

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061632.D
 Acq On : 14 Feb 2019 10:57
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:11:33 AM

Quant Time: Feb 15 00:55:19 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M

Quant Title : SW846 8260

QLast Update : Thu Feb 14 03:27:56 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	306870	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	455411	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	394392	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	201998	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	115238	51.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	4.09	113	172778	51.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.55	98	510626	52.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.40	95	195707	49.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	184572	52.375	ug/l	100
3) Chloromethane	1.10	50	204550	55.321	ug/l	98
4) Vinyl Chloride	1.14	62	191159	55.613	ug/l	94
5) Bromomethane	1.31	94	139140	58.815	ug/l	96
6) Chloroethane	1.38	64	99459	58.714	ug/l	99
7) Trichlorofluoromethane	1.48	101	225875m	54.482	ug/l	
8) Diethyl Ether	1.62	74	52089	49.856	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	156617	52.366	ug/l	97
10) Methyl Iodide	1.90	142	306651m	53.674	ug/l	
11) Tert butyl alcohol	2.57	59	29361	225.447	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	146544	55.729	ug/l	97
13) Acrolein	1.99	56	44000	268.815	ug/l	98
14) Allyl chloride	2.08	41	201866	62.560	ug/l	97
15) Acrylonitrile	2.93	53	106367	230.258	ug/l	96
16) Acetone	2.23	43	137179	284.121	ug/l	99
17) Carbon Disulfide	1.80	76	453788m	54.901	ug/l	
18) Methyl Acetate	2.34	43	49998	45.968	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	233225	51.896	ug/l	98
20) Methylene Chloride	2.17	84	144163m	56.026	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	152017	53.180	ug/l	99
22) Diisopropyl ether	2.78	45	409416	52.858	ug/l	98
23) Vinyl Acetate	3.18	43	941755	248.932	ug/l	100
24) 1,1-Dichloroethane	2.86	63	246263	52.538	ug/l	99
25) 2-Butanone	4.32	43	272254	258.152	ug/l	99
26) 2,2-Dichloropropane	3.59	77	114330	57.583	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	197556	52.653	ug/l	98
28) Bromochloromethane	3.71	49	109846	48.841	ug/l	97
29) Tetrahydrofuran	4.05	42	103089	215.066	ug/l	96
30) Chloroform	3.85	83	275860	51.750	ug/l	98
31) Cyclohexane	3.68	56	266653	52.550	ug/l	94
32) 1,1,1-Trichloroethane	4.08	97	190530	54.564	ug/l	97
36) 1,1-Dichloropropene	4.27	75	241826	53.603	ug/l	97
37) Ethyl Acetate	4.09	43	90924	43.391	ug/l #	70
38) Carbon Tetrachloride	3.98	117	167768	53.855	ug/l	96

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Quant Time: Feb 15 00:55:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	294229	55.146	ug/l	98
40) Benzene	4.62	78	642963	54.487	ug/l	99
41) Methacrylonitrile	4.73	41	50106	46.758	ug/l	93
42) 1,2-Dichloroethane	4.93	62	143217	50.738	ug/l	95
43) Isopropyl Acetate	6.94	43	107206	43.222	ug/l #	95
44) Trichloroethene	5.49	130	186690	48.924	ug/l	100
45) 1,2-Dichloropropane	6.22	63	142698	50.028	ug/l	99
46) Dibromomethane	6.08	93	91790	52.266	ug/l	95
47) Bromodichloromethane	6.37	83	202980	52.779	ug/l	95
48) Methyl methacrylate	6.71	41	70729	47.385	ug/l	93
49) 1,4-Dioxane	6.69	88	13980	996.323	ug/l	89
51) 4-Methyl-2-Pentanone	8.25	43	390005	220.058	ug/l	100
52) Toluene	7.61	92	356031	49.748	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	152705	47.708	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	235792	55.306	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	105162	50.013	ug/l	96
56) Ethyl methacrylate	8.61	69	109508	46.777	ug/l	99
57) 1,3-Dichloropropane	8.85	76	161289	45.955	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	74788	185.156	ug/l	98
59) 2-Hexanone	9.48	43	291569	234.697	ug/l	98
60) Dibromochloromethane	8.71	129	145388	49.676	ug/l	93
61) 1,2-Dibromoethane	8.98	107	108683	47.654	ug/l	98
64) Tetrachloroethene	8.15	164	168910	52.396	ug/l	99
65) Chlorobenzene	9.78	112	408290	51.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	166741	53.170	ug/l	100
67) Ethyl Benzene	9.89	91	685588	51.513	ug/l	97
68) m/p-Xylenes	10.12	106	534729	104.981	ug/l	97
69) o-Xylene	10.70	106	291961	53.718	ug/l	100
70) Styrene	10.78	104	376260	48.935	ug/l	99
71) Bromoform	10.76	173	80371	47.196	ug/l #	98
73) Isopropylbenzene	11.11	105	823646	57.270	ug/l	96
74) N-amyl acetate	11.36	43	177090	51.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	124457	48.303	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	82768	47.248	ug/l	100
77) Bromobenzene	11.49	156	196318	55.255	ug/l	98
78) n-propylbenzene	11.59	91	926522	56.141	ug/l	99
79) 2-Chlorotoluene	11.72	91	510279	55.208	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	630038	54.812	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	42852m	51.025	ug/l	
82) 4-Chlorotoluene	11.89	91	503863	52.521	ug/l	99
83) tert-Butylbenzene	12.12	119	685917	53.876	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	623491	54.598	ug/l	100
85) sec-Butylbenzene	12.30	105	926953	56.303	ug/l	100
86) p-Isopropyltoluene	12.46	119	757988	54.859	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	349009	50.387	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	354603	53.232	ug/l	100
89) n-Butylbenzene	12.84	91	737191	56.502	ug/l	95
90) Hexachloroethane	12.91	117	189121	58.852	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	338631	51.399	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20933	51.243	ug/l	75

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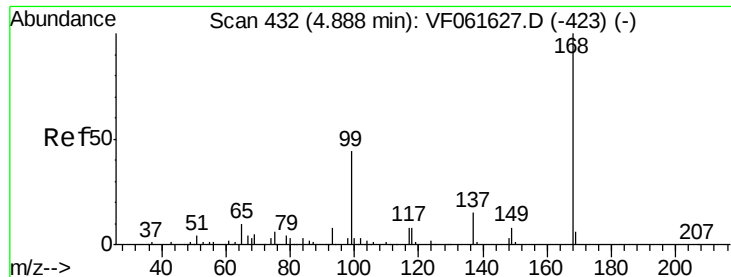
Manual Integrations
APPROVED

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Quant Time: Feb 15 00:55:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	257032	54.429	ug/l	98
94) Hexachlorobutadiene	14.18	225	164905	56.542	ug/l	98
95) Naphthalene	14.45	128	442094	53.508	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	232769	53.703	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 306870

Ion Ratio Lower Upper

168 100

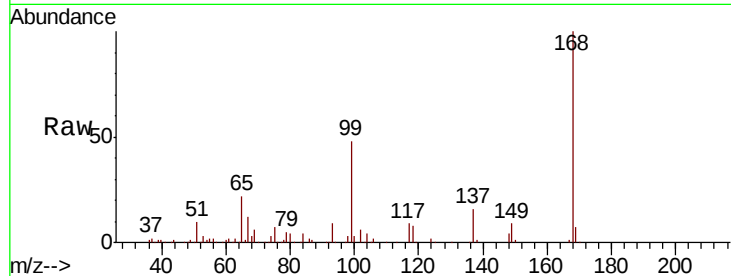
99 48.4 34.9 52.3

Manual Integrations

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2/18/2019 12:11:33 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

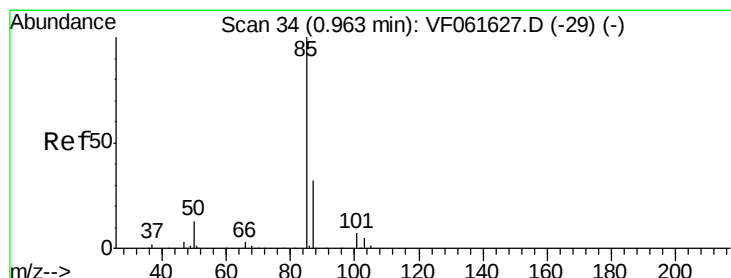
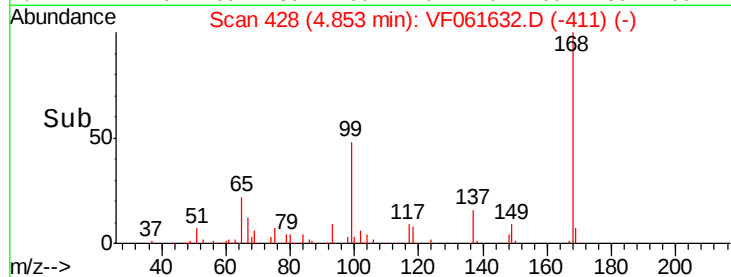
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.375 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061632.D

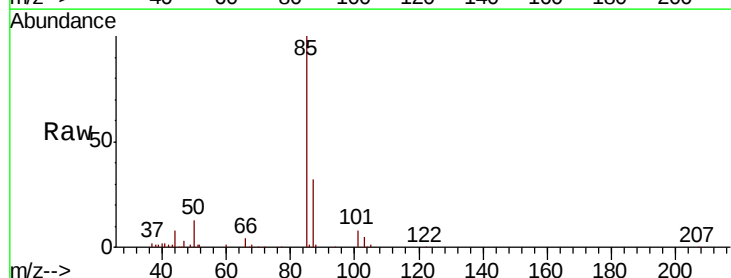
Acq: 14 Feb 2019 10:57

Tgt Ion: 85 Resp: 184572

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

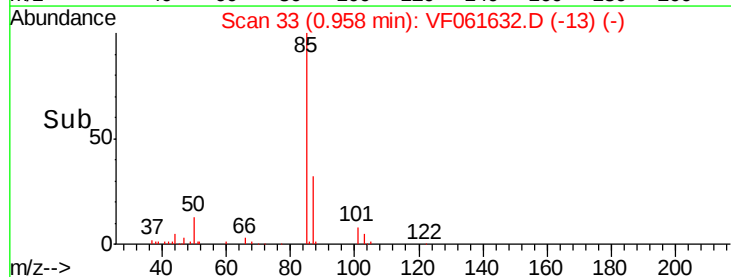
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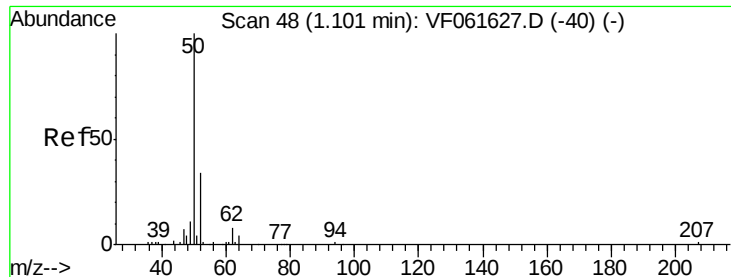
20000

10000

0

Time-->





#3

Chloromethane

Concen: 55.321 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 204550

Ion Ratio Lower Upper

50 100

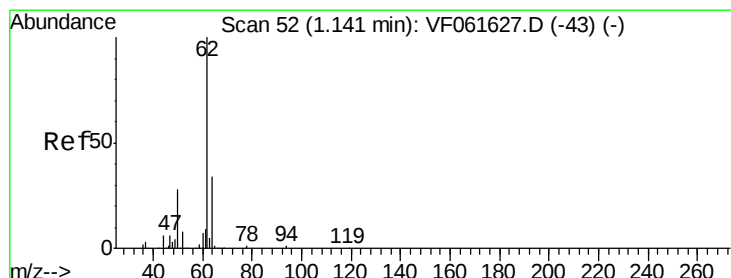
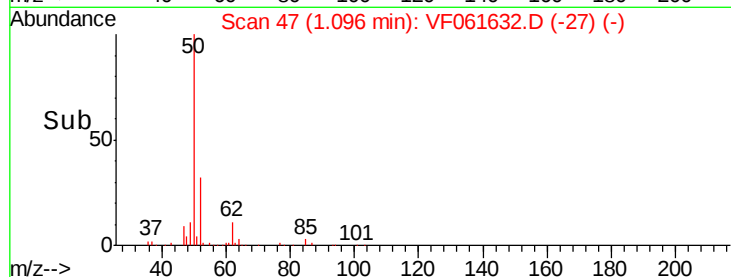
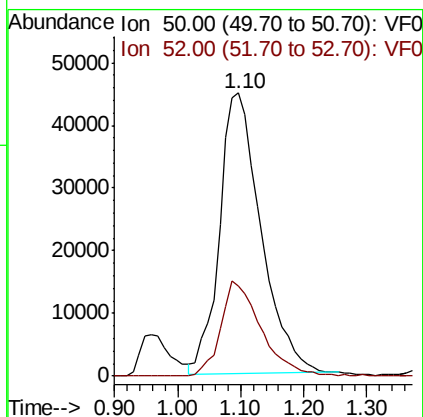
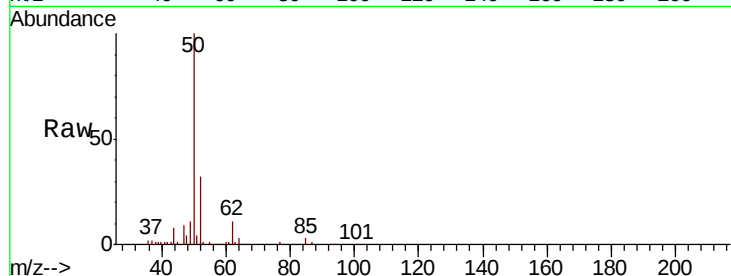
52 31.9 26.2 39.4

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 55.613 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061632.D

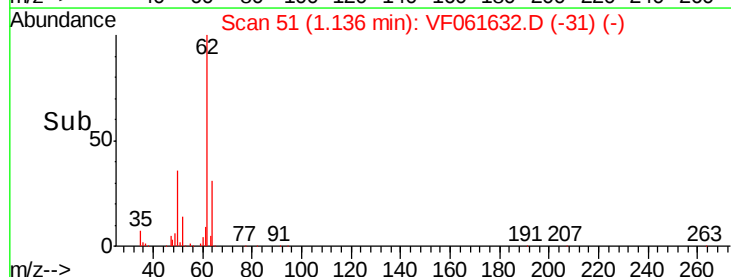
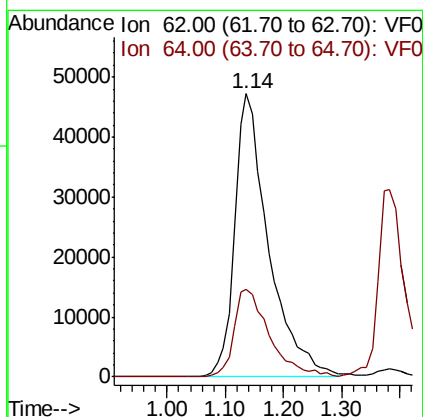
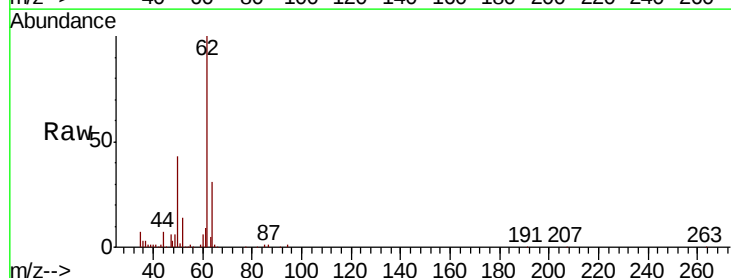
Acq: 14 Feb 2019 10:57

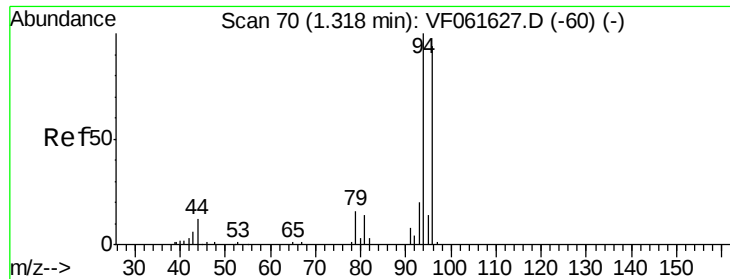
Tgt Ion: 62 Resp: 191159

Ion Ratio Lower Upper

62 100

64 30.7 27.5 41.3





#5

Bromomethane

Concen: 58.815 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 139140

Ion Ratio Lower Upper

94 100

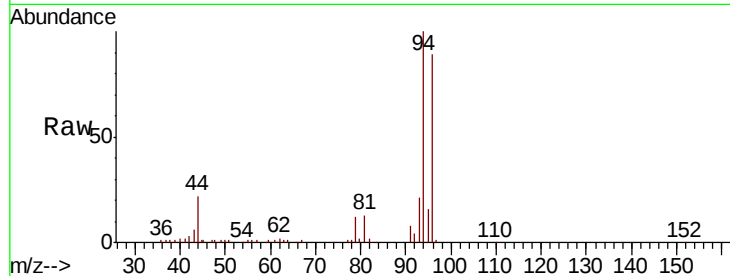
96 89.3 74.6 112.0

Manual Integrations

APPROVED

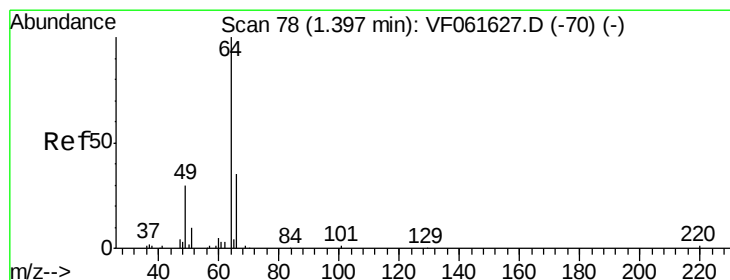
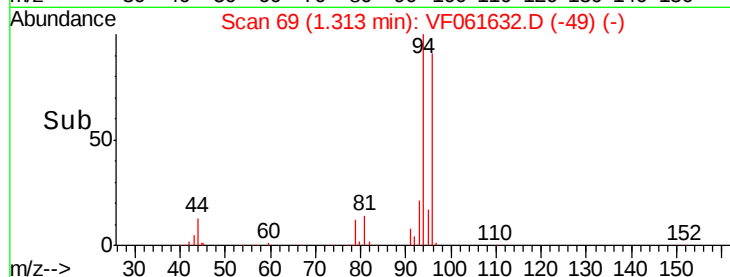
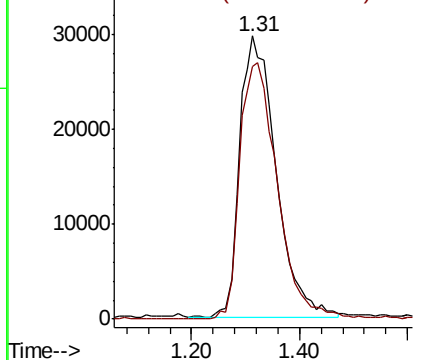
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 58.714 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061632.D

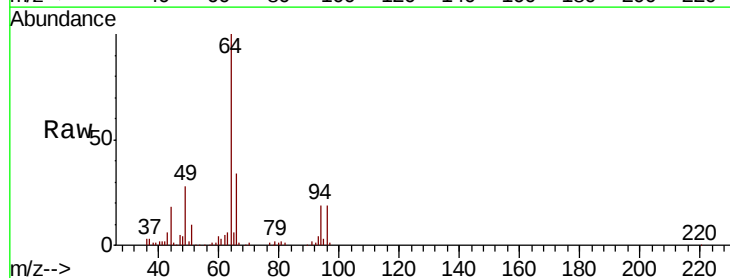
Acq: 14 Feb 2019 10:57

Tgt Ion: 64 Resp: 99459

Ion Ratio Lower Upper

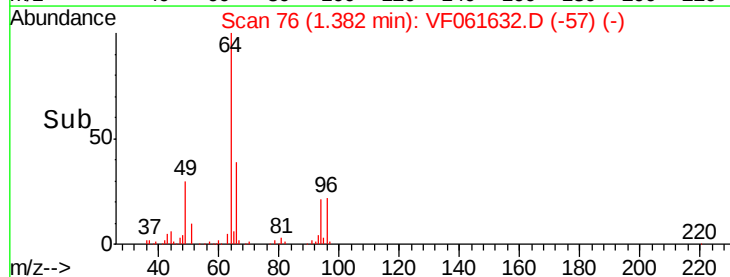
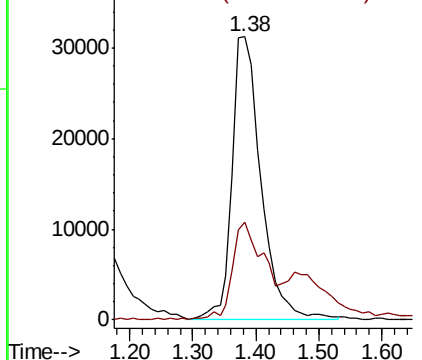
64 100

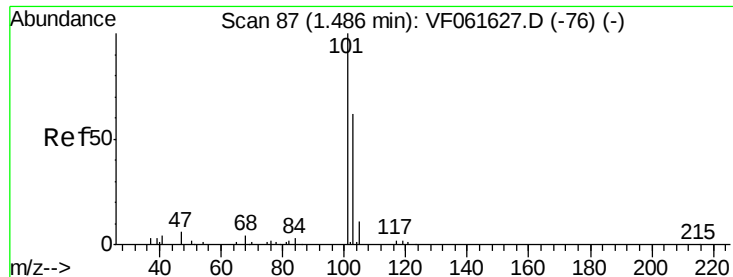
66 34.4 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

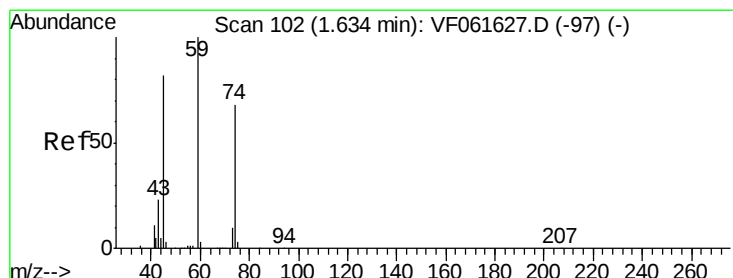
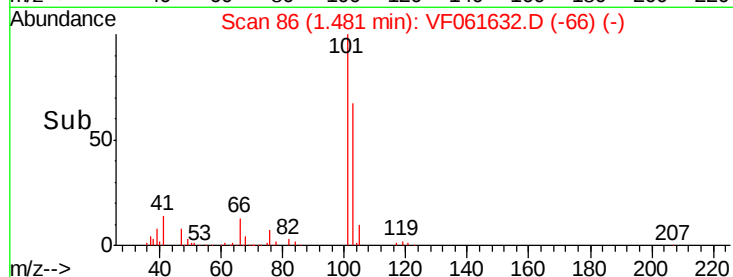
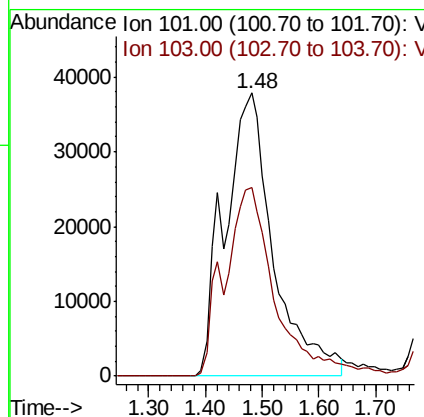
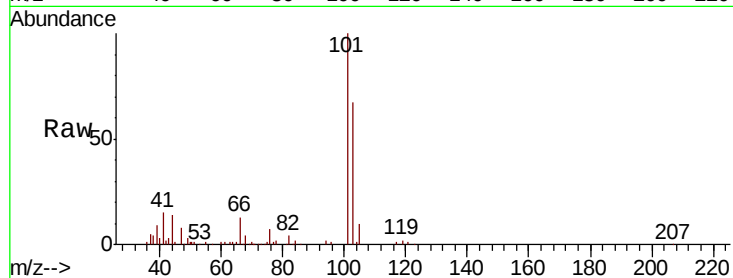
Trichlorofluoromethane
Concen: 54.482 ug/l m
RT: 1.48 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 225875
Ion Ratio Lower Upper
101 100
103 66.7 49.3 73.9

Manual Integrations
APPROVED

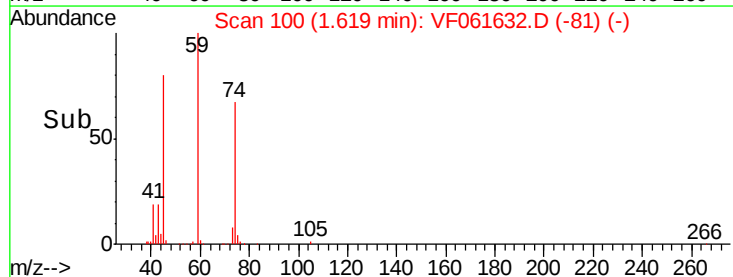
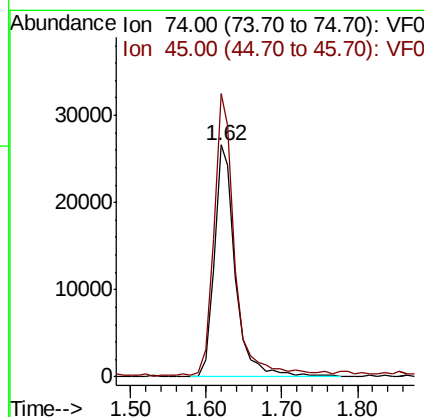
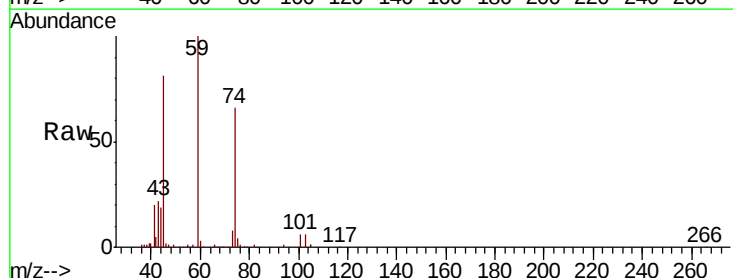
MMDadoda
2/18/2019 12:11:33 AM

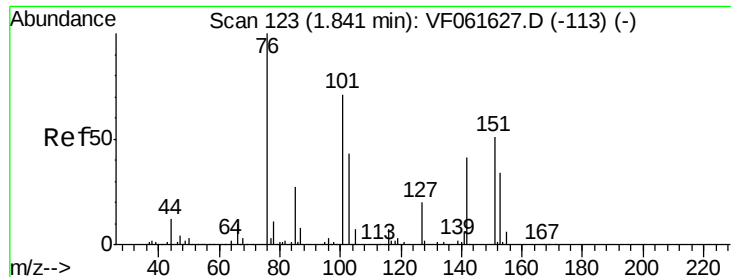


#8

Diethyl Ether
Concen: 49.856 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 74 Resp: 52089
Ion Ratio Lower Upper
74 100
45 122.0 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.366 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

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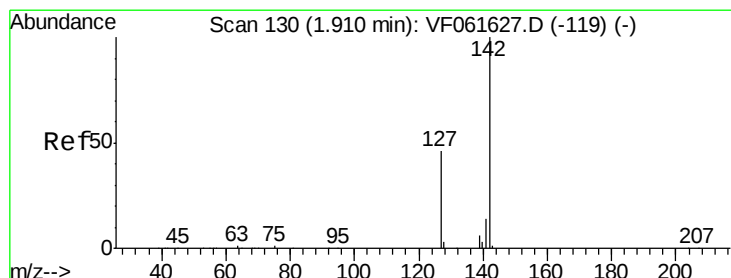
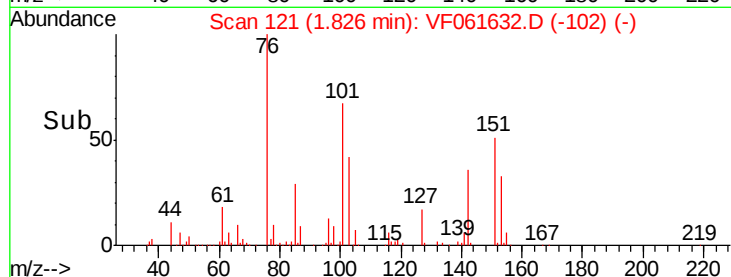
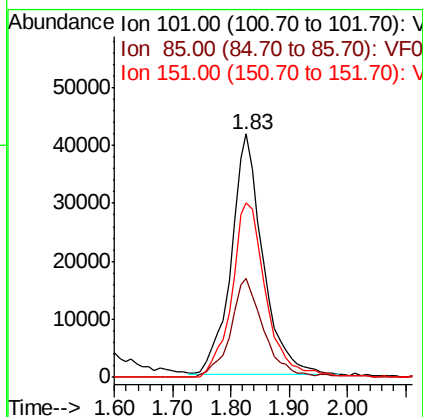
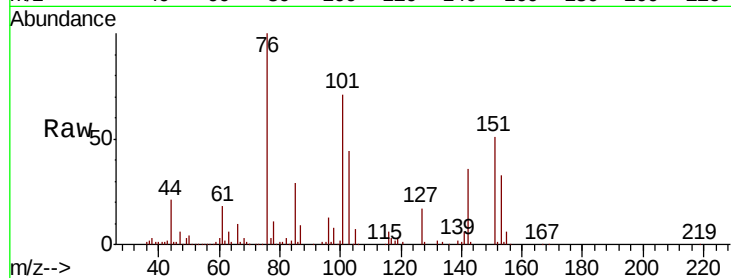
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	156617
Ion Ratio	Lower	Upper	
101	100		
85	40.5	29.8	44.6
151	71.9	56.3	84.5

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#10

Methyl Iodide

Concen: 53.674 ug/l m

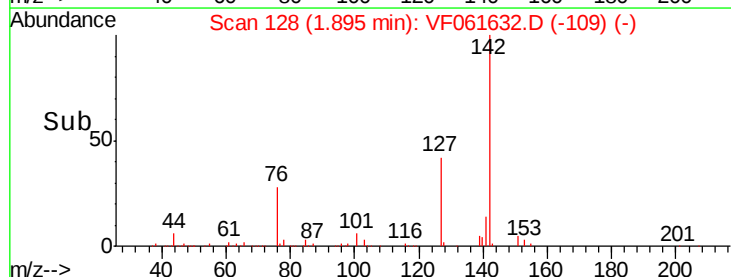
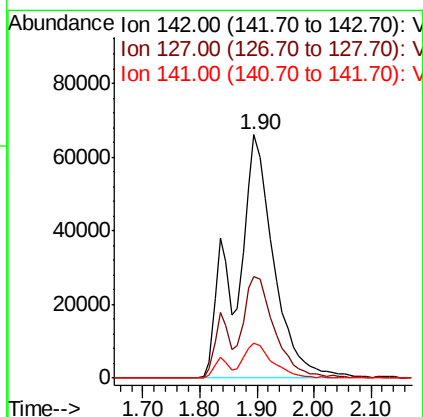
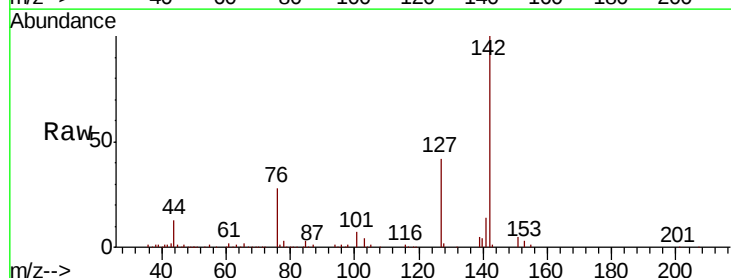
RT: 1.90 min Scan# 128

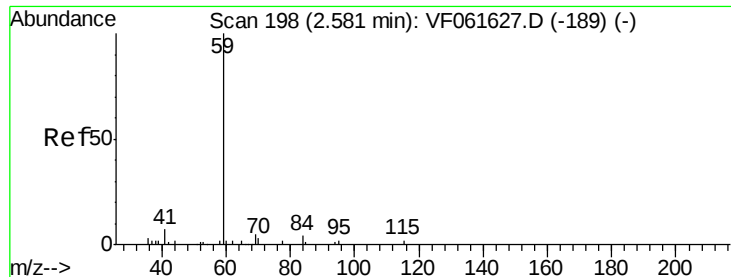
Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion:	142	Resp:	306651
Ion Ratio	Lower	Upper	
142	100		
127	42.0	36.6	55.0
141	14.3	11.0	16.6





#11

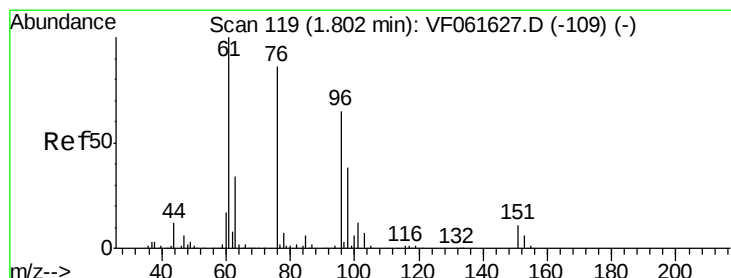
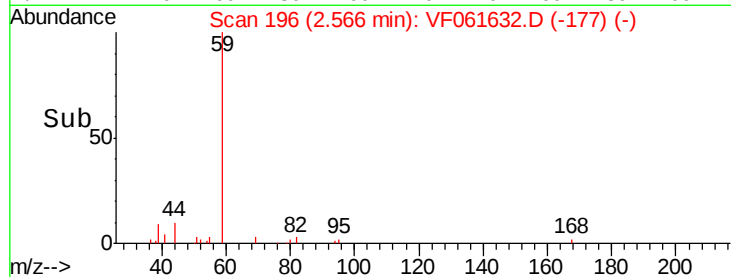
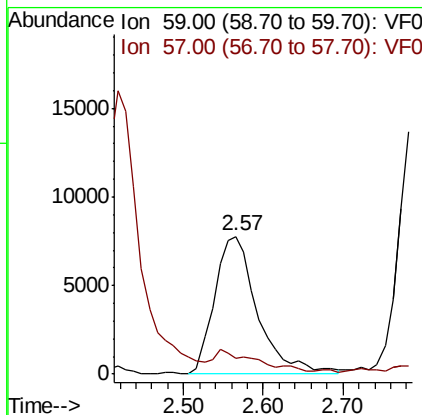
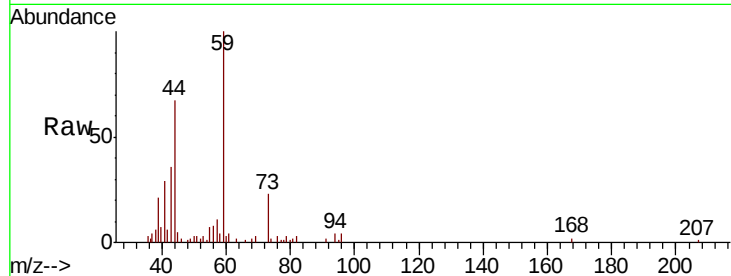
Tert butyl alcohol
Concen: 225.447 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 29361
Ion Ratio Lower Upper
59 100
57 11.1 12.5 18.7#

Manual Integrations
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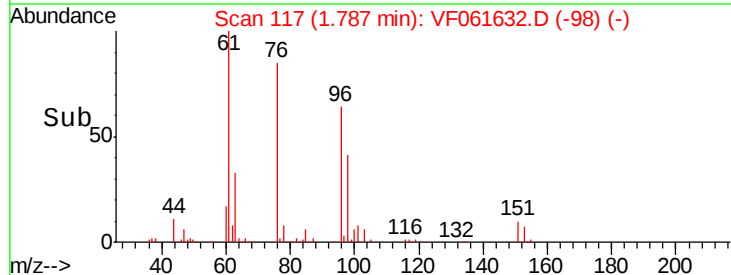
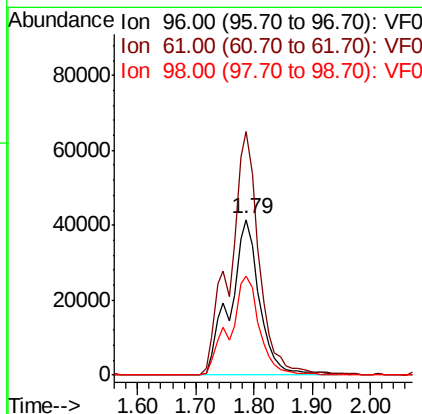
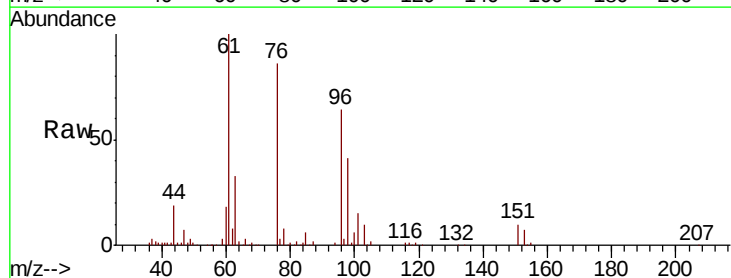
MMDadoda
2/18/2019 12:11:33 AM

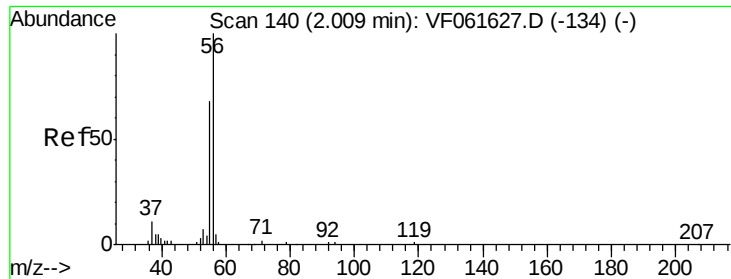


#12

1,1-Dichloroethene
Concen: 55.729 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 96 Resp: 146544
Ion Ratio Lower Upper
96 100
61 156.2 122.6 184.0
98 63.5 47.2 70.8





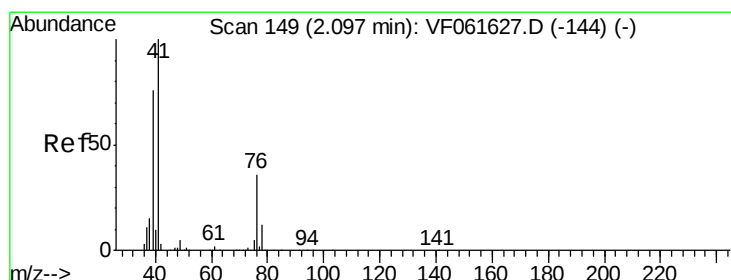
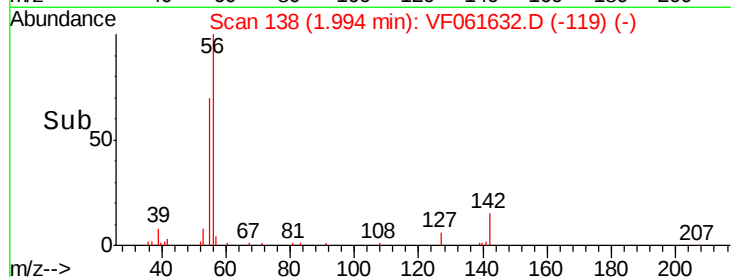
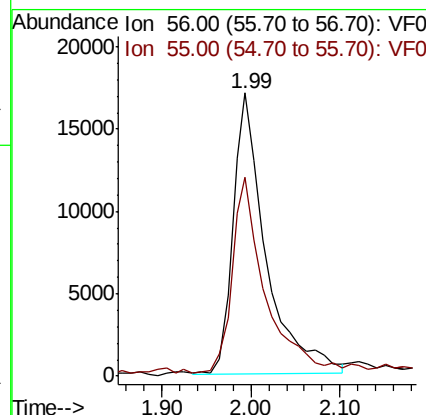
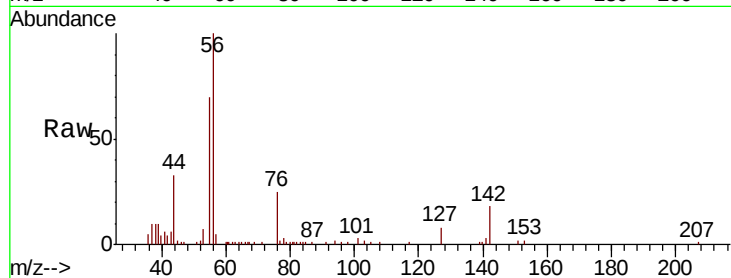
#13
Acrolein
Concen: 268.815 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.0	82.6

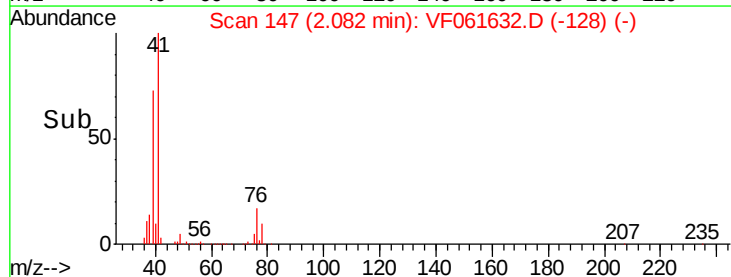
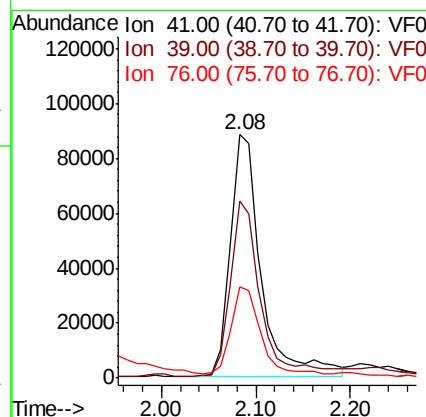
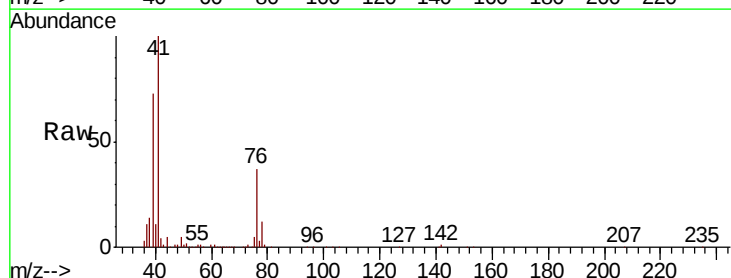
Manual Integrations
APPROVED

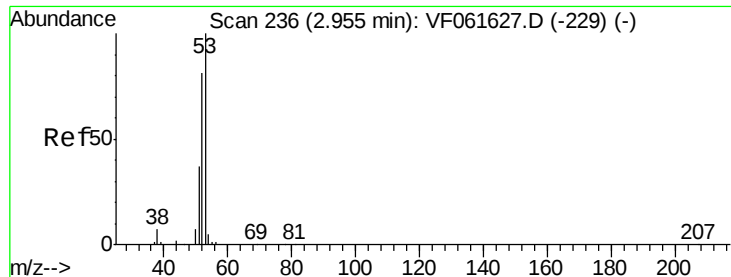
MMDadoda
2/18/2019 12:11:33 AM



#14
Allyl chloride
Concen: 62.560 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.8	61.6	92.4
76	37.5	30.3	45.5





#15

Acrylonitrile

Concen: 230.258 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

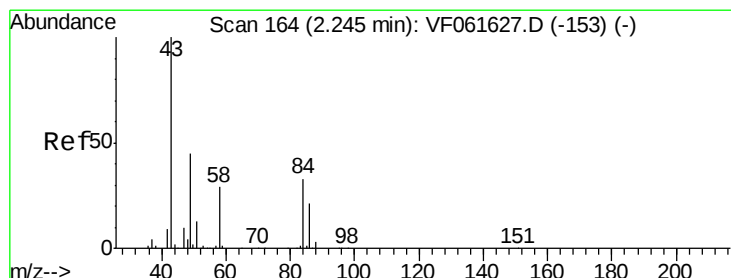
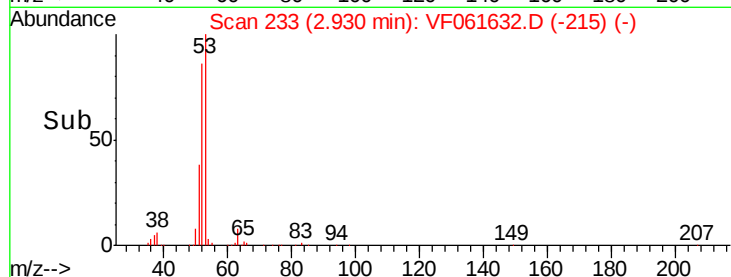
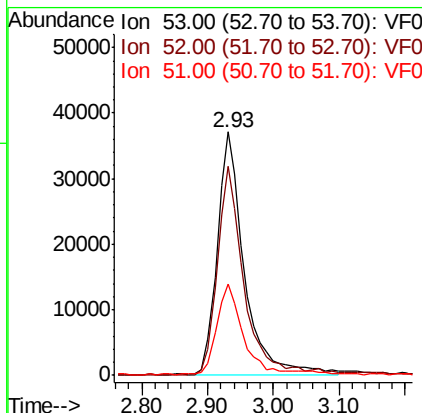
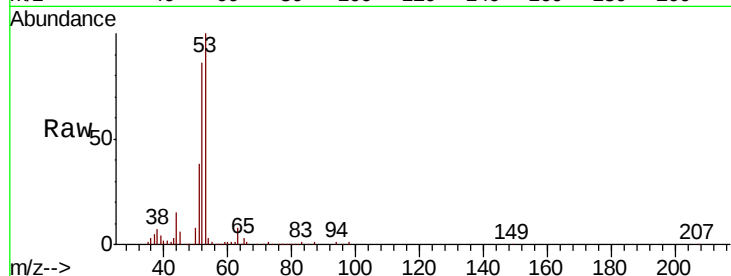
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	106367
Ion	Ratio	Lower	Upper
53	100		
52	85.9	64.6	97.0
51	37.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 284.121 ug/l

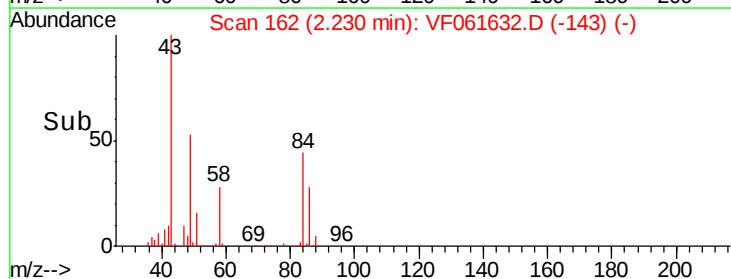
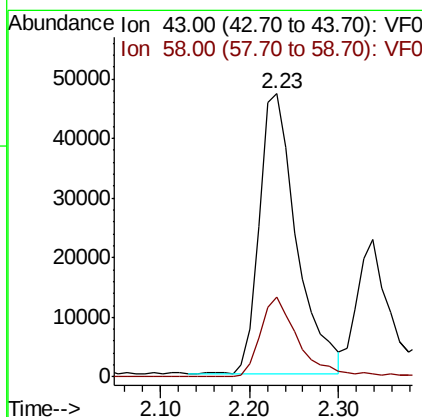
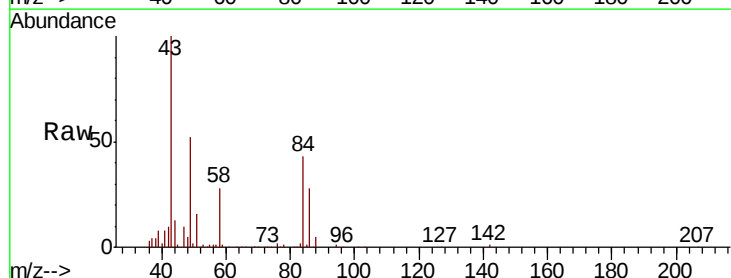
RT: 2.23 min Scan# 162

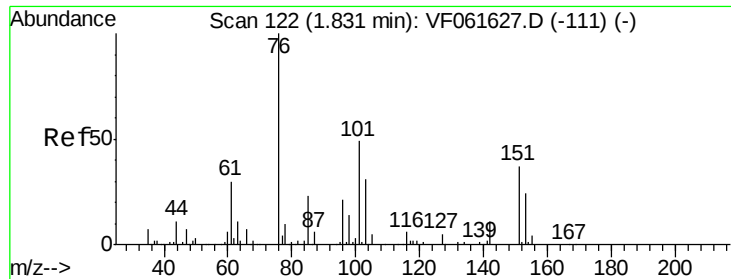
Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion:	43	Resp:	137179
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.9	34.3





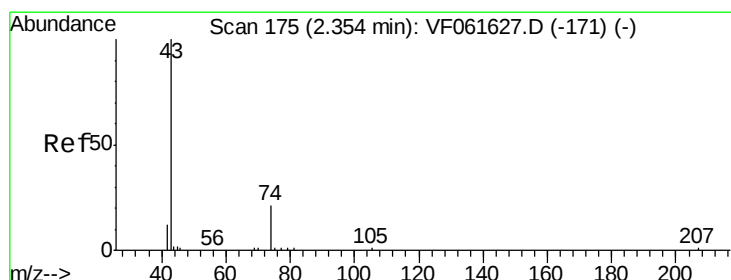
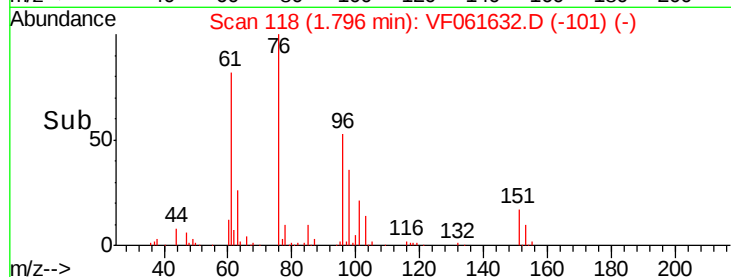
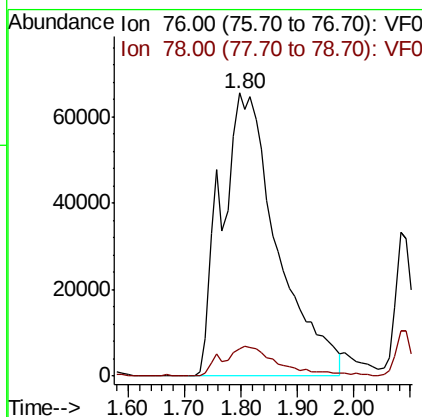
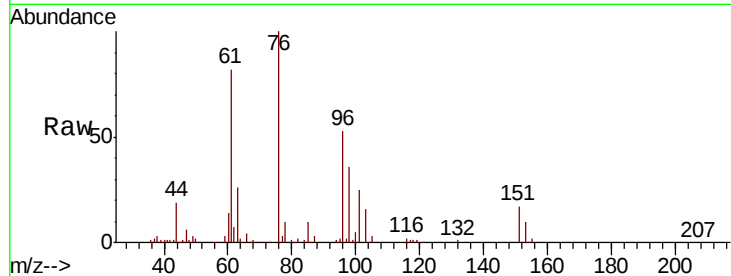
#17
Carbon Disulfide
Concen: 54.901 ug/l m
RT: 1.80 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 453788
Ion Ratio Lower Upper
76 100
78 9.8 7.9 11.9

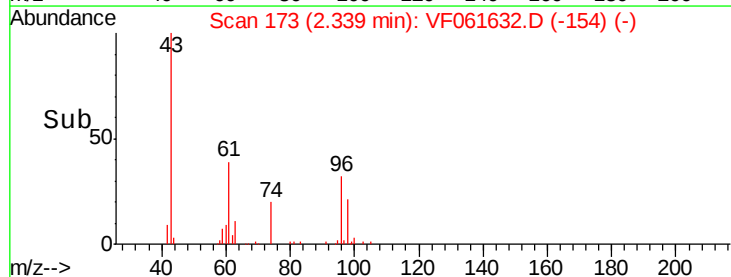
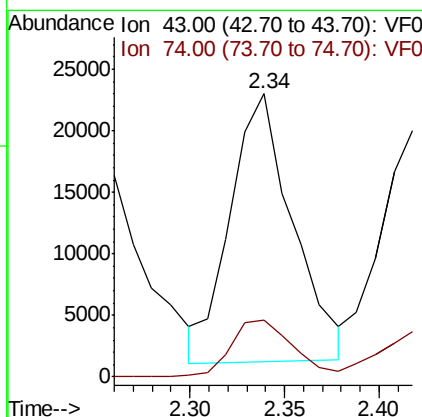
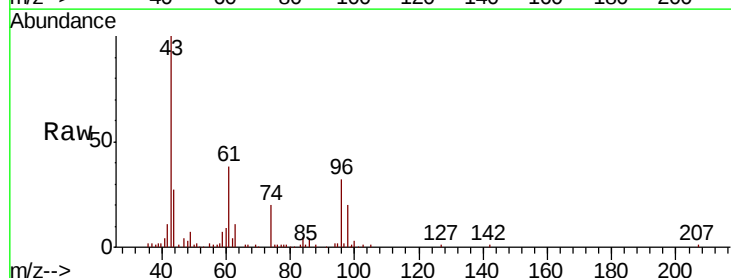
Manual Integrations
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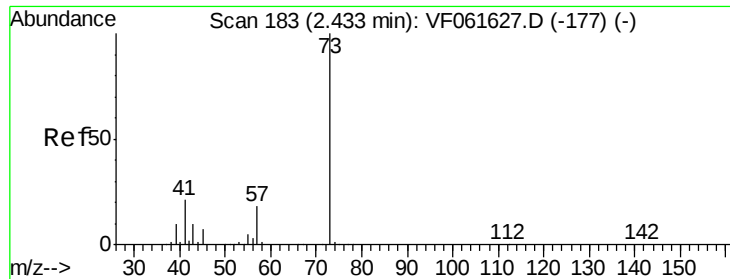
MMDadoda
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#18
Methyl Acetate
Concen: 45.968 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 43 Resp: 49998
Ion Ratio Lower Upper
43 100
74 19.9 14.6 21.8





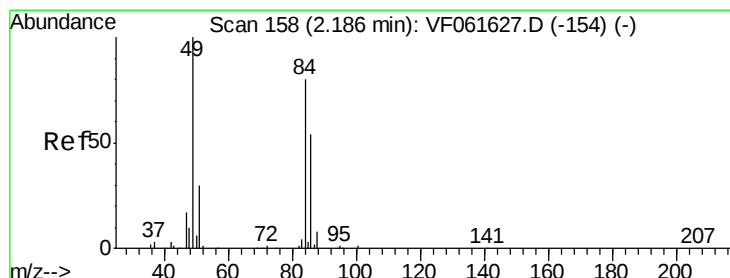
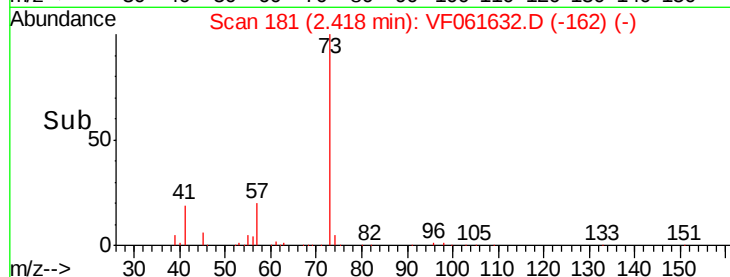
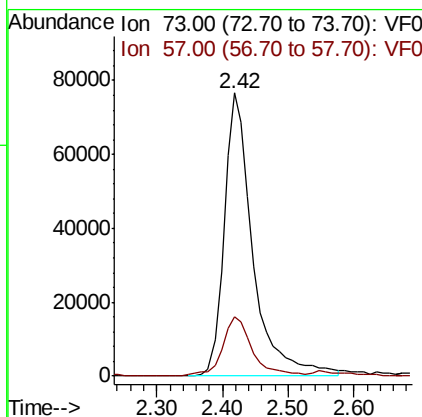
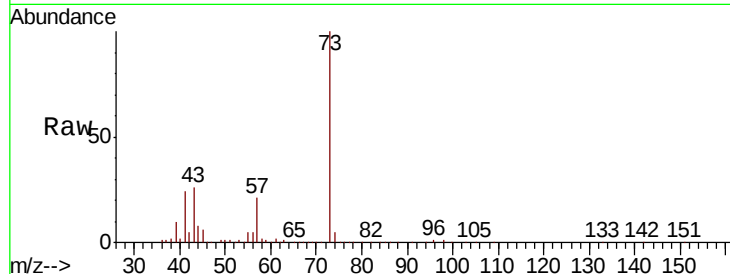
#19
Methyl tert-butyl Ether
Concen: 51.896 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 233225
Ion Ratio Lower Upper
73 100
57 20.9 15.8 23.8

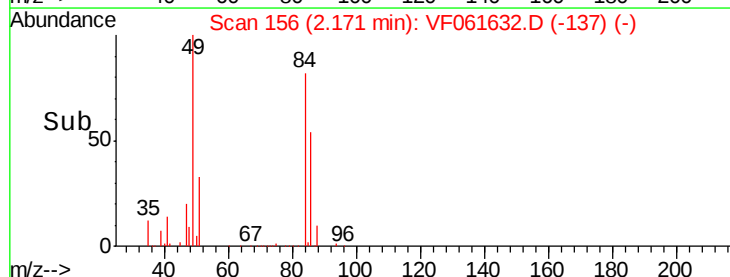
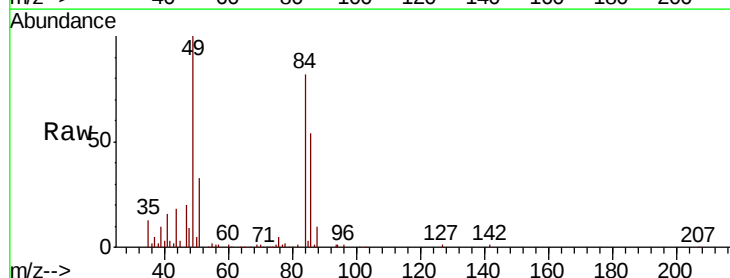
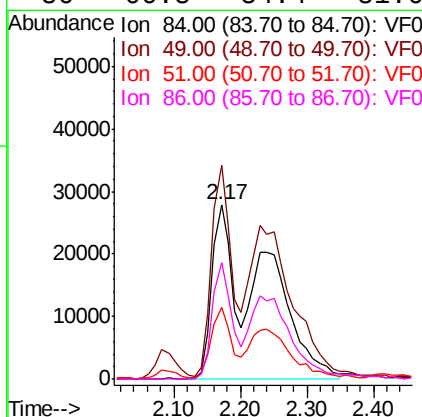
Manual Integrations
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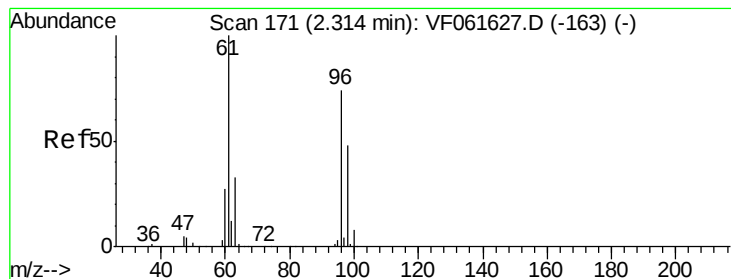
MMDadoda
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#20
Methylene Chloride
Concen: 56.026 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 84 Resp: 144163
Ion Ratio Lower Upper
84 100
49 122.7 101.8 152.8
51 41.1 31.1 46.7
86 66.8 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 53.180 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

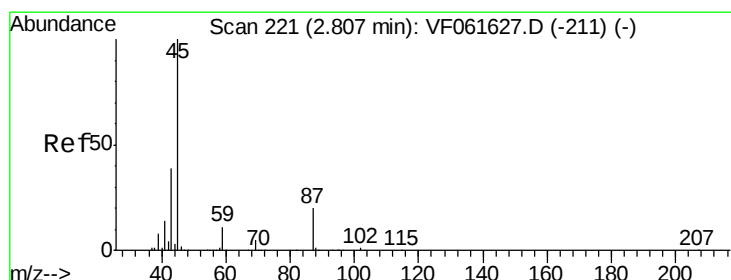
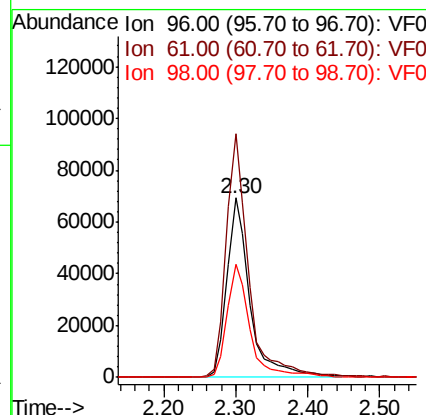
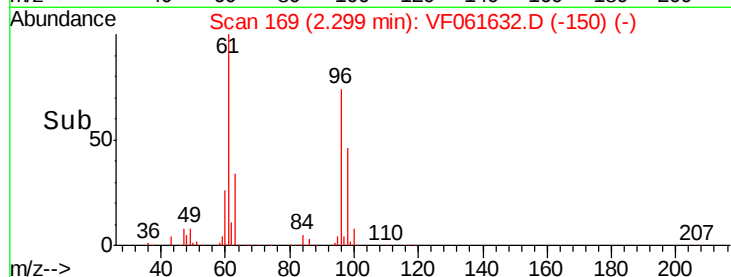
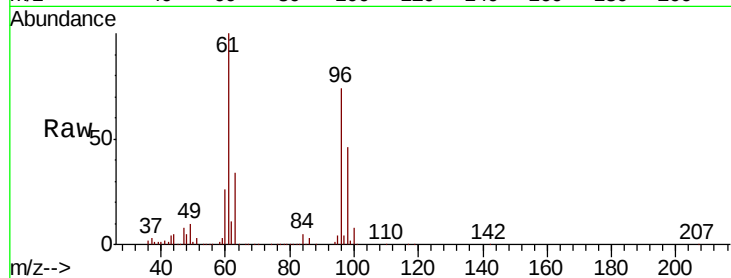
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	152017
Ion	Ratio	Lower	Upper
96	100		
61	135.8	108.2	162.4
98	62.7	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.858 ug/l

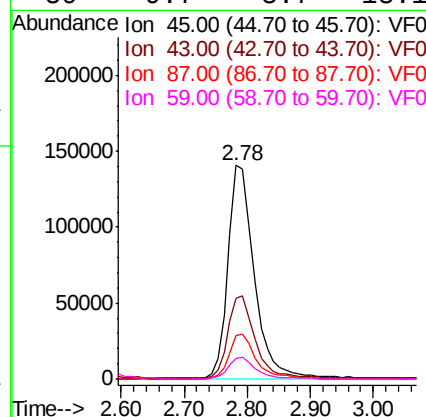
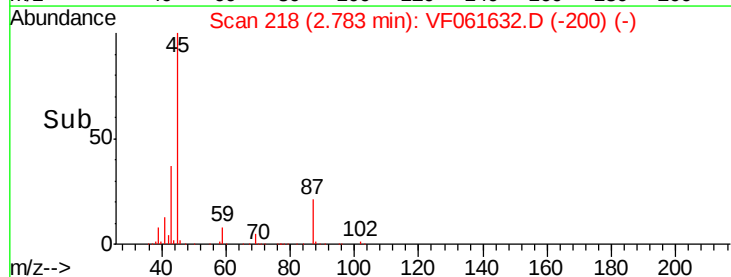
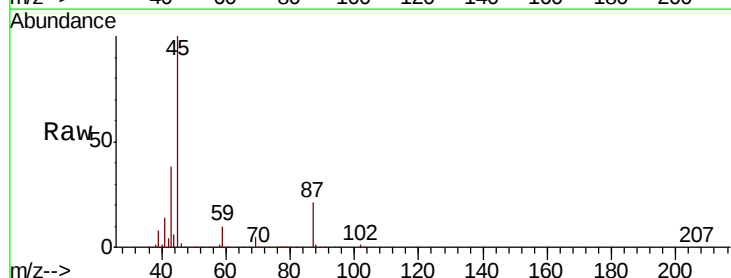
RT: 2.78 min Scan# 218

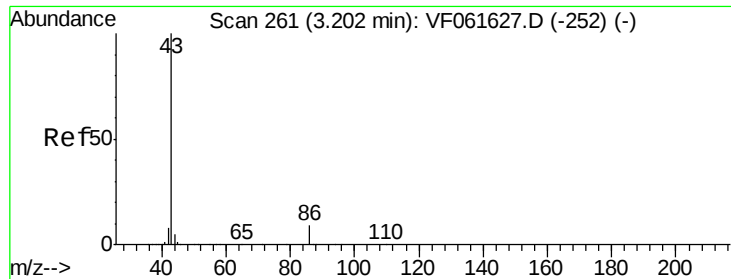
Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion:	45	Resp:	409416
Ion	Ratio	Lower	Upper
45	100		
43	37.8	31.4	47.2
87	20.6	16.3	24.5
59	9.7	8.7	13.1





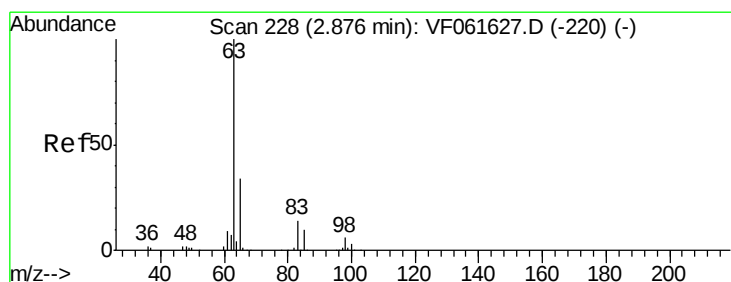
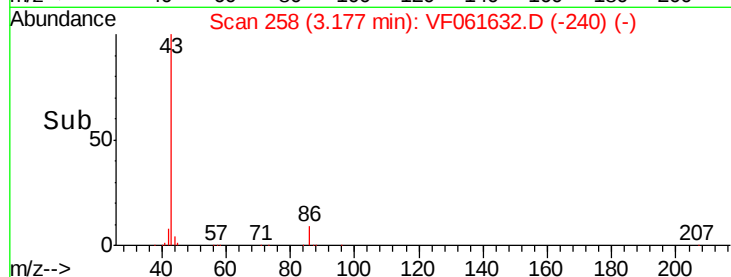
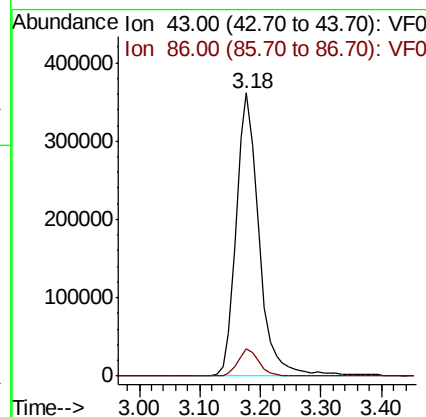
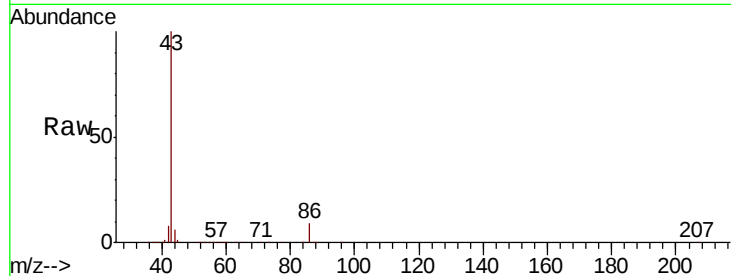
#23
 Vinyl Acetate
 Concen: 248.932 ug/l
 RT: 3.18 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	941755		
86	9.5		7.5	11.3

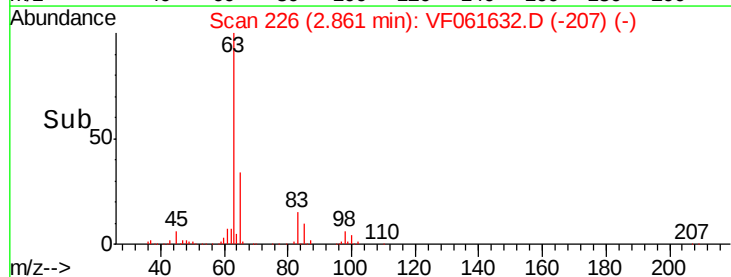
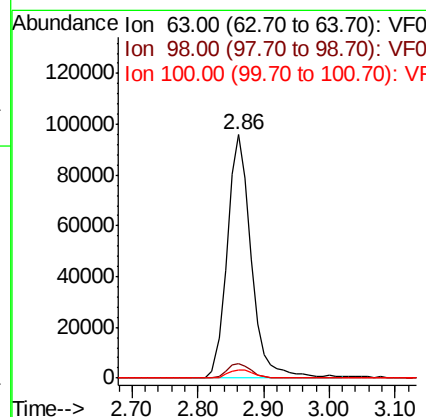
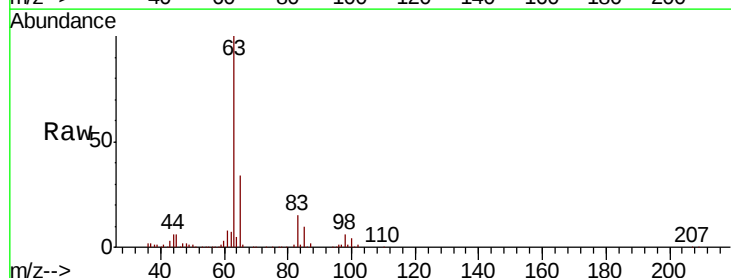
Manual Integrations
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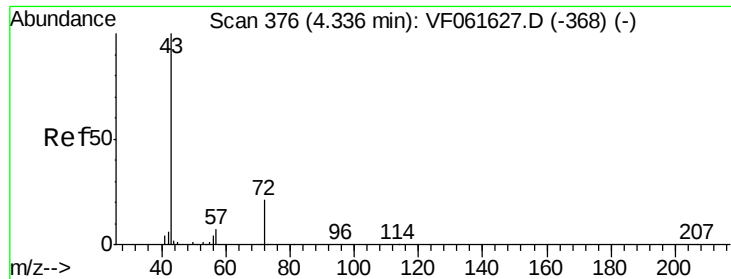
MMDadoda
 2/18/2019 12:11:33 AM



#24
 1,1-Dichloroethane
 Concen: 52.538 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	246263		
98	6.1		2.8	8.3
100	3.5		1.8	5.4





#25

2-Butanone

Concen: 258.152 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 272254

Ion Ratio Lower Upper

43 100

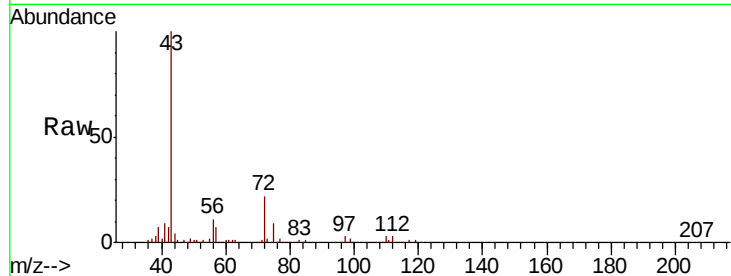
72 21.9 17.1 25.7

Manual Integrations

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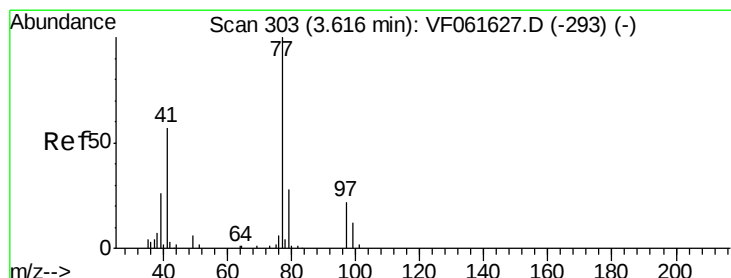
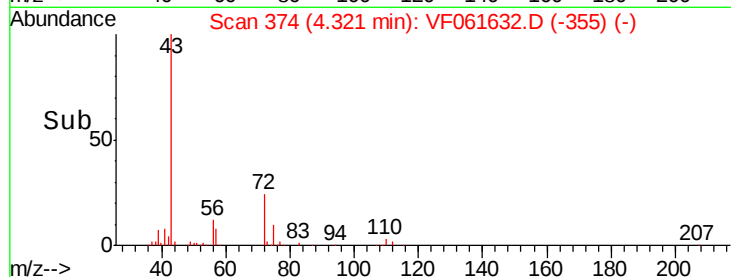
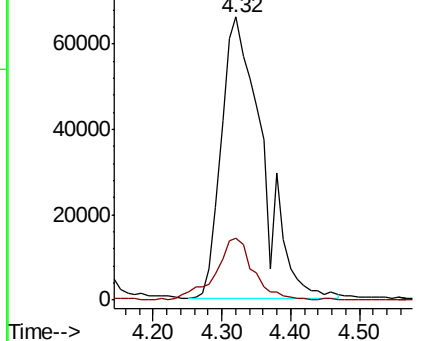
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 57.583 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.02 min

Lab File: VF061632.D

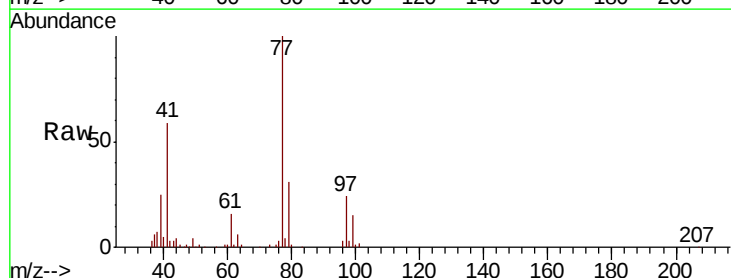
Acq: 14 Feb 2019 10:57

Tgt Ion: 77 Resp: 114330

Ion Ratio Lower Upper

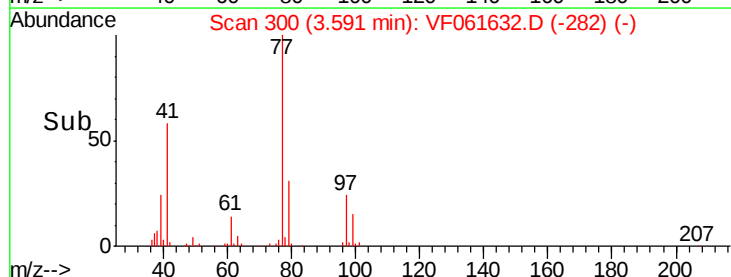
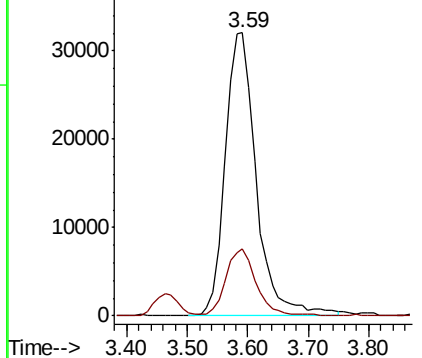
77 100

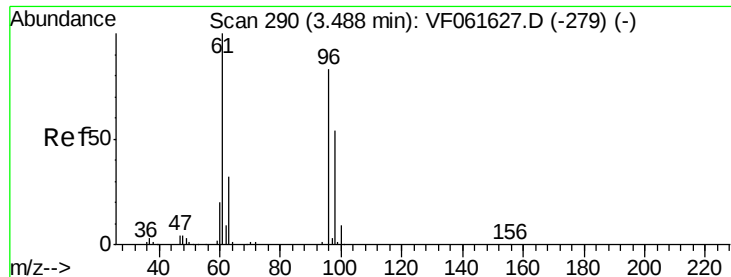
97 23.7 11.7 35.0



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

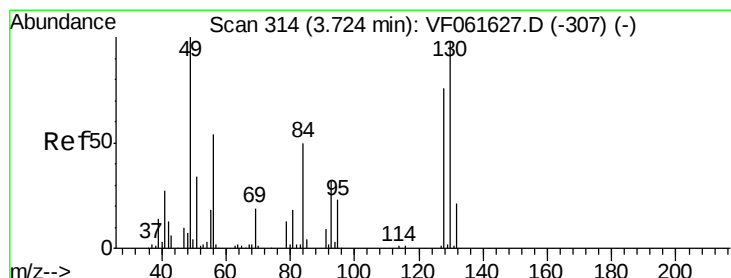
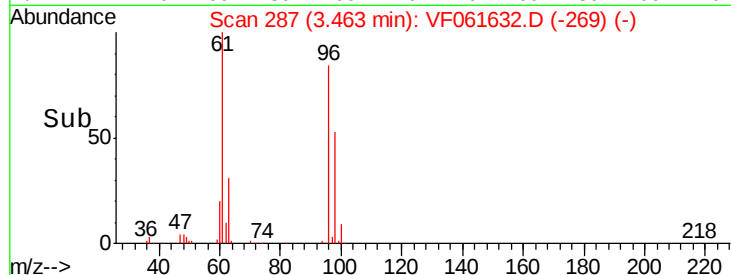
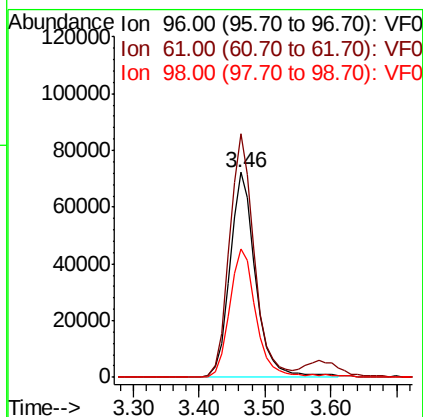
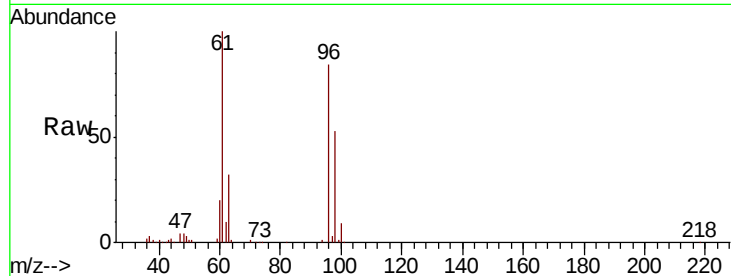
cis-1,2-Dichloroethene
Concen: 52.653 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	197556		
61	118.8	0.0	241.6	
98	62.6	0.0	130.2	

Manual Integrations
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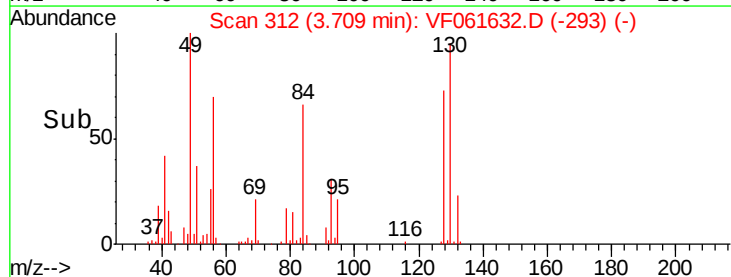
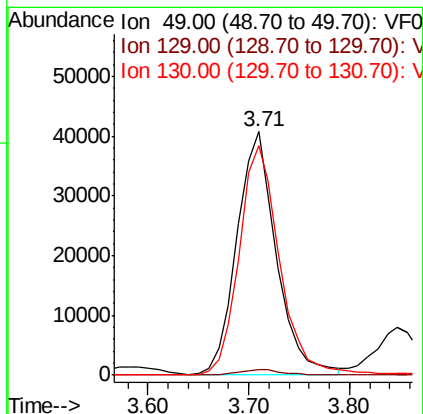
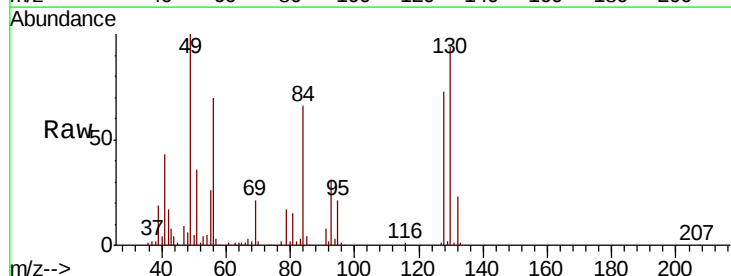
MMDadoda
2/18/2019 12:11:33 AM

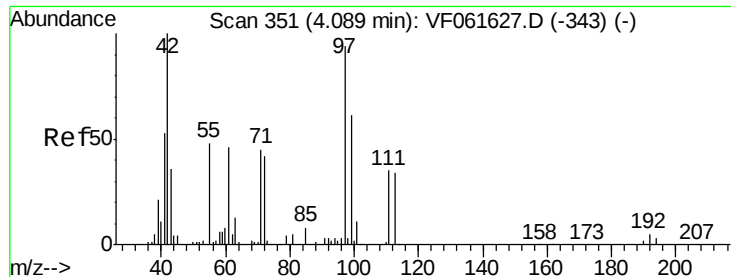


#28

Bromochloromethane
Concen: 48.841 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109846		
129	2.4	0.0	3.4	
130	94.2	77.7	116.5	





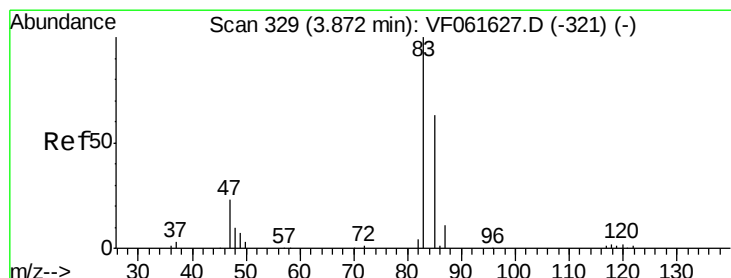
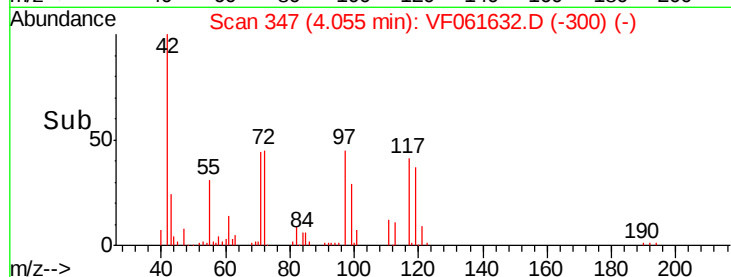
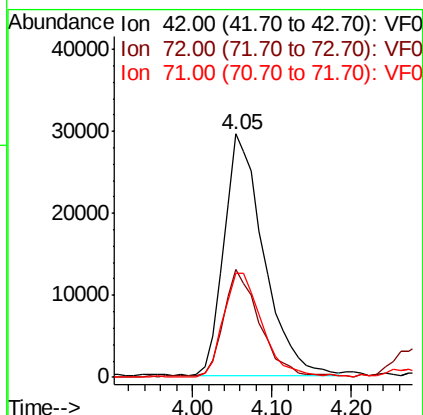
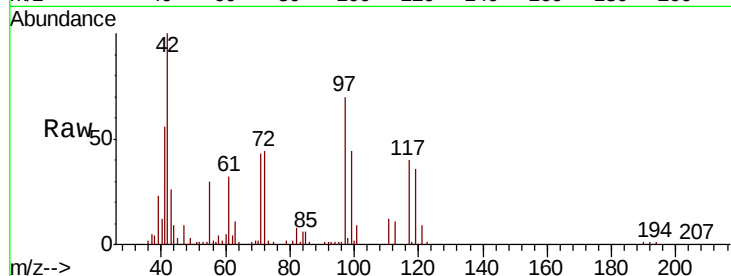
#29
Tetrahydrofuran
Concen: 215.066 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.0	35.2	52.8
71	42.0	32.9	49.3

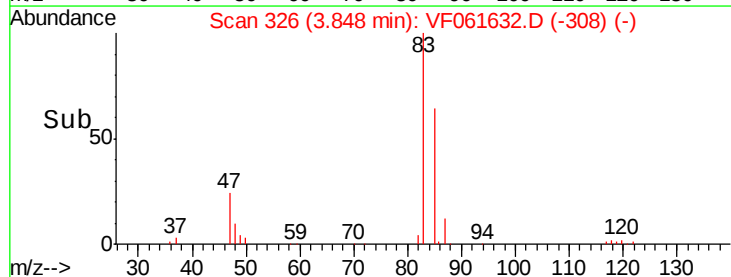
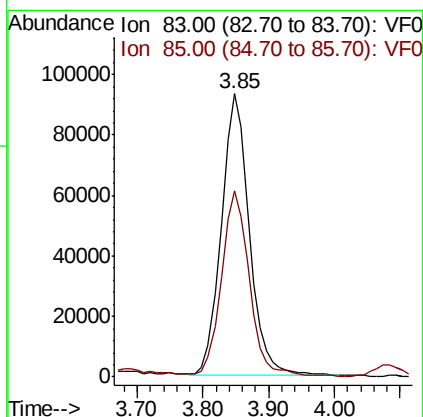
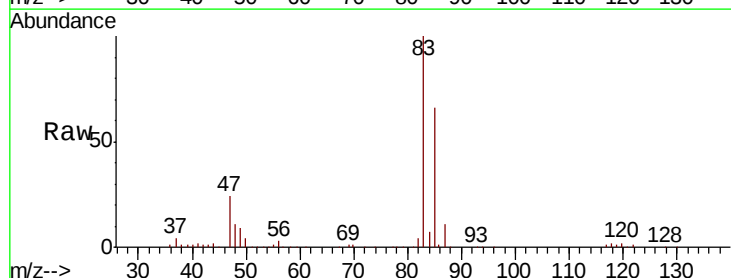
Manual Integrations
APPROVED

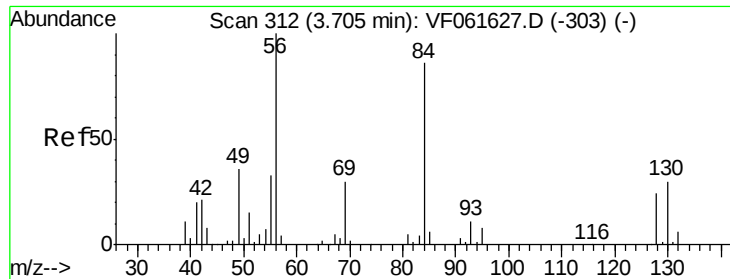
MMDadoda
2/18/2019 12:11:33 AM



#30
Chloroform
Concen: 51.750 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.1	76.7





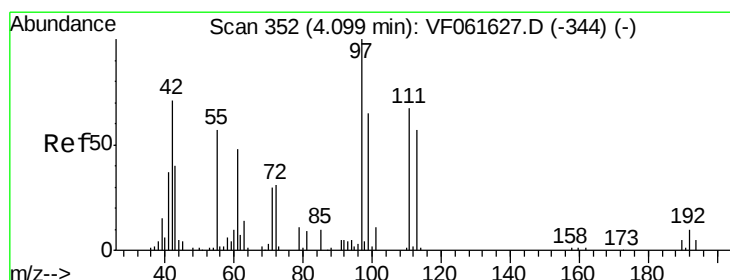
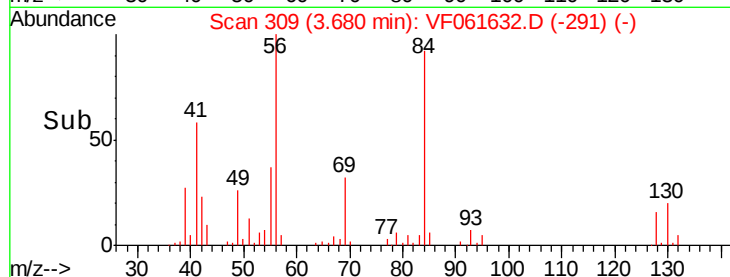
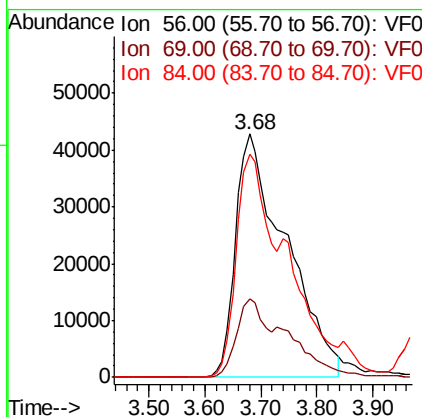
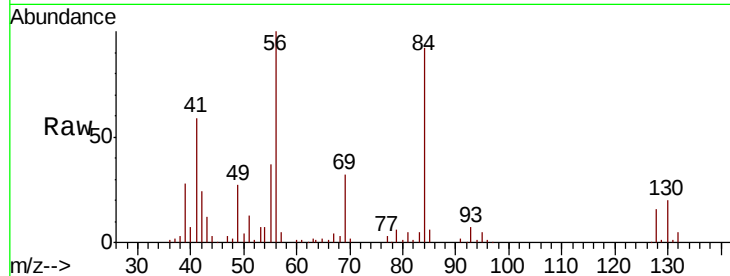
#31
Cyclohexane
Concen: 52.550 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.8	35.8
84	91.9	68.6	103.0

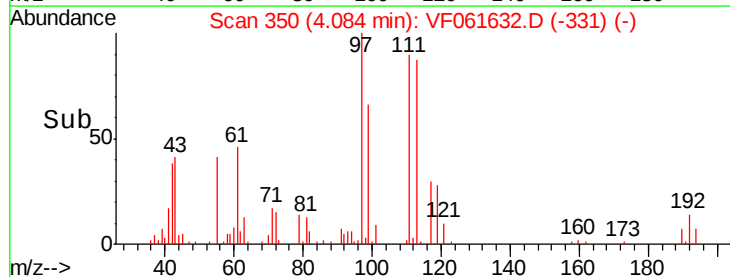
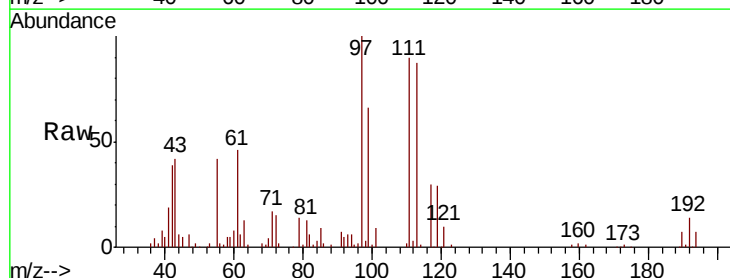
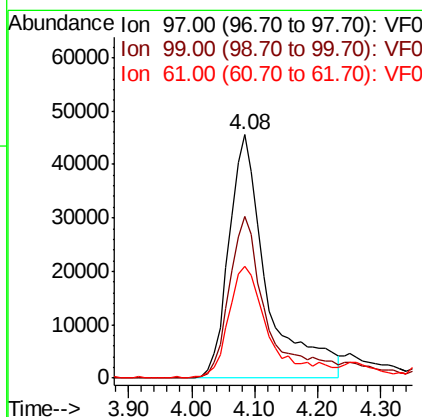
Manual Integrations
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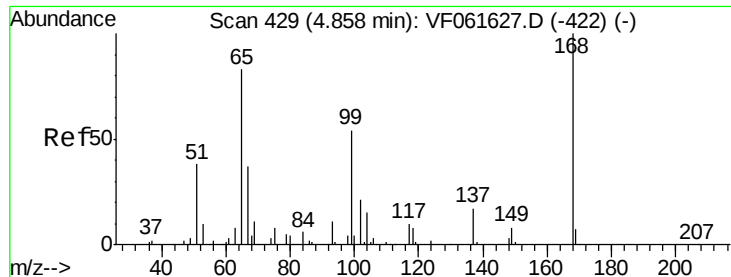
MMDadoda
2/18/2019 12:11:33 AM



#32
1,1,1-Trichloroethane
Concen: 54.564 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	52.2	78.2
61	45.9	39.2	58.8





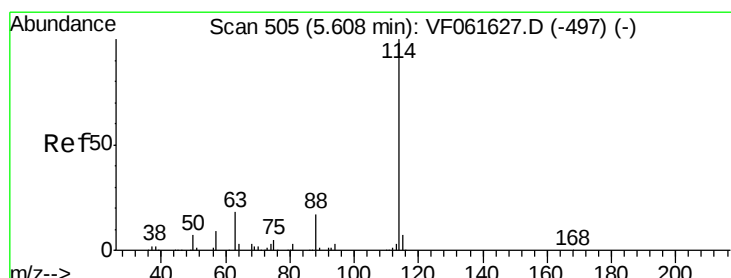
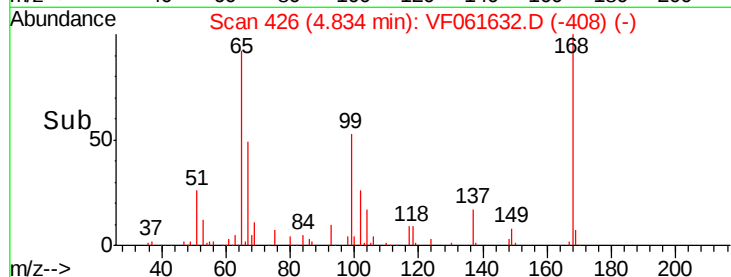
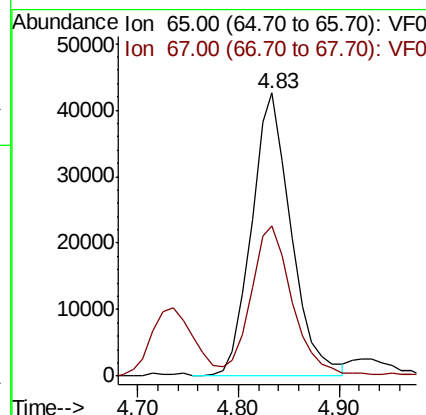
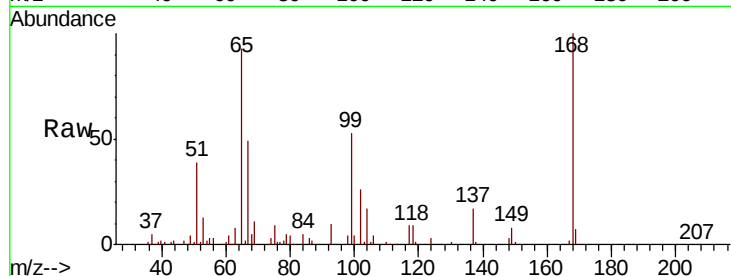
#33
 1,2-Dichloroethane-d4
 Concen: 51.210 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	115238		
67	53.2	0.0	104.0	

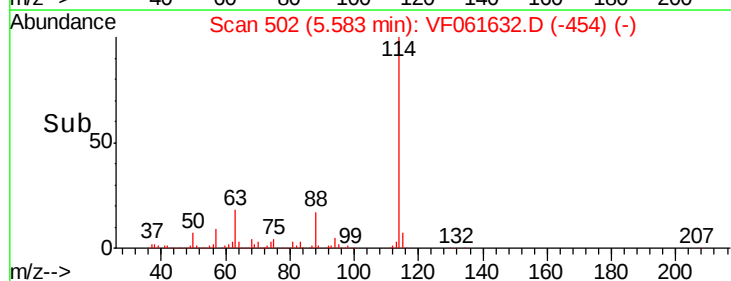
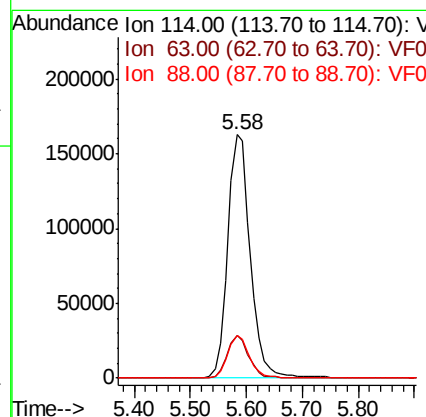
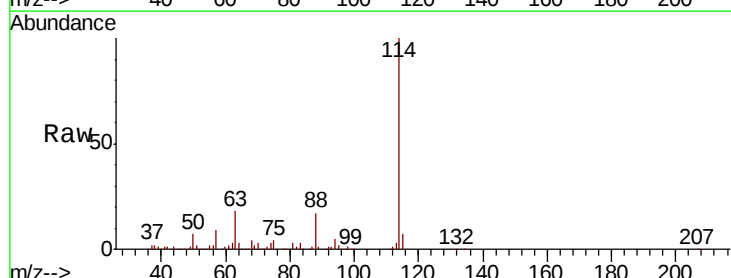
Manual Integrations
 APPROVED

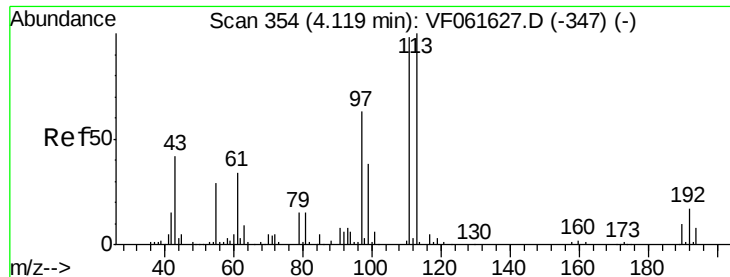
MMDadoda
 2/18/2019 12:11:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455411		
63	17.6	0.0	36.6	
88	17.4	0.0	34.4	





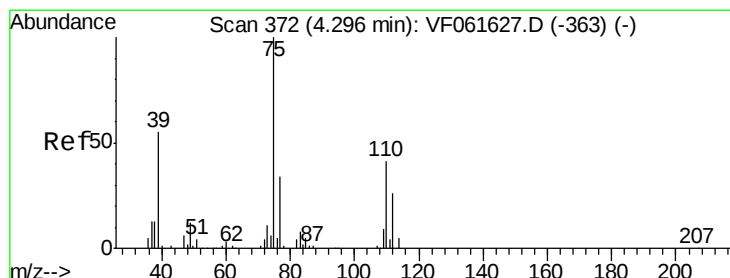
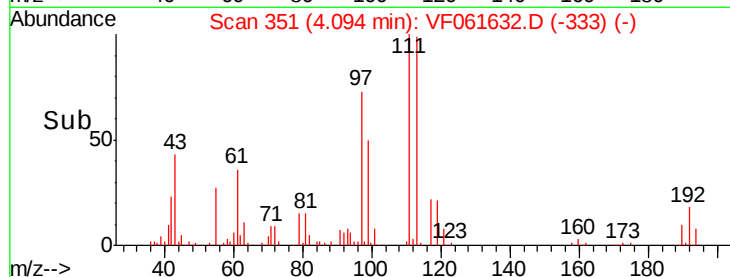
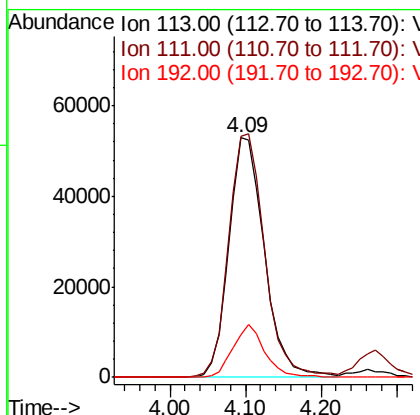
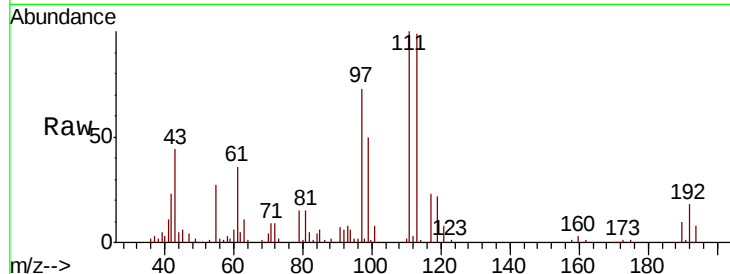
#35
 Dibromofluoromethane
 Concen: 51.089 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	172778		
111	100.8	78.8	118.2	
192	17.8	13.4	20.0	

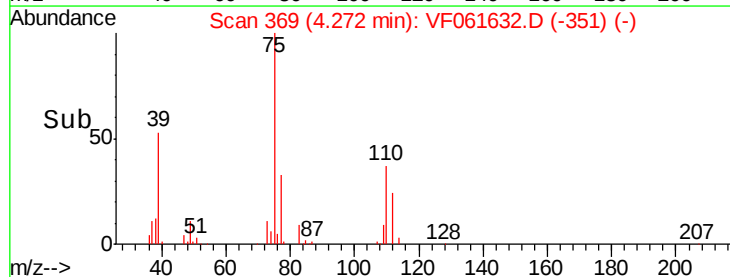
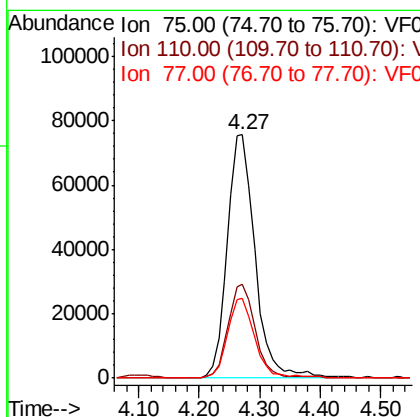
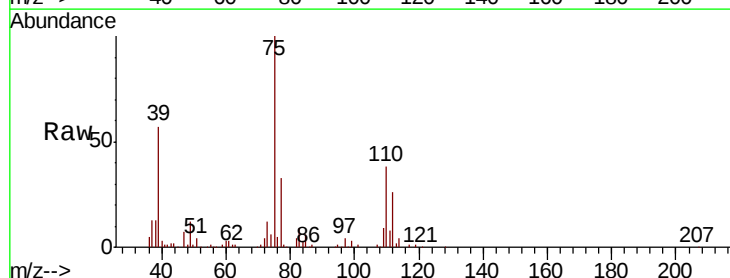
Manual Integrations
 APPROVED

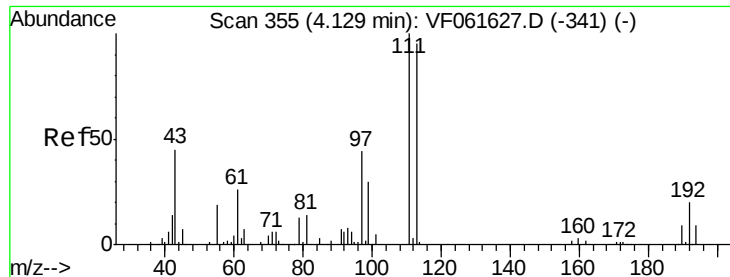
MMDadoda
 2/18/2019 12:11:33 AM



#36
 1,1-Dichloropropene
 Concen: 53.603 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	241826		
110	38.4	20.5	61.6	
77	32.9	27.0	40.4	





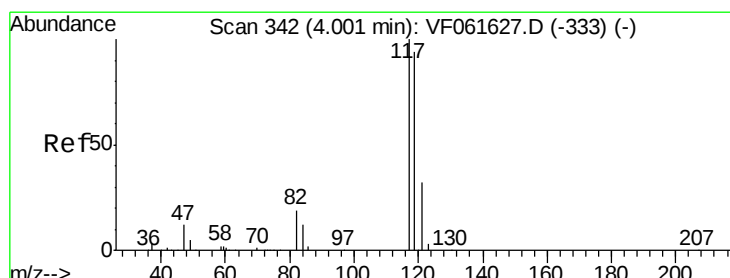
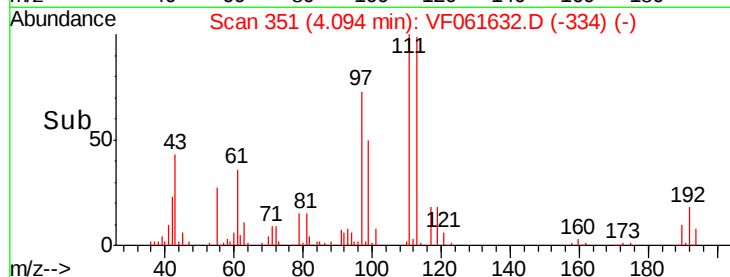
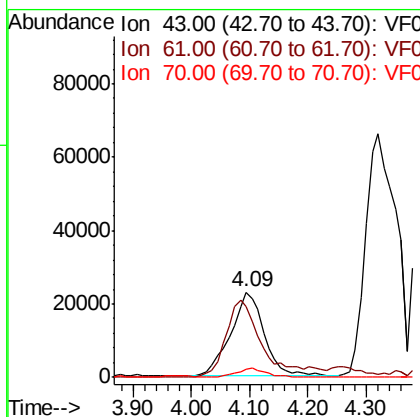
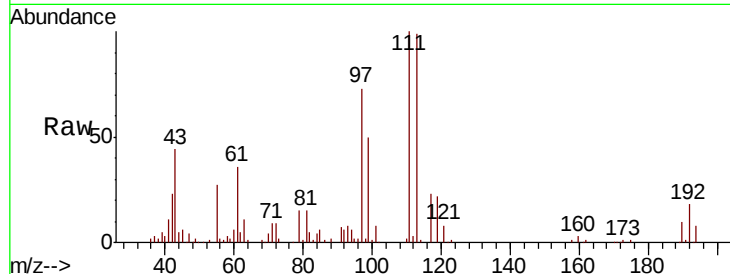
#37
Ethyl Acetate
Concen: 43.391 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	83.0	45.7	68.5#
70	9.4	8.5	12.7

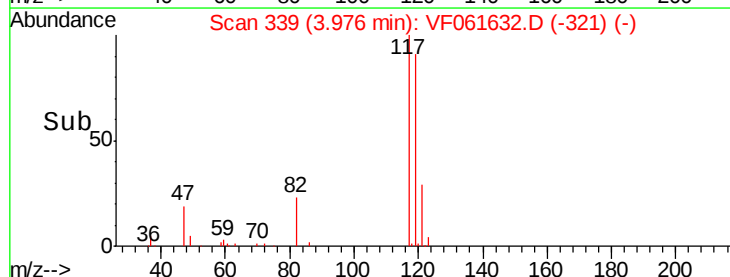
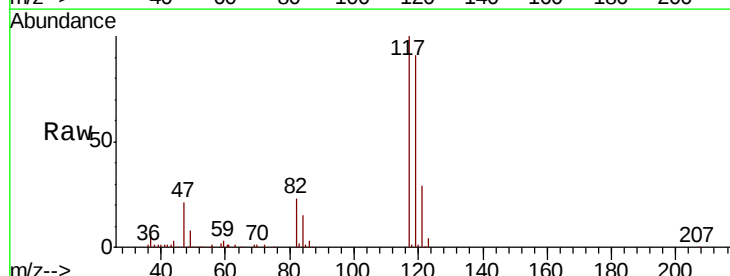
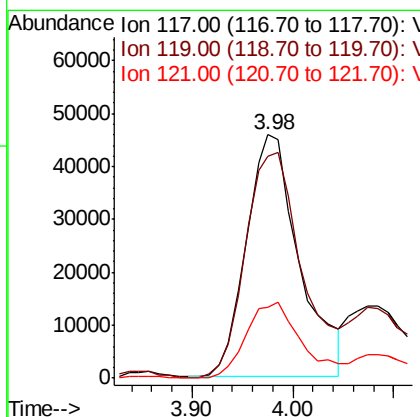
Manual Integrations
APPROVED

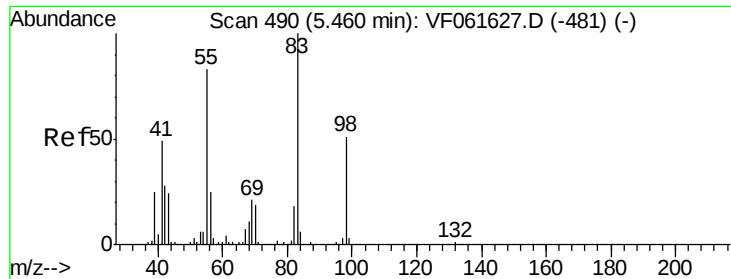
MMDadoda
2/18/2019 12:11:33 AM



#38
Carbon Tetrachloride
Concen: 53.855 ug/l
RT: 3.98 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.9	75.6	113.4
121	29.6	25.2	37.8





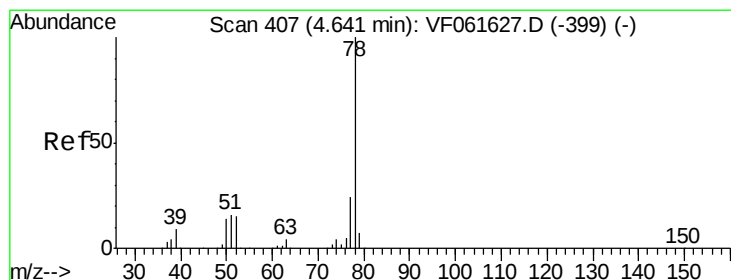
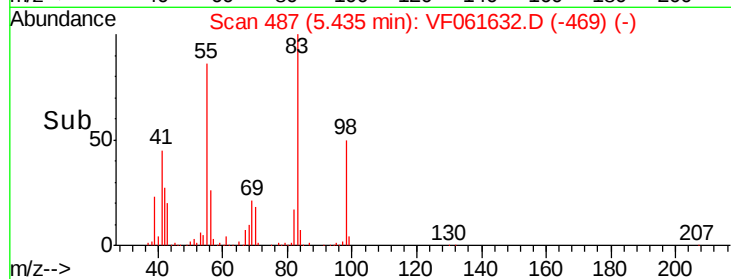
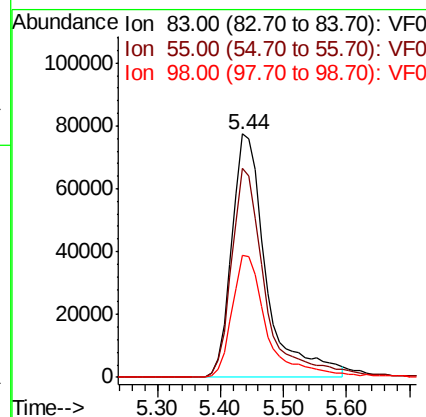
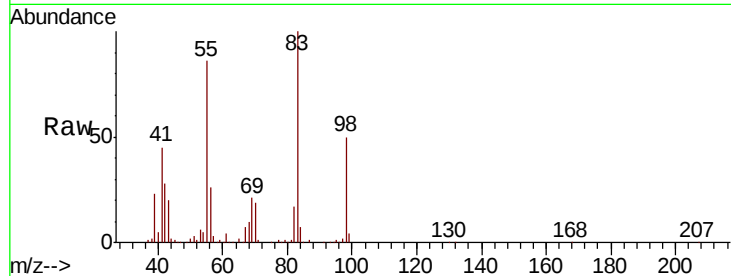
#39
Methylcyclohexane
Concen: 55.146 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.7	66.6	99.8
98	50.1	40.4	60.6

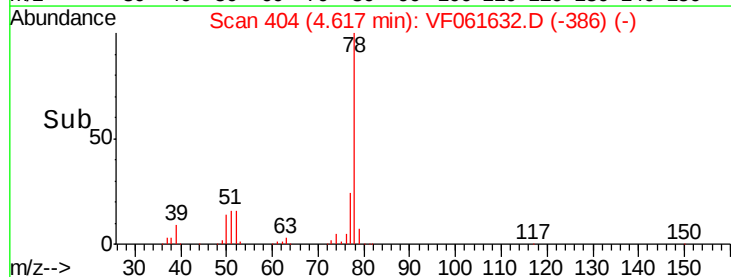
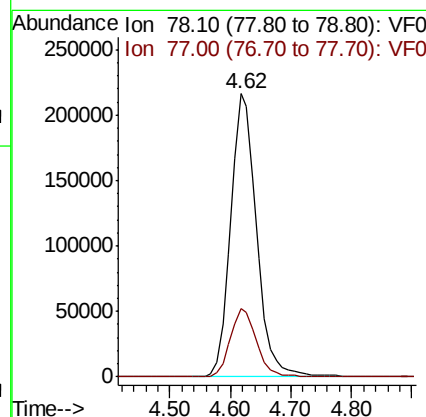
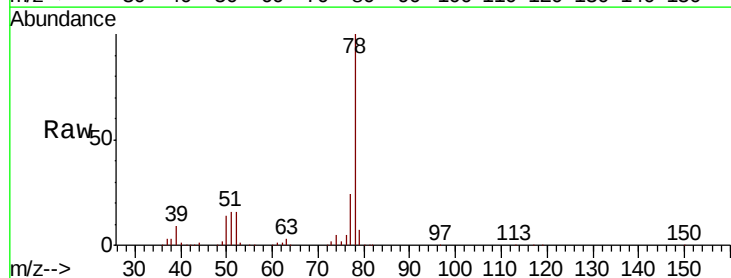
Manual Integrations
APPROVED

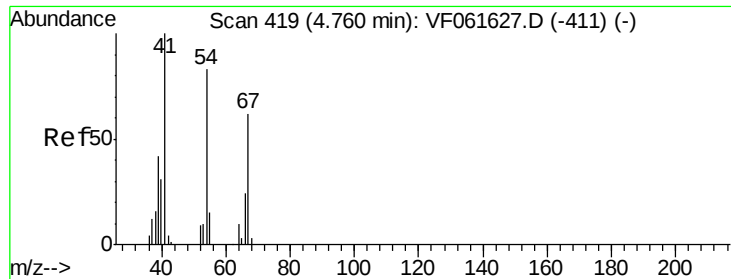
MMDadoda
2/18/2019 12:11:33 AM



#40
Benzene
Concen: 54.487 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





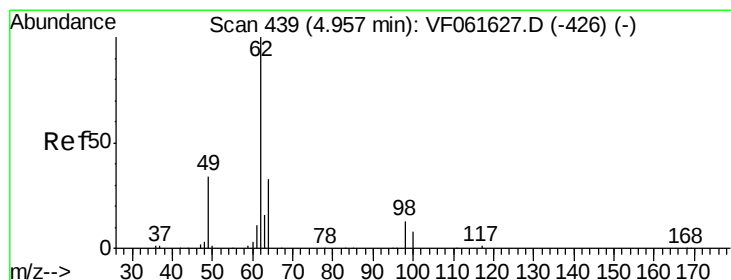
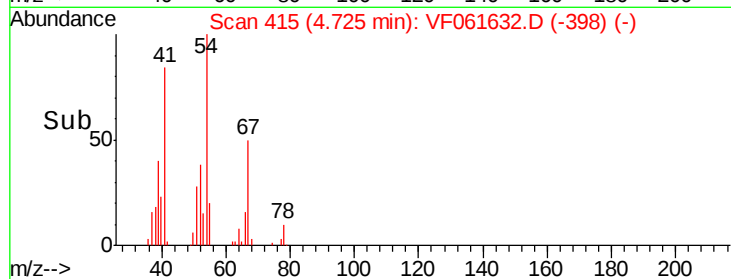
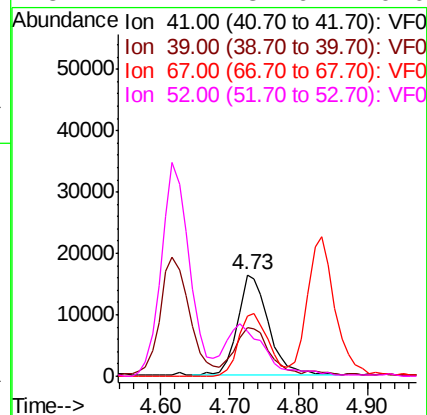
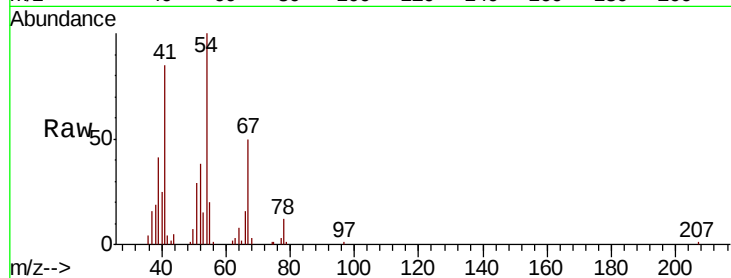
#41
Methacrylonitrile
Concen: 46.758 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.03 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.6	45.3	67.9	
67	58.9	49.3	73.9	
52	44.4	32.6	49.0	

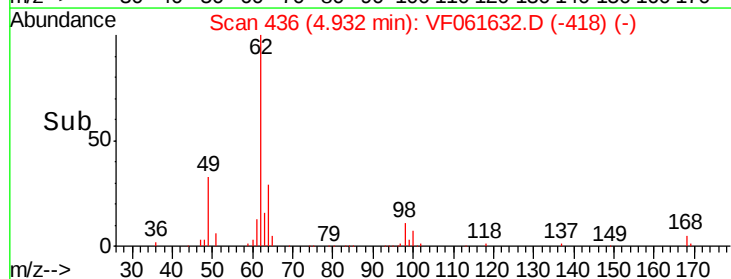
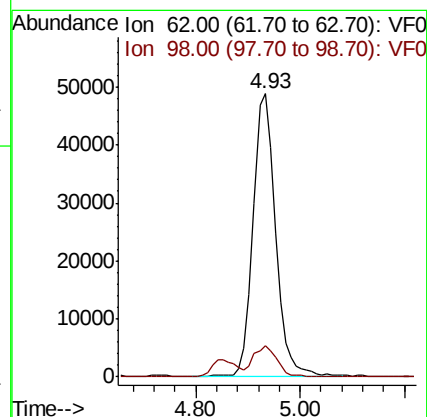
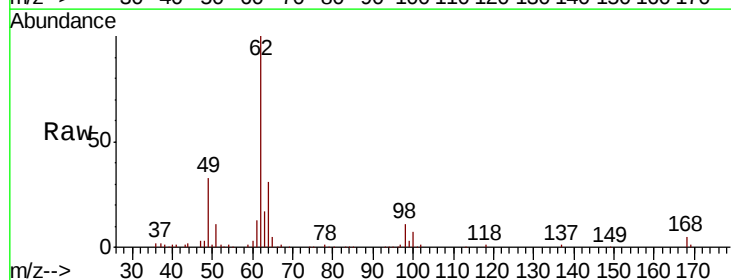
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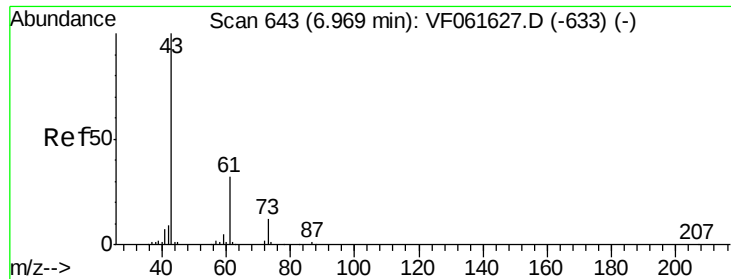
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.738 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	26.0	





#43

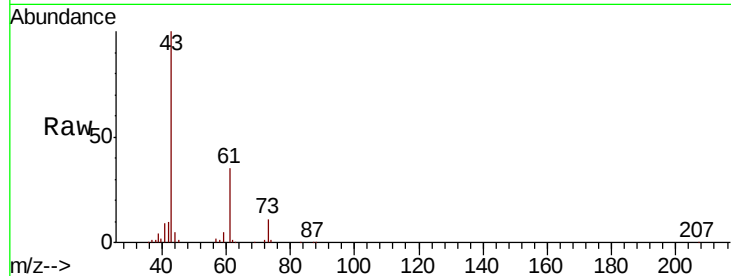
Isopropyl Acetate
 Concen: 43.222 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

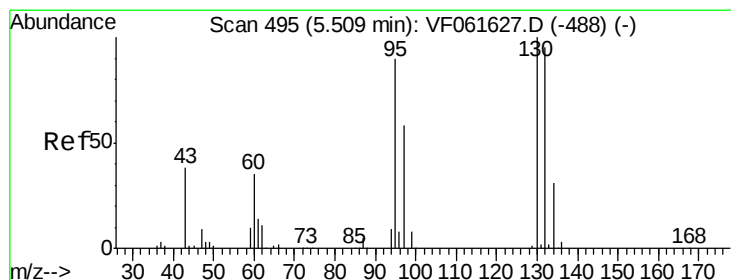
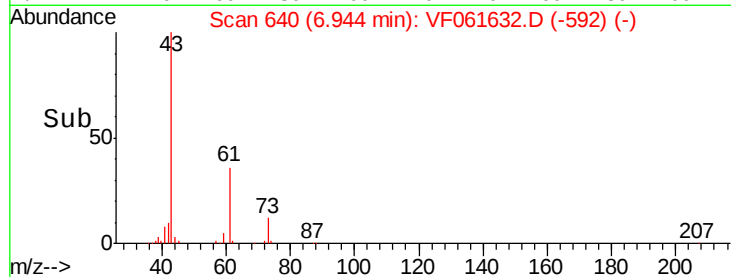
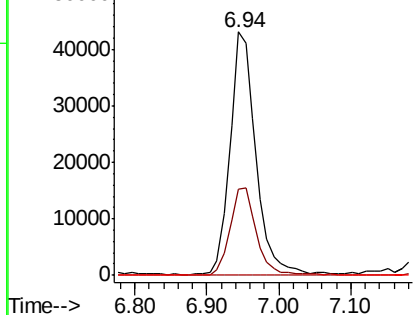
Tgt Ion	Ratio	Lower	Upper
43	100		
61	35.2	25.8	38.6
87	0.4	0.4	0.6

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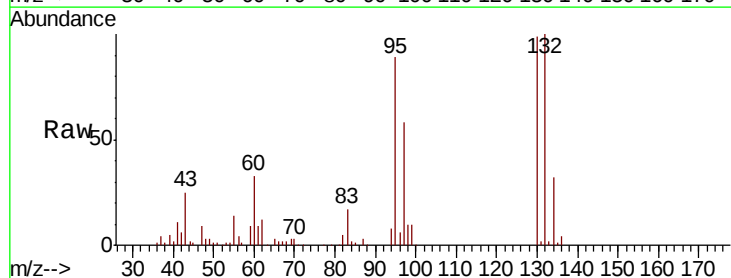
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



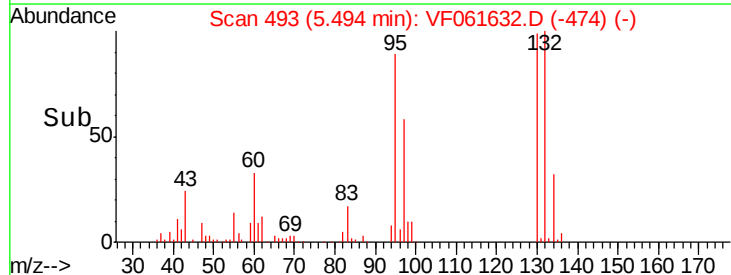
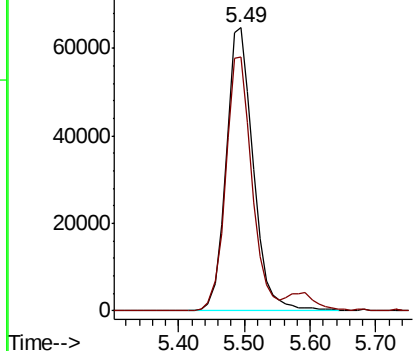
#44

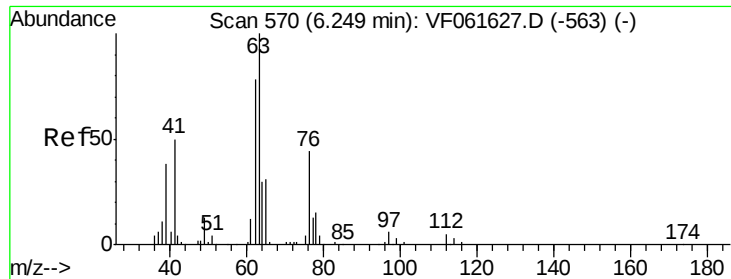
Trichloroethene
 Concen: 48.924 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	179.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.028 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 142698

Ion Ratio Lower Upper

63 100

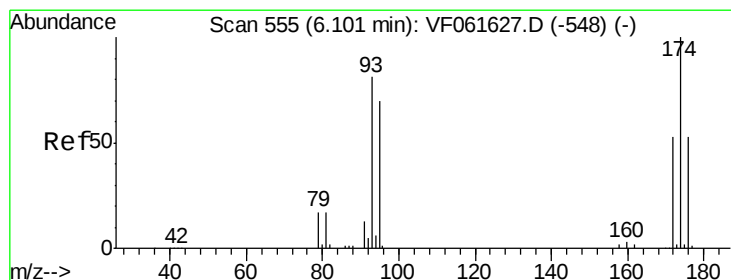
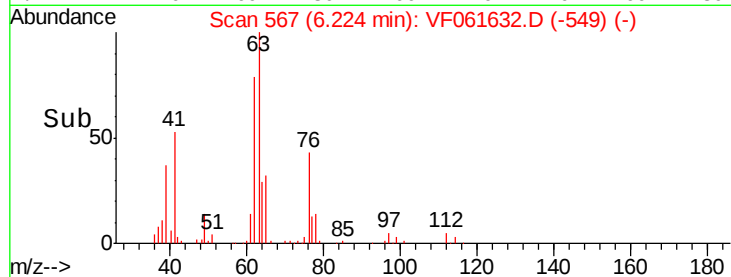
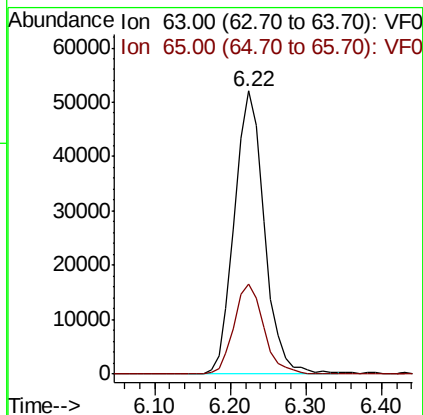
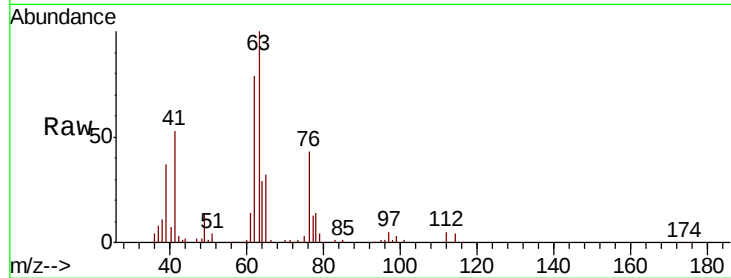
65 31.8 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 52.266 ug/l

RT: 6.08 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

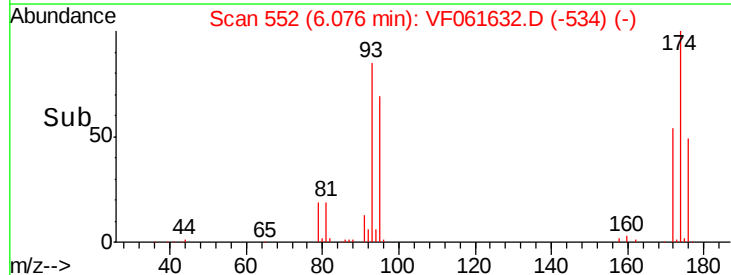
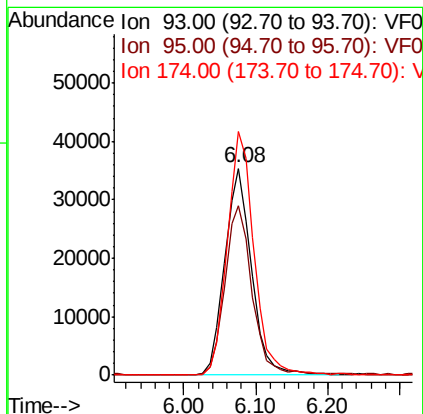
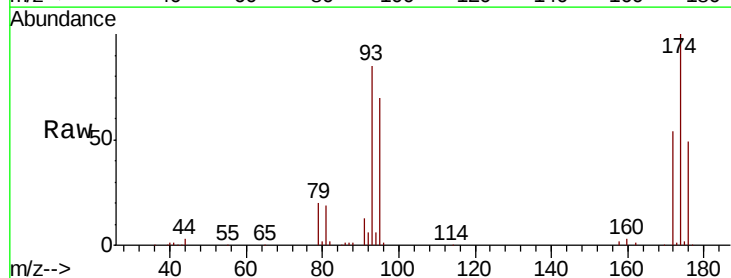
Tgt Ion: 93 Resp: 91790

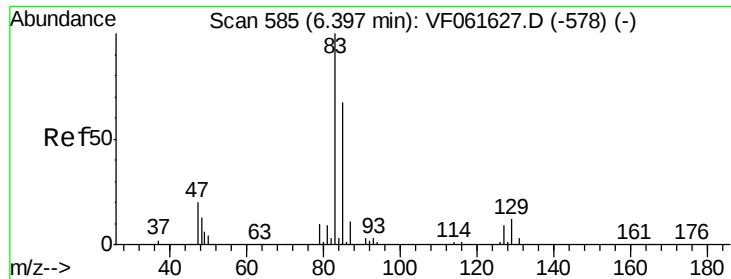
Ion Ratio Lower Upper

93 100

95 81.9 69.0 103.6

174 117.7 99.3 148.9





#47

Bromodichloromethane

Concen: 52.779 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

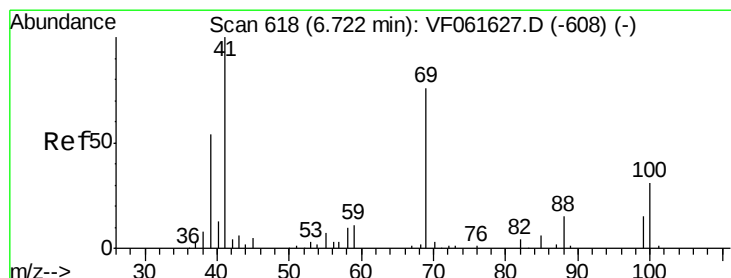
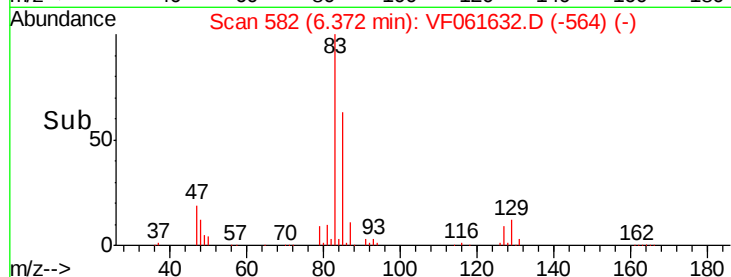
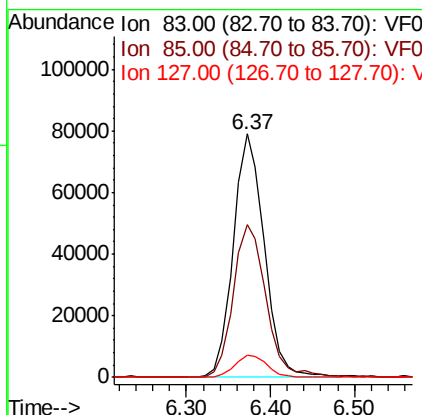
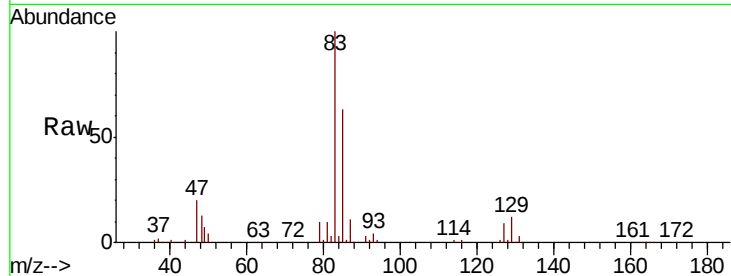
ClientSampled :

VSTDCCC050

Tgt Ion:	83	Resp:	202980
Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.4	80.2
127	9.4	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.385 ug/l

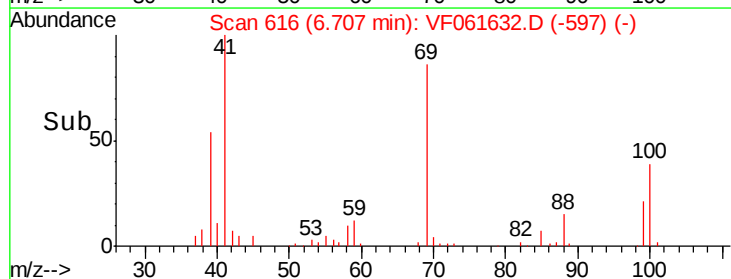
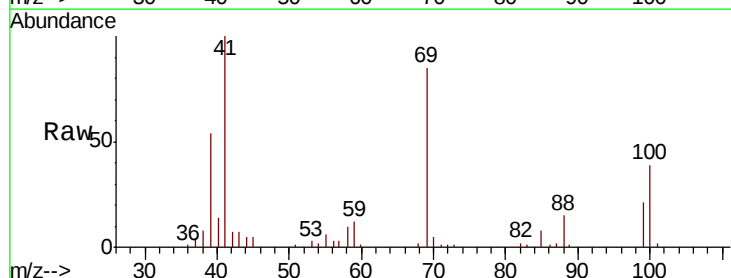
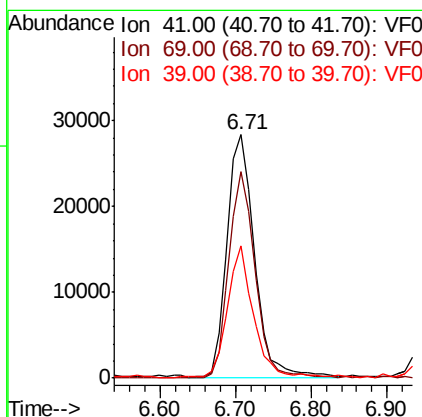
RT: 6.71 min Scan# 616

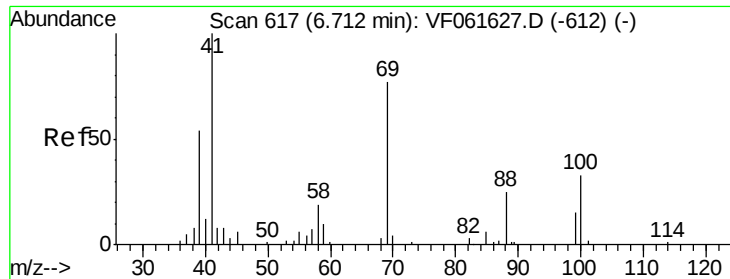
Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion:	41	Resp:	70729
Ion	Ratio	Lower	Upper
41	100		
69	85.1	60.4	90.6
39	54.4	43.7	65.5





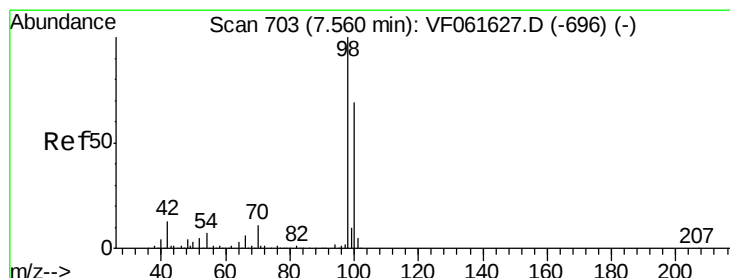
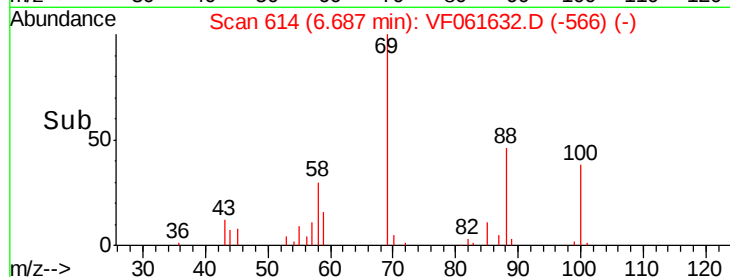
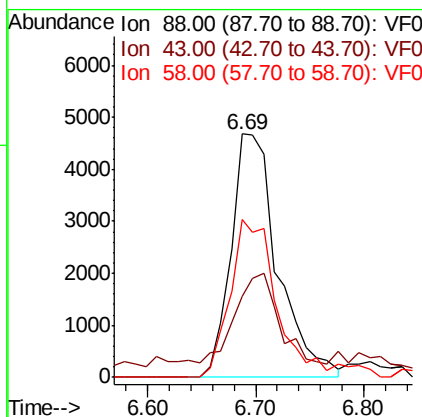
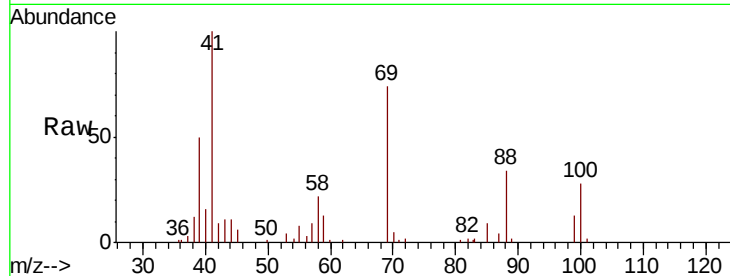
#49
1,4-Dioxane
Concen: 996.323 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	13980		
43	33.1	32.3	48.5	
58	64.9	59.4	89.2	

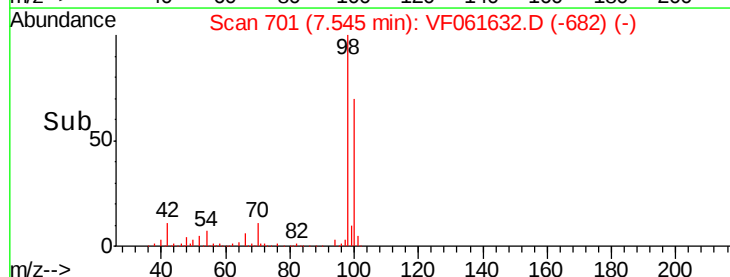
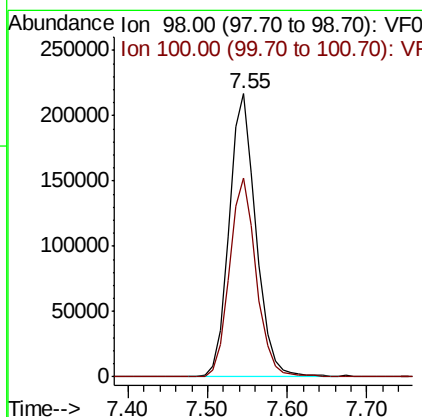
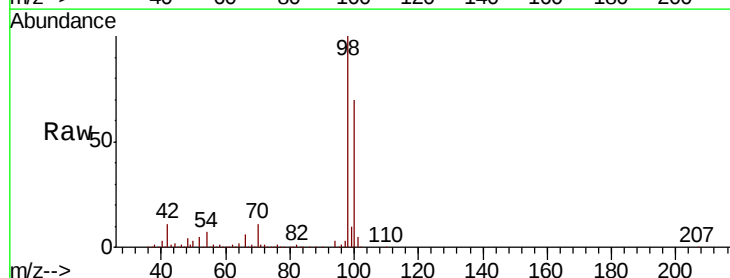
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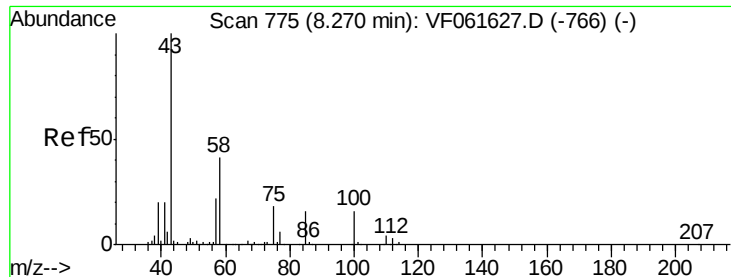
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#50
Toluene-d8
Concen: 52.523 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	510626		
100	70.4	55.4	83.2	





#51

4-Methyl-2-Pentanone

Concen: 220.058 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 390005

Ion Ratio Lower Upper

43 100

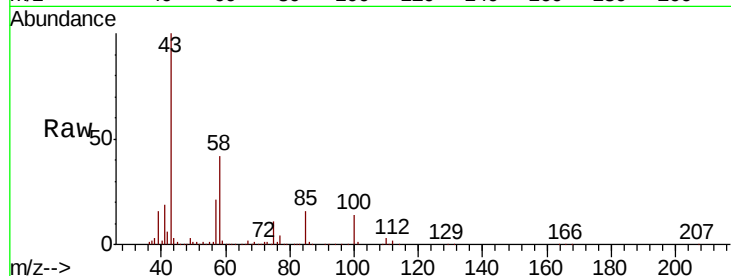
58 41.5 33.1 49.7

Manual Integrations

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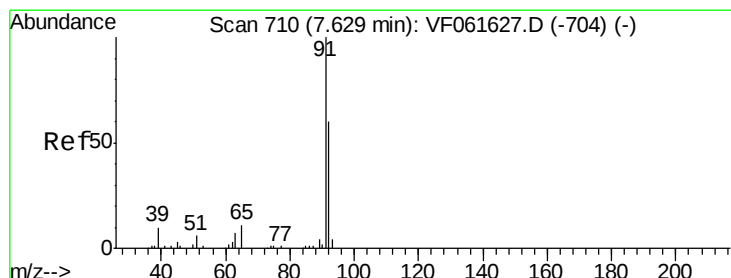
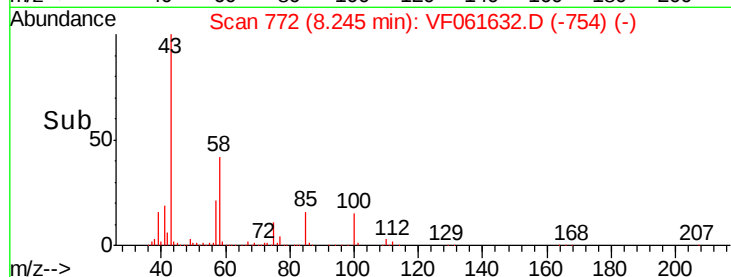
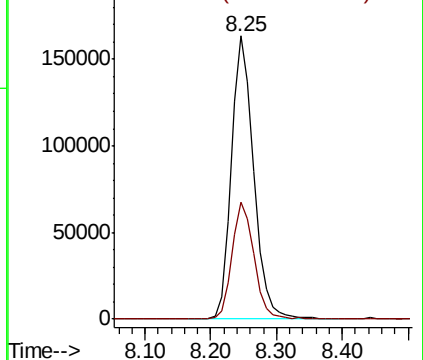
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.748 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061632.D

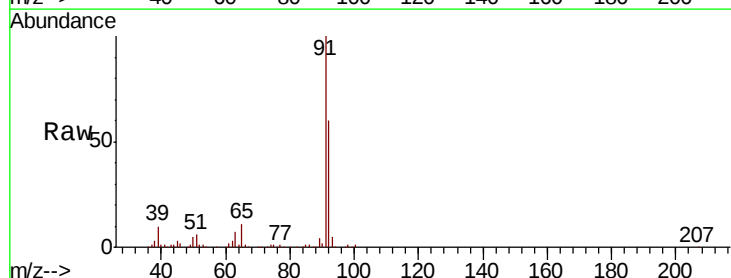
Acq: 14 Feb 2019 10:57

Tgt Ion: 92 Resp: 356031

Ion Ratio Lower Upper

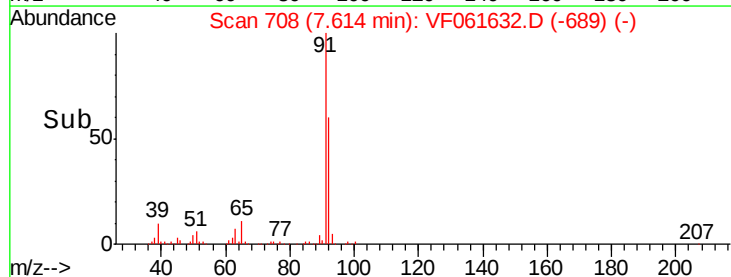
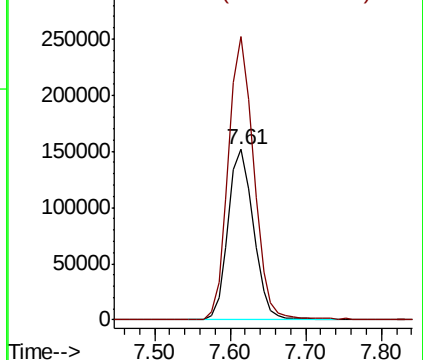
92 100

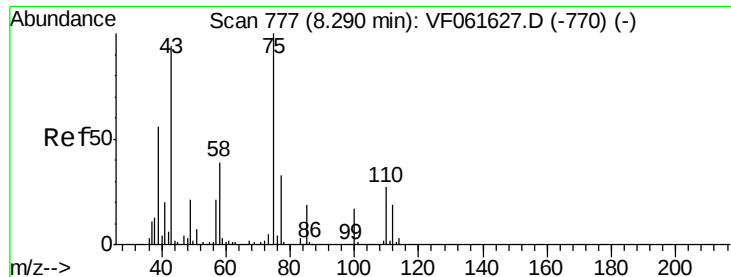
91 166.2 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.708 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 152705

Ion Ratio Lower Upper

75 100

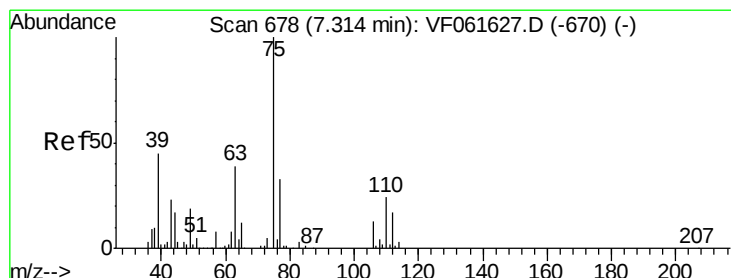
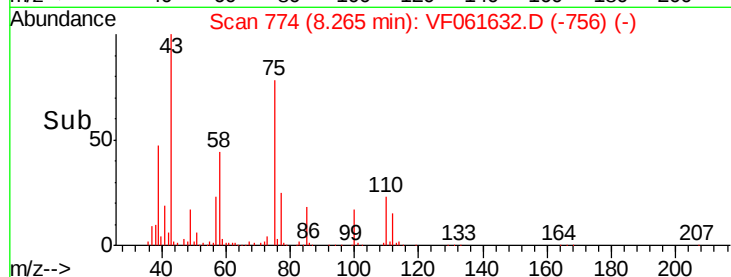
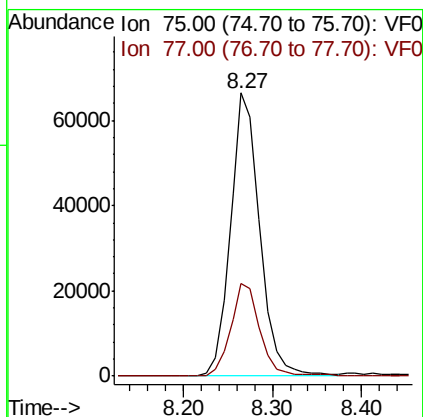
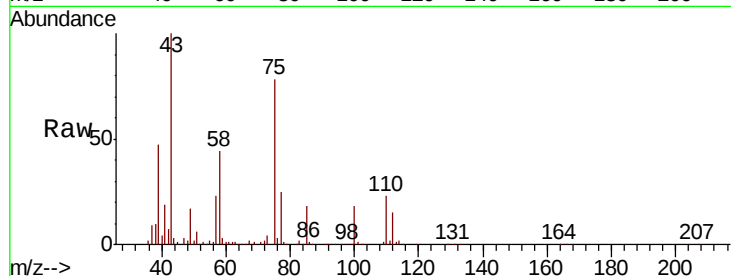
77 32.8 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 55.306 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

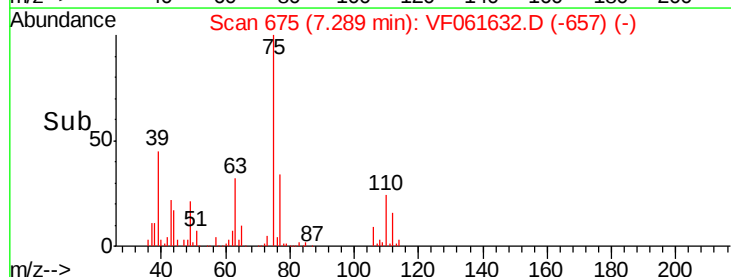
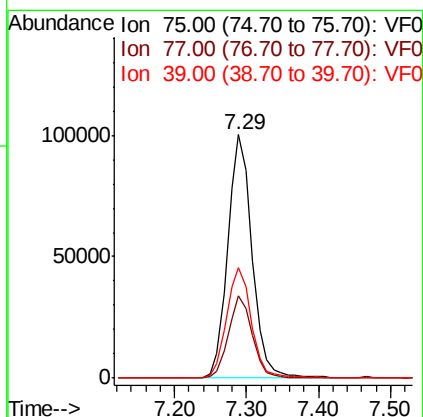
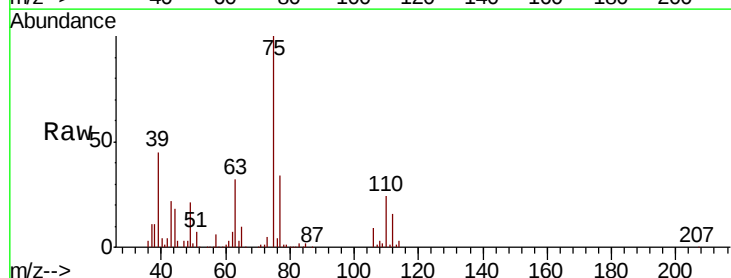
Tgt Ion: 75 Resp: 235792

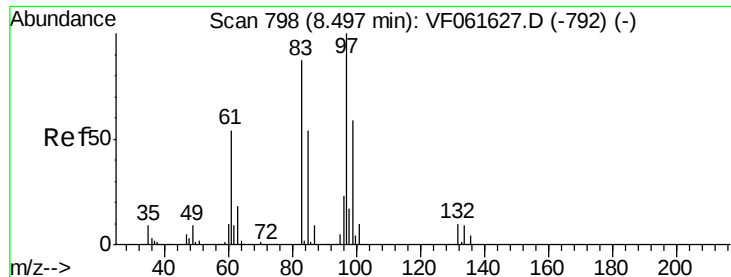
Ion Ratio Lower Upper

75 100

77 34.0 26.4 39.6

39 45.5 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 50.013 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

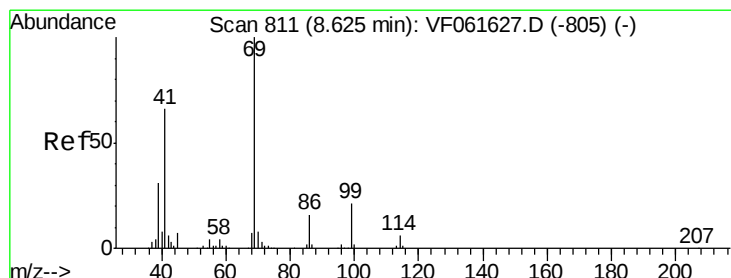
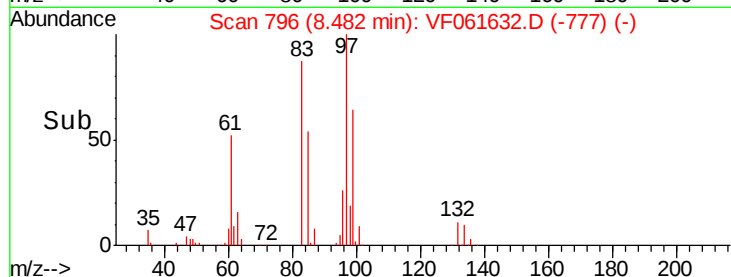
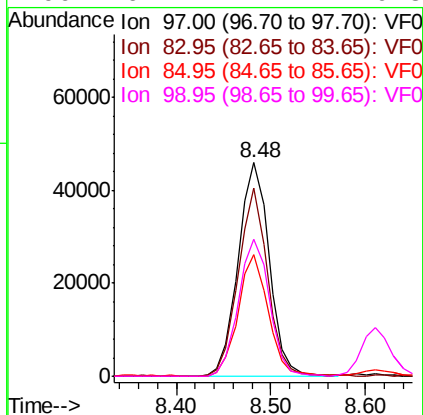
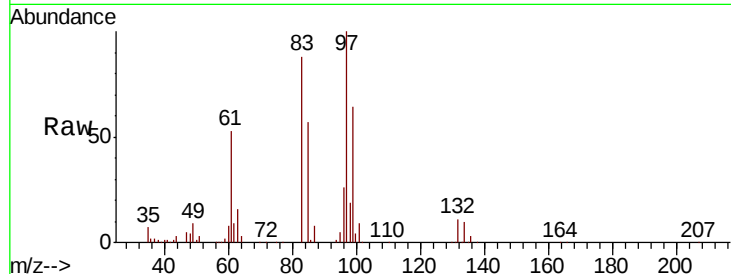
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	105162
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.2	103.8
85	57.1	43.0	64.4
99	64.4	47.2	70.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 46.777 ug/l

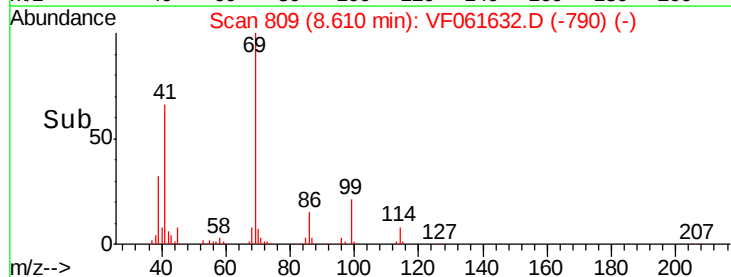
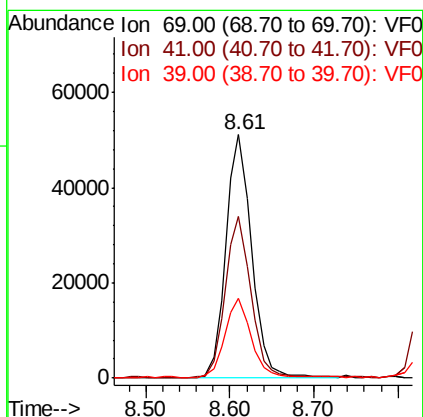
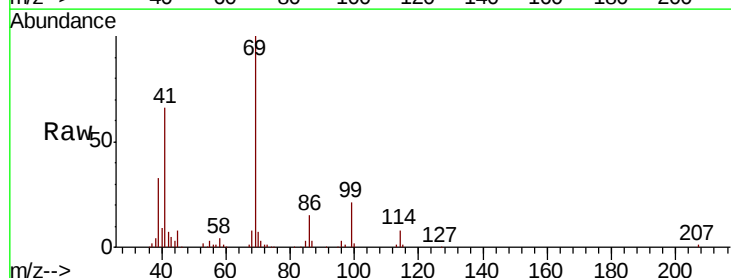
RT: 8.61 min Scan# 809

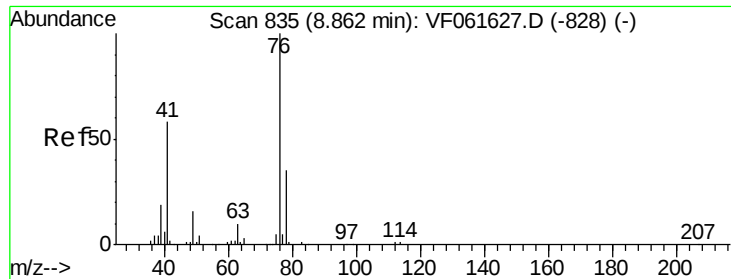
Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion:	69	Resp:	109508
Ion	Ratio	Lower	Upper
69	100		
41	66.2	52.9	79.3
39	32.9	24.5	36.7





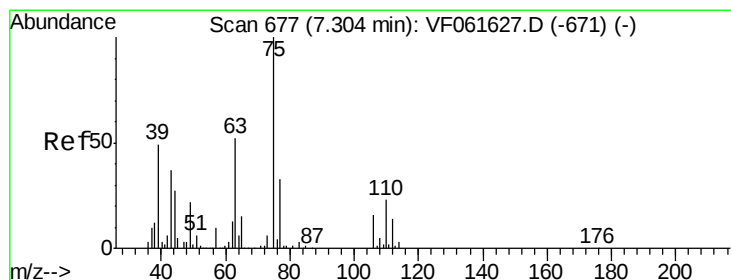
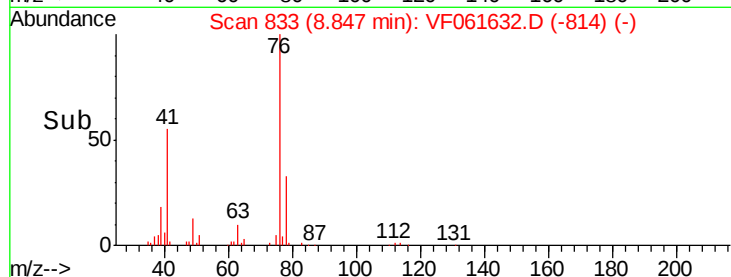
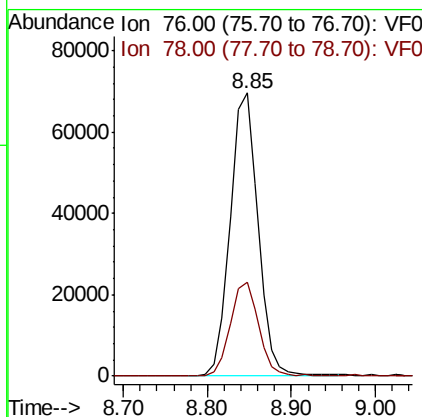
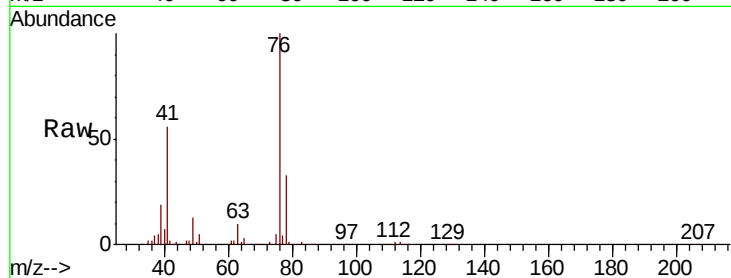
#57
 1,3-Dichloropropane
 Concen: 45.955 ug/l
 RT: 8.85 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 161289
 Ion Ratio Lower Upper
 76 100
 78 33.0 27.8 41.6

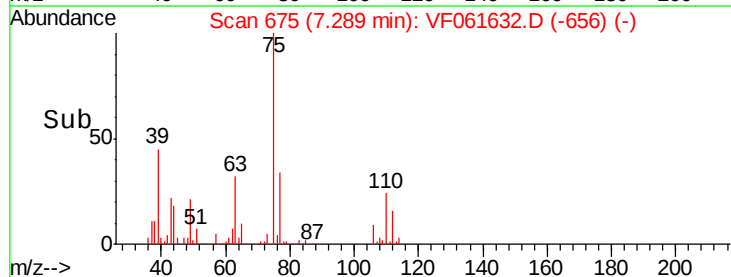
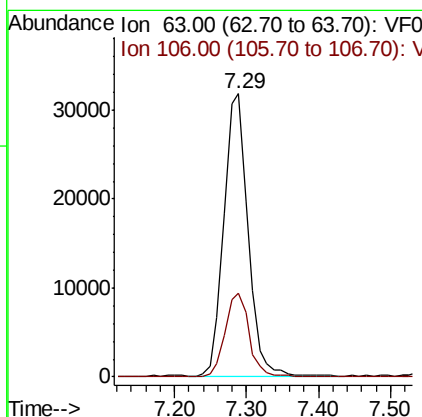
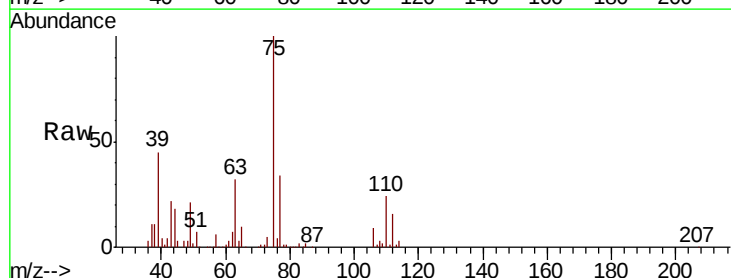
Manual Integrations
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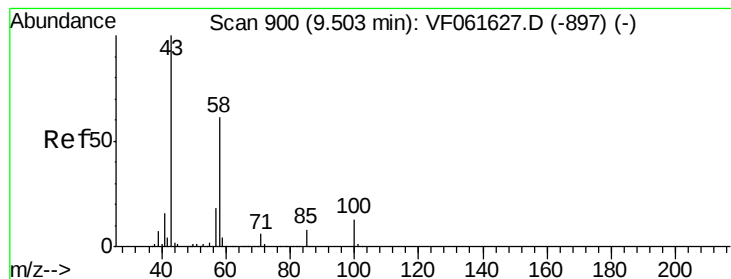
MMDadoda
 2/18/2019 12:11:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 185.156 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 63 Resp: 74788
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.6 36.8





#59

2-Hexanone

Concen: 234.697 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 291569

Ion Ratio Lower Upper

43 100

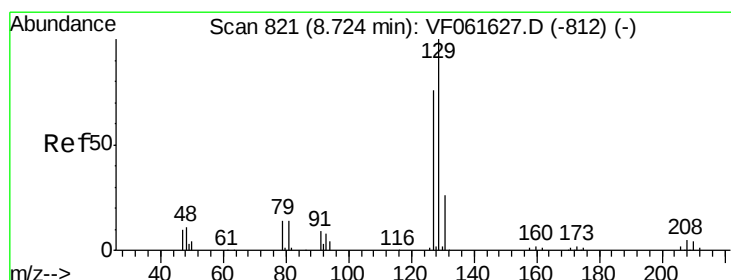
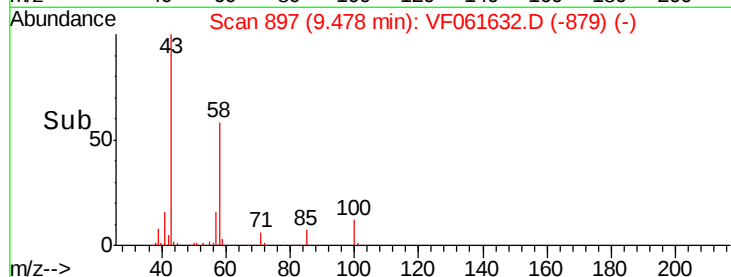
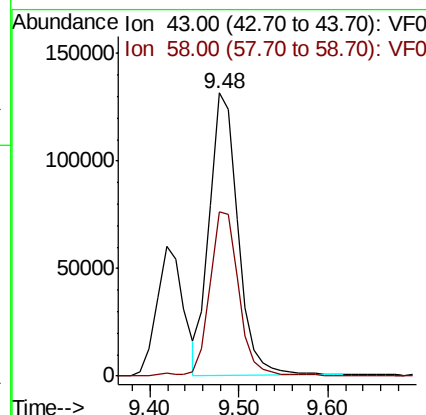
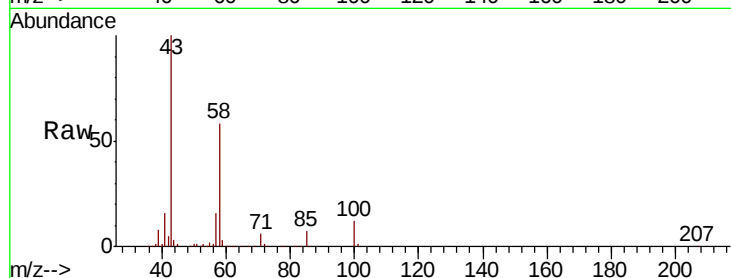
58 58.2 28.5 85.5

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#60

Dibromochloromethane

Concen: 49.676 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF061632.D

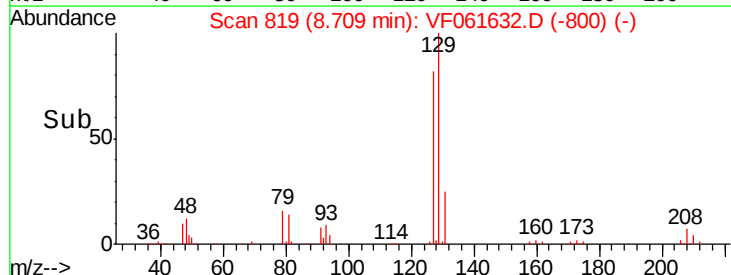
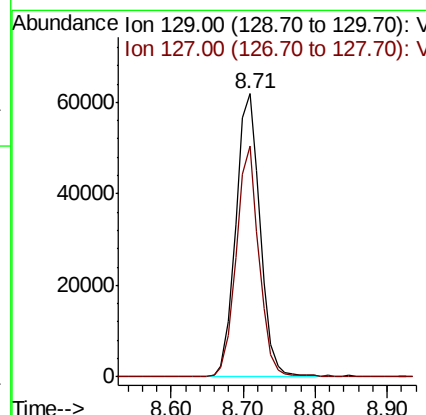
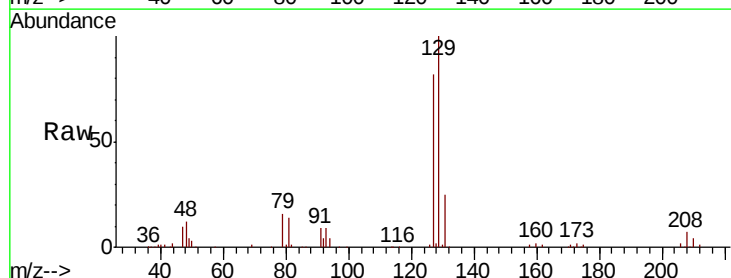
Acq: 14 Feb 2019 10:57

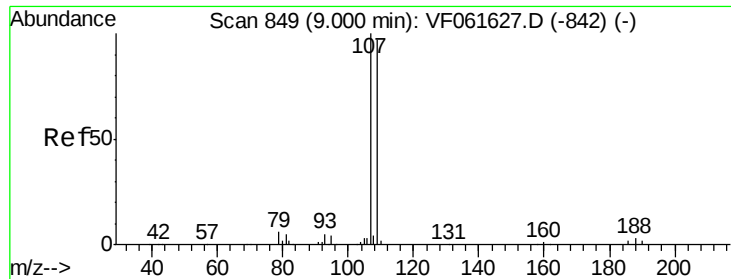
Tgt Ion: 129 Resp: 145388

Ion Ratio Lower Upper

129 100

127 81.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 47.654 ug/l

RT: 8.98 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 108683

Ion Ratio Lower Upper

107 100

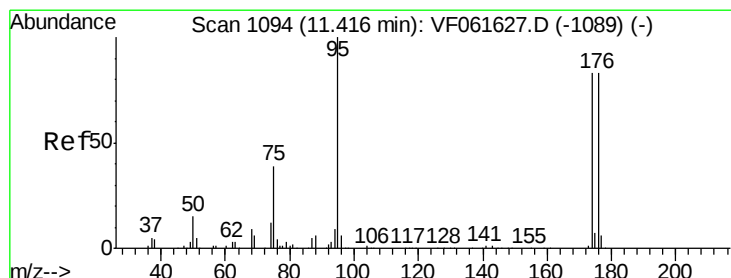
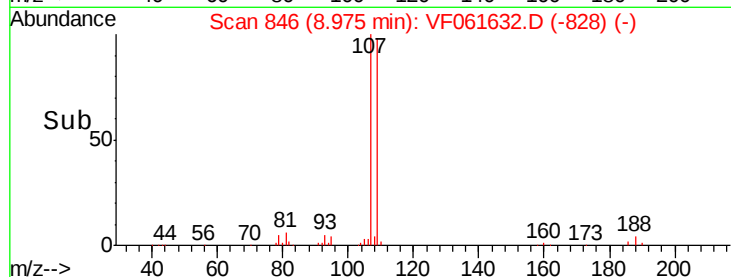
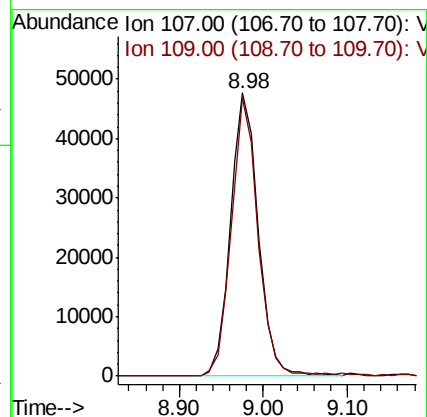
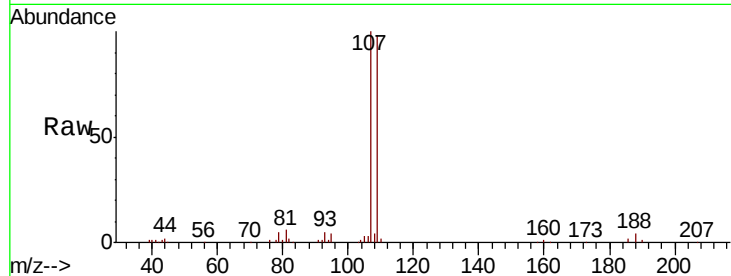
109 98.5 77.4 116.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.751 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

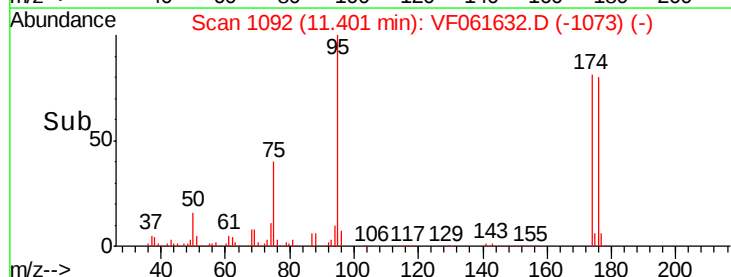
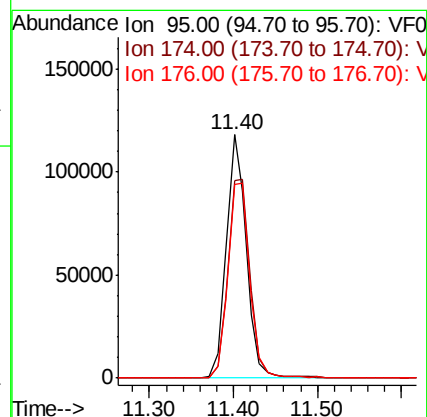
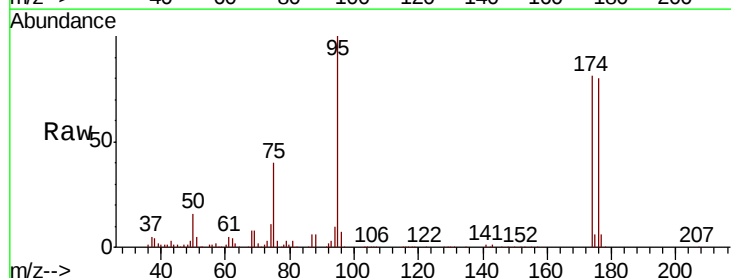
Tgt Ion: 95 Resp: 195707

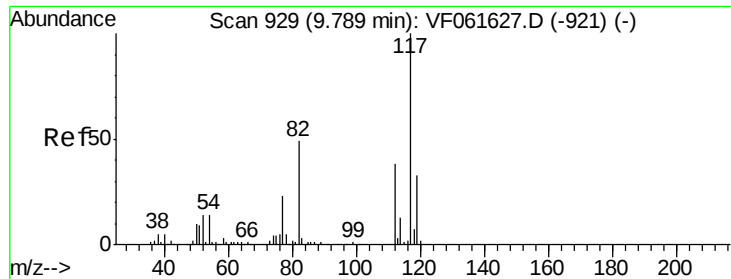
Ion Ratio Lower Upper

95 100

174 80.9 0.0 165.8

176 79.6 0.0 167.0





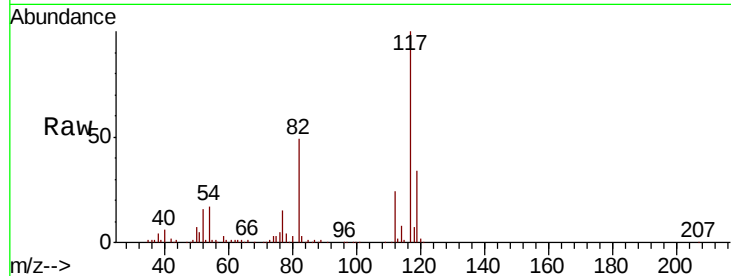
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	394392		
82	48.6	39.3	58.9	
119	33.6	26.6	40.0	

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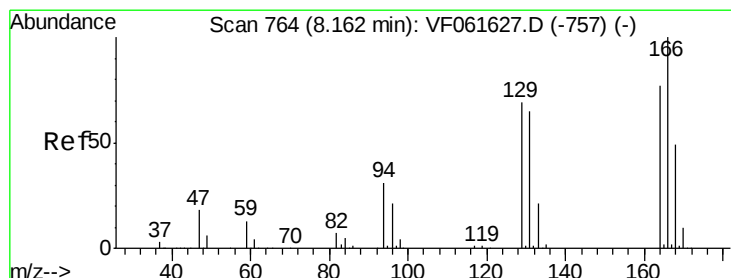
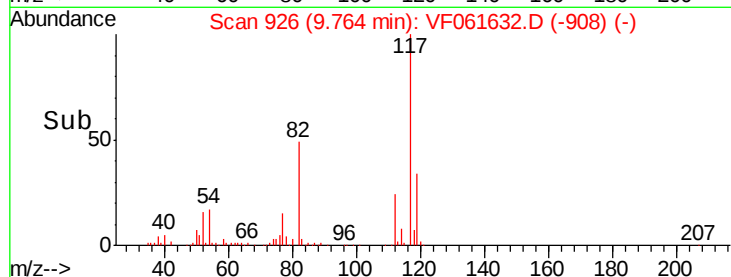
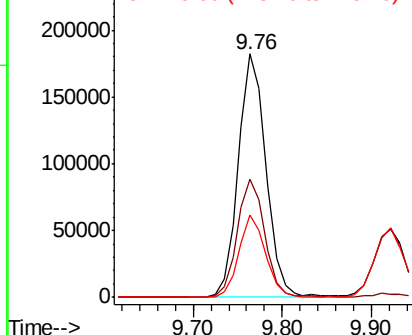


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 52.396 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168910		
166	129.6	103.9	155.9	
129	86.8	71.3	106.9	
131	81.8	67.1	100.7	

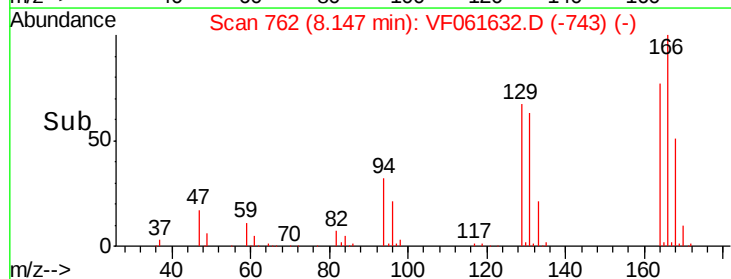
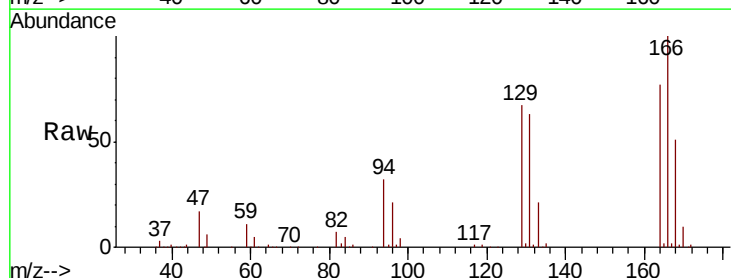
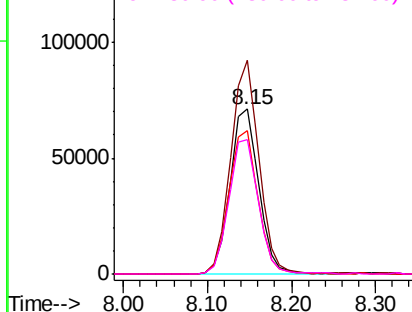
Abundance

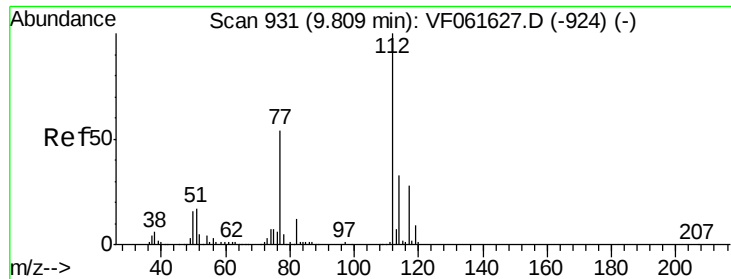
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





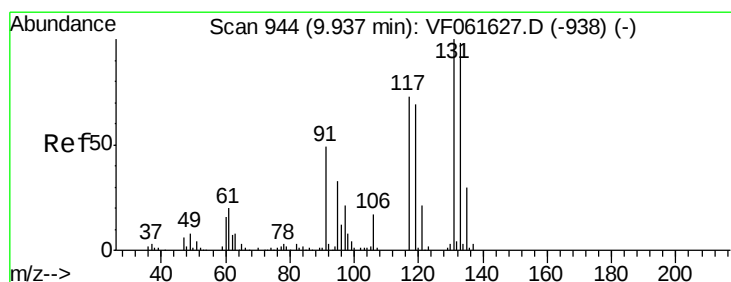
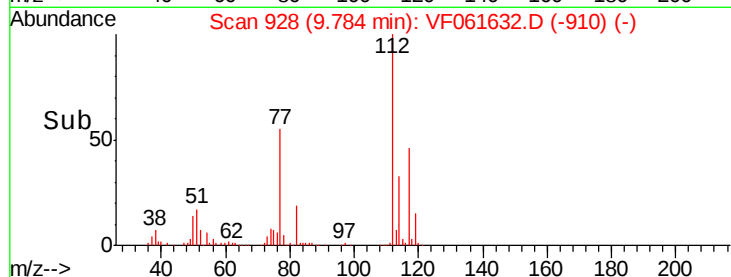
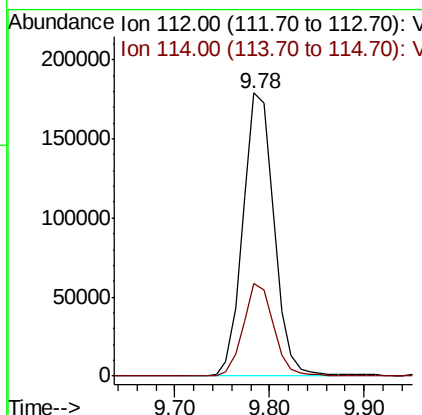
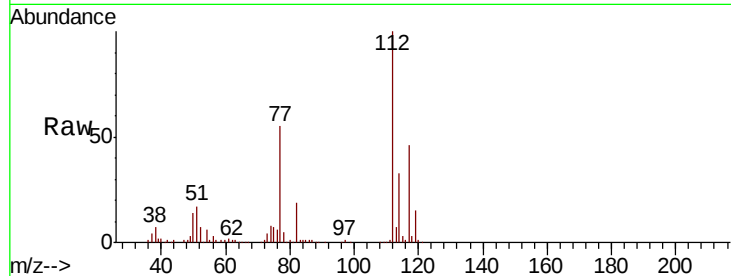
#65
Chlorobenzene
Concen: 51.016 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 408290
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.2

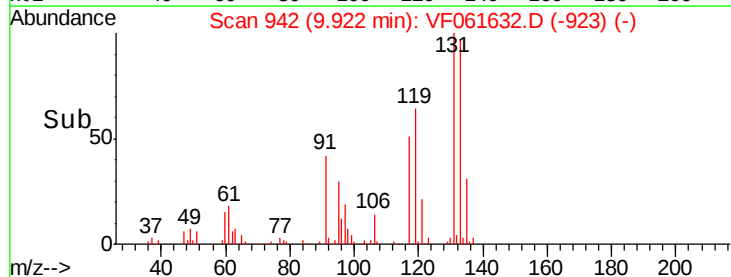
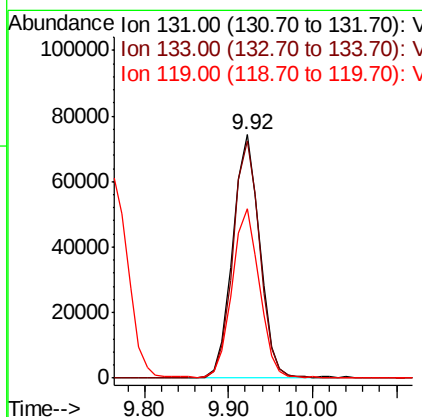
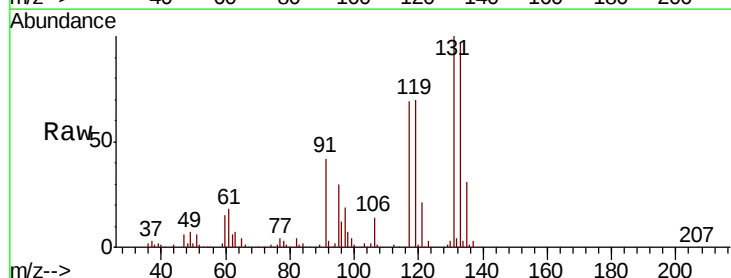
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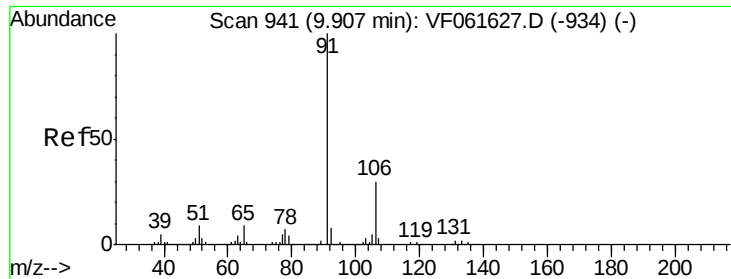
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.170 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion:131 Resp: 166741
Ion Ratio Lower Upper
131 100
133 97.2 48.9 146.6
119 69.6 34.8 104.3





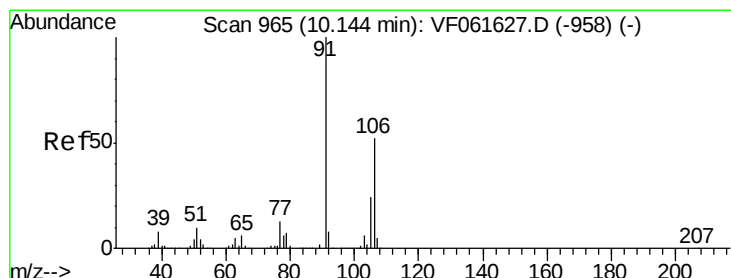
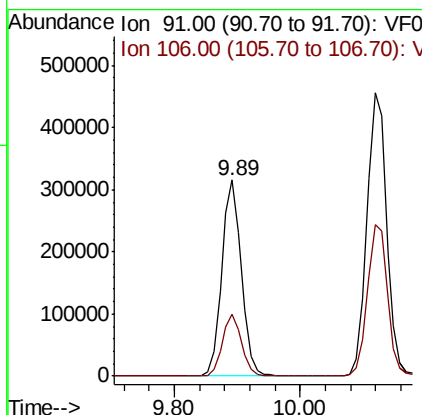
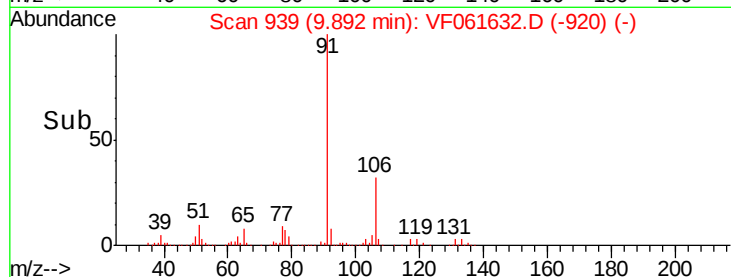
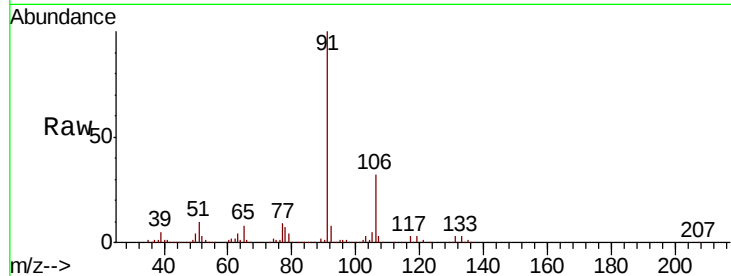
#67
Ethyl Benzene
Concen: 51.513 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 685588
Ion Ratio Lower Upper
91 100
106 31.7 24.1 36.1

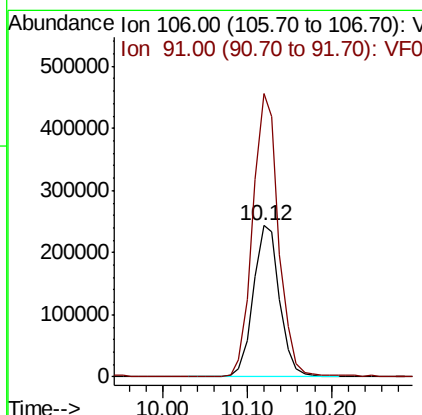
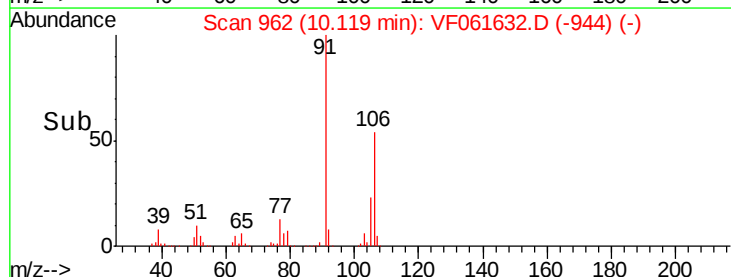
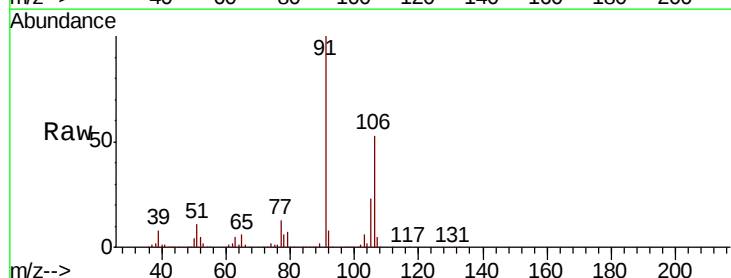
Manual Integrations
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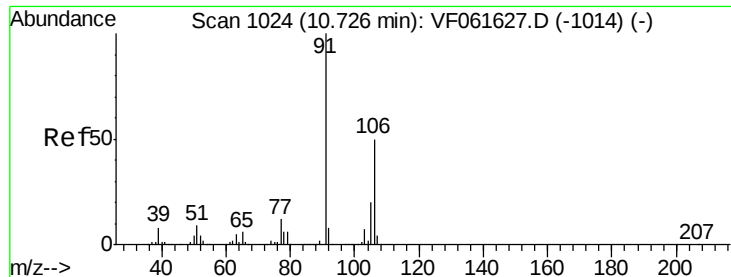
MMDadoda
2/18/2019 12:11:33 AM



#68
m/p-Xylenes
Concen: 104.981 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 106 Resp: 534729
Ion Ratio Lower Upper
106 100
91 187.0 153.0 229.6





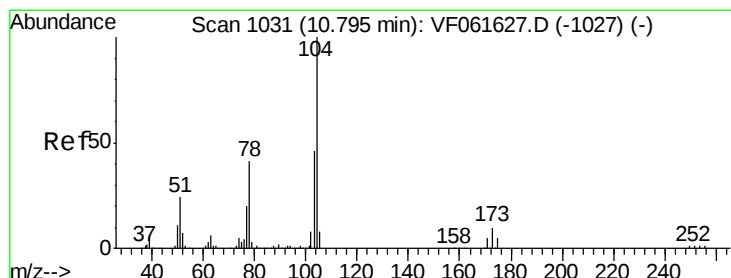
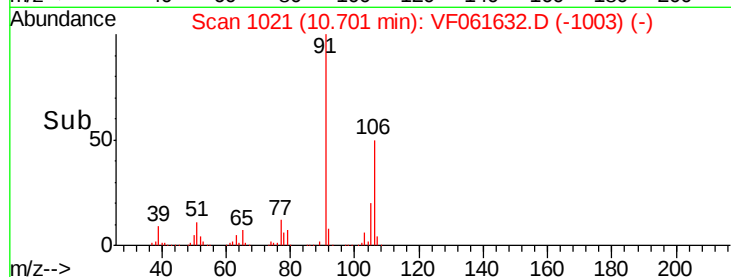
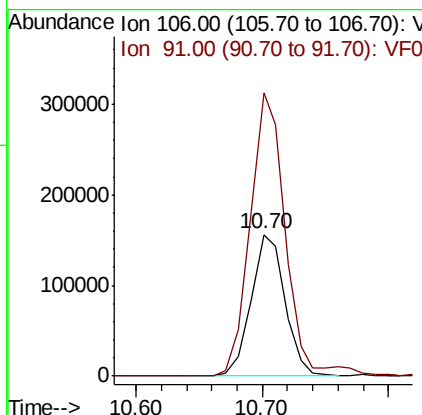
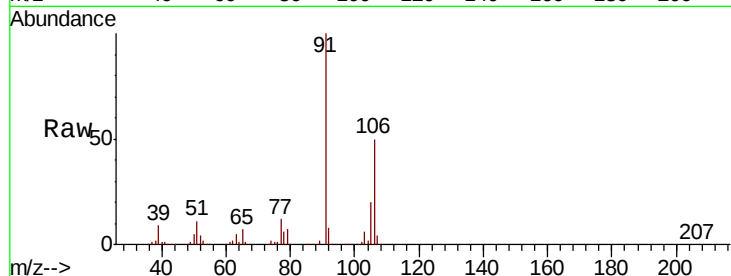
#69
o-Xylene
Concen: 53.718 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.8	100.1	300.1

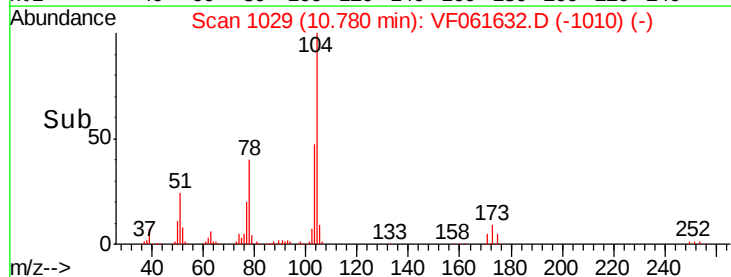
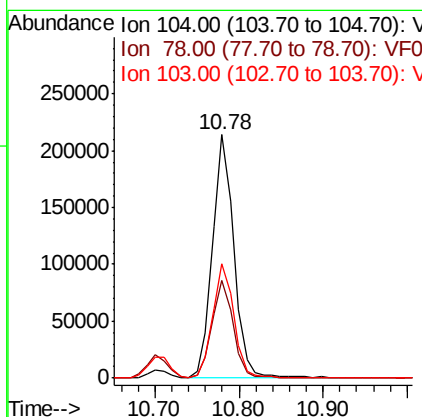
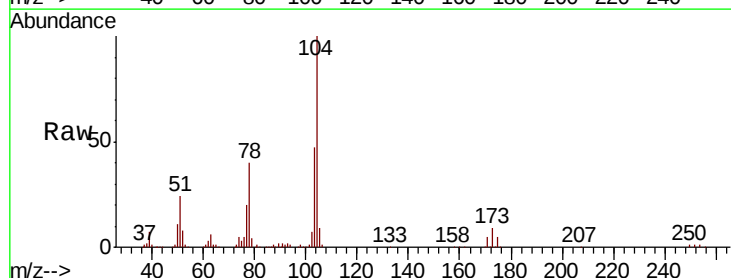
Manual Integrations
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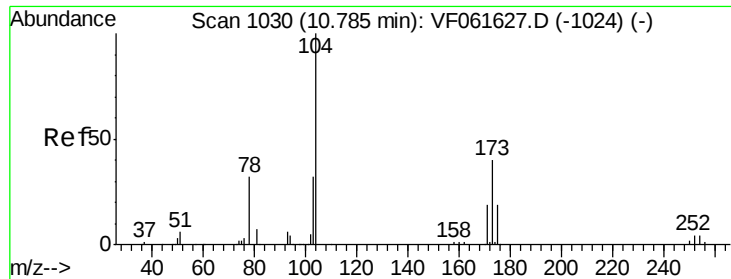
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#70
Styrene
Concen: 48.935 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.2	33.2	49.8
103	46.9	37.2	55.8





#71

Bromoform

Concen: 47.196 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

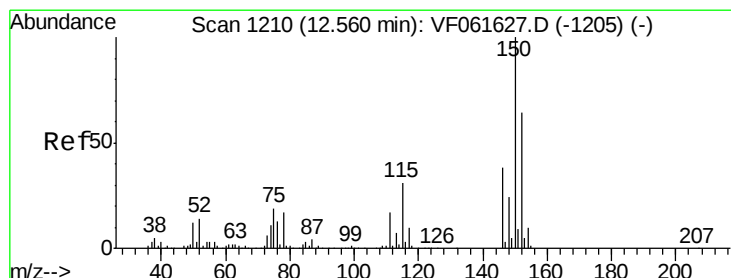
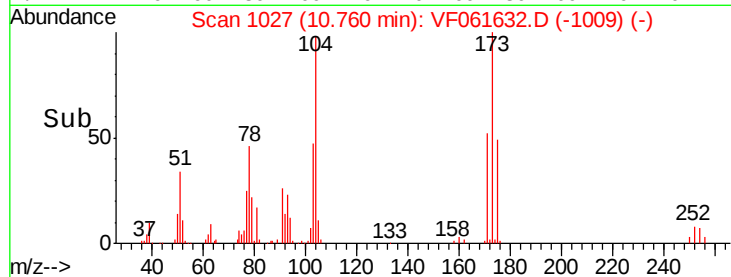
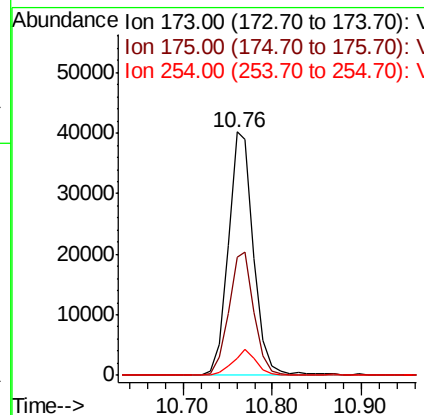
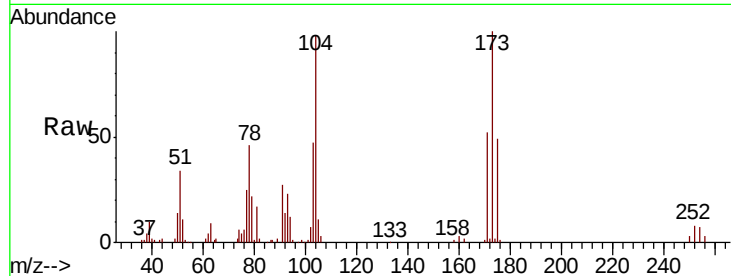
ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 80371
 Ion Ratio Lower Upper
 173 100
 175 48.6 24.0 72.0
 254 7.2 8.2 12.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

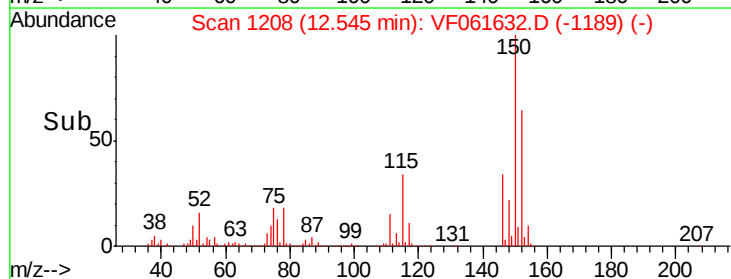
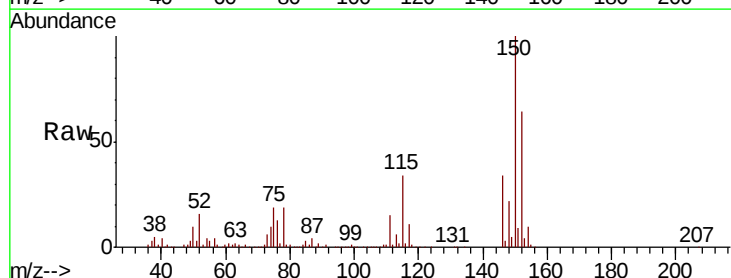
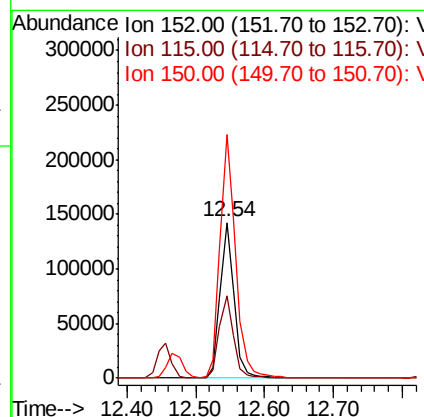
RT: 12.54 min Scan# 1208

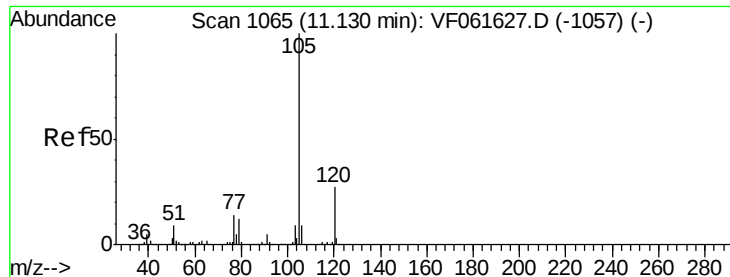
Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion:152 Resp: 201998
 Ion Ratio Lower Upper
 152 100
 115 52.7 24.3 72.8
 150 156.6 0.0 312.0





#73

Isopropylbenzene

Concen: 57.270 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 823646

Ion Ratio Lower Upper

105 100

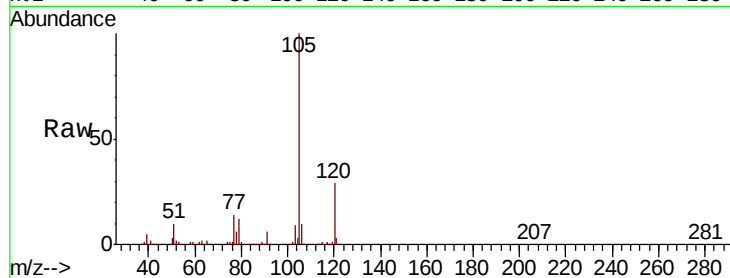
120 28.6 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

500000

400000

300000

200000

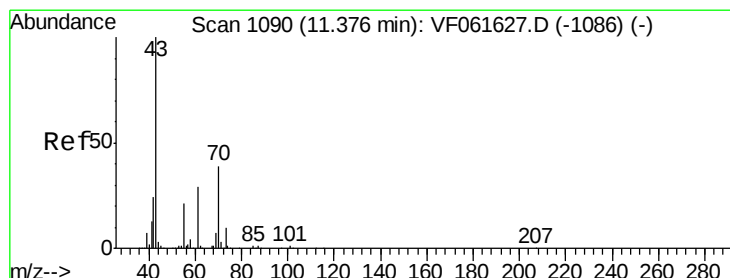
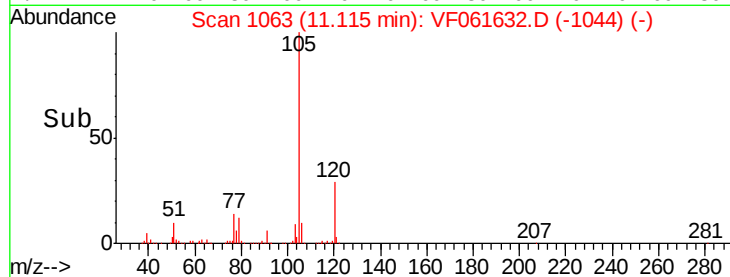
100000

0

Time-->

11.00

11.20



#74

N-ethyl acetate

Concen: 51.301 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion: 43 Resp: 177090

Ion Ratio Lower Upper

43 100

70 39.7 31.5 47.3

55 20.5 16.7 25.1

61 27.0 23.0 34.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

150000

100000

50000

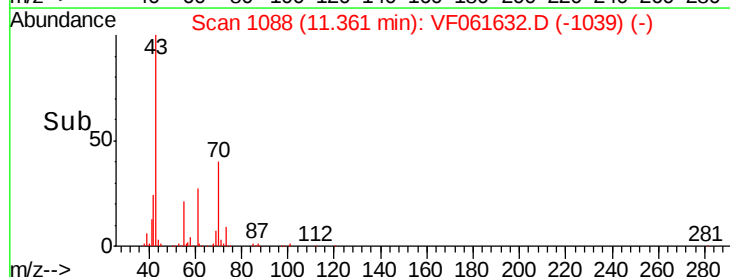
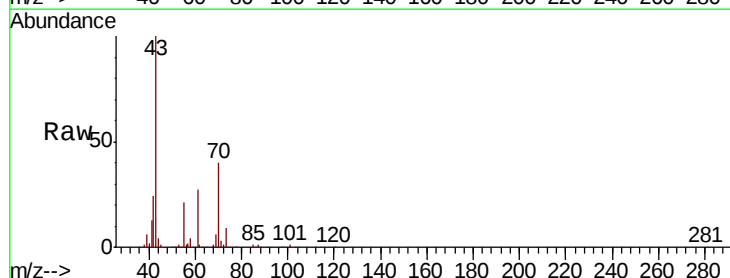
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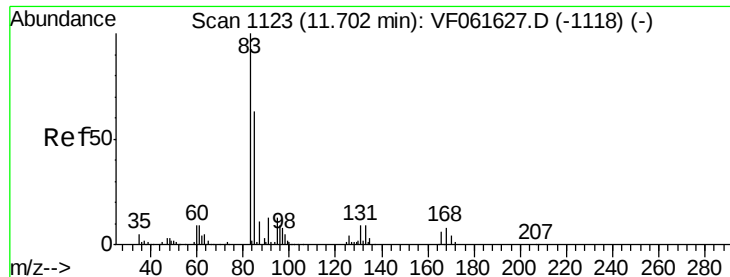
Time-->

11.30

11.40

11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 48.303 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

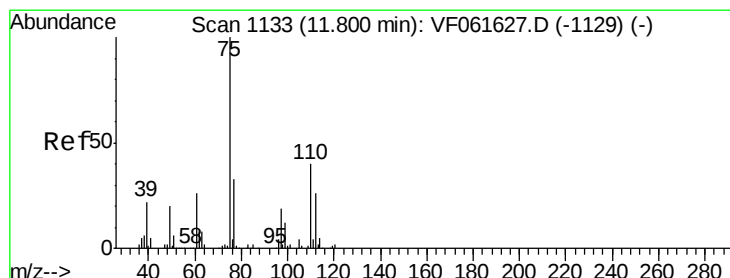
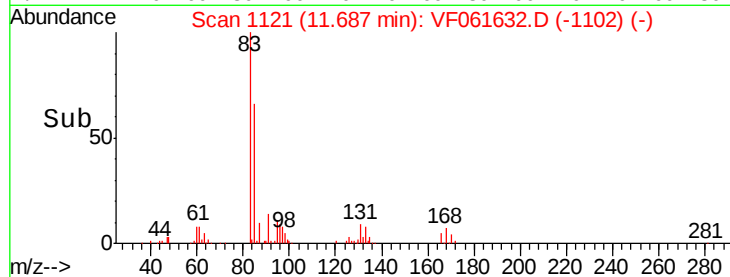
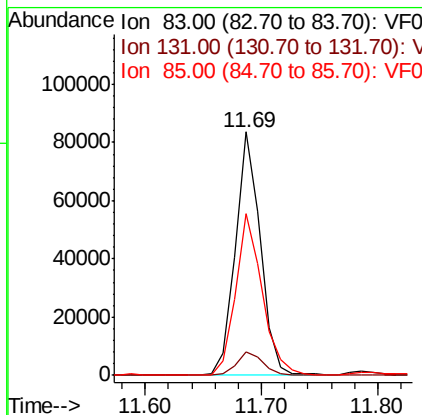
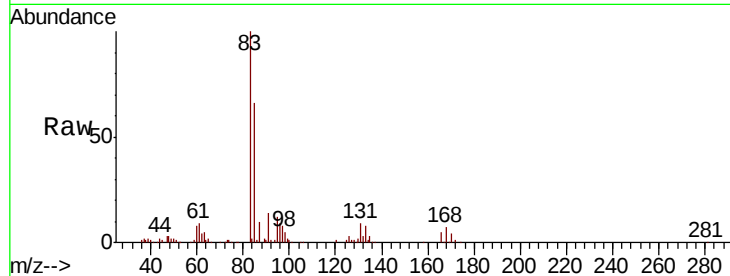
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	124457
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.4	13.2
85	66.5	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.248 ug/l

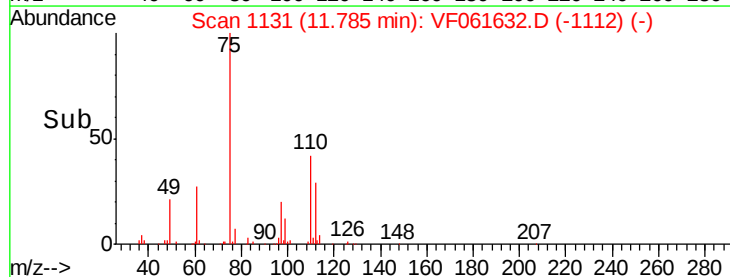
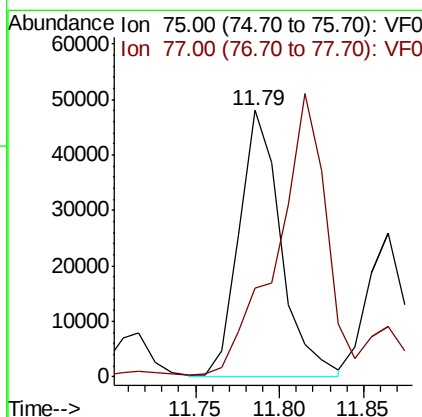
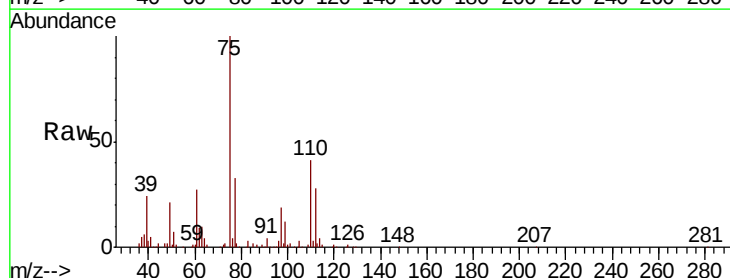
RT: 11.79 min Scan# 1131

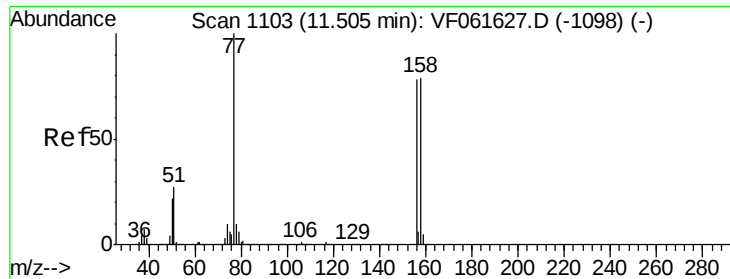
Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion:	75	Resp:	82768
Ion Ratio	Lower	Upper	
75	100		
77	33.2	16.6	49.7





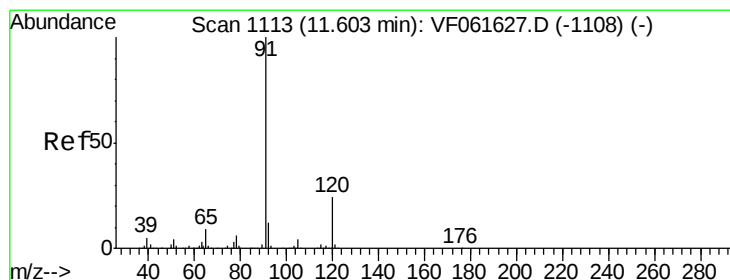
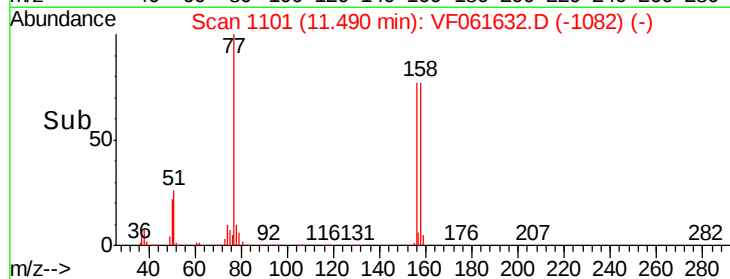
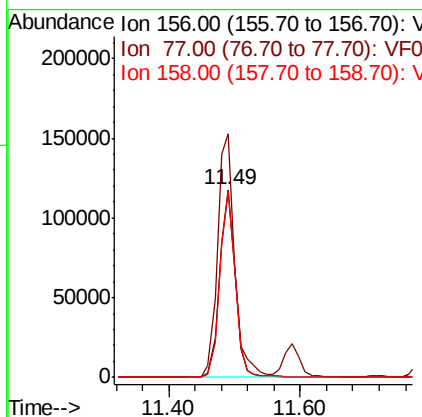
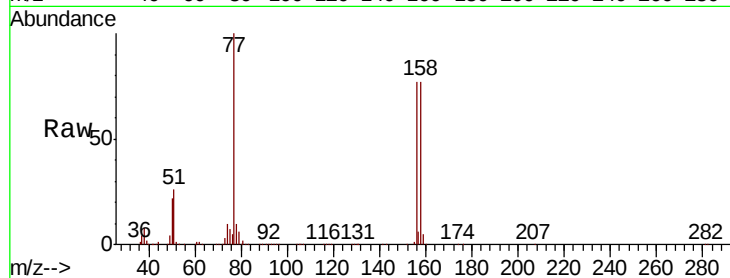
#77
Bromobenzene
Concen: 55.255 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	196318		
77	129.8	64.3	192.7	
158	99.4	50.9	152.7	

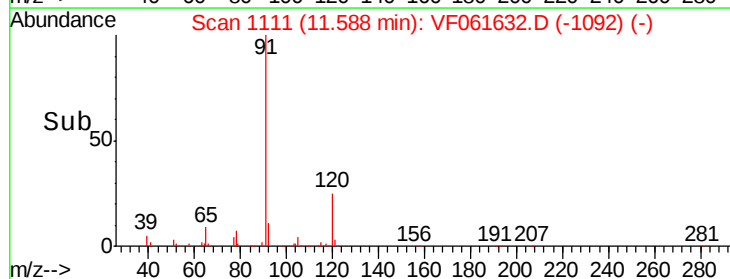
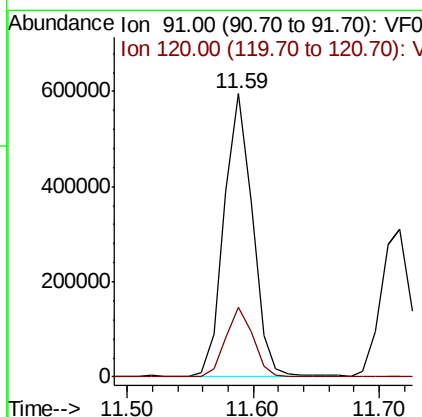
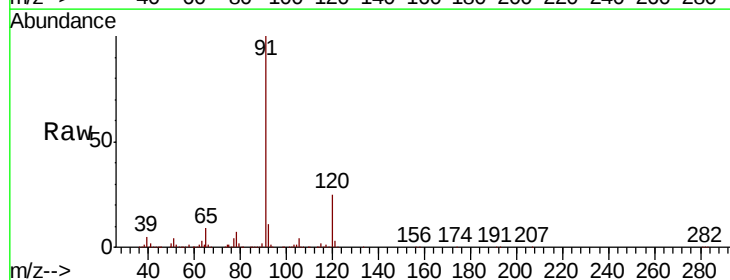
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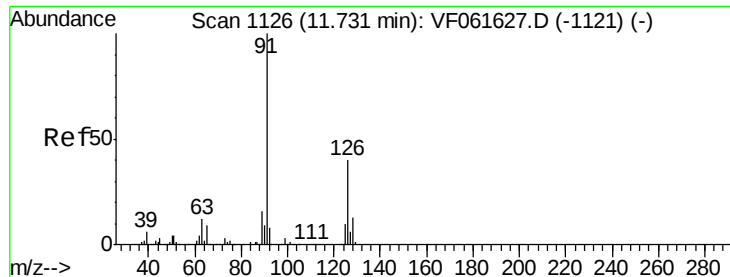
MMDadoda
2/18/2019 12:11:33 AM



#78
n-propylbenzene
Concen: 56.141 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	926522		
120	24.7	12.1	36.3	





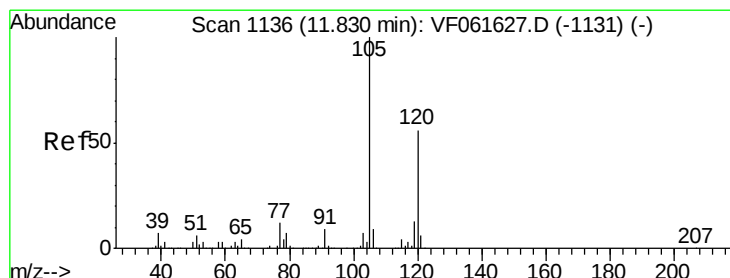
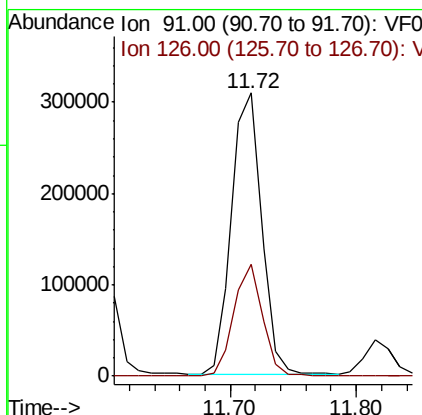
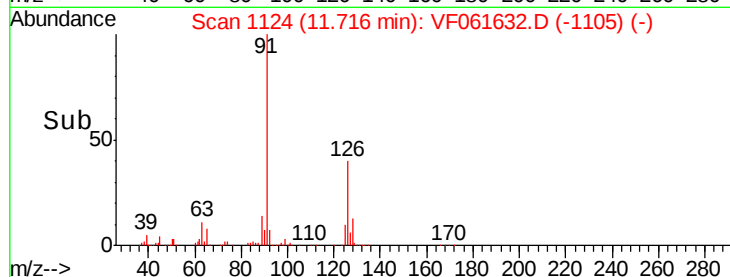
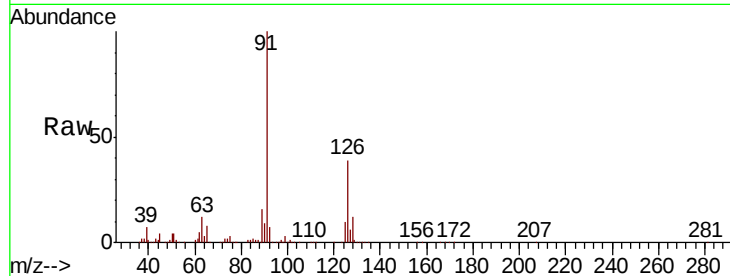
#79
2-Chlorotoluene
Concen: 55.208 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 510279
Ion Ratio Lower Upper
91 100
126 39.3 19.8 59.4

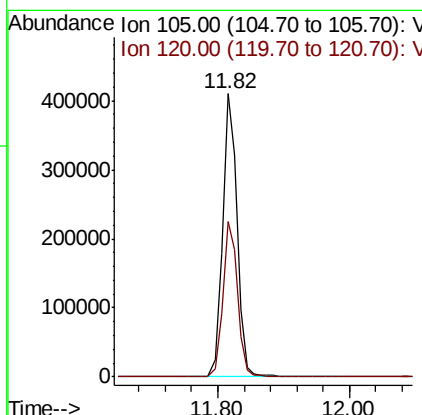
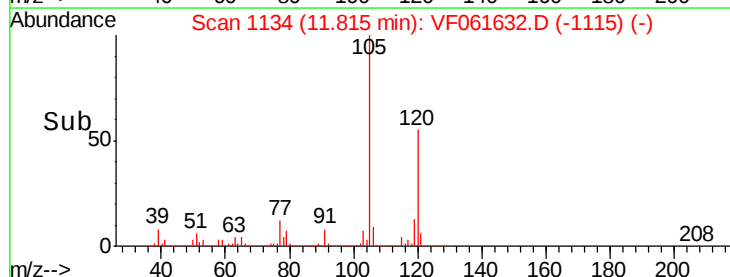
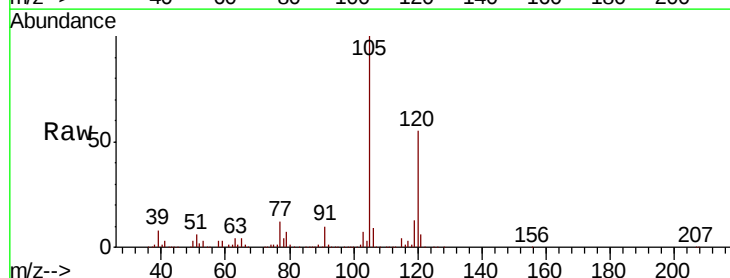
Manual Integrations
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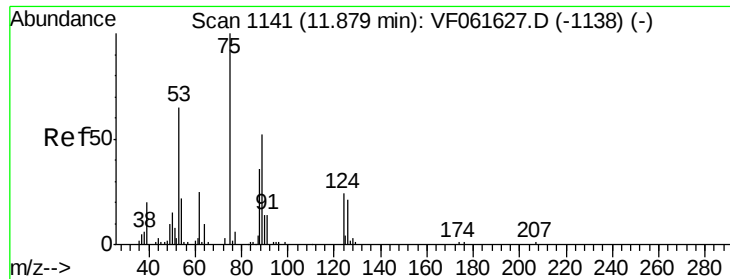
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 54.812 ug/l
RT: 11.82 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 105 Resp: 630038
Ion Ratio Lower Upper
105 100
120 55.0 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.025 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 42852
Ion Ratio Lower Upper

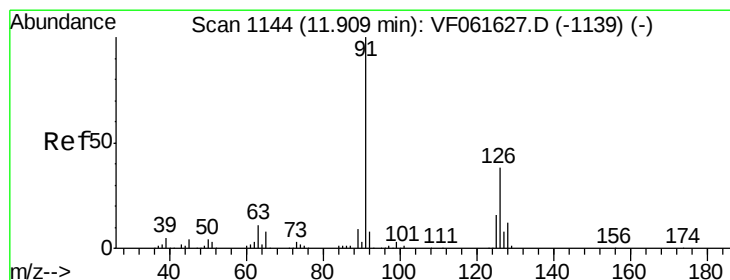
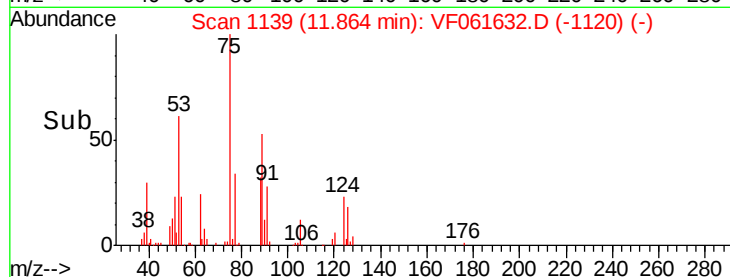
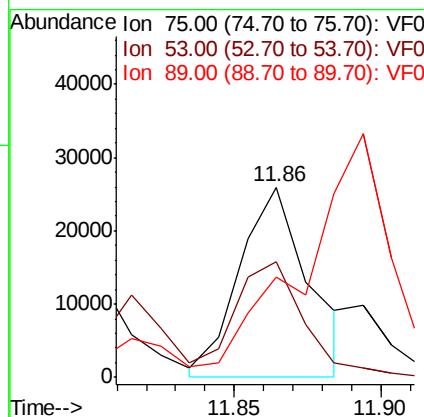
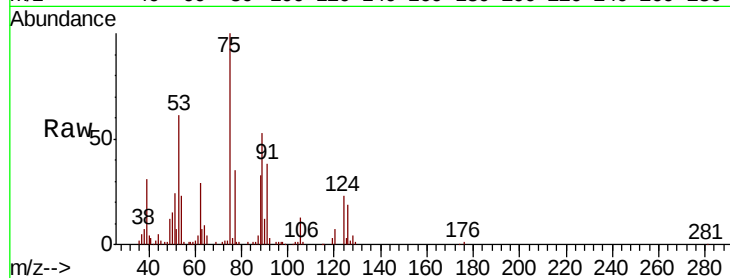
75 100

53 60.8 53.7 80.5

89 53.0 41.6 62.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.521 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

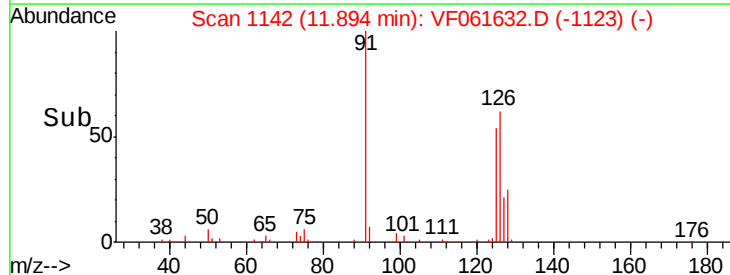
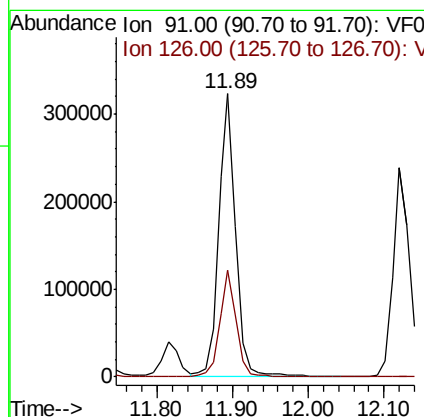
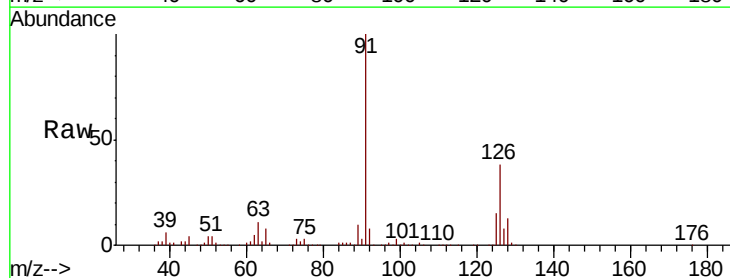
Lab File: VF061632.D

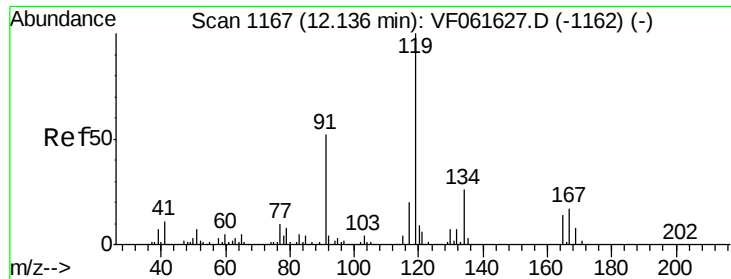
Acq: 14 Feb 2019 10:57

Tgt Ion: 91 Resp: 503863
Ion Ratio Lower Upper

91 100

126 37.7 19.1 57.1





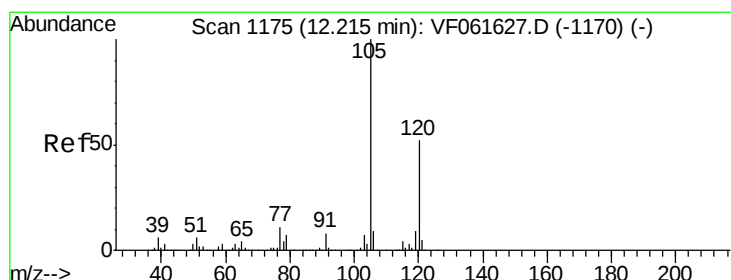
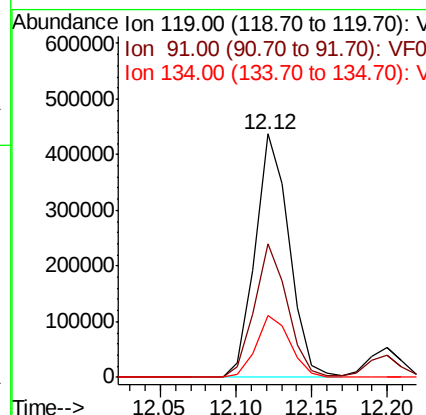
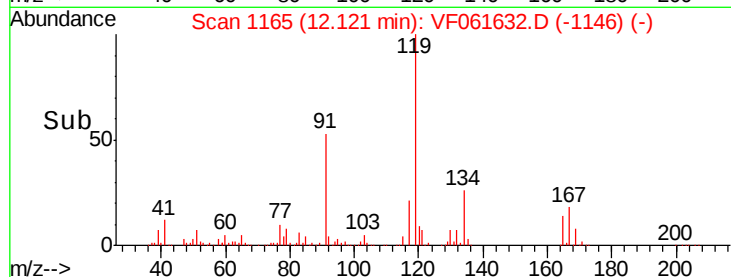
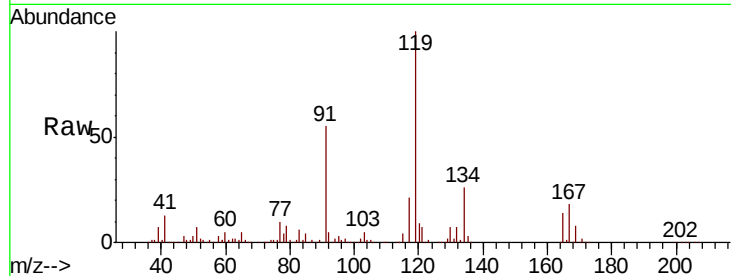
#83
 tert-Butylbenzene
 Concen: 53.876 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	685917		
91	54.6	26.3	78.8	
134	25.7	12.9	38.7	

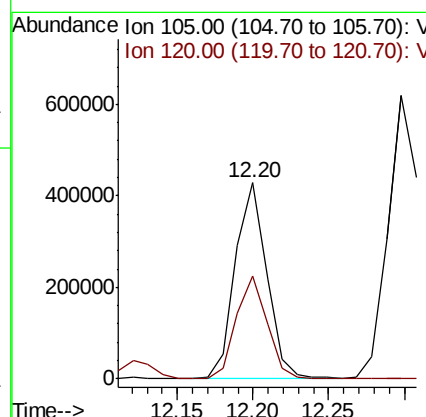
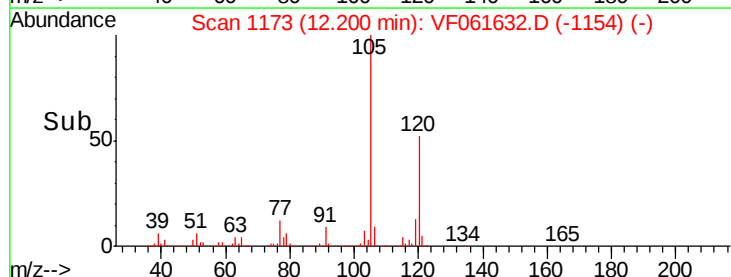
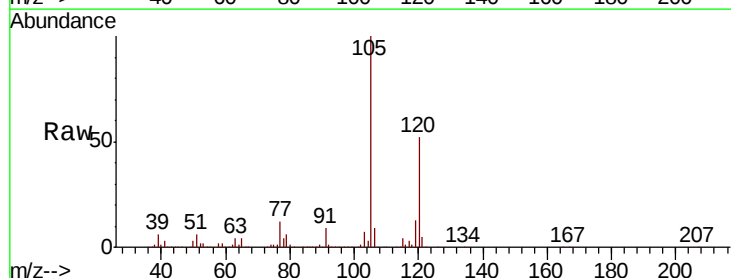
Manual Integrations
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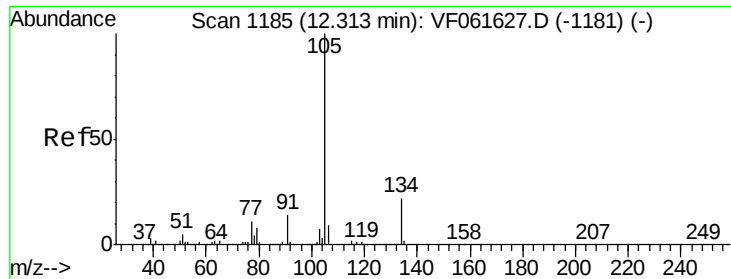
MMDadoda
 2/18/2019 12:11:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.598 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	623491		
120	52.3	26.1	78.3	





#85

sec-Butylbenzene

Concen: 56.303 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 926953

Ion Ratio Lower Upper

105 100

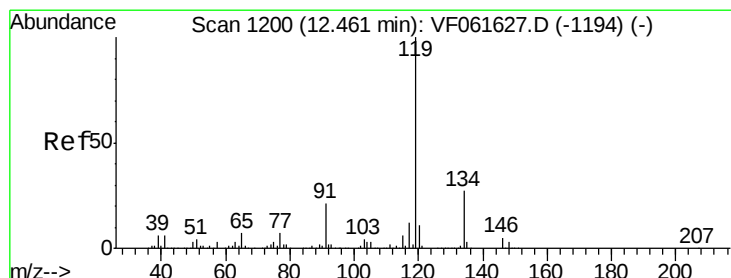
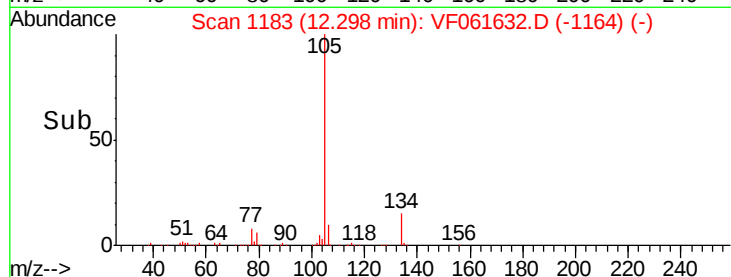
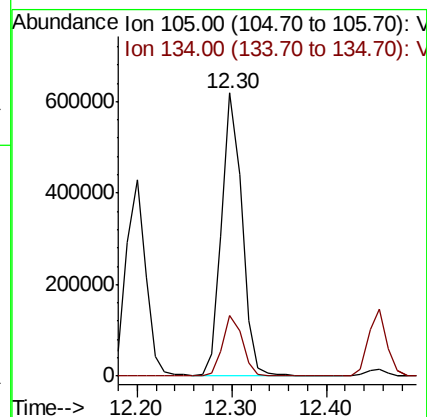
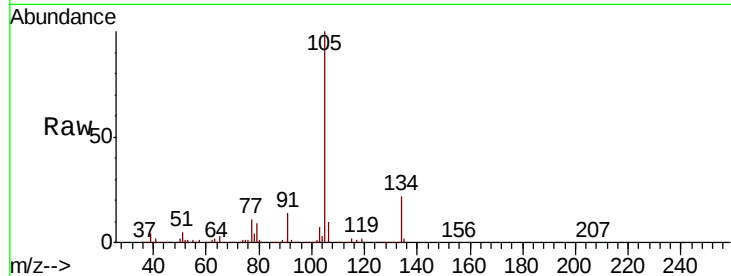
134 21.6 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.859 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

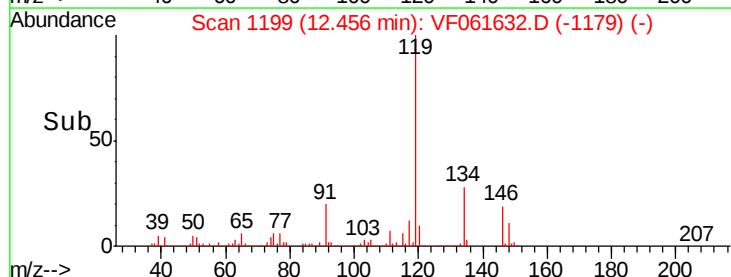
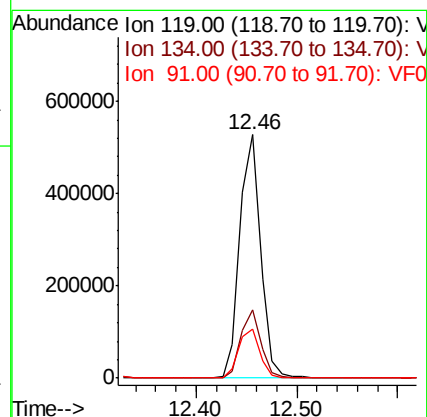
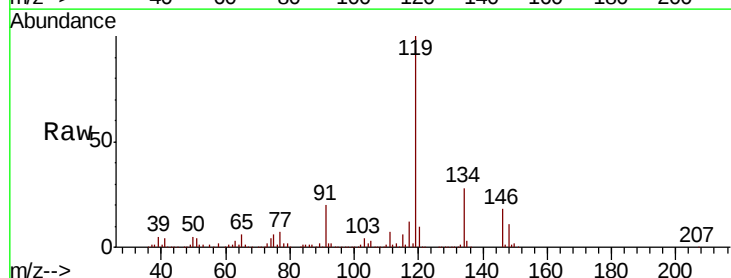
Tgt Ion:119 Resp: 757988

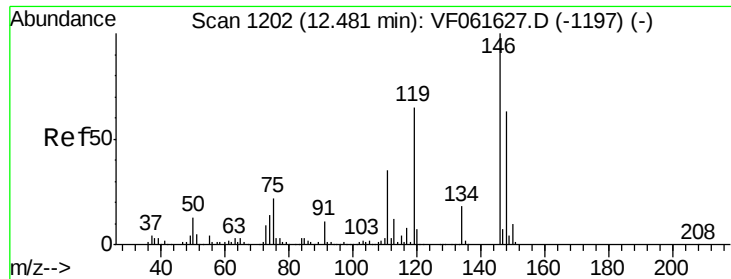
Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.1

91 20.2 10.8 32.4





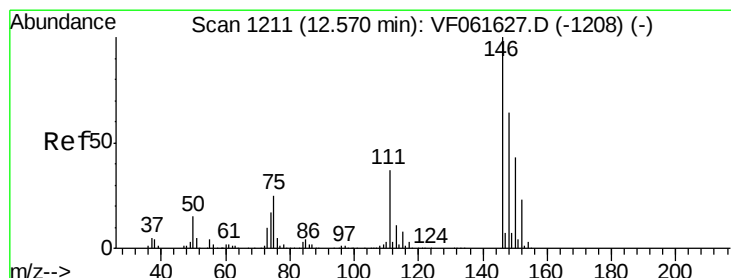
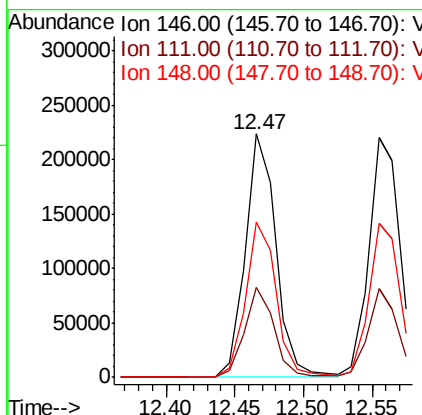
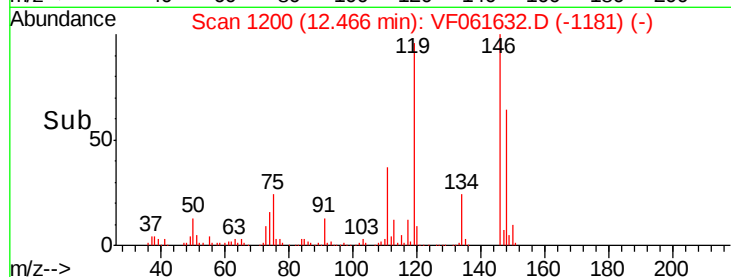
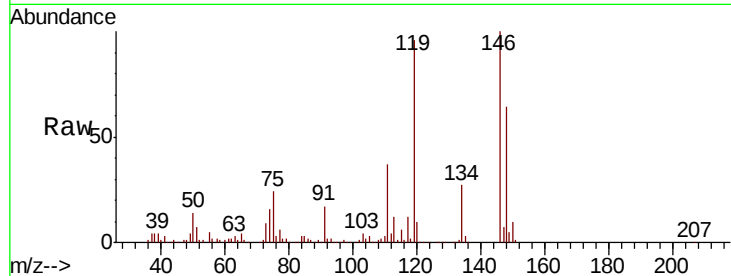
#87
 1,3-Dichlorobenzene
 Concen: 50.387 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	17.5	52.6
148	63.9	31.4	94.3

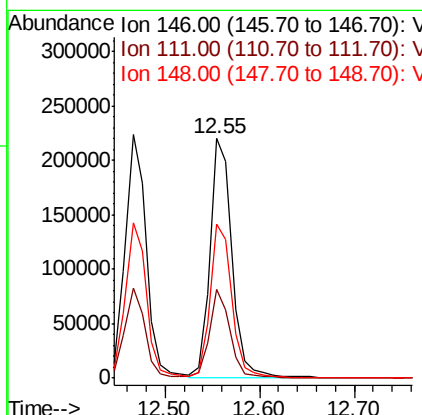
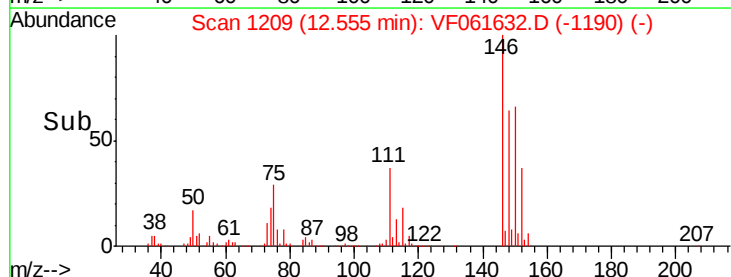
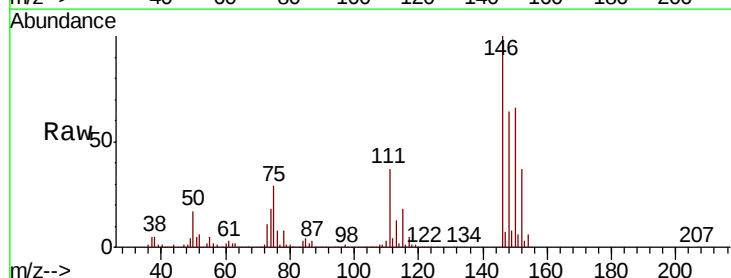
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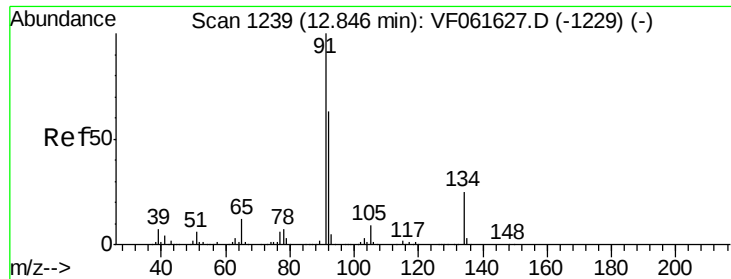
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#88
 1,4-Dichlorobenzene
 Concen: 53.232 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.4
148	64.5	32.2	96.6





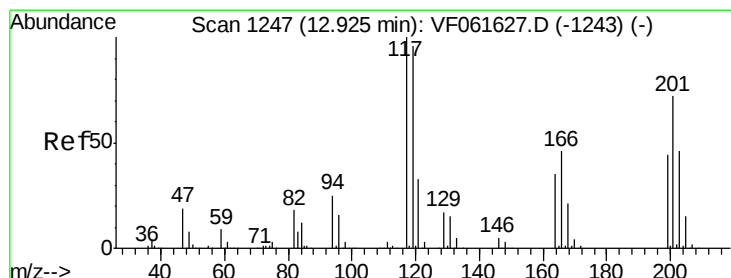
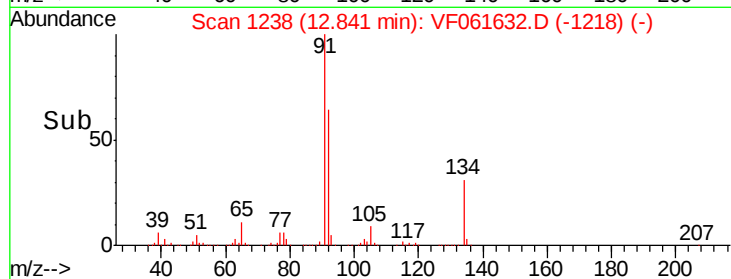
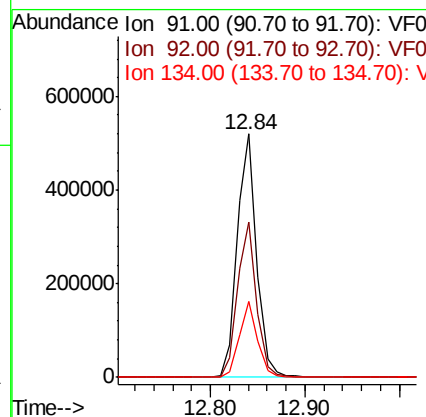
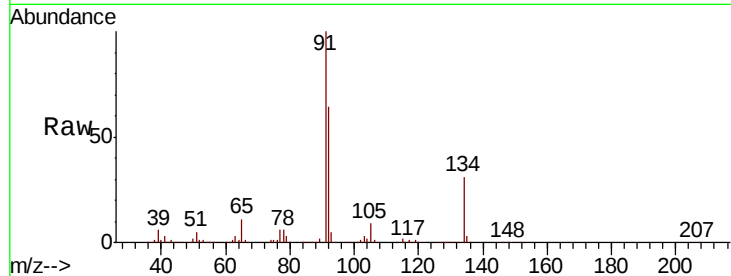
#89
n-Butylbenzene
Concen: 56.502 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	737191		
92	63.9	31.4	94.3	
134	31.2	12.3	36.9	

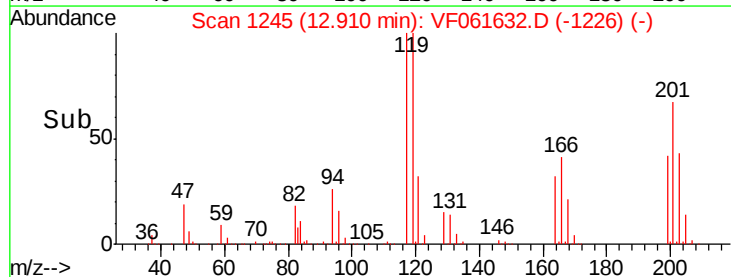
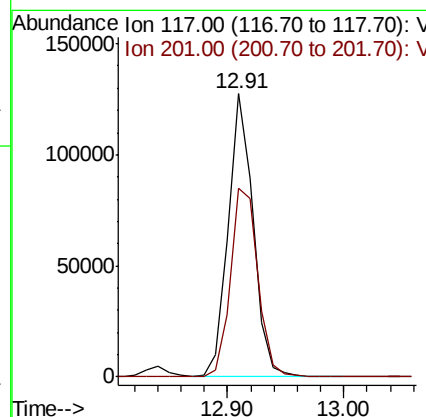
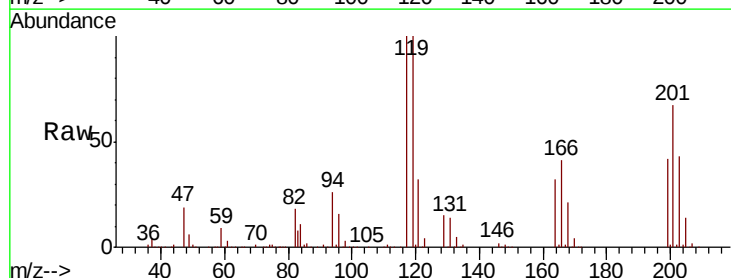
Manual Integrations
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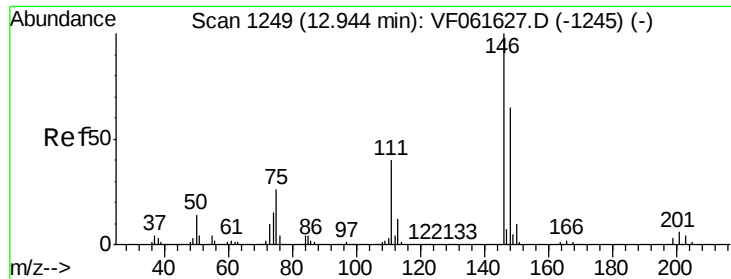
MMDadoda
2/18/2019 12:11:33 AM



#90
Hexachloroethane
Concen: 58.852 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	189121		
201	66.6	36.2	108.6	





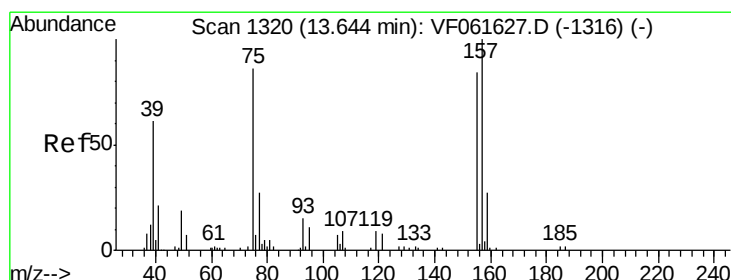
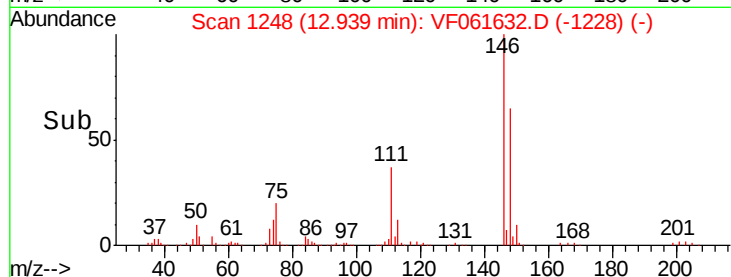
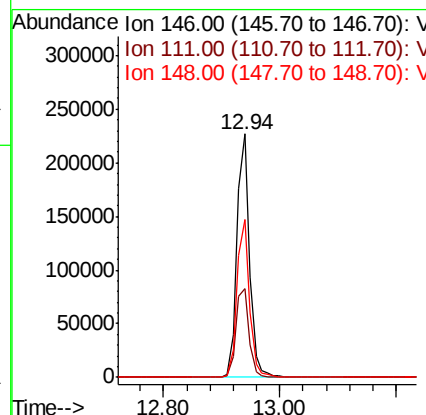
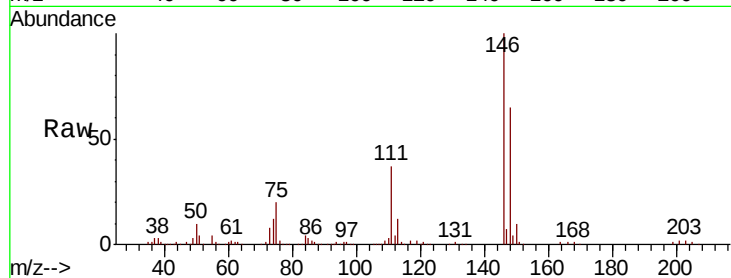
#91
 1,2-Dichlorobenzene
 Concen: 51.399 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	338631		
111	36.6	20.2	60.5	
148	65.0	32.3	96.9	

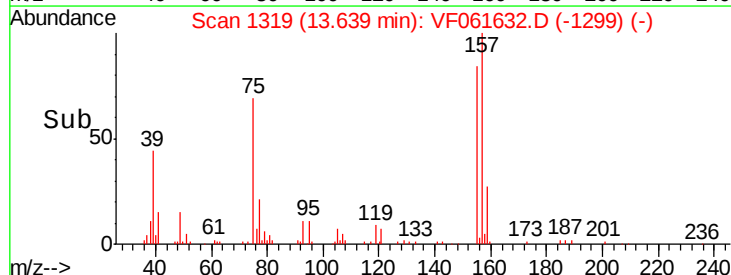
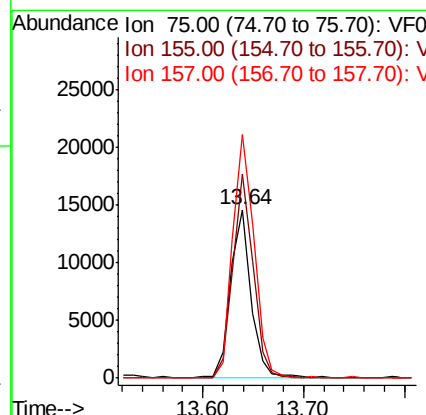
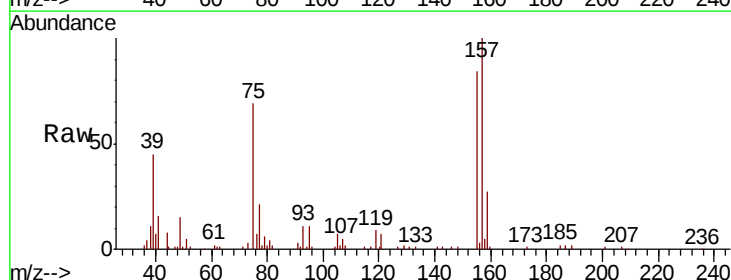
Manual Integrations
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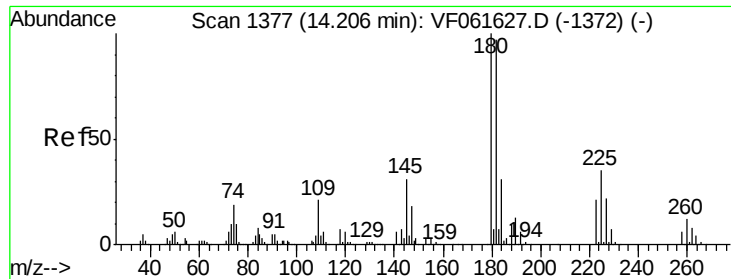
MMDadoda
 2/18/2019 12:11:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.243 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20933		
155	121.0	48.9	146.8	
157	144.4	58.3	174.8	





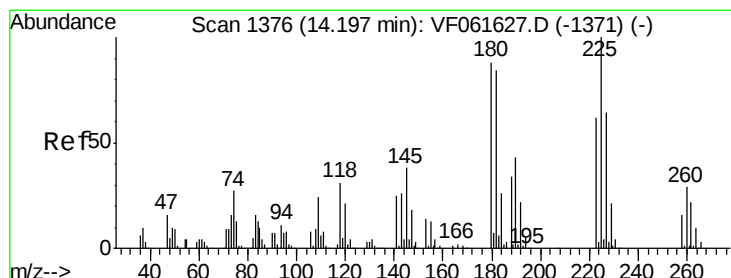
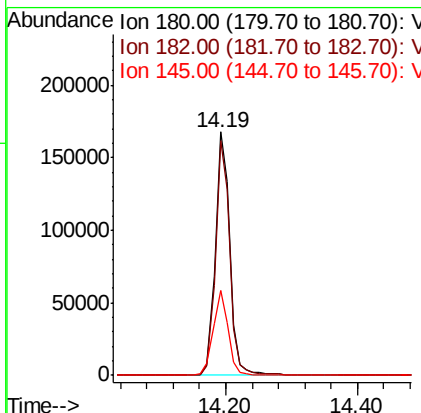
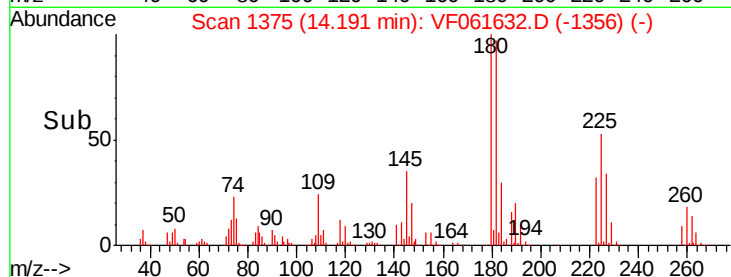
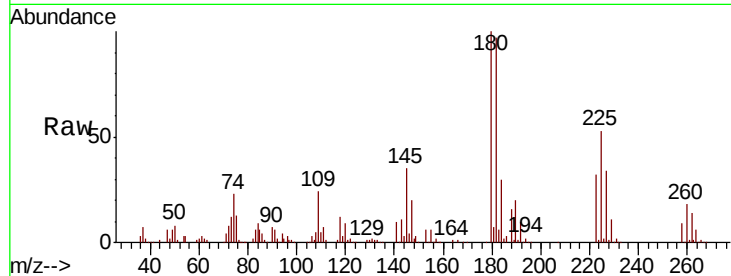
#93
 1,2,4-Trichlorobenzene
 Concen: 54.429 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	257032		
182	96.6	48.6	145.9	
145	35.1	15.3	45.9	

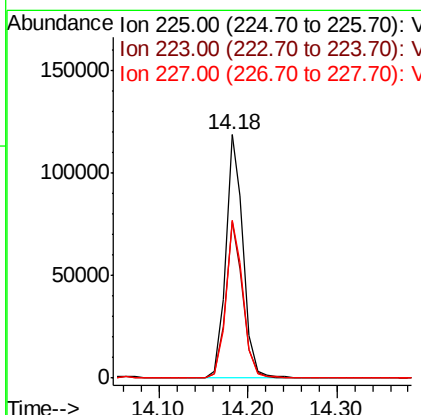
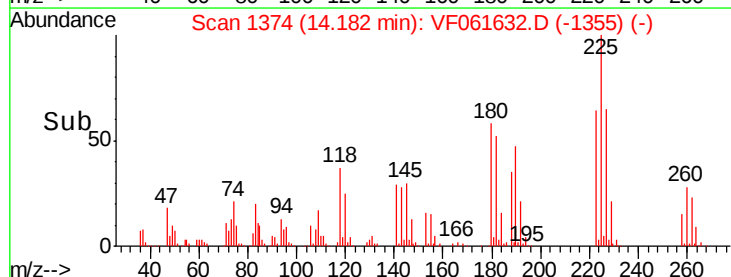
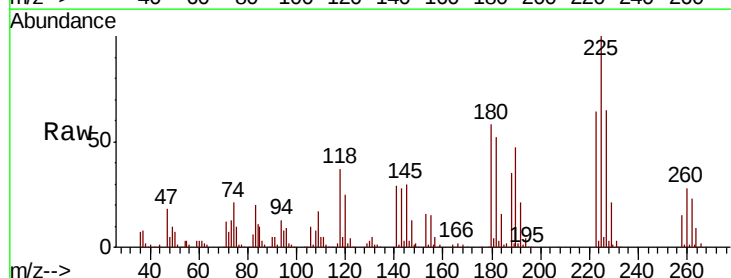
Manual Integrations
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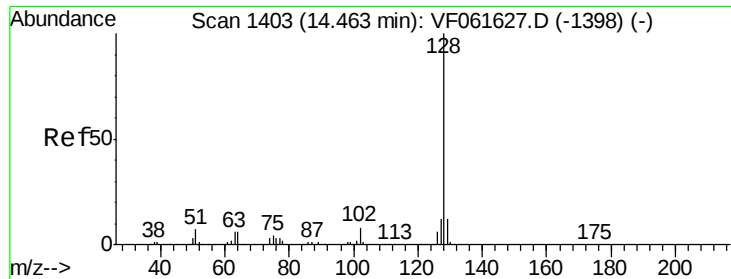
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 2/18/2019 12:11:33 AM



#94
 Hexachlorobutadiene
 Concen: 56.542 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164905		
223	64.3	30.9	92.7	
227	65.0	32.1	96.3	





#95

Naphthalene

Concen: 53.508 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

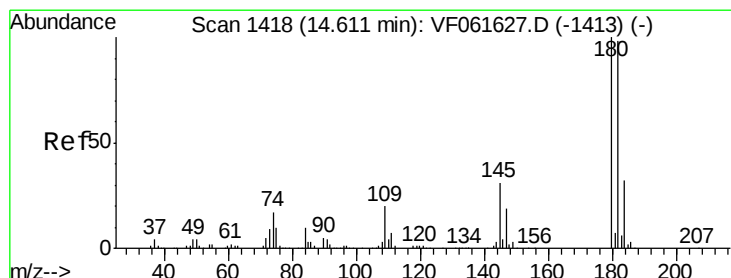
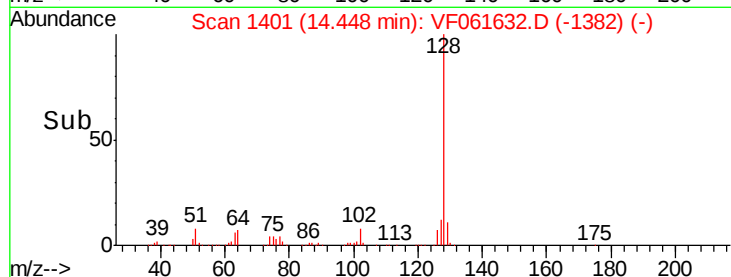
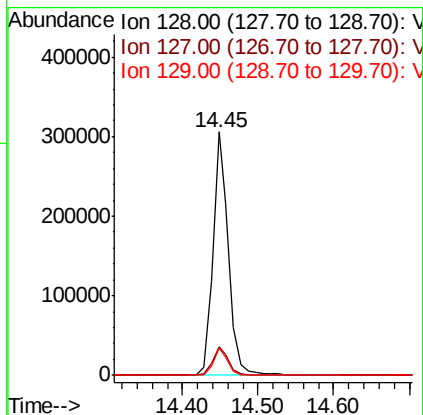
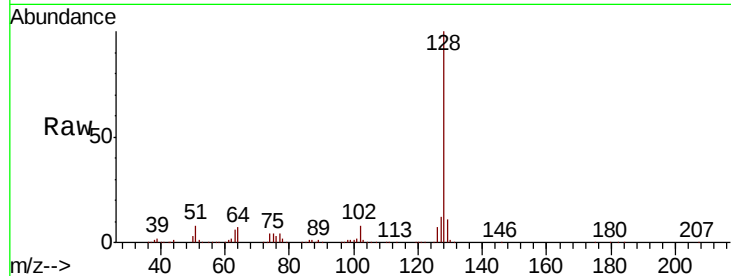
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	442094
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.8	14.6
129	11.4	9.4	14.2

Manual Integrations
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2/18/2019 12:11:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.703 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion:	180	Resp:	232769
Ion Ratio	Lower	Upper	
180	100		
182	96.5	49.0	147.2
145	30.3	15.4	46.1

