

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062699.D
 Acq On : 22 May 2019 12:09
 Operator : FY/SY
 Sample : VF0522SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:16:19 PM

Quant Time: May 23 01:48:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	839289	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1315246	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	978976	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	486598	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	284317	47.94	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.88%	
35) Dibromofluoromethane	4.30	113	520968	51.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.52%	
50) Toluene-d8	7.70	98	1174433	48.87	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.49	95	397309	43.59	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	204262	17.884	ug/l	100
3) Chloromethane	1.14	50	177580	16.886	ug/l	92
4) Vinyl Chloride	1.19	62	167771	17.331	ug/l	94
5) Bromomethane	1.40	94	89008	16.807	ug/l	90
6) Chloroethane	1.44	64	57389	16.142	ug/l #	84
7) Trichlorofluoromethane	1.55	101	257798	19.833	ug/l	89
8) Diethyl Ether	1.71	74	48035	18.654	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.90	101	157900	19.078	ug/l	91
10) Methyl Iodide	1.98	142	324667	19.969	ug/l	96
11) Tert butyl alcohol	2.70	59	36106	92.211	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	145082	19.243	ug/l	97
13) Acrolein	2.10	56	35101	85.878	ug/l	88
14) Allyl chloride	2.19	41	137284m	20.119	ug/l	
15) Acrylonitrile	3.08	53	93044	84.239	ug/l	95
16) Acetone	2.34	43	117689	76.489	ug/l #	88
17) Carbon Disulfide	1.92	76	407883	18.252	ug/l	95
18) Methyl Acetate	2.46	43	47038	19.454	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	250640	18.596	ug/l	94
20) Methylene Chloride	2.32	84	154853	20.078	ug/l	92
21) trans-1,2-Dichloroethene	2.42	96	151429	20.549	ug/l	94
22) Diisopropyl ether	2.93	45	310182	18.430	ug/l	97
23) Vinyl Acetate	3.34	43	1028522	90.595	ug/l	99
24) 1,1-Dichloroethane	3.00	63	249578	20.215	ug/l	98
25) 2-Butanone	4.52	43	260524	79.251	ug/l	95
26) 2,2-Dichloropropane	3.77	77	144676	20.480	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	240184	19.814	ug/l	92
28) Bromochloromethane	3.89	49	134073	19.362	ug/l	86
29) Tetrahydrofuran	4.26	42	122965	92.437	ug/l	99
30) Chloroform	4.04	83	356435	20.793	ug/l	98
31) Cyclohexane	3.89	56	303713	18.321	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	230123	20.214	ug/l	97
36) 1,1-Dichloropropene	4.46	75	260322	19.316	ug/l	99
37) Ethyl Acetate	4.29	43	107237	19.488	ug/l	95
38) Carbon Tetrachloride	4.18	117	209917	20.710	ug/l	93

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	337595	20.818	ug/l	96
40) Benzene	4.82	78	796671	21.698	ug/l	97
41) Methacrylonitrile	4.92	41	53637	18.592	ug/l	95
42) 1,2-Dichloroethane	5.12	62	153170	20.920	ug/l	93
43) Isopropyl Acetate	7.10	43	113951	15.984	ug/l #	80
44) Trichloroethene	5.67	130	220222	21.341	ug/l	91
45) 1,2-Dichloropropane	6.40	63	187331	20.212	ug/l	95
46) Dibromomethane	6.25	93	116427	21.736	ug/l	99
47) Bromodichloromethane	6.54	83	229654	20.652	ug/l	95
48) Methyl methacrylate	6.87	41	64304	17.257	ug/l	91
49) 1,4-Dioxane	6.86	88	17468	366.012	ug/l #	92
51) 4-Methyl-2-Pentanone	8.39	43	435775	89.427	ug/l	97
52) Toluene	7.77	92	396443	20.589	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	183594	20.181	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	269867	21.191	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	117265	20.568	ug/l	96
56) Ethyl methacrylate	8.75	69	114127	16.802	ug/l	97
57) 1,3-Dichloropropane	8.99	76	192901	19.864	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.44	63	217215	98.247	ug/l	95
59) 2-Hexanone	9.61	43	297861	81.969	ug/l	94
60) Dibromochloromethane	8.85	129	152566	20.532	ug/l	98
61) 1,2-Dibromoethane	9.11	107	122517	20.232	ug/l	100
64) Tetrachloroethene	8.30	164	161135	20.776	ug/l	97
65) Chlorobenzene	9.92	112	406940	21.164	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	166580	21.580	ug/l	95
67) Ethyl Benzene	10.02	91	701832	21.011	ug/l	99
68) m/p-Xylenes	10.25	106	510506	40.663	ug/l	84
69) o-Xylene	10.81	106	254247	19.662	ug/l	97
70) Styrene	10.88	104	383188	19.496	ug/l	100
71) Bromoform	10.87	173	76386	19.759	ug/l #	99
73) Isopropylbenzene	11.20	105	712387	20.427	ug/l	95
74) N-amyl acetate	11.44	43	164885	14.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	136204	19.110	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	88836	18.970	ug/l	95
77) Bromobenzene	11.57	156	165540	19.096	ug/l	92
78) n-propylbenzene	11.67	91	844713	20.466	ug/l	95
79) 2-Chlorotoluene	11.78	91	464239	19.958	ug/l	97
80) 1,3,5-Trimethylbenzene	11.88	105	559647	20.013	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.93	75	40587m	19.498	ug/l	
82) 4-Chlorotoluene	11.96	91	463287	20.197	ug/l	97
83) tert-Butylbenzene	12.19	119	579664	20.431	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	535886	19.799	ug/l	95
85) sec-Butylbenzene	12.36	105	781533	20.526	ug/l	92
86) p-Isopropyltoluene	12.51	119	667427	20.800	ug/l	97
87) 1,3-Dichlorobenzene	12.52	146	322388	20.555	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	298565	20.286	ug/l	98
89) n-Butylbenzene	12.89	91	688483	21.762	ug/l	94
90) Hexachloroethane	12.97	117	160737	20.882	ug/l	76
91) 1,2-Dichlorobenzene	12.99	146	287378	20.556	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	18090	21.276	ug/l	76

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ClientSampleId :
VF0522SBS01

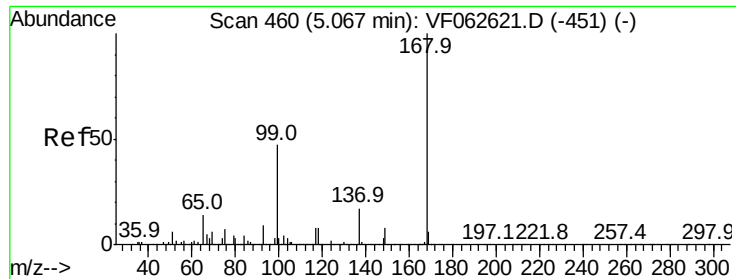
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	206366	20.622	ug/l	94
94) Hexachlorobutadiene	14.22	225	148191	21.219	ug/l	97
95) Naphthalene	14.49	128	297460	16.362	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	183375	19.346	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion:168 Resp: 839289

Ion Ratio Lower Upper

168 100

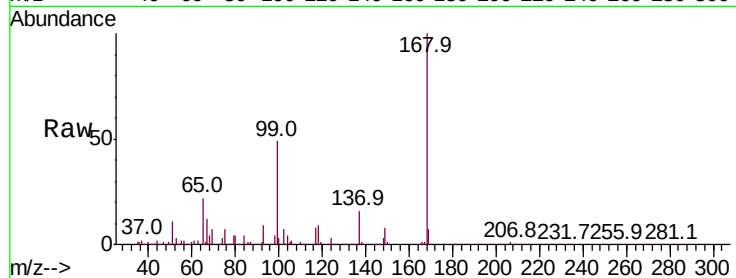
99 48.7 37.8 56.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

300000

250000

200000

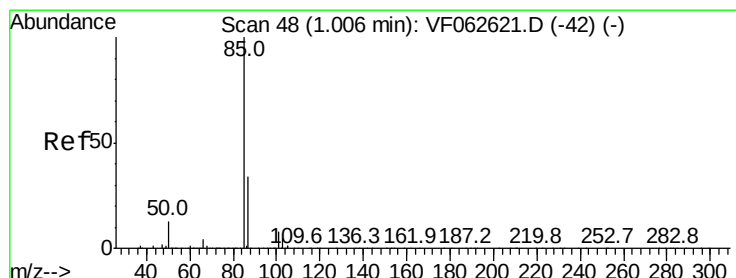
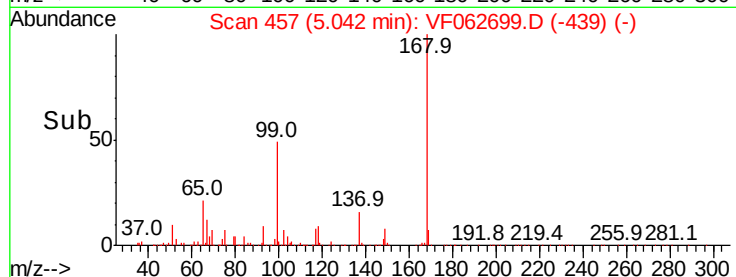
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.884 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion: 85 Resp: 204262

Ion Ratio Lower Upper

85 100

87 33.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

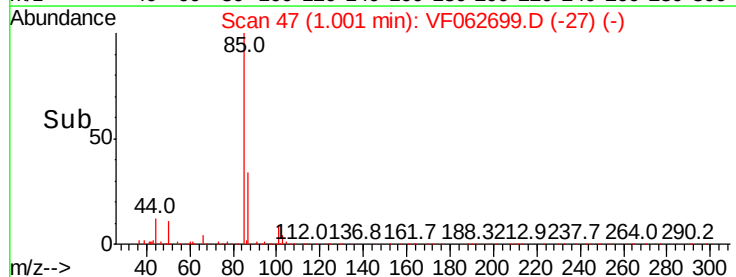
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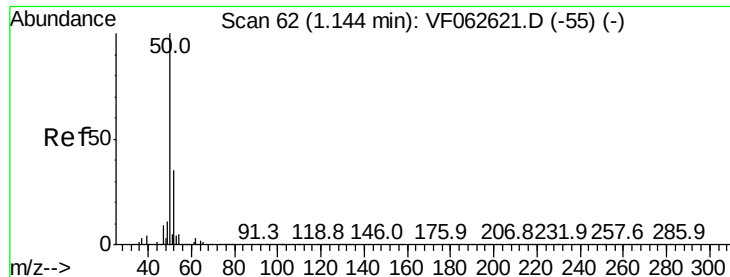
40000

20000

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Time-->





#3

Chloromethane

Concen: 16.886 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 50 Resp: 177580

Ion Ratio Lower Upper

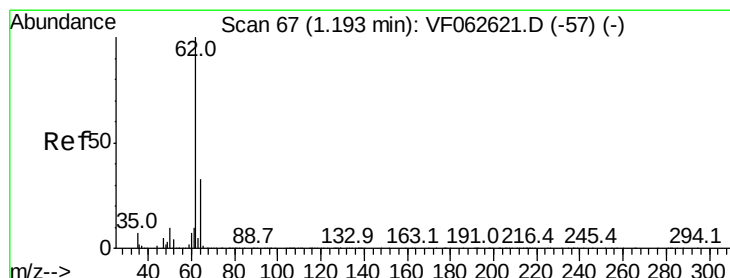
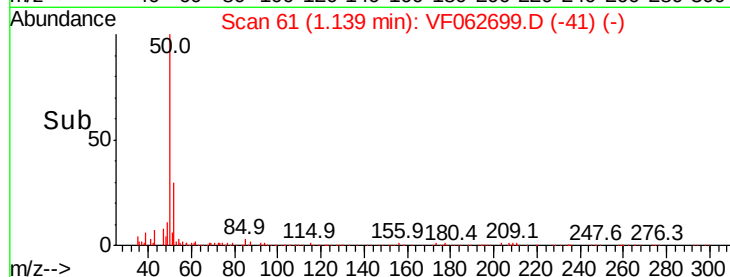
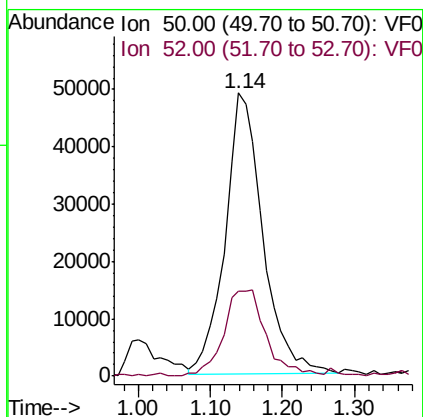
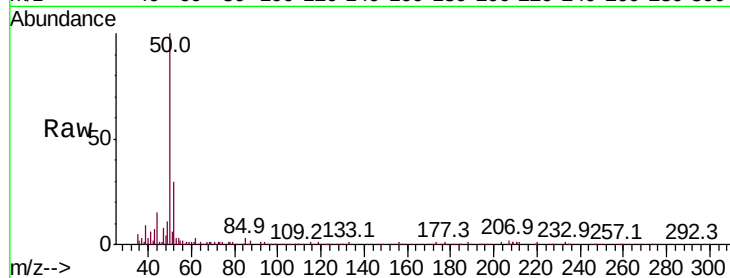
50 100

52 30.1 27.5 41.3

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#4

Vinyl Chloride

Concen: 17.331 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062699.D

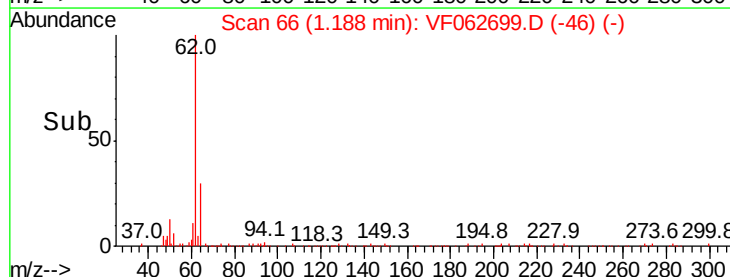
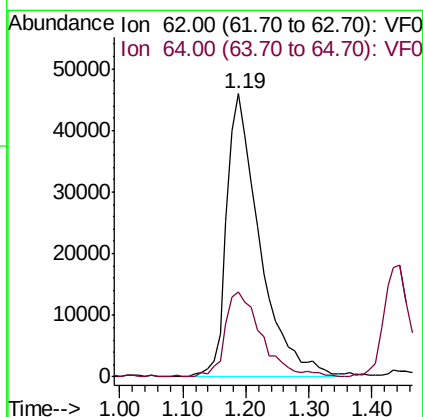
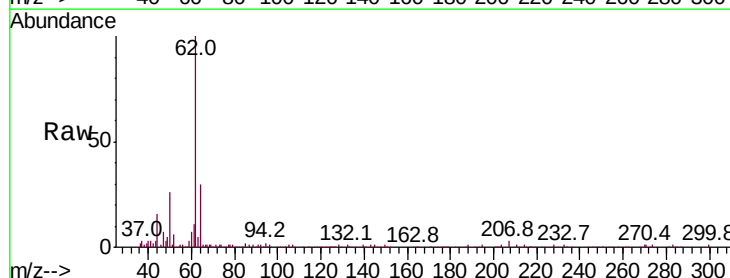
Acq: 22 May 2019 12:09

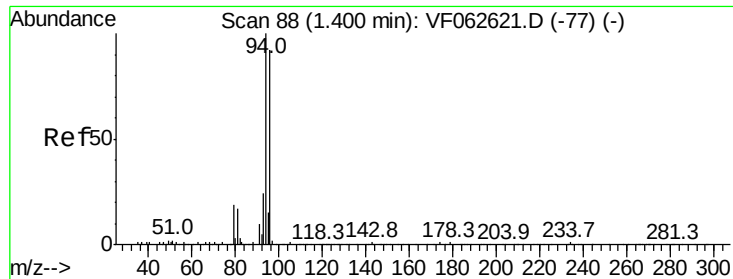
Tgt Ion: 62 Resp: 167771

Ion Ratio Lower Upper

62 100

64 30.1 26.7 40.1





#5

Bromomethane

Concen: 16.807 ug/l

RT: 1.40 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 94 Resp: 89008

Ion Ratio Lower Upper

94 100

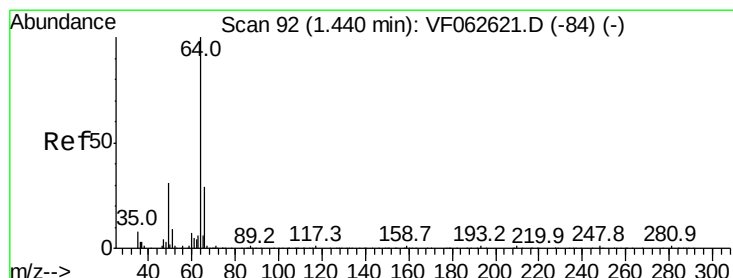
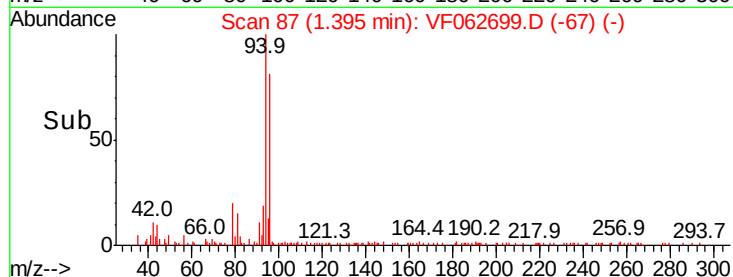
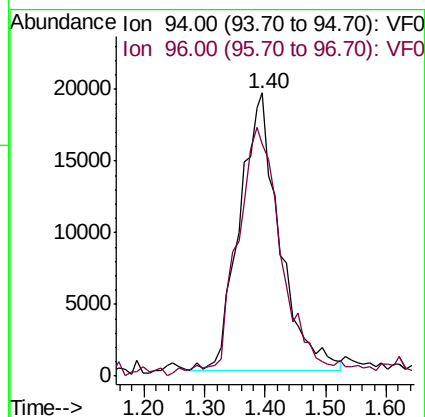
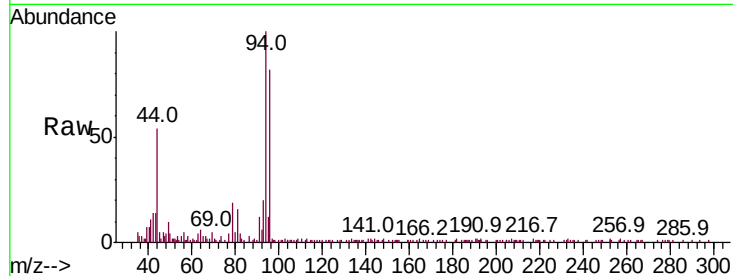
96 81.9 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 16.142 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062699.D

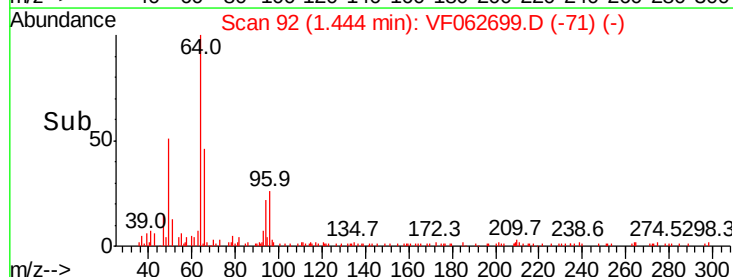
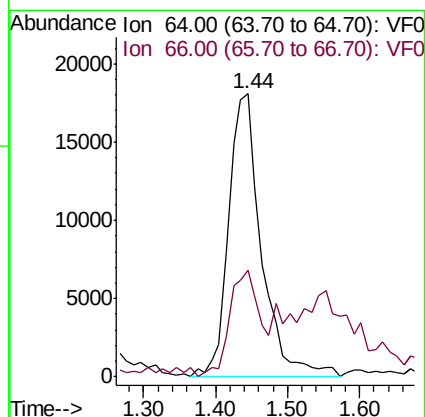
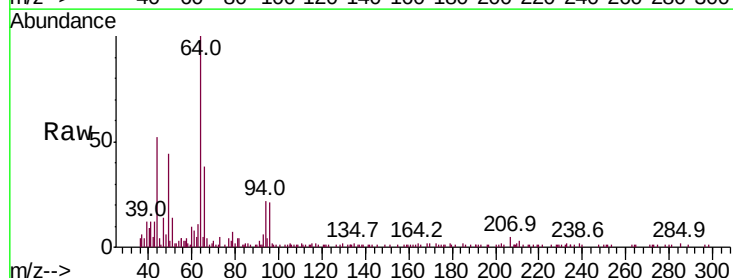
Acq: 22 May 2019 12:09

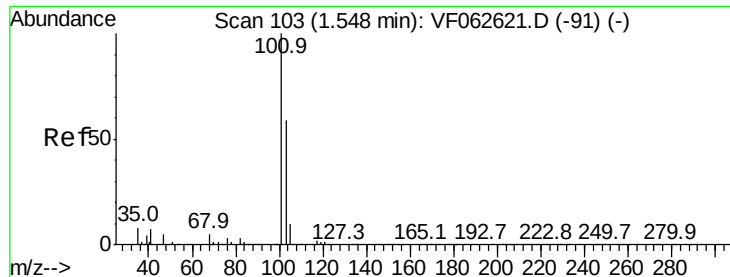
Tgt Ion: 64 Resp: 57389

Ion Ratio Lower Upper

64 100

66 37.7 23.4 35.2#





#7

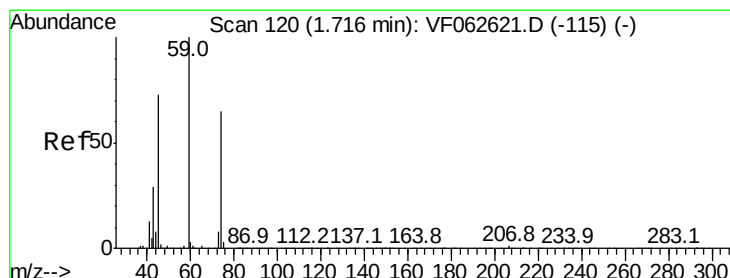
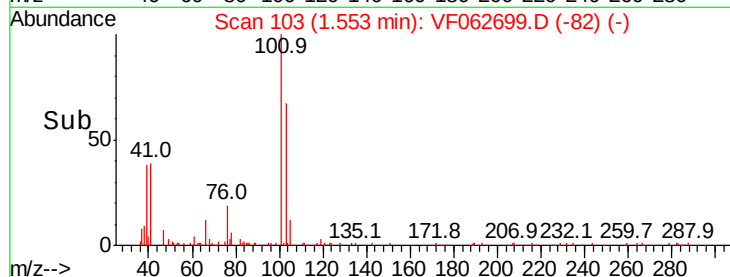
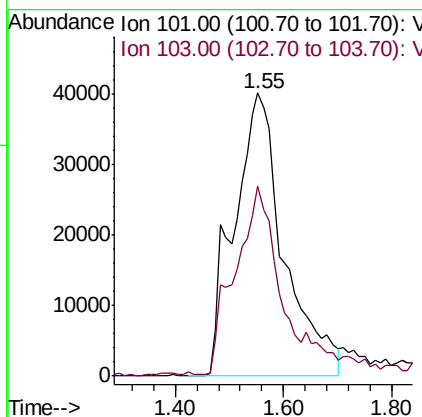
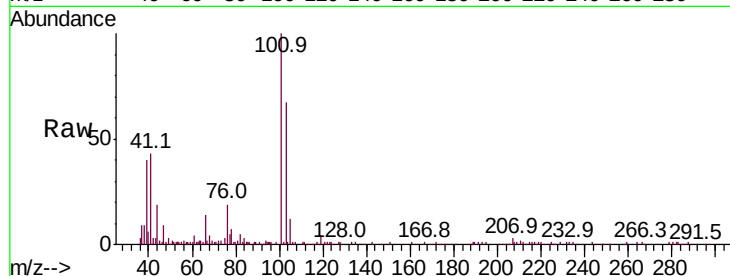
Trichlorofluoromethane
Concen: 19.833 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	257798		
103	67.3		47.3	70.9

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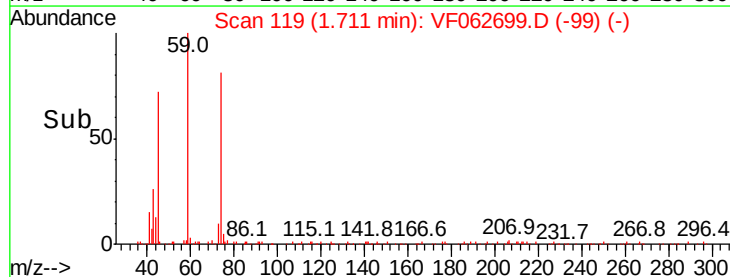
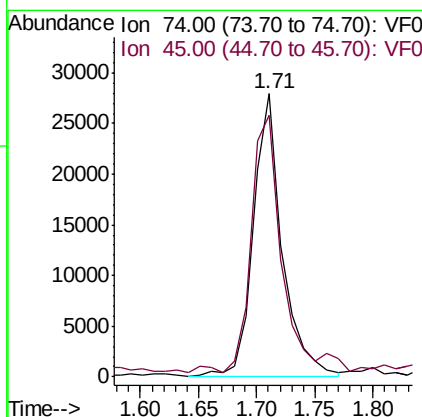
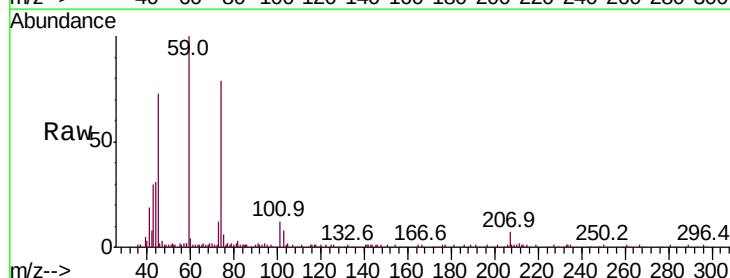
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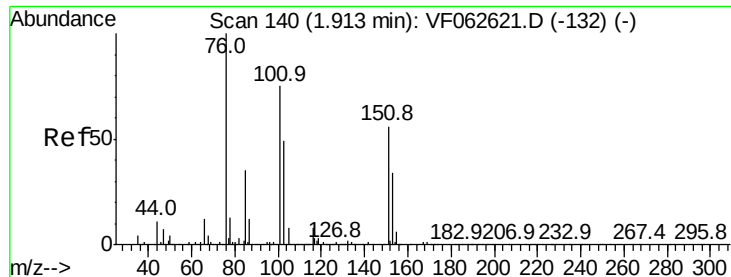


#8

Diethyl Ether
Concen: 18.654 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48035		
45	92.6		57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.078 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

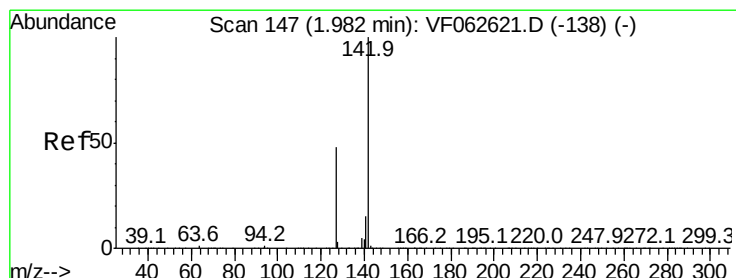
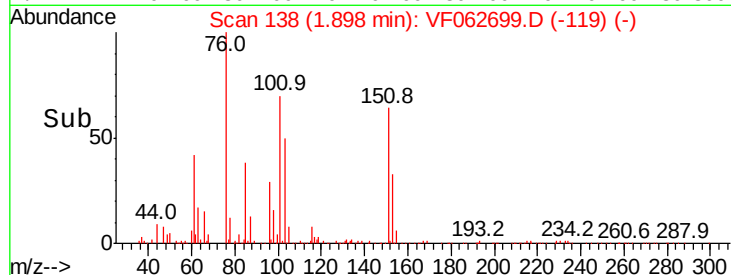
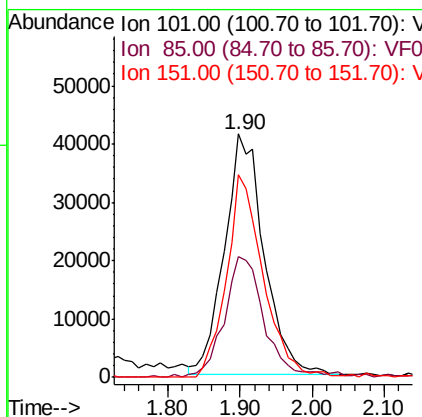
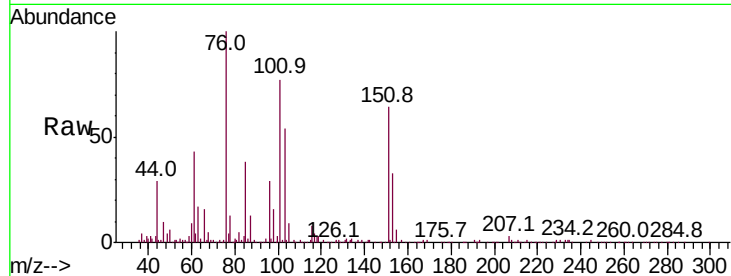
ClientSampleId :

VF0522SBS01

Tot Ion:	101	Resp:	157900
Ion Ratio	Lower	Upper	
101	100		
85	49.7	37.1	55.7
151	83.4	58.8	88.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.969 ug/l

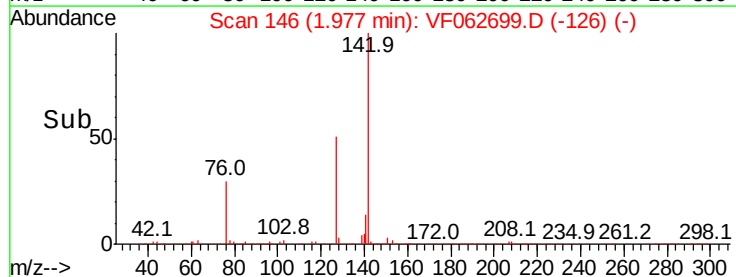
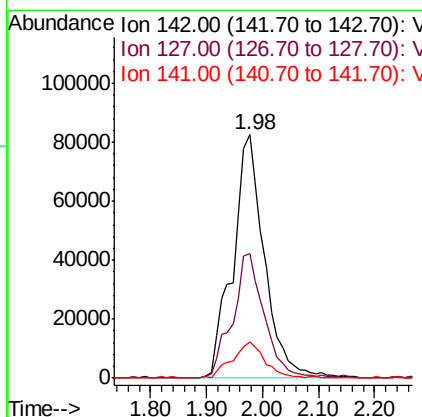
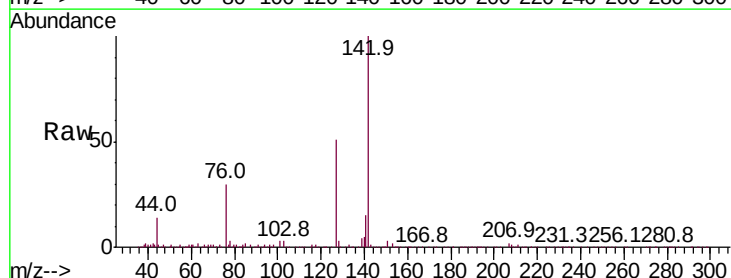
RT: 1.98 min Scan# 146

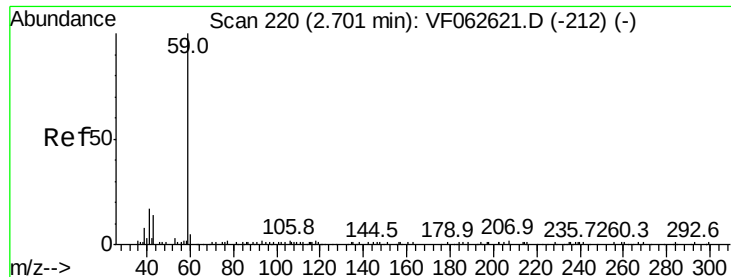
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	142	Resp:	324667
Ion Ratio	Lower	Upper	
142	100		
127	51.2	38.1	57.1
141	14.8	11.7	17.5





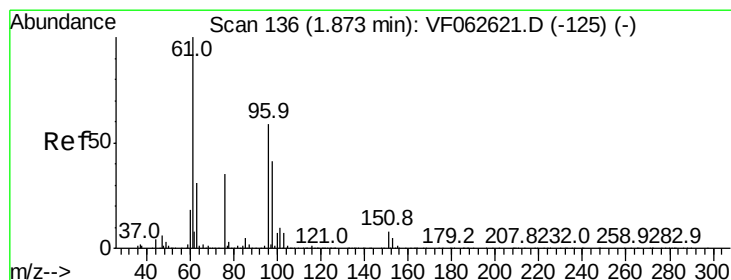
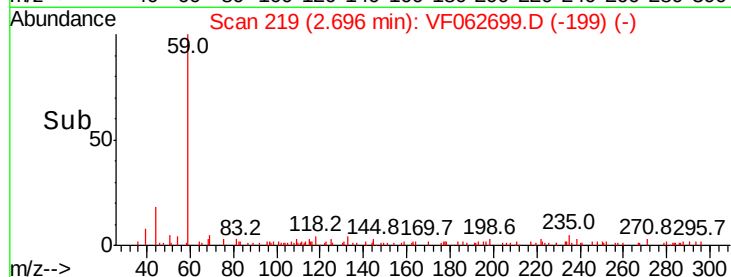
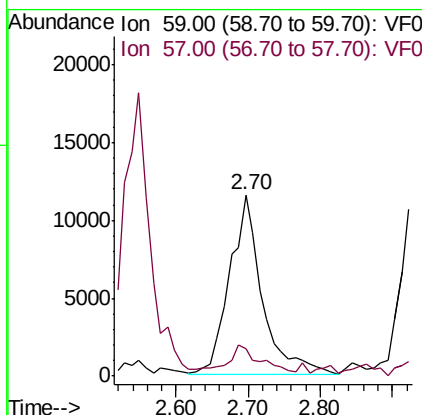
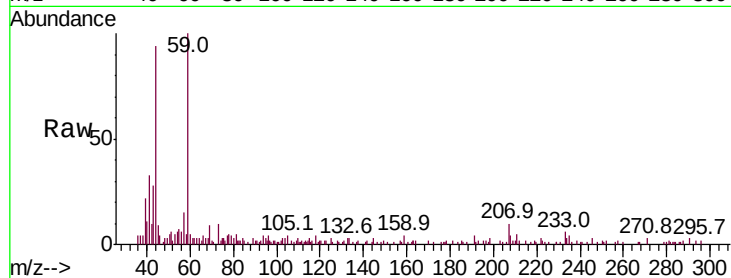
#11
Tert butyl alcohol
Concen: 92.211 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.0	9.3	13.9#

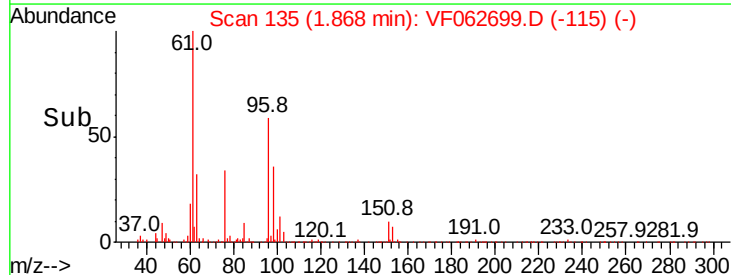
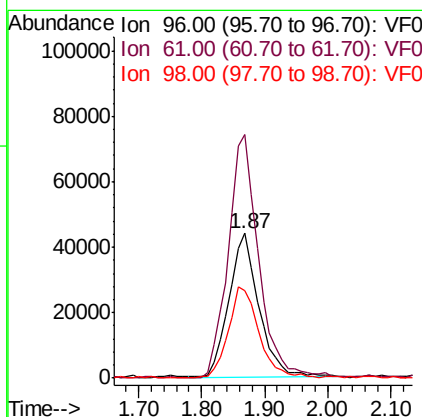
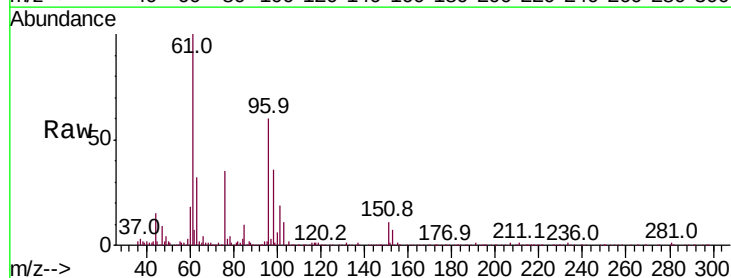
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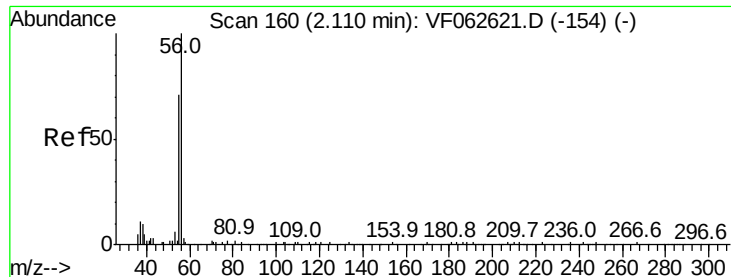
MMDadoda
5/23/2019 12:16:19 PM



#12
1,1-Dichloroethene
Concen: 19.243 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.3	201.5
98	60.7	55.0	82.6





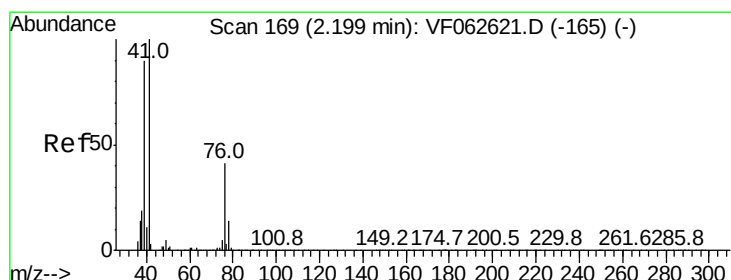
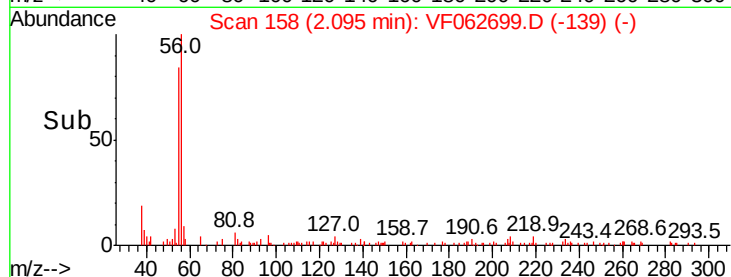
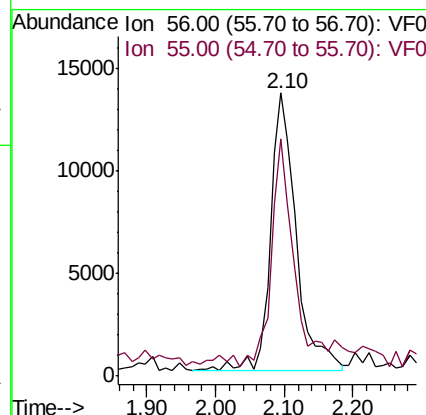
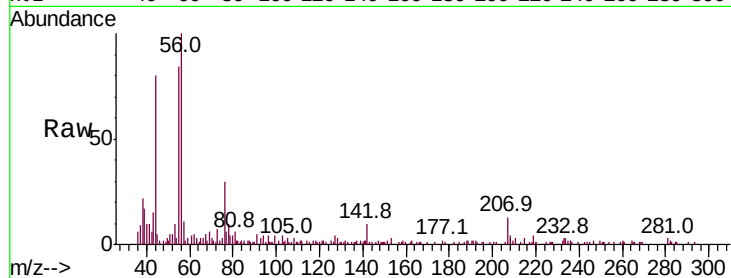
#13
Acrolein
Concen: 85.878 ug/l
RT: 2.10 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	56	Resp	35101
Ion Ratio	100	Lower	Upper
56	100		
55	84.0	59.4	89.0

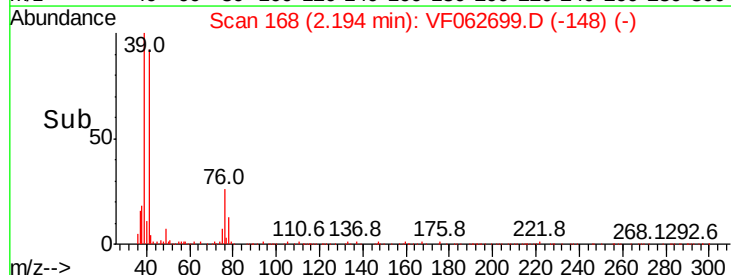
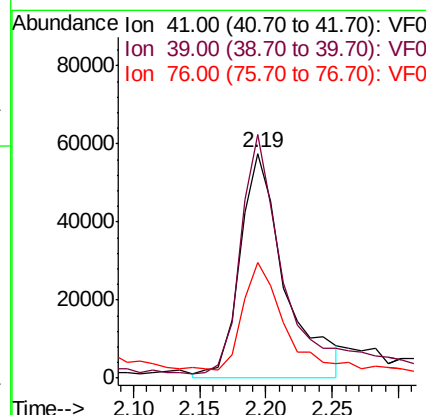
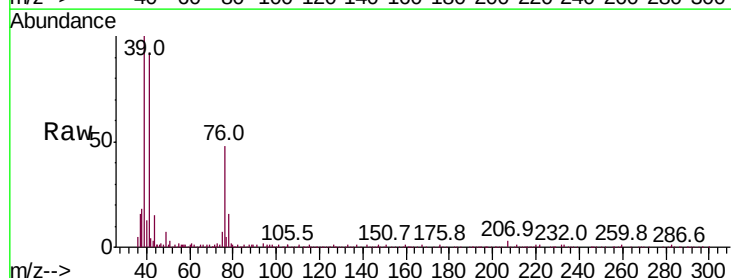
Manual Integrations
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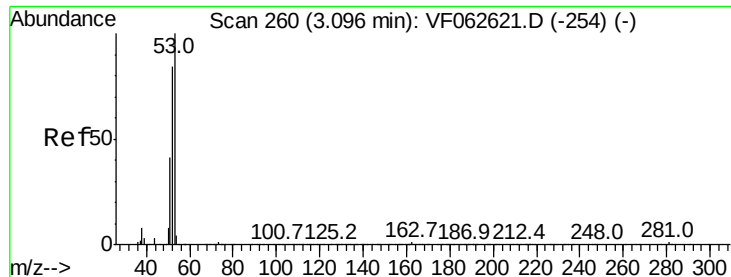
MMDadoda
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#14
Allyl chloride
Concen: 20.119 ug/l m
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	41	Resp	137284
Ion Ratio	100	Lower	Upper
41	100		
39	108.3	72.0	108.0#
76	51.7	34.8	52.2





#15

Acrylonitrile

Concen: 84.239 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

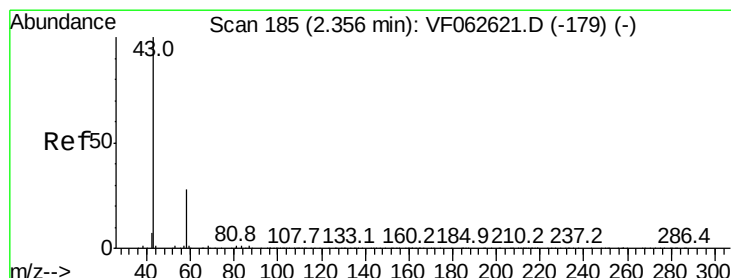
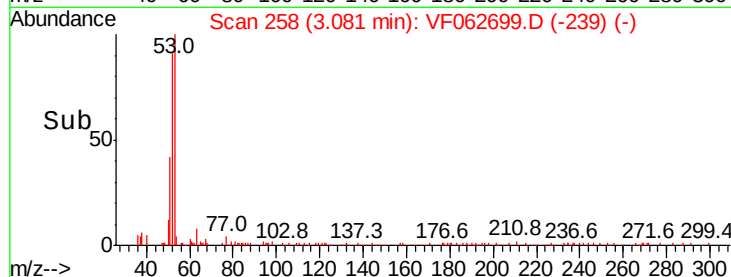
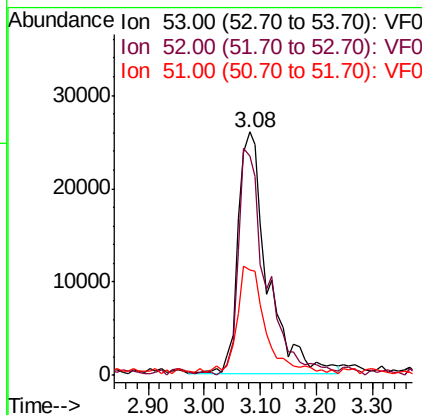
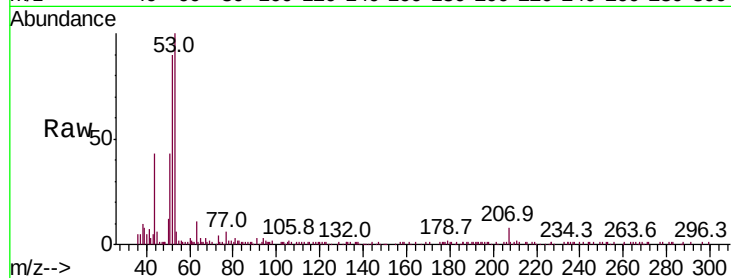
ClientSampleId :

VF0522SBS01

Tot Ion:	53	Resp:	93044
Ion Ratio	Lower	Upper	
53	100		
52	89.9	67.3	100.9
51	43.1	33.0	49.6

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#16

Acetone

Concen: 76.489 ug/l

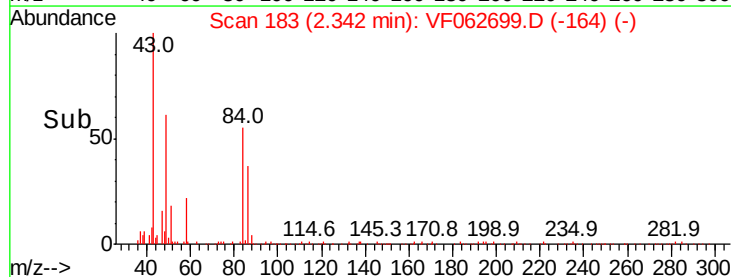
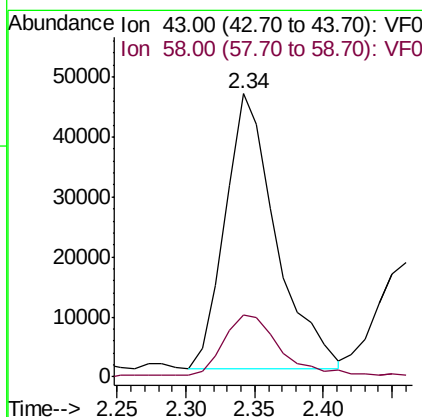
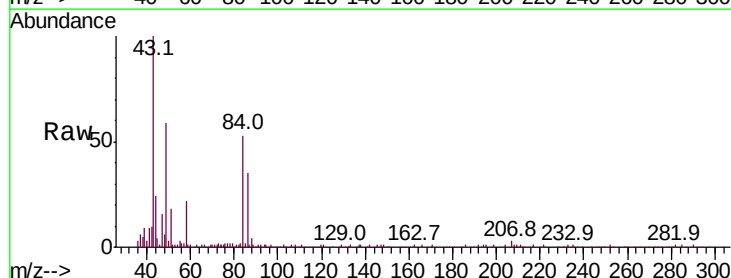
RT: 2.34 min Scan# 183

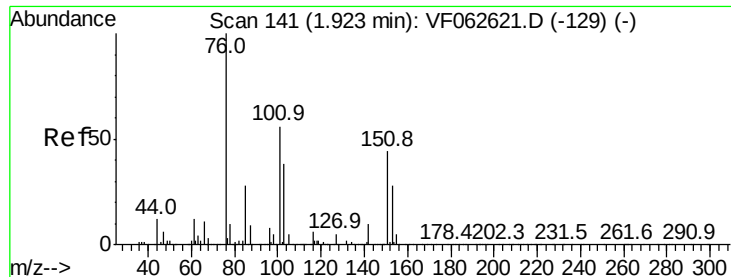
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	43	Resp:	117689
Ion Ratio	Lower	Upper	
43	100		
58	22.0	22.6	33.8#





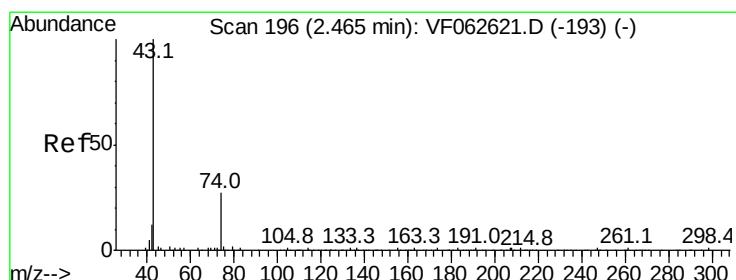
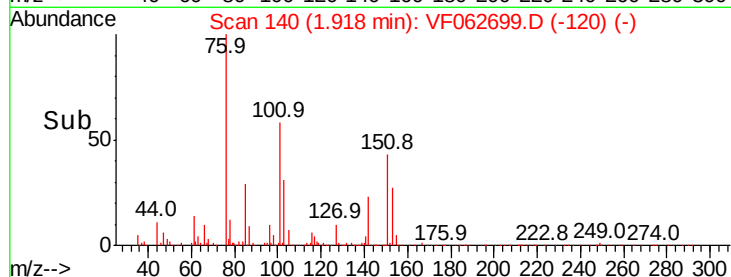
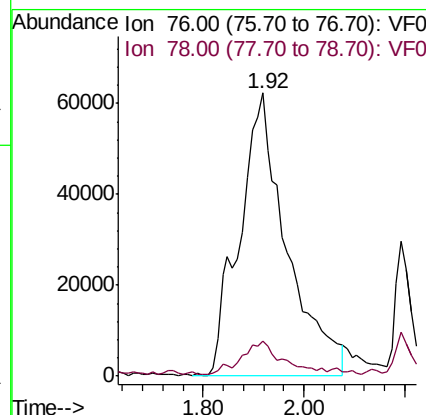
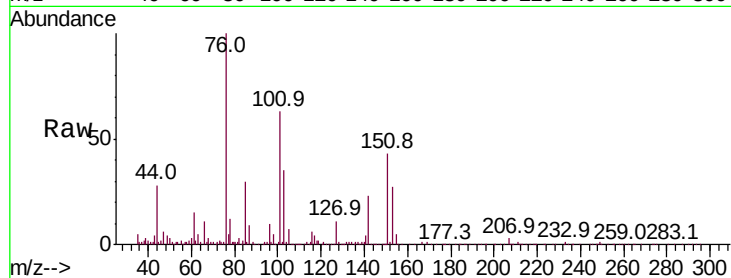
#17
Carbon Disulfide
Concen: 18.252 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.4	8.4	12.6

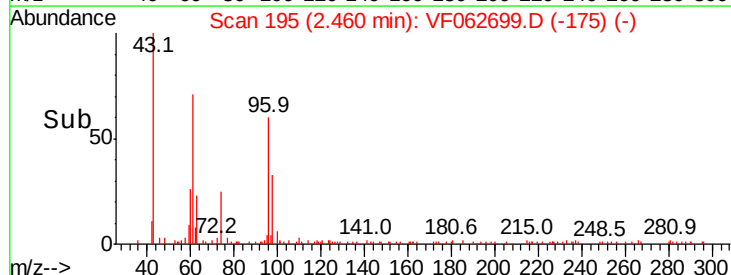
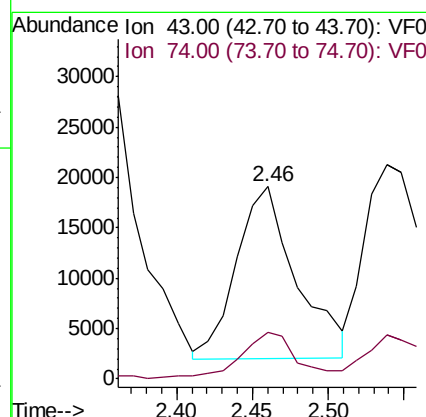
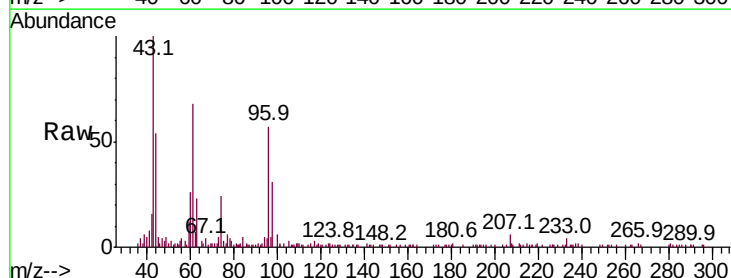
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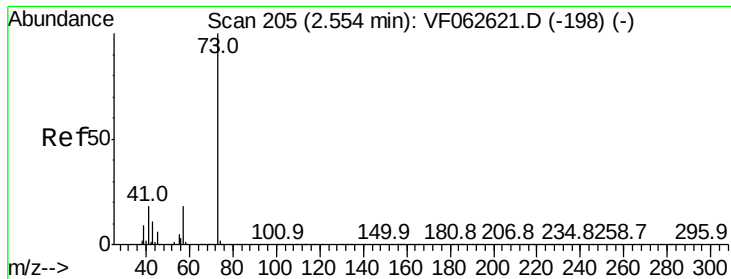
MMDadoda
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#18
Methyl Acetate
Concen: 19.454 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3





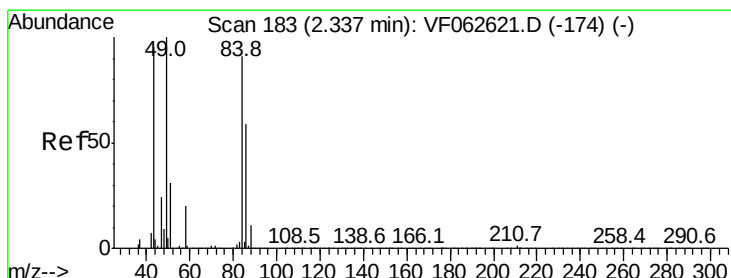
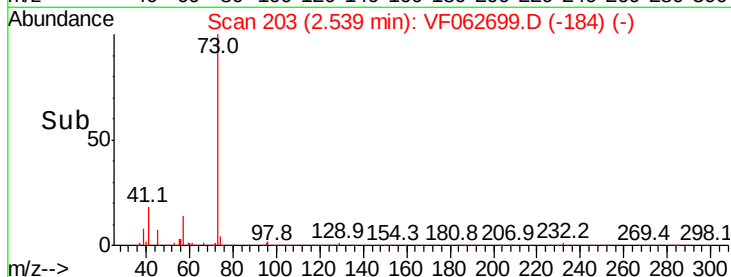
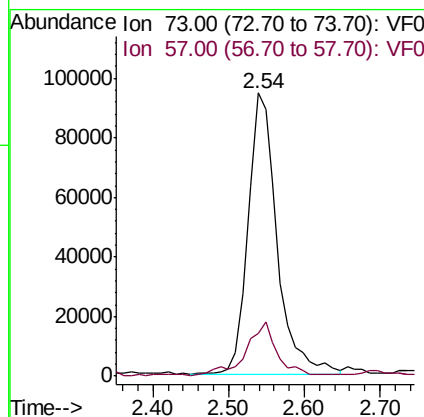
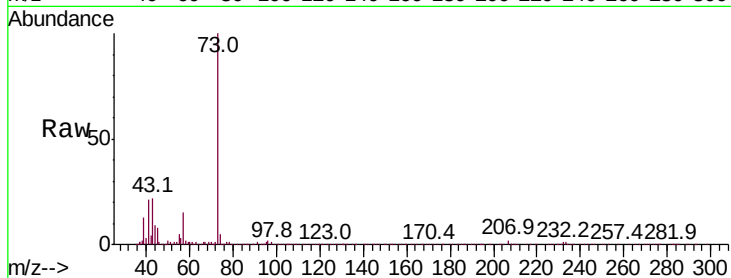
#19
Methyl tert-butyl Ether
Concen: 18.596 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.2	14.2	21.4

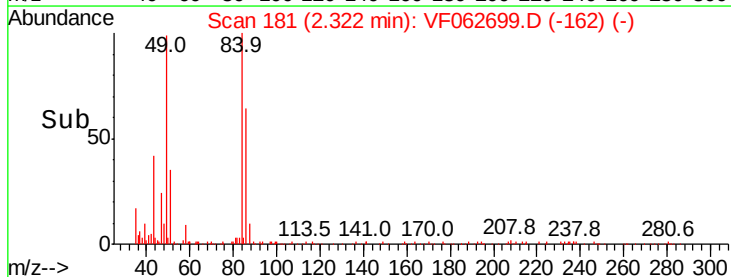
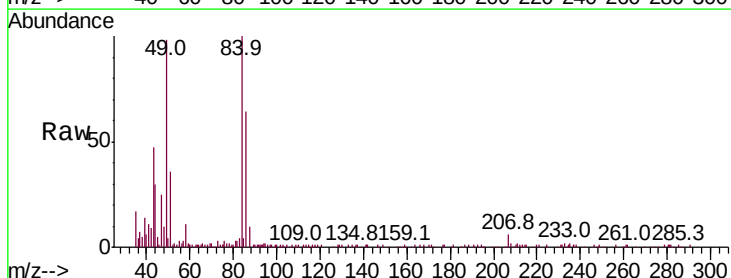
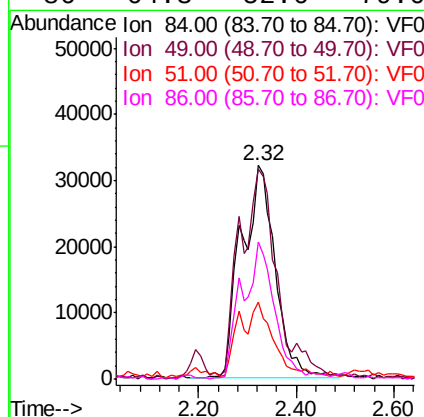
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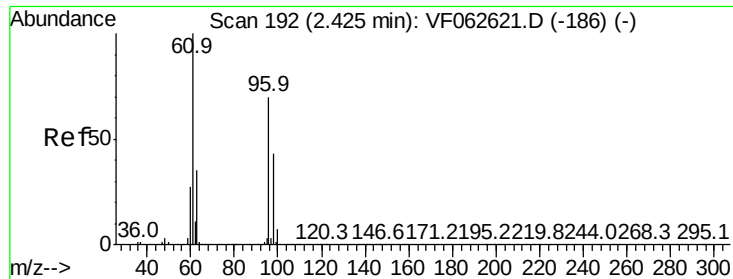
MMDadoda
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#20
Methylene Chloride
Concen: 20.078 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	98.1	89.8	134.8
51	35.9	28.4	42.6
86	64.3	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 20.549 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

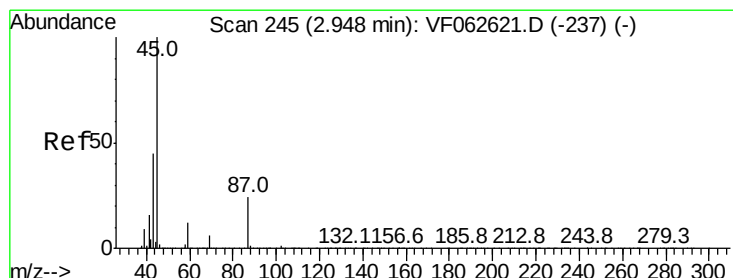
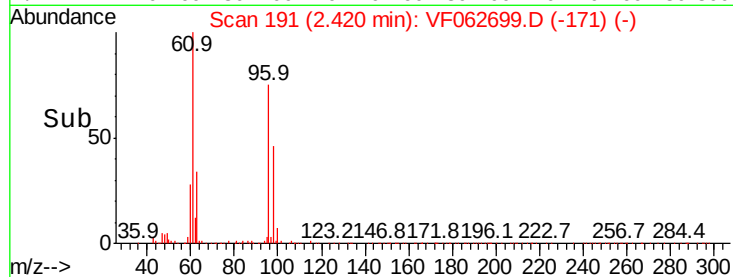
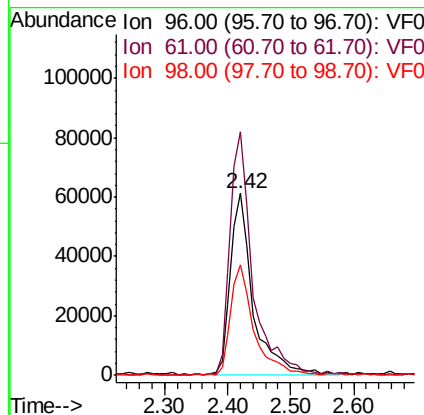
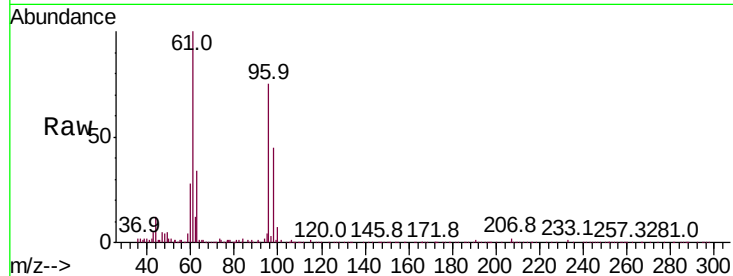
ClientSampleId :

VF0522SBS01

Tot Ion:	96	Resp:	151429
Ion	Ratio	Lower	Upper
96	100		
61	133.7	114.6	171.8
98	60.7	49.5	74.3

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#22

Diisopropyl ether

Concen: 18.430 ug/l

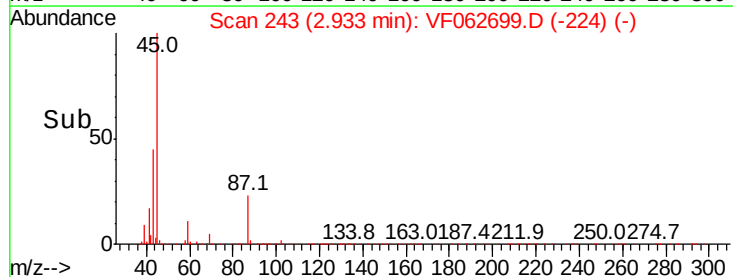
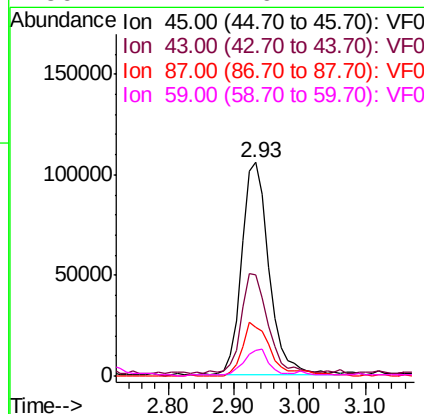
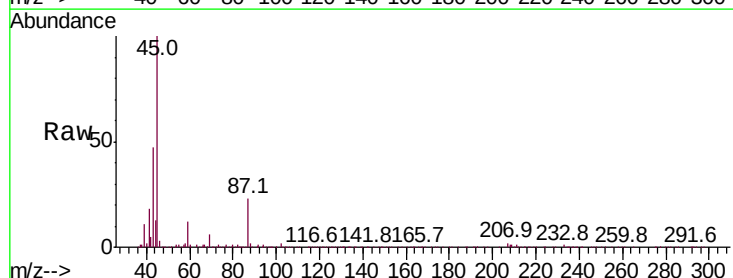
RT: 2.93 min Scan# 243

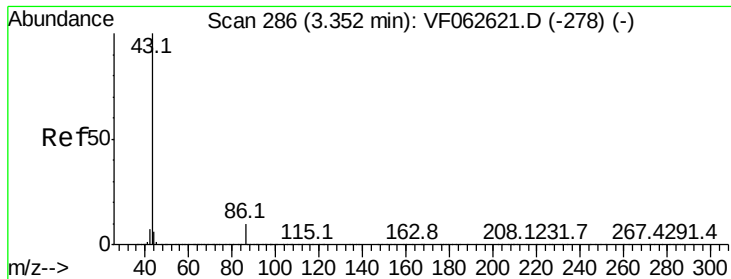
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	45	Resp:	310182
Ion	Ratio	Lower	Upper
45	100		
43	47.4	36.4	54.6
87	22.7	19.3	28.9
59	12.2	9.4	14.2





#23

Vinyl Acetate

Concen: 90.595 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 43 Resp: 1028522

Ion Ratio Lower Upper

43 100

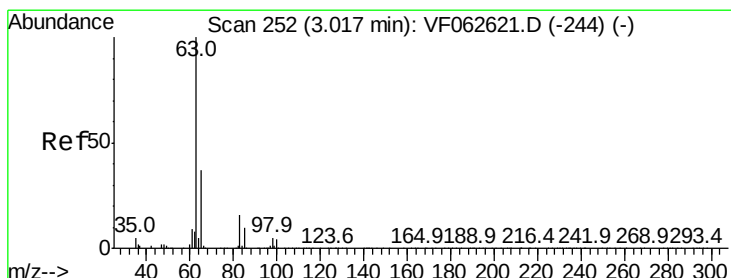
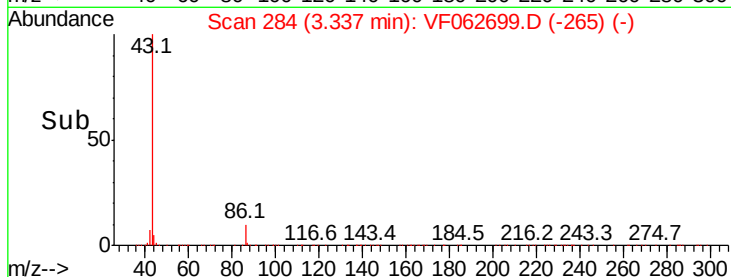
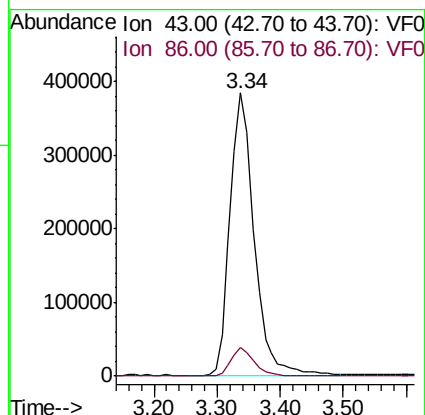
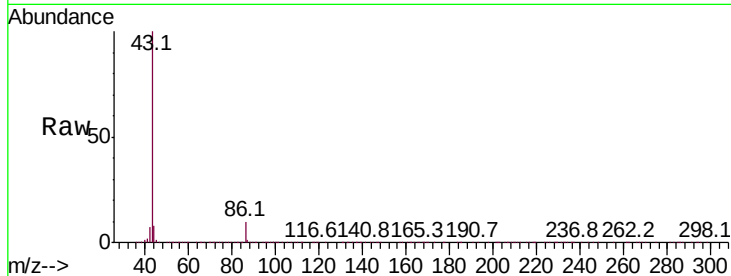
86 9.9 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.215 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

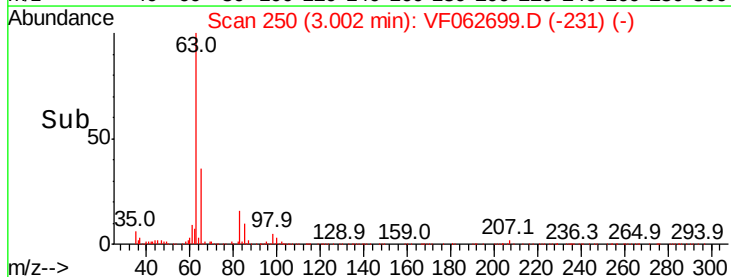
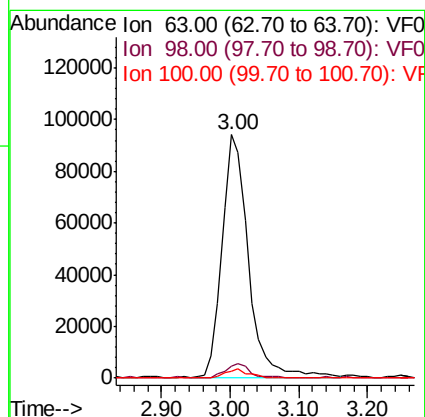
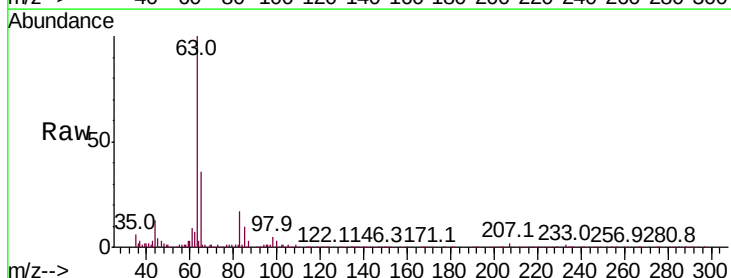
Tgt Ion: 63 Resp: 249578

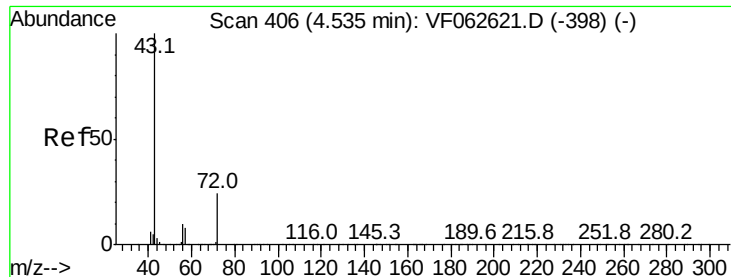
Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.3

100 2.9 1.9 5.7





#25

2-Butanone

Concen: 79.251 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 43 Resp: 260524

Ion Ratio Lower Upper

43 100

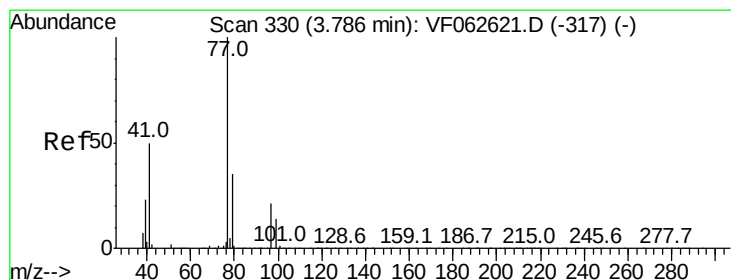
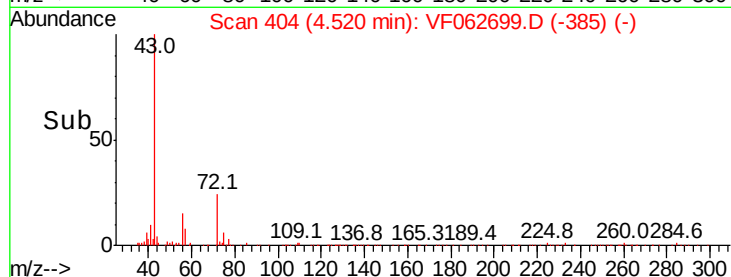
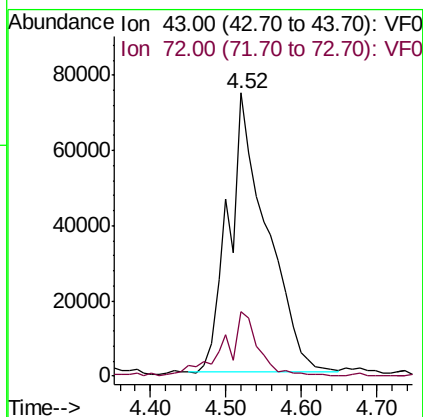
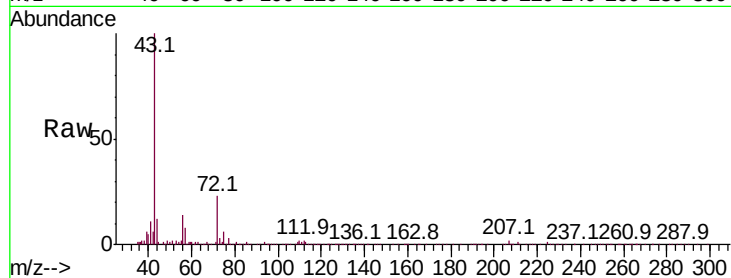
72 22.7 20.1 30.1

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.480 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF062699.D

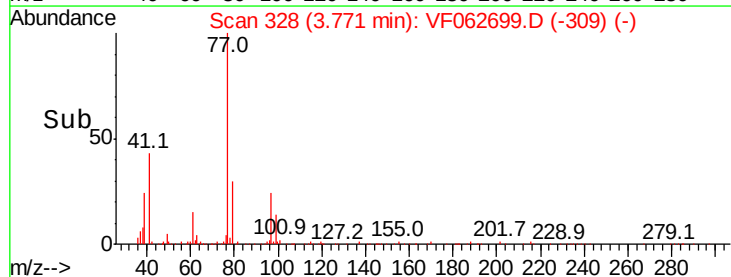
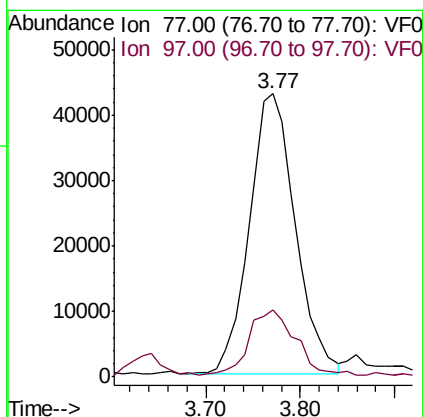
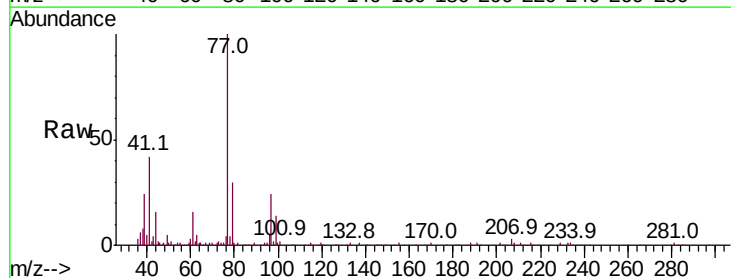
Acq: 22 May 2019 12:09

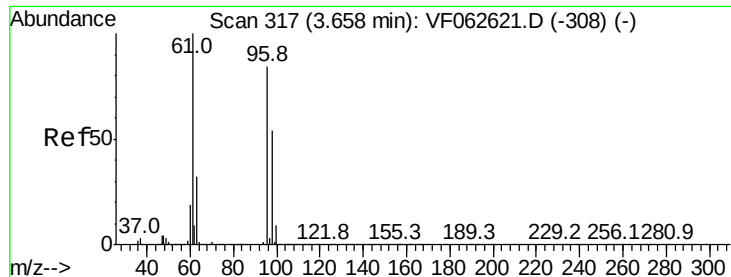
Tgt Ion: 77 Resp: 144676

Ion Ratio Lower Upper

77 100

97 23.8 14.1 42.4





#27

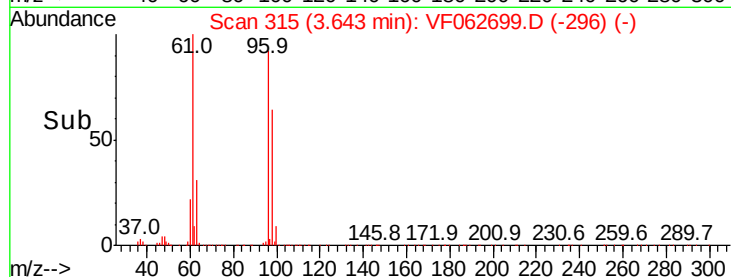
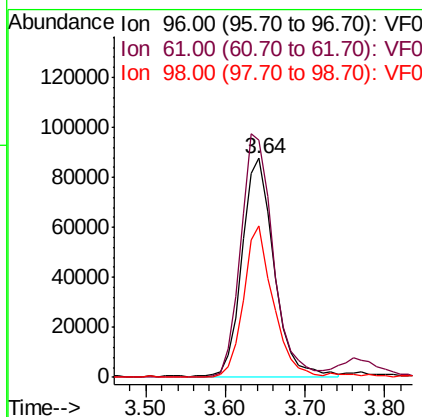
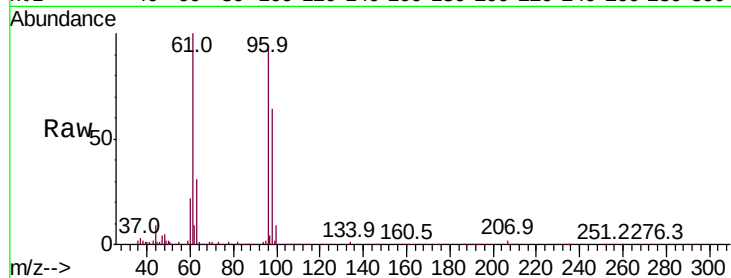
cis-1,2-Dichloroethene
Concen: 19.814 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	240184		
61	108.2	0.0	237.4	
98	69.0	0.0	129.0	

Manual Integrations
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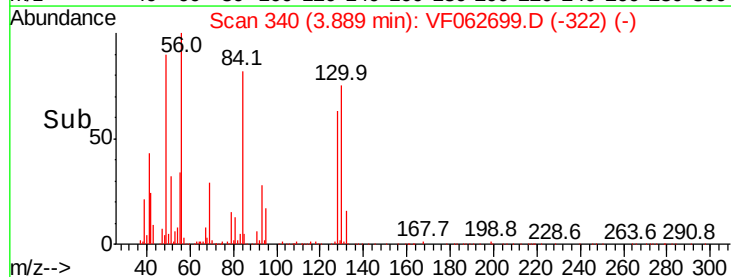
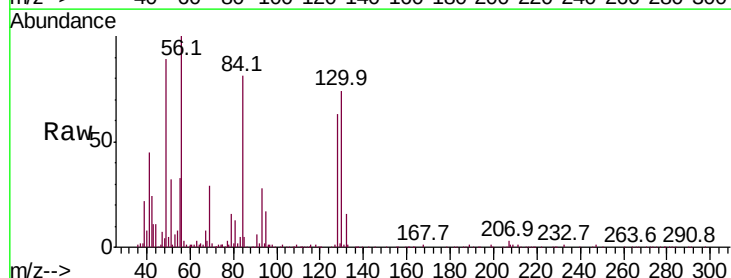
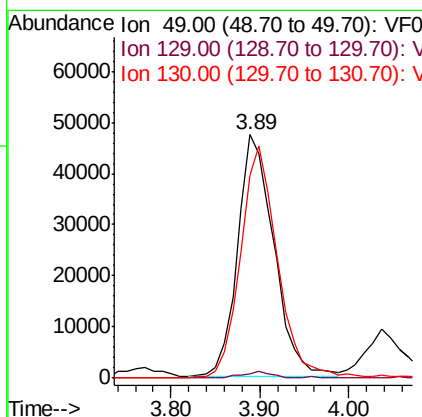
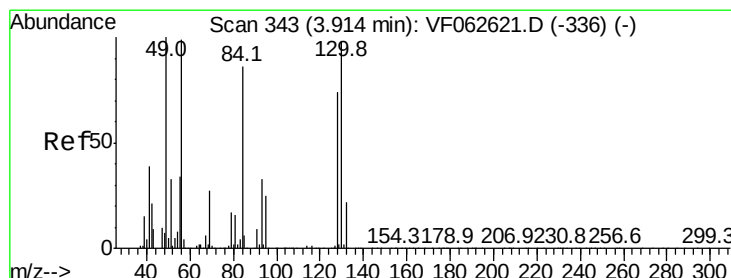
MMDadoda
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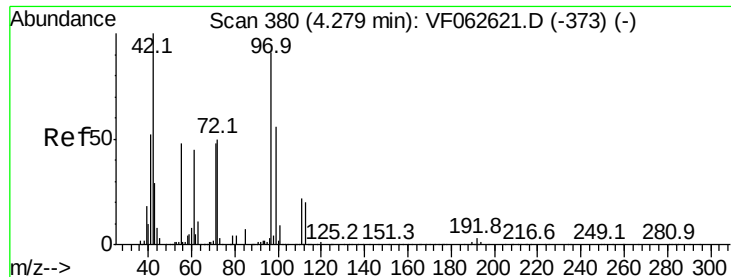


#28

Bromochloromethane
Concen: 19.362 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134073		
129	2.0	0.0	4.0	
130	83.2	77.8	116.8	





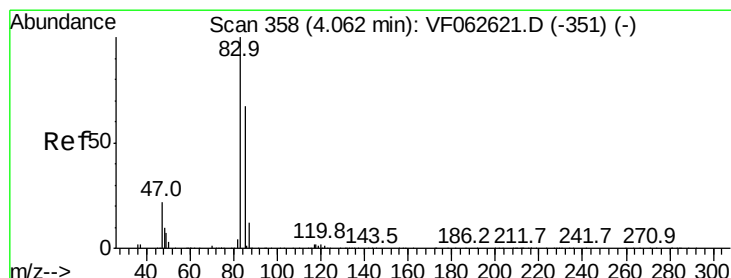
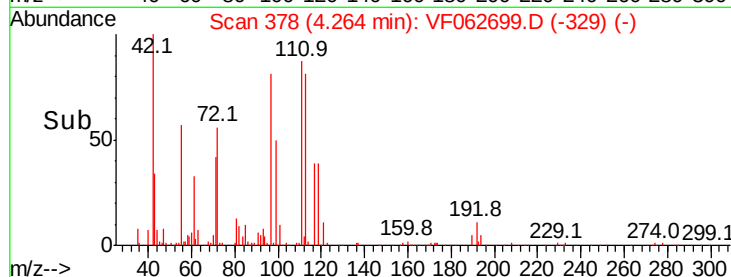
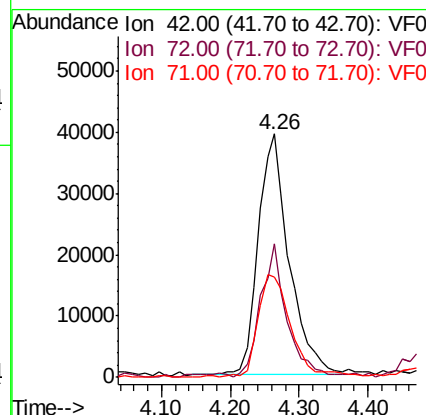
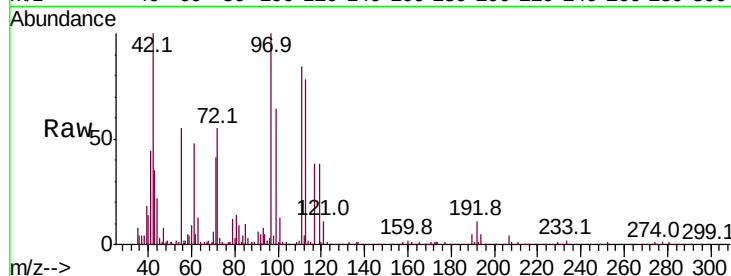
#29
Tetrahydrofuran
Concen: 92.437 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	122965		
72	47.1		38.2	57.2
71	44.5		35.8	53.6

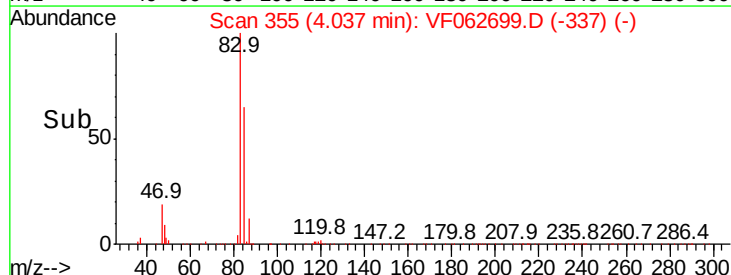
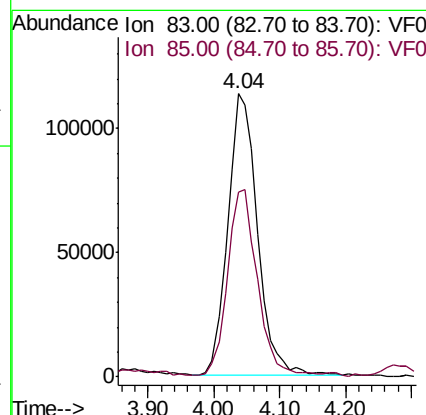
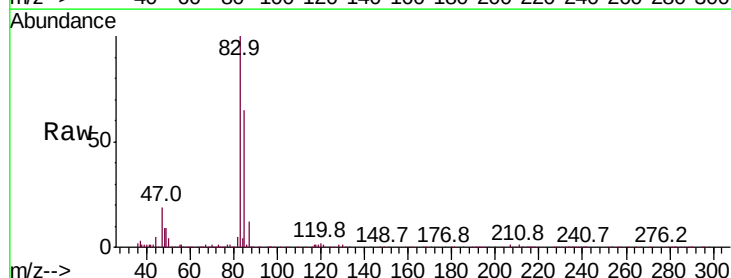
Manual Integrations
APPROVED

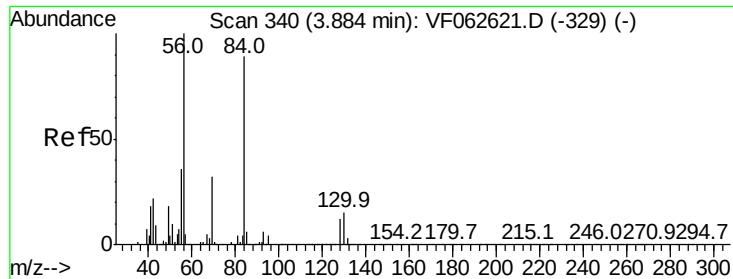
MMDadoda
5/23/2019 12:16:19 PM



#30
Chloroform
Concen: 20.793 ug/l
RT: 4.04 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	356435		
85	65.2		53.6	80.4





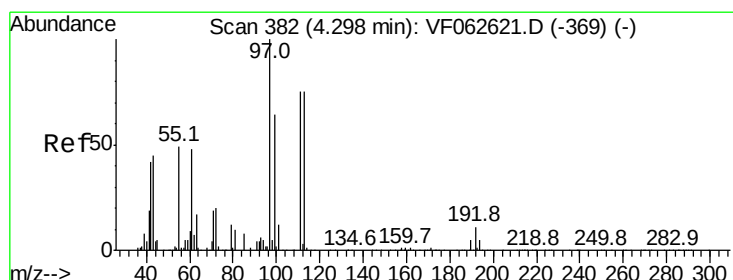
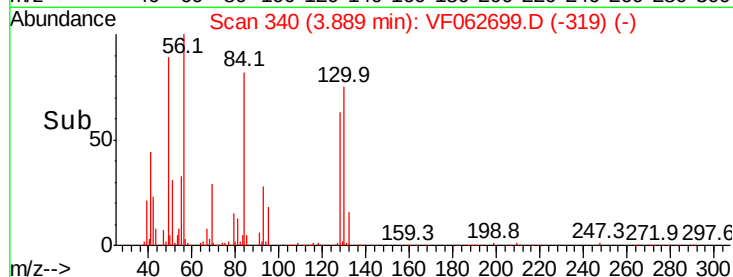
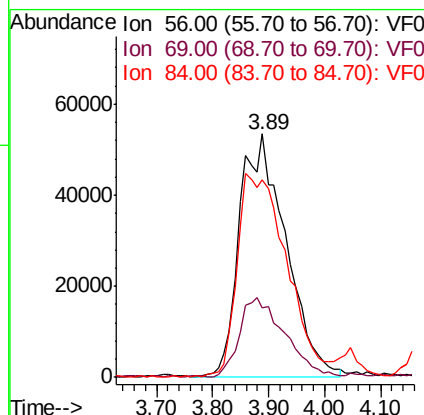
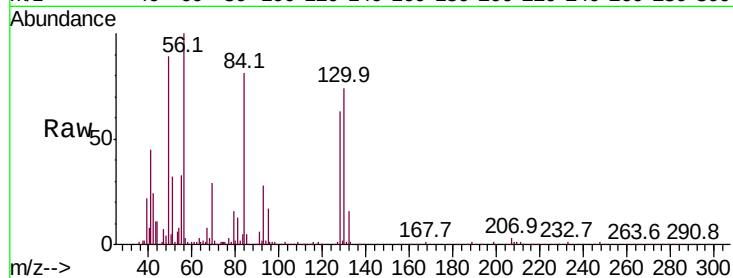
#31
Cyclohexane
Concen: 18.321 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	25.3	37.9
84	81.2	71.0	106.4

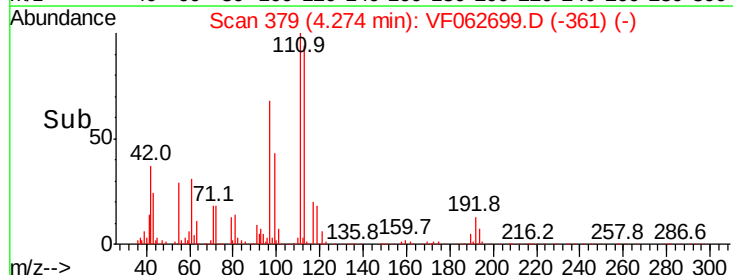
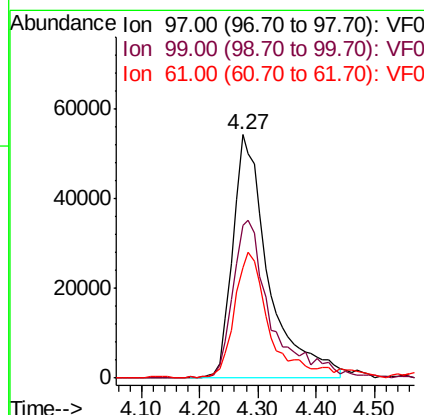
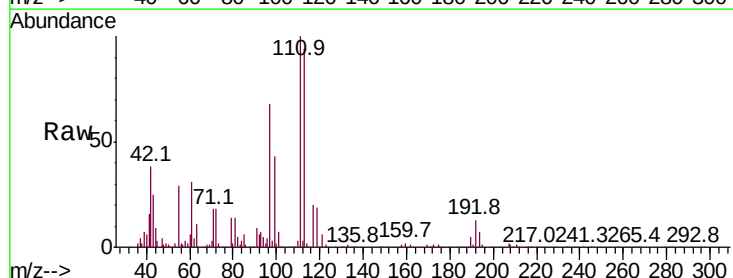
Manual Integrations
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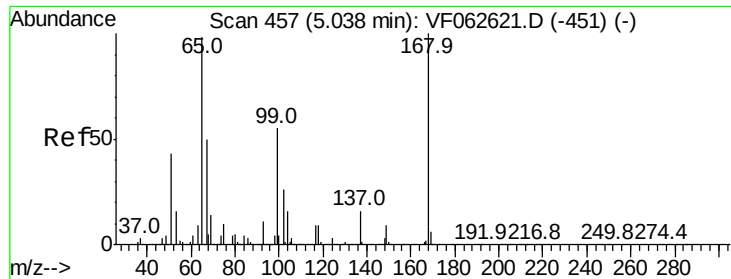
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.214 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.3	76.9
61	45.4	38.2	57.2





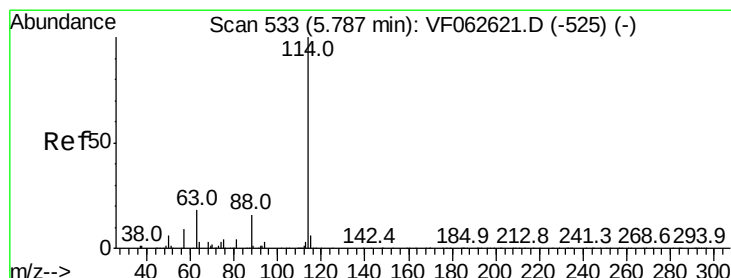
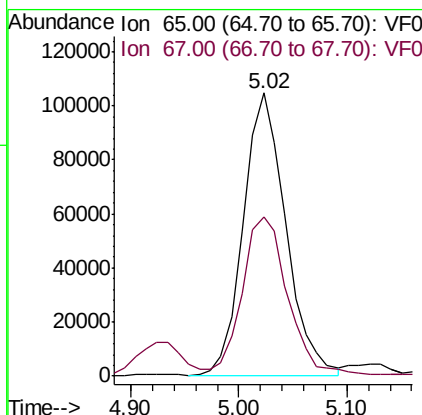
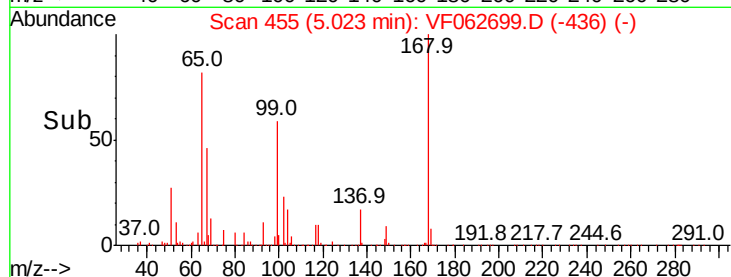
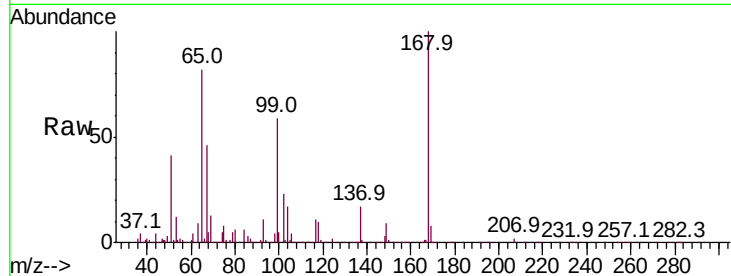
#33
 1,2-Dichloroethane-d4
 Concen: 47.939 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	284317		
67	56.4	0.0	117.6	

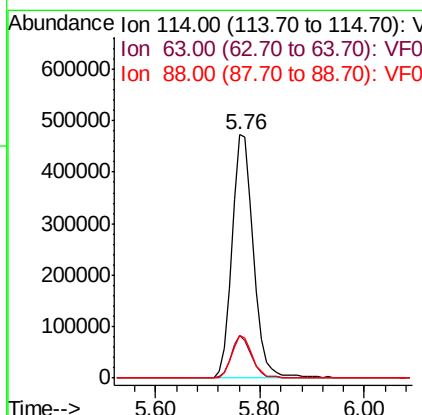
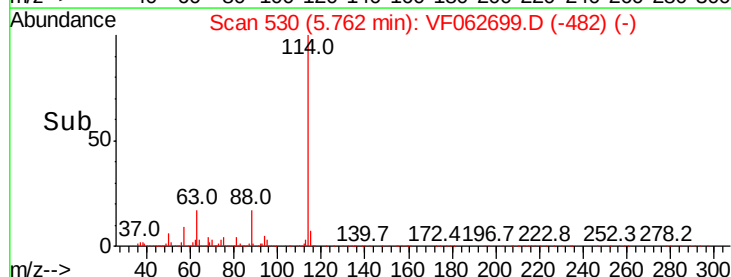
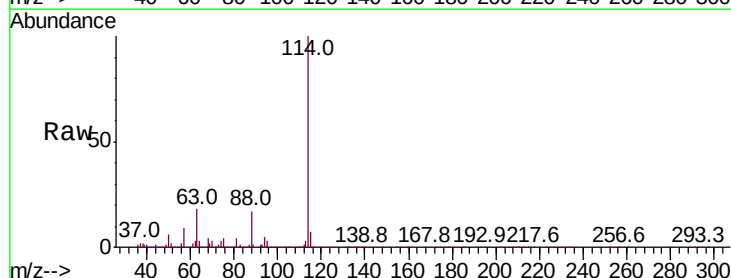
Manual Integrations
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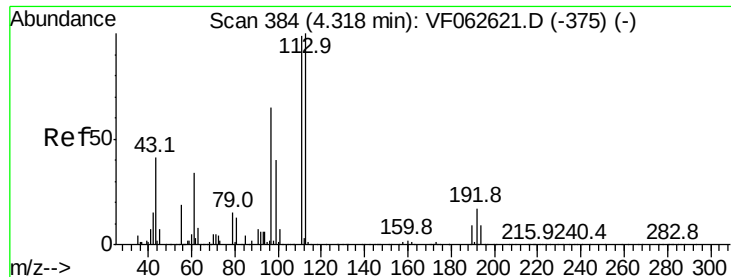
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1315246		
63	17.5	0.0	35.4	
88	17.5	0.0	32.4	





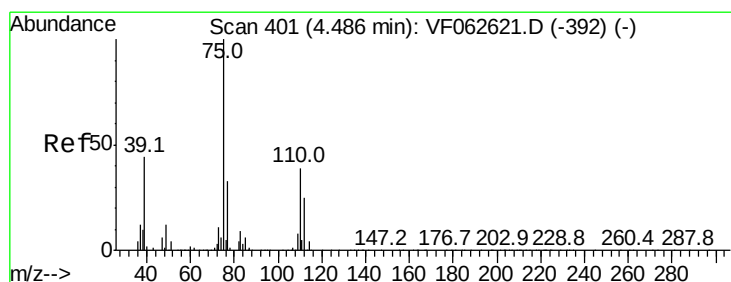
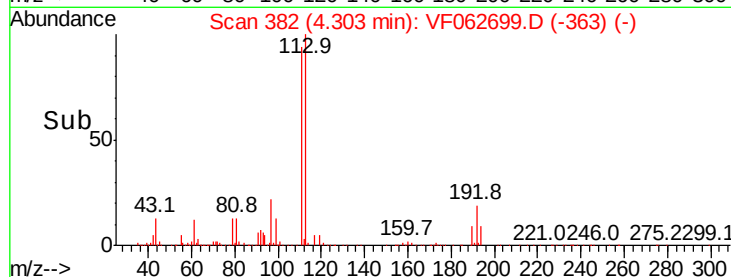
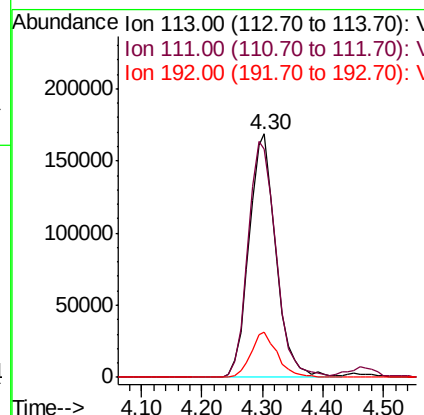
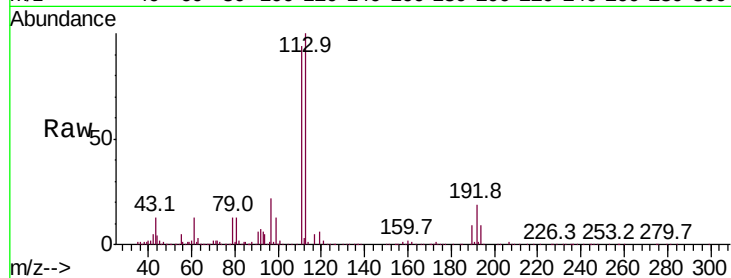
#35
 Dibromofluoromethane
 Concen: 51.764 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	93.9	79.4	119.2
192	18.7	13.4	20.2

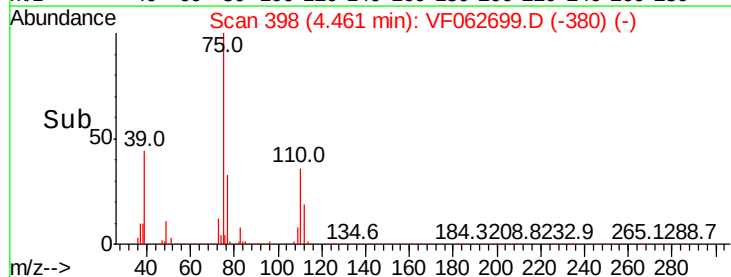
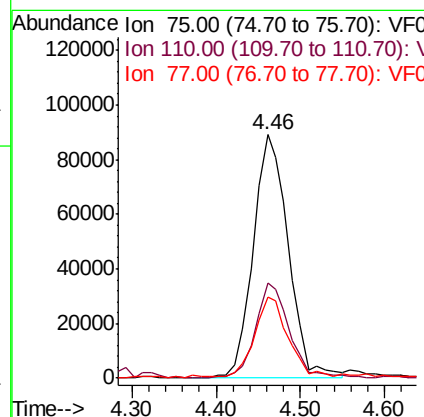
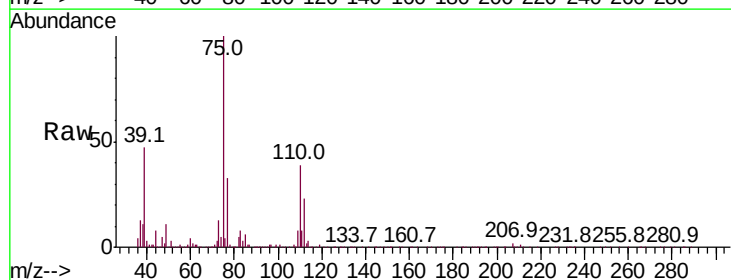
Manual Integrations
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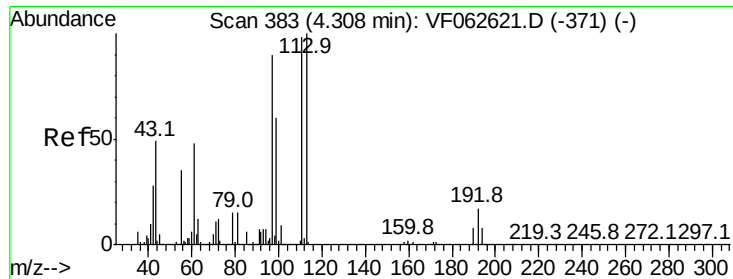
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#36
 1,1-Dichloropropene
 Concen: 19.316 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.7	59.1
77	33.1	26.3	39.5





#37

Ethyl Acetate

Concen: 19.488 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

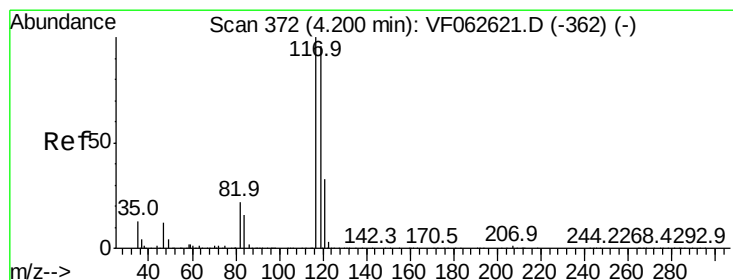
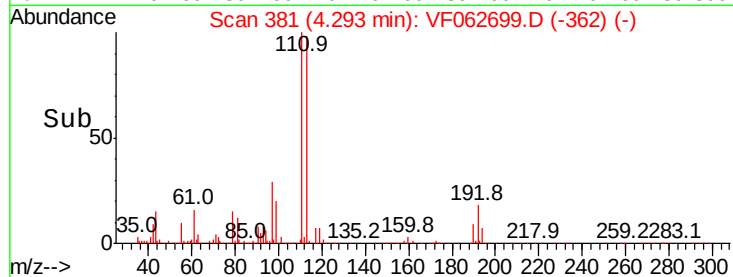
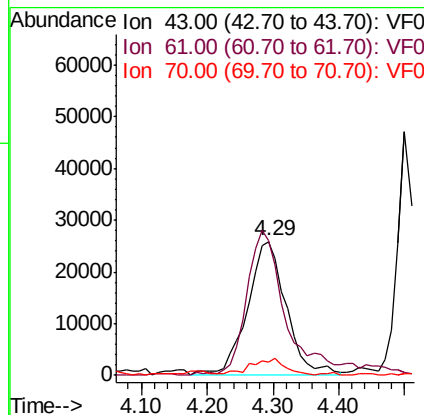
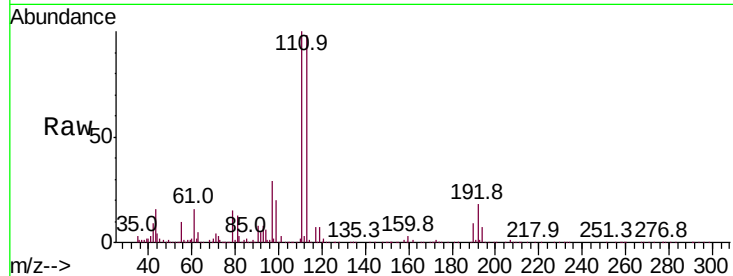
ClientSampleId :

VF0522SBS01

Tot Ion:	43	Resp:	107237
Ion Ratio	Lower	Upper	
43	100		
61	100.7	76.9	115.3
70	9.8	8.8	13.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.710 ug/l

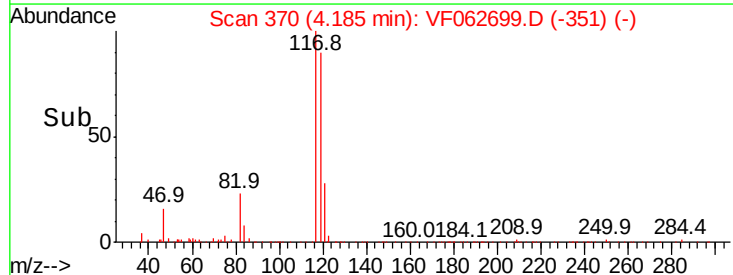
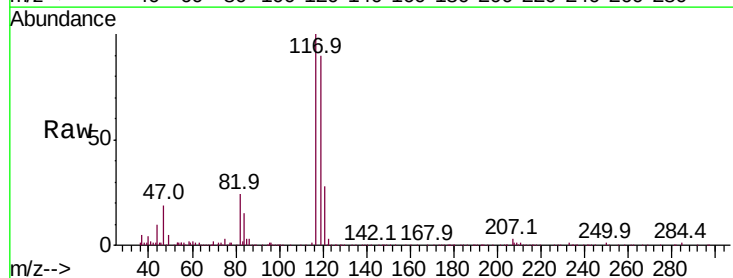
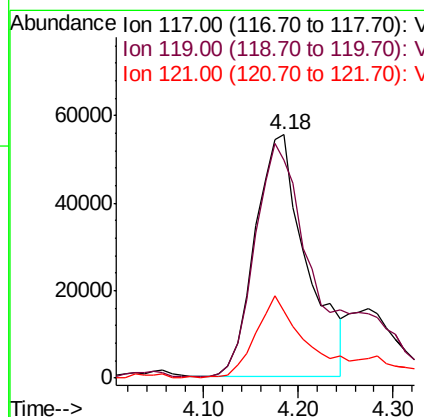
RT: 4.18 min Scan# 370

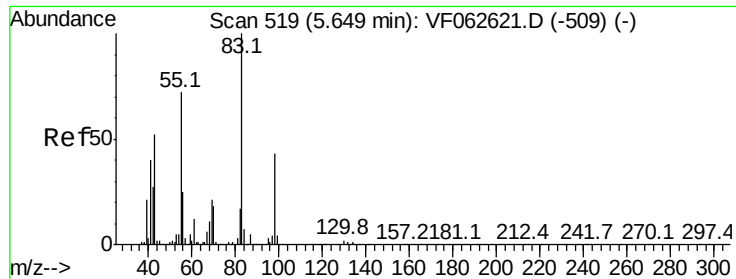
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	117	Resp:	209917
Ion Ratio	Lower	Upper	
117	100		
119	89.6	76.7	115.1
121	27.6	26.6	40.0





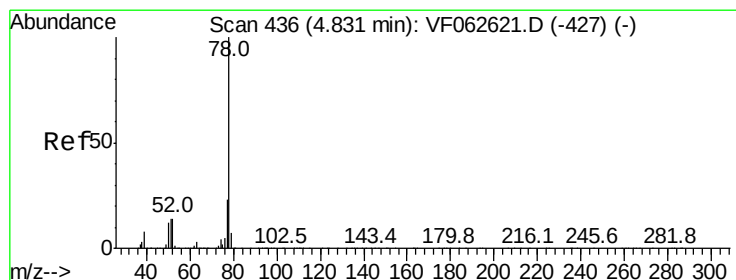
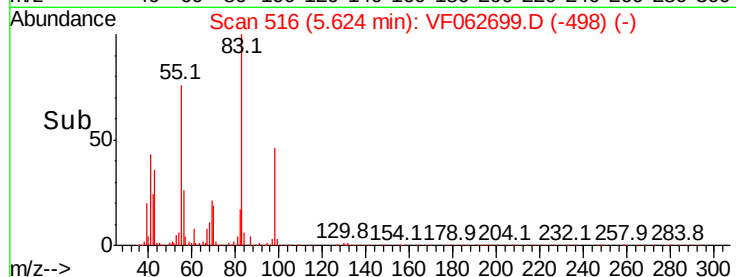
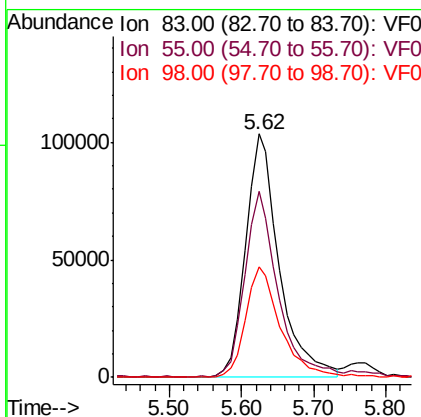
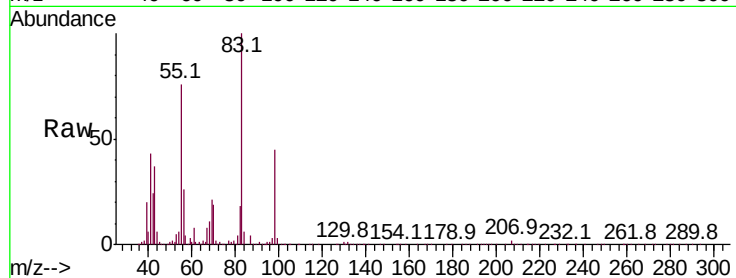
#39
Methylvlcyclohexane
Concen: 20.818 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	83	Resp	337595
Ion Ratio	100	Lower	Upper
83	100		
55	76.2	57.9	86.9
98	45.5	34.6	52.0

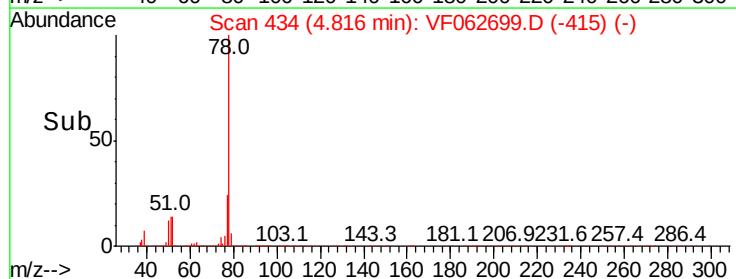
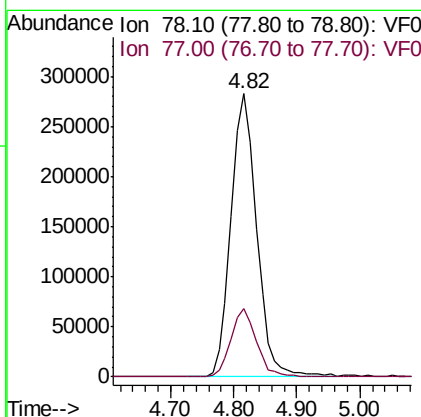
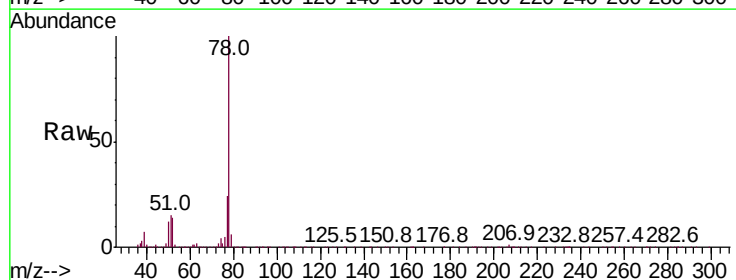
Manual Integrations
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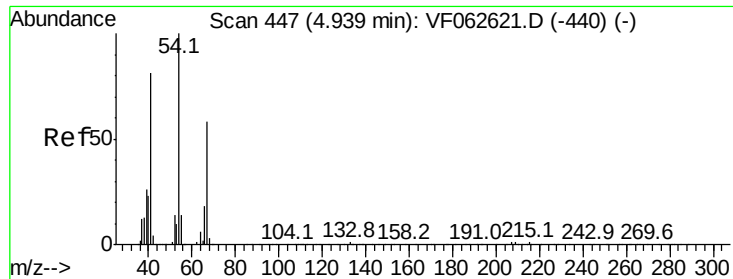
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#40
Benzene
Concen: 21.698 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	78	Resp	796671
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.2	27.2





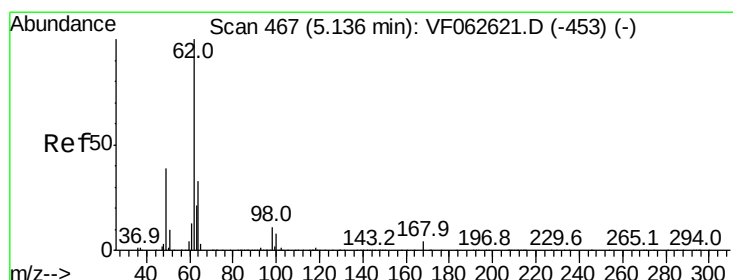
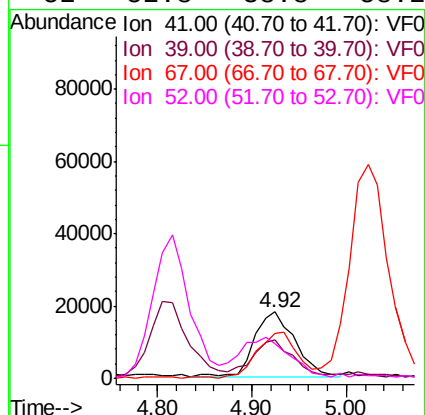
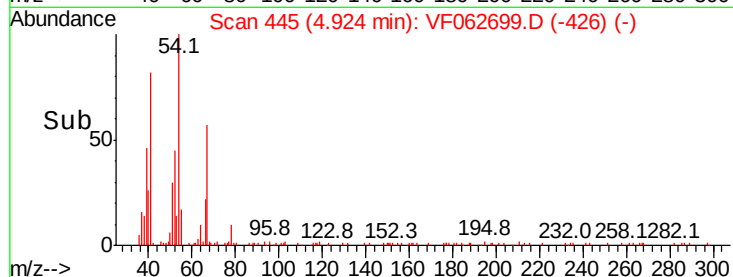
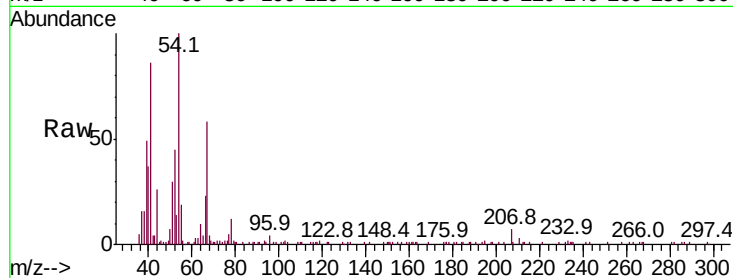
#41
Methacrylonitrile
Concen: 18.592 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	42.2	63.2	
67	67.9	56.4	84.6	
52	52.8	38.8	58.2	

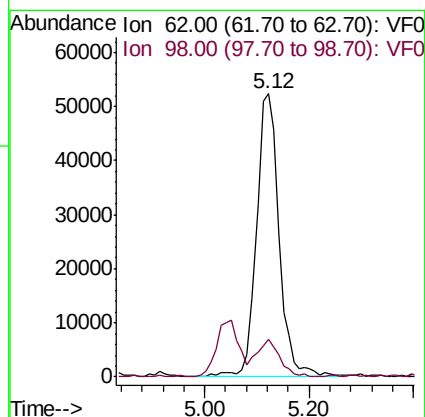
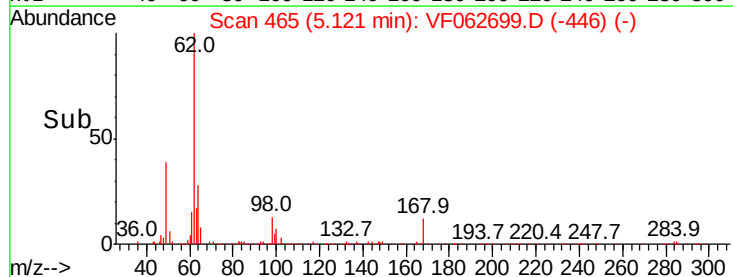
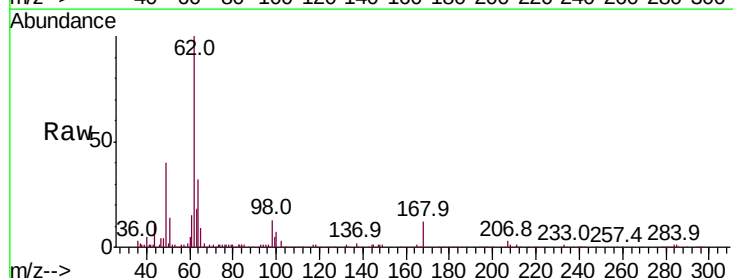
Manual Integrations
APPROVED

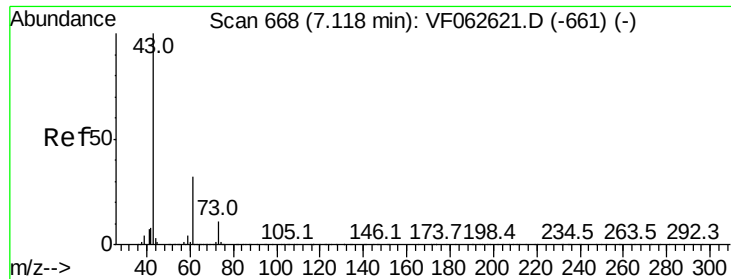
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.920 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	13.3	0.0	21.6	





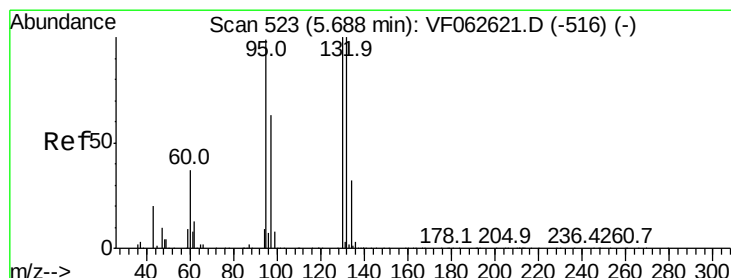
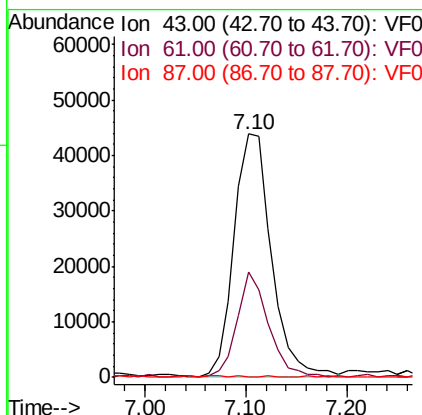
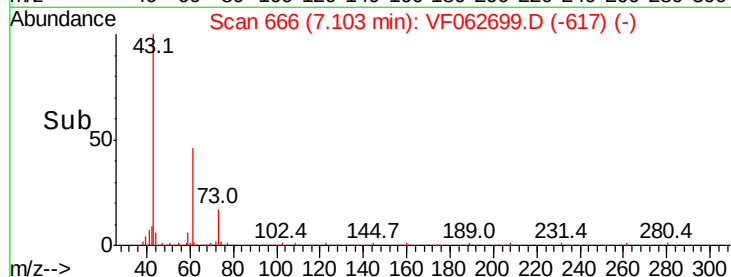
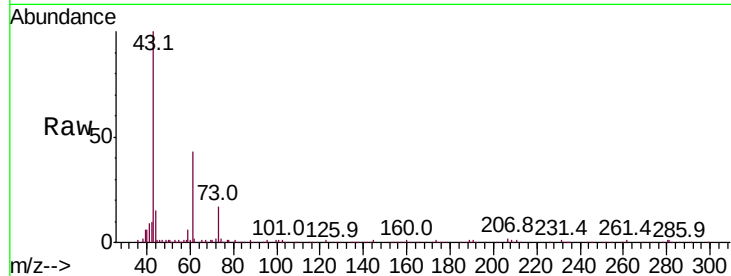
#43
Isopropyl Acetate
Concen: 15.984 ug/l
RT: 7.10 min Scan# 666
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp Lower	Upper
43	100		
61	43.4	25.8	38.8#
87	0.0	0.4	0.6#

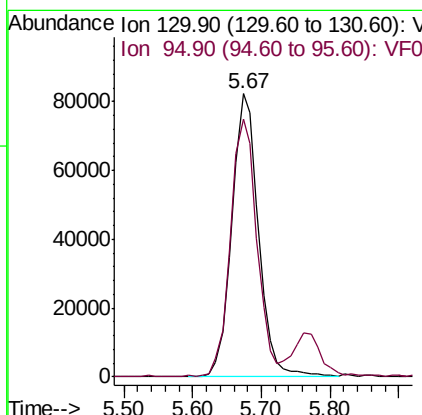
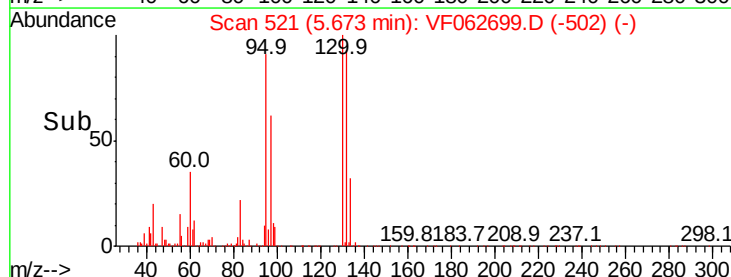
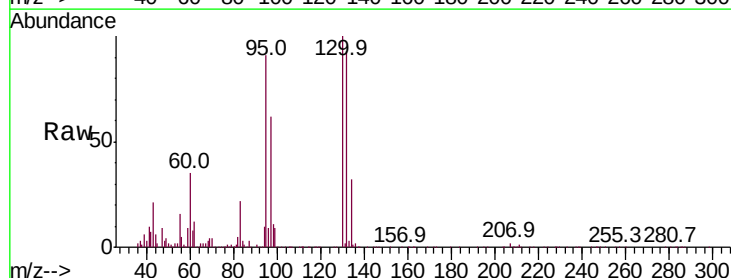
Manual Integrations
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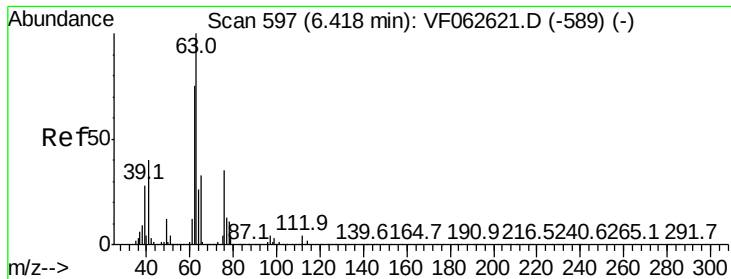
MMDadoda
5/23/2019 12:16:19 PM



#44
Trichloroethene
Concen: 21.341 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp Lower	Upper
130	100		
95	91.1	0.0	199.4





#45

1,2-Dichloropropane

Concen: 20.212 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 63 Resp: 187331

Ion Ratio Lower Upper

63 100

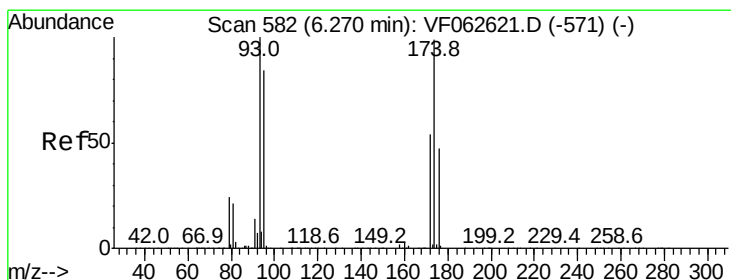
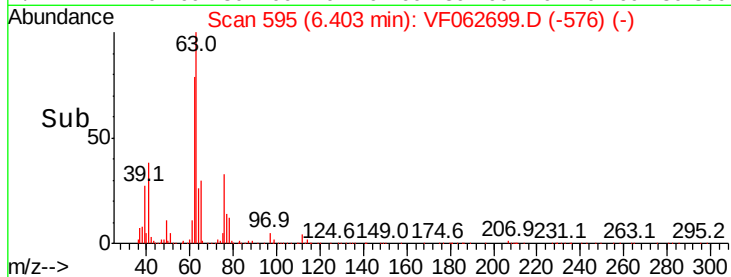
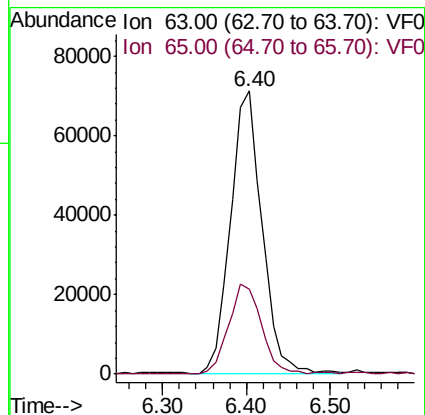
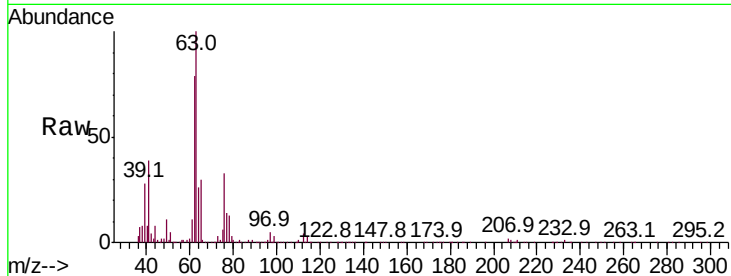
65 30.2 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 21.736 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

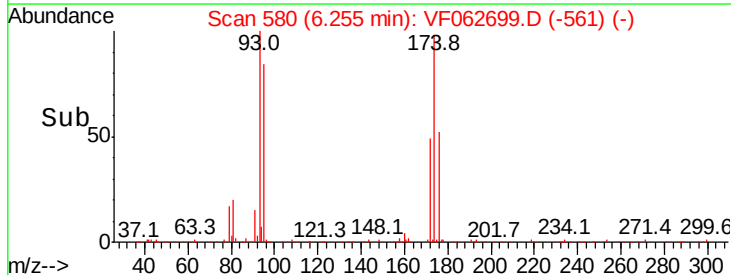
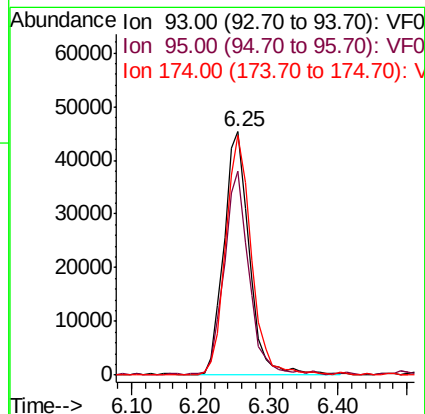
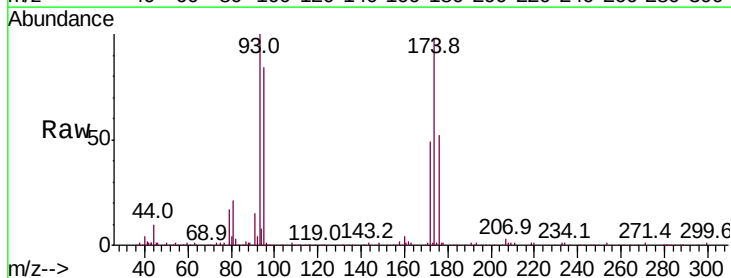
Tgt Ion: 93 Resp: 116427

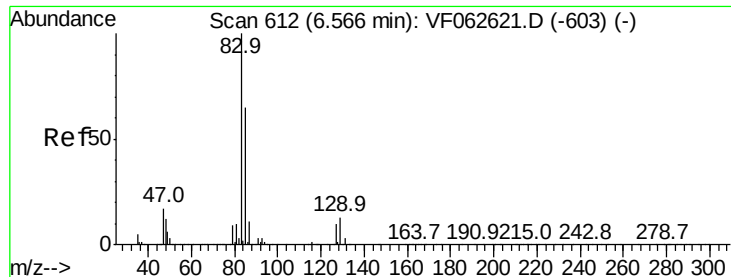
Ion Ratio Lower Upper

93 100

95 83.6 67.4 101.2

174 98.5 79.4 119.2





#47

Bromodichloromethane

Concen: 20.652 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

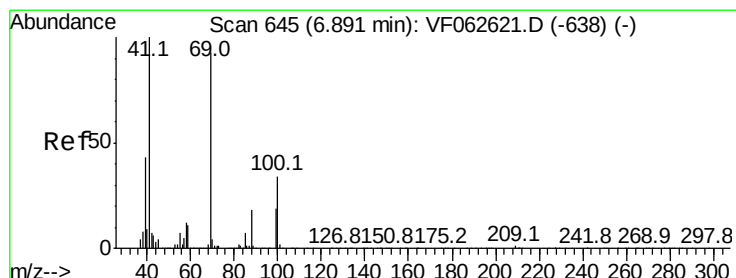
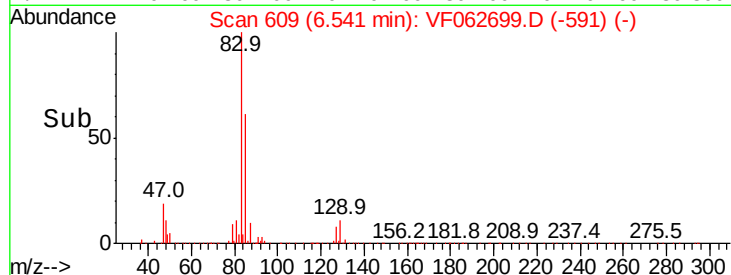
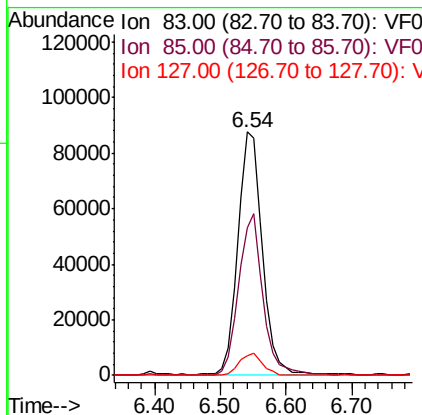
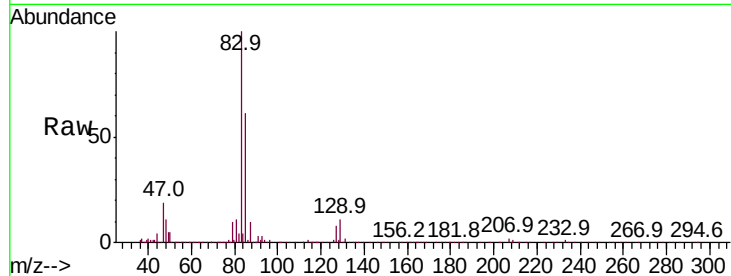
ClientSampleId :

VF0522SBS01

Tot Ion:	83	Resp:	229654
Ion Ratio	Lower	Upper	
83	100		
85	60.6	52.0	78.0
127	8.1	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.257 ug/l

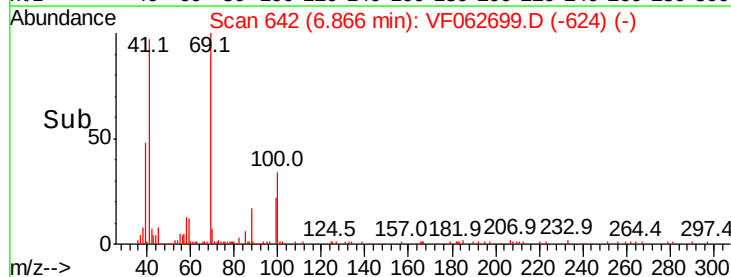
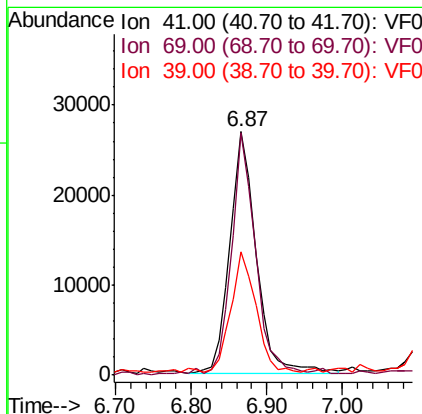
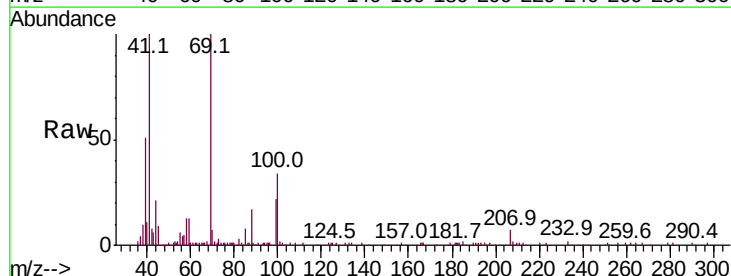
RT: 6.87 min Scan# 642

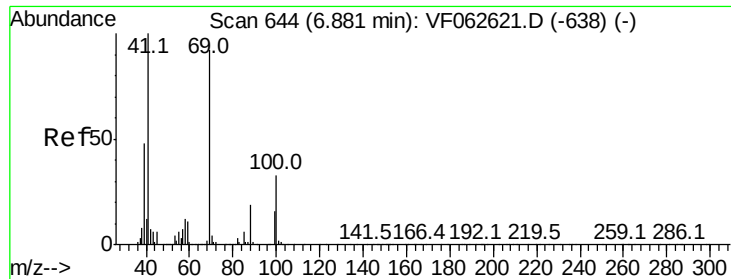
Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	41	Resp:	64304
Ion Ratio	Lower	Upper	
41	100		
69	99.7	74.2	111.2
39	50.6	34.2	51.4





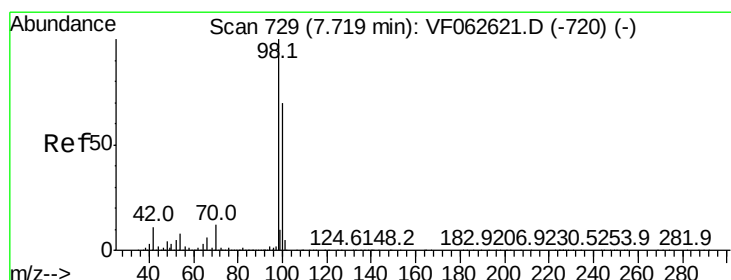
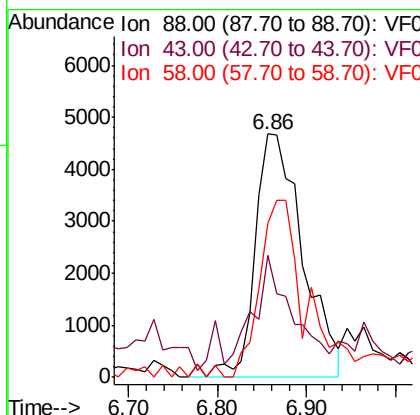
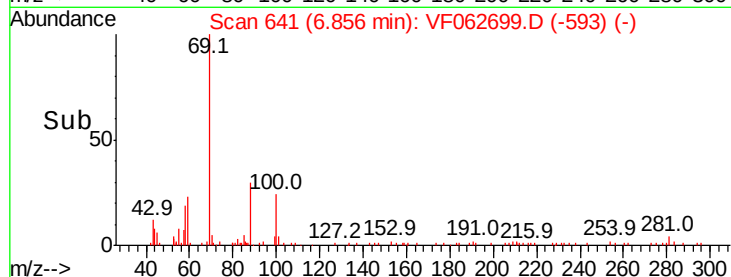
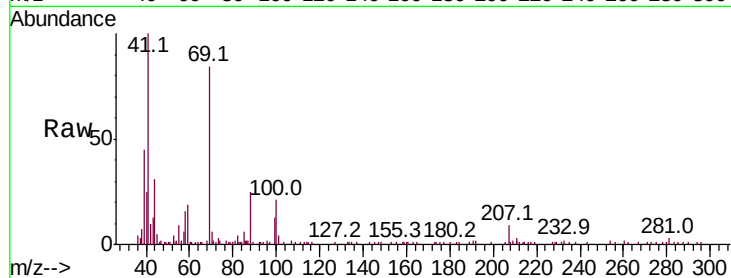
#49
1,4-Dioxane
Concen: 366.012 ug/l
RT: 6.86 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.2	30.0	45.0#
58	63.3	51.1	76.7

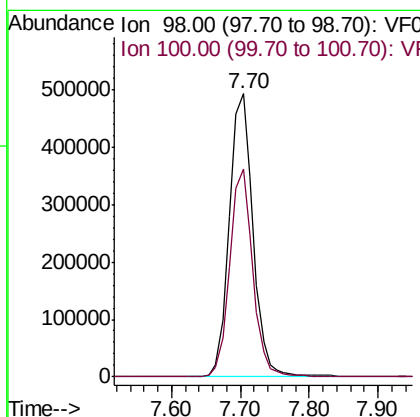
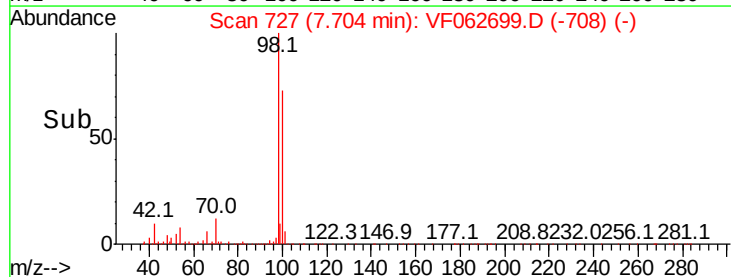
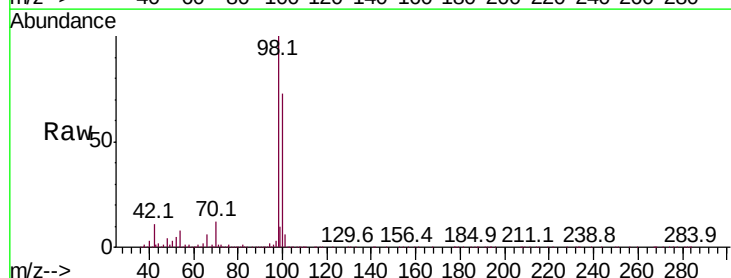
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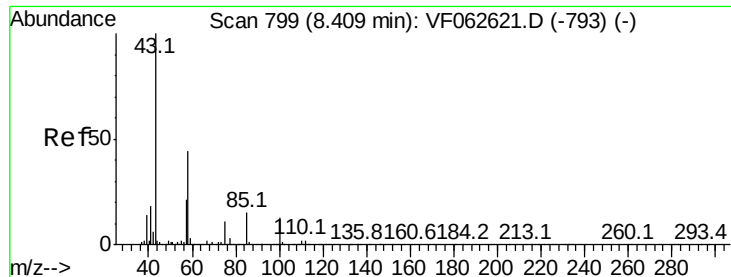
MMDadoda
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#50
Toluene-d8
Concen: 48.874 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 89.427 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 43 Resp: 435775

Ion Ratio Lower Upper

43 100

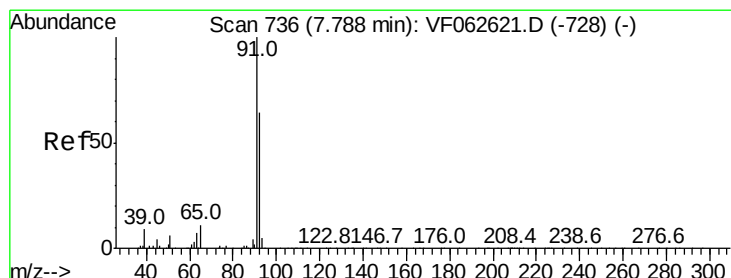
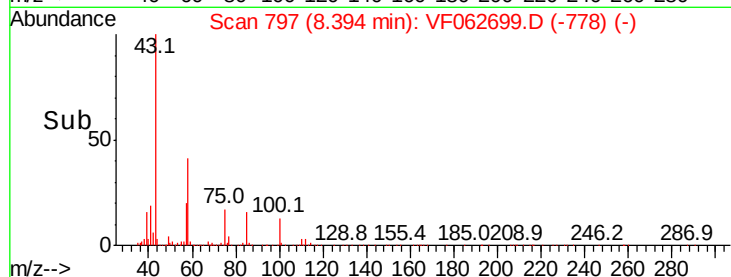
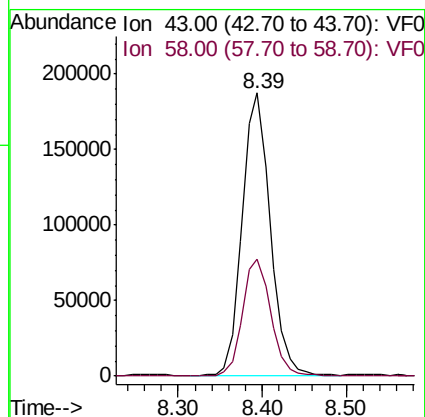
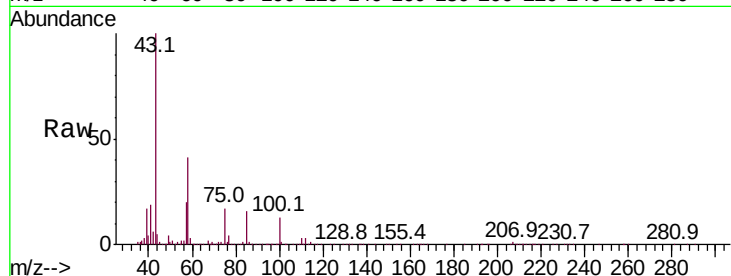
58 41.4 34.9 52.3

Manual Integrations

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#52

Toluene

Concen: 20.589 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF062699.D

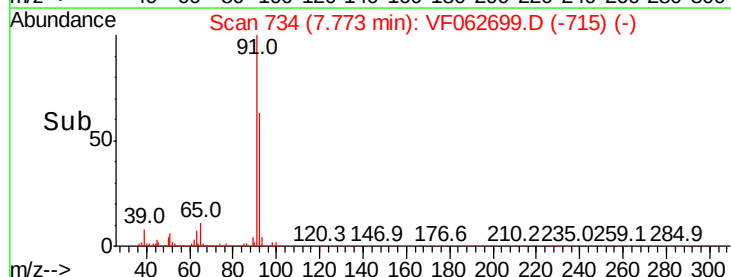
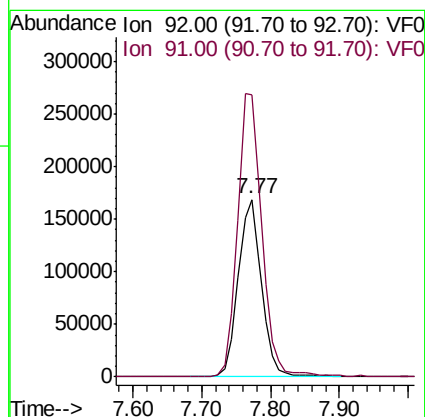
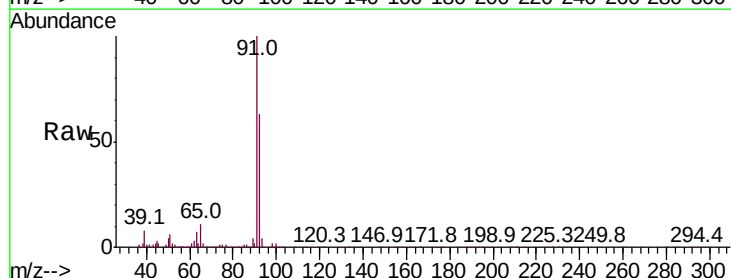
Acq: 22 May 2019 12:09

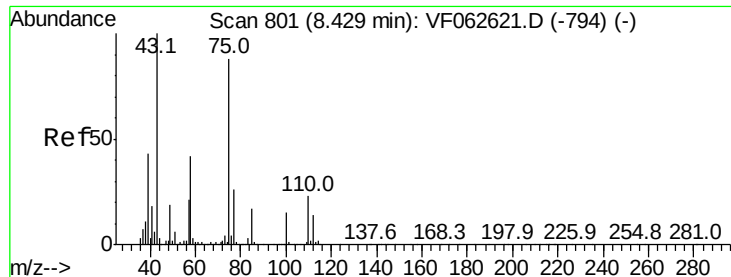
Tgt Ion: 92 Resp: 396443

Ion Ratio Lower Upper

92 100

91 158.8 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 20.181 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 75 Resp: 183594

Ion Ratio Lower Upper

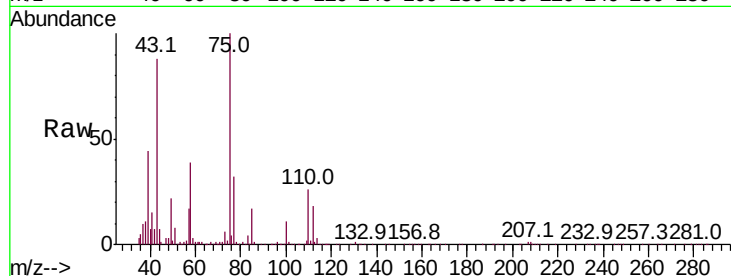
75 100

77 32.4 24.2 36.4

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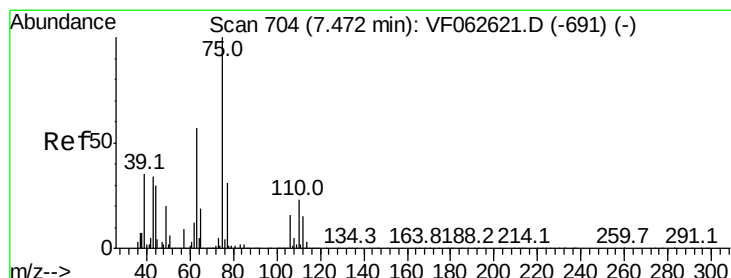
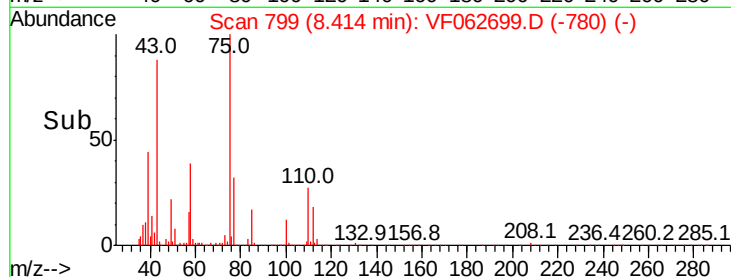
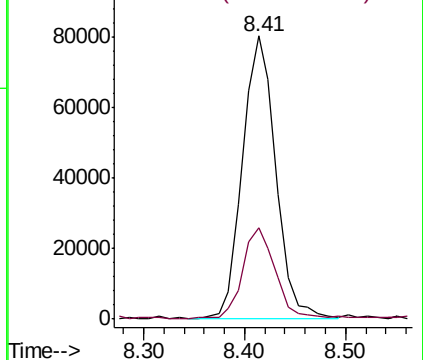
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.191 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

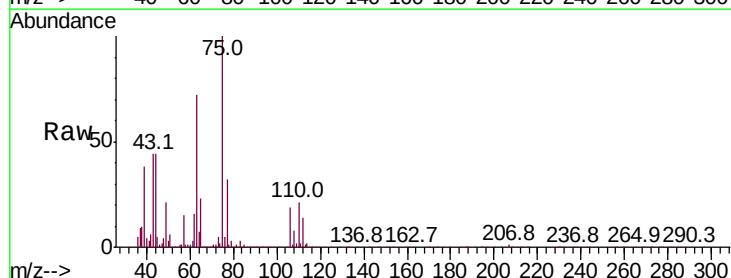
Tgt Ion: 75 Resp: 269867

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

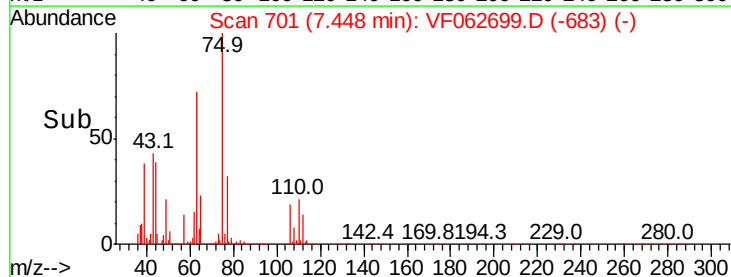
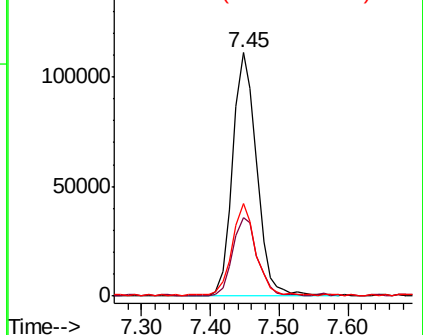
39 38.1 28.2 42.2

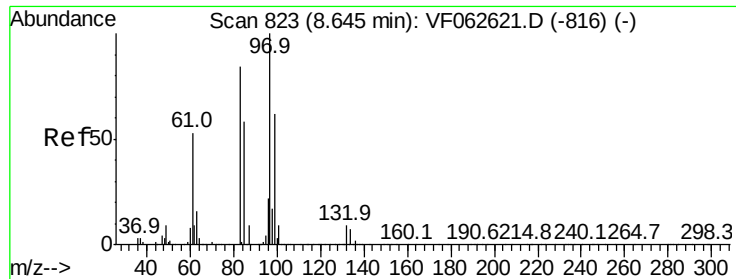


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.568 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF062699.D

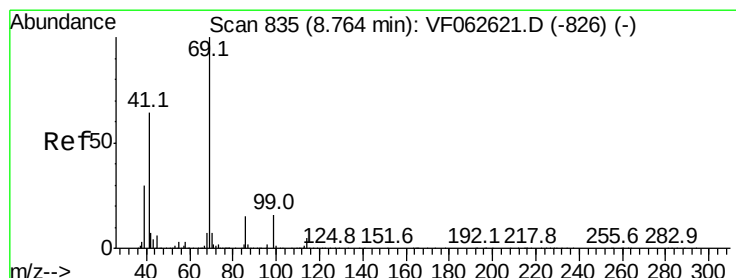
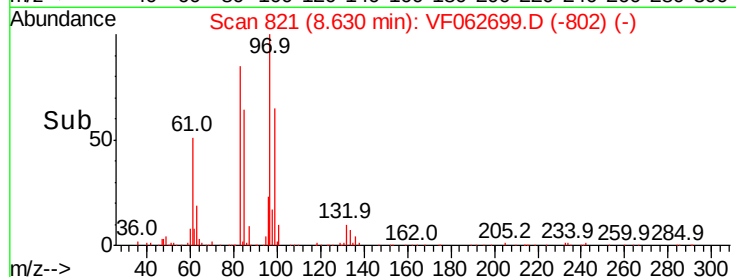
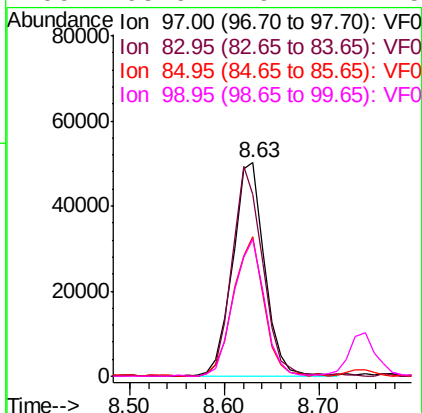
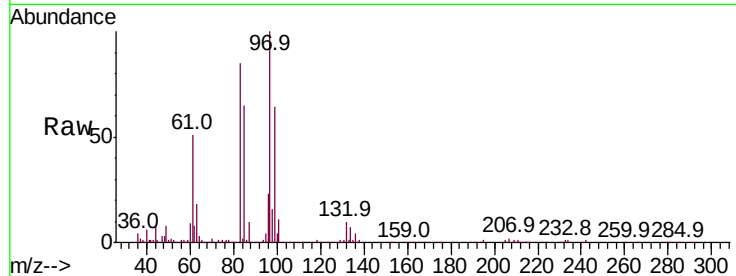
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100			
83	85.3	67.3	100.9	
85	65.1	46.6	69.8	
99	63.9	49.7	74.5	

Manual Integrations
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#56

Ethyl methacrylate

Concen: 16.802 ug/l

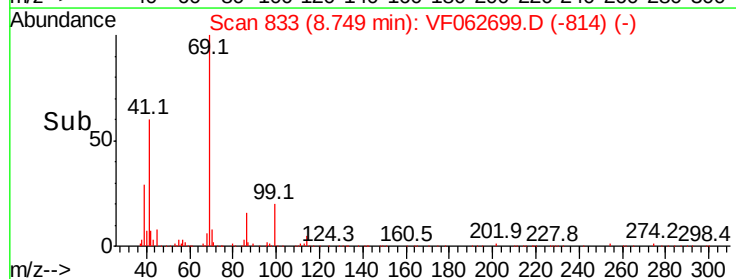
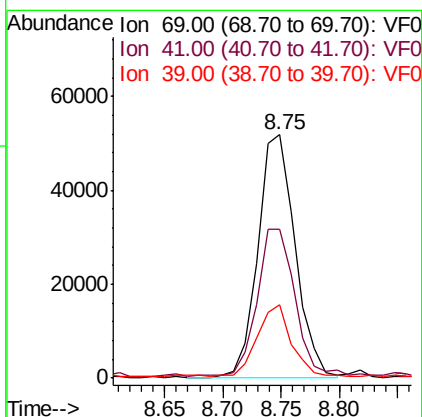
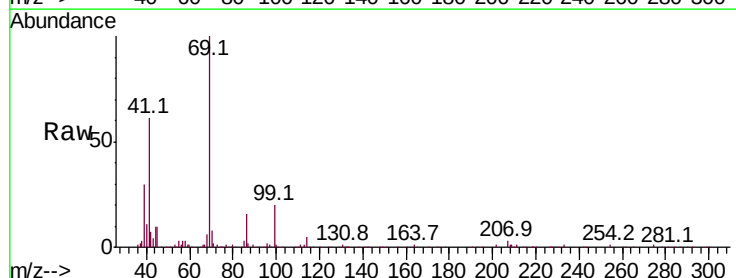
RT: 8.75 min Scan# 833

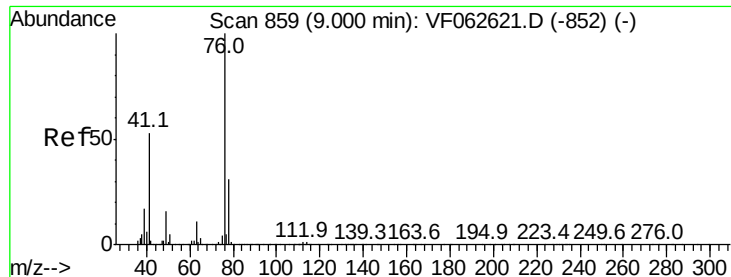
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	61.4	51.4	77.2	
39	30.0	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 19.864 ug/l

RT: 8.99 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF062699.D

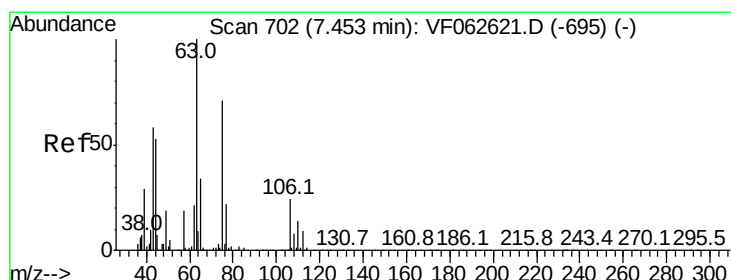
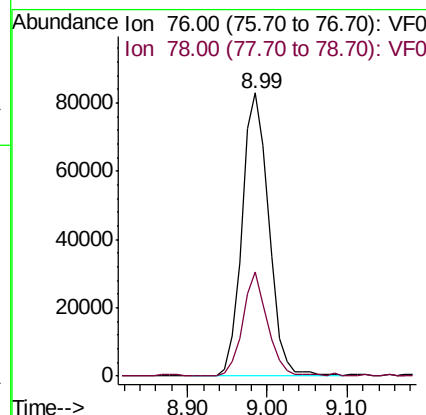
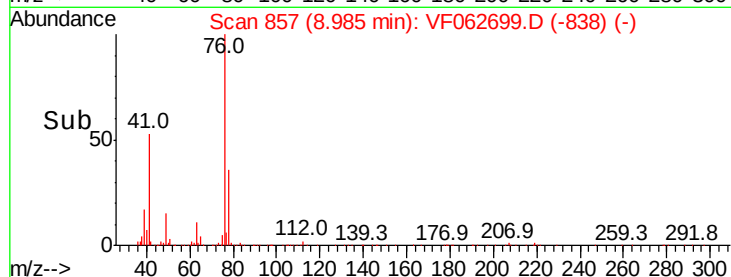
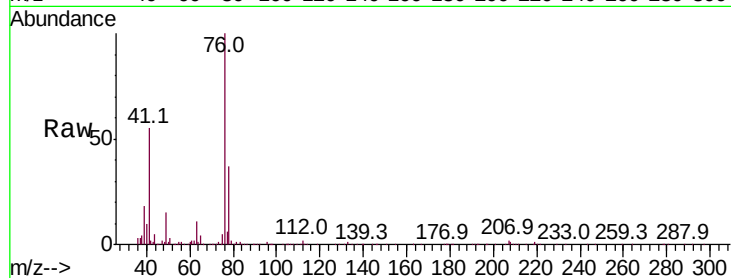
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.7	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 98.247 ug/l

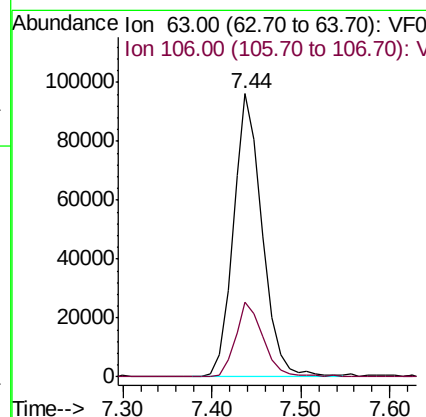
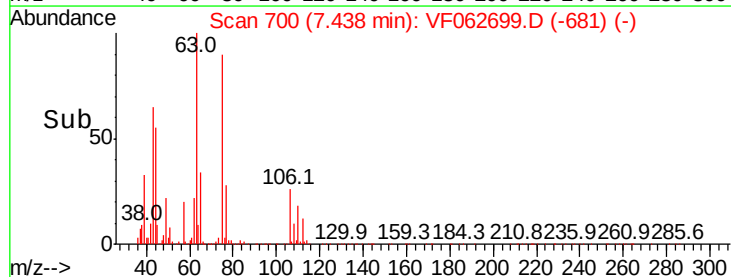
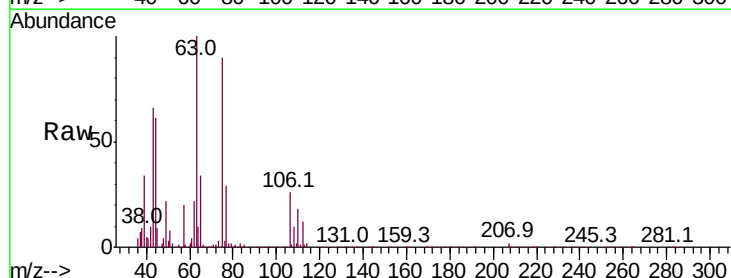
RT: 7.44 min Scan# 700

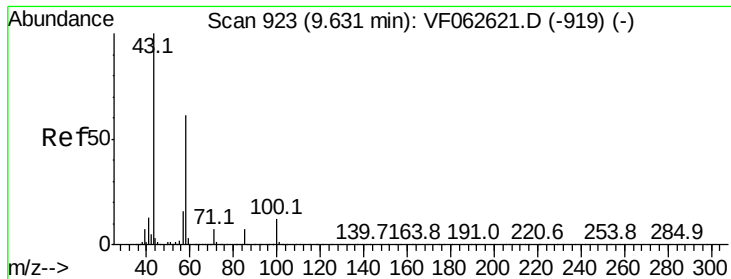
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	19.1	28.7





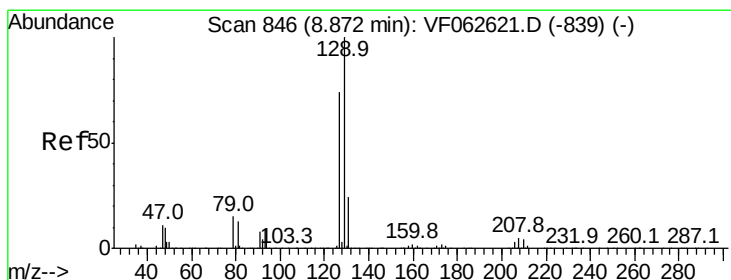
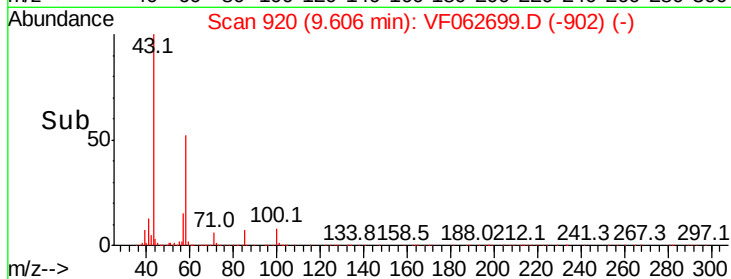
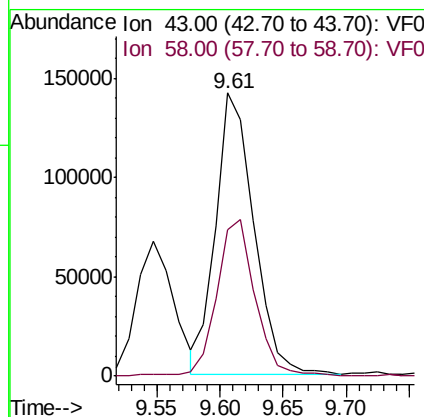
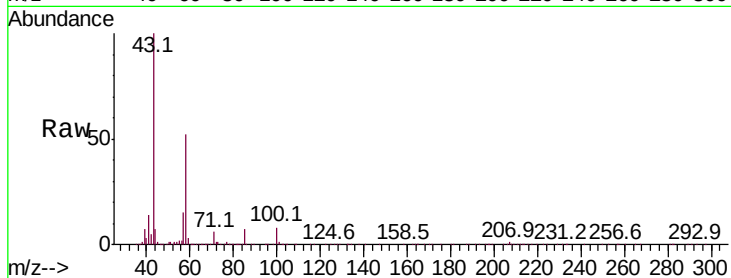
#59
2-Hexanone
Concen: 81.969 ug/l
RT: 9.61 min Scan# 920
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	28.1	84.4

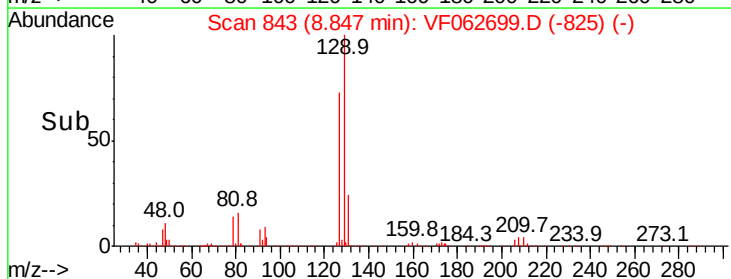
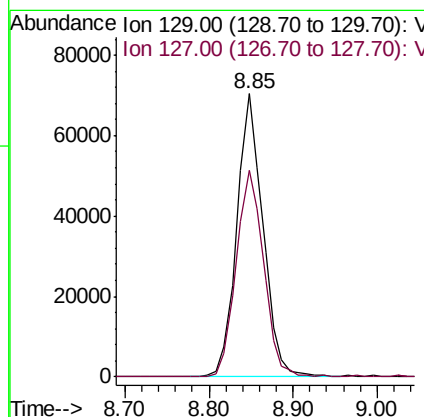
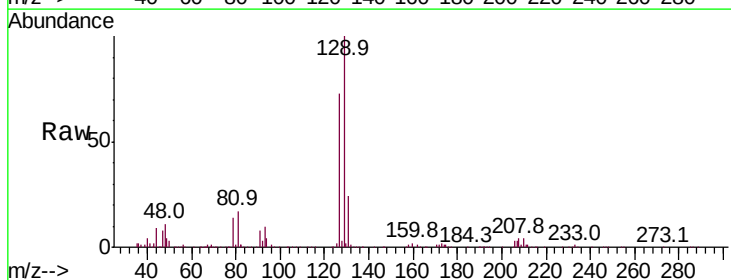
Manual Integrations
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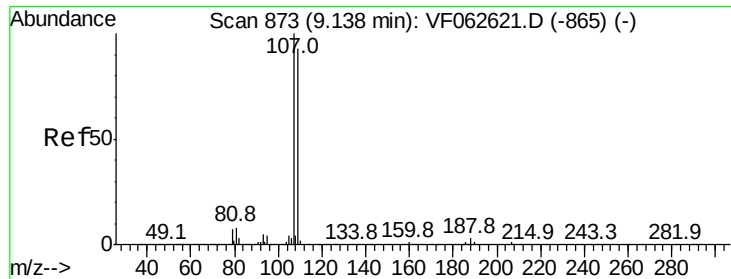
MMDadoda
5/23/2019 12:16:19 PM



#60
Dibromochloromethane
Concen: 20.532 ug/l
RT: 8.85 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.0	37.2	111.6





#61

1,2-Dibromoethane

Concen: 20.232 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

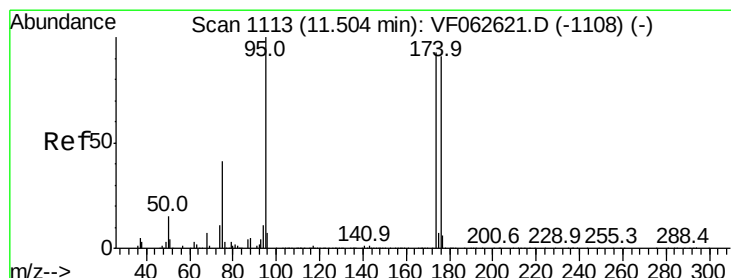
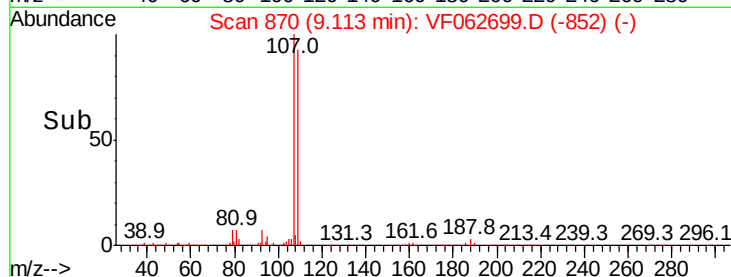
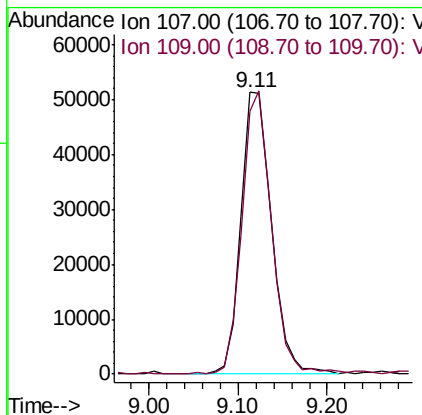
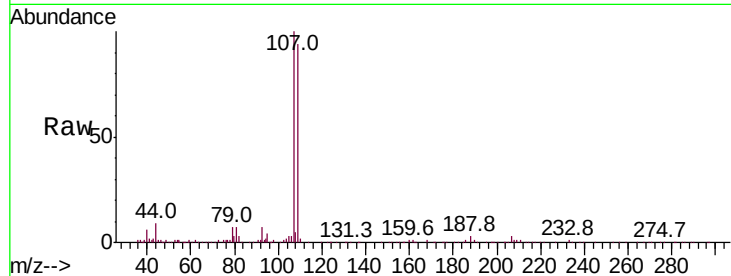
ClientSampleId :

VF0522SBS01

Tot Ion:	107	Resp:	122517
Ion Ratio	Lower	Upper	
107	100		
109	93.5	74.8	112.2

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#62

4-Bromofluorobenzene

Concen: 43.595 ug/l

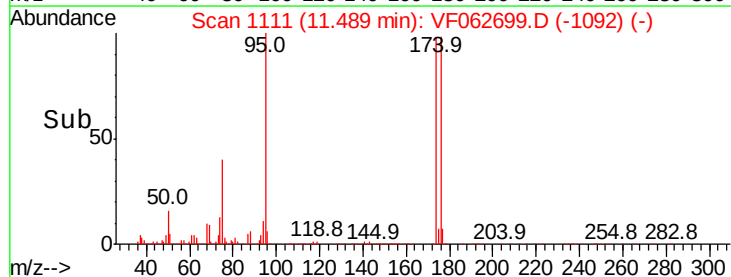
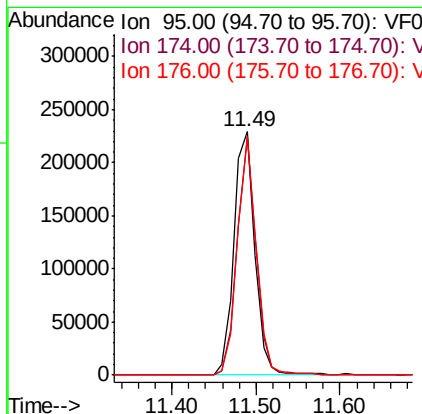
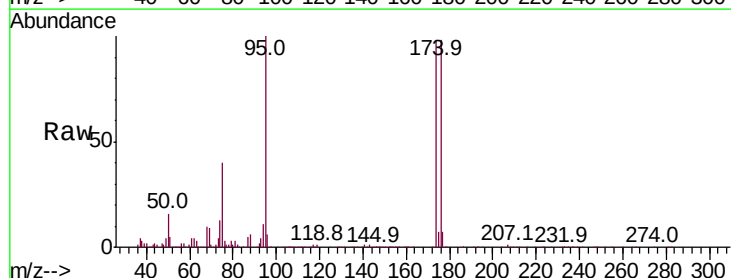
RT: 11.49 min Scan# 1111

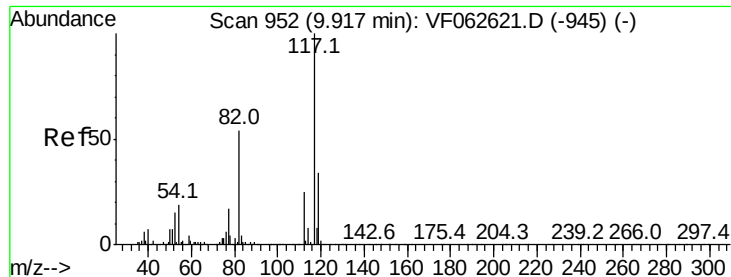
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	95	Resp:	397309
Ion Ratio	Lower	Upper	
95	100		
174	97.9	0.0	185.6
176	97.8	0.0	182.4





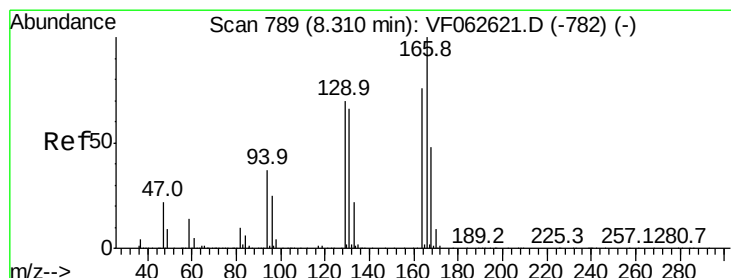
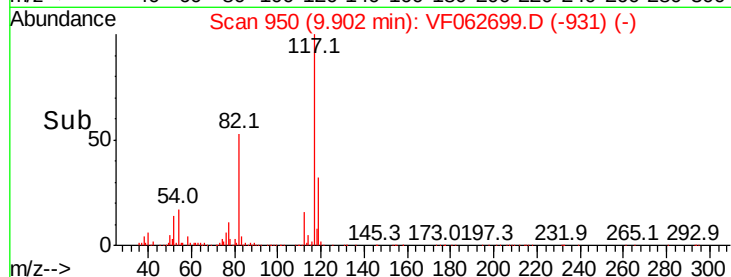
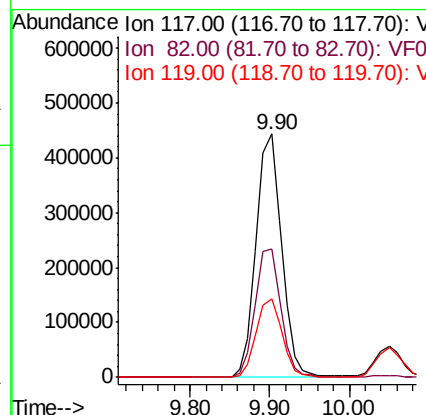
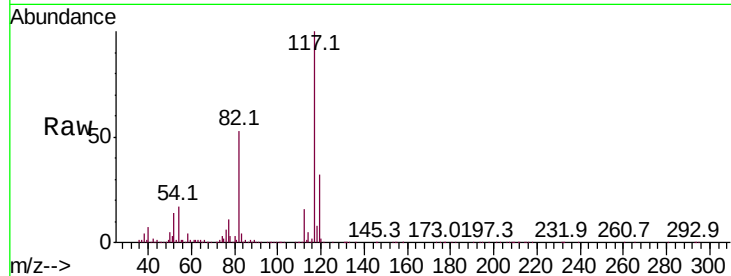
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.9	43.3	64.9
119	32.4	27.4	41.0

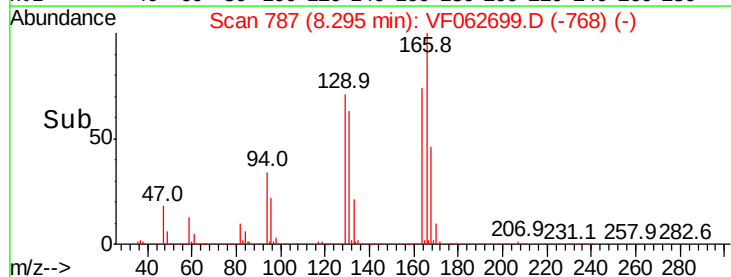
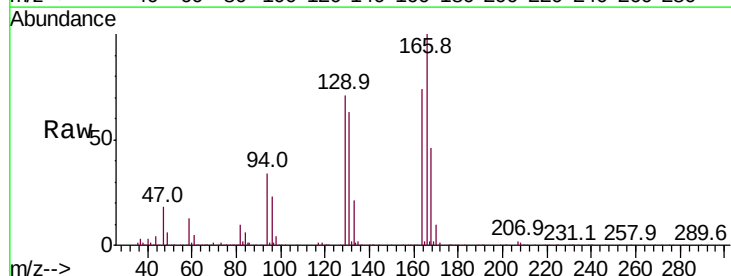
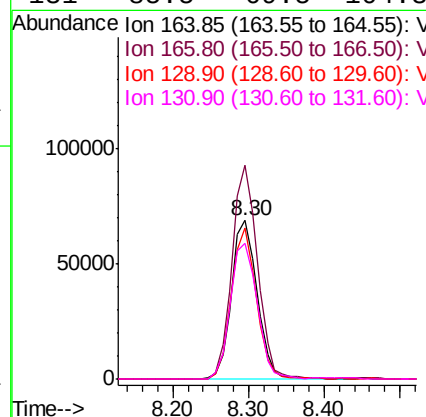
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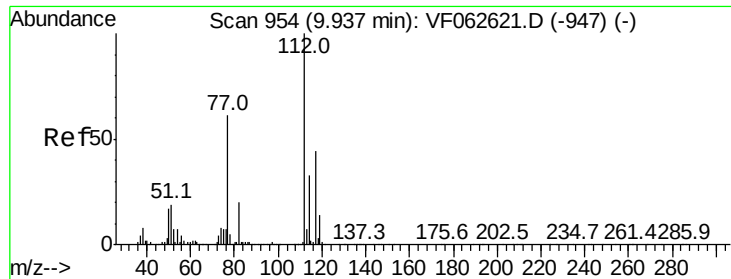
MMDadoda
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#64
Tetrachloroethene
Concen: 20.776 ug/l
RT: 8.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	135.1	105.5	158.3
129	95.6	73.8	110.6
131	85.5	69.5	104.3





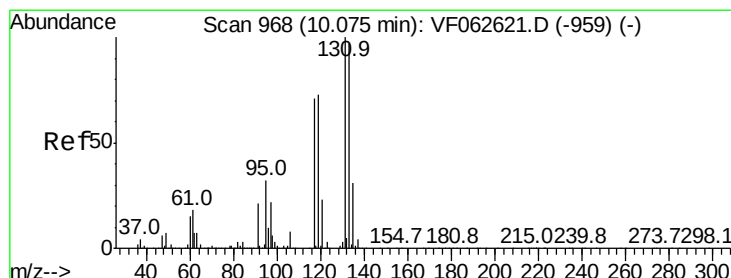
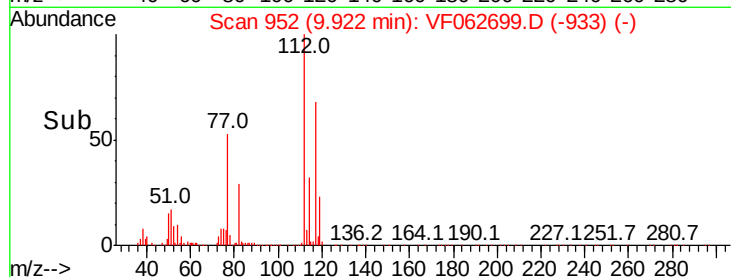
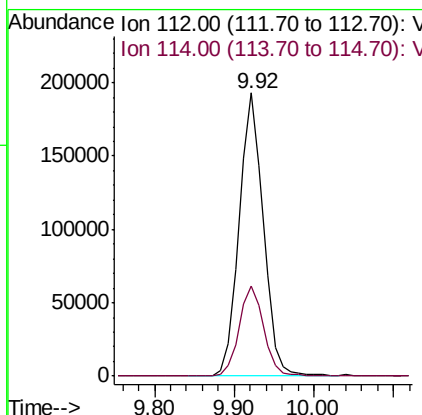
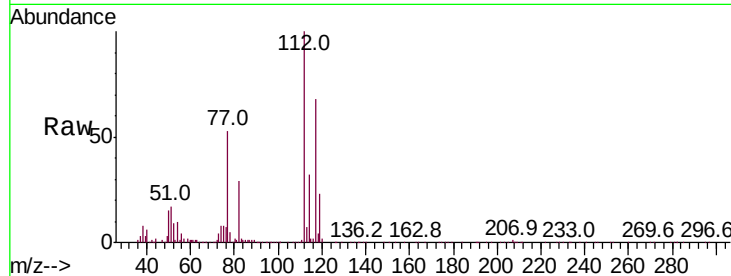
#65
Chlorobenzene
Concen: 21.164 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	406940		
114	31.8	26.8	40.2	

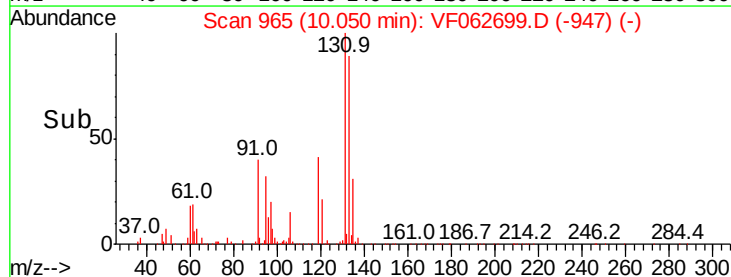
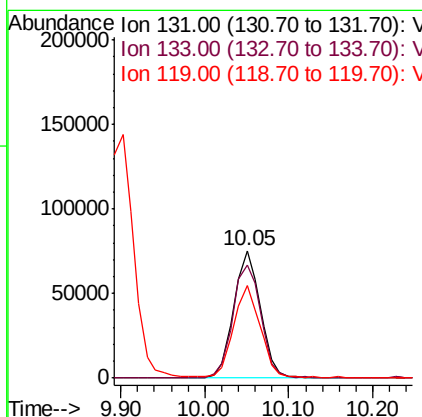
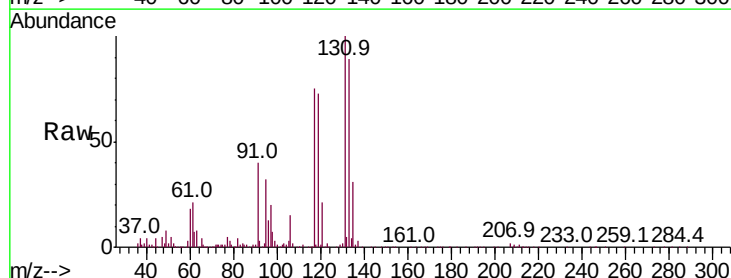
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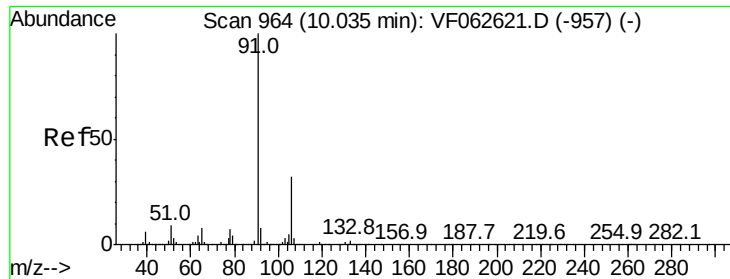
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.580 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	166580		
133	89.0	48.5	145.5	
119	73.0	36.8	110.4	





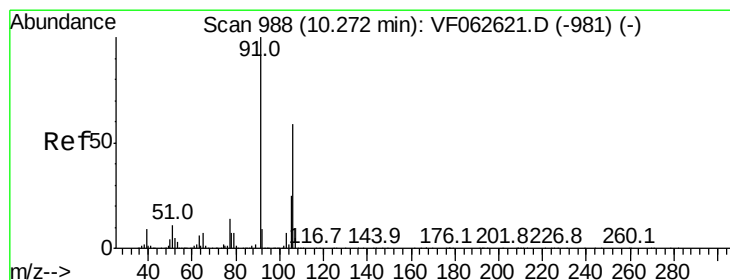
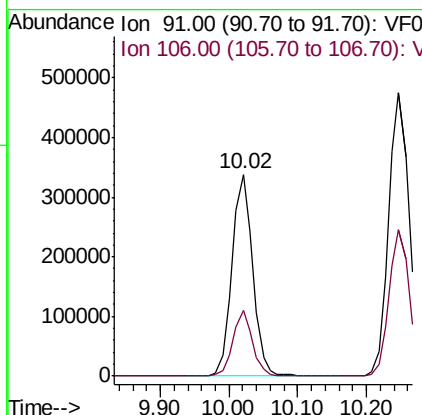
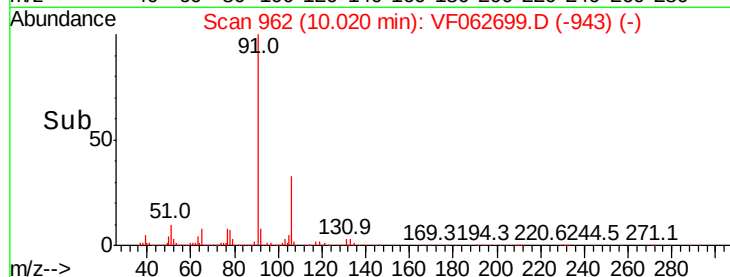
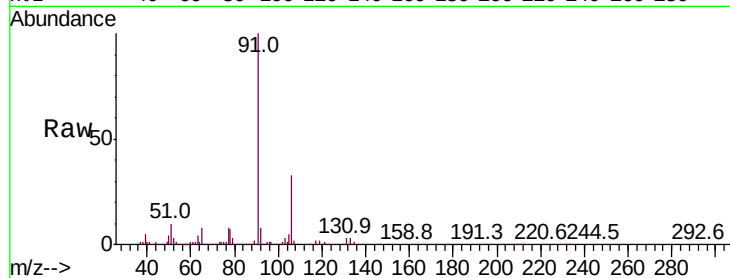
#67
Ethyl Benzene
Concen: 21.011 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.8	38.8

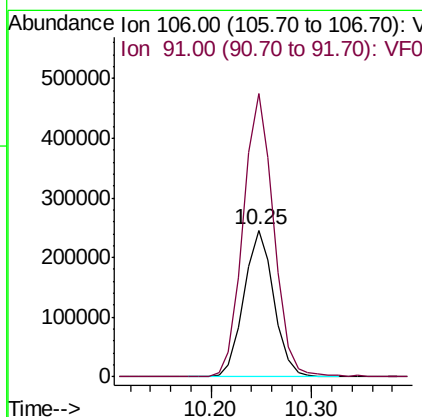
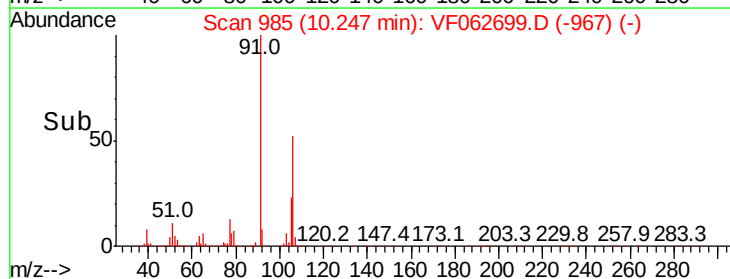
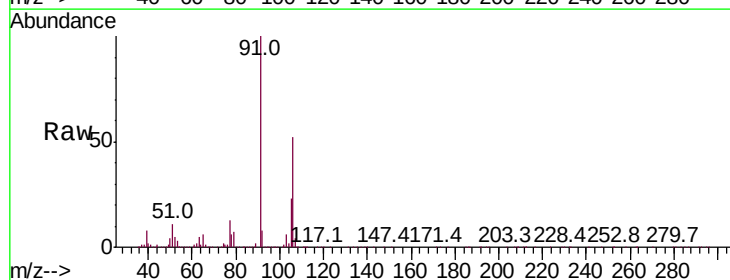
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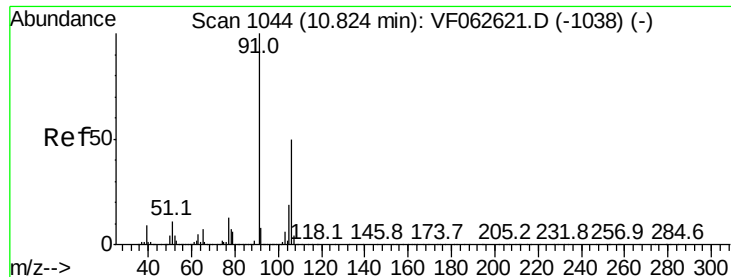
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#68
m/p-Xylenes
Concen: 40.663 ug/l
RT: 10.25 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.7	136.9	205.3





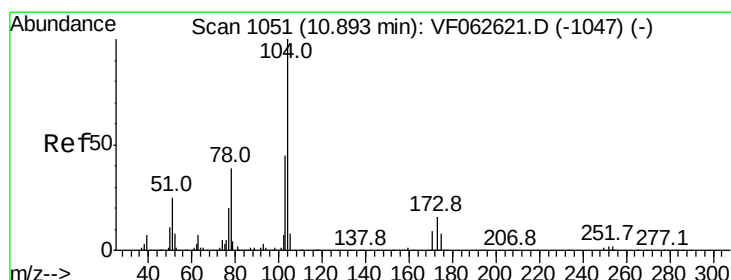
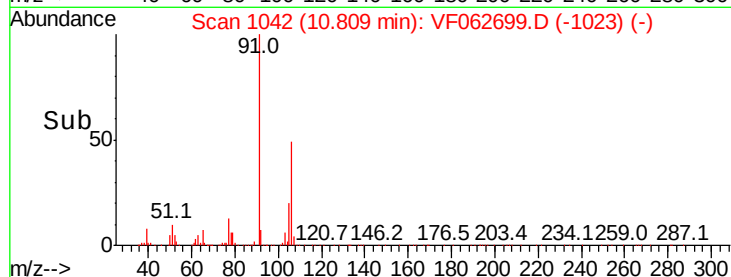
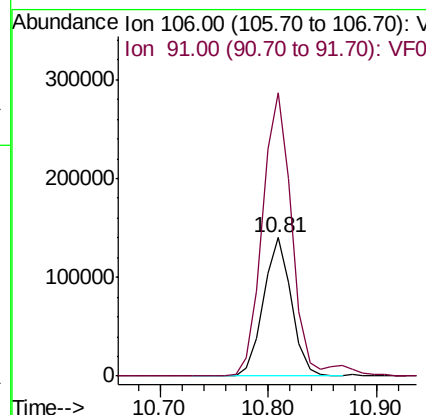
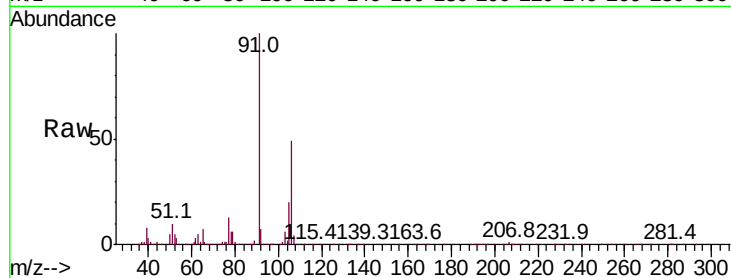
#69
o-Xylene
Concen: 19.662 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	254247		
91	204.7	100.2	300.5	

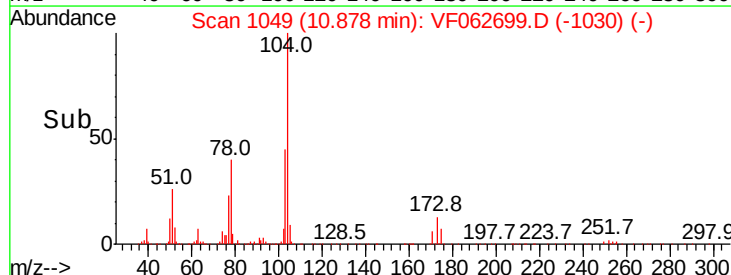
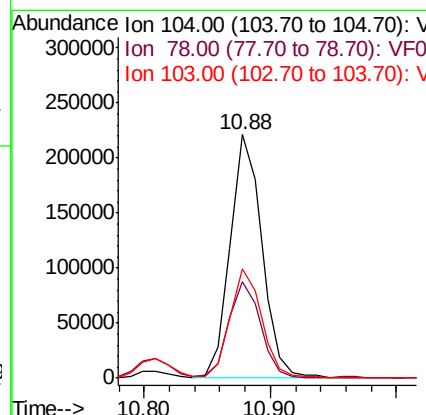
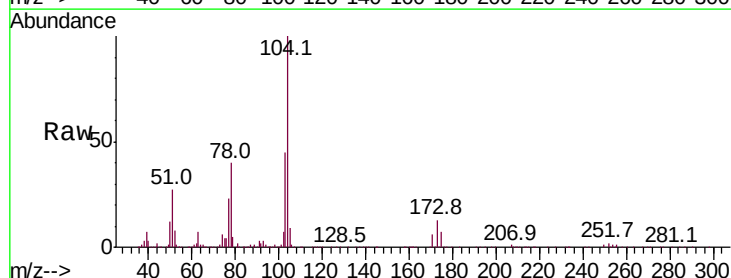
Manual Integrations
APPROVED

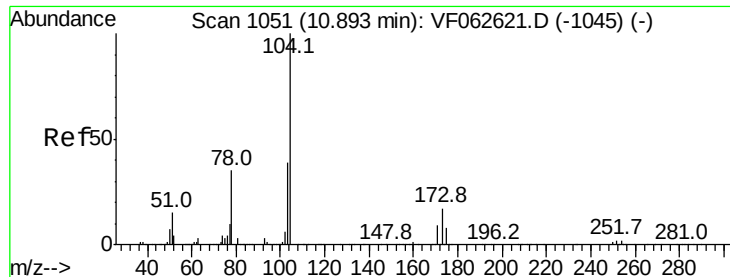
MMDadoda
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#70
Styrene
Concen: 19.496 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	383188		
78	39.7	31.9	47.9	
103	44.7	36.1	54.1	





#71

Bromoform

Concen: 19.759 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

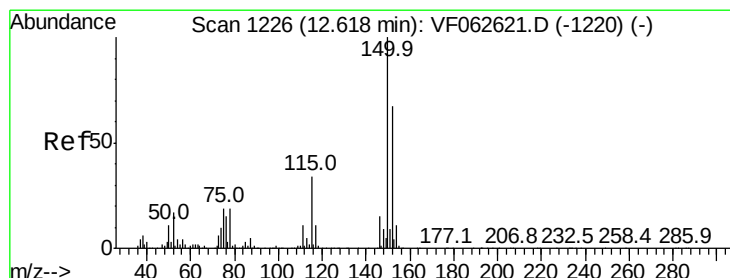
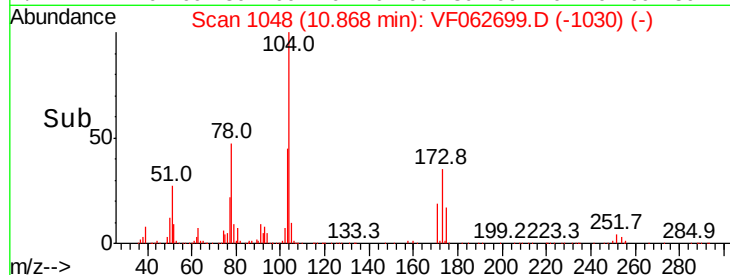
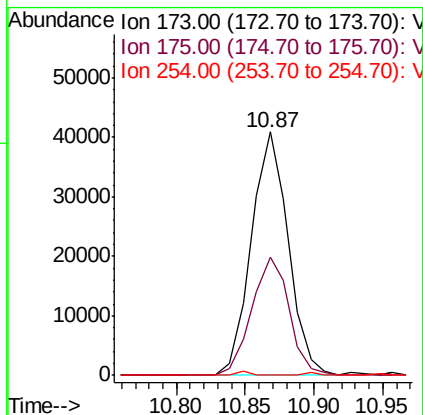
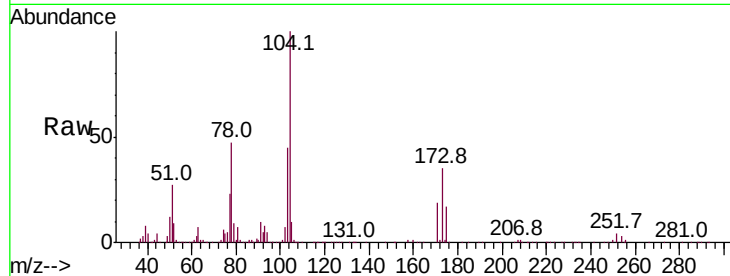
ClientSampleId :

VF0522SBS01

Tot Ion:	173	Resp:	76386
Ion Ratio	Lower	Upper	
173	100		
175	49.6	25.3	75.9
254	0.0	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

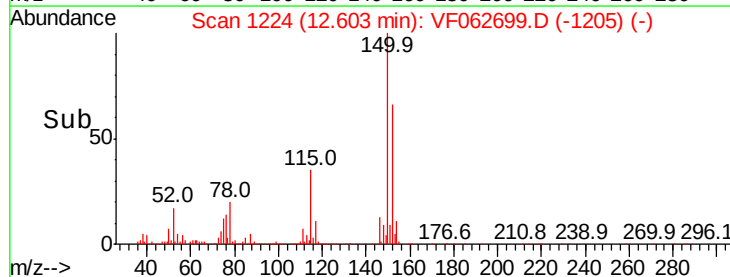
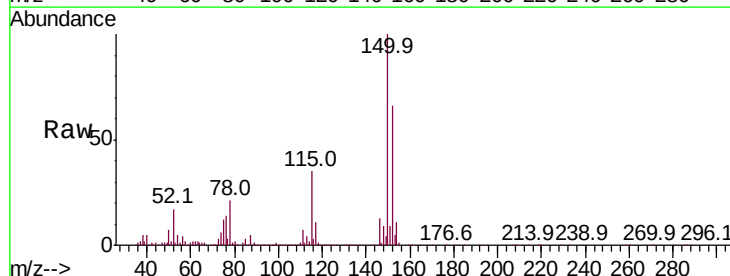
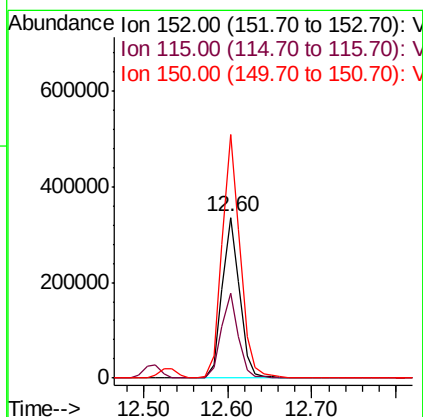
RT: 12.60 min Scan# 1224

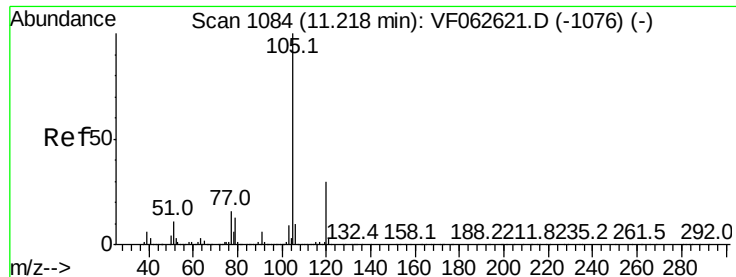
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	152	Resp:	486598
Ion Ratio	Lower	Upper	
152	100		
115	52.5	25.2	75.6
150	151.5	0.0	306.2





#73

Isopropylbenzene

Concen: 20.427 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

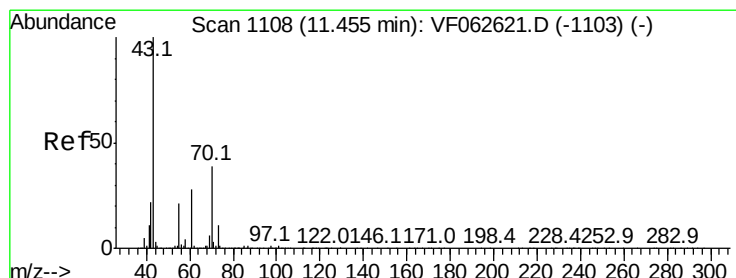
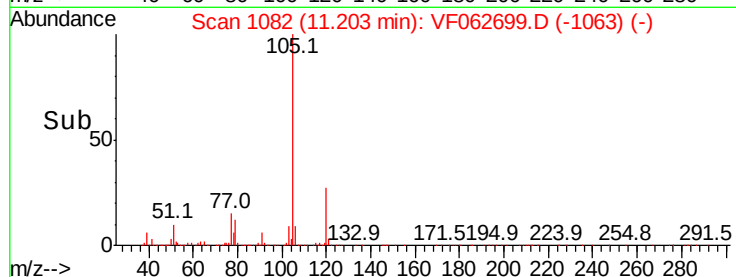
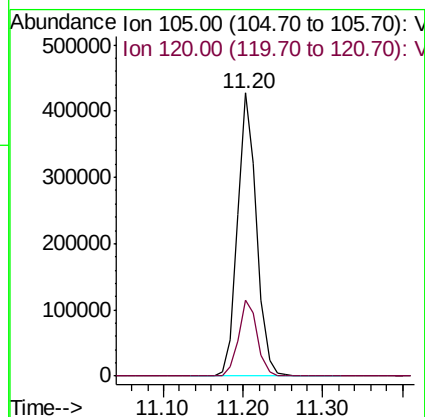
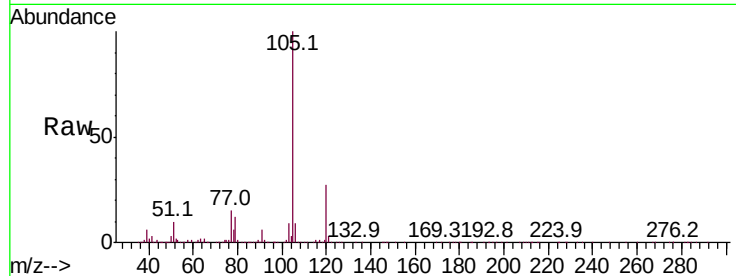
ClientSampleId :

VF0522SBS01

Tot Ion:	105	Resp:	712387
Ion Ratio	Lower	Upper	
105	100		
120	26.8	14.8	44.4

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#74

N-ethyl acetate

Concen: 14.780 ug/l

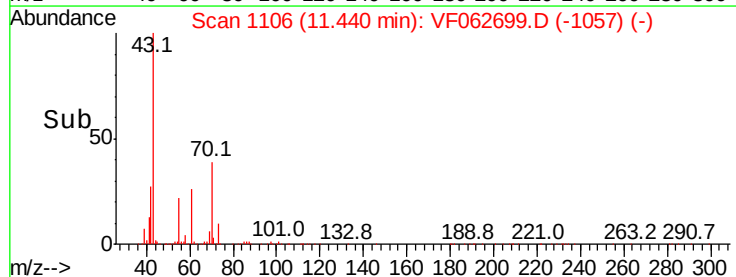
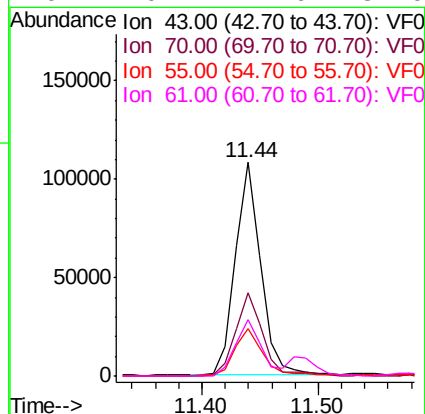
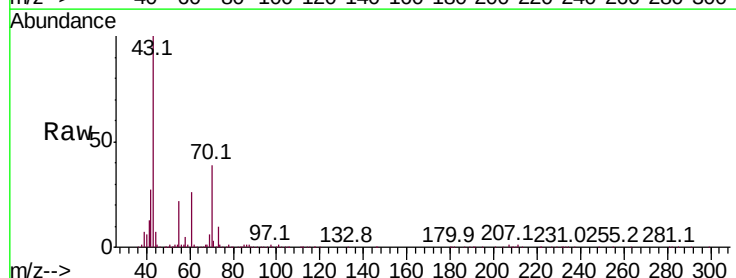
RT: 11.44 min Scan# 1106

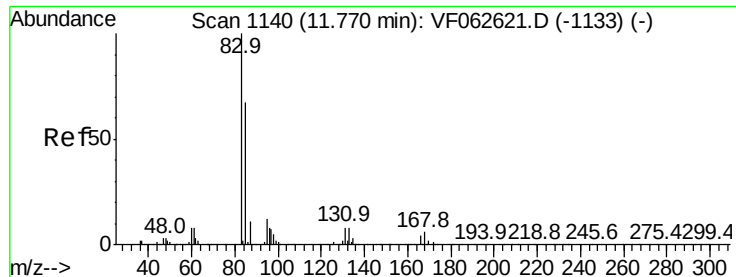
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	43	Resp:	164885
Ion Ratio	Lower	Upper	
43	100		
70	38.9	30.9	46.3
55	22.0	17.0	25.4
61	26.2	22.6	34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.110 ug/l

RT: 11.76 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

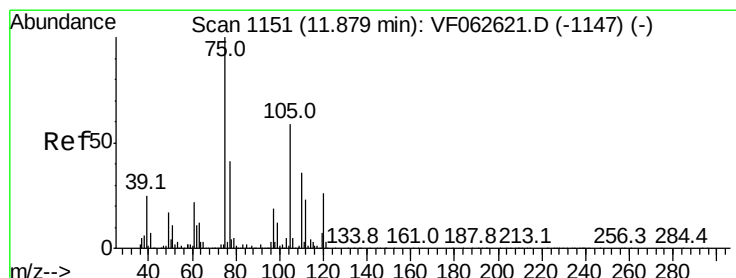
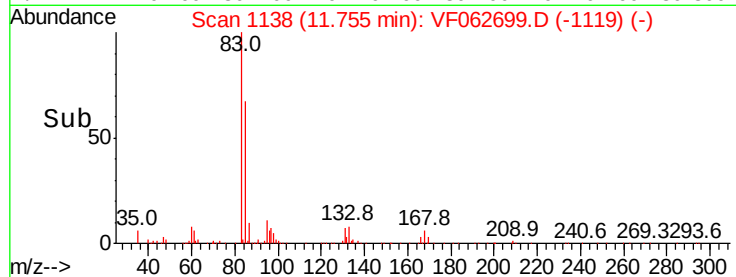
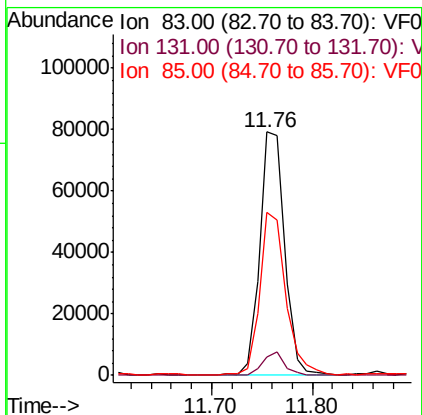
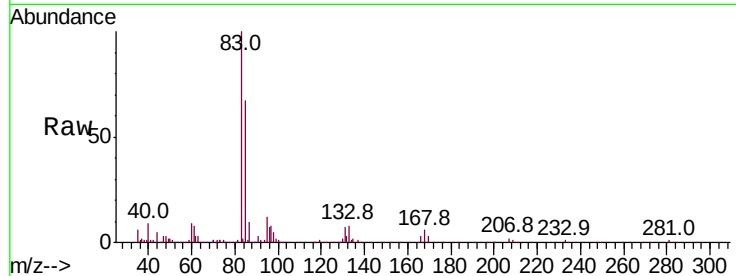
ClientSampleId :

VF0522SBS01

Tot Ion:	83	Resp:	136204
Ion Ratio	Lower	Upper	
83	100		
131	7.4	4.0	12.0
85	66.9	33.5	100.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.970 ug/l

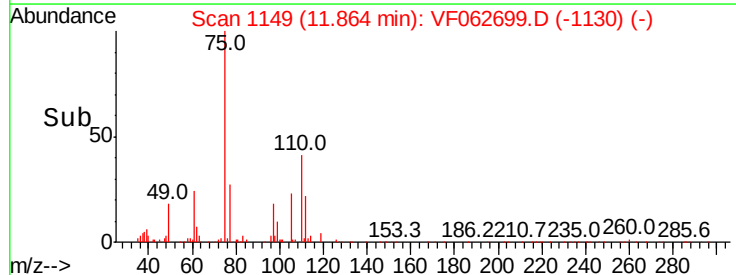
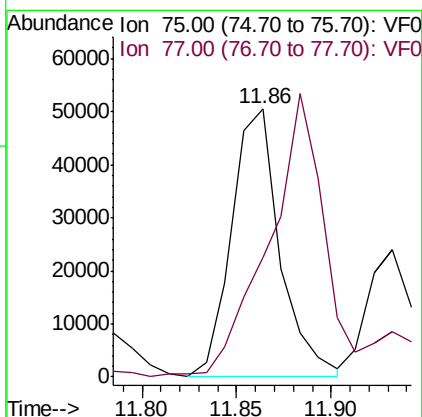
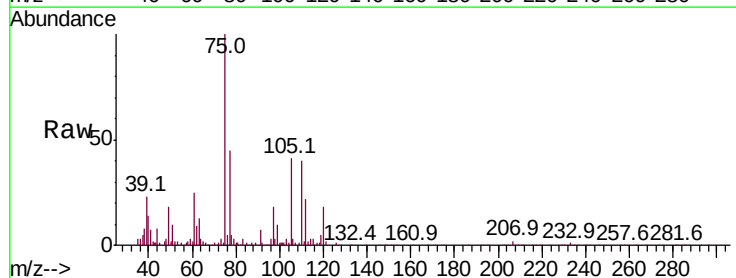
RT: 11.86 min Scan# 1149

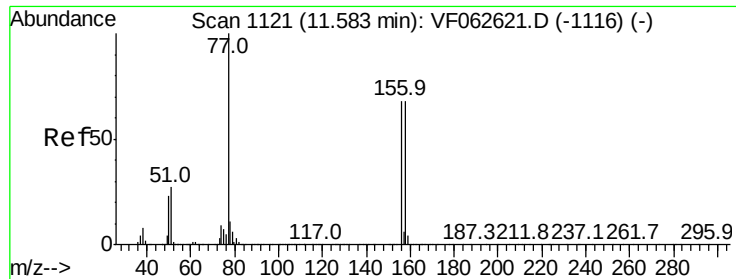
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	75	Resp:	88836
Ion Ratio	Lower	Upper	
75	100		
77	44.5	20.6	61.8





#77

Bromobenzene

Concen: 19.096 ug/l

RT: 11.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

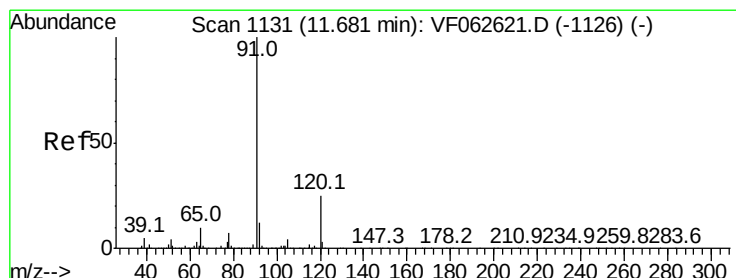
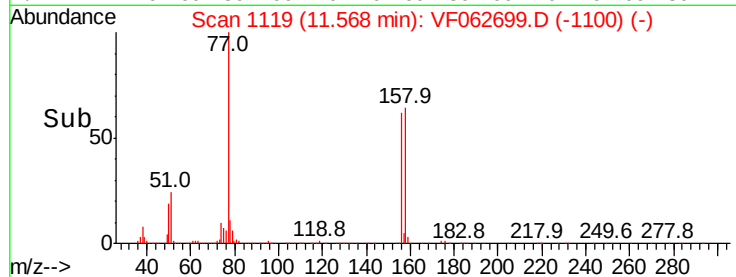
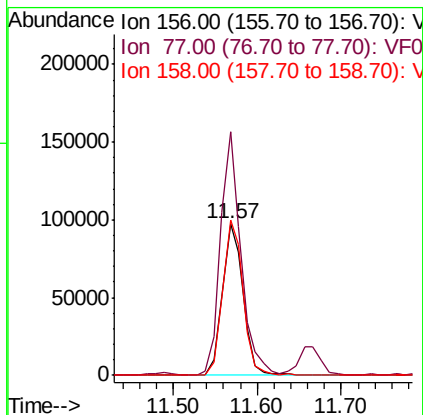
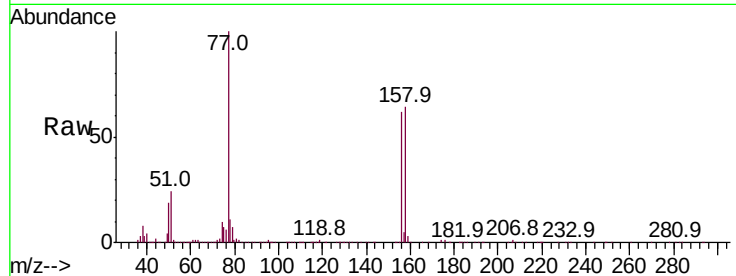
ClientSampleId :

VF0522SBS01

Tot Ion:	156	Resp:	165540
Ion Ratio	Lower	Upper	
156	100		
77	160.6	73.6	220.8
158	102.7	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.466 ug/l

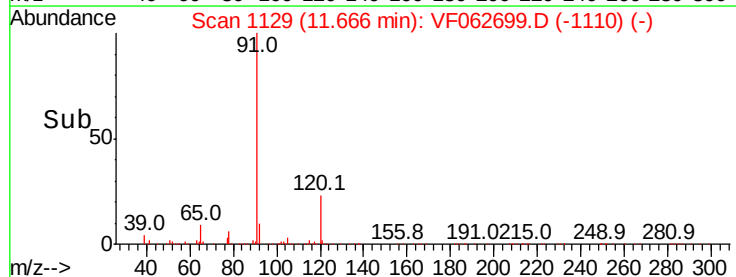
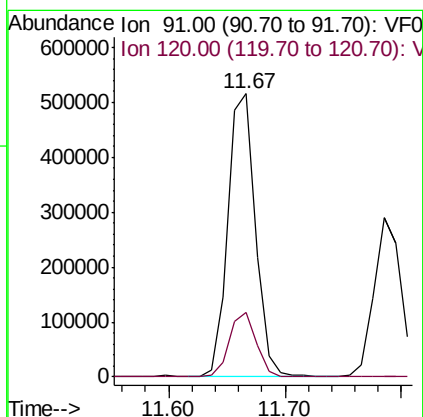
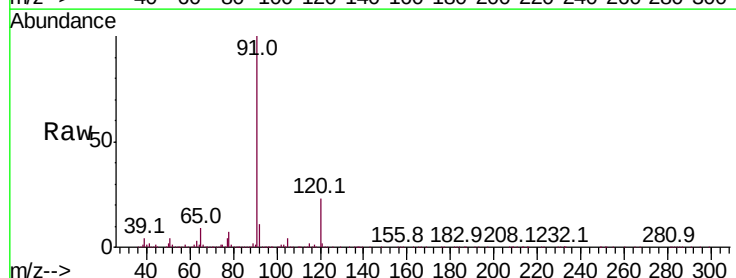
RT: 11.67 min Scan# 1129

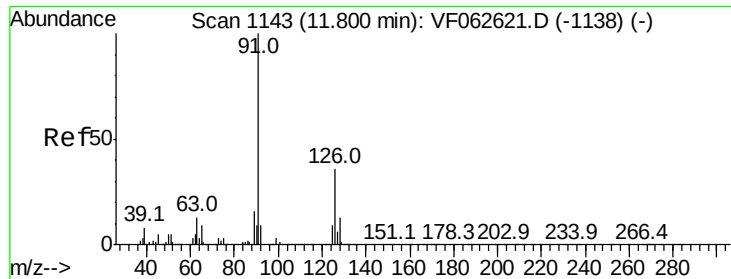
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	91	Resp:	844713
Ion Ratio	Lower	Upper	
91	100		
120	22.9	12.7	38.1





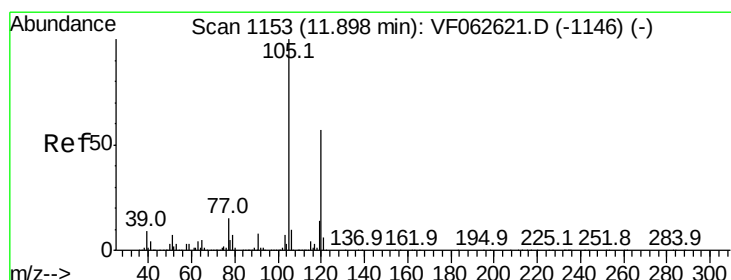
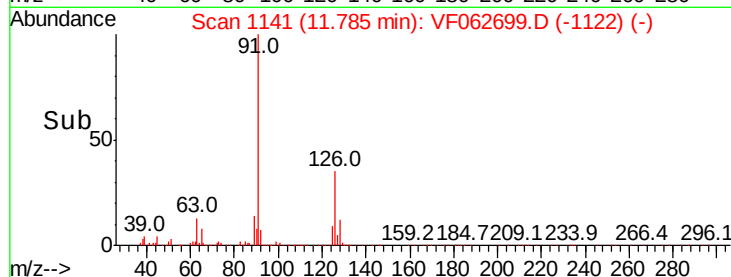
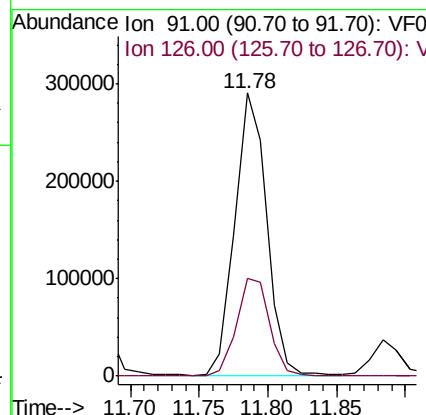
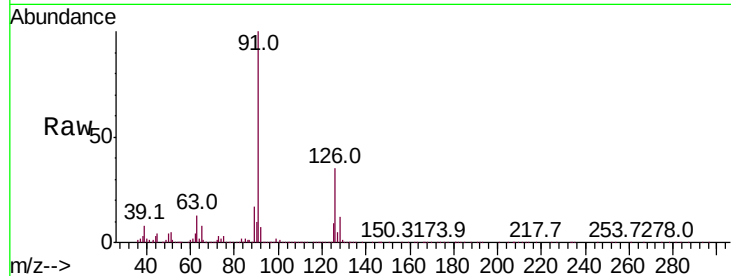
#79
 2-Chlorotoluene
 Concen: 19.958 ug/l
 RT: 11.78 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion: 91 Resp: 464239
 Ion Ratio Lower Upper
 91 100
 126 34.6 18.1 54.4

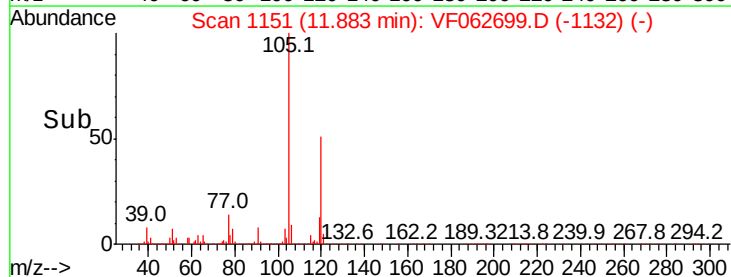
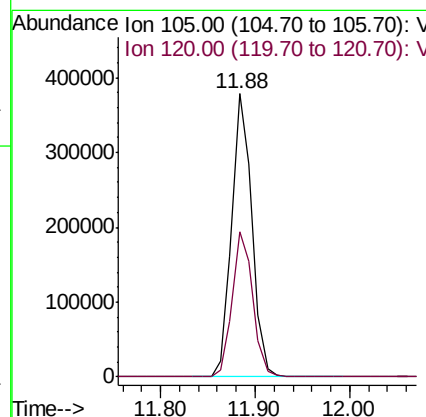
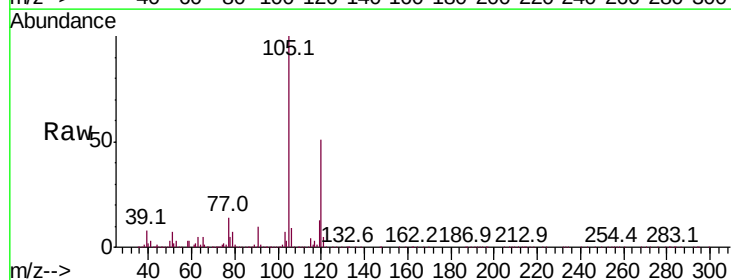
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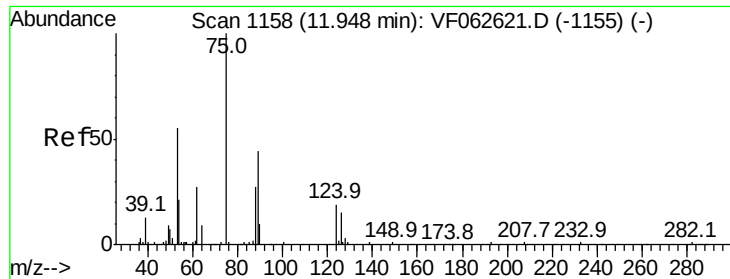
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.013 ug/l
 RT: 11.88 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion: 105 Resp: 559647
 Ion Ratio Lower Upper
 105 100
 120 51.4 28.7 86.3





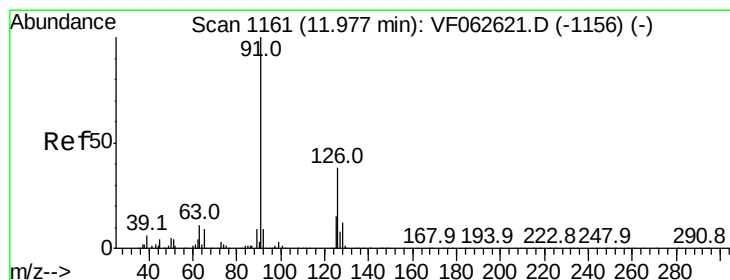
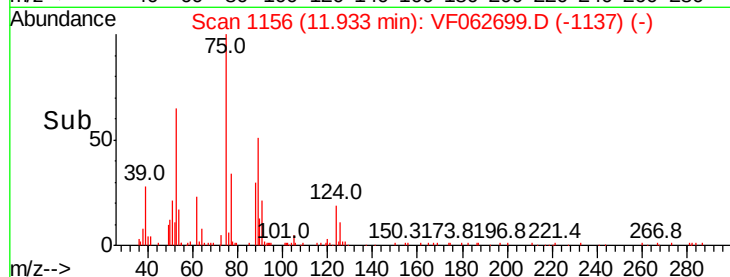
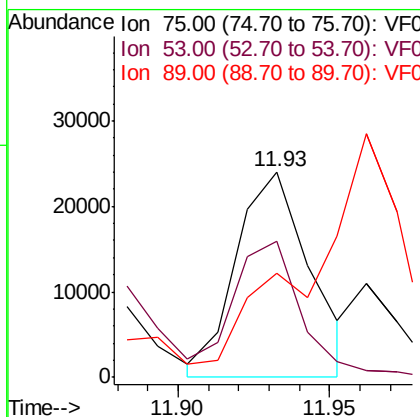
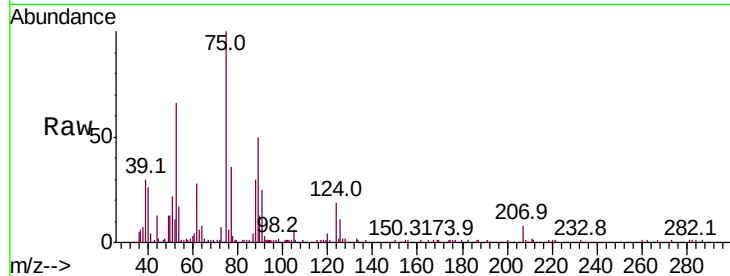
#81
trans-1,4-Dichloro-2-butene
Concen: 19.498 ug/l m
RT: 11.93 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	66.3	46.9	70.3
89	50.4	36.4	54.6

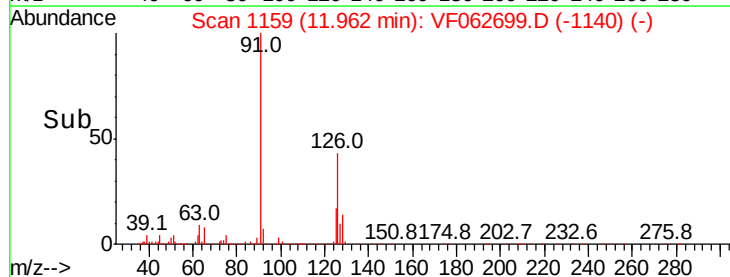
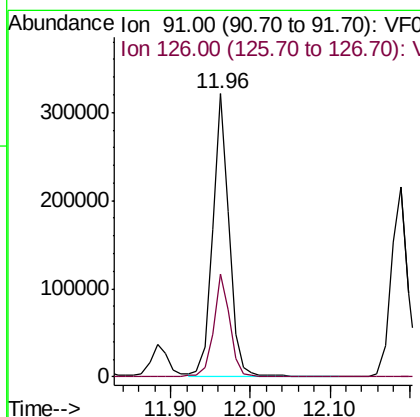
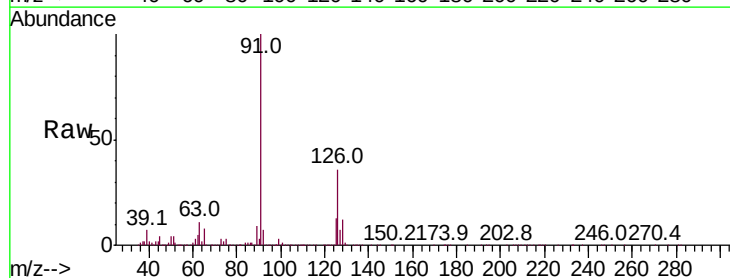
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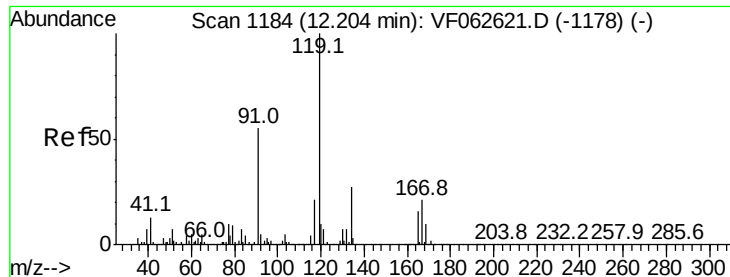
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#82
4-Chlorotoluene
Concen: 20.197 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	19.1	57.1





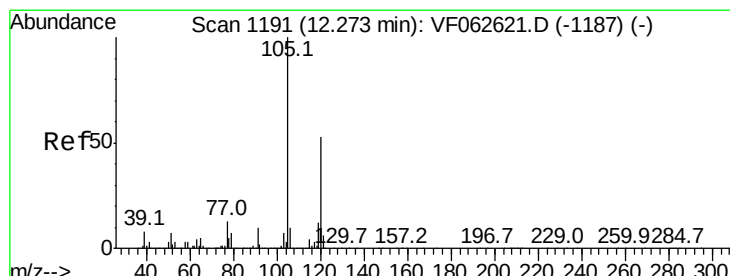
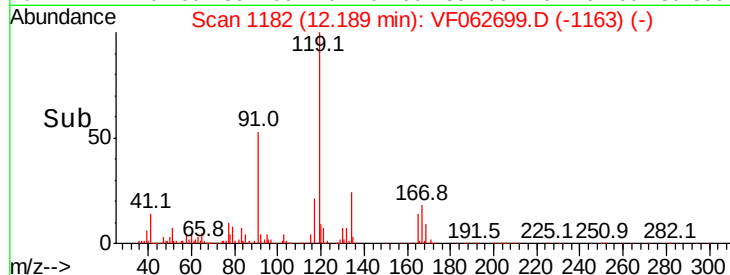
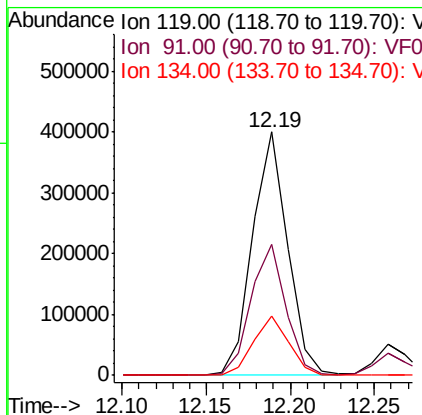
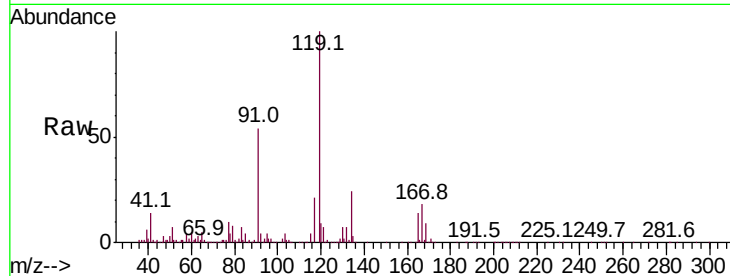
#83
 tert-Butylbenzene
 Concen: 20.431 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	579664		
91	53.8		27.3	81.9
134	24.3		13.6	40.7

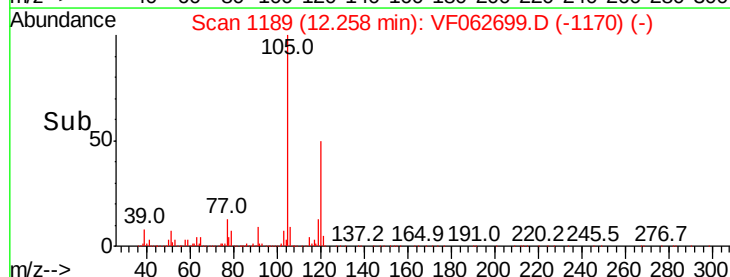
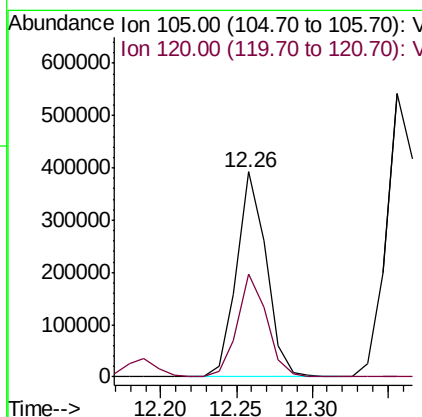
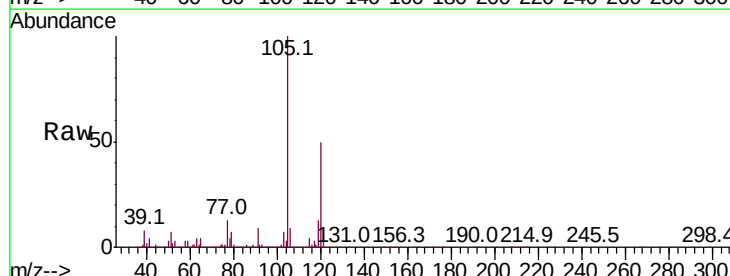
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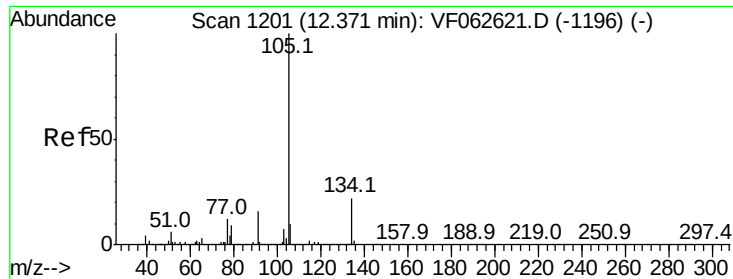
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.799 ug/l
 RT: 12.26 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	535886		
120	50.1		26.7	80.1





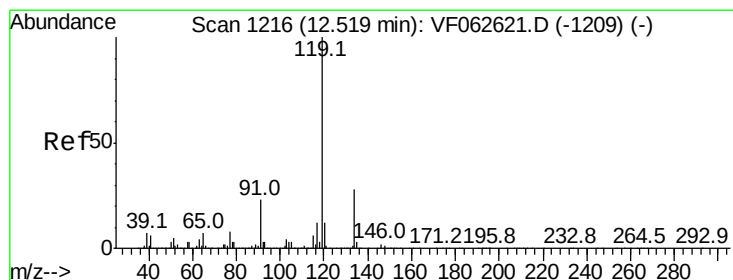
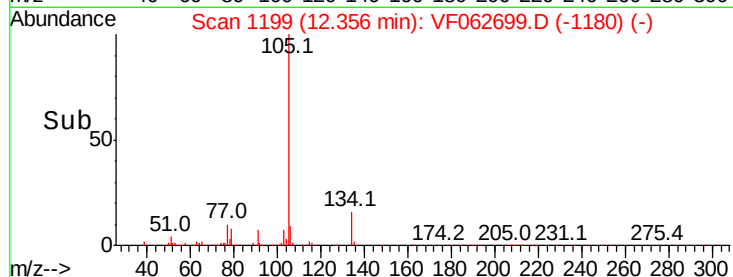
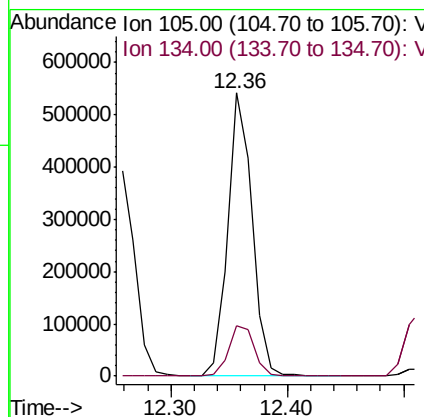
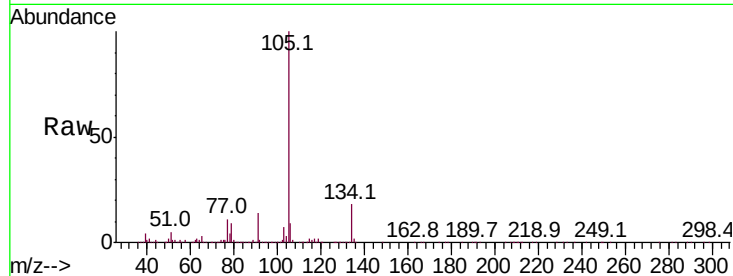
#85
 sec-Butylbenzene
 Concen: 20.526 ug/l
 RT: 12.36 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	781533		
134	17.9	10.8	32.4	

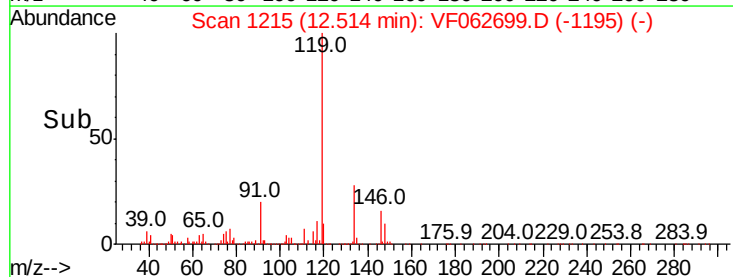
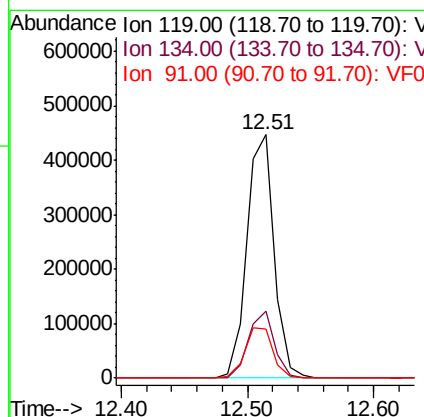
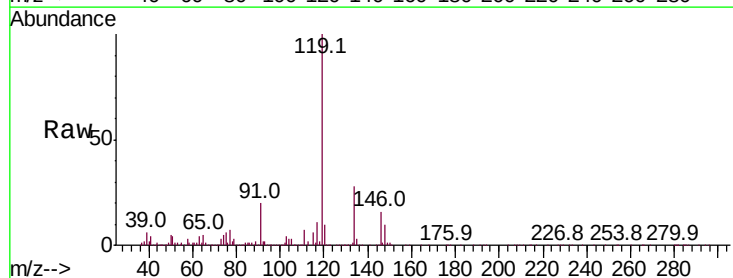
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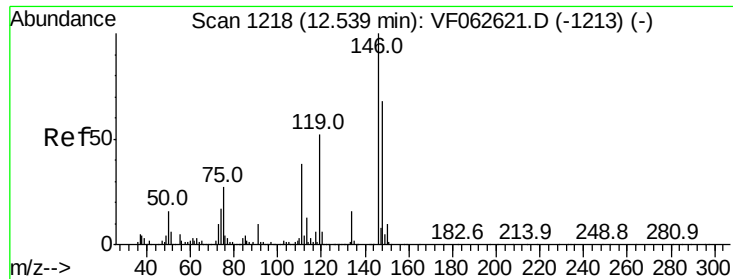
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#86
 p-Isopropyltoluene
 Concen: 20.800 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	667427		
134	27.7	14.1	42.3	
91	20.1	11.4	34.2	





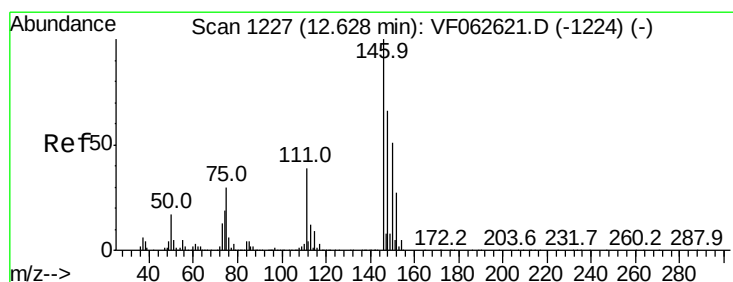
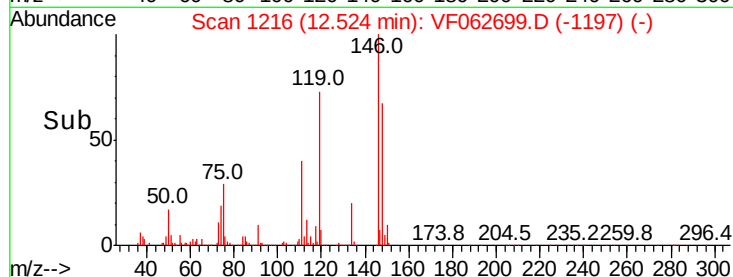
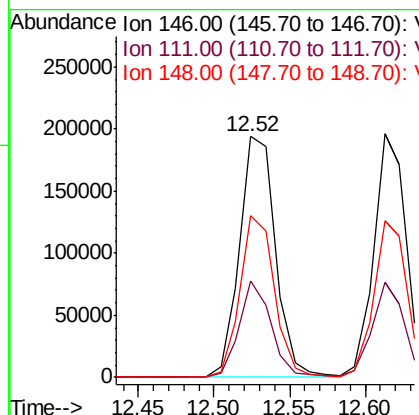
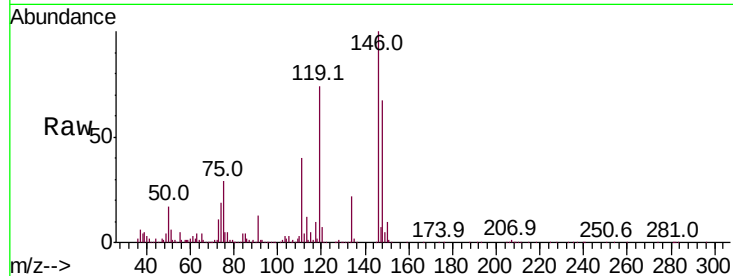
#87
 1,3-Dichlorobenzene
 Concen: 20.555 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	322388		
111	40.2	18.9	56.9	
148	67.4	34.0	101.8	

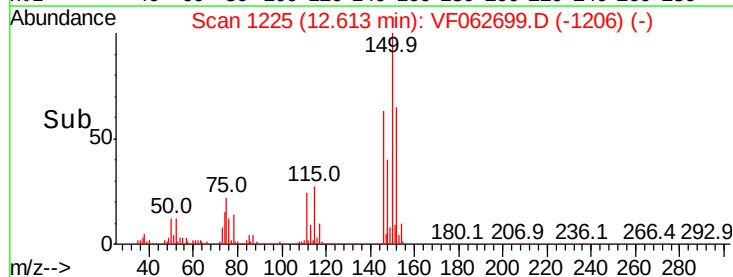
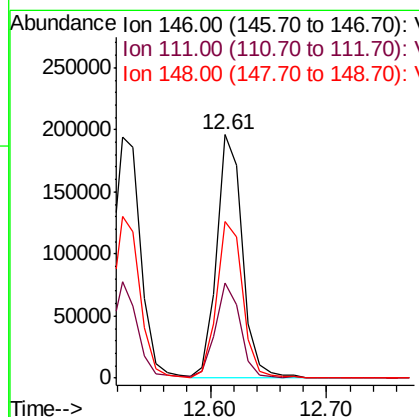
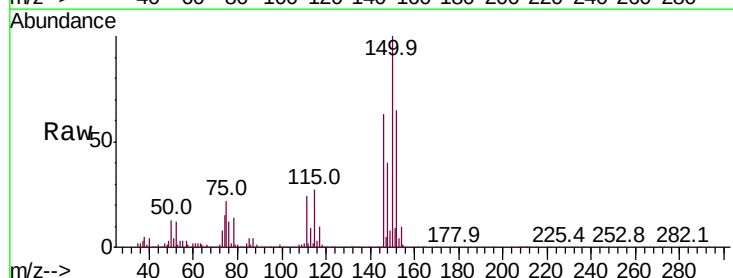
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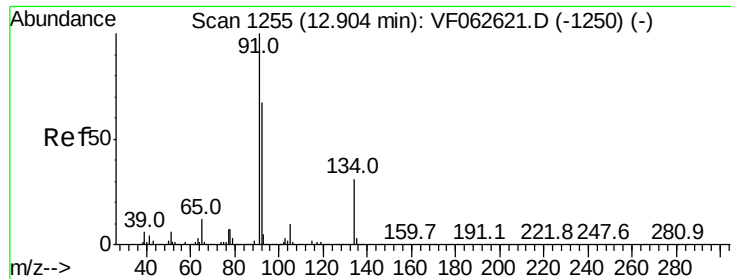
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#88
 1,4-Dichlorobenzene
 Concen: 20.286 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	298565		
111	38.9	19.4	58.2	
148	64.1	33.2	99.6	





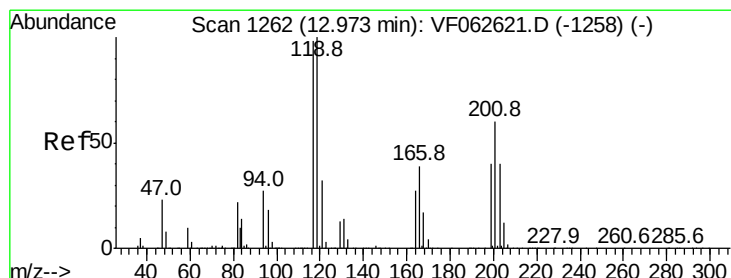
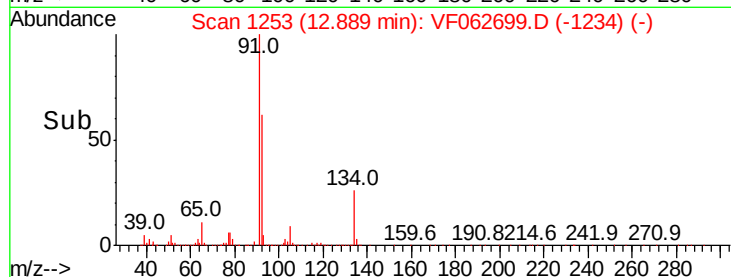
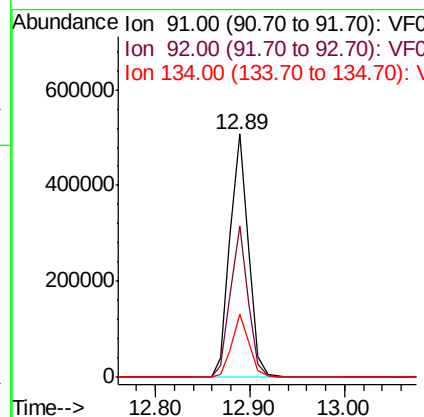
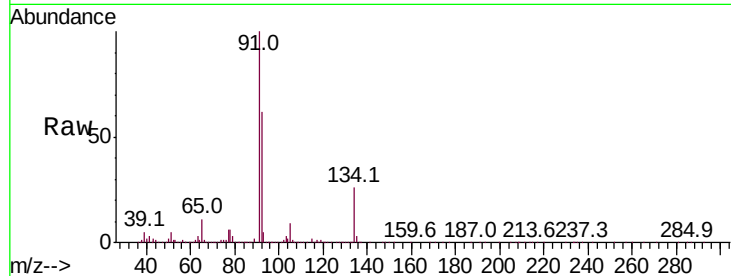
#89
n-Butylbenzene
Concen: 21.762 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	688483		
92	62.3		33.3	99.8
134	26.1		15.4	46.4

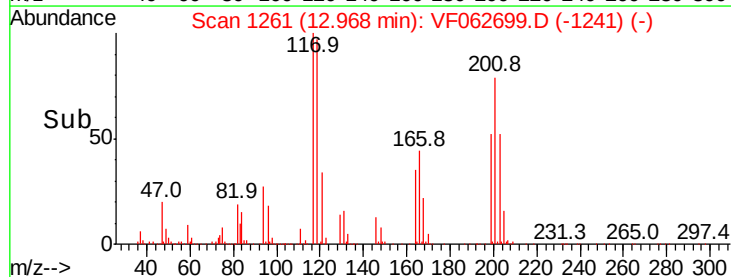
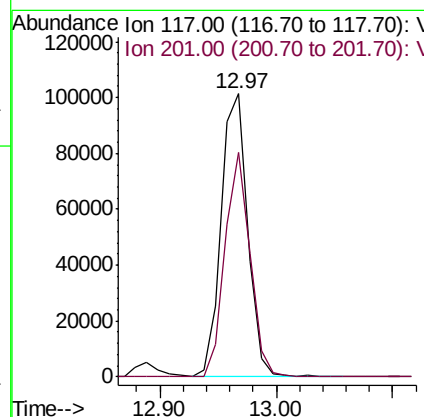
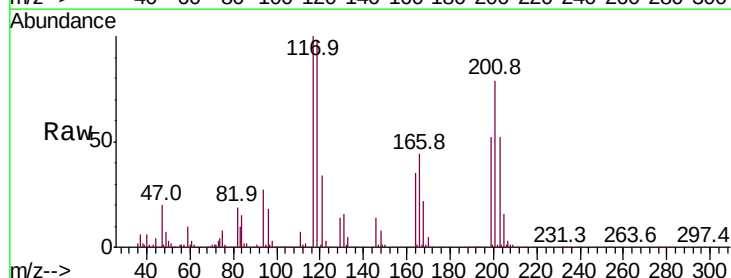
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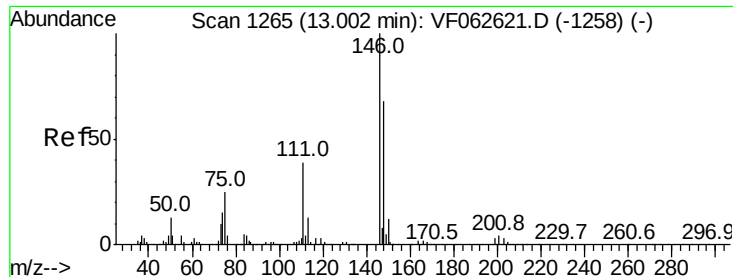
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#90
Hexachloroethane
Concen: 20.882 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	160737		
201	79.4		30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 20.556 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

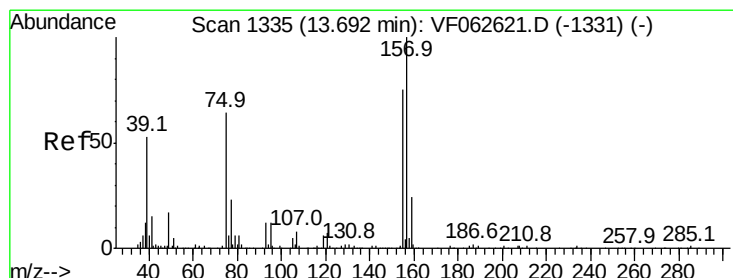
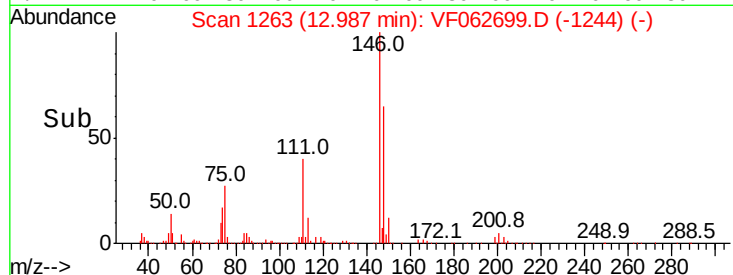
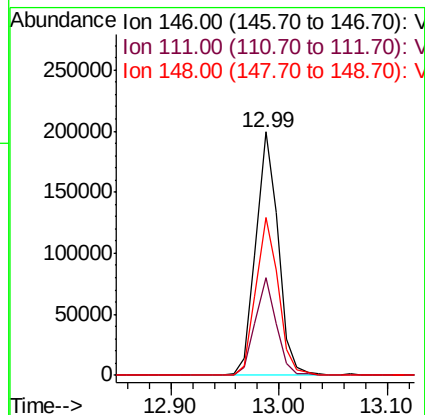
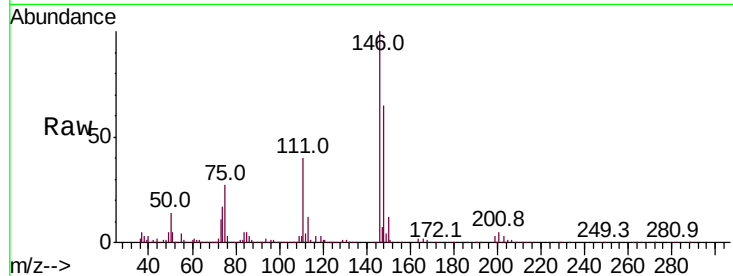
ClientSampleId :

VF0522SBS01

Tot Ion:	146	Resp:	287378
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.8	59.3
148	65.1	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.276 ug/l

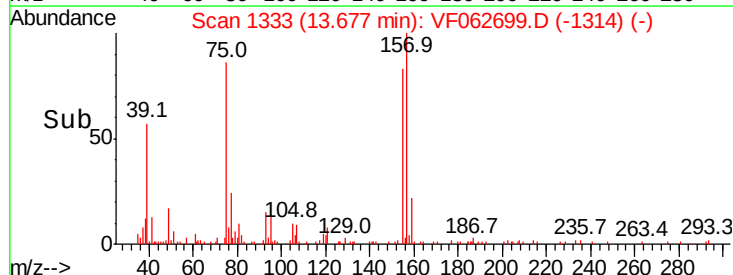
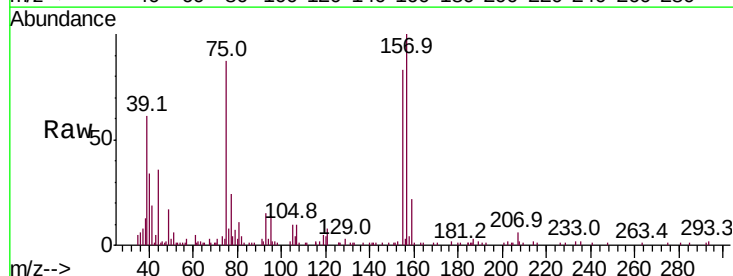
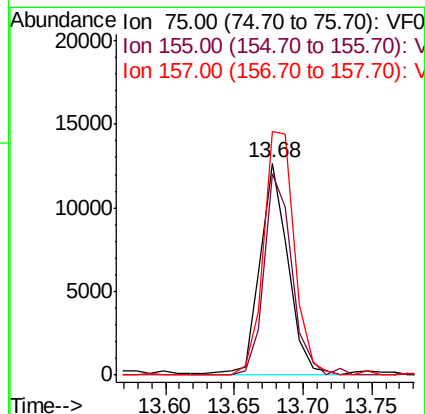
RT: 13.68 min Scan# 1333

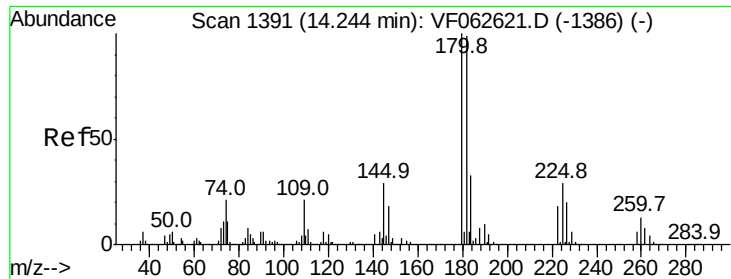
Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion:	75	Resp:	18090
Ion Ratio	Lower	Upper	
75	100		
155	94.9	58.1	174.3
157	119.4	77.8	233.4





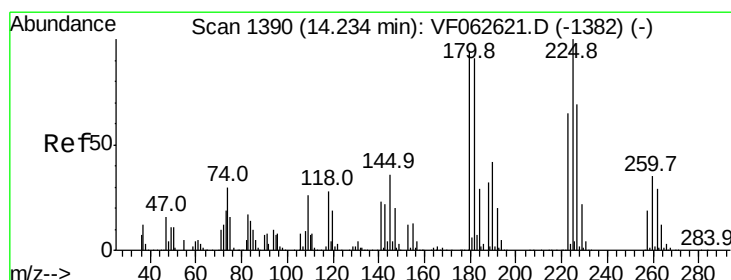
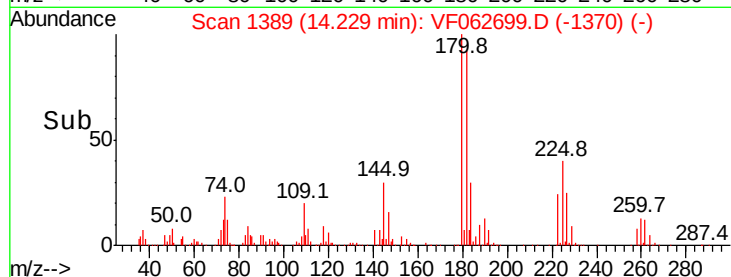
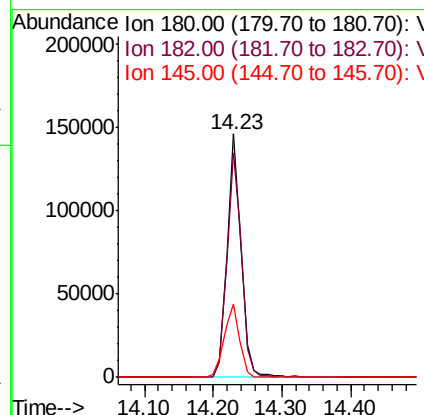
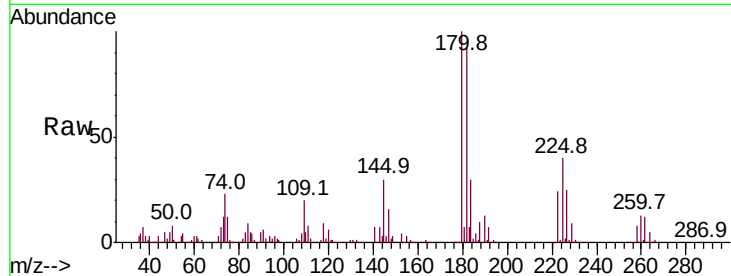
#93
 1,2,4-Trichlorobenzene
 Concen: 20.622 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	206366		
182	92.0	49.7	149.1	
145	30.3	14.6	44.0	

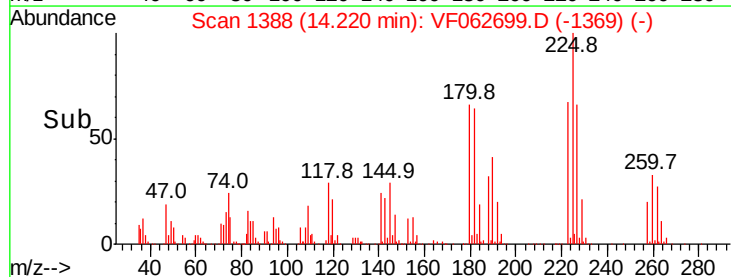
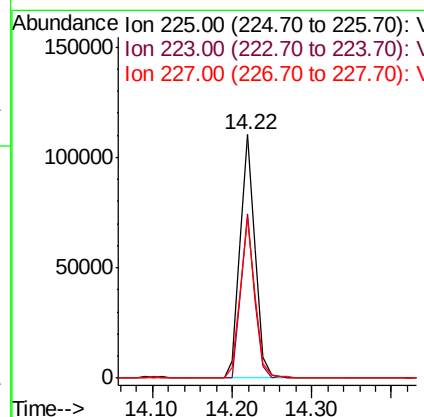
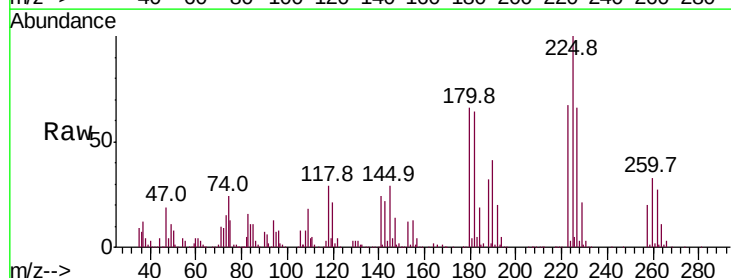
Manual Integrations
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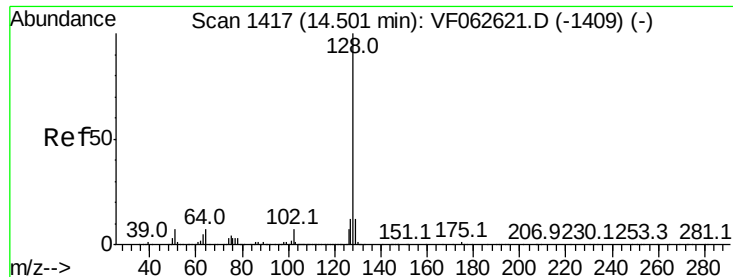
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#94
 Hexachlorobutadiene
 Concen: 21.219 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	148191		
223	67.3	32.5	97.4	
227	65.9	34.5	103.5	





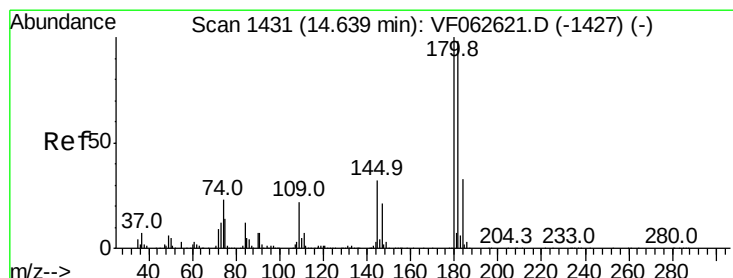
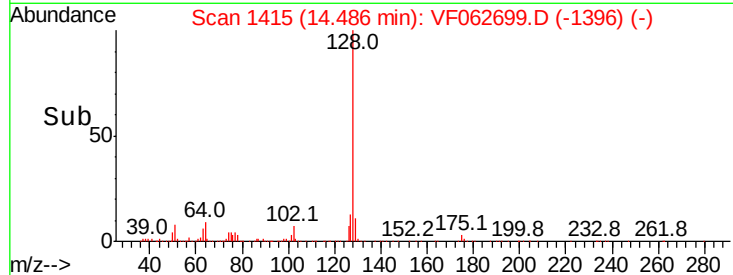
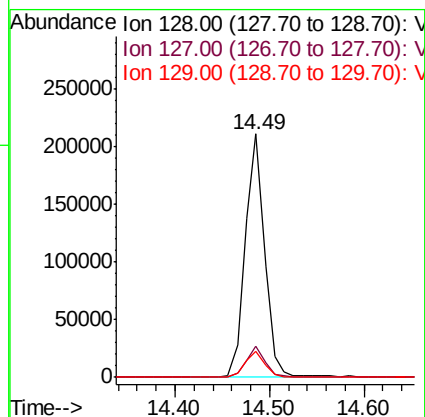
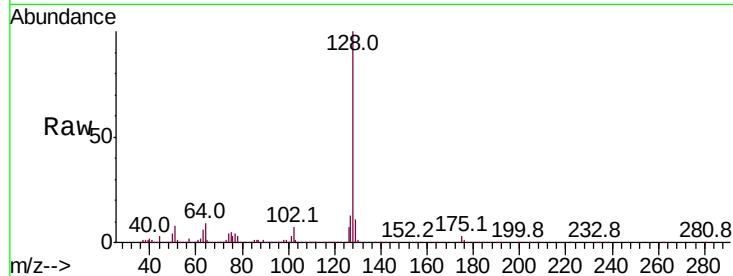
#95
Naphthalene
Concen: 16.362 ug/l
RT: 14.49 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		297460		
127	12.9	9.7	14.5		
129	10.6	9.3	13.9		

Manual Integrations
APPROVED

MMDadoda
5/23/2019 12:16:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.346 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		183375		
182	98.1	48.9	146.7		
145	26.7	16.1	48.2		

