

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061744.D
 Acq On : 26 Feb 2019 16:06
 Operator : VA/AP
 Sample : VF0226SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 3:19:28 PM

Quant Time: Feb 27 04:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	298101	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	450555	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	371094	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	213764	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	116548	53.32	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	106.64%	
35) Dibromofluoromethane	4.08	113	169985	50.80	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.60%	
50) Toluene-d8	7.53	98	492198	51.17	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.40	95	195584	50.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	87284	25.496	ug/l	99
3) Chloromethane	1.09	50	84205	23.443	ug/l	97
4) Vinyl Chloride	1.14	62	77134	23.100	ug/l	96
5) Bromomethane	1.32	94	53521	23.289	ug/l	95
6) Chloroethane	1.39	64	36304	22.062	ug/l	92
7) Trichlorofluoromethane	1.47	101	100076m	24.849	ug/l	
8) Diethyl Ether	1.61	74	21917	21.594	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.83	101	68695	23.644	ug/l #	91
10) Methyl Iodide	1.91	142	123605m	22.272	ug/l	
11) Tert butyl alcohol	2.56	59	12929	102.195	ug/l	94
12) 1,1-Dichloroethene	1.79	96	61231	23.970	ug/l	94
13) Acrolein	1.99	56	12762	80.262	ug/l	94
14) Allyl chloride	2.08	41	60729	19.374	ug/l	96
15) Acrylonitrile	2.93	53	45934	102.361	ug/l	92
16) Acetone	2.23	43	50843	108.402	ug/l	92
17) Carbon Disulfide	1.82	76	181499m	22.604	ug/l	
18) Methyl Acetate	2.33	43	26284	24.876	ug/l	92
19) Methyl tert-butyl Ether	2.41	73	99746	22.848	ug/l	98
20) Methylene Chloride	2.24	84	63966m	24.148	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	49277	17.746	ug/l	99
22) Diisopropyl ether	2.78	45	168697	22.420	ug/l	97
23) Vinyl Acetate	3.17	43	371957	101.211	ug/l	99
24) 1,1-Dichloroethane	2.85	63	101034	22.189	ug/l	98
25) 2-Butanone	4.31	43	98494	96.139	ug/l	92
26) 2,2-Dichloropropane	3.57	77	44062	22.845	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	77566	21.281	ug/l	97
28) Bromochloromethane	3.68	49	43324	19.830	ug/l	91
29) Tetrahydrofuran	4.06	42	41606	89.352	ug/l	96
30) Chloroform	3.84	83	121372	23.439	ug/l	97
31) Cyclohexane	3.66	56	107752m	21.859	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	67335	19.850	ug/l	98
36) 1,1-Dichloropropene	4.26	75	91005	20.390	ug/l	93
37) Ethyl Acetate	4.09	43	35077	16.920	ug/l #	91
38) Carbon Tetrachloride	3.96	117	68118	22.102	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	107133	20.296	ug/l	98
40) Benzene	4.60	78	245775	21.052	ug/l	97
41) Methacrylonitrile	4.72	41	20505	19.341	ug/l #	88
42) 1,2-Dichloroethane	4.92	62	60130	21.532	ug/l	94
43) Isopropyl Acetate	6.94	43	45216	18.426	ug/l #	91
44) Trichloroethene	5.48	130	78056	20.676	ug/l	99
45) 1,2-Dichloropropane	6.21	63	58045	20.569	ug/l	95
46) Dibromomethane	6.06	93	35928	20.678	ug/l	92
47) Bromodichloromethane	6.36	83	83347	21.905	ug/l	95
48) Methyl methacrylate	6.69	41	28817	19.514	ug/l	96
49) 1,4-Dioxane	6.68	88	5235	377.108	ug/l	91
51) 4-Methyl-2-Pentanone	8.24	43	170333	97.145	ug/l	99
52) Toluene	7.60	92	148991	21.043	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	65389	20.649	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	89250	21.159	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	41753	20.071	ug/l	98
56) Ethyl methacrylate	8.60	69	44598	19.256	ug/l	97
57) 1,3-Dichloropropane	8.83	76	64257	18.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	34415	86.121	ug/l	100
59) 2-Hexanone	9.47	43	122117	99.357	ug/l	98
60) Dibromochloromethane	8.69	129	59085	20.406	ug/l	99
61) 1,2-Dibromoethane	8.96	107	43833	19.427	ug/l	93
64) Tetrachloroethene	8.13	164	67226	22.163	ug/l	96
65) Chlorobenzene	9.78	112	167213	22.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	64897	21.993	ug/l	99
67) Ethyl Benzene	9.88	91	269824	21.546	ug/l	97
68) m/p-Xylenes	10.11	106	220294	45.965	ug/l	99
69) o-Xylene	10.70	106	117051	22.888	ug/l	93
70) Styrene	10.77	104	159033	21.982	ug/l	95
71) Bromoform	10.75	173	31007	19.351	ug/l	99
73) Isopropylbenzene	11.11	105	328906	21.611	ug/l	100
74) N-amyl acetate	11.36	43	78794	21.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	55982	20.531	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	36303	19.583	ug/l	99
77) Bromobenzene	11.48	156	81445	21.661	ug/l	95
78) n-propylbenzene	11.58	91	383744	21.972	ug/l	100
79) 2-Chlorotoluene	11.70	91	219683	22.460	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	277810	22.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	17365m	19.539	ug/l	
82) 4-Chlorotoluene	11.89	91	214782	21.156	ug/l	99
83) tert-Butylbenzene	12.12	119	312033	23.160	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	276104	22.847	ug/l	100
85) sec-Butylbenzene	12.29	105	393602	22.591	ug/l	98
86) p-Isopropyltoluene	12.45	119	327397	22.391	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	157560	21.495	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	147232	20.886	ug/l	99
89) n-Butylbenzene	12.83	91	318976	23.102	ug/l	98
90) Hexachloroethane	12.90	117	80303	23.614	ug/l	100
91) 1,2-Dichlorobenzene	12.92	146	146101	20.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	7835	18.124	ug/l	92

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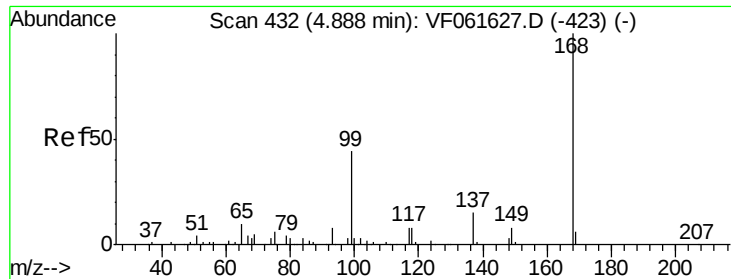
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	110947	22.201	ug/l	98
94) Hexachlorobutadiene	14.18	225	74070	23.999	ug/l	99
95) Naphthalene	14.44	128	175143	20.031	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	102656	22.381	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion:168 Resp: 298101

Ion Ratio Lower Upper

168 100

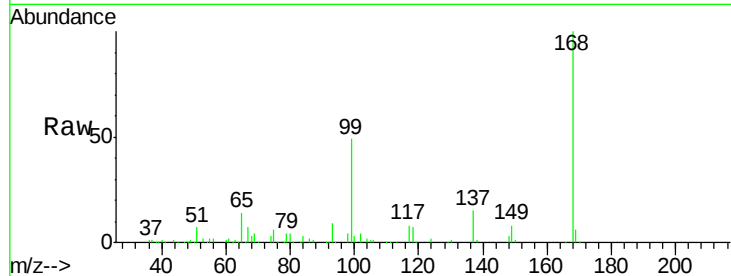
99 48.8 34.9 52.3

Manual Integrations

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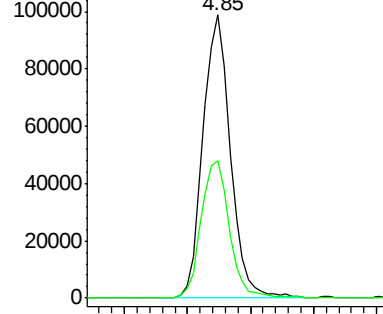
MMDadoda

2/27/2019 3:19:28 PM

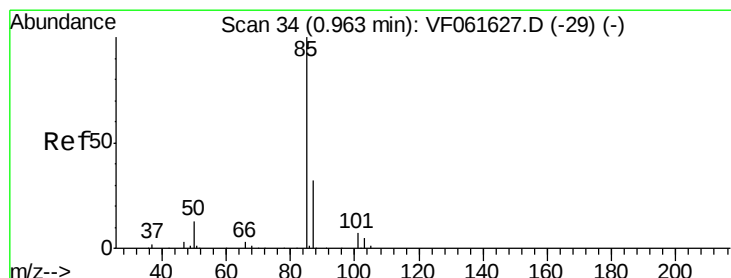
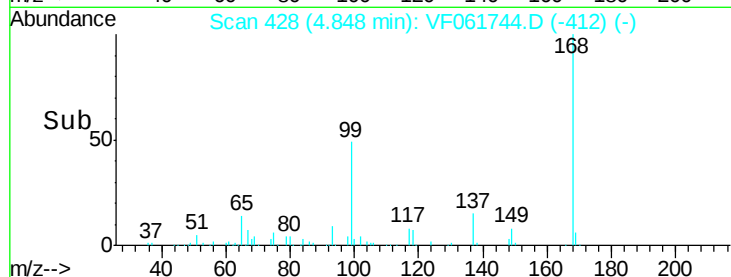


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



Time-->



#2

Dichlorodifluoromethane

Concen: 25.496 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061744.D

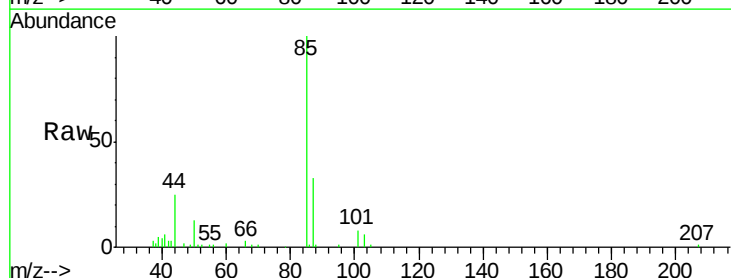
Acq: 26 Feb 2019 16:06

Tgt Ion: 85 Resp: 87284

Ion Ratio Lower Upper

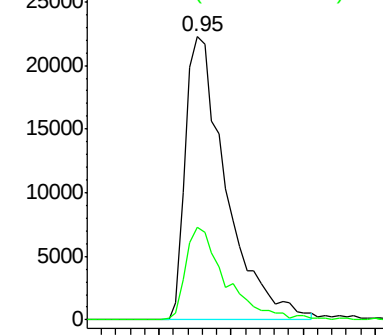
85 100

87 32.8 16.1 48.2

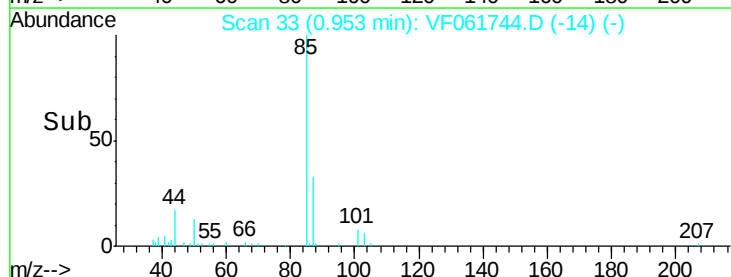


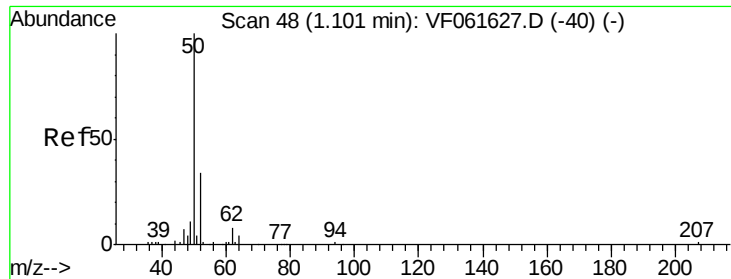
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->





#3

Chloromethane

Concen: 23.443 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 50 Resp: 84205

Ion Ratio Lower Upper

50 100

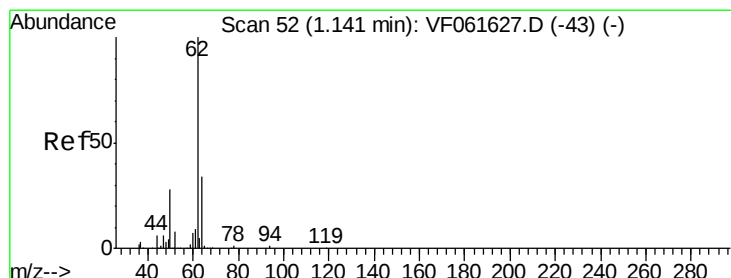
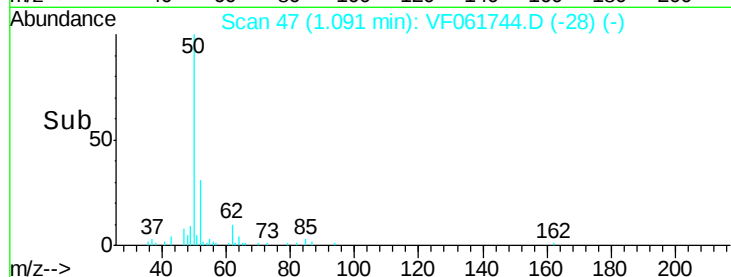
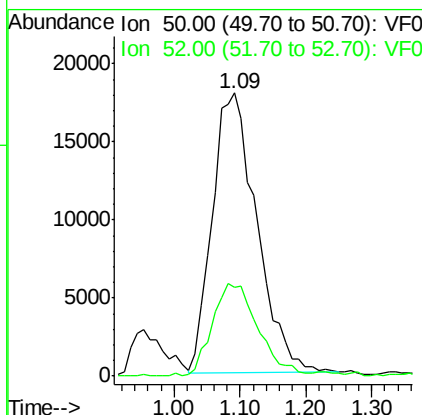
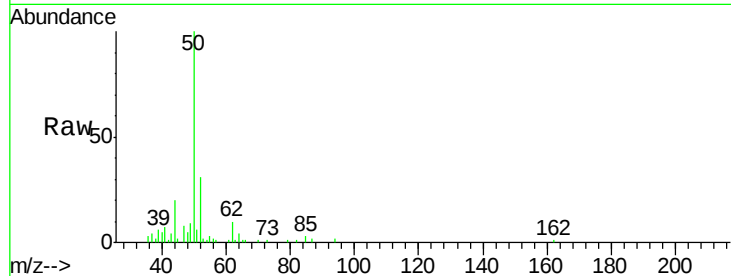
52 31.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.100 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061744.D

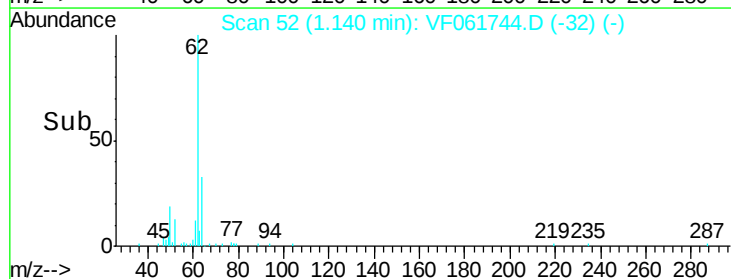
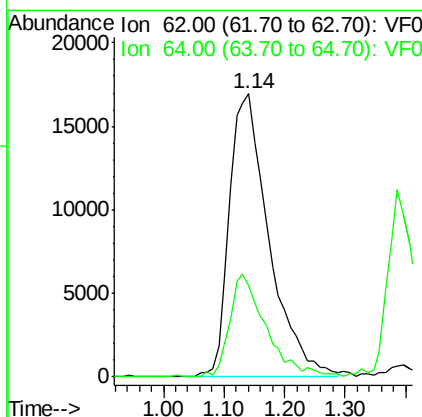
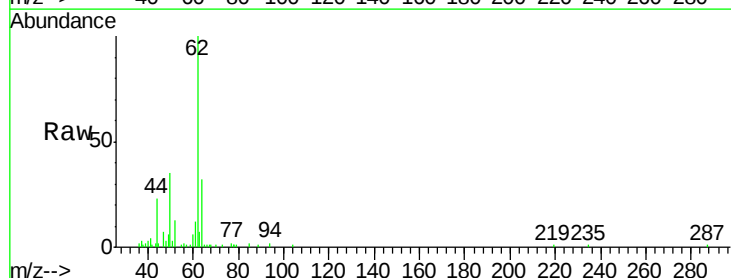
Acq: 26 Feb 2019 16:06

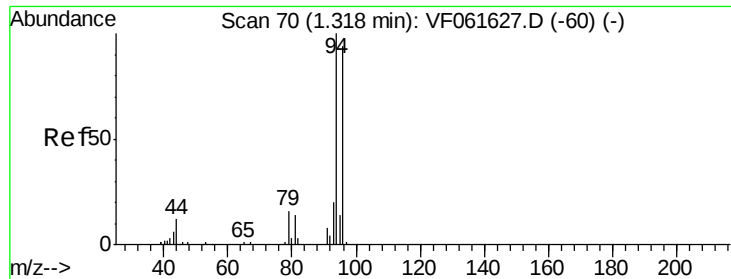
Tgt Ion: 62 Resp: 77134

Ion Ratio Lower Upper

62 100

64 32.3 27.5 41.3





#5

Bromomethane

Concen: 23.289 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 94 Resp: 53521

Ion Ratio Lower Upper

94 100

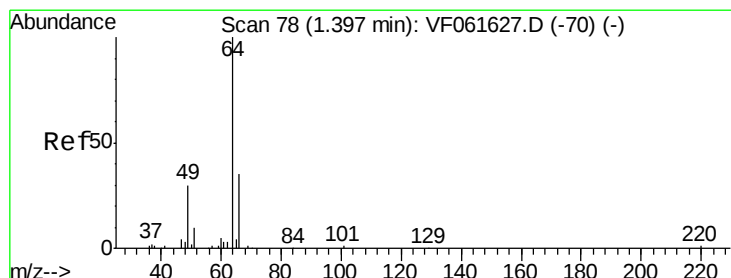
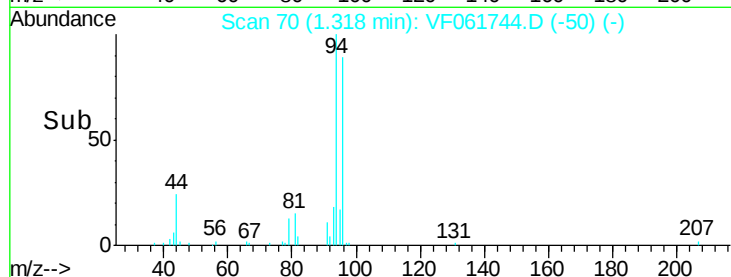
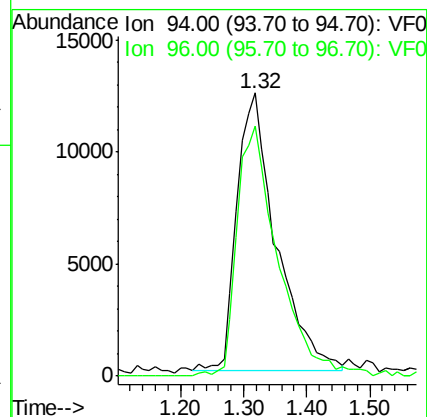
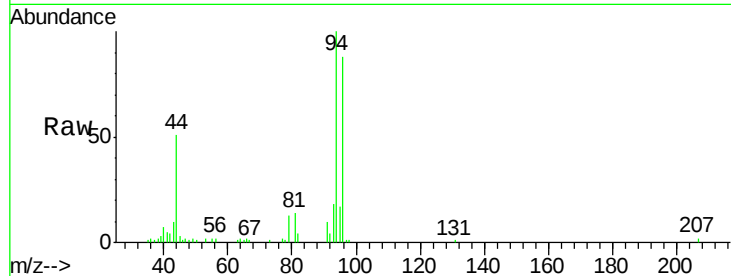
96 88.1 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 22.062 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061744.D

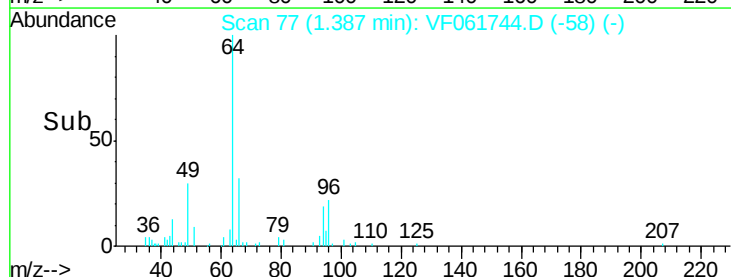
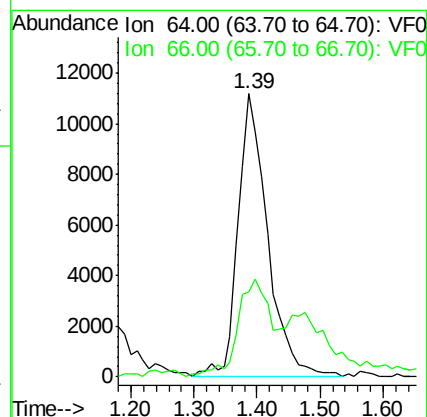
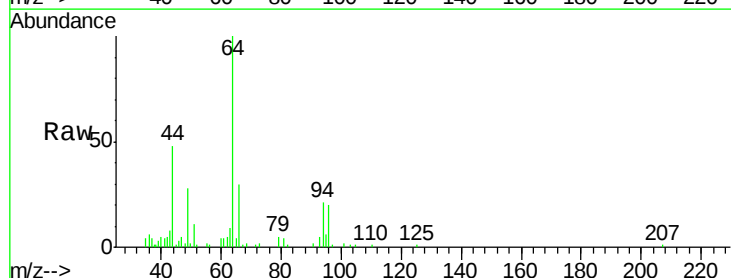
Acq: 26 Feb 2019 16:06

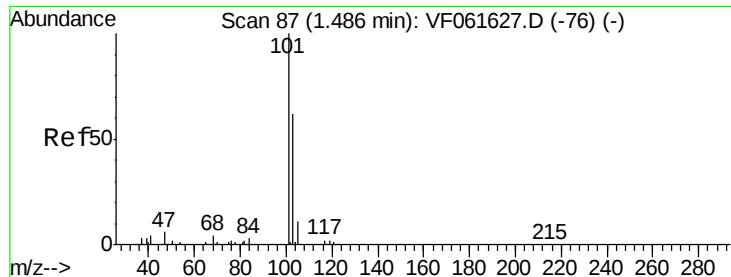
Tgt Ion: 64 Resp: 36304

Ion Ratio Lower Upper

64 100

66 30.2 27.9 41.9





#7

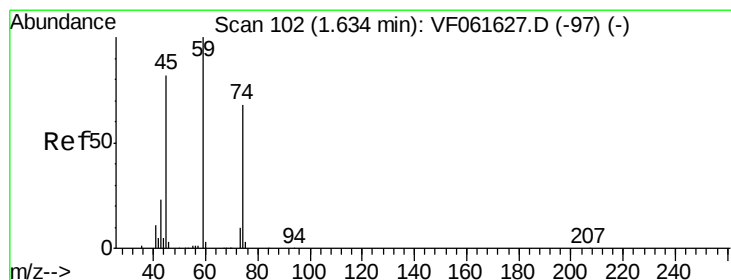
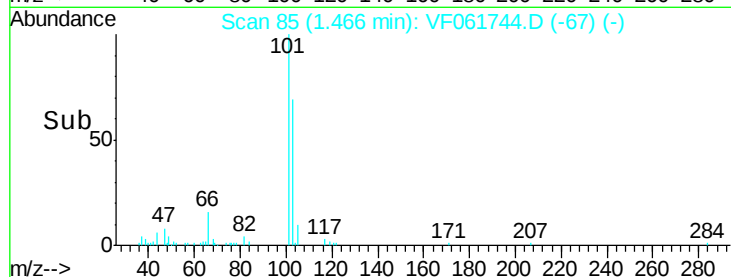
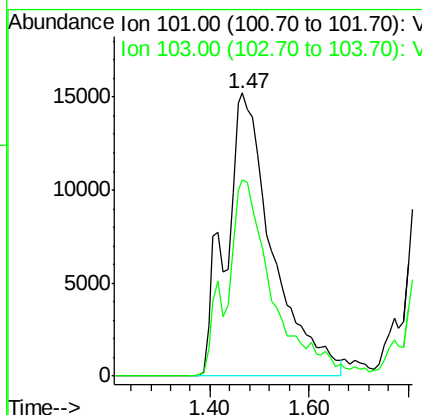
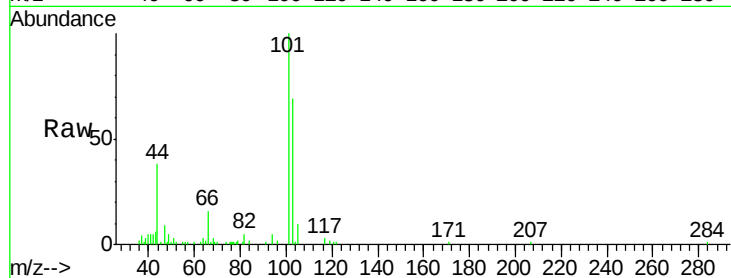
Trichlorofluoromethane
Concen: 24.849 ug/l m
RT: 1.47 min Scan# 85
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.2	49.3	73.9

Manual Integrations
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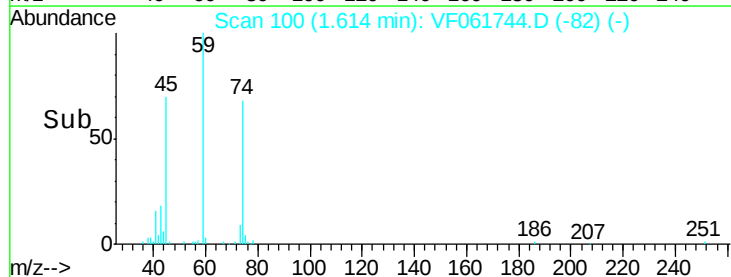
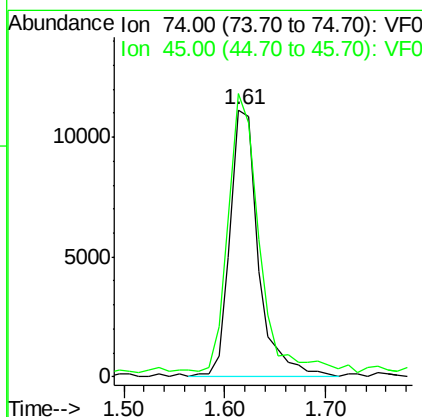
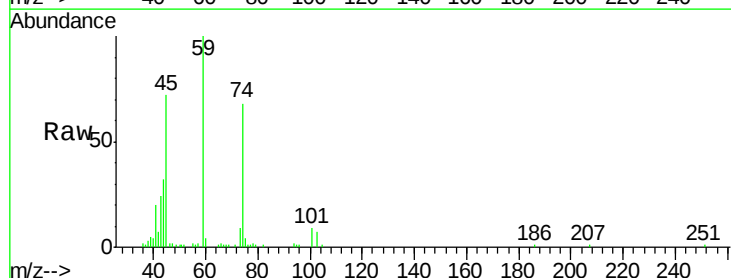
MMDadoda
2/27/2019 3:19:28 PM

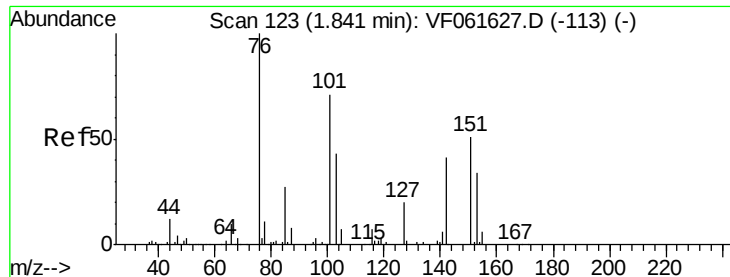


#8

Diethyl Ether
Concen: 21.594 ug/l
RT: 1.61 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	60.8	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.644 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

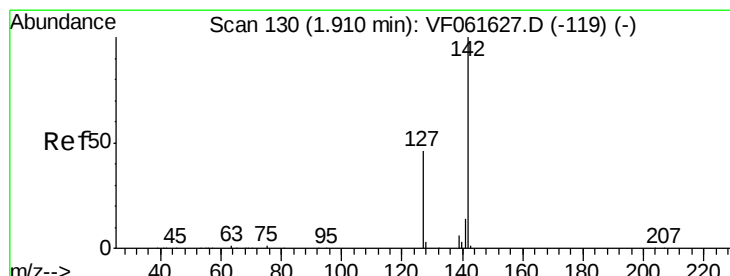
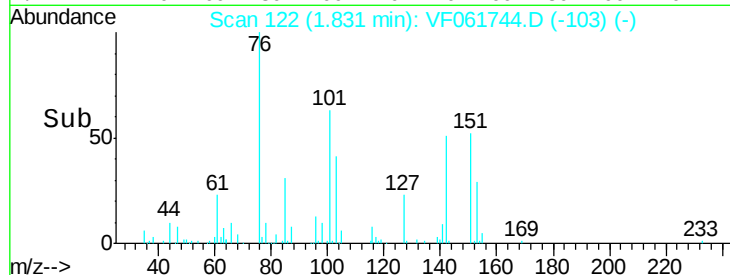
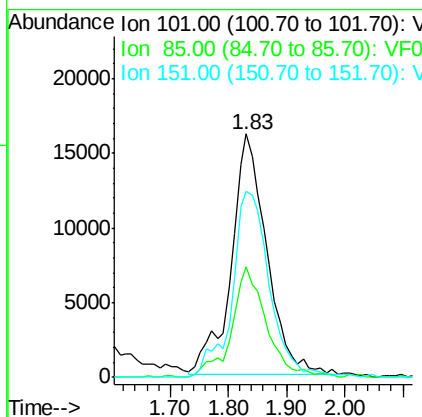
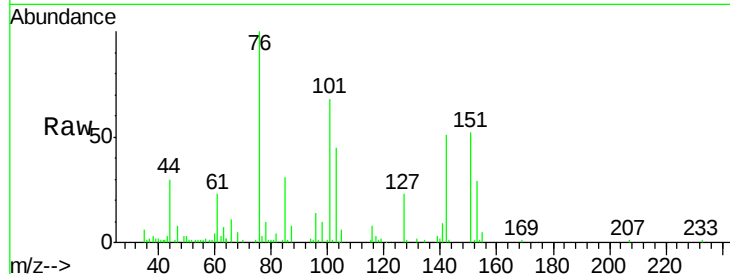
ClientSampleId :

VF0226SBS01

Tot Ion:	101	Resp:	68695
Ion Ratio	Lower	Upper	
101	100		
85	45.6	29.8	44.6#
151	76.1	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 22.272 ug/l m

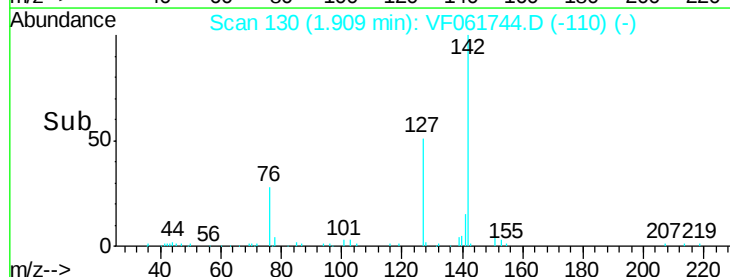
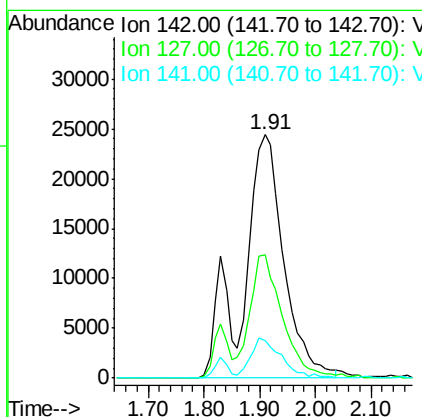
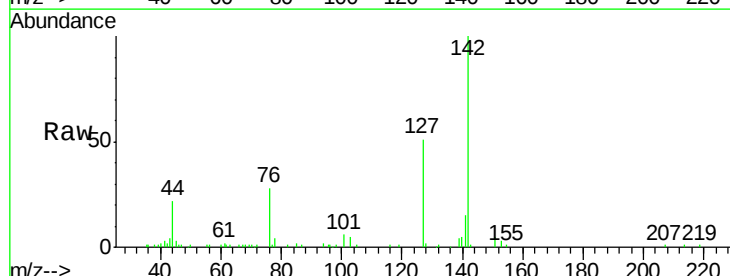
RT: 1.91 min Scan# 130

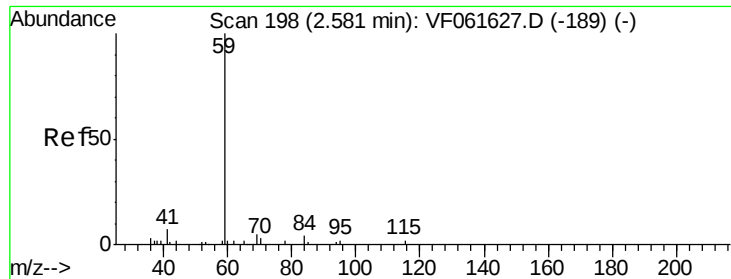
Delta R.T. -0.00 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	142	Resp:	123605
Ion Ratio	Lower	Upper	
142	100		
127	50.7	36.6	55.0
141	15.4	11.0	16.6





#11

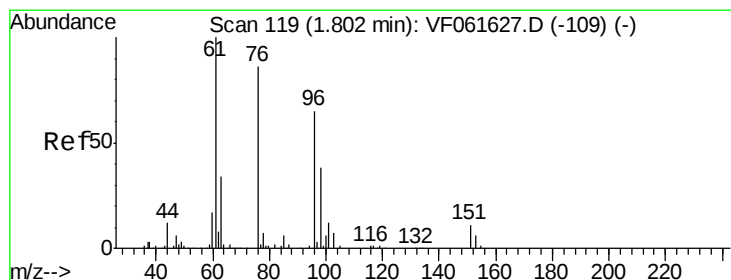
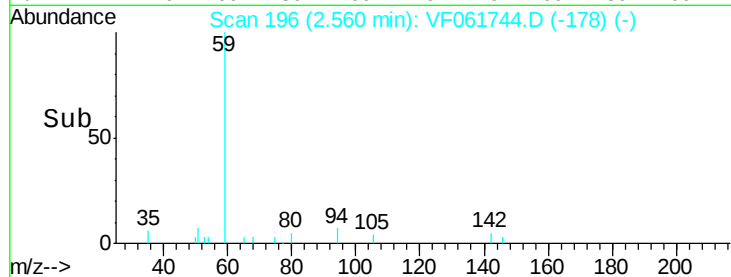
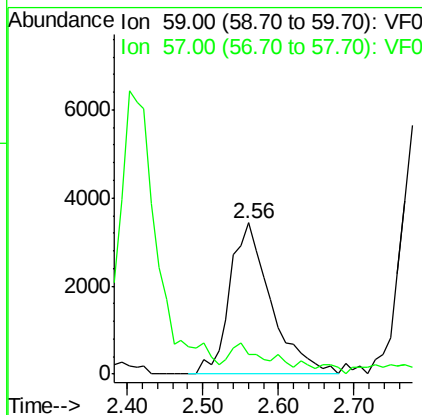
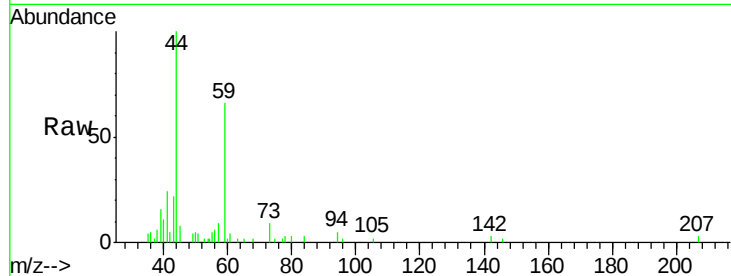
Tert butyl alcohol
Concen: 102.195 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion: 59 Resp: 12929
Ion Ratio Lower Upper
59 100
57 12.9 12.5 18.7

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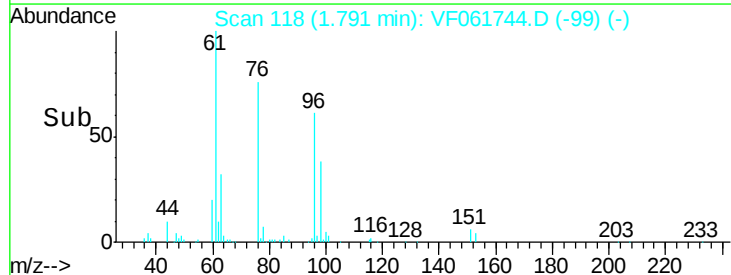
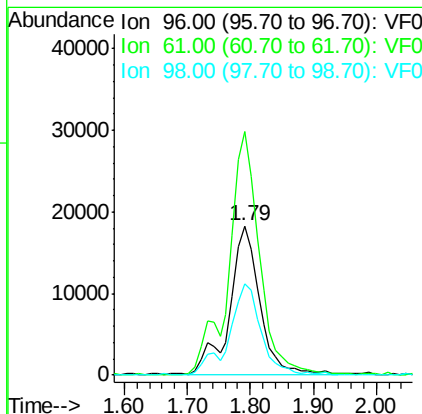
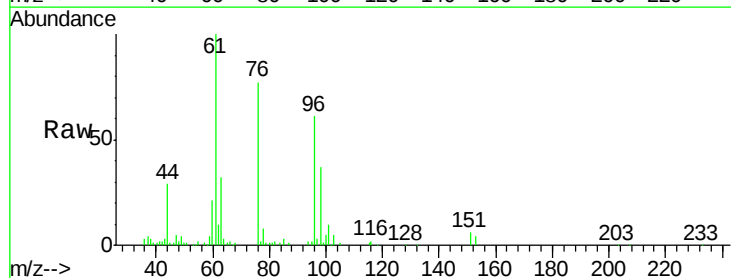
MMDadoda
2/27/2019 3:19:28 PM

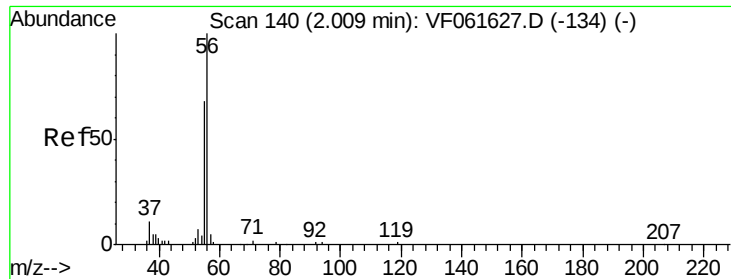


#12

1,1-Dichloroethene
Concen: 23.970 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 96 Resp: 61231
Ion Ratio Lower Upper
96 100
61 162.8 122.6 184.0
98 61.0 47.2 70.8





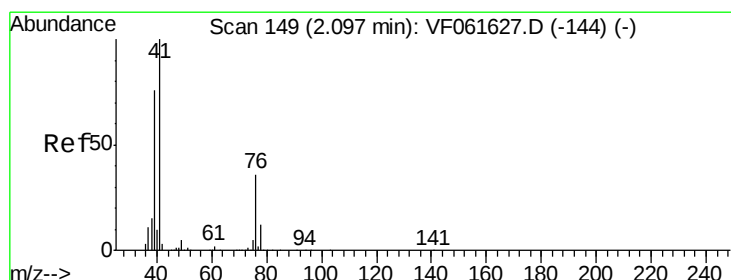
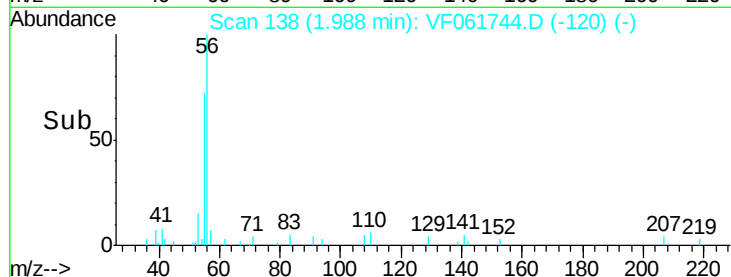
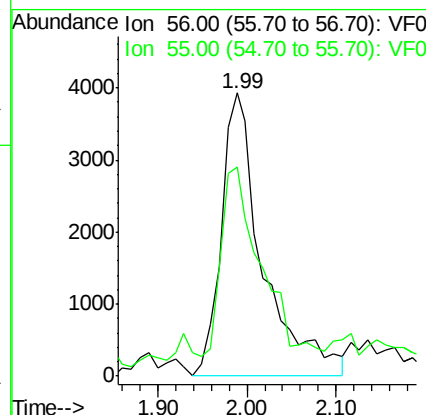
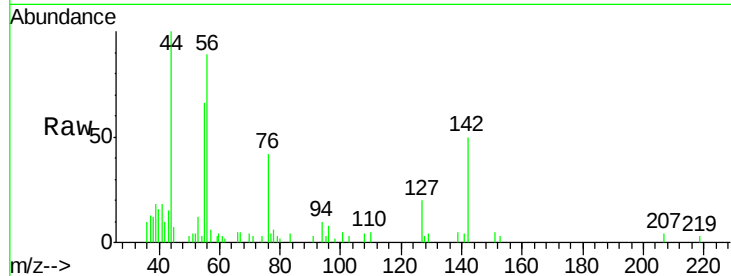
#13
Acrolein
Concen: 80.262 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion: 56 Resp: 12762
Ion Ratio Lower Upper
56 100
55 73.9 55.0 82.6

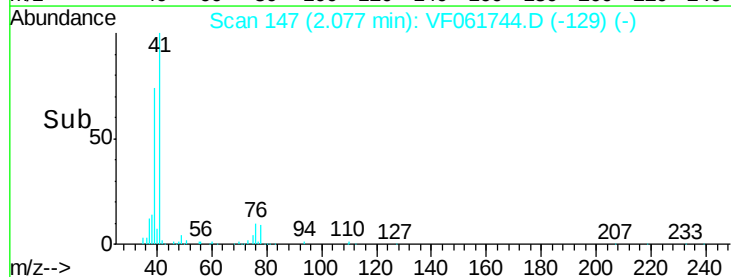
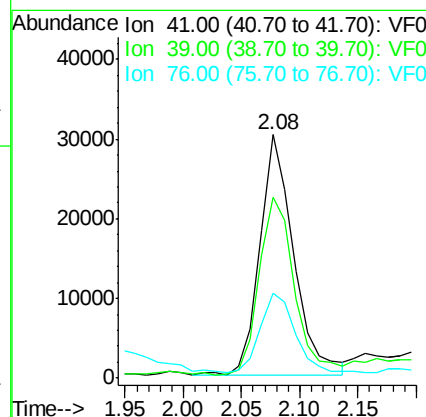
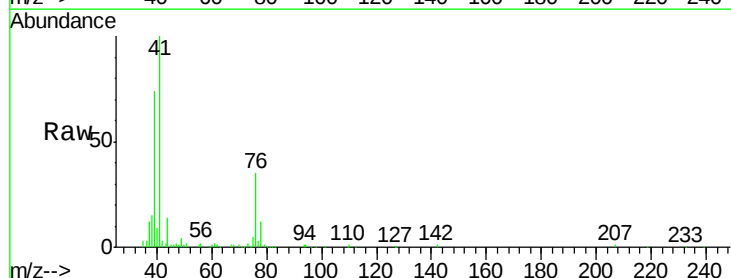
Manual Integrations
APPROVED

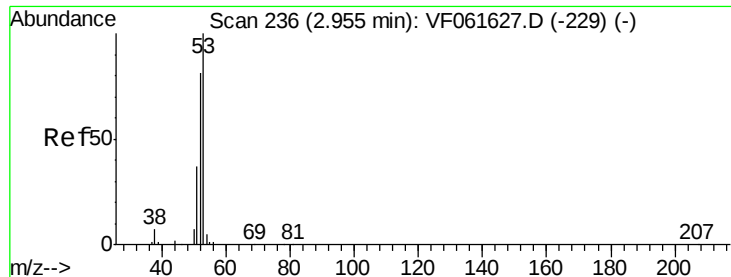
MMDadoda
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#14
Allyl chloride
Concen: 19.374 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 41 Resp: 60729
Ion Ratio Lower Upper
41 100
39 74.1 61.6 92.4
76 35.1 30.3 45.5





#15

Acrylonitrile

Concen: 102.361 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

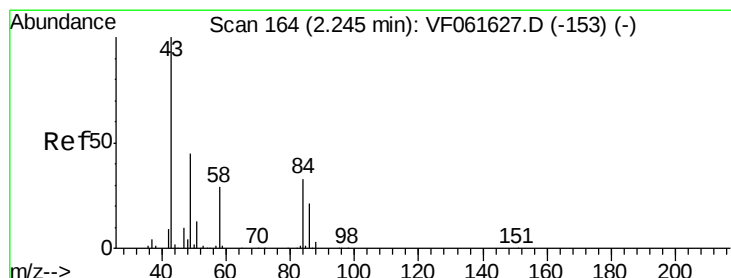
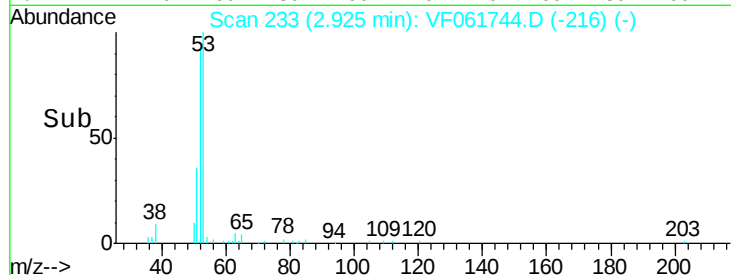
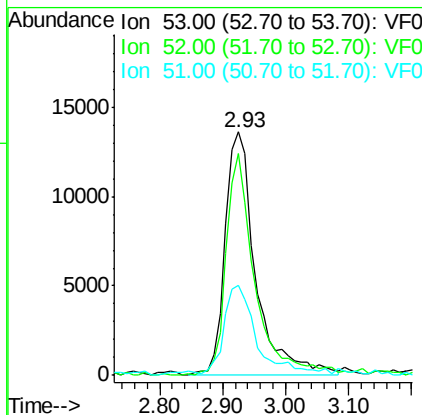
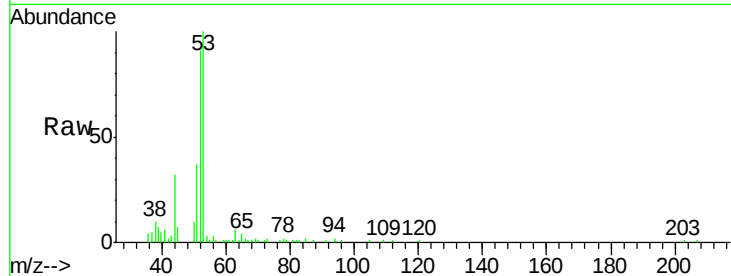
ClientSampleId :

VF0226SBS01

Tot Ion:	53	Resp:	45934
Ion	Ratio	Lower	Upper
53	100		
52	91.2	64.6	97.0
51	36.7	29.8	44.8

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 108.402 ug/l

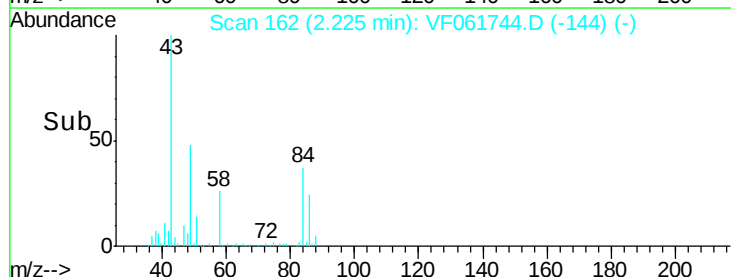
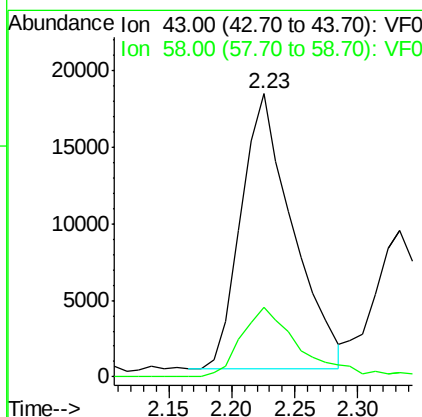
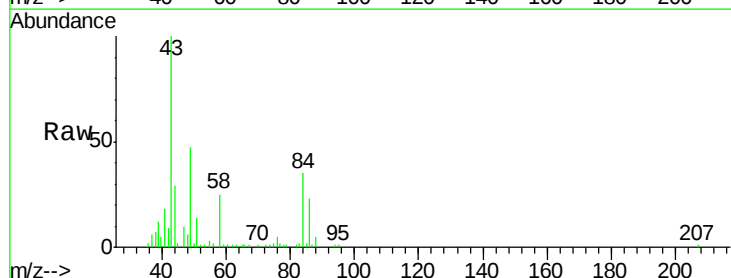
RT: 2.23 min Scan# 162

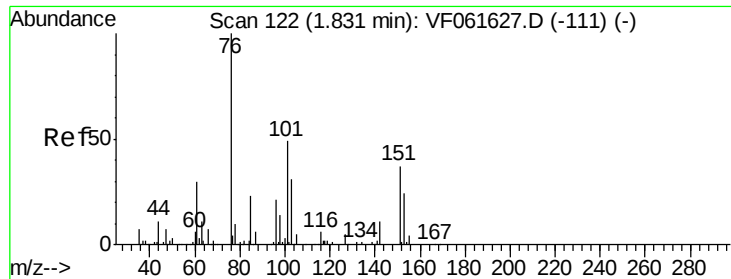
Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	43	Resp:	50843
Ion	Ratio	Lower	Upper
43	100		
58	24.6	22.9	34.3





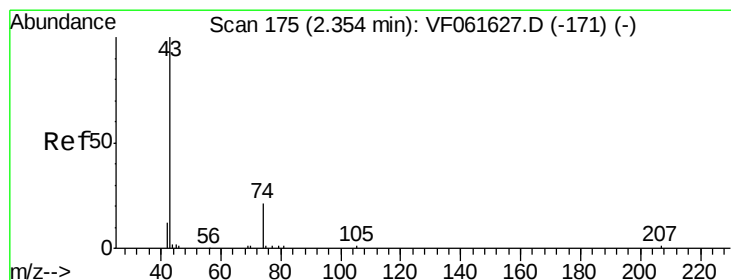
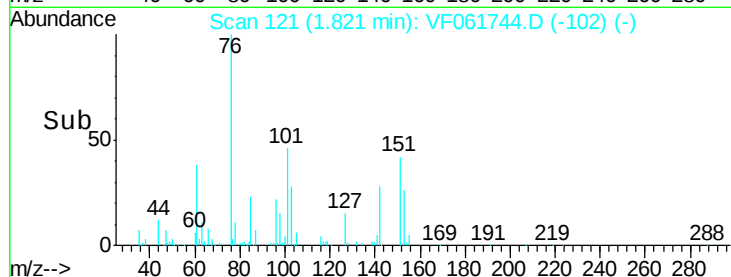
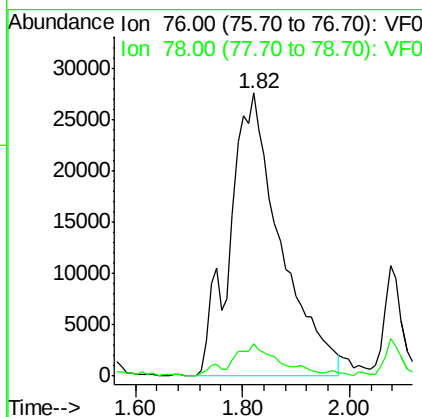
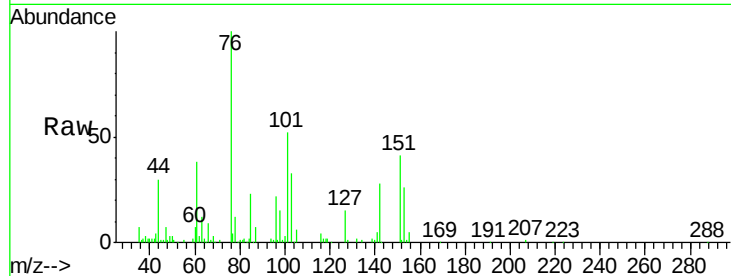
#17
Carbon Disulfide
Concen: 22.604 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion: 76 Resp: 181499
Ion Ratio Lower Upper
76 100
78 11.5 7.9 11.9

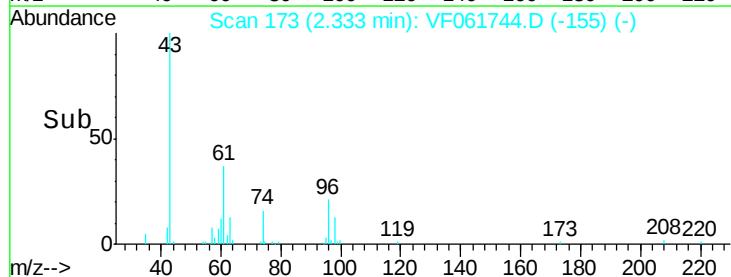
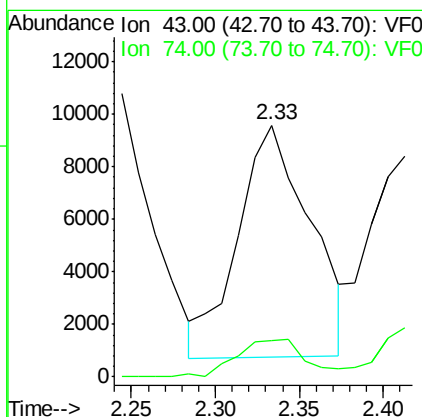
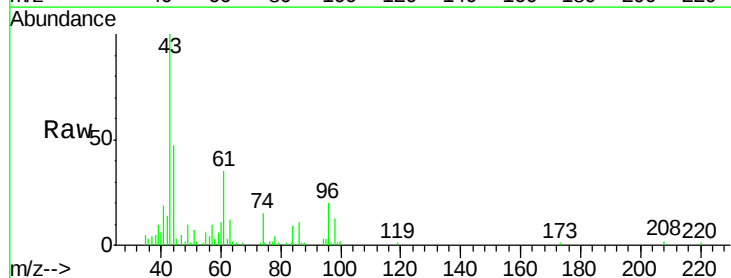
Manual Integrations
APPROVED

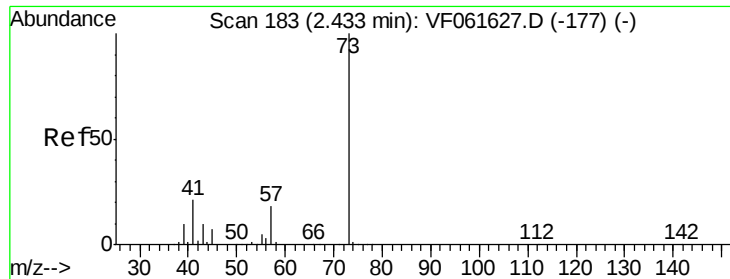
MMDadoda
2/27/2019 3:19:28 PM



#18
Methyl Acetate
Concen: 24.876 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 43 Resp: 26284
Ion Ratio Lower Upper
43 100
74 14.6 14.6 21.8





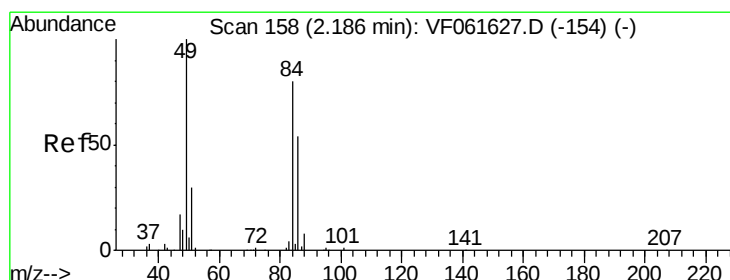
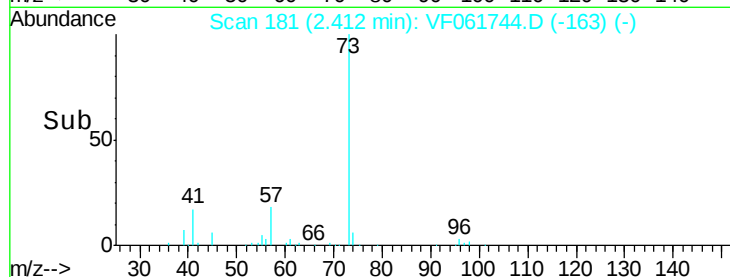
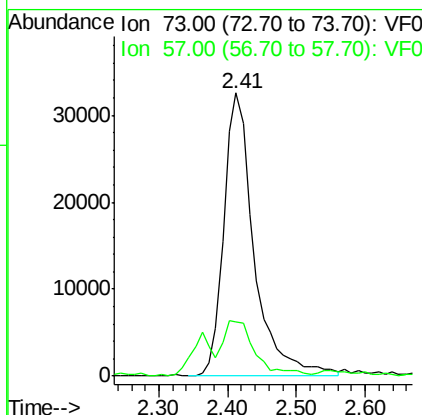
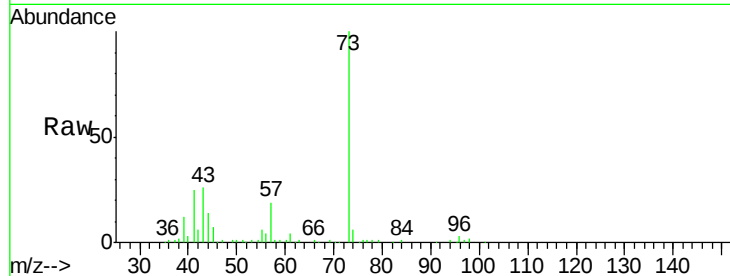
#19
Methvl tert-butvl Ether
Concen: 22.848 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion: 73 Resp: 99746
Ion Ratio Lower Upper
73 100
57 19.0 15.8 23.8

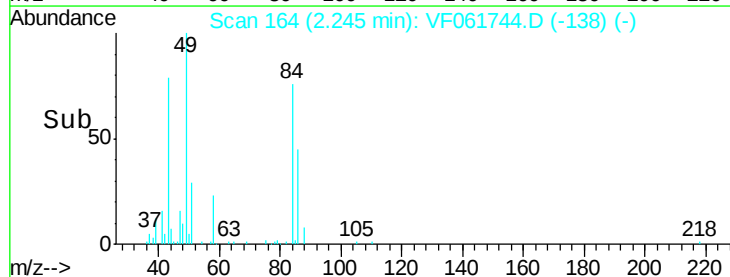
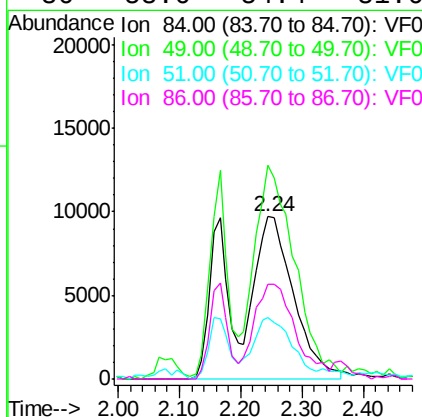
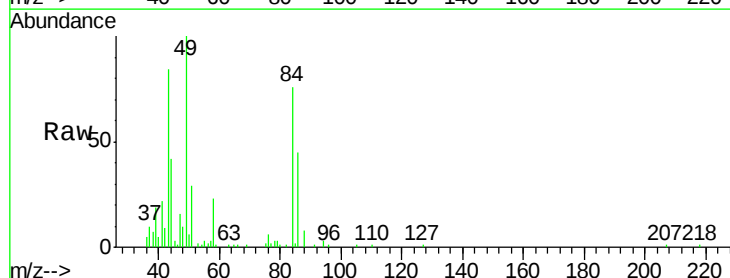
Manual Integrations
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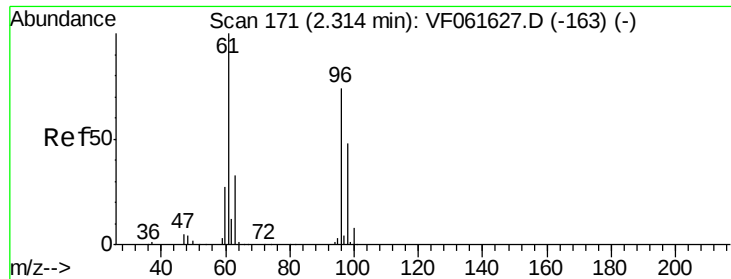
MMDadoda
2/27/2019 3:19:28 PM



#20
Methylene Chloride
Concen: 24.148 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. 0.06 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 84 Resp: 63966
Ion Ratio Lower Upper
84 100
49 131.5 101.8 152.8
51 38.1 31.1 46.7
86 58.6 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 17.746 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

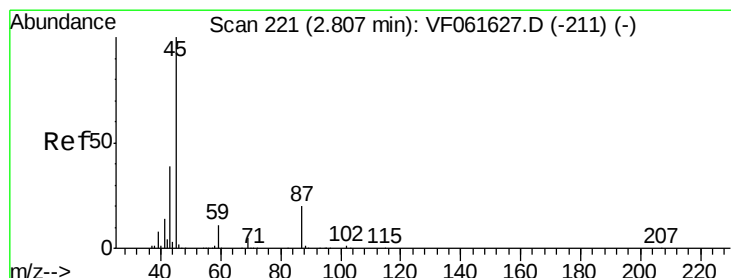
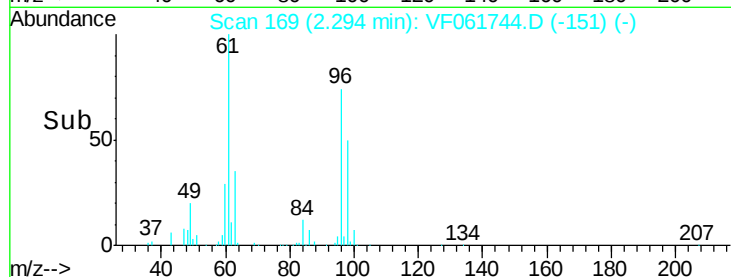
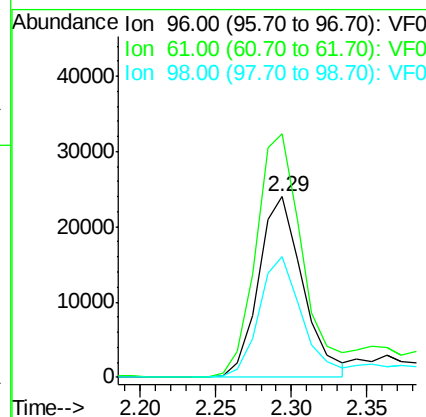
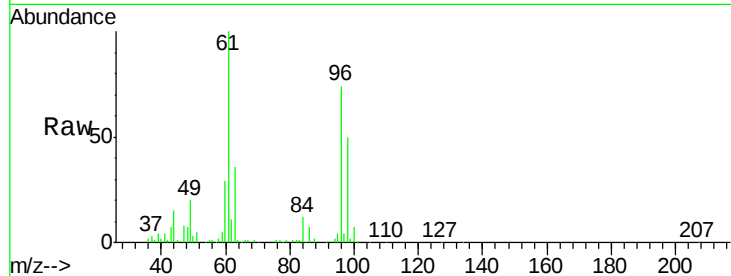
ClientSampleId :

VF0226SBS01

Tot Ion:	96	Resp:	49277
Ion	Ratio	Lower	Upper
96	100		
61	134.6	108.2	162.4
98	67.0	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.420 ug/l

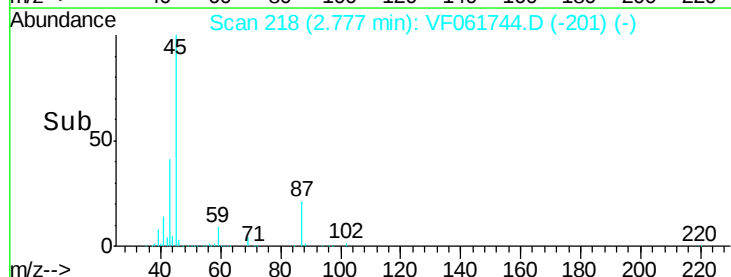
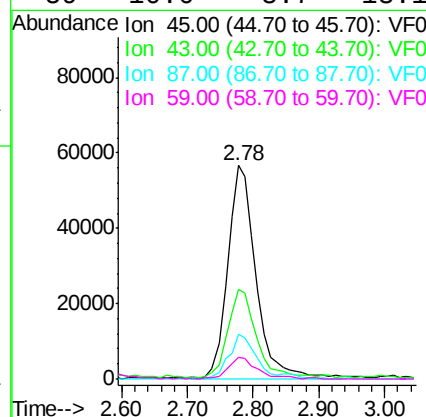
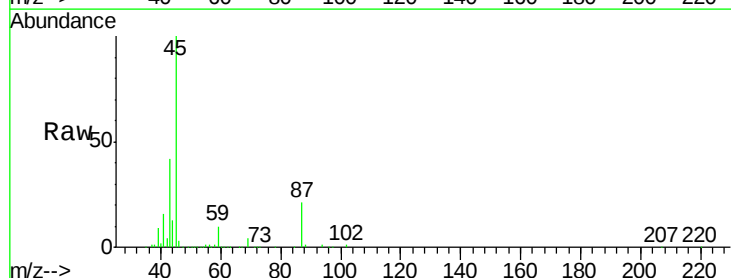
RT: 2.78 min Scan# 218

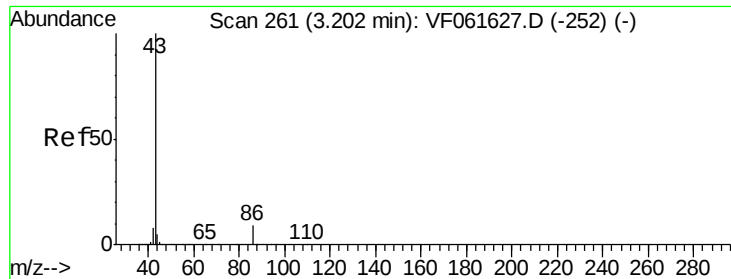
Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	45	Resp:	168697
Ion	Ratio	Lower	Upper
45	100		
43	42.1	31.4	47.2
87	21.1	16.3	24.5
59	10.0	8.7	13.1





#23

Vinyl Acetate

Concen: 101.211 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 43 Resp: 371957

Ion Ratio Lower Upper

43 100

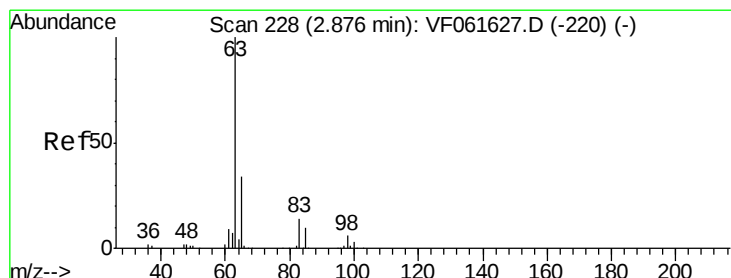
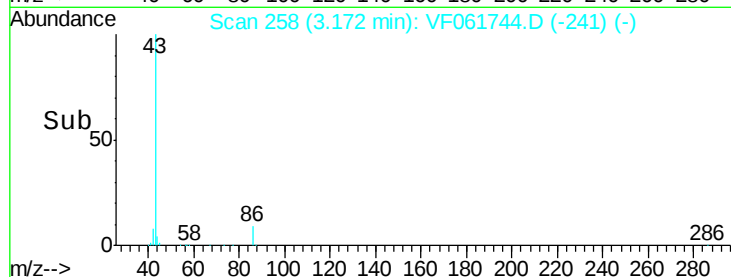
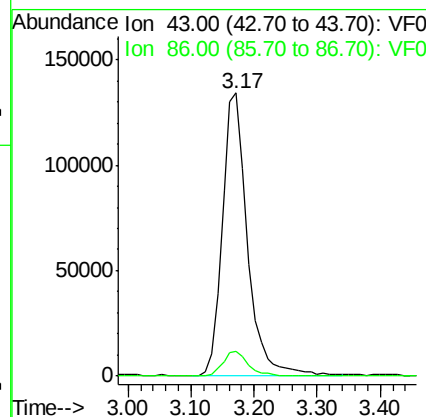
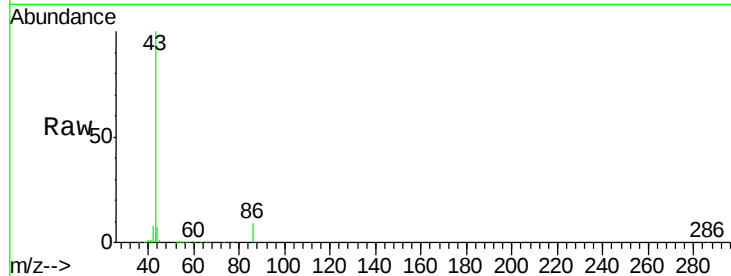
86 9.0 7.5 11.3

Manual Integrations

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MMDadoda

2/27/2019 3:19:28 PM



#24

1,1-Dichloroethane

Concen: 22.189 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

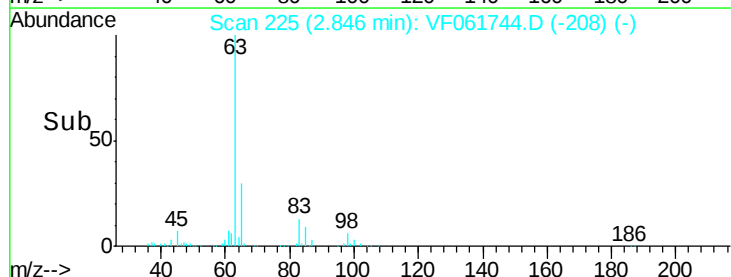
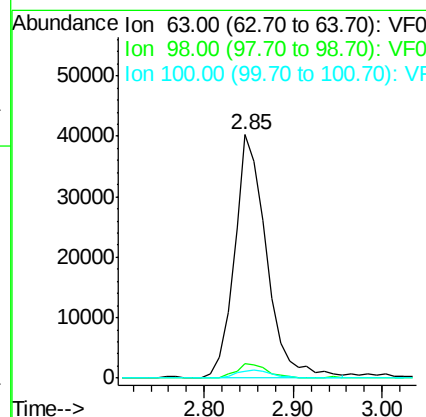
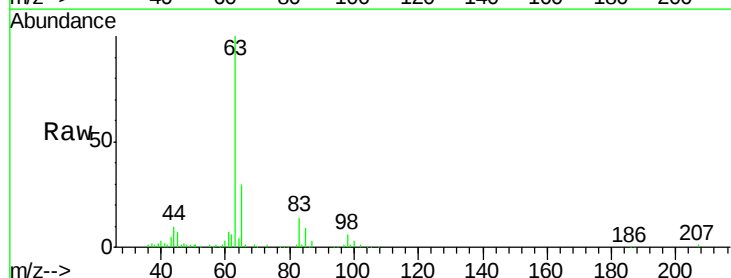
Tgt Ion: 63 Resp: 101034

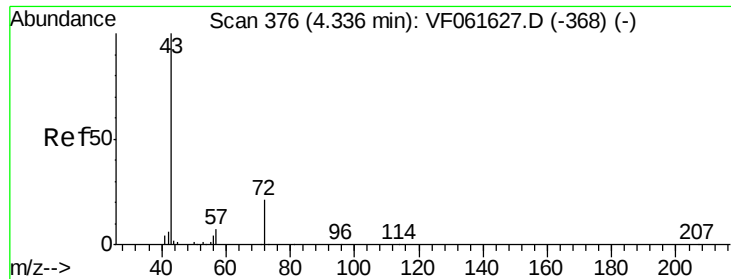
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

100 2.8 1.8 5.4





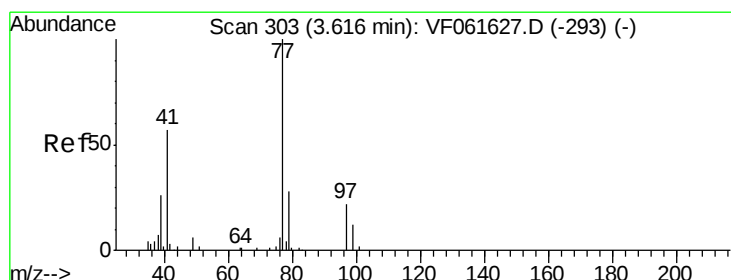
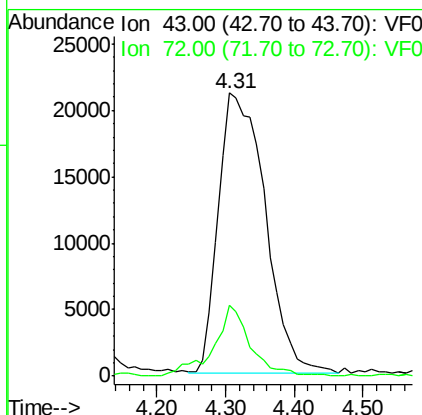
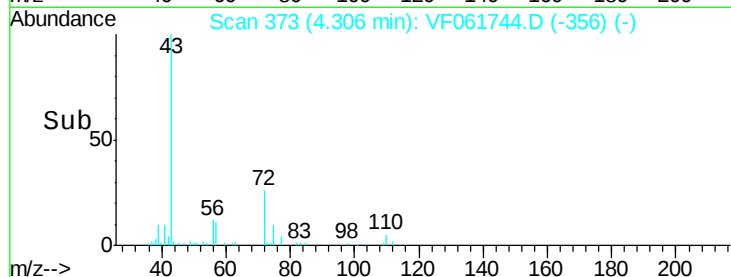
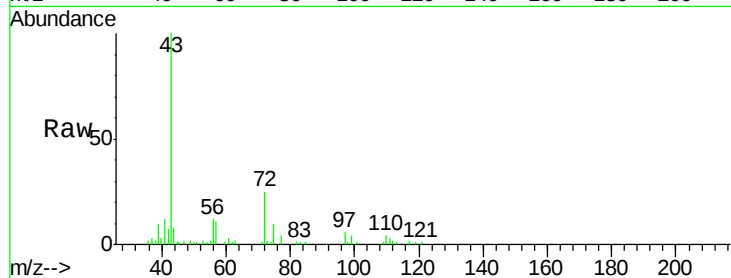
#25
2-Butanone
Concen: 96.139 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion: 43 Resp: 98494
Ion Ratio Lower Upper
43 100
72 25.0 17.1 25.7

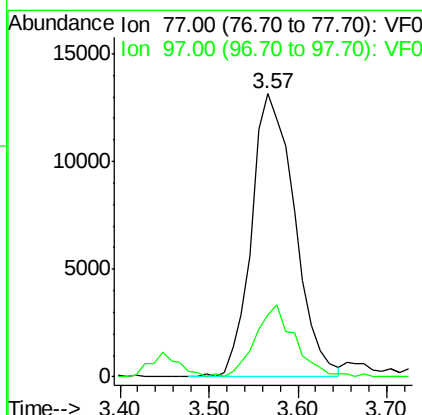
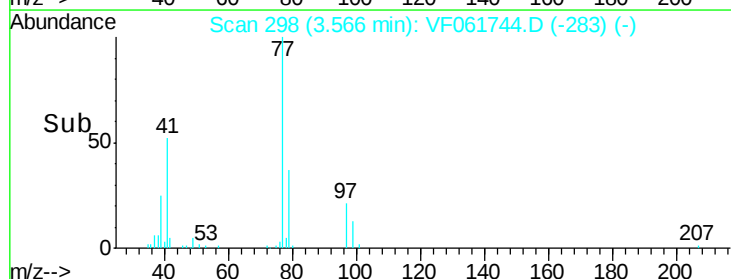
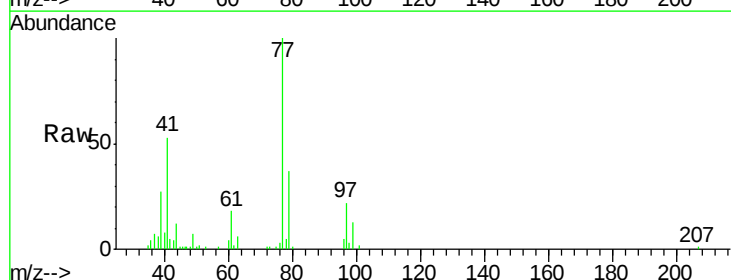
Manual Integrations
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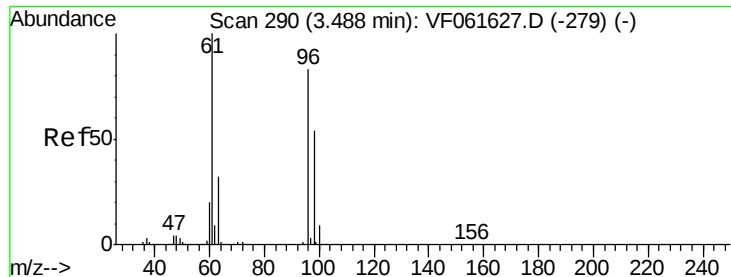
MMDadoda
2/27/2019 3:19:28 PM



#26
2,2-Dichloropropane
Concen: 22.845 ug/l
RT: 3.57 min Scan# 298
Delta R.T. -0.05 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 77 Resp: 44062
Ion Ratio Lower Upper
77 100
97 22.0 11.7 35.0





#27

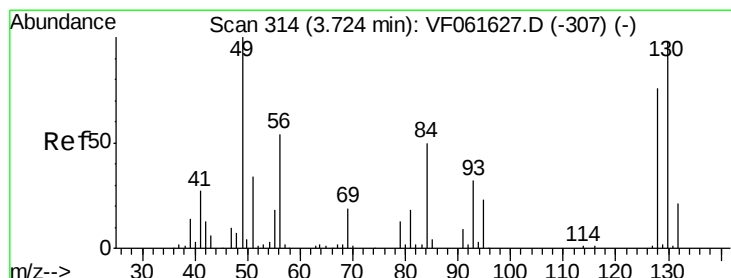
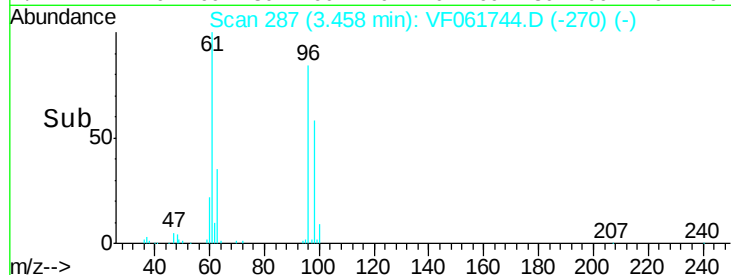
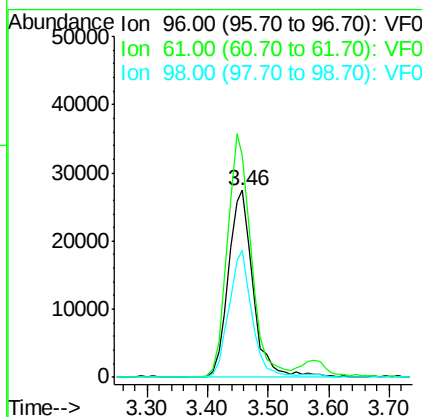
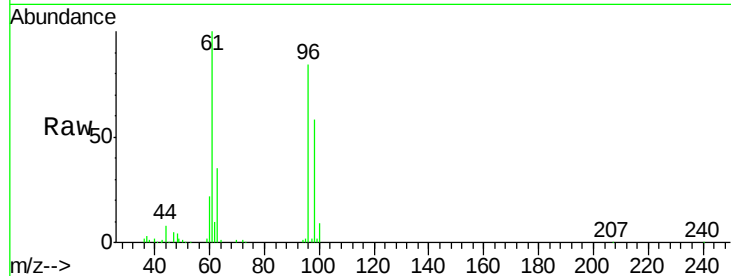
cis-1,2-Dichloroethene
 Concen: 21.281 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.03 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	118.6	0.0	241.6		
98	68.2	0.0	130.2		

Manual Integrations
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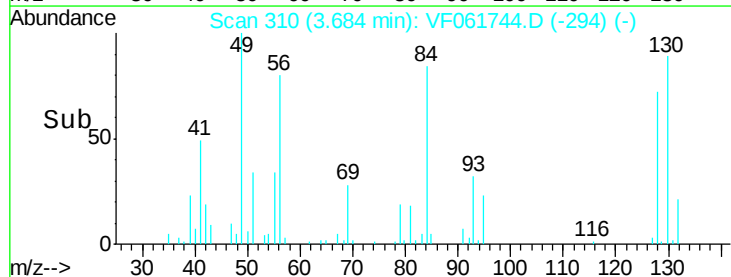
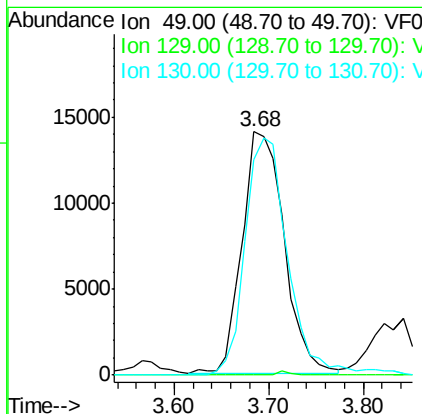
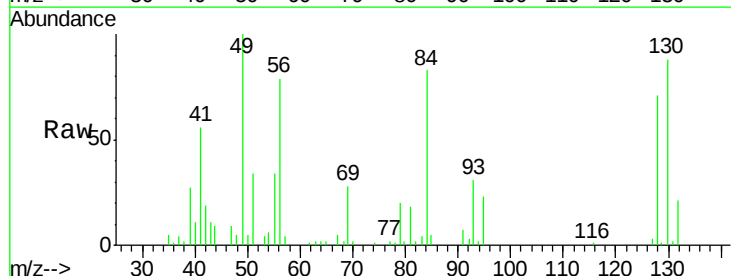
MMDadoda
 2/27/2019 3:19:28 PM

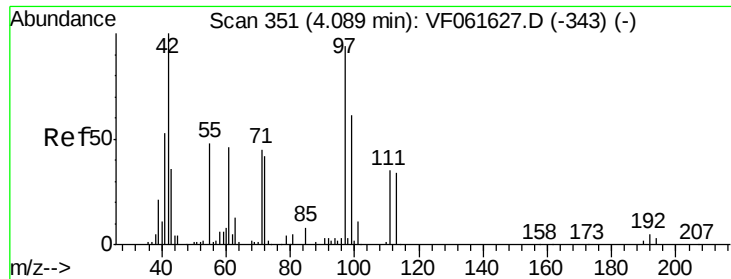


#28

Bromochloromethane
 Concen: 19.830 ug/l
 RT: 3.68 min Scan# 310
 Delta R.T. -0.04 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	0.0	0.0	3.4		
130	88.5	77.7	116.5		





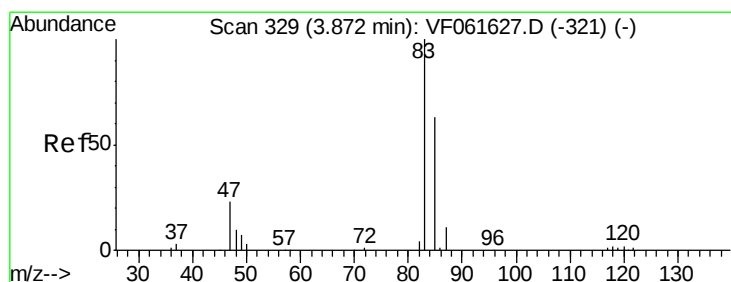
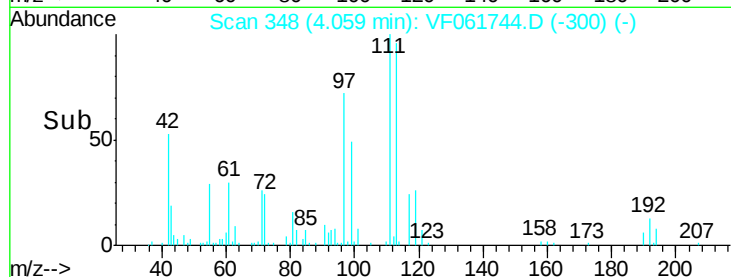
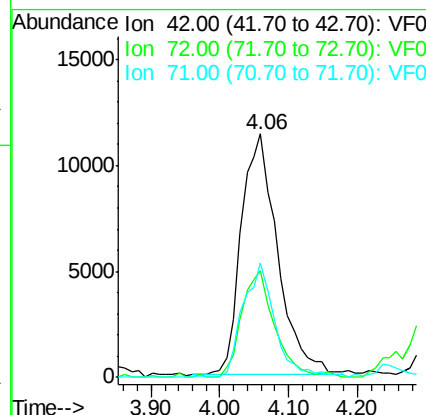
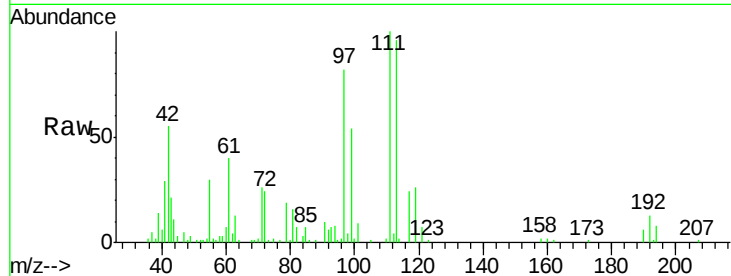
#29
Tetrahydrofuran
Concen: 89.352 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	35.2	52.8
71	42.1	32.9	49.3

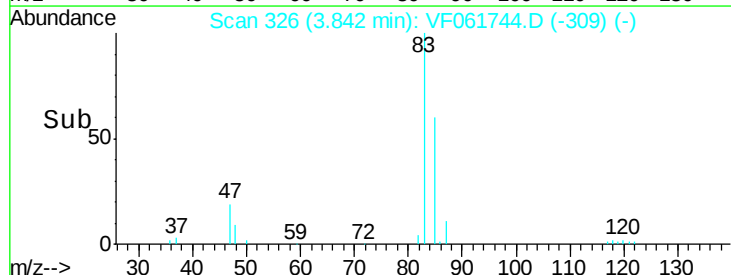
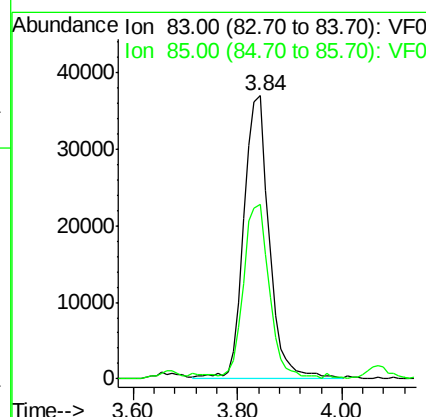
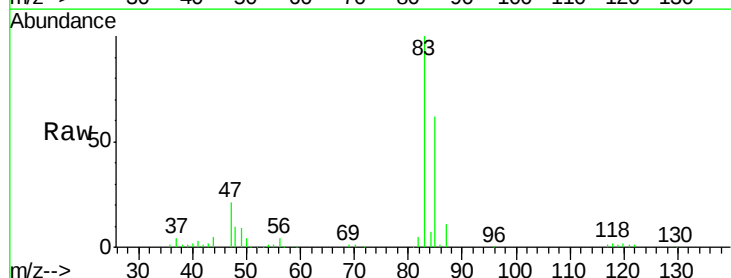
Manual Integrations
APPROVED

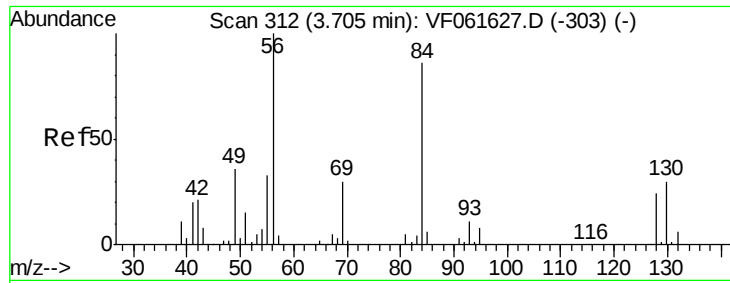
MMDadoda
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#30
Chloroform
Concen: 23.439 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.1	76.7





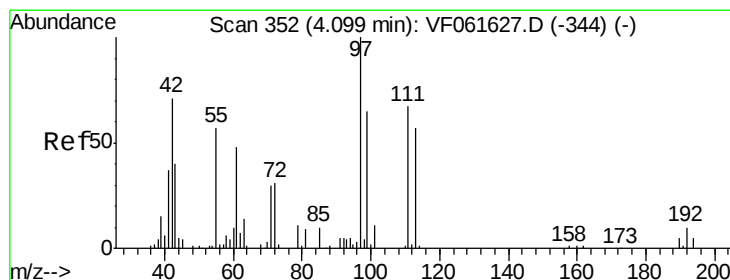
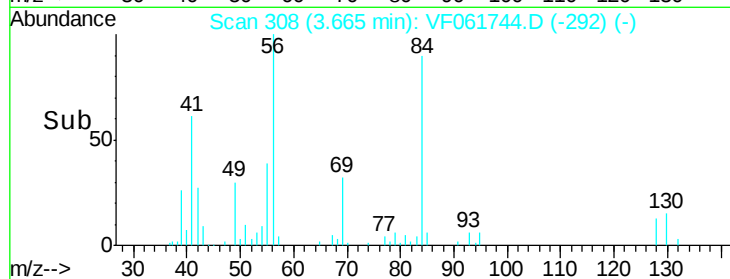
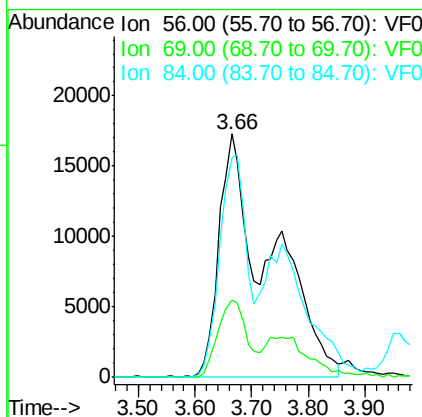
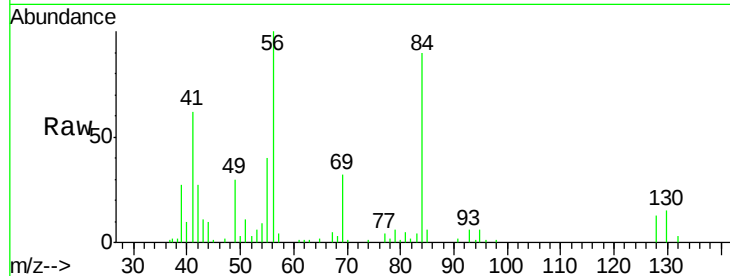
#31
Cyclohexane
Concen: 21.859 ug/l m
RT: 3.66 min Scan# 308
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.8	35.8
84	90.0	68.6	103.0

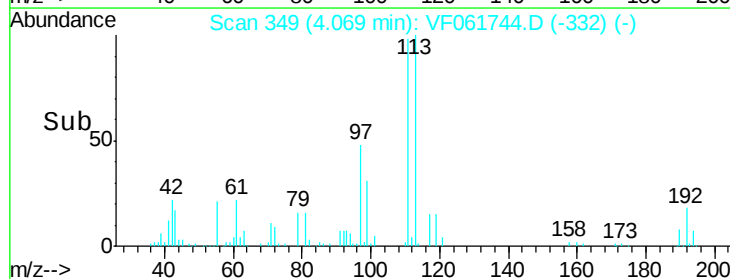
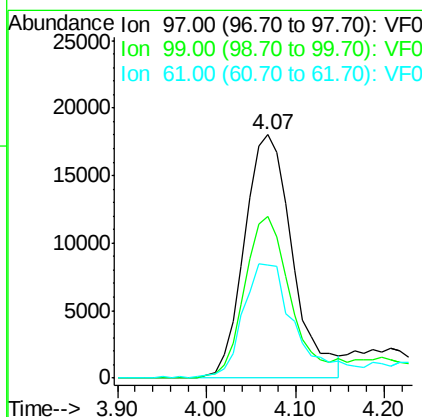
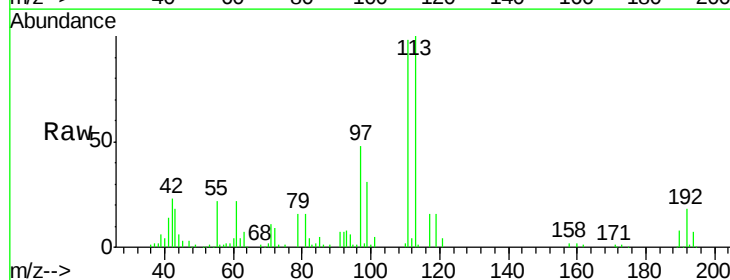
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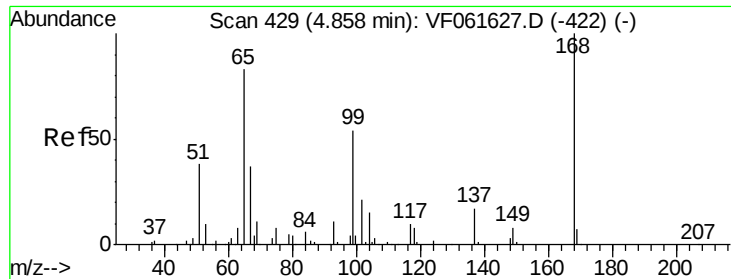
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#32
1,1,1-Trichloroethane
Concen: 19.850 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.2	78.2
61	46.4	39.2	58.8





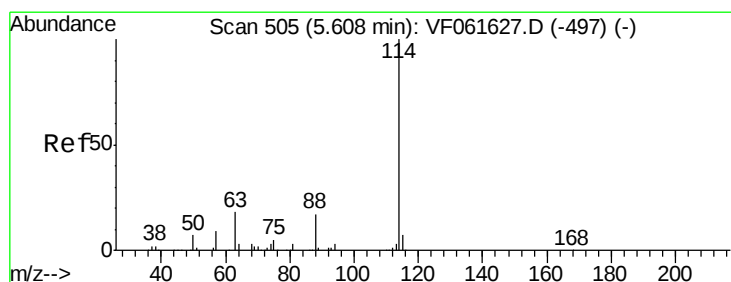
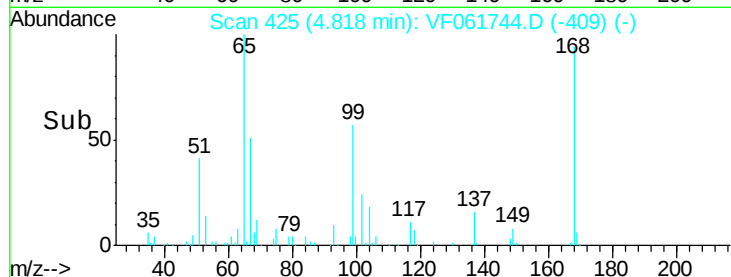
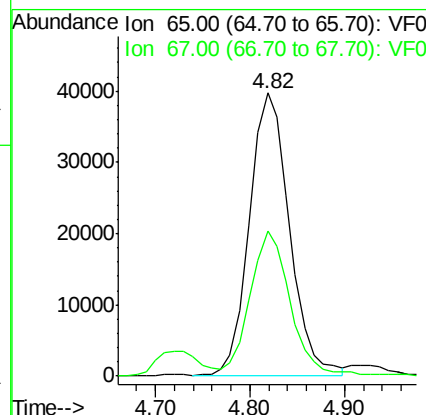
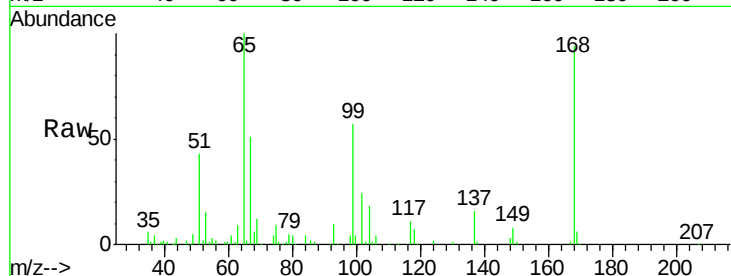
#33
 1,2-Dichloroethane-d4
 Concen: 53.315 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	116548		
67	51.2	0.0	104.0	

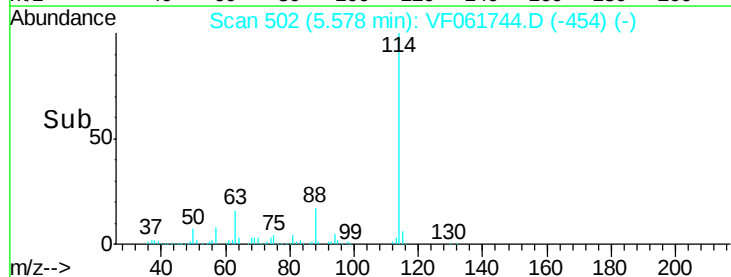
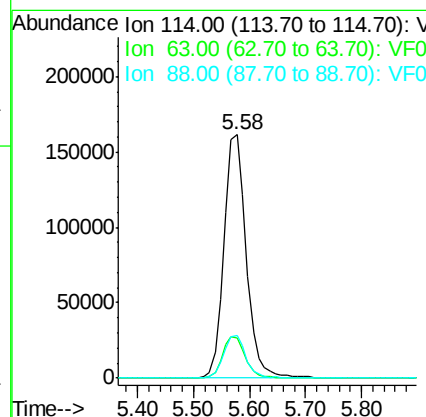
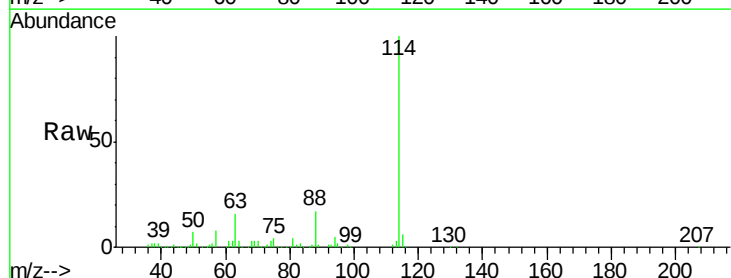
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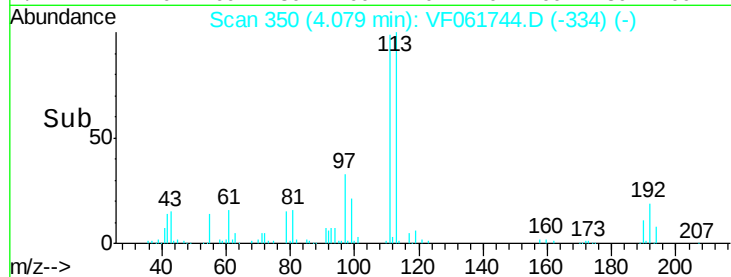
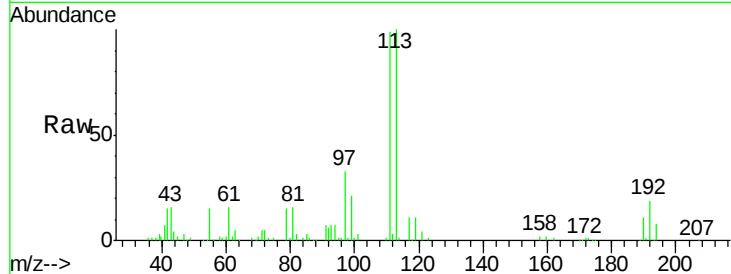
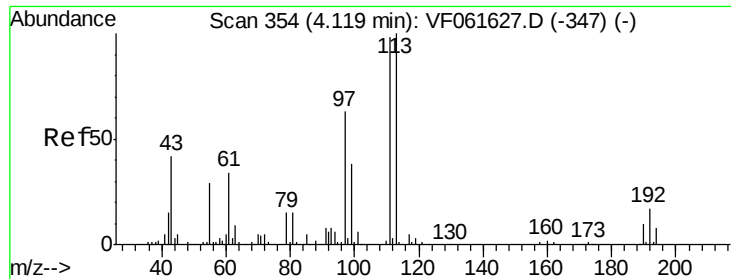
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450555		
63	16.5	0.0	36.6	
88	17.4	0.0	34.4	





#35

Dibromofluoromethane

Concen: 50.805 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061744.D

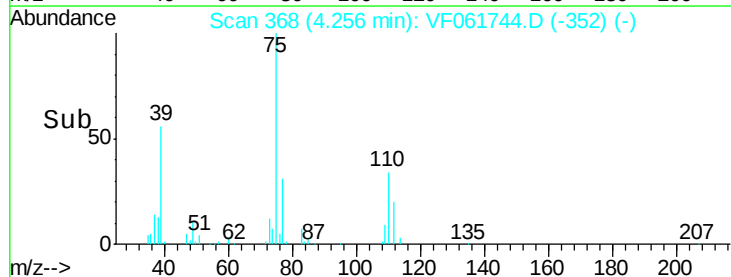
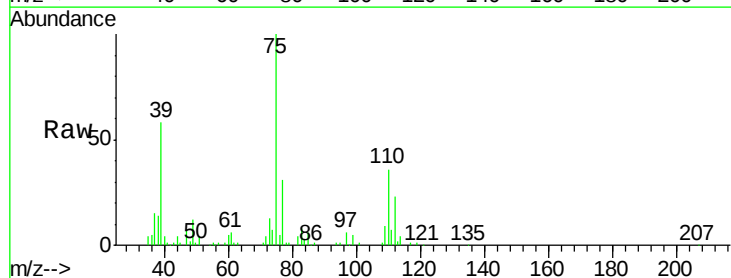
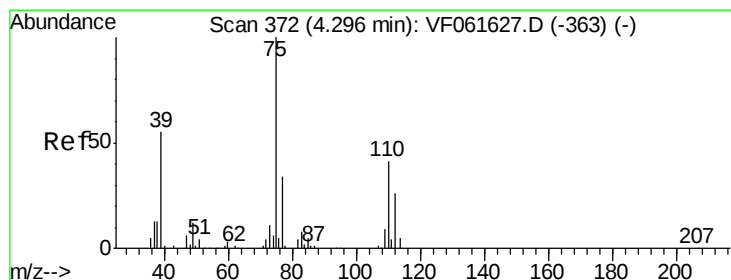
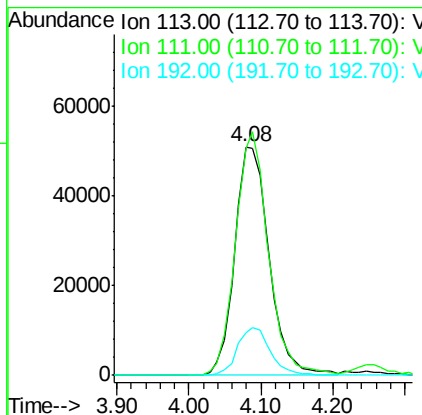
Acq: 26 Feb 2019 16:06

Tot Ion:	113	Resp:	169985
Ion Ratio	Lower	Upper	
113	100		
111	99.4	78.8	118.2
192	18.5	13.4	20.0

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

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#36

1,1-Dichloropropene

Concen: 20.390 ug/l

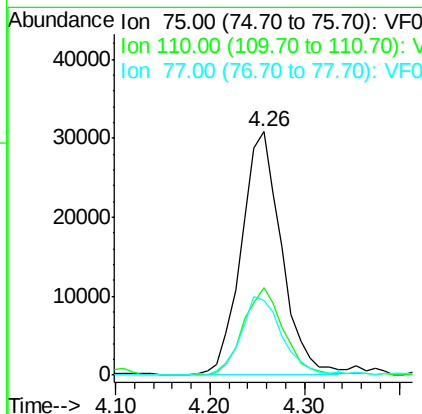
RT: 4.26 min Scan# 368

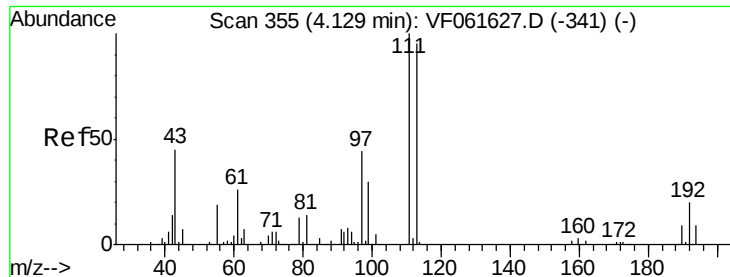
Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	75	Resp:	91005
Ion Ratio	Lower	Upper	
75	100		
110	36.0	20.5	61.6
77	30.7	27.0	40.4





#37

Ethyl Acetate

Concen: 16.920 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

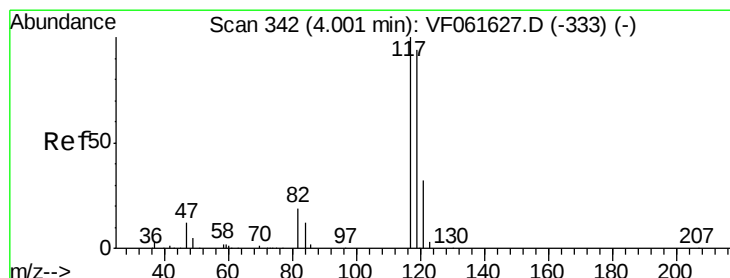
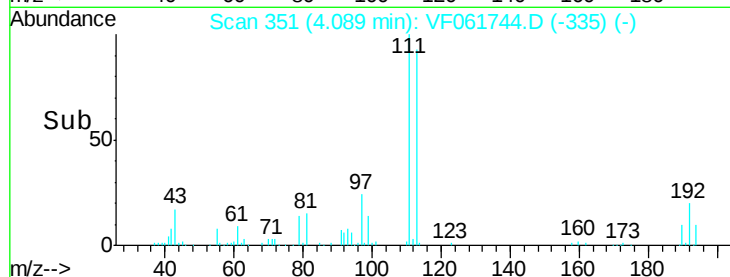
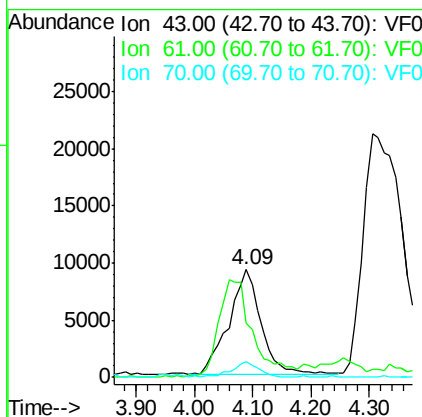
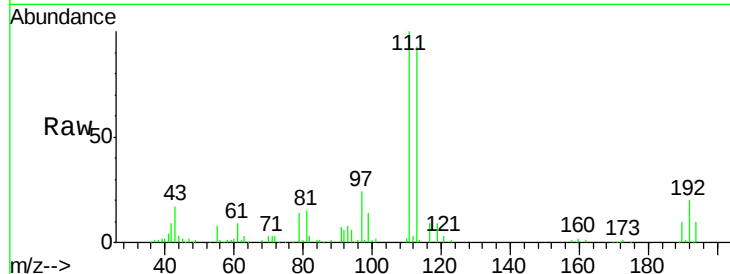
ClientSampleId :

VF0226SBSD01

Tot Ion:	43	Resp:	35077
Ion	Ratio	Lower	Upper
43	100		
61	50.8	45.7	68.5
70	14.5	8.5	12.7#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.102 ug/l

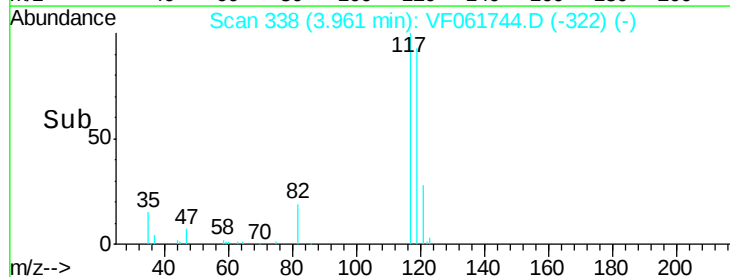
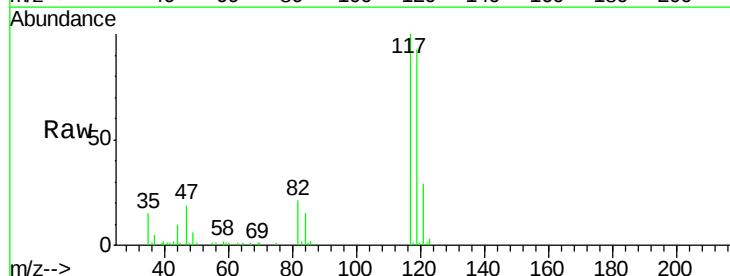
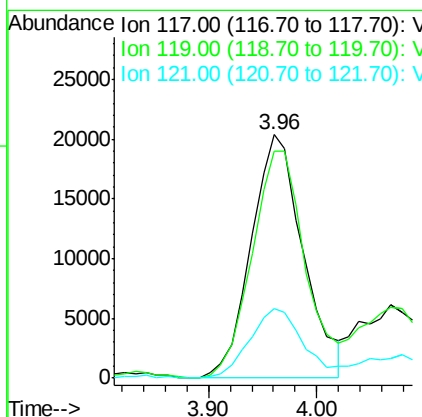
RT: 3.96 min Scan# 338

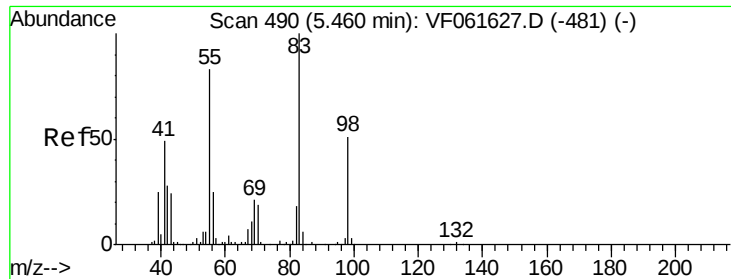
Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	117	Resp:	68118
Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.6	113.4
121	28.6	25.2	37.8





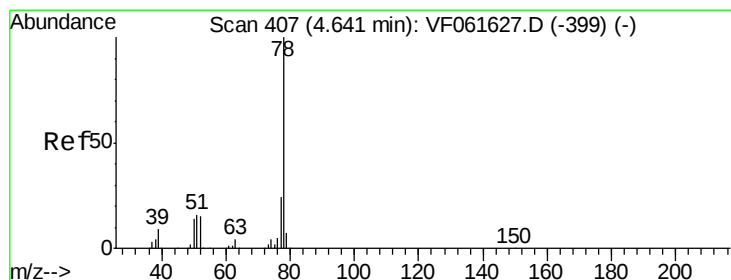
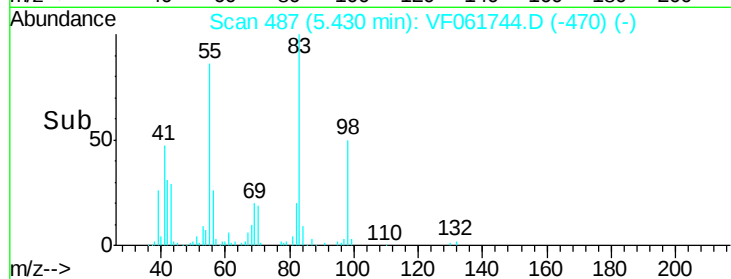
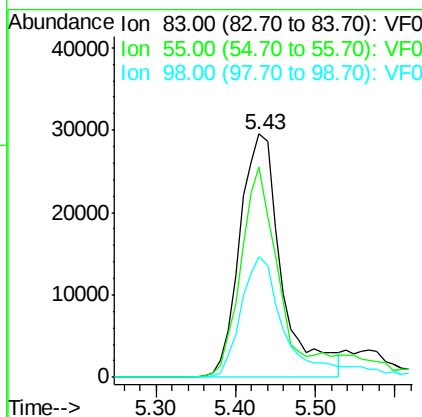
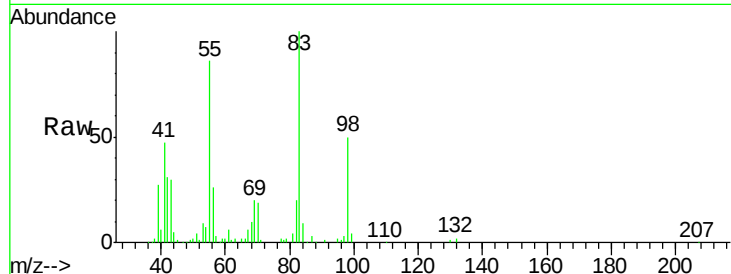
#39
Methvlcvclohexane
Concen: 20.296 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	86.2	66.6	99.8	
98	49.7	40.4	60.6	

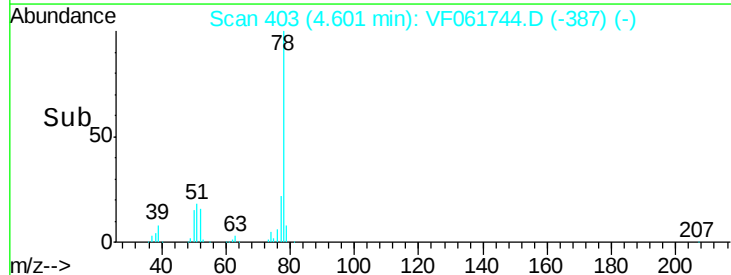
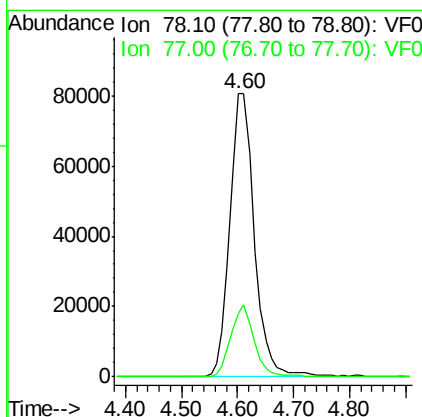
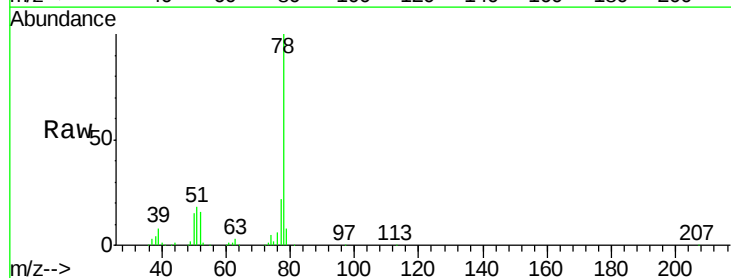
Manual Integrations
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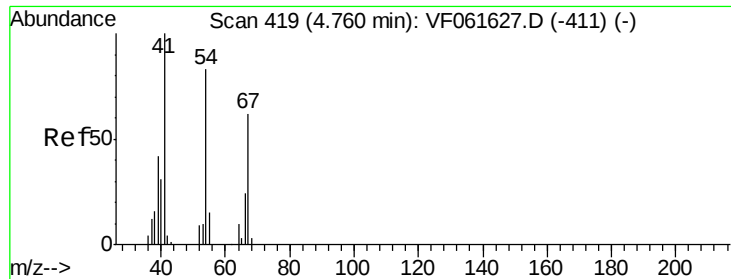
MMDadoda
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#40
Benzene
Concen: 21.052 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.4	19.0	28.6	





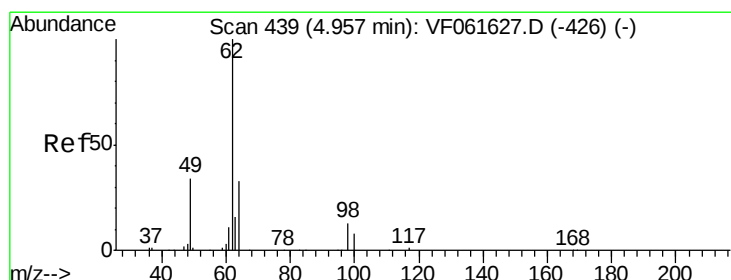
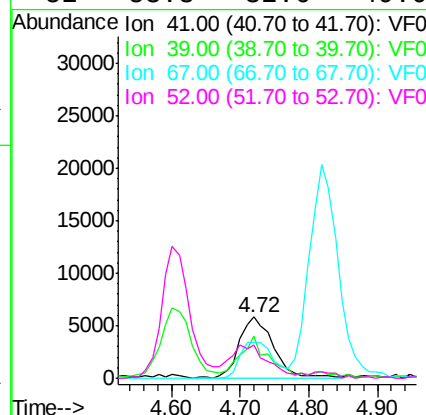
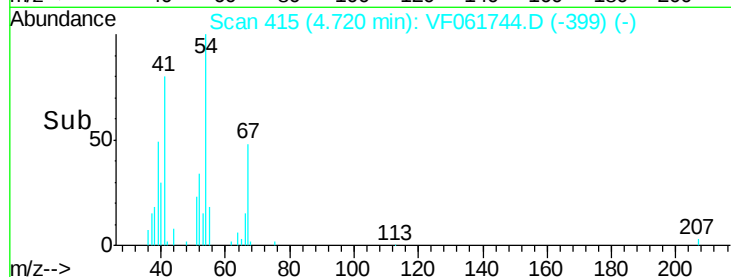
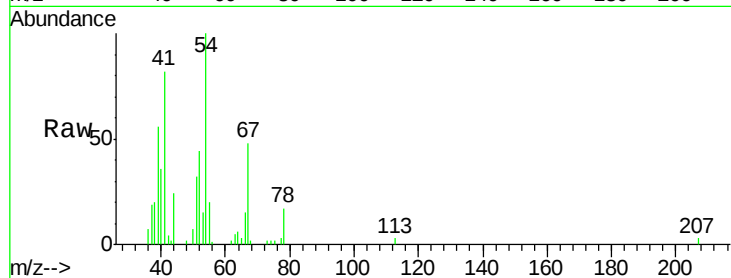
#41
Methacrylonitrile
Concen: 19.341 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		20505		
39	68.6	45.3	67.9#		
67	58.7	49.3	73.9		
52	53.3	32.6	49.0#		

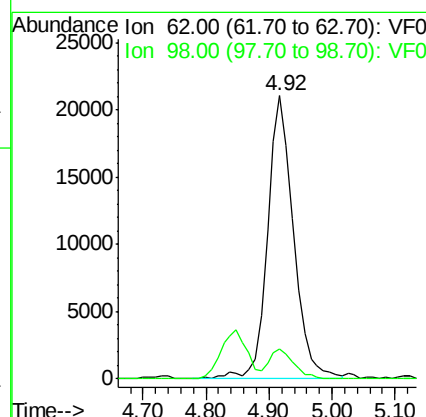
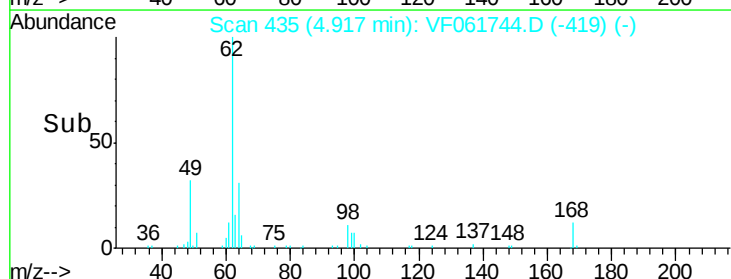
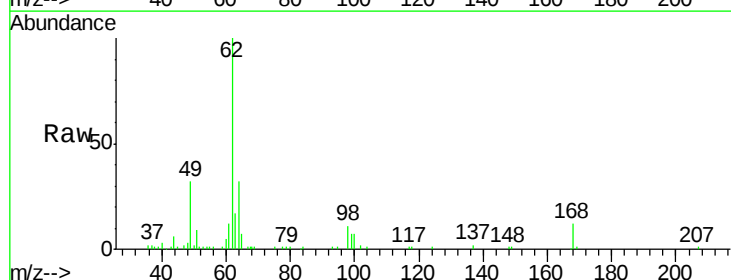
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 21.532 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		60130		
98	10.5	0.0	26.0		





#43

Isopropyl Acetate

Concen: 18.426 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

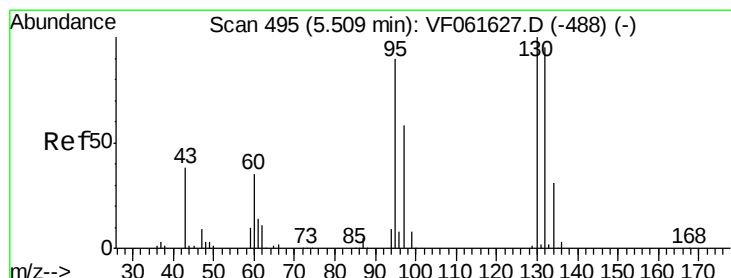
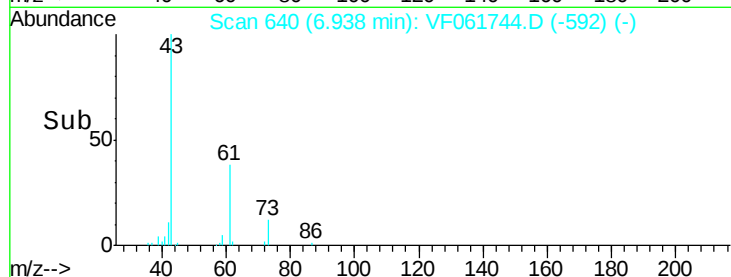
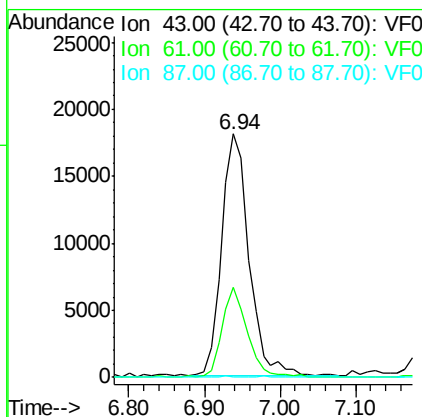
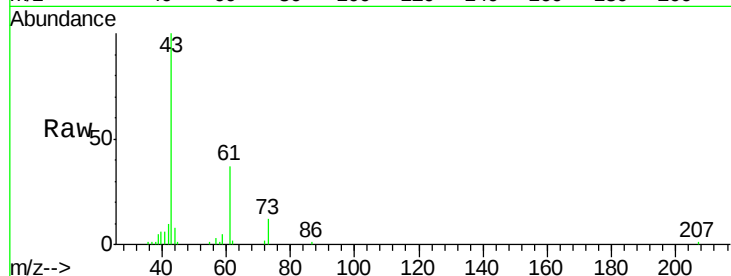
ClientSampleId :

VF0226SBS01

Tot Ion:	43	Resp:	45216
Ion Ratio	Lower	Upper	
43	100		
61	37.2	25.8	38.6
87	0.0	0.4	0.6

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#44

Trichloroethene

Concen: 20.676 ug/l

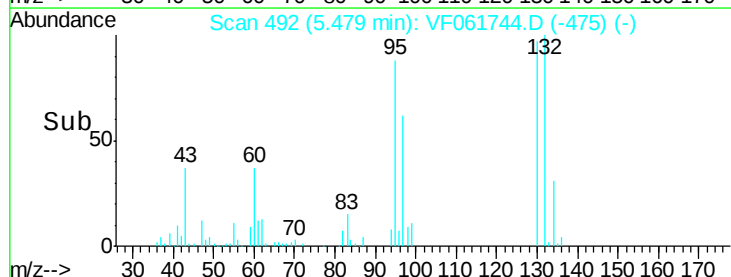
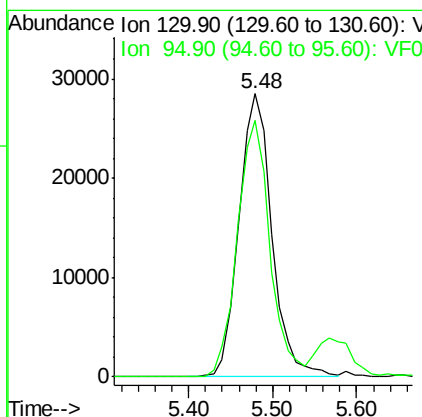
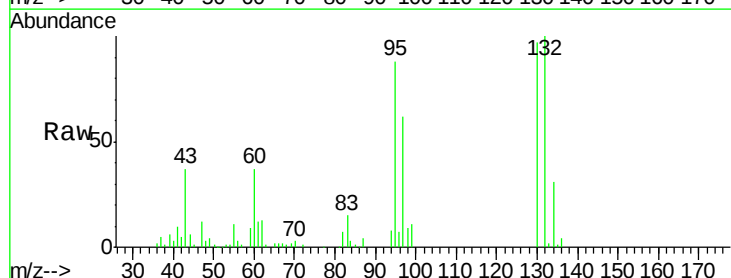
RT: 5.48 min Scan# 492

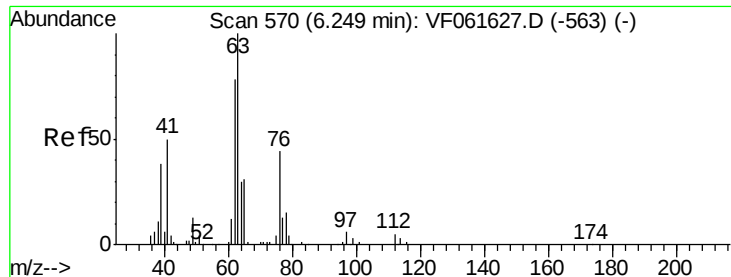
Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	130	Resp:	78056
Ion Ratio	Lower	Upper	
130	100		
95	90.6	0.0	179.4





#45

1,2-Dichloropropane

Concen: 20.569 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBSD01

Tot Ion: 63 Resp: 58045

Ion Ratio Lower Upper

63 100

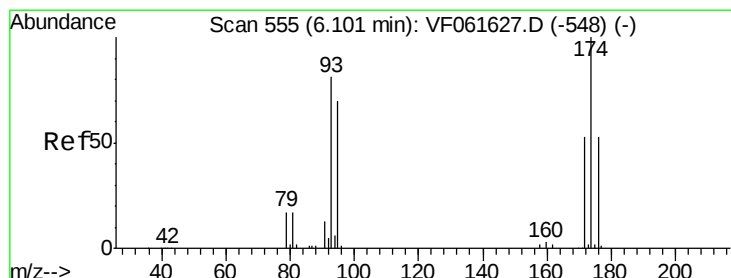
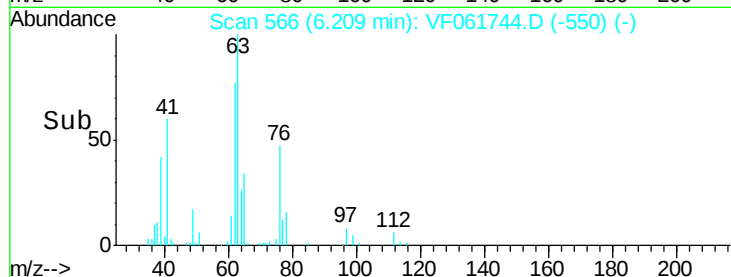
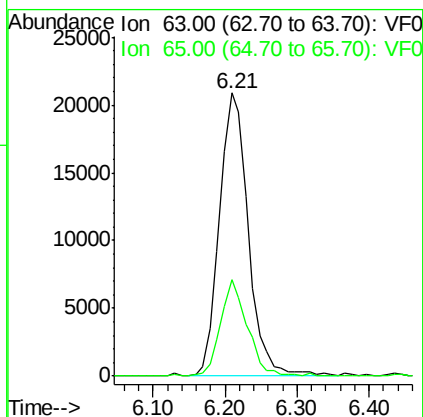
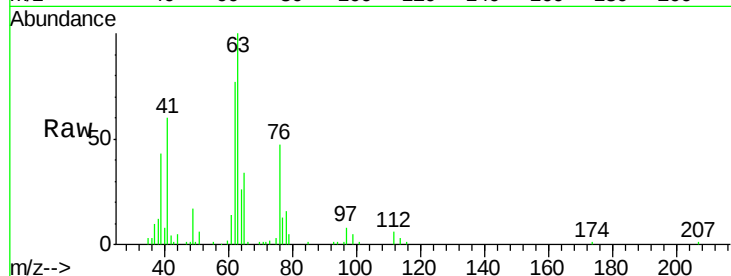
65 34.0 24.9 37.3

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#46

Dibromomethane

Concen: 20.678 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

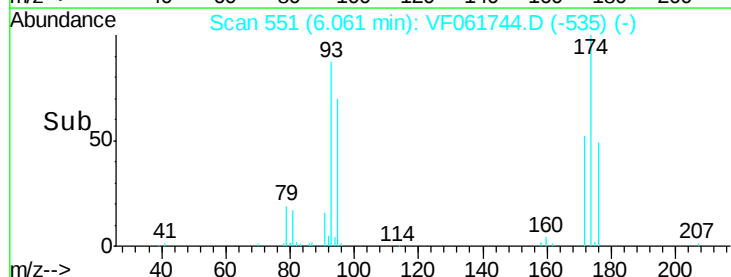
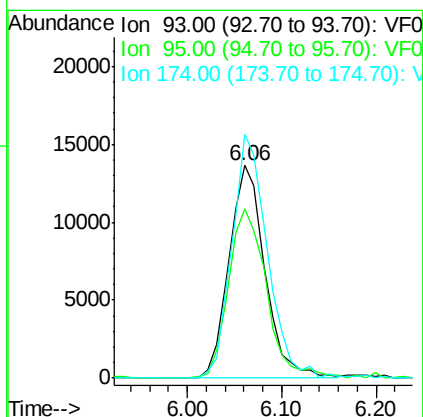
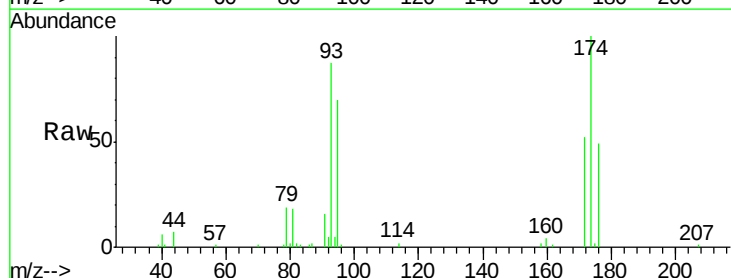
Tgt Ion: 93 Resp: 35928

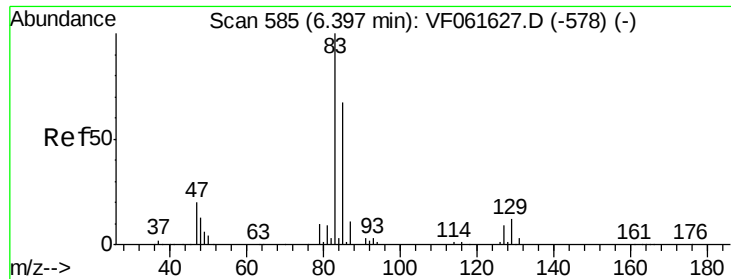
Ion Ratio Lower Upper

93 100

95 79.6 69.0 103.6

174 114.4 99.3 148.9





#47

Bromodichloromethane

Concen: 21.905 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

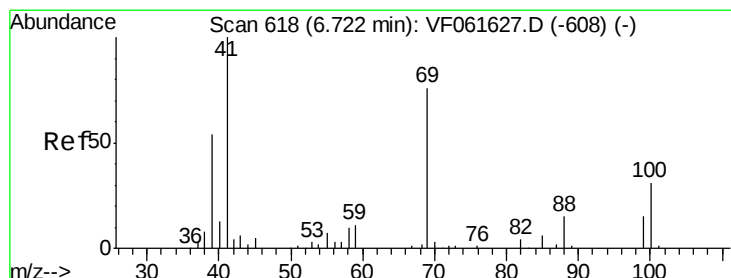
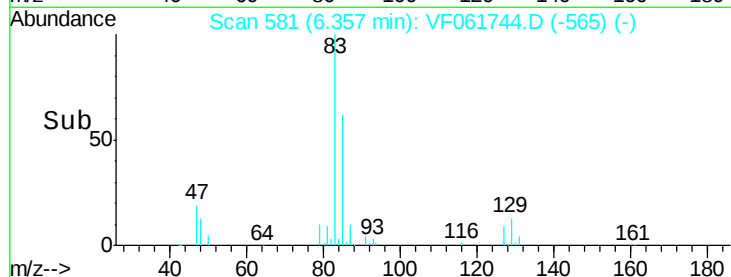
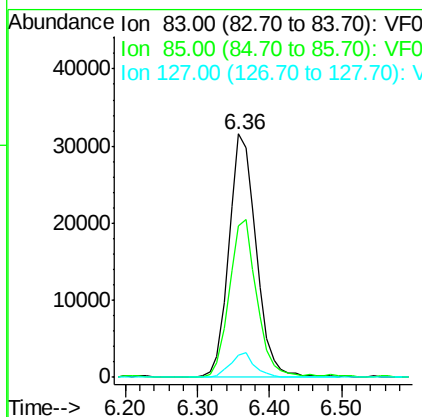
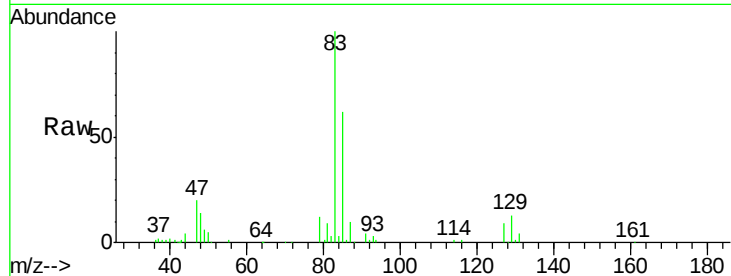
ClientSampleId :

VF0226SBS01

Tot Ion:	83	Resp:	83347
Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.4	80.2
127	9.2	7.5	11.3

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#48

Methyl methacrylate

Concen: 19.514 ug/l

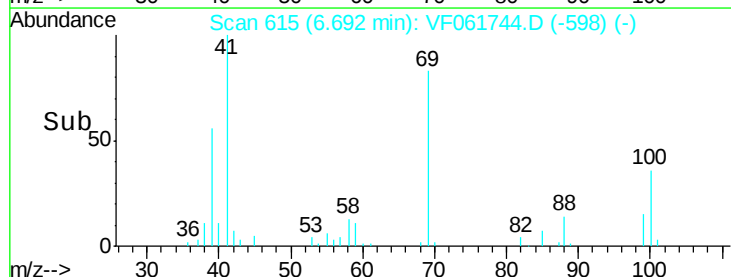
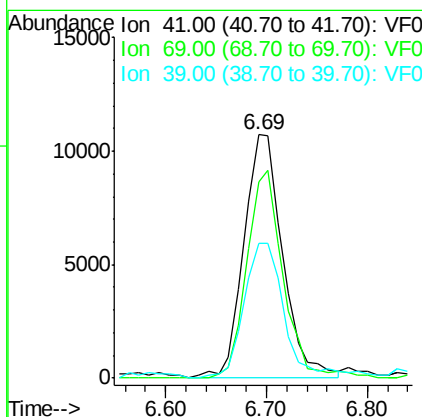
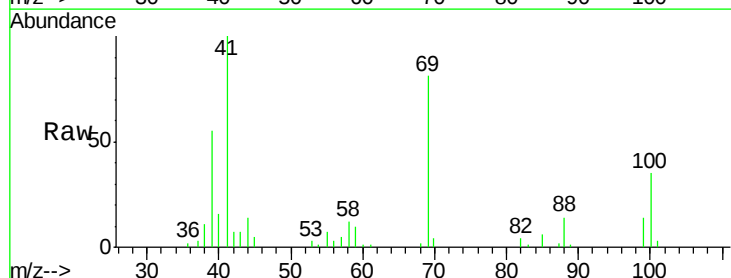
RT: 6.69 min Scan# 615

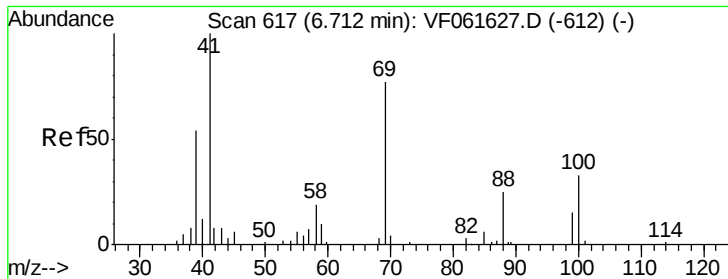
Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	41	Resp:	28817
Ion	Ratio	Lower	Upper
41	100		
69	80.5	60.4	90.6
39	55.5	43.7	65.5





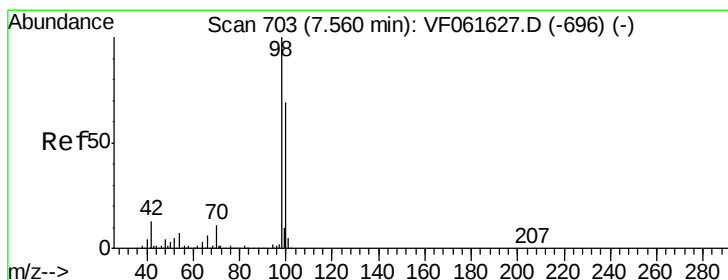
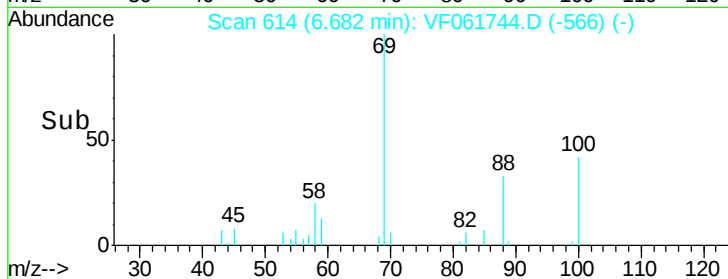
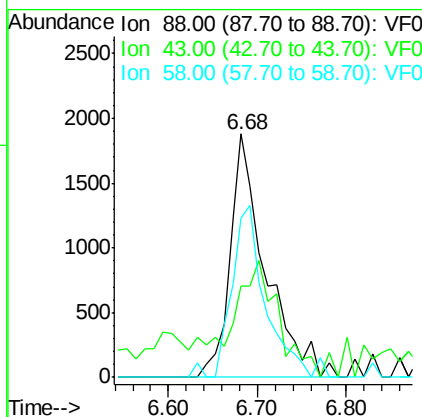
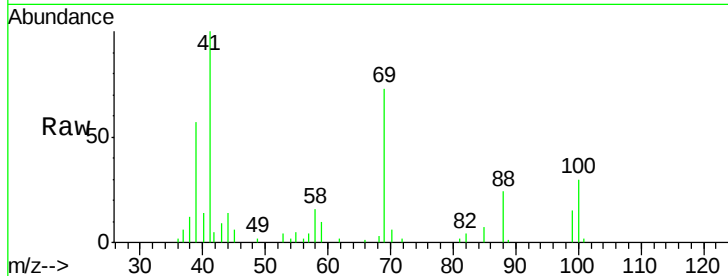
#49
1,4-Dioxane
Concen: 377.108 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	5235		
43	37.5		32.3	48.5
58	65.2		59.4	89.2

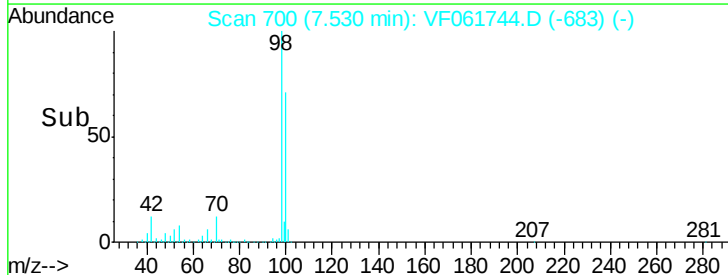
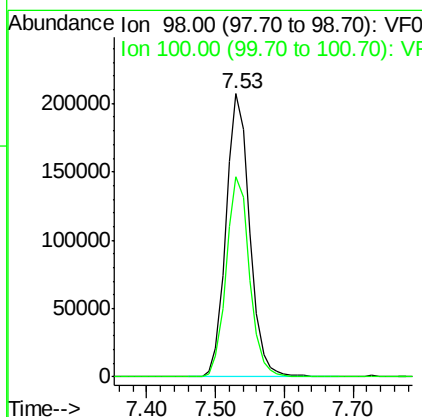
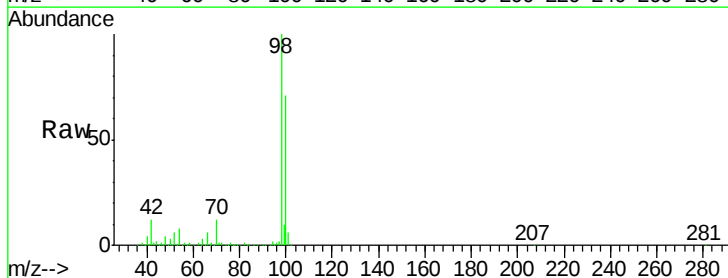
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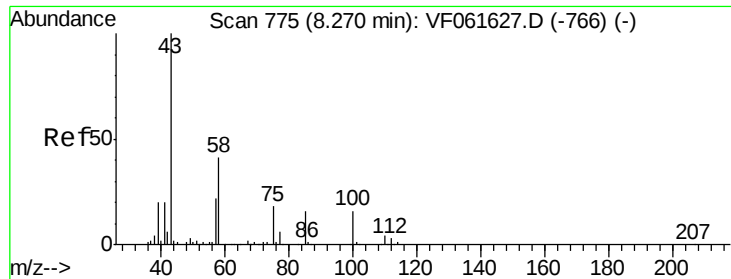
MMDadoda
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#50
Toluene-d8
Concen: 51.173 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	492198		
100	70.9		55.4	83.2





#51

4-Methyl-2-Pentanone

Concen: 97.145 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 43 Resp: 170333

Ion Ratio Lower Upper

43 100

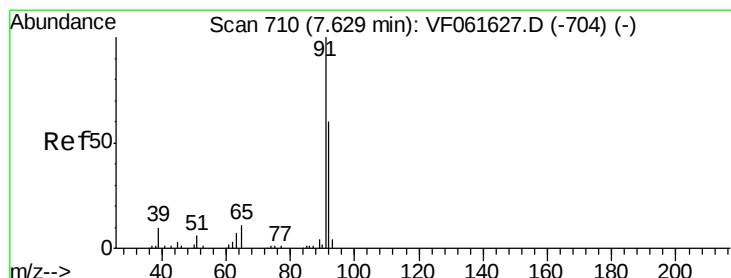
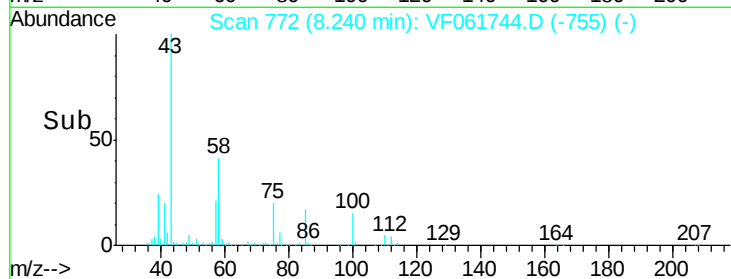
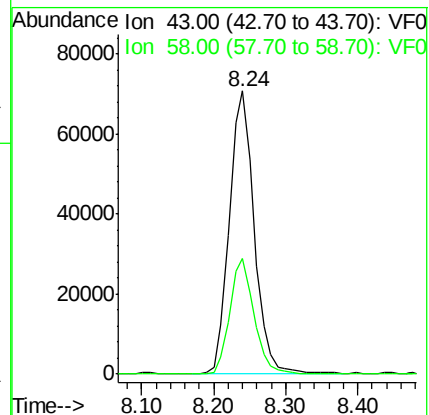
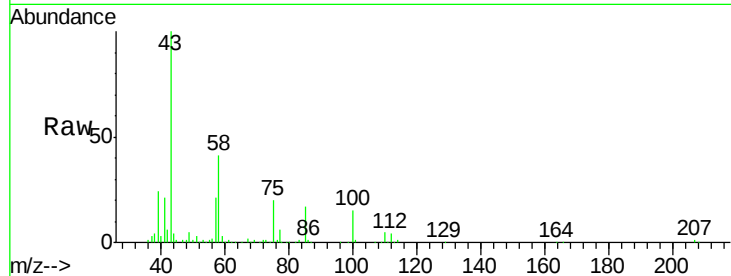
58 40.8 33.1 49.7

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#52

Toluene

Concen: 21.043 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061744.D

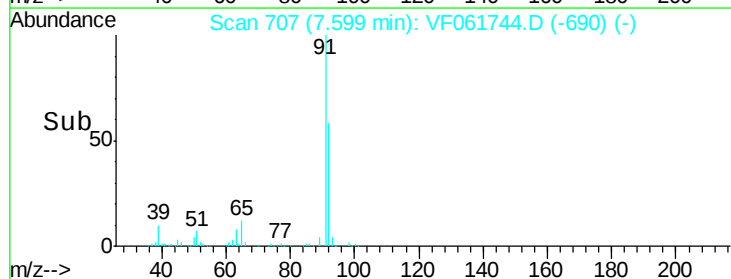
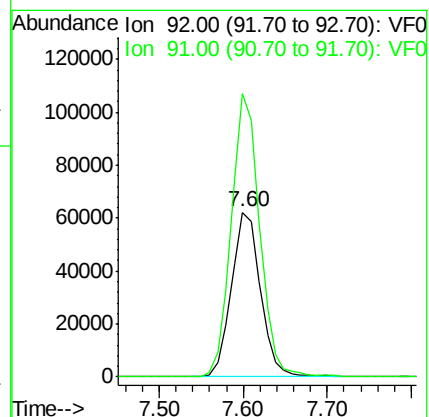
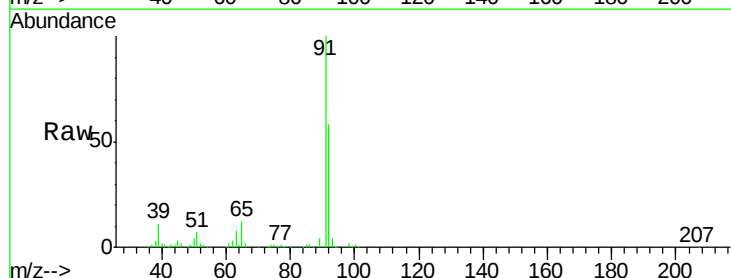
Acq: 26 Feb 2019 16:06

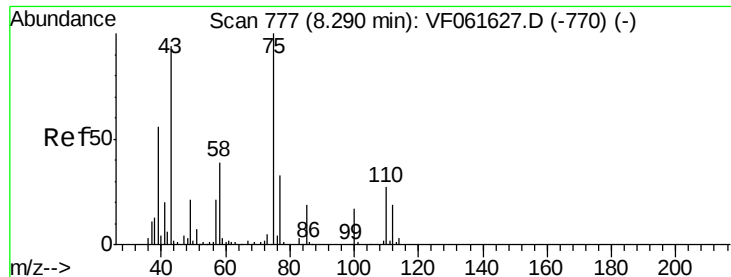
Tgt Ion: 92 Resp: 148991

Ion Ratio Lower Upper

92 100

91 172.2 133.9 200.9





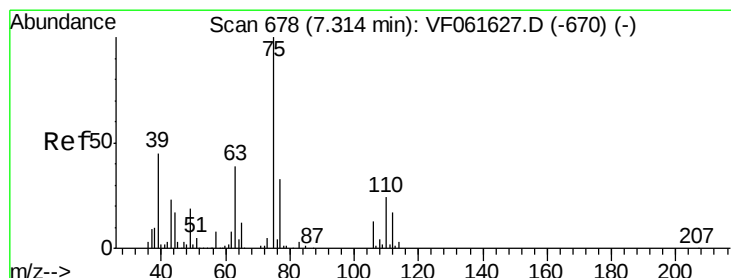
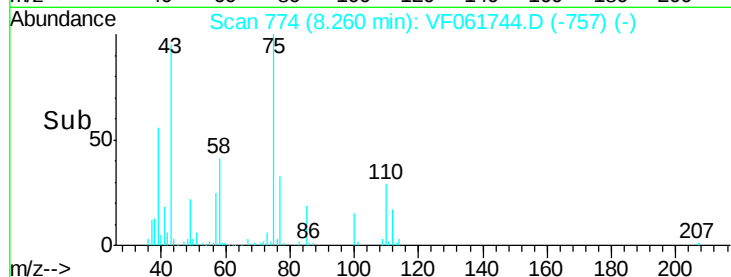
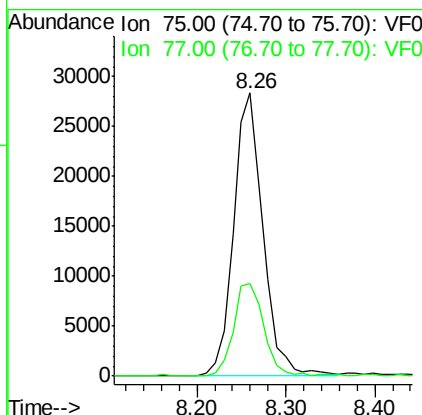
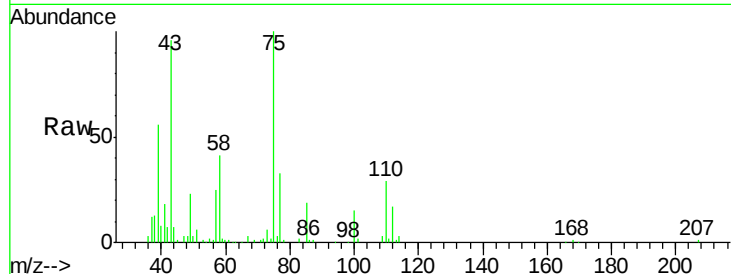
#53
t-1,3-Dichloropropene
Concen: 20.649 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion: 75 Resp: 65389
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.2

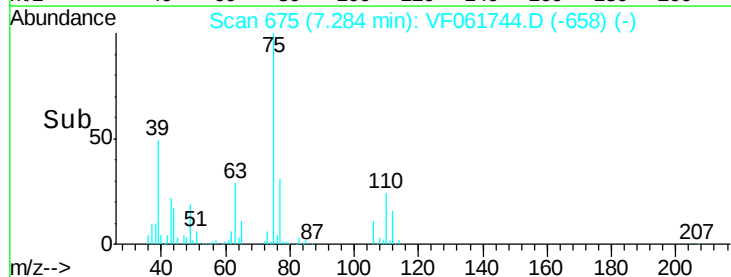
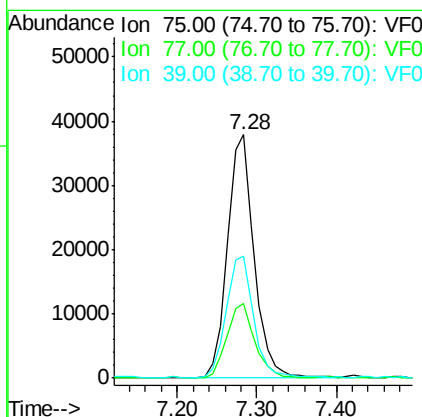
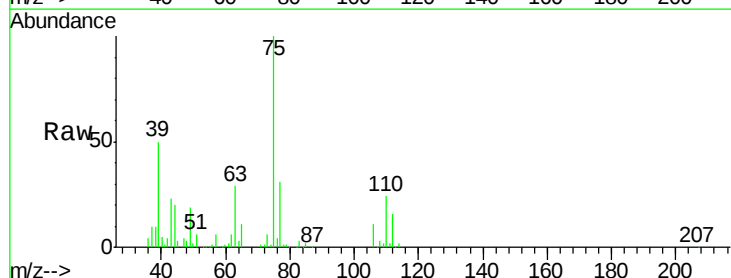
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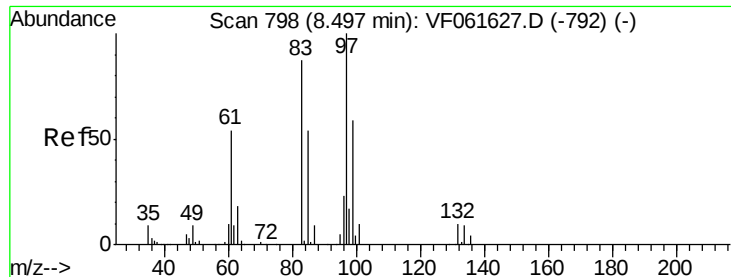
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#54
cis-1,3-Dichloropropene
Concen: 21.159 ug/l
RT: 7.28 min Scan# 675
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 75 Resp: 89250
Ion Ratio Lower Upper
75 100
77 30.7 26.4 39.6
39 49.9 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 20.071 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

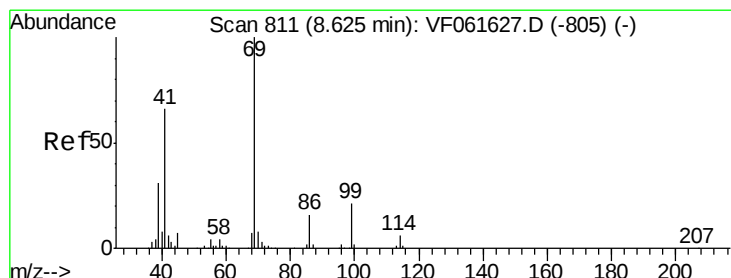
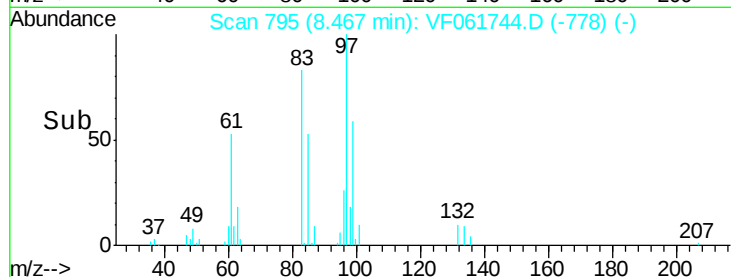
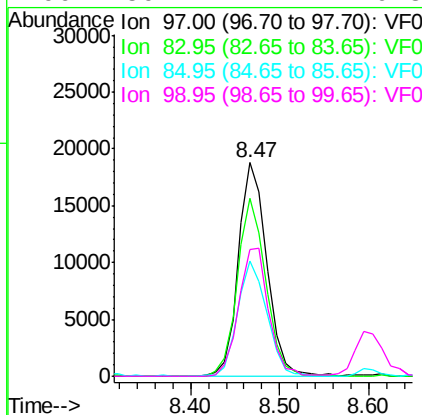
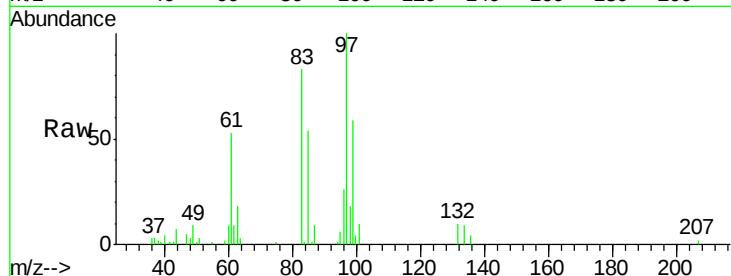
ClientSampleId :

VF0226SBS01

Tot Ion:	97	Resp:	41753
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.2	103.8
85	53.7	43.0	64.4
99	59.1	47.2	70.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.256 ug/l

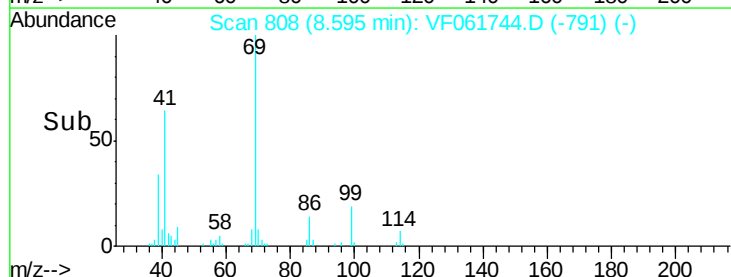
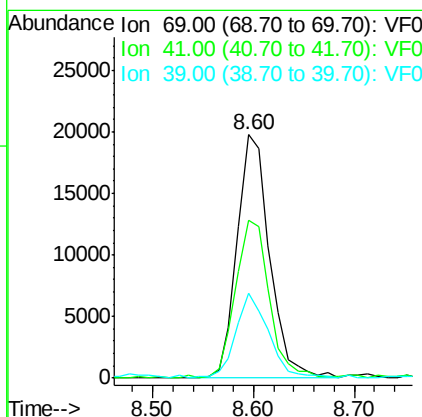
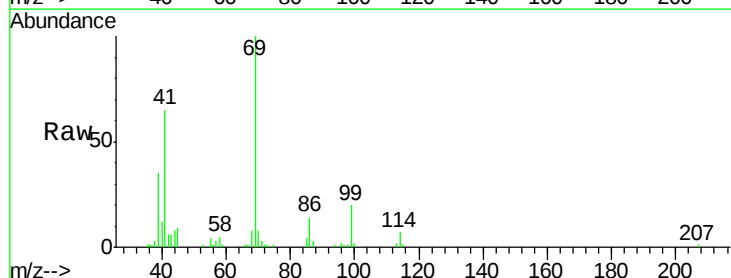
RT: 8.60 min Scan# 808

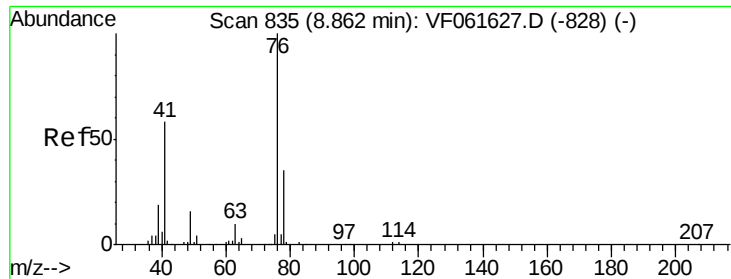
Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	69	Resp:	44598
Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.9	79.3
39	34.7	24.5	36.7





#57

1,3-Dichloropropane

Concen: 18.506 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 76 Resp: 64257

Ion Ratio Lower Upper

76 100

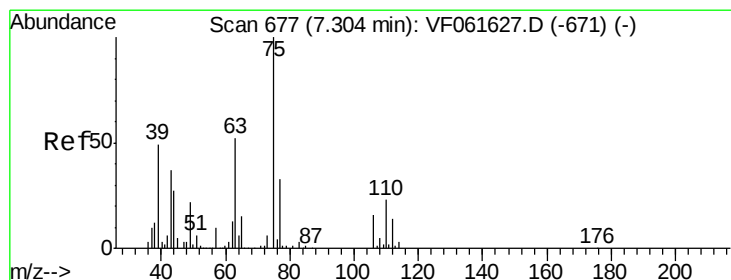
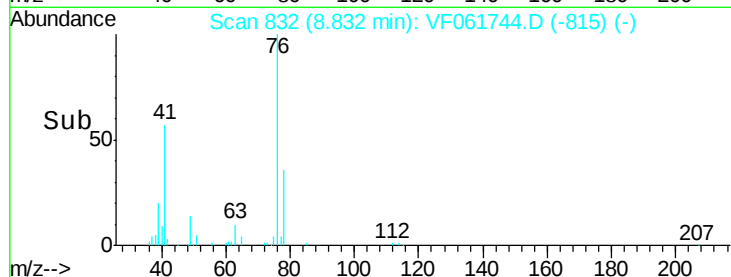
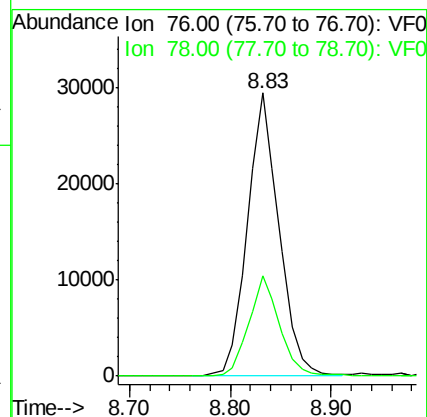
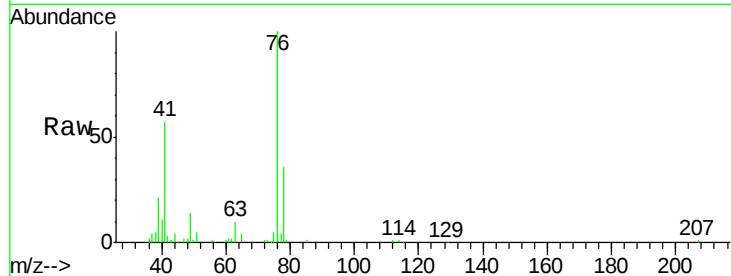
78 35.6 27.8 41.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 86.121 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061744.D

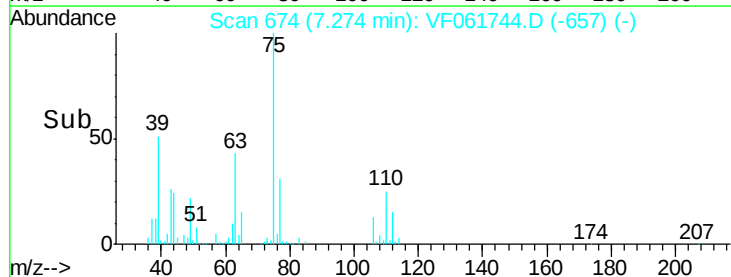
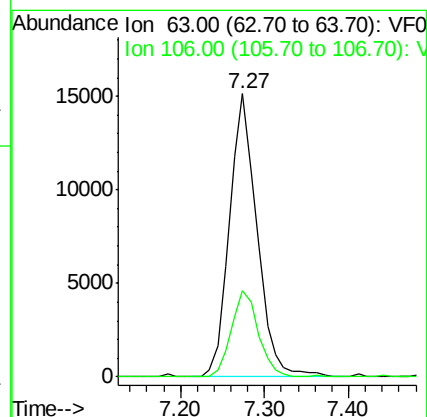
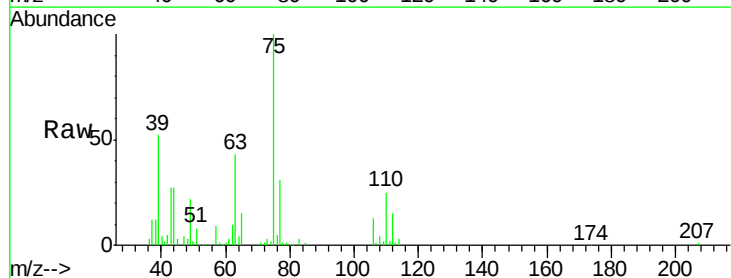
Acq: 26 Feb 2019 16:06

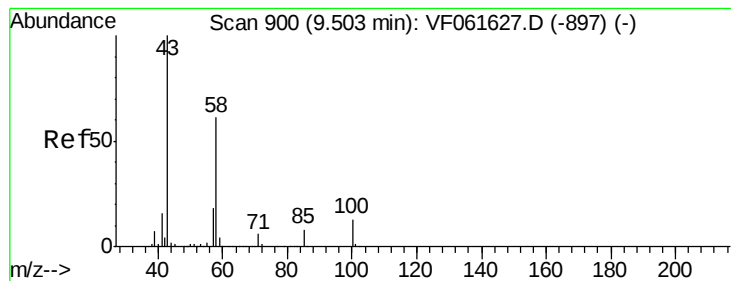
Tgt Ion: 63 Resp: 34415

Ion Ratio Lower Upper

63 100

106 30.6 24.6 36.8





#59

2-Hexanone

Concen: 99.357 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 43 Resp: 122117

Ion Ratio Lower Upper

43 100

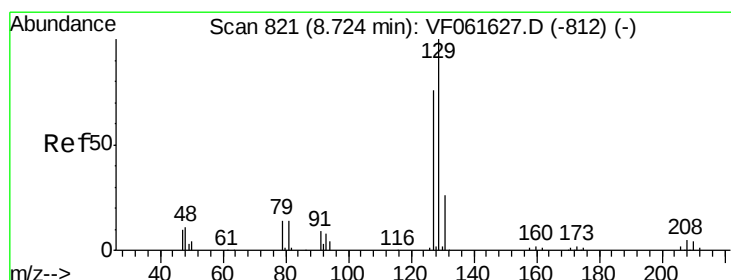
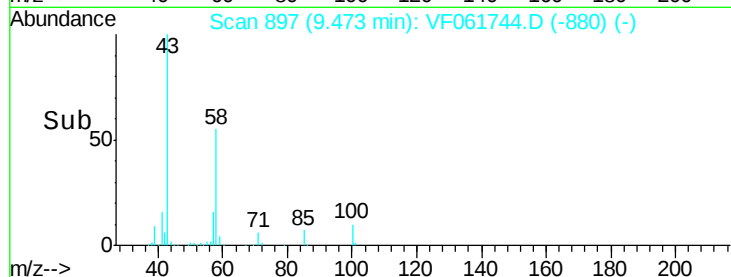
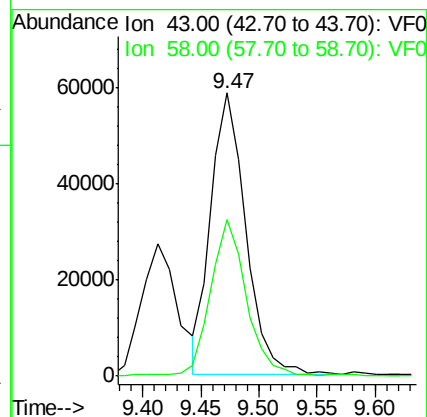
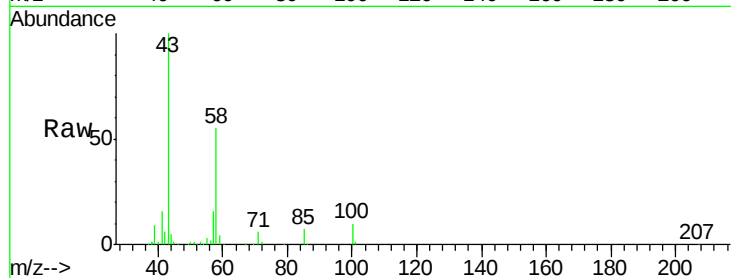
58 55.2 28.5 85.5

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.406 ug/l

RT: 8.69 min Scan# 818

Delta R.T. -0.03 min

Lab File: VF061744.D

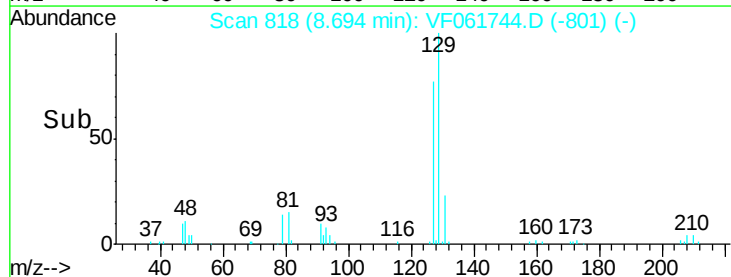
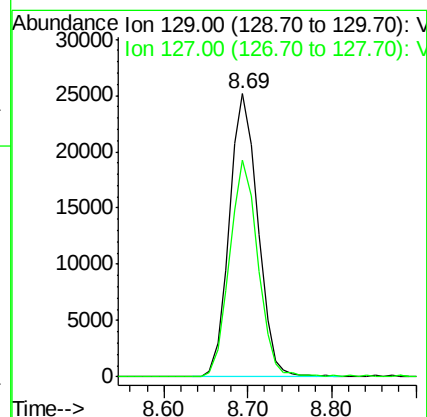
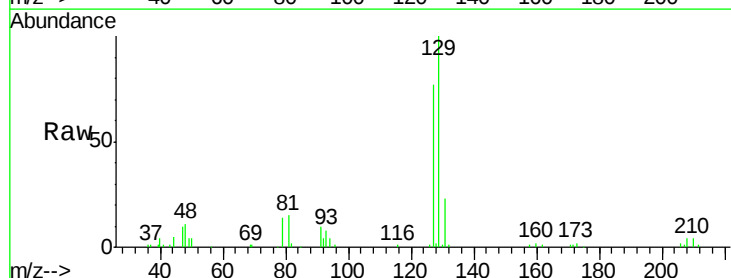
Acq: 26 Feb 2019 16:06

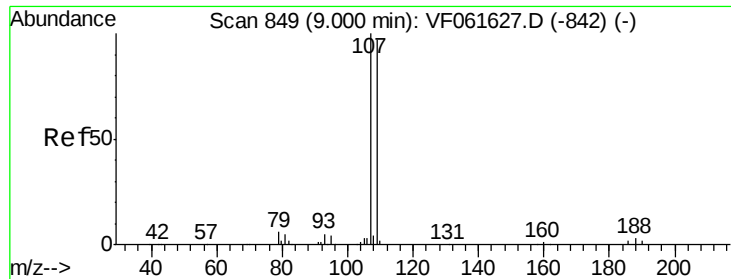
Tgt Ion: 129 Resp: 59085

Ion Ratio Lower Upper

129 100

127 76.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.427 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion:107 Resp: 43833

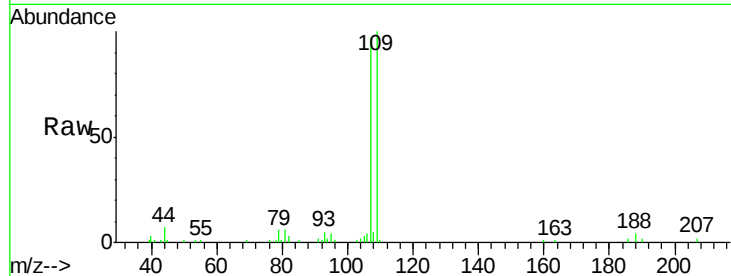
Ion Ratio Lower Upper

107 100

109 103.3 77.4 116.0

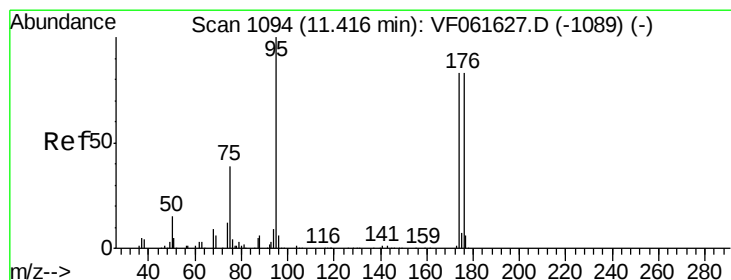
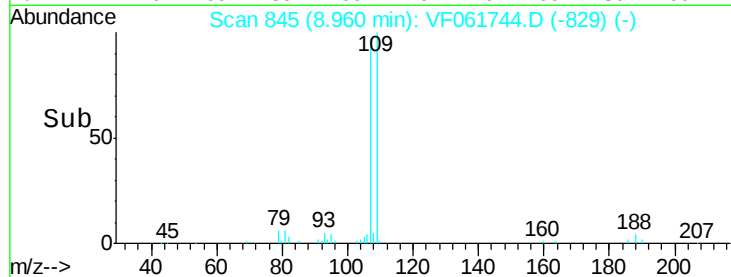
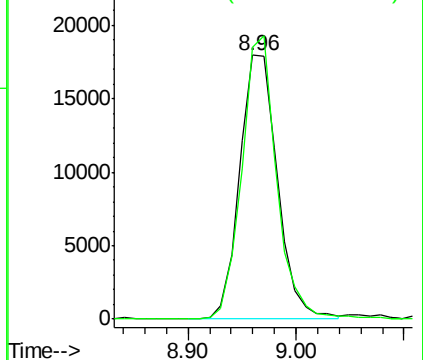
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.256 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

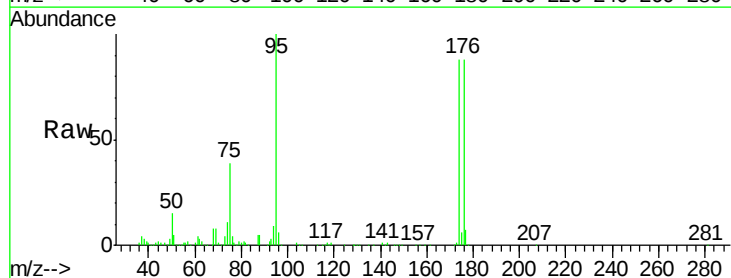
Tgt Ion: 95 Resp: 195584

Ion Ratio Lower Upper

95 100

174 87.7 0.0 165.8

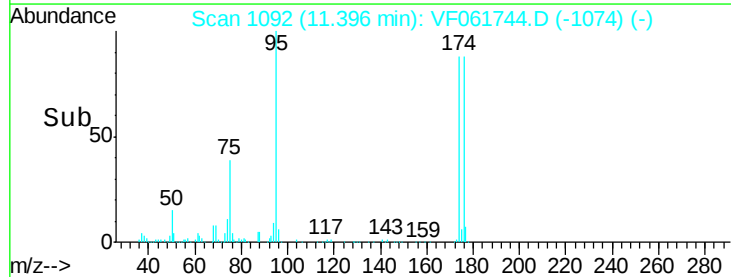
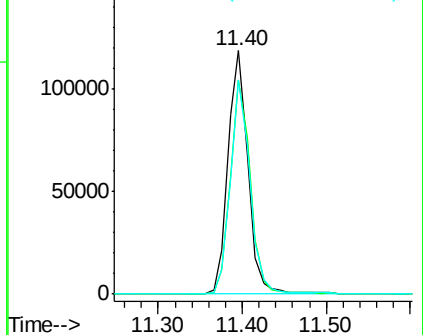
176 87.9 0.0 167.0

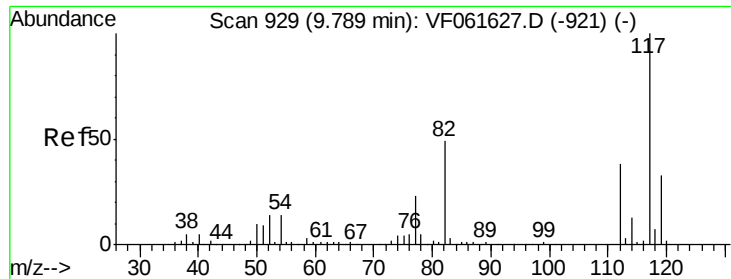


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





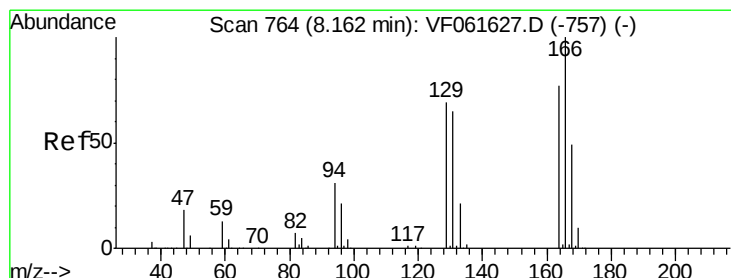
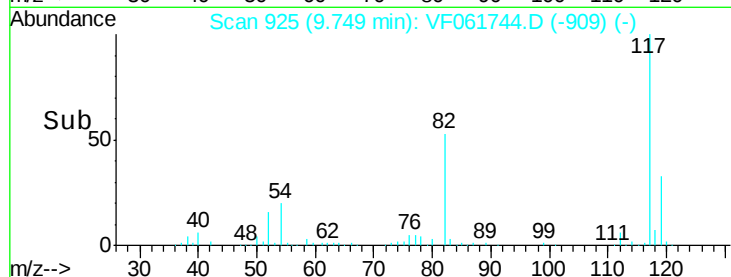
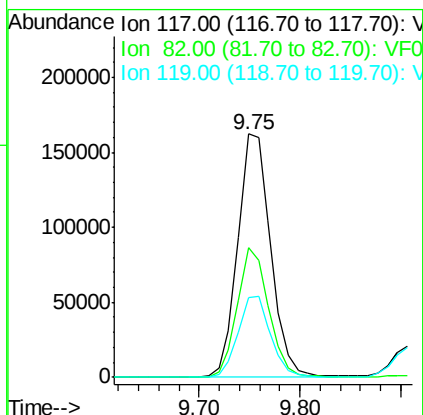
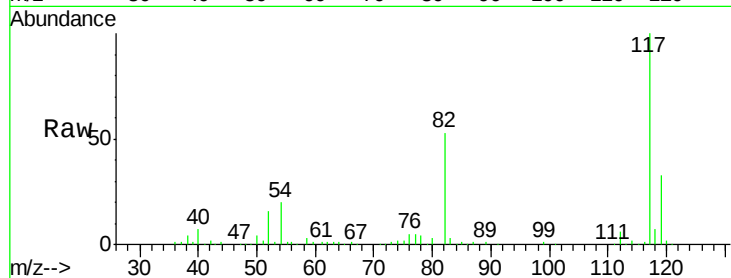
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	39.3	58.9
119	32.6	26.6	40.0

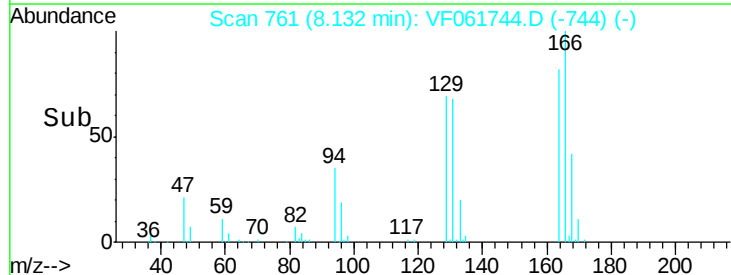
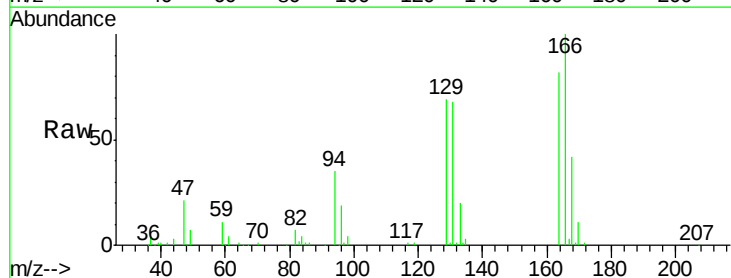
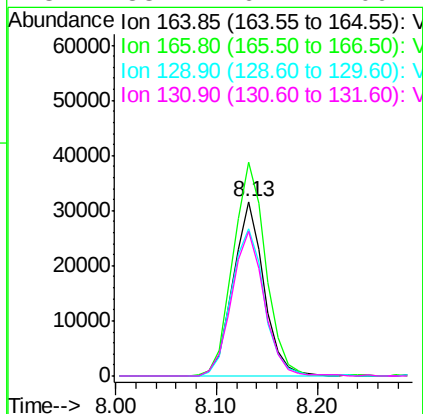
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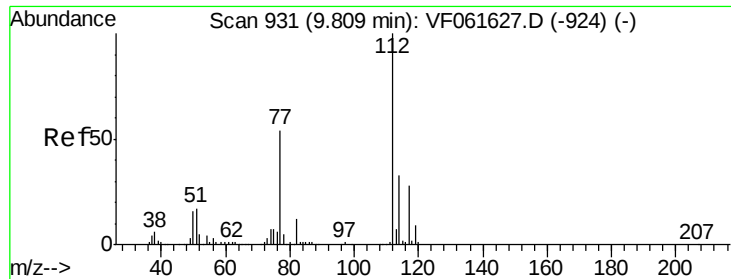
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#64
Tetrachloroethene
Concen: 22.163 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	103.9	155.9
129	84.4	71.3	106.9
131	83.1	67.1	100.7





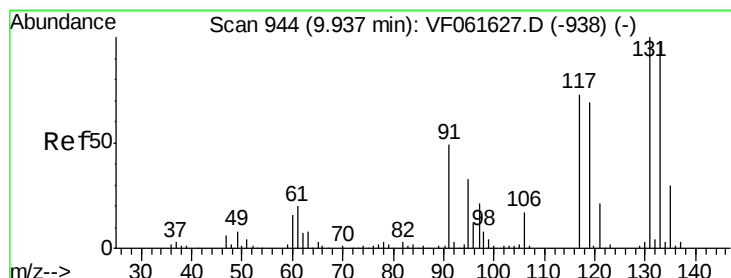
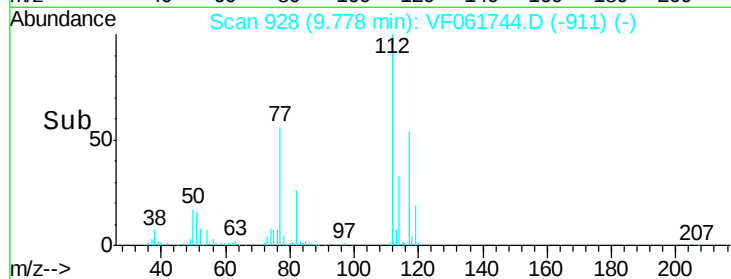
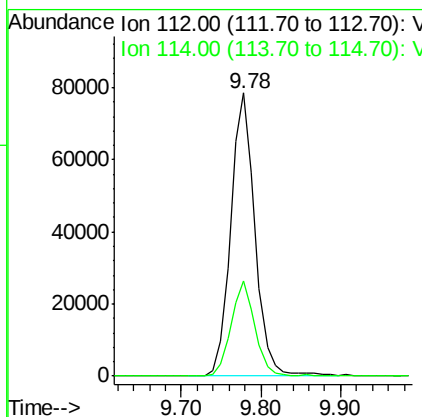
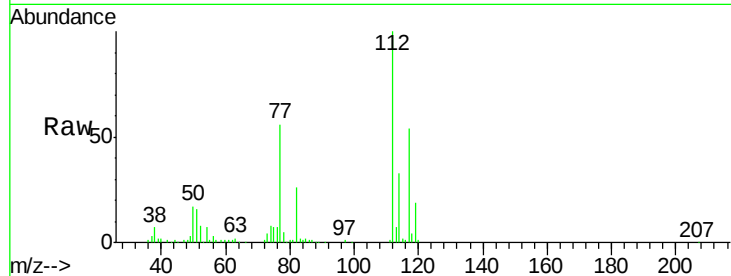
#65
Chlorobenzene
Concen: 22.205 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion:112 Resp: 167213
Ion Ratio Lower Upper
112 100
114 33.5 26.2 39.2

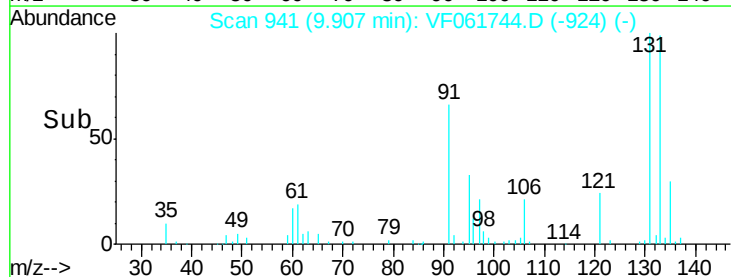
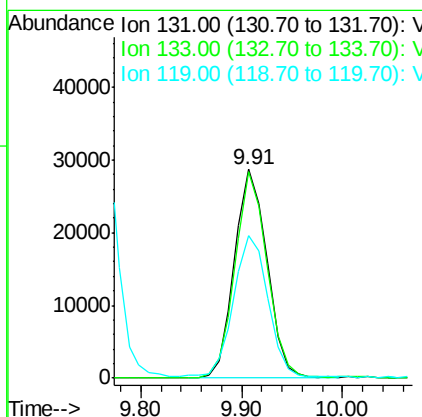
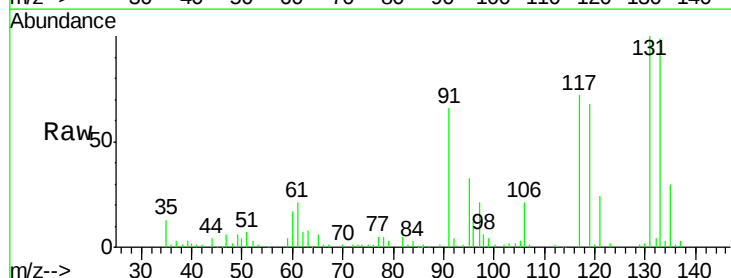
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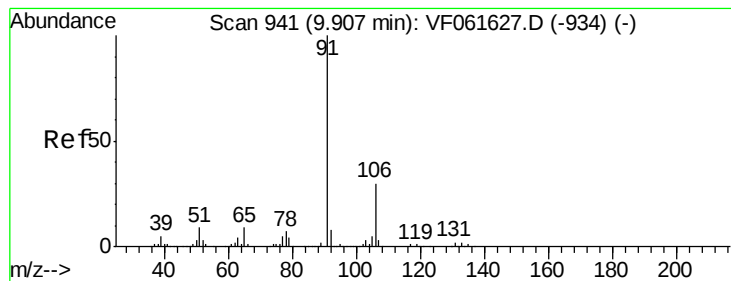
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.993 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion:131 Resp: 64897
Ion Ratio Lower Upper
131 100
133 98.6 48.9 146.6
119 68.3 34.8 104.3





#67

Ethyl Benzene

Concen: 21.546 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 91 Resp: 269824

Ion Ratio Lower Upper

91 100

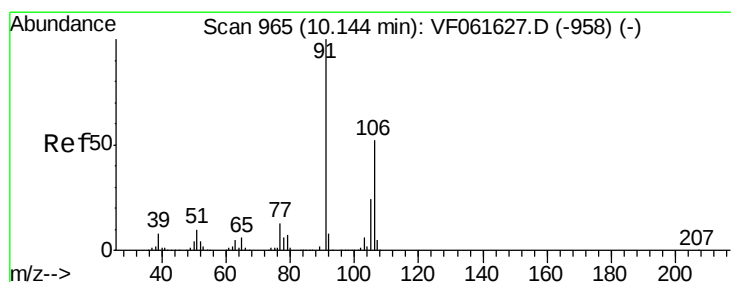
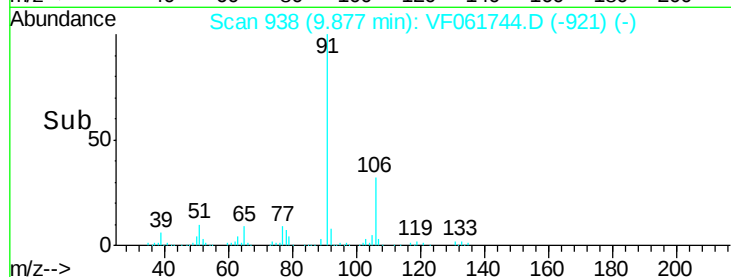
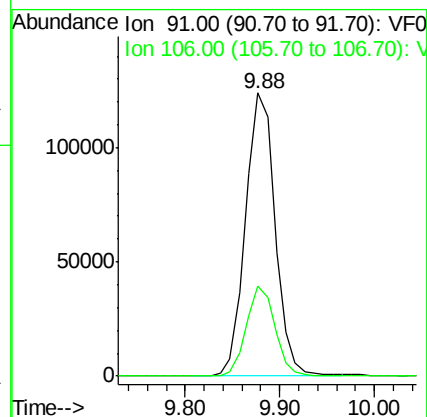
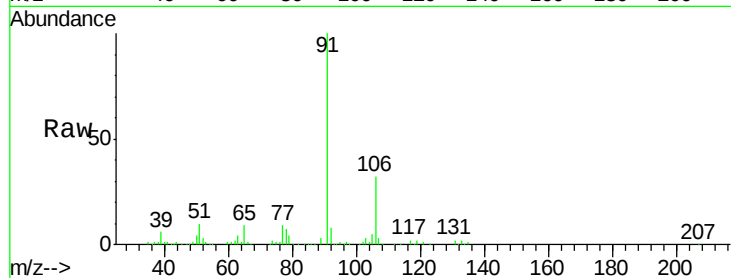
106 31.8 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.965 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF061744.D

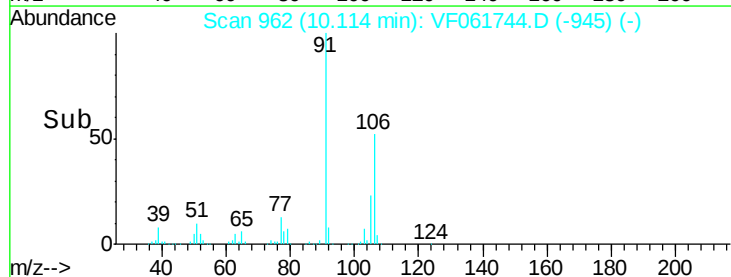
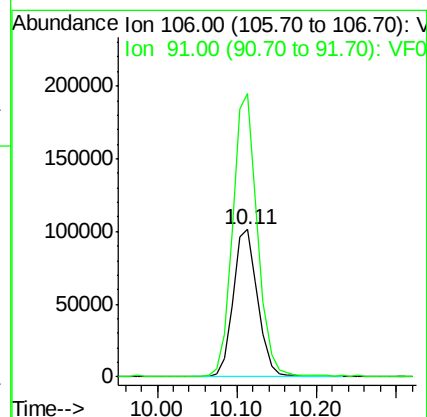
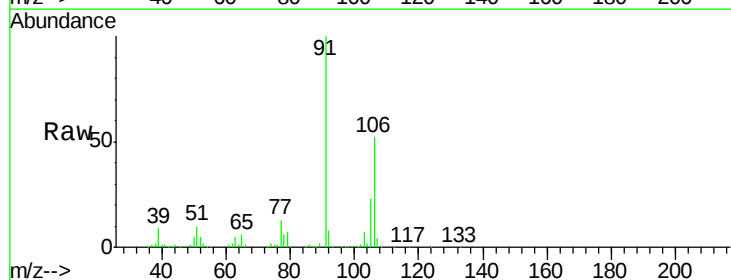
Acq: 26 Feb 2019 16:06

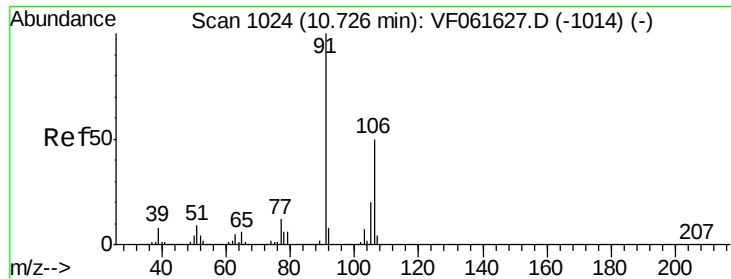
Tgt Ion: 106 Resp: 220294

Ion Ratio Lower Upper

106 100

91 192.2 153.0 229.6





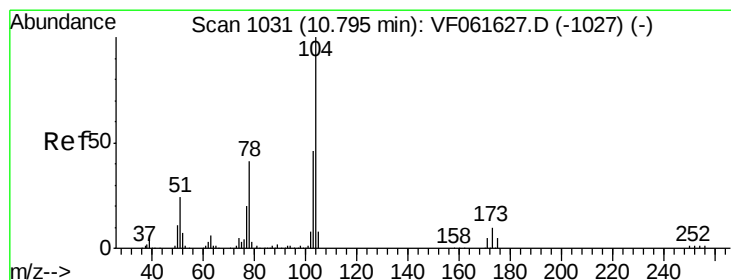
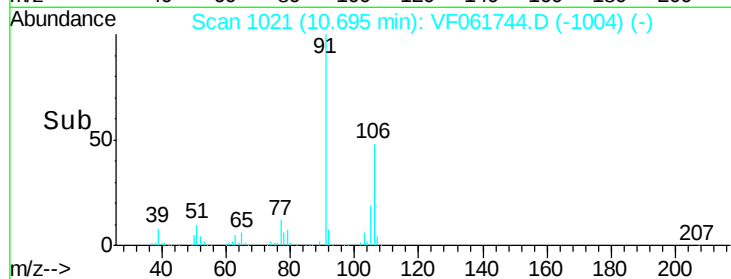
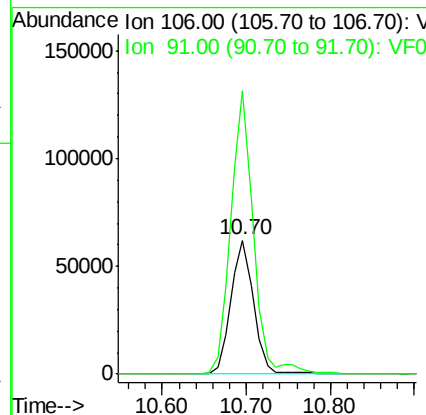
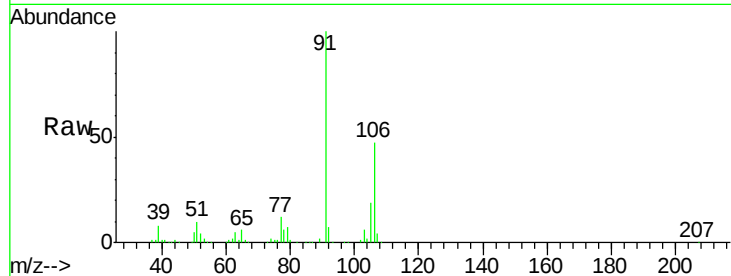
#69
o-Xylene
Concen: 22.888 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	117051		
91	210.9	100.1	300.1	

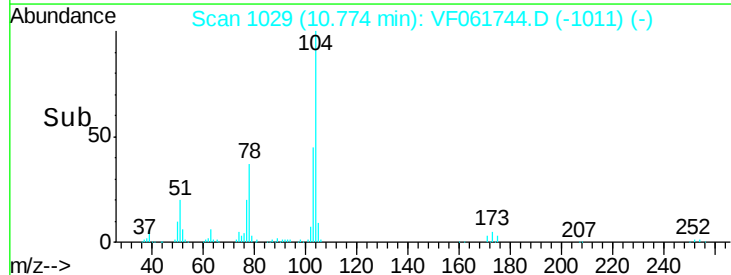
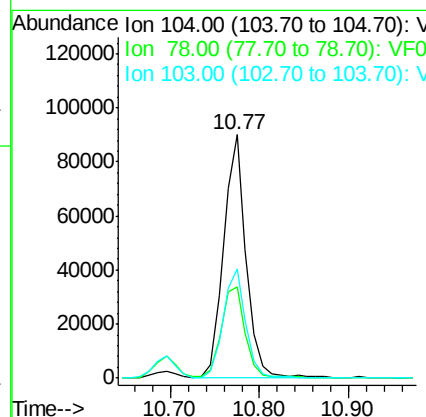
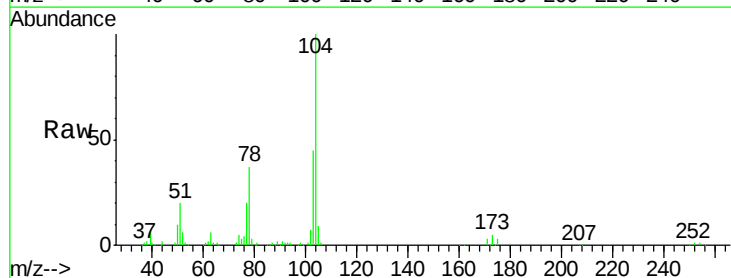
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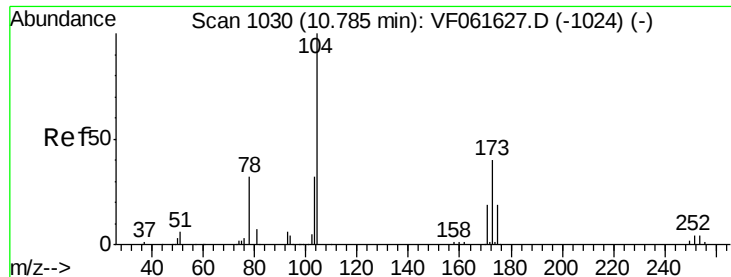
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#70
Styrene
Concen: 21.982 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	159033		
78	37.2	33.2	49.8	
103	44.7	37.2	55.8	





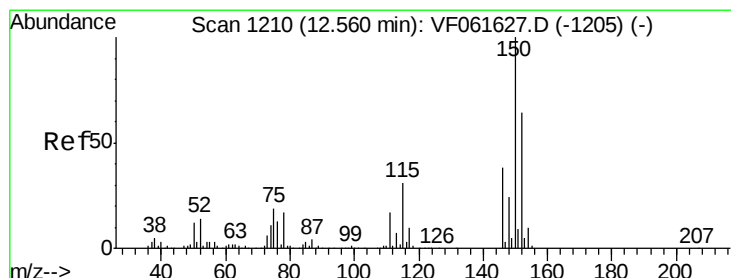
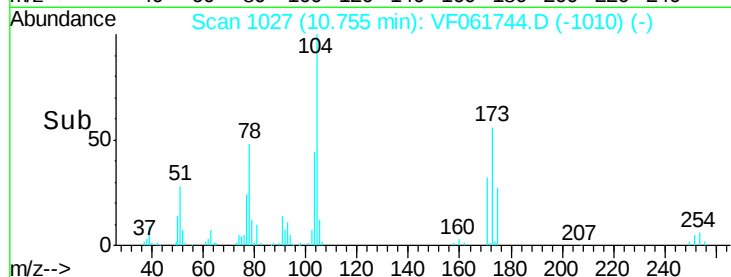
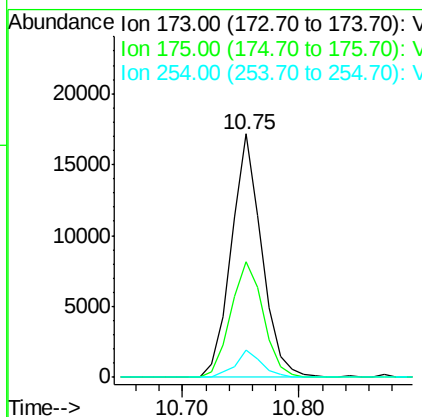
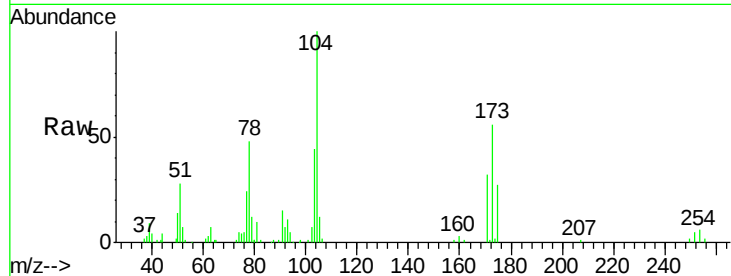
#71
Bromoform
Concen: 19.351 ug/l
RT: 10.75 min Scan# 1027
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.0	72.0
254	11.0	8.2	12.2

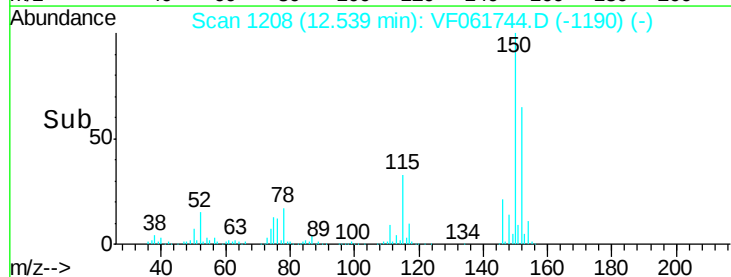
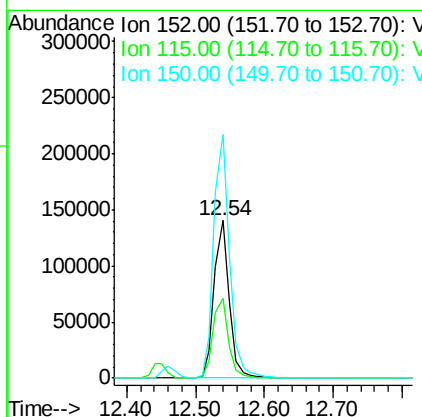
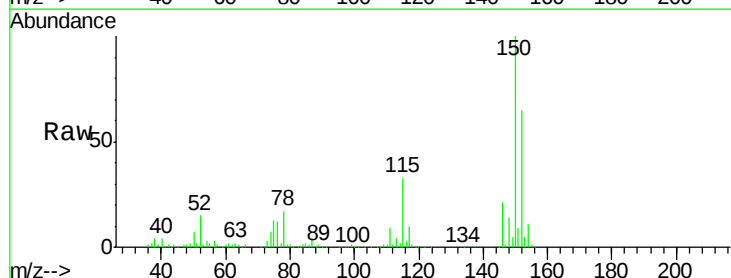
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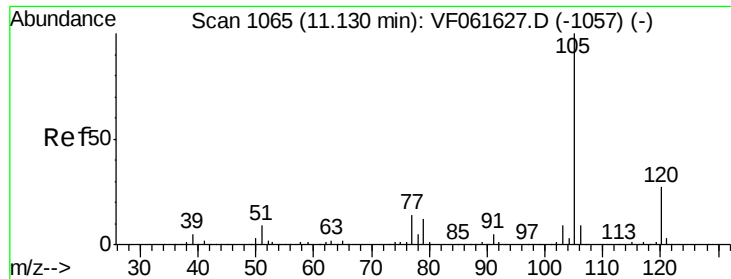
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.6	24.3	72.8
150	154.5	0.0	312.0





#73

Isopropylbenzene

Concen: 21.611 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 105 Resp: 328906

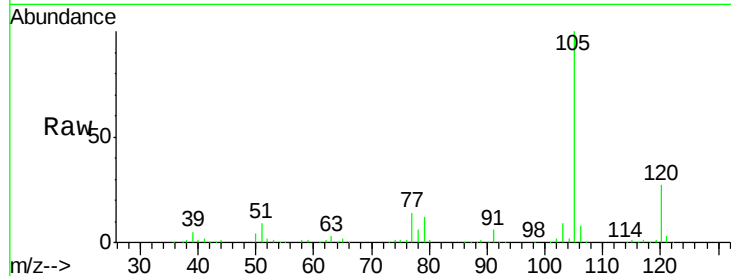
Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1

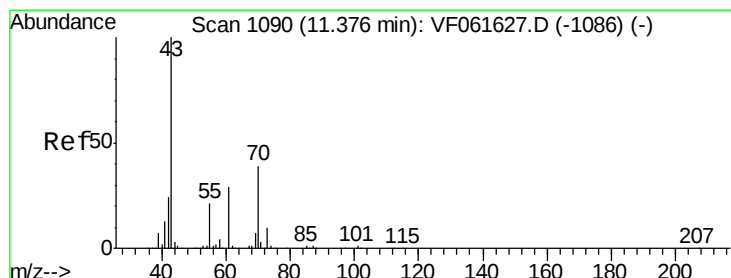
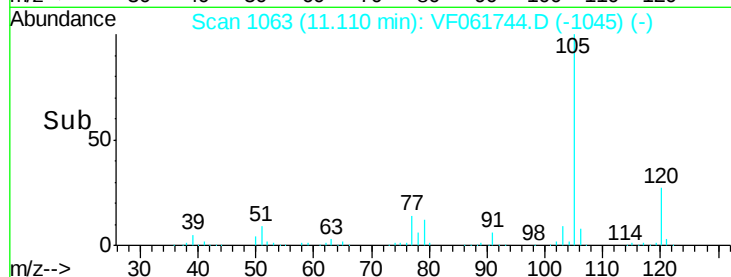
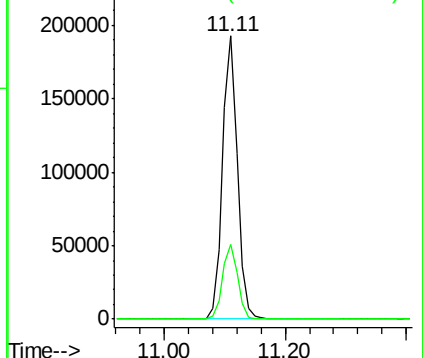
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.569 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion: 43 Resp: 78794

Ion Ratio Lower Upper

43 100

70 40.2 31.5 47.3

55 22.4 16.7 25.1

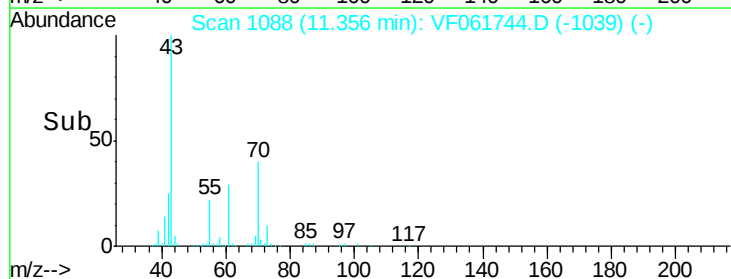
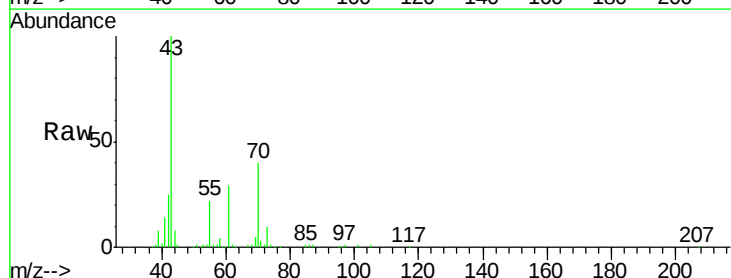
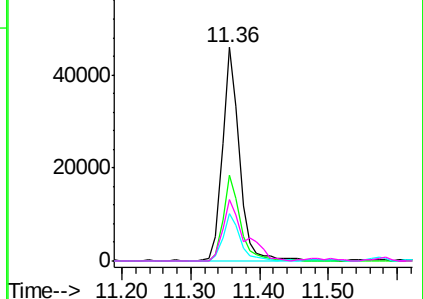
61 28.7 23.0 34.6

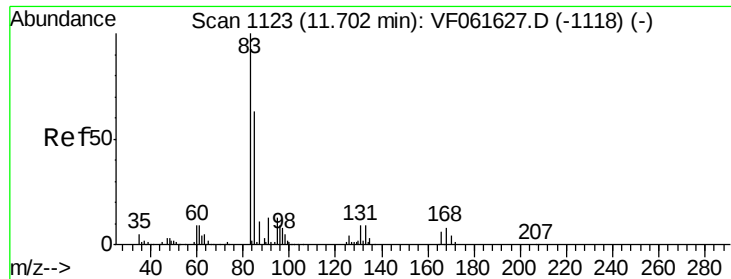
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.531 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

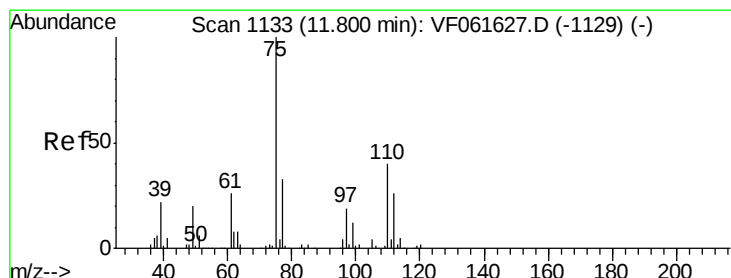
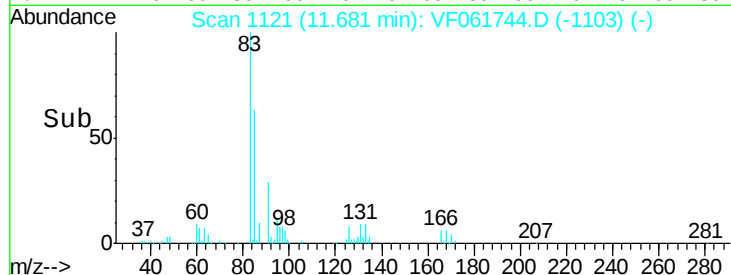
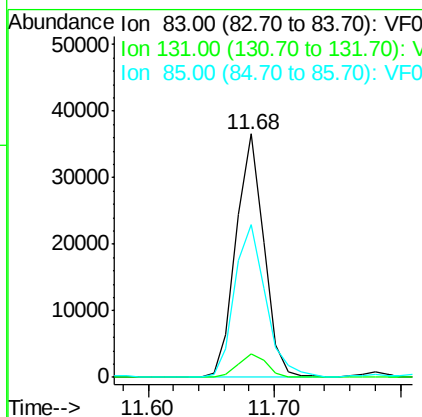
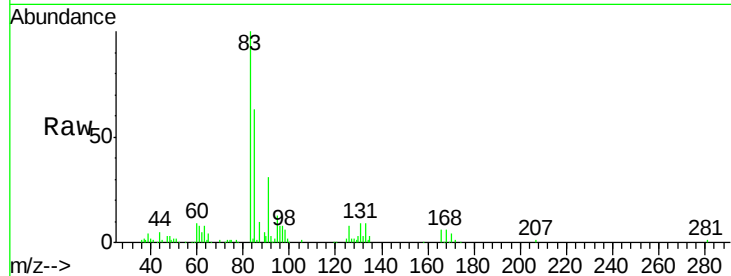
ClientSampleId :

VF0226SBS01

Tot Ion:	83	Resp:	55982
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.4	13.2
85	62.5	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.583 ug/l

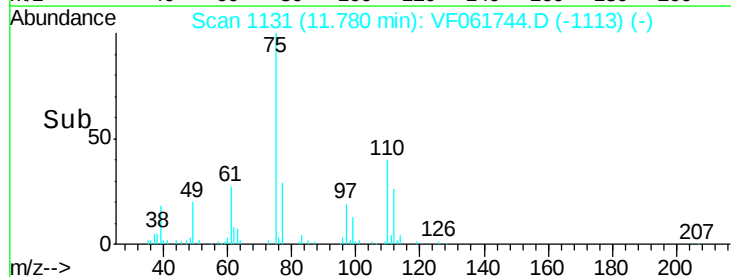
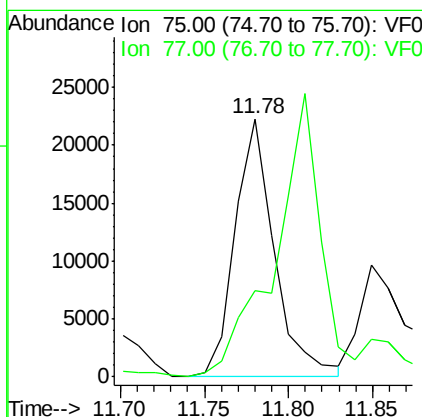
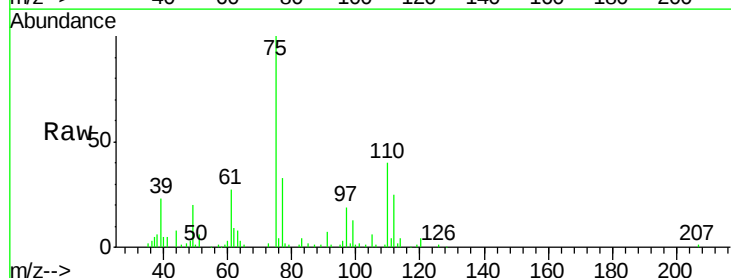
RT: 11.78 min Scan# 1131

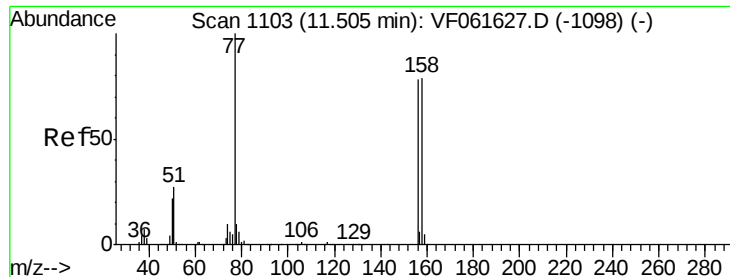
Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	75	Resp:	36303
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.6	49.7





#77

Bromobenzene

Concen: 21.661 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion:156 Resp: 81445

Ion Ratio Lower Upper

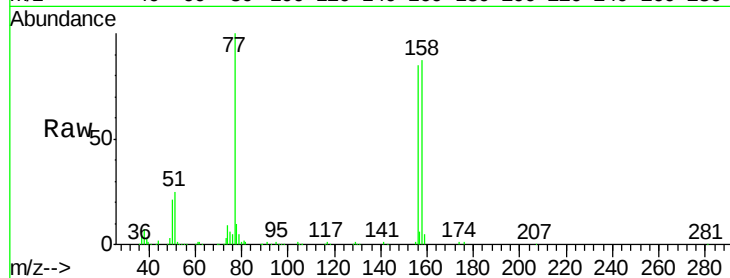
156 100

77 117.8 64.3 192.7

158 102.0 50.9 152.7

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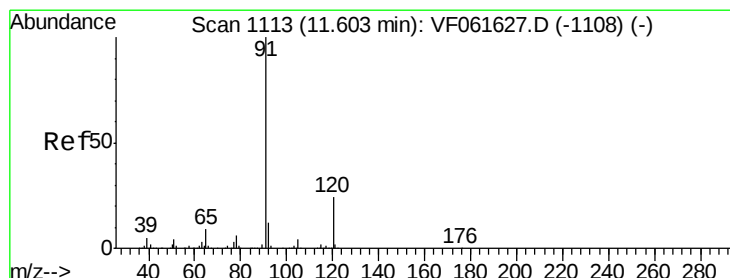
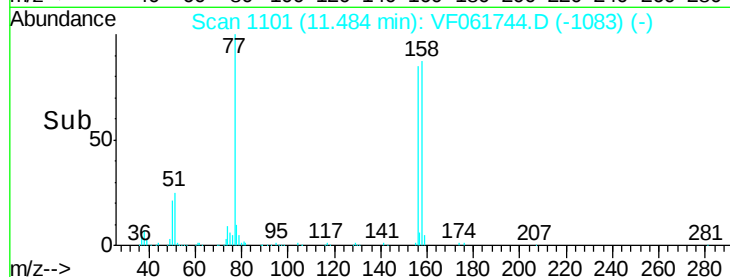
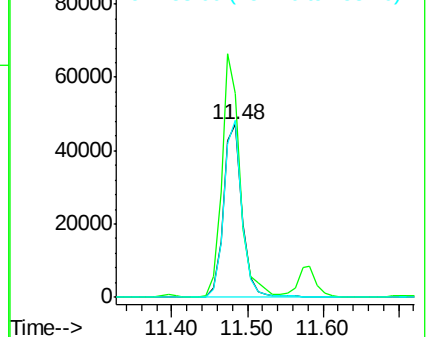
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.972 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061744.D

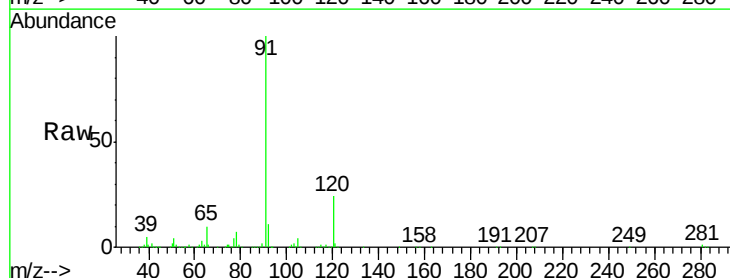
Acq: 26 Feb 2019 16:06

Tgt Ion: 91 Resp: 383744

Ion Ratio Lower Upper

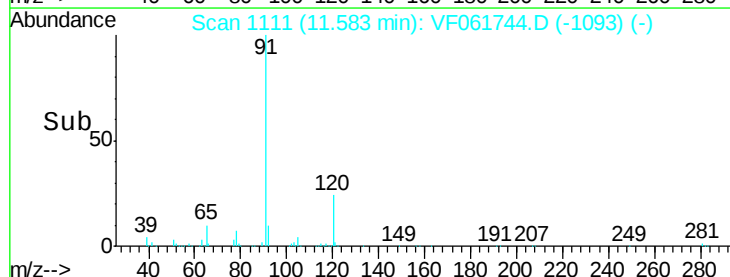
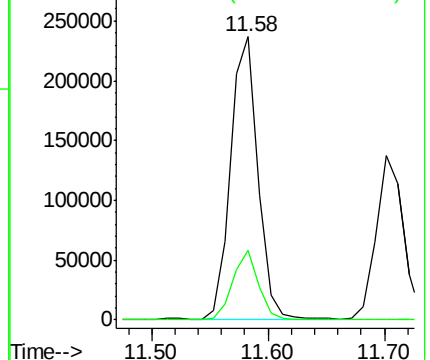
91 100

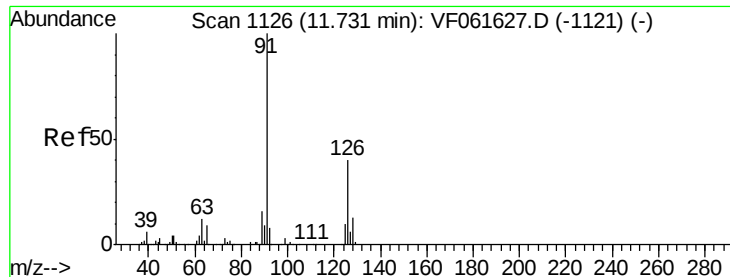
120 24.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.460 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 91 Resp: 219683

Ion Ratio Lower Upper

91 100

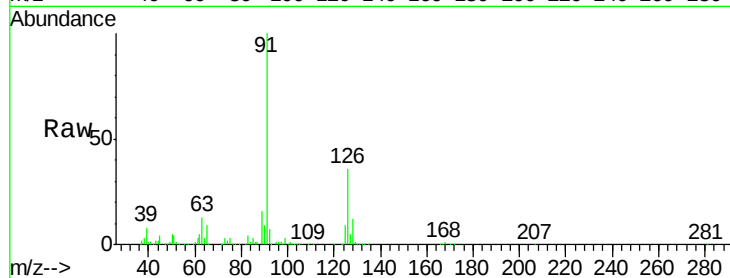
126 36.5 19.8 59.4

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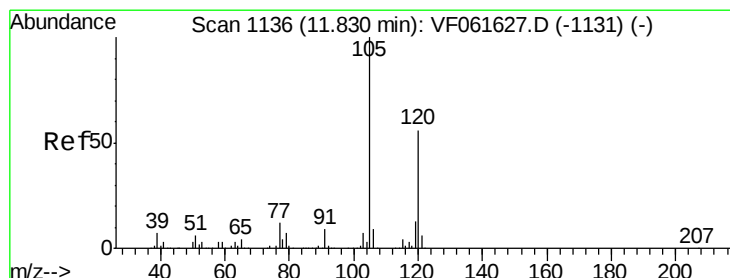
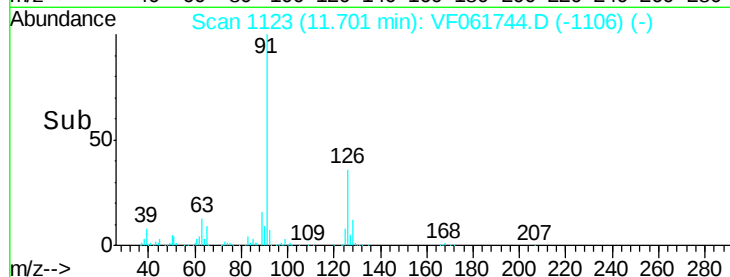
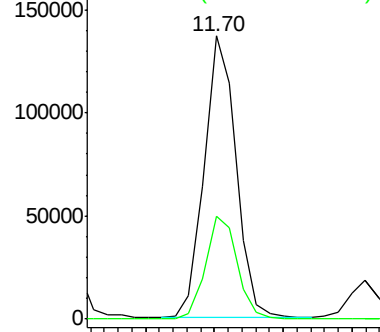
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.839 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061744.D

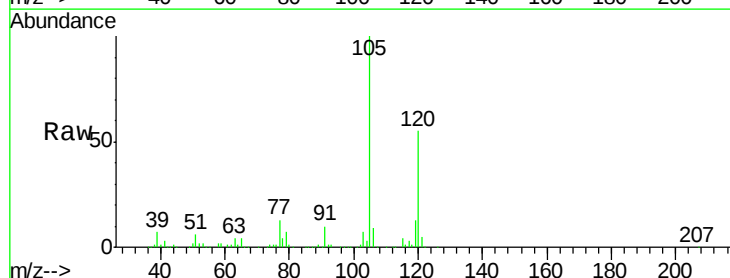
Acq: 26 Feb 2019 16:06

Tgt Ion: 105 Resp: 277810

Ion Ratio Lower Upper

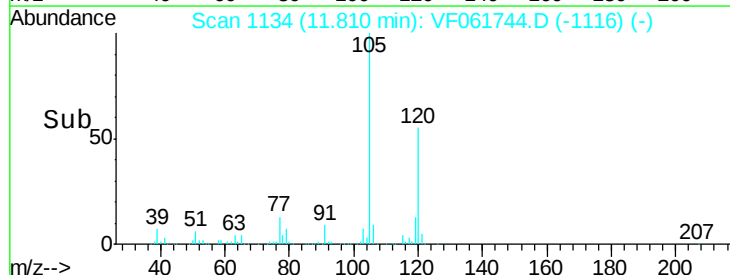
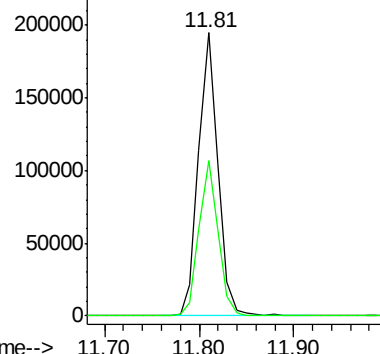
105 100

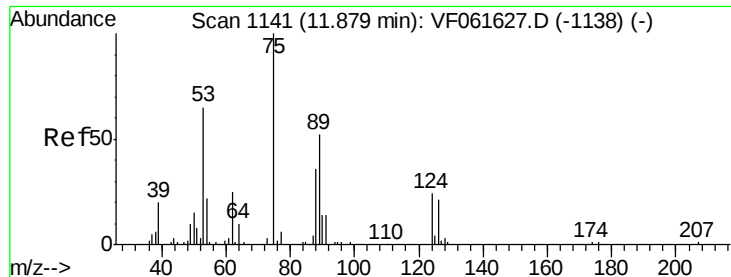
120 54.8 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.539 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

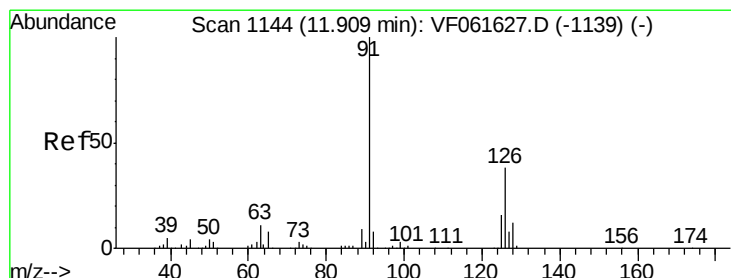
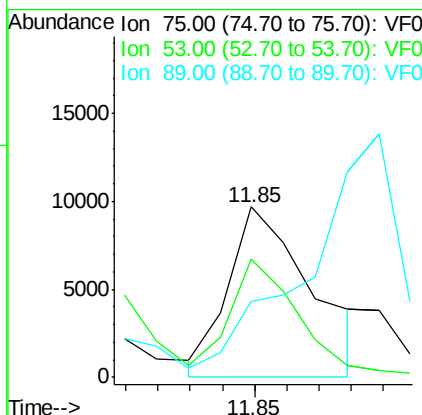
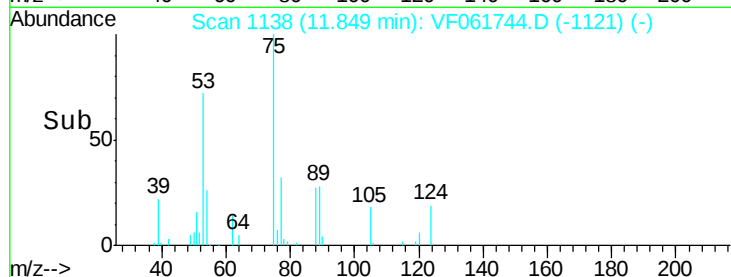
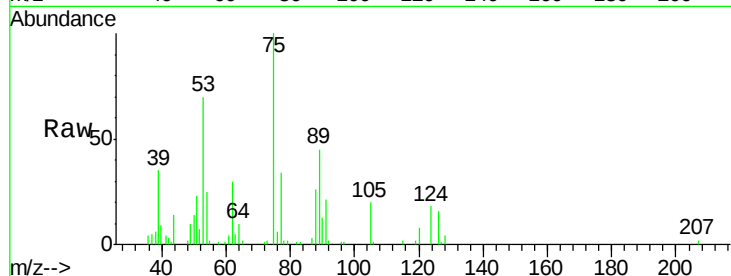
ClientSampleId :

VF0226SBSD01

Tot Ion:	75	Resp:	17365
Ion Ratio	Lower	Upper	
75	100		
53	69.6	53.7	80.5
89	44.9	41.6	62.4

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#82

4-Chlorotoluene

Concen: 21.156 ug/l

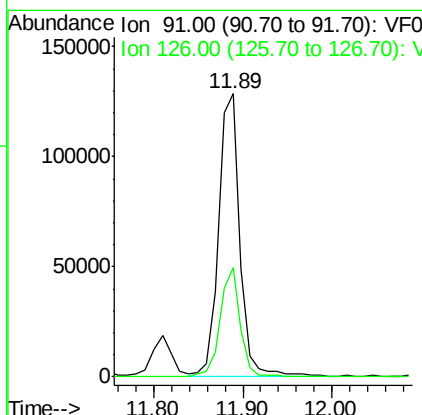
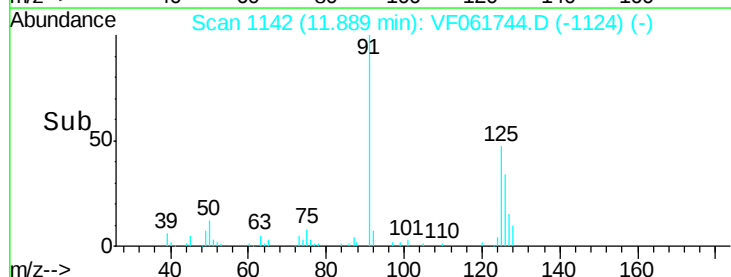
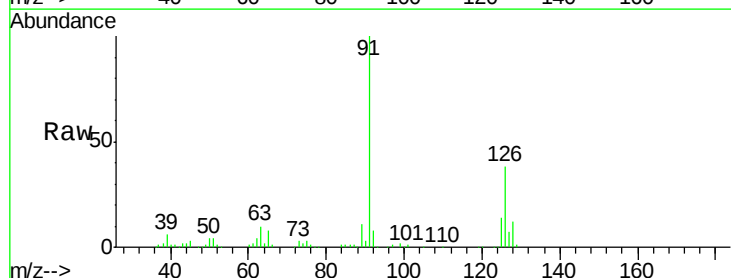
RT: 11.89 min Scan# 1142

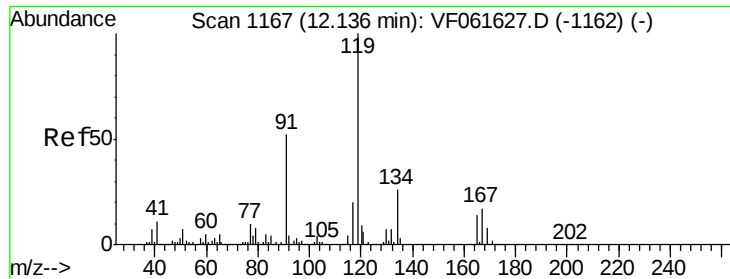
Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	91	Resp:	214782
Ion Ratio	Lower	Upper	
91	100		
126	38.5	19.1	57.1





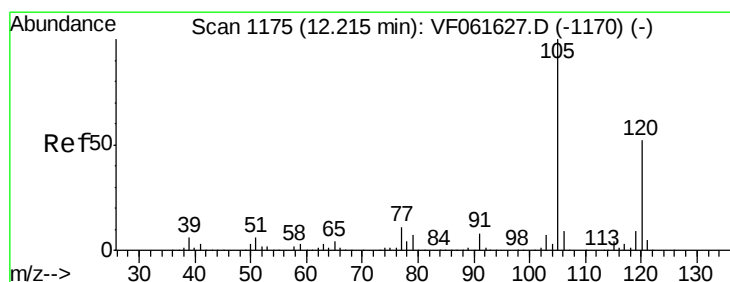
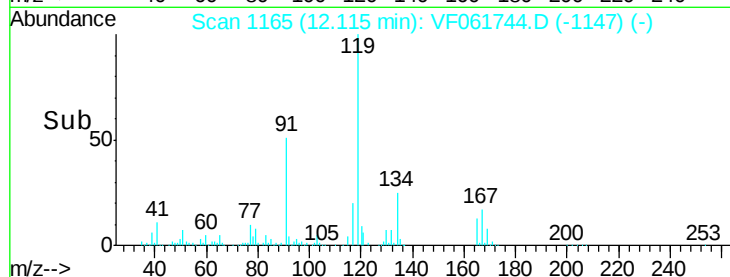
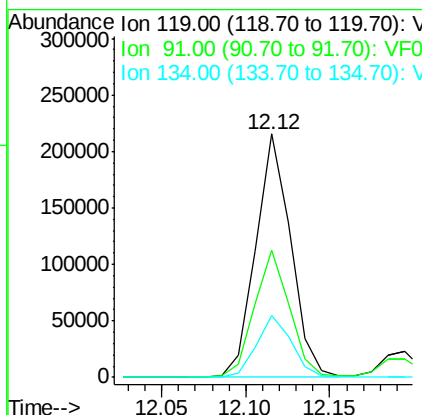
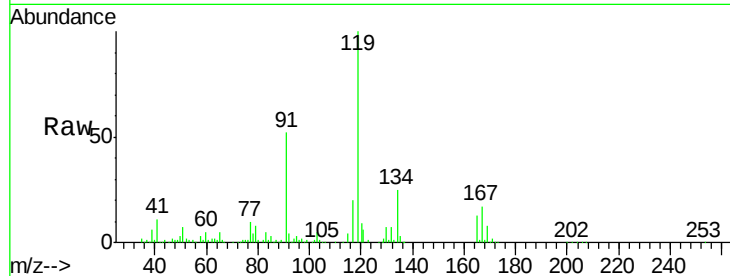
#83
tert-Butylbenzene
Concen: 23.160 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	312033		
91	52.3	26.3	78.8	
134	25.4	12.9	38.7	

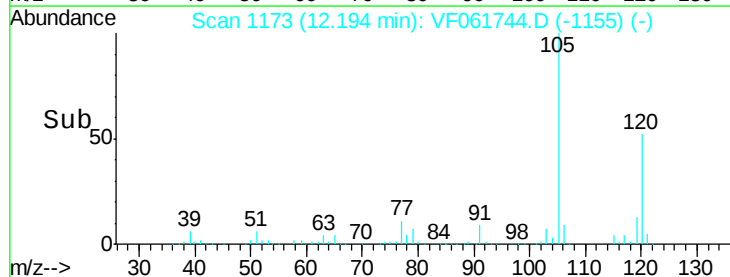
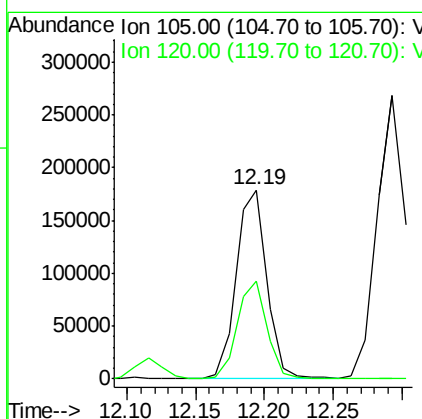
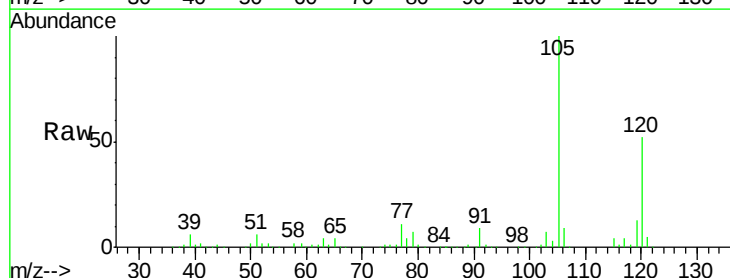
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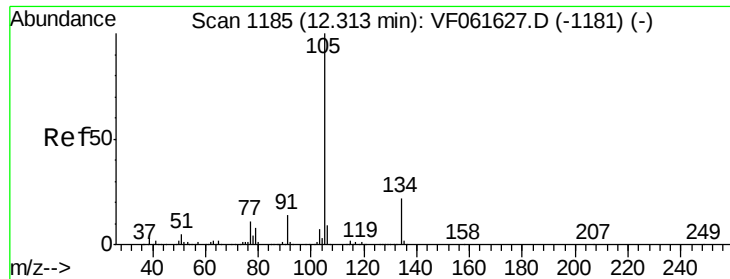
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#84
1,2,4-Trimethylbenzene
Concen: 22.847 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276104		
120	51.9	26.1	78.3	





#85

sec-Butylbenzene

Concen: 22.591 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion:105 Resp: 393602

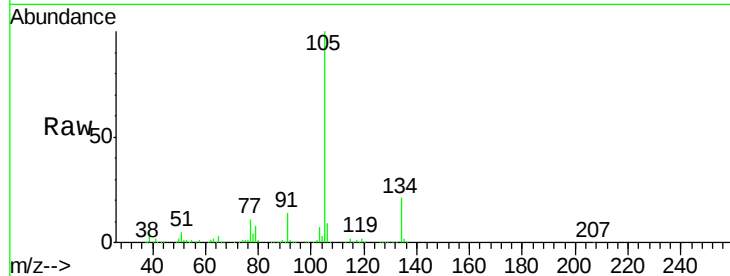
Ion Ratio Lower Upper

105 100

134 20.6 10.8 32.4

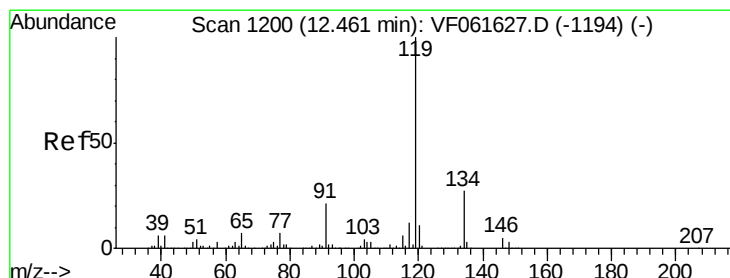
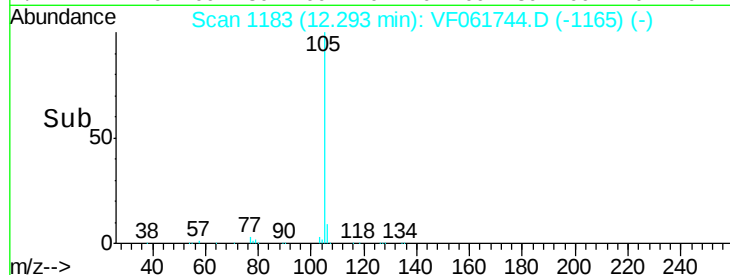
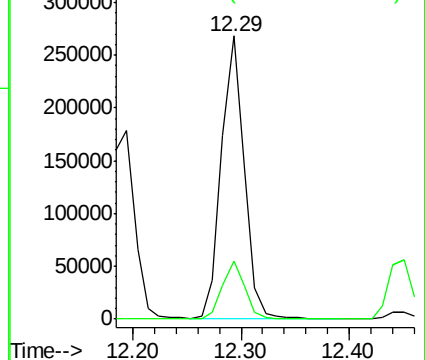
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.391 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

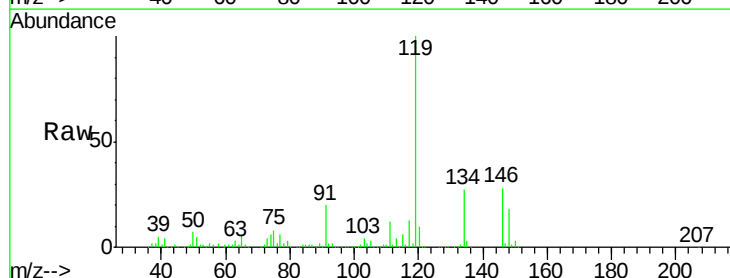
Tgt Ion:119 Resp: 327397

Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.1

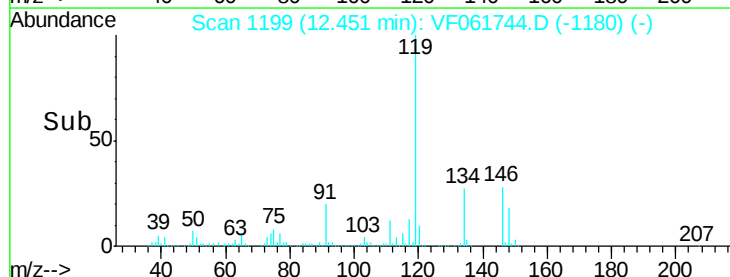
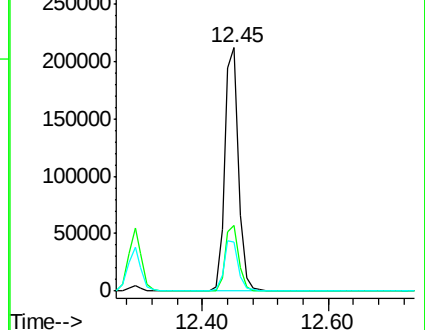
91 19.9 10.8 32.4

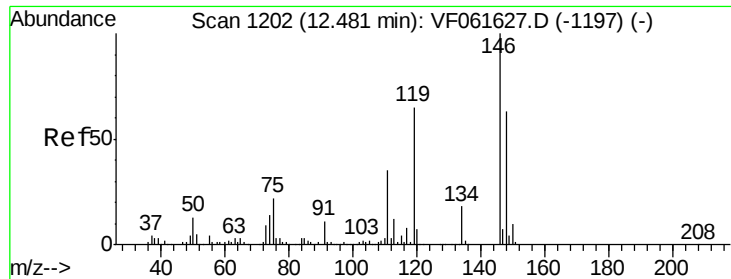


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





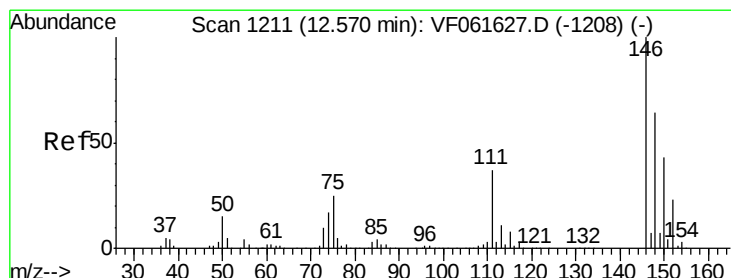
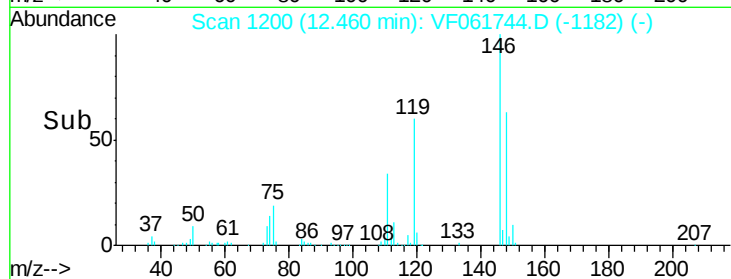
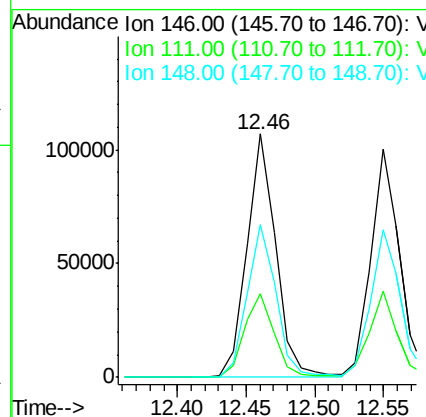
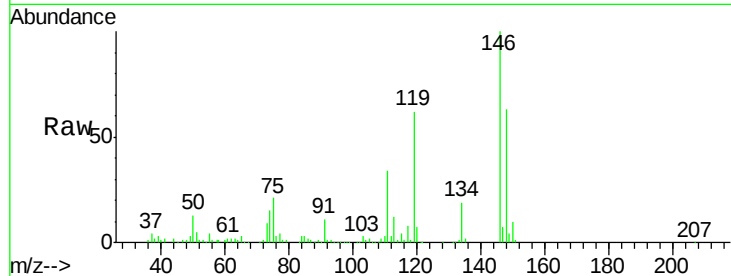
#87
 1,3-Dichlorobenzene
 Concen: 21.495 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	157560		
111	34.4	17.5	52.6	
148	62.5	31.4	94.3	

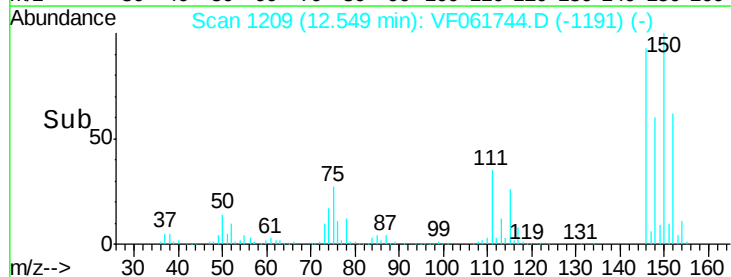
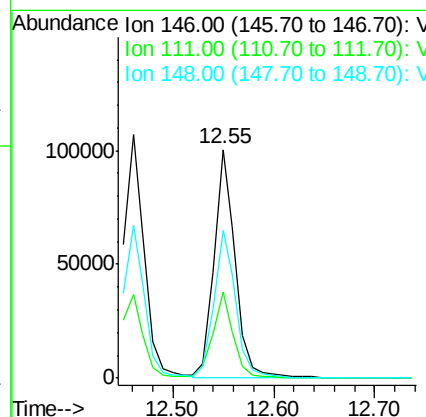
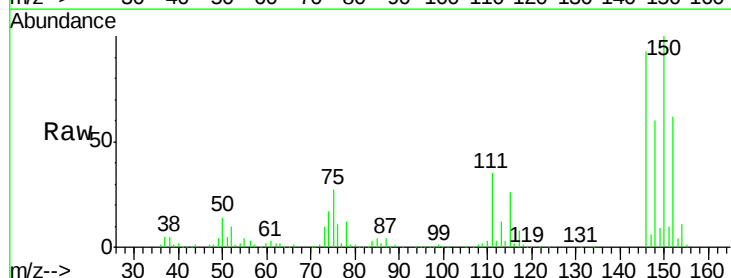
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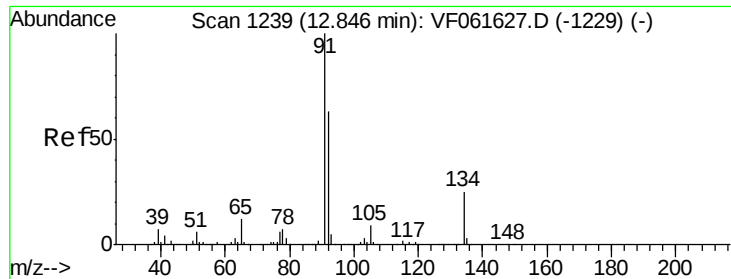
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#88
 1,4-Dichlorobenzene
 Concen: 20.886 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	147232		
111	37.5	18.4	55.4	
148	64.8	32.2	96.6	





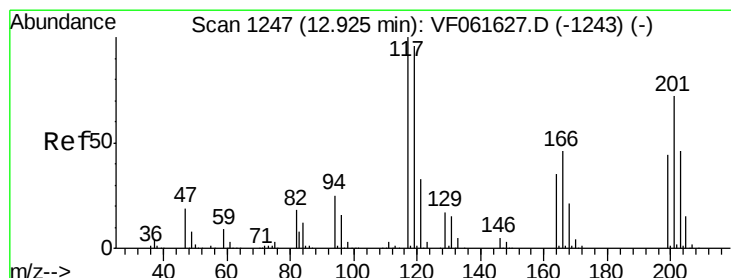
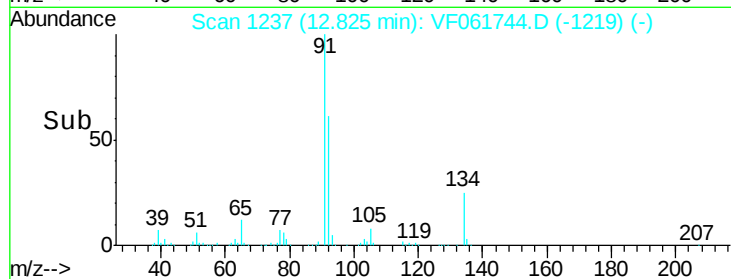
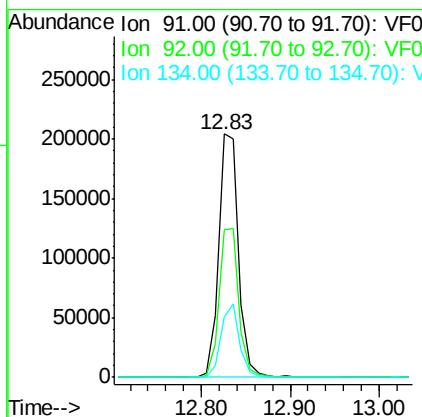
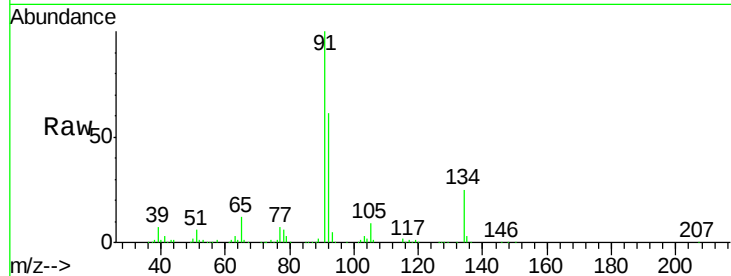
#89
n-Butylbenzene
Concen: 23.102 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	318976		
92	60.9		31.4	94.3
134	24.7		12.3	36.9

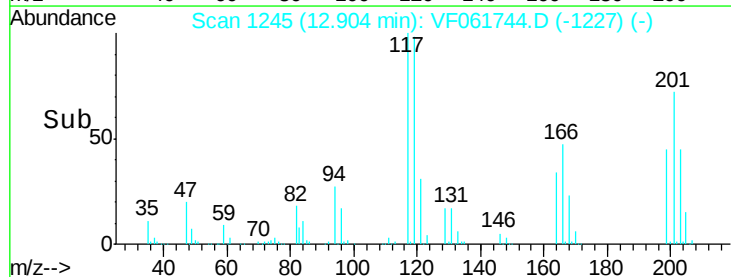
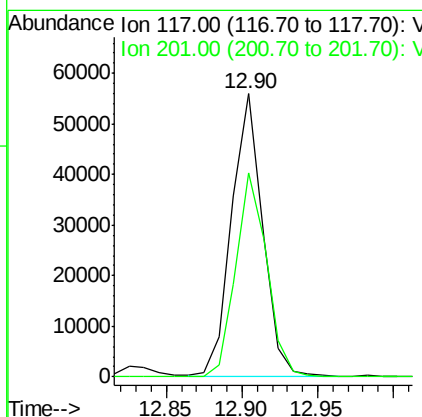
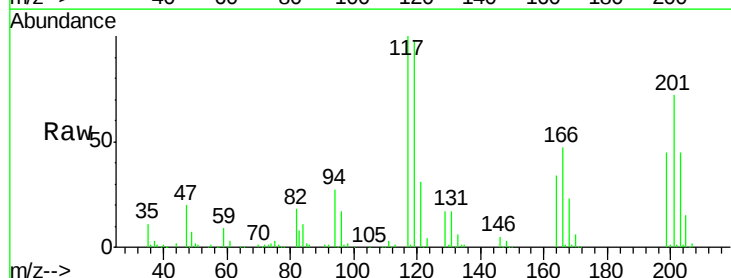
Manual Integrations
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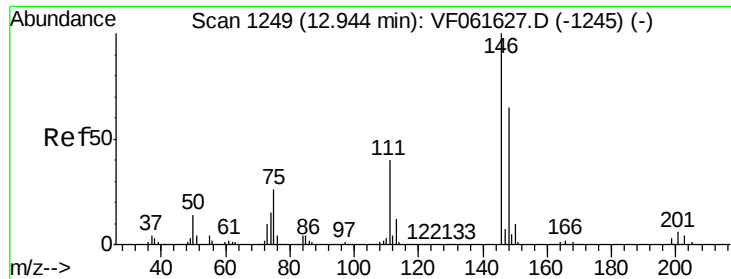
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#90
Hexachloroethane
Concen: 23.614 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	80303		
201	72.3		36.2	108.6





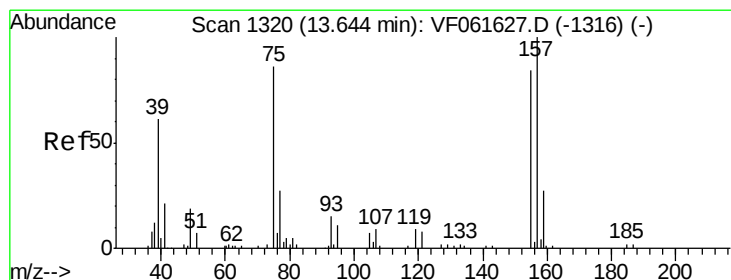
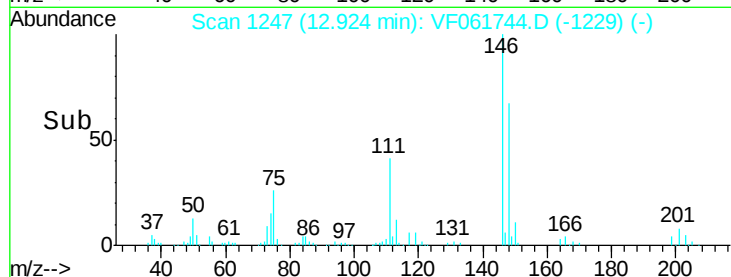
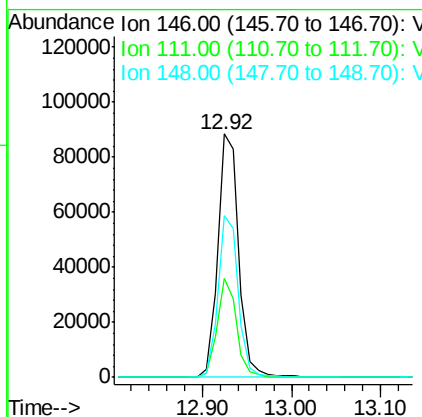
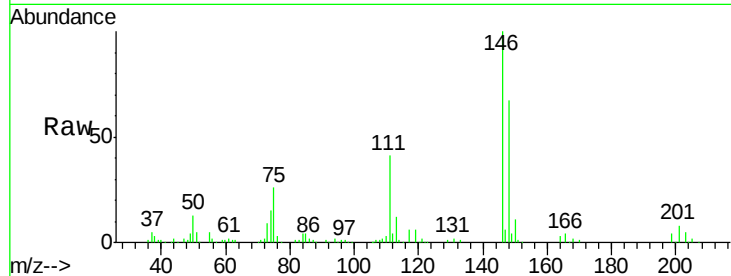
#91
 1,2-Dichlorobenzene
 Concen: 20.955 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.5
148	66.7	32.3	96.9

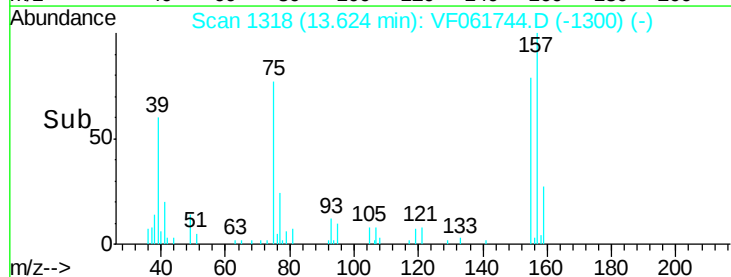
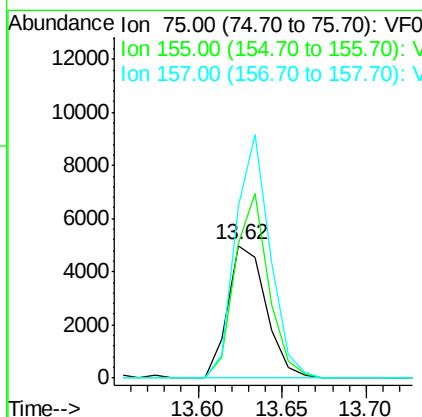
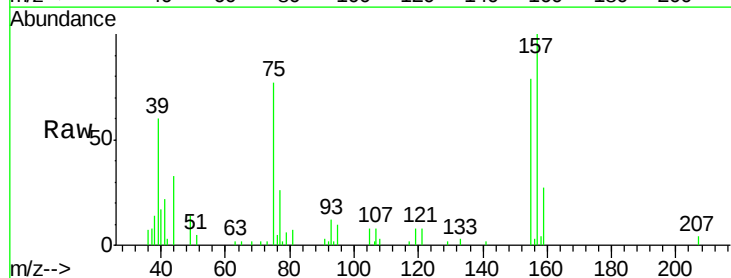
Manual Integrations
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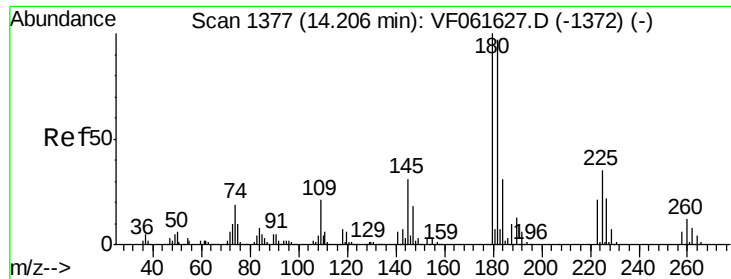
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.124 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	48.9	146.8
157	129.4	58.3	174.8





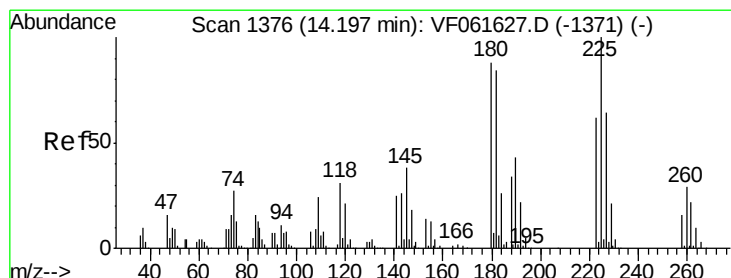
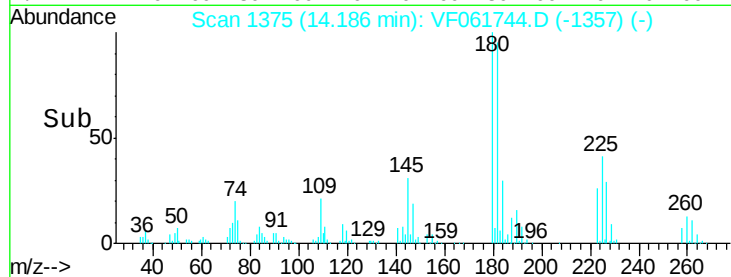
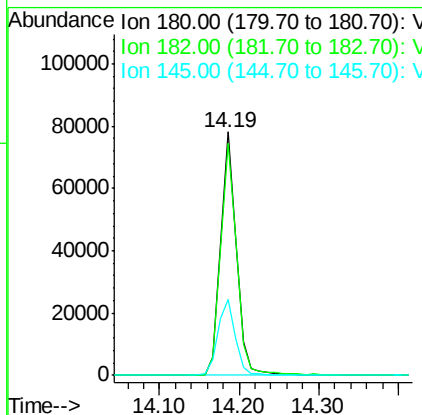
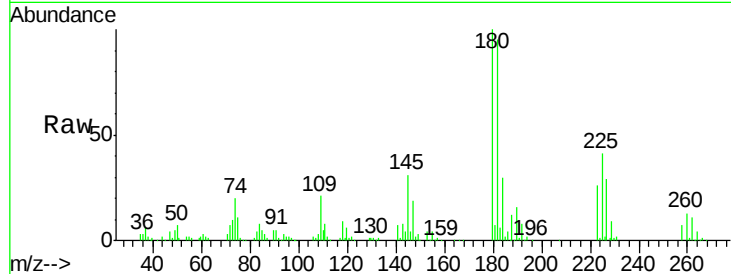
#93
 1,2,4-Trichlorobenzene
 Concen: 22.201 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.6	145.9
145	31.2	15.3	45.9

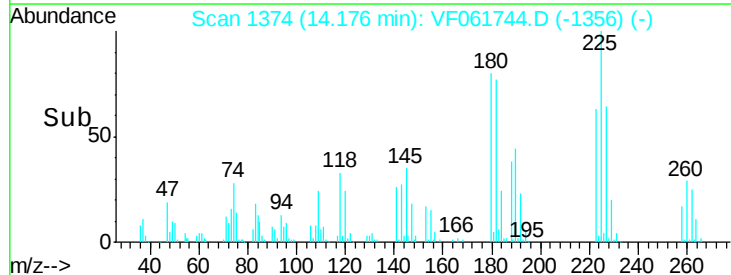
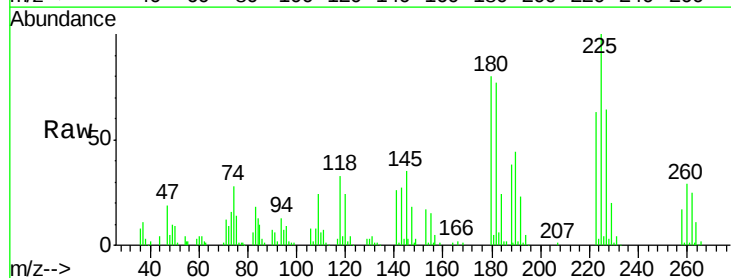
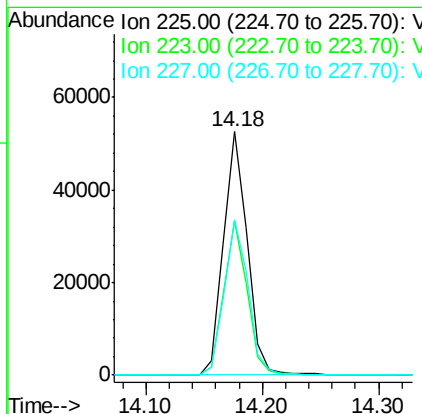
Manual Integrations
 APPROVED

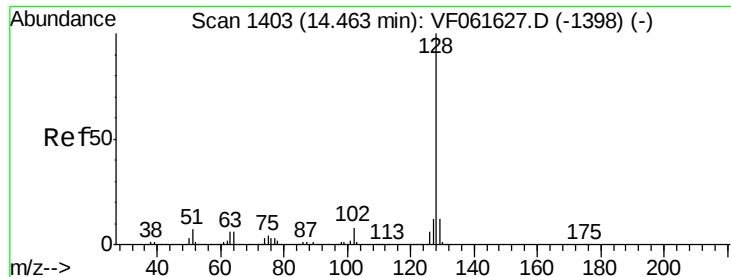
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#94
 Hexachlorobutadiene
 Concen: 23.999 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.7
227	63.8	32.1	96.3





#95

Naphthalene

Concen: 20.031 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

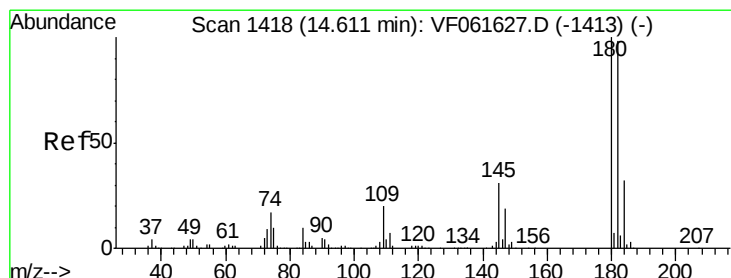
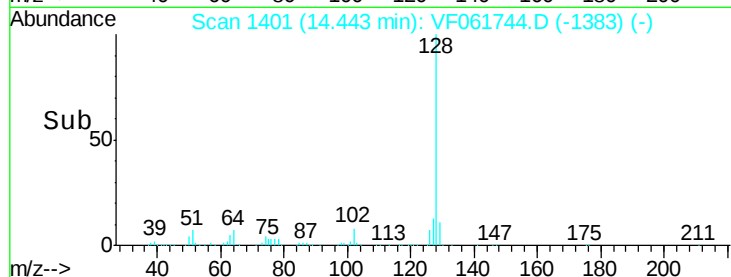
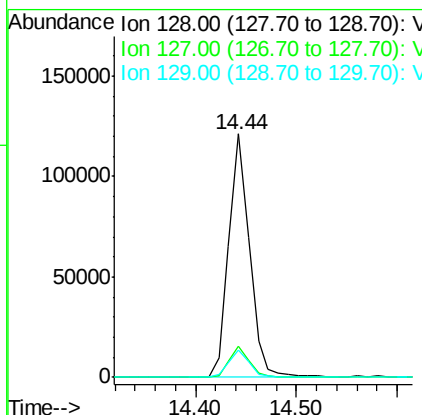
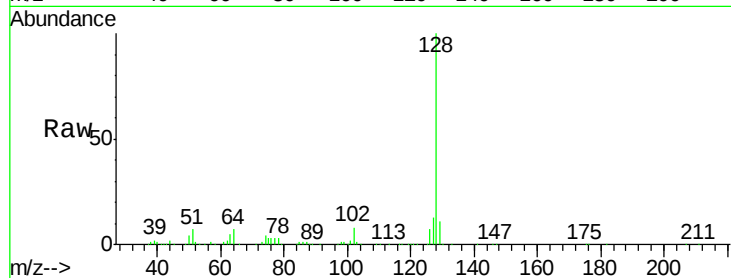
ClientSampleId :

VF0226SBS01

Tot Ion:	128	Resp:	175143
Ion Ratio		Lower	Upper
128	100		
127	12.6	9.8	14.6
129	11.2	9.4	14.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 22.381 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion:	180	Resp:	102656
Ion Ratio		Lower	Upper
180	100		
182	96.8	49.0	147.2
145	29.5	15.4	46.1

