

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062620.D
 Acq On : 16 May 2019 11:32
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:04 PM

Quant Time: May 17 05:12:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	780572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1220766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	908021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	465547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	104886	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	
35) Dibromofluoromethane	4.32	113	184700	19.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.54%	
50) Toluene-d8	7.72	98	445509	19.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.94%	
62) 4-Bromofluorobenzene	11.50	95	163645	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	208299	19.609	ug/l	97
3) Chloromethane	1.15	50	195403	19.978	ug/l	100
4) Vinyl Chloride	1.20	62	183468	20.378	ug/l	98
5) Bromomethane	1.40	94	89546	18.181	ug/l	92
6) Chloroethane	1.45	64	58874	17.805	ug/l	97
7) Trichlorofluoromethane	1.56	101	239165	20.999	ug/l	99
8) Diethyl Ether	1.72	74	46916	19.590	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.92	101	150394	19.538	ug/l	98
10) Methyl Iodide	2.00	142	300655	19.883	ug/l	96
11) Tert butyl alcohol	2.72	59	32959	90.506	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	137621	19.626	ug/l	93
13) Acrolein	2.10	56	40782	107.283	ug/l	100
14) Allyl chloride	2.20	41	137134	19.904	ug/l	97
15) Acrylonitrile	3.11	53	107860	104.999	ug/l	98
16) Acetone	2.36	43	113248	79.139	ug/l	100
17) Carbon Disulfide	1.93	76	402961	20.168	ug/l #	94
18) Methyl Acetate	2.47	43	43826	17.921	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	229975	18.346	ug/l	95
20) Methylene Chloride	2.35	84	134230m	18.823	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	146102	21.317	ug/l	99
22) Diisopropyl ether	2.95	45	290389	18.552	ug/l	97
23) Vinyl Acetate	3.36	43	1027839	97.345	ug/l	95
24) 1,1-Dichloroethane	3.02	63	242353	21.106	ug/l	98
25) 2-Butanone	4.54	43	273693	89.520	ug/l	94
26) 2,2-Dichloropropane	3.79	77	137022	20.856	ug/l	95
27) cis-1,2-Dichloroethene	3.66	96	222292	19.718	ug/l	98
28) Bromochloromethane	3.92	49	133192	20.682	ug/l	92
29) Tetrahydrofuran	4.28	42	112591	91.005	ug/l	99
30) Chloroform	4.07	83	320131	20.080	ug/l	98
31) Cyclohexane	3.89	56	304444	21.297	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	220406	20.817	ug/l	98
36) 1,1-Dichloropropene	4.48	75	250750	20.045	ug/l	96
37) Ethyl Acetate	4.32	43	94763	18.554	ug/l #	79
38) Carbon Tetrachloride	4.19	117	195142	22.142	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	294811	19.587	ug/l	95
40) Benzene	4.83	78	716409	21.023	ug/l	98
41) Methacrylonitrile	4.94	41	46121	17.224	ug/l	94
42) 1,2-Dichloroethane	5.14	62	132953	19.564	ug/l	92
43) Isopropyl Acetate	7.12	43	115545	17.462	ug/l	96
44) Trichloroethene	5.69	130	197143	20.583	ug/l	91
45) 1,2-Dichloropropane	6.42	63	165446	19.232	ug/l	93
46) Dibromomethane	6.27	93	96849	19.480	ug/l	97
47) Bromodichloromethane	6.56	83	208895	20.240	ug/l #	96
48) Methyl methacrylate	6.89	41	62668	18.120	ug/l	97
49) 1,4-Dioxane	6.89	88	15713	354.720	ug/l #	79
51) 4-Methyl-2-Pentanone	8.41	43	422305	93.370	ug/l	96
52) Toluene	7.79	92	366347	20.498	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	163020	19.306	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	240674	20.361	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	107092	20.238	ug/l	96
56) Ethyl methacrylate	8.77	69	116736	18.517	ug/l	96
57) 1,3-Dichloropropane	9.00	76	168555	18.701	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.46	63	201763	98.321	ug/l	97
59) 2-Hexanone	9.63	43	282955	85.565	ug/l	95
60) Dibromochloromethane	8.87	129	129655	18.799	ug/l	100
61) 1,2-Dibromoethane	9.14	107	104431	18.580	ug/l	92
64) Tetrachloroethene	8.31	164	149282	20.752	ug/l	99
65) Chlorobenzene	9.94	112	364086	20.415	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	147022	20.535	ug/l	97
67) Ethyl Benzene	10.04	91	648634	20.936	ug/l	99
68) m/p-Xylenes	10.27	106	468589	40.241	ug/l	84
69) o-Xylene	10.83	106	244550	20.390	ug/l	98
70) Styrene	10.90	104	375398	20.592	ug/l	97
71) Bromoform	10.89	173	70842	19.756	ug/l #	92
73) Isopropylbenzene	11.22	105	713444	21.382	ug/l	96
74) N-amyl acetate	11.45	43	182056	17.686	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	133809	19.623	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	87577	19.546	ug/l	83
77) Bromobenzene	11.59	156	158405	19.099	ug/l	98
78) n-propylbenzene	11.68	91	817681	20.707	ug/l	89
79) 2-Chlorotoluene	11.80	91	449900	20.216	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	563277	21.053	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	36626m	14.713	ug/l	
82) 4-Chlorotoluene	11.98	91	453882	20.682	ug/l	99
83) tert-Butylbenzene	12.20	119	570504	21.018	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	544773	21.038	ug/l	93
85) sec-Butylbenzene	12.38	105	751700	20.635	ug/l	96
86) p-Isopropyltoluene	12.52	119	641018	20.880	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	301547	20.096	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	284014	20.169	ug/l	95
89) n-Butylbenzene	12.90	91	620370	20.496	ug/l	89
90) Hexachloroethane	12.98	117	148806	20.206	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	267505	19.999	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15250	18.747	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri May 17 04:56:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	190838	19.932	ug/l	93
94) Hexachlorobutadiene	14.23	225	134575	20.141	ug/l	95
95) Naphthalene	14.50	128	300591	17.282	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	176366	19.447	ug/l	98

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

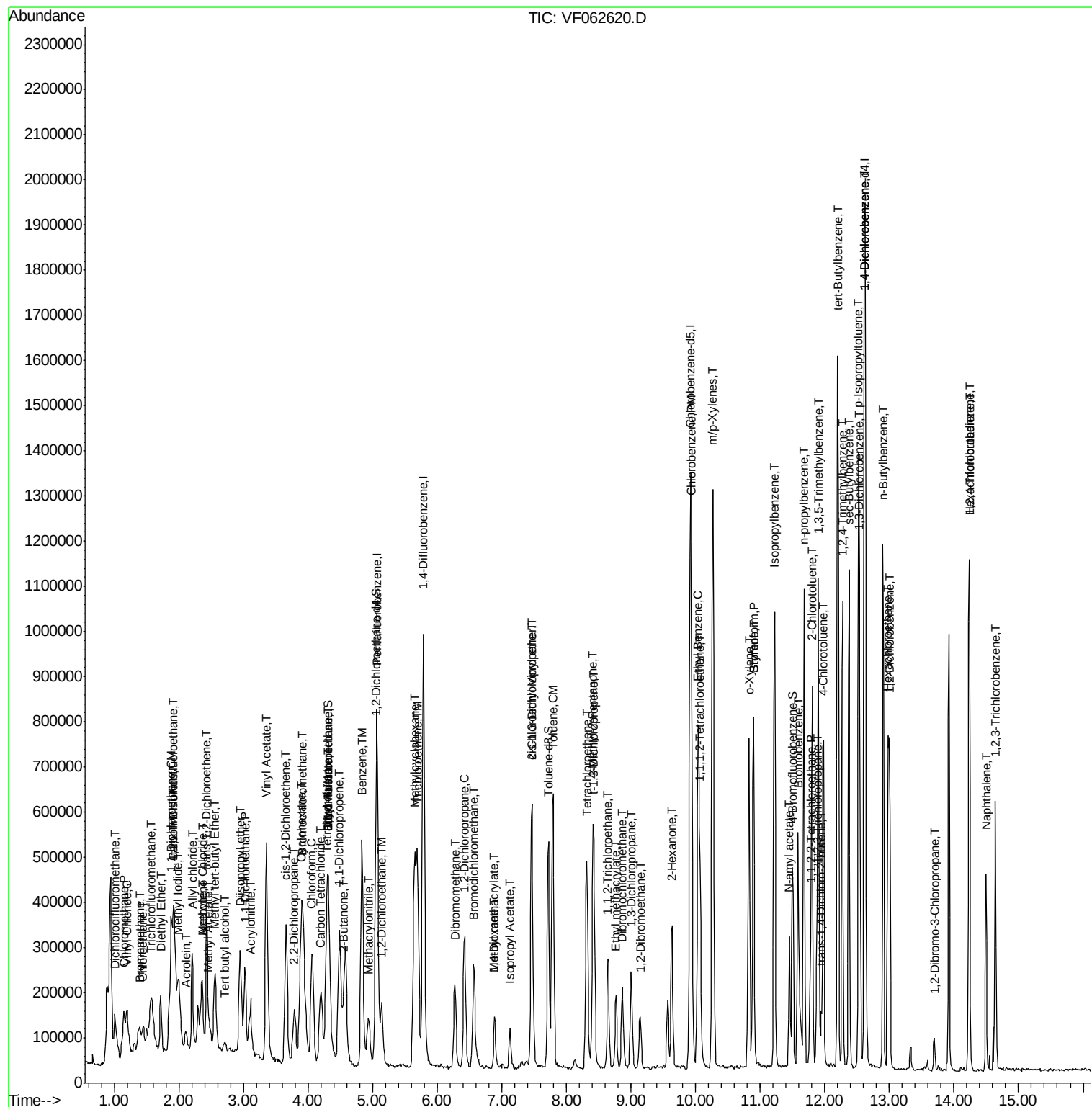
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051619\
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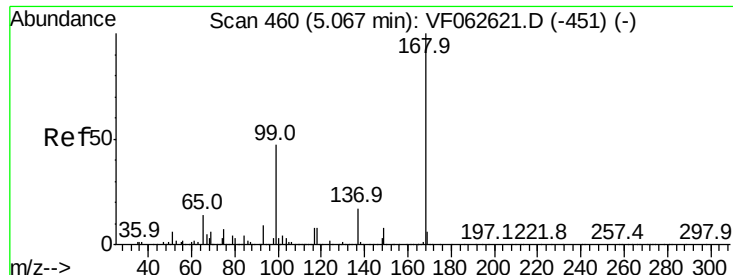
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 780572

Ion Ratio Lower Upper

168 100

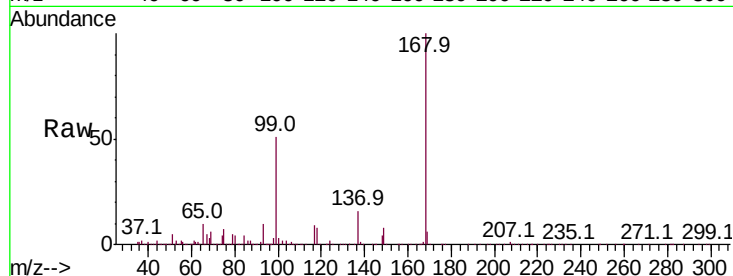
99 51.2 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

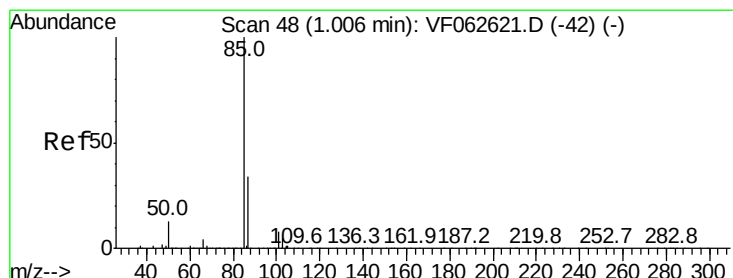
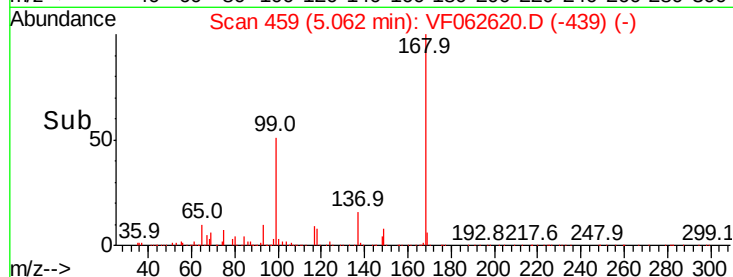
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.609 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062620.D

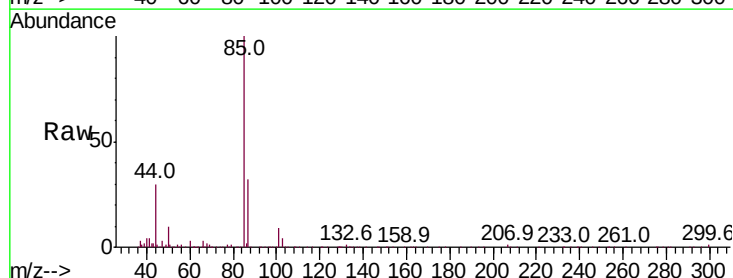
Acq: 16 May 2019 11:32

Tgt Ion: 85 Resp: 208299

Ion Ratio Lower Upper

85 100

87 31.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

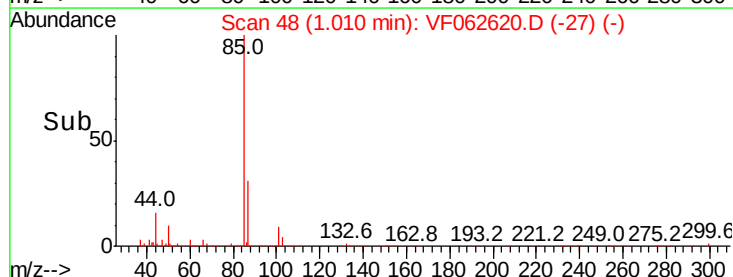
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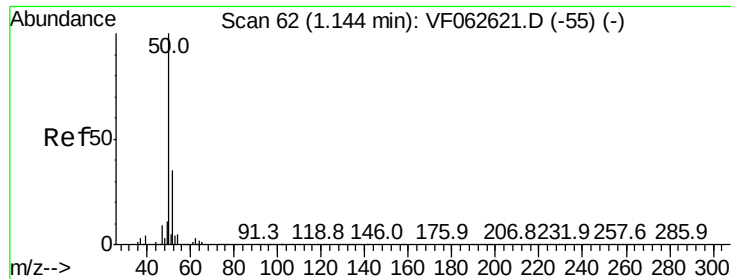
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.978 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 195403

Ion Ratio Lower Upper

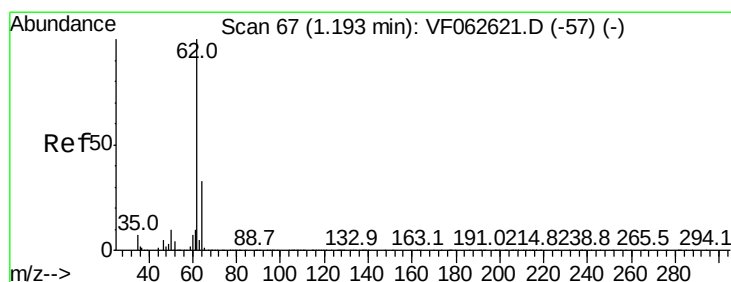
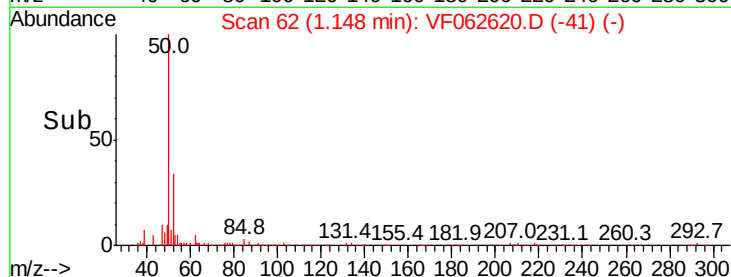
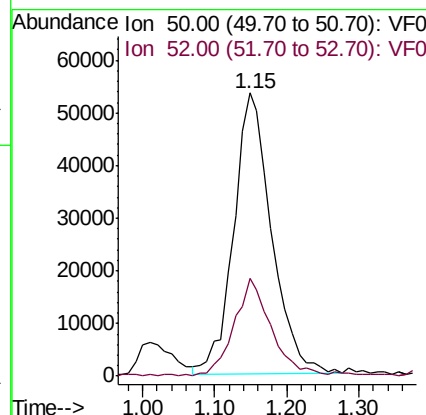
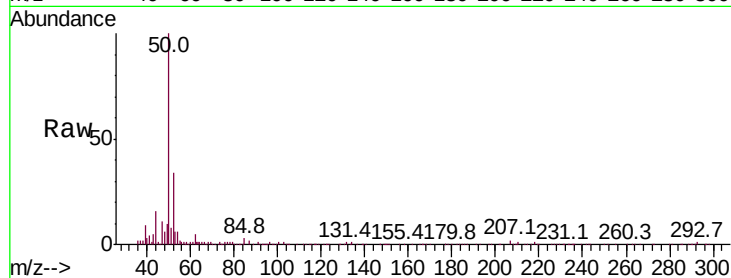
50 100

52 34.4 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.378 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062620.D

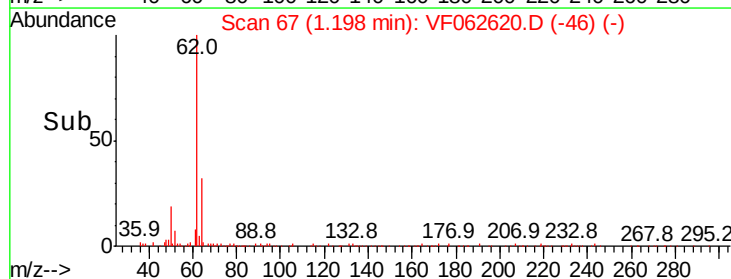
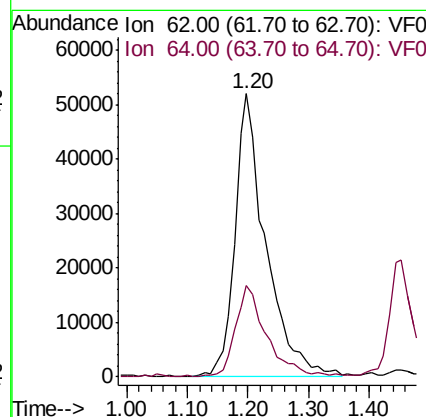
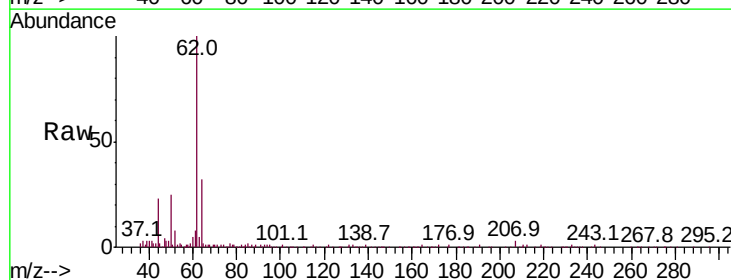
Acq: 16 May 2019 11:32

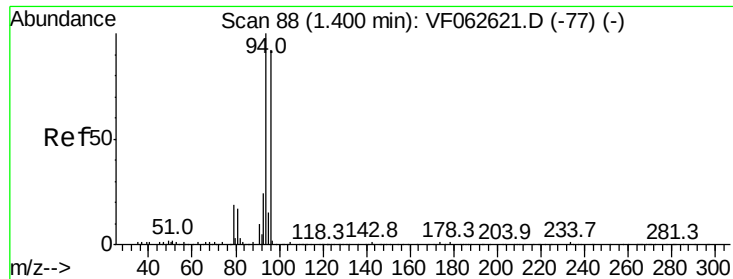
Tgt Ion: 62 Resp: 183468

Ion Ratio Lower Upper

62 100

64 32.3 26.7 40.1





#5

Bromomethane

Concen: 18.181 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 89546

Ion Ratio Lower Upper

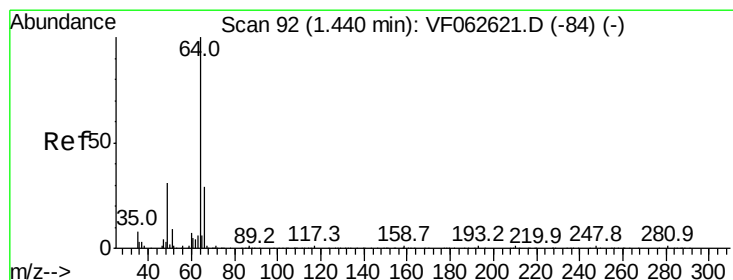
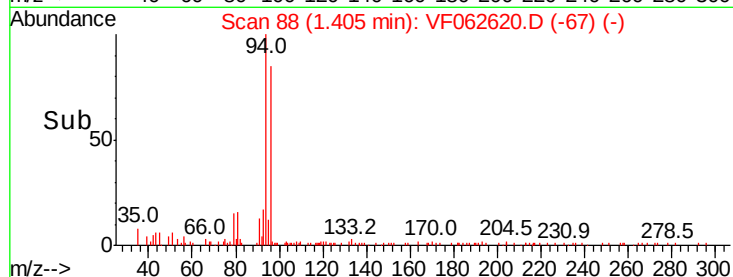
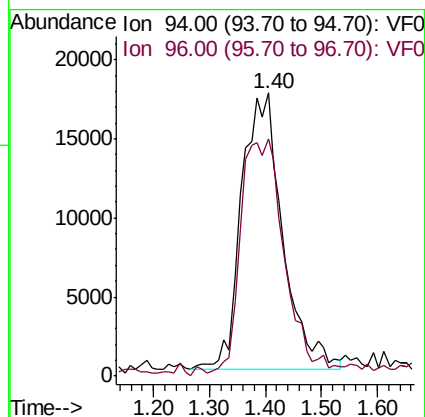
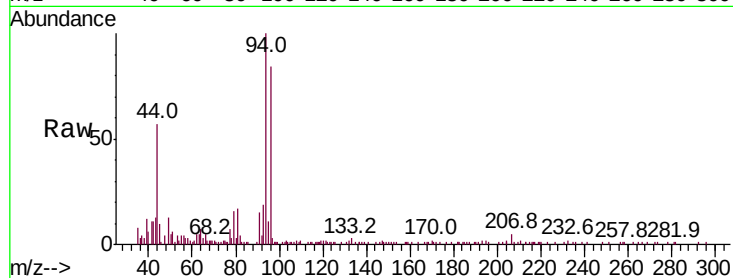
94 100

96 84.0 73.2 109.8

Manual Integrations
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#6

Chloroethane

Concen: 17.805 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062620.D

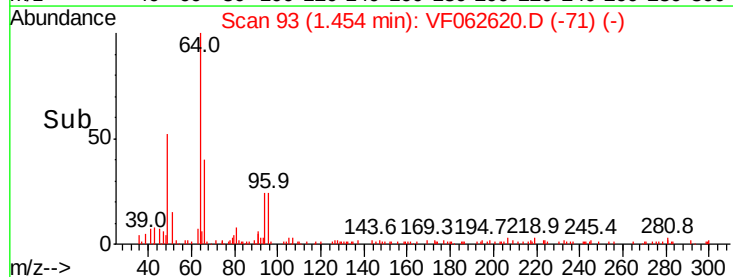
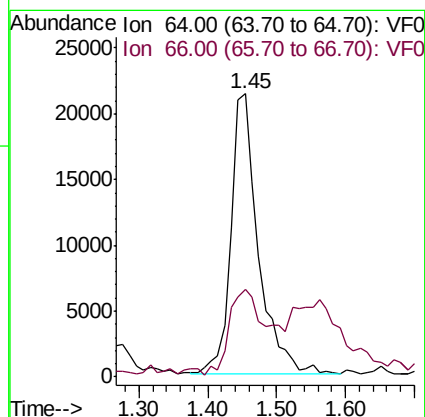
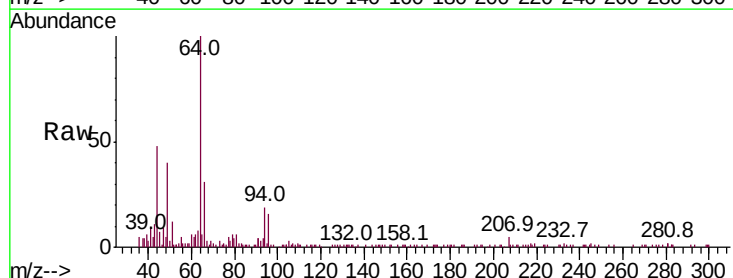
Acq: 16 May 2019 11:32

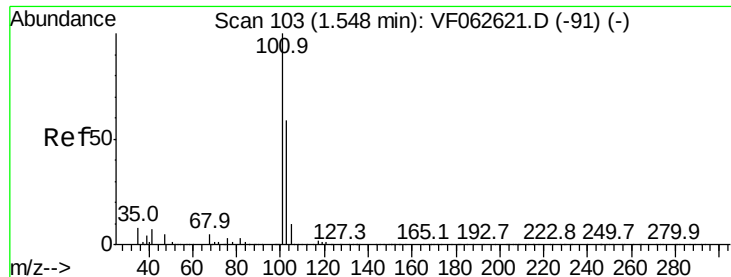
Tgt Ion: 64 Resp: 58874

Ion Ratio Lower Upper

64 100

66 30.8 23.4 35.2





#7

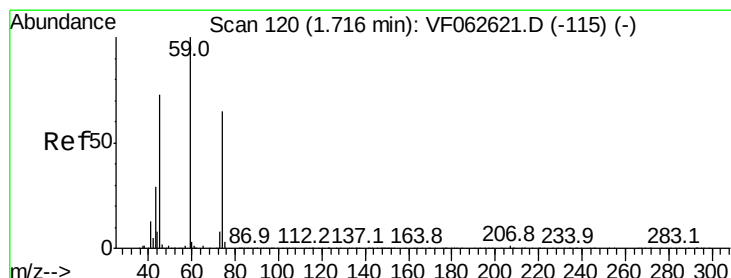
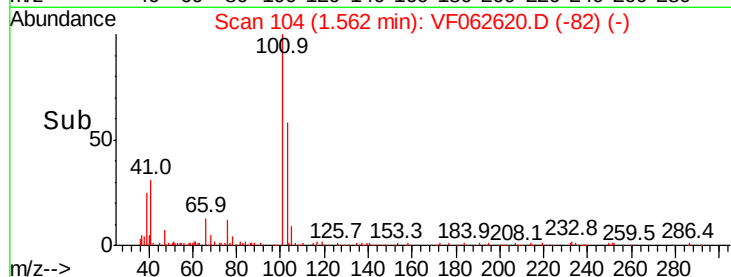
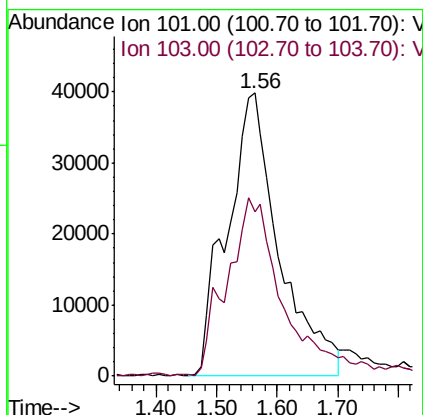
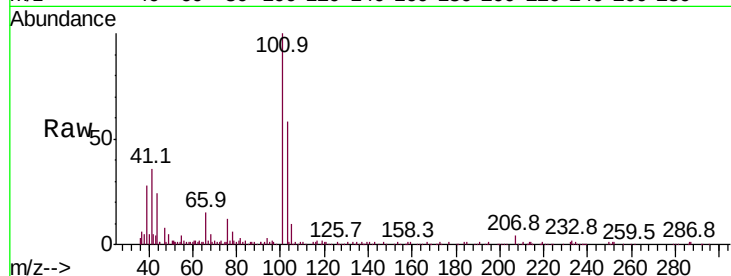
Trichlorofluoromethane
Concen: 20.999 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	239165		
103	58.2	47.3	70.9	

Manual Integrations
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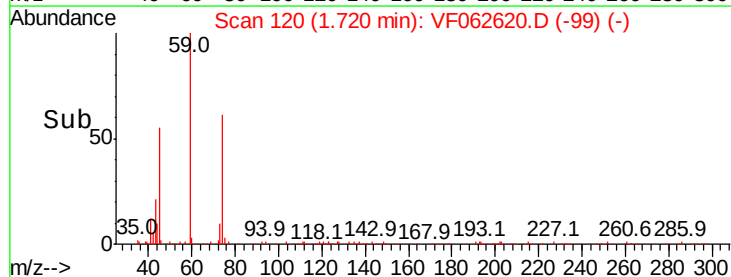
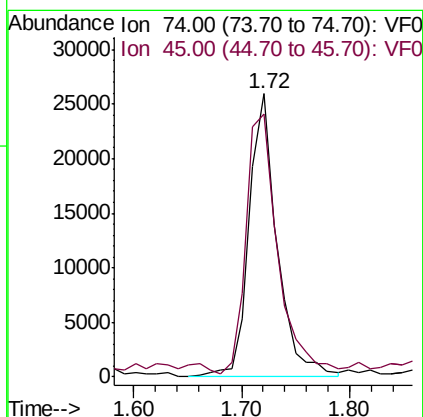
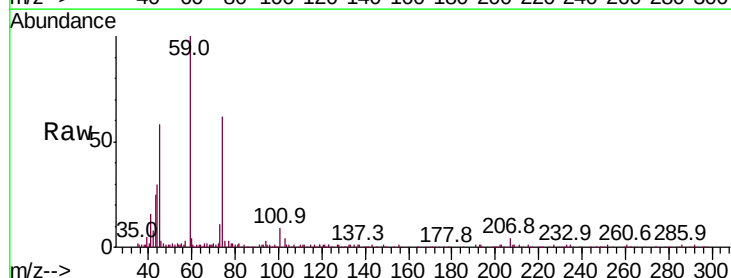
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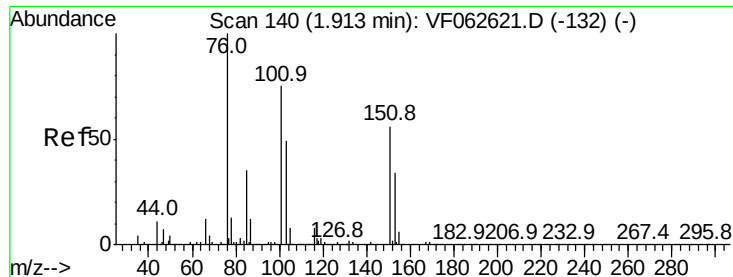


#8

Diethyl Ether
Concen: 19.590 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46916		
45	93.0	57.0	170.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.538 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

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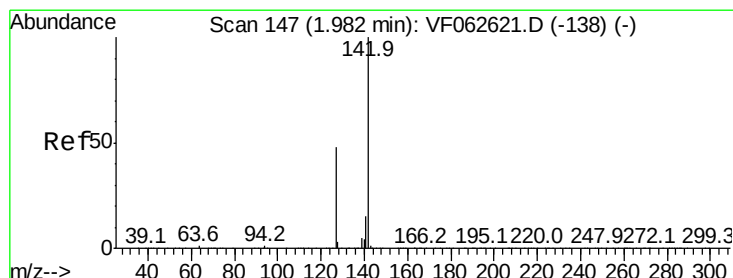
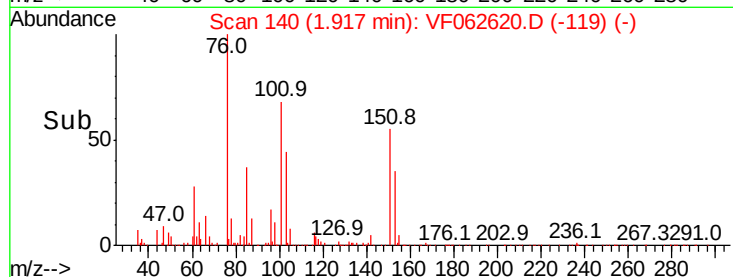
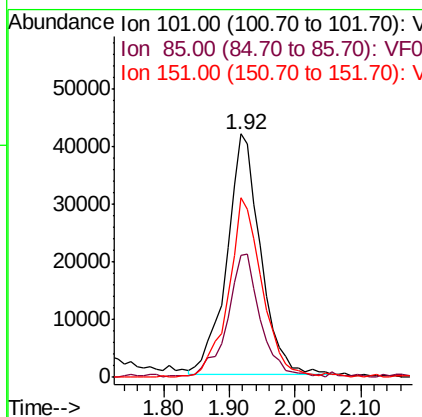
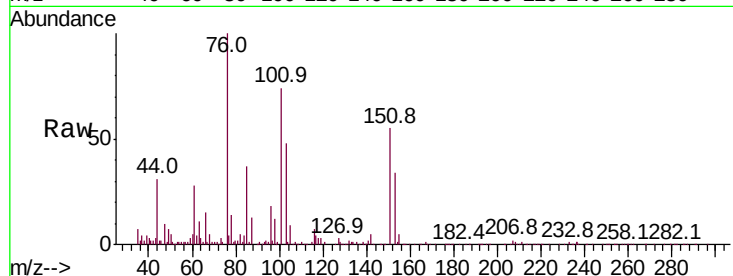
VSTDIC020

Tot Ion:	101	Resp:	150394
Ion Ratio	Lower	Upper	
101	100		
85	49.9	37.1	55.7
151	73.7	58.8	88.2

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#10

Methyl Iodide

Concen: 19.883 ug/l

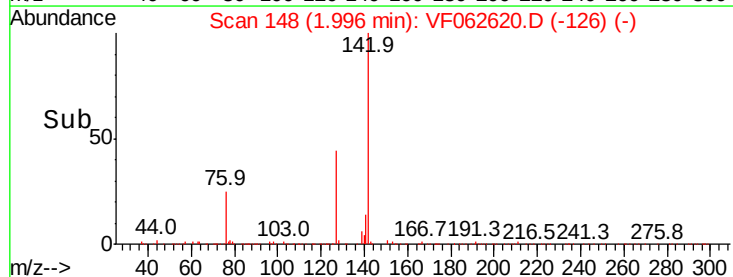
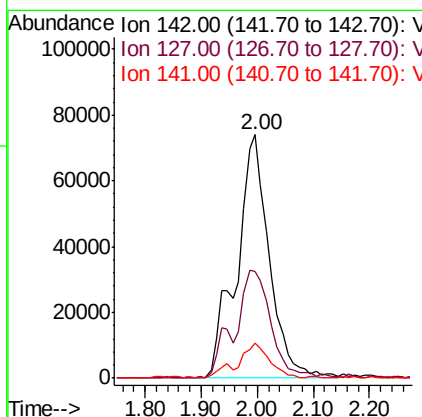
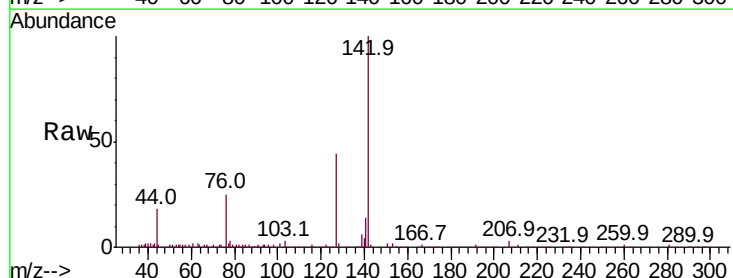
RT: 2.00 min Scan# 148

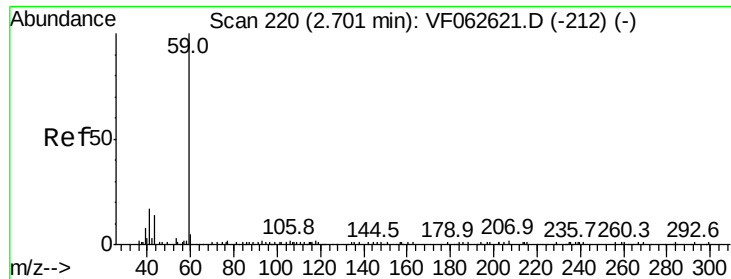
Delta R.T. 0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	142	Resp:	300655
Ion Ratio	Lower	Upper	
142	100		
127	43.8	38.1	57.1
141	14.5	11.7	17.5





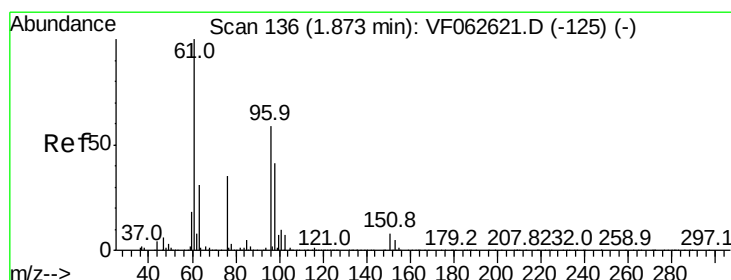
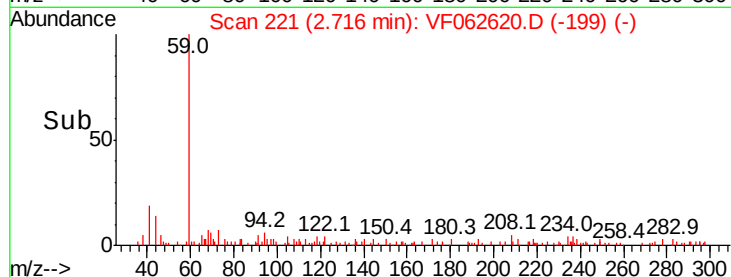
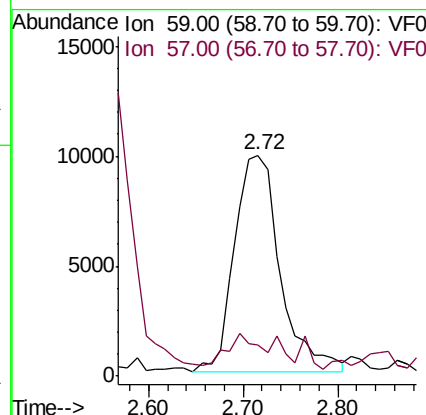
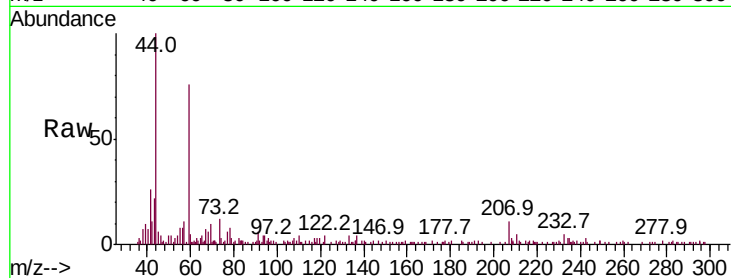
#11
Tert butyl alcohol
Concen: 90.506 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

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

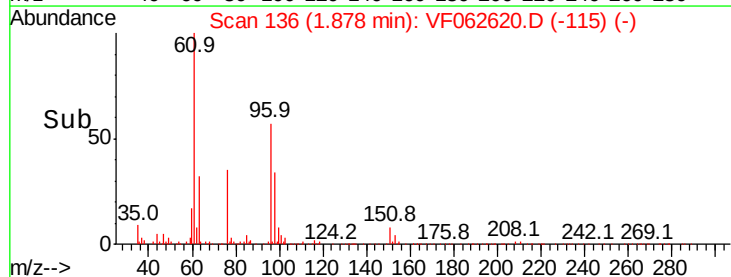
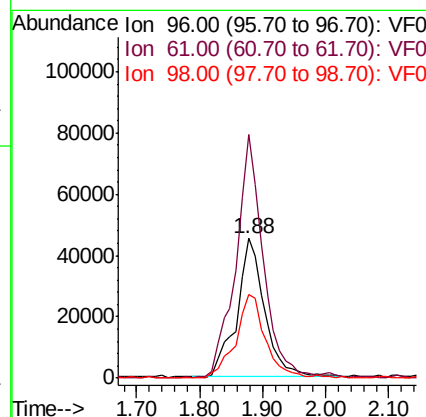
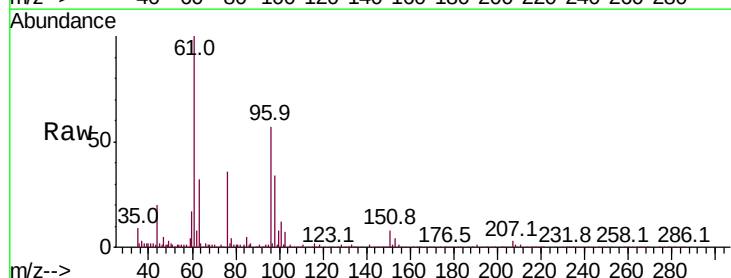
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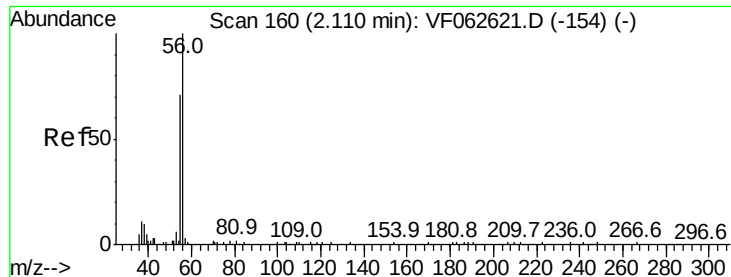
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.626 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	134.3	201.5
98	59.8	55.0	82.6





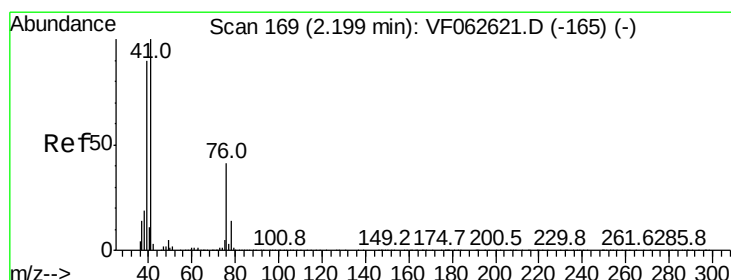
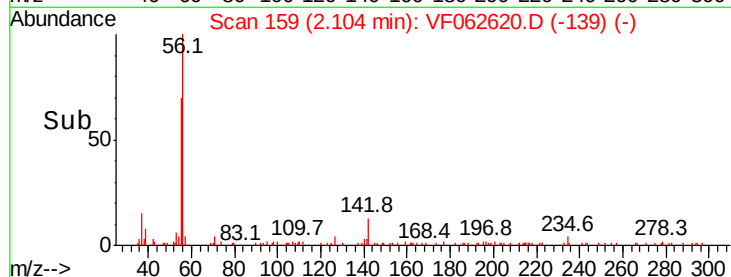
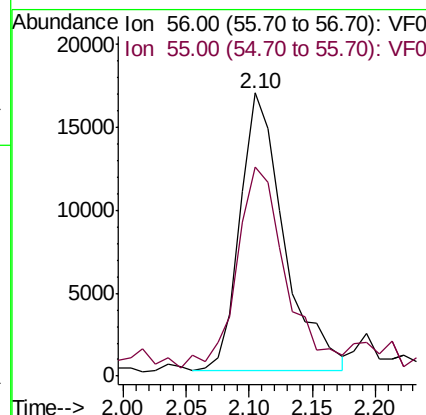
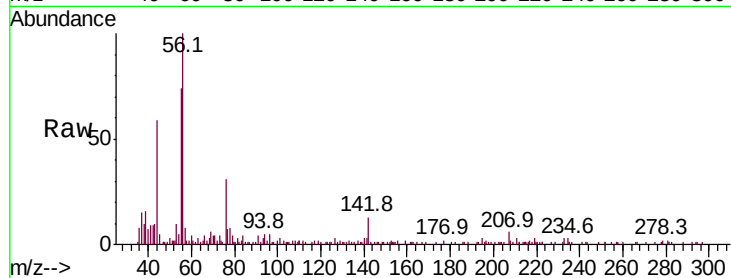
#13
Acrolein
Concen: 107.283 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	40782
Ion Ratio	Lower	Upper	
56	100		
55	74.1	59.4	89.0

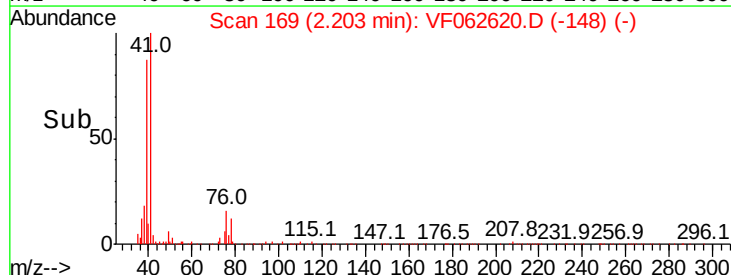
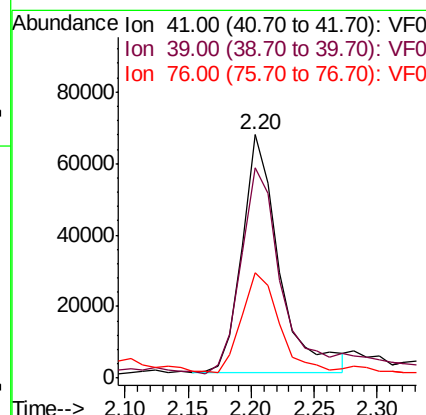
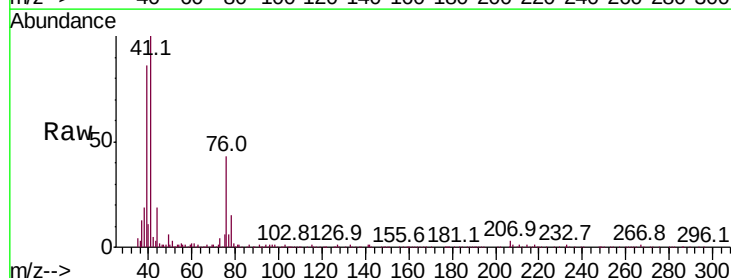
Manual Integrations
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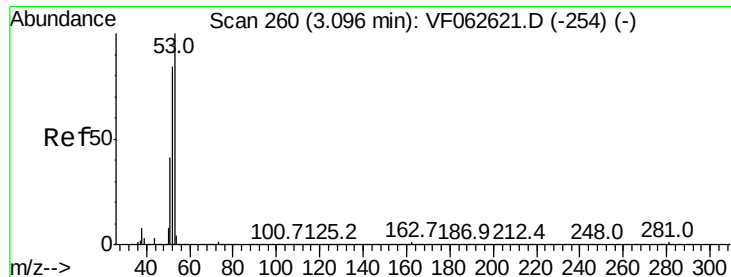
MMDadoda
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#14
Allyl chloride
Concen: 19.904 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	41	Resp	137134
Ion Ratio	Lower	Upper	
41	100		
39	86.4	72.0	108.0
76	43.3	34.8	52.2





#15

Acrylonitrile

Concen: 104.999 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

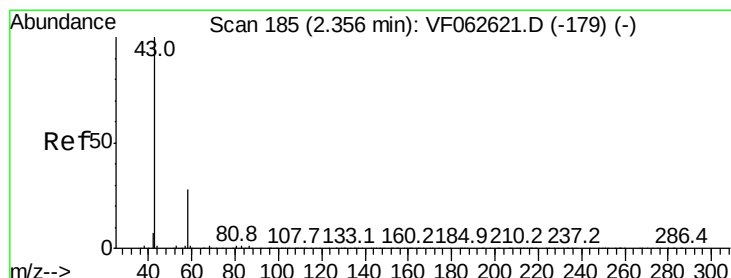
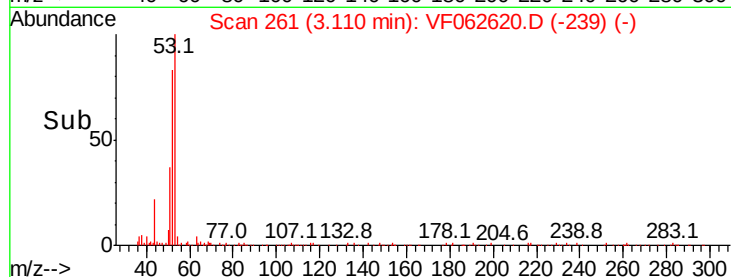
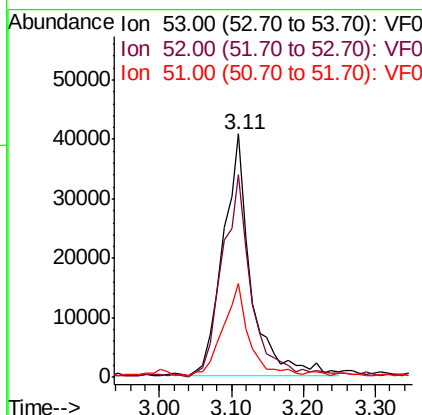
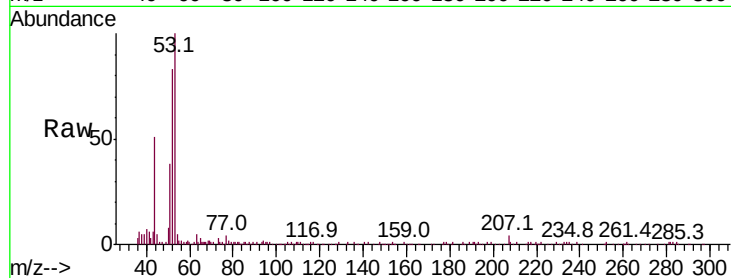
VSTDIC020

Tot Ion:	53	Resp:	107860
Ion Ratio	Lower	Upper	
53	100		
52	83.2	67.3	100.9
51	38.4	33.0	49.6

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#16

Acetone

Concen: 79.139 ug/l

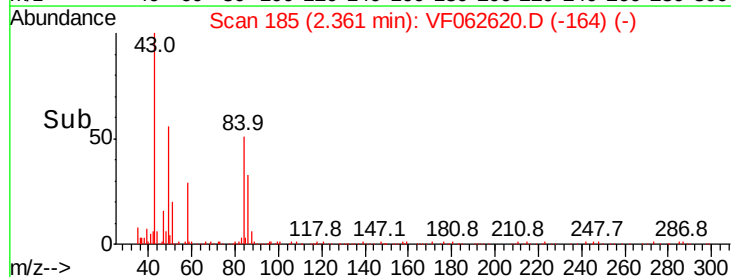
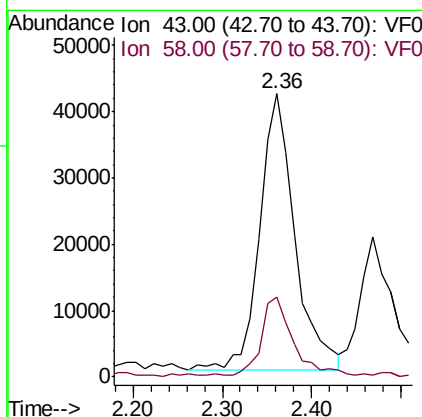
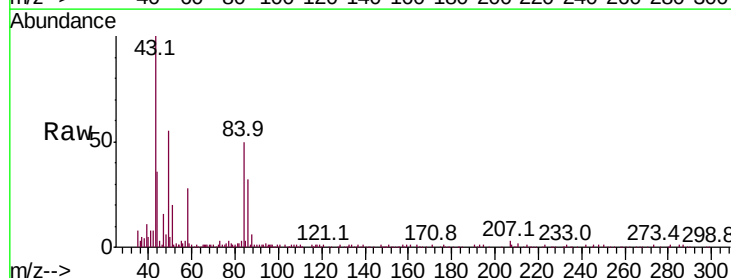
RT: 2.36 min Scan# 185

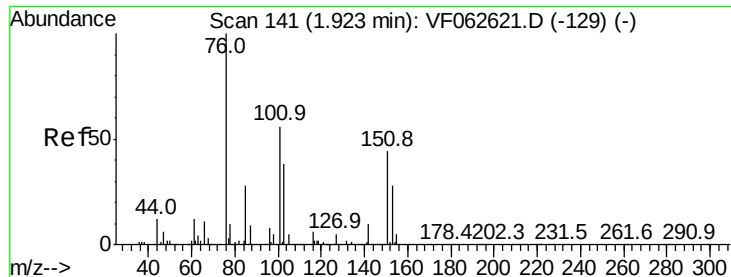
Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	43	Resp:	113248
Ion Ratio	Lower	Upper	
43	100		
58	28.1	22.6	33.8





#17

Carbon Disulfide

Concen: 20.168 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 402961

Ion Ratio Lower Upper

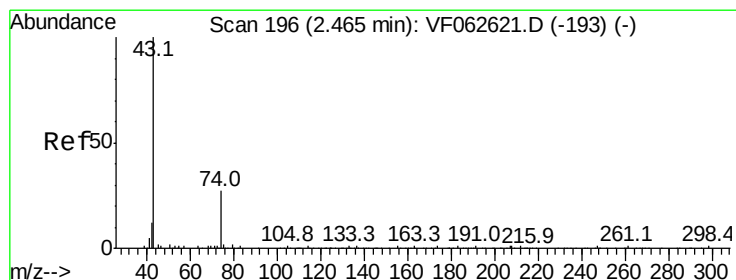
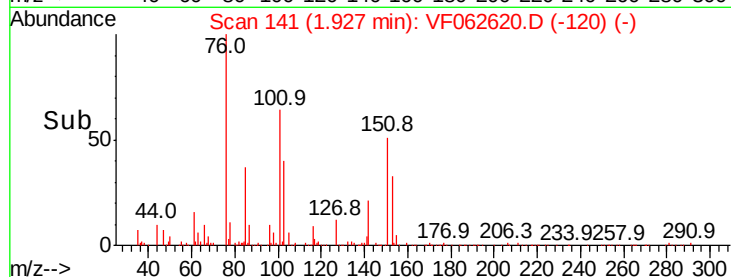
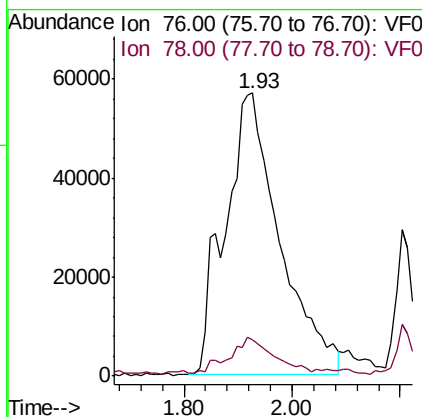
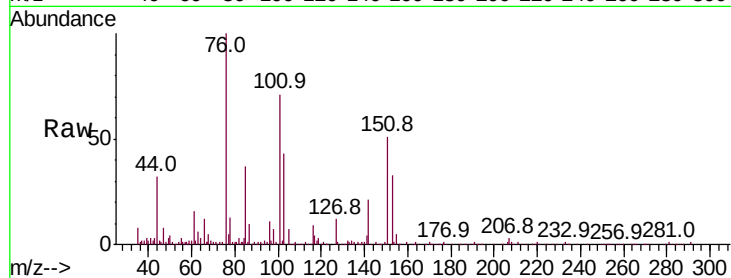
76 100

78 12.7 8.4 12.6#

Manual Integrations
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#18

Methyl Acetate

Concen: 17.921 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062620.D

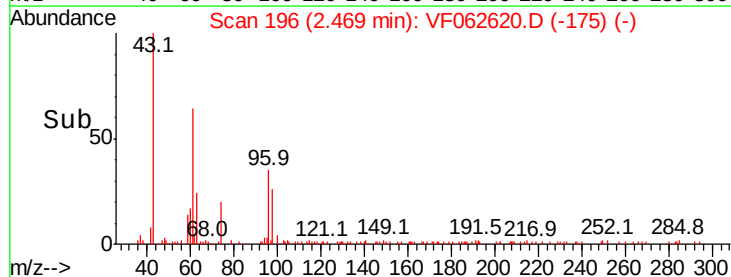
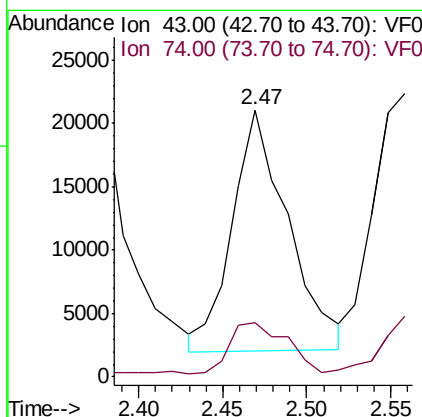
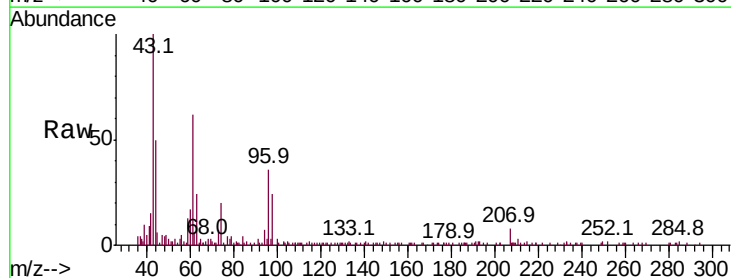
Acq: 16 May 2019 11:32

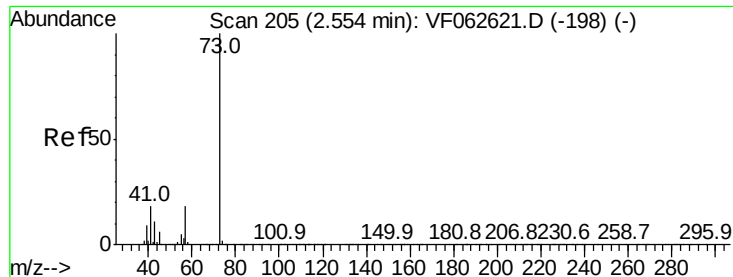
Tgt Ion: 43 Resp: 43826

Ion Ratio Lower Upper

43 100

74 20.4 18.9 28.3





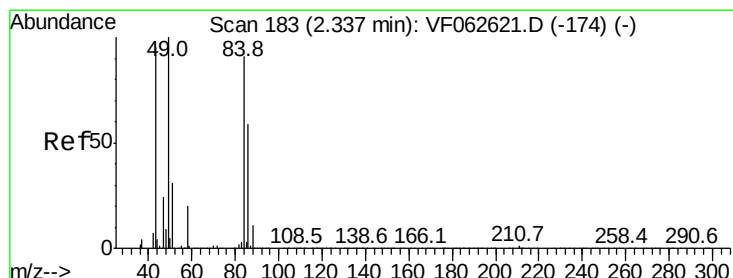
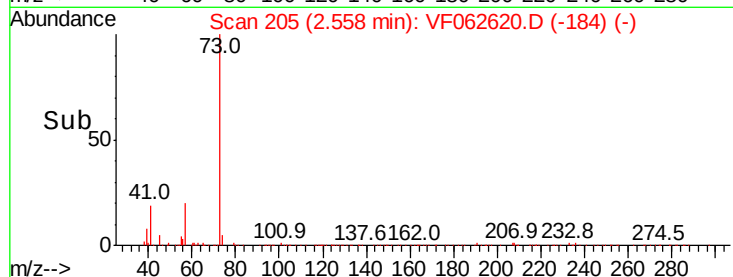
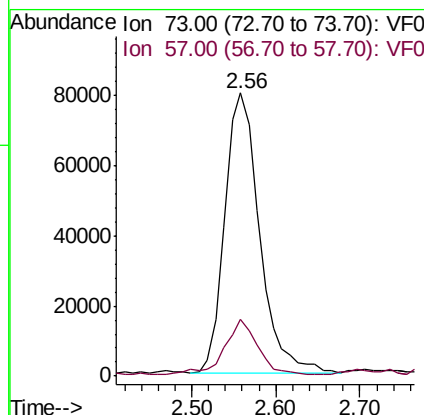
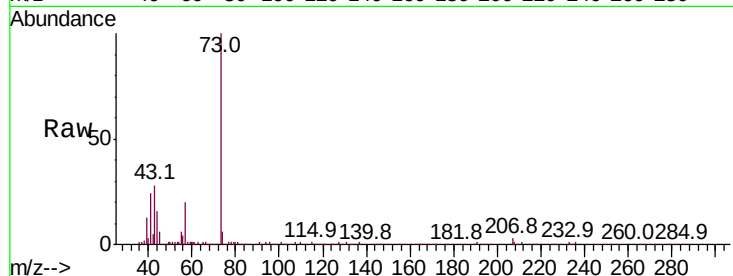
#19
Methyl tert-butyl Ether
Concen: 18.346 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	14.2	21.4

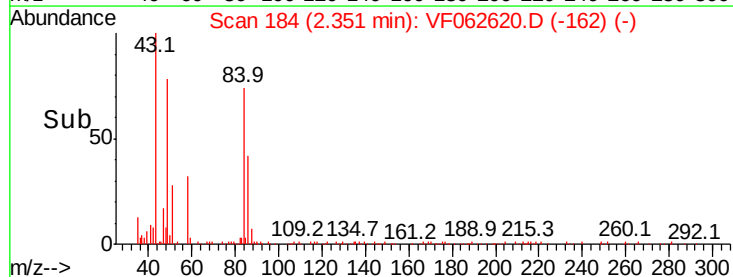
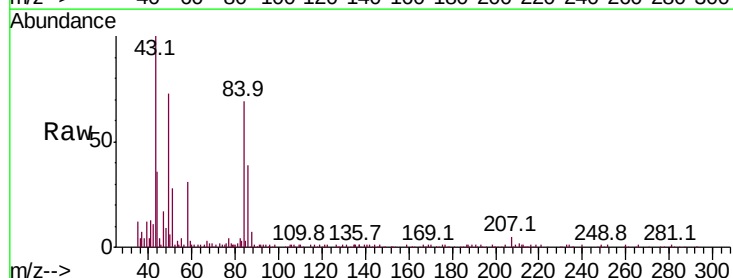
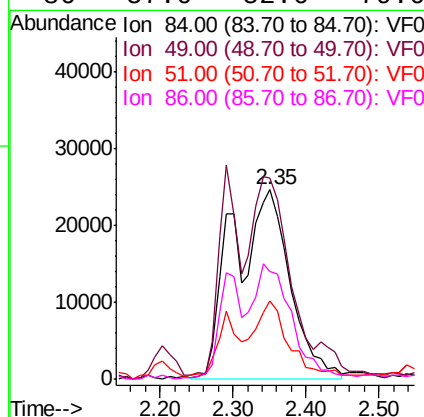
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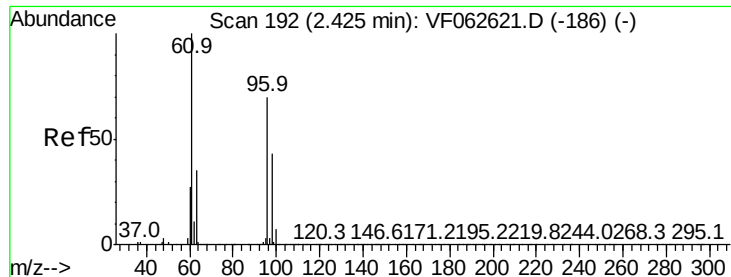
MMDadoda
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#20
Methylene Chloride
Concen: 18.823 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.0	89.8	134.8
51	41.0	28.4	42.6
86	57.0	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 21.317 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062620.D

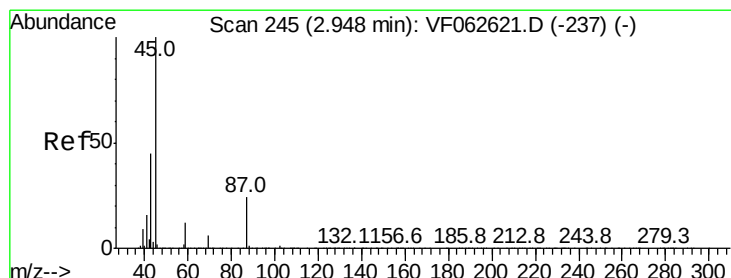
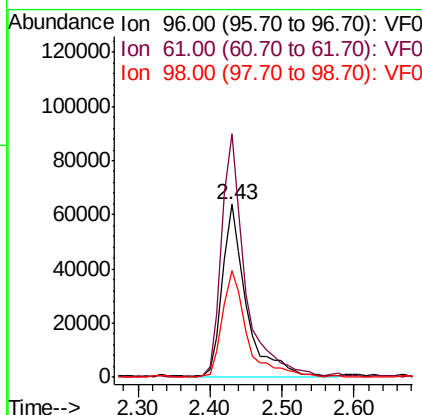
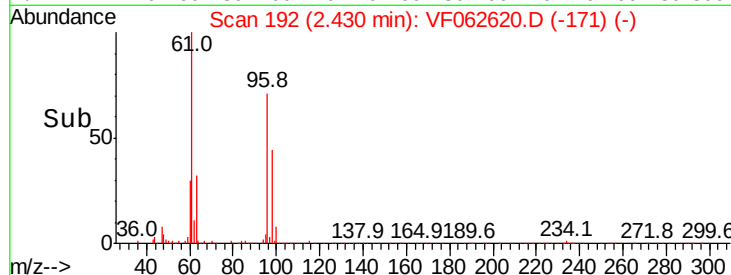
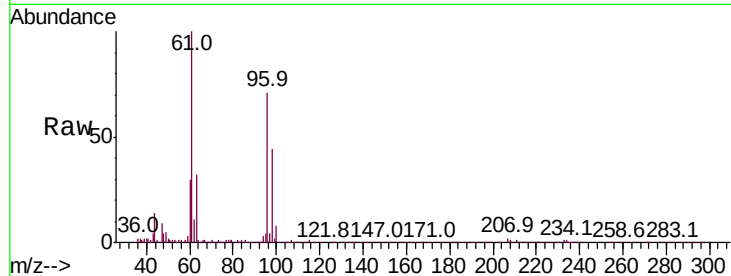
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146102		
61	141.1	114.6	171.8	
98	62.2	49.5	74.3	

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#22

Diisopropyl ether

Concen: 18.552 ug/l

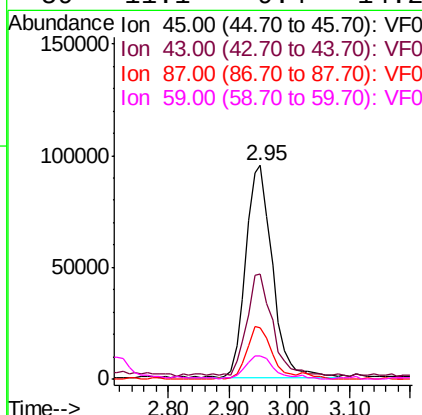
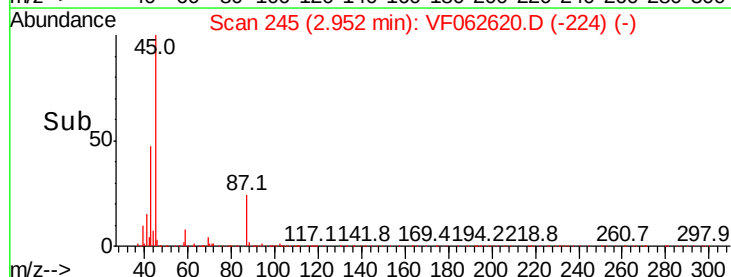
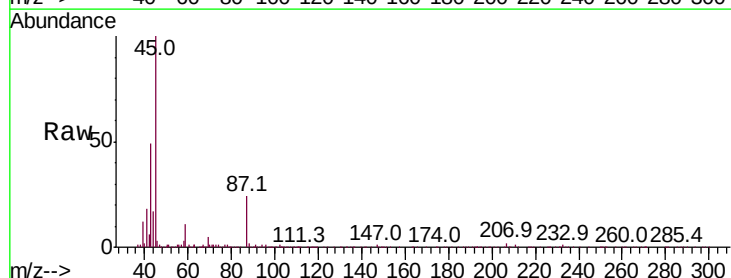
RT: 2.95 min Scan# 245

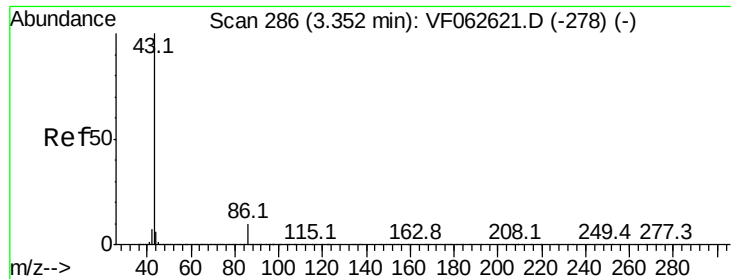
Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	290389		
43	49.1	36.4	54.6	
87	24.1	19.3	28.9	
59	11.1	9.4	14.2	





#23

Vinyl Acetate

Concen: 97.345 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1027839

Ion Ratio Lower Upper

43 100

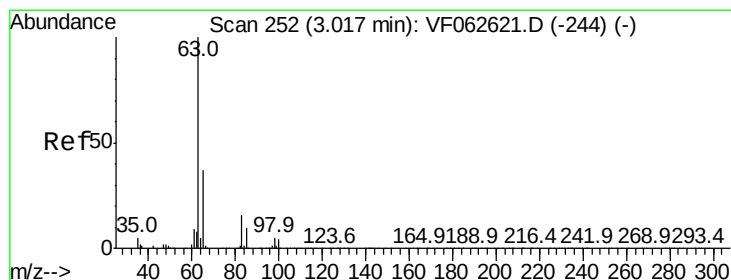
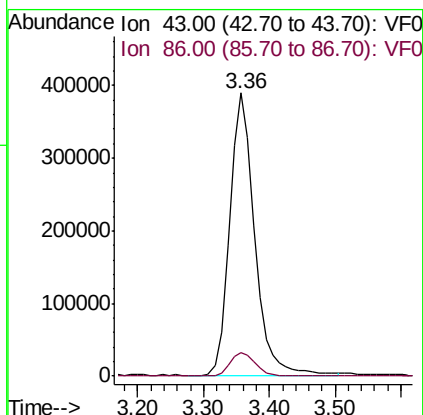
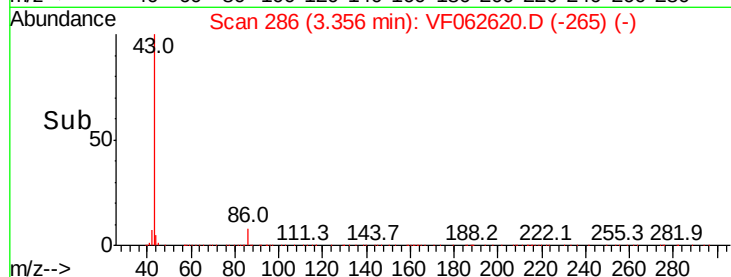
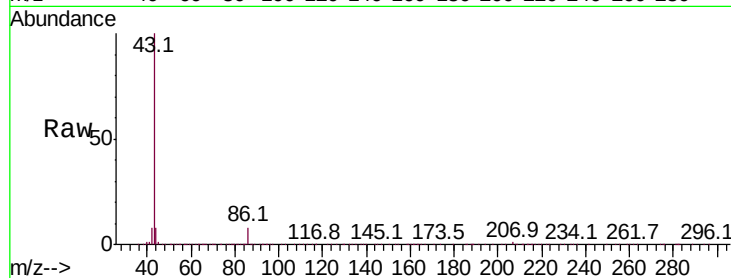
86 8.5 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 21.106 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

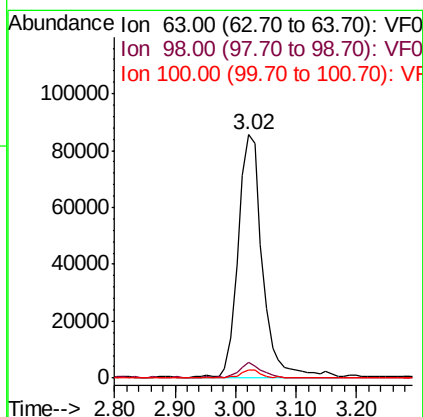
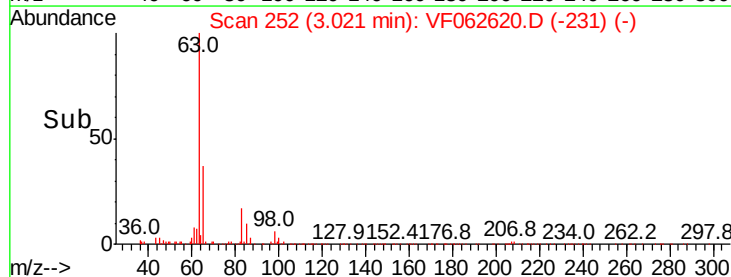
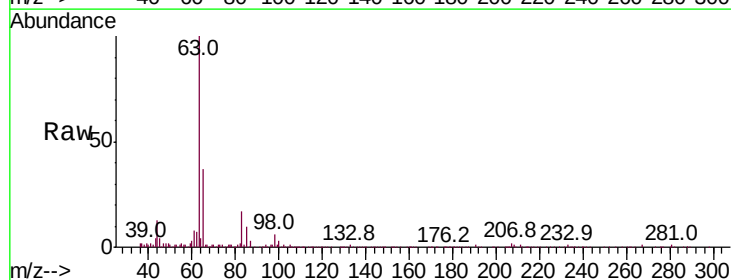
Tgt Ion: 63 Resp: 242353

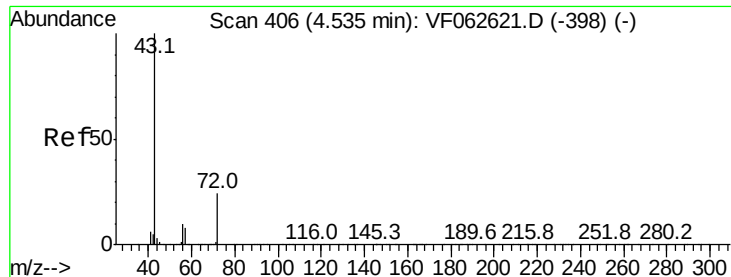
Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.3

100 3.3 1.9 5.7





#25

2-Butanone

Concen: 89.520 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 273693

Ion Ratio Lower Upper

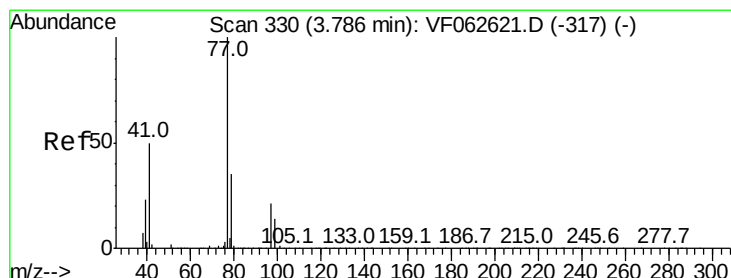
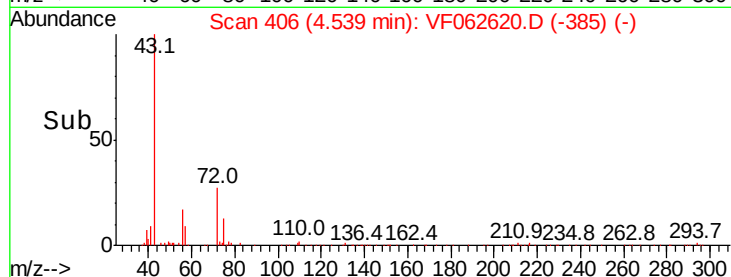
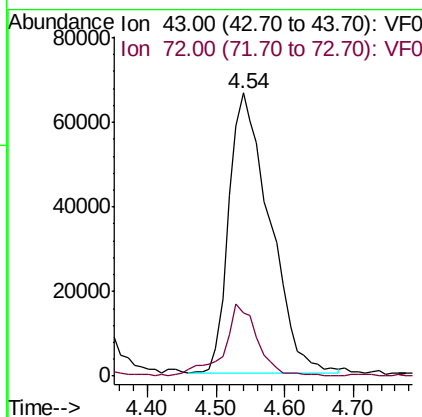
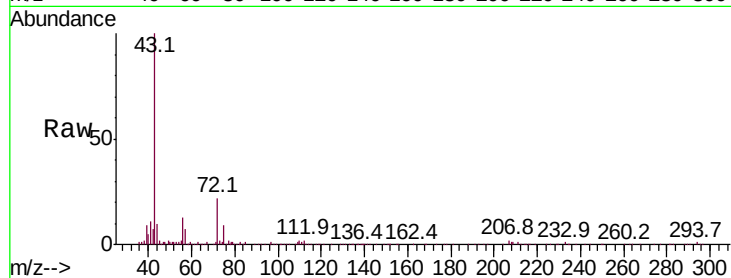
43 100

72 22.1 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 20.856 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062620.D

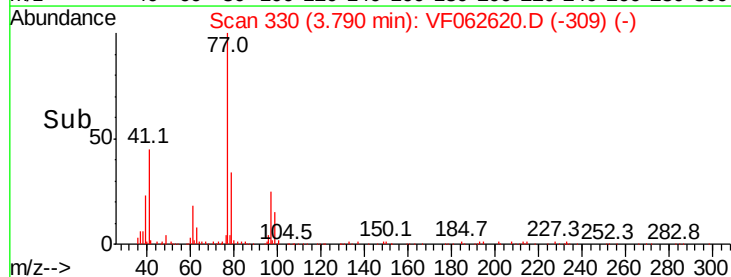
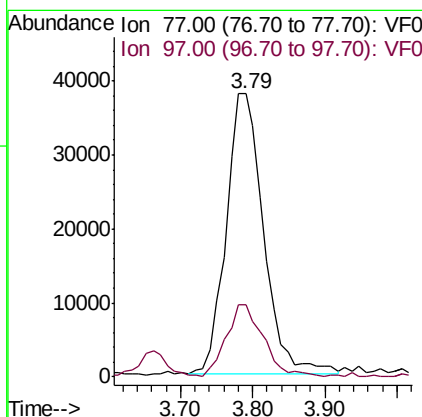
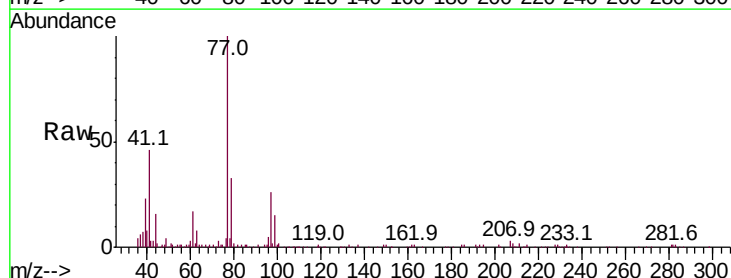
Acq: 16 May 2019 11:32

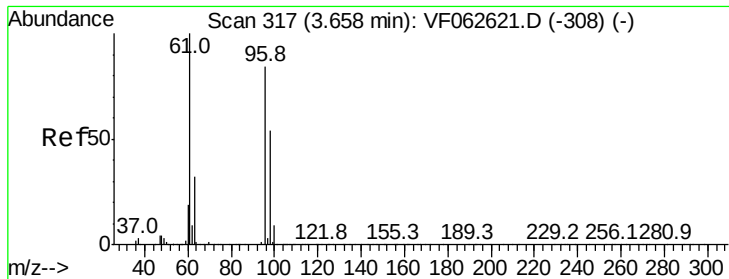
Tgt Ion: 77 Resp: 137022

Ion Ratio Lower Upper

77 100

97 25.5 14.1 42.4





#27

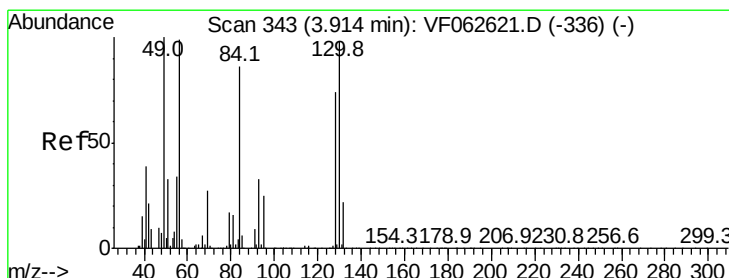
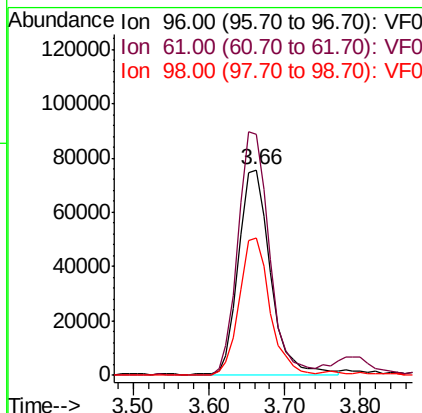
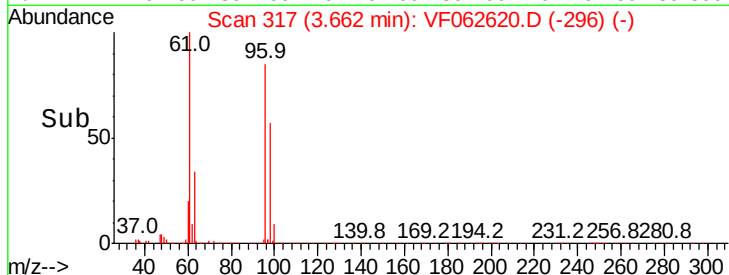
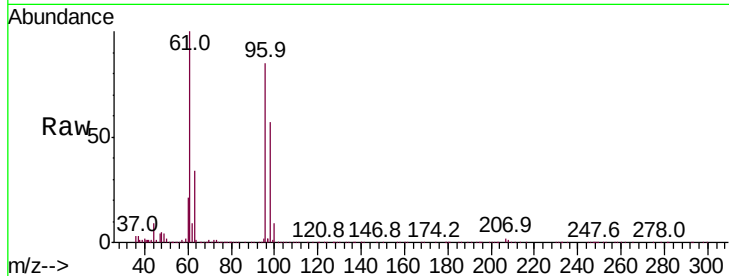
cis-1,2-Dichloroethene
Concen: 19.718 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	222292		
61	117.3	0.0	237.4	
98	66.5	0.0	129.0	

Manual Integrations
APPROVED

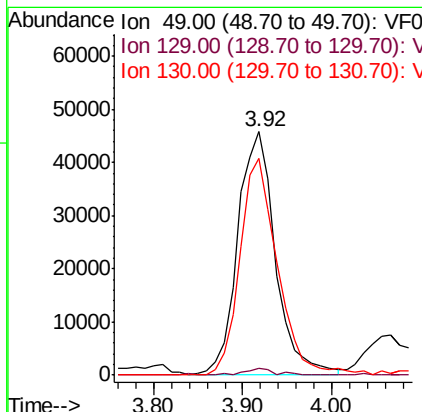
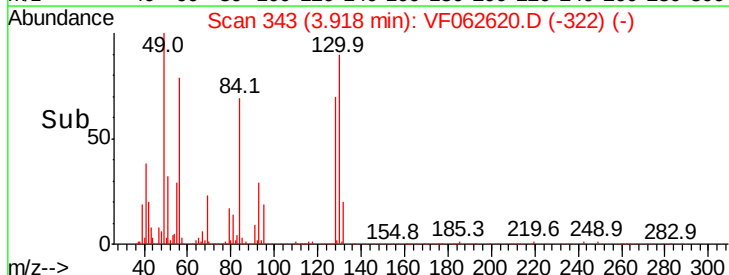
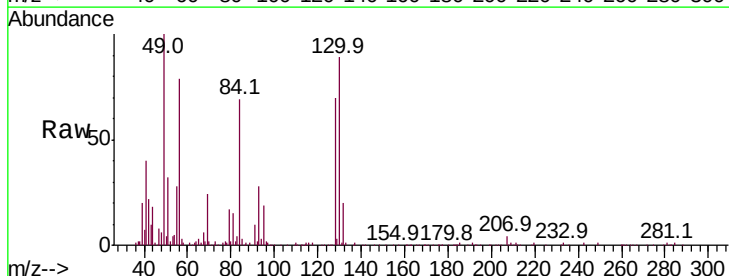
MMDadoda
5/17/2019 4:20:04 PM

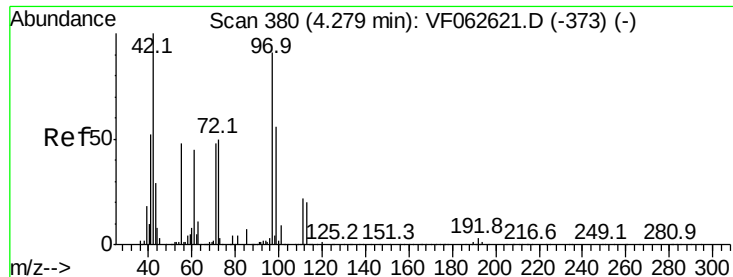


#28

Bromochloromethane
Concen: 20.682 ug/l
RT: 3.92 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133192		
129	2.6	0.0	4.0	
130	89.3	77.8	116.8	





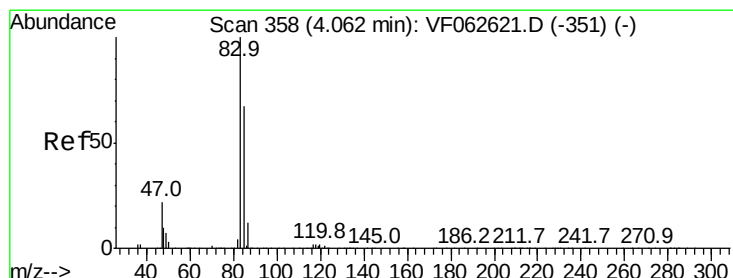
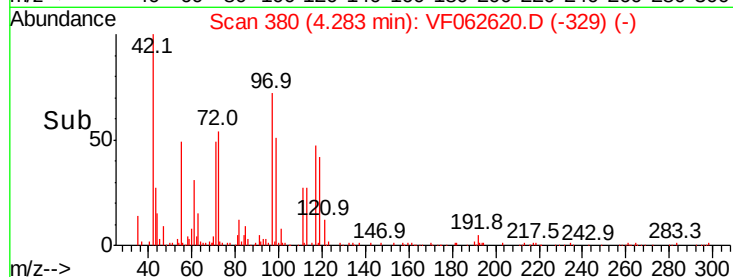
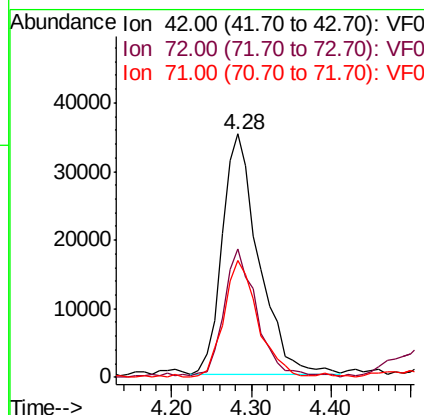
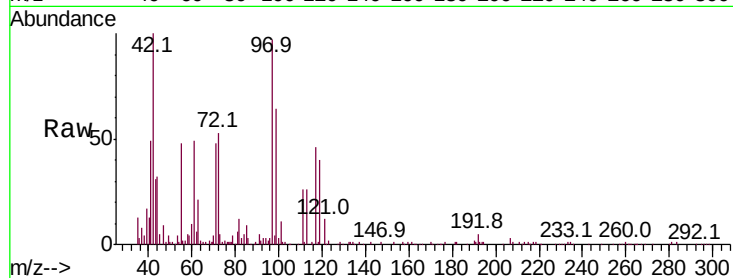
#29
Tetrahydrofuran
Concen: 91.005 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	38.2	57.2
71	45.3	35.8	53.6

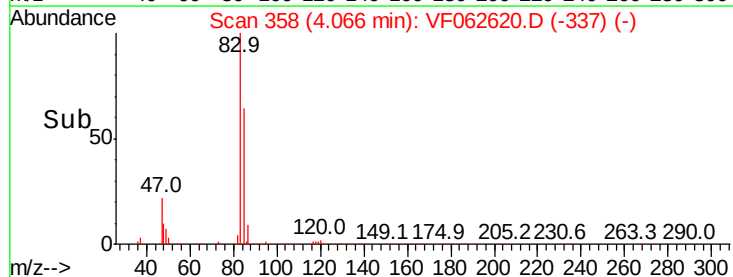
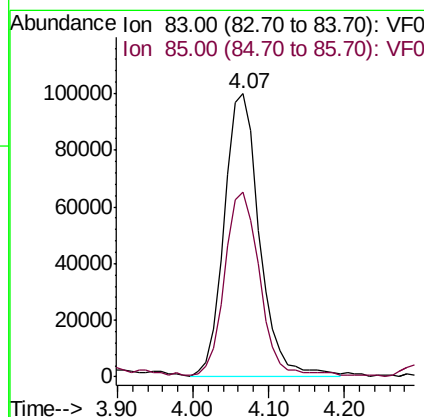
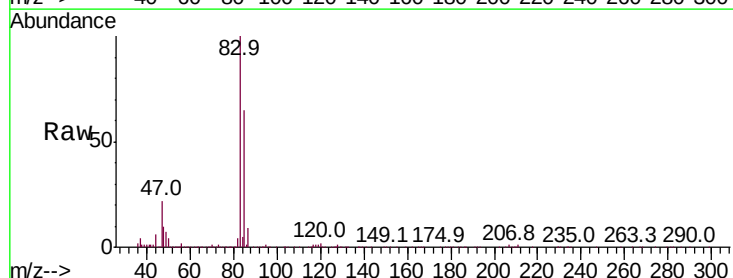
Manual Integrations
APPROVED

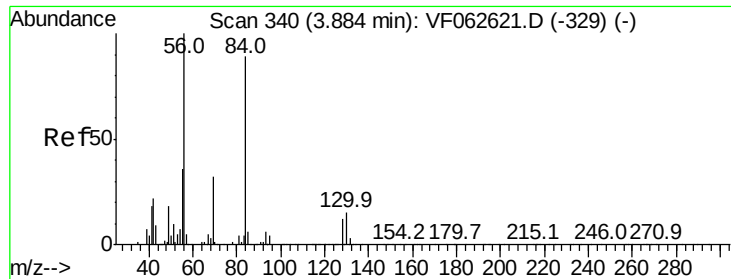
MMDadoda
5/17/2019 4:20:04 PM



#30
Chloroform
Concen: 20.080 ug/l
RT: 4.07 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.6	80.4





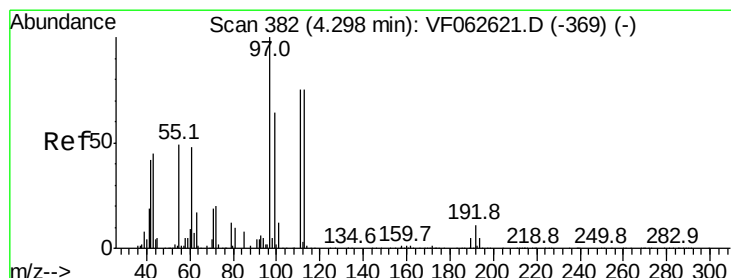
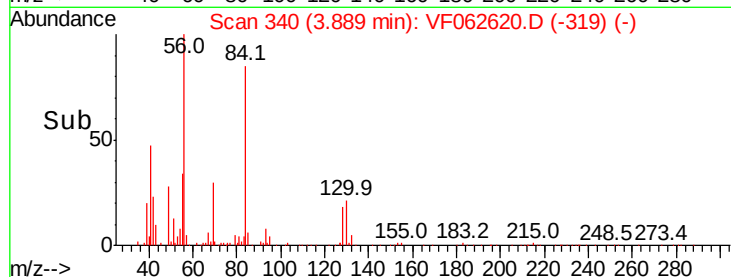
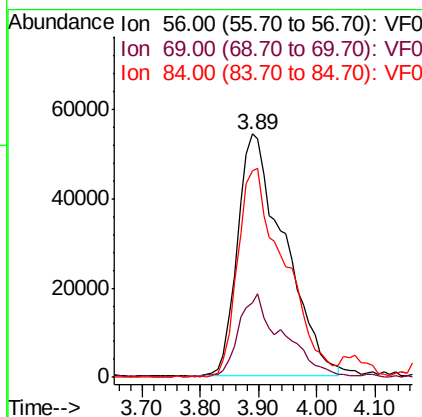
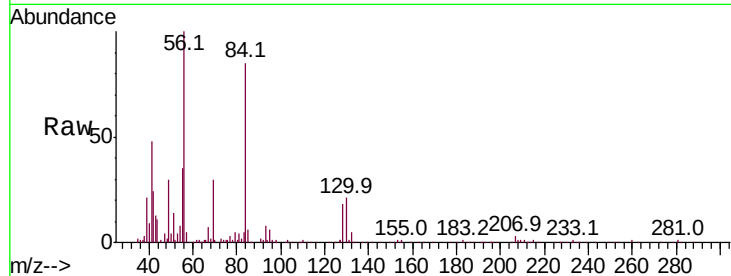
#31
Cyclohexane
Concen: 21.297 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	56	Resp:	304444
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.3	37.9
84	84.8	71.0	106.4

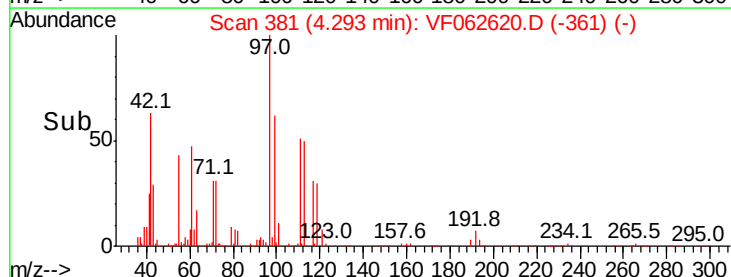
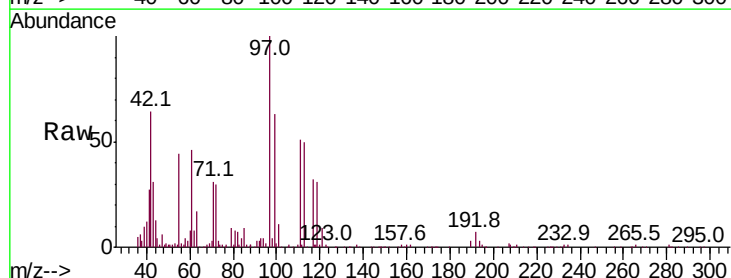
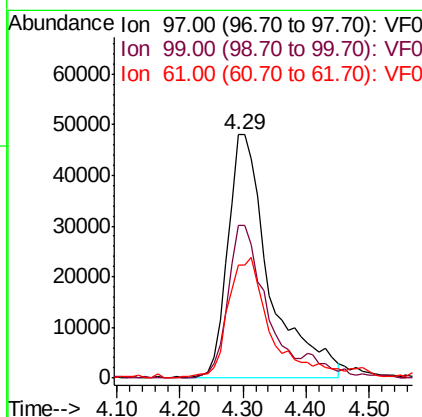
Manual Integrations
APPROVED

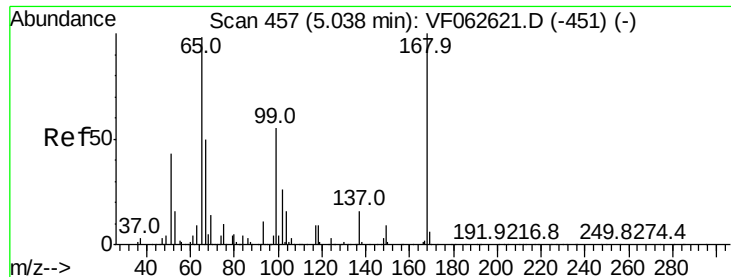
MMDadoda
5/17/2019 4:20:04 PM



#32
1,1,1-Trichloroethane
Concen: 20.817 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion:	97	Resp:	220406
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.3	76.9
61	46.2	38.2	57.2





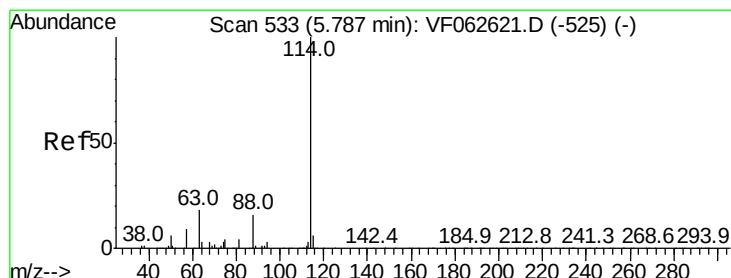
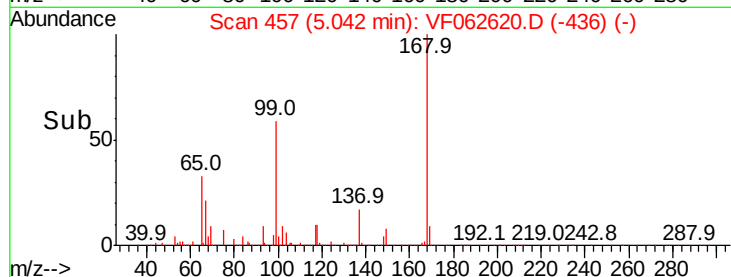
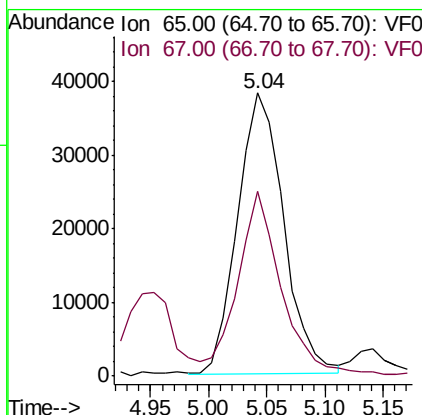
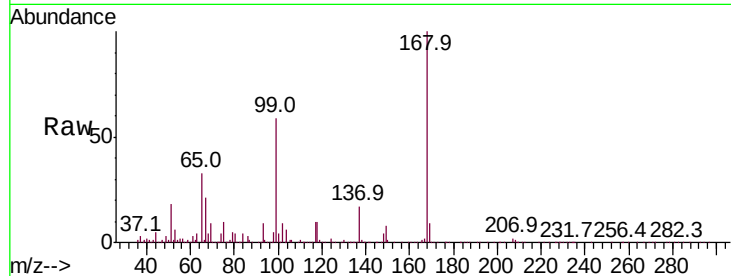
#33
 1,2-Dichloroethane-d4
 Concen: 19.015 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	65.1	0.0	117.6	

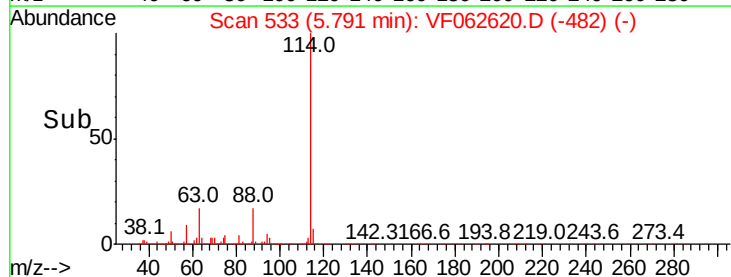
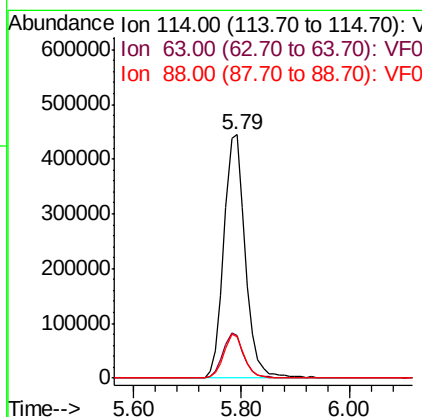
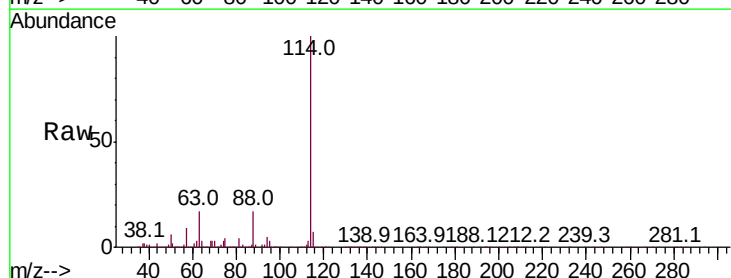
Manual Integrations
 APPROVED

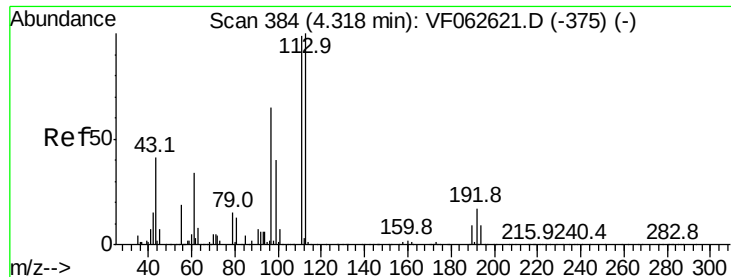
MMDadoda
 5/17/2019 4:20:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	35.4	
88	17.0	0.0	32.4	





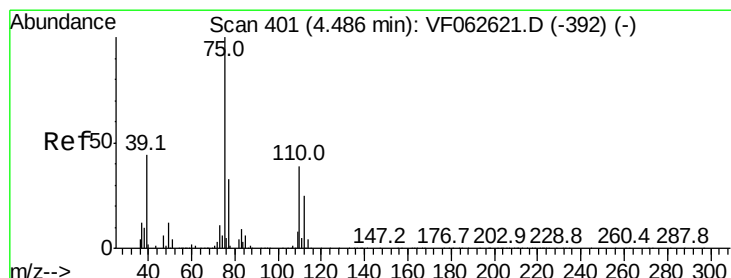
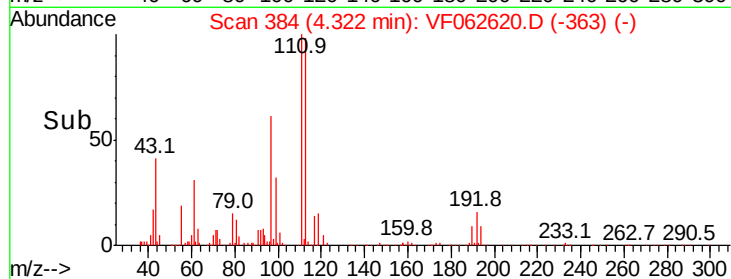
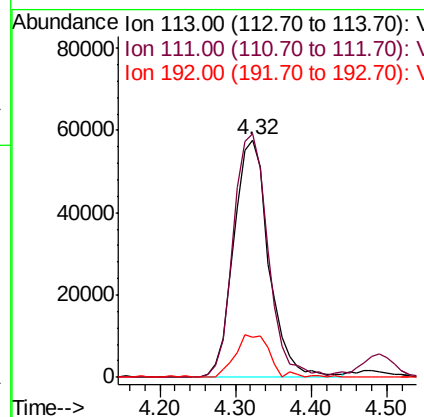
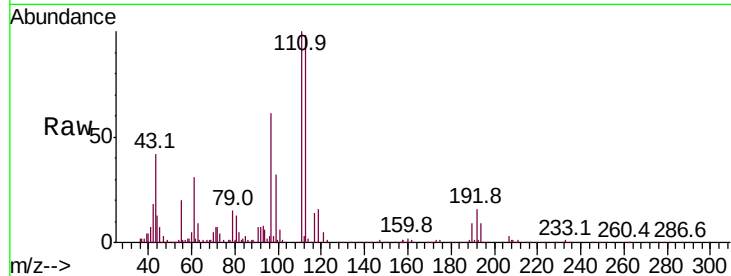
#35
 Dibromofluoromethane
 Concen: 19.772 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184700		
111	102.5	79.4	119.2	
192	16.7	13.4	20.2	

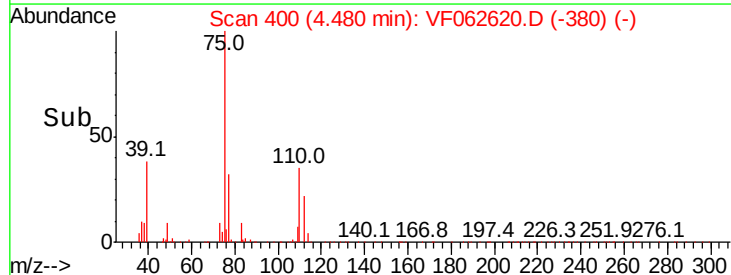
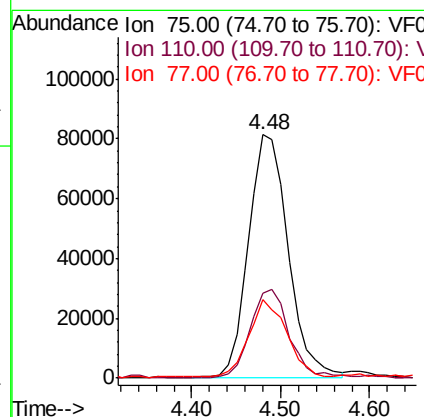
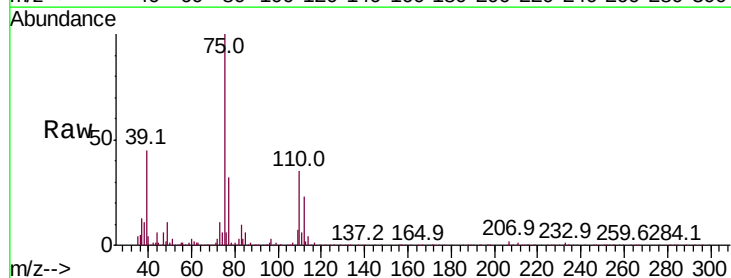
Manual Integrations
 APPROVED

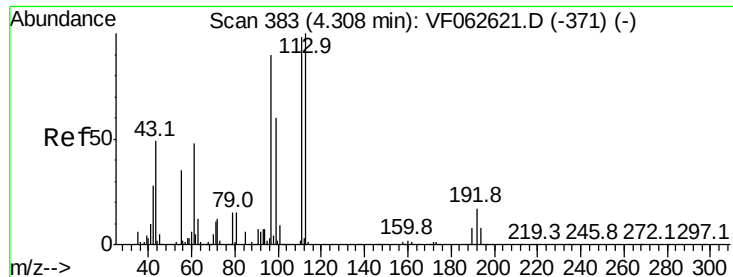
MMDadoda
 5/17/2019 4:20:04 PM



#36
 1,1-Dichloropropene
 Concen: 20.045 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	250750		
110	34.8	19.7	59.1	
77	32.4	26.3	39.5	





#37

Ethyl Acetate

Concen: 18.554 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

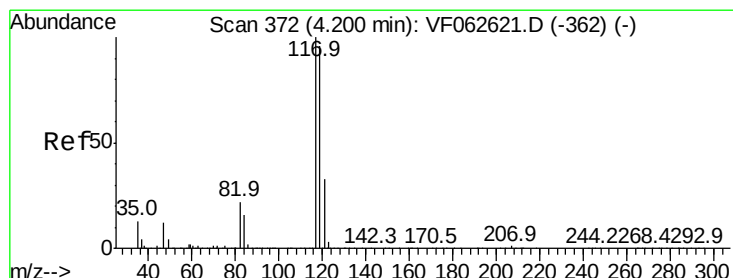
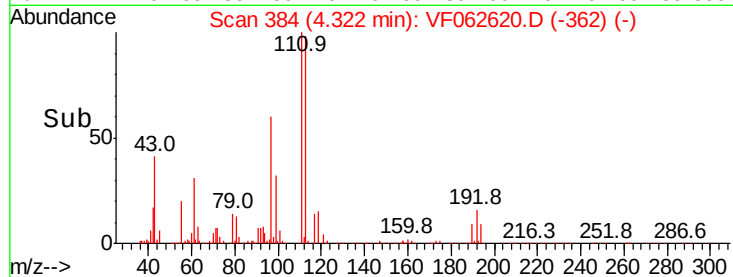
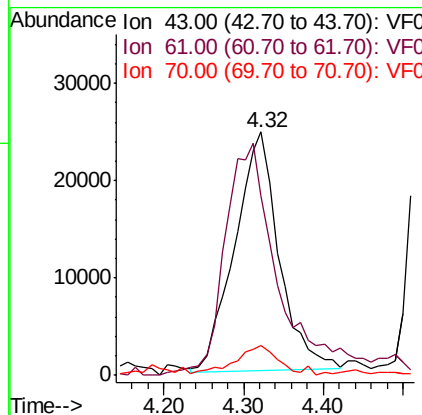
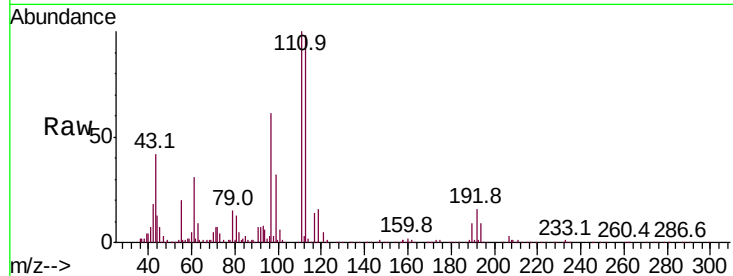
VSTDIC020

Tot Ion:	43	Resp:	94763
Ion Ratio	Lower	Upper	
43	100		
61	74.0	76.9	115.3#
70	12.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda

5/17/2019 4:20:04 PM



#38

Carbon Tetrachloride

Concen: 22.142 ug/l

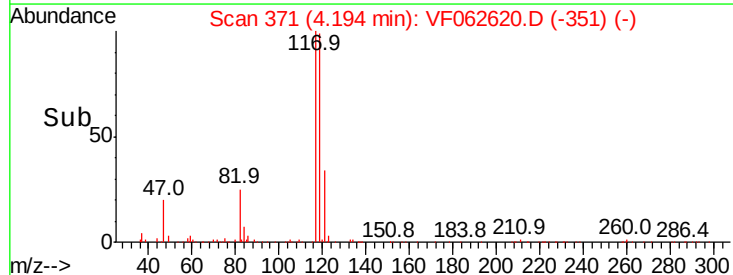
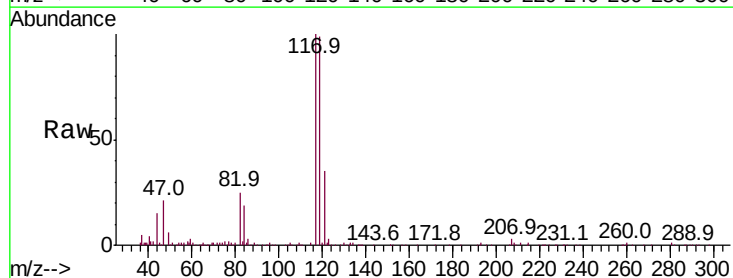
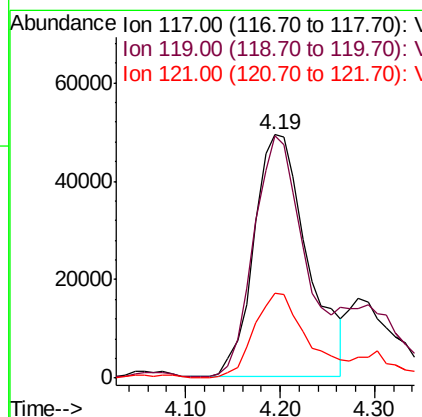
RT: 4.19 min Scan# 371

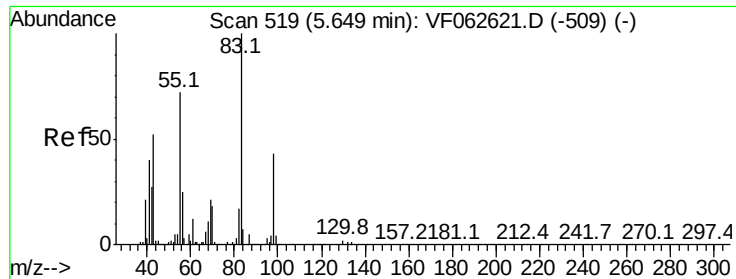
Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	117	Resp:	195142
Ion Ratio	Lower	Upper	
117	100		
119	99.4	76.7	115.1
121	34.8	26.6	40.0





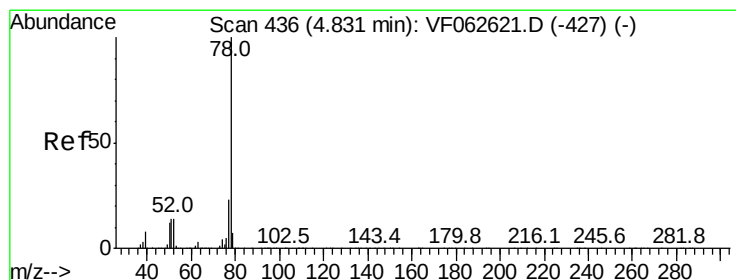
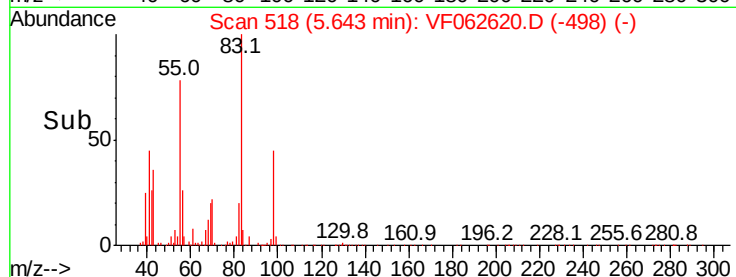
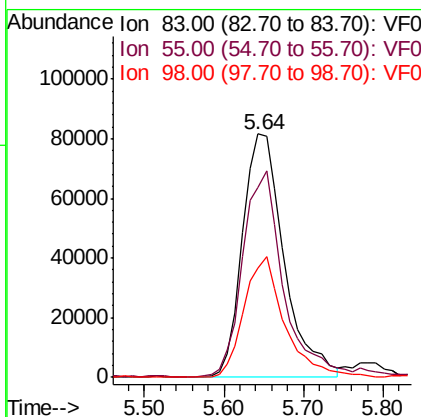
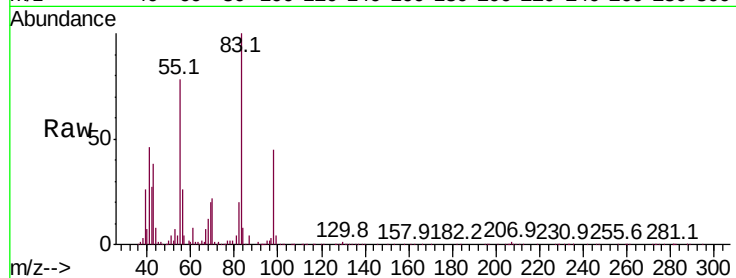
#39
Methylvlcyclohexane
Concen: 19.587 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	83	Resp:	294811
Ion Ratio	Lower	Upper	
83	100		
55	78.2	57.9	86.9
98	44.9	34.6	52.0

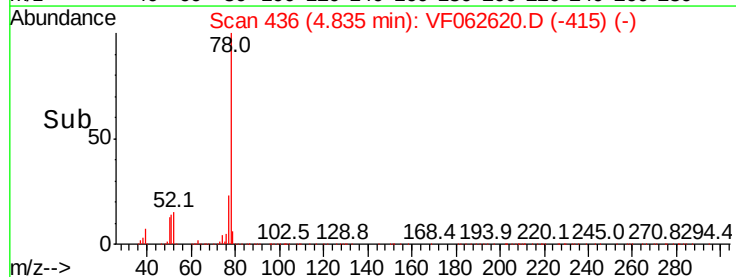
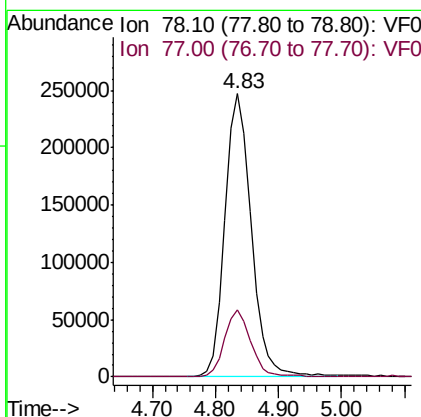
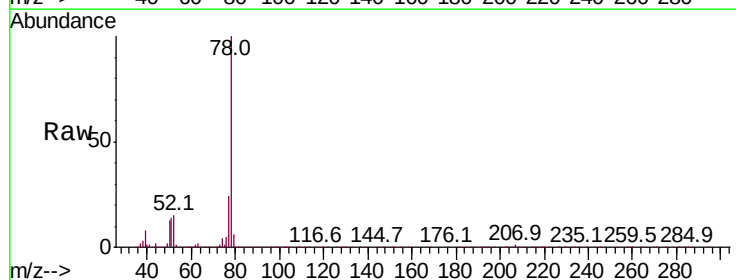
Manual Integrations
APPROVED

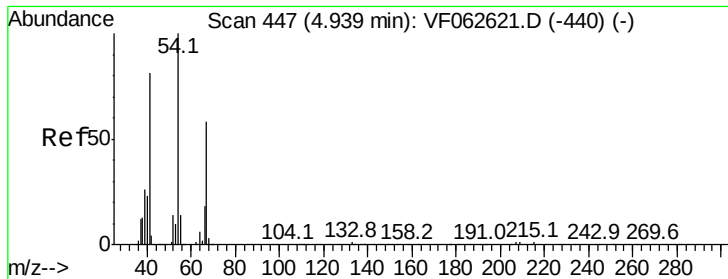
MMDadoda
5/17/2019 4:20:04 PM



#40
Benzene
Concen: 21.023 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion:	78	Resp:	716409
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.2	27.2





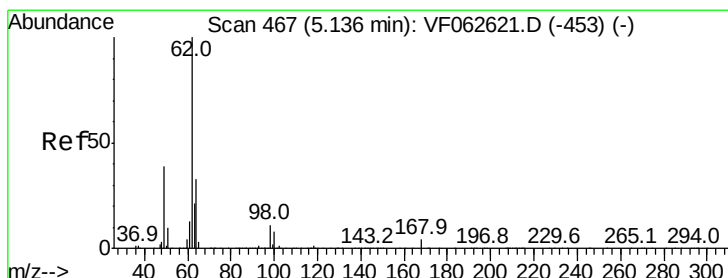
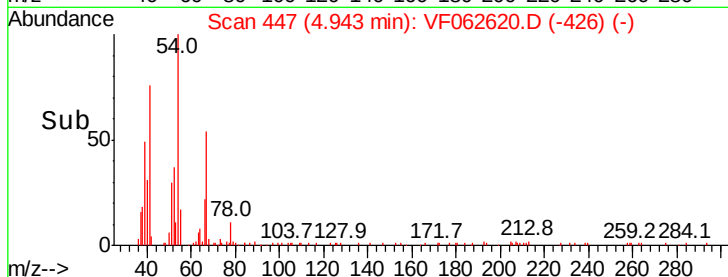
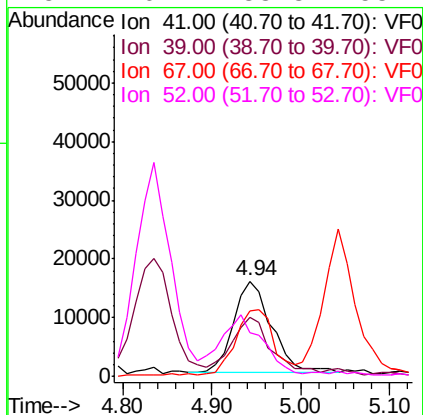
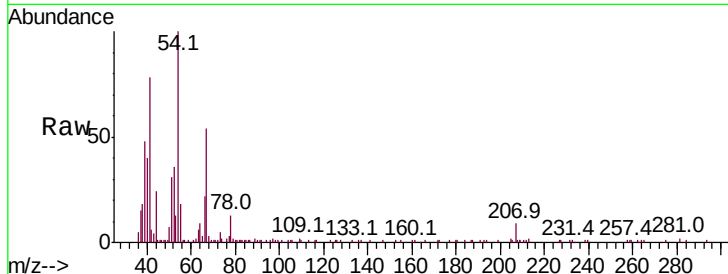
#41
Methacrylonitrile
Concen: 17.224 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.0	42.2	63.2	
67	68.6	56.4	84.6	
52	46.1	38.8	58.2	

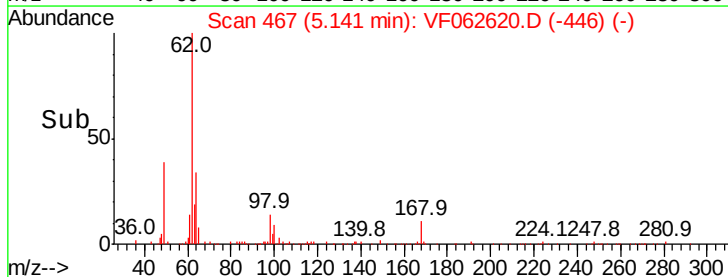
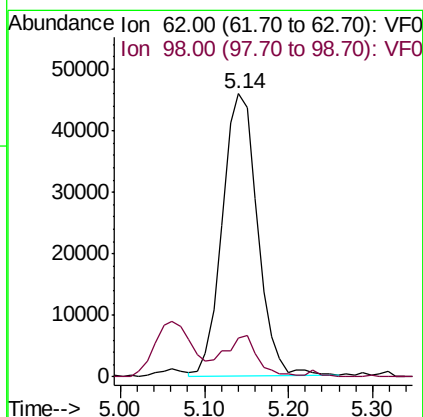
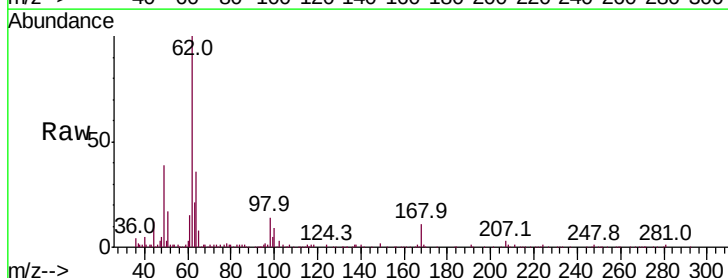
Manual Integrations
APPROVED

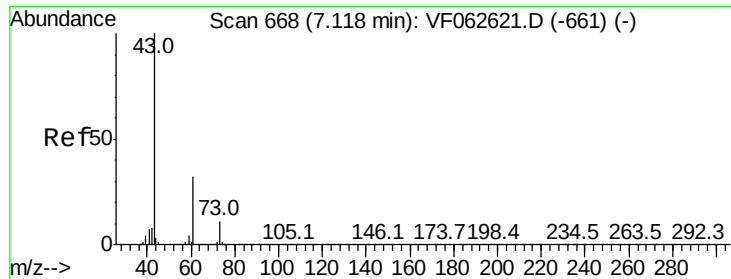
MMDadoda
5/17/2019 4:20:04 PM



#42
1,2-Dichloroethane
Concen: 19.564 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	13.8	0.0	21.6	





#43

Isopropyl Acetate

Concen: 17.462 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

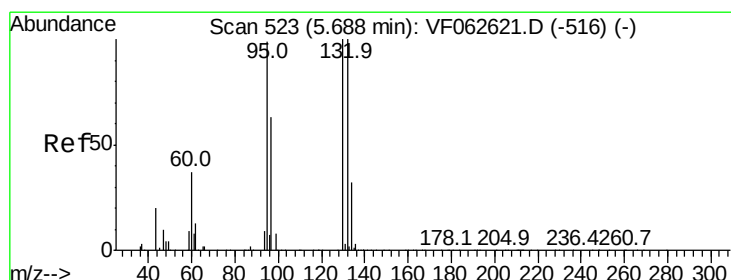
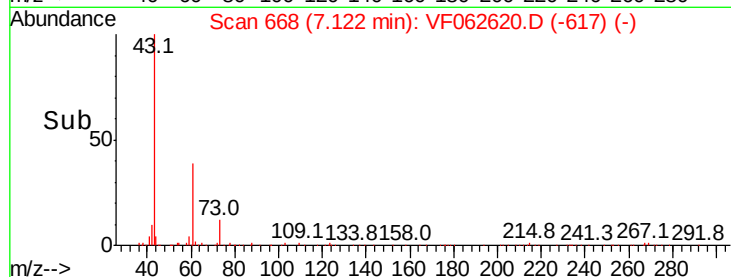
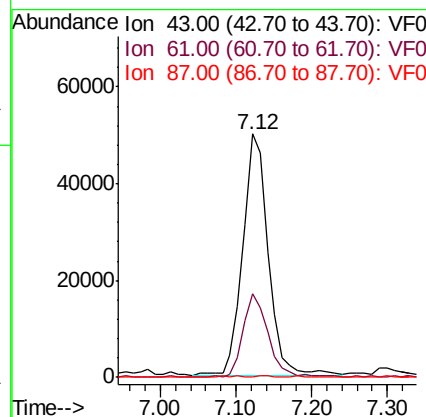
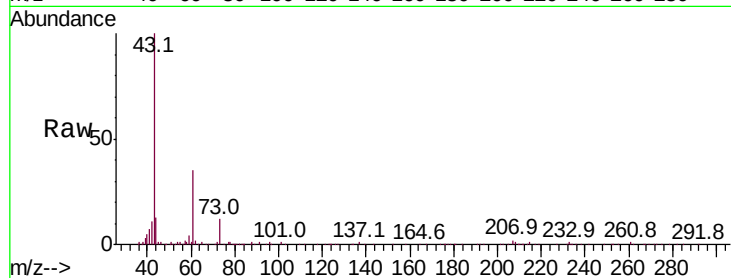
VSTDIC020

Tot Ion:	43	Resp:	115545
Ion	Ratio	Lower	Upper
43	100		
61	34.5	25.8	38.8
87	0.4	0.4	0.6

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#44

Trichloroethene

Concen: 20.583 ug/l

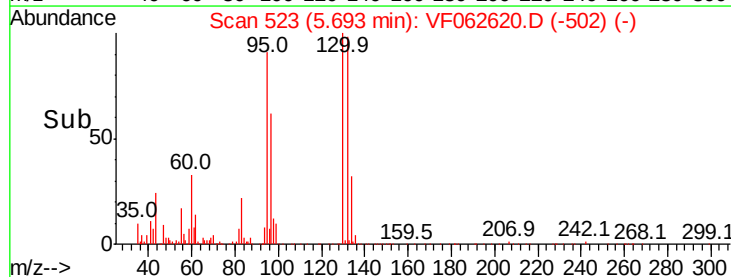
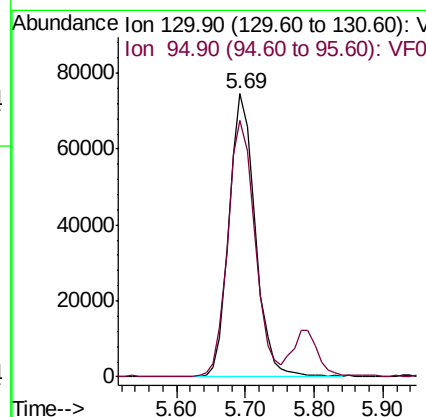
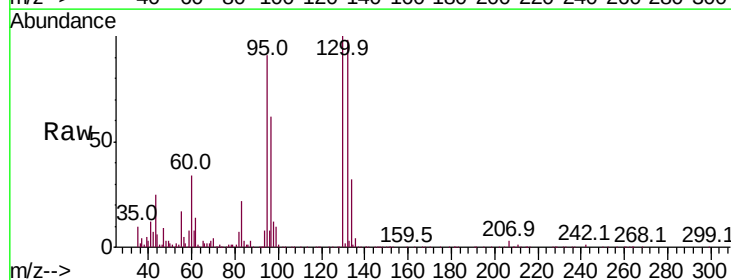
RT: 5.69 min Scan# 523

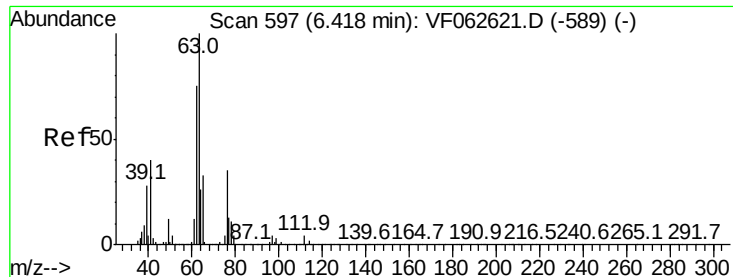
Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	130	Resp:	197143
Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	199.4





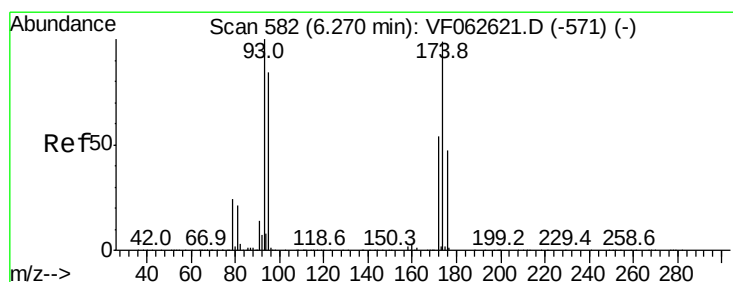
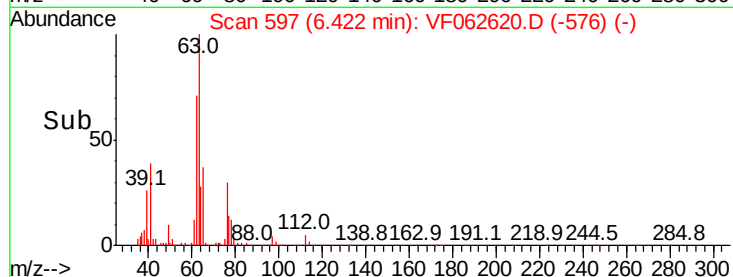
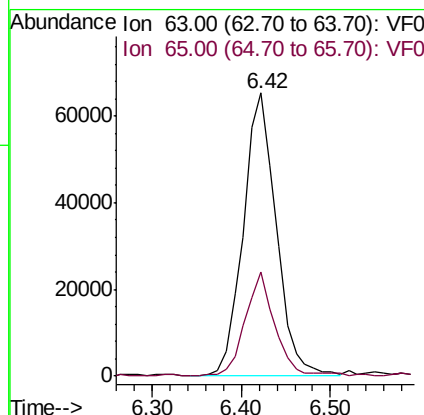
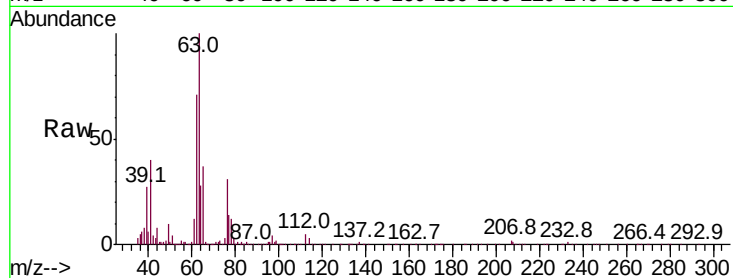
#45
 1,2-Dichloropropane
 Concen: 19.232 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	36.8	26.3	39.5

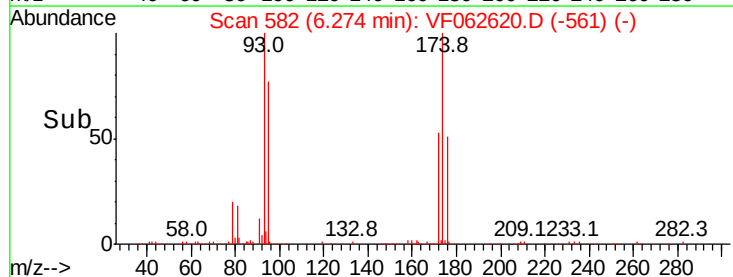
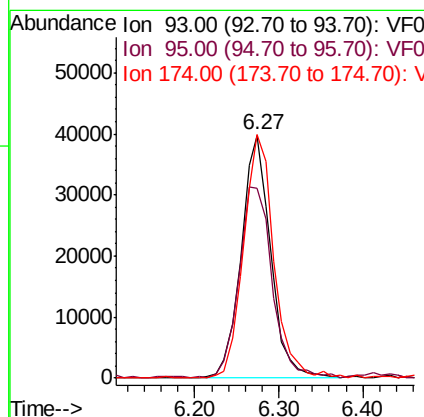
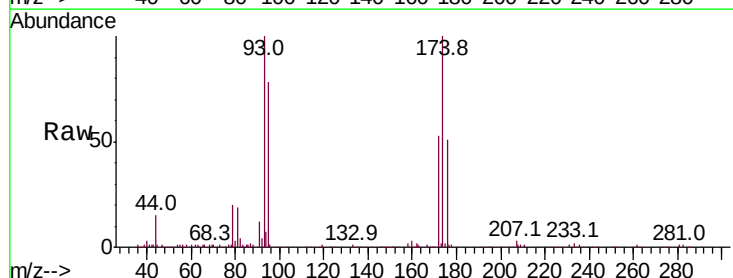
Manual Integrations
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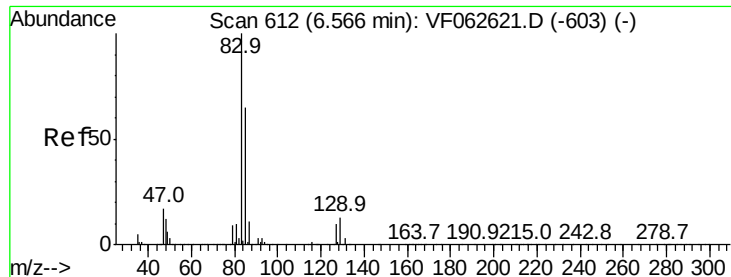
MMDadoda
 5/17/2019 4:20:04 PM



#46
 Dibromomethane
 Concen: 19.480 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.5	67.4	101.2
174	100.3	79.4	119.2





#47

Bromodichloromethane

Concen: 20.240 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

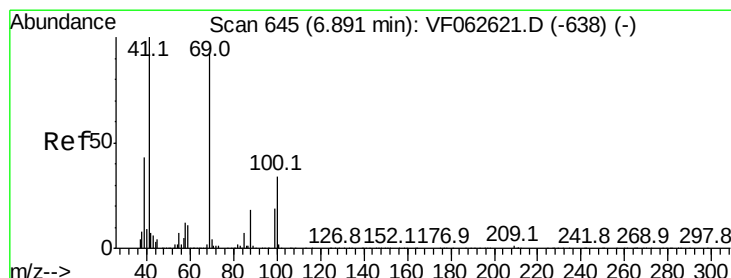
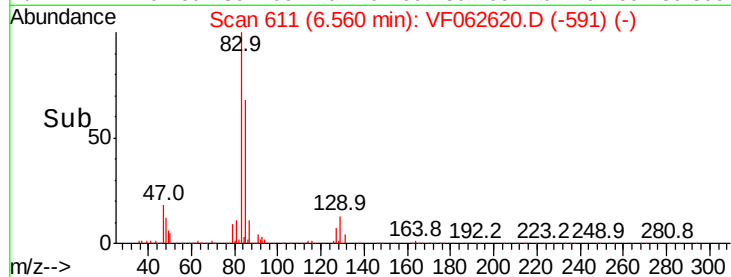
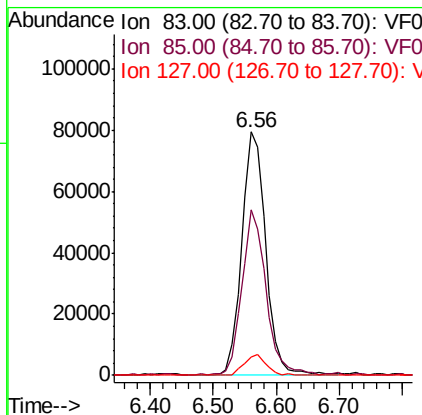
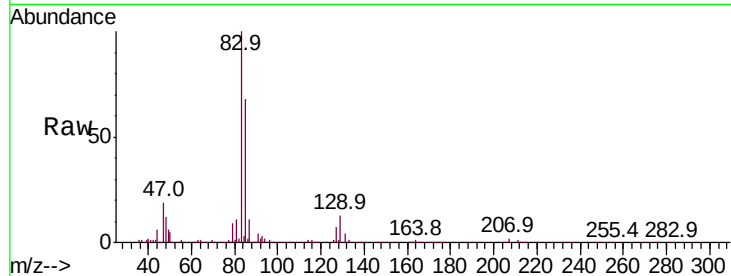
VSTDIC020

Tot Ion:	83	Resp:	208895
Ion Ratio	Lower	Upper	
83	100		
85	67.8	52.0	78.0
127	7.5	7.7	11.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.120 ug/l

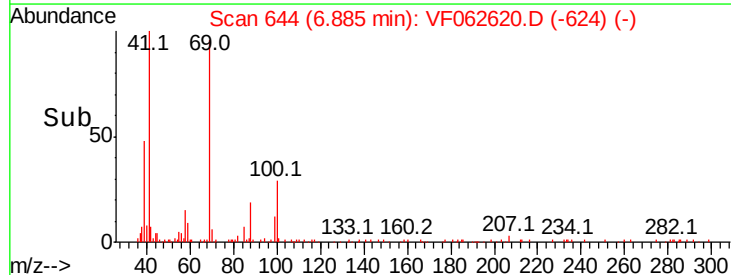
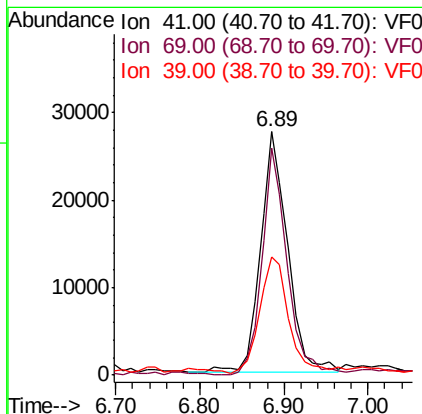
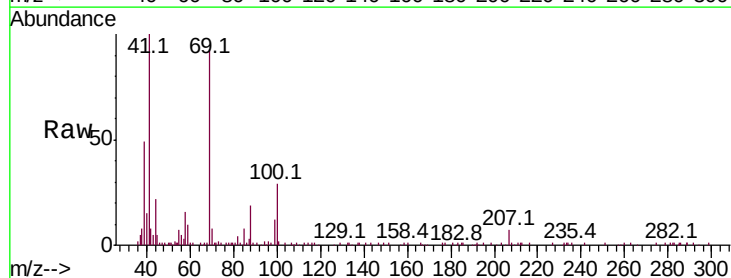
RT: 6.89 min Scan# 644

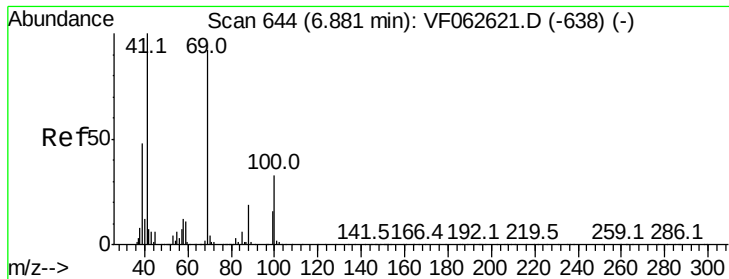
Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	41	Resp:	62668
Ion Ratio	Lower	Upper	
41	100		
69	93.1	74.2	111.2
39	48.8	34.2	51.4





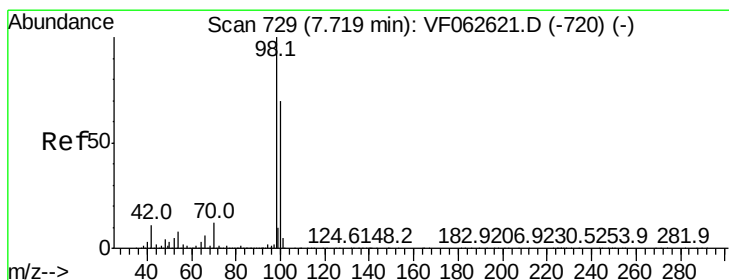
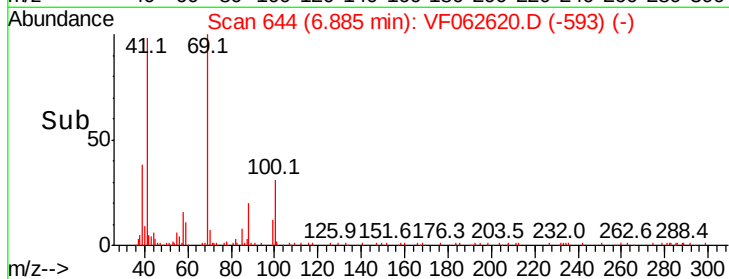
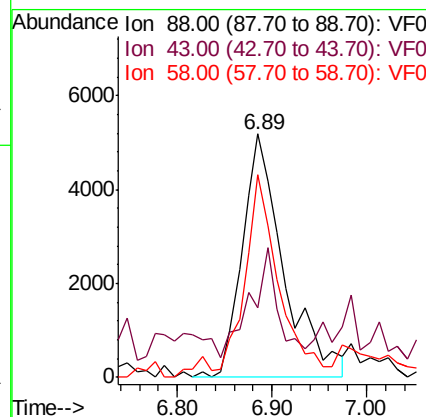
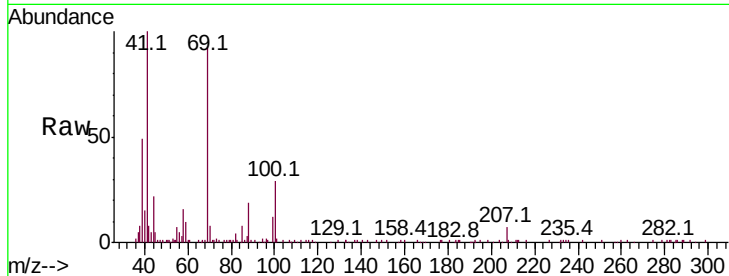
#49
1,4-Dioxane
Concen: 354.720 ug/l
RT: 6.89 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	30.0	45.0#
58	83.2	51.1	76.7#

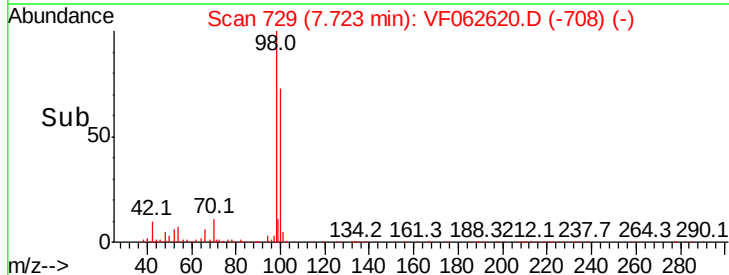
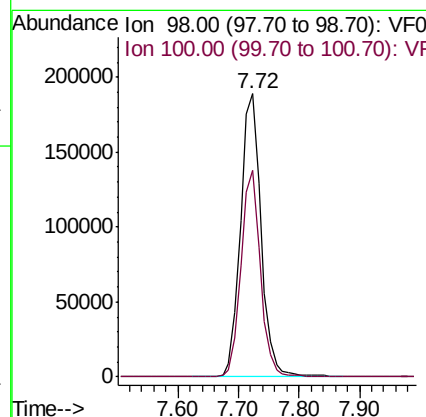
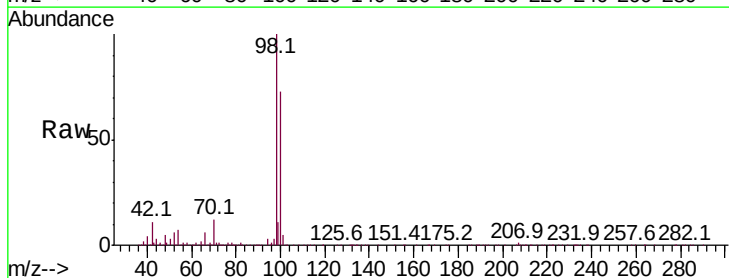
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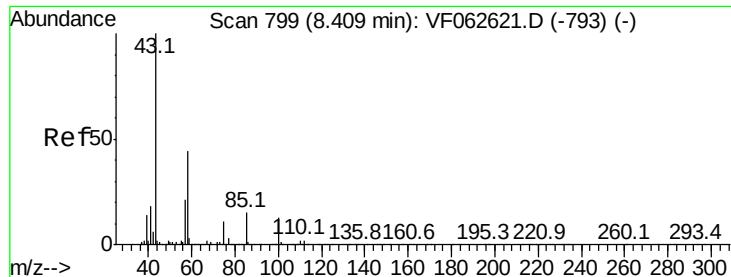
MMDadoda
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#50
Toluene-d8
Concen: 19.975 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.9	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 93.370 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 422305

Ion Ratio Lower Upper

43 100

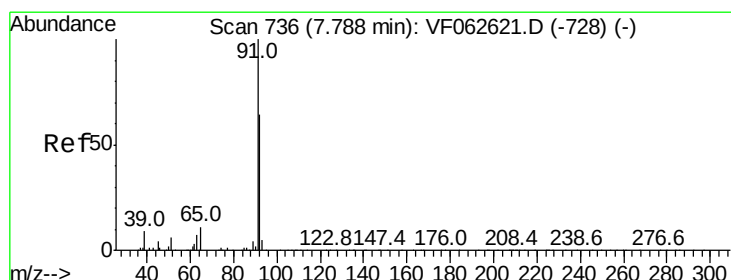
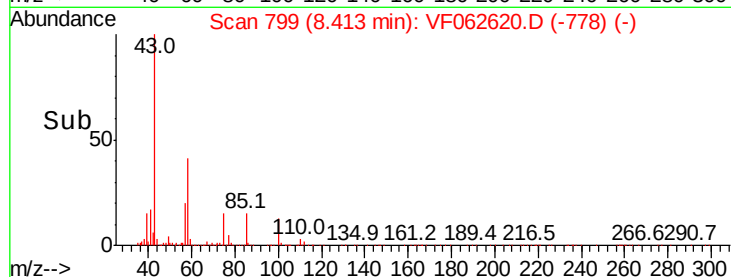
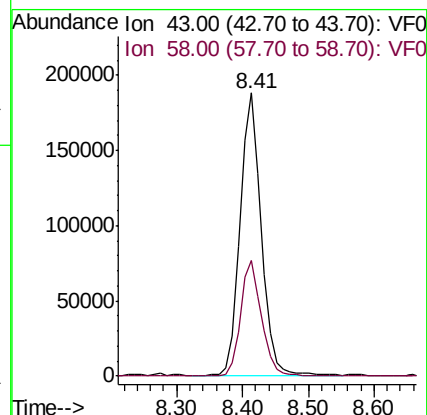
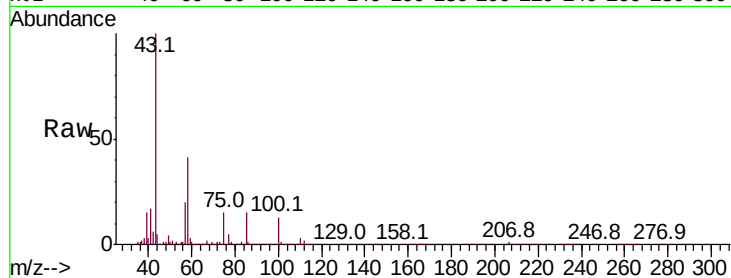
58 41.0 34.9 52.3

Manual Integrations

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#52

Toluene

Concen: 20.498 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062620.D

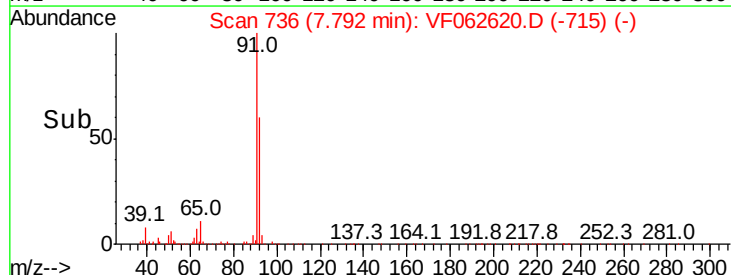
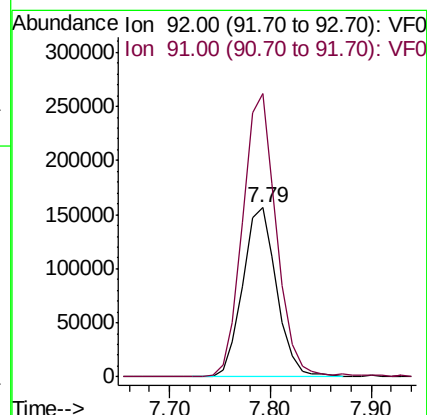
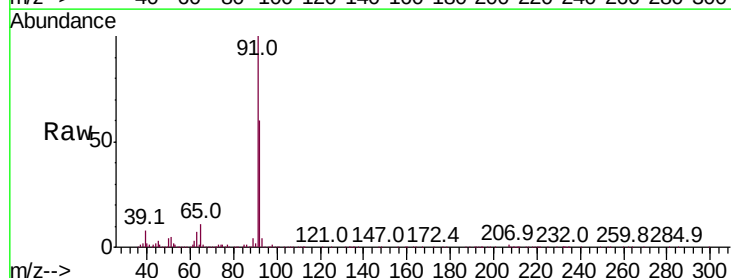
Acq: 16 May 2019 11:32

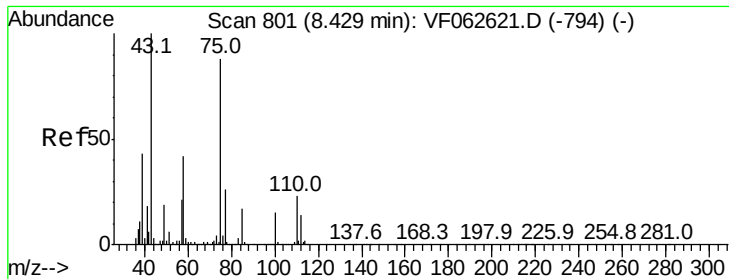
Tgt Ion: 92 Resp: 366347

Ion Ratio Lower Upper

92 100

91 167.5 125.4 188.0





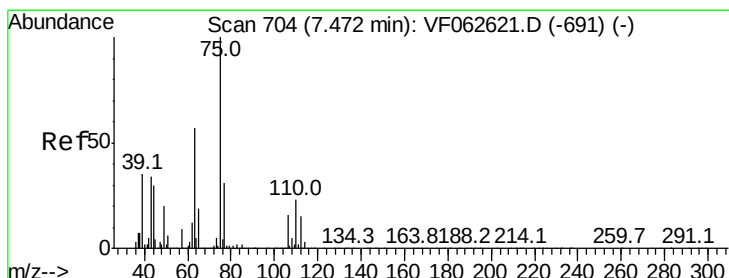
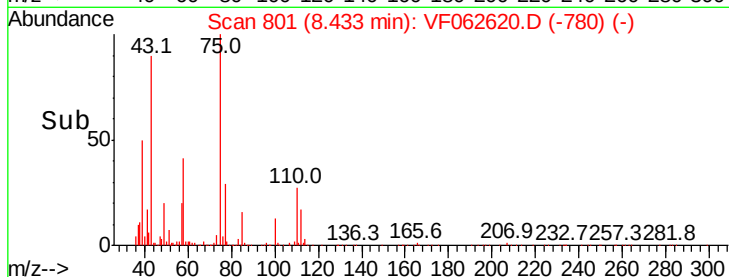
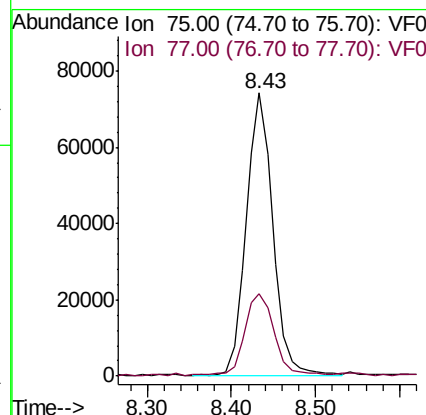
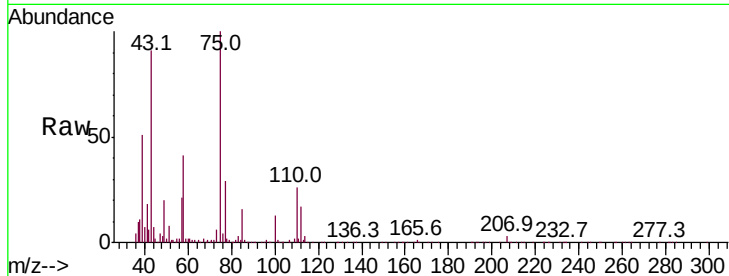
#53
 t-1,3-Dichloropropene
 Concen: 19.306 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.2	36.4

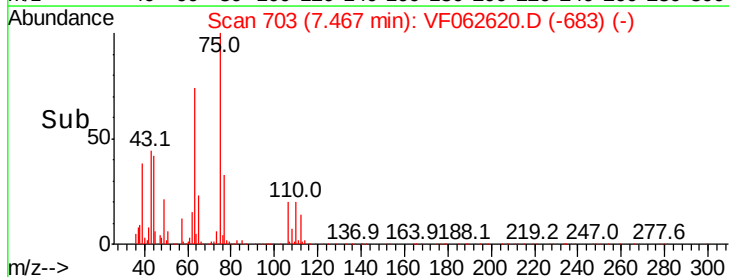
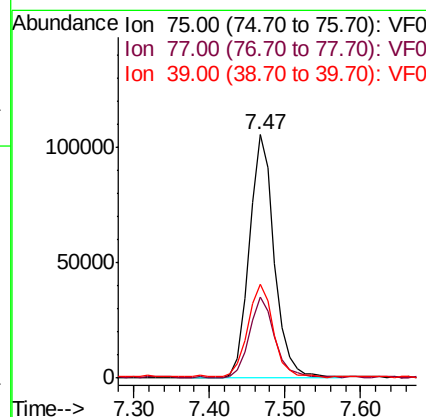
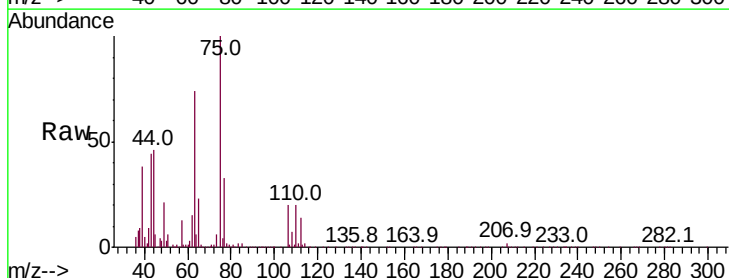
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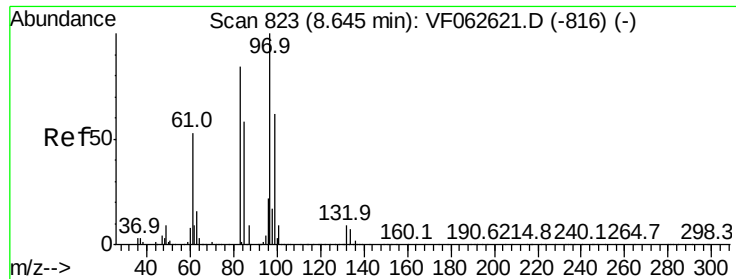
MMDadoda
 5/17/2019 4:20:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.361 ug/l
 RT: 7.47 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.3	37.9
39	38.4	28.2	42.2





#55

1,1,2-Trichloroethane

Concen: 20.238 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062620.D

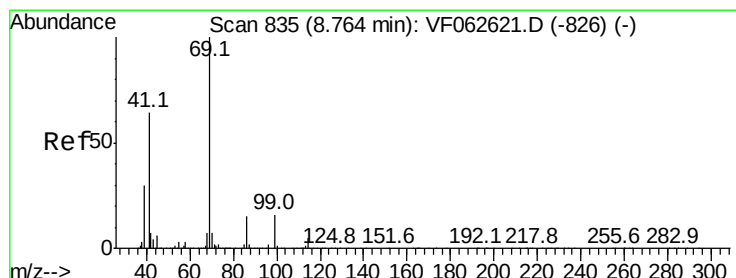
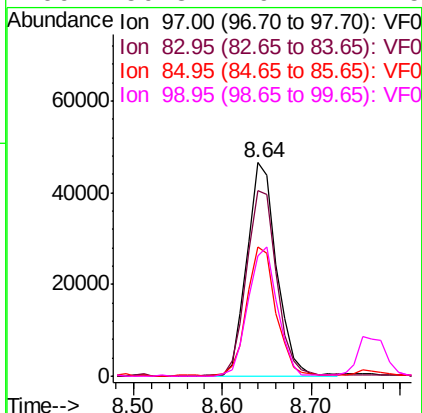
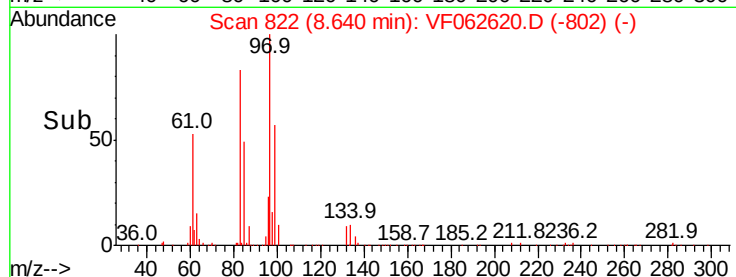
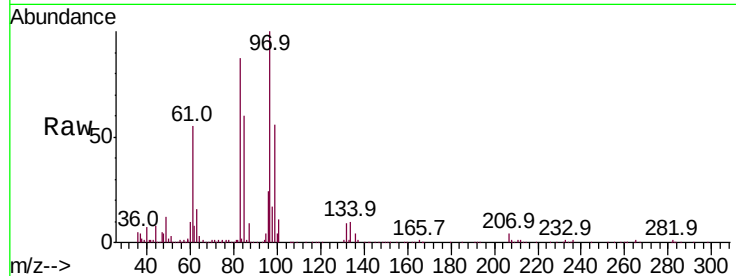
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	86.7	67.3	100.9		
85	60.4	46.6	69.8		
99	56.3	49.7	74.5		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.517 ug/l

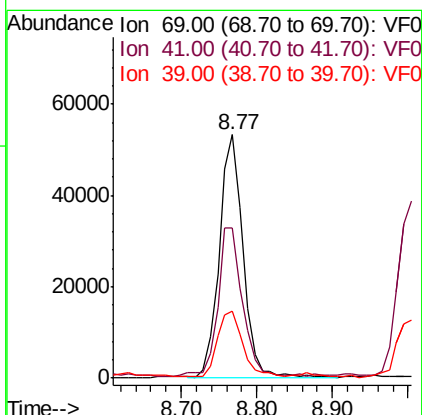
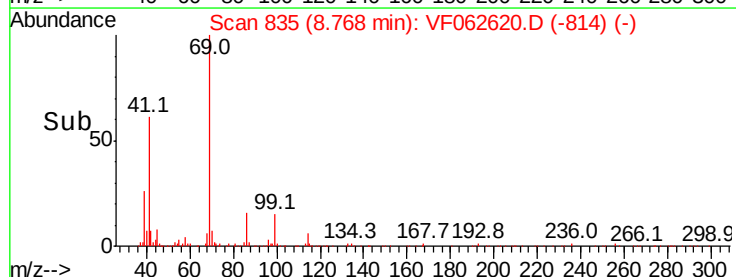
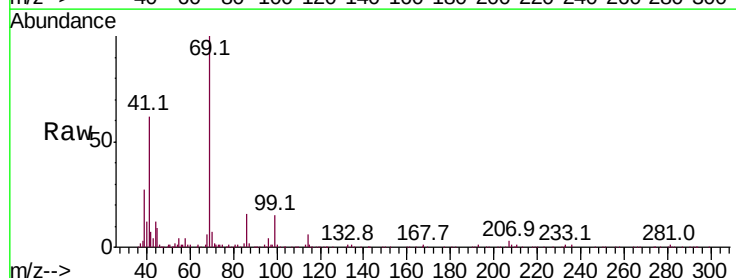
RT: 8.77 min Scan# 835

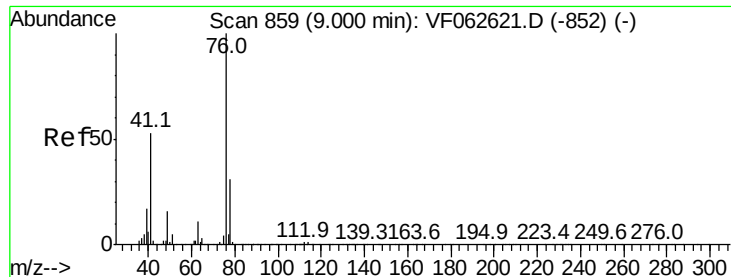
Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	61.6	51.4	77.2		
39	27.4	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 18.701 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062620.D

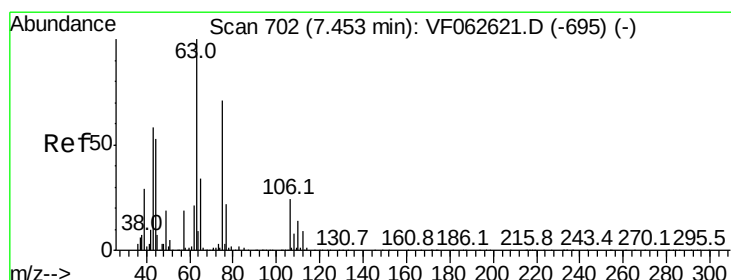
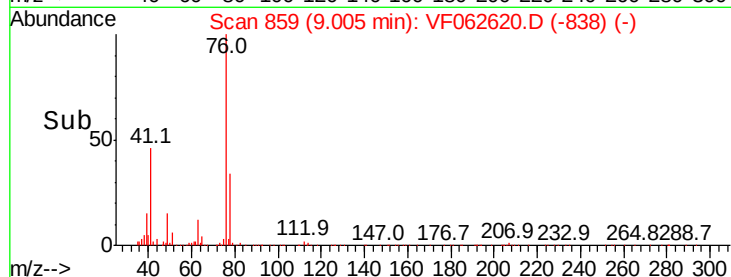
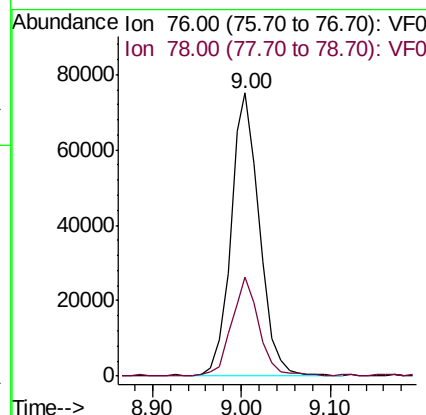
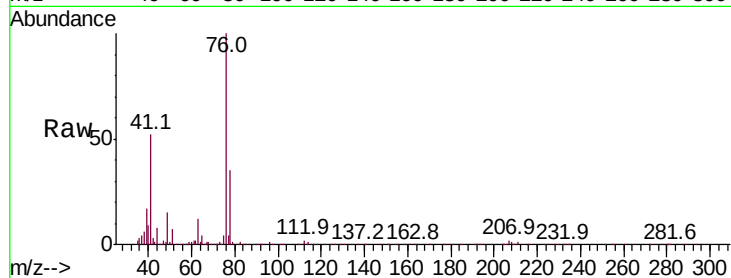
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.0	25.4	38.0

Manual Integrations
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5/17/2019 4:20:04 PM



#58

2-Chloroethyl Vinyl ether

Concen: 98.321 ug/l

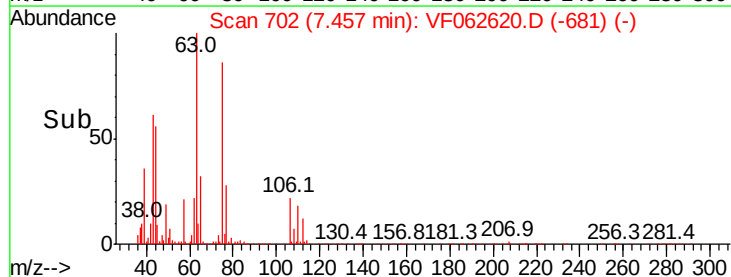
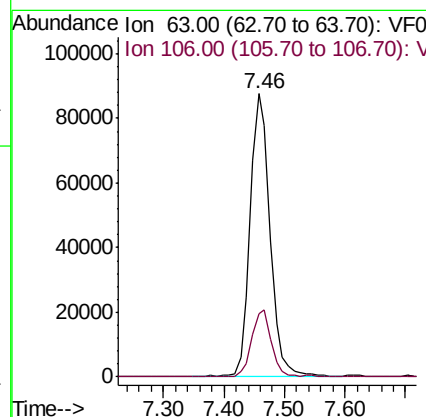
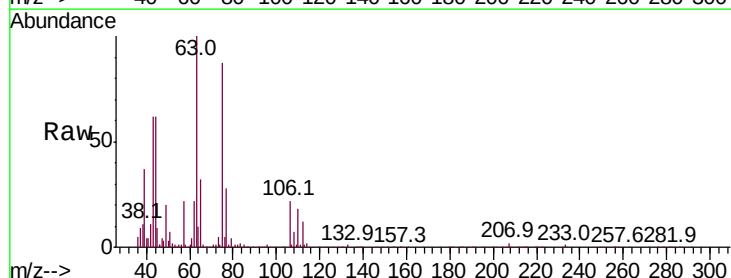
RT: 7.46 min Scan# 702

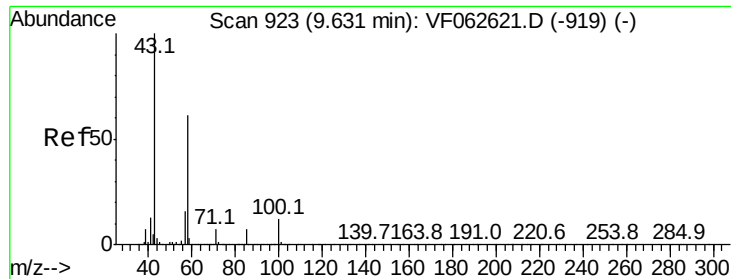
Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.2	19.1	28.7





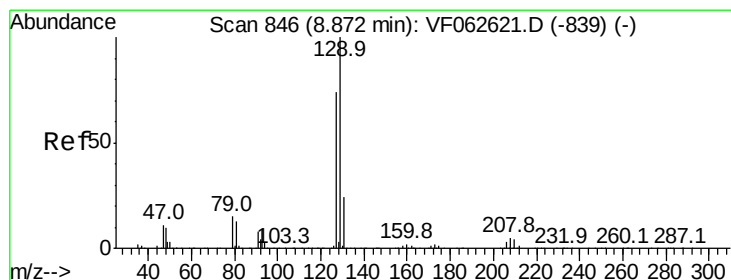
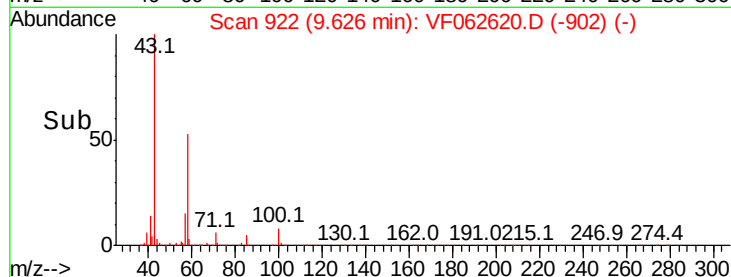
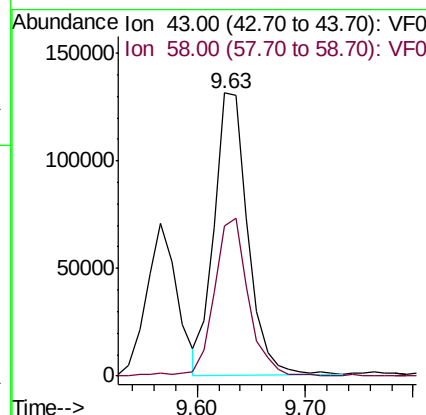
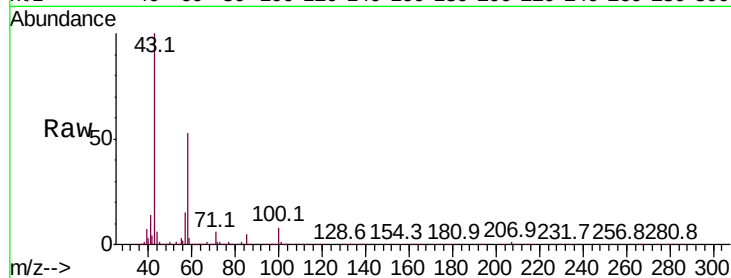
#59
2-Hexanone
Concen: 85.565 ug/l
RT: 9.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	28.1	84.4

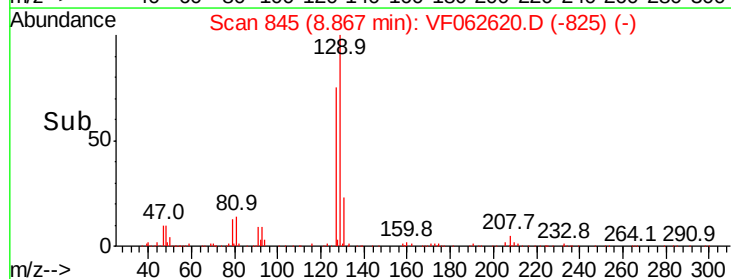
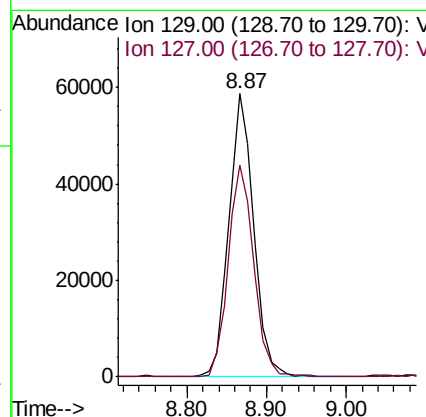
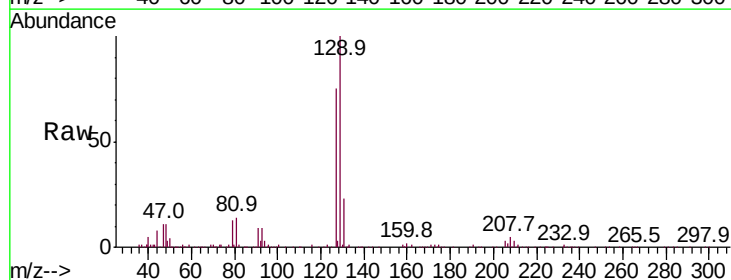
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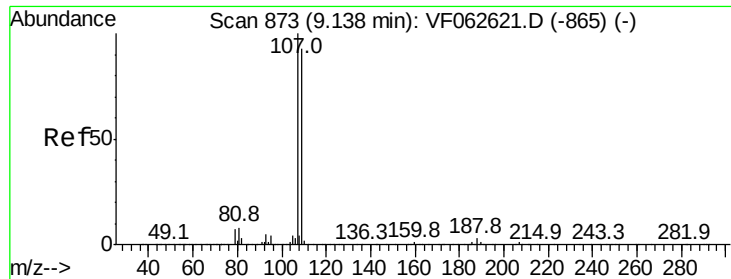
MMDadoda
5/17/2019 4:20:04 PM



#60
Dibromochloromethane
Concen: 18.799 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	37.2	111.6





#61

1,2-Dibromoethane

Concen: 18.580 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampled :

VSTDIC020

Tot Ion:107 Resp: 104431

Ion Ratio Lower Upper

107 100

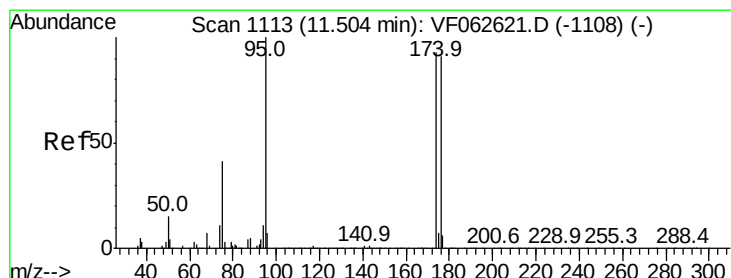
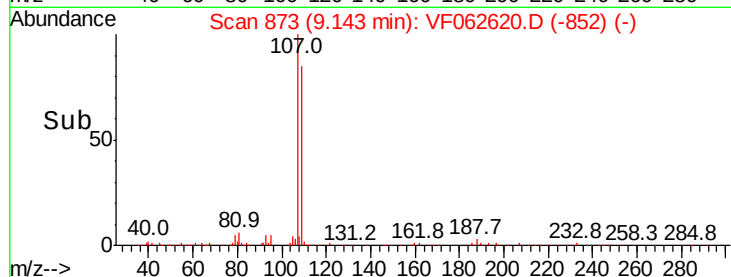
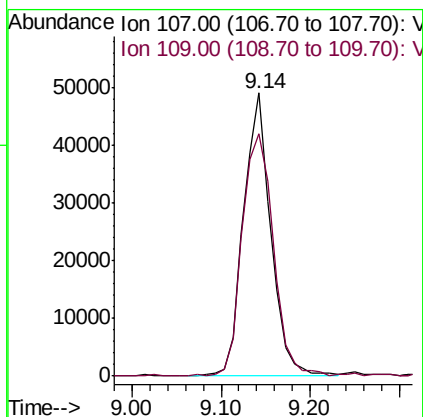
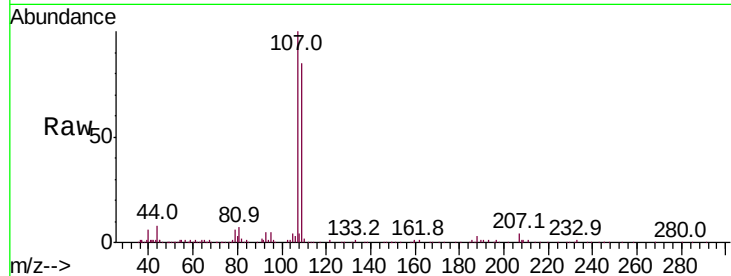
109 85.5 74.8 112.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 19.346 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

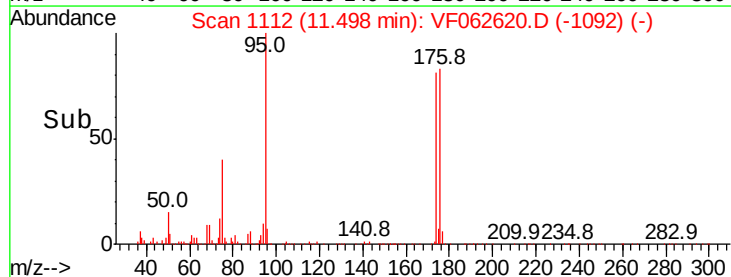
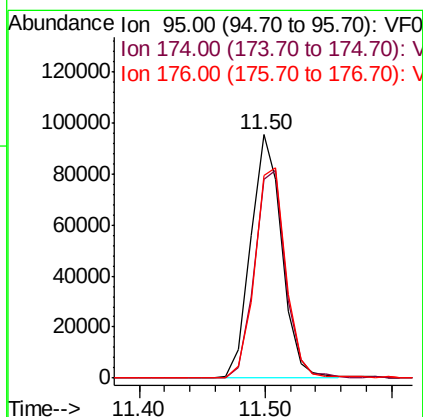
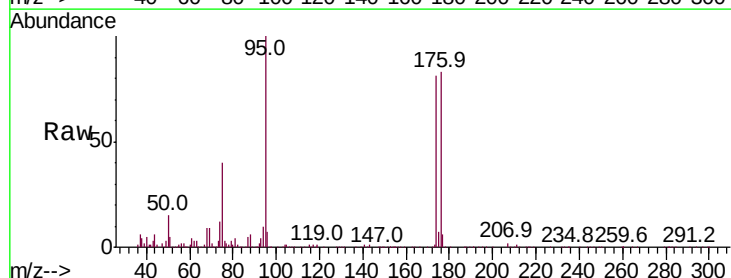
Tgt Ion: 95 Resp: 163645

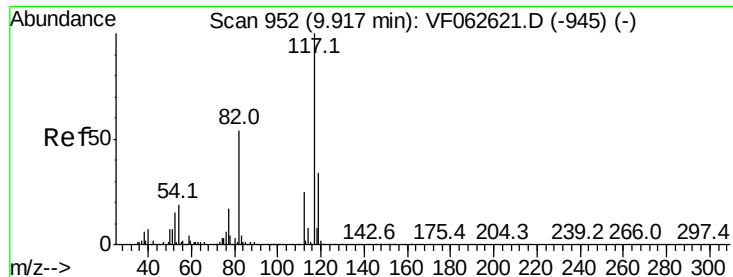
Ion Ratio Lower Upper

95 100

174 81.5 0.0 185.6

176 83.2 0.0 182.4





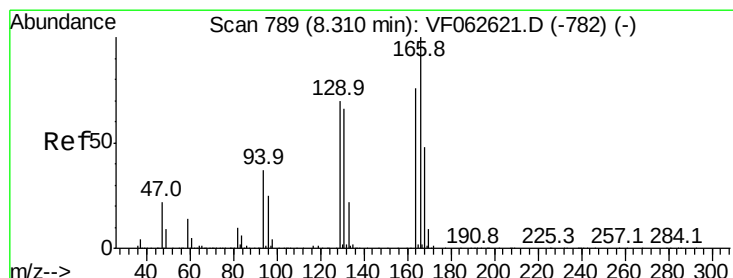
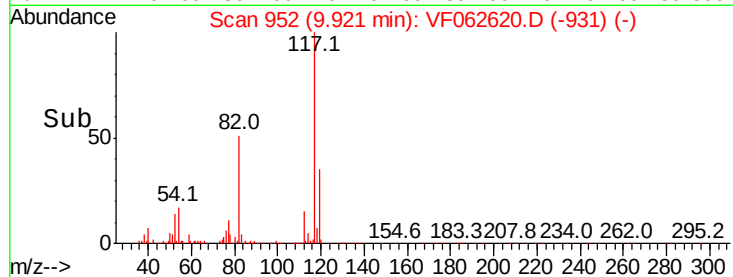
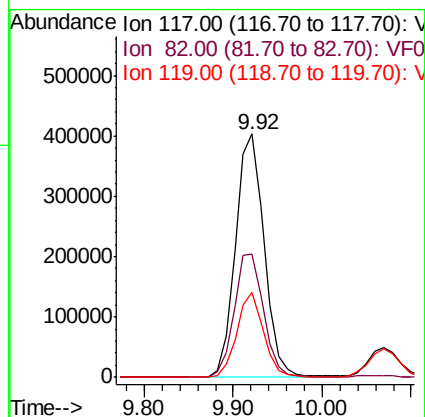
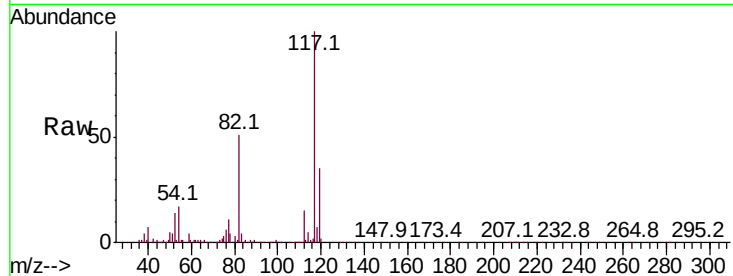
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	50.7	43.3	64.9	
119	35.1	27.4	41.0	

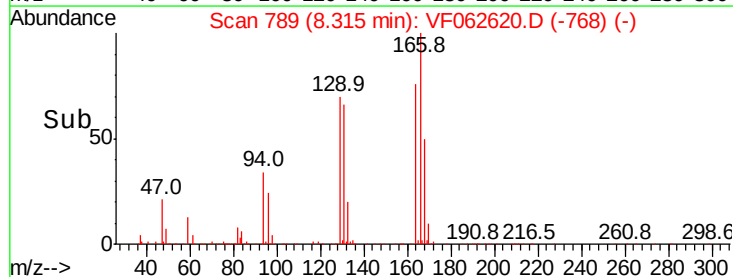
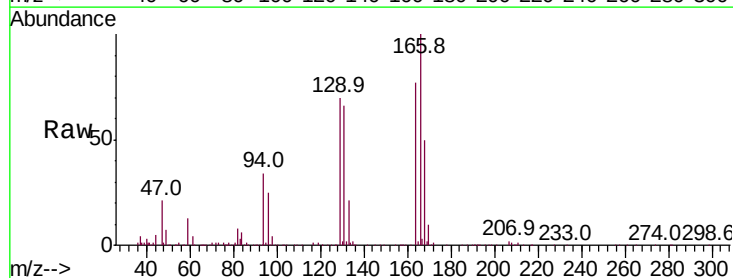
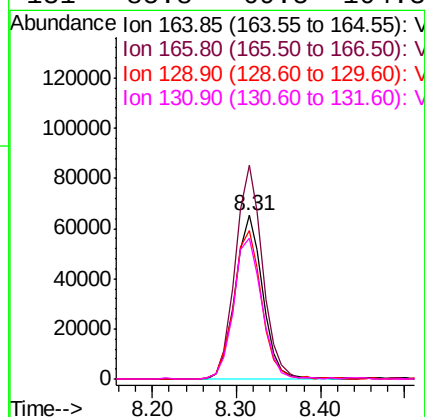
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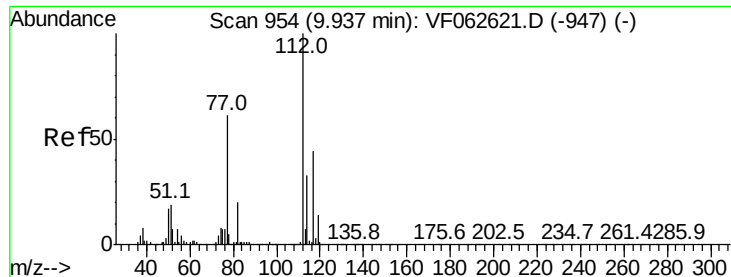
MMDadoda
5/17/2019 4:20:04 PM



#64
Tetrachloroethene
Concen: 20.752 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	130.5	105.5	158.3	
129	91.0	73.8	110.6	
131	85.8	69.5	104.3	





#65

Chlorobenzene

Concen: 20.415 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 364086

Ion Ratio Lower Upper

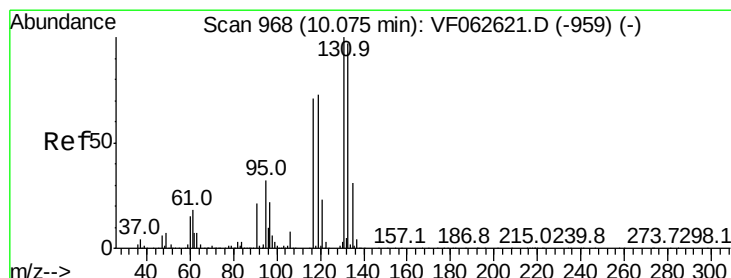
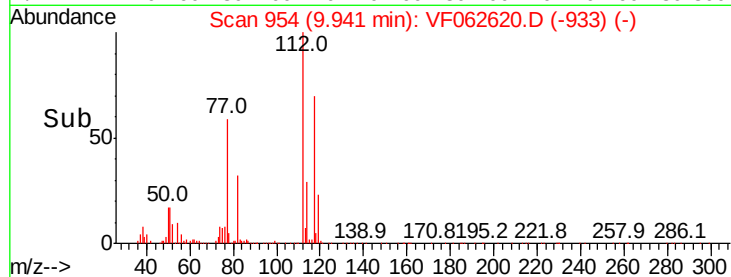
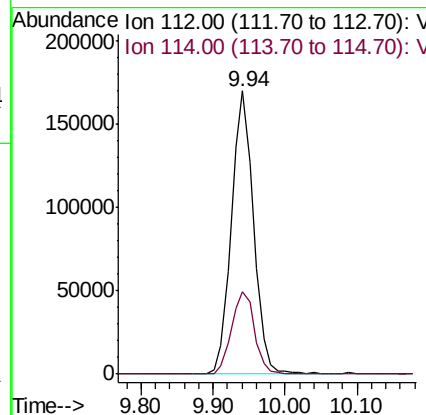
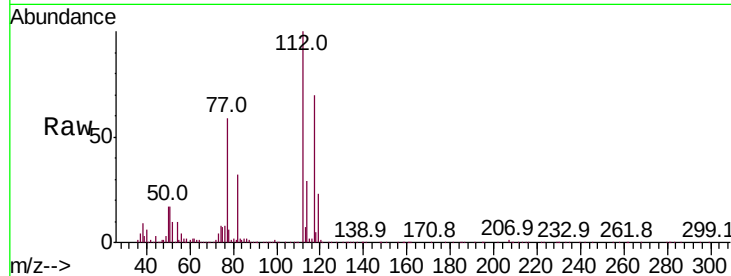
112 100

114 29.3 26.8 40.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.535 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

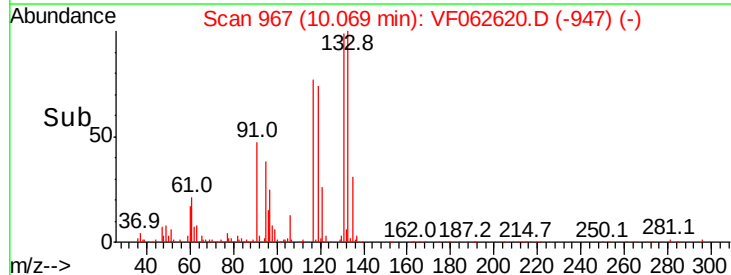
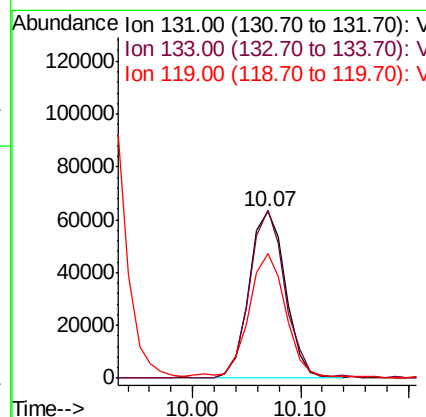
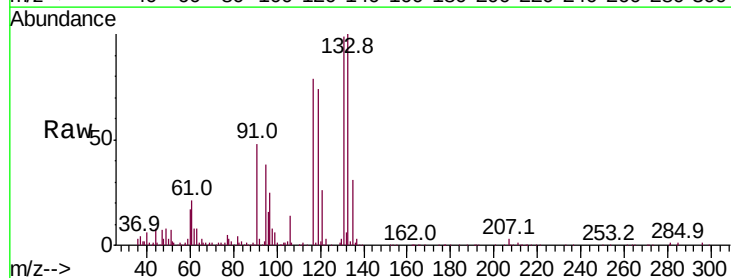
Tgt Ion:131 Resp: 147022

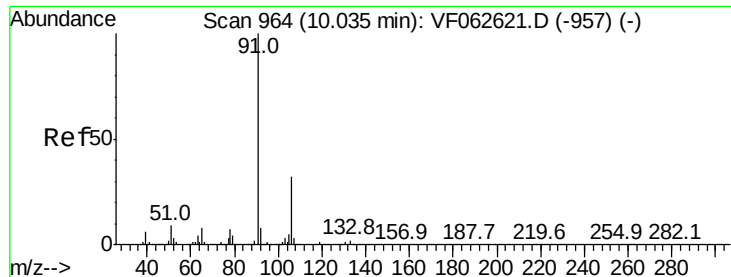
Ion Ratio Lower Upper

131 100

133 101.0 48.5 145.5

119 75.0 36.8 110.4





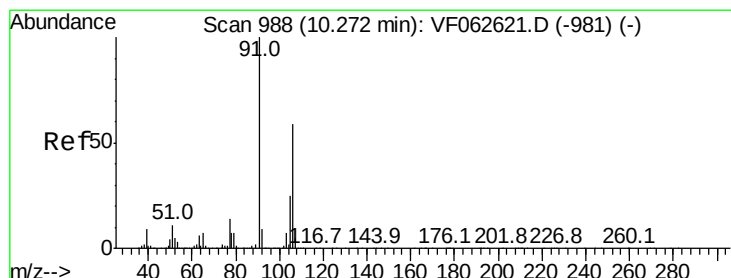
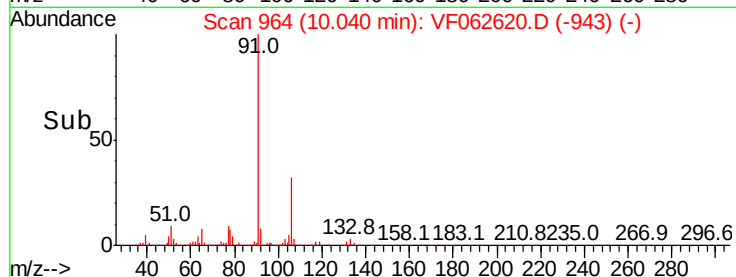
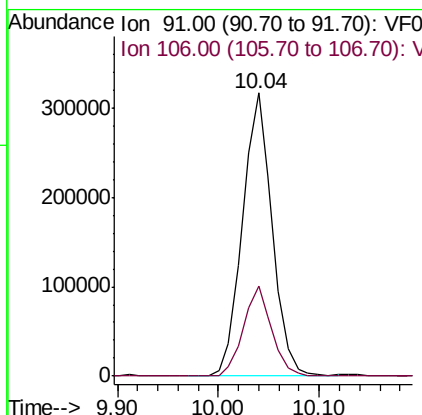
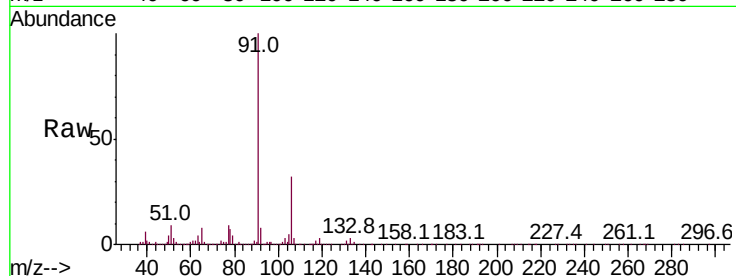
#67
Ethyl Benzene
Concen: 20.936 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.8	38.8

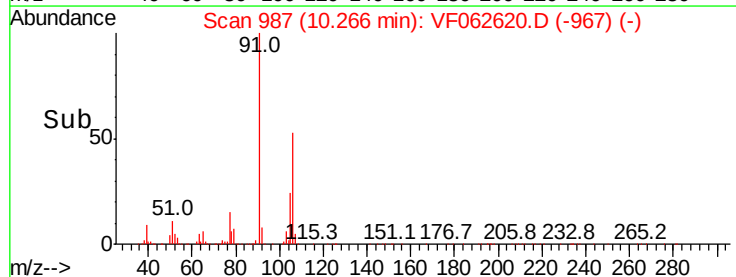
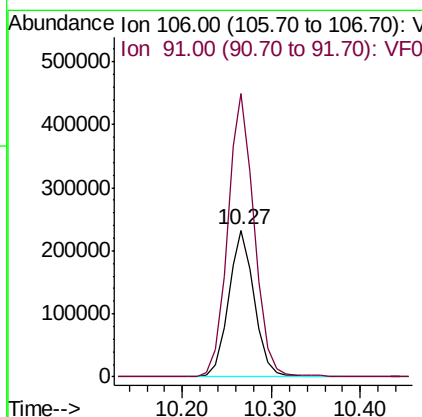
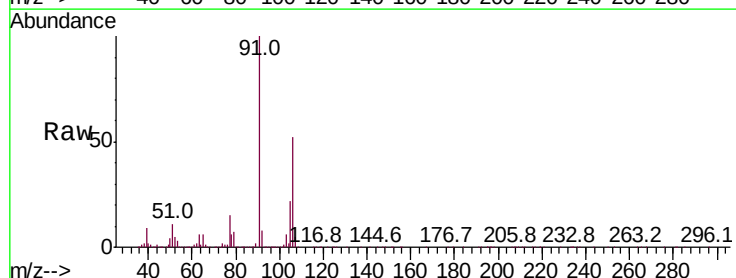
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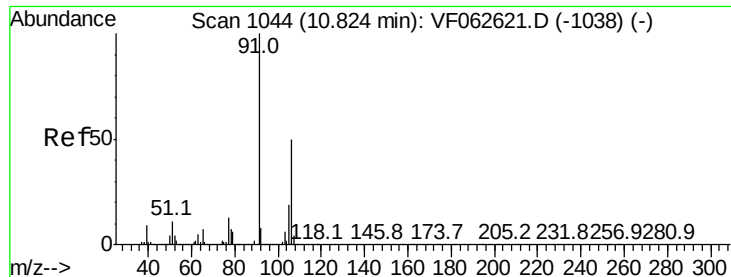
MMDadoda
5/17/2019 4:20:04 PM



#68
m/p-Xylenes
Concen: 40.241 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.9	136.9	205.3





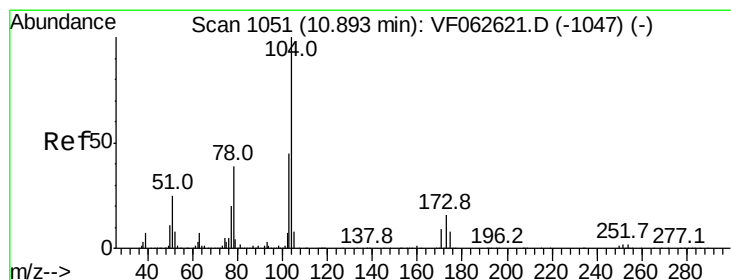
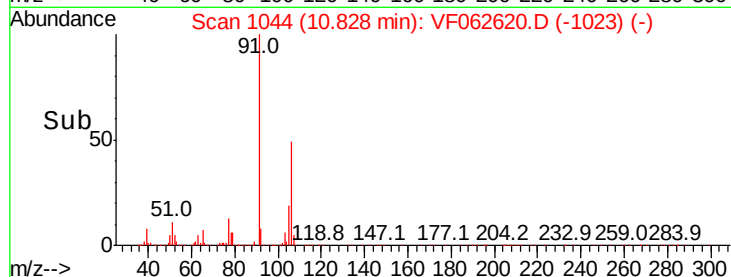
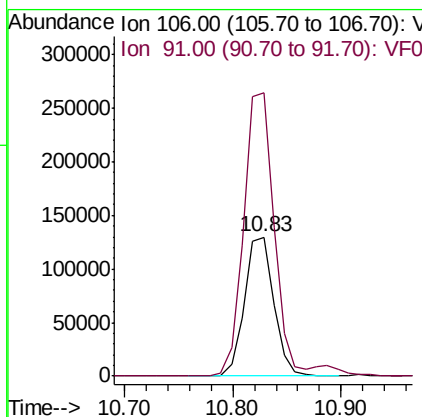
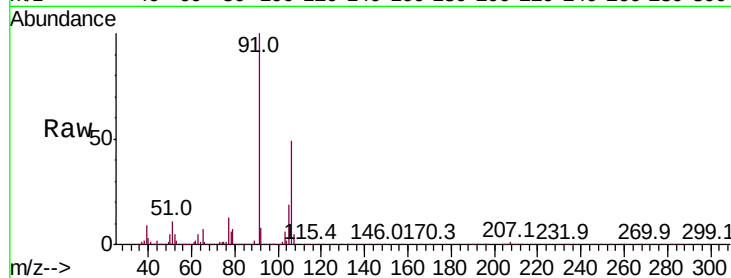
#69
o-Xylene
Concen: 20.390 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.7	100.2	300.5

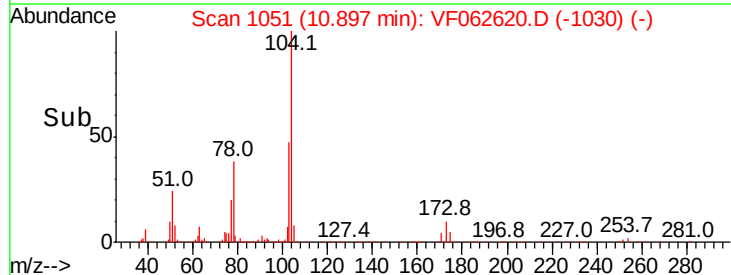
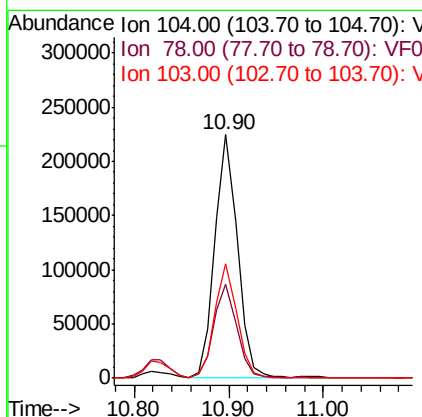
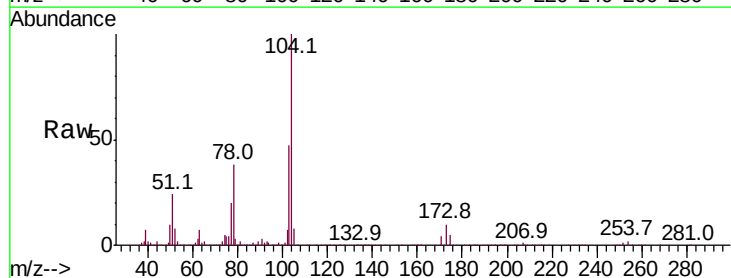
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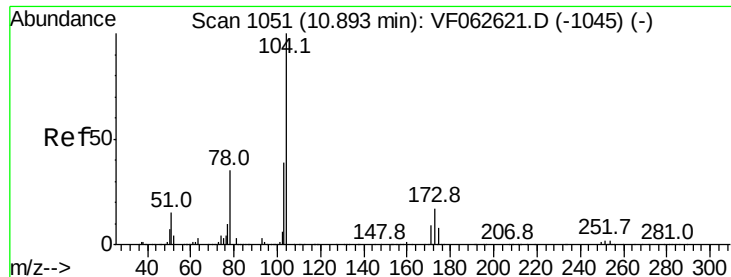
MMDadoda
5/17/2019 4:20:04 PM



#70
Styrene
Concen: 20.592 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.5	31.9	47.9
103	47.2	36.1	54.1





#71

Bromoform

Concen: 19.756 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 70842

Ion Ratio Lower Upper

173 100

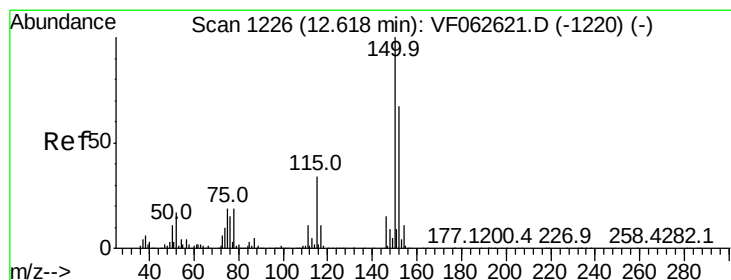
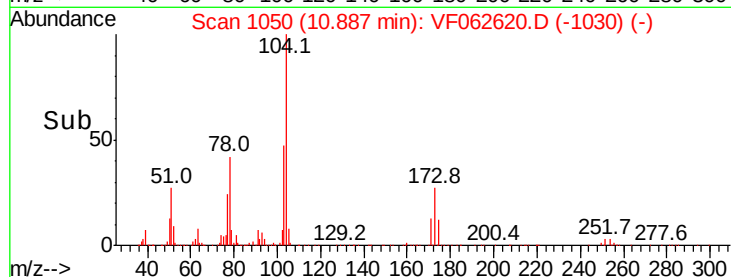
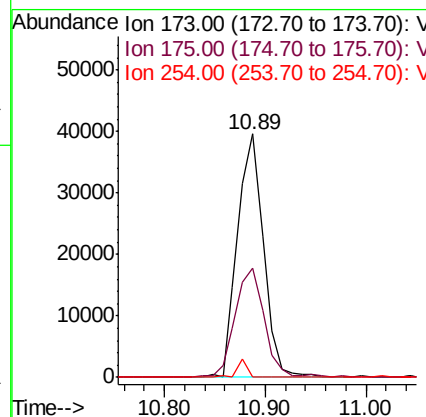
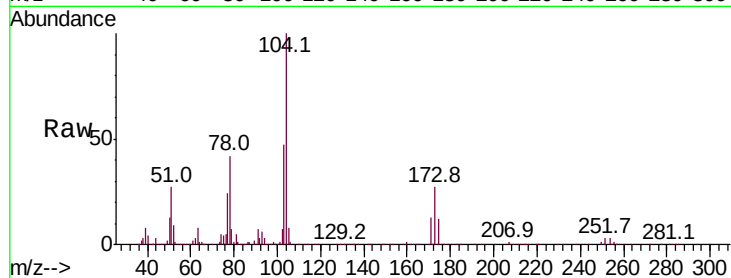
175 45.0 25.3 75.9

254 0.3 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

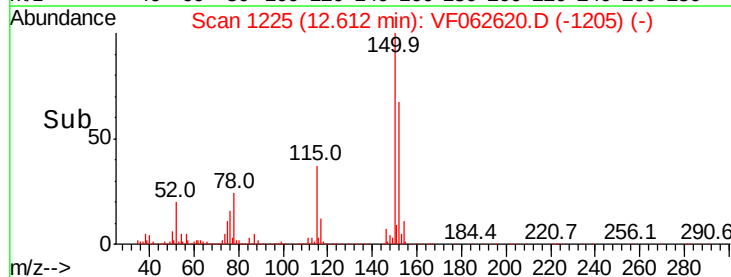
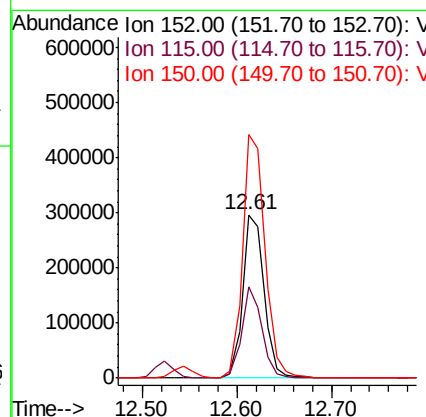
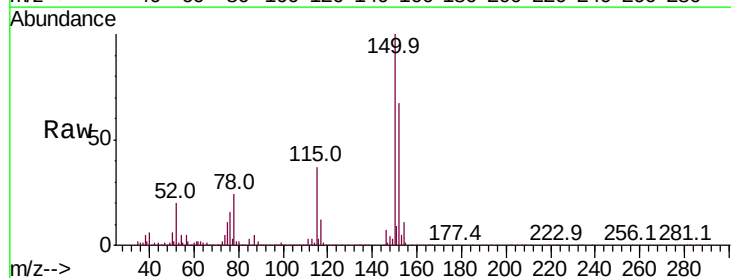
Tgt Ion:152 Resp: 465547

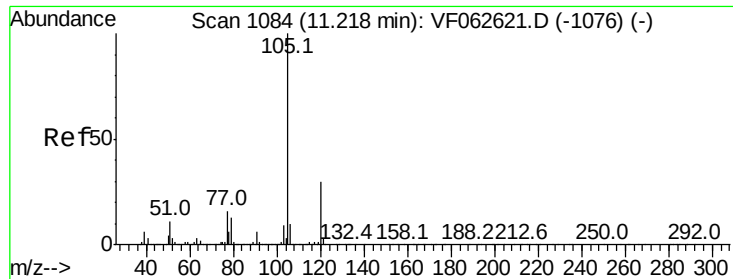
Ion Ratio Lower Upper

152 100

115 55.6 25.2 75.6

150 148.8 0.0 306.2





#73

Isopropylbenzene

Concen: 21.382 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 713444

Ion Ratio Lower Upper

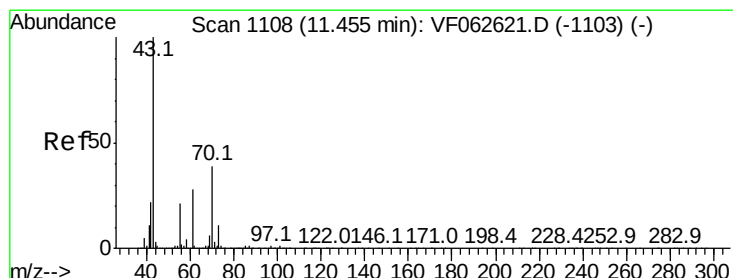
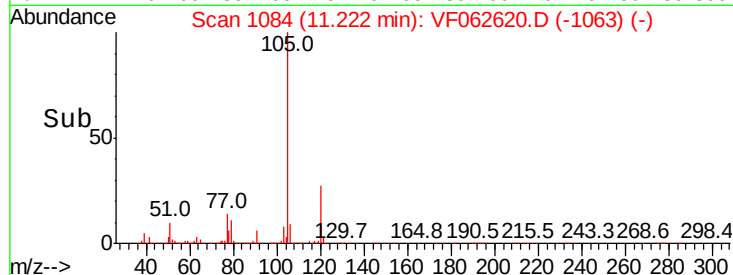
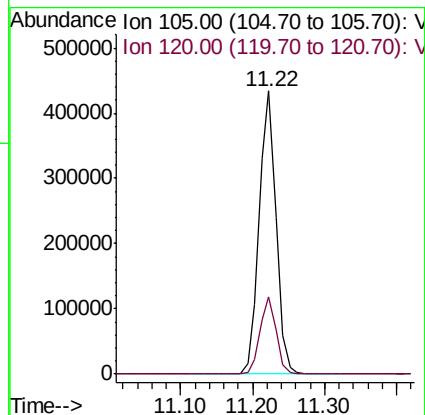
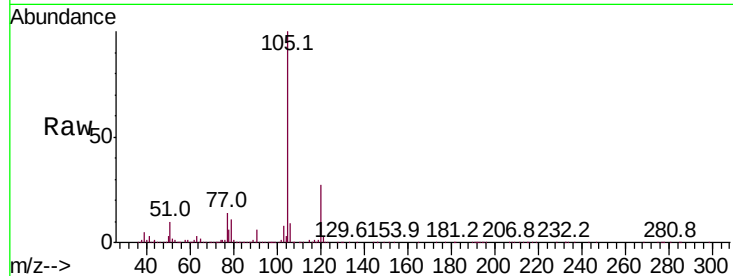
105 100

120 27.2 14.8 44.4

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#74

N-ethyl acetate

Concen: 17.686 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion: 43 Resp: 182056

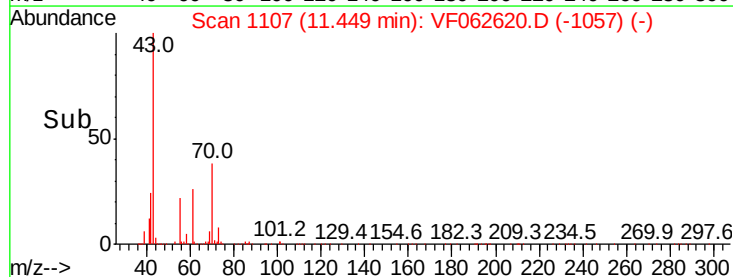
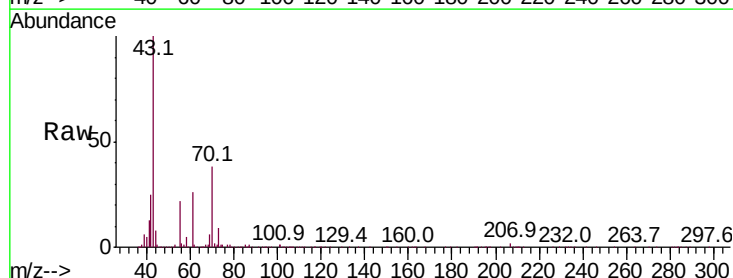
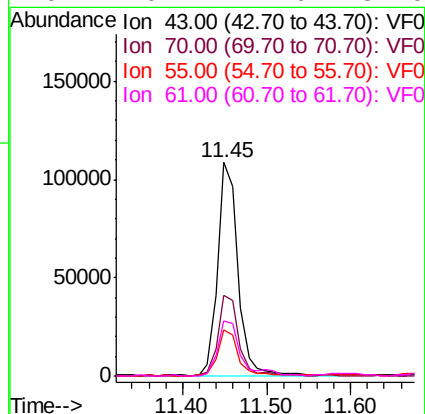
Ion Ratio Lower Upper

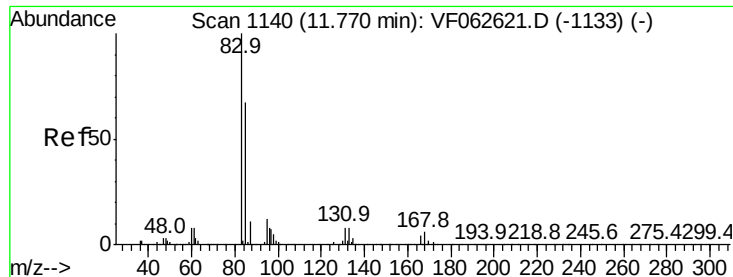
43 100

70 37.7 30.9 46.3

55 21.9 17.0 25.4

61 26.1 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.623 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

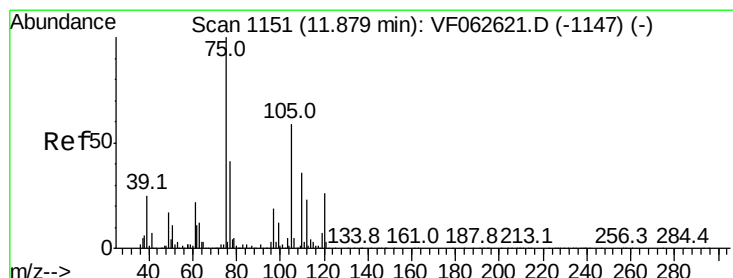
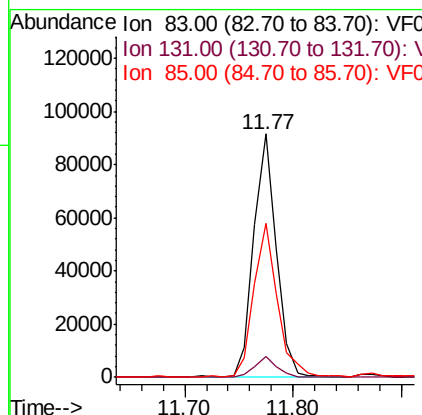
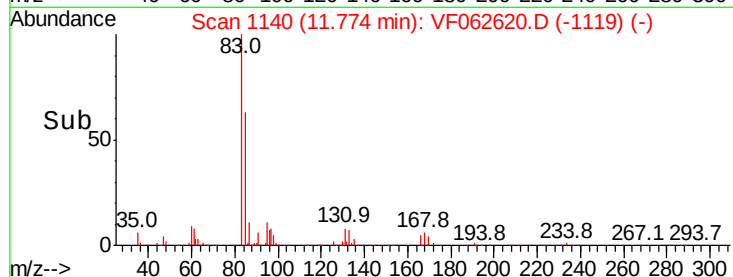
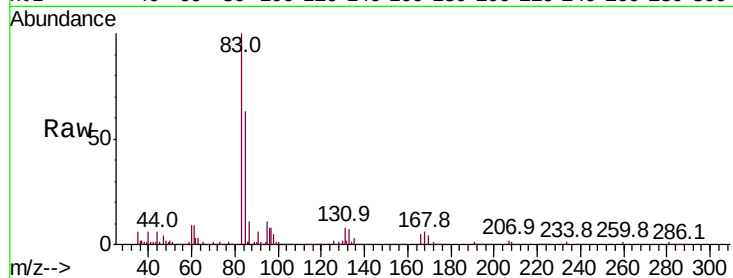
VSTDIC020

Tot Ion:	83	Resp:	133809
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.0	12.0
85	63.3	33.5	100.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.546 ug/l

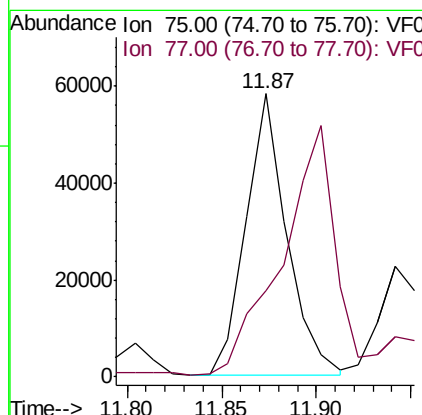
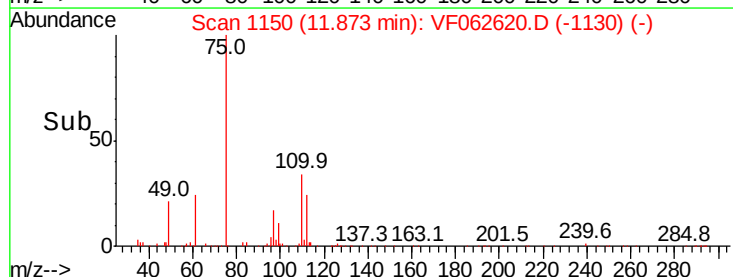
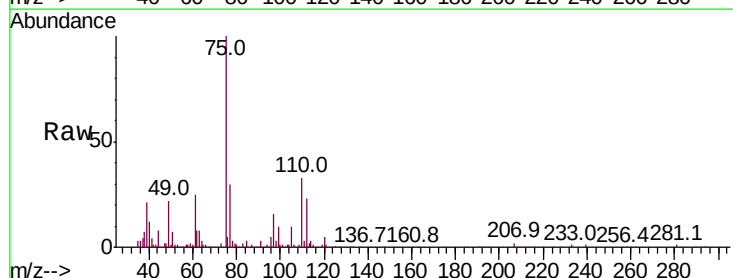
RT: 11.87 min Scan# 1150

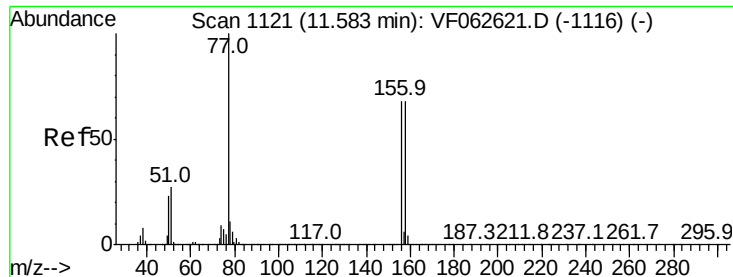
Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	75	Resp:	87577
Ion Ratio	Lower	Upper	
75	100		
77	30.3	20.6	61.8





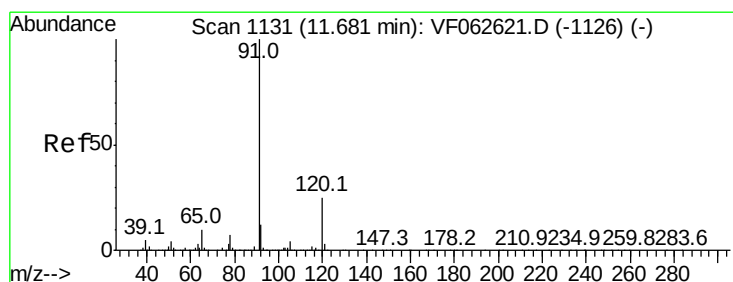
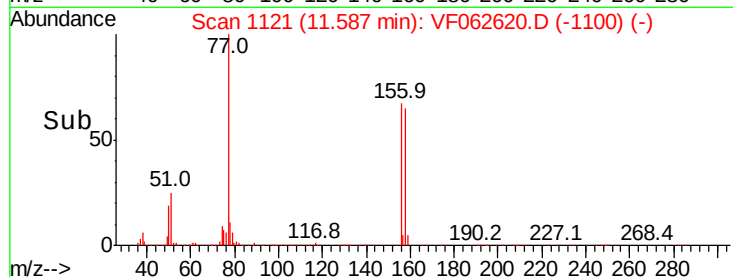
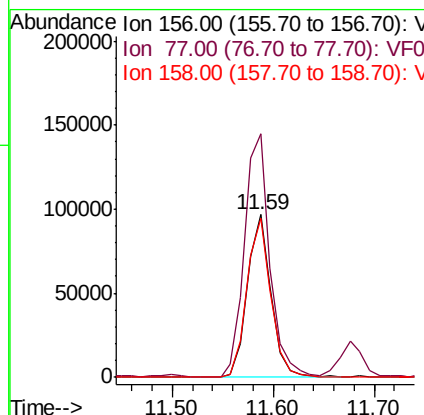
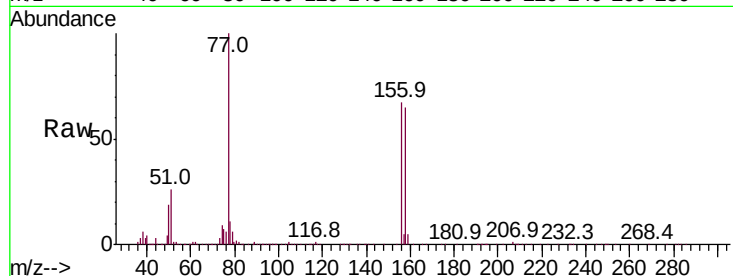
#77
Bromobenzene
Concen: 19.099 ug/l
RT: 11.59 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
156	100	158405		
77	149.9	73.6	220.8	
158	97.7	49.6	148.8	

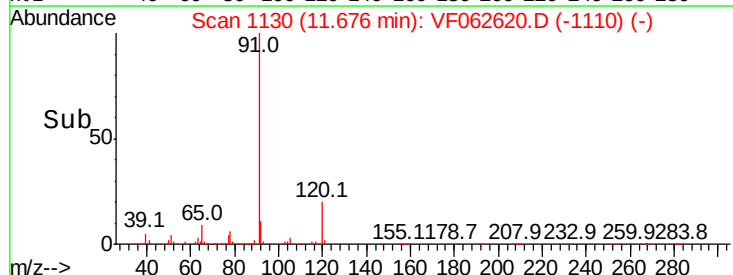
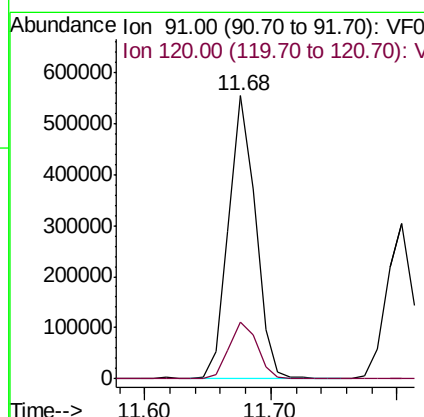
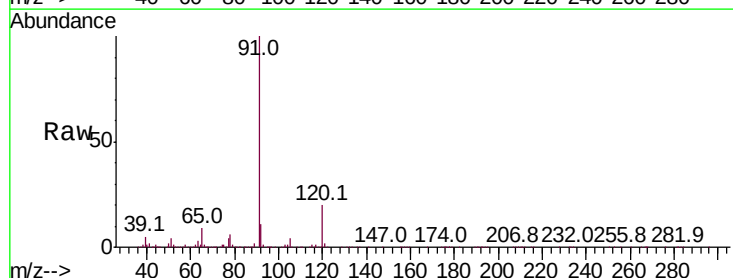
Manual Integrations
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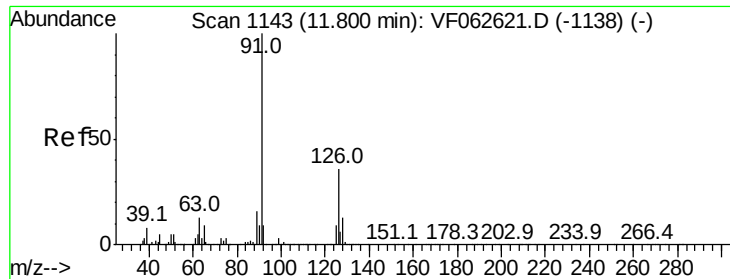
MMDadoda
5/17/2019 4:20:04 PM



#78
n-propylbenzene
Concen: 20.707 ug/l
RT: 11.68 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	817681		
120	20.0	12.7	38.1	





#79

2-Chlorotoluene

Concen: 20.216 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 449900

Ion Ratio Lower Upper

91 100

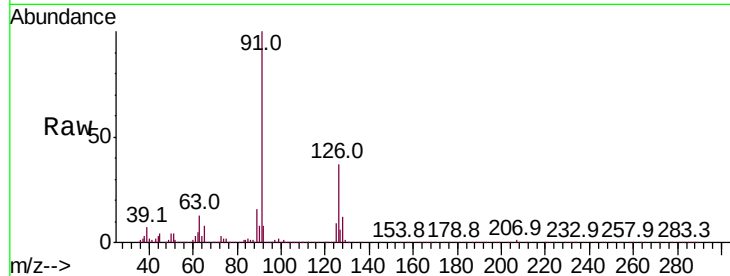
126 36.6 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF062620.D (-1138) (-)

Ion 126.00 (125.70 to 126.70): VF062620.D (-1138) (-)

11.80

300000

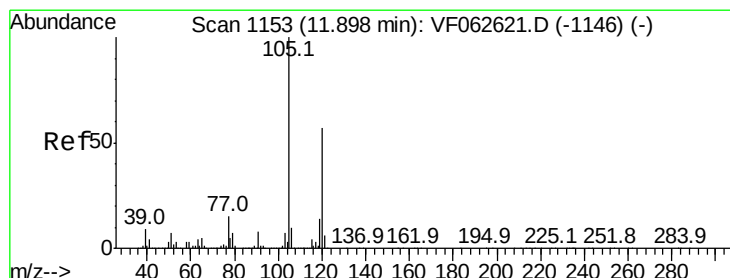
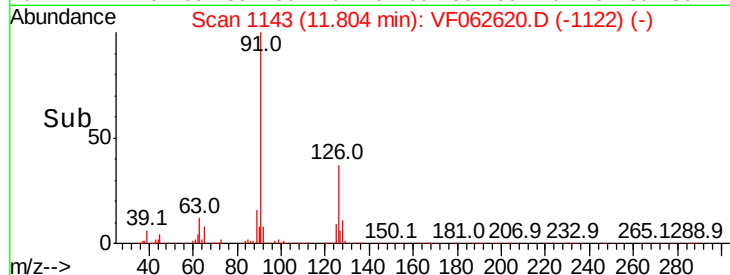
200000

100000

0

11.75 11.80 11.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.053 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062620.D

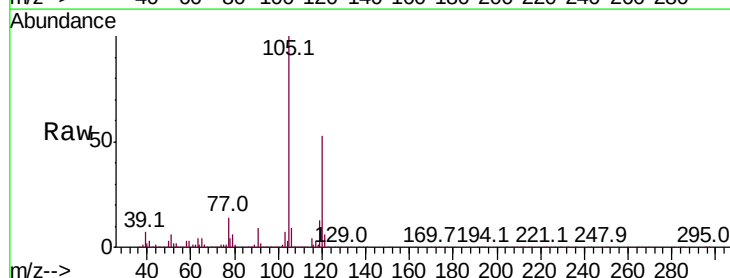
Acq: 16 May 2019 11:32

Tgt Ion: 105 Resp: 563277

Ion Ratio Lower Upper

105 100

120 53.2 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): VF062620.D (-1146) (-)

Ion 120.00 (119.70 to 120.70): VF062620.D (-1146) (-)

11.90

400000

300000

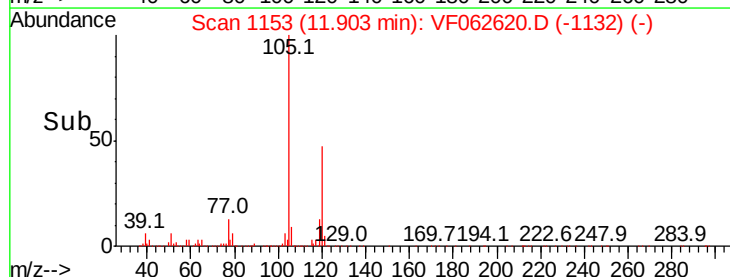
200000

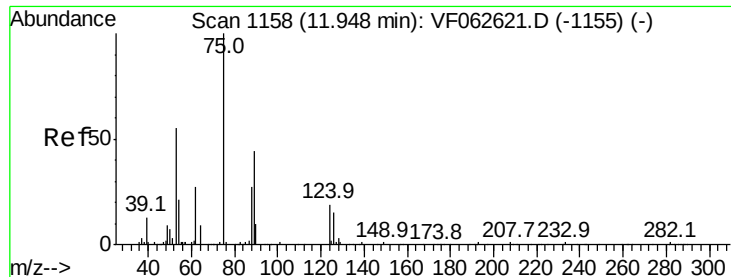
100000

0

11.80 11.90 12.00

Time-->





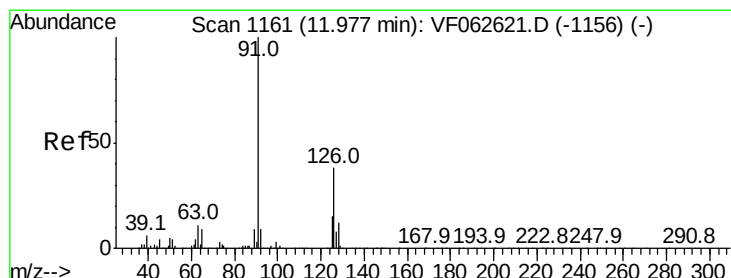
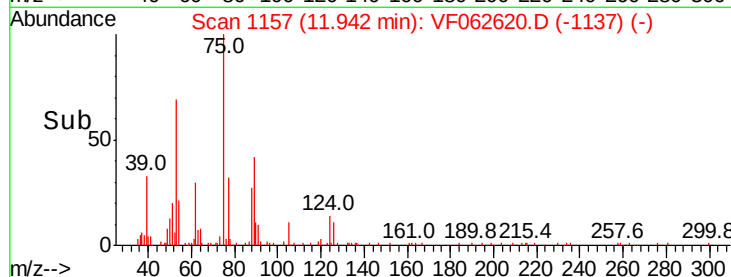
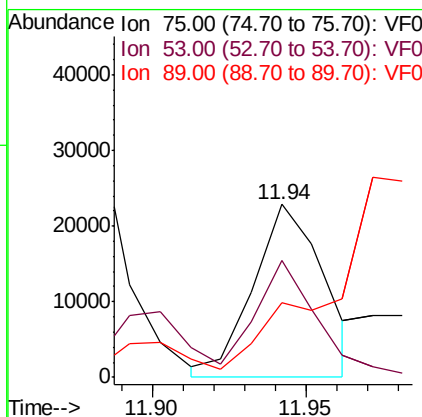
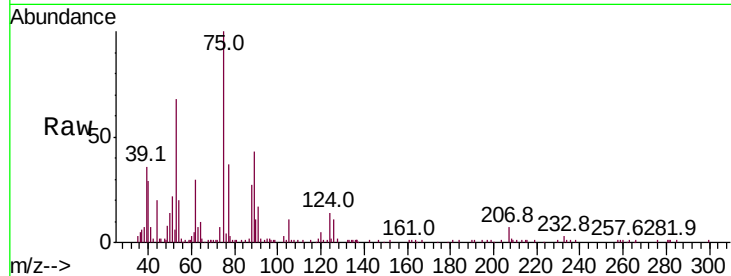
#81
trans-1,4-Dichloro-2-butene
Concen: 14.713 ug/l m
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	67.9	46.9	70.3
89	43.3	36.4	54.6

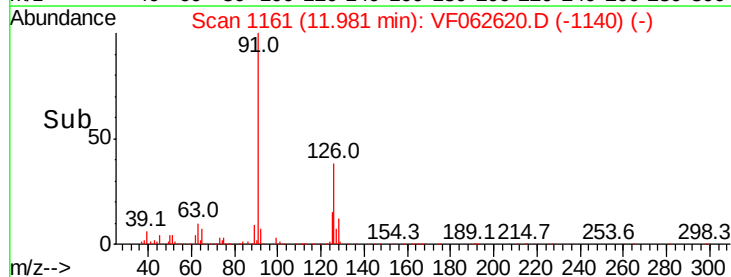
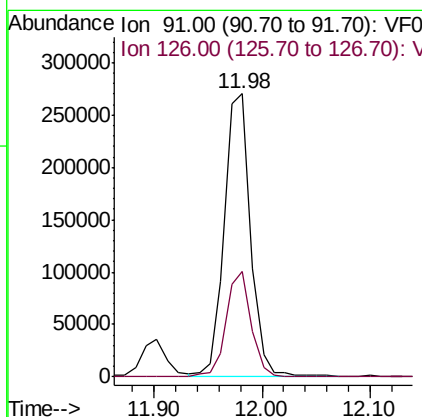
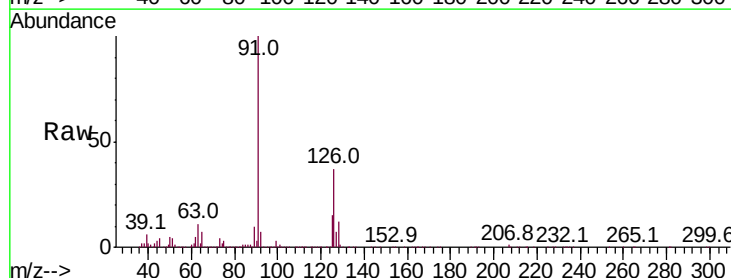
Manual Integrations
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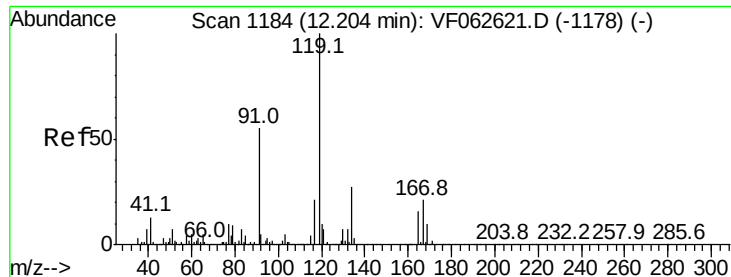
MMDadoda
5/17/2019 4:20:04 PM



#82
4-Chlorotoluene
Concen: 20.682 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.3	19.1	57.1





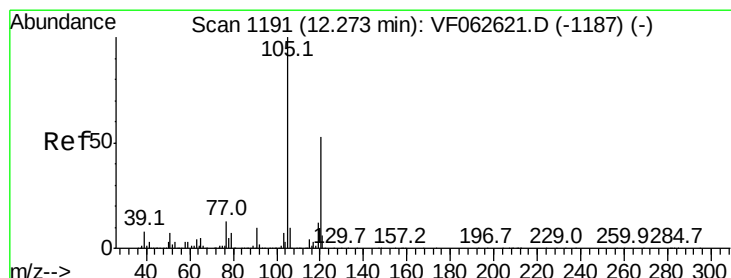
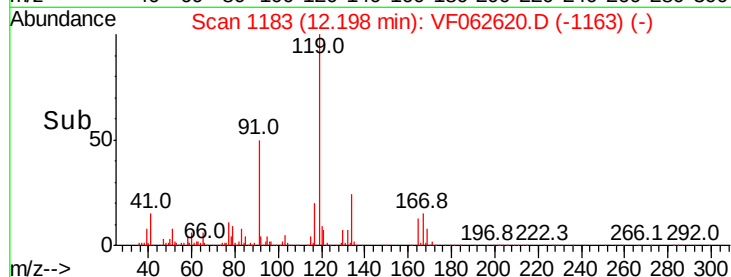
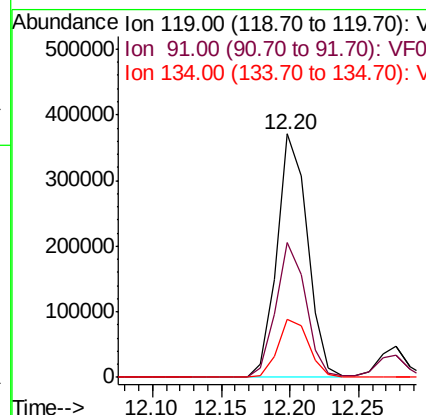
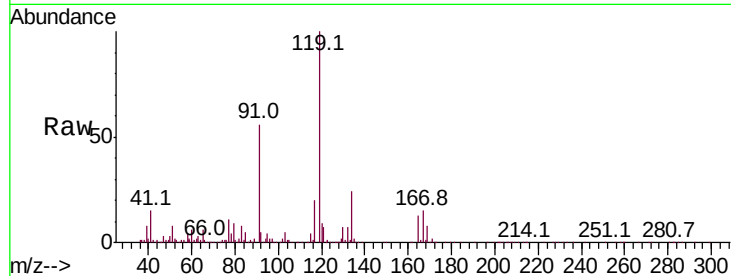
#83
 tert-Butylbenzene
 Concen: 21.018 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC020

Tot Ion	119	Resp	570504
Ion Ratio	Lower	Upper	
119	100		
91	55.6	27.3	81.9
134	23.9	13.6	40.7

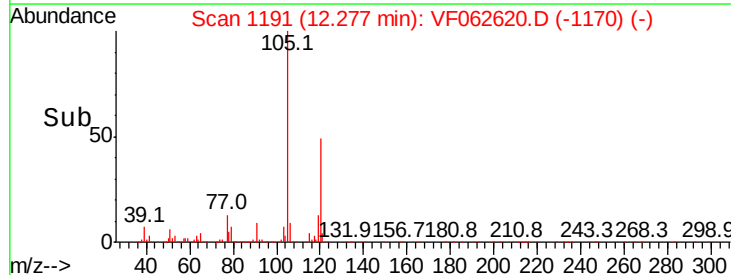
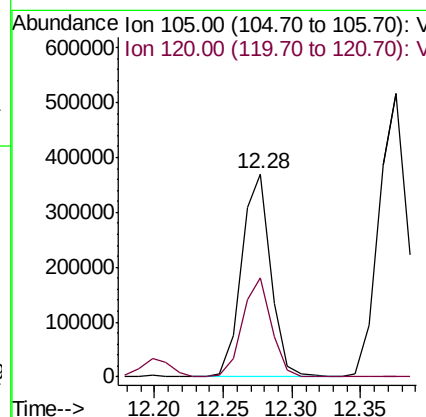
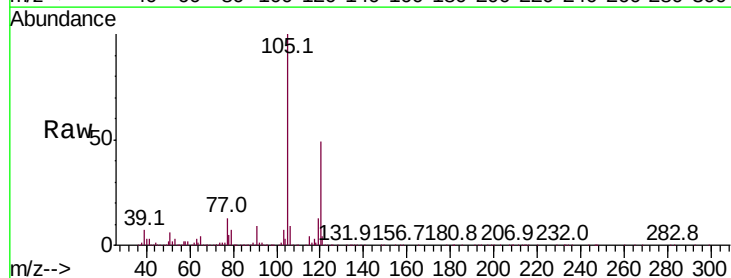
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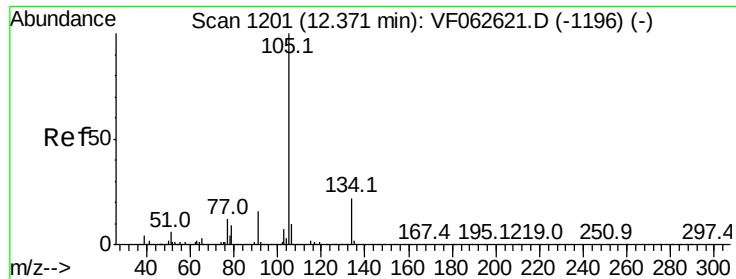
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.038 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062620.D
 Acq: 16 May 2019 11:32

Tgt Ion	105	Resp	544773
Ion Ratio	Lower	Upper	
105	100		
120	48.7	26.7	80.1





#85

sec-Butylbenzene

Concen: 20.635 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 751700

Ion Ratio Lower Upper

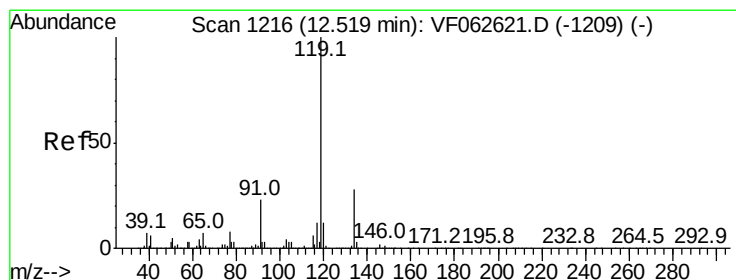
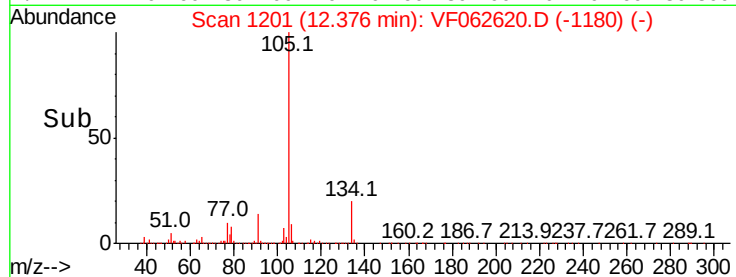
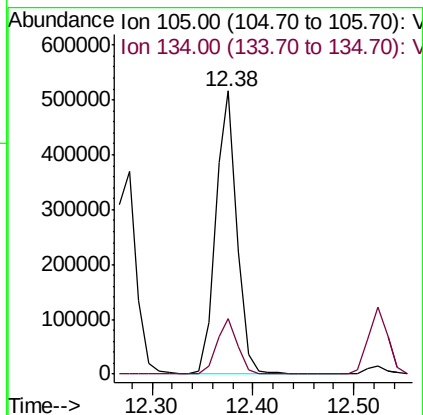
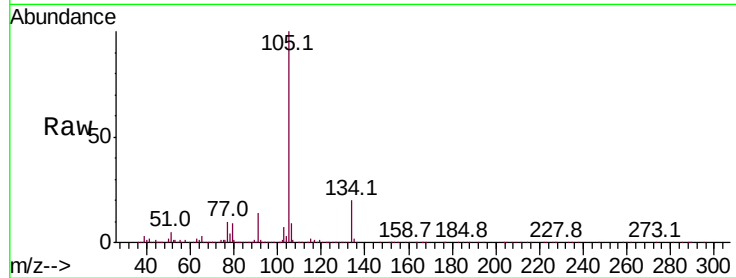
105 100

134 19.7 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 20.880 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

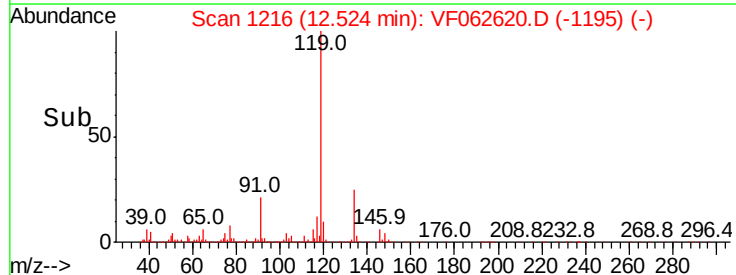
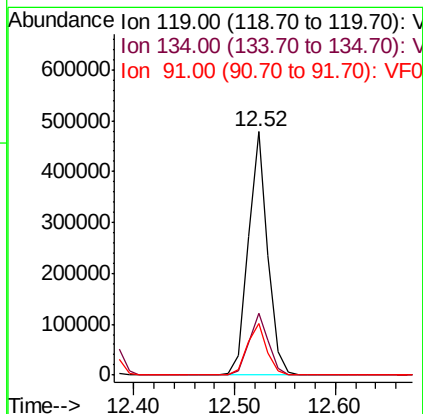
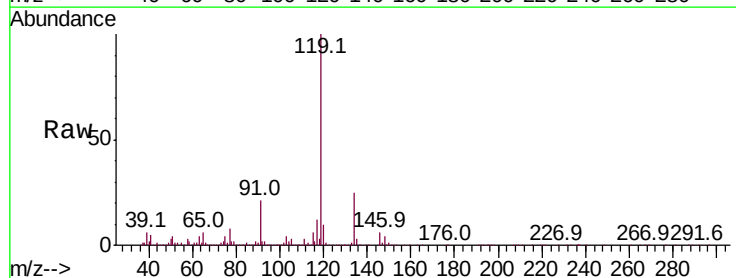
Tgt Ion:119 Resp: 641018

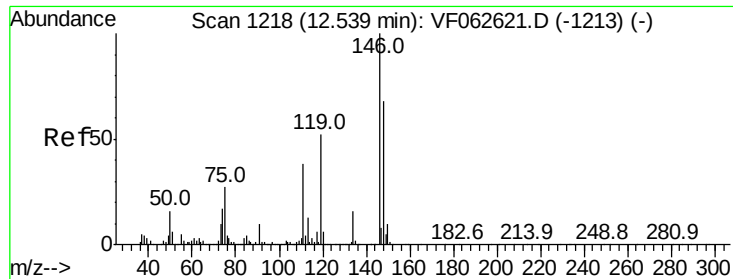
Ion Ratio Lower Upper

119 100

134 25.4 14.1 42.3

91 21.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.096 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

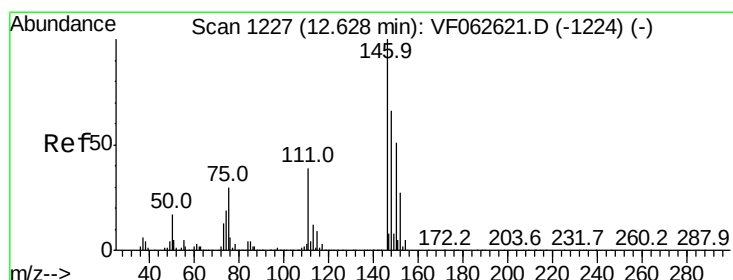
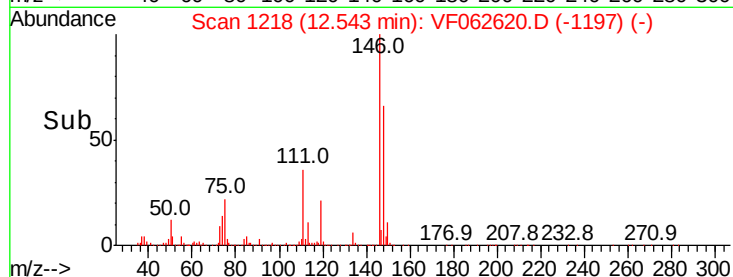
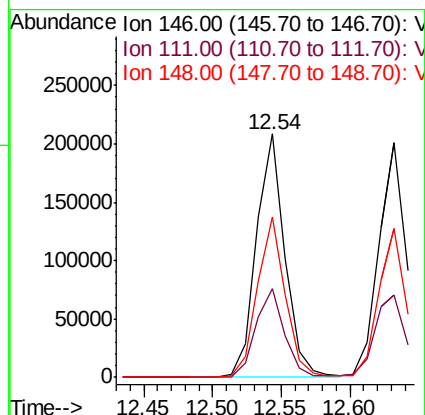
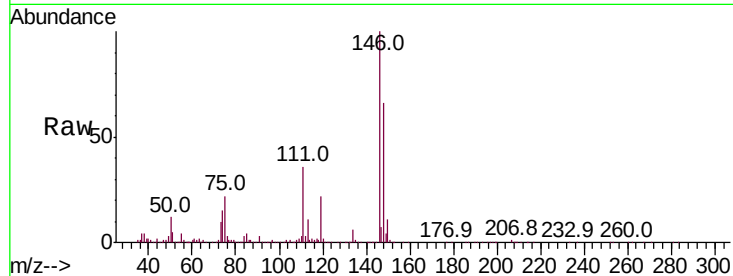
VSTDIC020

Tot Ion:	146	Resp:	301547
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.9	56.9
148	65.9	34.0	101.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.169 ug/l

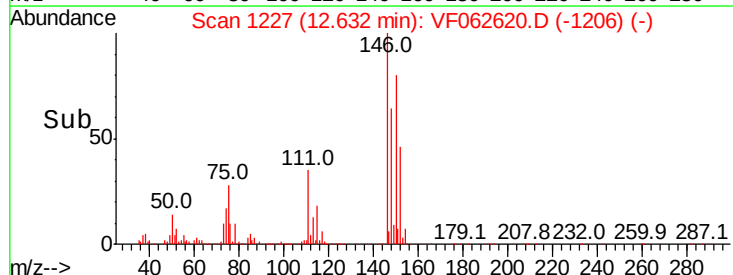
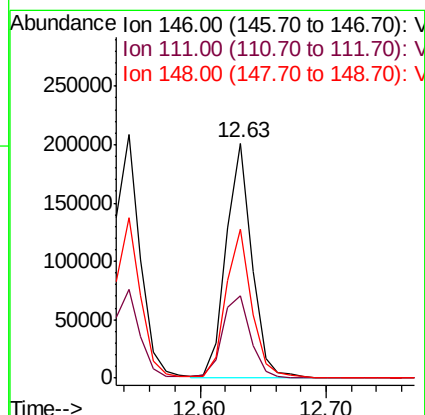
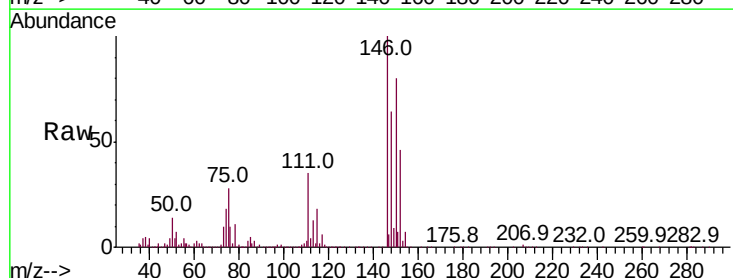
RT: 12.63 min Scan# 1227

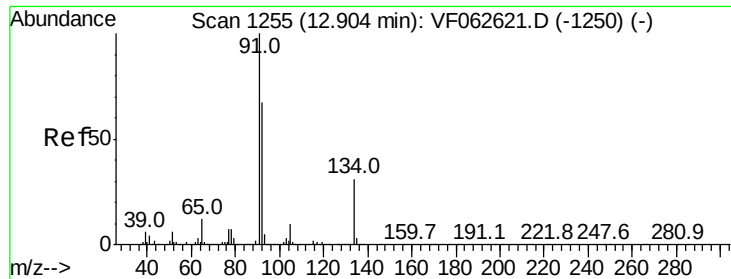
Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	146	Resp:	284014
Ion Ratio	Lower	Upper	
146	100		
111	34.8	19.4	58.2
148	63.6	33.2	99.6





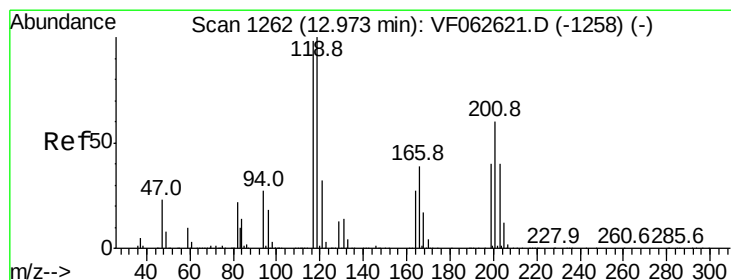
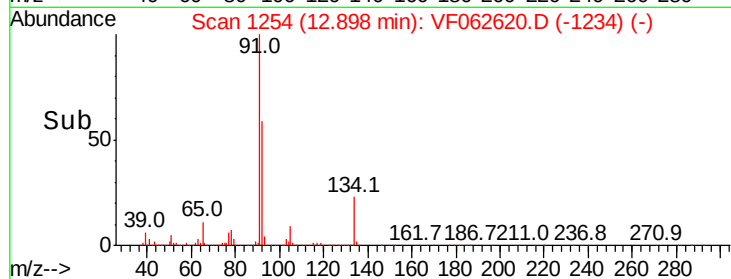
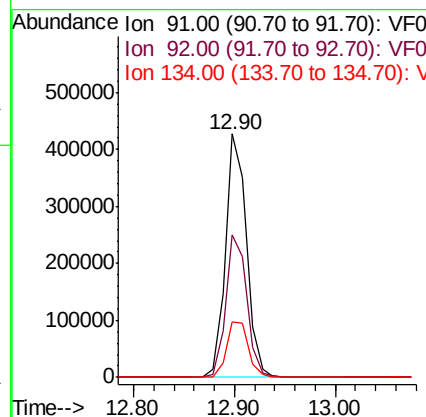
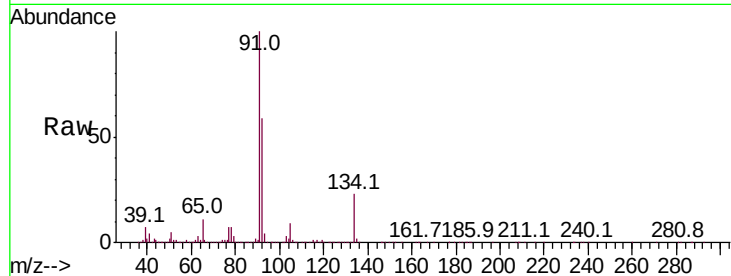
#89
n-Butylbenzene
Concen: 20.496 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	91	Resp:	620370
Ion	Ratio	Lower	Upper
91	100		
92	58.8	33.3	99.8
134	22.9	15.4	46.4

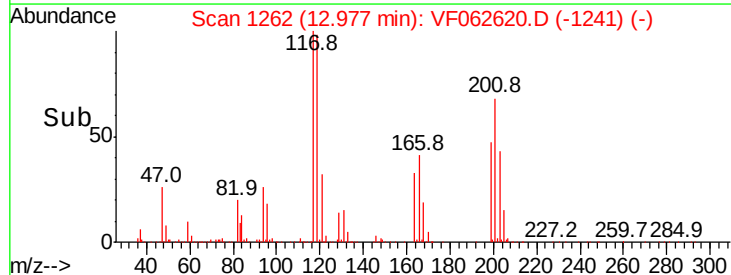
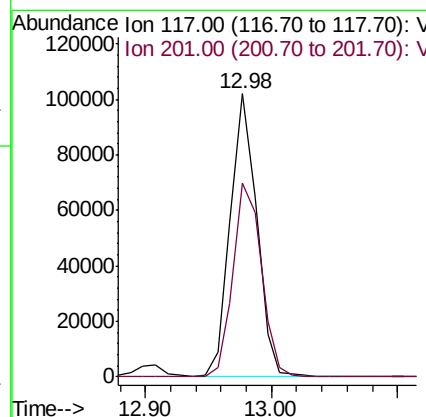
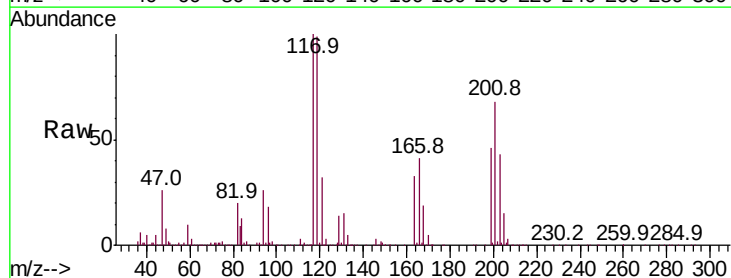
Manual Integrations
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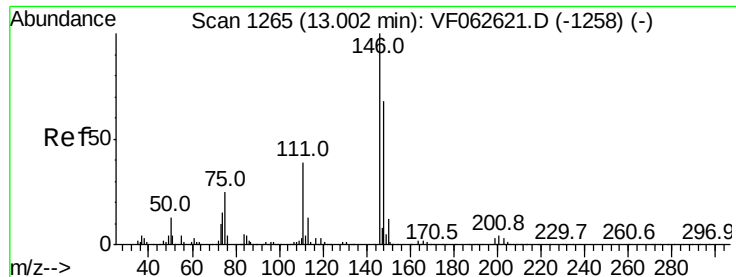
MMDadoda
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#90
Hexachloroethane
Concen: 20.206 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion:	117	Resp:	148806
Ion	Ratio	Lower	Upper
117	100		
201	68.3	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 19.999 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampleId :

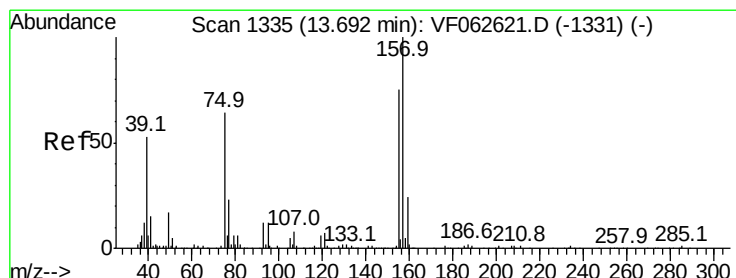
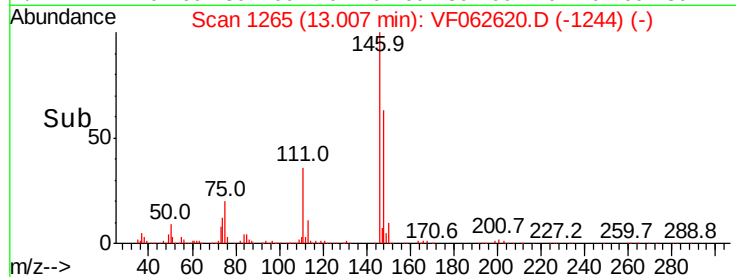
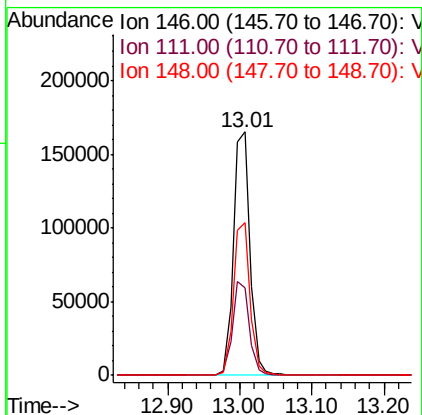
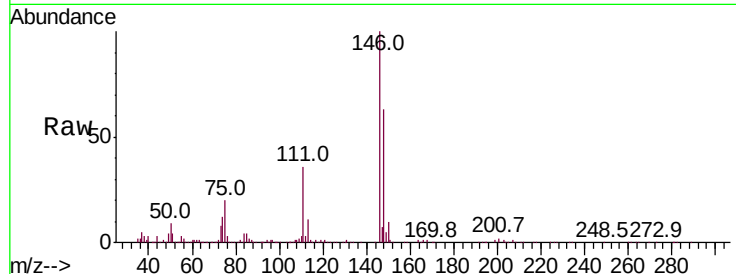
VSTDIC020

Tot Ion:	146	Resp:	267505
Ion Ratio	Lower	Upper	
146	100		
111	35.8	19.8	59.3
148	62.7	34.1	102.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.747 ug/l

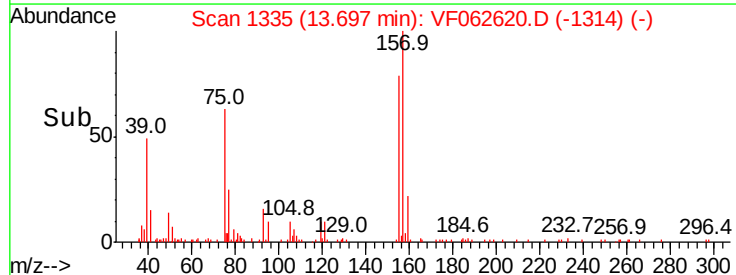
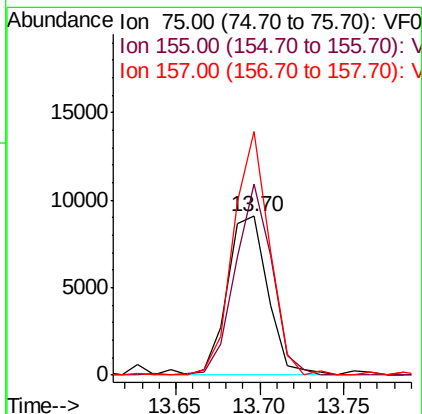
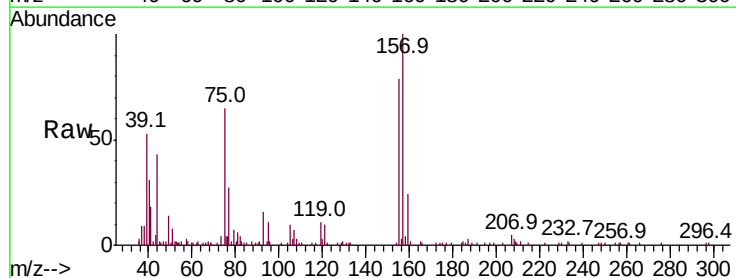
RT: 13.70 min Scan# 1335

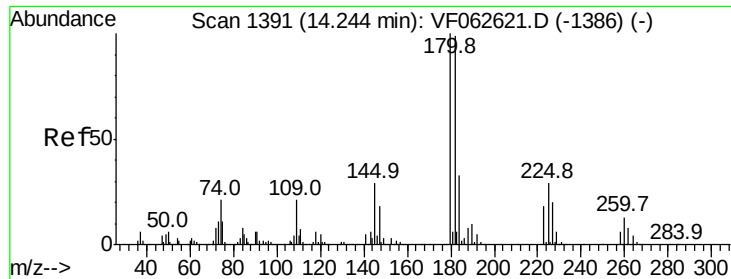
Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	75	Resp:	15250
Ion Ratio	Lower	Upper	
75	100		
155	120.8	58.1	174.3
157	153.5	77.8	233.4





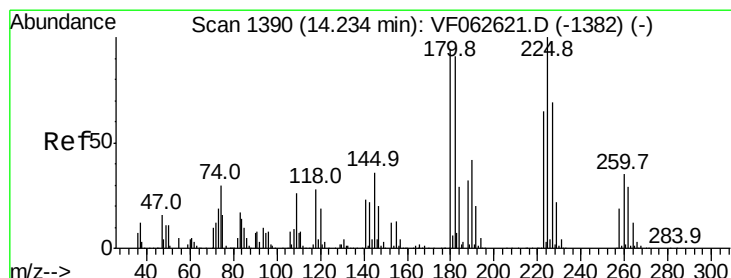
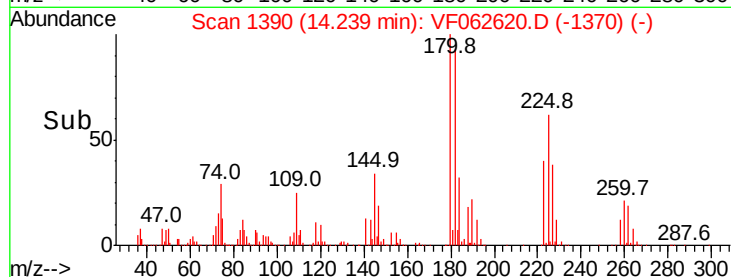
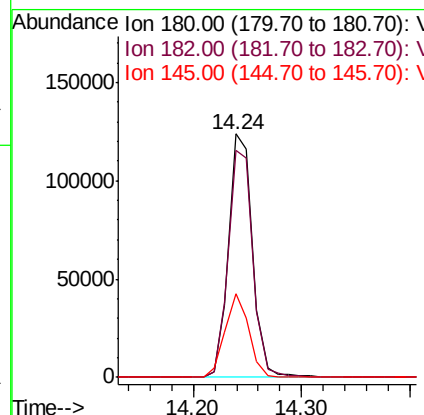
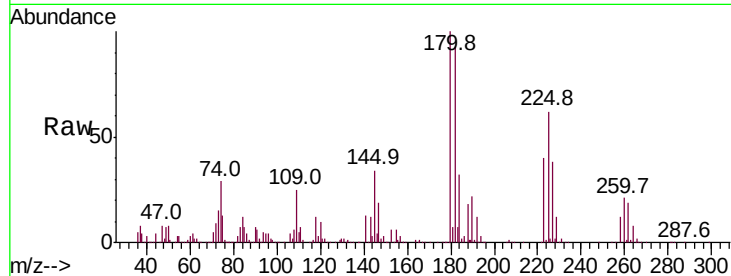
#93
1,2,4-Trichlorobenzene
Concen: 19.932 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	180	Resp:	190838
Ion Ratio	Lower	Upper	
180	100		
182	93.4	49.7	149.1
145	34.4	14.6	44.0

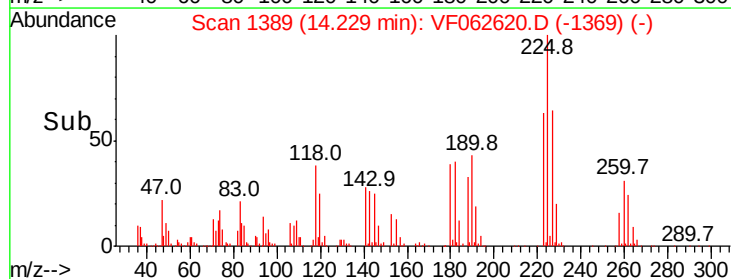
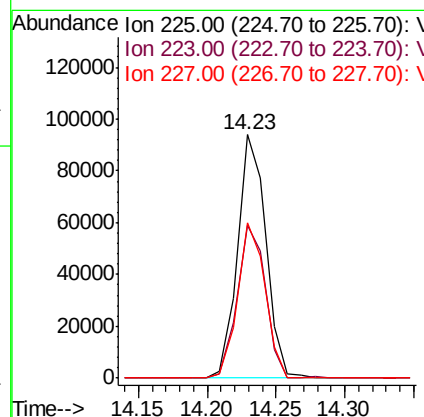
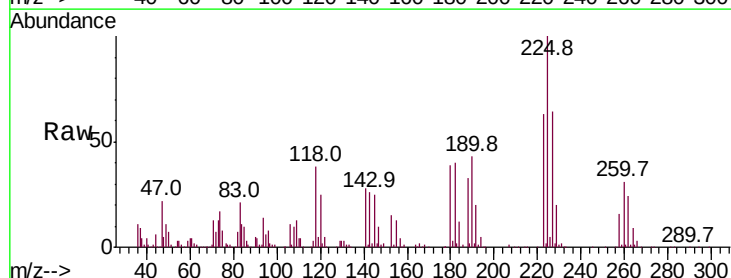
Manual Integrations
APPROVED

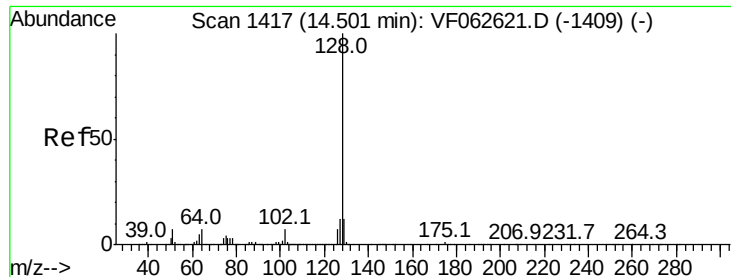
MMDadoda
5/17/2019 4:20:04 PM



#94
Hexachlorobutadiene
Concen: 20.141 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VF062620.D
Acq: 16 May 2019 11:32

Tgt Ion:	225	Resp:	134575
Ion Ratio	Lower	Upper	
225	100		
223	62.6	32.5	97.4
227	63.8	34.5	103.5





#95

Naphthalene

Concen: 17.282 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Instrument :

MSVOA_F

ClientSampled :

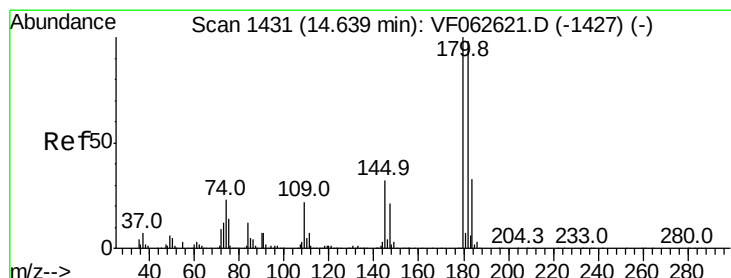
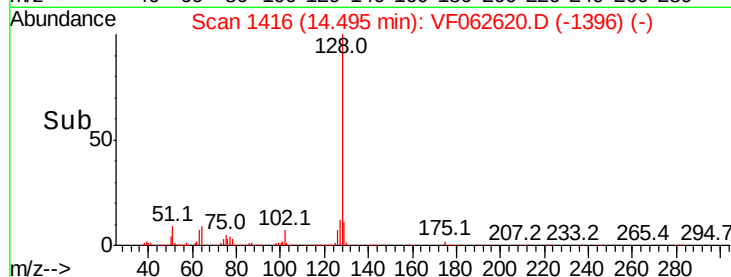
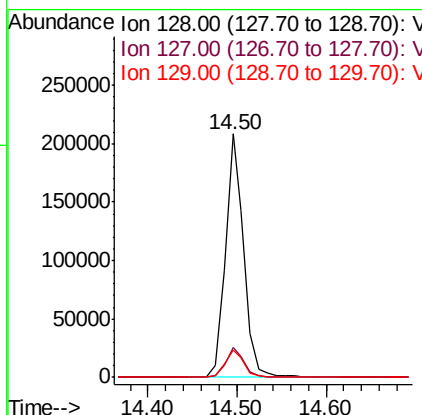
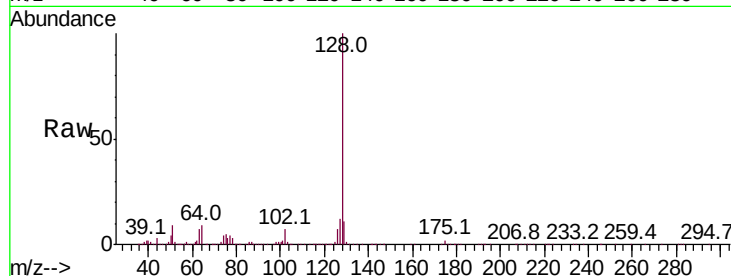
VSTDIC020

Tot Ion:	128	Resp:	300591
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.7	14.5
129	11.1	9.3	13.9

Manual Integrations
APPROVED

MMDadoda

5/17/2019 4:20:04 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.447 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062620.D

Acq: 16 May 2019 11:32

Tgt Ion:	180	Resp:	176366
Ion Ratio	Lower	Upper	
180	100		
182	99.1	48.9	146.7
145	29.3	16.1	48.2

