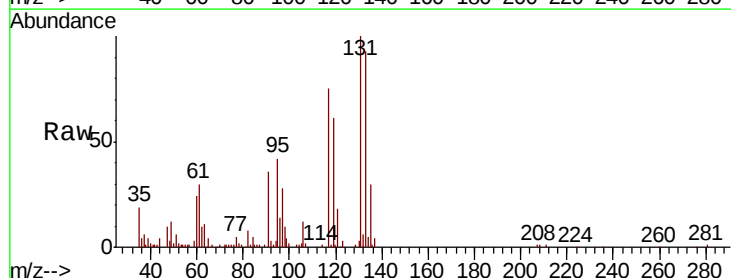
Tgt Ion:131 Resp: 81425

Ion Ratio Lower Upper

131 100

133 93.5 50.4 151.2

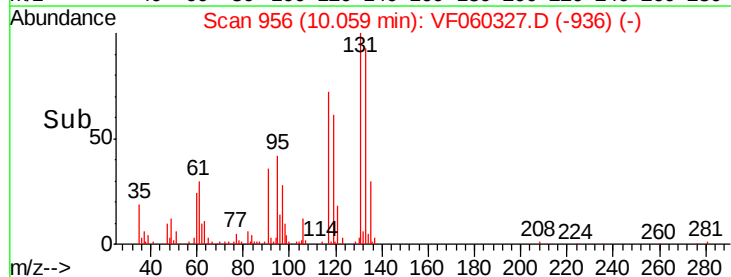
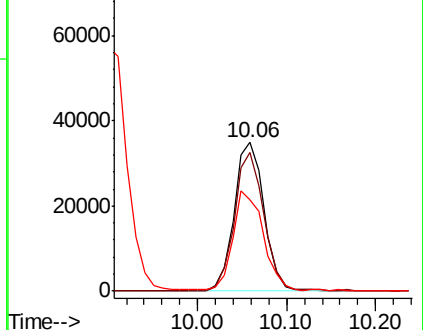
119 61.3 34.8 104.3

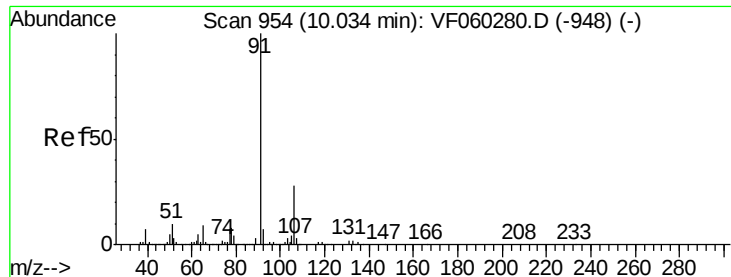


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.304 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 91 Resp: 356667

Ion Ratio Lower Upper

91 100

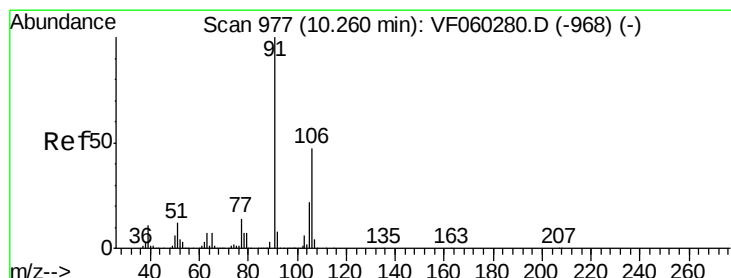
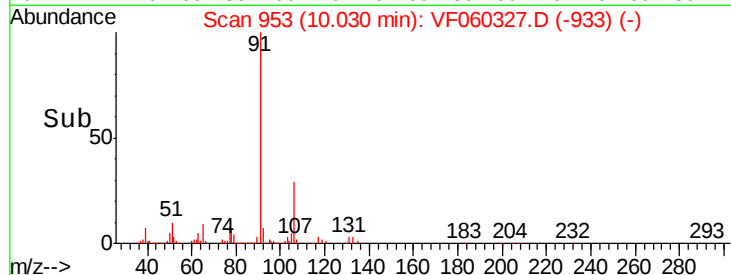
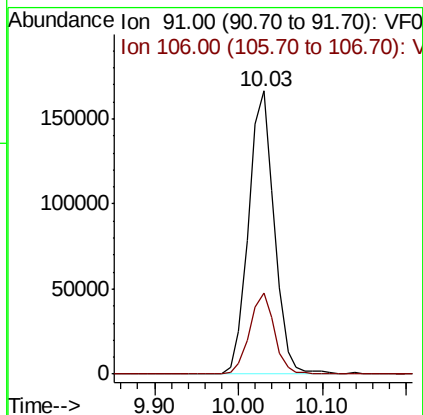
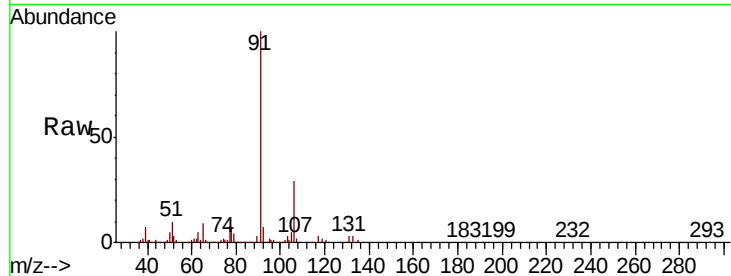
106 28.8 22.7 34.1

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#68

m/p-Xylenes

Concen: 43.719 ug/l

RT: 10.26 min Scan# 976

Delta R.T. -0.00 min

Lab File: VF060327.D

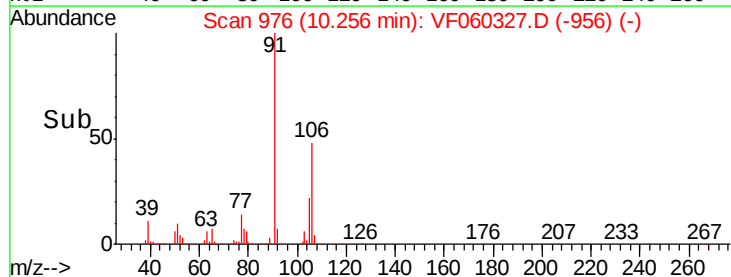
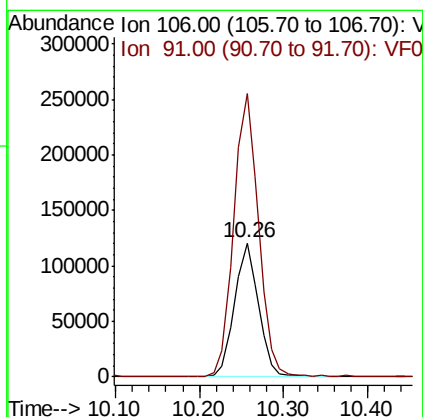
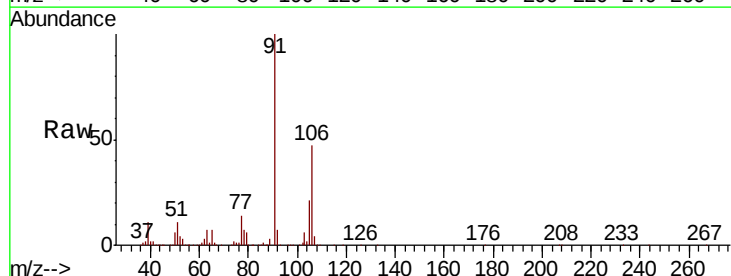
Acq: 25 Sep 2018 16:21

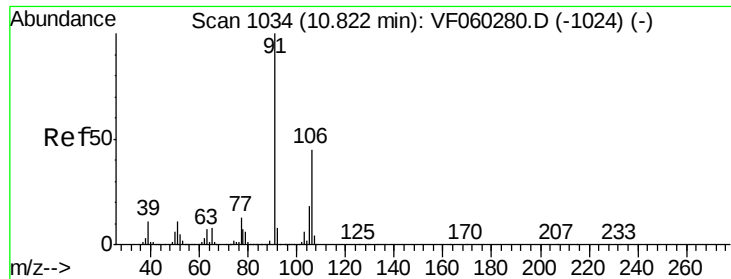
Tgt Ion: 106 Resp: 241541

Ion Ratio Lower Upper

106 100

91 210.8 172.3 258.5





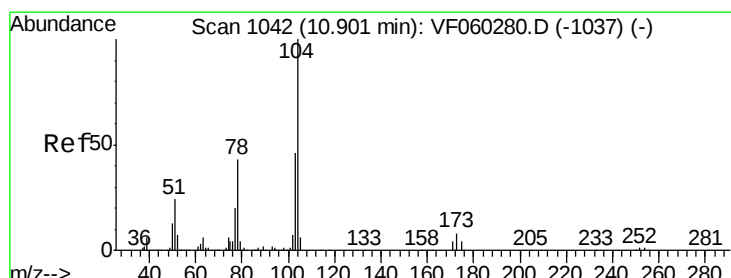
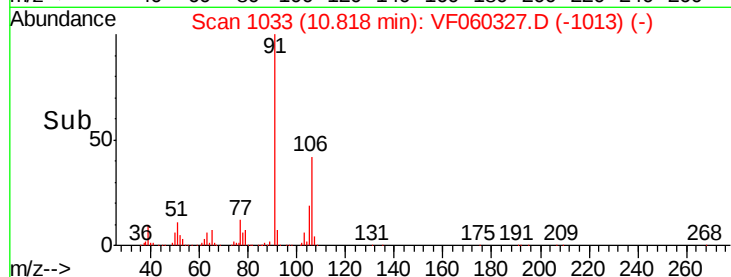
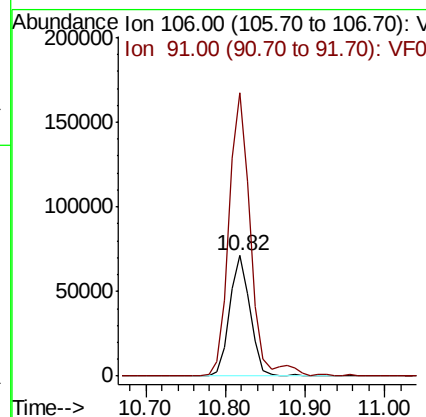
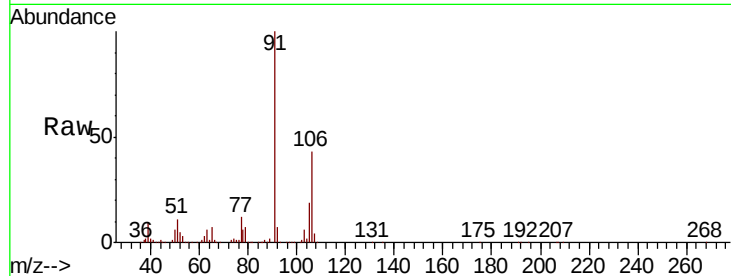
#69
o-Xylene
Concen: 21.060 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	130508		
91	91	235.1	110.9	332.6	

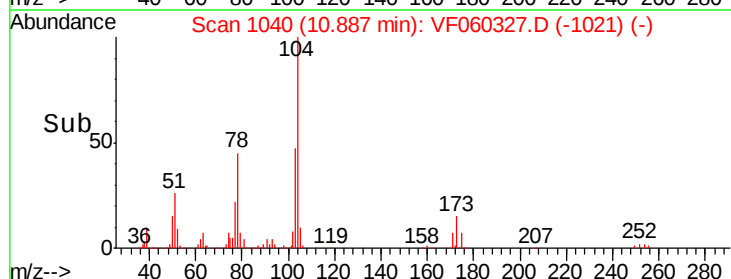
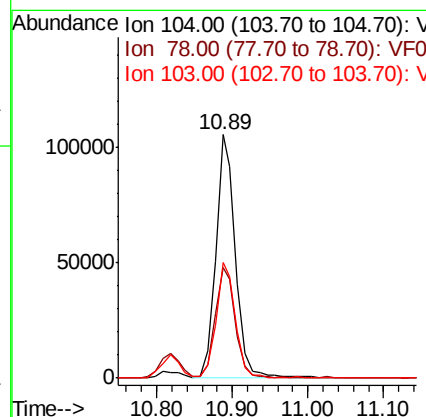
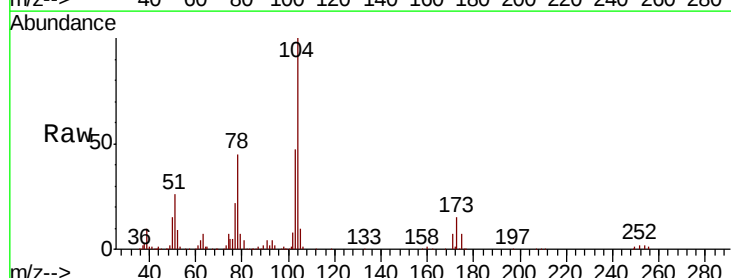
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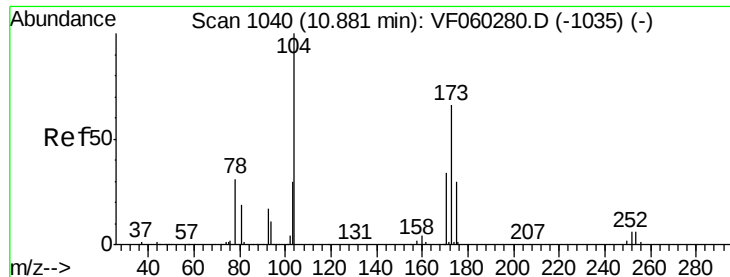
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#70
Styrene
Concen: 21.780 ug/l
RT: 10.89 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	190343		
78	78	45.3	35.0	52.6	
103	103	47.2	37.4	56.0	





#71

Bromoform

Concen: 20.745 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

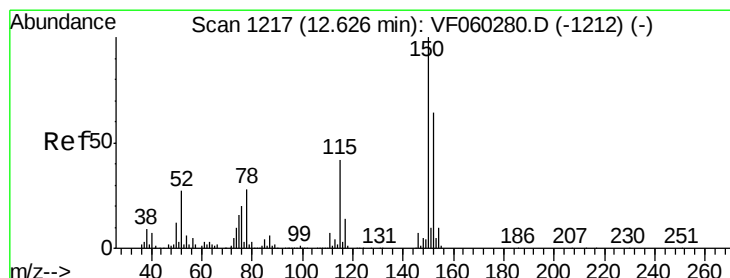
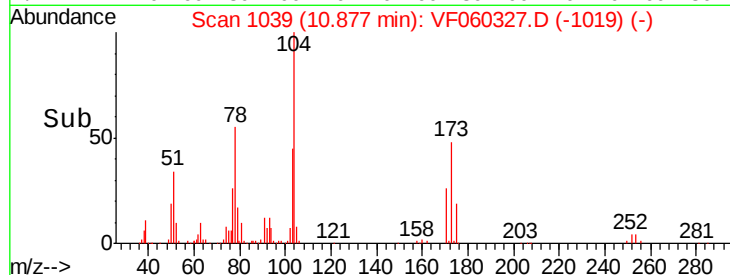
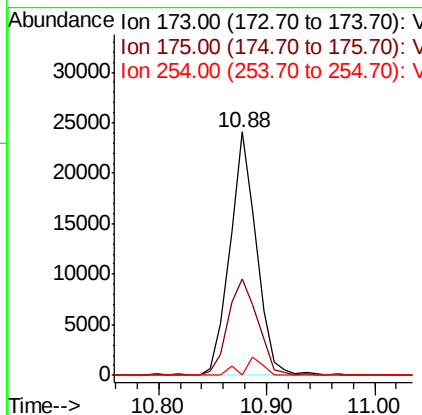
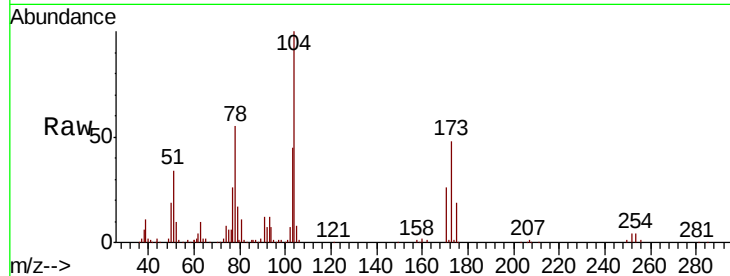
ClientSampleId :

VF0925SBSD01

Tot Ion:	173	Resp:	40894
Ion Ratio	Lower	Upper	
173	100		
175	38.8	22.3	66.9
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

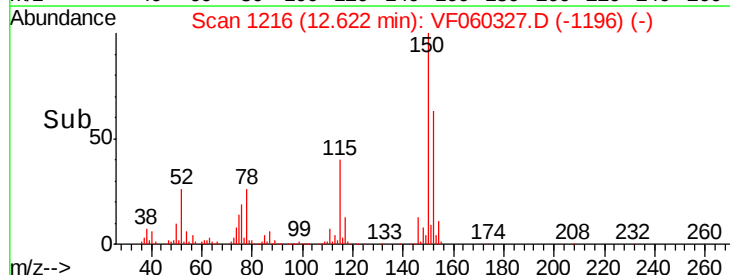
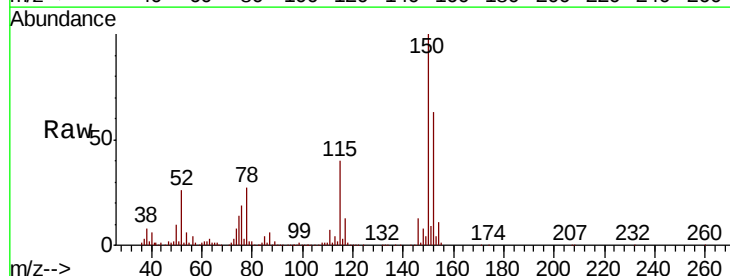
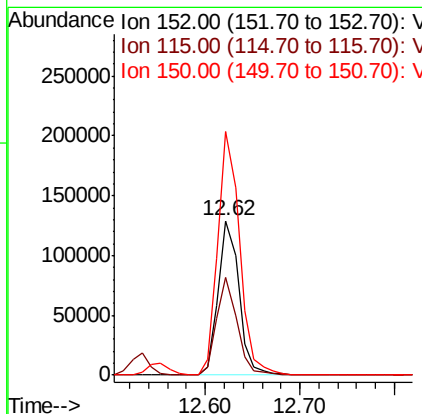
RT: 12.62 min Scan# 1216

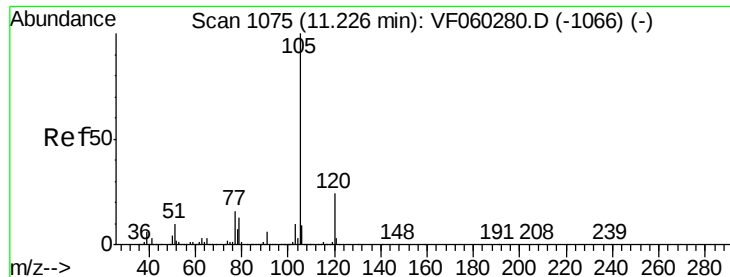
Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	152	Resp:	198292
Ion Ratio	Lower	Upper	
152	100		
115	63.6	32.6	97.8
150	157.7	0.0	314.2





#73

Isopropylbenzene

Concen: 21.995 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 105 Resp: 391533

Ion Ratio Lower Upper

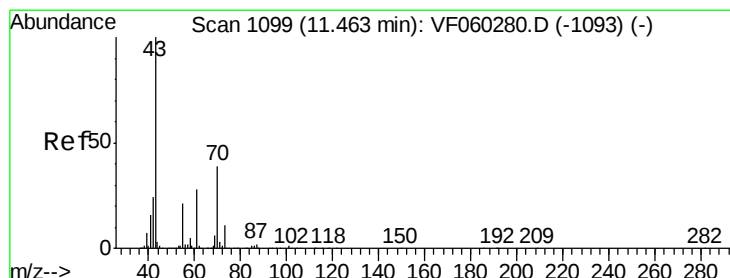
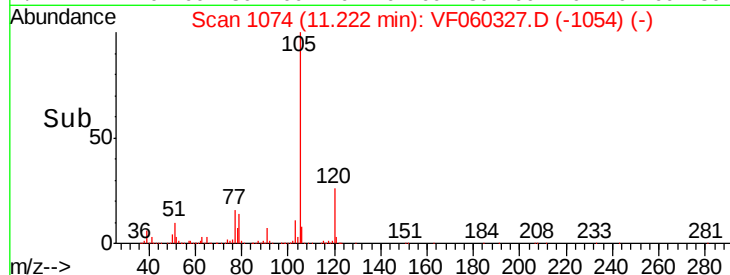
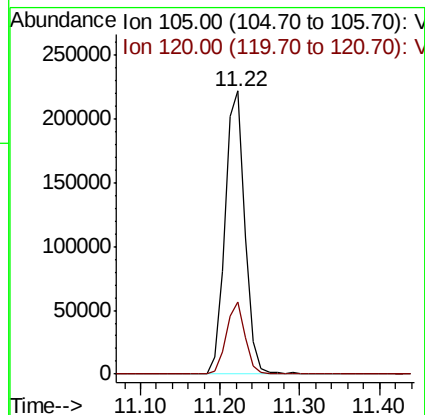
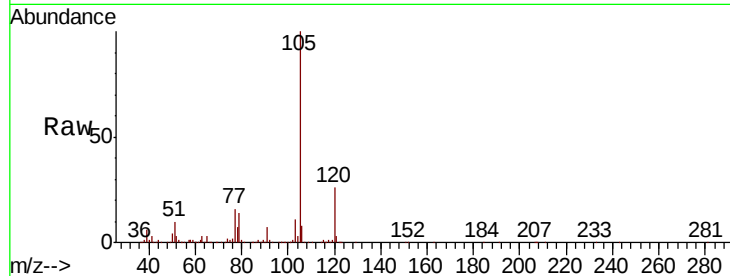
105 100

120 25.6 12.2 36.6

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#74

N-ethyl acetate

Concen: 23.721 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion: 43 Resp: 90047

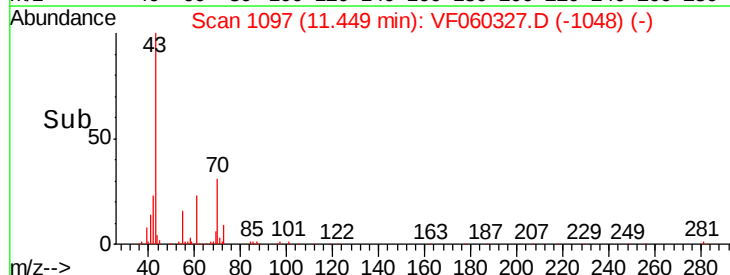
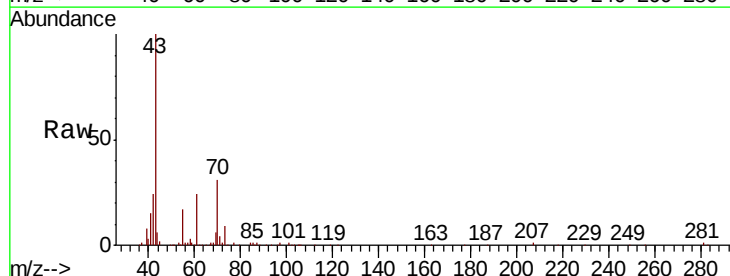
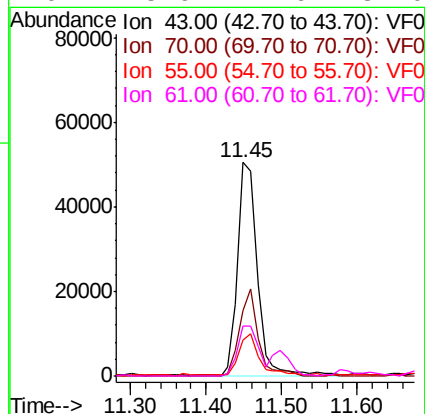
Ion Ratio Lower Upper

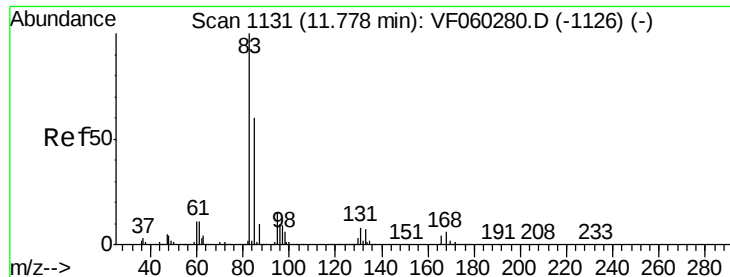
43 100

70 30.7 31.4 47.2#

55 16.6 16.8 25.2#

61 23.6 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.144 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

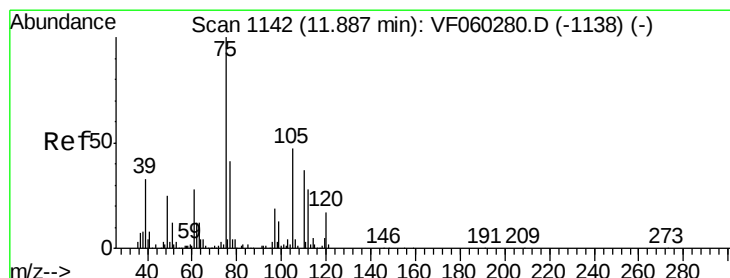
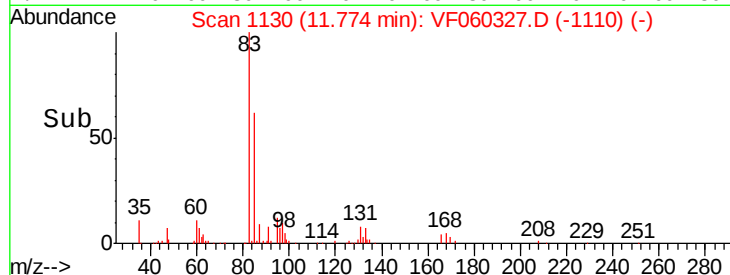
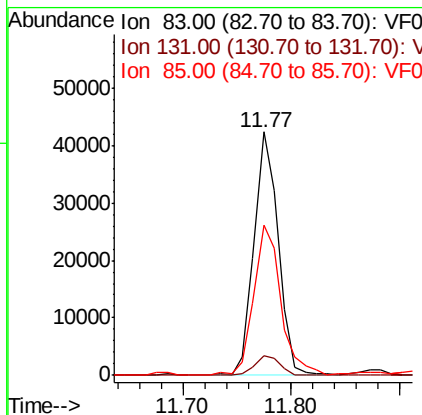
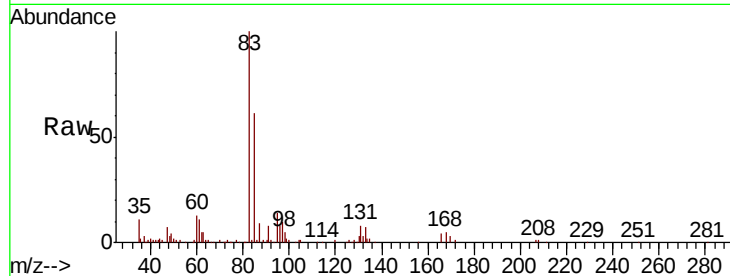
ClientSampleId :

VF0925SBSD01

Tot Ion:	83	Resp:	66704
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.2	12.4
85	61.5	30.1	90.5

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#76

1,2,3-Trichloropropane

Concen: 21.818 ug/l

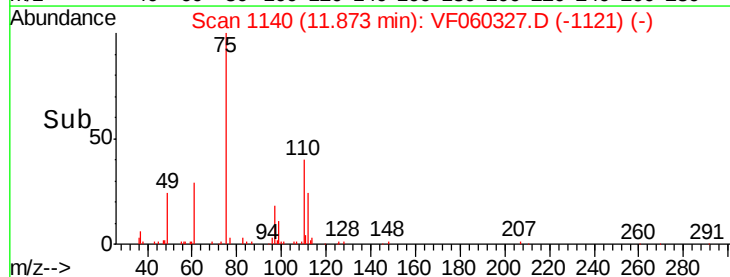
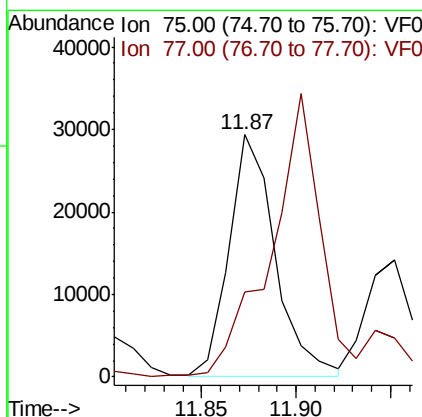
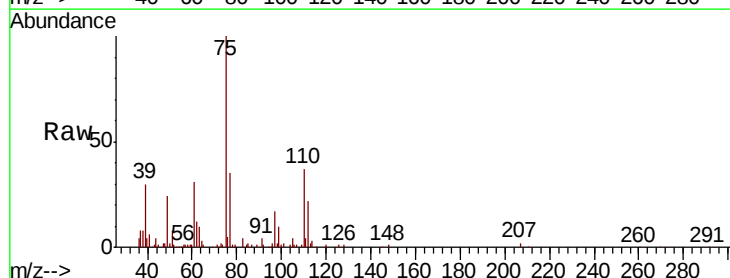
RT: 11.87 min Scan# 1140

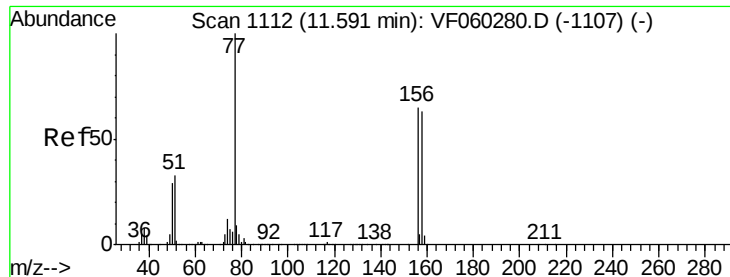
Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	75	Resp:	49283
Ion Ratio	Lower	Upper	
75	100		
77	35.2	20.5	61.5





#77

Bromobenzene

Concen: 21.401 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

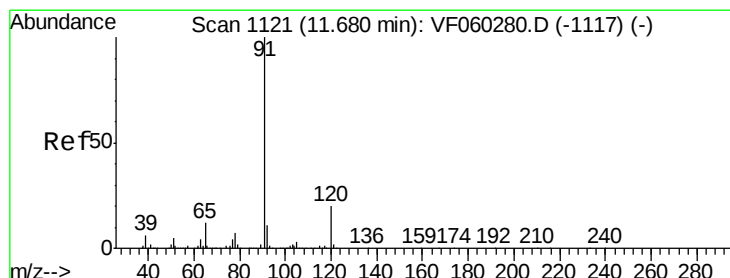
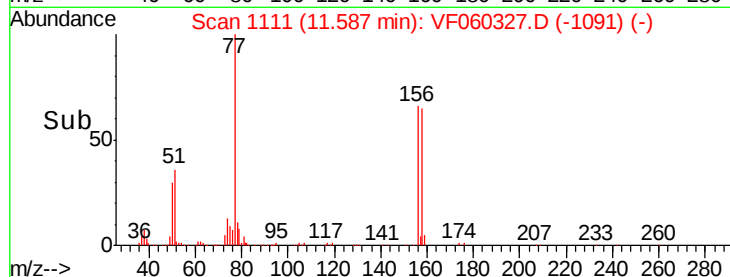
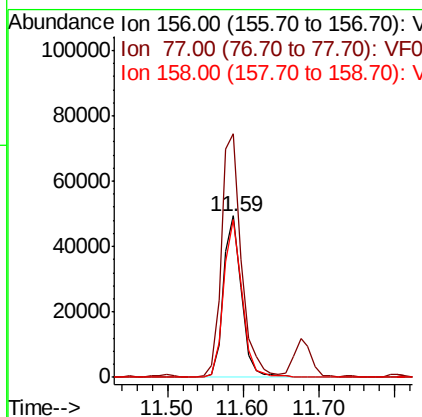
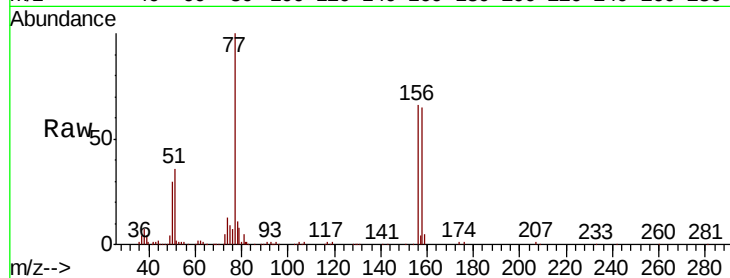
ClientSampleId :

VF0925SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.9	77.3	232.1	
158	98.2	48.4	145.2	

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#78

n-propylbenzene

Concen: 22.143 ug/l

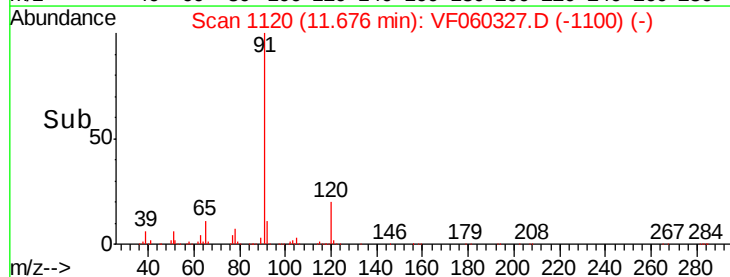
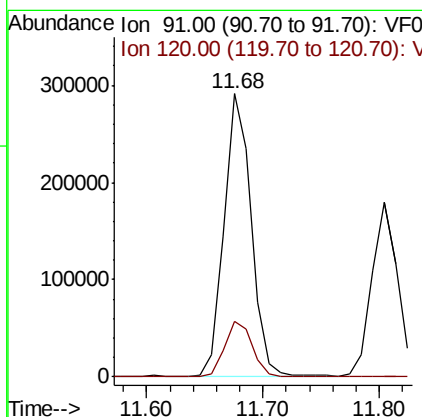
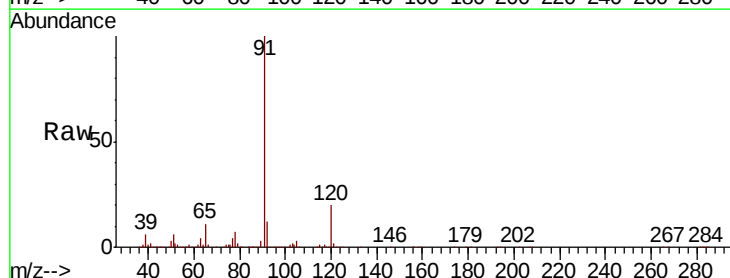
RT: 11.68 min Scan# 1120

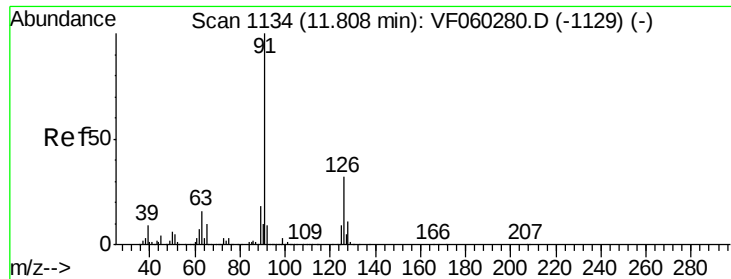
Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	19.7	10.0	29.8	





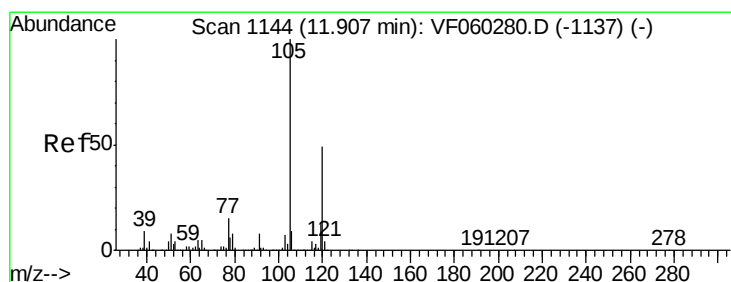
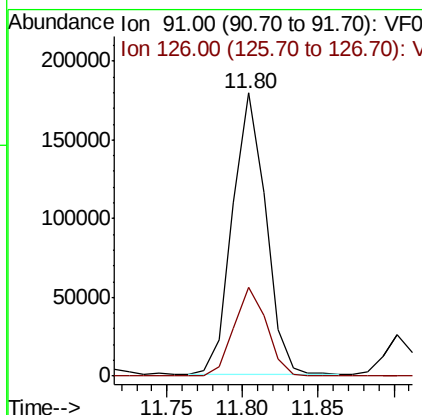
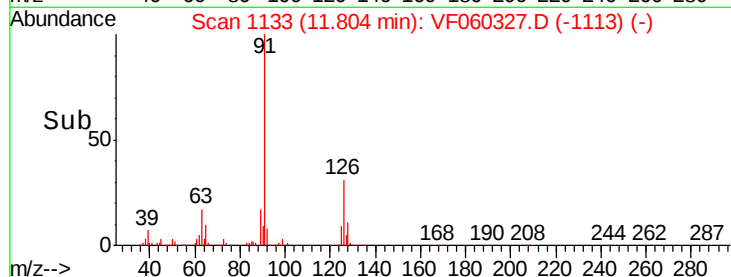
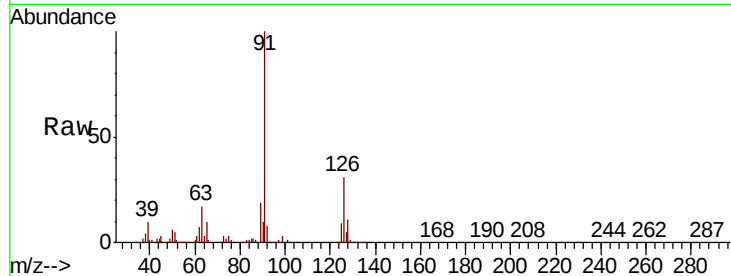
#79
 2-Chlorotoluene
 Concen: 22.802 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.1	48.3

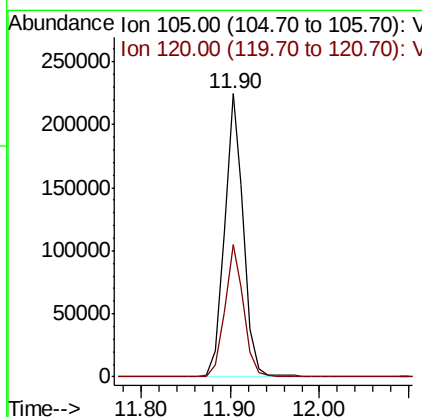
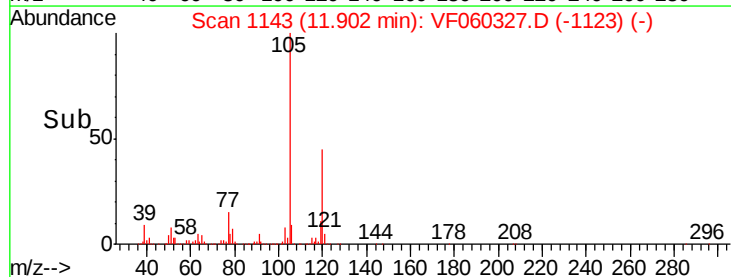
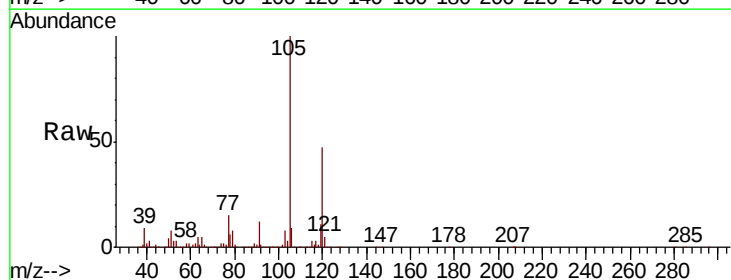
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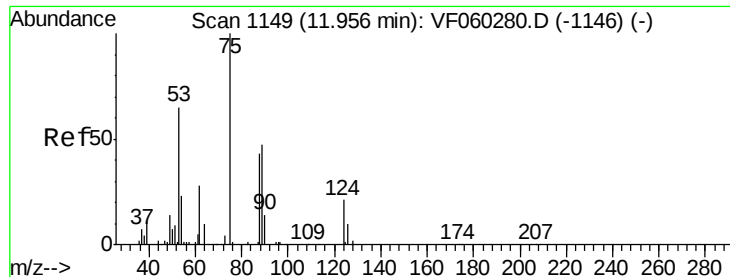
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.288 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.4	73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.362 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

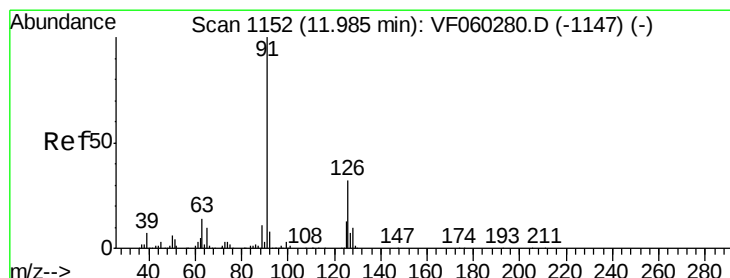
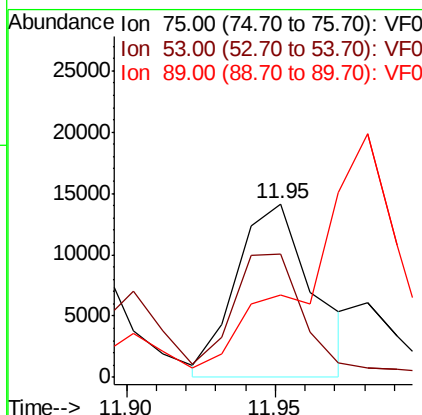
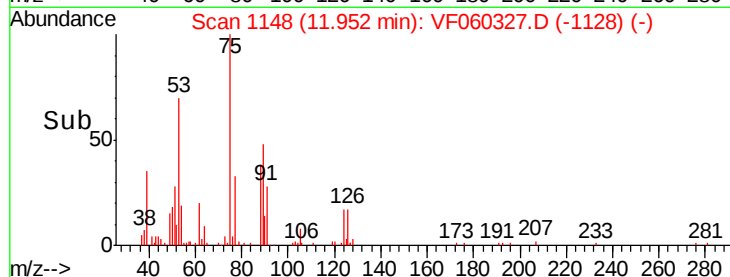
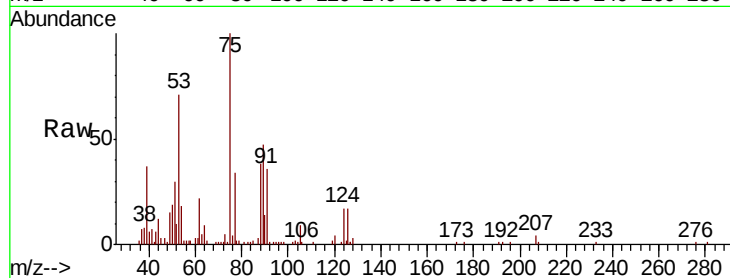
ClientSampleId :

VF0925SBS01

Tot Ion:	75	Resp:	25501
Ion Ratio	Lower	Upper	
75	100		
53	70.7	56.5	84.7
89	47.1	40.6	60.8

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#82

4-Chlorotoluene

Concen: 22.403 ug/l

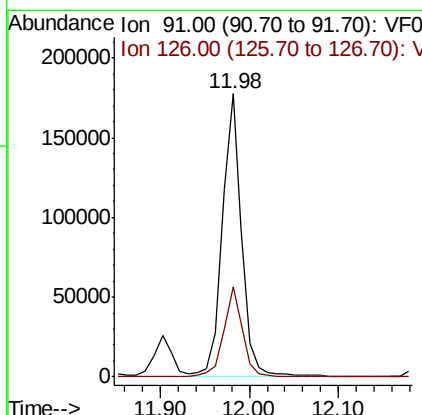
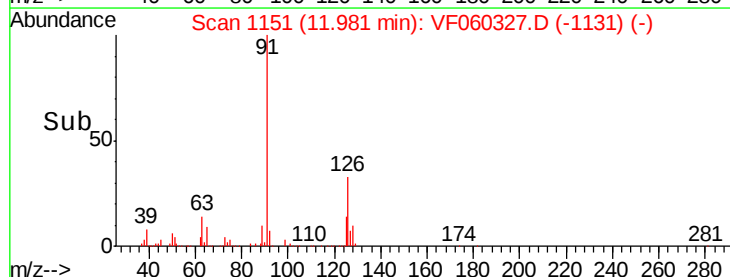
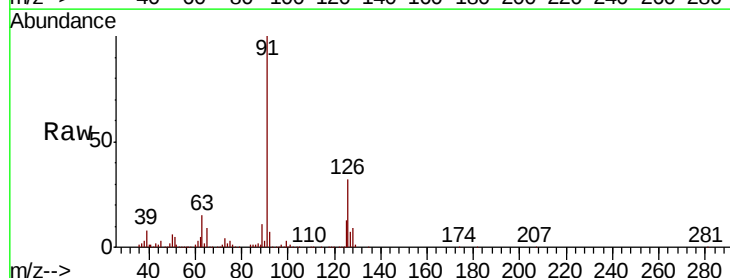
RT: 11.98 min Scan# 1151

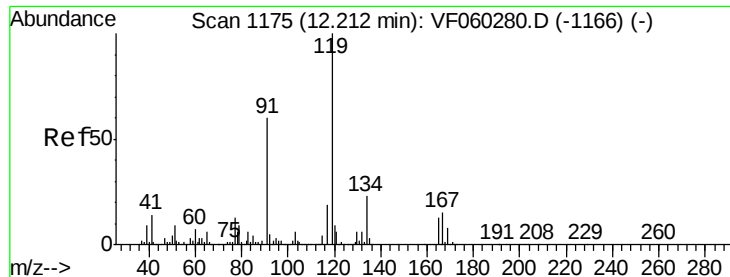
Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion:	91	Resp:	270389
Ion Ratio	Lower	Upper	
91	100		
126	31.6	16.1	48.2





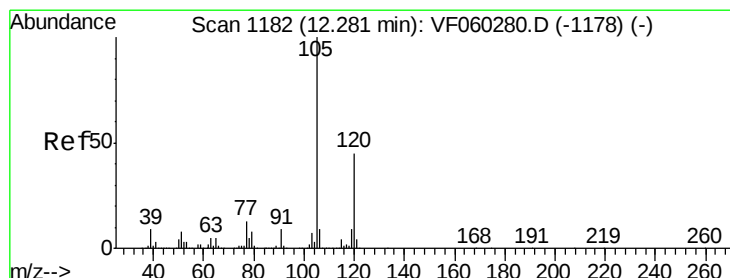
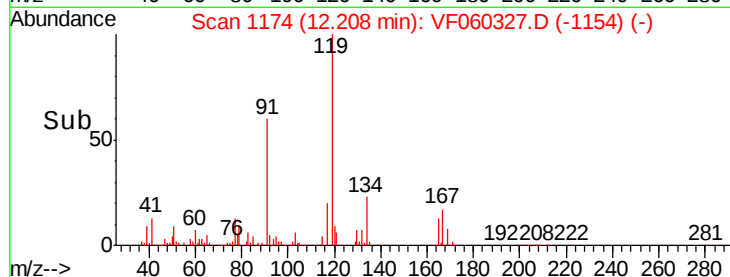
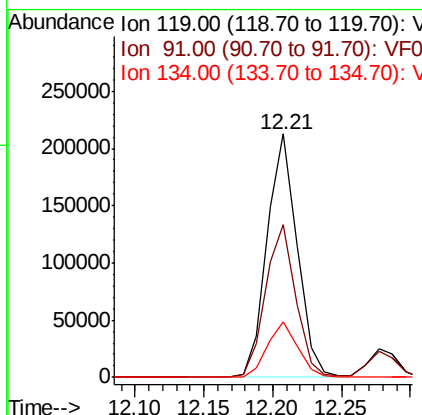
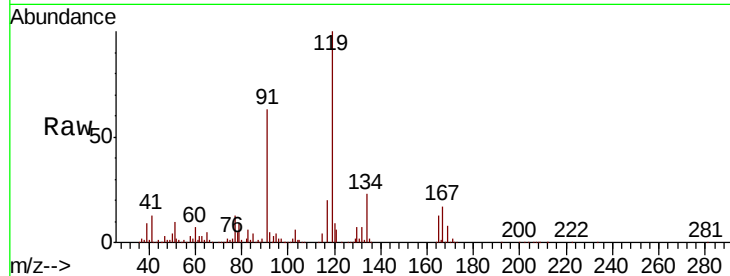
#83
tert-Butylbenzene
Concen: 22.309 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	324054		
91	62.8	30.3	91.0	
134	22.6	11.6	34.8	

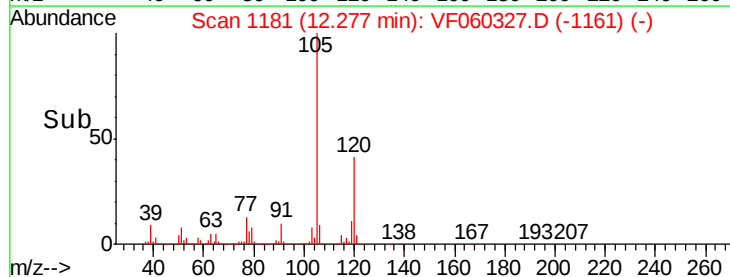
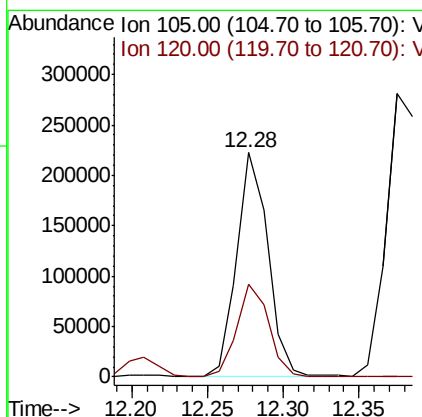
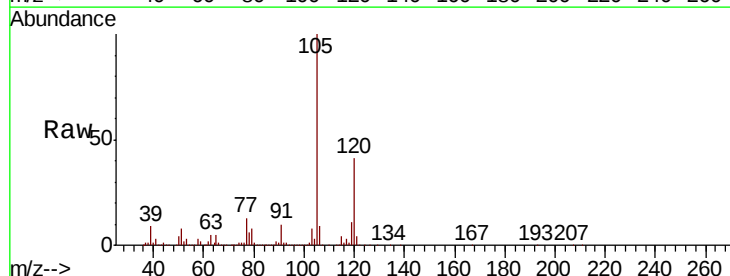
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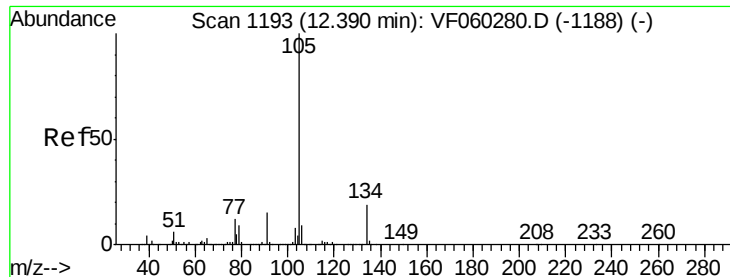
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#84
1,2,4-Trimethylbenzene
Concen: 22.120 ug/l
RT: 12.28 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	321853		
120	41.4	22.4	67.0	





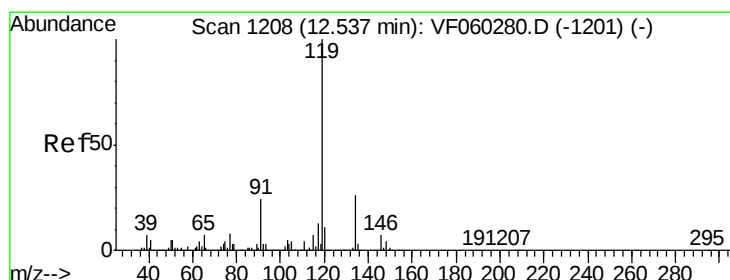
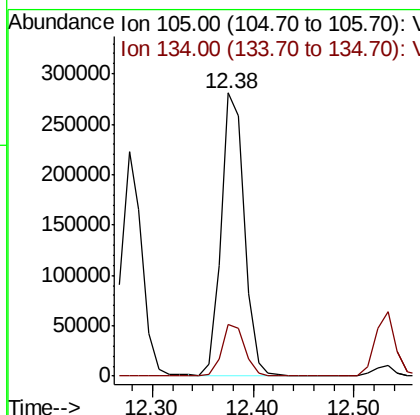
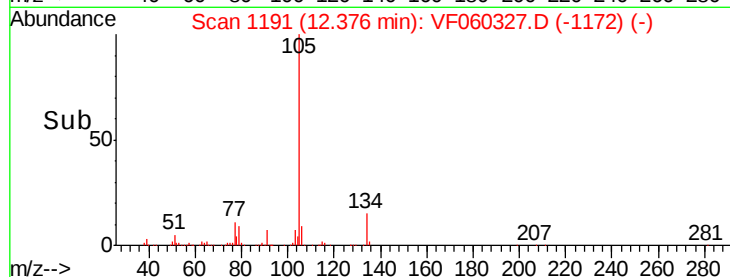
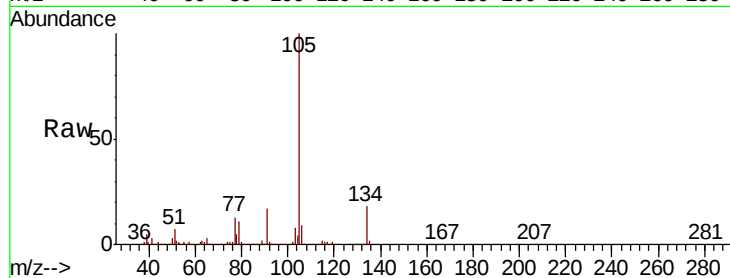
#85
 sec-Butylbenzene
 Concen: 21.937 ug/l
 RT: 12.38 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.1	9.6	28.6

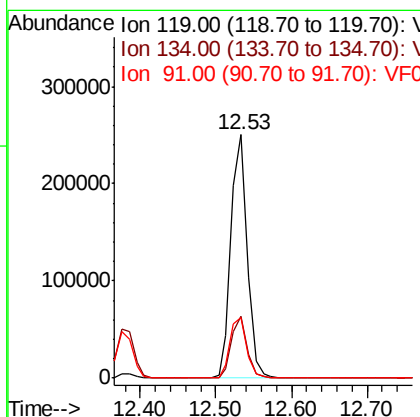
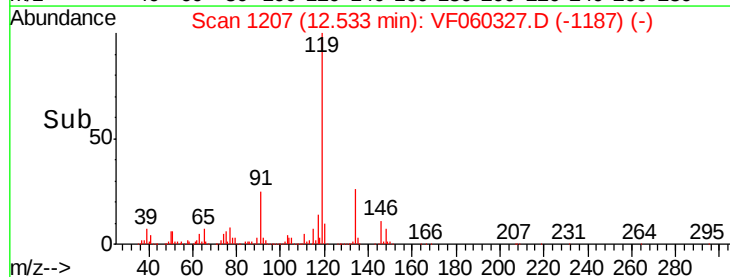
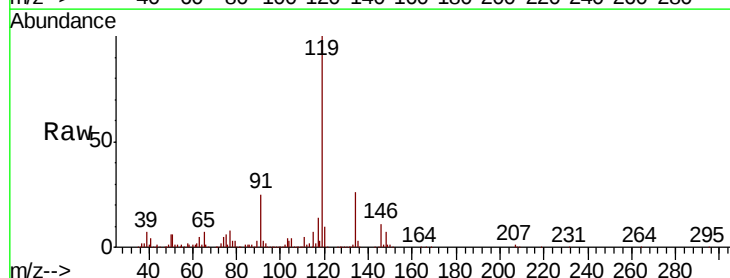
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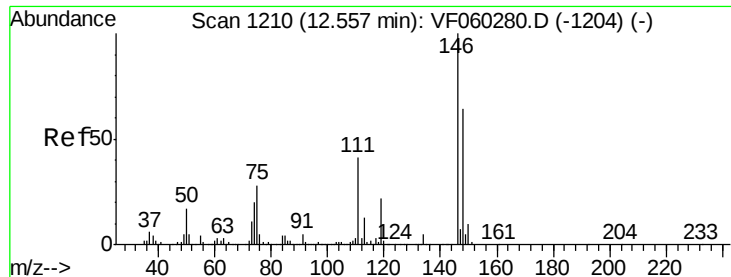
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#86
 p-Isopropyltoluene
 Concen: 23.169 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.7
91	25.1	11.9	35.7





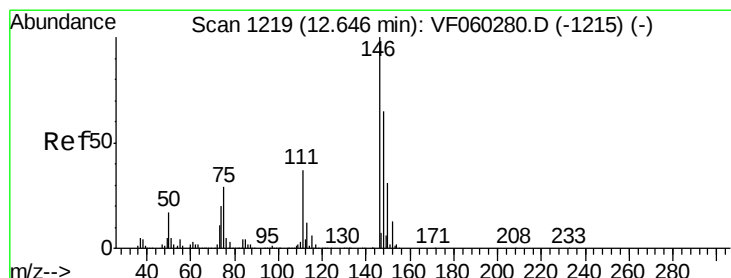
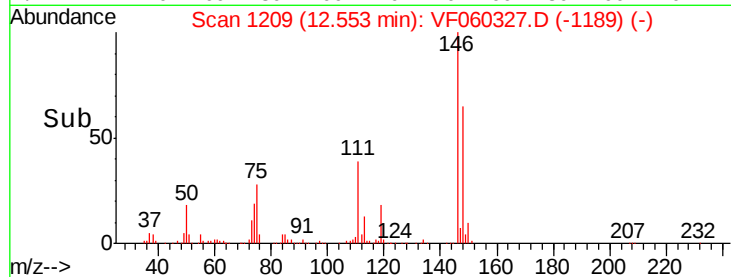
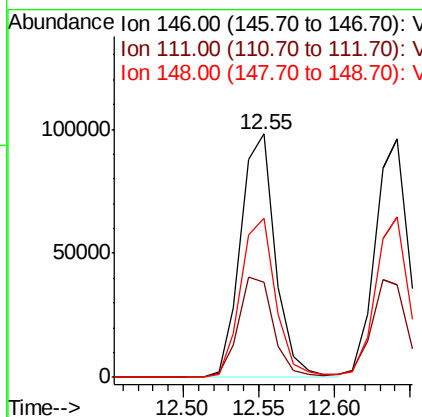
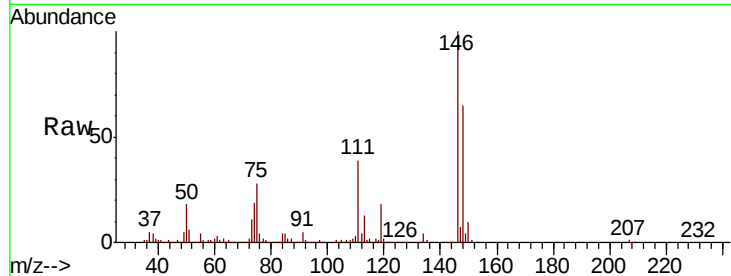
#87
 1,3-Dichlorobenzene
 Concen: 21.984 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.5	61.6
148	65.2	32.2	96.6

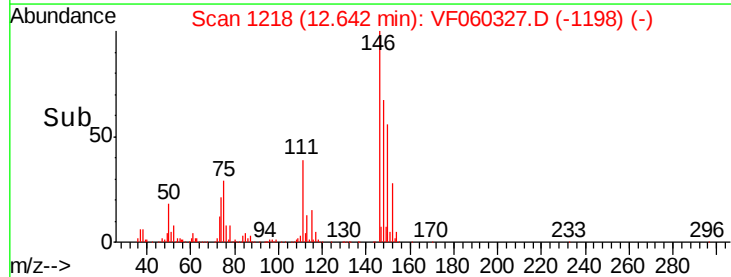
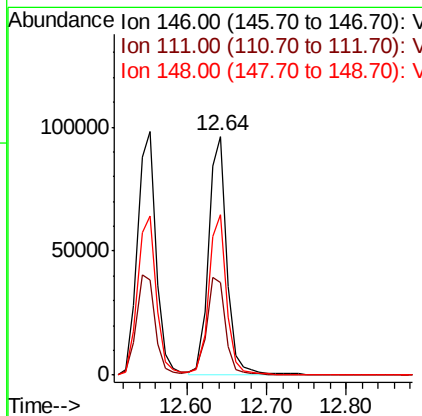
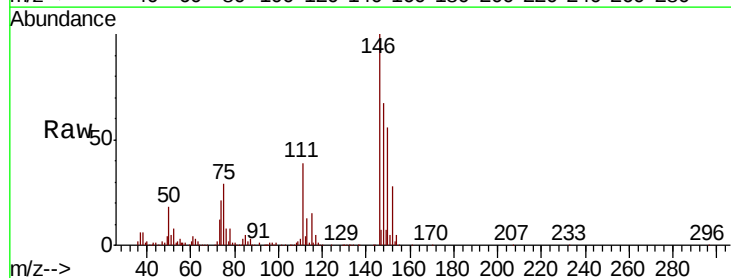
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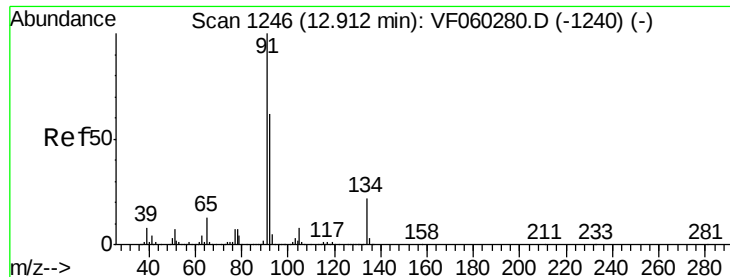
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#88
 1,4-Dichlorobenzene
 Concen: 21.915 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.7	56.1
148	67.0	32.4	97.0





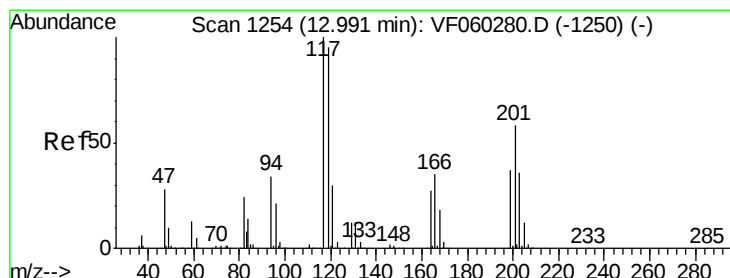
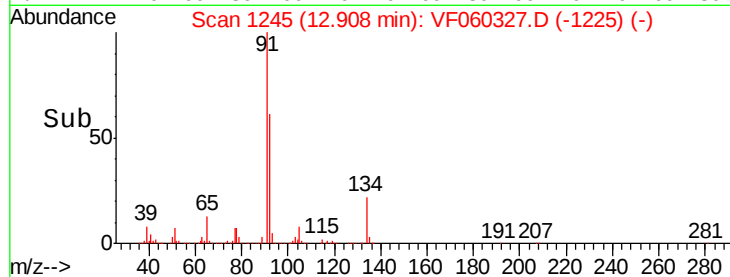
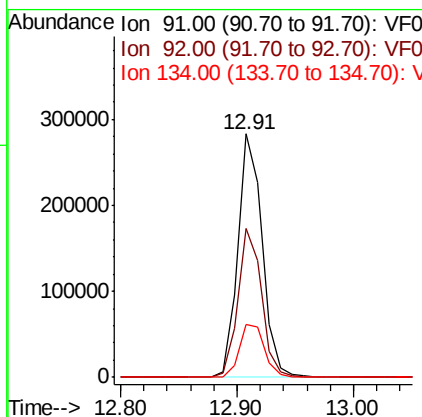
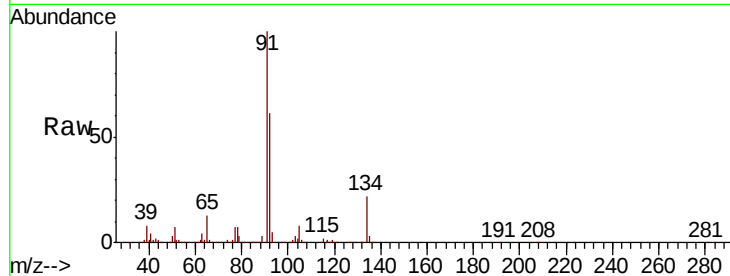
#89
n-Butylbenzene
Concen: 23.650 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	61.2	31.1	93.5	
134	21.8	11.0	33.0	

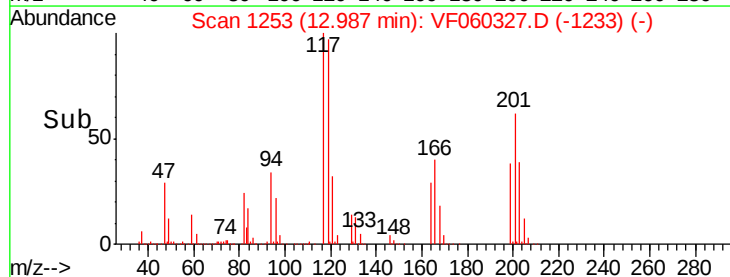
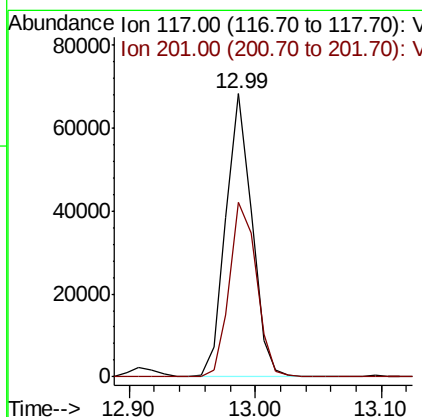
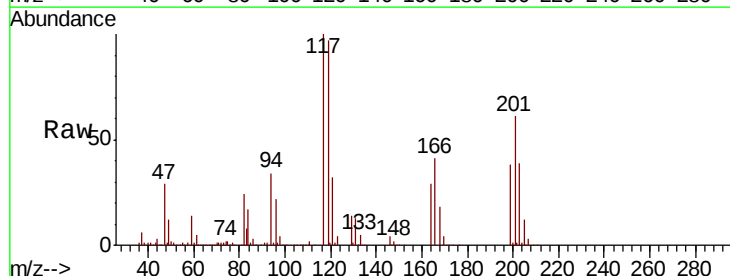
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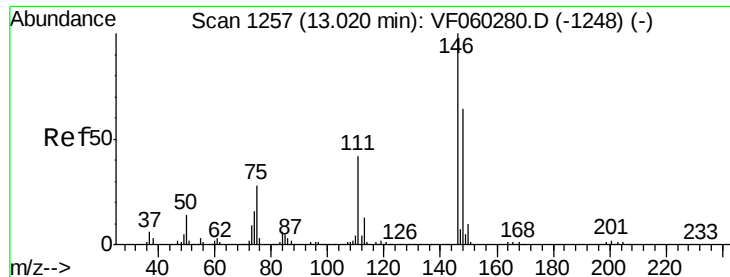
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#90
Hexachloroethane
Concen: 24.132 ug/l
RT: 12.99 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	62.9	29.0	87.0	





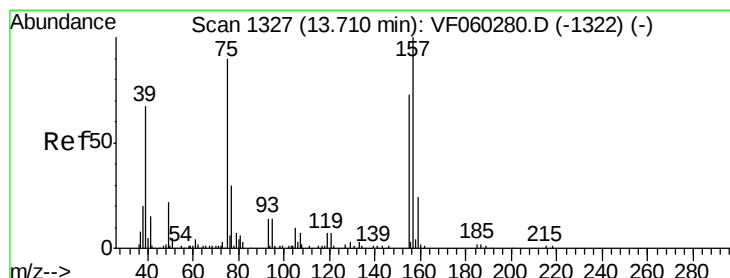
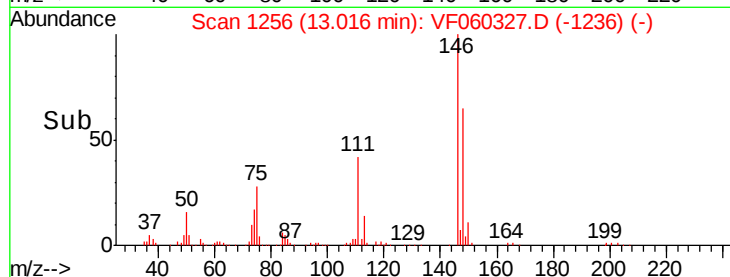
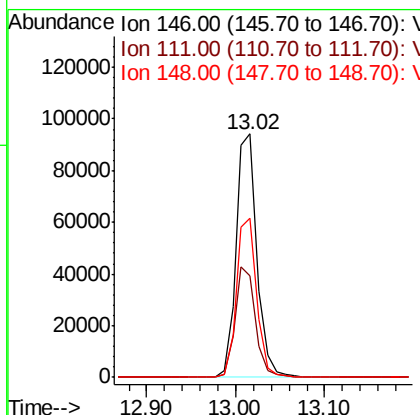
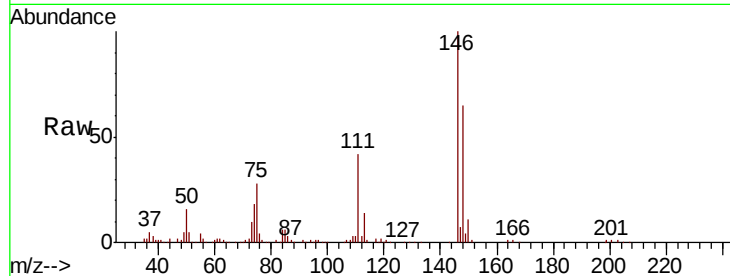
#91
 1,2-Dichlorobenzene
 Concen: 22.603 ug/l
 RT: 13.02 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	65.2	31.9	95.9

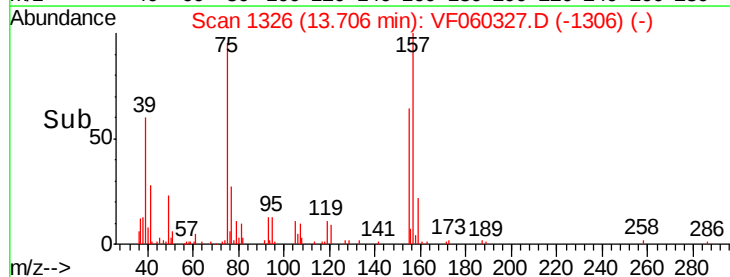
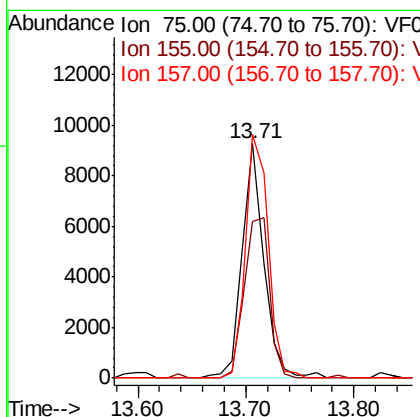
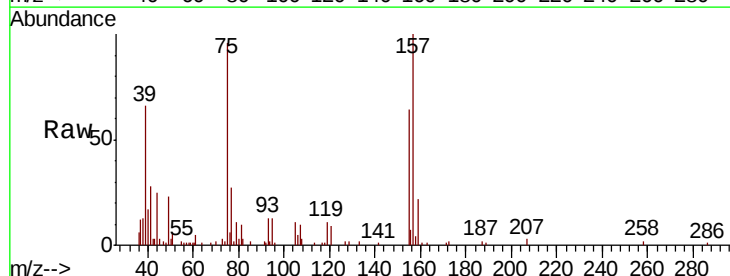
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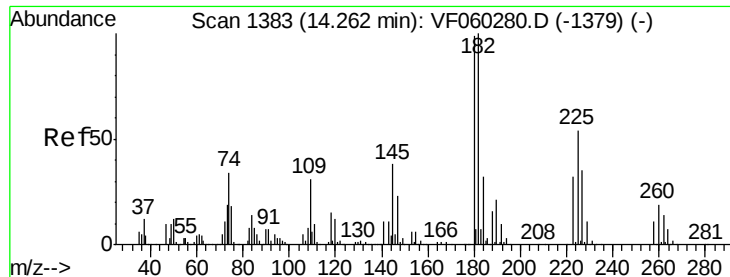
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.044 ug/l
 RT: 13.71 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.7	41.9	125.7
157	103.9	57.4	172.0





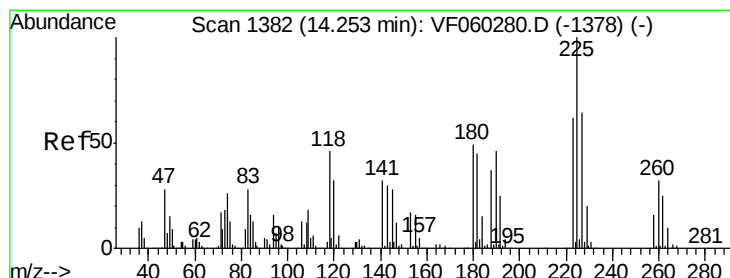
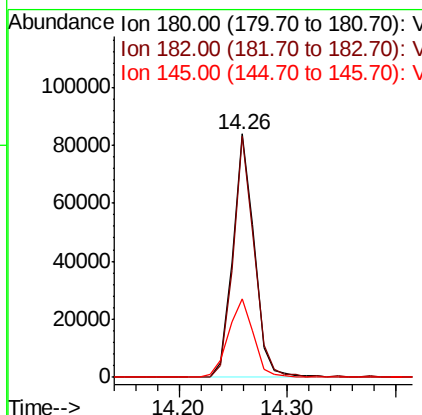
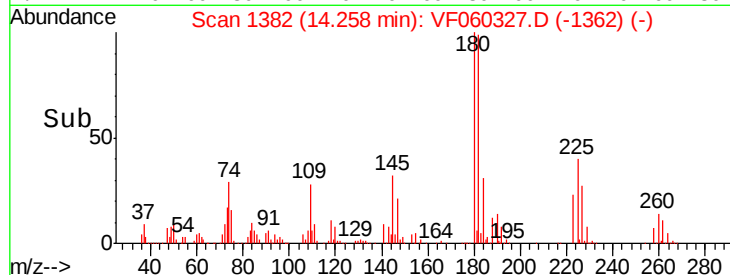
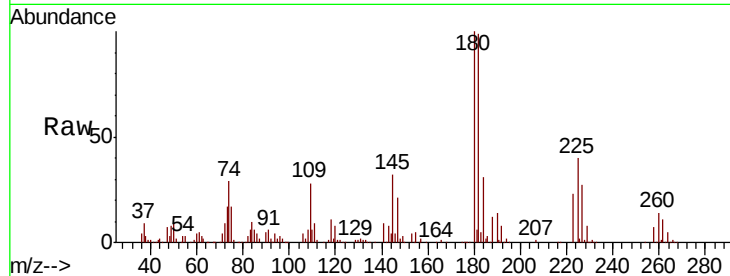
#93
 1,2,4-Trichlorobenzene
 Concen: 23.471 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116663		
182	99.1	50.3	151.0	
145	32.0	18.9	56.9	

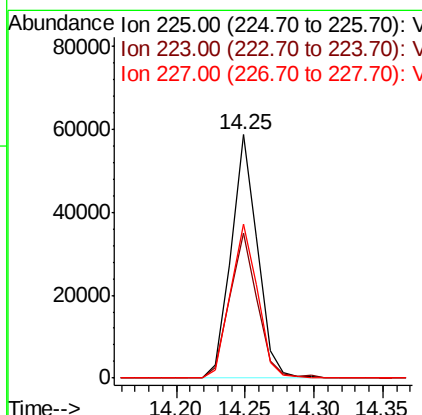
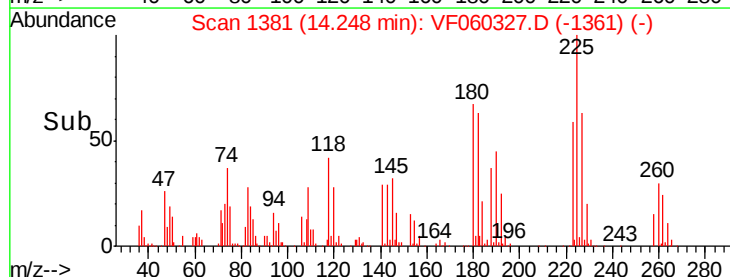
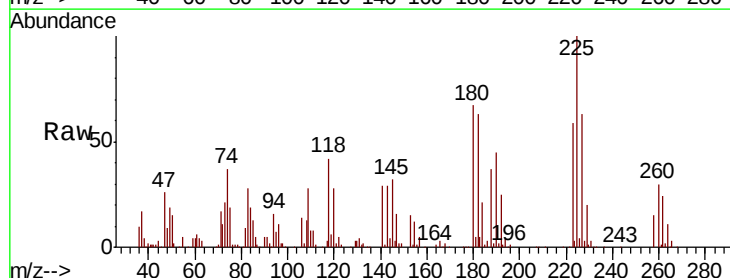
Manual Integrations
 APPROVED

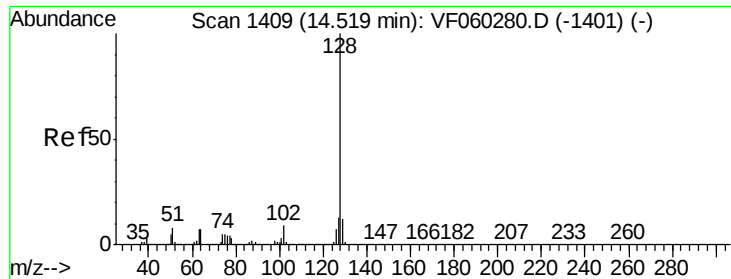
apatel
 9/26/2018 11:42:21 AM



#94
 Hexachlorobutadiene
 Concen: 23.208 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77983		
223	59.5	31.2	93.6	
227	63.4	32.2	96.6	





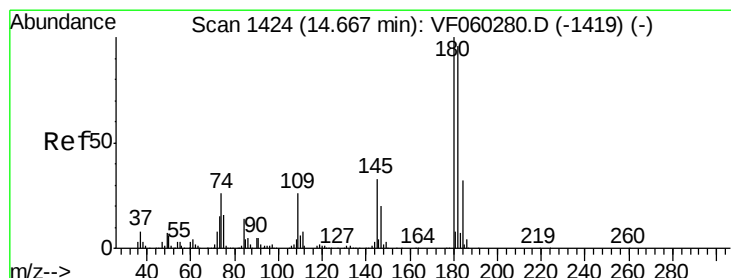
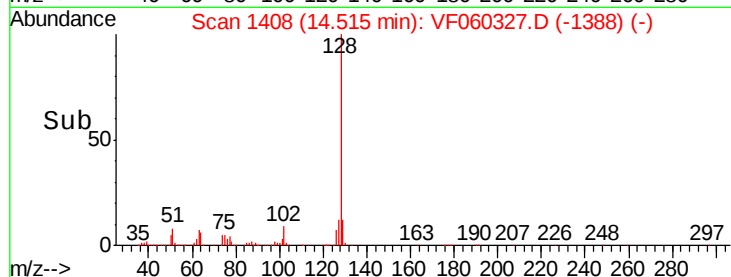
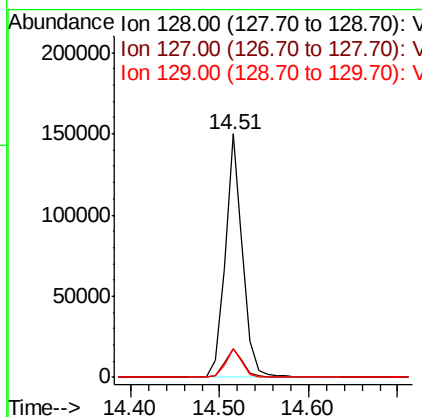
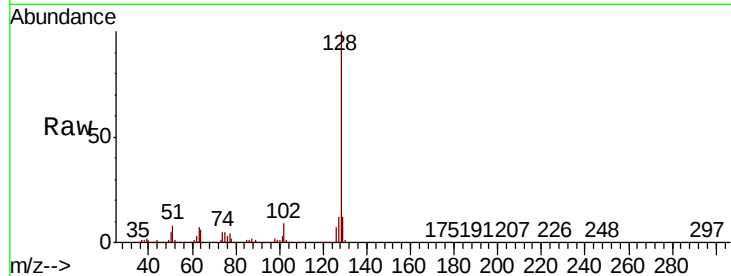
#95
Naphthalene
Concen: 23.645 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.1	15.1
129	12.0	9.8	14.8

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.835 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.8	143.4
145	34.9	16.4	49.1

