

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062174.D
 Acq On : 16 Apr 2019 13:14
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:50:32 AM

Quant Time: Apr 17 07:51:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	441525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	691559	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	575270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	275571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	404035	101.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.16%	
35) Dibromofluoromethane	4.31	113	522805	95.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.68%	
50) Toluene-d8	7.72	98	1528397	95.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.76%	
62) 4-Bromofluorobenzene	11.50	95	607640	96.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	567009	87.374	ug/l	99
3) Chloromethane	1.14	50	636858	91.301	ug/l	96
4) Vinyl Chloride	1.19	62	550056	90.069	ug/l	98
5) Bromomethane	1.38	94	338810	86.438	ug/l	96
6) Chloroethane	1.44	64	258564	89.488	ug/l	98
7) Trichlorofluoromethane	1.55	101	651196	89.413	ug/l	99
8) Diethyl Ether	1.71	74	135815	92.437	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	424498	89.046	ug/l	98
10) Methyl Iodide	1.97	142	799520	89.972	ug/l	99
11) Tert butyl alcohol	2.69	59	100962	457.898	ug/l	94
12) 1,1-Dichloroethene	1.86	96	417330	86.082	ug/l	98
14) Allvl chloride	2.20	41	732785	100.381	ug/l	97
15) Acrylonitrile	3.08	53	339716	418.435	ug/l	99
16) Acetone	2.34	43	381280	425.134	ug/l	98
17) Carbon Disulfide	1.91	76	1228398	89.094	ug/l	100
18) Methyl Acetate	2.46	43	157155	73.857	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	728622	90.354	ug/l	99
20) Methylene Chloride	2.32	84	388975	75.697	ug/l	99
21) trans-1,2-Dichloroethene	2.42	96	416757	89.846	ug/l	95
22) Diisopropyl ether	2.93	45	1236529	91.127	ug/l	99
23) Vinyl Acetate	3.35	43	3047282	450.204	ug/l	98
24) 1,1-Dichloroethane	3.01	63	680298	90.030	ug/l	100
25) 2-Butanone	4.52	43	856371	444.373	ug/l	99
26) 2,2-Dichloropropane	3.78	77	345742	86.989	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	540657	87.807	ug/l	96
28) Bromochloromethane	3.90	49	350497	96.868	ug/l	93
29) Tetrahydrofuran	4.27	42	349188	407.497	ug/l	96
30) Chloroform	4.05	83	841844	89.611	ug/l	100
31) Cyclohexane	3.88	56	830858	85.177	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	578052	90.236	ug/l	99
36) 1,1-Dichloropropene	4.47	75	669156	87.088	ug/l	98
37) Ethyl Acetate	4.30	43	294945	83.306	ug/l	97
38) Carbon Tetrachloride	4.19	117	630676m	93.848	ug/l	
39) Methylcyclohexane	5.64	83	848890	88.161	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.83	78	1776837	87.544	ug/l	99
41) Methacrylonitrile	4.94	41	180897	85.035	ug/l	98
42) 1,2-Dichloroethane	5.12	62	442003	86.043	ug/l	98
43) Isopropyl Acetate	7.11	43	374197	90.943	ug/l #	97
44) Trichloroethene	5.68	130	473947	87.243	ug/l	100
45) 1,2-Dichloropropane	6.40	63	442737	88.918	ug/l	95
46) Dibromomethane	6.26	93	268572	89.449	ug/l	98
47) Bromodichloromethane	6.55	83	598770	88.026	ug/l	98
48) Methyl methacrylate	6.88	41	234149	87.425	ug/l	95
49) 1,4-Dioxane	6.87	88	32222	1543.887	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	1332734	422.802	ug/l	95
52) Toluene	7.78	92	1053140	88.326	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	533962	90.626	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	648494	86.557	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	310865	91.031	ug/l	97
56) Ethyl methacrylate	8.76	69	360426	88.760	ug/l	98
57) 1,3-Dichloropropane	9.00	76	493526	87.907	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	493426	471.618	ug/l	95
59) 2-Hexanone	9.62	43	850533	423.974	ug/l	99
60) Dibromochloromethane	8.86	129	418963	89.168	ug/l	99
61) 1,2-Dibromoethane	9.13	107	334496	91.554	ug/l	98
64) Tetrachloroethene	8.31	164	404194	86.026	ug/l	99
65) Chlorobenzene	9.93	112	1065014	88.995	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	421775	85.370	ug/l	98
67) Ethyl Benzene	10.03	91	1858535	83.781	ug/l	96
68) m/p-Xylenes	10.26	106	1399968	171.404	ug/l	88
69) o-Xylene	10.82	106	763016	86.302	ug/l	92
70) Stvrene	10.89	104	1076705	83.776	ug/l	98
71) Bromoform	10.88	173	226070	87.377	ug/l #	96
73) Isopropylbenzene	11.21	105	1956645	82.418	ug/l	95
74) N-amyl acetate	11.45	43	509493	82.336	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	373525	88.323	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	254679	88.876	ug/l	93
77) Bromobenzene	11.58	156	443571	89.841	ug/l	93
78) n-propylbenzene	11.67	91	2190142	81.161	ug/l	98
79) 2-Chlorotoluene	11.80	91	1347391	84.707	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	1583368	79.968	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	133481m	86.565	ug/l	
82) 4-Chlorotoluene	11.97	91	1313766	84.280	ug/l	94
83) tert-Butylbenzene	12.20	119	1584047	80.568	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	1536506	79.961	ug/l	93
85) sec-Butylbenzene	12.37	105	2121496	82.059	ug/l	93
86) p-Isopropyltoluene	12.52	119	1789976	81.270	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	770446	85.291	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	749592	85.111	ug/l	94
89) n-Butylbenzene	12.90	91	1734332	78.675	ug/l	95
90) Hexachloroethane	12.97	117	465272	86.239	ug/l	87
91) 1,2-Dichlorobenzene	13.00	146	730881	84.311	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	69384	91.093	ug/l	86
93) 1,2,4-Trichlorobenzene	14.24	180	557573	85.640	ug/l	97

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QLast Update : Wed Apr 17 07:22:58 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.23	225	386348	91.054	ug/l	99
95) Naphthalene	14.50	128	1066810	93.787	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	549785	90.636	ug/l	97

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

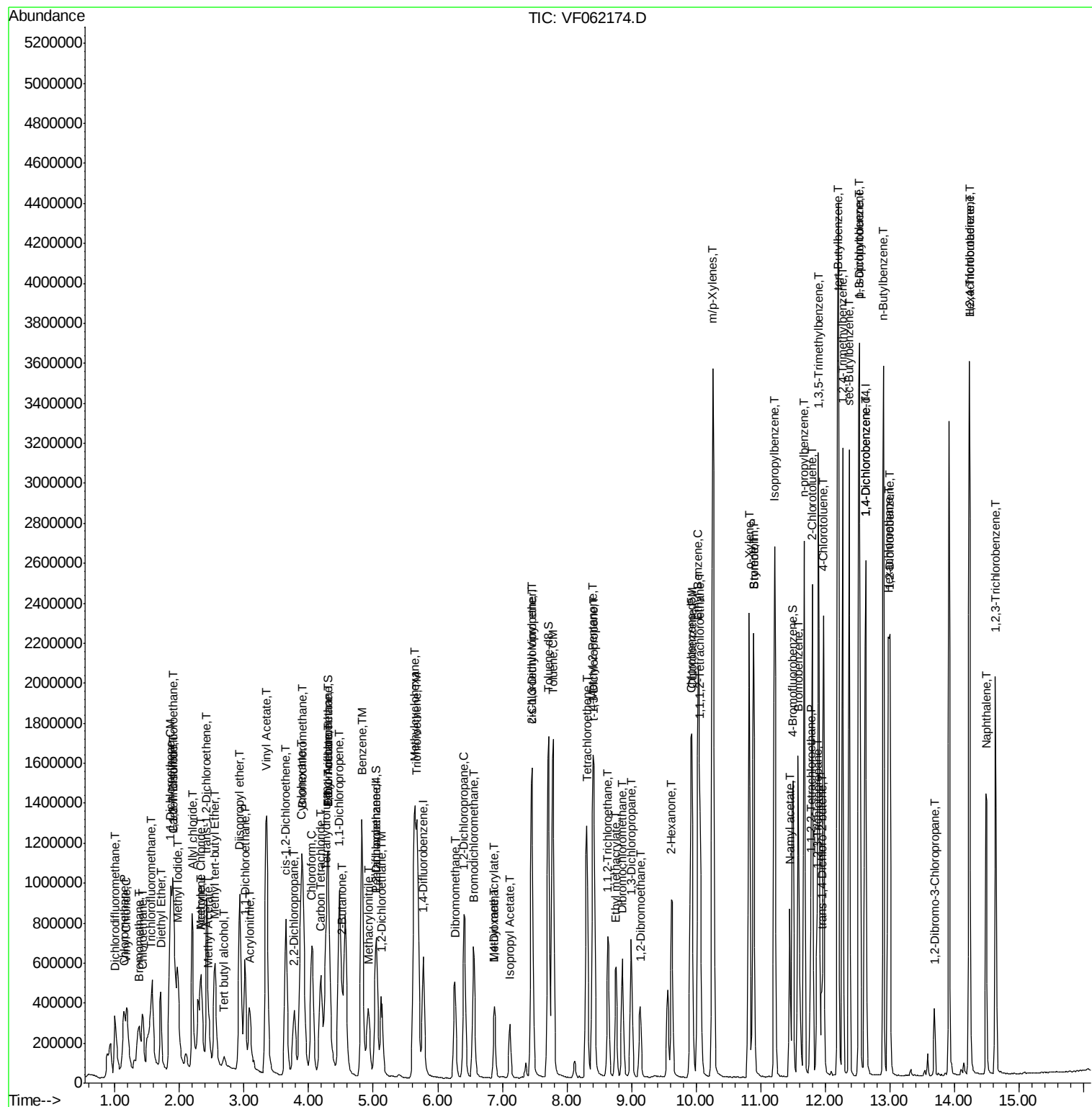
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\
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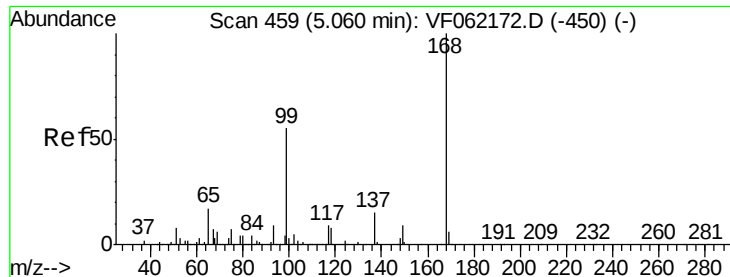
Instrument :
MSVOA_F
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 441525

Ion Ratio Lower Upper

168 100

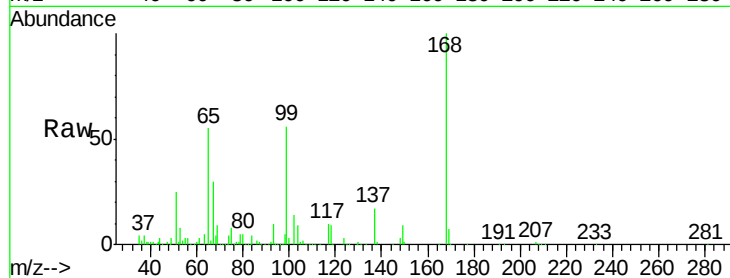
99 55.9 44.2 66.4

Manual Integrations

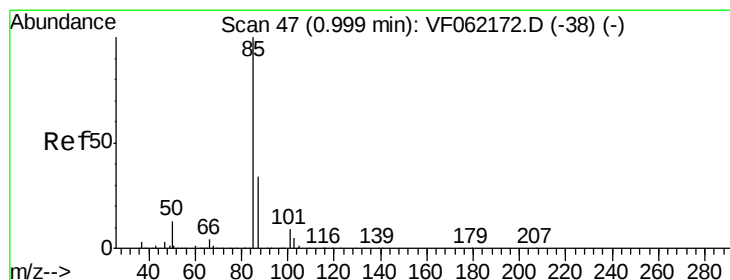
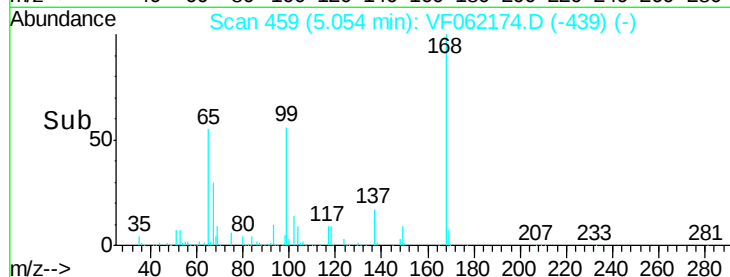
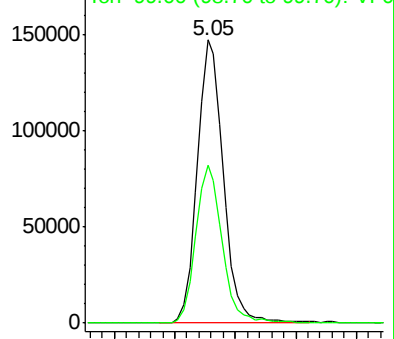
APPROVED

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4/17/2019 11:50:32 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 87.374 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062174.D

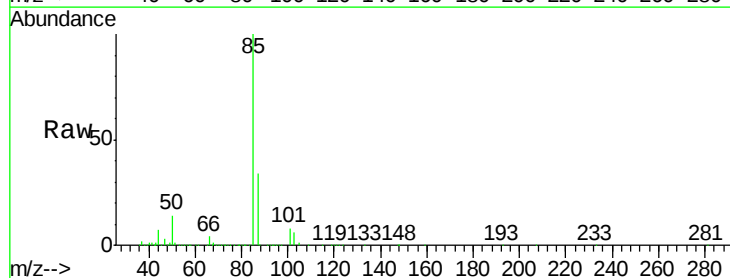
Acq: 16 Apr 2019 13:14

Tgt Ion: 85 Resp: 567009

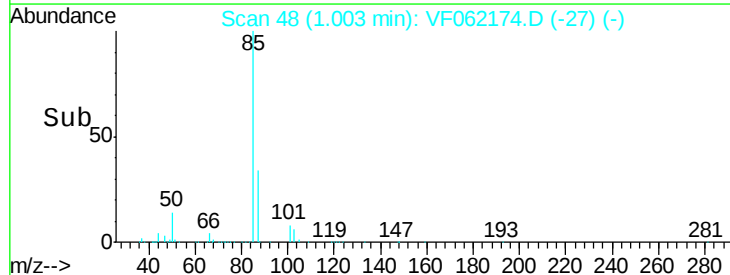
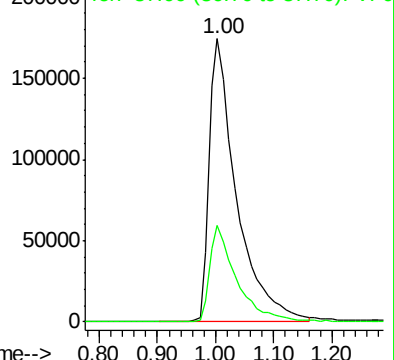
Ion Ratio Lower Upper

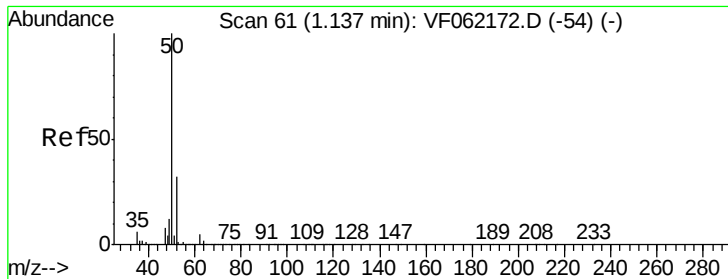
85 100

87 34.1 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 91.301 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 636858

Ion Ratio Lower Upper

50 100

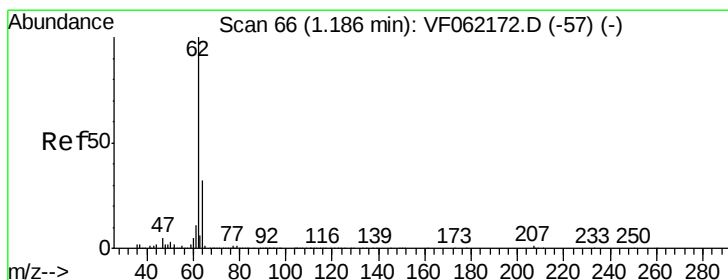
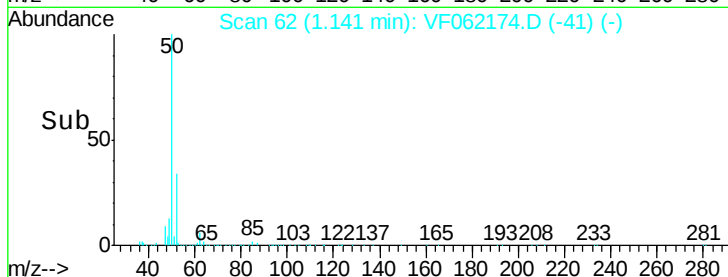
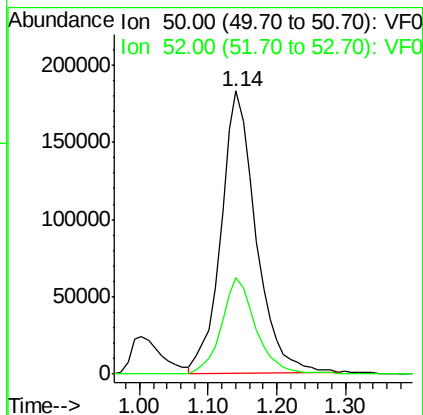
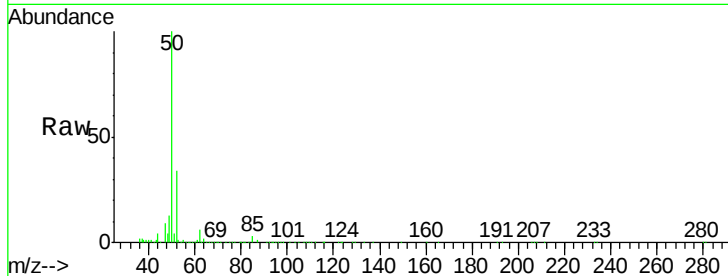
52 34.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 90.069 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062174.D

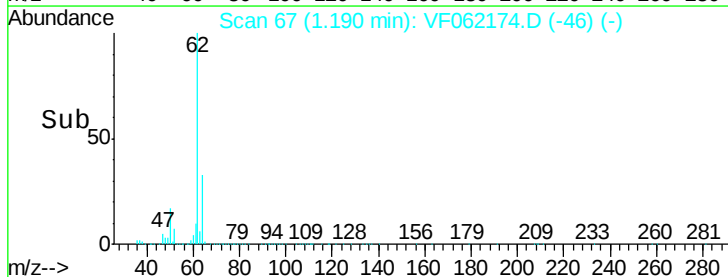
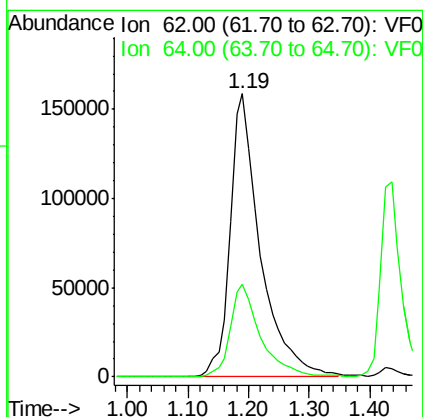
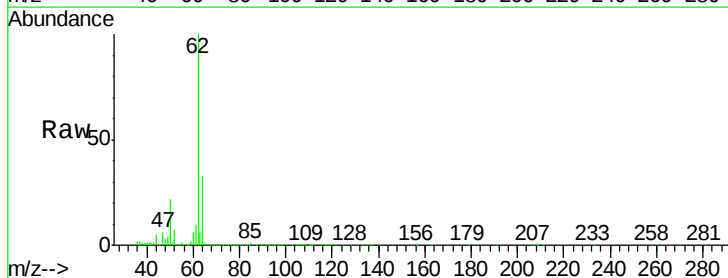
Acq: 16 Apr 2019 13:14

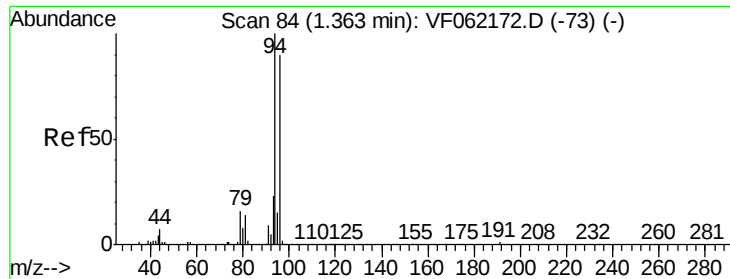
Tgt Ion: 62 Resp: 550056

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 86.438 ug/l

RT: 1.38 min Scan# 86

Delta R.T. 0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 338810

Ion Ratio Lower Upper

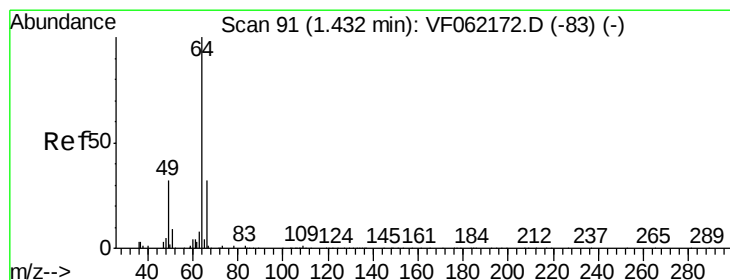
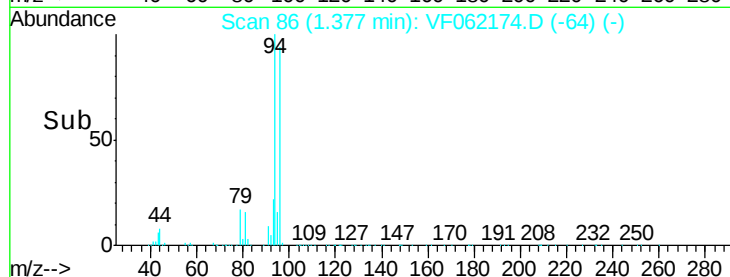
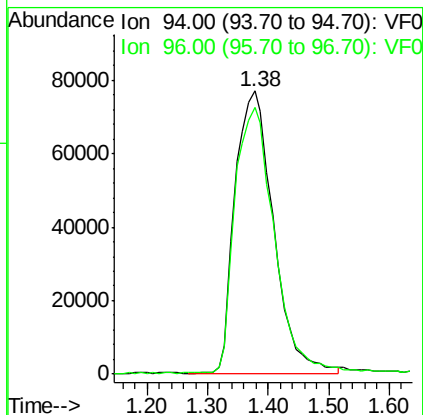
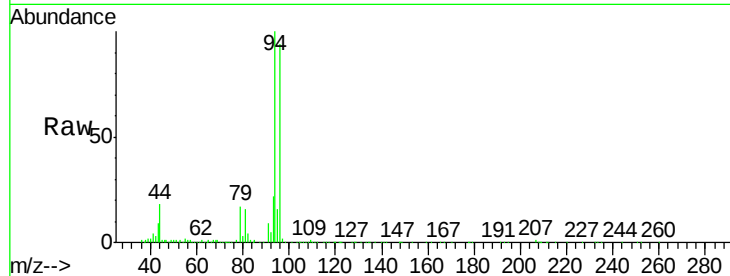
94 100

96 94.4 72.3 108.5

Manual Integrations
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4/17/2019 11:50:32 AM



#6

Chloroethane

Concen: 89.488 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062174.D

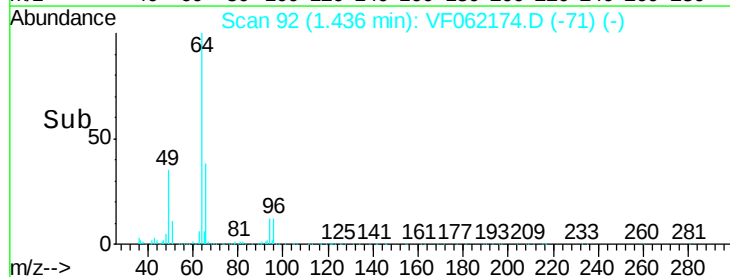
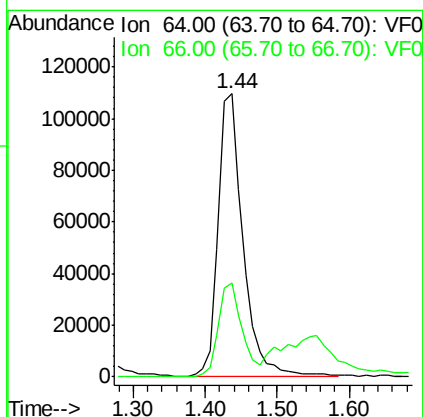
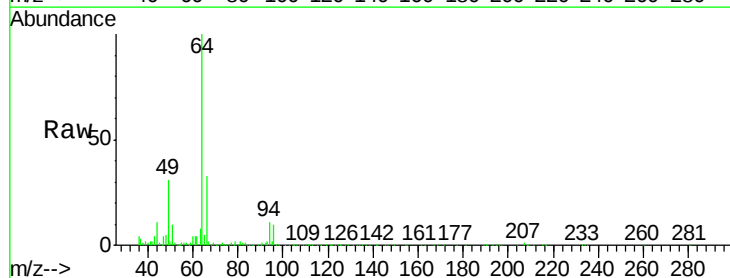
Acq: 16 Apr 2019 13:14

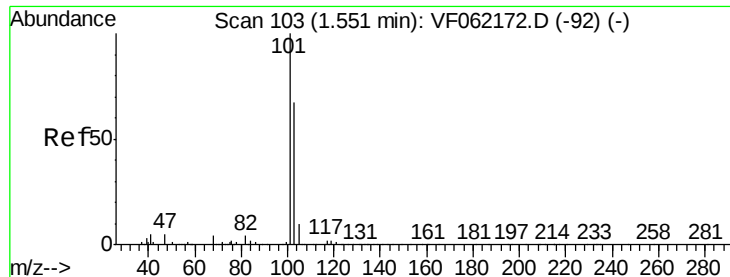
Tgt Ion: 64 Resp: 258564

Ion Ratio Lower Upper

64 100

66 33.1 25.7 38.5





#7

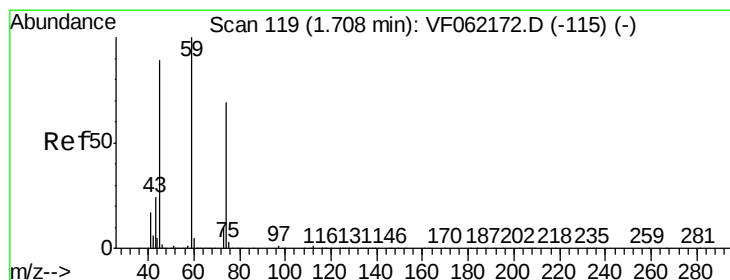
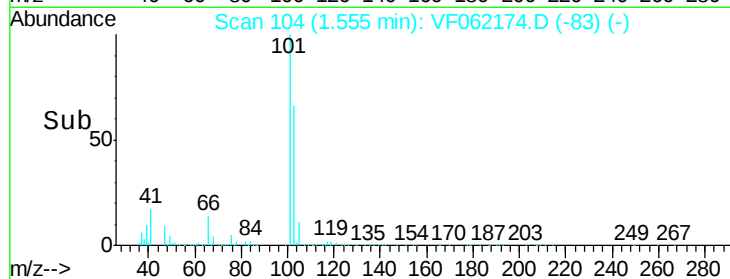
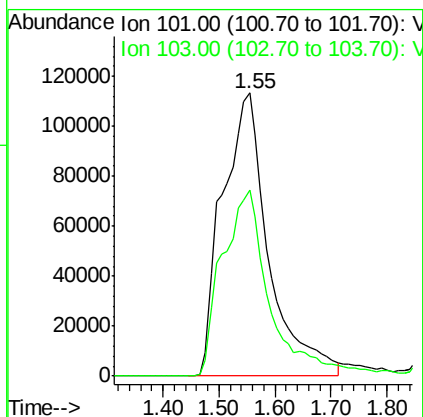
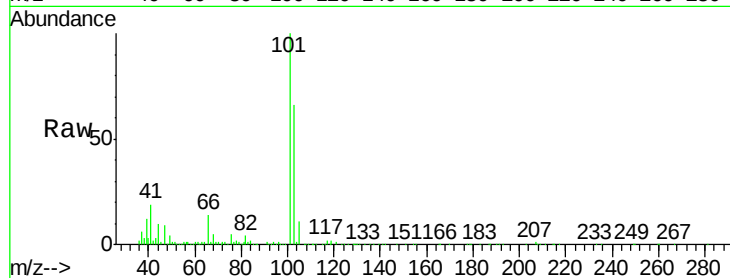
Trichlorofluoromethane
Concen: 89.413 ug/l
RT: 1.55 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.7	80.5

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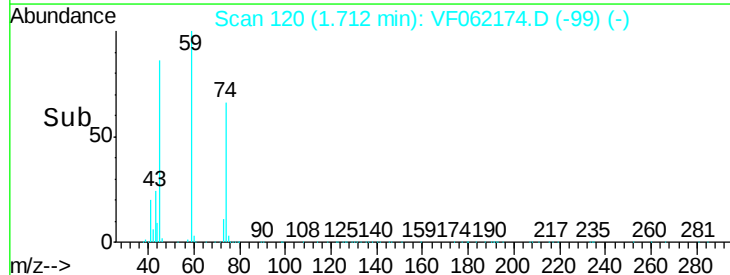
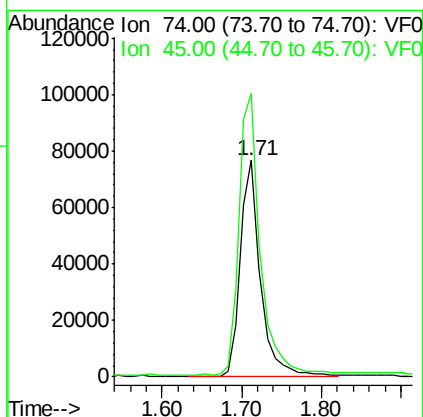
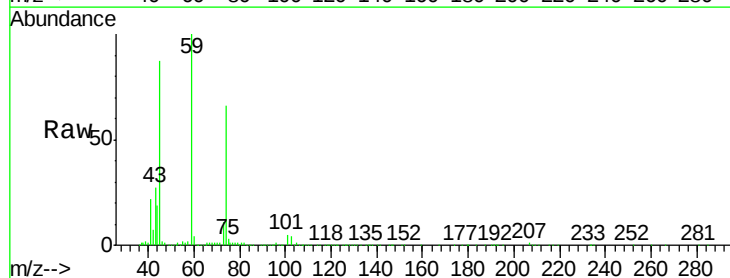
MMDadoda
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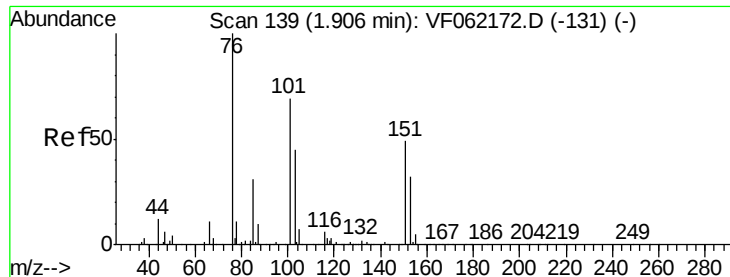


#8

Diethyl Ether
Concen: 92.437 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.8	64.7	194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.046 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

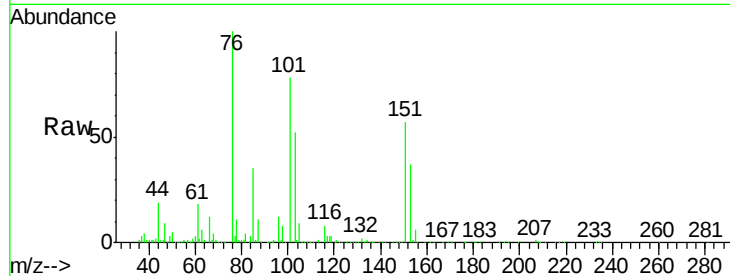
ClientSampleId :

VSTDIC100

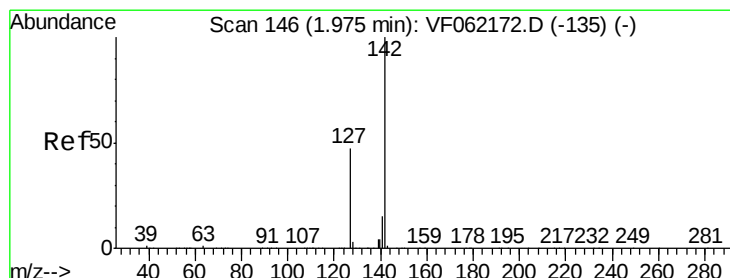
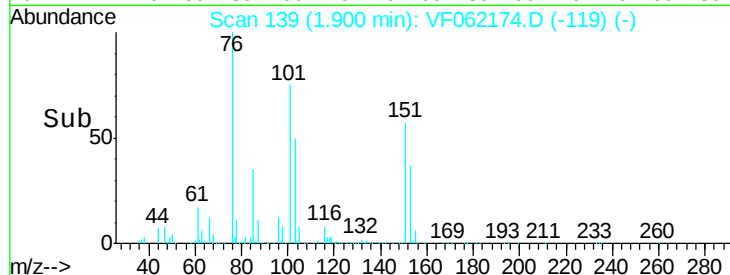
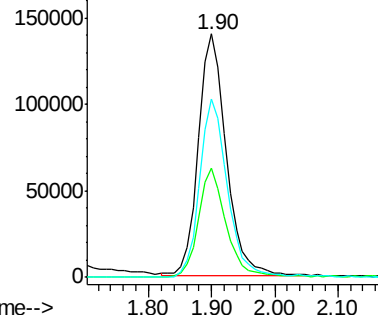
Tot Ion:	101	Resp:	424498
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.2	52.8
151	73.2	56.6	85.0

Manual Integrations
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MMDadoda
4/17/2019 11:50:32 AM



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 89.972 ug/l

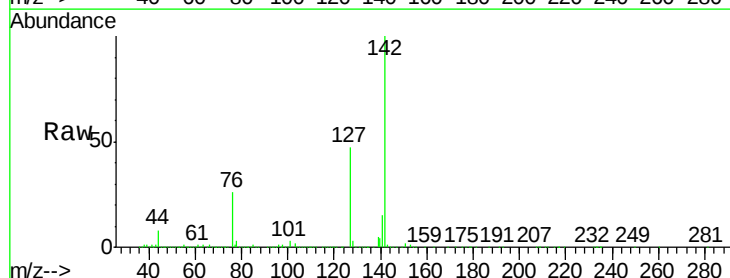
RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

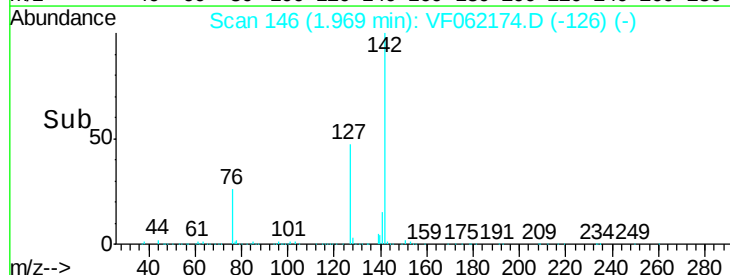
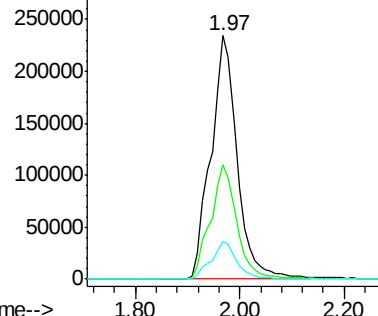
Lab File: VF062174.D

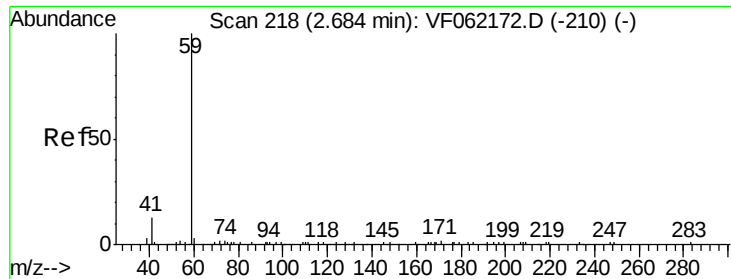
Acq: 16 Apr 2019 13:14

Tgt Ion:	142	Resp:	799520
Ion Ratio	Lower	Upper	
142	100		
127	46.9	37.8	56.6
141	15.4	12.1	18.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





#11

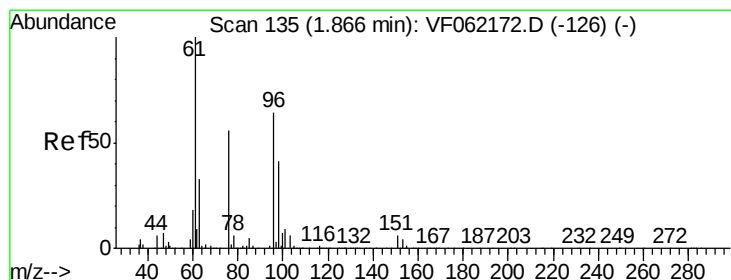
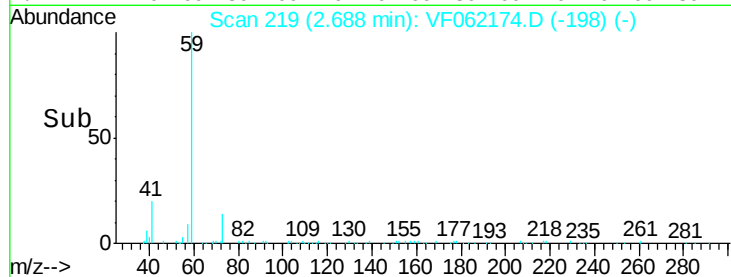
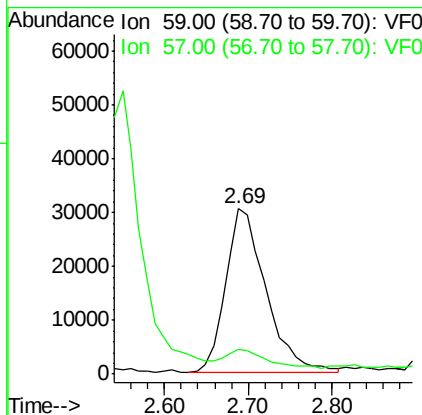
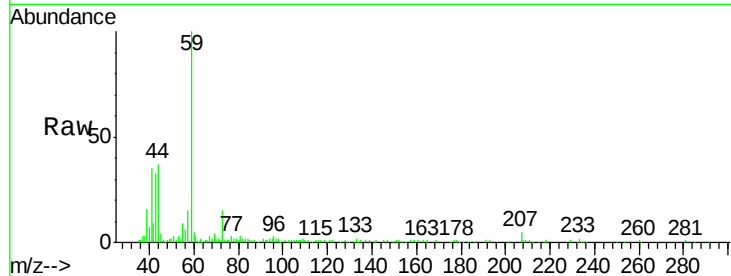
Tert butyl alcohol
 Concen: 457.898 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.3	14.2	21.4

Manual Integrations
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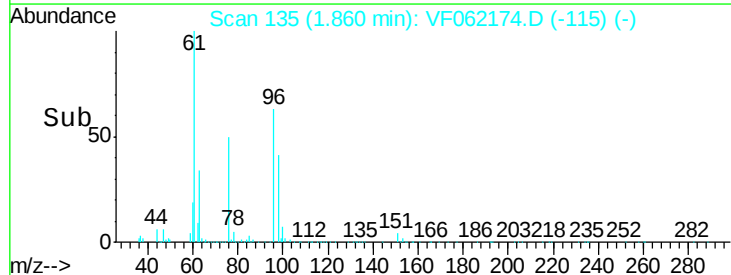
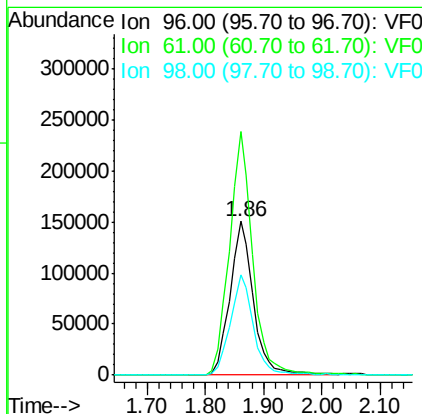
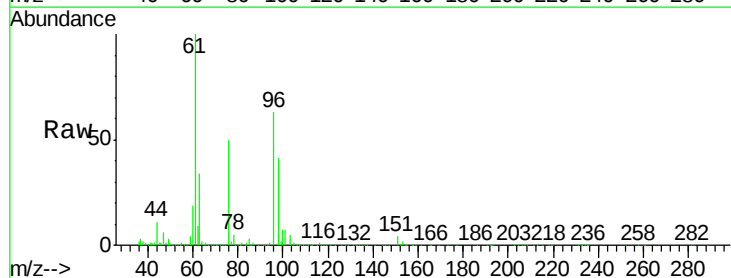
MMDadoda
 4/17/2019 11:50:32 AM

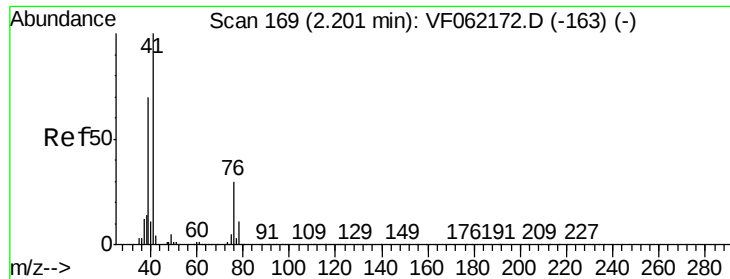


#12

1,1-Dichloroethene
 Concen: 86.082 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	124.6	187.0
98	65.2	51.5	77.3





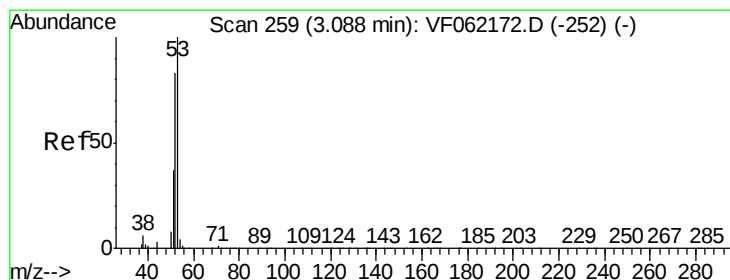
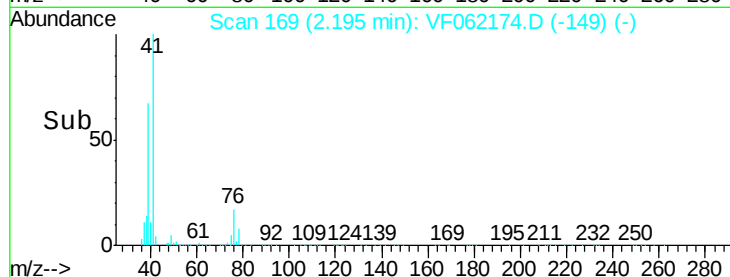
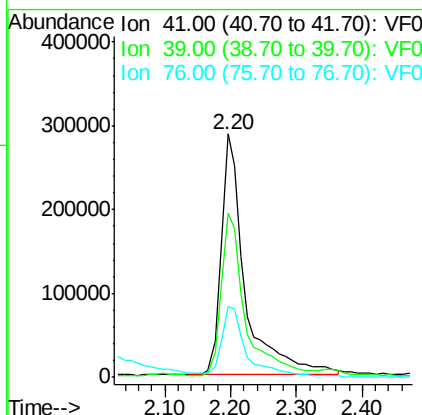
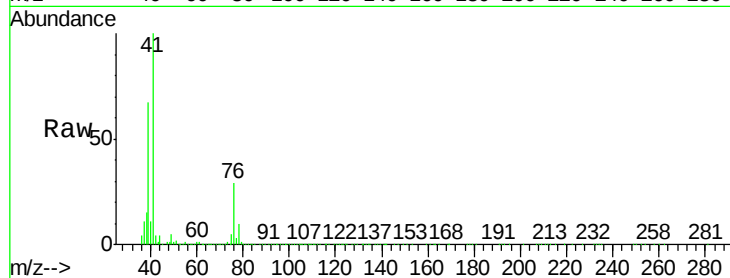
#14
Allvl chloride
Concen: 100.381 ug/l
RT: 2.20 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
41	100	732785		
39	67.5		56.1	84.1
76	29.2		24.9	37.3

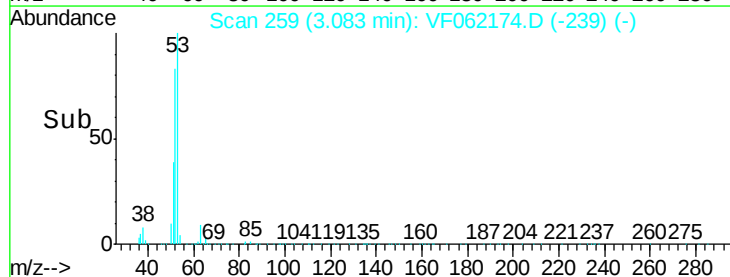
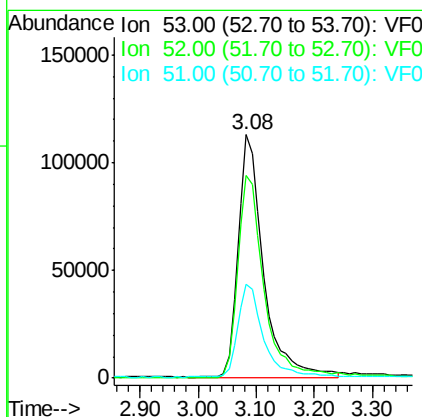
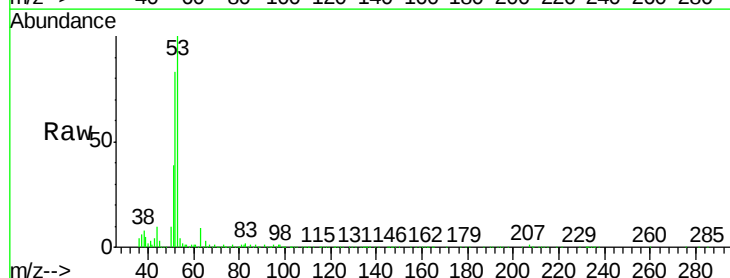
Manual Integrations
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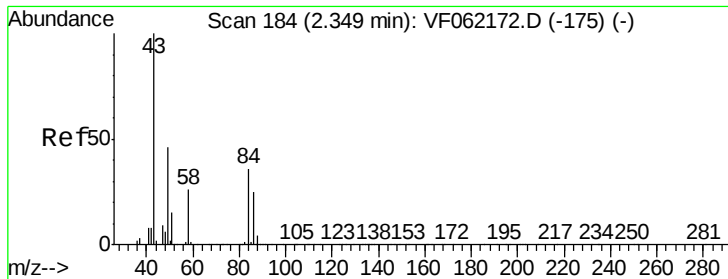
MMDadoda
4/17/2019 11:50:32 AM



#15
Acrylonitrile
Concen: 418.435 ug/l
RT: 3.08 min Scan# 259
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	339716		
52	83.1		66.6	99.8
51	38.8		30.1	45.1





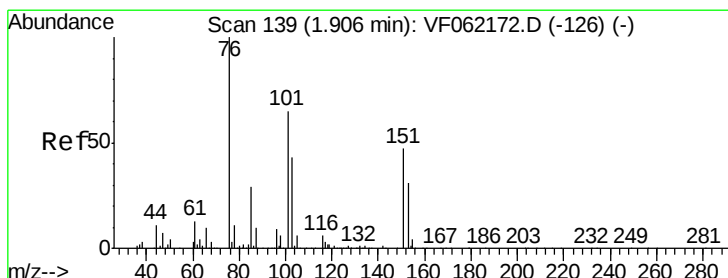
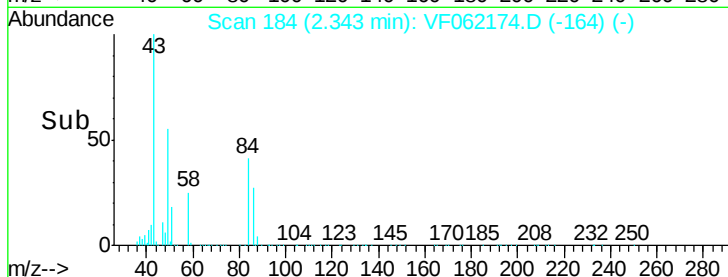
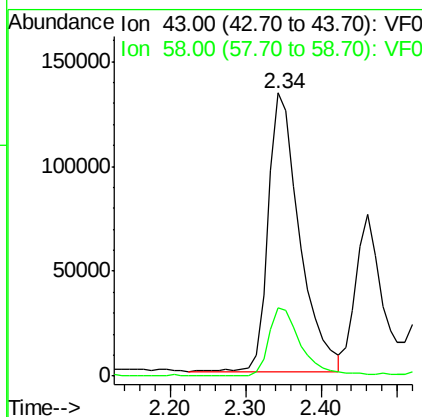
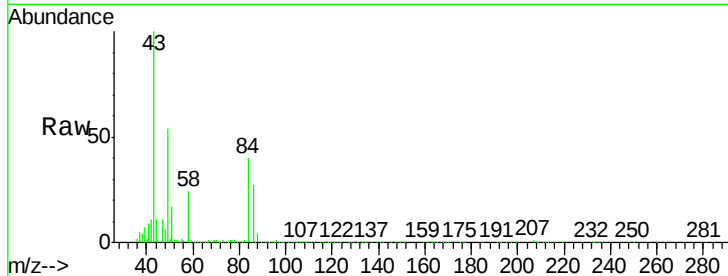
#16
Acetone
Concen: 425.134 ug/l
RT: 2.34 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 381280
Ion Ratio Lower Upper
43 100
58 24.3 20.2 30.2

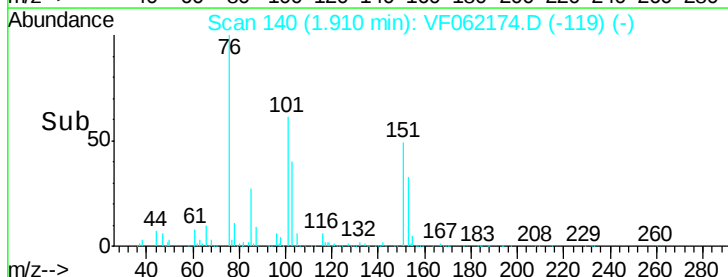
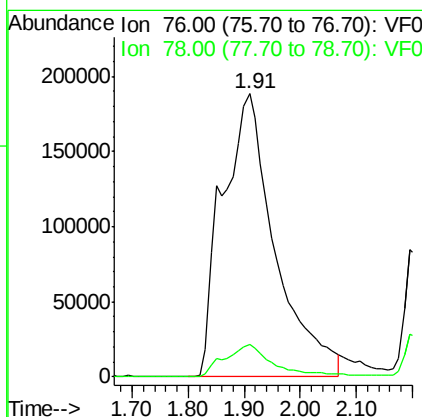
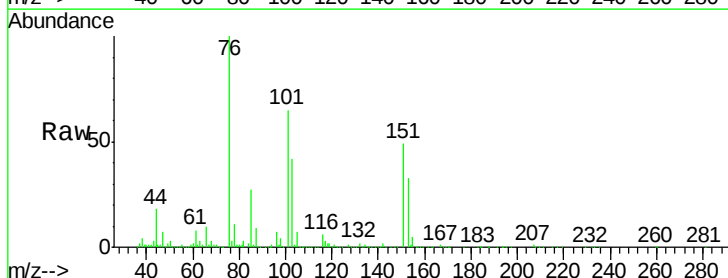
Manual Integrations
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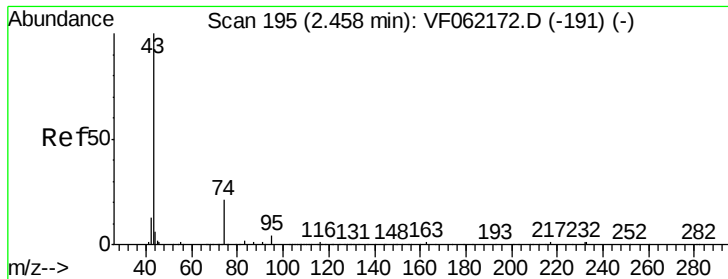
MMDadoda
4/17/2019 11:50:32 AM



#17
Carbon Disulfide
Concen: 89.094 ug/l
RT: 1.91 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion: 76 Resp: 1228398
Ion Ratio Lower Upper
76 100
78 11.4 9.1 13.7





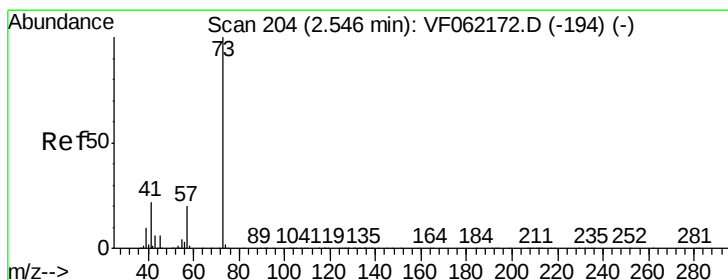
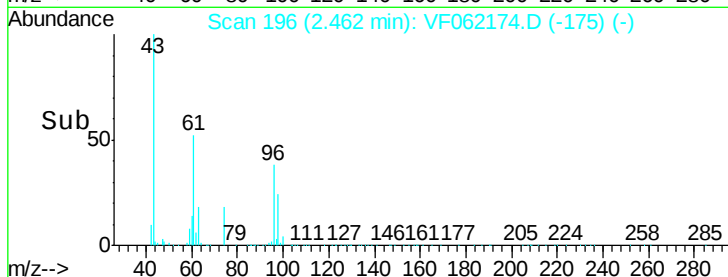
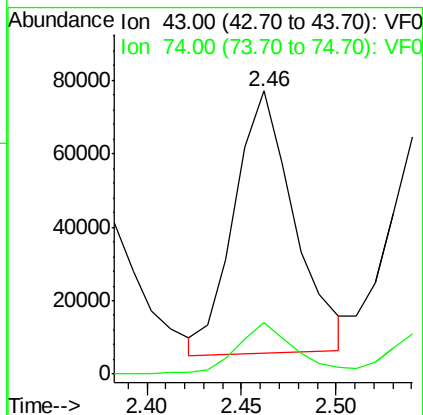
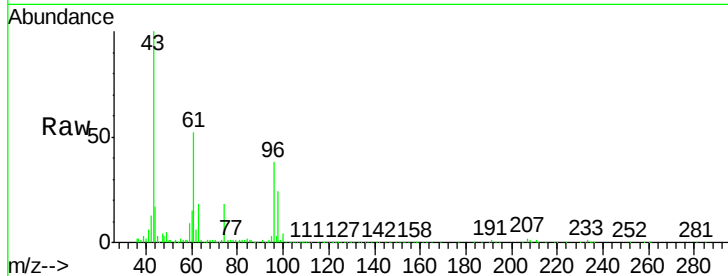
#18
Methyl Acetate
Concen: 73.857 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 157155
Ion Ratio Lower Upper
43 100
74 18.1 14.2 21.4

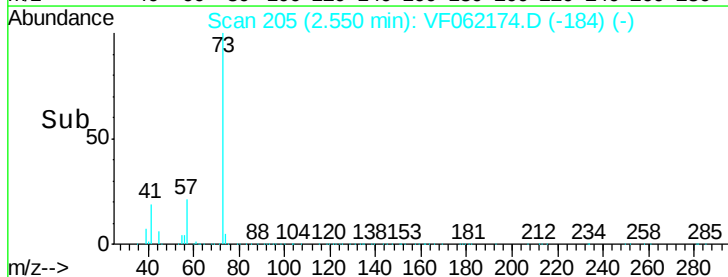
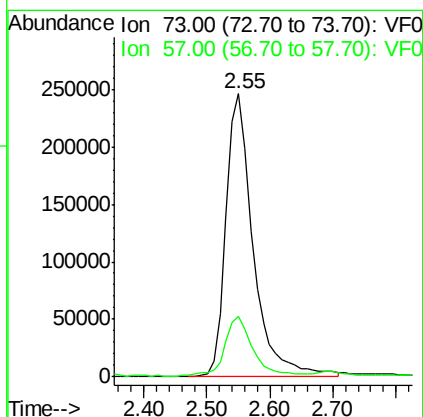
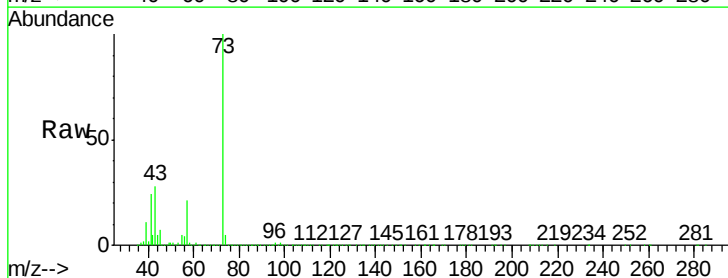
Manual Integrations
APPROVED

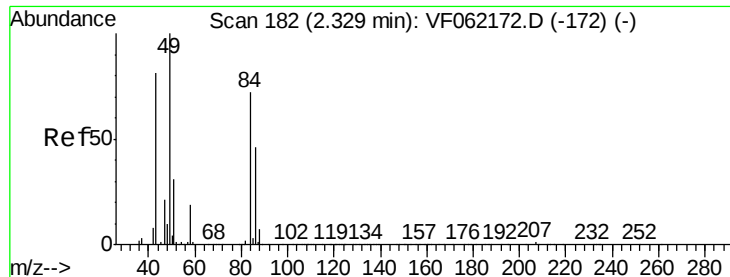
MMDadoda
4/17/2019 11:50:32 AM



#19
Methyl tert-butyl Ether
Concen: 90.354 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion: 73 Resp: 728622
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2





#20

Methylene Chloride

Concen: 75.697 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

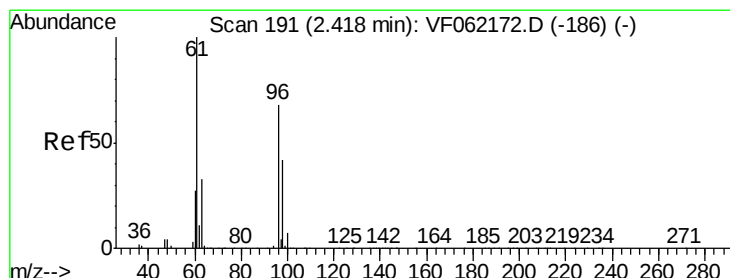
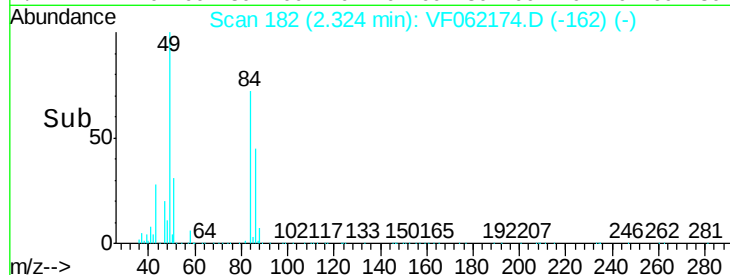
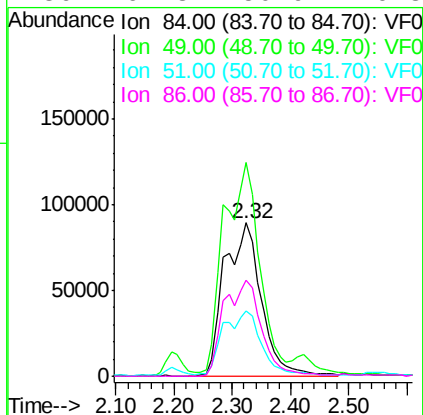
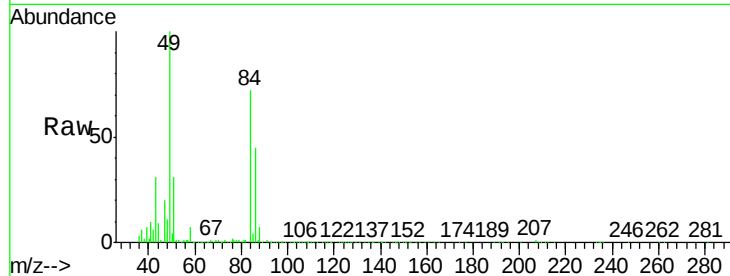
ClientSampleId :

VSTDIC100

Tot Ion:	84	Resp:	388975
Ion	Ratio	Lower	Upper
84	100		
49	139.3	111.5	167.3
51	42.8	34.9	52.3
86	62.3	50.9	76.3

Manual Integrations
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MMDadoda
4/17/2019 11:50:32 AM



#21

trans-1,2-Dichloroethene

Concen: 89.846 ug/l

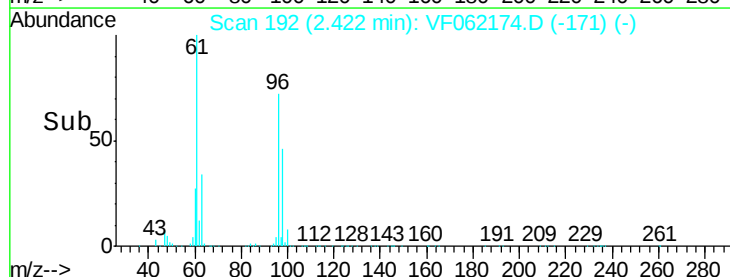
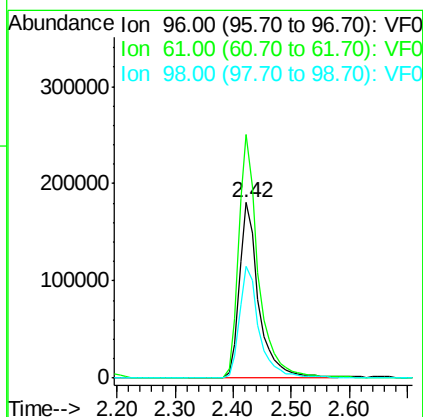
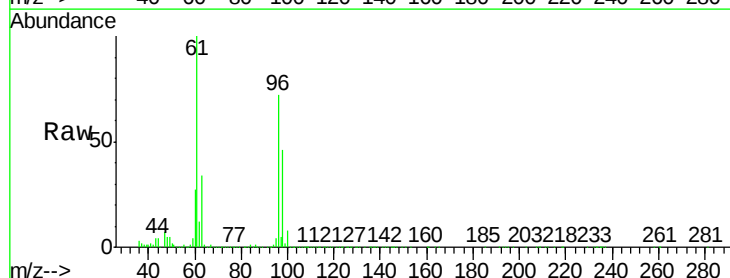
RT: 2.42 min Scan# 192

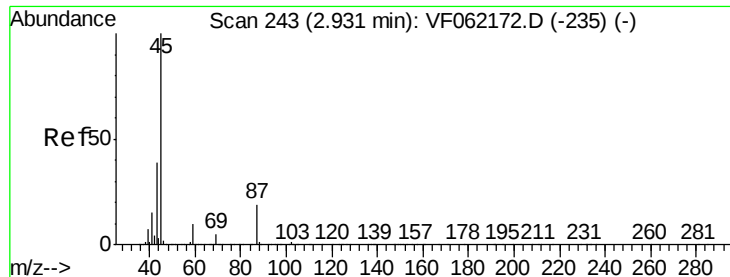
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	96	Resp:	416757
Ion	Ratio	Lower	Upper
96	100		
61	138.8	117.4	176.2
98	64.1	49.8	74.8





#22

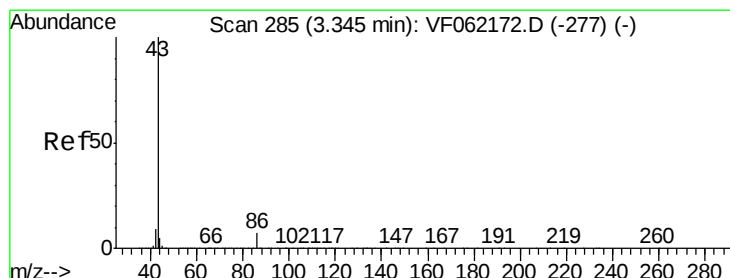
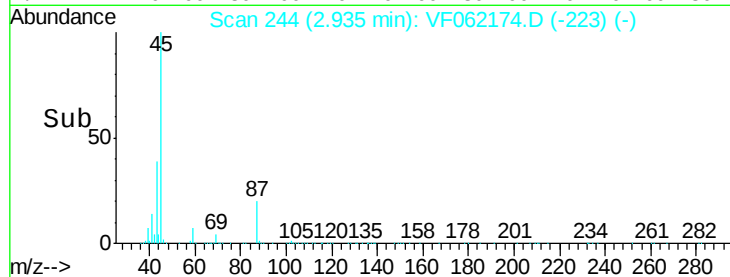
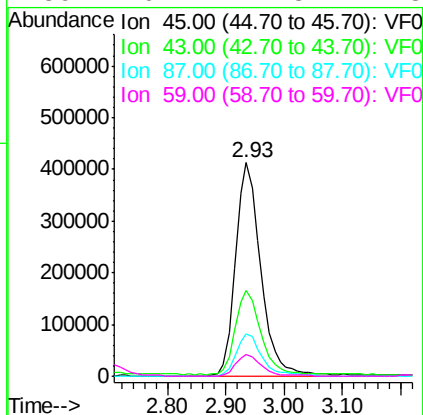
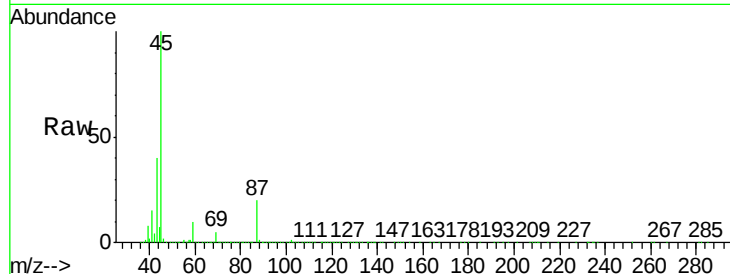
Diisopropyl ether
Concen: 91.127 ug/l
RT: 2.93 min Scan# 244
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
45	100		
43	40.3	32.5	48.7
87	19.8	14.9	22.3
59	10.1	7.8	11.8

Manual Integrations
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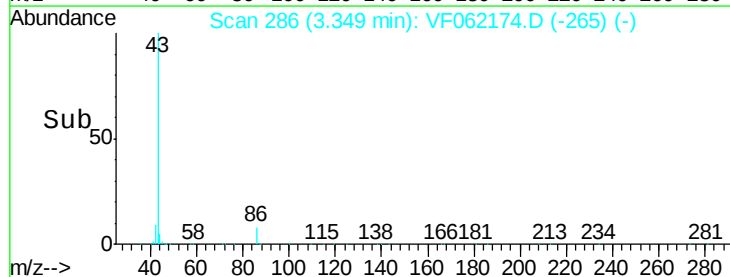
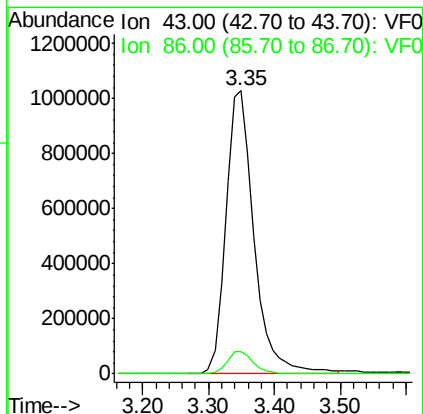
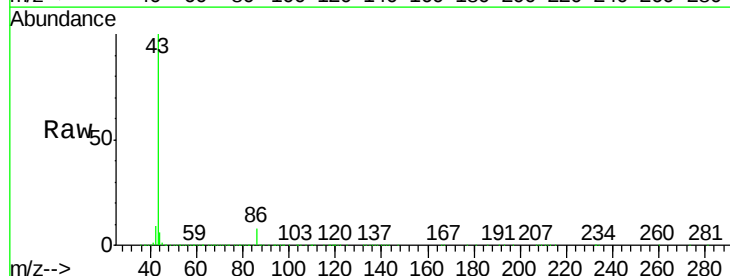
MMDadoda
4/17/2019 11:50:32 AM

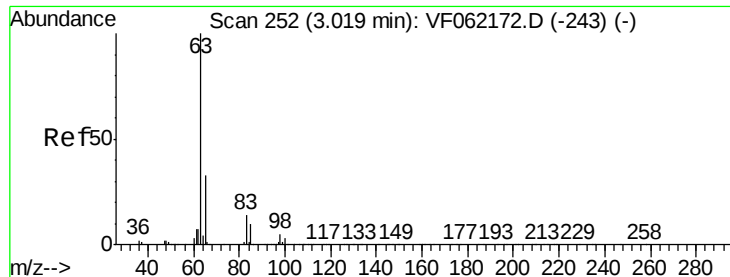


#23

Vinyl Acetate
Concen: 450.204 ug/l
RT: 3.35 min Scan# 286
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.9	8.9





#24

1,1-Dichloroethane

Concen: 90.030 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

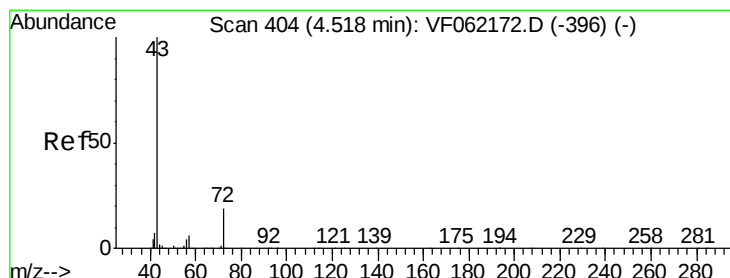
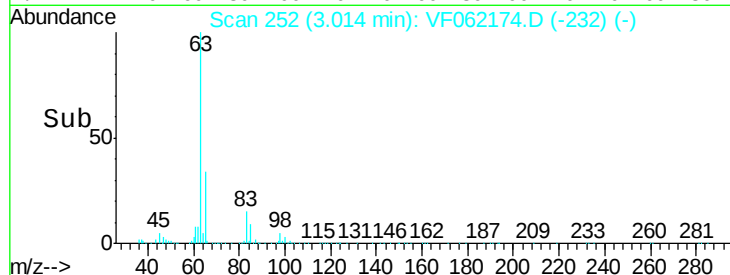
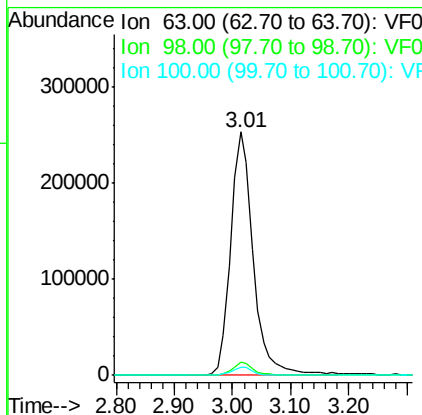
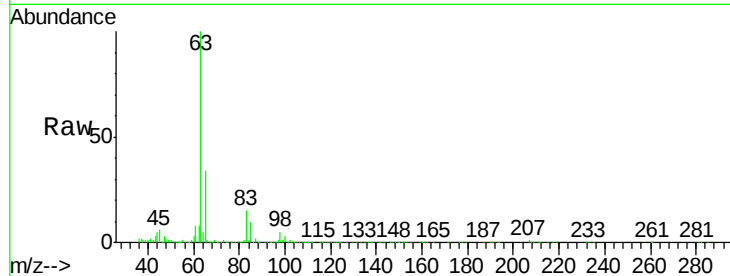
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	680298
Ion Ratio		Lower	Upper
63	100		
98	5.5	2.6	8.0
100	3.5	1.7	5.1

Manual Integrations
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MMDadoda
4/17/2019 11:50:32 AM



#25

2-Butanone

Concen: 444.373 ug/l

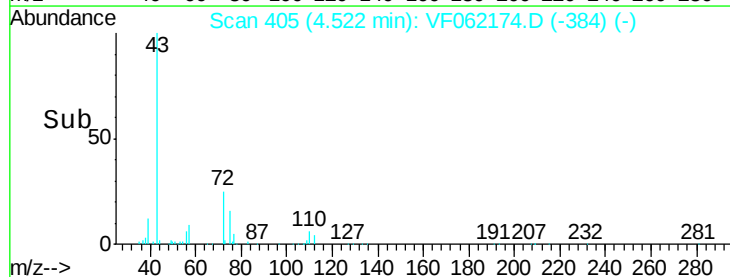
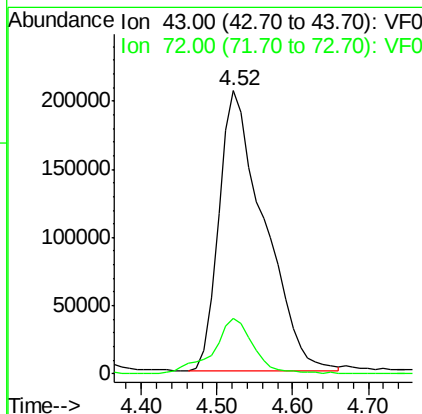
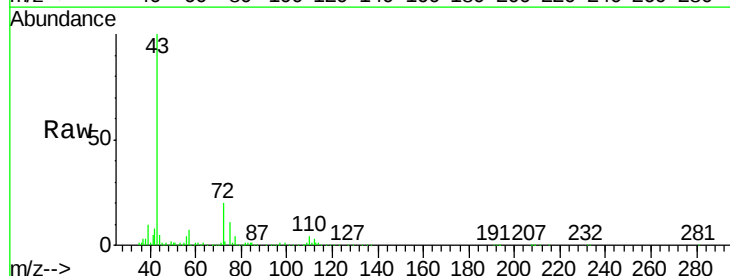
RT: 4.52 min Scan# 405

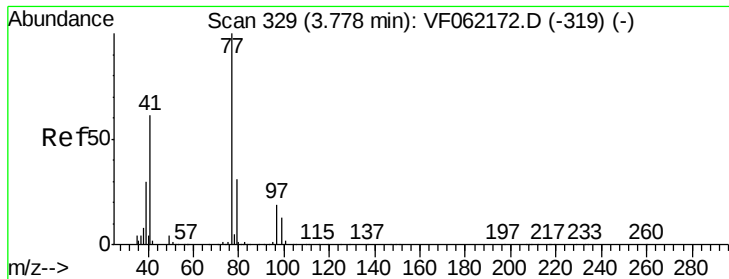
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	43	Resp:	856371
Ion Ratio		Lower	Upper
43	100		
72	19.8	15.4	23.2





#26

2,2-Dichloropropane

Concen: 86.989 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 345742

Ion Ratio Lower Upper

77 100

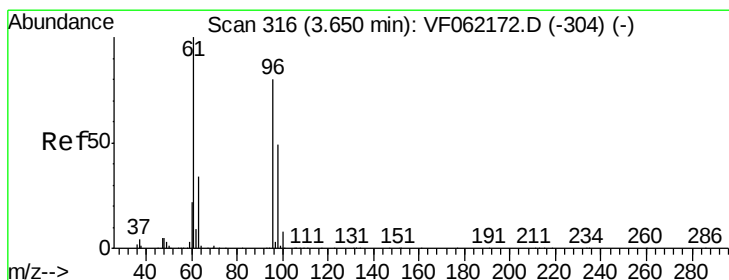
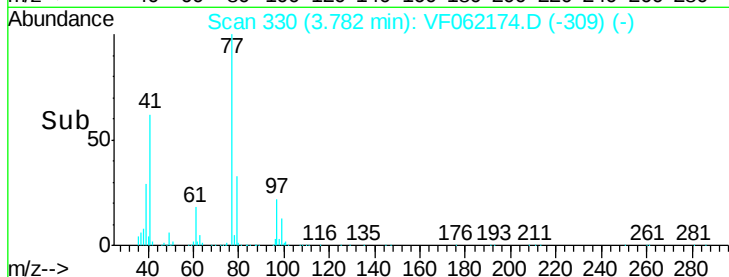
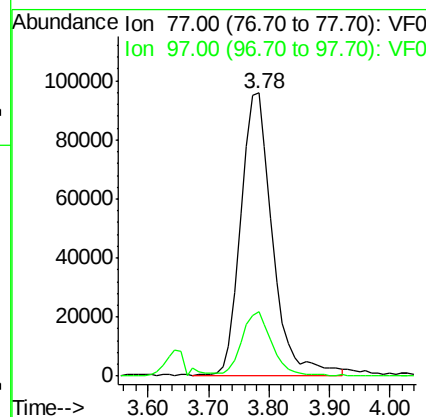
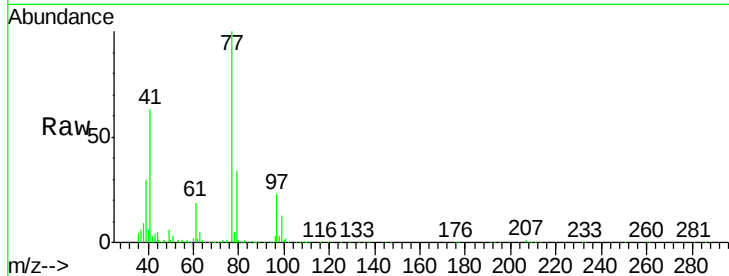
97 22.6 10.3 30.9

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#27

cis-1,2-Dichloroethene

Concen: 87.807 ug/l

RT: 3.64 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

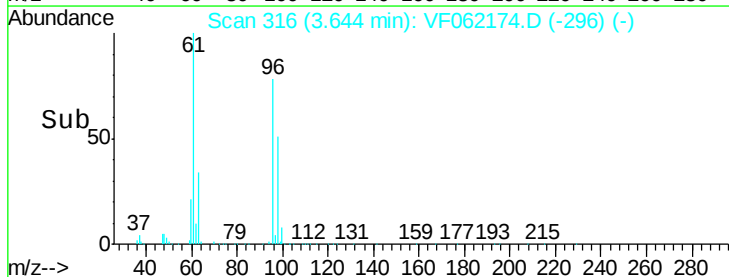
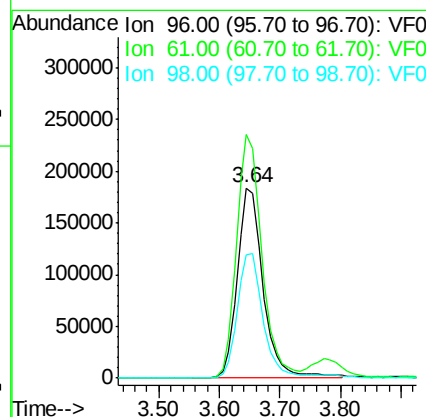
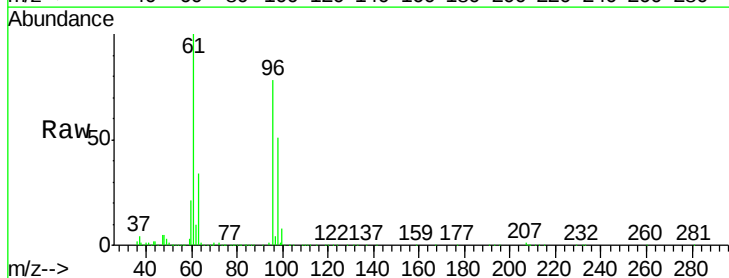
Tgt Ion: 96 Resp: 540657

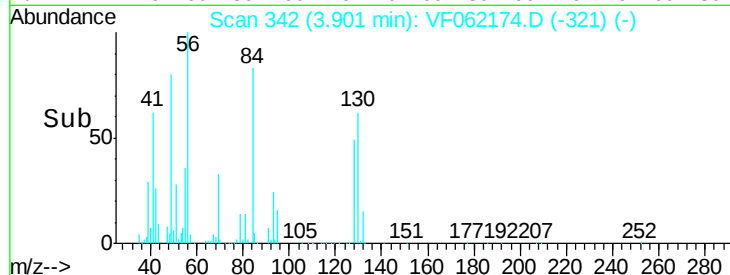
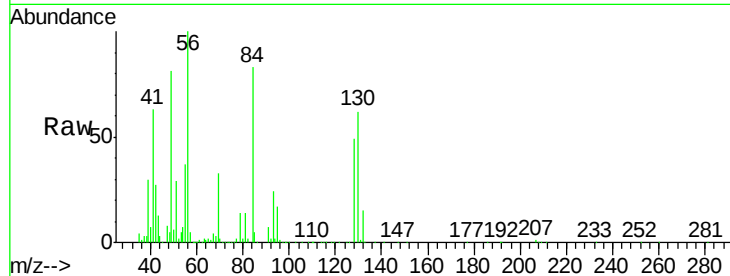
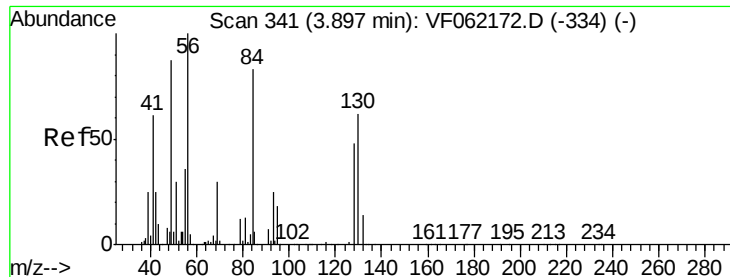
Ion Ratio Lower Upper

96 100

61 128.1 0.0 248.2

98 65.2 0.0 122.4





#28

Bromochloromethane

Concen: 96.868 ug/l

RT: 3.90 min Scan# 342

Delta R.T. 0.00 min

Lab File: VF062174.D

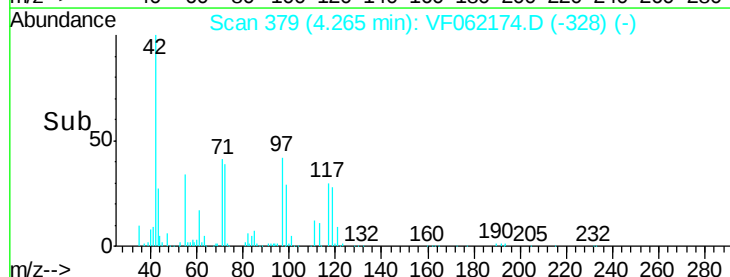
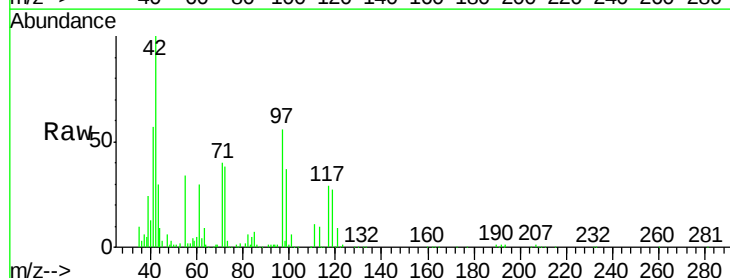
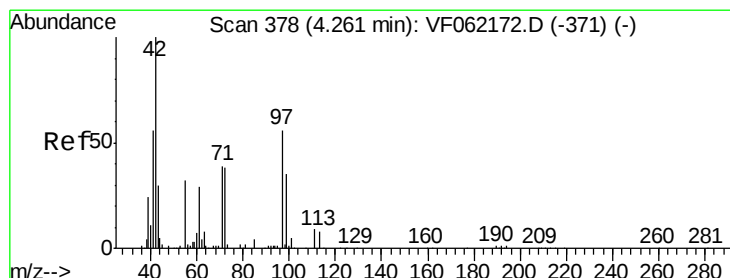
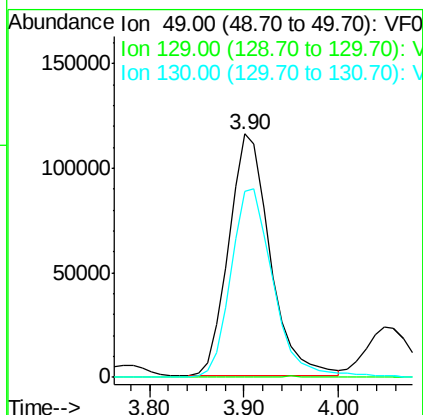
Acq: 16 Apr 2019 13:14

Tot Ion:	49	Resp:	350497
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	0.0
130	76.4	56.5	84.7

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

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#29

Tetrahydrofuran

Concen: 407.497 ug/l

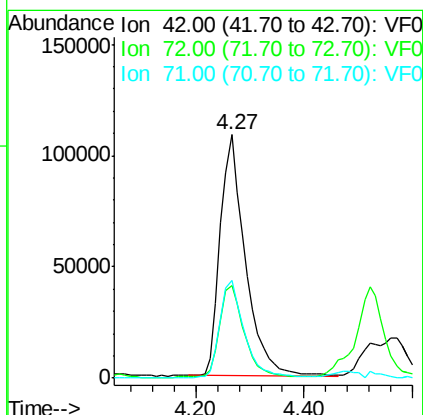
RT: 4.27 min Scan# 379

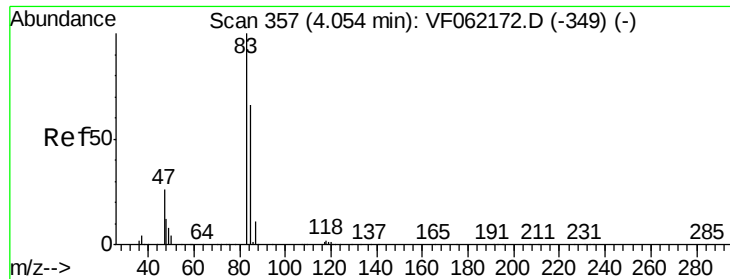
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	42	Resp:	349188
Ion Ratio	Lower	Upper	
42	100		
72	39.0	28.7	43.1
71	39.8	30.8	46.2





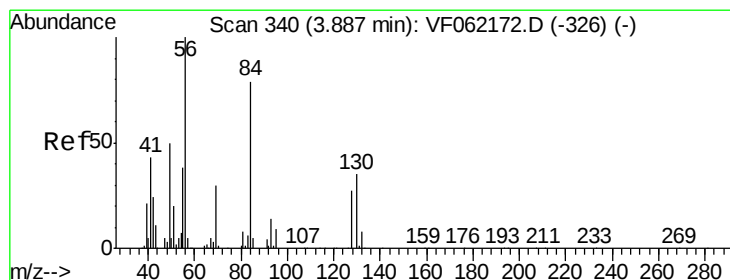
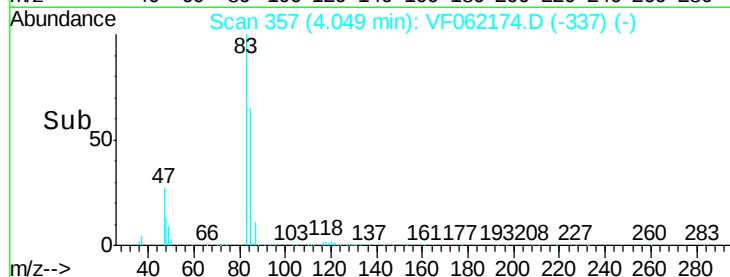
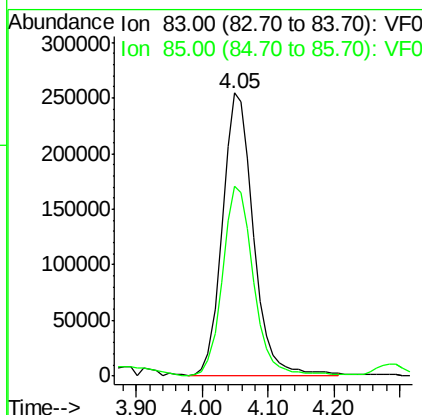
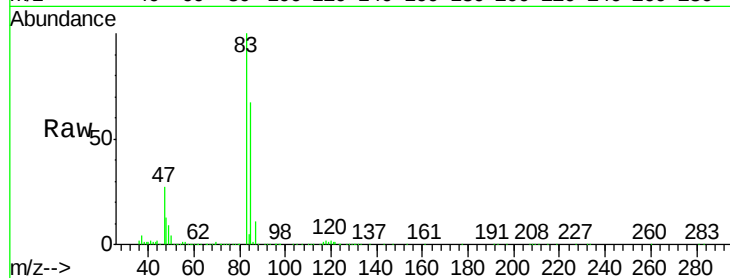
#30
Chloroform
Concen: 89.611 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	841844
Ion Ratio	Lower	Upper	
83	100		
85	67.0	53.5	80.3

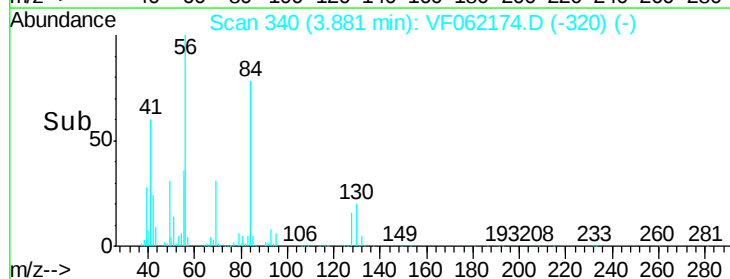
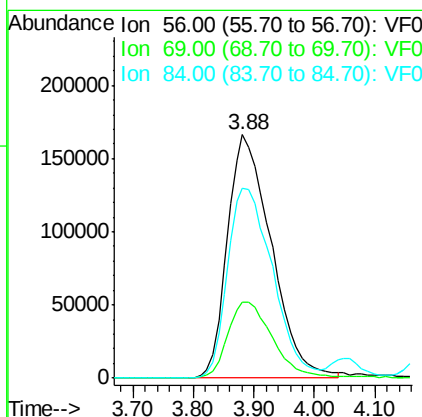
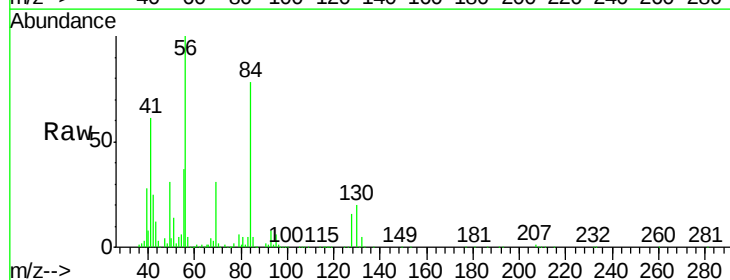
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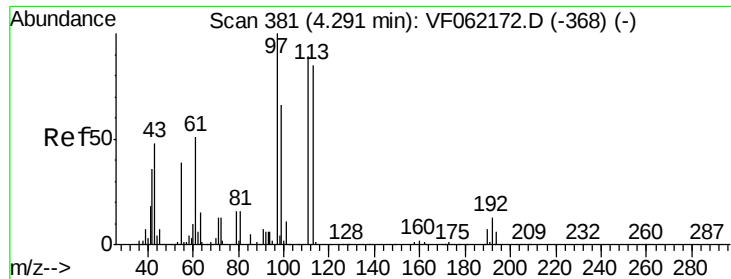
MMDadoda
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#31
Cyclohexane
Concen: 85.177 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	56	Resp	830858
Ion Ratio	Lower	Upper	
56	100		
69	31.2	24.4	36.6
84	77.9	63.4	95.2





#32

1,1,1-Trichloroethane

Concen: 90.236 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

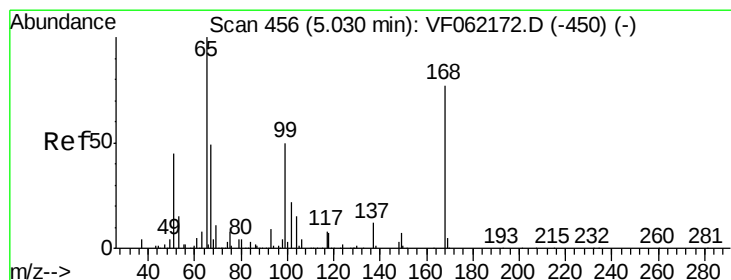
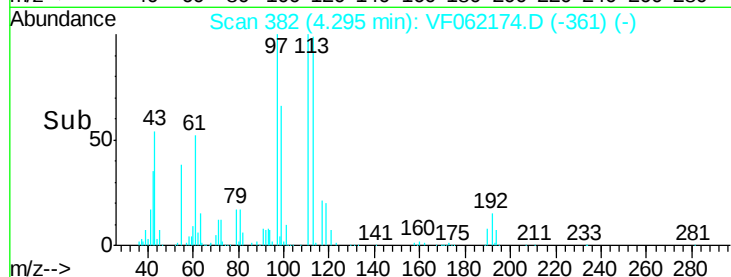
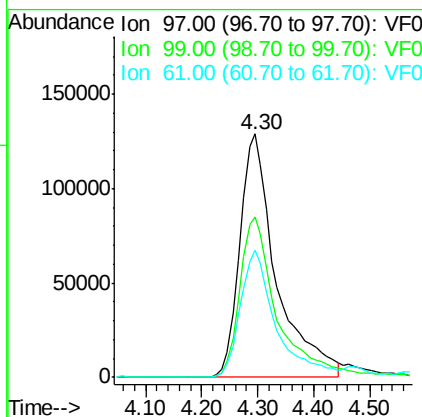
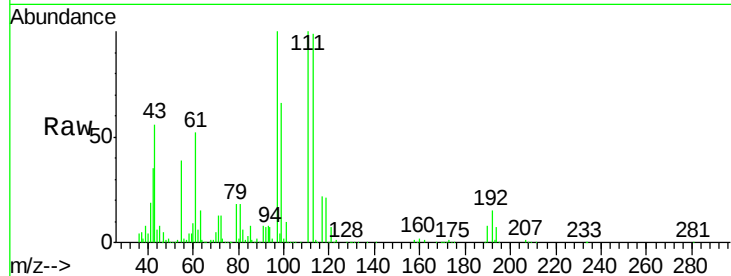
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	578052
Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.3	78.5
61	52.2	40.9	61.3

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#33

1,2-Dichloroethane-d4

Concen: 101.577 ug/l

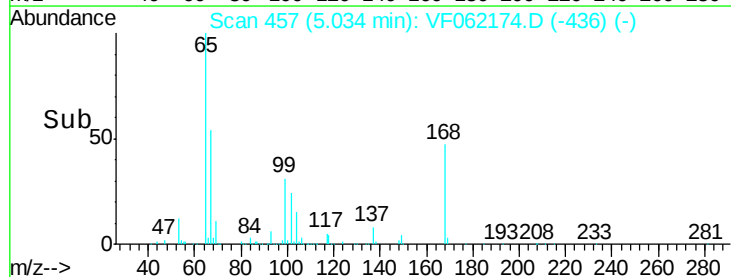
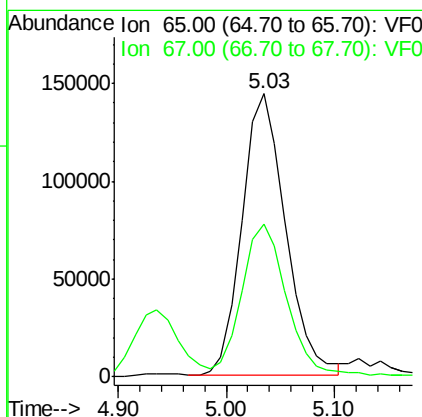
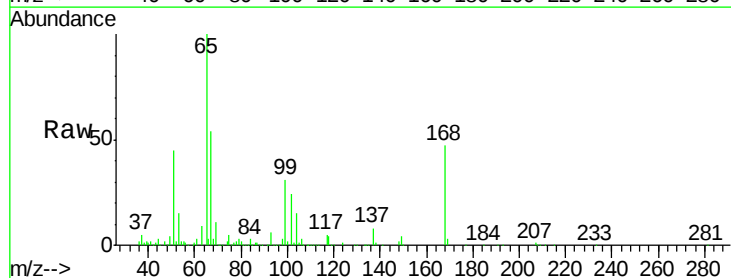
RT: 5.03 min Scan# 457

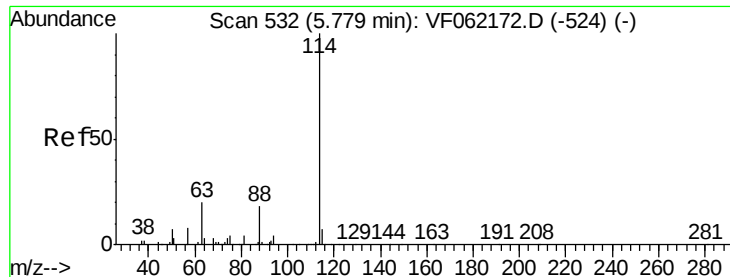
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	65	Resp:	404035
Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

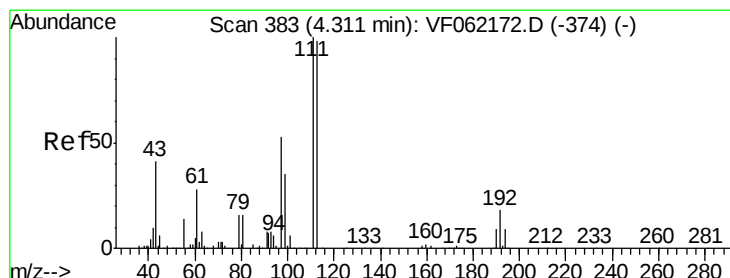
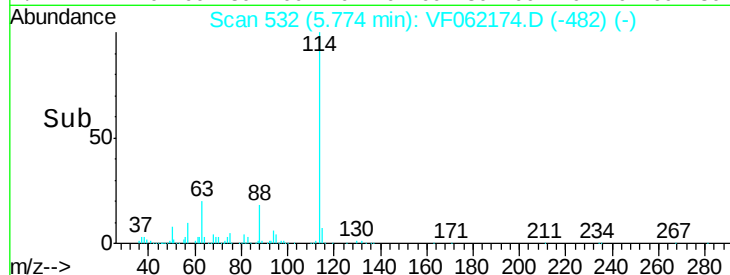
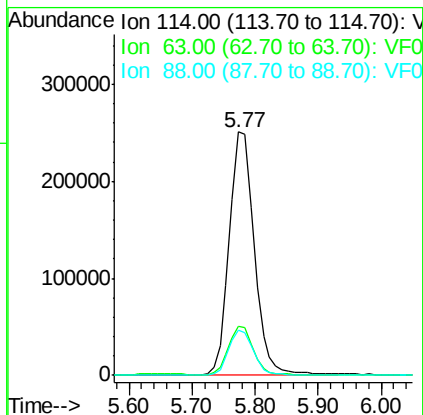
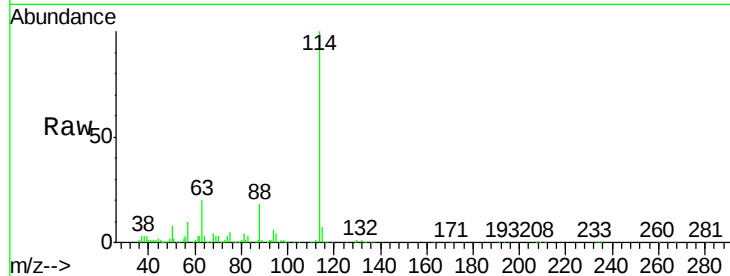
ClientSampleId :

VSTDIC100

Tot Ion:	114	Resp:	691559
Ion Ratio		Lower	Upper
114	100		
63	20.3	0.0	40.0
88	18.5	0.0	36.6

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#35

Dibromofluoromethane

Concen: 95.836 ug/l

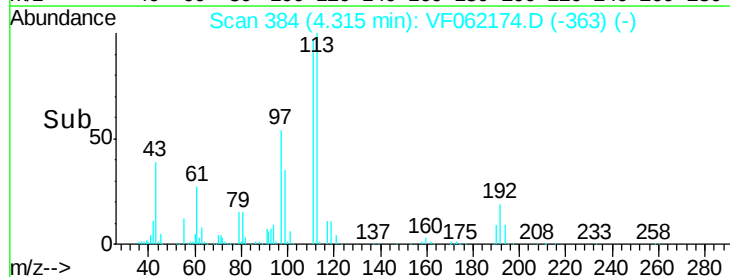
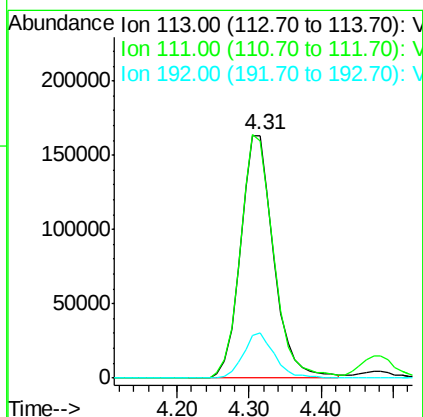
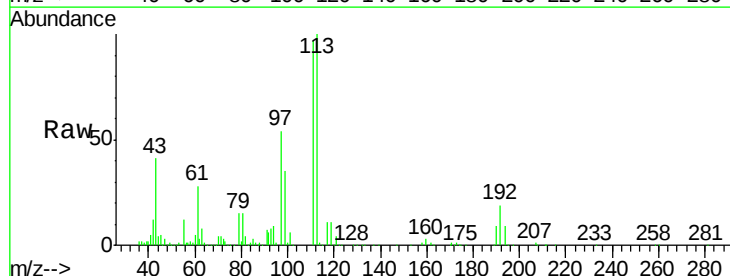
RT: 4.31 min Scan# 384

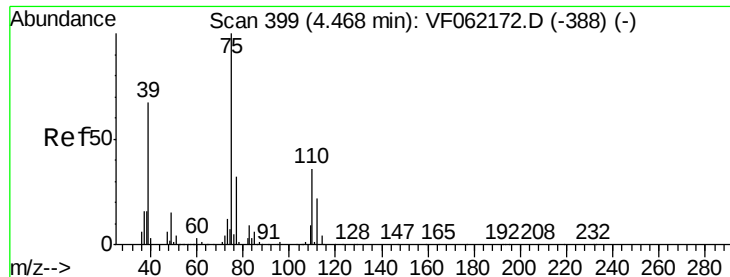
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	113	Resp:	522805
Ion Ratio		Lower	Upper
113	100		
111	97.5	81.6	122.4
192	18.7	15.0	22.4





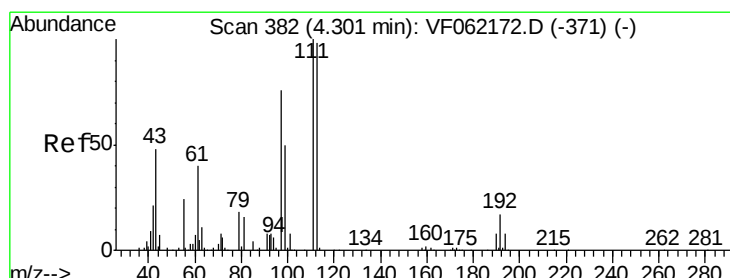
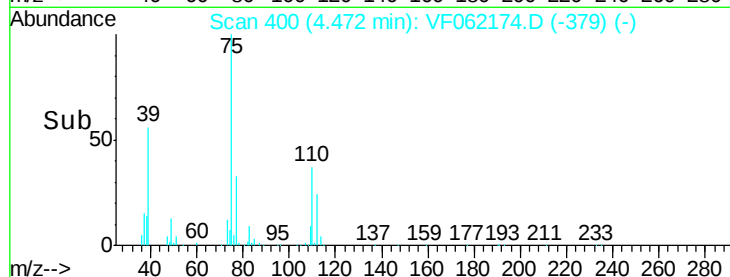
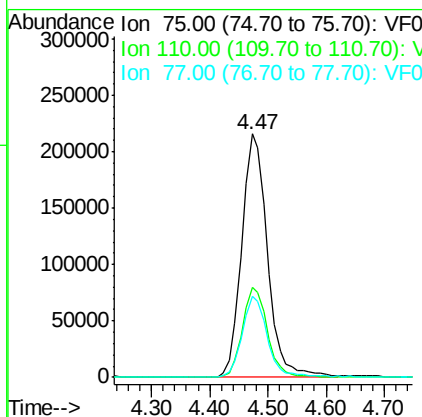
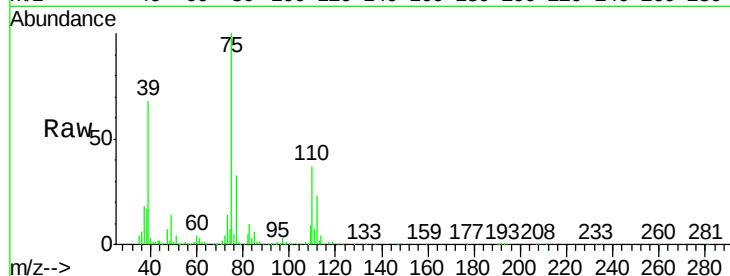
#36
 1,1-Dichloropropene
 Concen: 87.088 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Tot Ion:	75	Resp:	669156
Ion Ratio	Lower	Upper	
75	100		
110	36.8	17.9	53.8
77	33.2	25.6	38.4

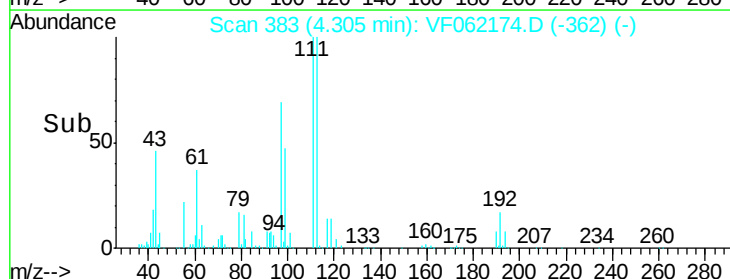
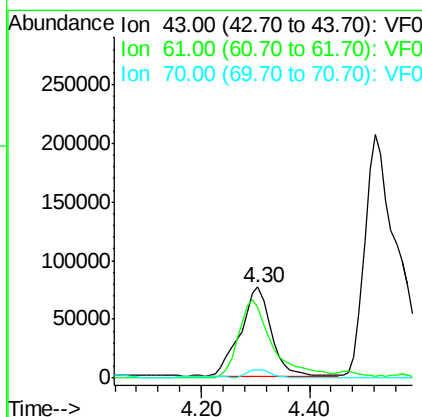
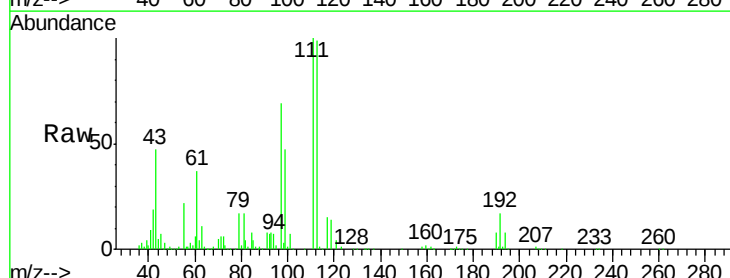
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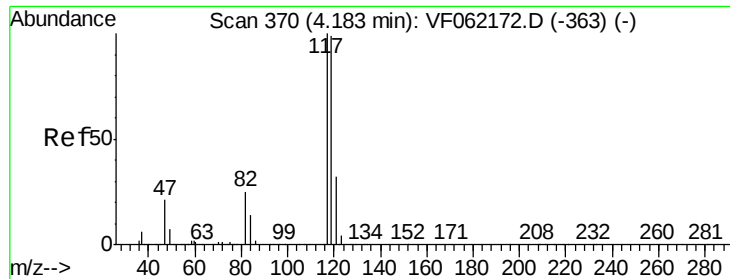
MMDadoda
 4/17/2019 11:50:32 AM



#37
 Ethyl Acetate
 Concen: 83.306 ug/l
 RT: 4.30 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion:	43	Resp:	294945
Ion Ratio	Lower	Upper	
43	100		
61	78.6	64.9	97.3
70	9.6	7.8	11.8





#38

Carbon Tetrachloride

Concen: 93.848 ug/l m

RT: 4.19 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

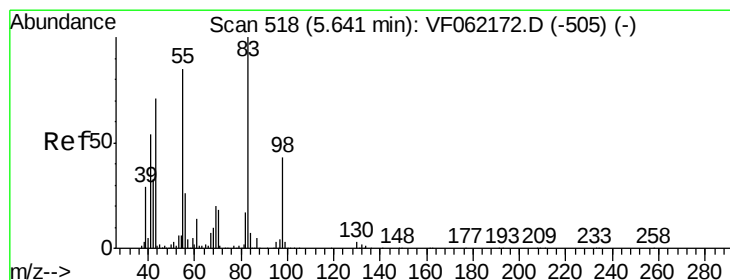
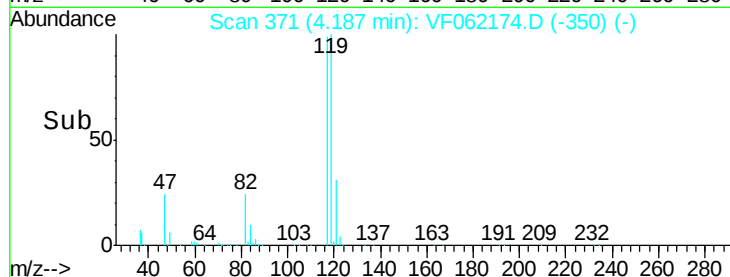
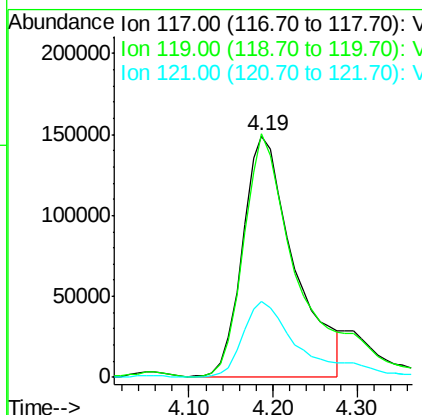
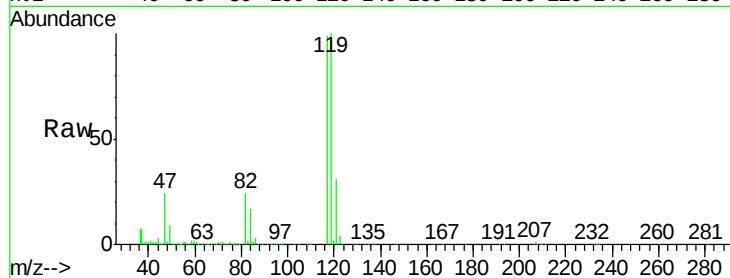
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	630676
Ion Ratio	Lower	Upper	
117	100		
119	100.9	78.9	118.3
121	31.7	25.3	37.9

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#39

Methylcyclohexane

Concen: 88.161 ug/l

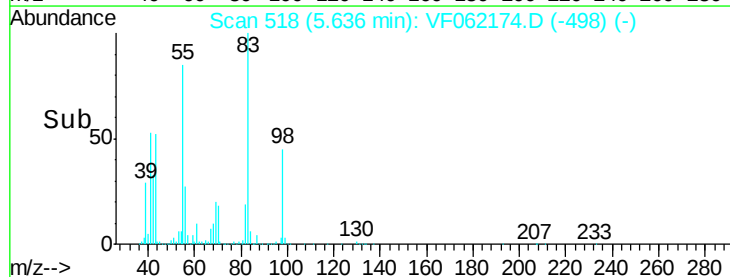
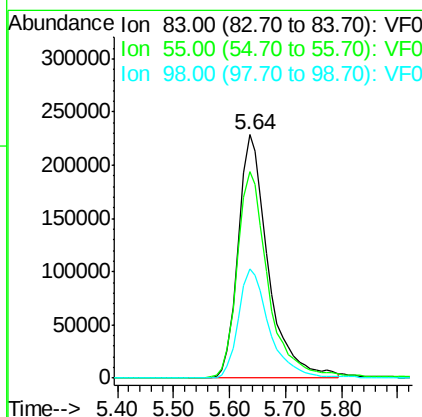
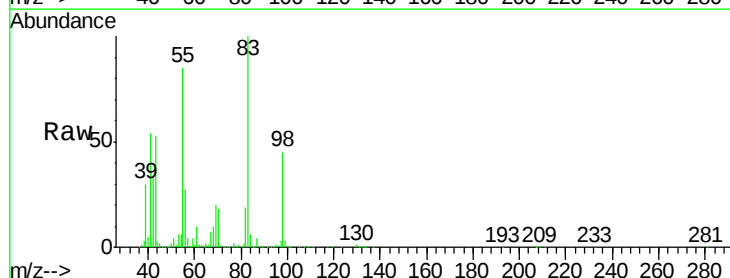
RT: 5.64 min Scan# 518

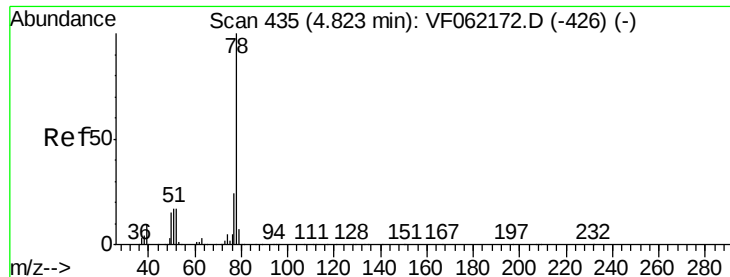
Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	83	Resp:	848890
Ion Ratio	Lower	Upper	
83	100		
55	84.8	68.2	102.2
98	44.9	34.4	51.6





#40

Benzene

Concen: 87.544 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 78 Resp: 1776837

Ion Ratio Lower Upper

78 100

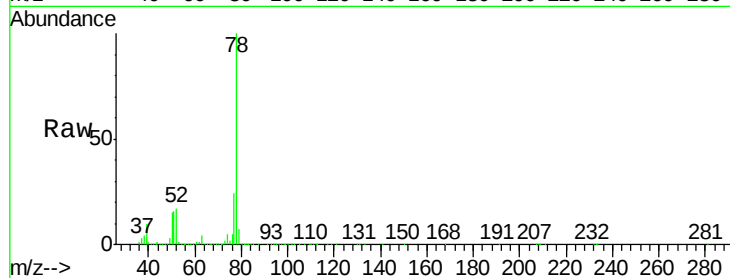
77 23.6 19.1 28.7

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Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.83

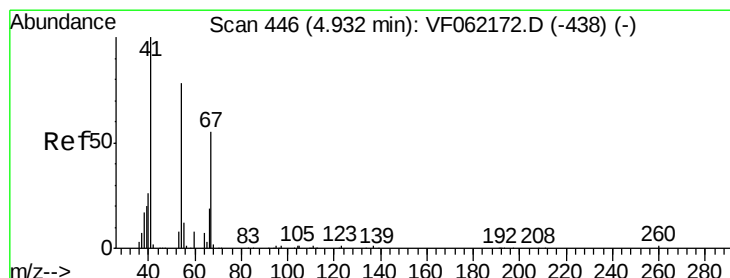
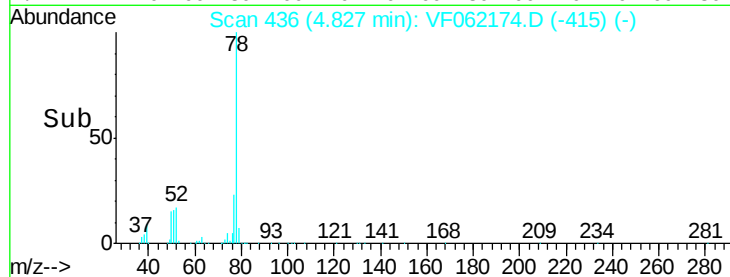
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 85.035 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion: 41 Resp: 180897

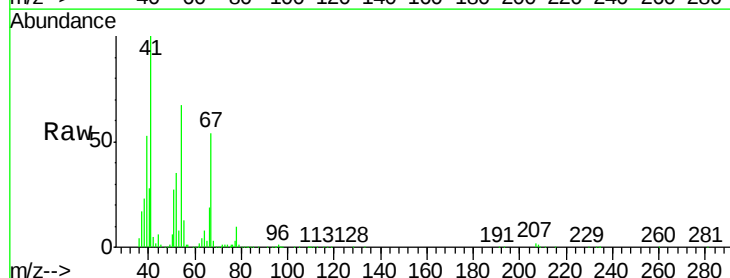
Ion Ratio Lower Upper

41 100

39 53.3 43.5 65.3

67 53.8 42.9 64.3

52 35.5 30.4 45.6



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

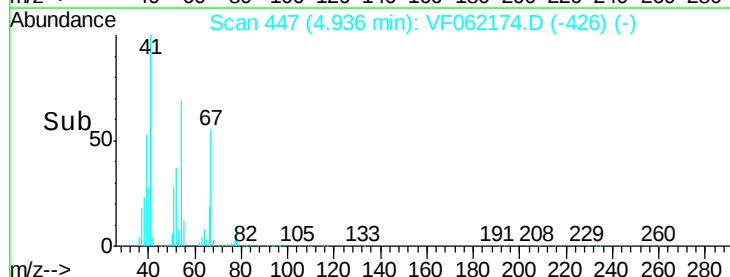
150000

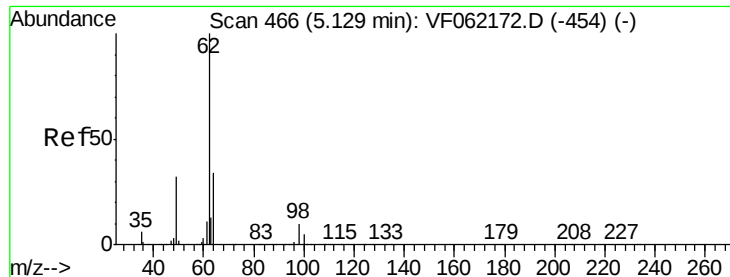
100000

50000

0

Time-->





#42

1,2-Dichloroethane

Concen: 86.043 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 62 Resp: 442003

Ion Ratio Lower Upper

62 100

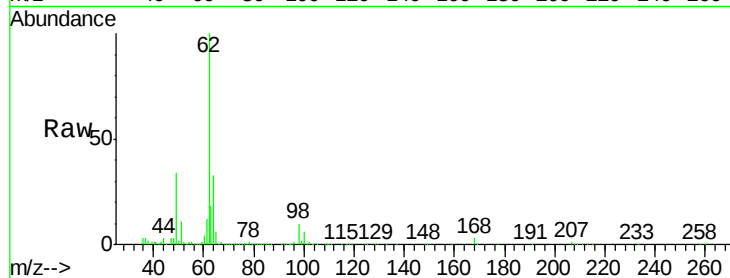
98 10.2 0.0 22.0

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Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

150000

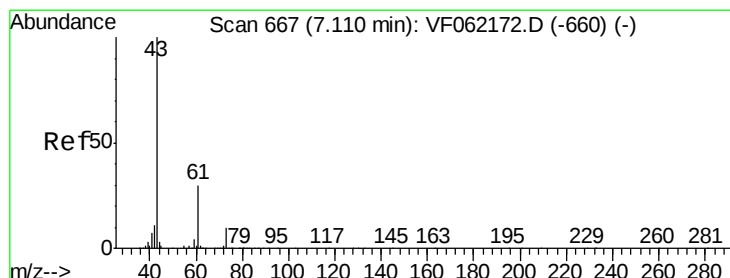
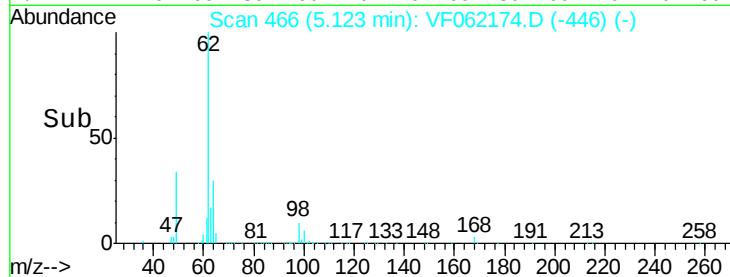
100000

50000

0

5.00 5.10 5.20 5.30

Time-->



#43

Isopropyl Acetate

Concen: 90.943 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

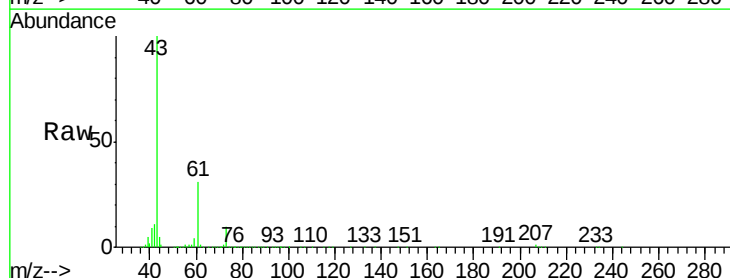
Tgt Ion: 43 Resp: 374197

Ion Ratio Lower Upper

43 100

61 31.1 23.7 35.5

87 0.3 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

200000

150000

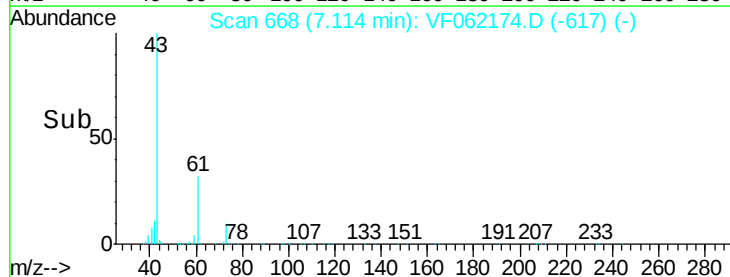
100000

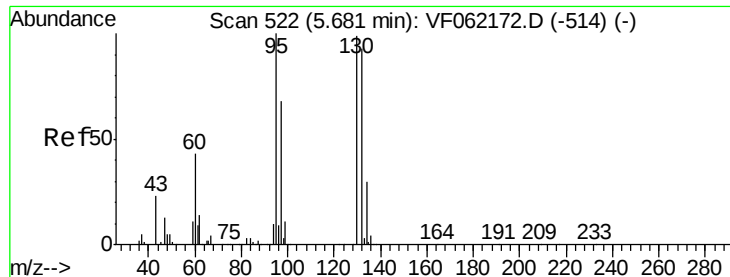
50000

0

7.00 7.10 7.20 7.30

Time-->





#44

Trichloroethene

Concen: 87.243 ug/l

RT: 5.68 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 473947

Ion Ratio Lower Upper

130 100

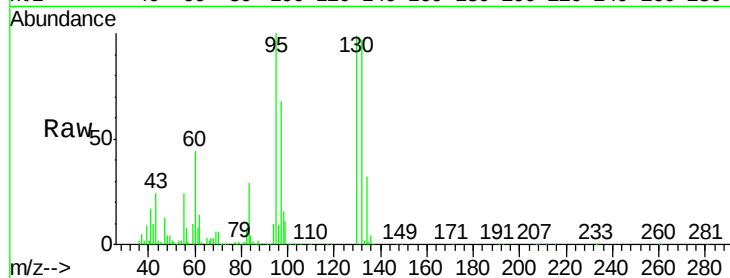
95 100.7 0.0 202.2

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

200000

150000

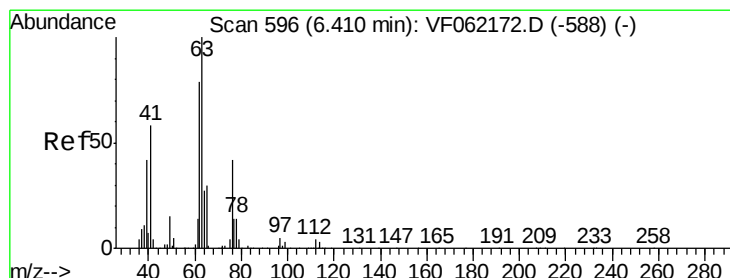
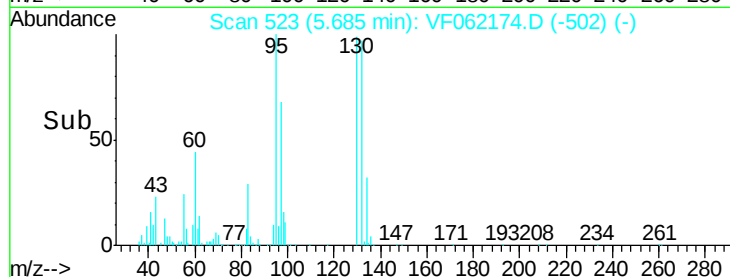
100000

50000

0

5.60 5.70 5.80 5.90

Time-->



#45

1,2-Dichloropropane

Concen: 88.918 ug/l

RT: 6.40 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062174.D

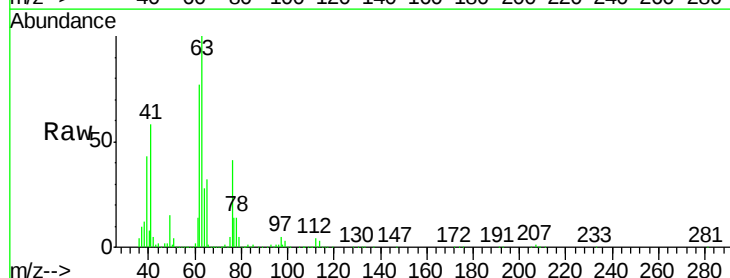
Acq: 16 Apr 2019 13:14

Tgt Ion: 63 Resp: 442737

Ion Ratio Lower Upper

63 100

65 32.2 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

150000

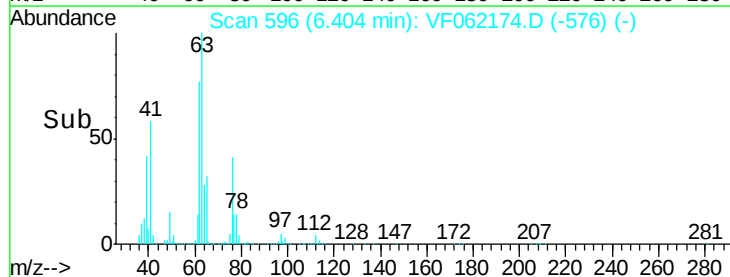
100000

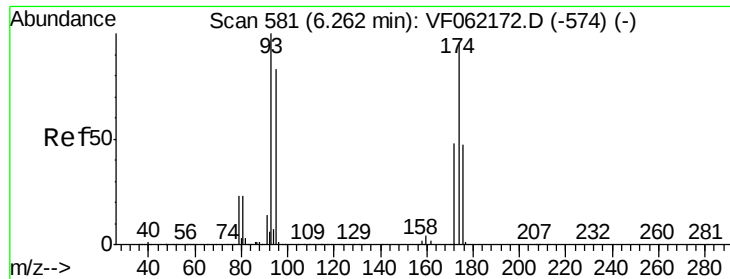
50000

0

6.20 6.30 6.40 6.50 6.60

Time-->





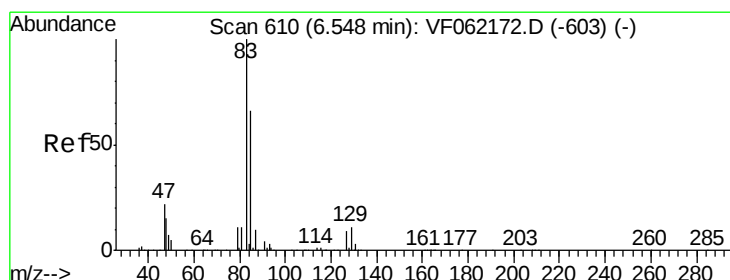
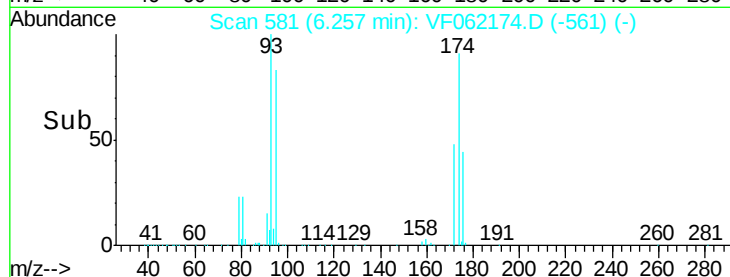
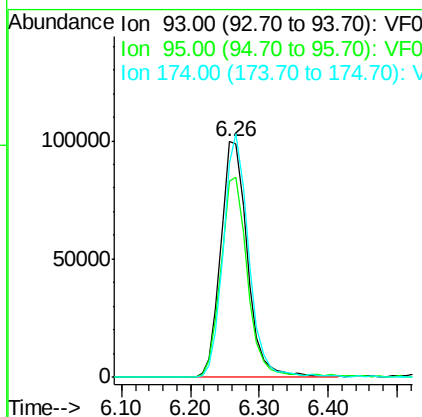
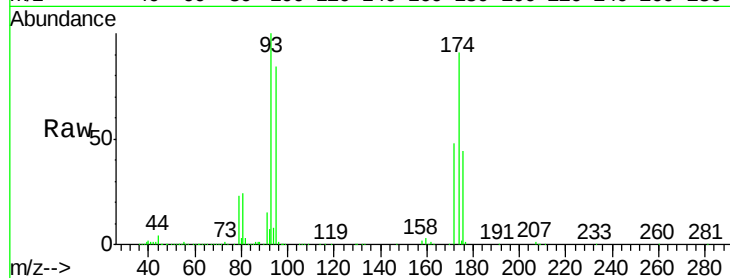
#46
Dibromomethane
Concen: 89.449 ug/l
RT: 6.26 min Scan# 581
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
93	100	268572		
95	83.6		67.0	100.6
174	91.0		76.3	114.5

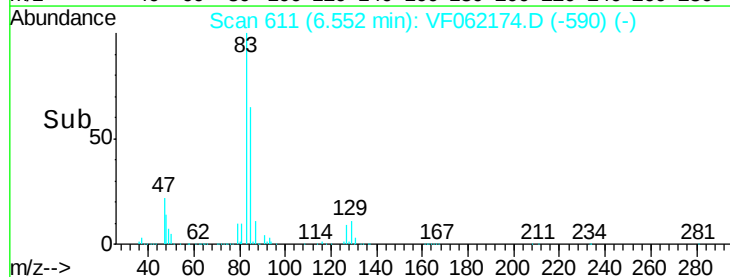
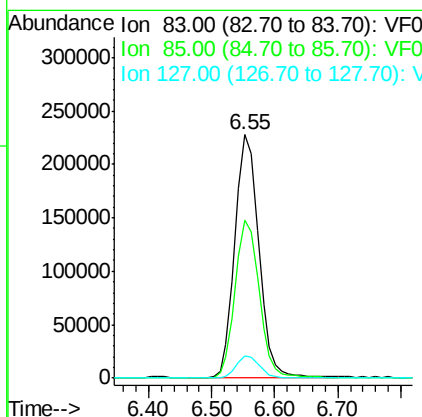
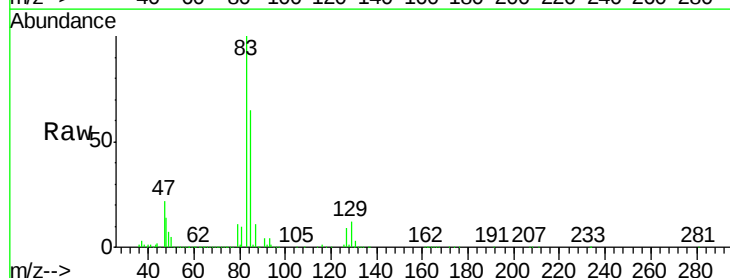
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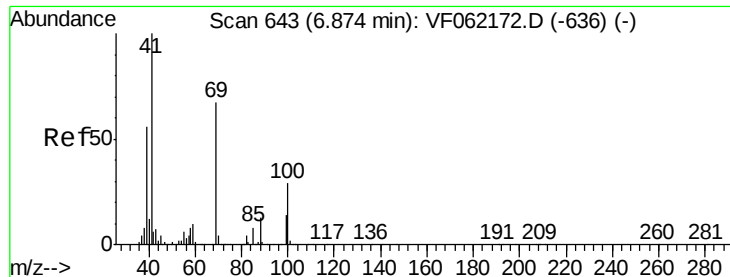
MMDadoda
4/17/2019 11:50:32 AM



#47
Bromodichloromethane
Concen: 88.026 ug/l
RT: 6.55 min Scan# 611
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	598770		
85	64.6		52.6	79.0
127	8.9		6.8	10.2





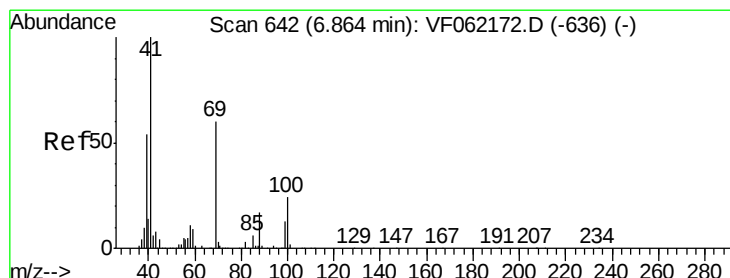
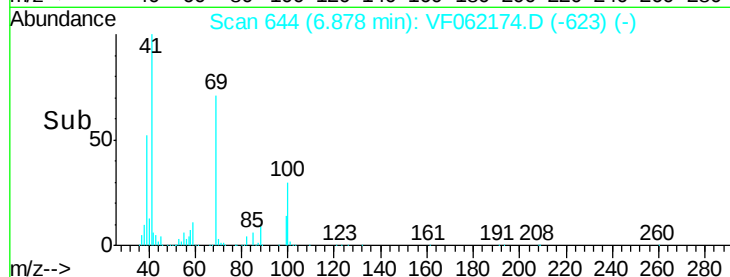
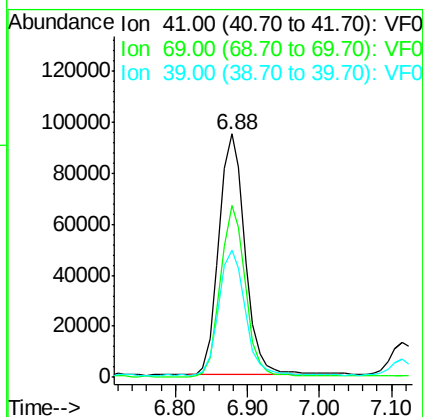
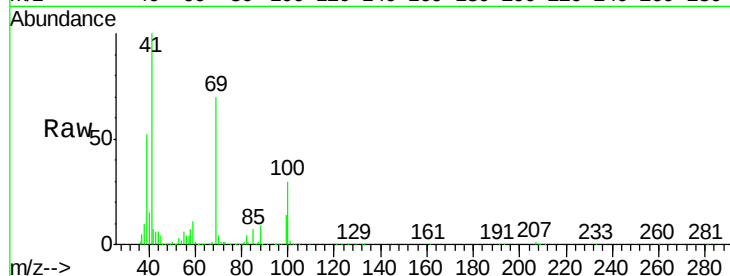
#48
Methvl methacrylate
Concen: 87.425 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
69	70.4	52.8	79.2
39	52.3	45.0	67.4

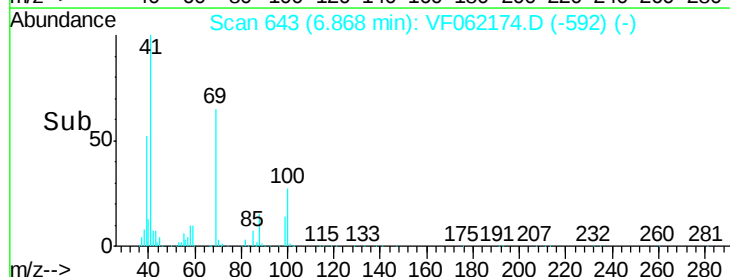
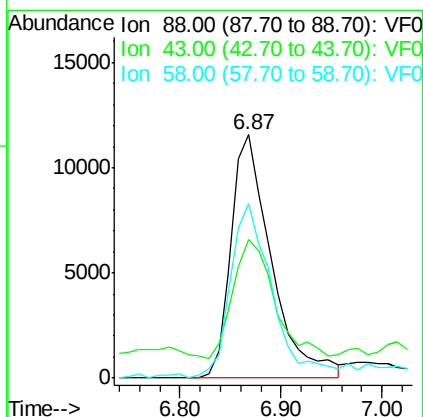
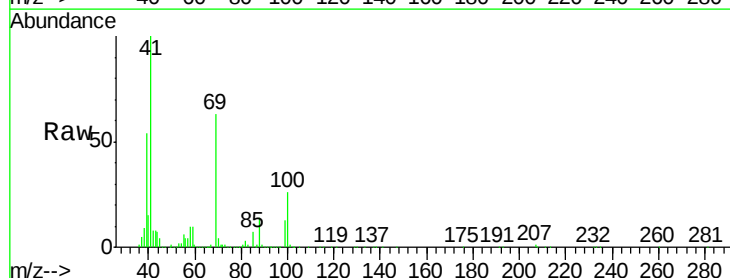
Manual Integrations
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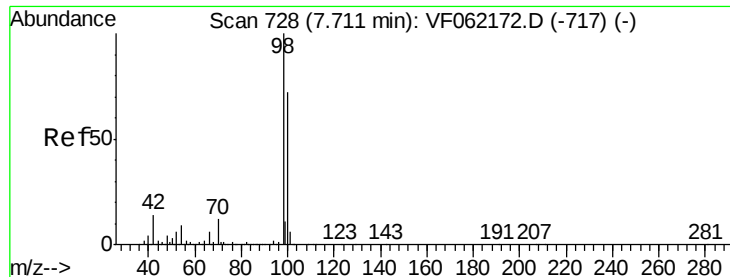
MMDadoda
4/17/2019 11:50:32 AM



#49
1,4-Dioxane
Concen: 1543.887 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
88	100		
43	57.2	49.5	74.3
58	71.6	52.6	79.0





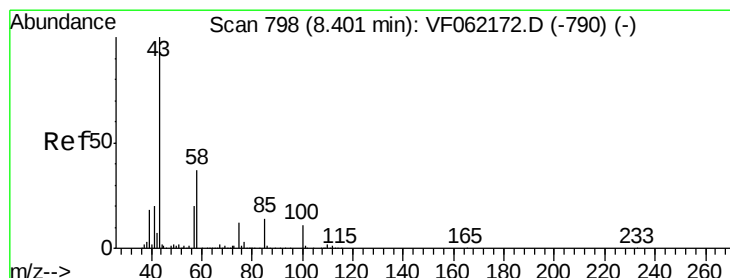
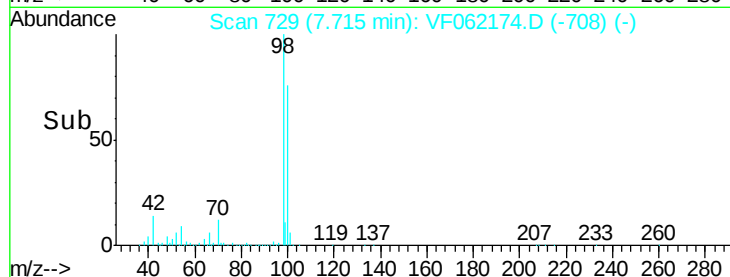
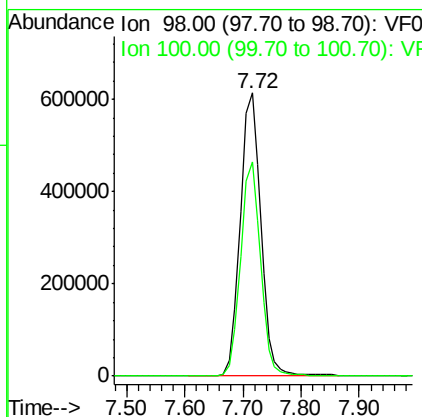
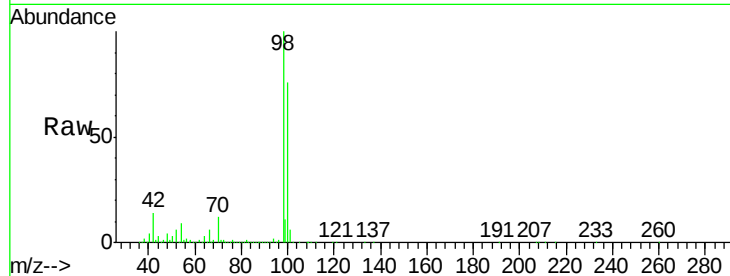
#50
Toluene-d8
Concen: 95.875 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 1528397
Ion Ratio Lower Upper
98 100
100 75.8 57.4 86.0

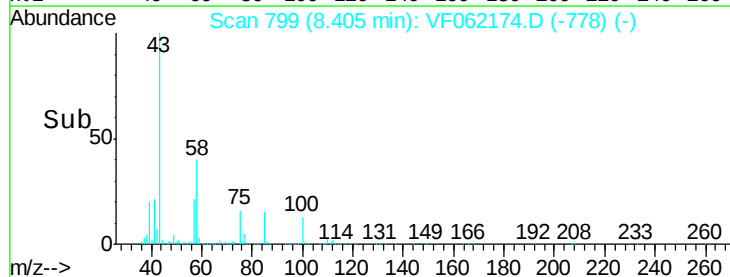
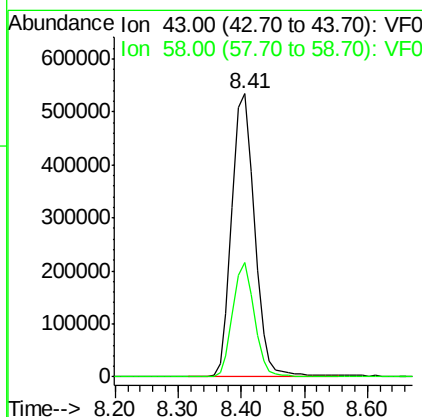
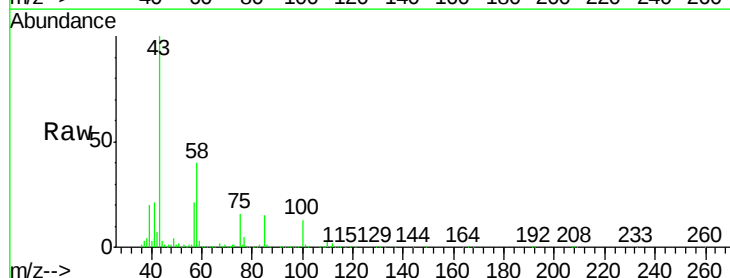
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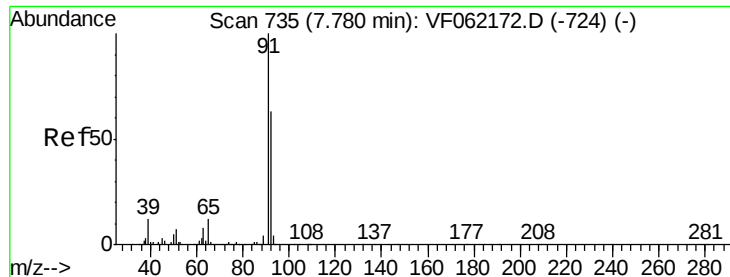
MMDadoda
4/17/2019 11:50:32 AM



#51
4-Methyl-2-Pentanone
Concen: 422.802 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion: 43 Resp: 1332734
Ion Ratio Lower Upper
43 100
58 40.3 29.7 44.5





#52

Toluene

Concen: 88.326 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 92 Resp: 1053140

Ion Ratio Lower Upper

92 100

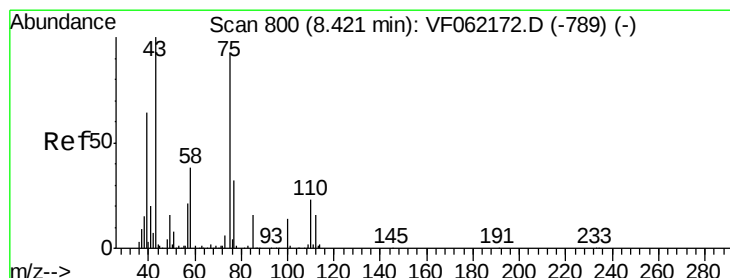
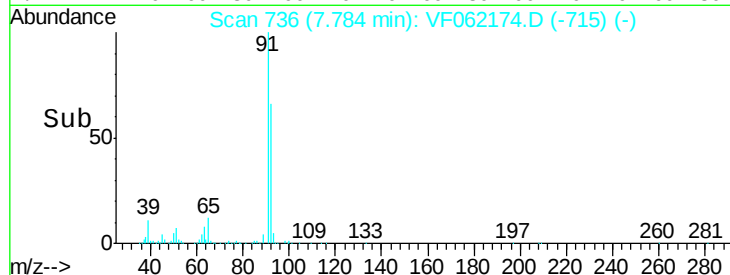
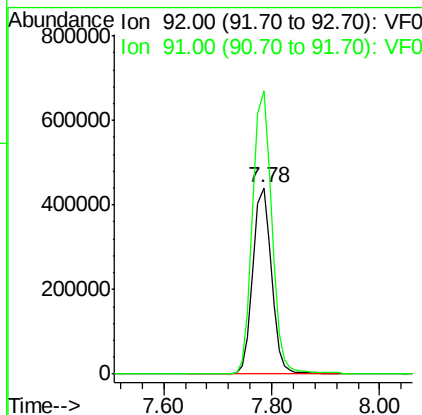
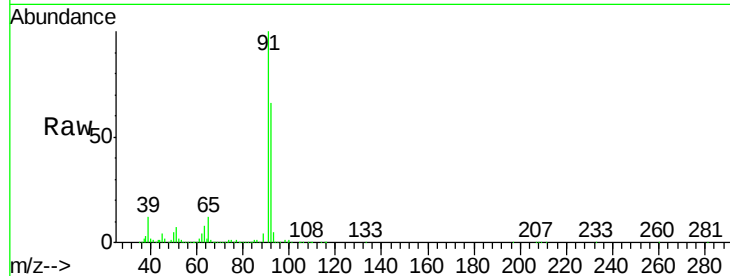
91 151.9 126.9 190.3

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4/17/2019 11:50:32 AM



#53

t-1,3-Dichloropropene

Concen: 90.626 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062174.D

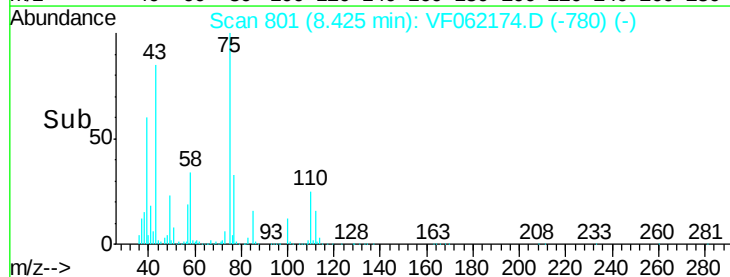
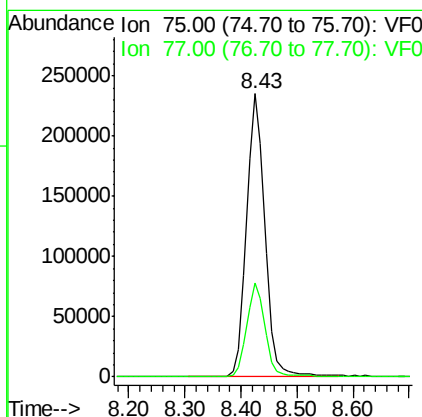
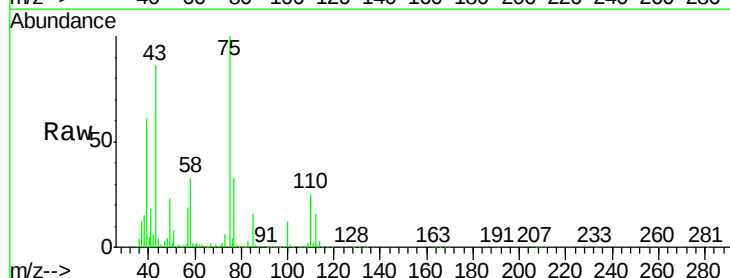
Acq: 16 Apr 2019 13:14

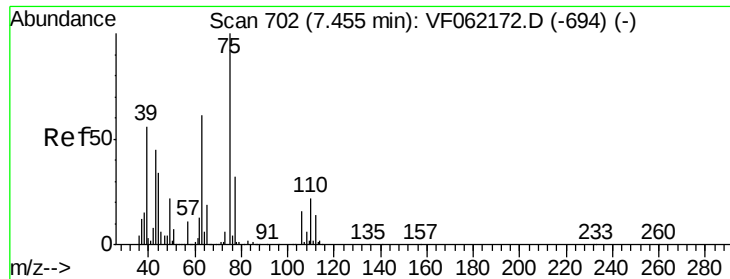
Tgt Ion: 75 Resp: 533962

Ion Ratio Lower Upper

75 100

77 33.1 27.8 41.6





#54

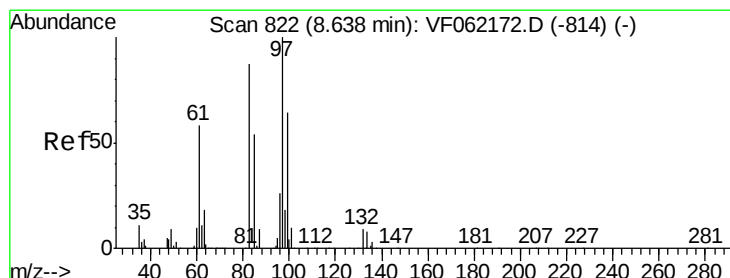
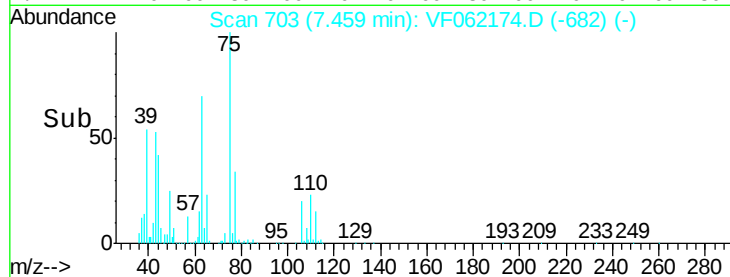
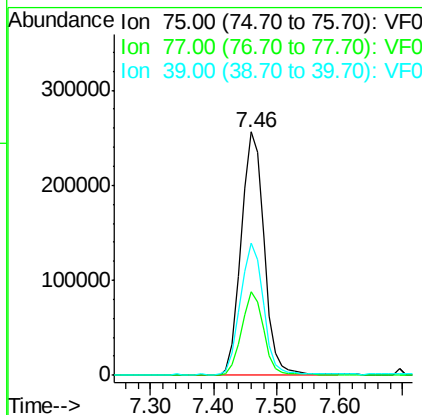
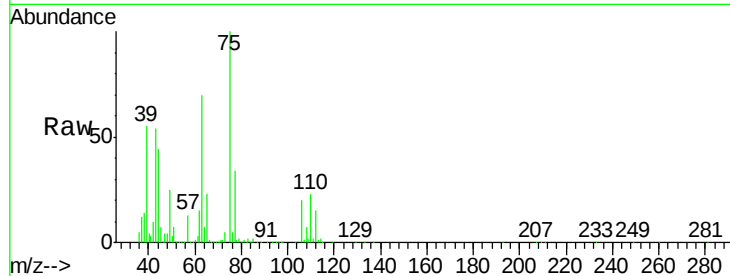
cis-1,3-Dichloropropene
Concen: 86.557 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.2	26.0	39.0
39	54.5	45.2	67.8

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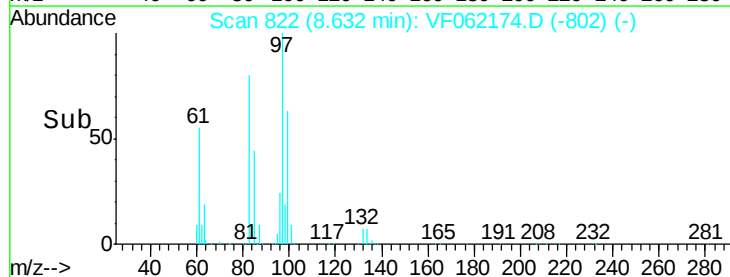
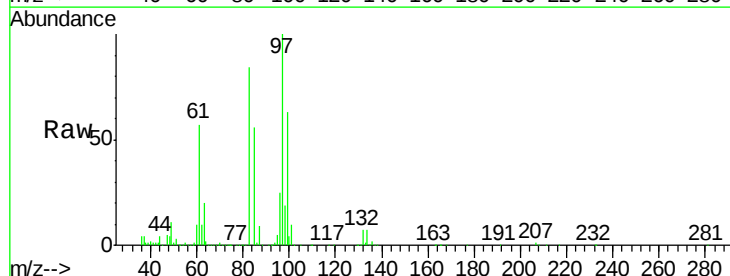
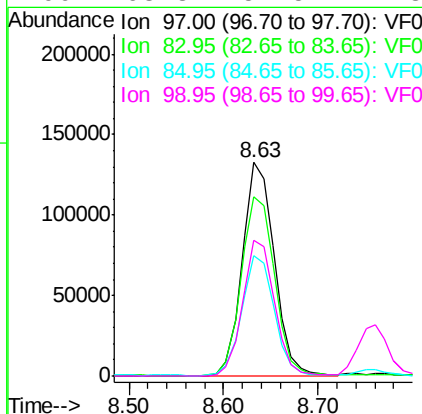
MMDadoda
4/17/2019 11:50:32 AM

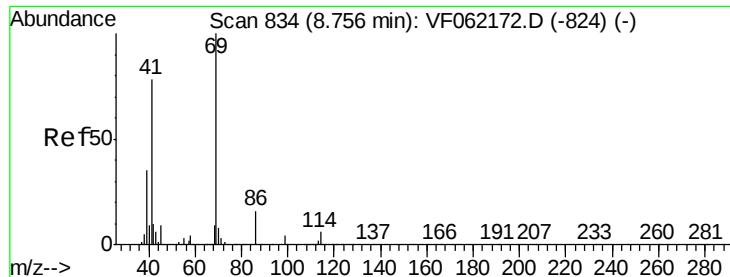


#55

1,1,2-Trichloroethane
Concen: 91.031 ug/l
RT: 8.63 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.6	104.4
85	56.4	43.5	65.3
99	63.3	51.5	77.3





#56

Ethyl methacrylate

Concen: 88.760 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

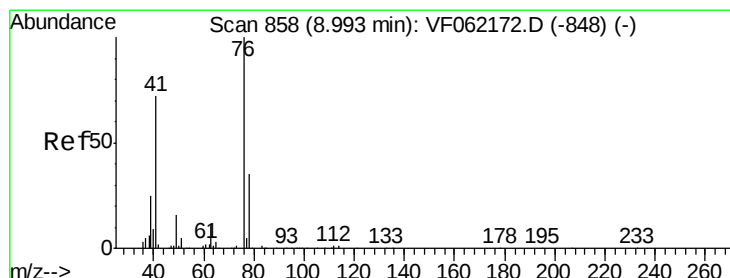
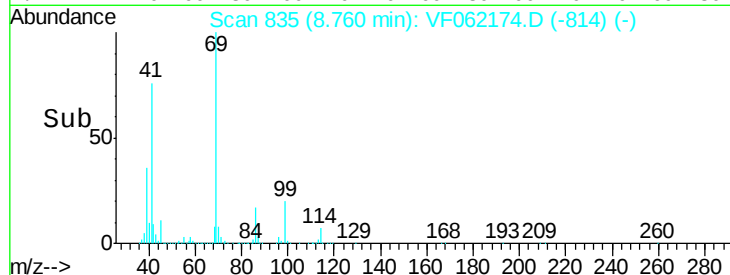
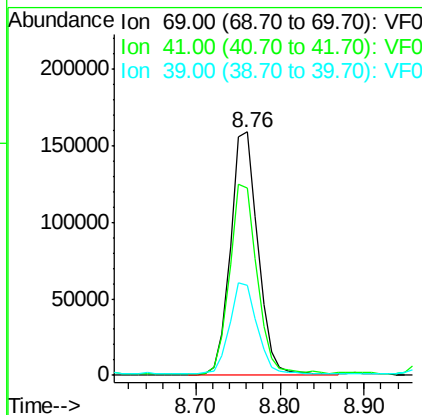
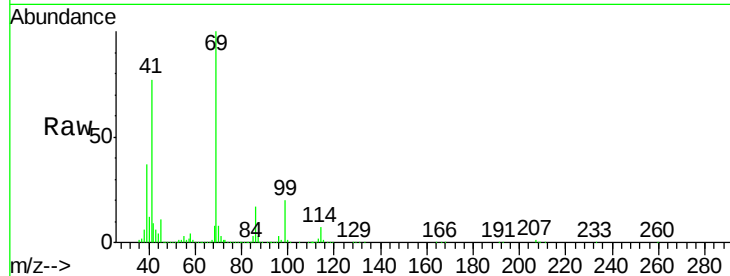
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	360426
Ion Ratio	Lower	Upper	
69	100		
41	76.7	63.4	95.0
39	36.8	29.0	43.6

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#57

1,3-Dichloropropane

Concen: 87.907 ug/l

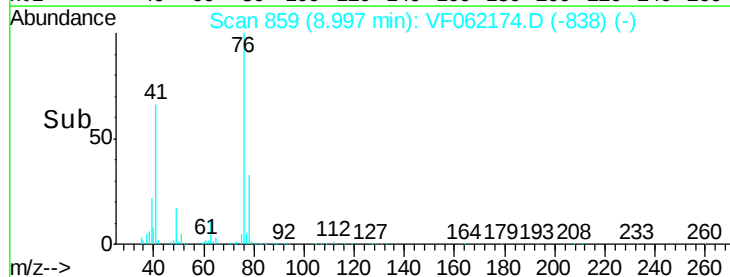
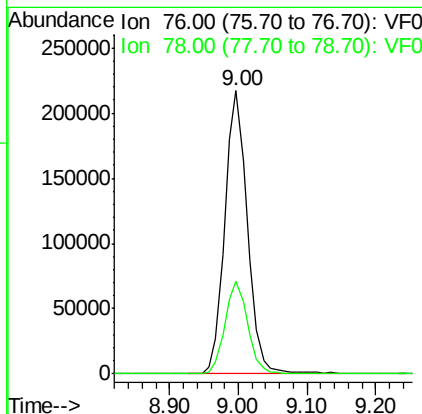
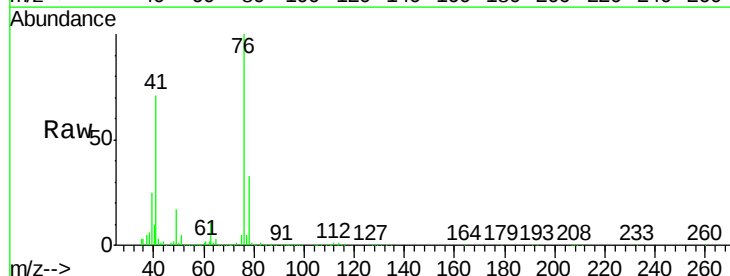
RT: 9.00 min Scan# 859

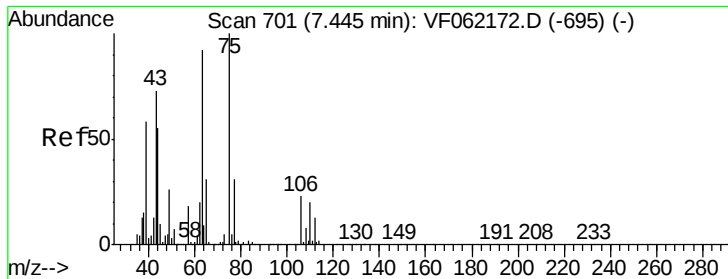
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	76	Resp:	493526
Ion Ratio	Lower	Upper	
76	100		
78	32.9	28.2	42.2





#58

2-Chloroethyl Vinyl ether

Concen: 471.618 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 493426

Ion Ratio Lower Upper

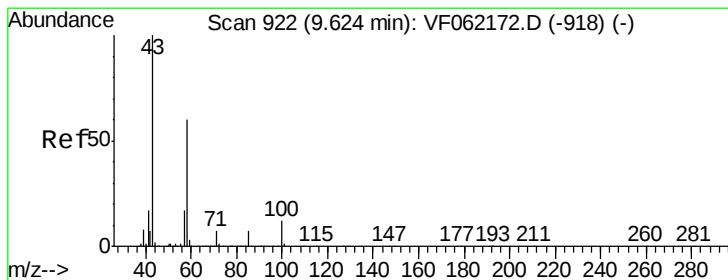
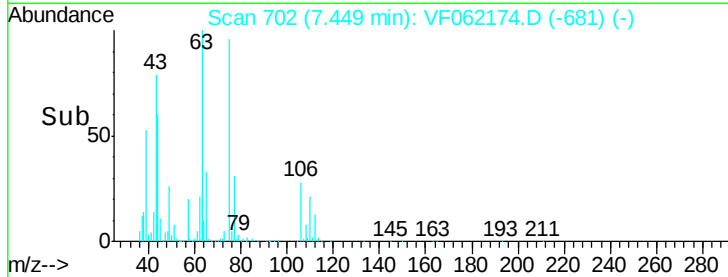
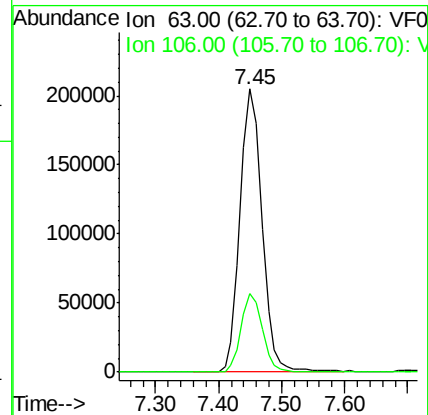
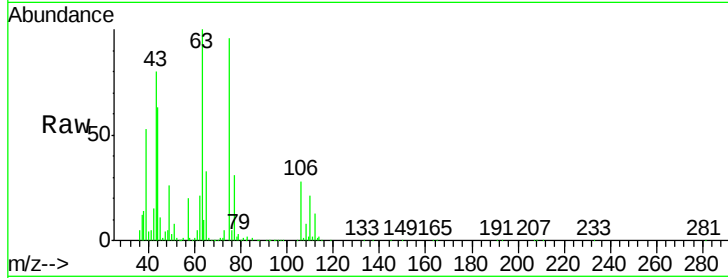
63 100

106 27.7 20.2 30.4

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4/17/2019 11:50:32 AM



#59

2-Hexanone

Concen: 423.974 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: VF062174.D

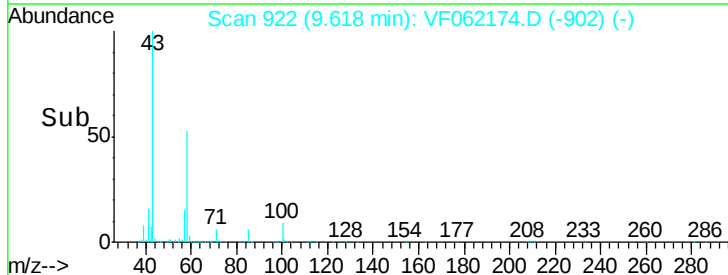
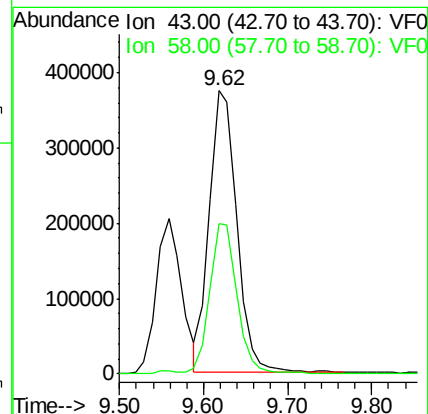
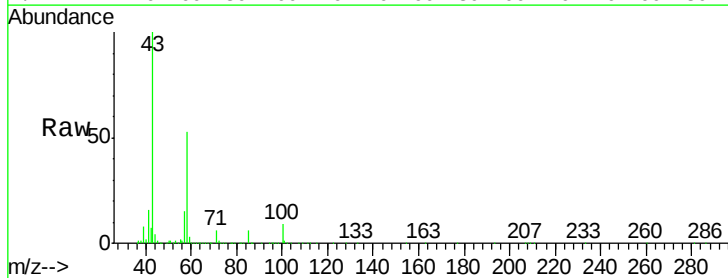
Acq: 16 Apr 2019 13:14

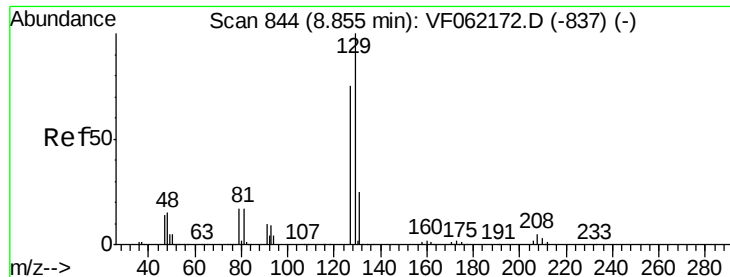
Tgt Ion: 43 Resp: 850533

Ion Ratio Lower Upper

43 100

58 53.0 26.8 80.4





#60

Dibromochloromethane

Concen: 89.168 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 418963

Ion Ratio Lower Upper

129 100

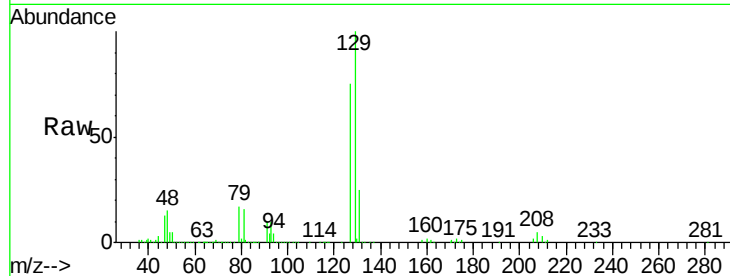
127 74.7 37.7 113.1

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.86

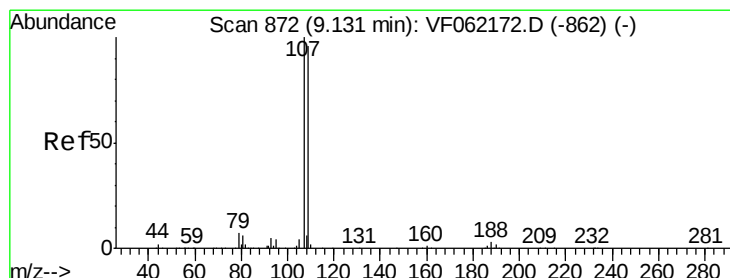
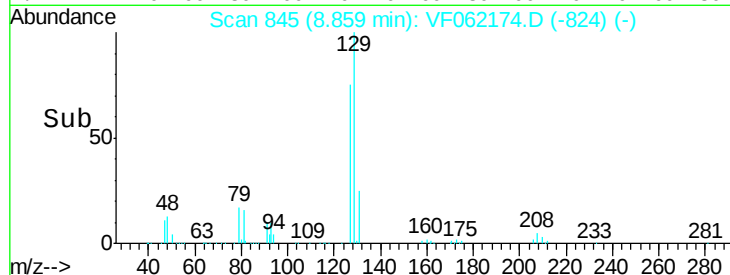
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00



#61

1,2-Dibromoethane

Concen: 91.554 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062174.D

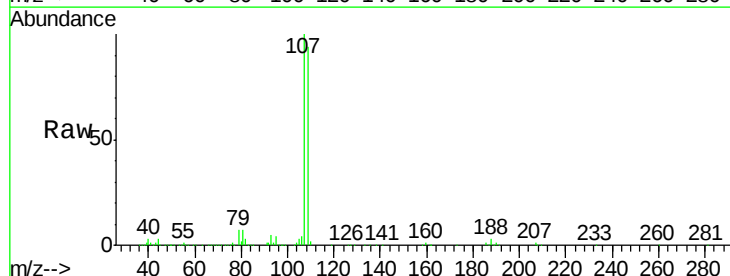
Acq: 16 Apr 2019 13:14

Tgt Ion:107 Resp: 334496

Ion Ratio Lower Upper

107 100

109 94.1 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

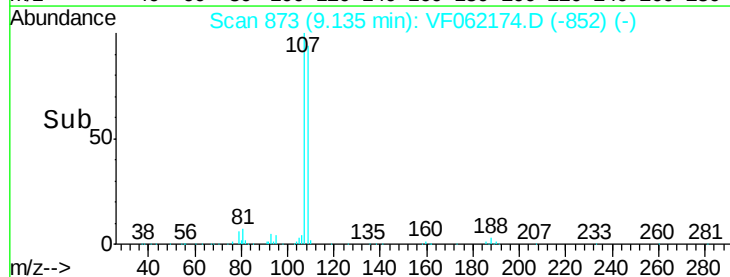
150000

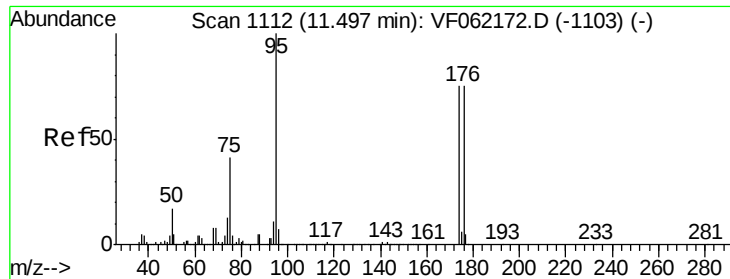
100000

50000

0

Time--> 9.00 9.10 9.20 9.30





#62

4-Bromofluorobenzene

Concen: 96.522 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

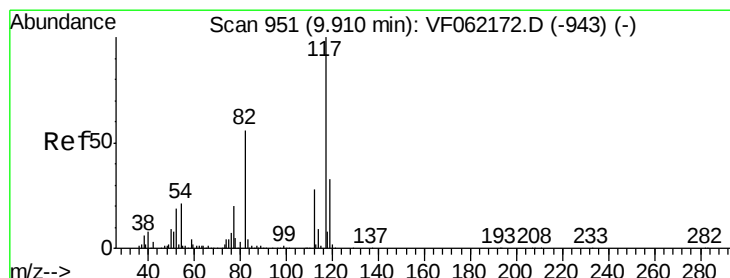
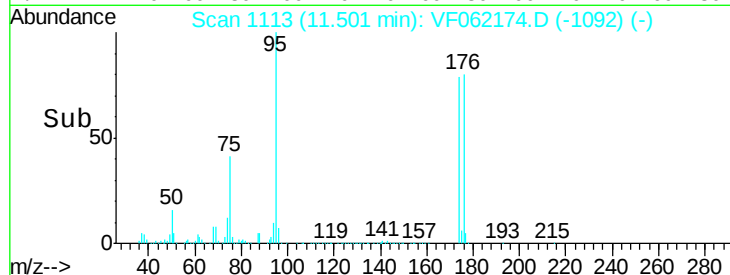
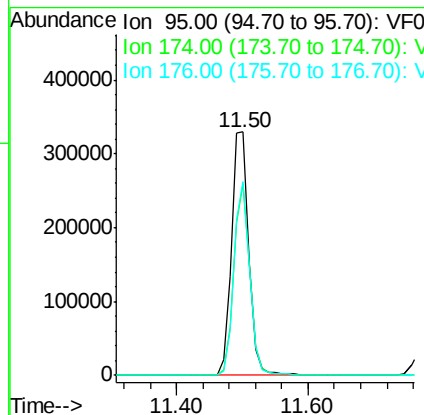
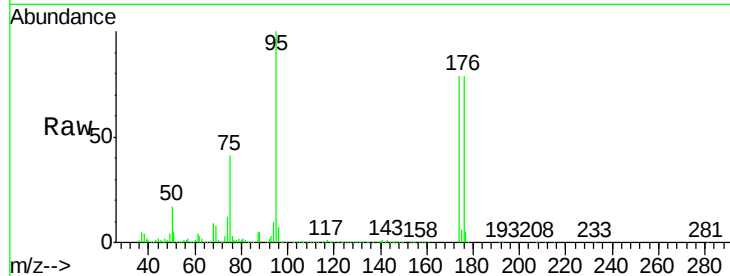
ClientSampleId :

VSTDIC100

Tot Ion:	95	Resp:	607640
Ion Ratio	Lower	Upper	
95	100		
174	78.6	0.0	150.2
176	79.5	0.0	149.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

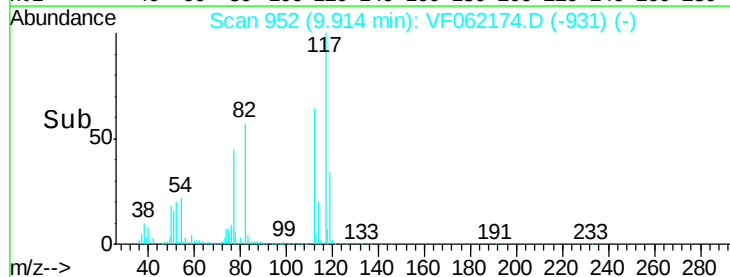
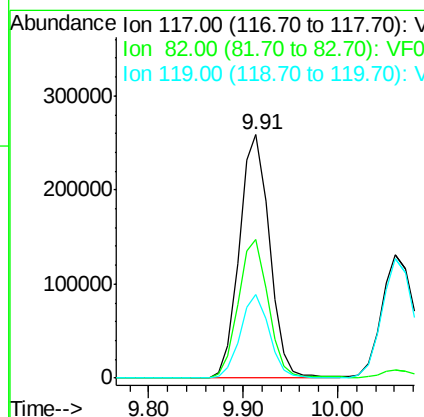
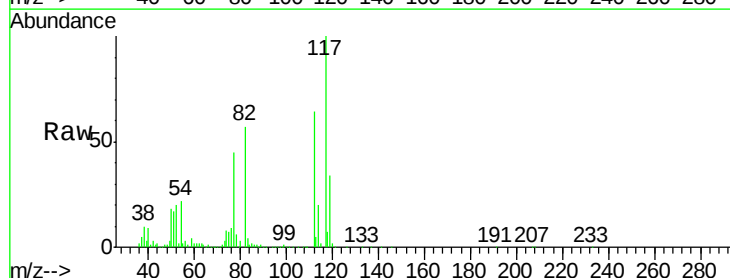
RT: 9.91 min Scan# 952

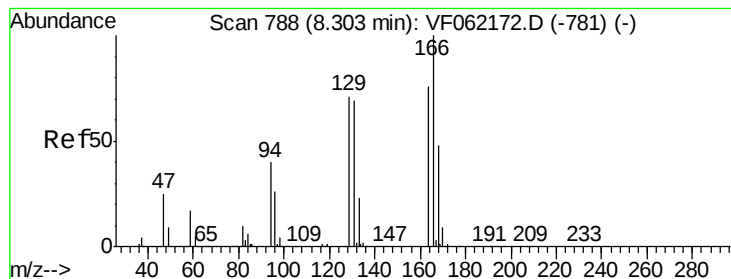
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	117	Resp:	575270
Ion Ratio	Lower	Upper	
117	100		
82	57.0	45.2	67.8
119	34.4	26.6	39.8





#64

Tetrachloroethene

Concen: 86.026 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 404194

Ion Ratio Lower Upper

164 100

166 133.9 105.9 158.9

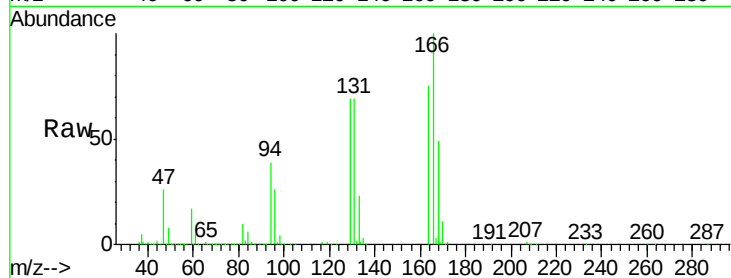
129 92.7 75.3 112.9

131 92.2 73.4 110.2

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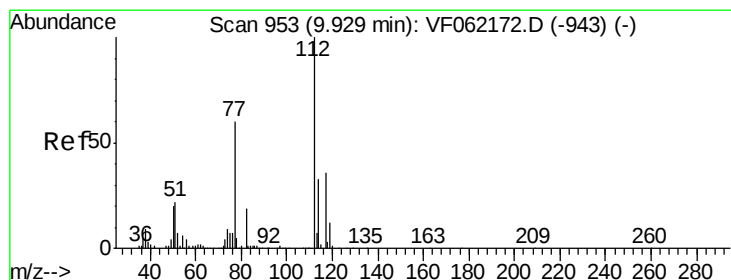
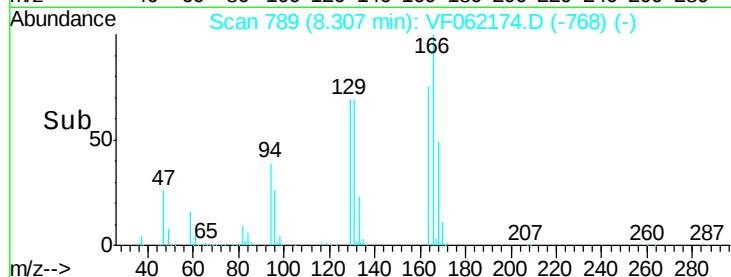
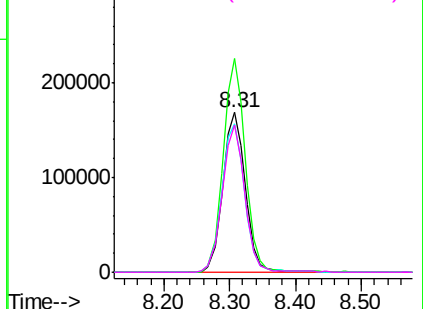


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#65

Chlorobenzene

Concen: 88.995 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062174.D

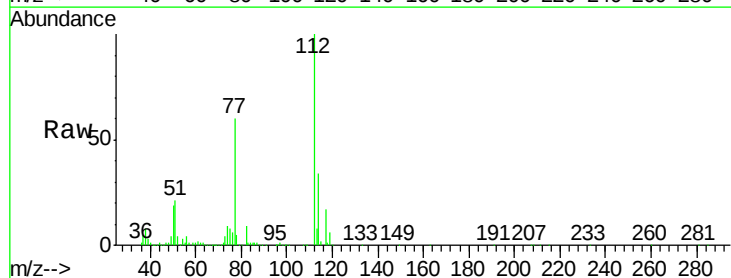
Acq: 16 Apr 2019 13:14

Tgt Ion:112 Resp: 1065014

Ion Ratio Lower Upper

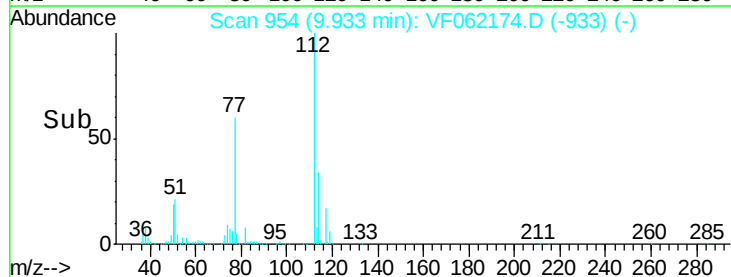
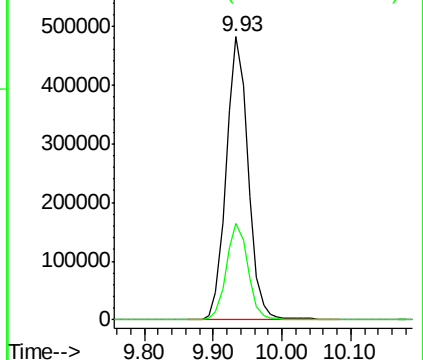
112 100

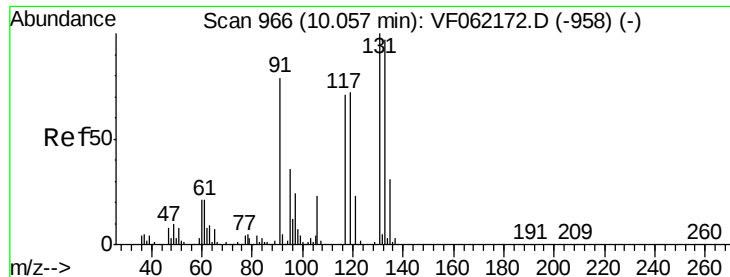
114 34.2 26.6 39.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 85.370 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

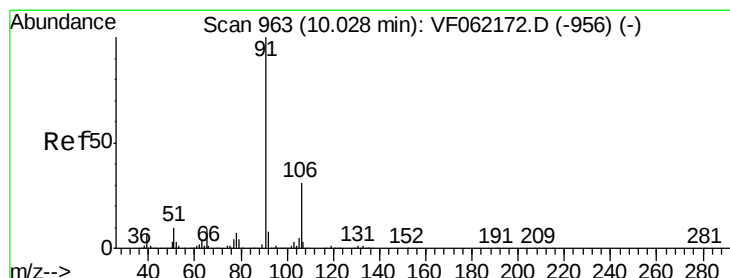
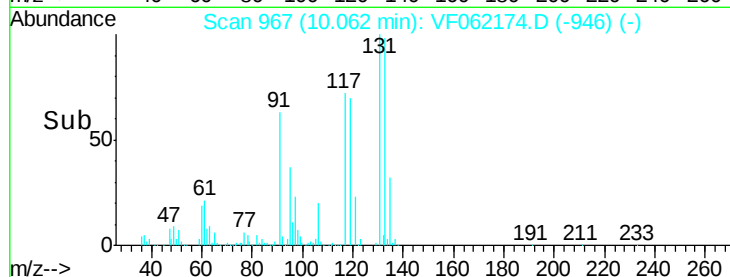
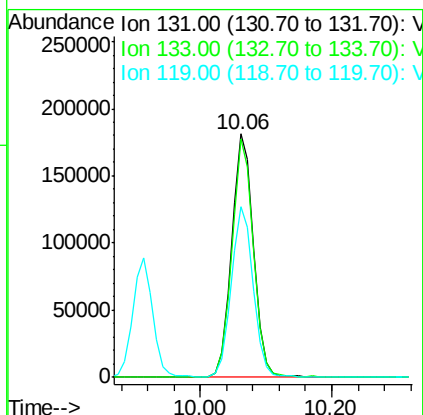
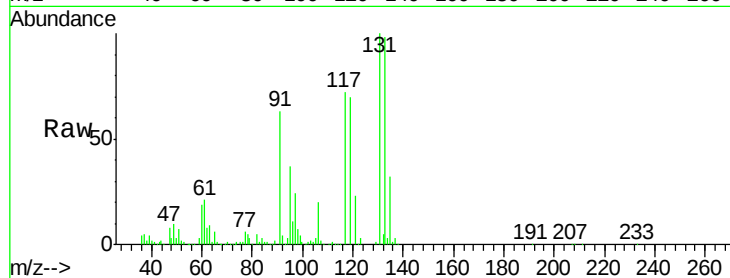
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	421775
Ion	Ratio	Lower	Upper
131	100		
133	97.7	48.4	145.2
119	70.2	36.3	108.9

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#67

Ethyl Benzene

Concen: 83.781 ug/l

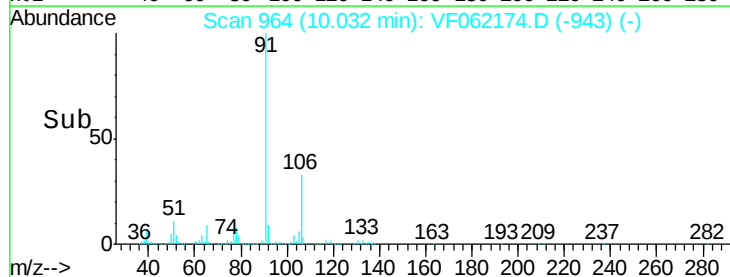
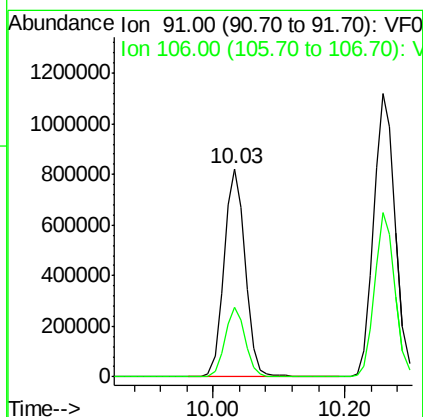
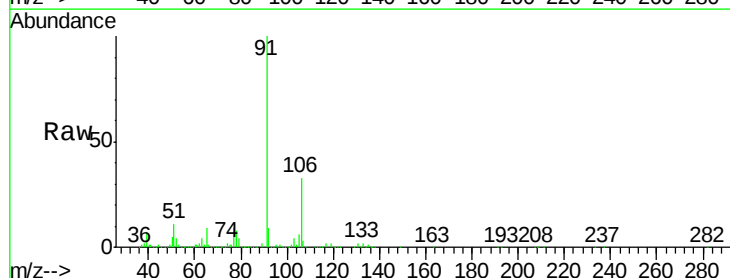
RT: 10.03 min Scan# 964

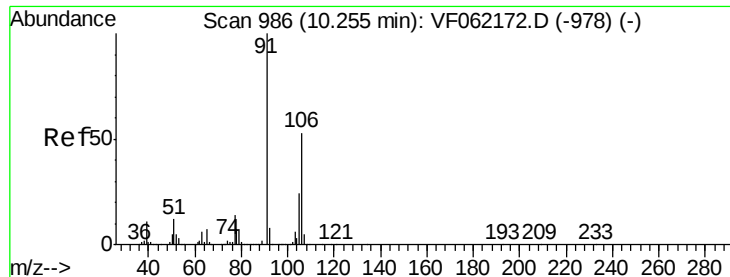
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	91	Resp:	1858535
Ion	Ratio	Lower	Upper
91	100		
106	33.3	24.7	37.1





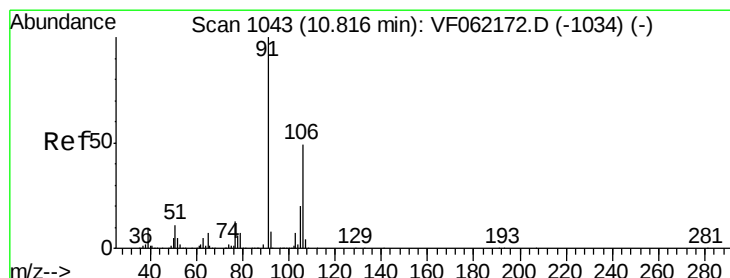
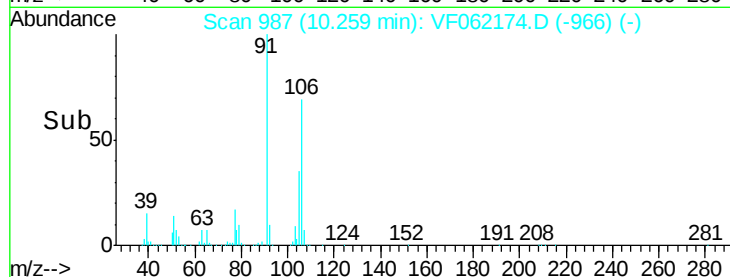
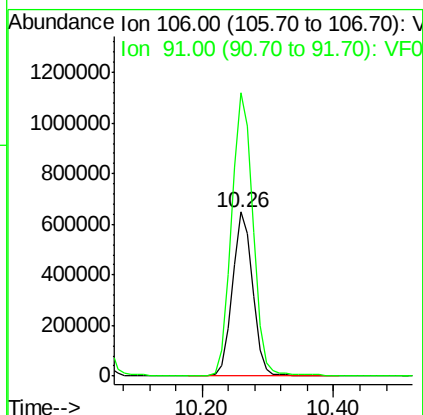
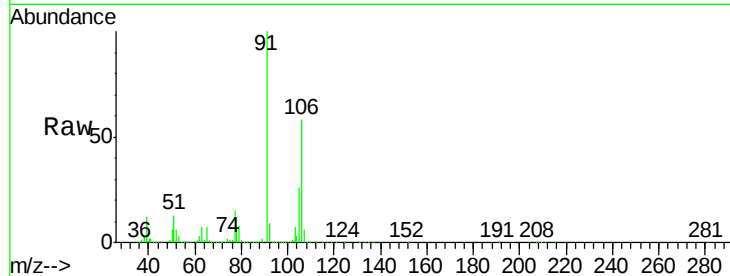
#68
m/p-Xylenes
Concen: 171.404 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1399968
Ion Ratio Lower Upper
106 100
91 172.7 151.7 227.5

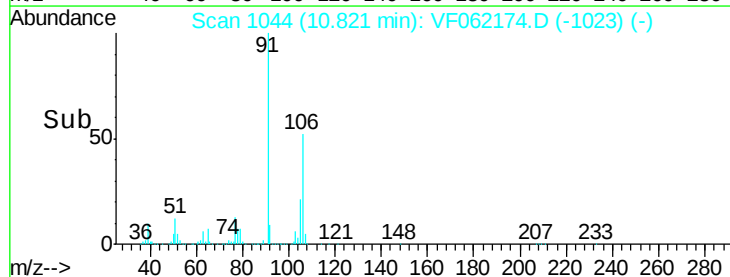
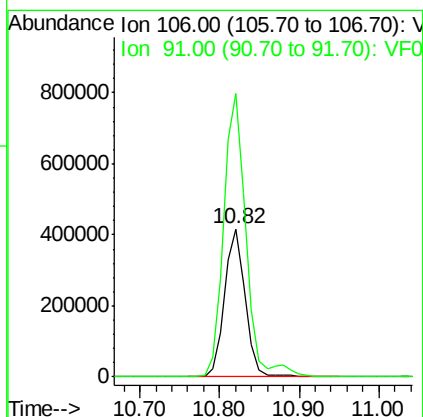
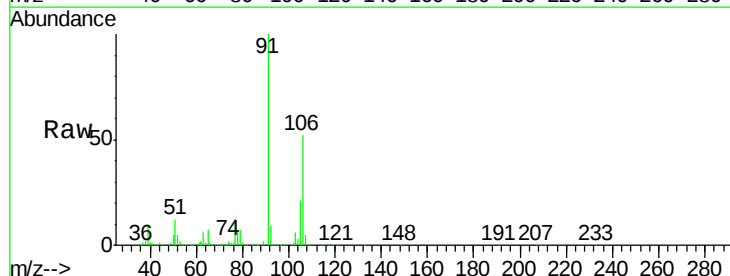
Manual Integrations
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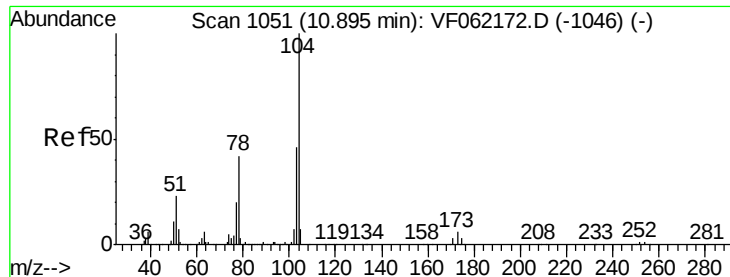
MMDadoda
4/17/2019 11:50:32 AM



#69
o-Xylene
Concen: 86.302 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion:106 Resp: 763016
Ion Ratio Lower Upper
106 100
91 191.1 101.9 305.7





#70

Stvrene

Concen: 83.776 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:104 Resp: 1076705

Ion Ratio Lower Upper

104 100

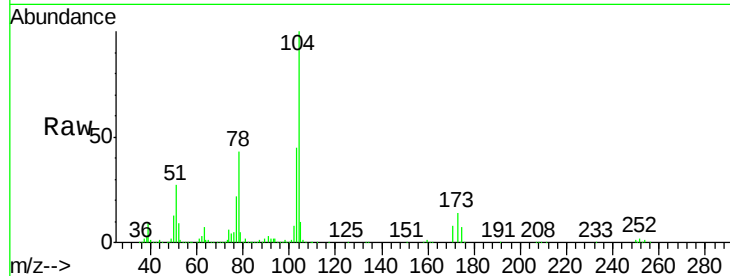
78 43.5 33.7 50.5

103 45.4 37.2 55.8

Manual Integrations
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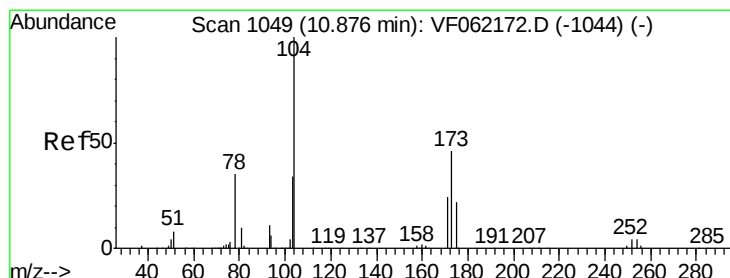
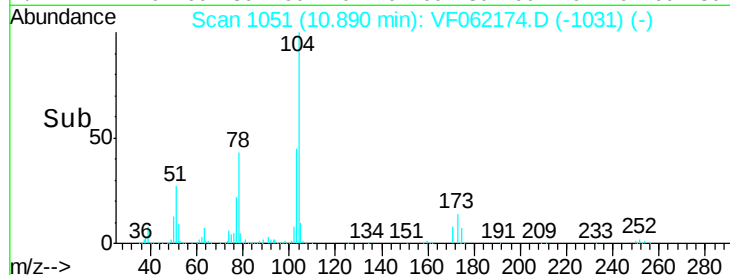
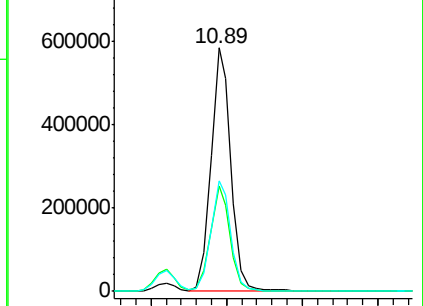
4/17/2019 11:50:32 AM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 87.377 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

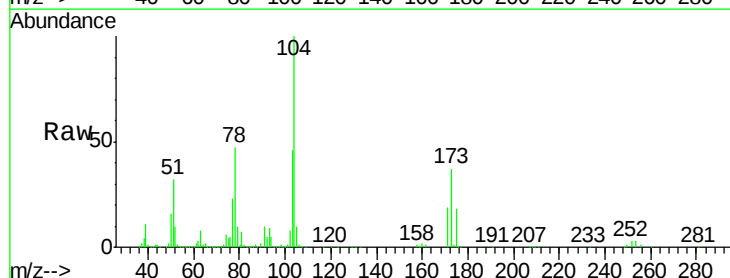
Tgt Ion:173 Resp: 226070

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

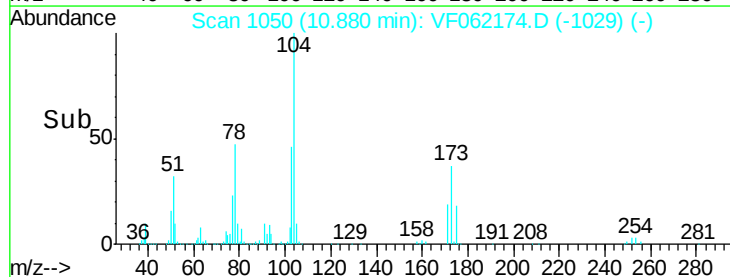
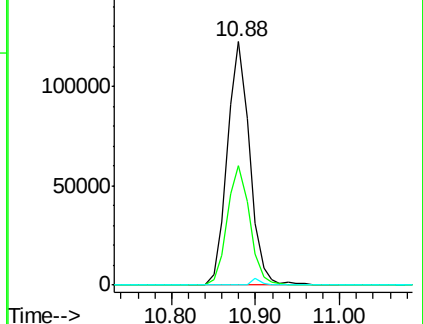
254 0.0 6.6 9.8#

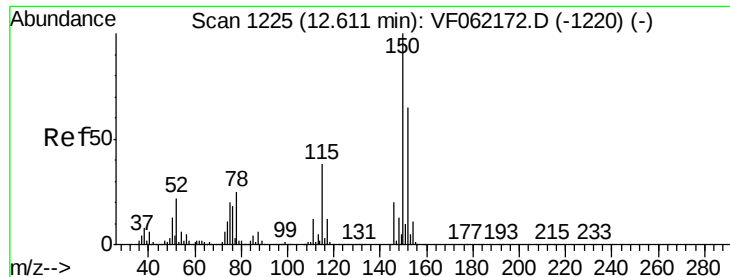


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#72

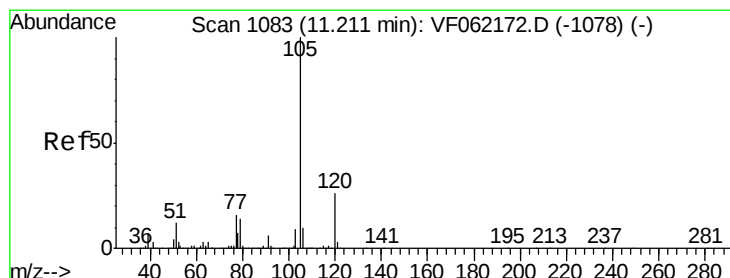
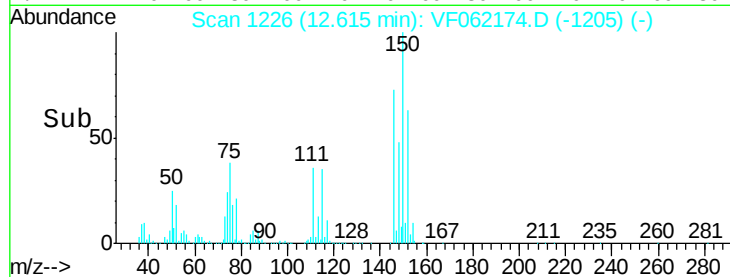
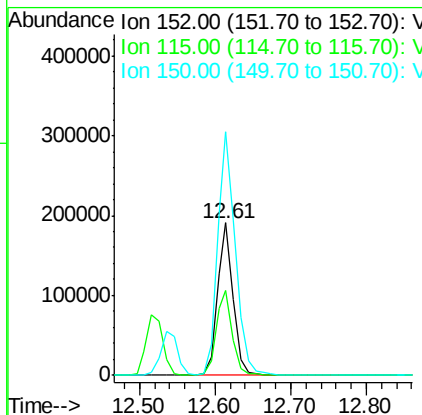
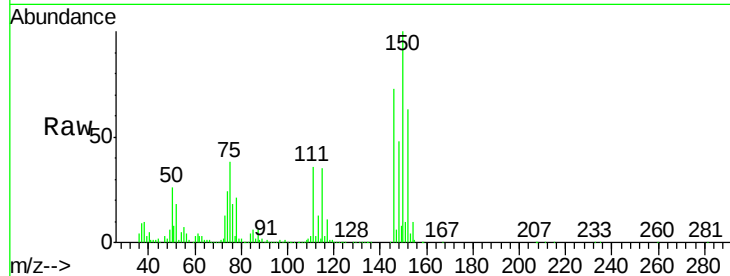
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.7	29.0	87.1
150	159.9	0.0	309.2

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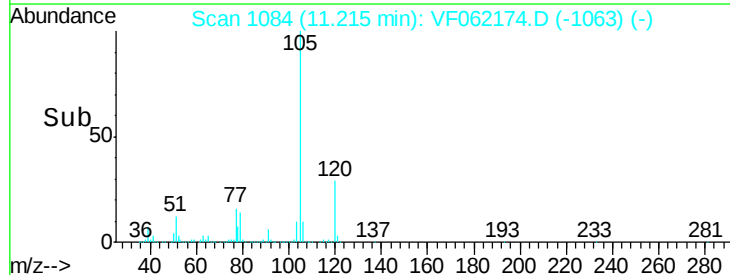
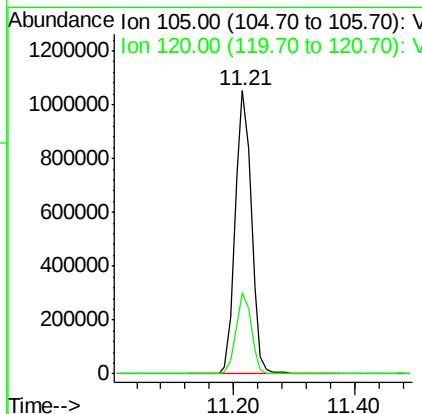
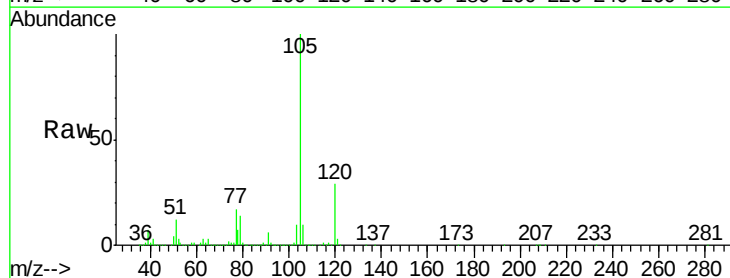
MMDadoda
4/17/2019 11:50:32 AM

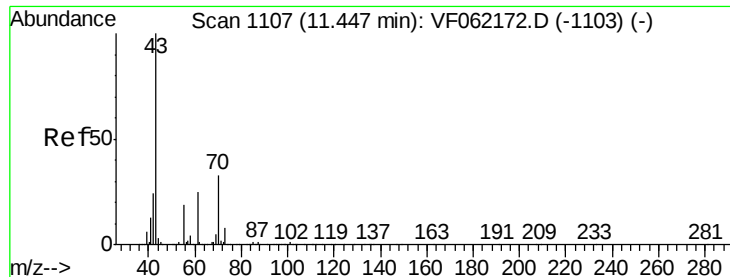


#73

Isopropylbenzene
Concen: 82.418 ug/l
RT: 11.21 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.0	38.9





#74

N-amvl acetate

Concen: 82.336 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

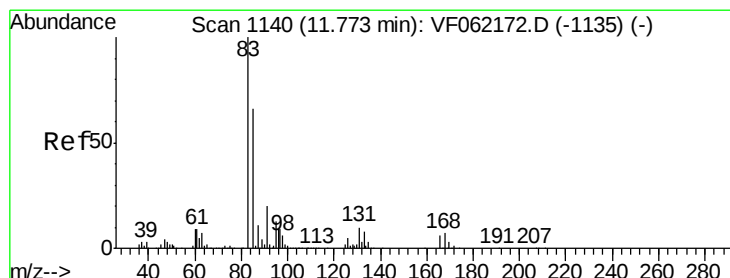
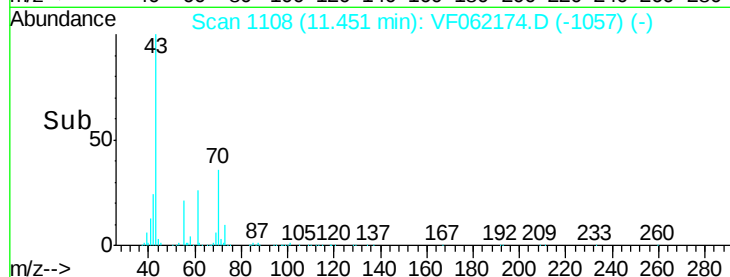
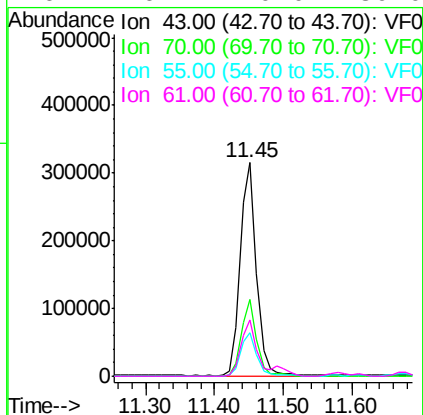
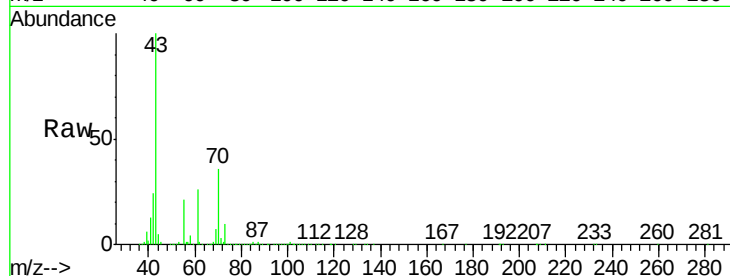
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	509493
Ion Ratio	Lower	Upper	
43	100		
70	35.8	26.6	39.8
55	20.6	15.0	22.6
61	26.2	20.0	30.0

Manual Integrations
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MMDadoda
4/17/2019 11:50:32 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 88.323 ug/l

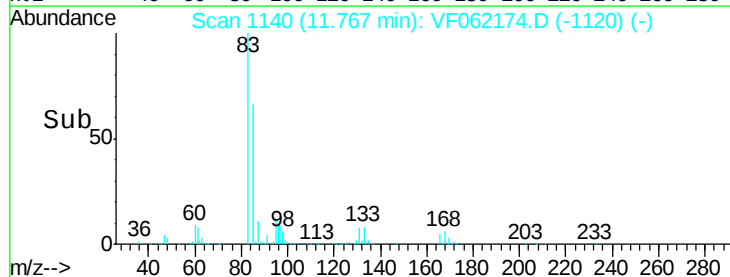
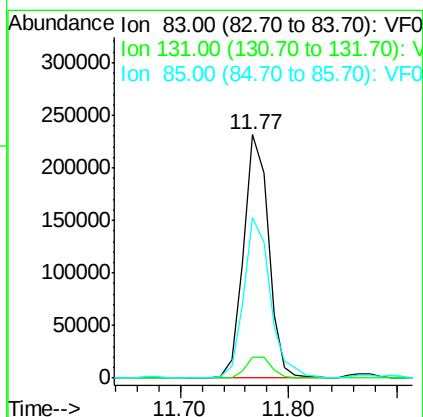
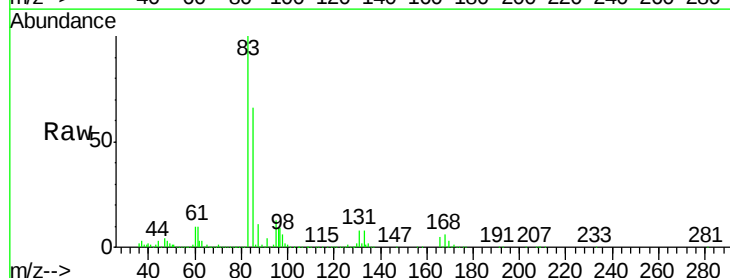
RT: 11.77 min Scan# 1140

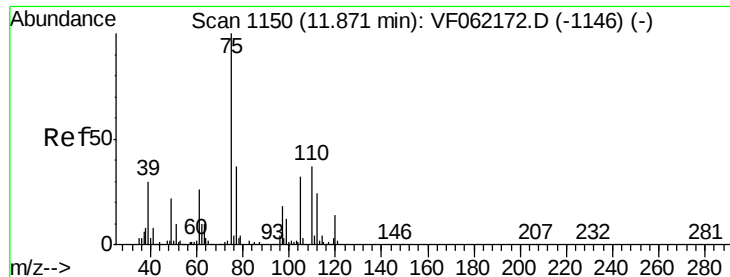
Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	83	Resp:	373525
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.8	14.4
85	65.8	33.2	99.6





#76

1,2,3-Trichloropropane

Concen: 88.876 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 254679

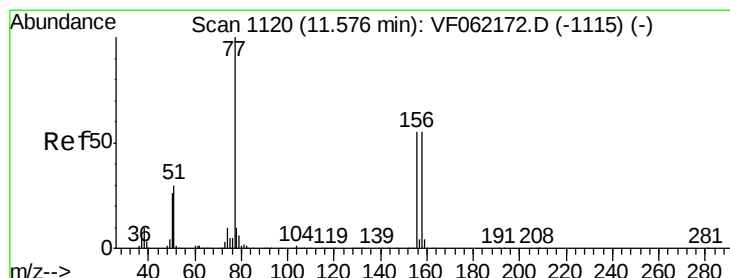
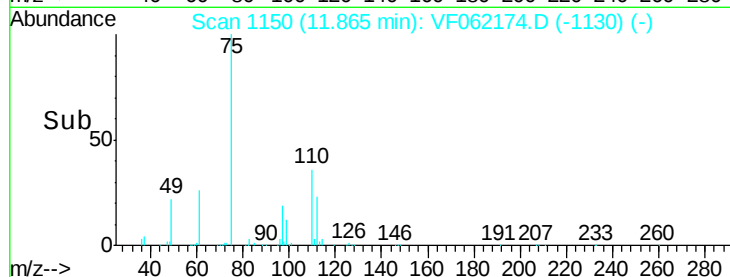
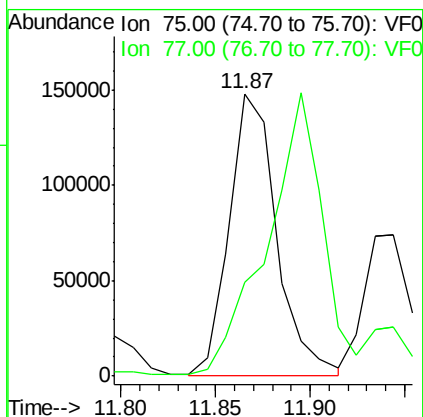
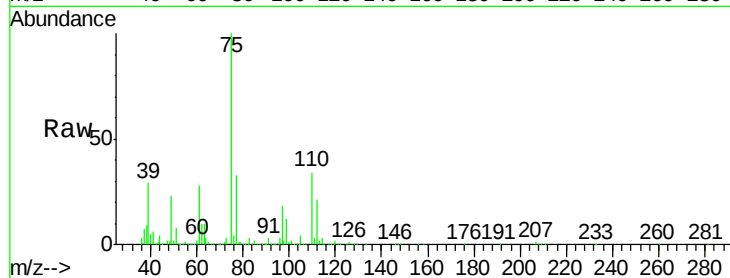
Ion Ratio Lower Upper

75 100

77 33.5 18.7 56.1

Manual Integrations
APPROVED

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#77

Bromobenzene

Concen: 89.841 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

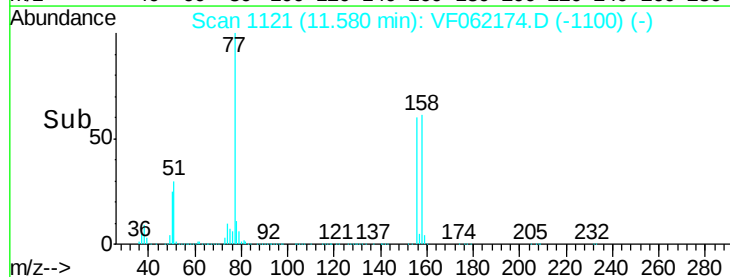
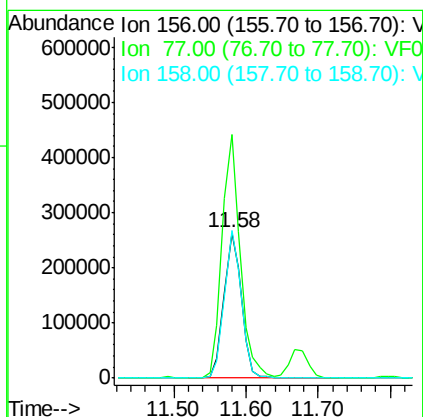
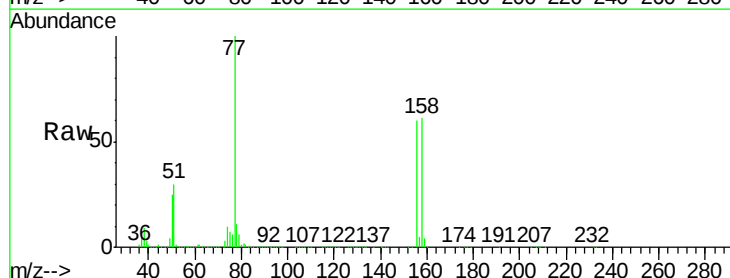
Tgt Ion: 156 Resp: 443571

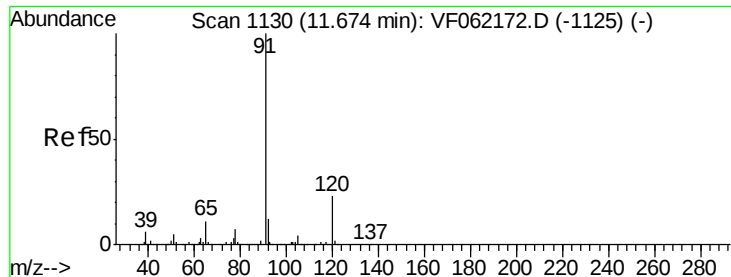
Ion Ratio Lower Upper

156 100

77 167.8 91.1 273.4

158 102.1 50.1 150.4





#78

n-propylbenzene

Concen: 81.161 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2190142

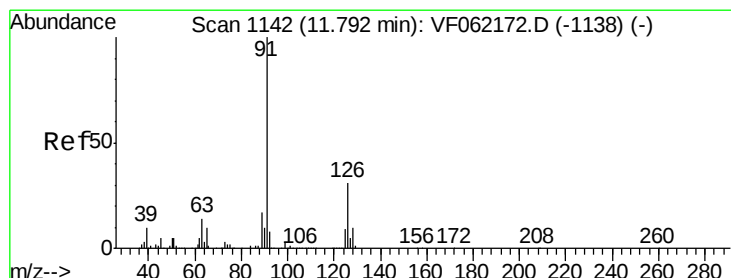
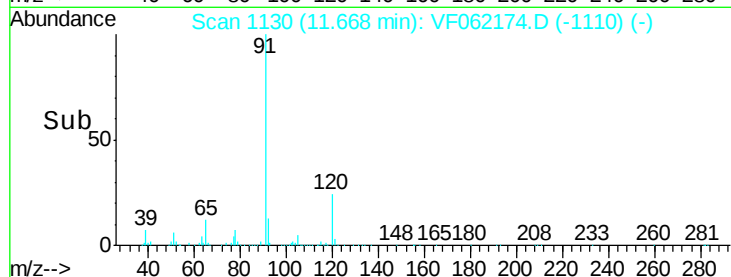
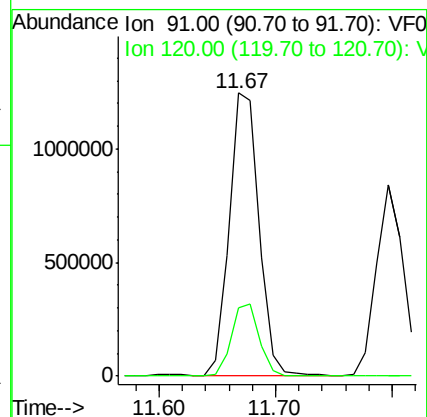
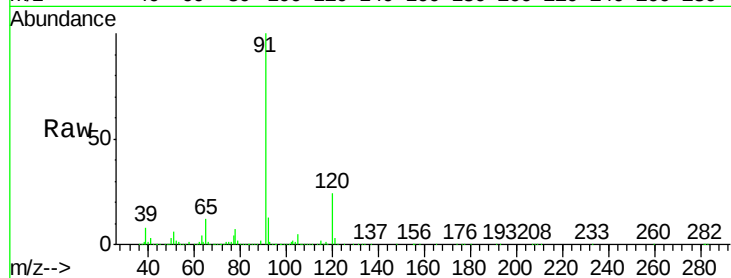
Ion Ratio Lower Upper

91 100

120 24.1 11.6 34.7

Manual Integrations
APPROVED

MMDadoda
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#79

2-Chlorotoluene

Concen: 84.707 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062174.D

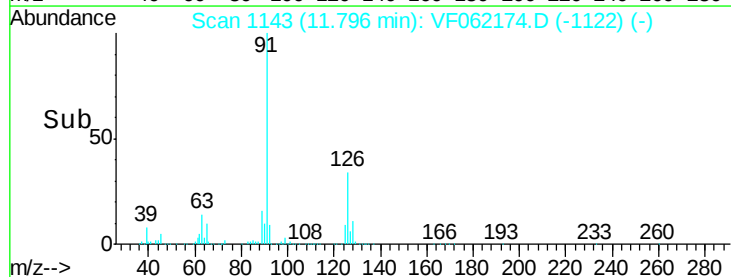
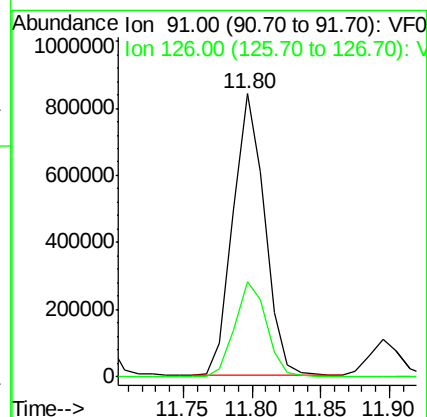
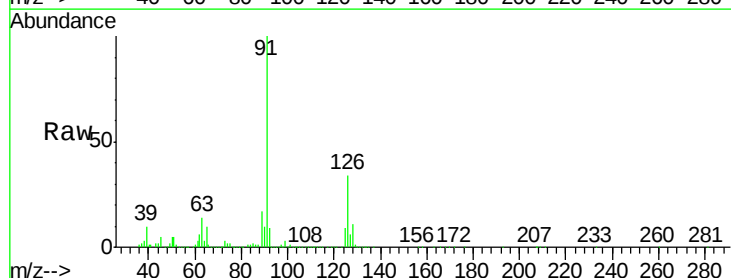
Acq: 16 Apr 2019 13:14

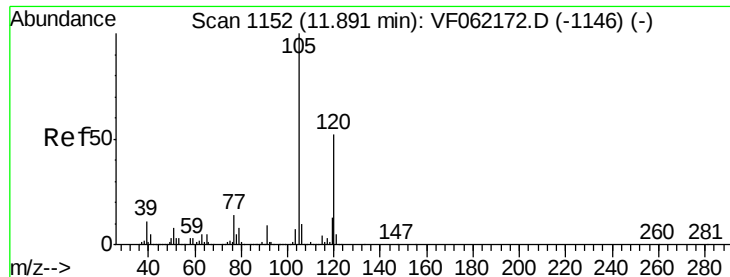
Tgt Ion: 91 Resp: 1347391

Ion Ratio Lower Upper

91 100

126 33.8 15.6 46.8





#80

1,3,5-Trimethylbenzene

Concen: 79.968 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1583368

Ion Ratio Lower Upper

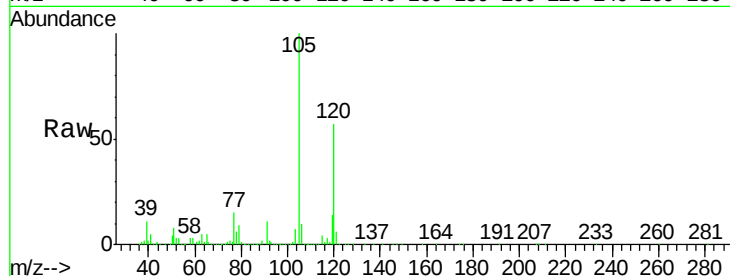
105 100

120 56.7 25.9 77.7

Manual Integrations
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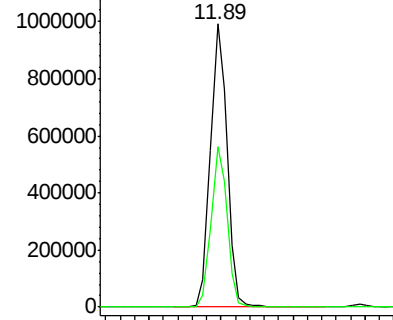
MMDadoda

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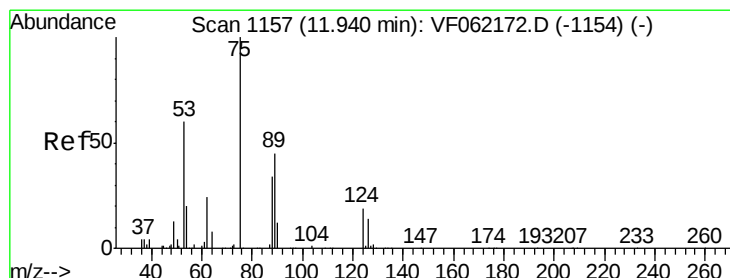
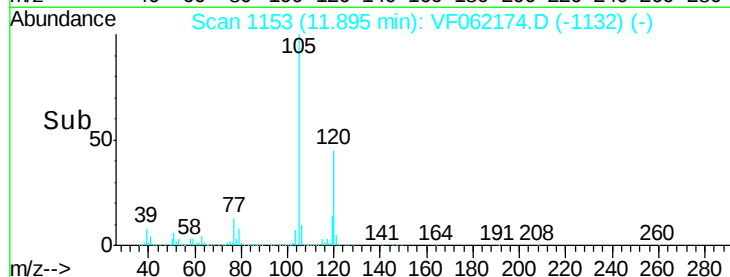


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 86.565 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

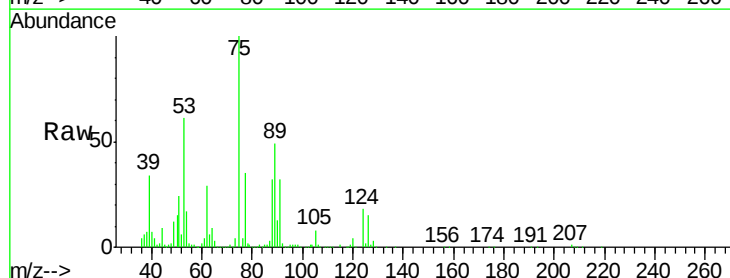
Tgt Ion: 75 Resp: 133481

Ion Ratio Lower Upper

75 100

53 61.4 53.4 80.0

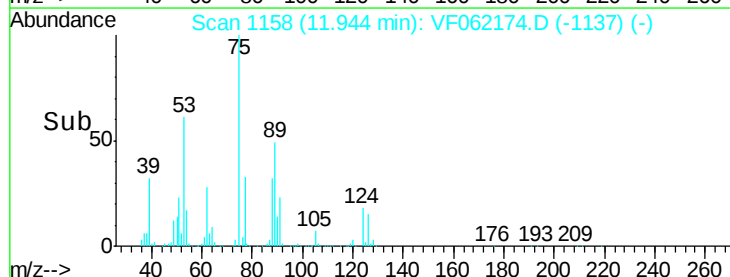
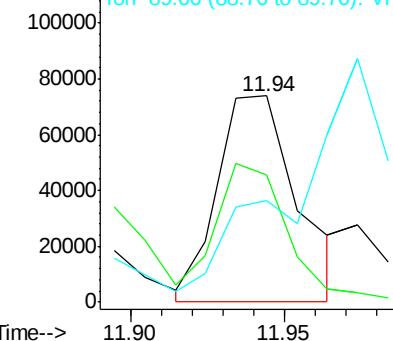
89 49.1 38.7 58.1

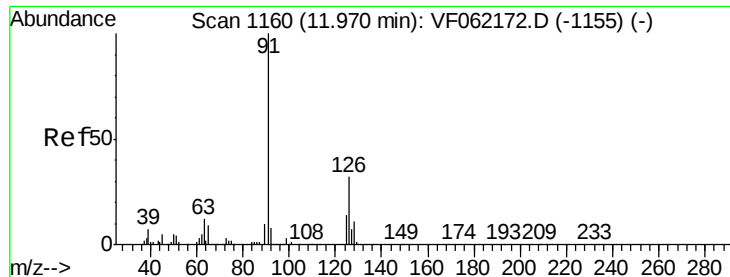


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#82

4-Chlorotoluene

Concen: 84.280 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1313766

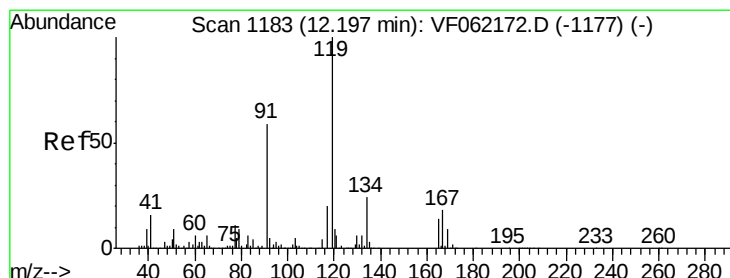
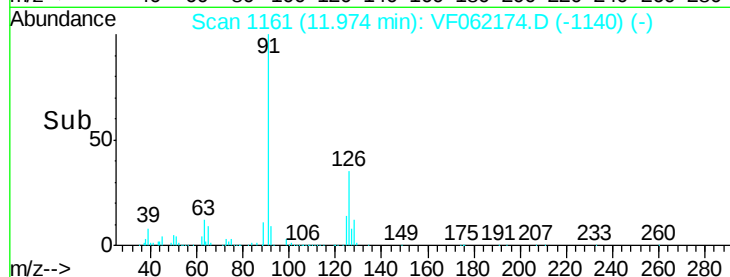
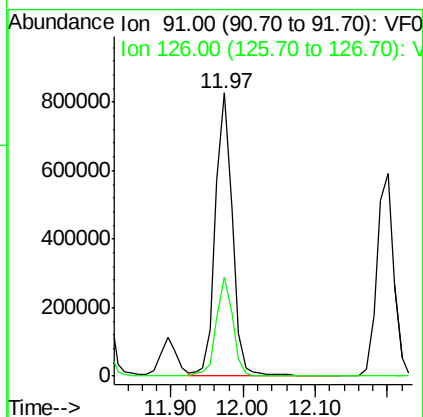
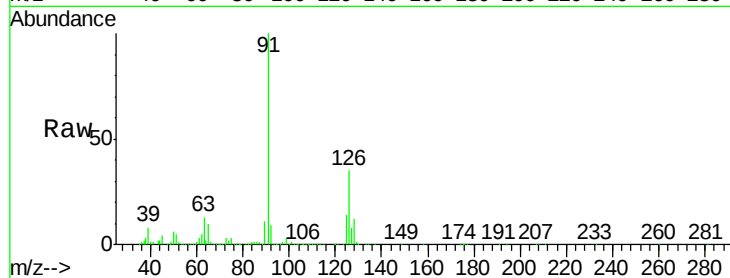
Ion Ratio Lower Upper

91 100

126 35.1 15.9 47.7

Manual Integrations
APPROVED

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#83

tert-Butylbenzene

Concen: 80.568 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

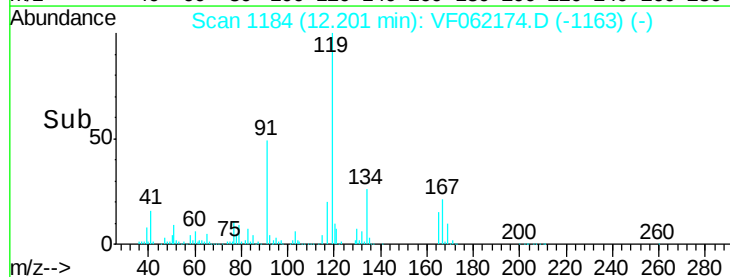
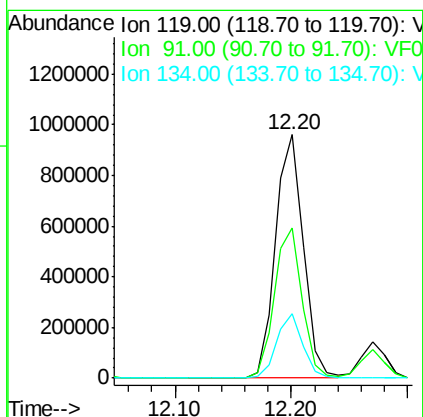
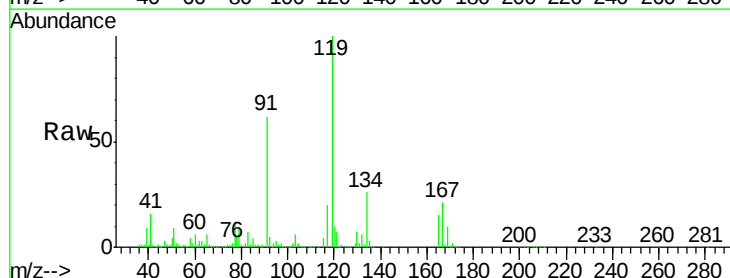
Tgt Ion: 119 Resp: 1584047

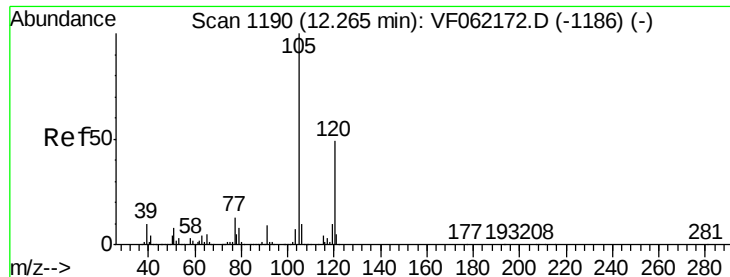
Ion Ratio Lower Upper

119 100

91 61.5 29.5 88.5

134 26.4 12.0 36.1





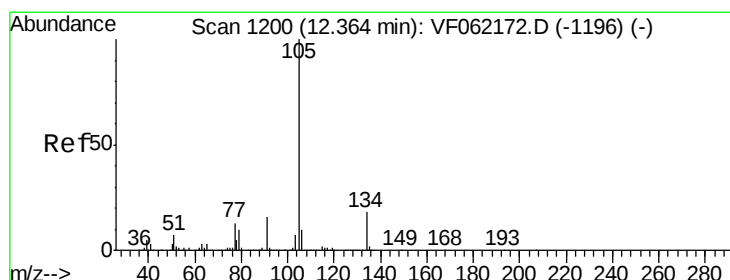
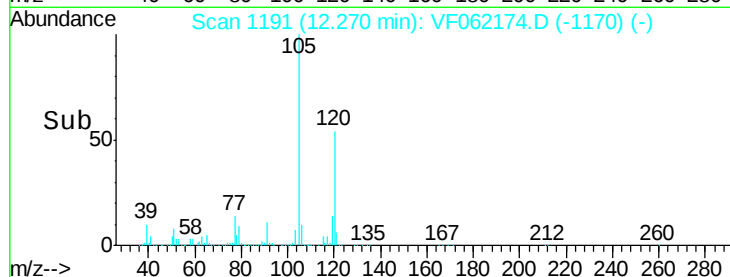
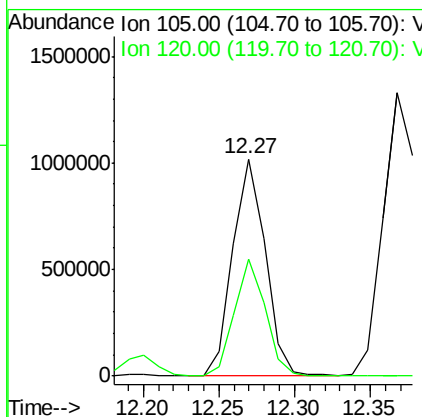
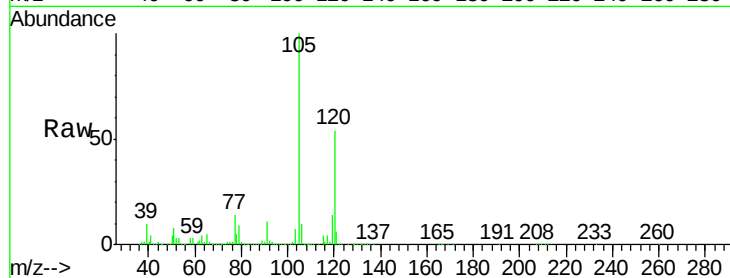
#84
 1,2,4-Trimethylbenzene
 Concen: 79.961 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1536506
 Ion Ratio Lower Upper
 105 100
 120 54.1 24.7 74.1

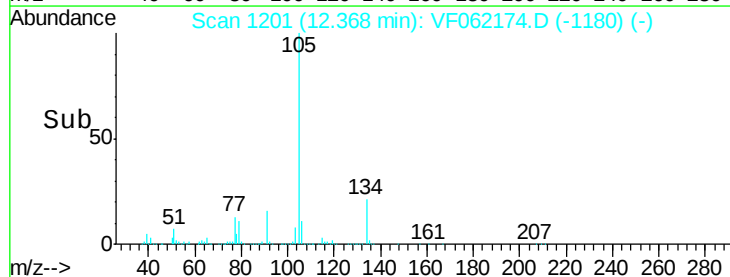
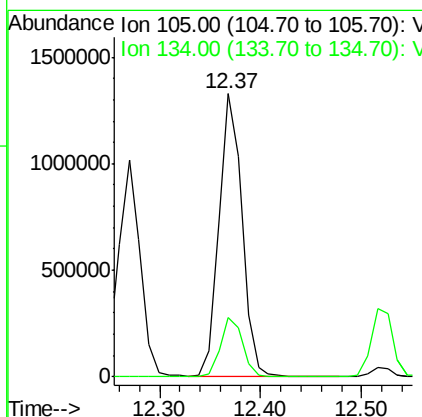
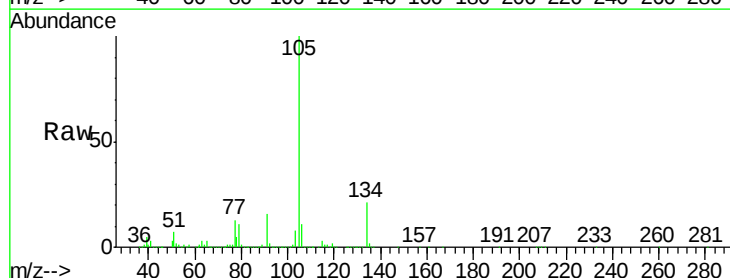
Manual Integrations
 APPROVED

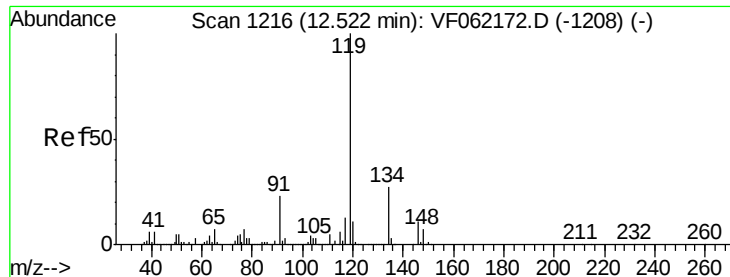
MMDadoda
 4/17/2019 11:50:32 AM



#85
 sec-Butylbenzene
 Concen: 82.059 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion:105 Resp: 2121496
 Ion Ratio Lower Upper
 105 100
 134 21.1 9.0 27.0





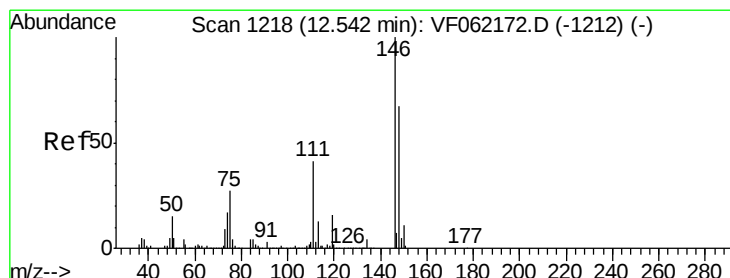
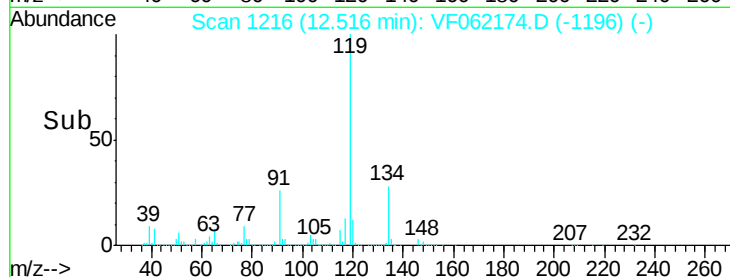
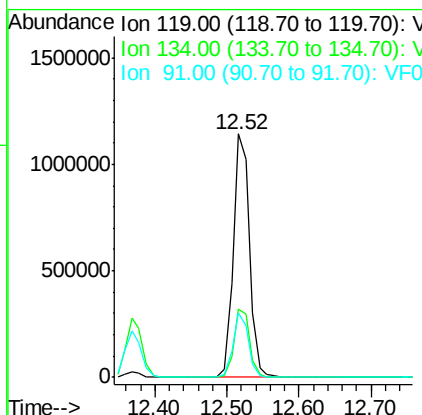
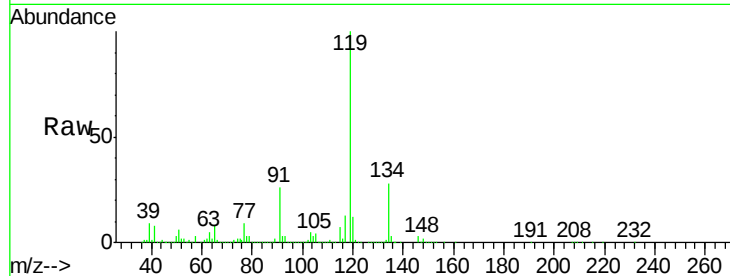
#86
p-Isopropyltoluene
Concen: 81.270 ug/l
RT: 12.52 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.2	13.5	40.5
91	26.3	11.5	34.5

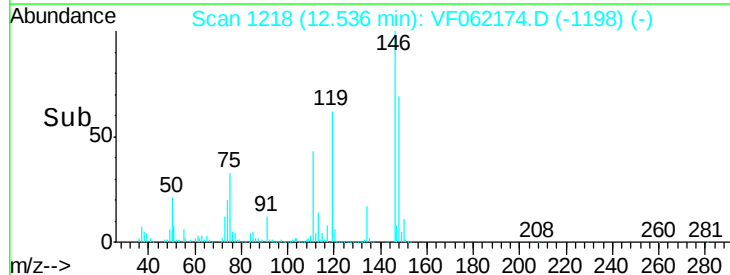
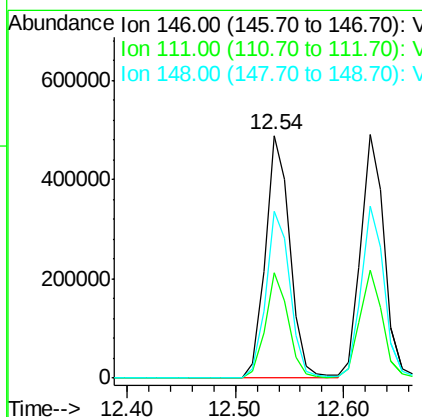
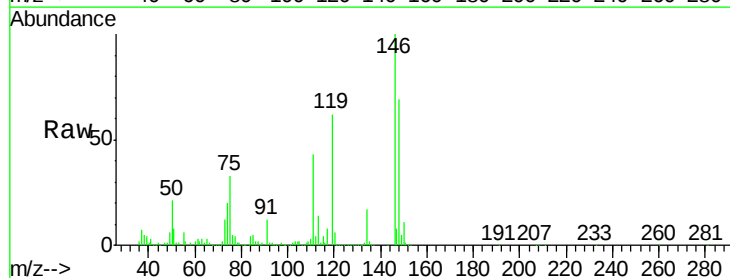
Manual Integrations
APPROVED

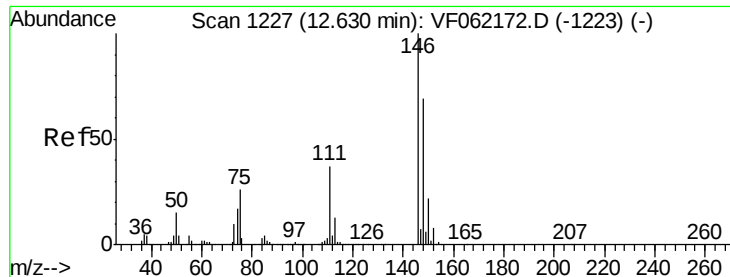
MMDadoda
4/17/2019 11:50:32 AM



#87
1,3-Dichlorobenzene
Concen: 85.291 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.5	61.6
148	68.8	33.6	100.8





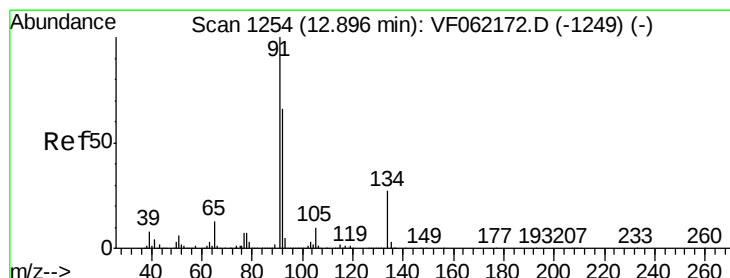
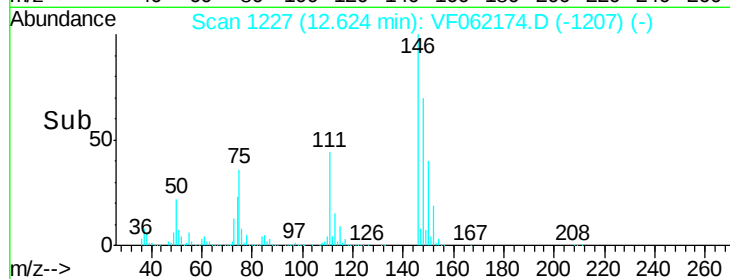
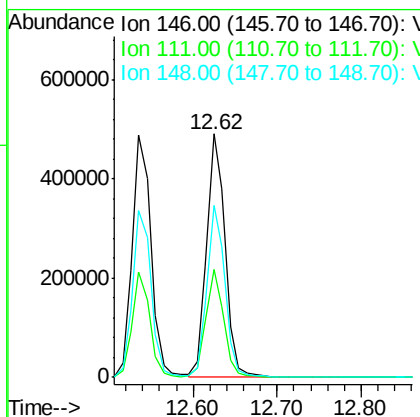
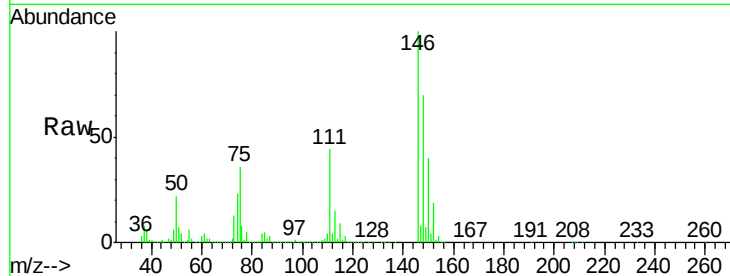
#88
 1,4-Dichlorobenzene
 Concen: 85.111 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	18.6	55.6
148	70.5	34.3	102.8

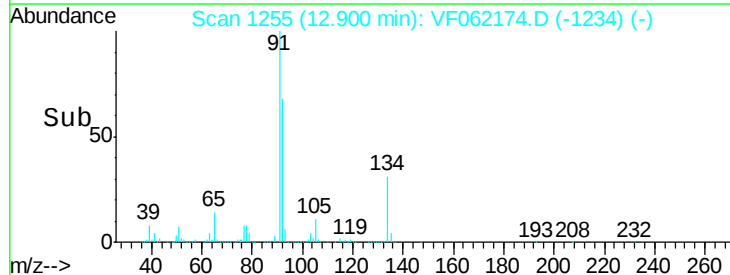
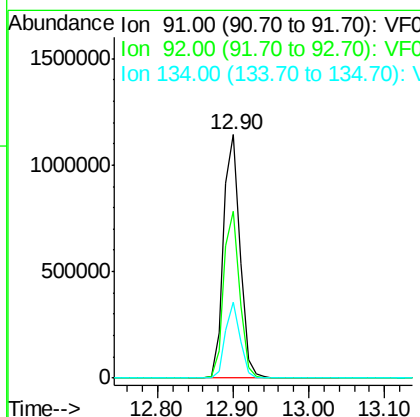
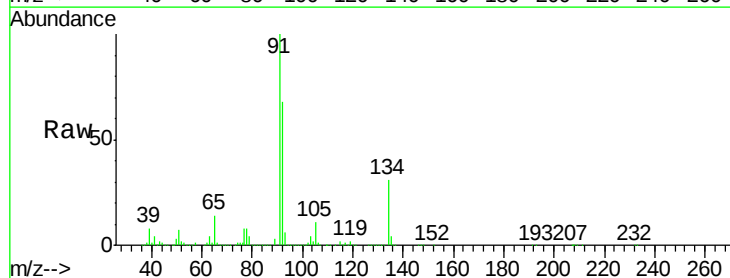
Manual Integrations
 APPROVED

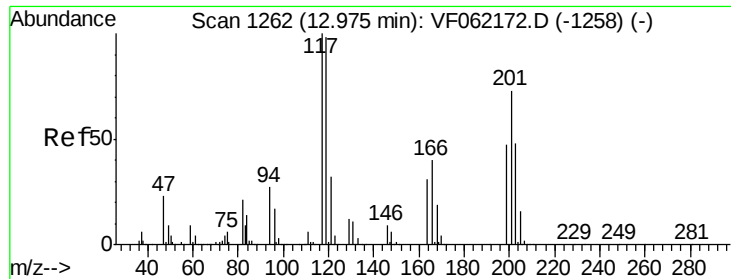
MMDadoda
 4/17/2019 11:50:32 AM



#89
 n-Butylbenzene
 Concen: 78.675 ug/l
 RT: 12.90 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	68.4	32.9	98.6
134	31.1	13.4	40.2





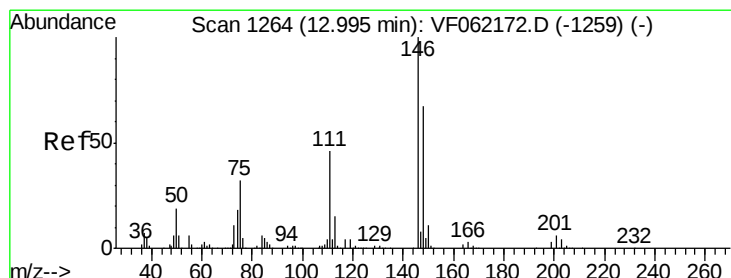
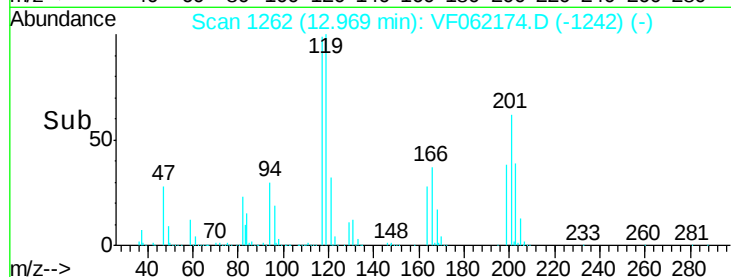
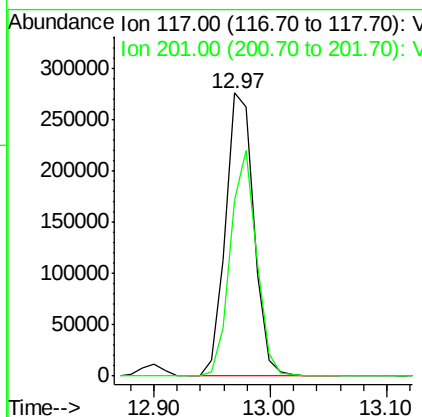
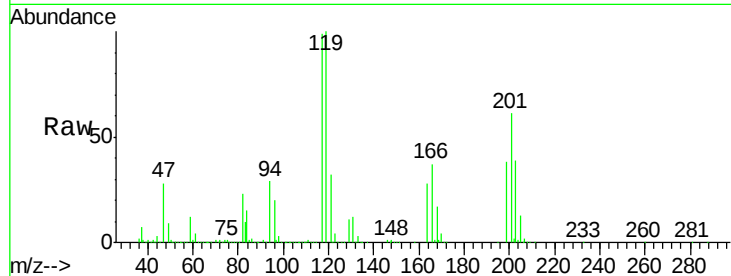
#90
Hexachloroethane
Concen: 86.239 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 465272
Ion Ratio Lower Upper
117 100
201 62.1 36.7 110.1

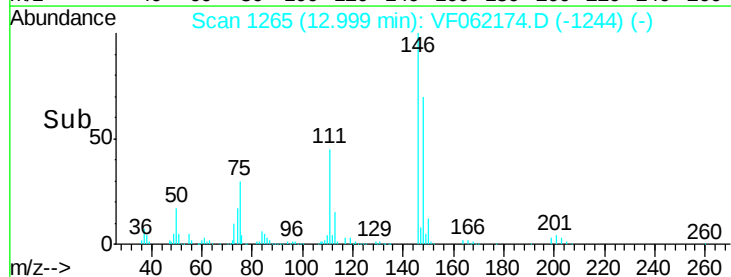
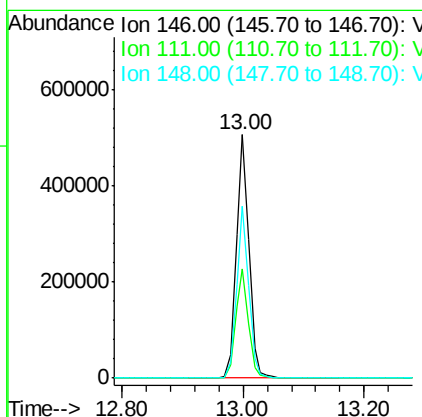
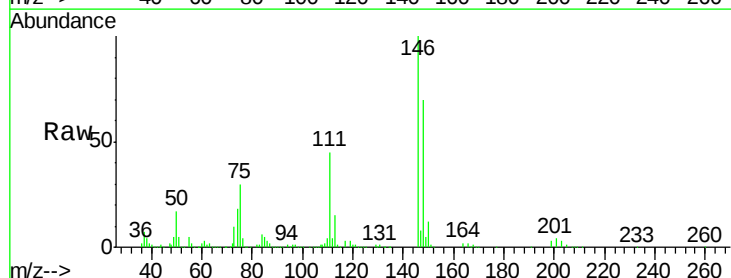
Manual Integrations
APPROVED

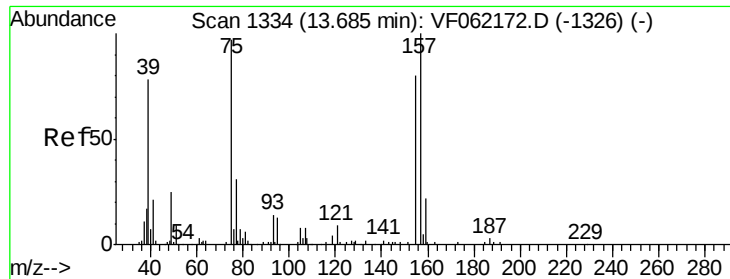
MMDadoda
4/17/2019 11:50:32 AM



#91
1,2-Dichlorobenzene
Concen: 84.311 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF062174.D
Acq: 16 Apr 2019 13:14

Tgt Ion:146 Resp: 730881
Ion Ratio Lower Upper
146 100
111 44.6 22.9 68.8
148 70.4 33.6 100.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 91.093 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

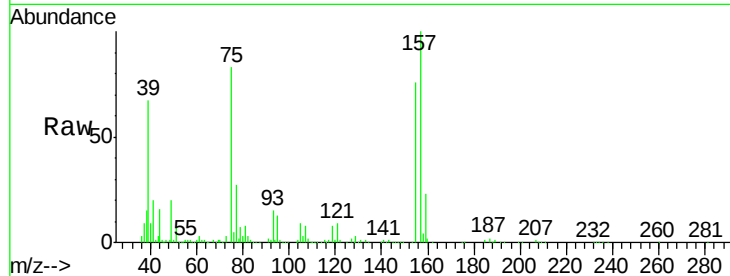
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	69384
Ion Ratio	Lower	Upper	
75	100		
155	91.5	41.0	123.0
157	119.8	51.3	154.0

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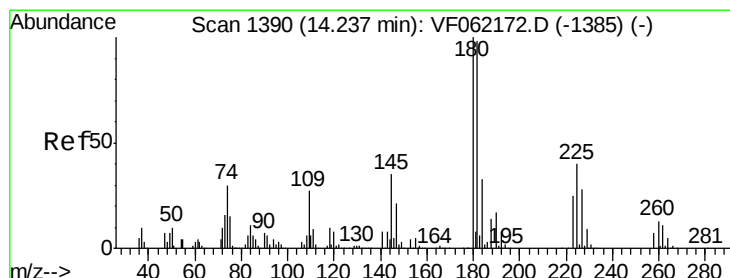
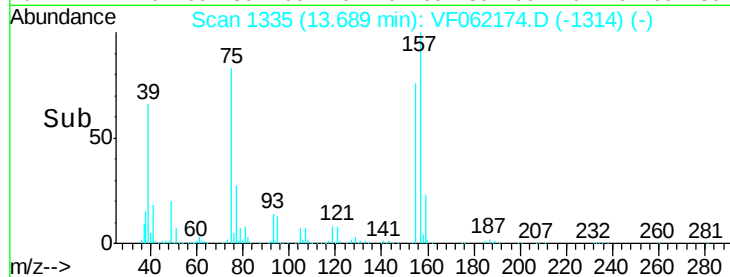
Abundance Ion 75.00 (74.70 to 75.70): VF062172.D (-1326) (-)

Ion 155.00 (154.70 to 155.70): VF062172.D (-1326) (-)

Ion 157.00 (156.70 to 157.70): VF062172.D (-1326) (-)

13.69

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 85.640 ug/l

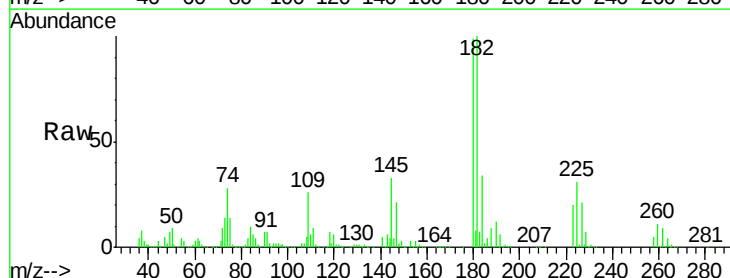
RT: 14.24 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	180	Resp:	557573
Ion Ratio	Lower	Upper	
180	100		
182	100.6	48.8	146.4
145	33.6	17.3	52.0



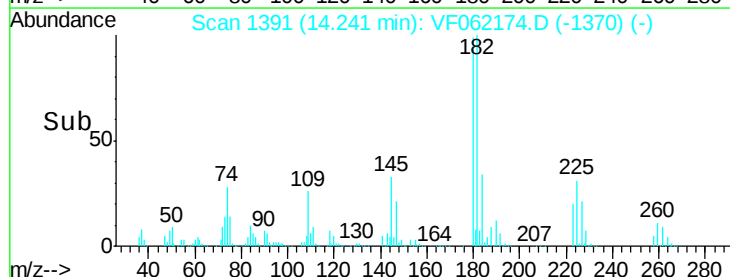
Abundance Ion 180.00 (179.70 to 180.70): VF062172.D (-1385) (-)

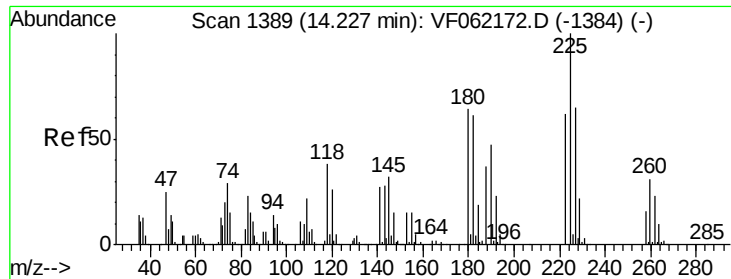
Ion 182.00 (181.70 to 182.70): VF062172.D (-1385) (-)

Ion 145.00 (144.70 to 145.70): VF062172.D (-1385) (-)

14.24

Time-->





#94

Hexachlorobutadiene

Concen: 91.054 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Instrument :

MSVOA_F

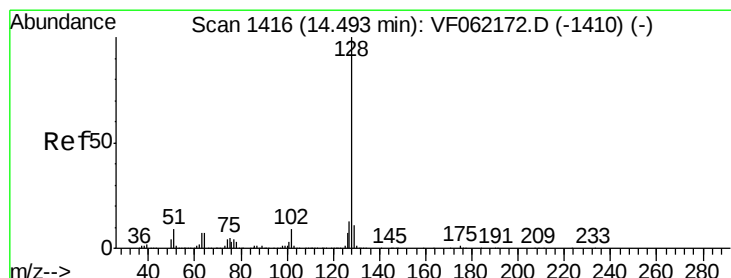
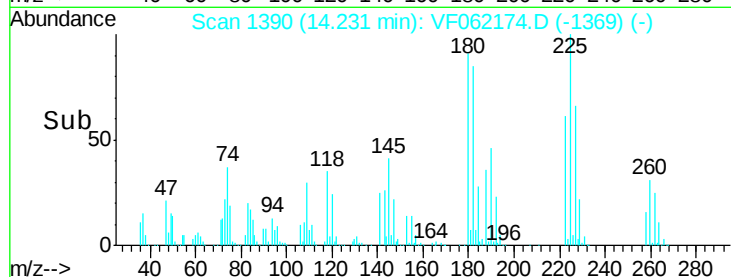
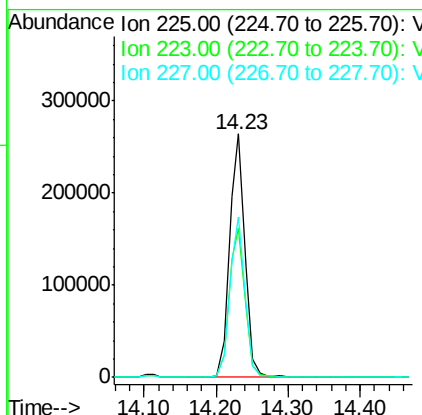
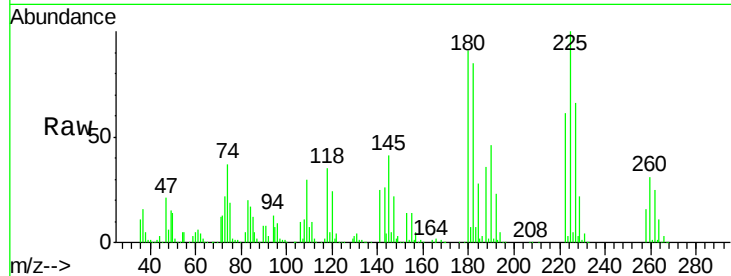
ClientSampleId :

VSTDIC100

Tot Ion:	225	Resp:	386348
Ion Ratio	Lower	Upper	
225	100		
223	61.1	30.9	92.7
227	65.8	32.3	96.9

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#95

Naphthalene

Concen: 93.787 ug/l

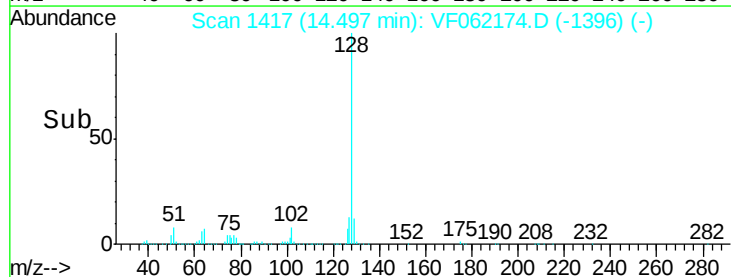
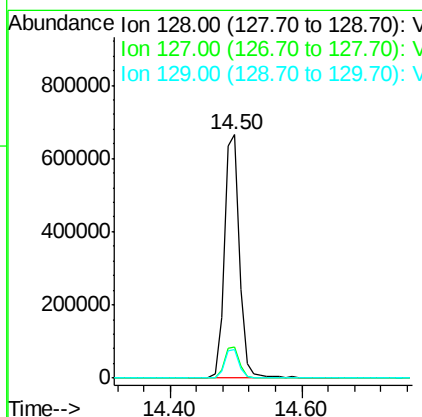
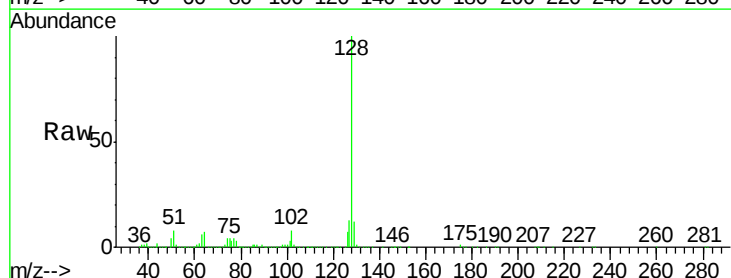
RT: 14.50 min Scan# 1417

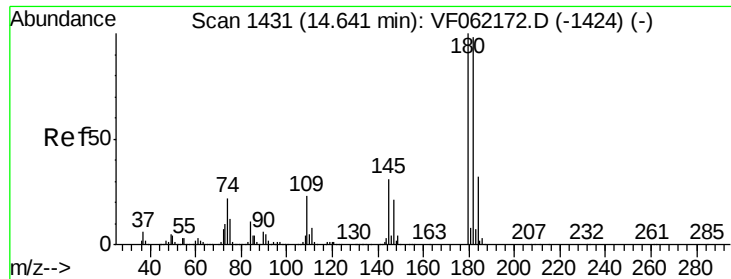
Delta R.T. 0.00 min

Lab File: VF062174.D

Acq: 16 Apr 2019 13:14

Tgt Ion:	128	Resp:	1066810
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.9	9.2	13.8





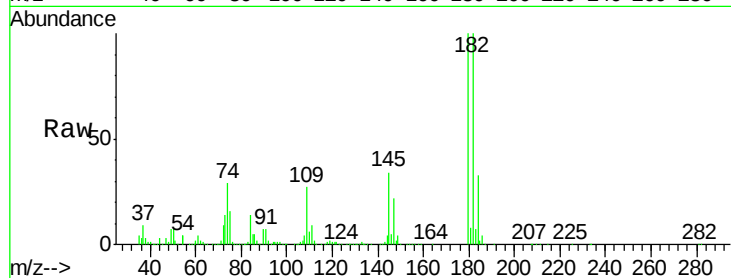
#96
 1,2,3-Trichlorobenzene
 Concen: 90.636 ug/l
 RT: 14.64 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VF062174.D
 Acq: 16 Apr 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	99.6	49.0	147.2
145	34.4	15.4	46.2

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

