

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062125.D
 Acq On : 23 Mar 2019 19:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:41:02 PM

Quant Time: Mar 25 04:25:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	253541	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	393597	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	346196	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	171943	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	95904	50.85	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.70%	
35) Dibromofluoromethane	4.11	113	139434	52.37	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	104.74%	
50) Toluene-d8	7.55	98	401457	50.51	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.41	95	156119	50.88	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	170169	52.391	ug/l	98
3) Chloromethane	1.10	50	180120	52.998	ug/l	95
4) Vinyl Chloride	1.14	62	173665	55.243	ug/l	91
5) Bromomethane	1.32	94	116162	51.404	ug/l	90
6) Chloroethane	1.41	64	82166	51.921	ug/l	94
7) Trichlorofluoromethane	1.49	101	211273m	55.647	ug/l	
8) Diethyl Ether	1.63	74	48351	55.751	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	140613	54.287	ug/l	95
10) Methyl Iodide	1.92	142	273505m	55.566	ug/l	
11) Tert butyl alcohol	2.57	59	27486	264.891	ug/l	99
12) 1,1-Dichloroethene	1.80	96	133637	54.681	ug/l	98
13) Acrolein	2.00	56	36822	295.105	ug/l	97
14) Allyl chloride	2.10	41	141362	54.177	ug/l	98
15) Acrylonitrile	2.94	53	94998	260.353	ug/l	92
16) Acetone	2.23	43	98866	249.090	ug/l	100
17) Carbon Disulfide	1.82	76	403283	54.114	ug/l	97
18) Methyl Acetate	2.34	43	45216	47.757	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	218609	56.596	ug/l	94
20) Methylene Chloride	2.18	84	132465m	55.886	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	137141	58.321	ug/l	92
22) Diisopropyl ether	2.80	45	377985	55.252	ug/l	96
23) Vinyl Acetate	3.18	43	817042	291.701	ug/l	100
24) 1,1-Dichloroethane	2.88	63	223700	54.528	ug/l	99
25) 2-Butanone	4.34	43	222821	268.913	ug/l	97
26) 2,2-Dichloropropane	3.60	77	85590	51.456	ug/l	92
27) cis-1,2-Dichloroethene	3.48	96	171394	55.005	ug/l	96
28) Bromochloromethane	3.71	49	99970	59.642	ug/l	93
29) Tetrahydrofuran	4.07	42	98653	273.837	ug/l	97
30) Chloroform	3.85	83	244005	56.279	ug/l	99
31) Cyclohexane	3.69	56	242246m	56.538	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	141156	53.522	ug/l	99
36) 1,1-Dichloropropene	4.28	75	209275	55.821	ug/l	95
37) Ethyl Acetate	4.11	43	84452	51.545	ug/l	91
38) Carbon Tetrachloride	3.99	117	135308	52.954	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	250197	57.502	ug/l	97
40) Benzene	4.63	78	552785	55.002	ug/l	97
41) Methacrylonitrile	4.74	41	46996	54.211	ug/l	96
42) 1,2-Dichloroethane	4.94	62	128673	54.140	ug/l	100
43) Isopropyl Acetate	6.96	43	102826	51.822	ug/l	100
44) Trichloroethene	5.50	130	165327	53.805	ug/l	99
45) 1,2-Dichloropropane	6.23	63	131749	54.962	ug/l	99
46) Dibromomethane	6.08	93	81349	55.503	ug/l	94
47) Bromodichloromethane	6.39	83	182386	56.180	ug/l	94
48) Methyl methacrylate	6.71	41	62336	55.176	ug/l	95
49) 1,4-Dioxane	6.70	88	11499	1159.963	ug/l	91
51) 4-Methyl-2-Pentanone	8.25	43	355488	267.675	ug/l	96
52) Toluene	7.62	92	337178	57.922	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	141658	55.584	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	203798	55.888	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	92444	55.908	ug/l	96
56) Ethyl methacrylate	8.61	69	112581	57.090	ug/l	98
57) 1,3-Dichloropropane	8.85	76	150924	54.995	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	99648	333.011	ug/l	99
59) 2-Hexanone	9.49	43	262105	269.283	ug/l	96
60) Dibromochloromethane	8.71	129	131758	57.320	ug/l	98
61) 1,2-Dibromoethane	8.98	107	98749	55.978	ug/l	98
64) Tetrachloroethene	8.15	164	145520	54.407	ug/l	95
65) Chlorobenzene	9.79	112	352924	54.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	143530	55.163	ug/l	97
67) Ethyl Benzene	9.90	91	620478	55.080	ug/l	99
68) m/p-Xylenes	10.12	106	450461	106.987	ug/l	97
69) o-Xylene	10.71	106	242266	54.938	ug/l	98
70) Styrene	10.78	104	332200	49.720	ug/l	98
71) Bromoform	10.76	173	68158	51.213	ug/l	97
73) Isopropylbenzene	11.12	105	688783	56.929	ug/l	99
74) N-amyl acetate	11.37	43	171529	59.499	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	114524	55.128	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	77578	53.063	ug/l	99
77) Bromobenzene	11.49	156	153963	52.086	ug/l	92
78) n-propylbenzene	11.59	91	769439	54.768	ug/l	97
79) 2-Chlorotoluene	11.71	91	438859	56.200	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	569252	57.200	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	31604m	53.051	ug/l	
82) 4-Chlorotoluene	11.90	91	428204	53.481	ug/l	97
83) tert-Butylbenzene	12.13	119	603230	57.903	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	541900	55.545	ug/l	99
85) sec-Butylbenzene	12.30	105	735739	54.592	ug/l	100
86) p-Isopropyltoluene	12.46	119	661012	56.612	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	297594	54.188	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	294962	55.041	ug/l	99
89) n-Butylbenzene	12.85	91	606426	54.438	ug/l	98
90) Hexachloroethane	12.91	117	158058	56.850	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	283415	54.960	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18644	59.231	ug/l	66

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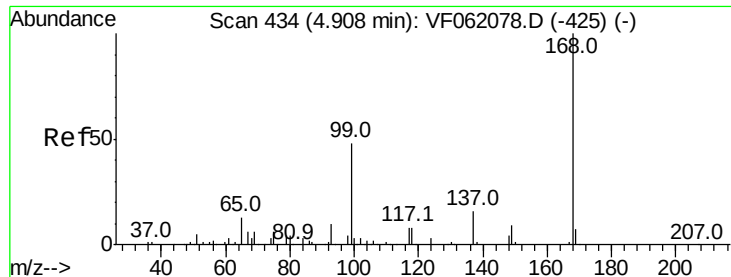
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	203706	56.679	ug/l	97
94) Hexachlorobutadiene	14.19	225	135527	56.713	ug/l	97
95) Naphthalene	14.45	128	359482	57.077	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	192069	57.092	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 253541

Ion Ratio Lower Upper

168 100

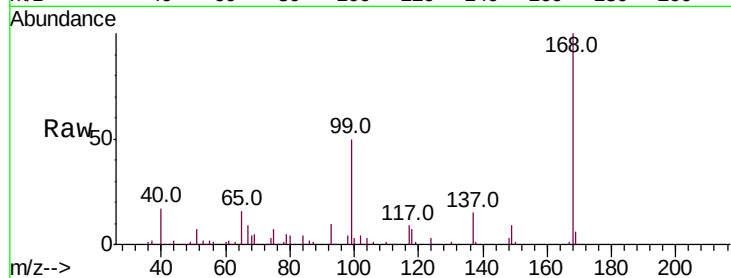
99 50.2 38.2 57.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

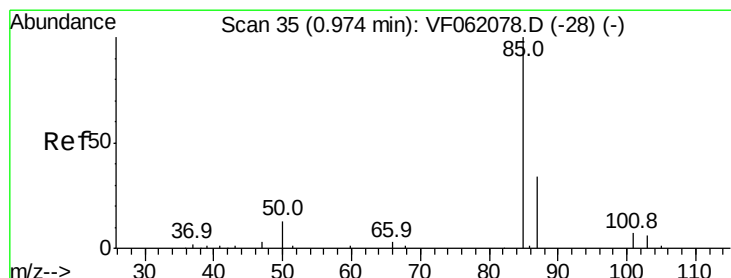
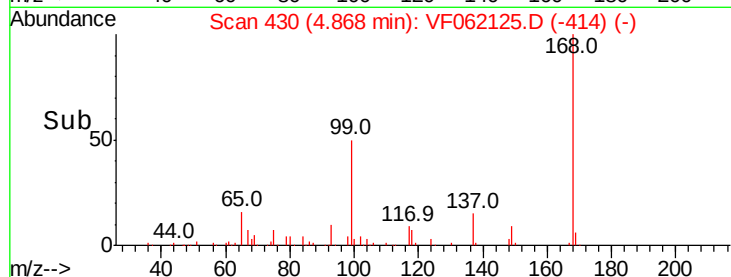
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.391 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062125.D

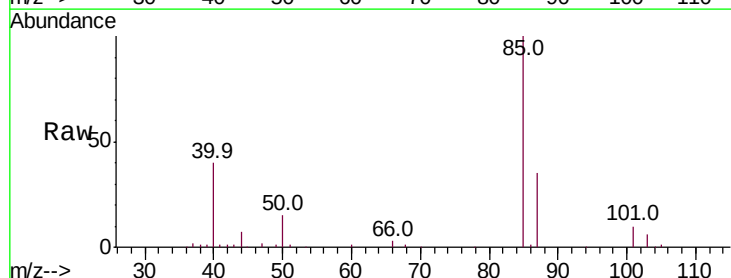
Acq: 23 Mar 2019 19:28

Tgt Ion: 85 Resp: 170169

Ion Ratio Lower Upper

85 100

87 34.9 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

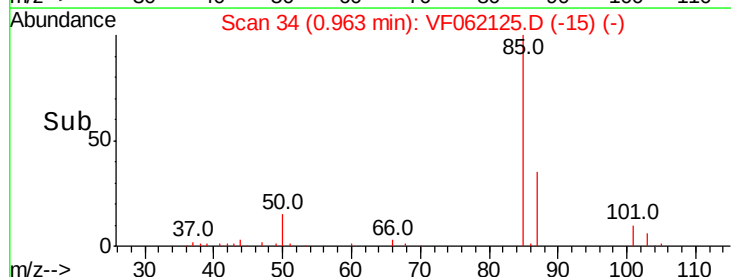
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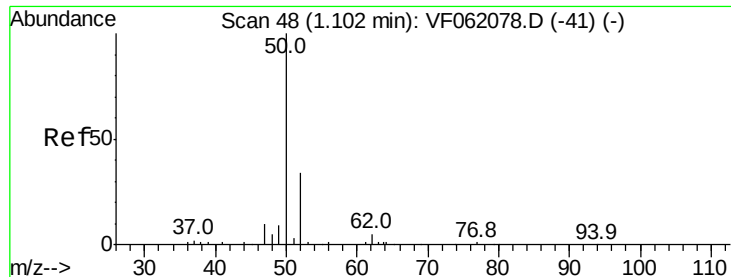
20000

10000

0

Time-->





#3

Chloromethane

Concen: 52.998 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 180120

Ion Ratio Lower Upper

50 100

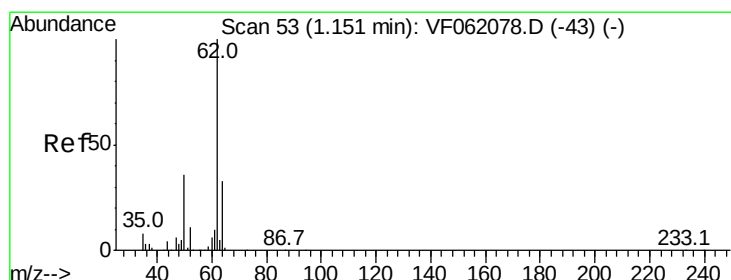
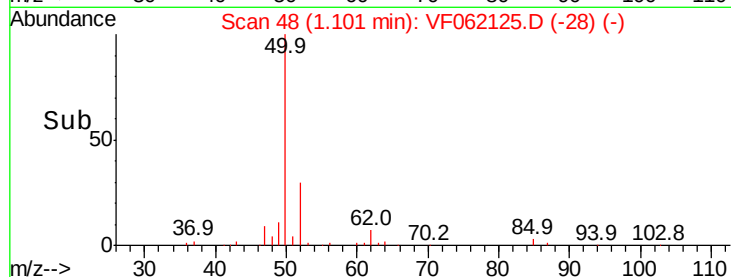
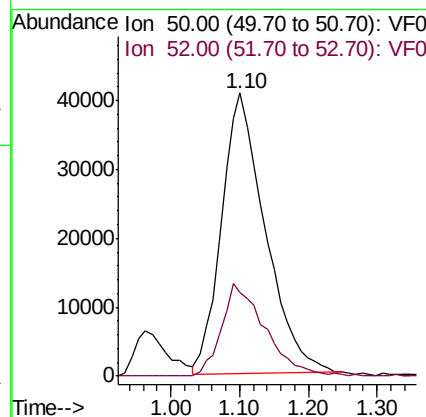
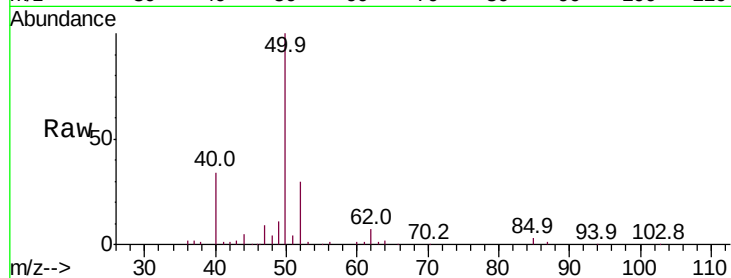
52 29.7 26.1 39.1

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#4

Vinyl Chloride

Concen: 55.243 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062125.D

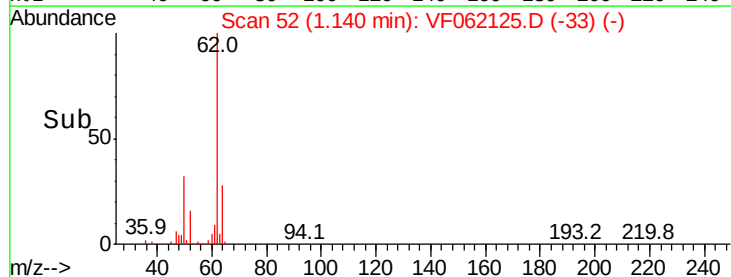
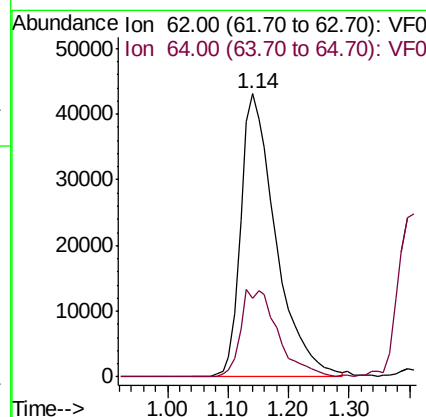
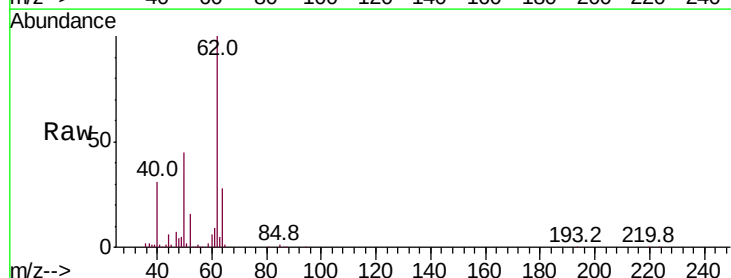
Acq: 23 Mar 2019 19:28

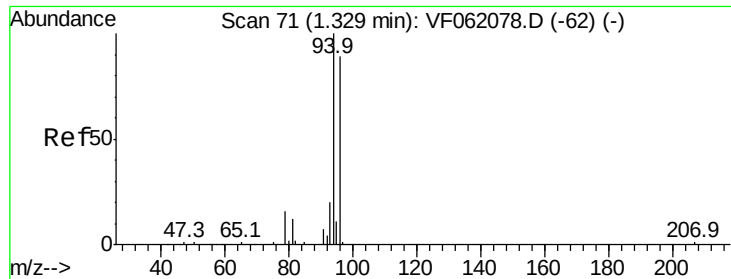
Tgt Ion: 62 Resp: 173665

Ion Ratio Lower Upper

62 100

64 27.8 26.2 39.2





#5

Bromomethane

Concen: 51.404 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 116162

Ion Ratio Lower Upper

94 100

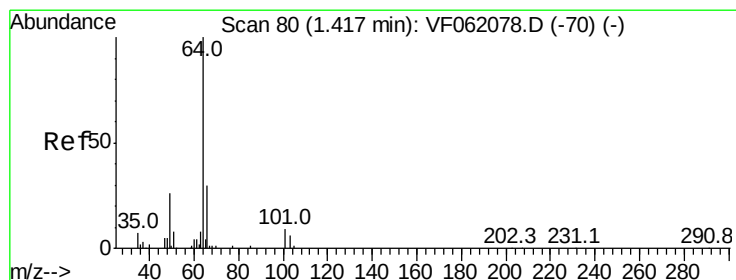
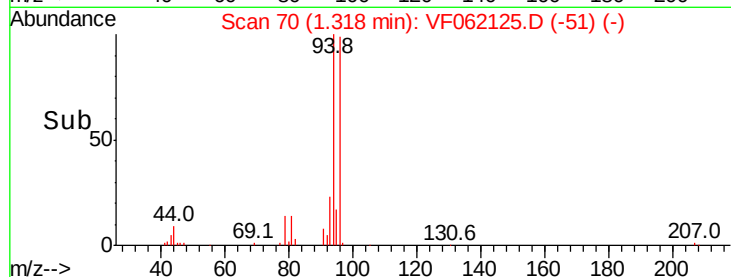
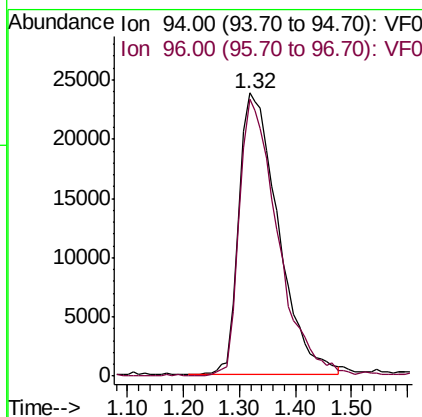
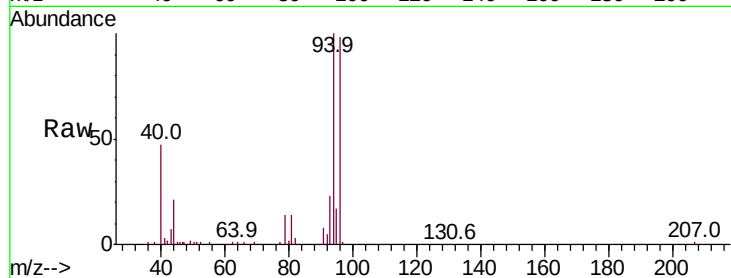
96 98.0 70.9 106.3

Manual Integrations

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#6

Chloroethane

Concen: 51.921 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062125.D

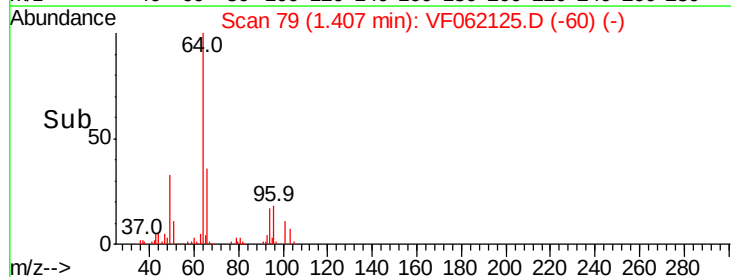
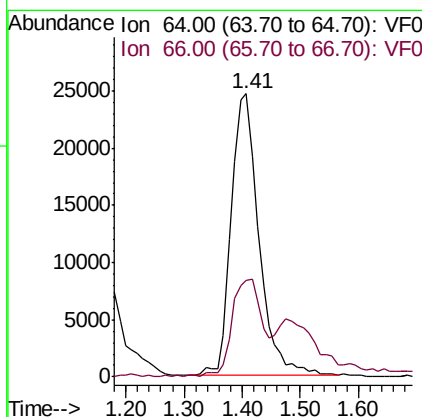
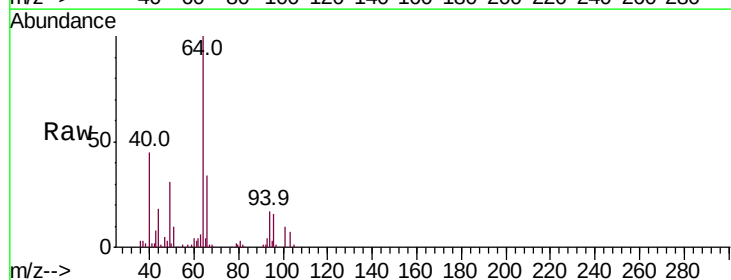
Acq: 23 Mar 2019 19:28

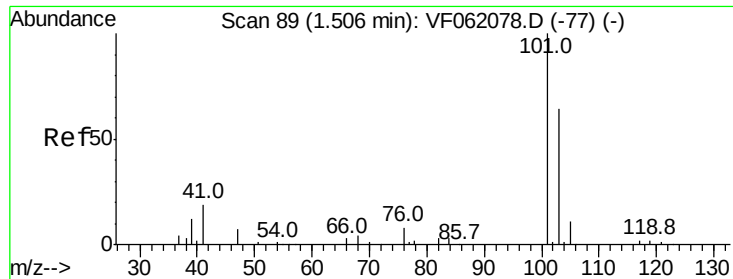
Tgt Ion: 64 Resp: 82166

Ion Ratio Lower Upper

64 100

66 34.1 24.5 36.7





#7

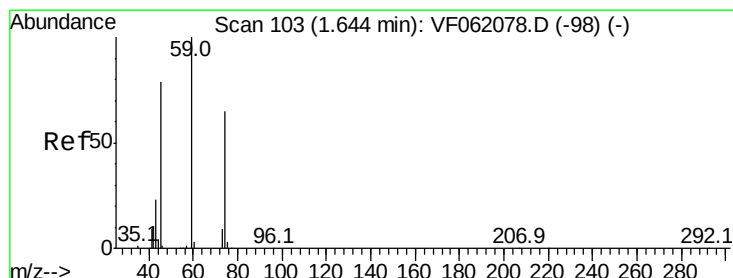
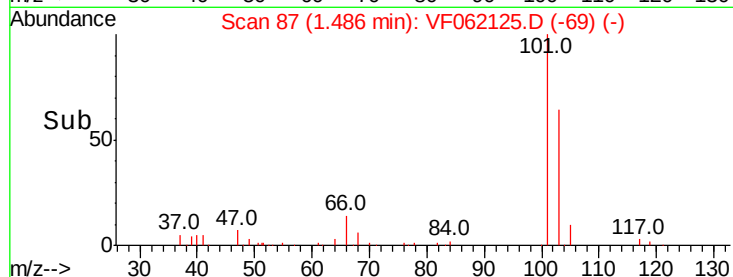
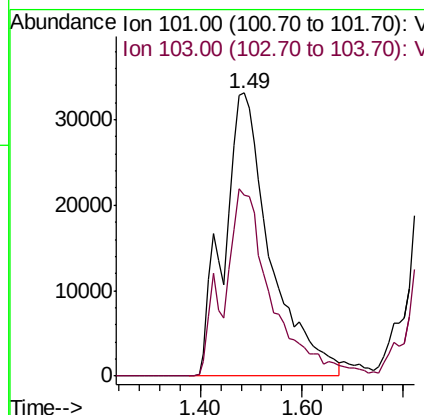
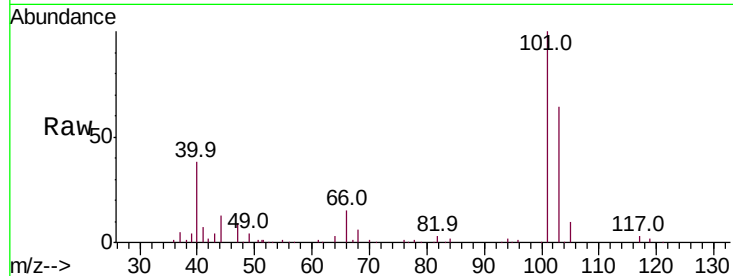
Trichlorofluoromethane
Concen: 55.647 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 211273
Ion Ratio Lower Upper
101 100
103 63.9 51.5 77.3

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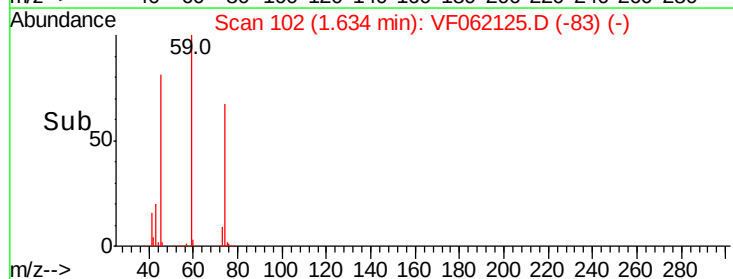
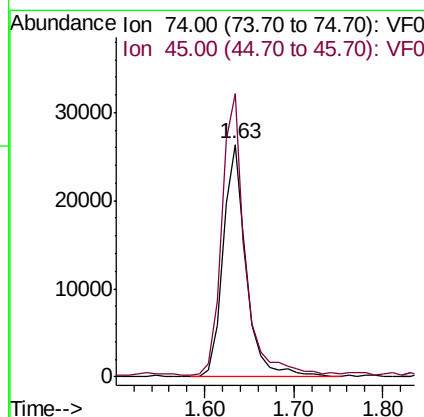
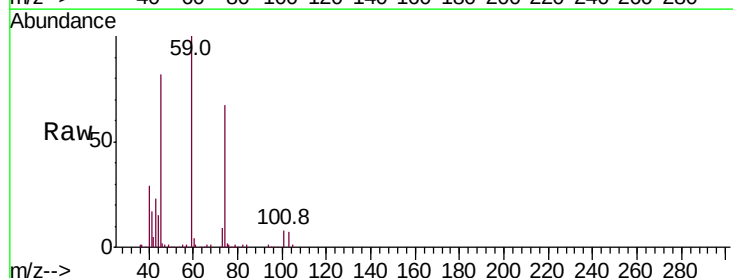
MMDadoda
3/25/2019 12:41:02 PM

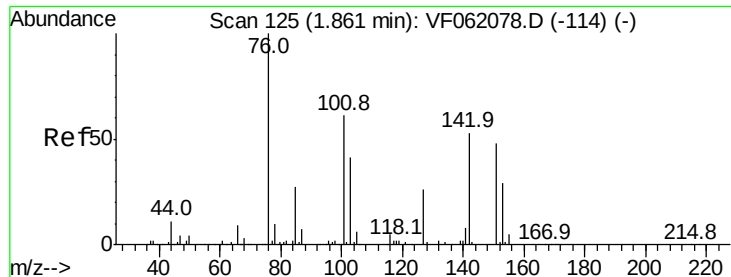


#8

Diethyl Ether
Concen: 55.751 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 74 Resp: 48351
Ion Ratio Lower Upper
74 100
45 121.7 61.4 184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.287 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.01 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

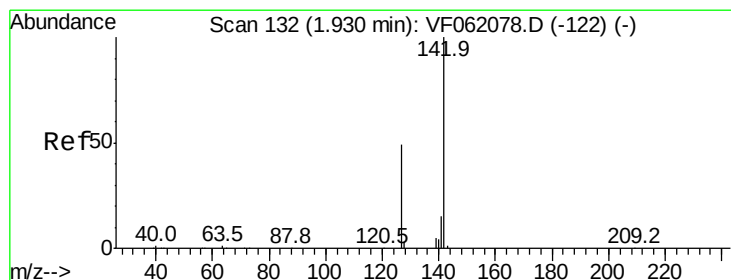
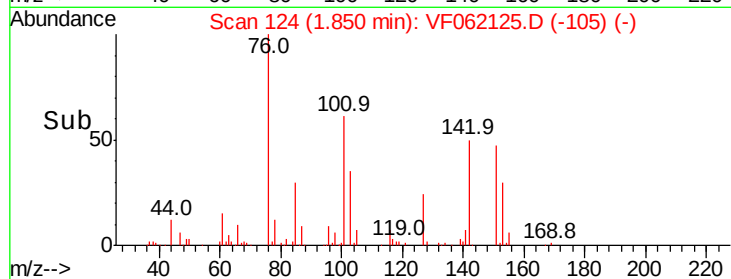
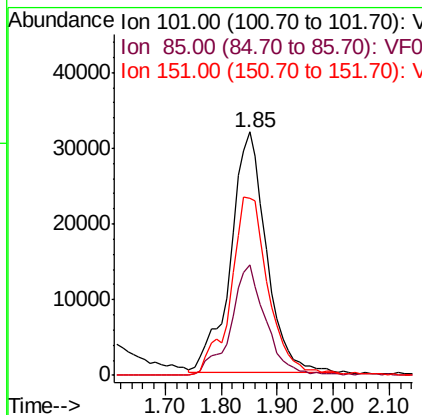
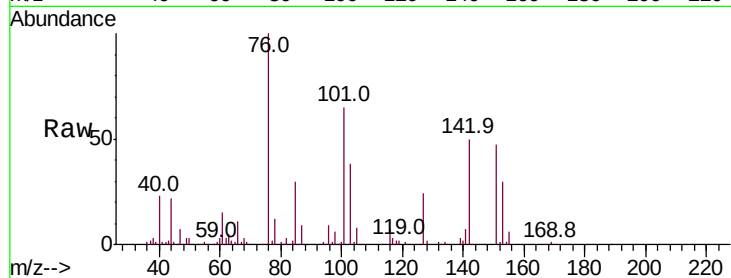
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	140613
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.6	52.0
151	72.5	61.7	92.5

Manual Integrations
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#10

Methyl Iodide

Concen: 55.566 ug/l m

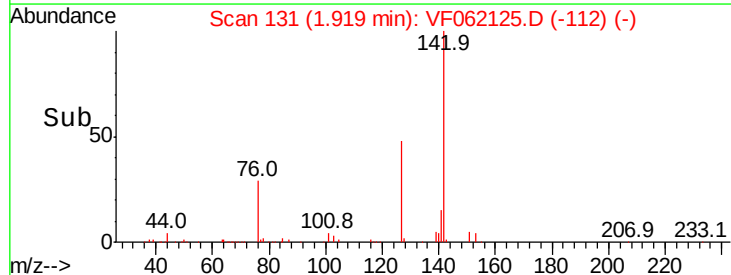
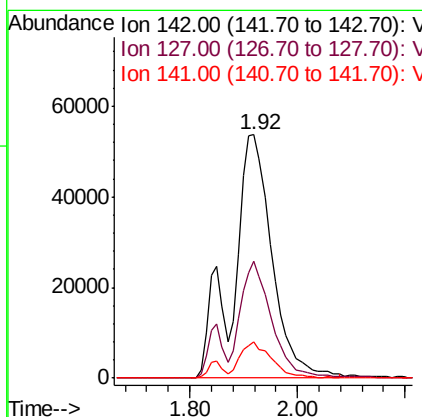
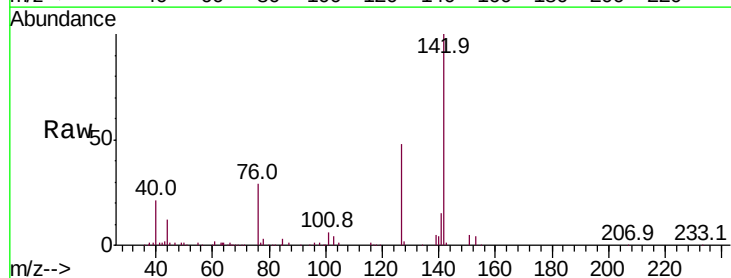
RT: 1.92 min Scan# 131

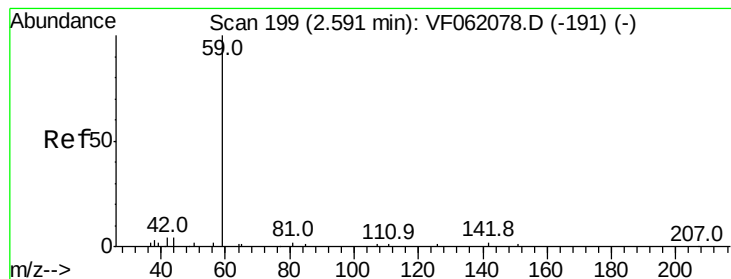
Delta R.T. -0.01 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	142	Resp:	273505
Ion Ratio	Lower	Upper	
142	100		
127	48.2	39.1	58.7
141	14.8	12.2	18.4





#11

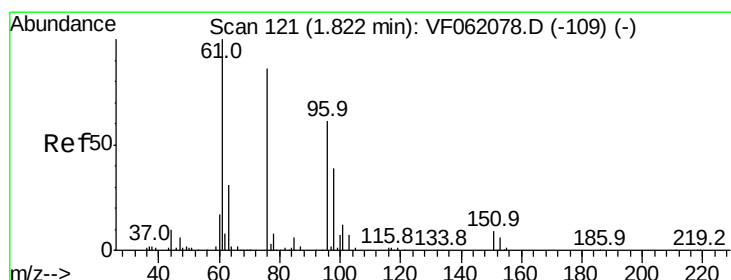
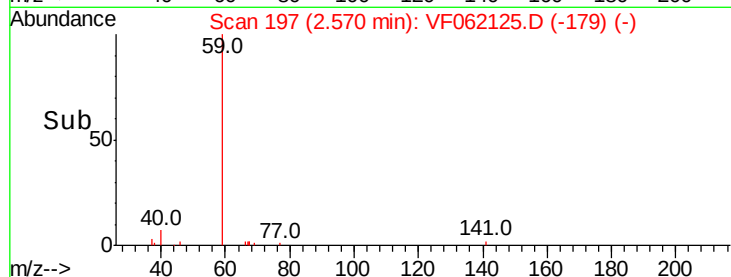
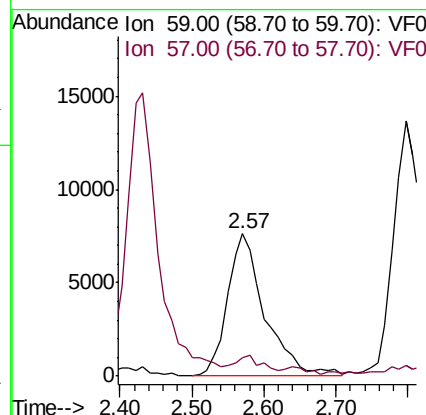
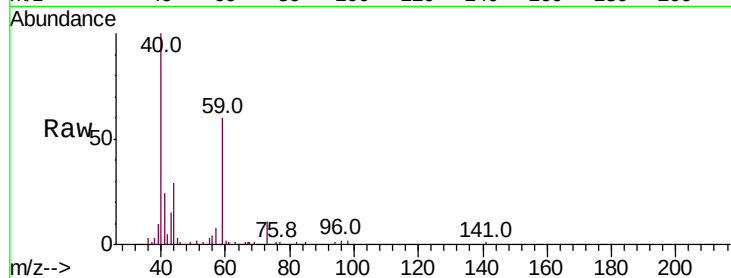
Tert butyl alcohol
Concen: 264.891 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.2	11.0	16.4

Manual Integrations
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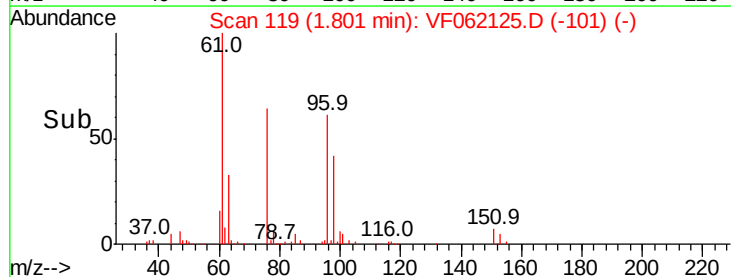
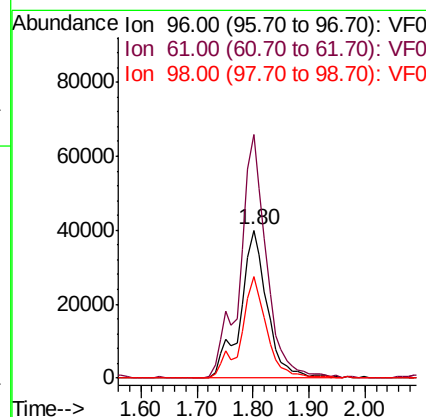
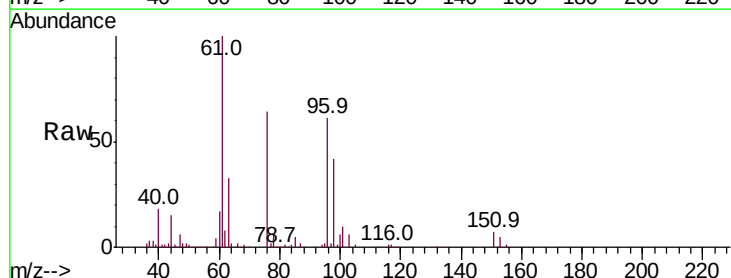
MMDadoda
3/25/2019 12:41:02 PM

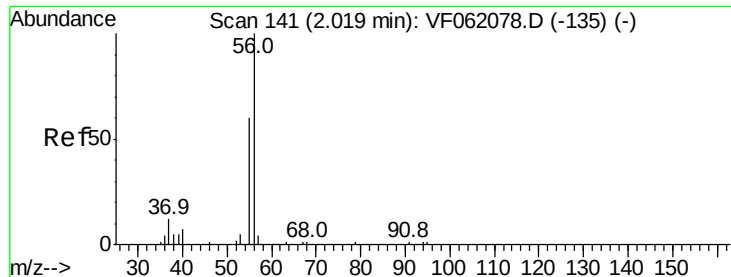


#12

1,1-Dichloroethene
Concen: 54.681 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	131.0	196.6
98	68.5	51.5	77.3





#13

Acrolein

Concen: 295.105 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 36822

Ion Ratio Lower Upper

56 100

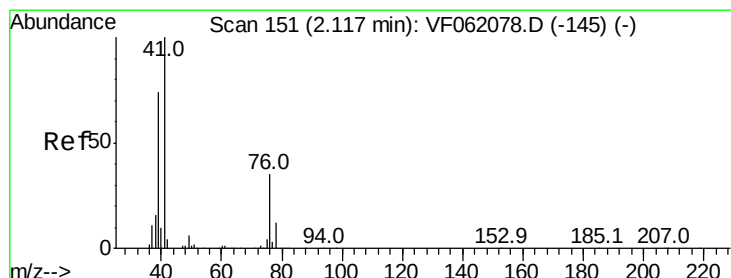
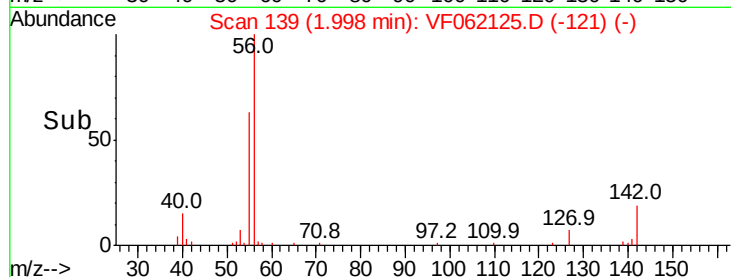
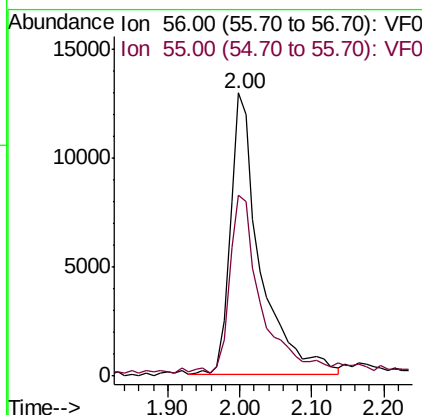
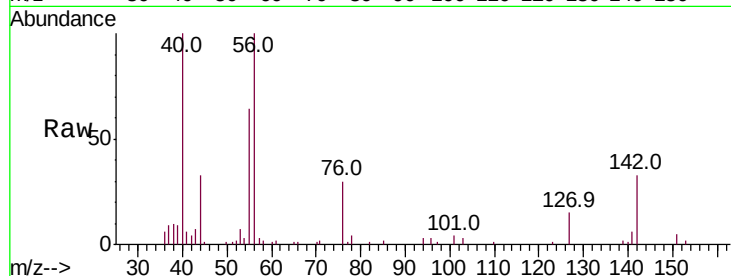
55 63.8 49.0 73.4

Manual Integrations

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#14

Allyl chloride

Concen: 54.177 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

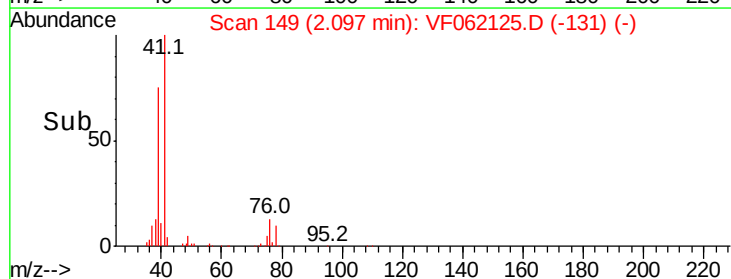
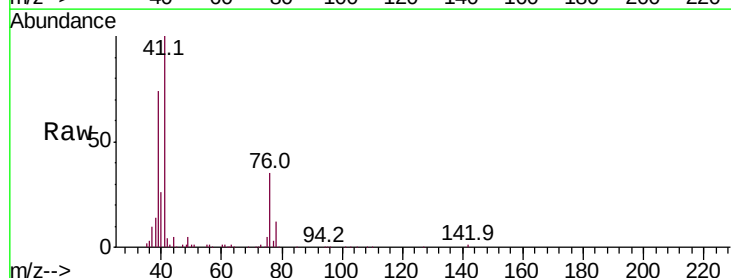
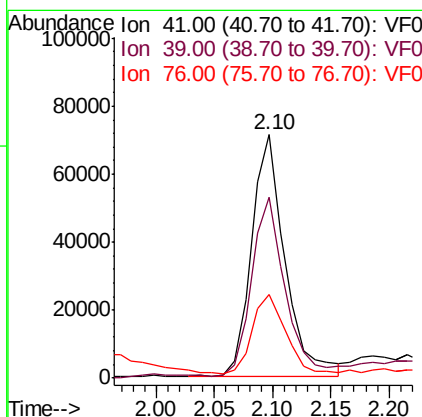
Tgt Ion: 41 Resp: 141362

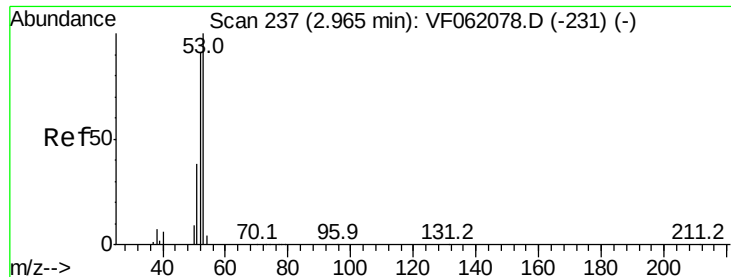
Ion Ratio Lower Upper

41 100

39 74.5 59.8 89.8

76 34.6 30.0 45.0





#15

Acrylonitrile

Concen: 260.353 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

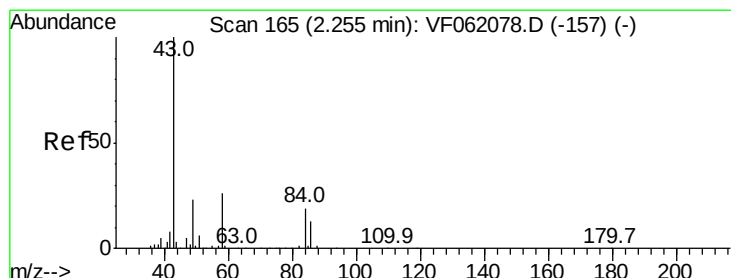
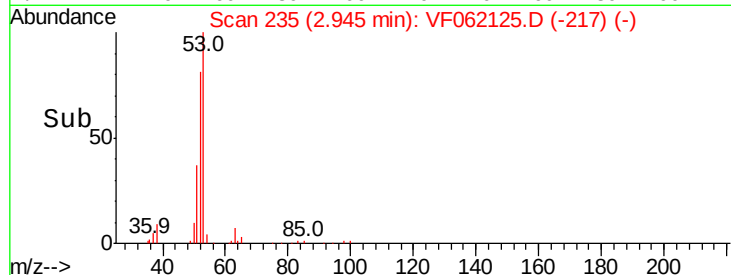
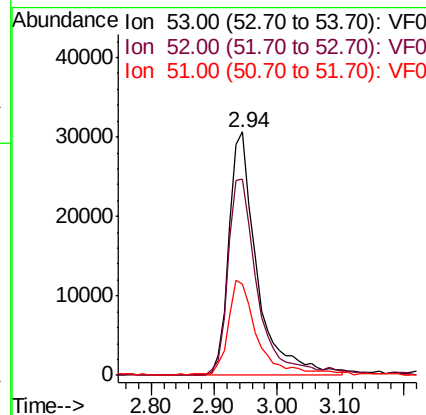
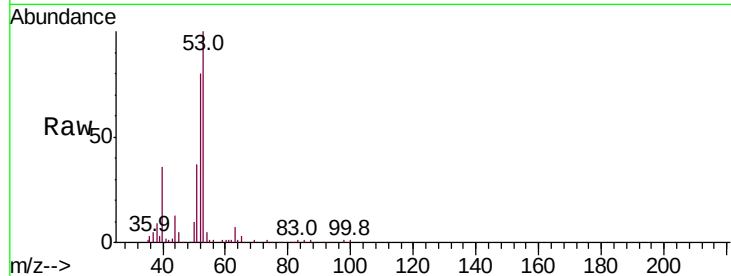
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	94998
Ion	Ratio	Lower	Upper
53	100		
52	80.4	72.3	108.5
51	37.2	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 249.090 ug/l

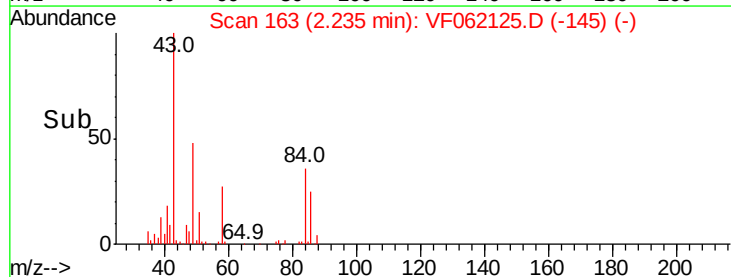
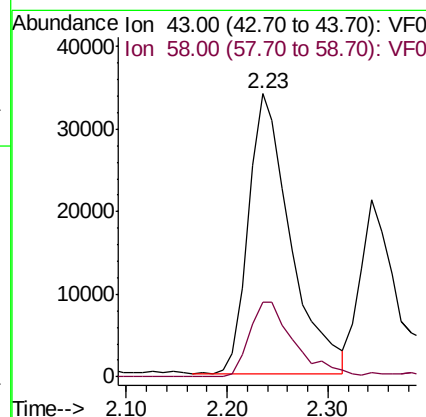
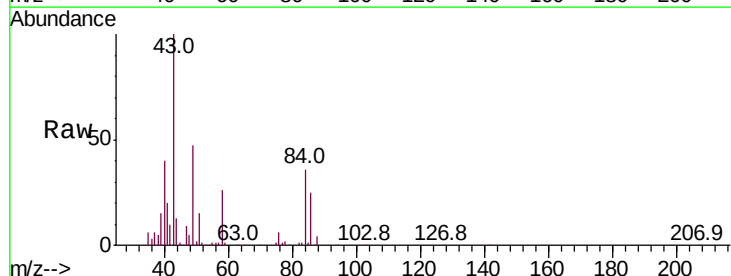
RT: 2.23 min Scan# 163

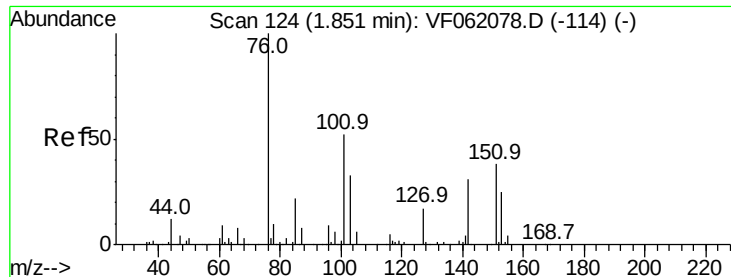
Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	43	Resp:	98866
Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.8	31.2





#17

Carbon Disulfide

Concen: 54.114 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 403283

Ion Ratio Lower Upper

76 100

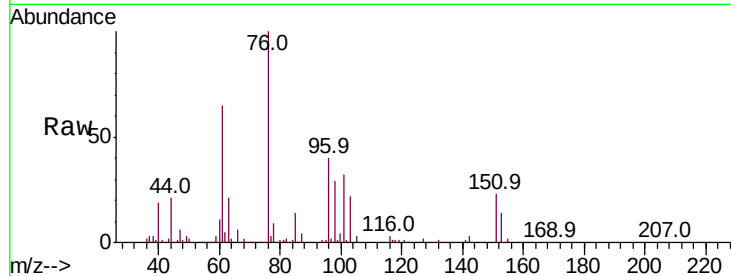
78 8.9 7.9 11.9

Manual Integrations

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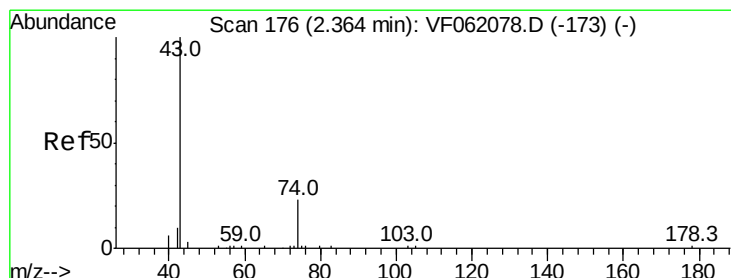
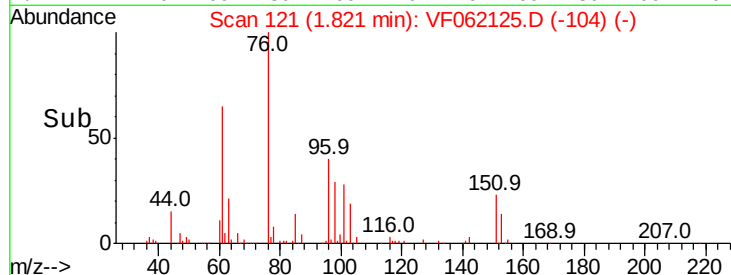
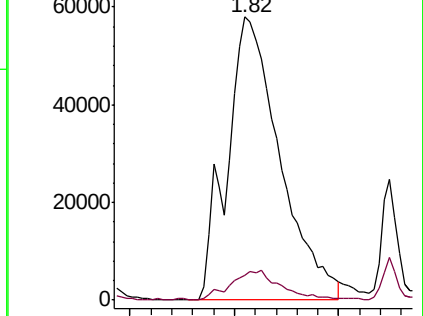
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 47.757 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF062125.D

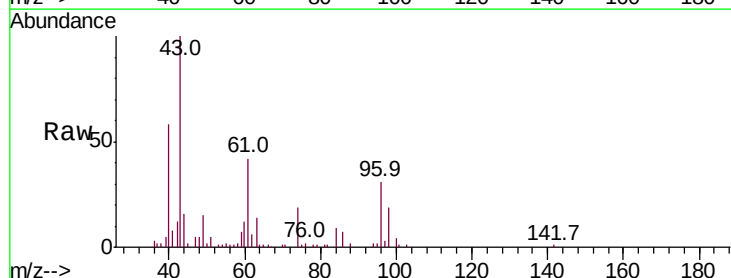
Acq: 23 Mar 2019 19:28

Tgt Ion: 43 Resp: 45216

Ion Ratio Lower Upper

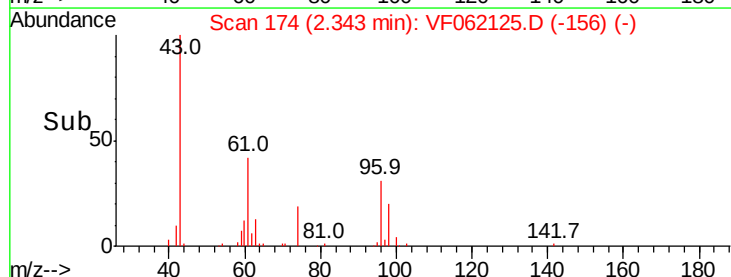
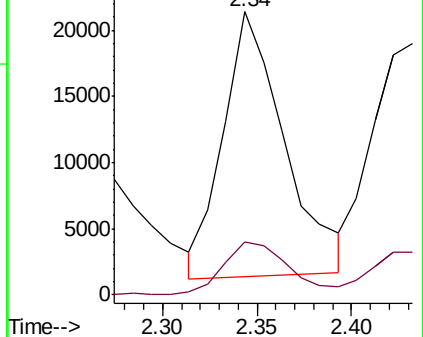
43 100

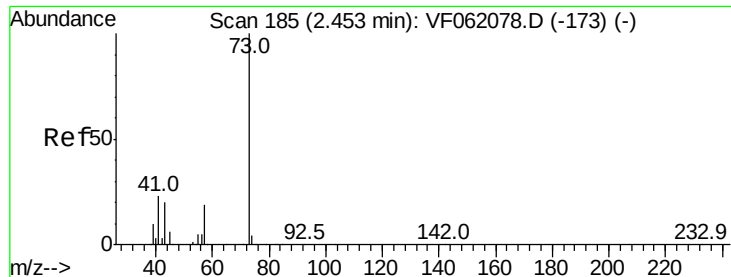
74 18.7 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

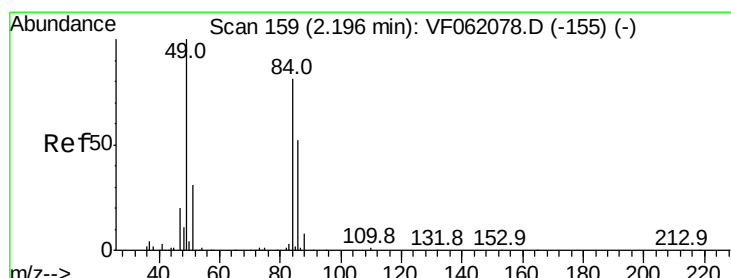
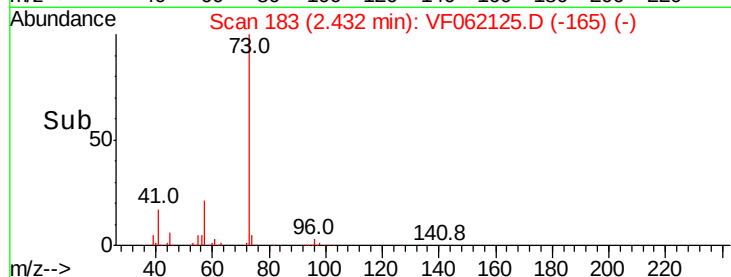
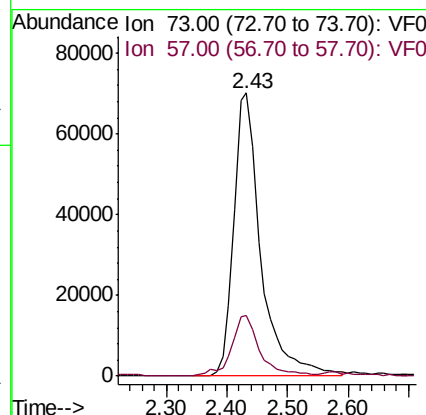
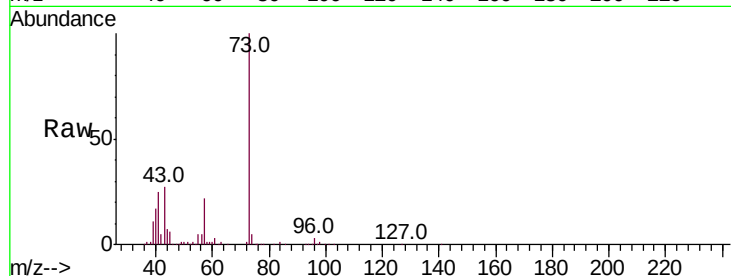
Methyl tert-butyl Ether
 Concen: 56.596 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	15.1	22.7

Manual Integrations
 APPROVED

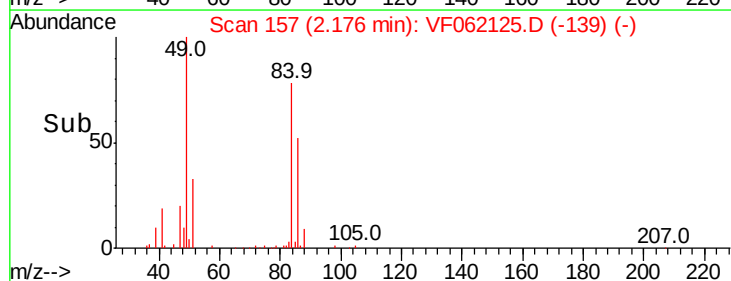
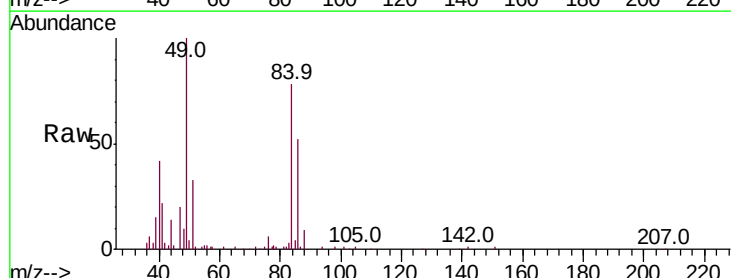
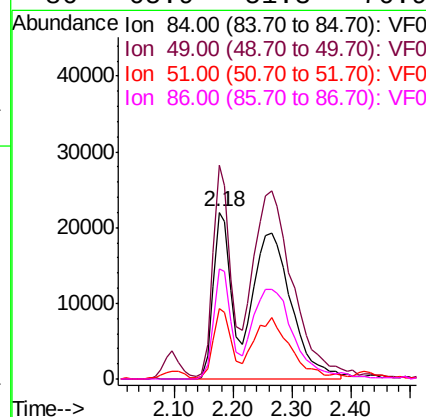
MMDadoda
 3/25/2019 12:41:02 PM

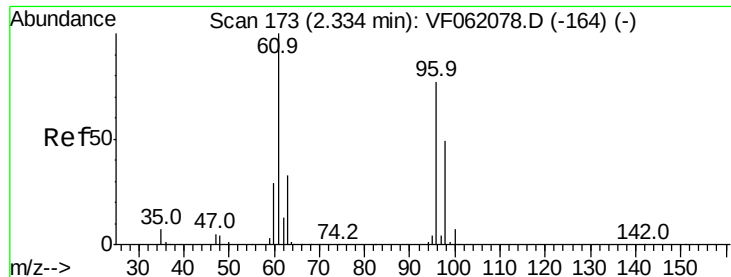


#20

Methylene Chloride
 Concen: 55.886 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.0	100.4	150.6
51	42.3	31.0	46.6
86	65.9	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 58.321 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

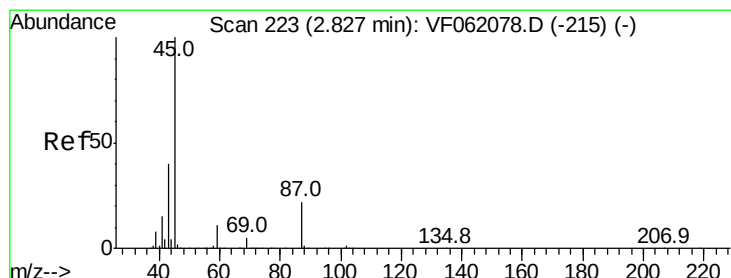
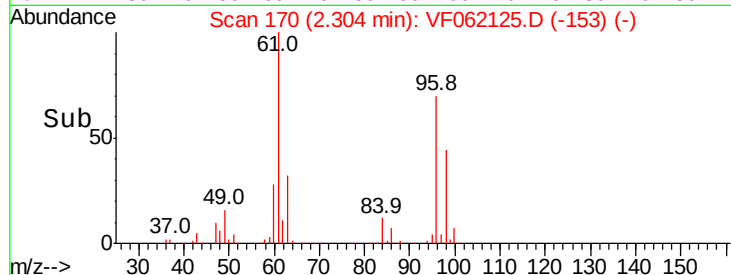
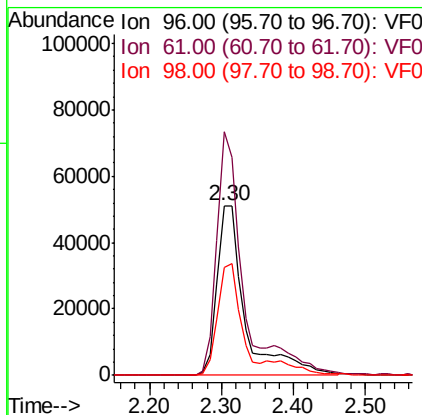
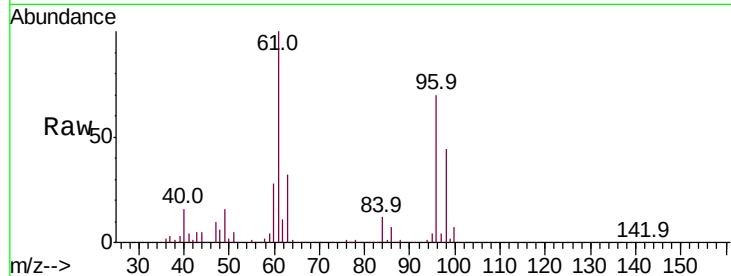
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	137141
Ion	Ratio	Lower	Upper
96	100		
61	143.3	104.5	156.7
98	63.4	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.252 ug/l

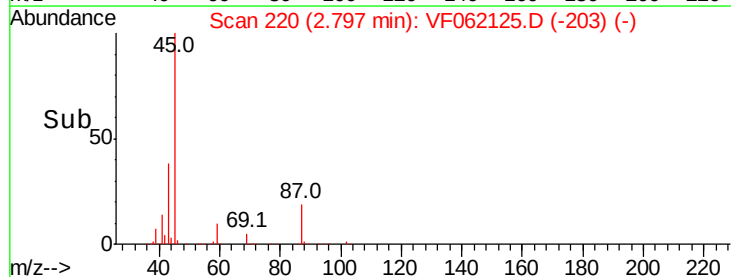
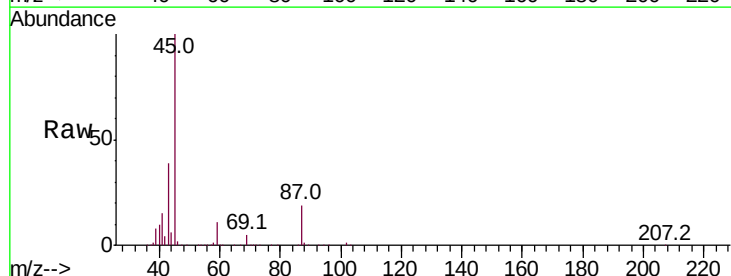
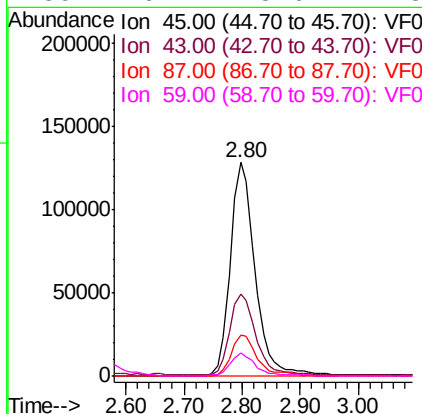
RT: 2.80 min Scan# 220

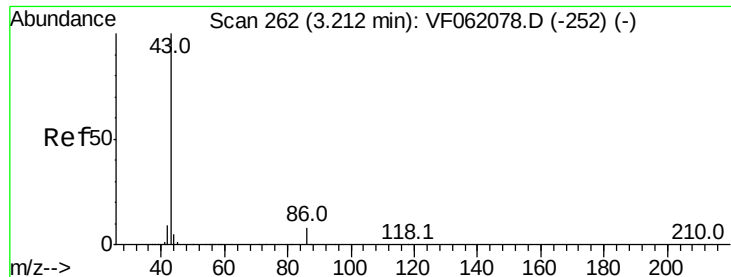
Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	45	Resp:	377985
Ion	Ratio	Lower	Upper
45	100		
43	38.6	32.5	48.7
87	18.9	17.4	26.2
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 291.701 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 817042

Ion Ratio Lower Upper

43 100

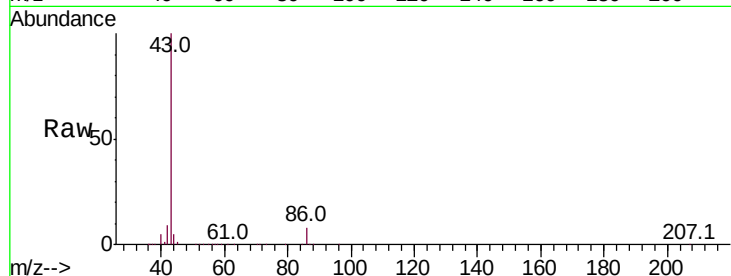
86 8.3 6.8 10.2

Manual Integrations

APPROVED

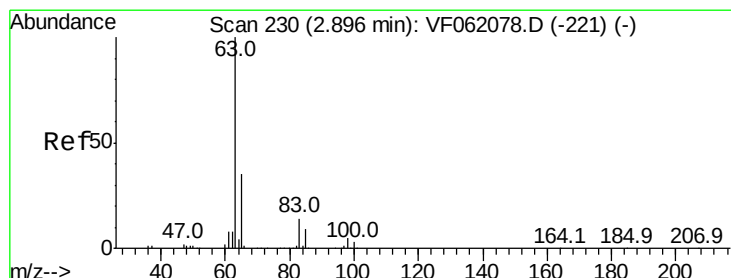
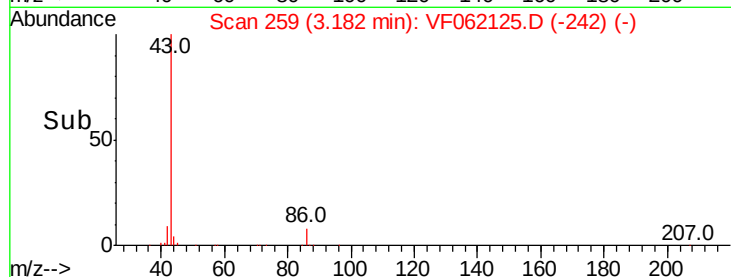
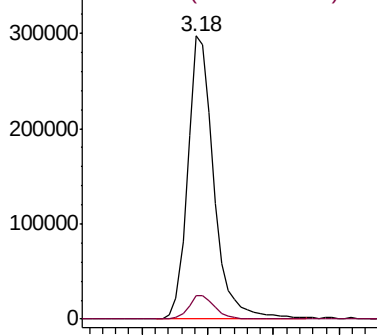
MMDadoda

3/25/2019 12:41:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.528 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

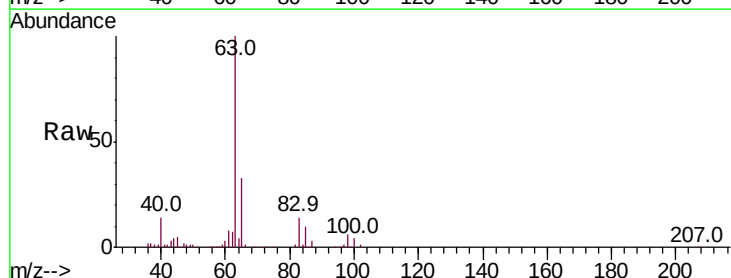
Tgt Ion: 63 Resp: 223700

Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

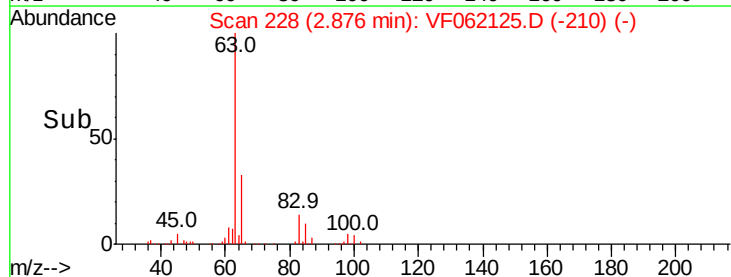
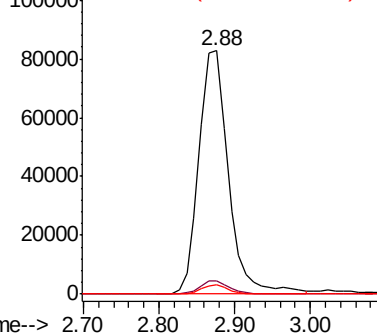
100 3.7 1.7 5.1

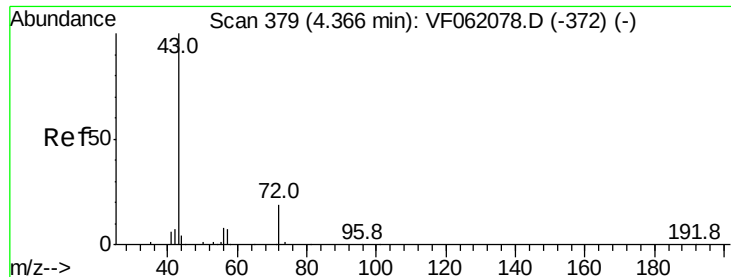


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 268.913 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 222821

Ion Ratio Lower Upper

43 100

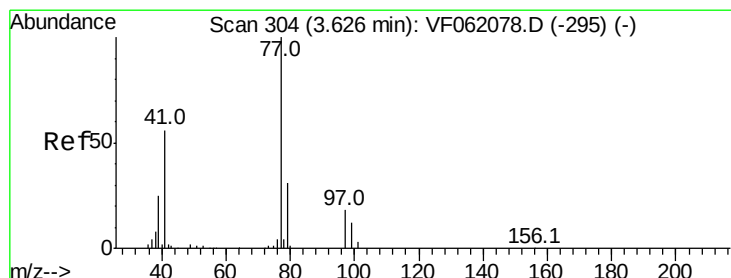
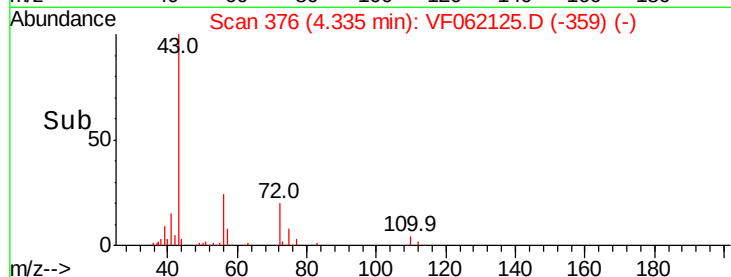
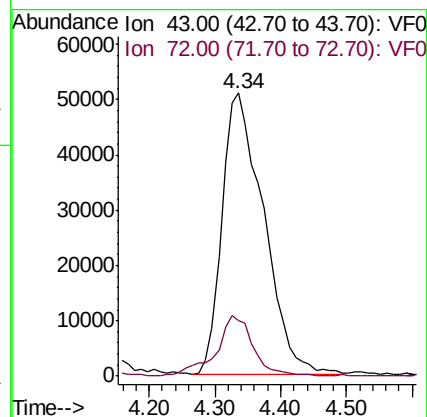
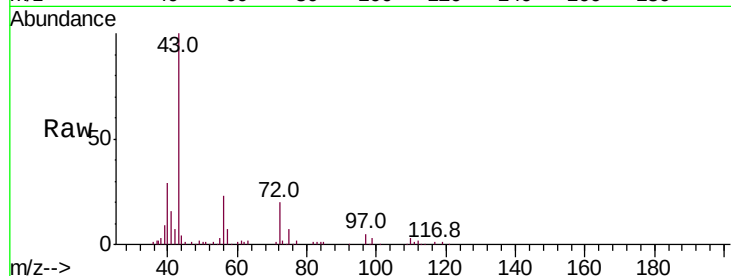
72 19.6 16.7 25.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.456 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.03 min

Lab File: VF062125.D

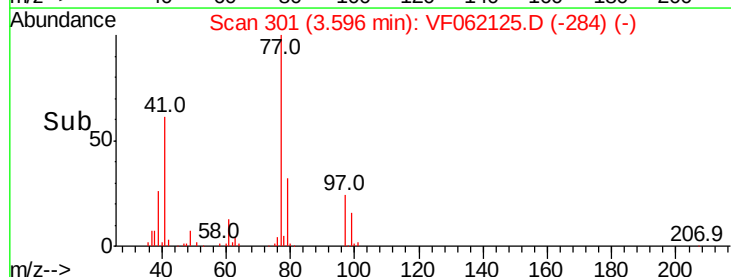
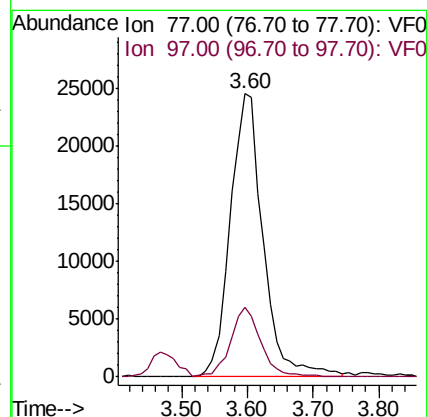
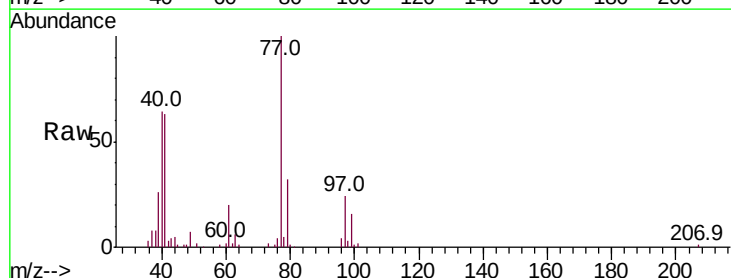
Acq: 23 Mar 2019 19:28

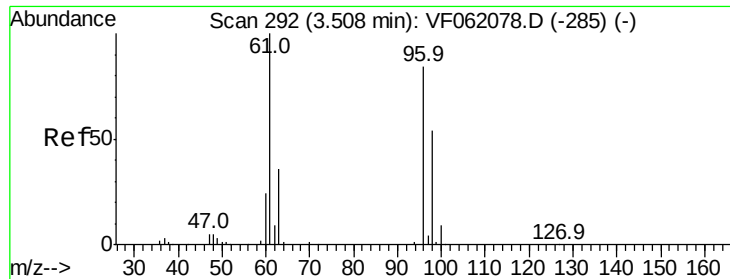
Tgt Ion: 77 Resp: 85590

Ion Ratio Lower Upper

77 100

97 24.4 10.3 30.9





#27

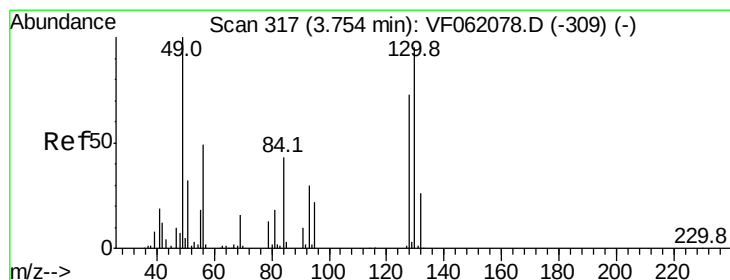
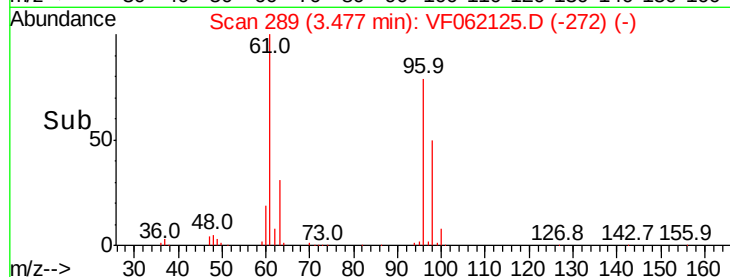
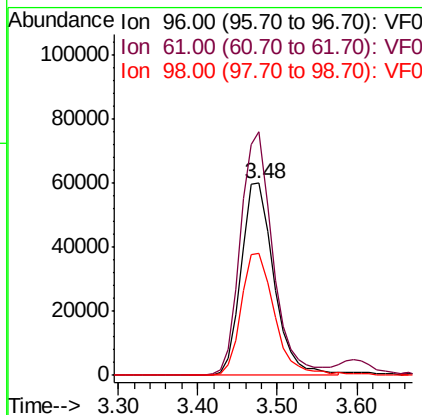
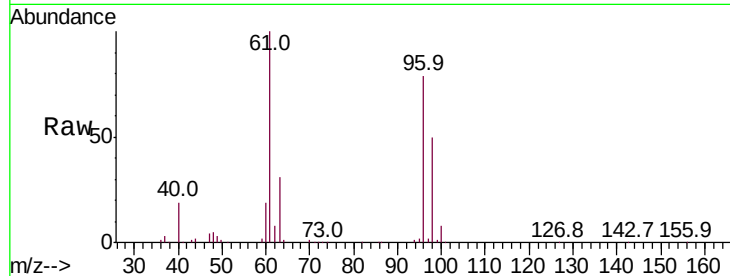
cis-1,2-Dichloroethene
Concen: 55.005 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	239.0
98	63.6	0.0	128.2

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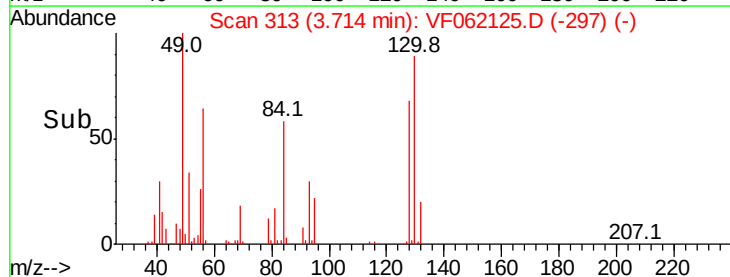
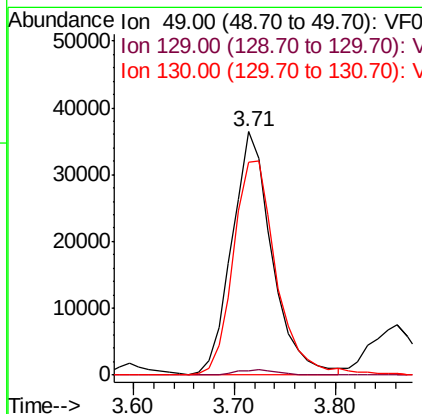
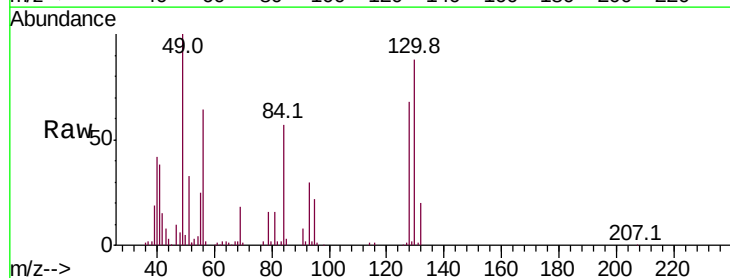
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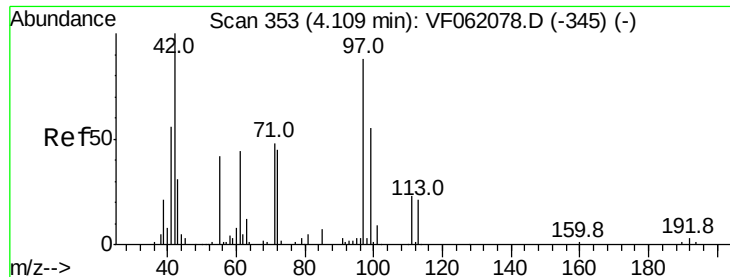


#28

Bromochloromethane
Concen: 59.642 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.6
130	87.5	75.5	113.3





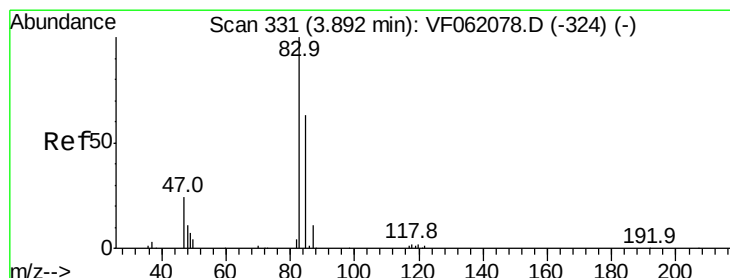
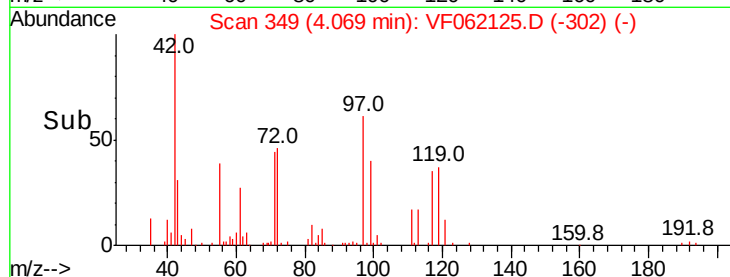
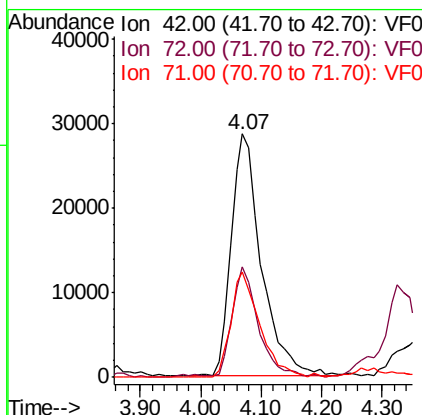
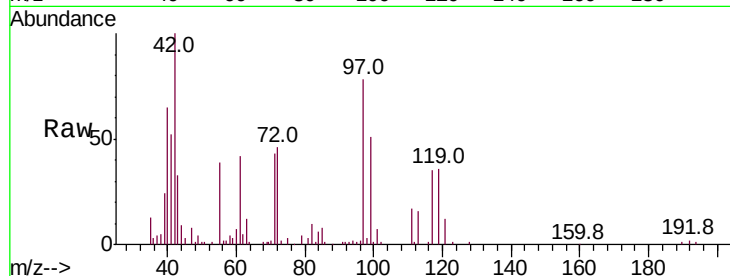
#29
Tetrahydrofuran
Concen: 273.837 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	33.3	49.9
71	41.6	35.0	52.4

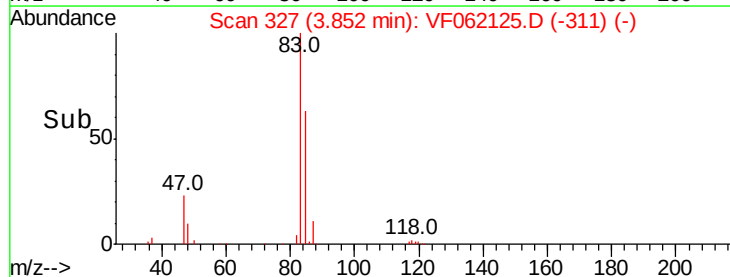
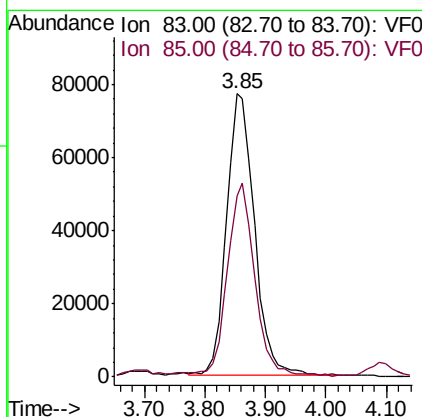
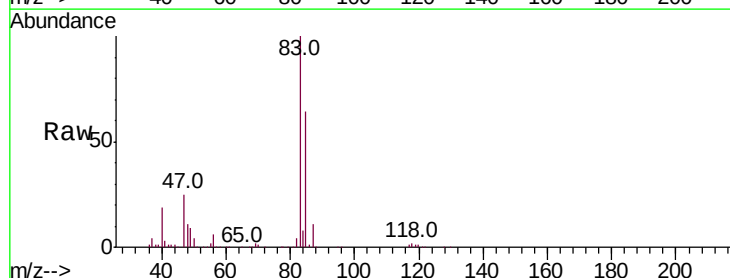
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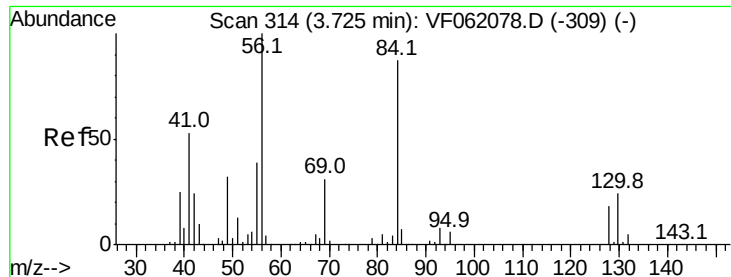
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#30
Chloroform
Concen: 56.279 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





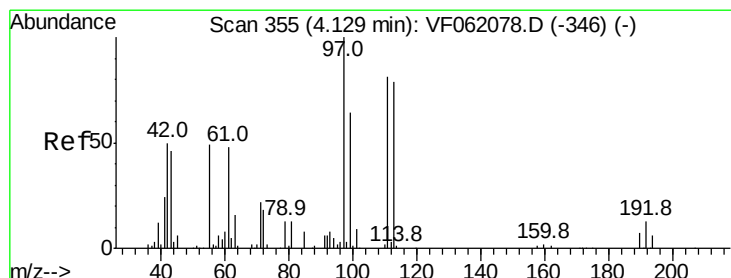
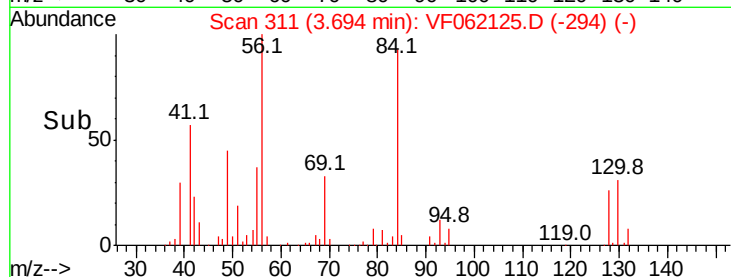
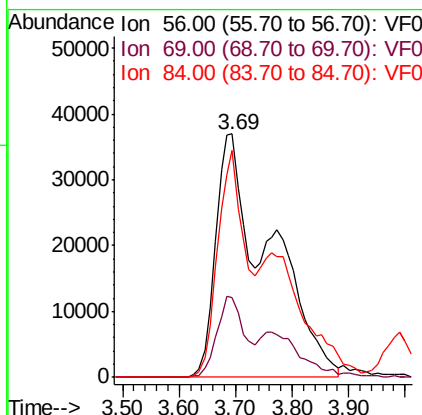
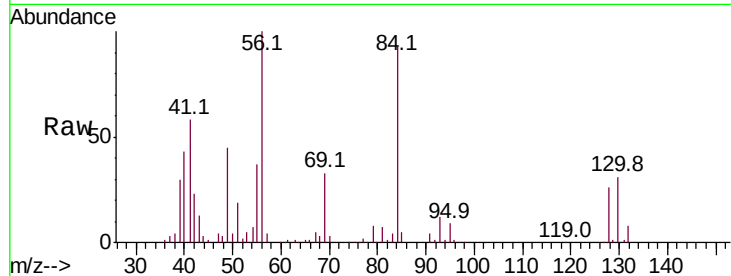
#31
Cyclohexane
Concen: 56.538 ug/l m
RT: 3.69 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.9	38.9
84	93.4	71.1	106.7

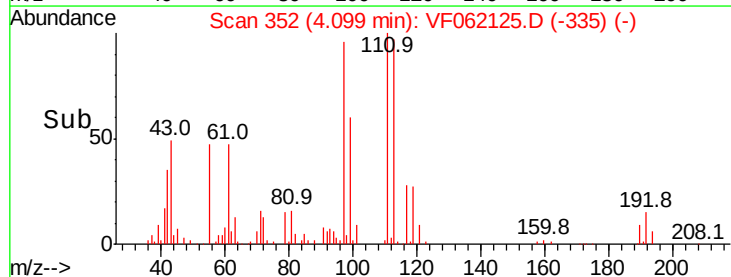
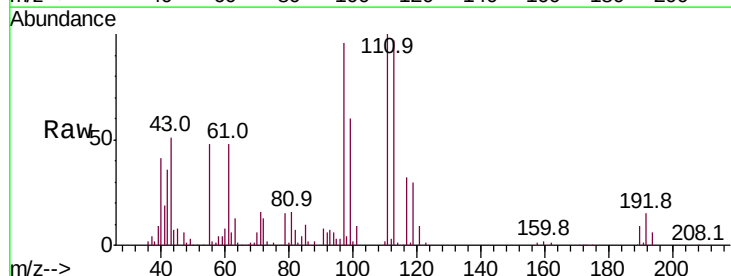
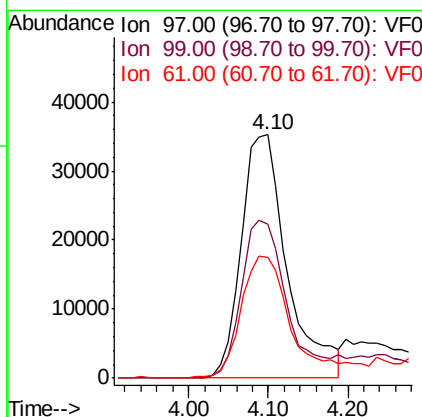
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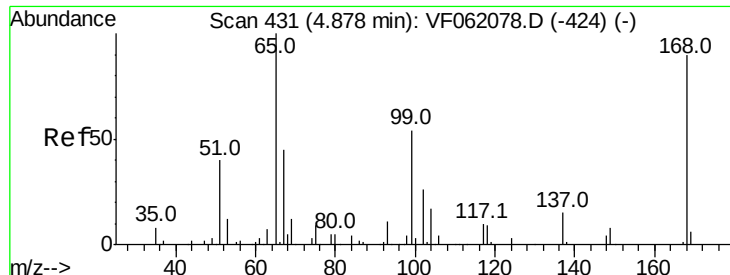
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#32
1,1,1-Trichloroethane
Concen: 53.522 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.3	76.9
61	49.7	39.0	58.6





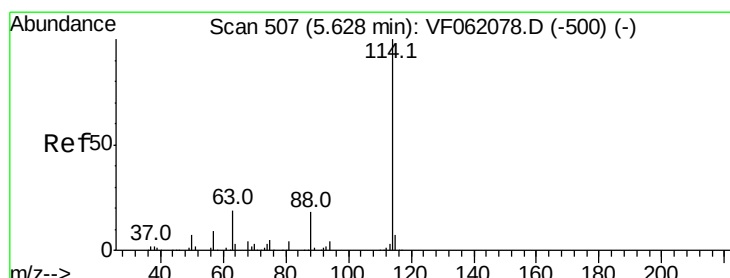
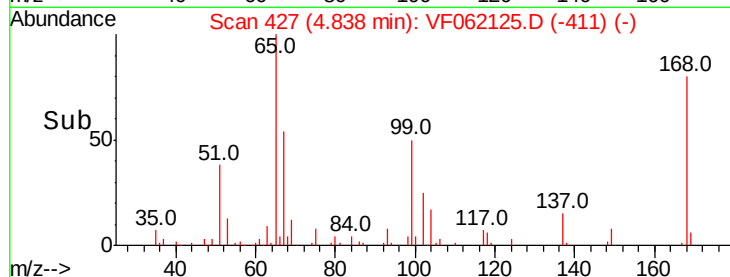
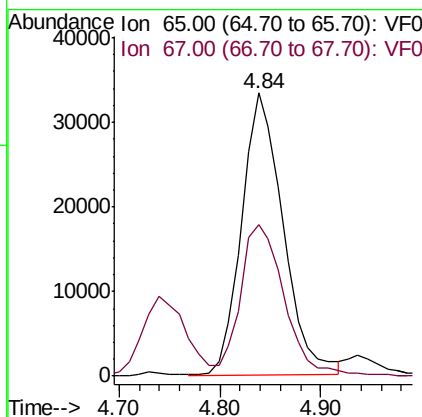
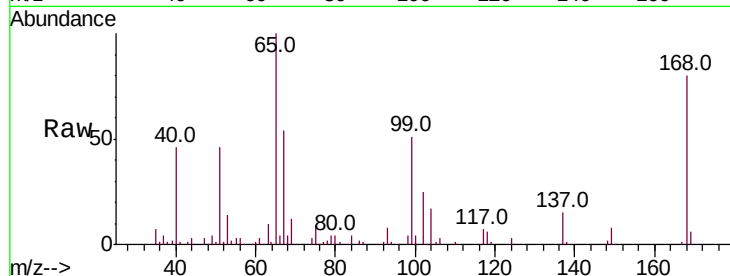
#33
 1,2-Dichloroethane-d4
 Concen: 50.854 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95904		
67	53.5	0.0	106.2	

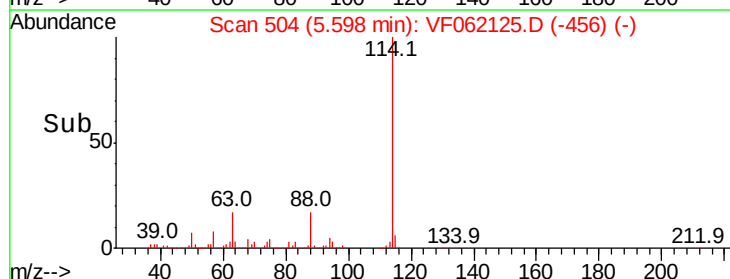
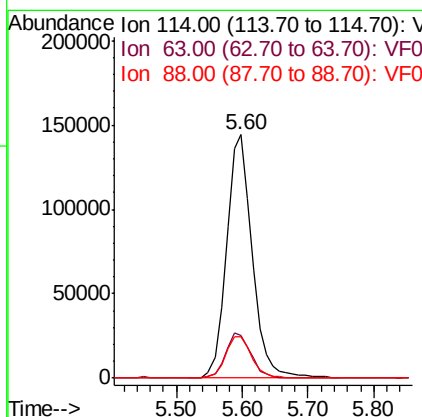
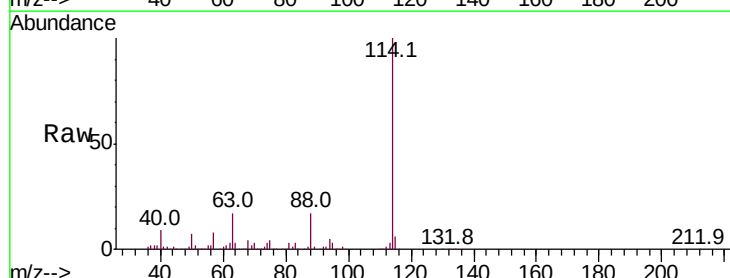
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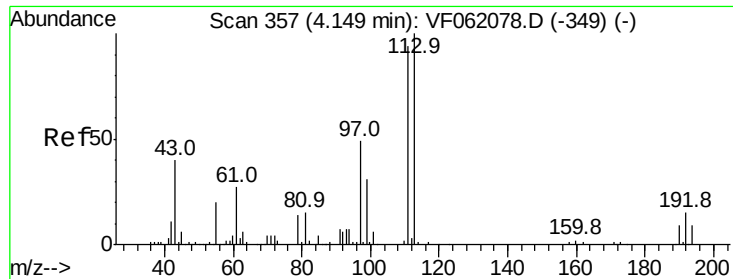
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	393597		
63	17.4	0.0	37.8	
88	17.1	0.0	36.4	





#35

Dibromofluoromethane

Concen: 52.369 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

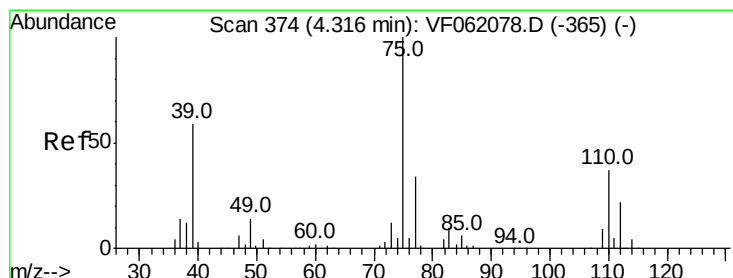
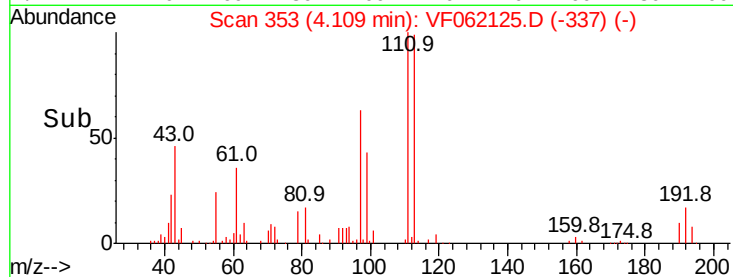
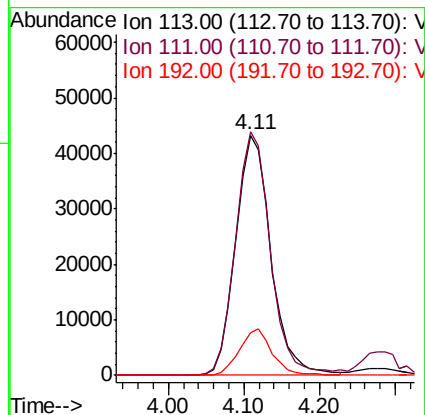
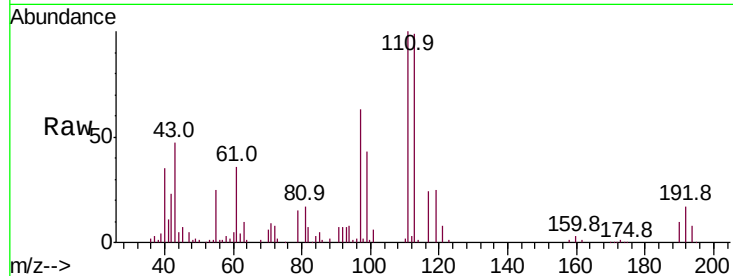
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	75.4	113.0
192	17.7	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 55.821 ug/l

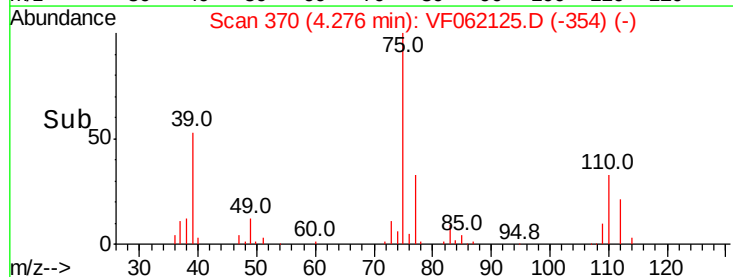
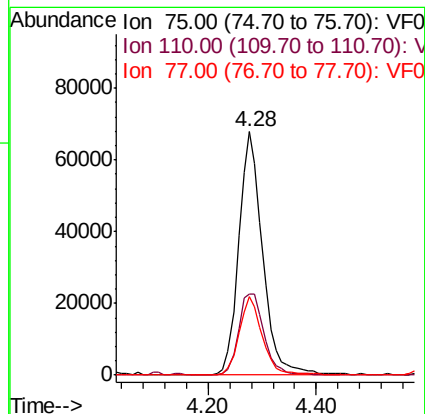
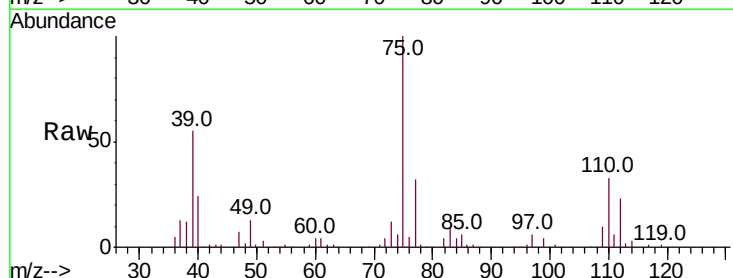
RT: 4.28 min Scan# 370

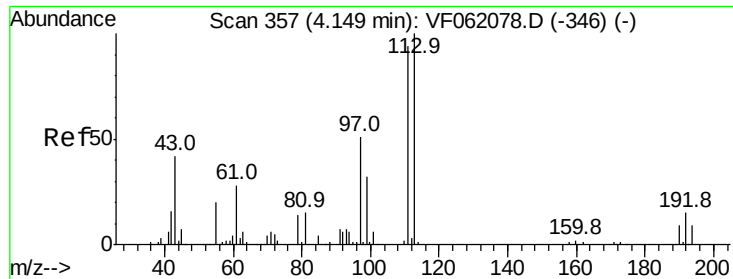
Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	18.5	55.5
77	32.4	27.4	41.0





#37

Ethyl Acetate

Concen: 51.545 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

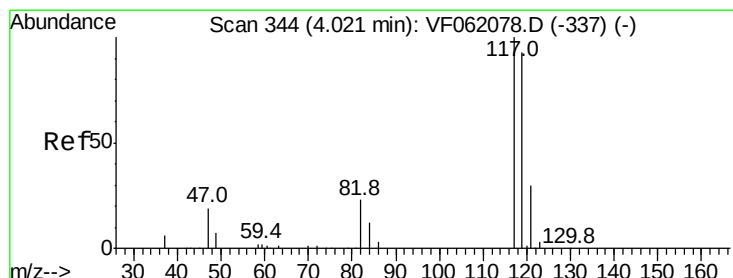
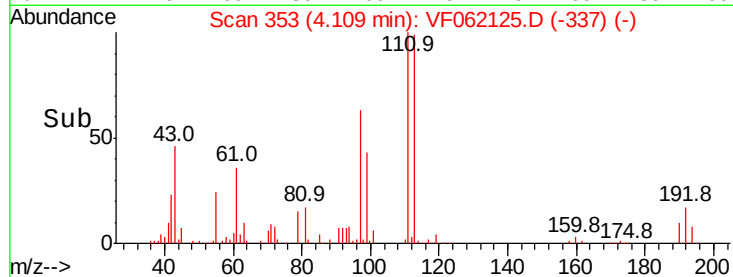
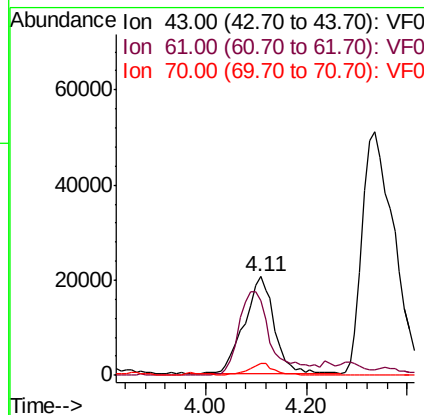
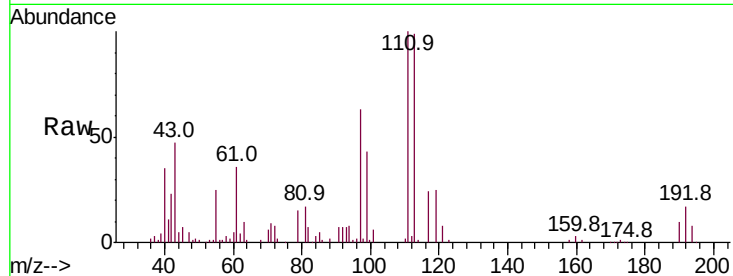
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	84452
Ion Ratio	Lower	Upper	
43	100		
61	75.1	53.6	80.4
70	12.3	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.954 ug/l

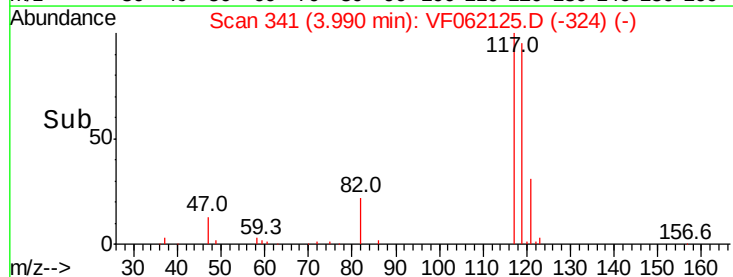
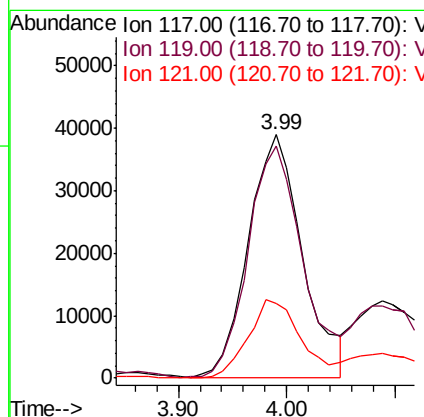
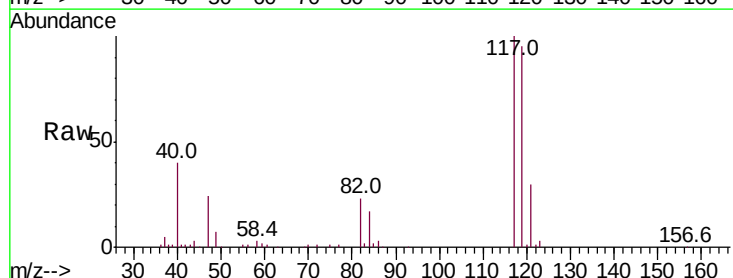
RT: 3.99 min Scan# 341

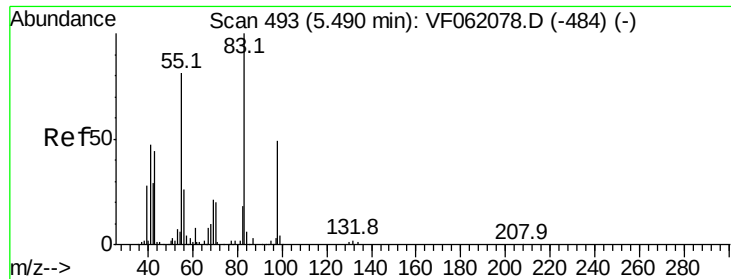
Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	117	Resp:	135308
Ion Ratio	Lower	Upper	
117	100		
119	95.5	74.7	112.1
121	30.4	23.6	35.4





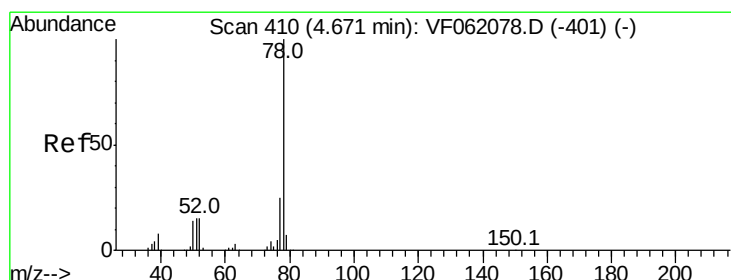
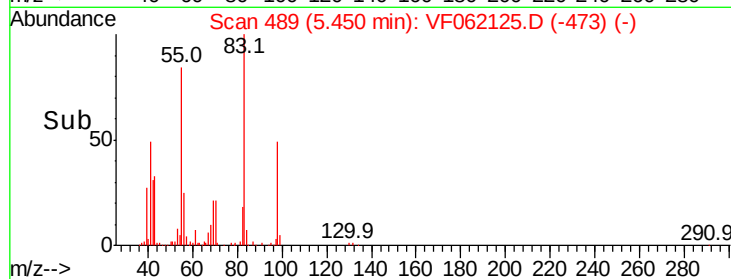
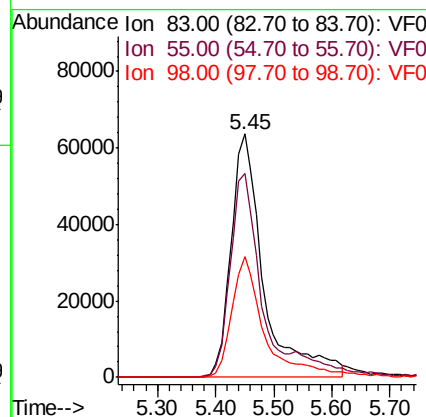
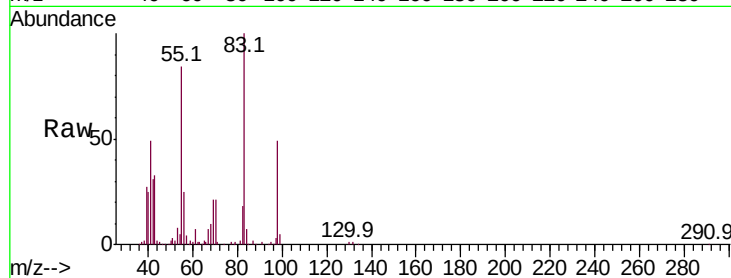
#39
Methylvlcyclohexane
Concen: 57.502 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	250197		
55	83.8		64.5	96.7
98	49.4		39.1	58.7

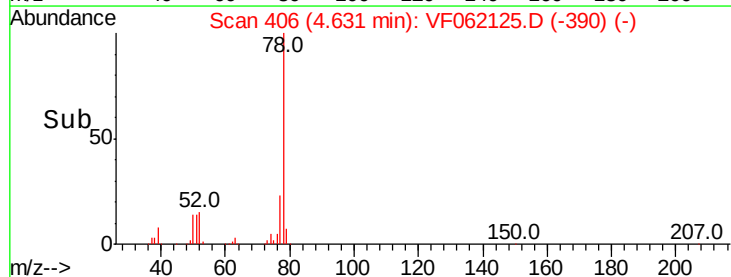
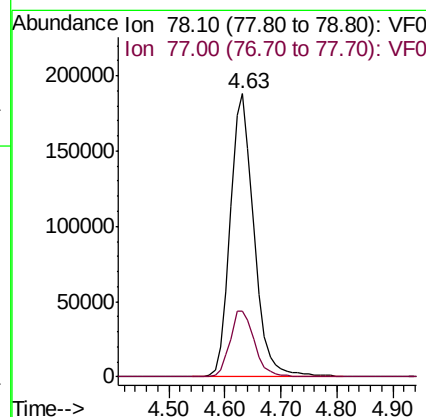
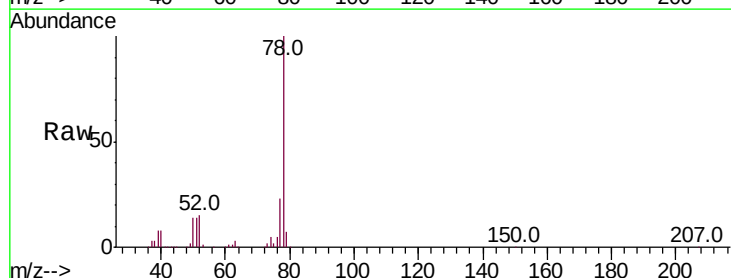
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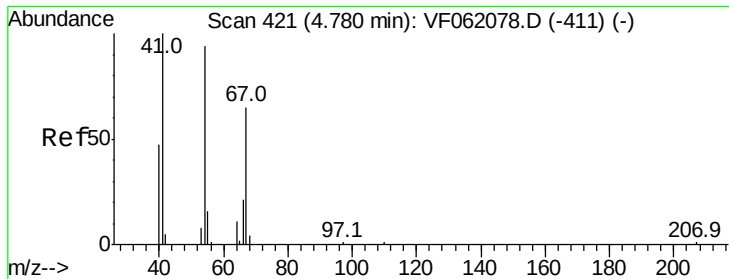
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#40
Benzene
Concen: 55.002 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	552785		
77	23.3		19.8	29.6





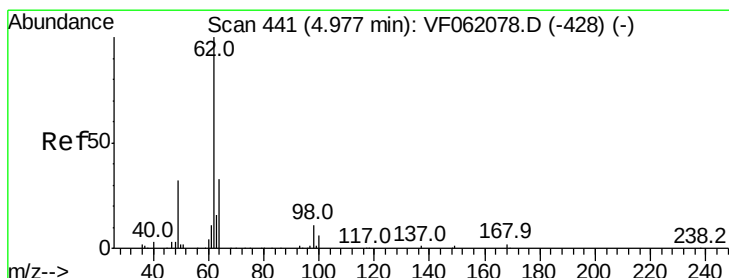
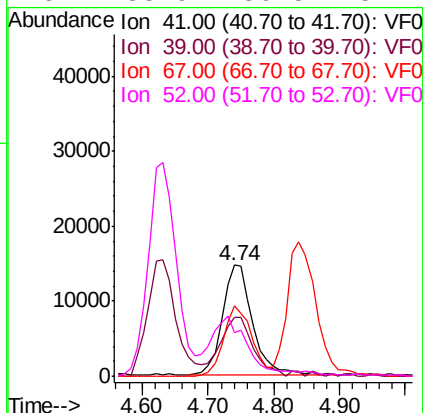
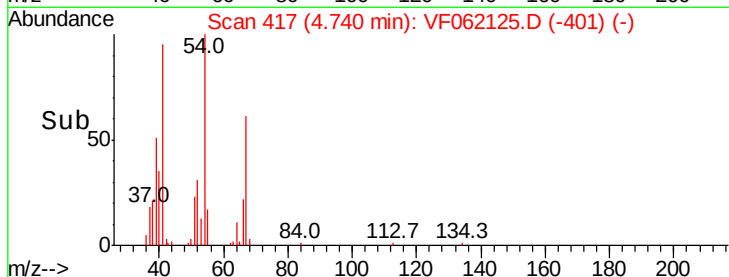
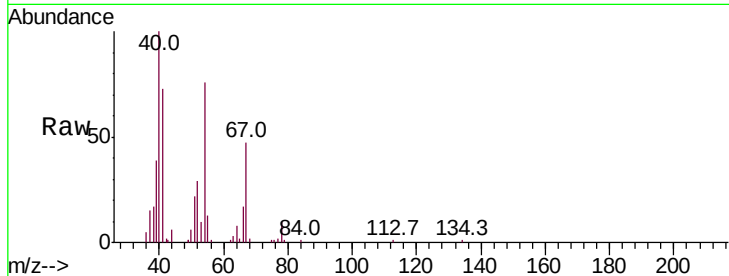
#41
Methacrylonitrile
Concen: 54.211 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	43.5	65.3
67	63.4	51.6	77.4
52	38.9	36.5	54.7

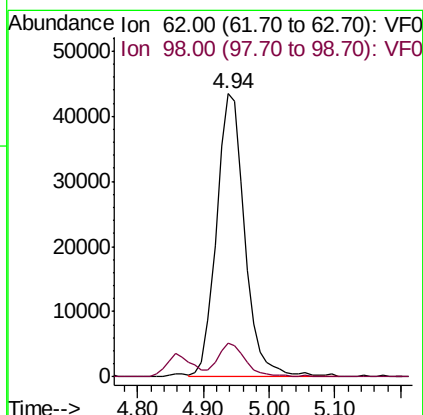
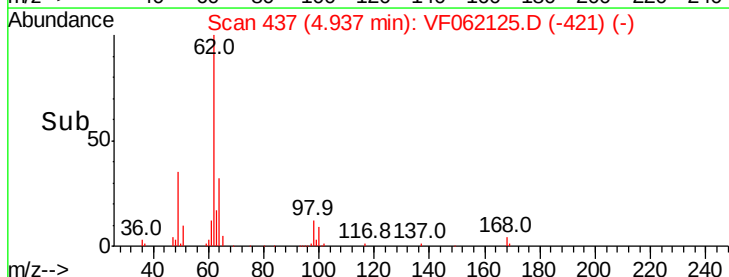
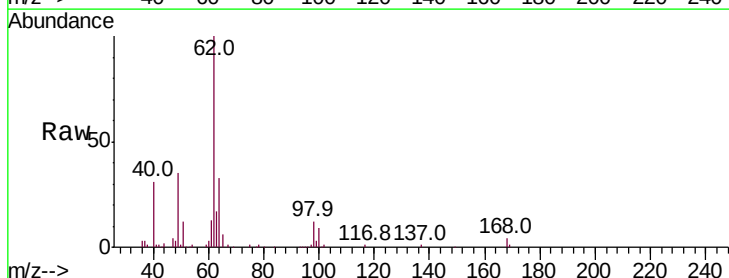
Manual Integrations
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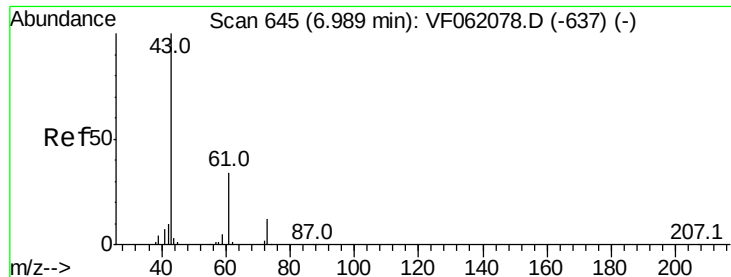
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#42
1,2-Dichloroethane
Concen: 54.140 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	23.2





#43

Isopropyl Acetate

Concen: 51.822 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

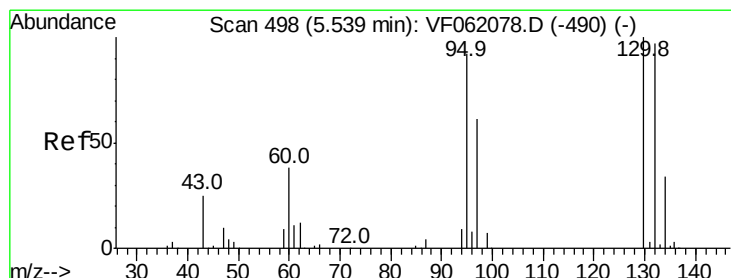
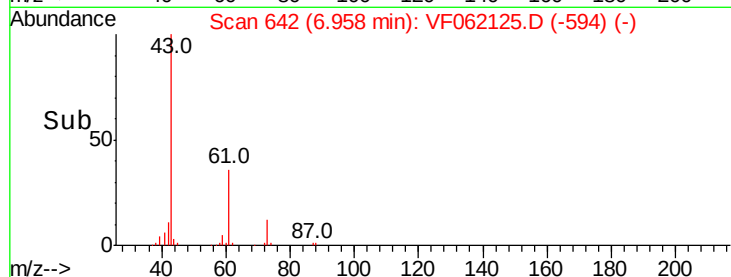
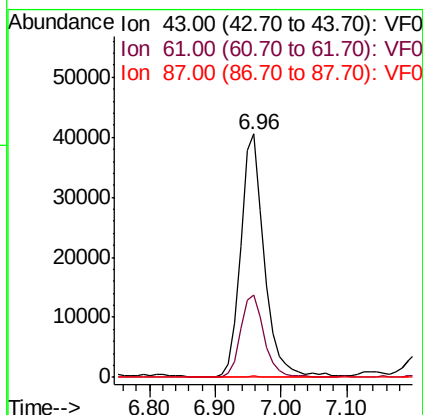
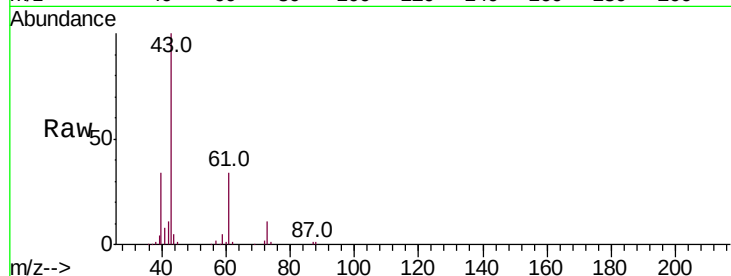
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	102826
Ion	Ratio	Lower	Upper
43	100		
61	34.0	27.0	40.4
87	0.5	0.4	0.6

Manual Integrations
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#44

Trichloroethene

Concen: 53.805 ug/l

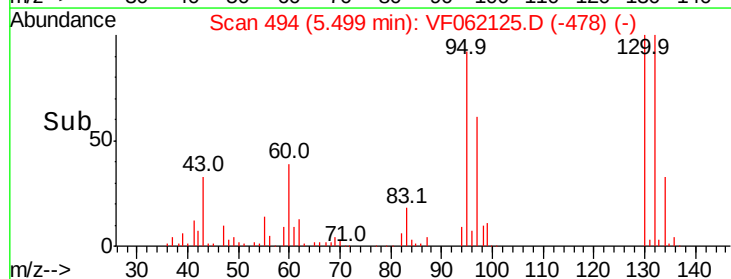
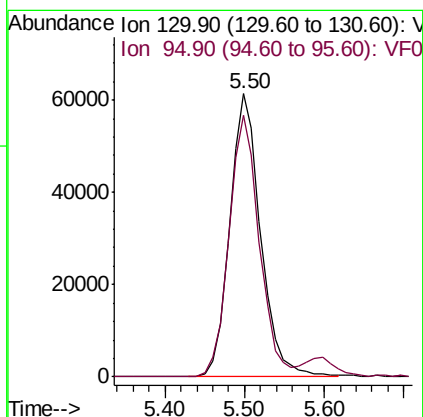
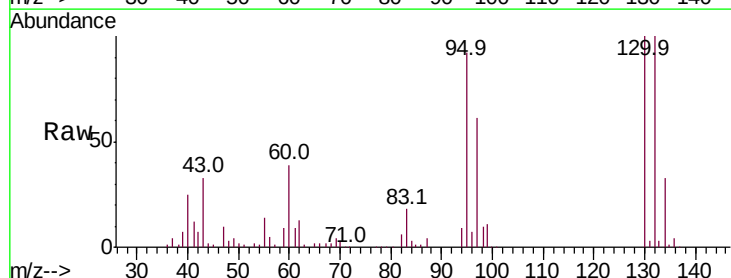
RT: 5.50 min Scan# 494

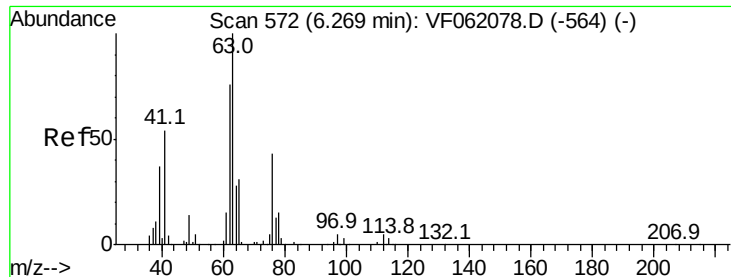
Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	130	Resp:	165327
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	183.4





#45

1,2-Dichloropropane

Concen: 54.962 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 131749

Ion Ratio Lower Upper

63 100

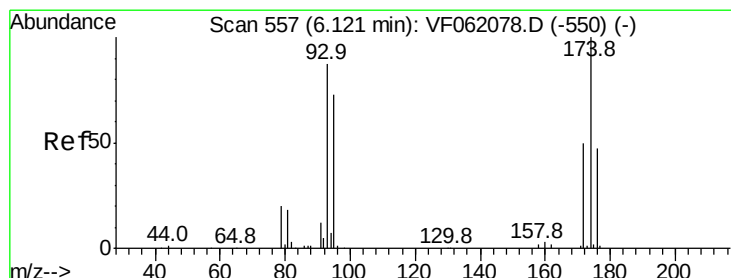
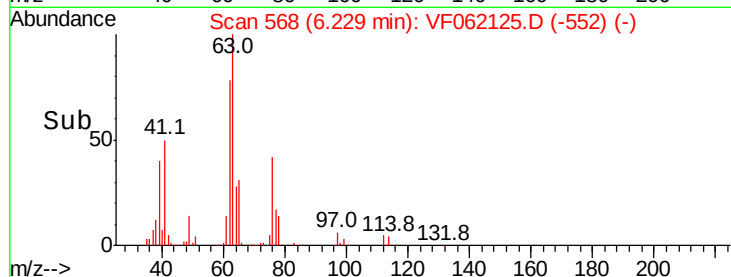
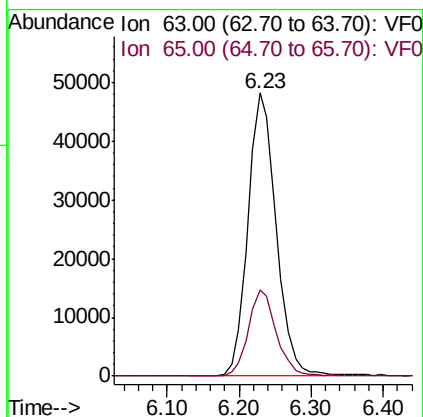
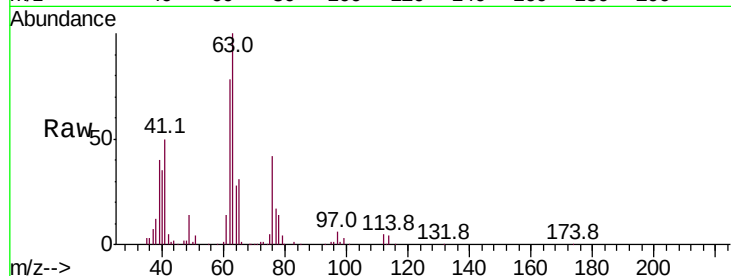
65 30.7 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 55.503 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

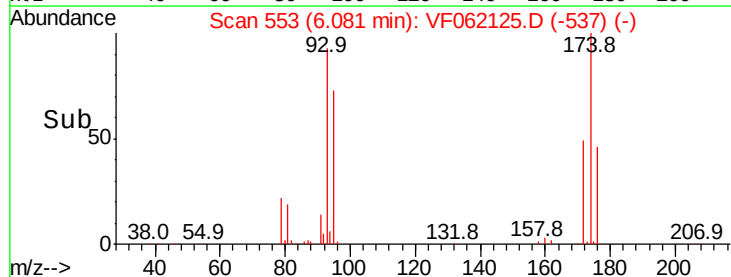
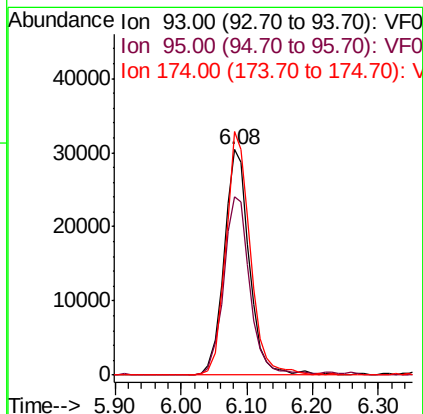
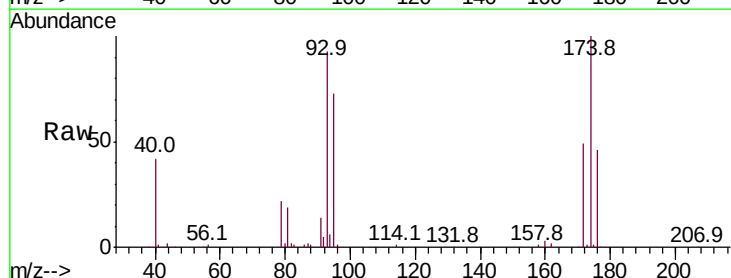
Tgt Ion: 93 Resp: 81349

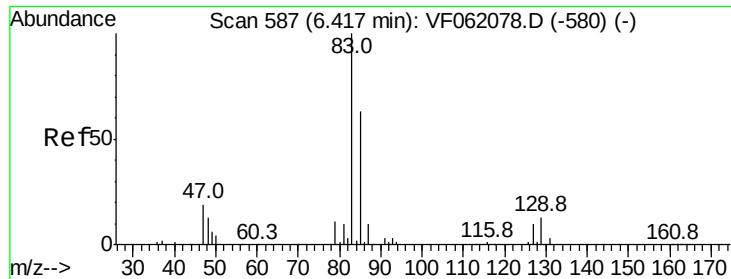
Ion Ratio Lower Upper

93 100

95 79.2 67.4 101.2

174 107.9 92.0 138.0





#47

Bromodichloromethane

Concen: 56.180 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 182386

Ion Ratio Lower Upper

83 100

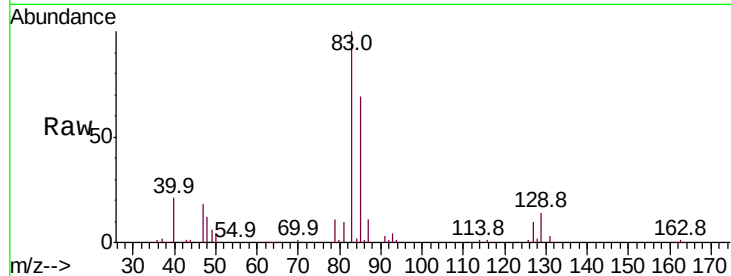
85 68.5 50.7 76.1

127 9.5 7.8 11.6

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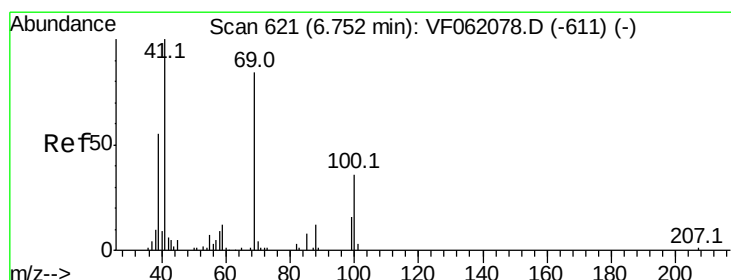
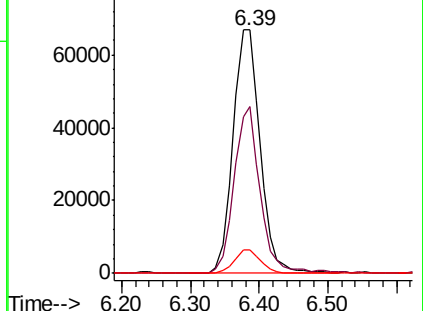
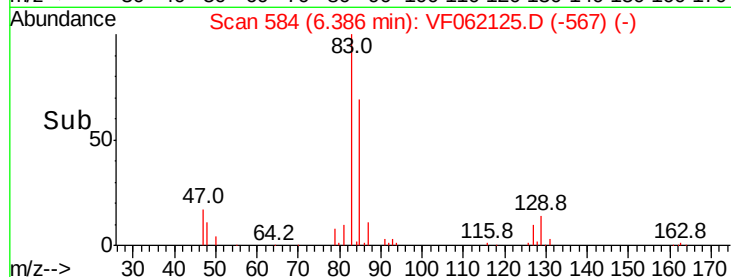
3/25/2019 12:41:02 PM



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 55.176 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

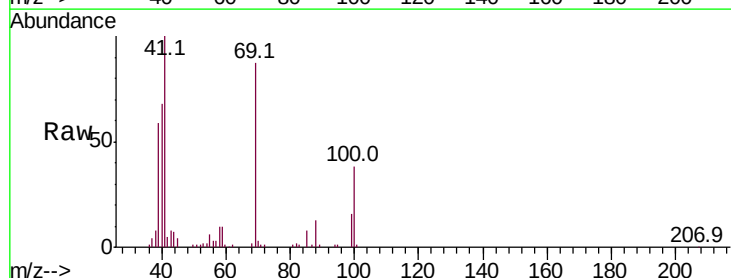
Tgt Ion: 41 Resp: 62336

Ion Ratio Lower Upper

41 100

69 87.2 66.6 100.0

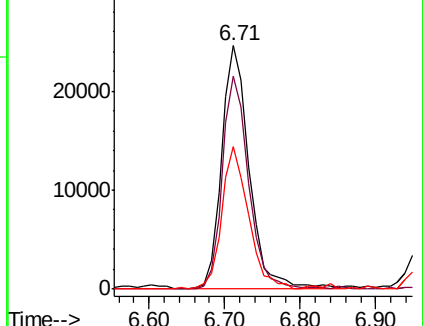
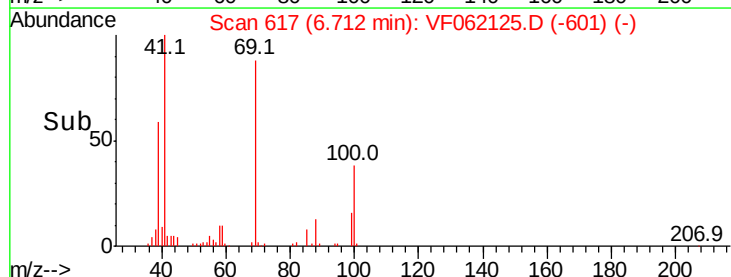
39 58.7 43.6 65.4

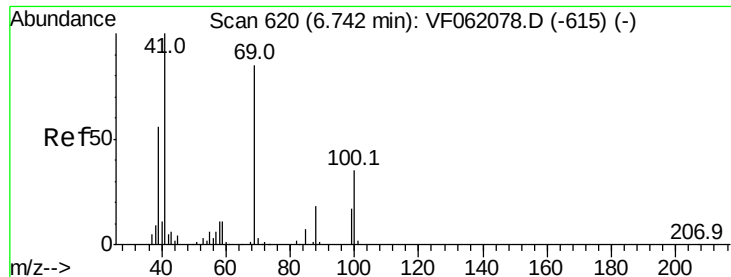


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





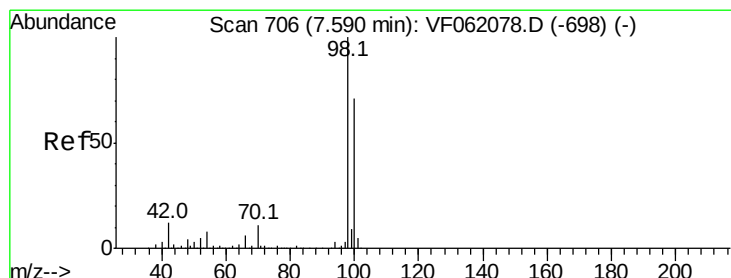
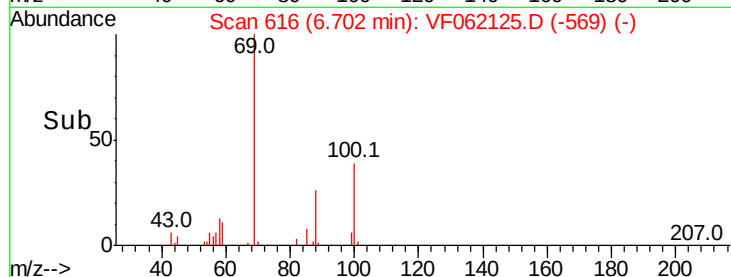
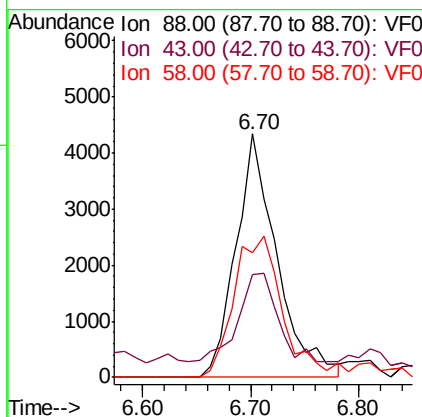
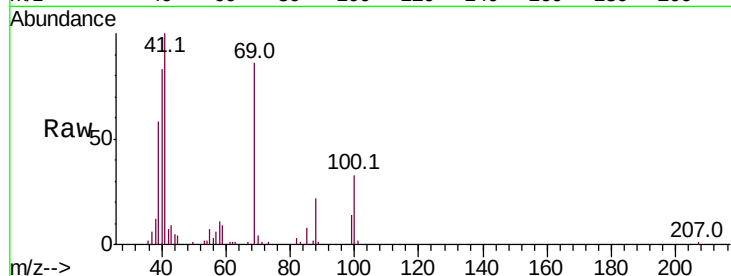
#49
1,4-Dioxane
Concen: 1159.963 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	35.0	52.4
58	51.4	49.9	74.9

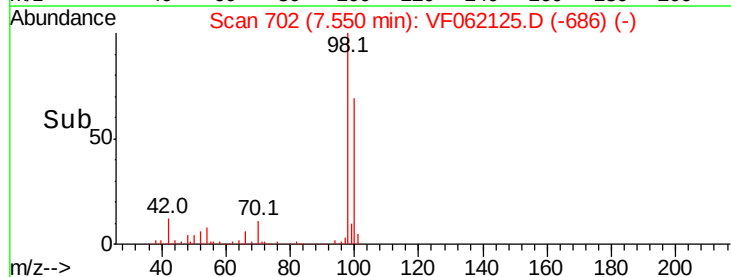
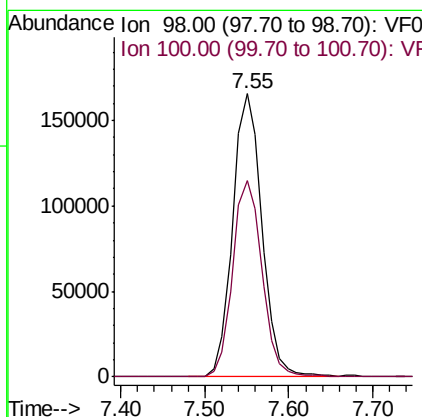
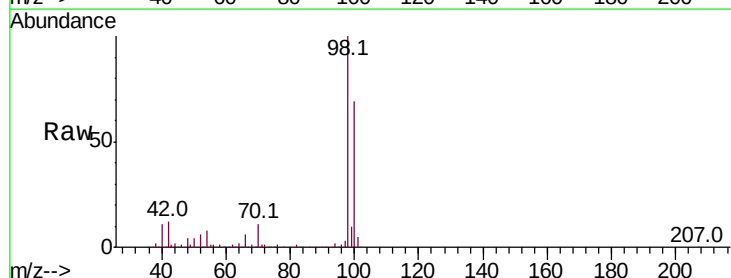
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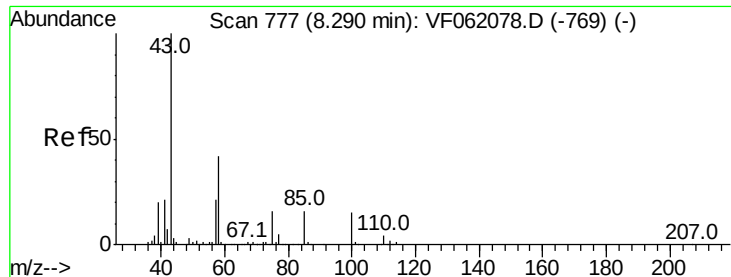
MMDadoda
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#50
Toluene-d8
Concen: 50.512 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.4	57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 267.675 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 355488

Ion Ratio Lower Upper

43 100

58 40.0

33.8

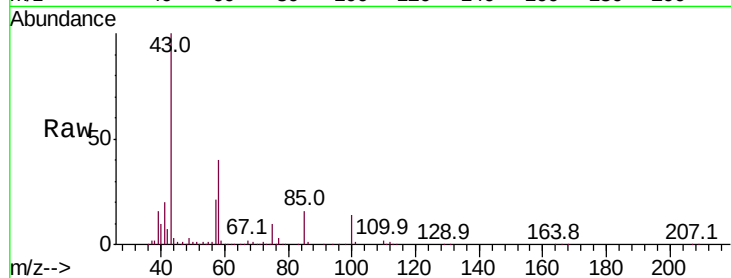
50.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

100000

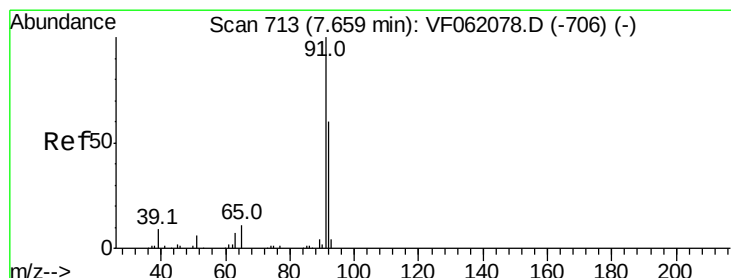
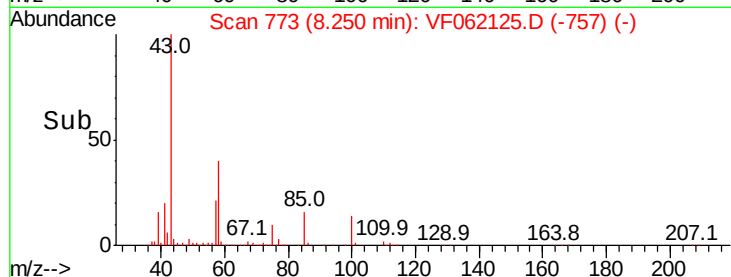
50000

0

8.25

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 57.922 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion: 92 Resp: 337178

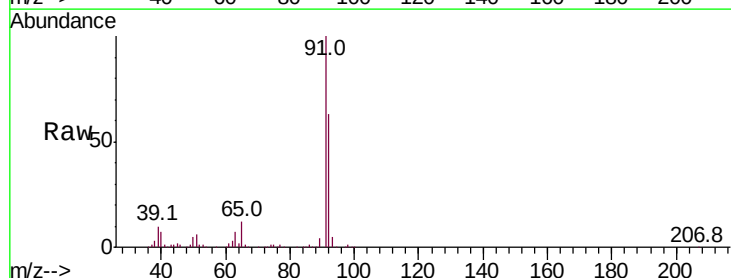
Ion Ratio Lower Upper

92 100

91 159.9

134.1

201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

100000

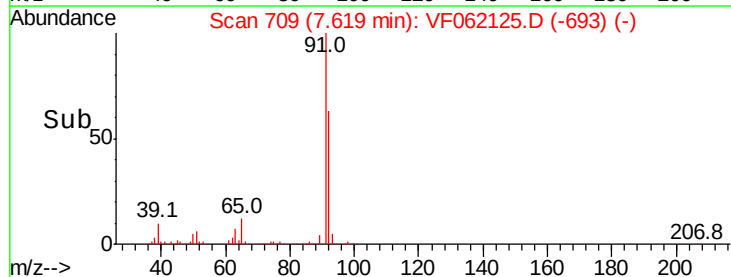
50000

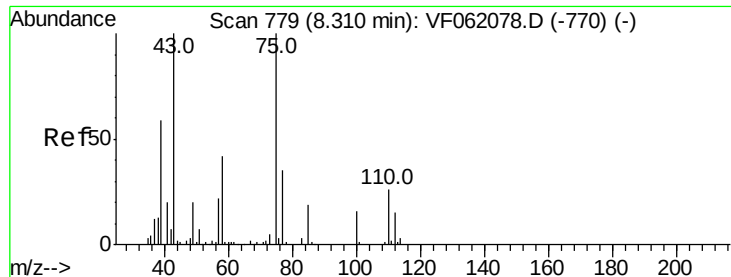
0

7.62

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.584 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 141658

Ion Ratio Lower Upper

75 100

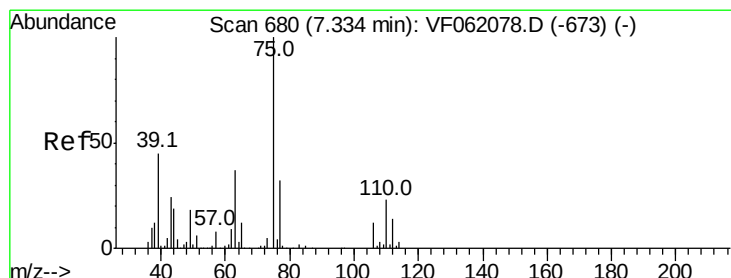
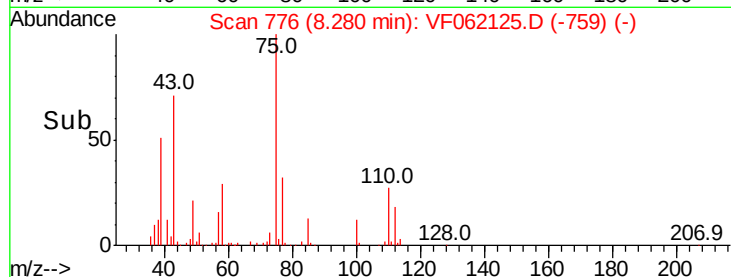
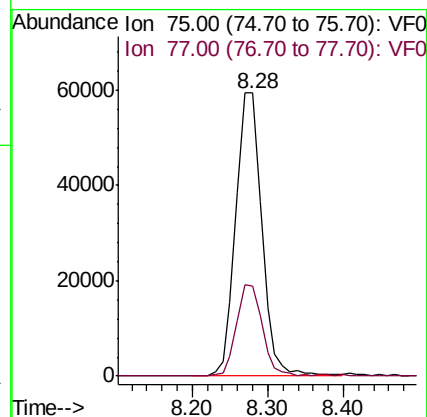
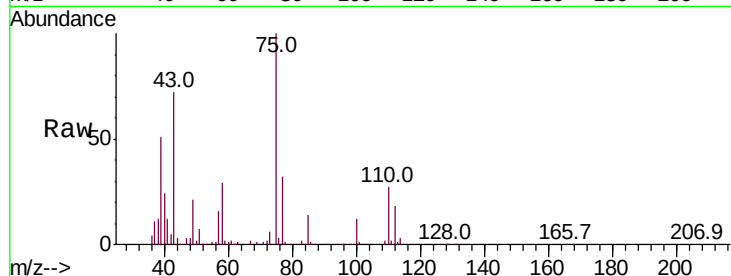
77 31.7 28.0 42.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.888 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

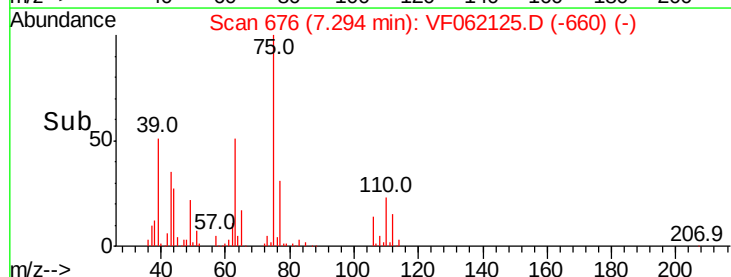
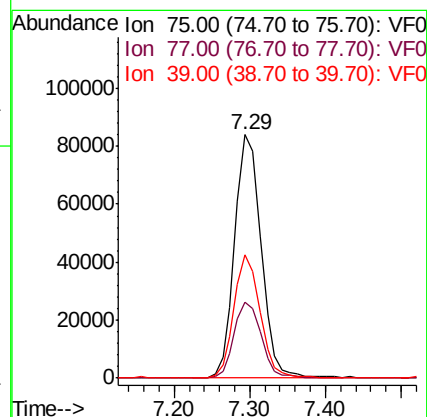
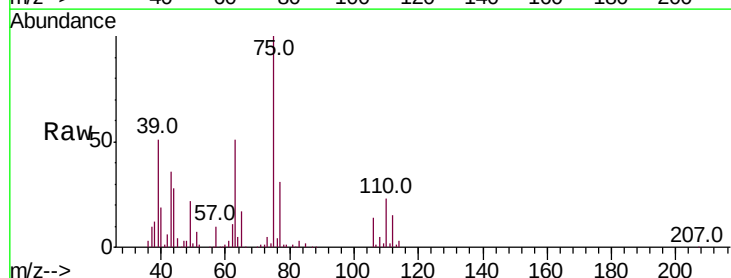
Tgt Ion: 75 Resp: 203798

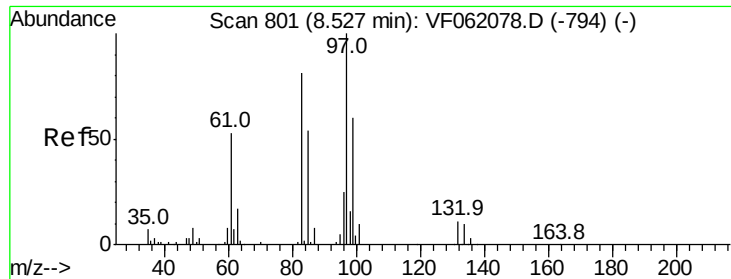
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 50.7 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 55.908 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

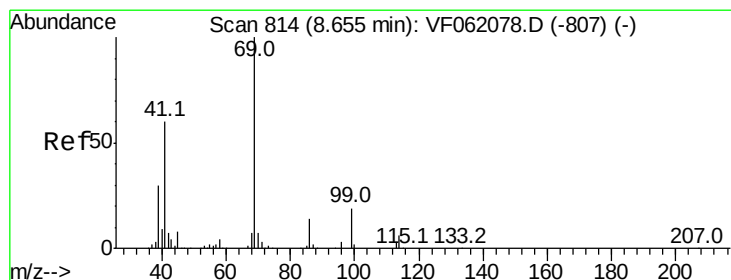
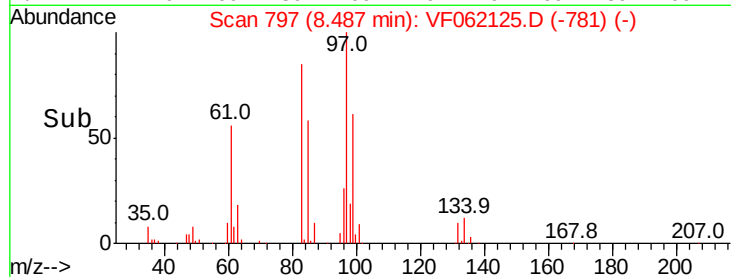
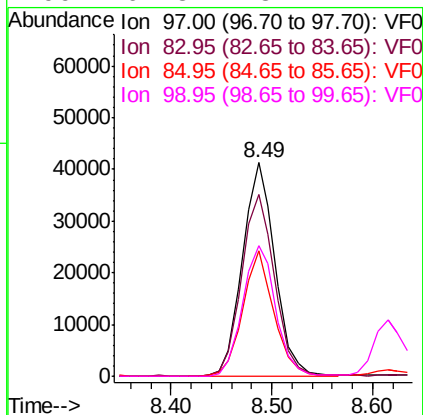
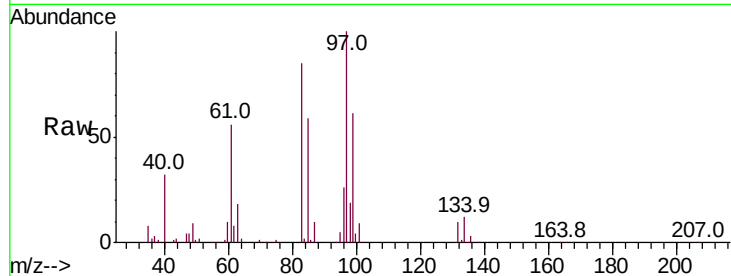
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		92444		
83	85.2	64.6	97.0		
85	58.6	43.6	65.4		
99	61.3	48.2	72.2		

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#56

Ethyl methacrylate

Concen: 57.090 ug/l

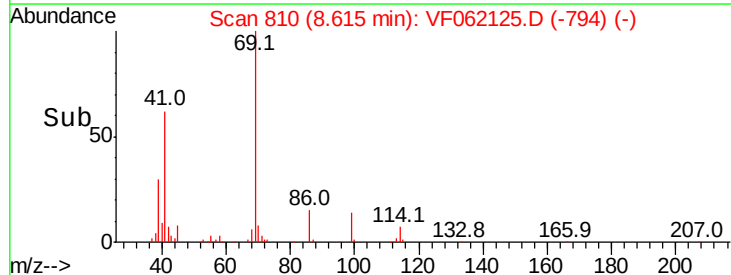
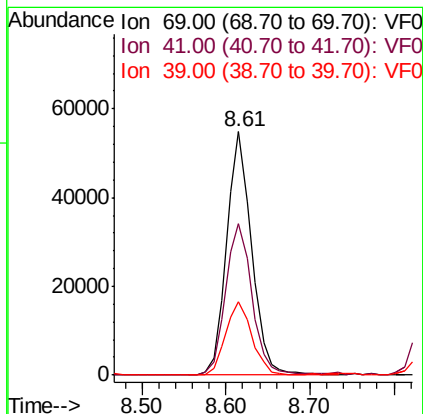
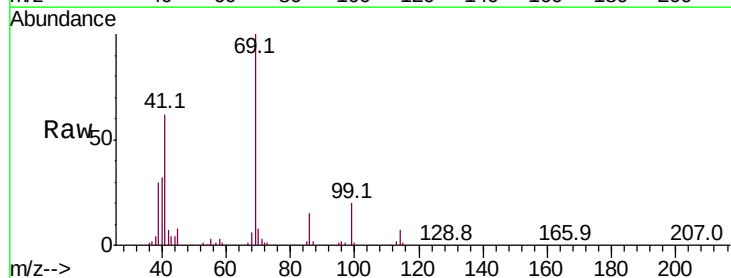
RT: 8.61 min Scan# 810

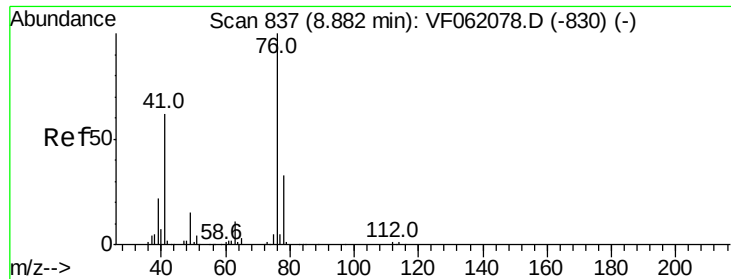
Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		112581		
41	62.3	48.2	72.2		
39	30.4	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 54.995 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.03 min

Lab File: VF062125.D

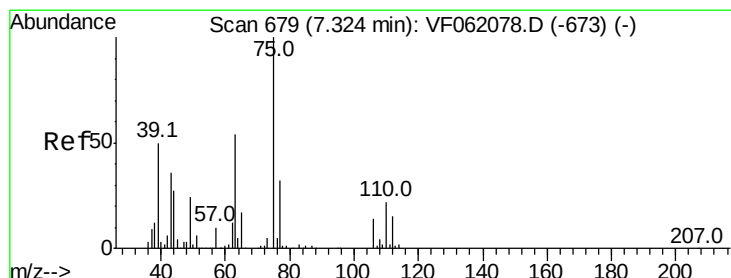
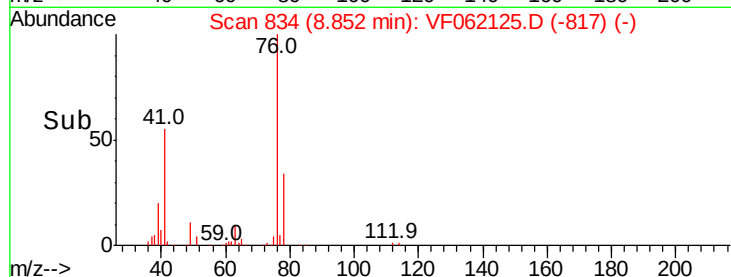
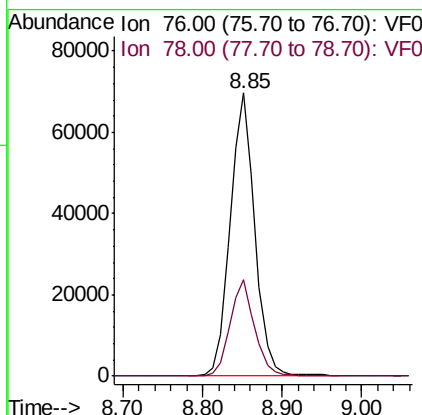
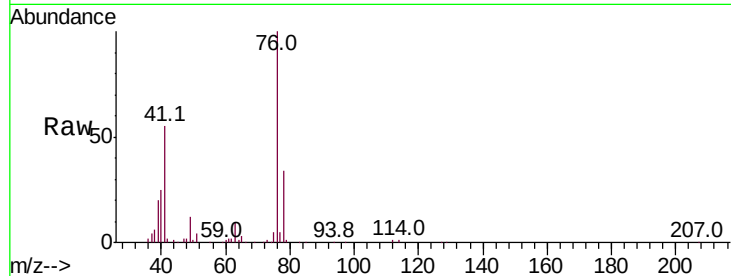
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.1	26.6	39.8

Manual Integrations
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3/25/2019 12:41:02 PM



#58

2-Chloroethyl Vinyl ether

Concen: 333.011 ug/l

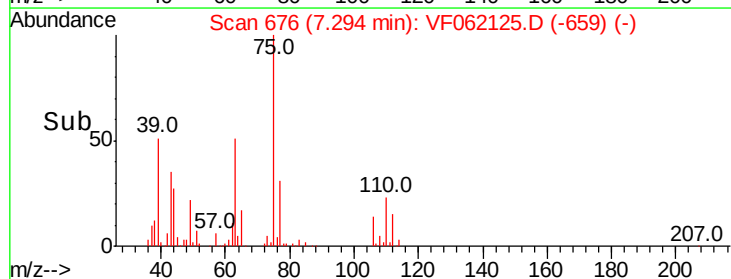
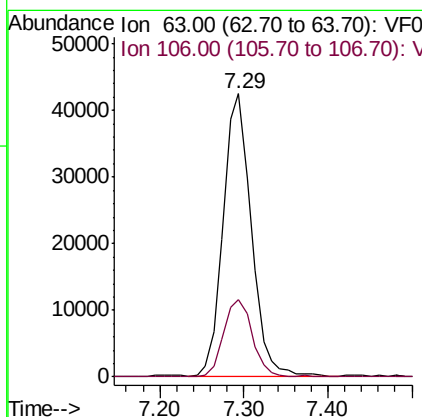
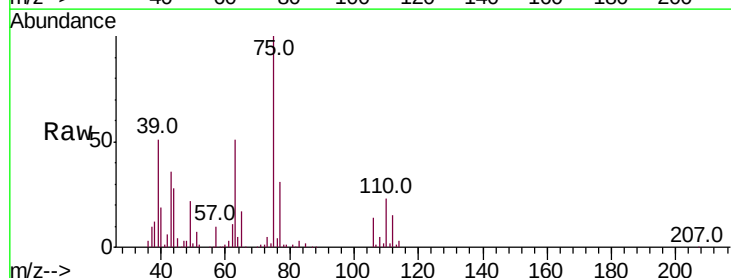
RT: 7.29 min Scan# 676

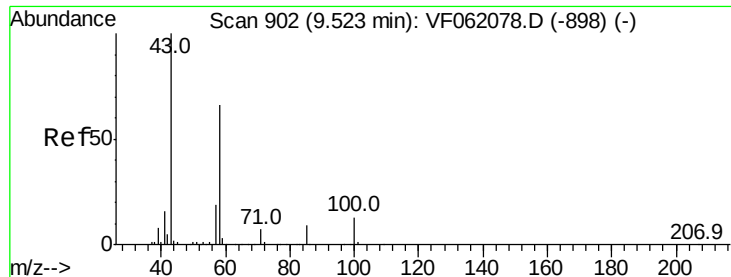
Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3





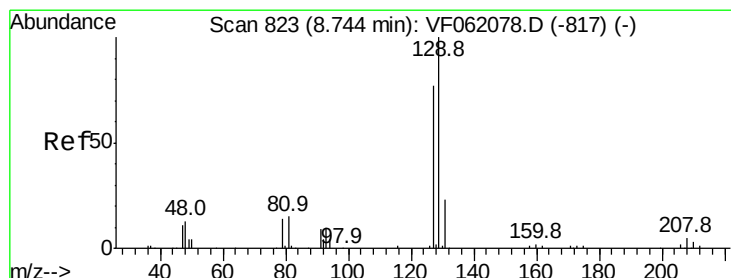
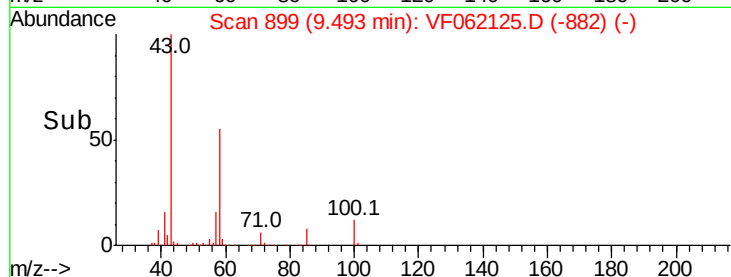
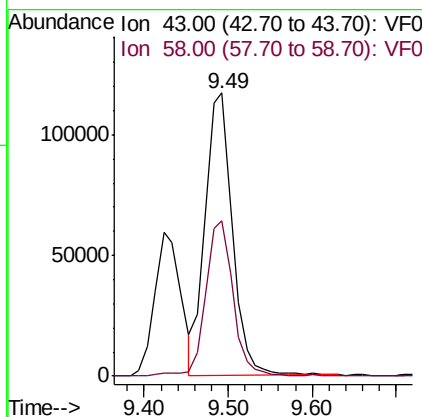
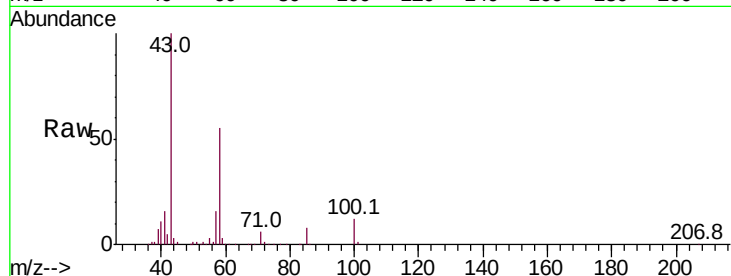
#59
2-Hexanone
Concen: 269.283 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 262105
Ion Ratio Lower Upper
43 100
58 54.8 28.8 86.4

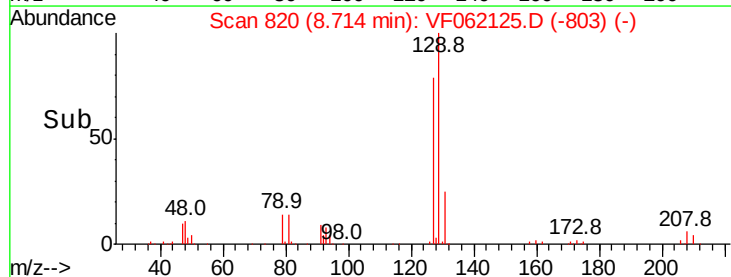
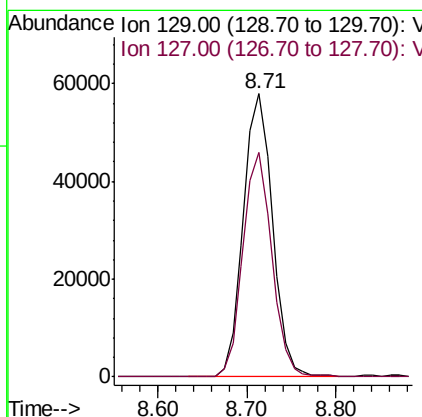
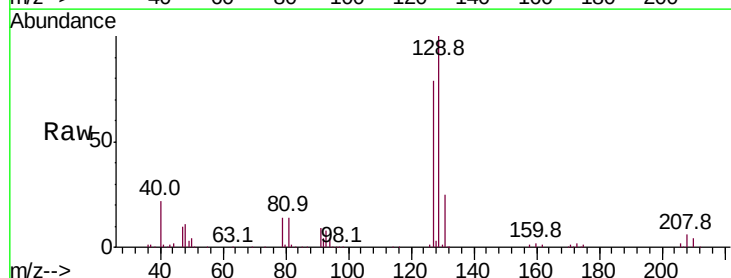
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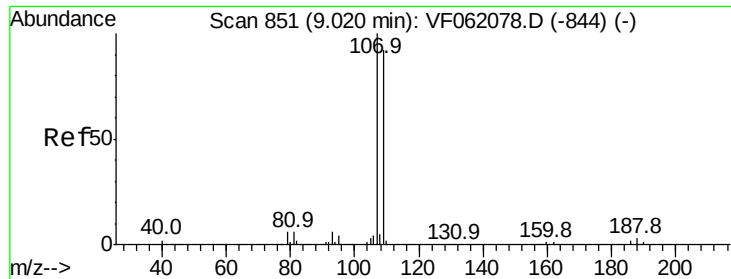
MMDadoda
3/25/2019 12:41:02 PM



#60
Dibromochloromethane
Concen: 57.320 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 129 Resp: 131758
Ion Ratio Lower Upper
129 100
127 79.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 55.978 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 98749

Ion Ratio Lower Upper

107 100

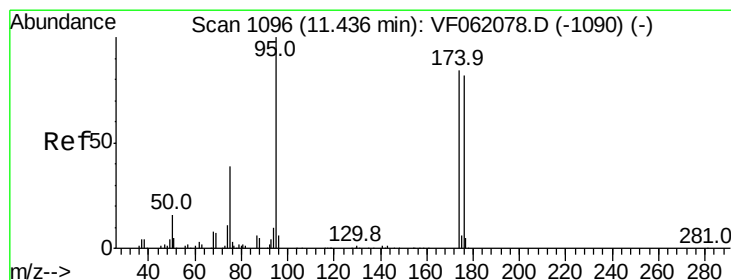
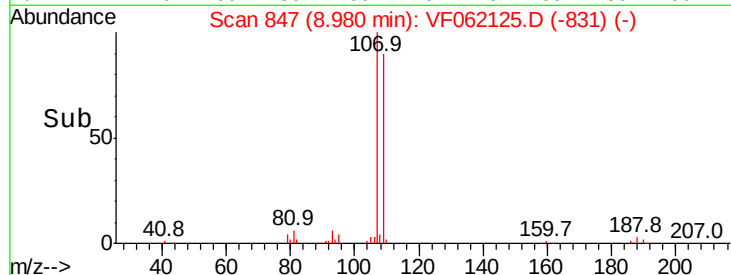
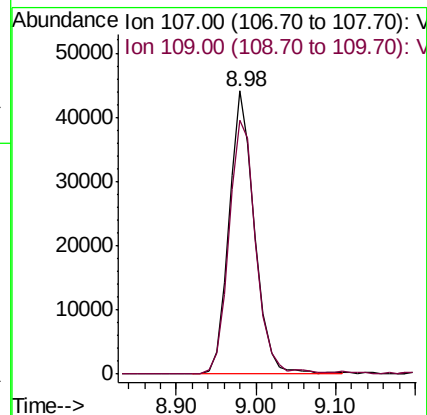
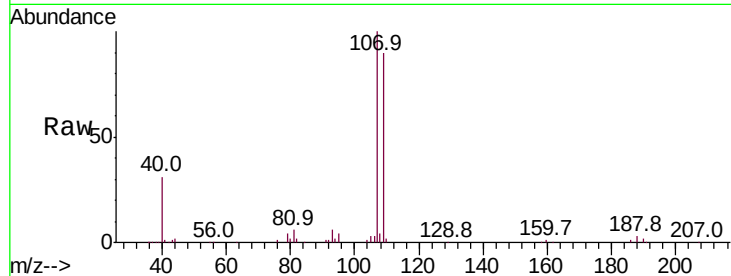
109 89.6 73.4 110.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.882 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

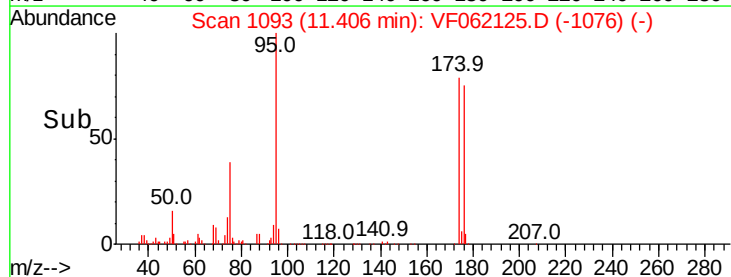
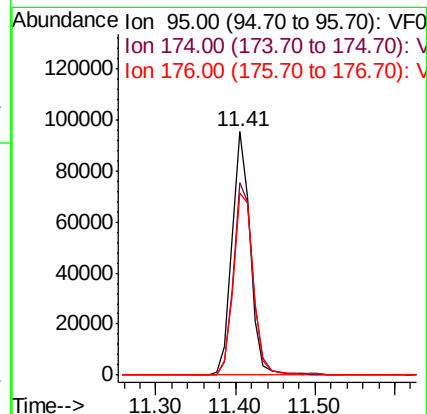
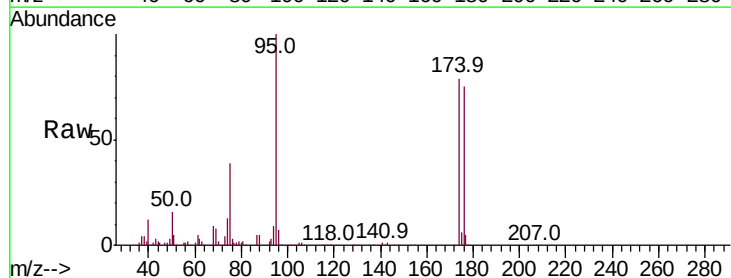
Tgt Ion: 95 Resp: 156119

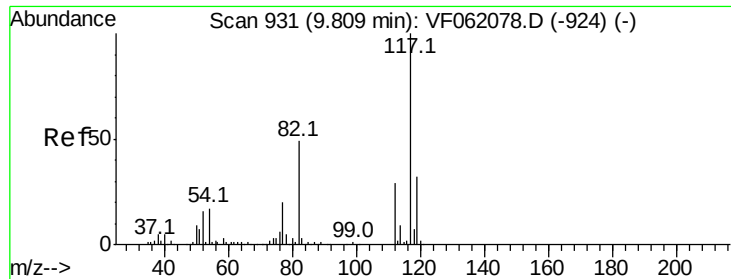
Ion Ratio Lower Upper

95 100

174 79.3 0.0 168.2

176 75.0 0.0 164.2





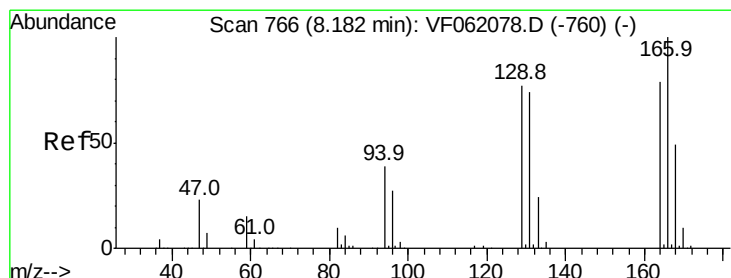
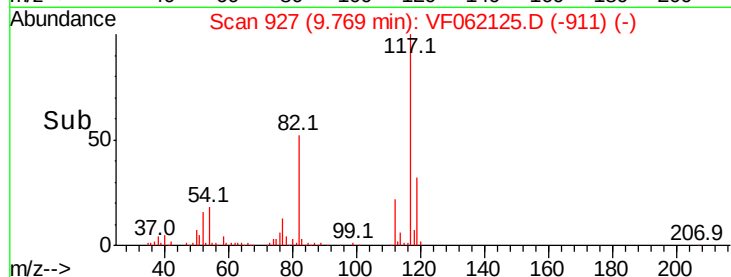
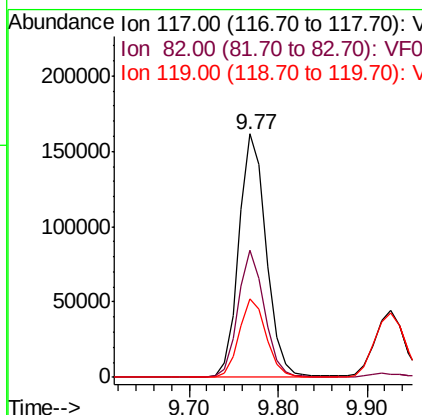
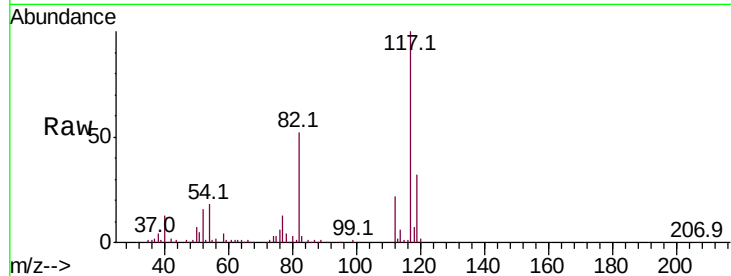
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	346196		
82	52.1		39.2	58.8
119	32.4		25.4	38.2

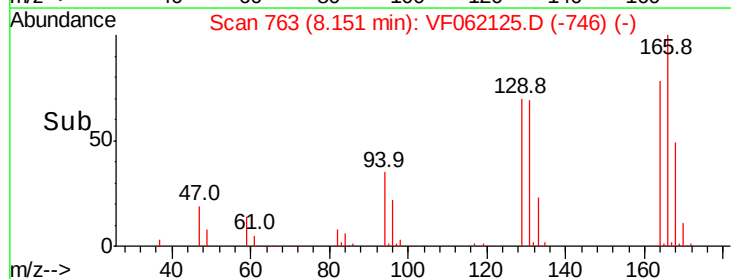
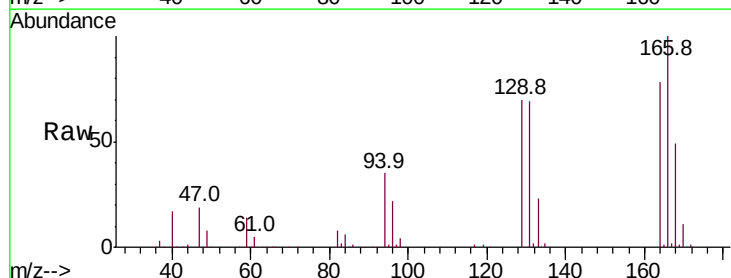
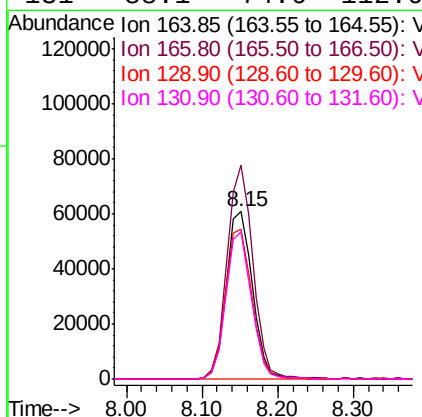
Manual Integrations
APPROVED

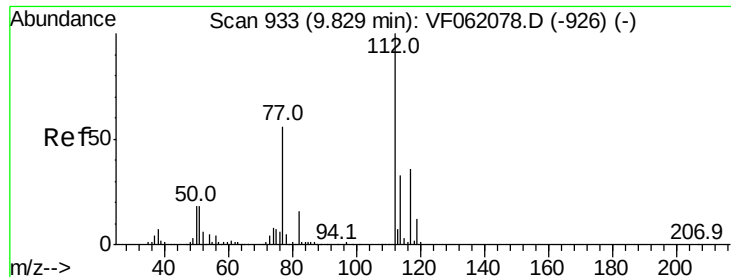
MMDadoda
3/25/2019 12:41:02 PM



#64
Tetrachloroethene
Concen: 54.407 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145520		
166	127.4		100.9	151.3
129	89.0		77.9	116.9
131	88.1		74.6	112.0





#65

Chlorobenzene

Concen: 54.484 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 352924

Ion Ratio Lower Upper

112 100

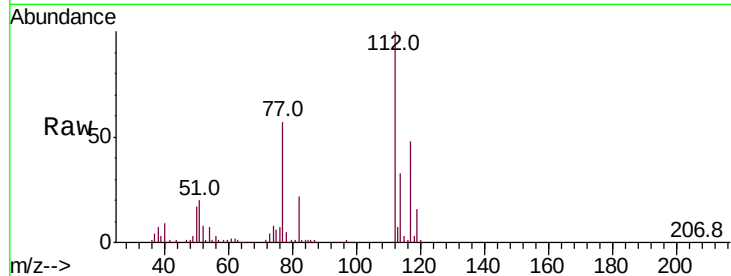
114 32.9 26.0 39.0

Manual Integrations

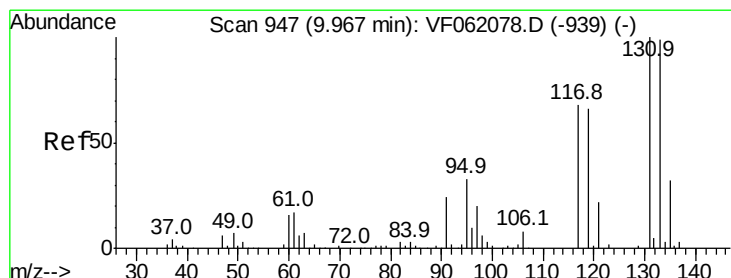
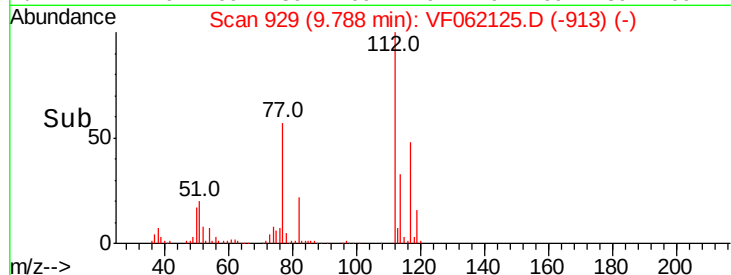
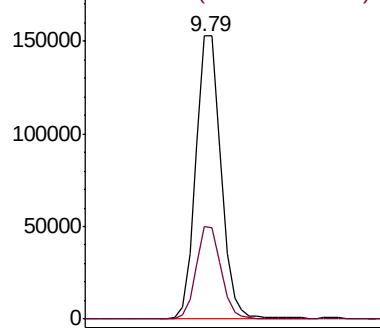
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Abundance Ion 112.00 (111.70 to 112.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.163 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

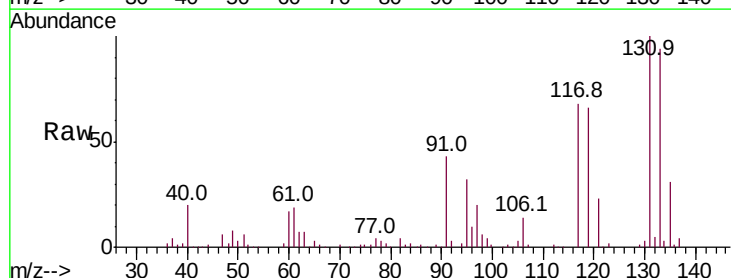
Tgt Ion:131 Resp: 143530

Ion Ratio Lower Upper

131 100

133 93.9 49.3 147.8

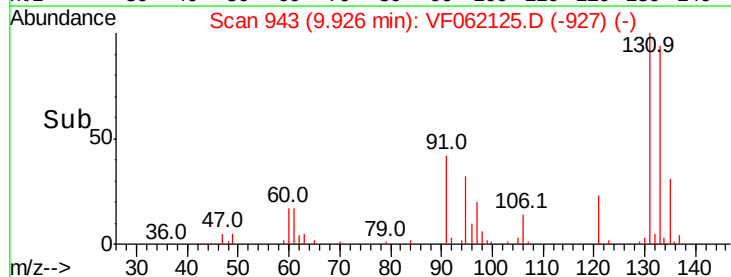
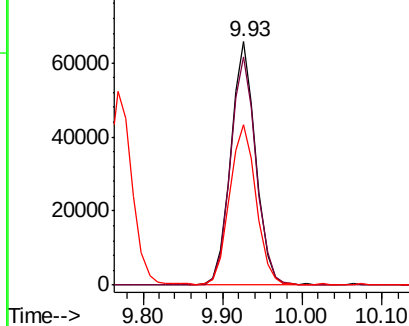
119 65.7 33.5 100.4

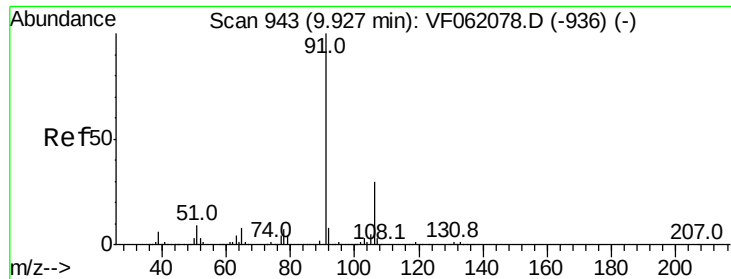


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 55.080 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 620478

Ion Ratio Lower Upper

91 100

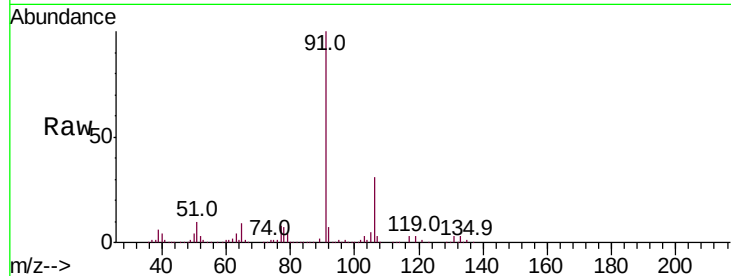
106 30.7 24.0 36.0

Manual Integrations

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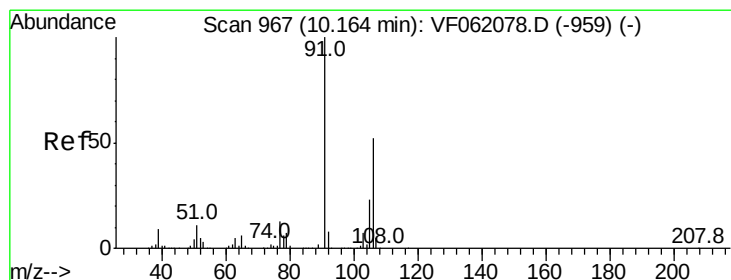
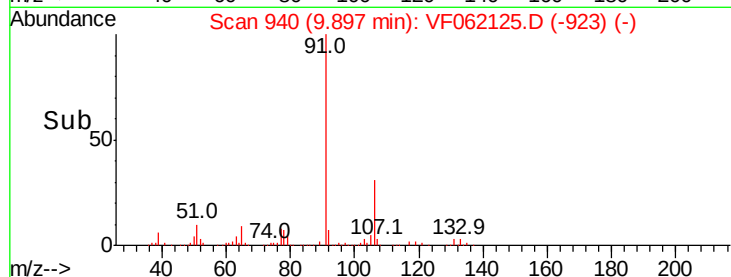
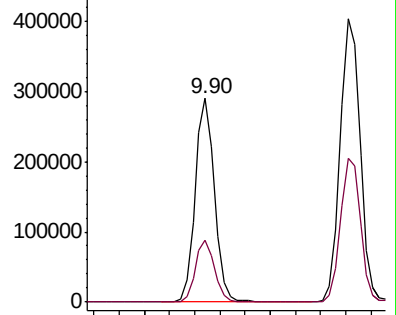
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 106.987 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF062125.D

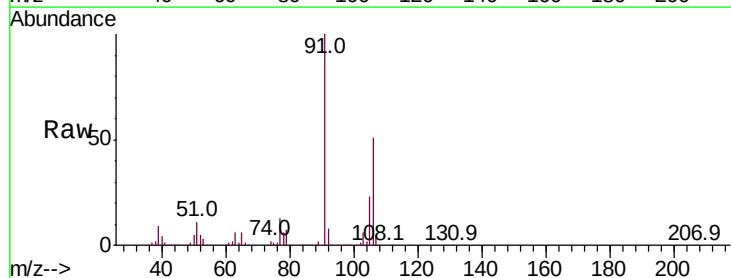
Acq: 23 Mar 2019 19:28

Tgt Ion: 106 Resp: 450461

Ion Ratio Lower Upper

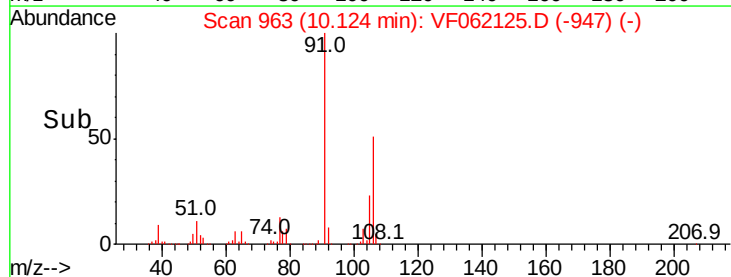
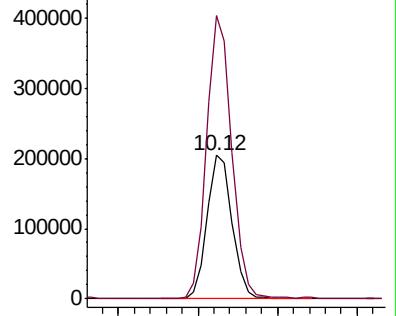
106 100

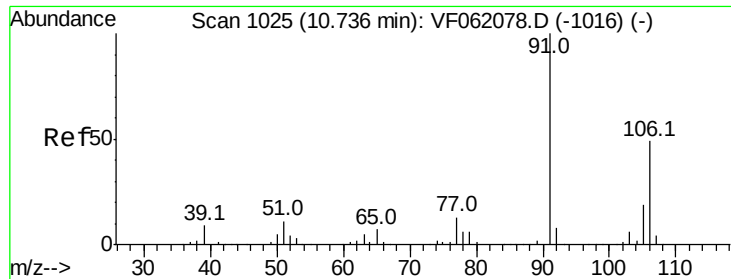
91 197.2 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





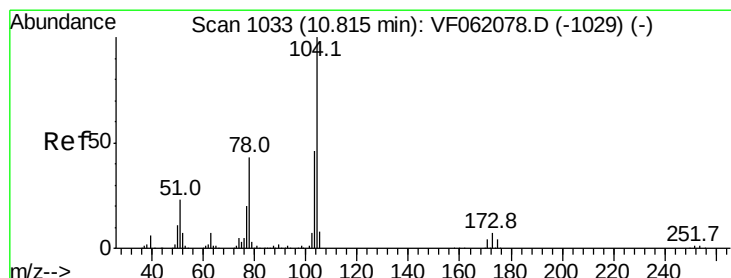
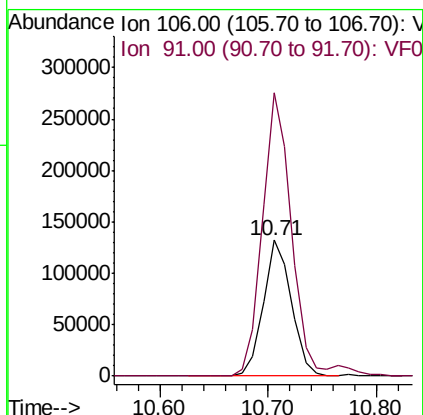
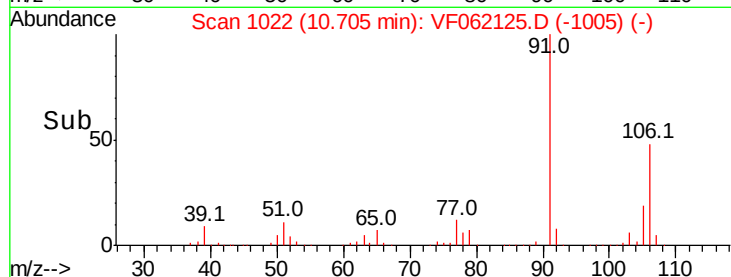
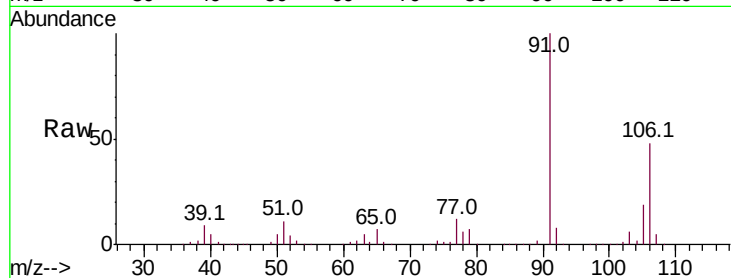
#69
o-Xylene
Concen: 54.938 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 242266
Ion Ratio Lower Upper
106 100
91 208.7 102.6 307.8

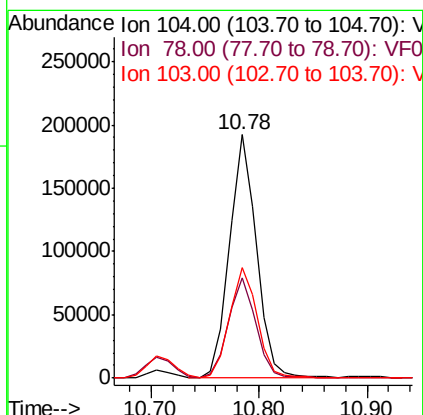
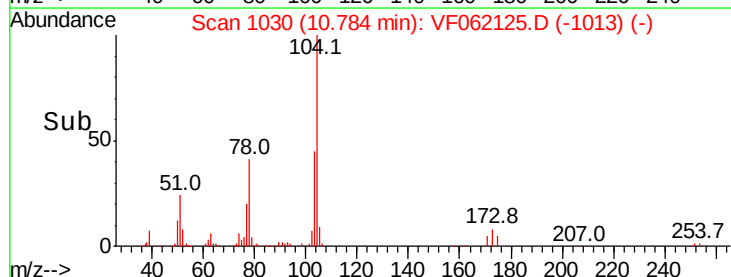
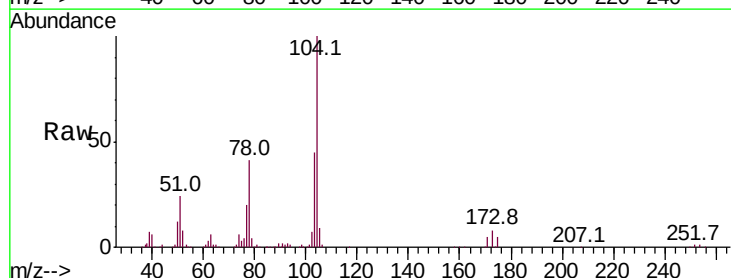
Manual Integrations
APPROVED

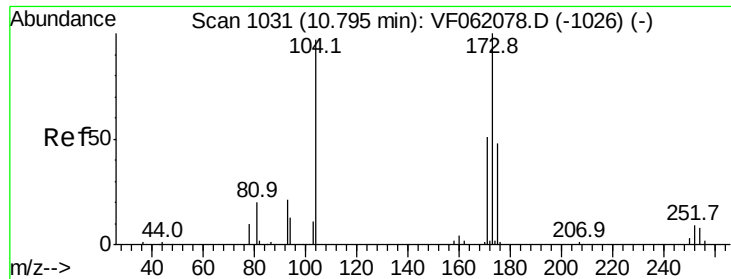
MMDadoda
3/25/2019 12:41:02 PM



#70
Styrene
Concen: 49.720 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion:104 Resp: 332200
Ion Ratio Lower Upper
104 100
78 41.2 34.3 51.5
103 45.4 36.9 55.3





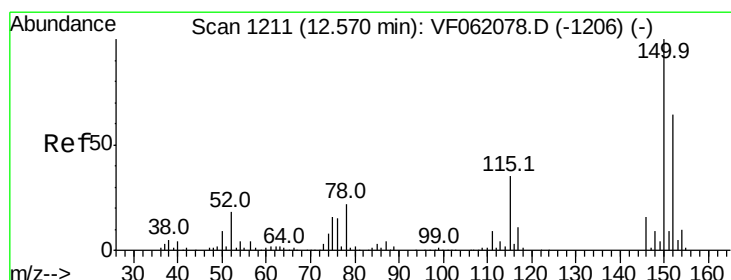
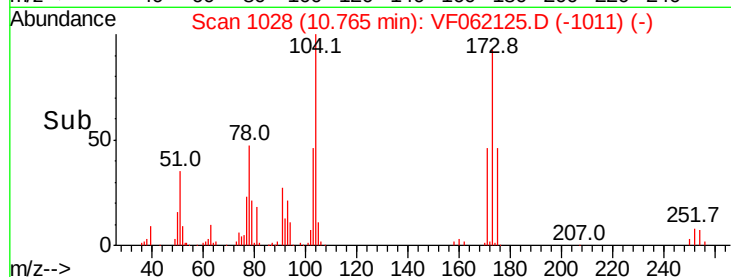
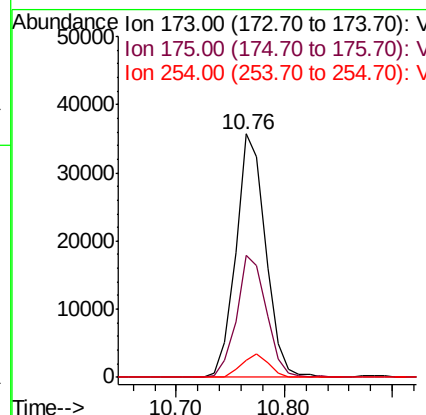
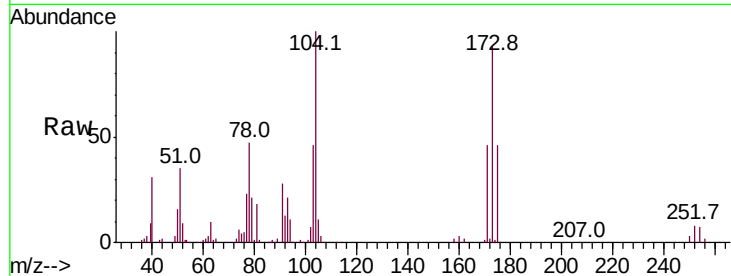
#71
Bromoform
Concen: 51.213 ug/l
RT: 10.76 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.1	72.4
254	7.1	6.2	9.4

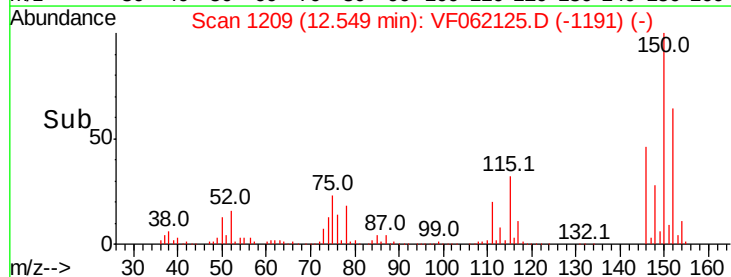
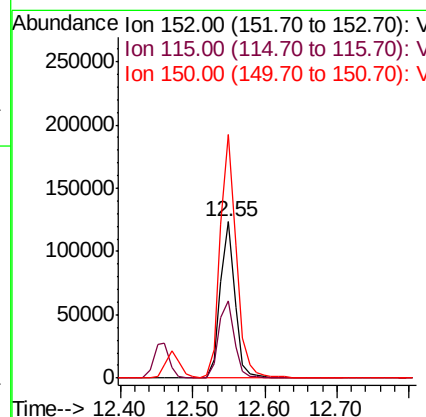
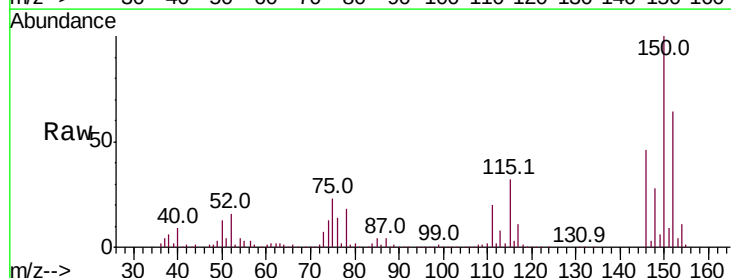
Manual Integrations
APPROVED

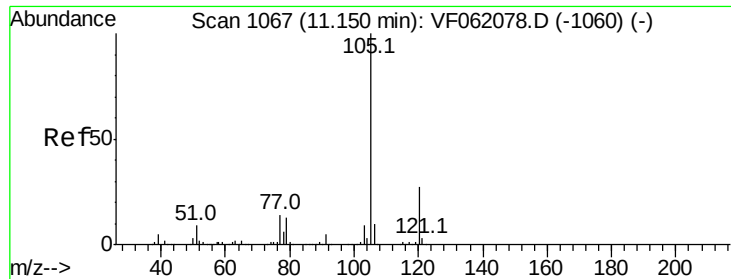
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3/25/2019 12:41:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	27.7	83.1
150	156.0	0.0	313.2





#73

Isopropylbenzene

Concen: 56.929 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 688783

Ion Ratio Lower Upper

105 100

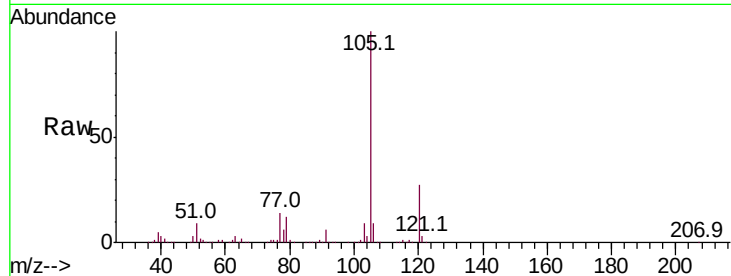
120 27.1 13.8 41.3

Manual Integrations

APPROVED

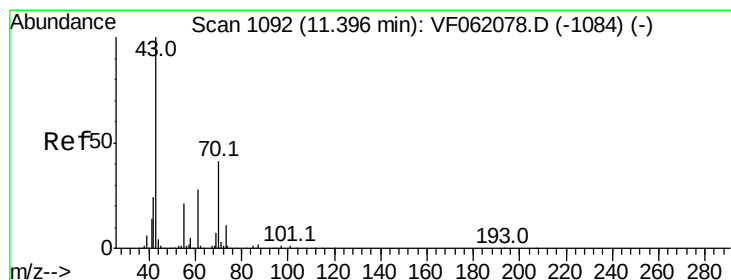
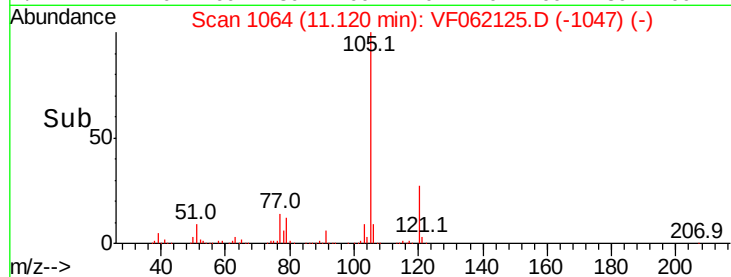
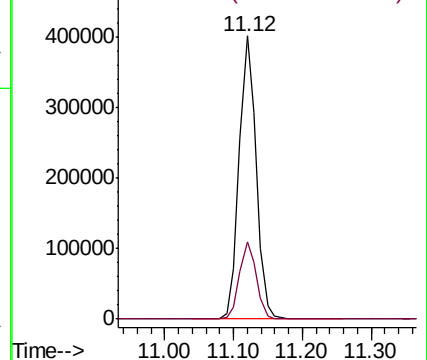
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.499 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion: 43 Resp: 171529

Ion Ratio Lower Upper

43 100

70 39.0 32.9 49.3

55 20.0 17.1 25.7

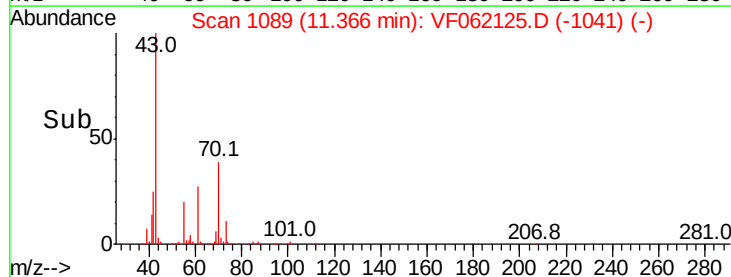
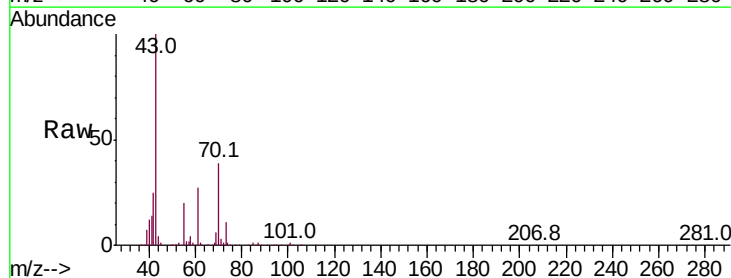
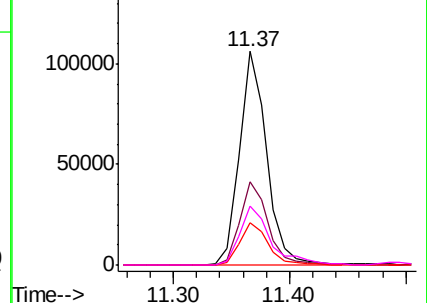
61 27.3 22.2 33.2

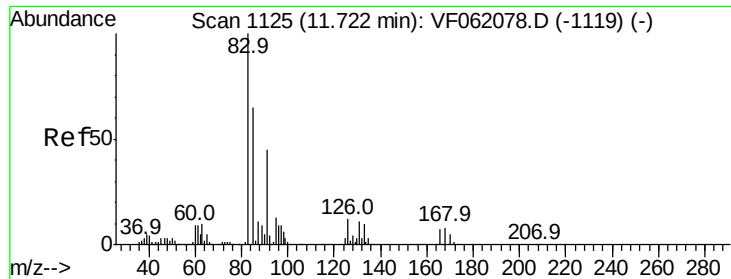
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.128 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

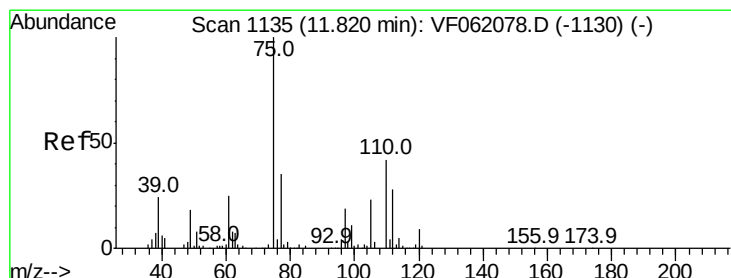
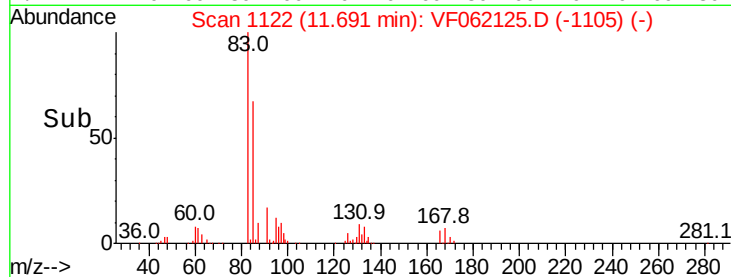
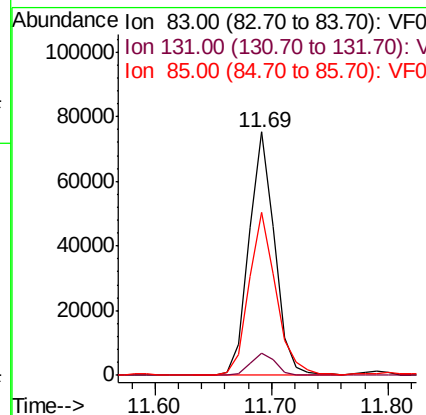
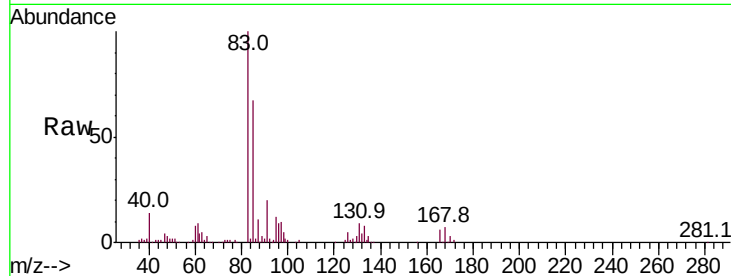
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	114524
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.3	15.8
85	67.1	32.6	98.0

Manual Integrations
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3/25/2019 12:41:02 PM



#76

1,2,3-Trichloropropane

Concen: 53.063 ug/l

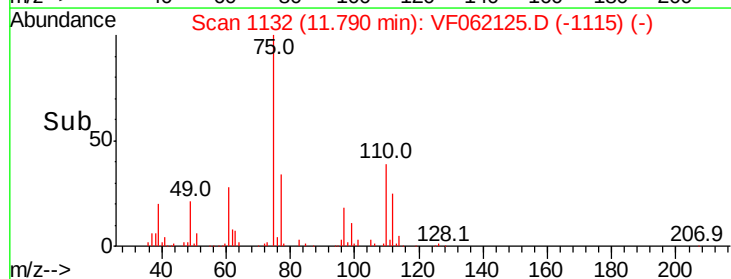
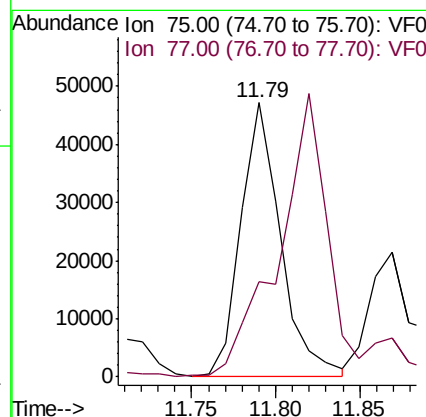
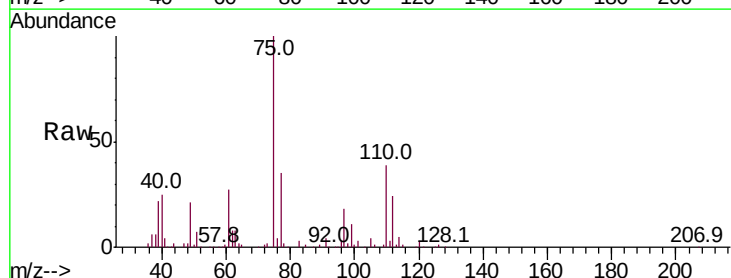
RT: 11.79 min Scan# 1132

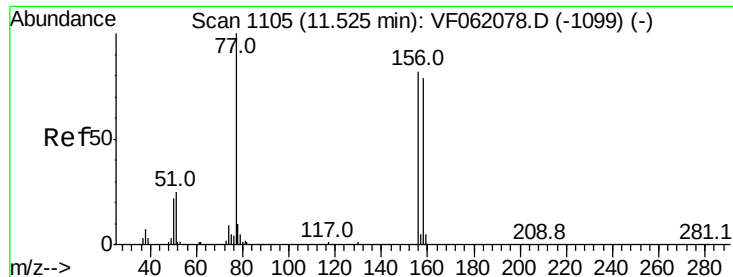
Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	75	Resp:	77578
Ion Ratio	Lower	Upper	
75	100		
77	34.7	17.8	53.3





#77

Bromobenzene

Concen: 52.086 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

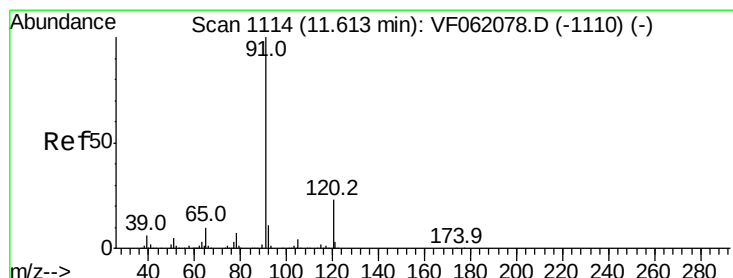
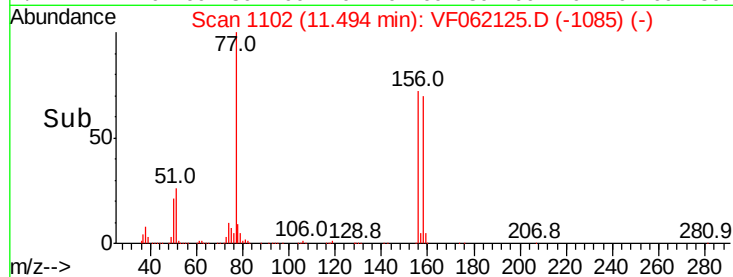
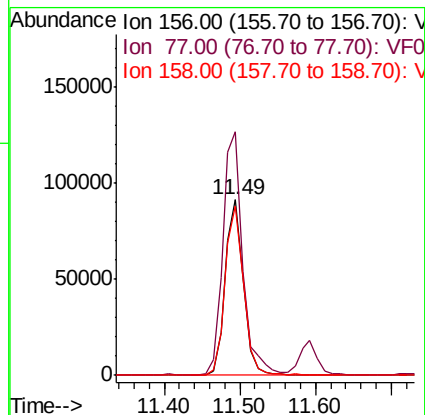
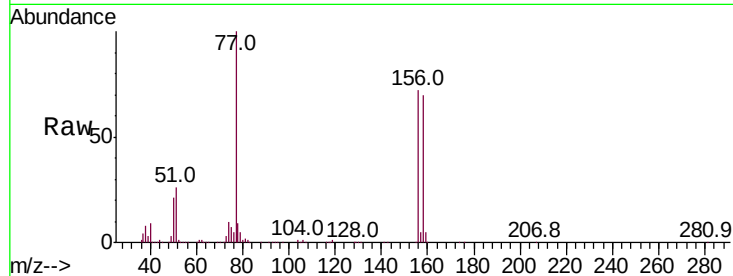
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	153963
Ion Ratio	Lower	Upper	
156	100		
77	138.9	61.3	183.9
158	96.8	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 54.768 ug/l

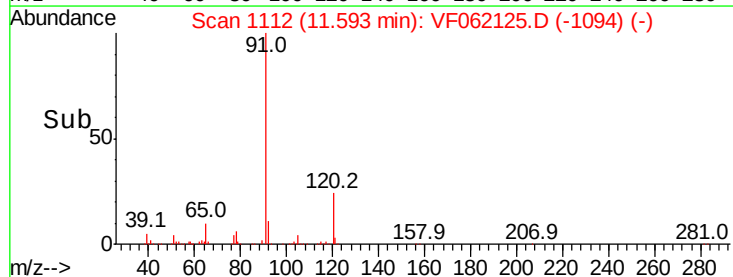
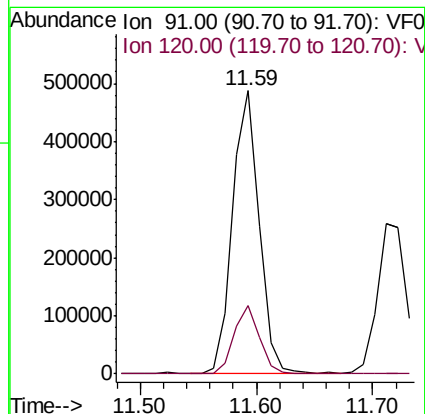
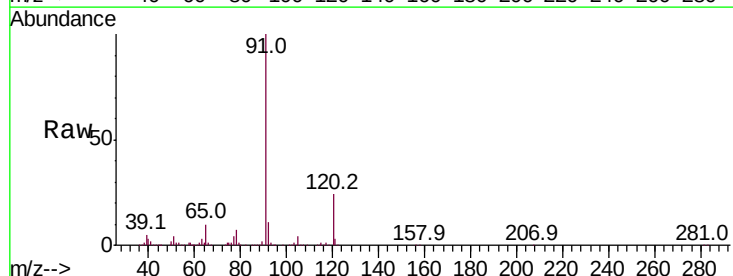
RT: 11.59 min Scan# 1112

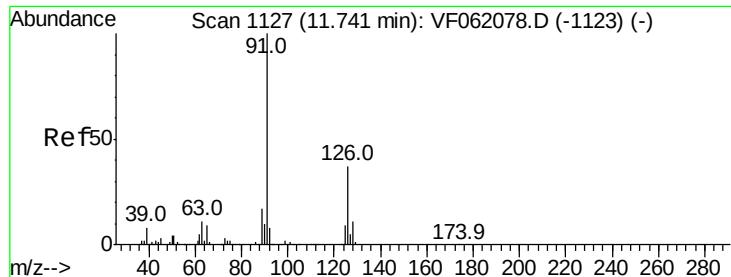
Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	91	Resp:	769439
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.3	33.8





#79

2-Chlorotoluene

Concen: 56.200 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 438859

Ion Ratio Lower Upper

91 100

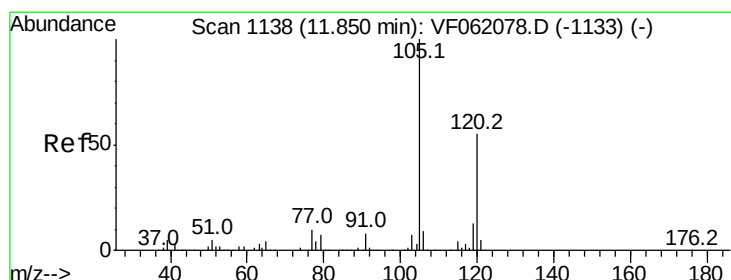
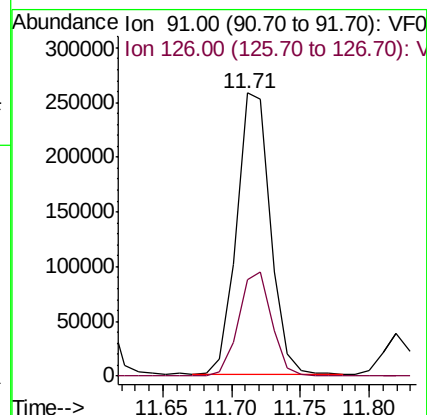
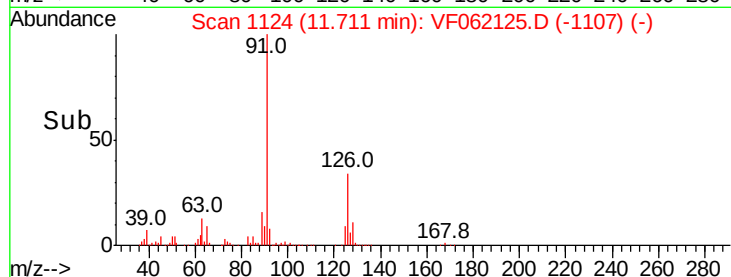
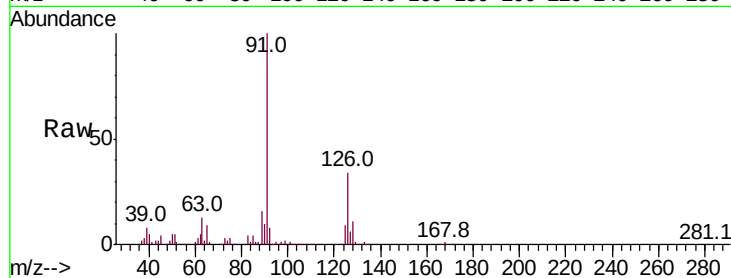
126 33.9 18.3 54.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 57.200 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF062125.D

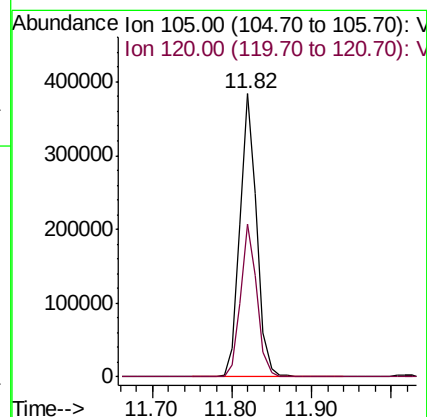
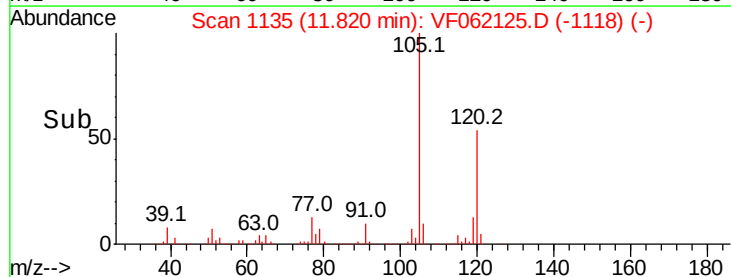
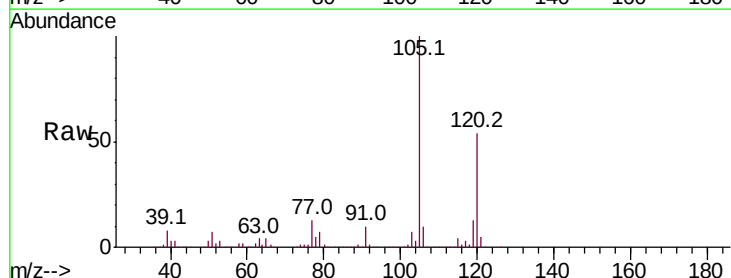
Acq: 23 Mar 2019 19:28

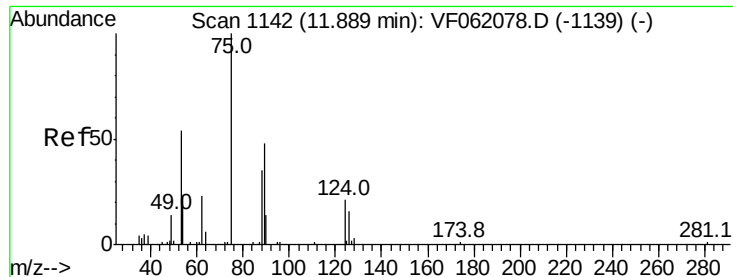
Tgt Ion: 105 Resp: 569252

Ion Ratio Lower Upper

105 100

120 53.9 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.051 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 31604

Ion Ratio Lower Upper

75 100

53 53.5 49.4 74.0

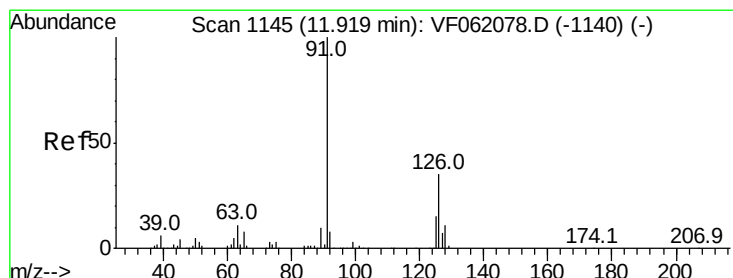
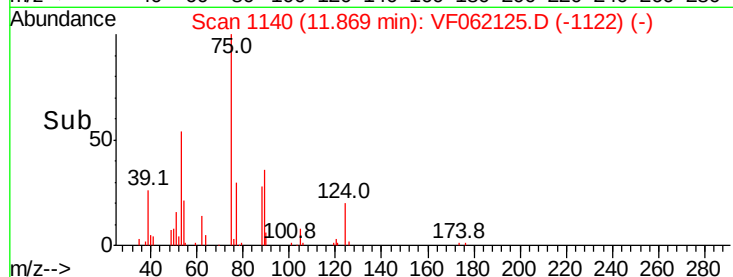
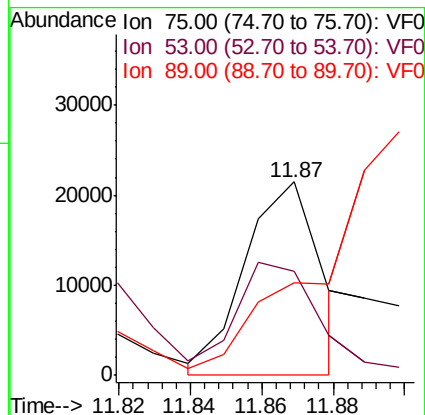
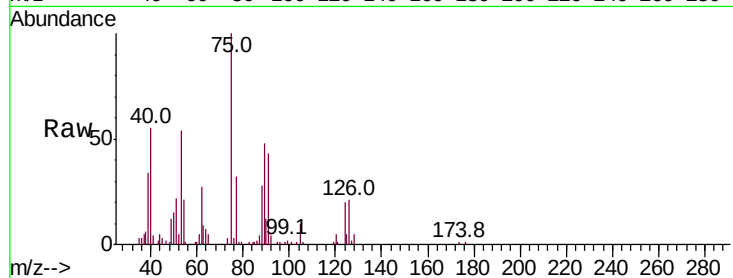
89 47.7 40.6 60.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 53.481 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.02 min

Lab File: VF062125.D

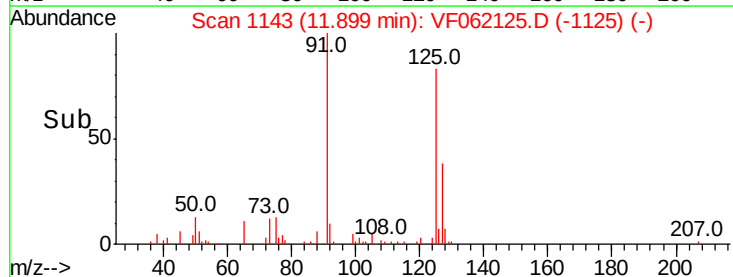
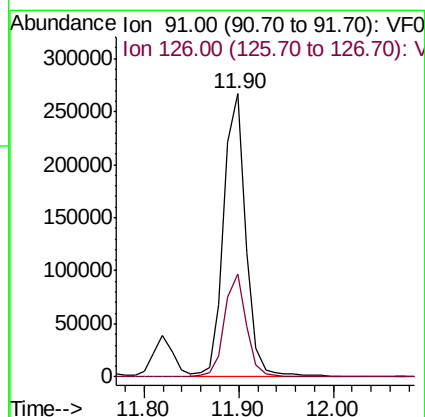
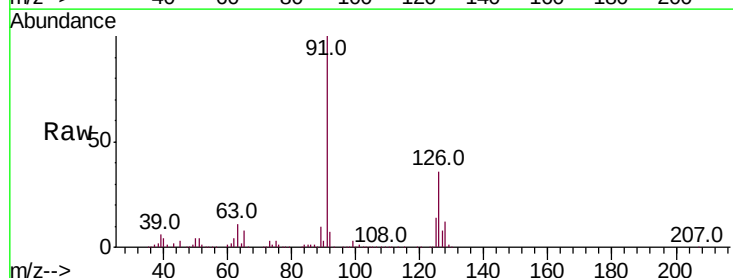
Acq: 23 Mar 2019 19:28

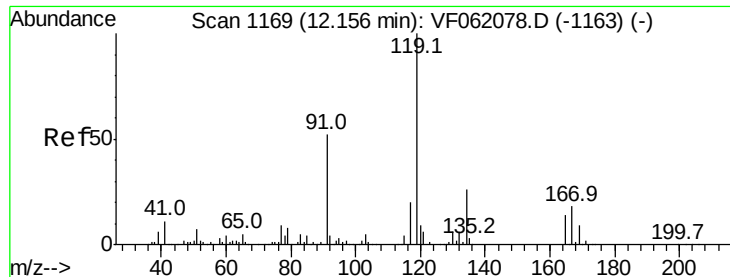
Tgt Ion: 91 Resp: 428204

Ion Ratio Lower Upper

91 100

126 36.2 17.2 51.6





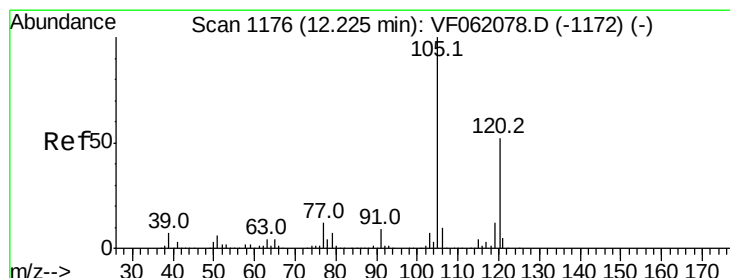
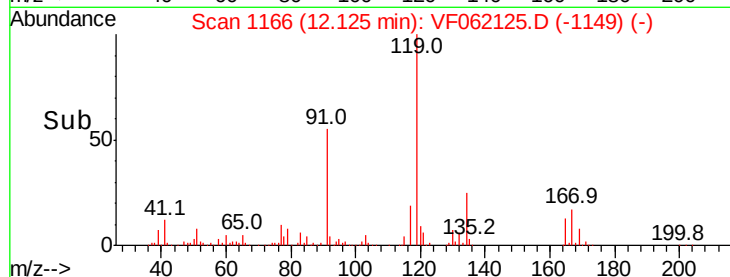
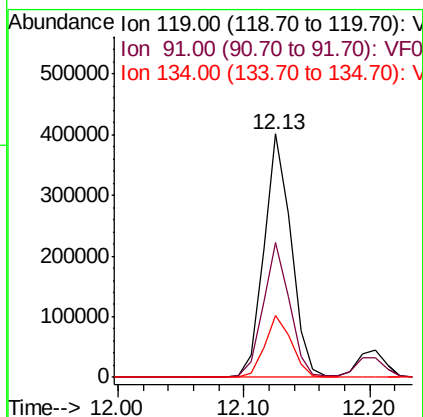
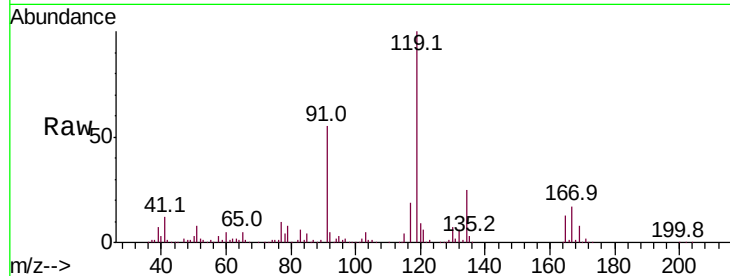
#83
tert-Butylbenzene
Concen: 57.903 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	26.1	78.2
134	25.2	12.8	38.4

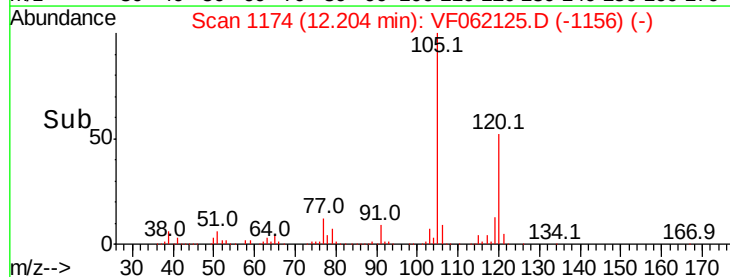
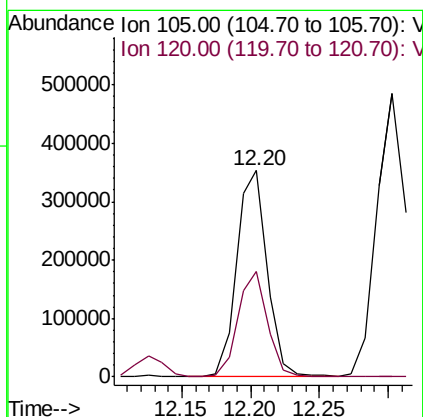
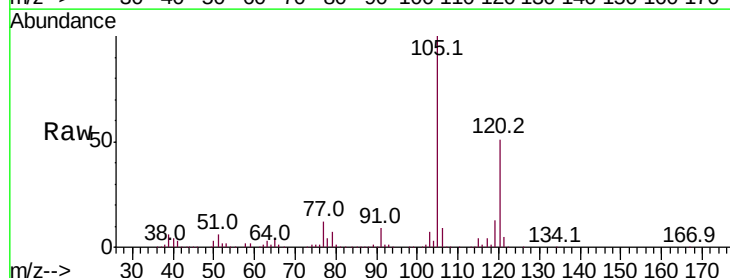
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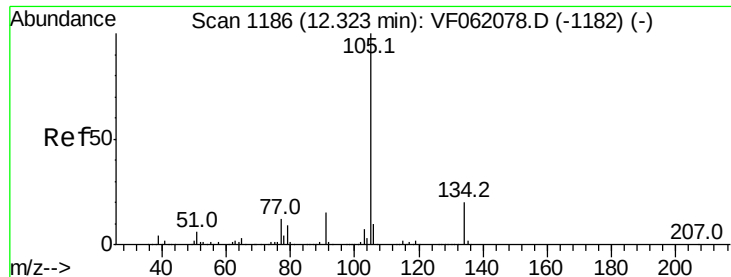
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#84
1,2,4-Trimethylbenzene
Concen: 55.545 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.4	26.1	78.2





#85

sec-Butylbenzene

Concen: 54.592 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 735739

Ion Ratio Lower Upper

105 100

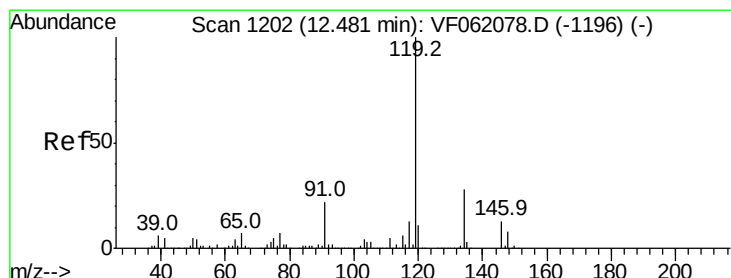
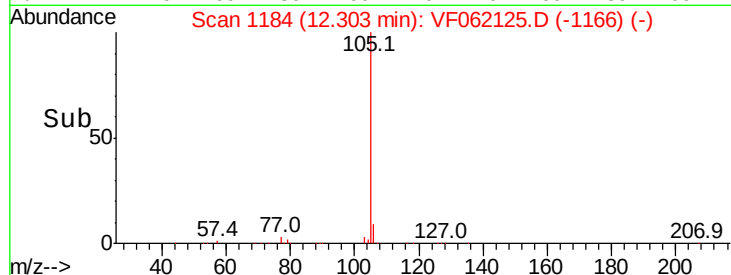
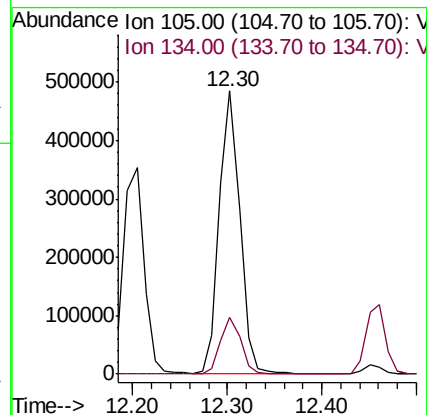
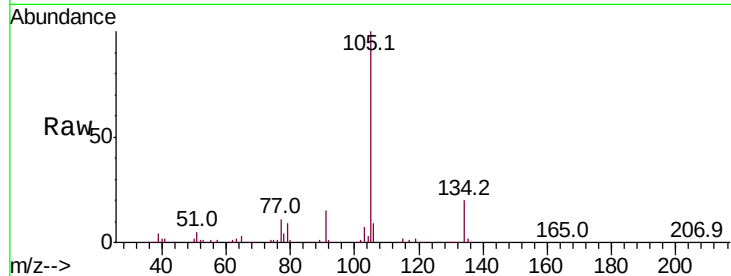
134 20.2 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 56.612 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

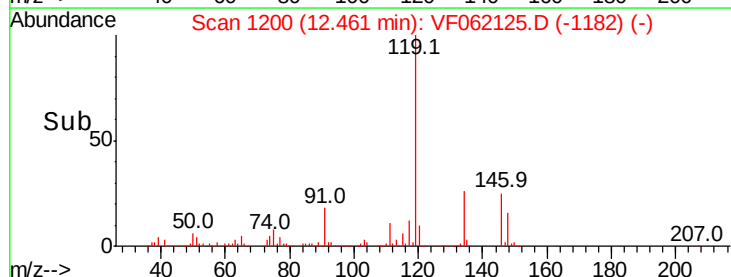
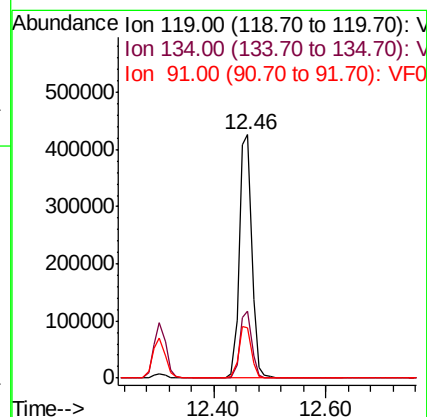
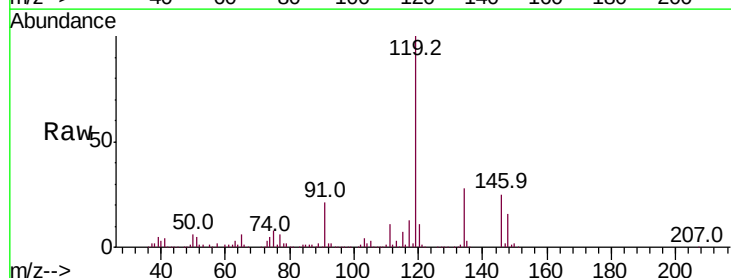
Tgt Ion:119 Resp: 661012

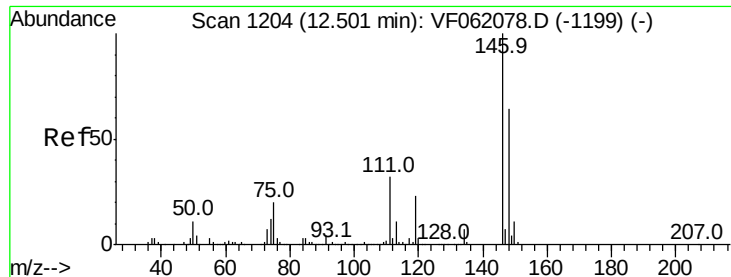
Ion Ratio Lower Upper

119 100

134 27.7 14.0 42.0

91 20.5 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 54.188 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

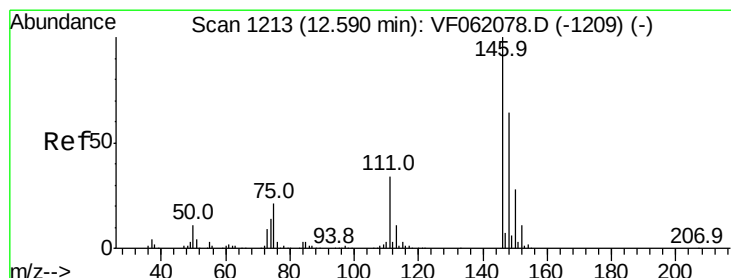
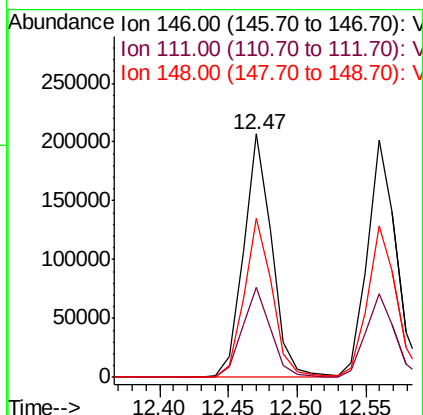
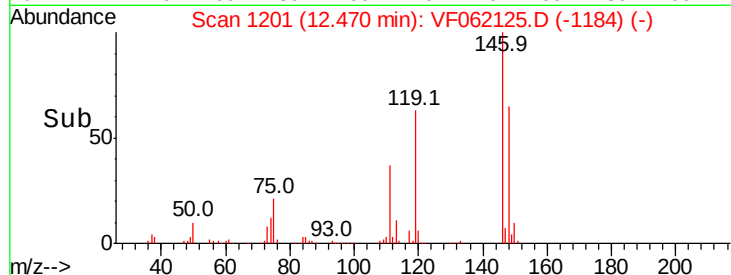
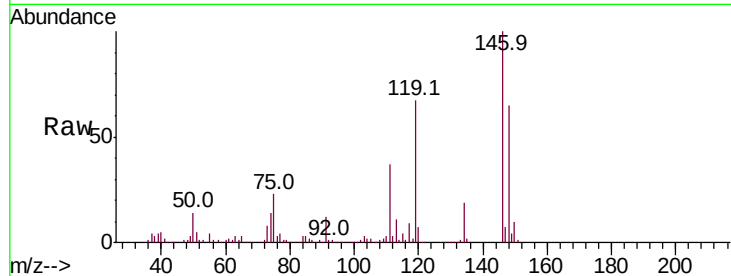
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	297594
Ion Ratio	Lower	Upper	
146	100		
111	36.9	16.1	48.3
148	65.2	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 55.041 ug/l

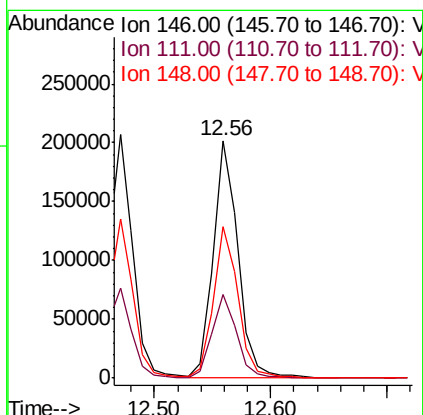
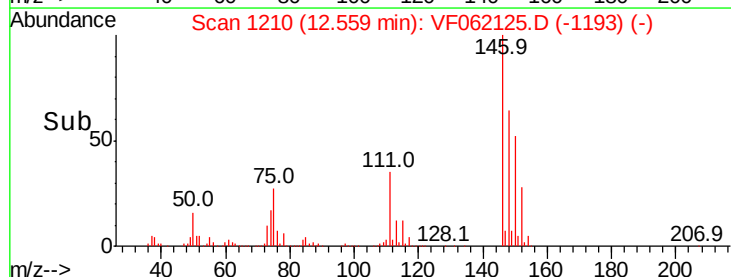
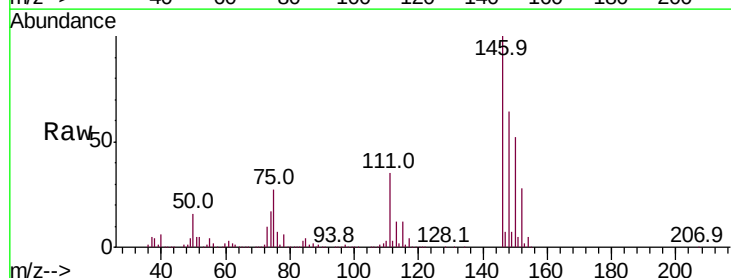
RT: 12.56 min Scan# 1210

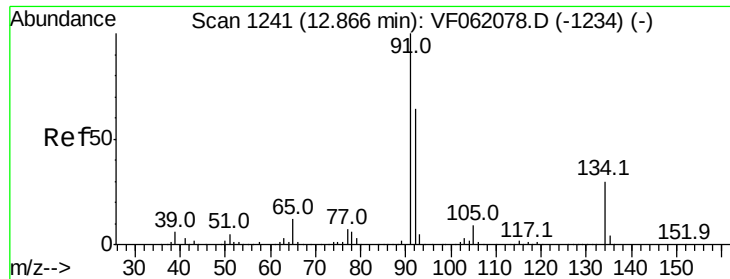
Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	146	Resp:	294962
Ion Ratio	Lower	Upper	
146	100		
111	35.2	16.9	50.6
148	63.8	31.9	95.7





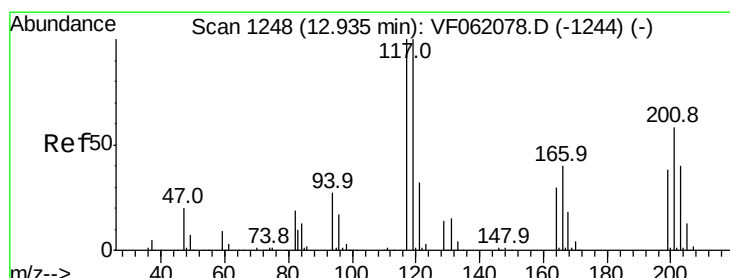
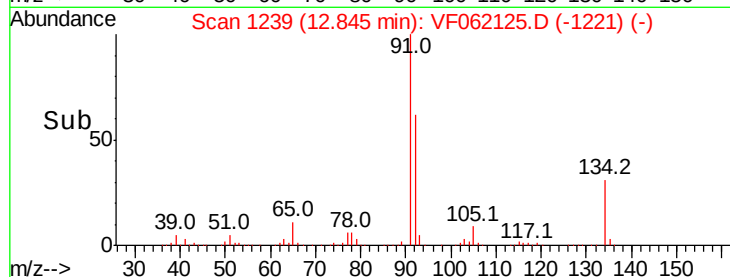
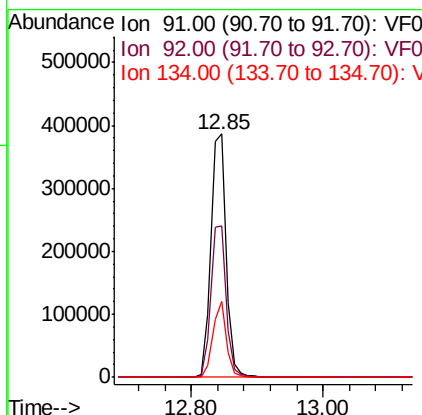
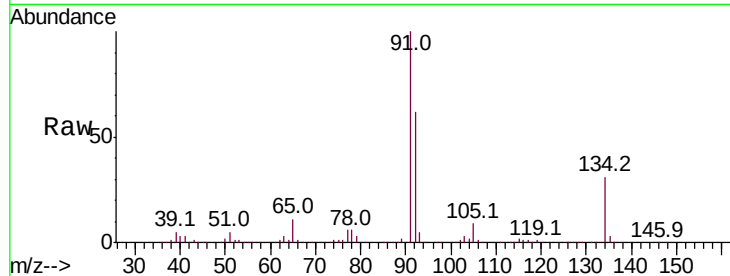
#89
n-Butylbenzene
Concen: 54.438 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.1	31.9	95.5
134	31.0	14.9	44.9

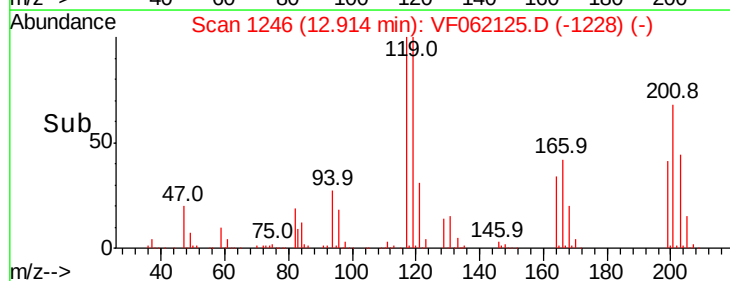
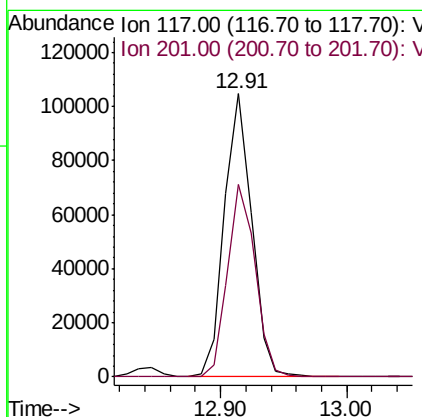
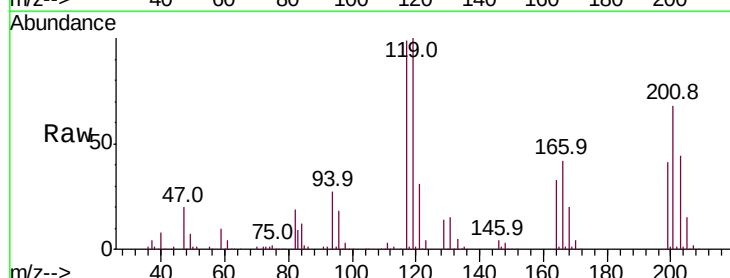
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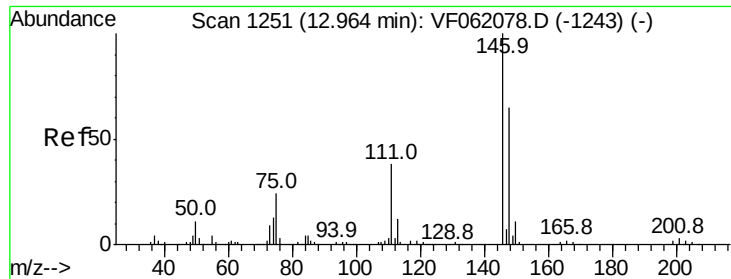
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#90
Hexachloroethane
Concen: 56.850 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	28.7	86.1





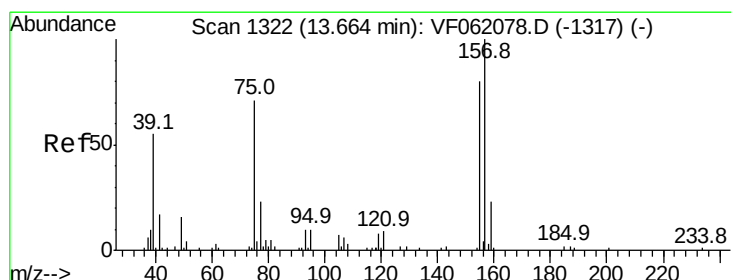
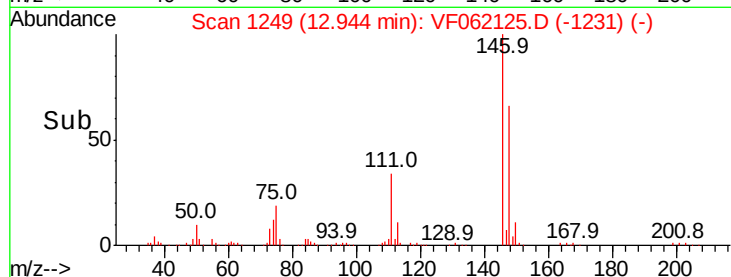
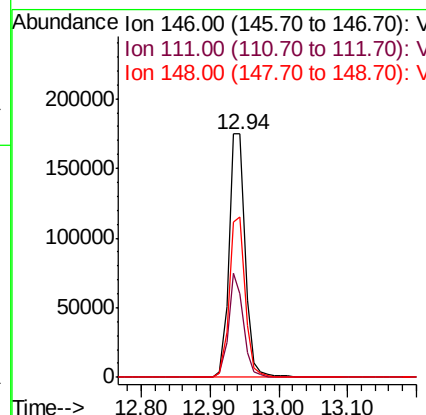
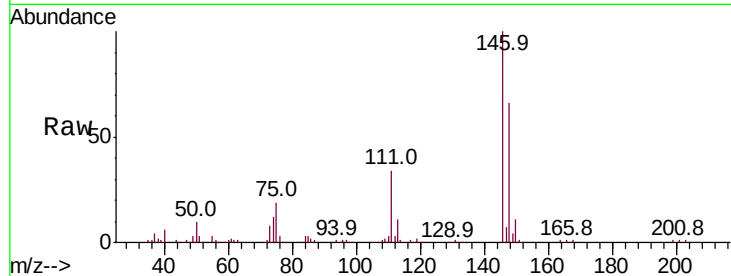
#91
 1,2-Dichlorobenzene
 Concen: 54.960 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	283415		
111	34.3	19.1	57.3	
148	66.1	32.8	98.3	

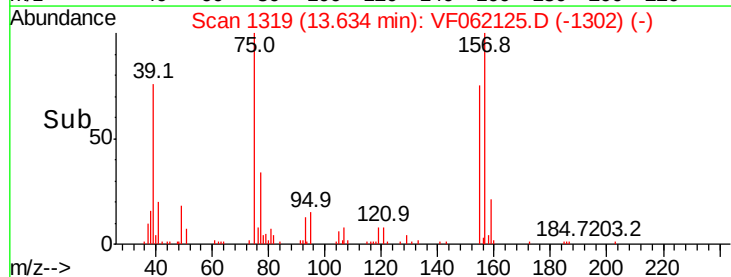
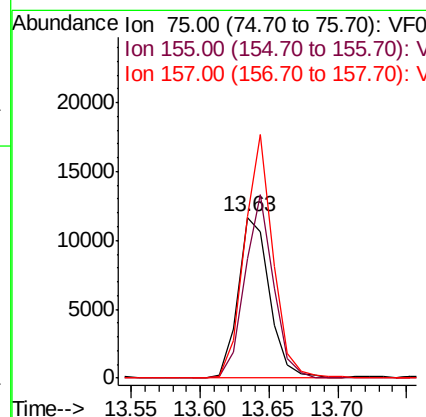
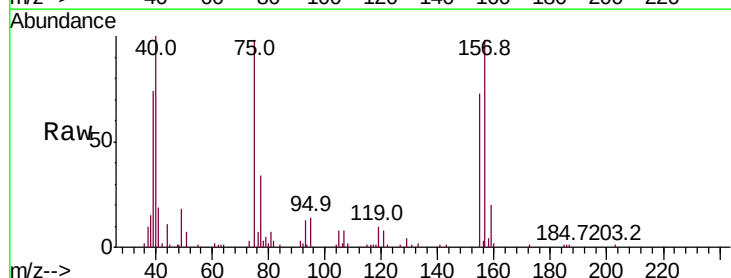
Manual Integrations
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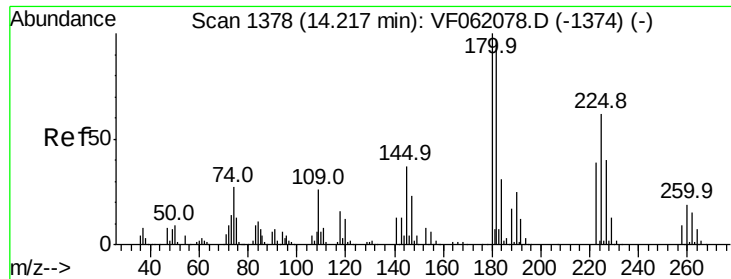
MMDadoda
 3/25/2019 12:41:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.231 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18644		
155	74.7	56.1	168.4	
157	100.2	70.4	211.2	





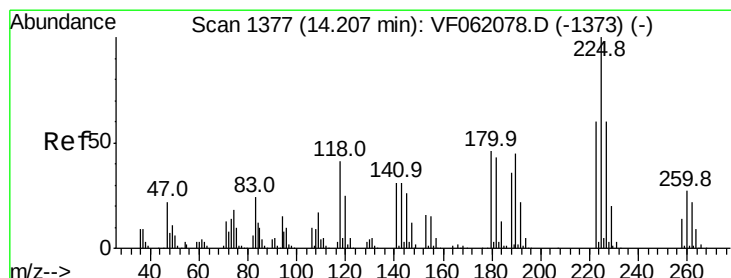
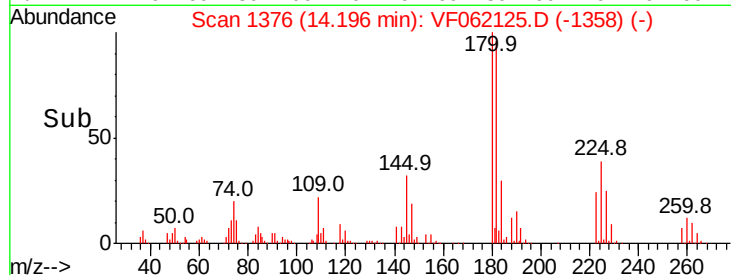
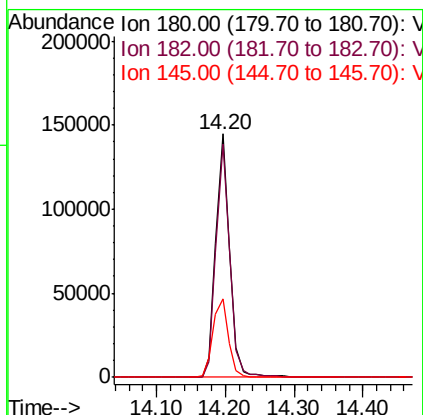
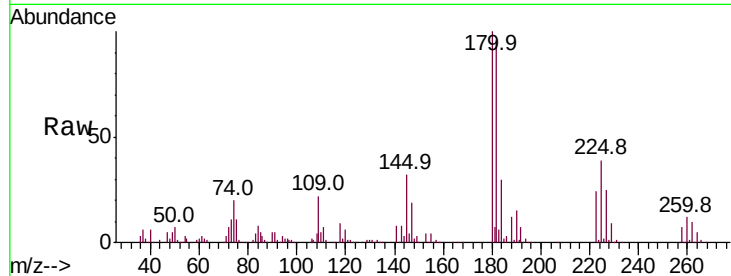
#93
1,2,4-Trichlorobenzene
Concen: 56.679 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	203706		
182	95.7	48.7	146.1	
145	32.0	18.3	54.8	

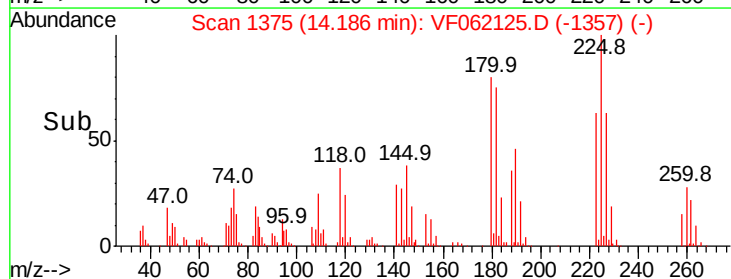
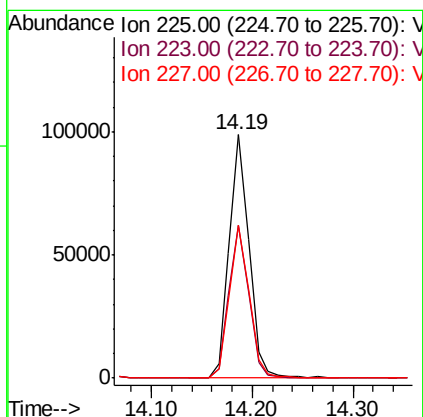
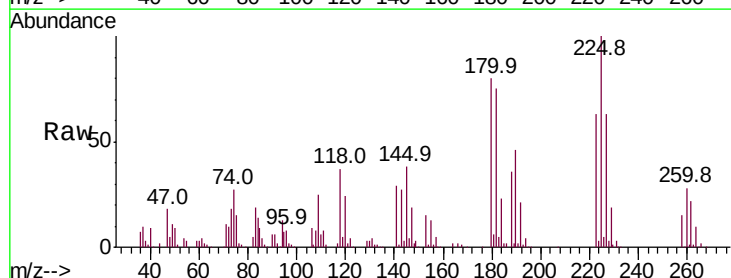
Manual Integrations
APPROVED

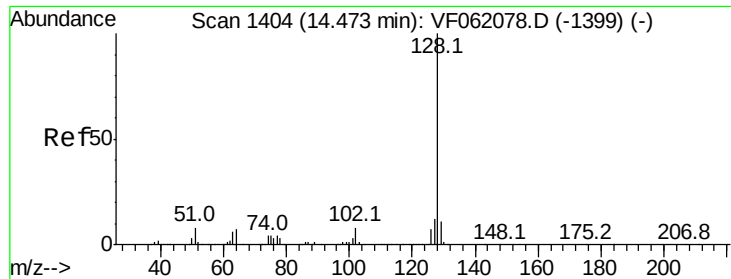
MMDadoda
3/25/2019 12:41:02 PM



#94
Hexachlorobutadiene
Concen: 56.713 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135527		
223	62.6	30.0	90.0	
227	62.9	30.2	90.6	





#95

Naphthalene

Concen: 57.077 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

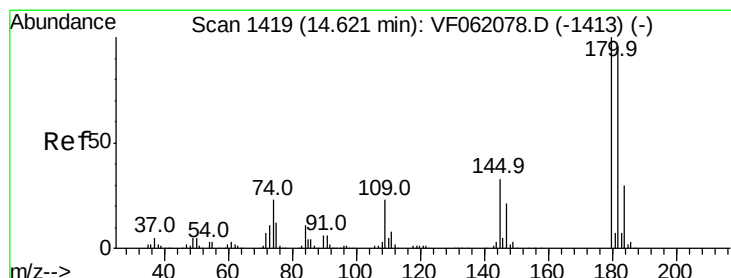
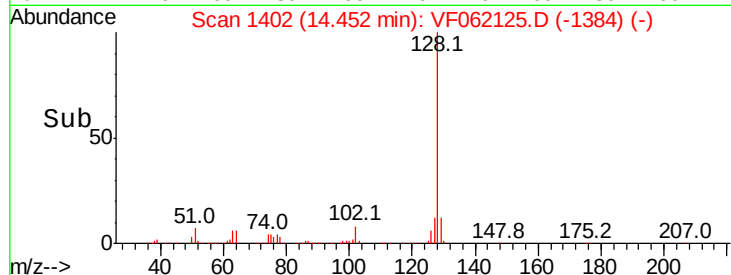
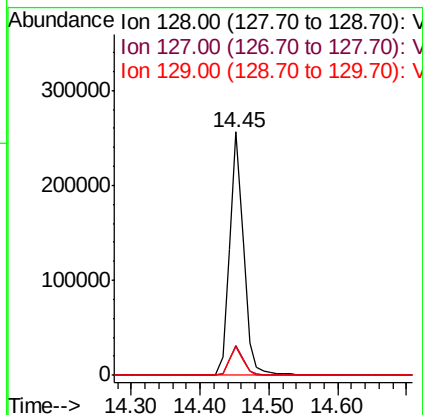
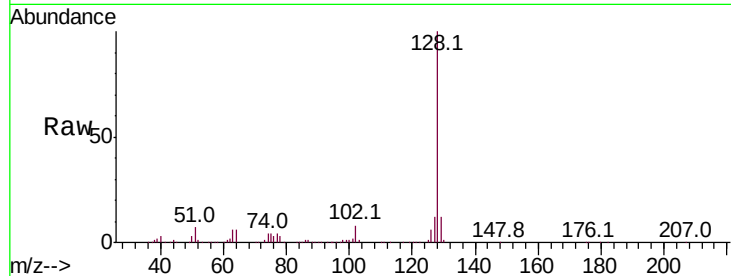
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	359482
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.5	14.3
129	11.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 12:41:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 57.092 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion:	180	Resp:	192069
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	30.8	16.6	49.7

