

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062618.D
 Acq On : 16 May 2019 10:36
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:19:54 PM

Quant Time: May 17 05:08:33 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	5.07	168	798218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1314478	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1023535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	485763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	30975	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	
35) Dibromofluoromethane	4.32	113	57819	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
50) Toluene-d8	7.72	98	142232	5.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.84%	
62) 4-Bromofluorobenzene	11.50	95	52563	5.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.54%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.01	85	68701	6.325	ug/l	98
3) Chloromethane	1.15	50	60081	6.007	ug/l	95
4) Vinyl Chloride	1.19	62	53199	5.778	ug/l	94
5) Bromomethane	1.40	94	27869	5.533	ug/l	90
6) Chloroethane	1.44	64	19469	5.758	ug/l	96
7) Trichlorofluoromethane	1.57	101	66594	5.718	ug/l	98
8) Diethyl Ether	1.72	74	14090	5.753	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	1.91	101	42993	5.462	ug/l	98
10) Methyl Iodide	1.98	142	80718	5.220	ug/l #	90
11) Tert butyl alcohol	2.71	59	9604	25.790	ug/l #	50
12) 1,1-Dichloroethene	1.87	96	38754	5.405	ug/l	92
13) Acrolein	2.10	56	8395	21.596	ug/l	98
14) Allyl chloride	2.21	41	43566	6.184	ug/l	89
15) Acrylonitrile	3.10	53	22590	21.505	ug/l #	87
16) Acetone	2.36	43	30238	20.663	ug/l	98
17) Carbon Disulfide	1.92	76	126427	6.188	ug/l	95
18) Methyl Acetate	2.46	43	12849	5.138	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	68793	5.367	ug/l	94
20) Methylene Chloride	2.35	84	43852m	6.013	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	36213	5.167	ug/l	87
22) Diisopropyl ether	2.95	45	74469	4.652	ug/l	97
23) Vinyl Acetate	3.36	43	268960	24.910	ug/l	99
24) 1,1-Dichloroethane	3.03	63	59877	5.099	ug/l	97
25) 2-Butanone	4.53	43	76783	24.559	ug/l	93
26) 2,2-Dichloropropane	3.79	77	37948	5.648	ug/l	91
27) cis-1,2-Dichloroethene	3.66	96	55560	4.819	ug/l	93
28) Bromochloromethane	3.91	49	38390	5.829	ug/l #	73
29) Tetrahydrofuran	4.29	42	32556	25.733	ug/l	100
30) Chloroform	4.06	83	83640	5.130	ug/l	97
31) Cyclohexane	3.89	56	83524	5.714	ug/l #	82
32) 1,1,1-Trichloroethane	4.30	97	66081	6.103	ug/l	90
36) 1,1-Dichloropropene	4.48	75	67970	5.046	ug/l	94
37) Ethyl Acetate	4.32	43	26147	4.754	ug/l #	73
38) Carbon Tetrachloride	4.21	117	62424	6.578	ug/l #	82

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Manual Integrations
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MMDadoda
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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	5.65	83	84188	5.195	ug/l	95
40) Benzene	4.83	78	195401	5.325	ug/l	98
41) Methacrylonitrile	4.94	41	13428	4.657	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	31744	4.338	ug/l	89
43) Isopropyl Acetate	7.13	43	30474	4.277	ug/l #	92
44) Trichloroethene	5.70	130	53033	5.142	ug/l	90
45) 1,2-Dichloropropane	6.42	63	49096	5.300	ug/l	96
46) Dibromomethane	6.27	93	25734	4.807	ug/l #	84
47) Bromodichloromethane	6.56	83	56079	5.046	ug/l	94
48) Methyl methacrylate	6.89	41	19311	5.185	ug/l #	79
49) 1,4-Dioxane	6.89	88	4515	94.659	ug/l #	66
51) 4-Methyl-2-Pentanone	8.42	43	116229	23.866	ug/l	92
52) Toluene	7.79	92	100691	5.232	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	47307	5.203	ug/l	90
54) cis-1,3-Dichloropropene	7.47	75	66978	5.262	ug/l #	83
55) 1,1,2-Trichloroethane	8.64	97	29667	5.207	ug/l	93
56) Ethyl methacrylate	8.77	69	34151	5.031	ug/l	96
57) 1,3-Dichloropropane	9.01	76	49442	5.094	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.46	63	52843	23.915	ug/l	92
59) 2-Hexanone	9.63	43	82761	23.243	ug/l	99
60) Dibromochloromethane	8.87	129	33428	4.501	ug/l	95
61) 1,2-Dibromoethane	9.14	107	31006	5.123	ug/l	99
64) Tetrachloroethene	8.32	164	42427	5.232	ug/l	95
65) Chlorobenzene	9.95	112	100339	4.991	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	40846	5.061	ug/l	95
67) Ethyl Benzene	10.03	91	182295	5.220	ug/l	95
68) m/p-Xylenes	10.27	106	130958	9.977	ug/l	79
69) o-Xylene	10.82	106	66612	4.927	ug/l	92
70) Styrene	10.90	104	93873	4.568	ug/l	97
71) Bromoform	10.89	173	16624	4.113	ug/l #	91
73) Isopropylbenzene	11.22	105	185667	5.333	ug/l	95
74) N-amyl acetate	11.45	43	48747	4.539	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	35146	4.940	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	24845	5.314	ug/l	93
77) Bromobenzene	11.58	156	43337	5.008	ug/l	84
78) n-propylbenzene	11.68	91	238406	5.786	ug/l	90
79) 2-Chlorotoluene	11.80	91	123975	5.339	ug/l	90
80) 1,3,5-Trimethylbenzene	11.90	105	145655	5.218	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	10152m	3.909	ug/l	
82) 4-Chlorotoluene	11.98	91	123706	5.402	ug/l	94
83) tert-Butylbenzene	12.20	119	149301	5.271	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	141116	5.223	ug/l	96
85) sec-Butylbenzene	12.37	105	204937	5.392	ug/l	92
86) p-Isopropyltoluene	12.53	119	164007	5.120	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	87132	5.565	ug/l	90
88) 1,4-Dichlorobenzene	12.63	146	75081	5.110	ug/l	98
89) n-Butylbenzene	12.90	91	176281	5.582	ug/l	91
90) Hexachloroethane	12.98	117	40351	5.251	ug/l	78
91) 1,2-Dichlorobenzene	13.00	146	72565	5.199	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.69	75	3987	4.697	ug/l	76

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MSVOA_F
ClientSampleId :
VSTDICC005

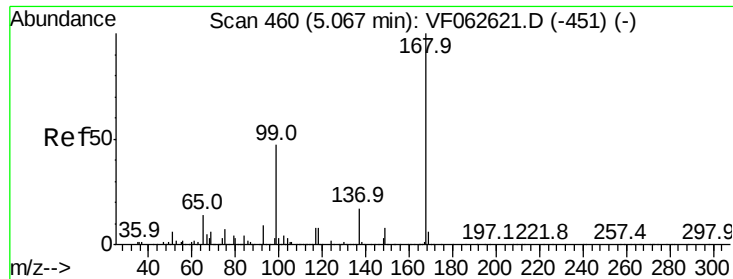
Manual Integrations
APPROVED

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5/17/2019 4:19:54 PM

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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	51041	5.109	ug/l	88
94) Hexachlorobutadiene	14.23	225	32407	4.648	ug/l	94
95) Naphthalene	14.50	128	74243	4.091	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	43439	4.591	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 798218

Ion Ratio Lower Upper

168 100

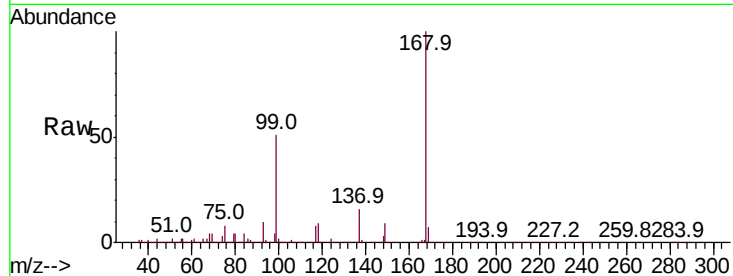
99 50.7 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

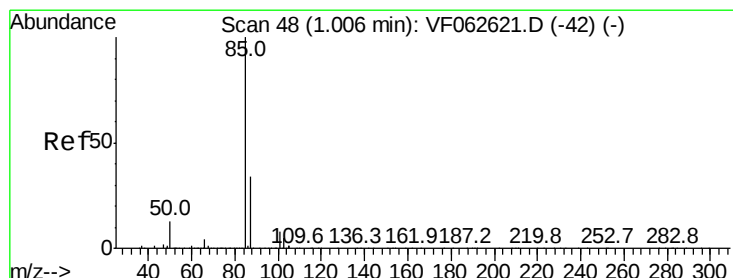
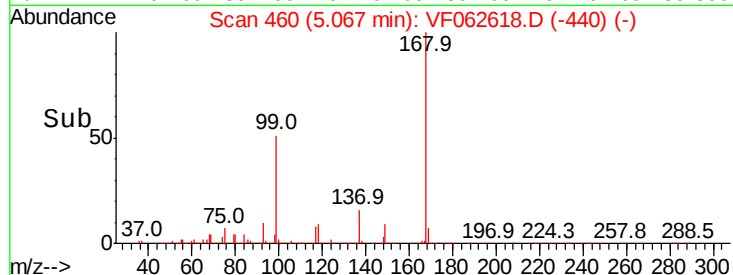
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 6.325 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062618.D

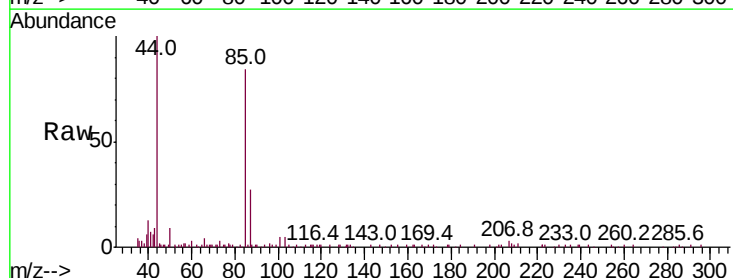
Acq: 16 May 2019 10:36

Tgt Ion: 85 Resp: 68701

Ion Ratio Lower Upper

85 100

87 32.5 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

20000

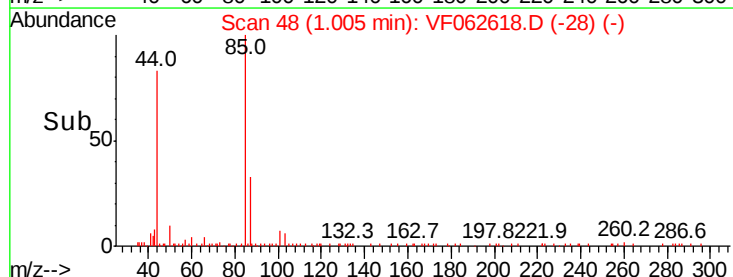
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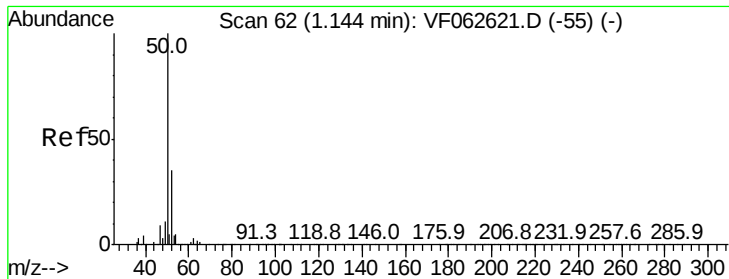
10000

5000

0

Time-->





#3

Chloromethane

Concen: 6.007 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 60081

Ion Ratio Lower Upper

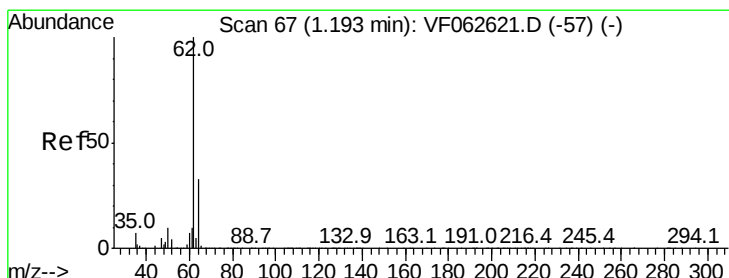
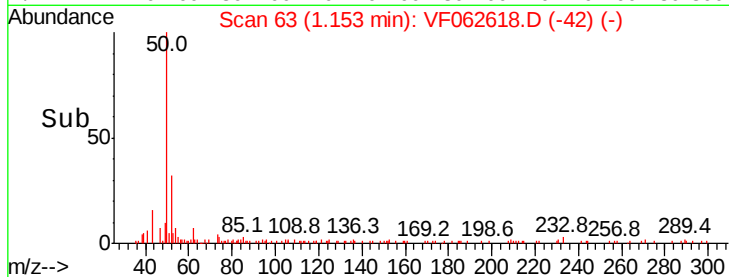
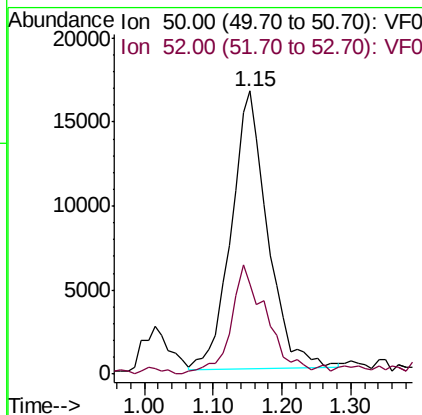
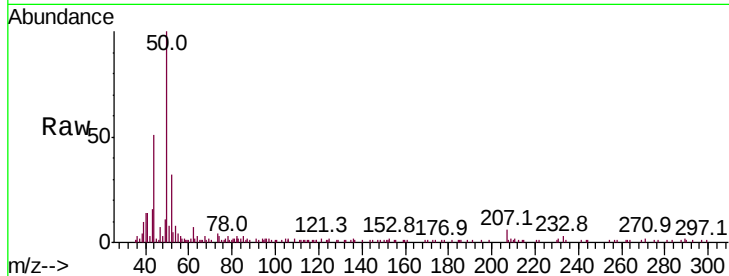
50 100

52 31.7 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.778 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062618.D

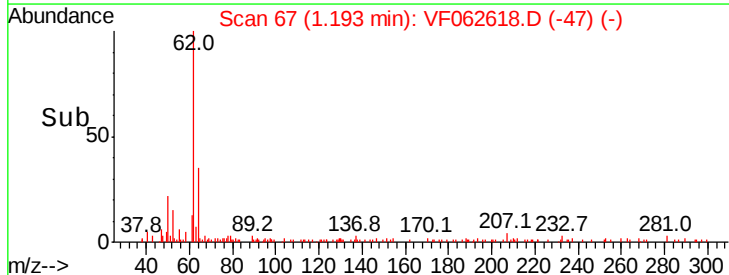
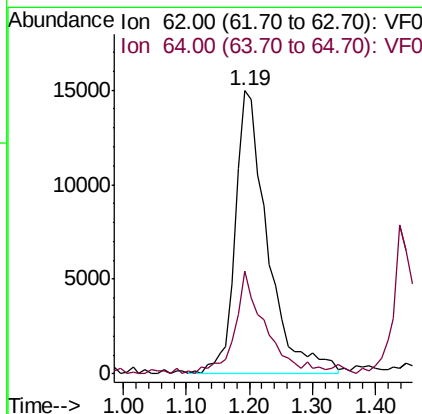
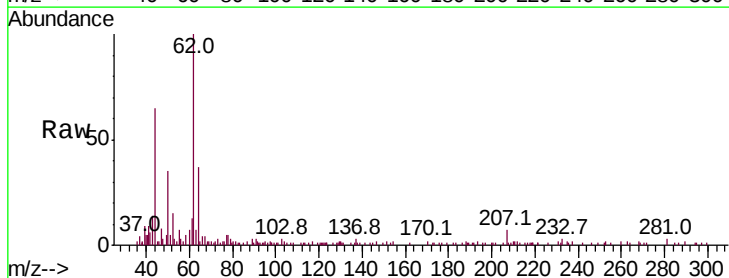
Acq: 16 May 2019 10:36

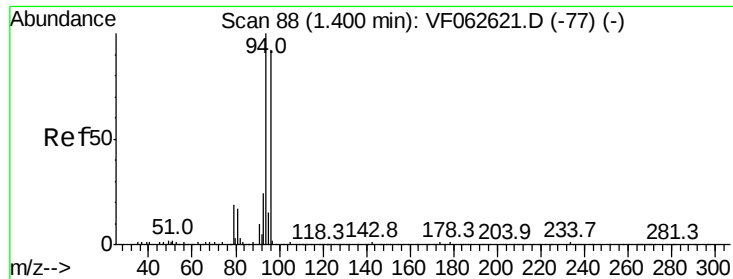
Tgt Ion: 62 Resp: 53199

Ion Ratio Lower Upper

62 100

64 36.5 26.7 40.1





#5

Bromomethane

Concen: 5.533 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 27869

Ion Ratio Lower Upper

94 100

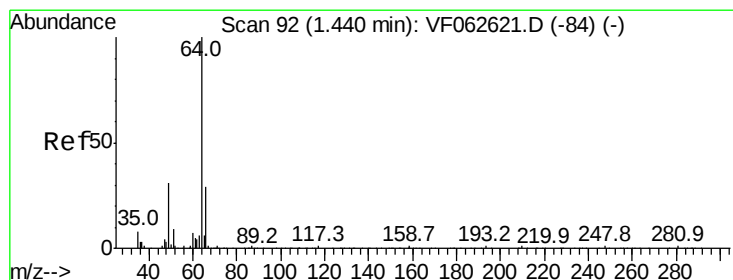
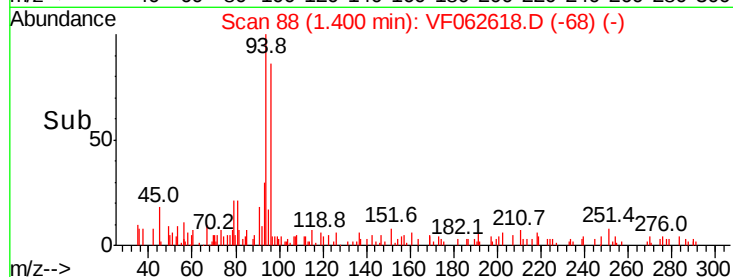
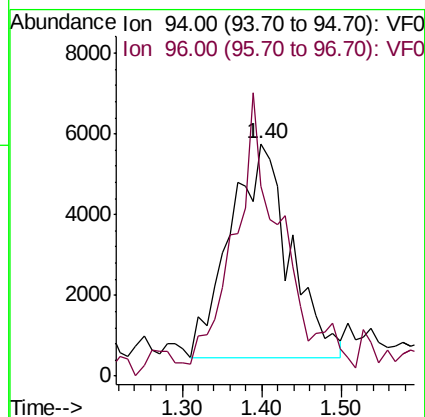
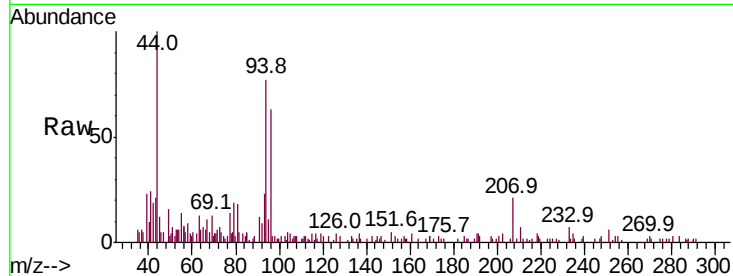
96 81.8 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 5.758 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062618.D

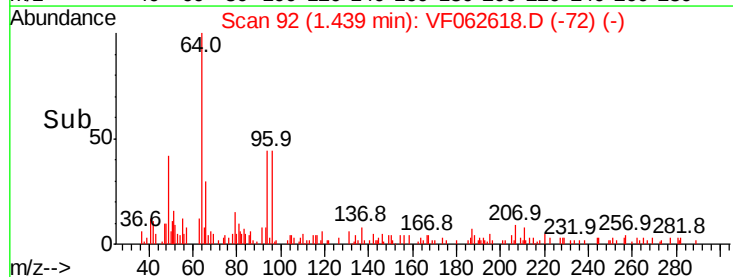
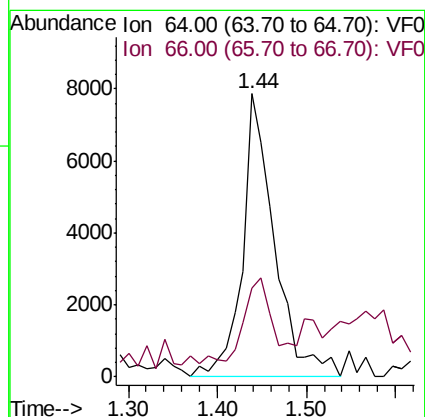
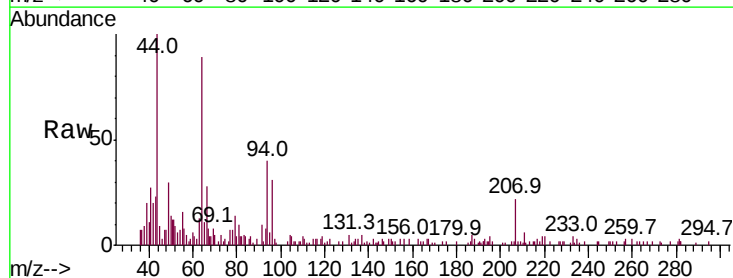
Acq: 16 May 2019 10:36

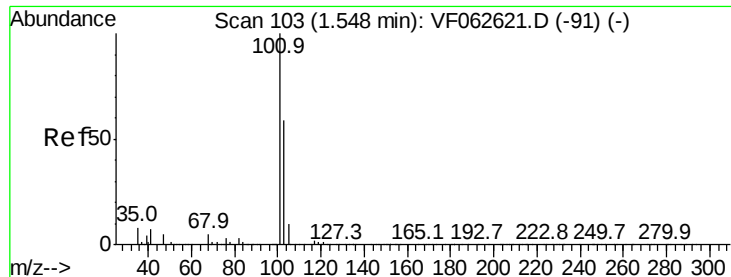
Tgt Ion: 64 Resp: 19469

Ion Ratio Lower Upper

64 100

66 31.5 23.4 35.2





#7

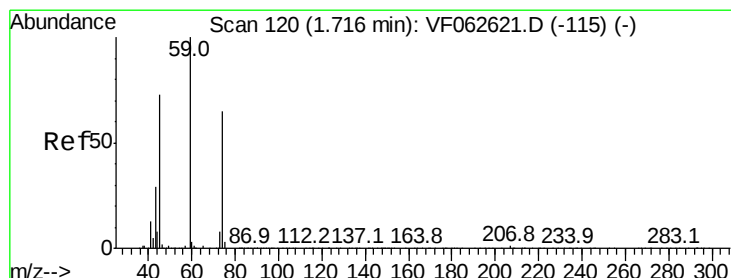
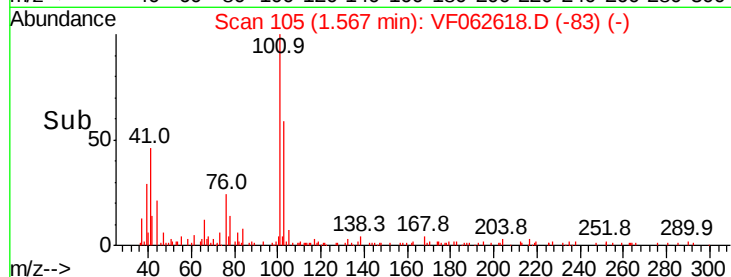
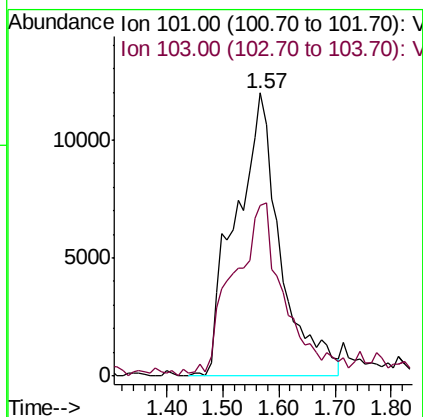
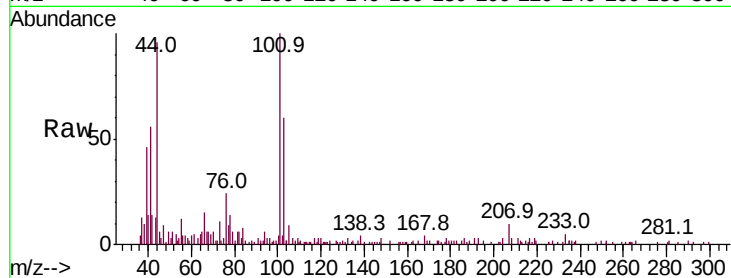
Trichlorofluoromethane
Concen: 5.718 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.02 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	47.3	70.9

Manual Integrations
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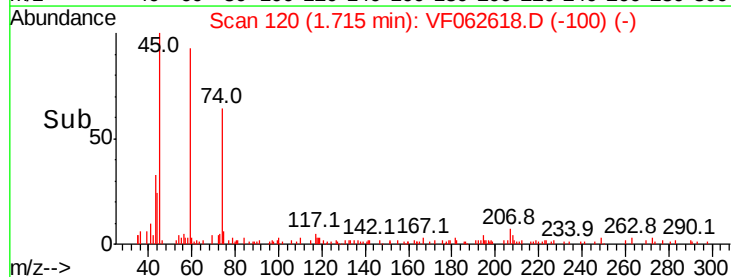
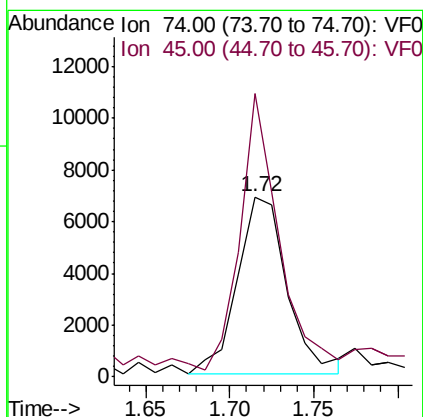
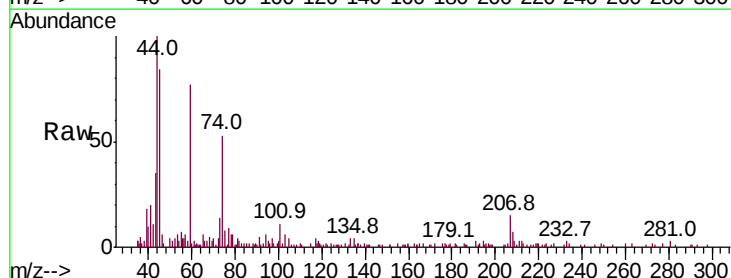
MMDadoda
5/17/2019 4:19:54 PM

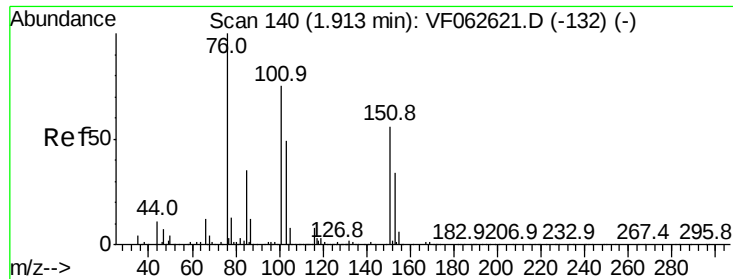


#8

Diethyl Ether
Concen: 5.753 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	157.2	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.462 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

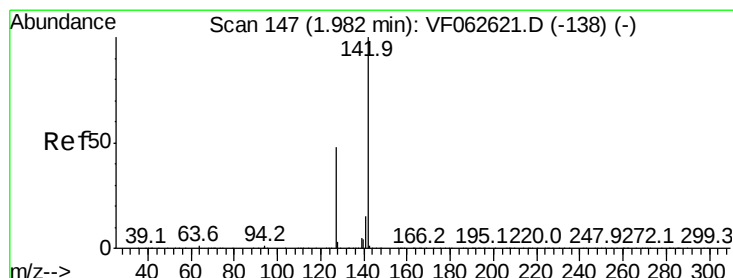
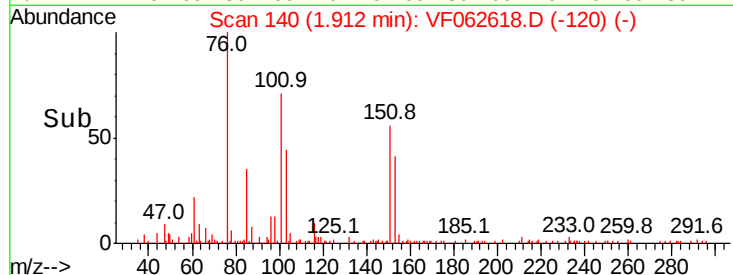
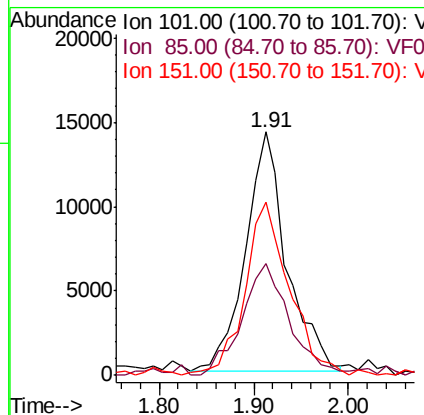
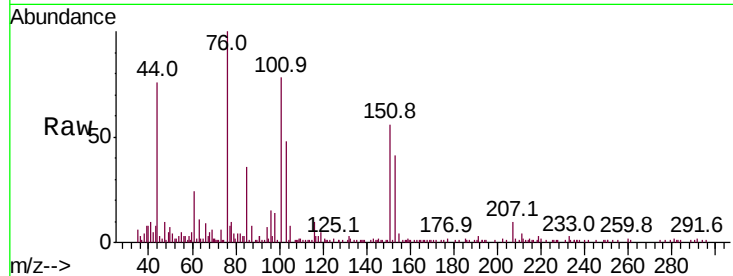
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	42993
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.1	55.7
151	71.0	58.8	88.2

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#10

Methyl Iodide

Concen: 5.220 ug/l

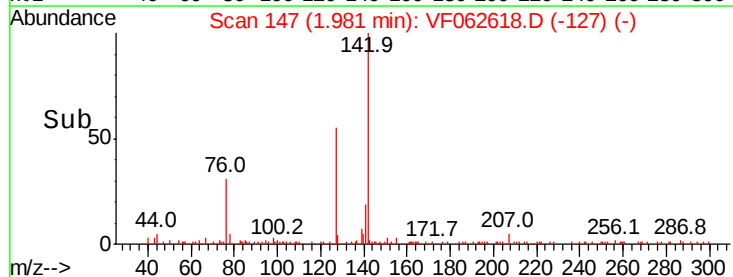
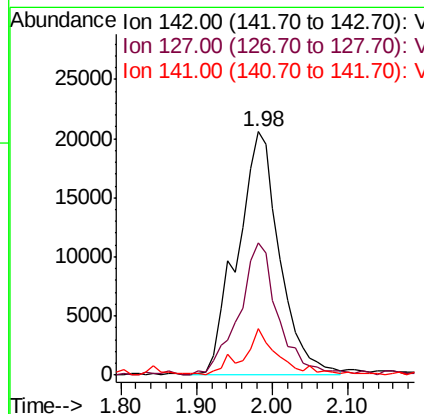
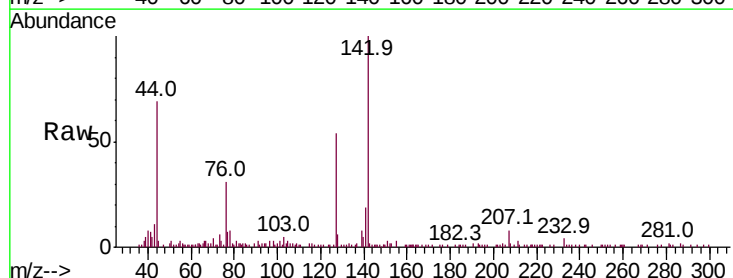
RT: 1.98 min Scan# 147

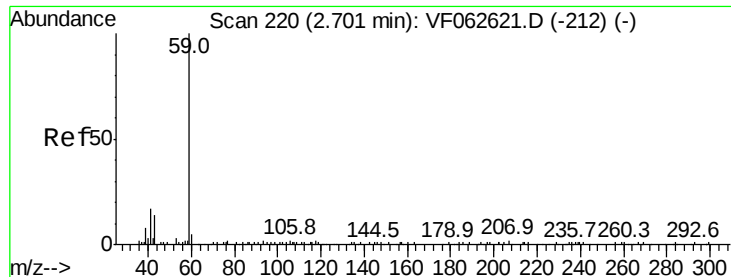
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	142	Resp:	80718
Ion Ratio	Lower	Upper	
142	100		
127	54.1	38.1	57.1
141	18.9	11.7	17.5#





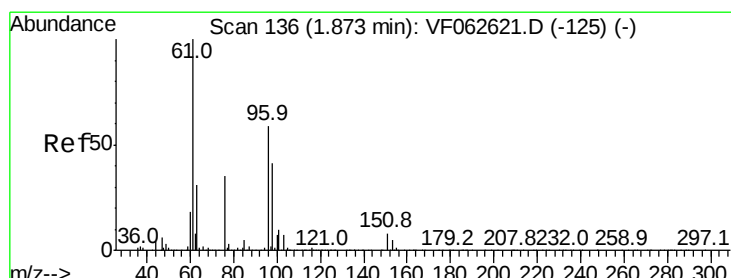
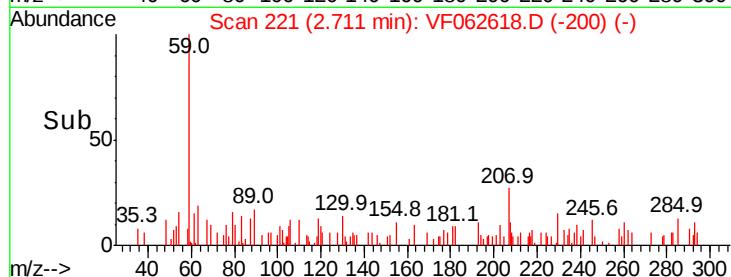
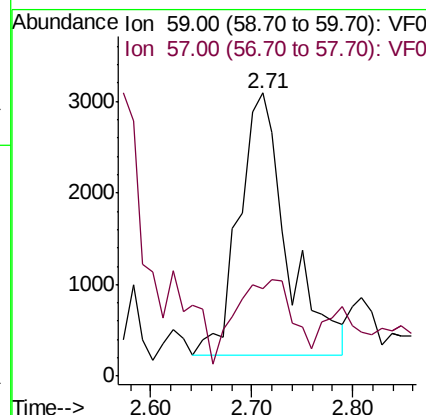
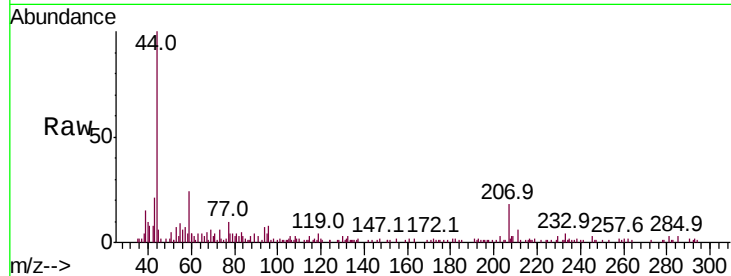
#11
Tert butyl alcohol
Concen: 25.790 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	31.0	9.3	13.9#

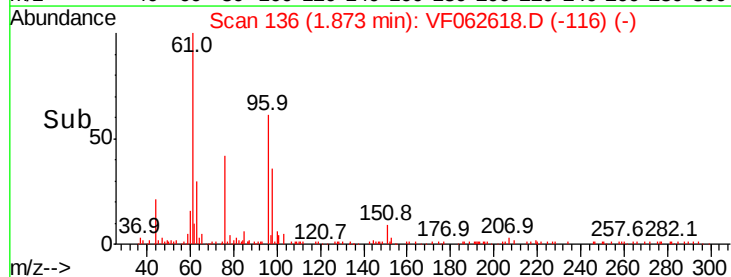
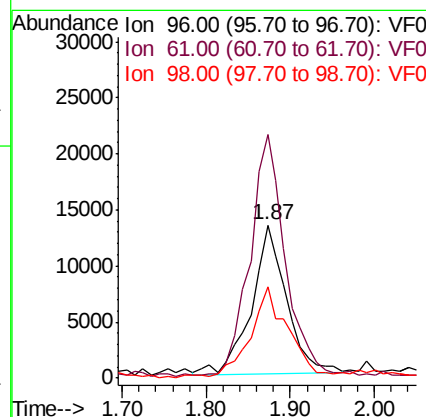
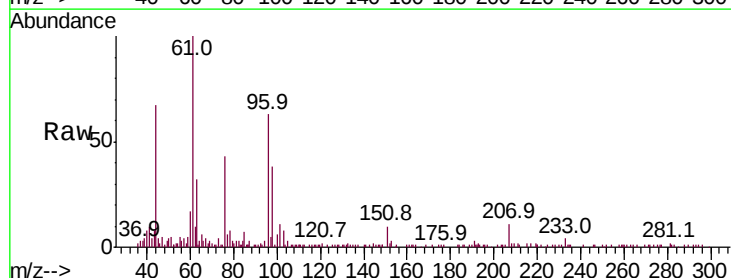
Manual Integrations
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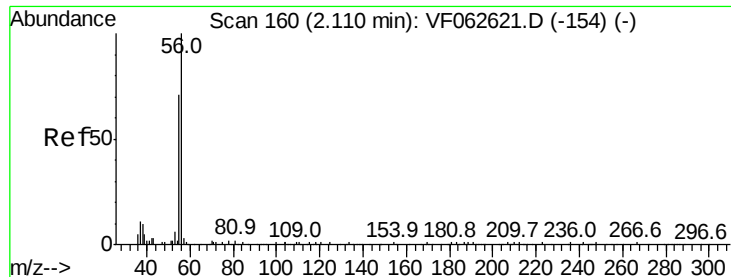
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.405 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	134.3	201.5
98	59.8	55.0	82.6





#13

Acrolein

Concen: 21.596 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8395

Ion Ratio Lower Upper

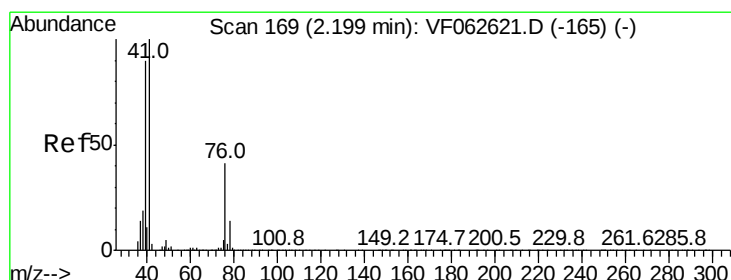
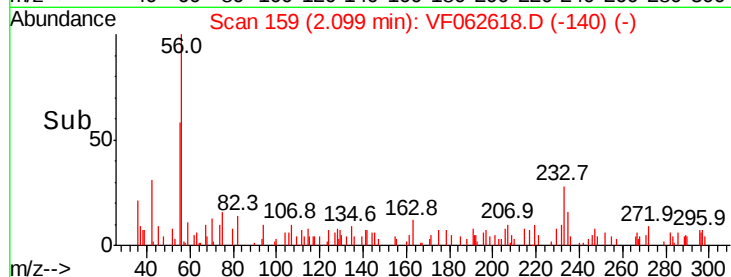
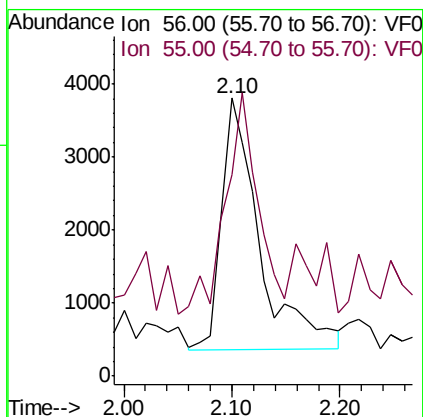
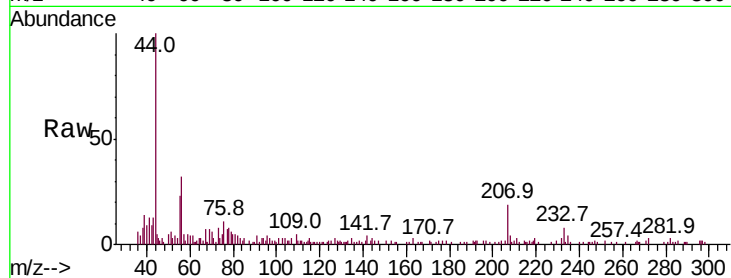
56 100

55 72.5 59.4 89.0

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#14

Allyl chloride

Concen: 6.184 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

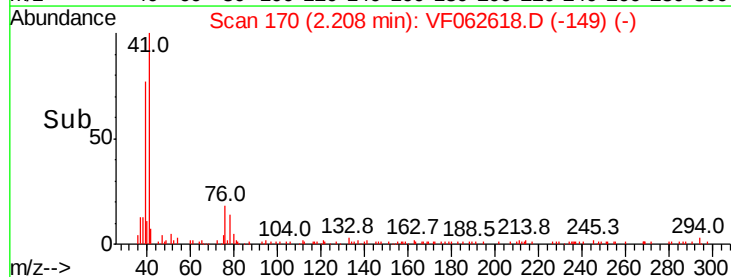
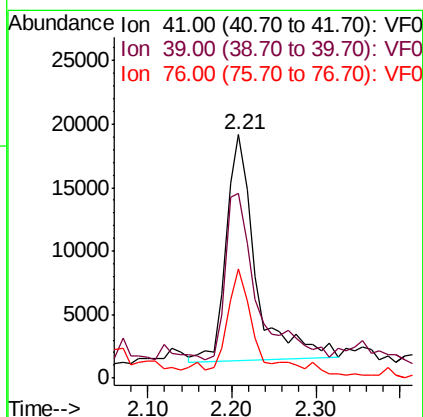
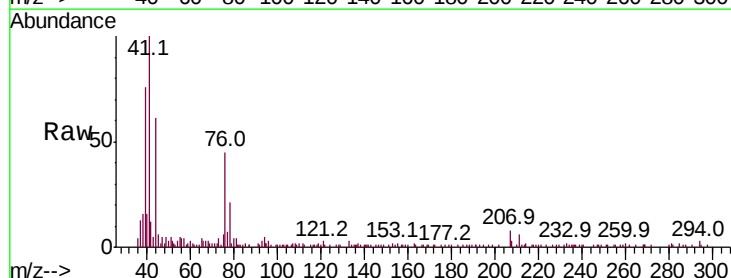
Tgt Ion: 41 Resp: 43566

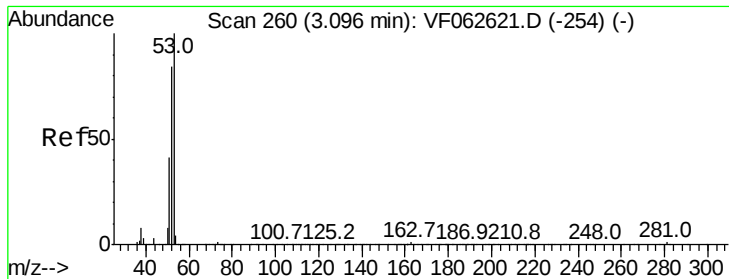
Ion Ratio Lower Upper

41 100

39 75.7 72.0 108.0

76 44.9 34.8 52.2





#15

Acrylonitrile

Concen: 21.505 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

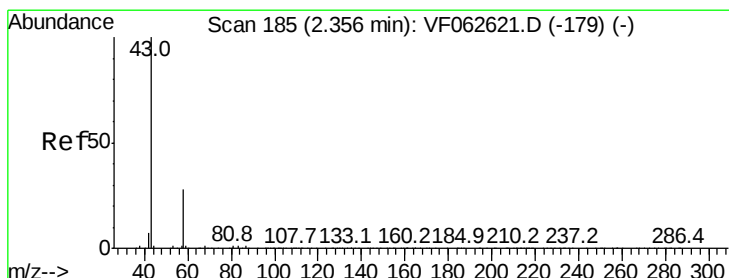
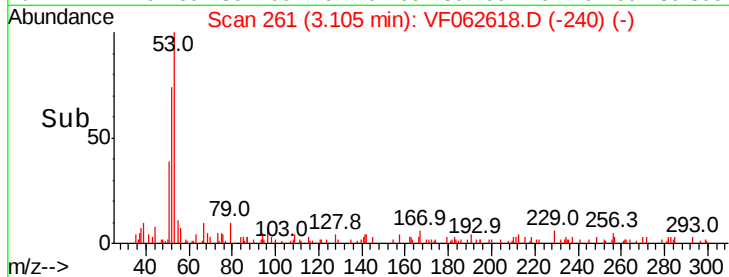
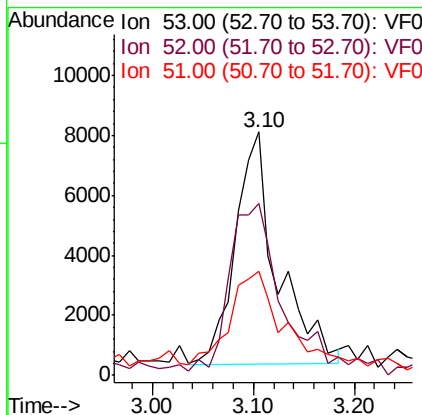
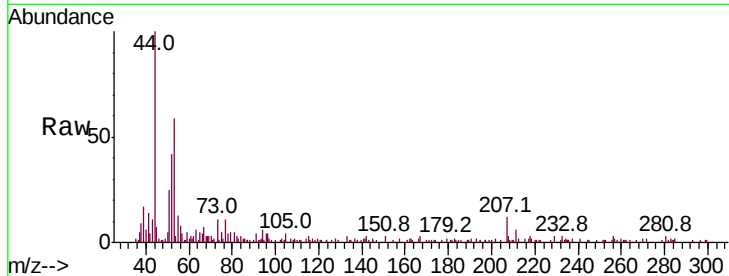
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	22590
Ion Ratio	Lower	Upper	
53	100		
52	67.2	67.3	100.9#
51	40.8	33.0	49.6

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#16

Acetone

Concen: 20.663 ug/l

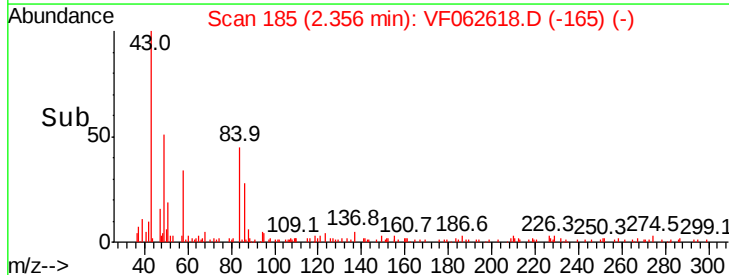
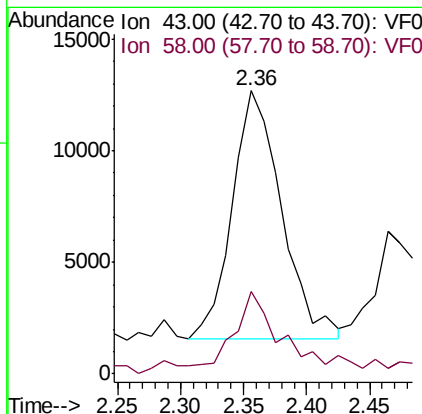
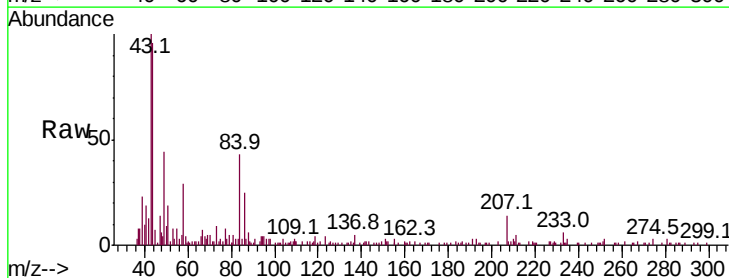
RT: 2.36 min Scan# 185

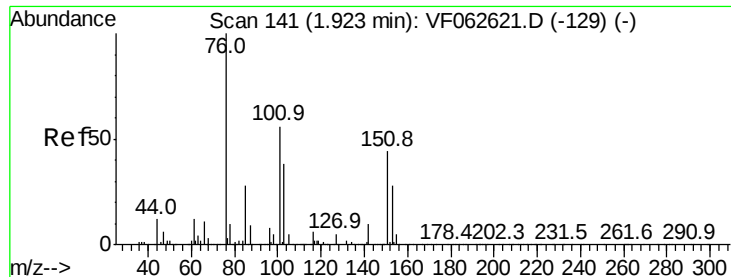
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	43	Resp:	30238
Ion Ratio	Lower	Upper	
43	100		
58	29.1	22.6	33.8





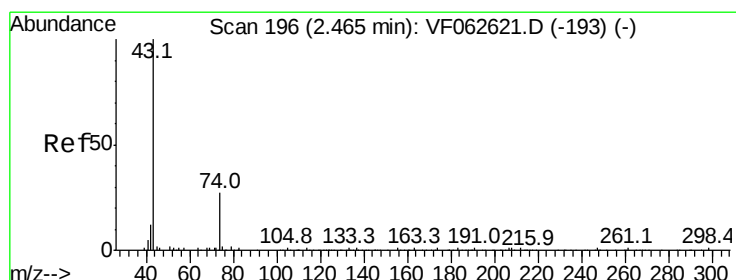
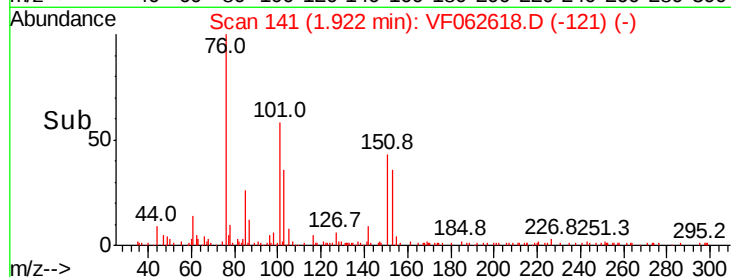
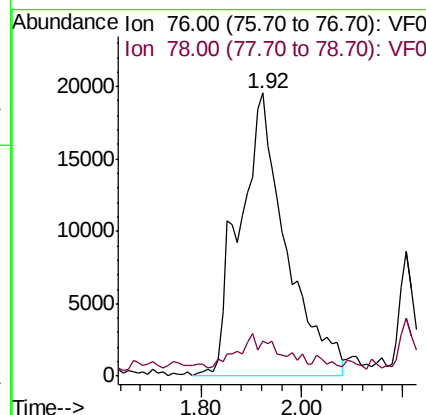
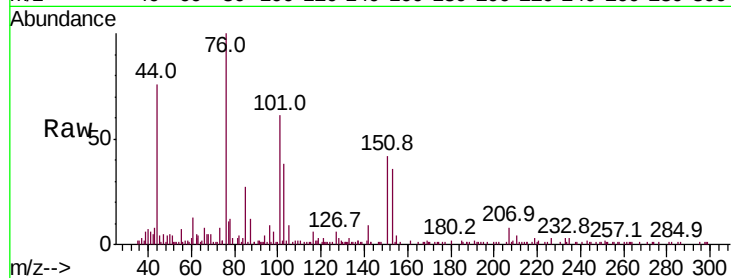
#17
Carbon Disulfide
Concen: 6.188 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.3	8.4	12.6

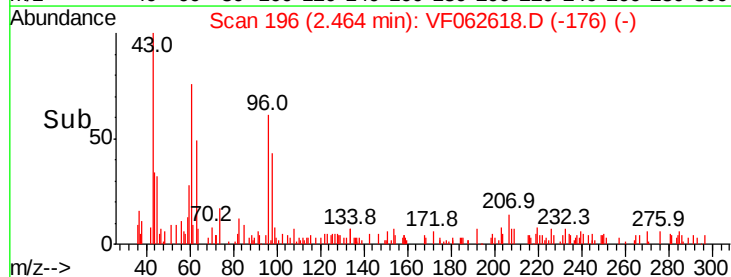
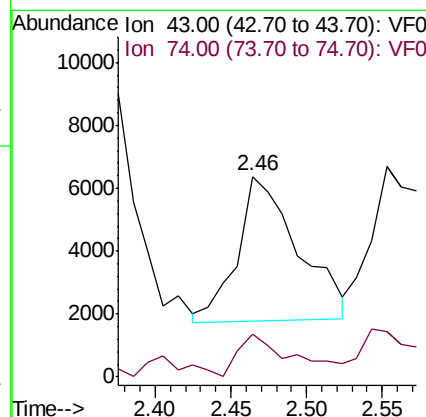
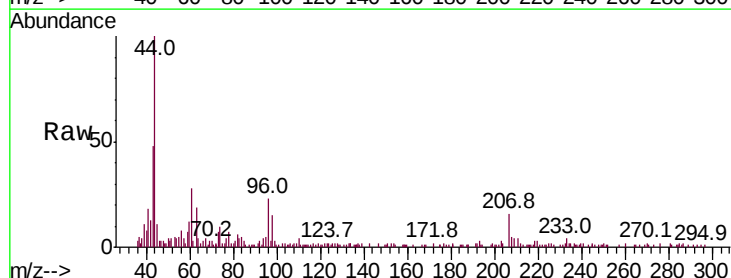
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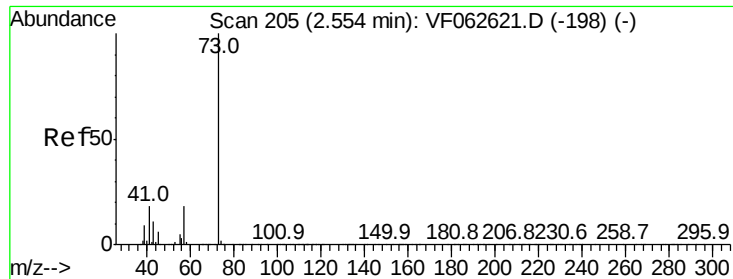
MMDadoda
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#18
Methyl Acetate
Concen: 5.138 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	18.9	28.3





#19

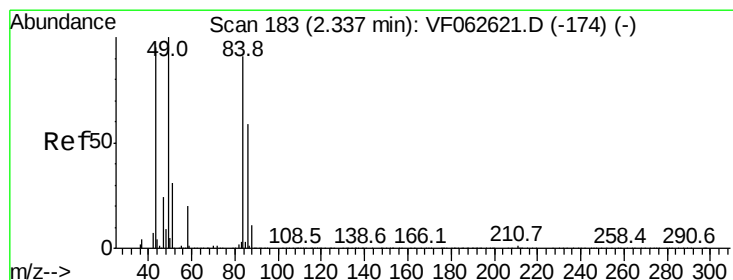
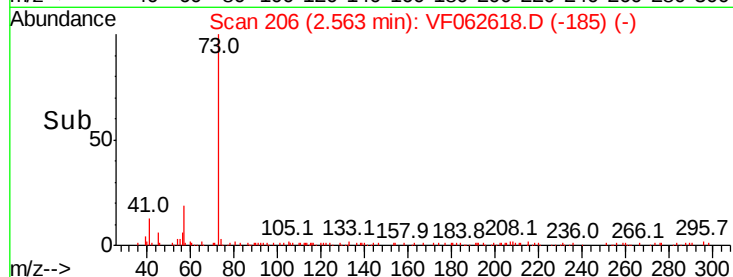
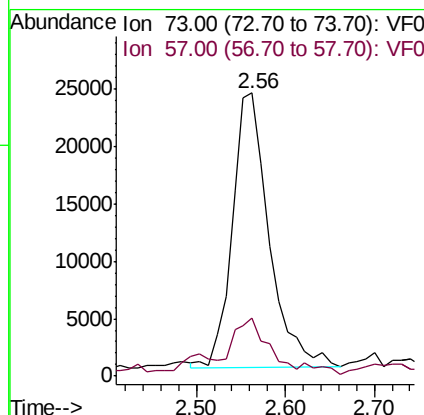
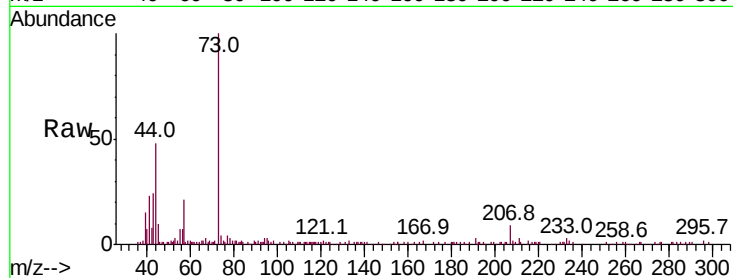
Methyl tert-butyl Ether
 Concen: 5.367 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062618.D
 Acq: 16 May 2019 10:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	14.2	21.4

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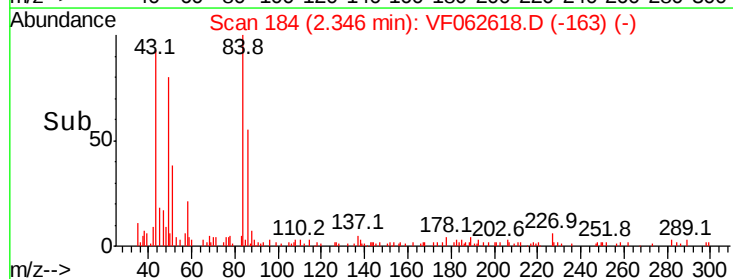
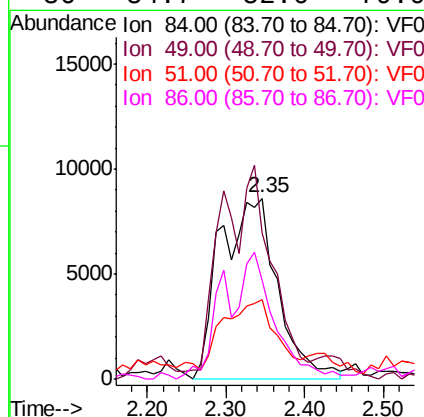
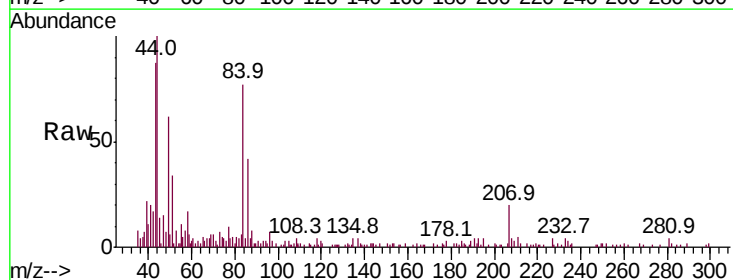
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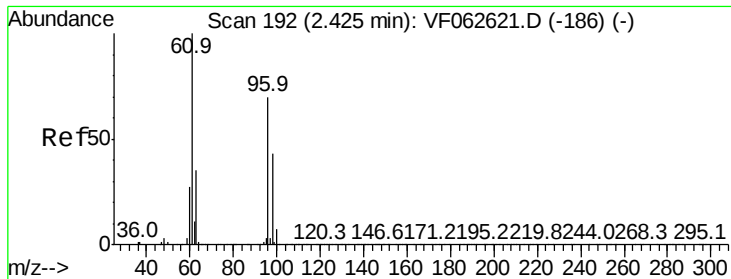


#20

Methylene Chloride
 Concen: 6.013 ug/l m
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062618.D
 Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	80.7	89.8	134.8#
51	43.6	28.4	42.6#
86	54.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 5.167 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

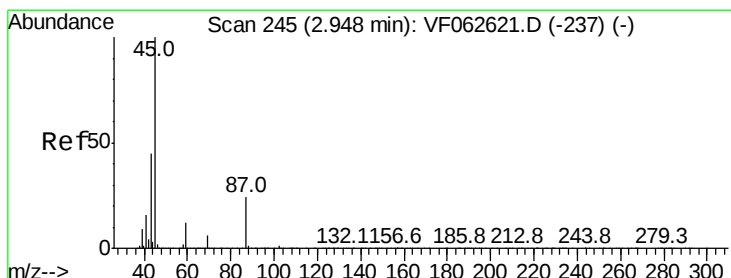
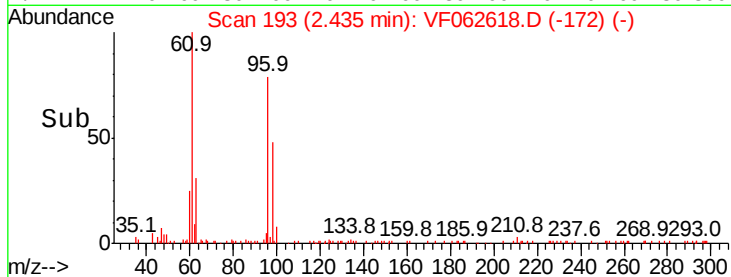
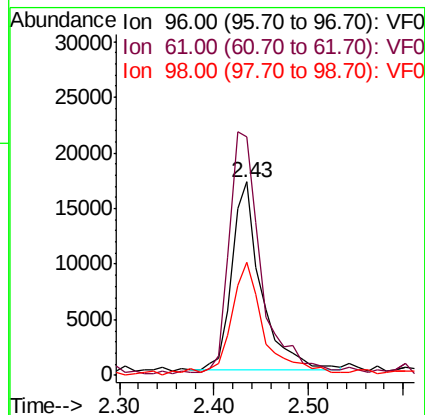
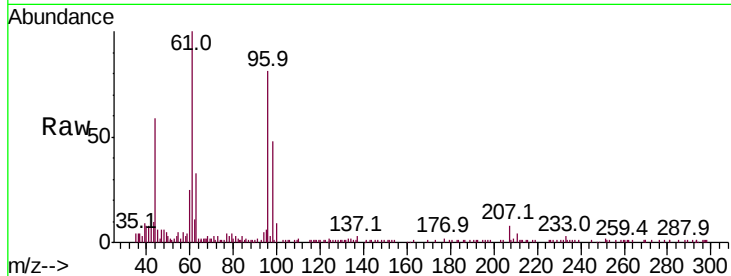
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	36213
Ion	Ratio	Lower	Upper
96	100		
61	123.1	114.6	171.8
98	58.6	49.5	74.3

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#22

Diisopropyl ether

Concen: 4.652 ug/l

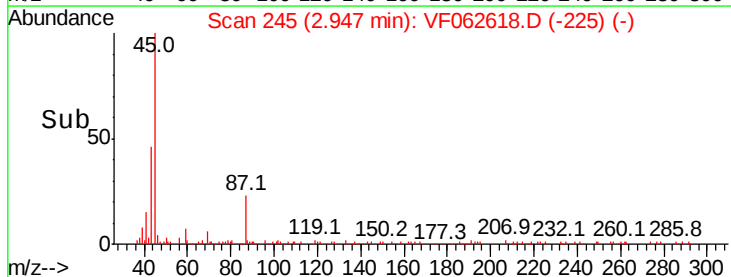
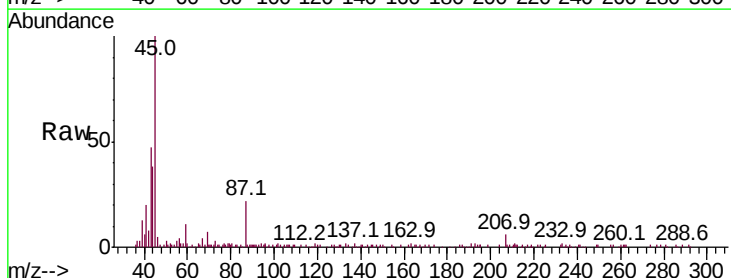
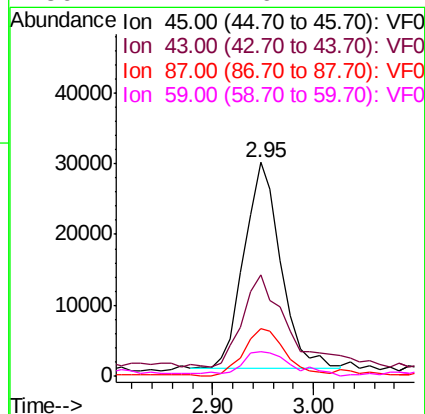
RT: 2.95 min Scan# 245

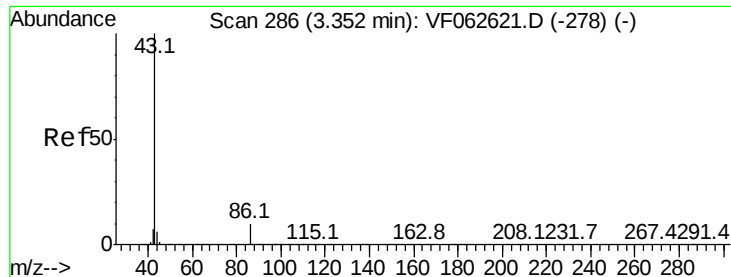
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	45	Resp:	74469
Ion	Ratio	Lower	Upper
45	100		
43	47.2	36.4	54.6
87	22.4	19.3	28.9
59	11.4	9.4	14.2





#23

Vinyl Acetate

Concen: 24.910 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 268960

Ion Ratio Lower Upper

43 100

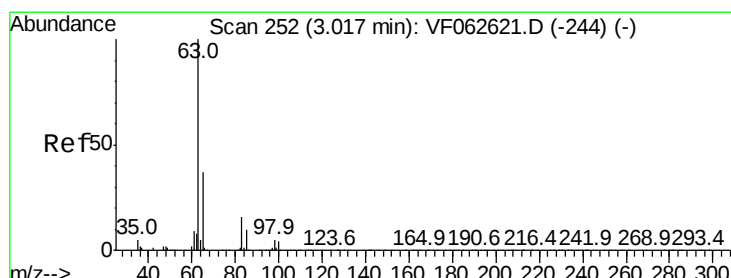
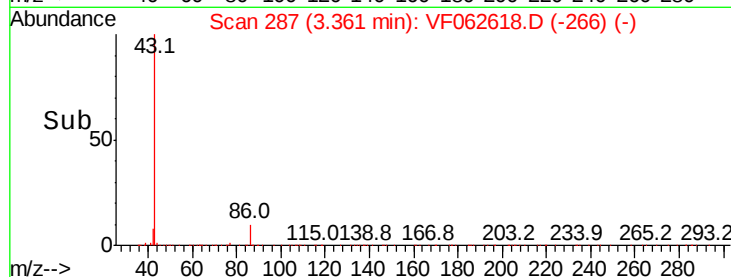
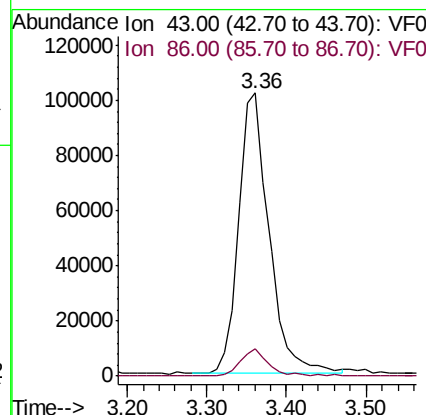
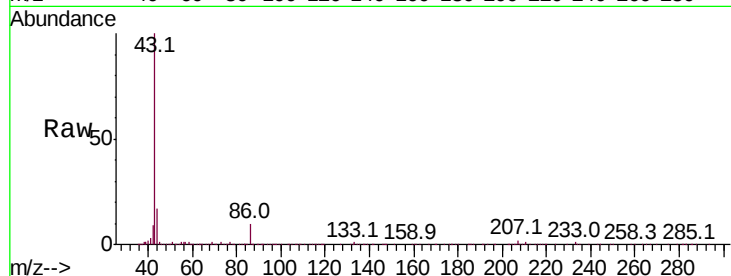
86 9.8 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.099 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

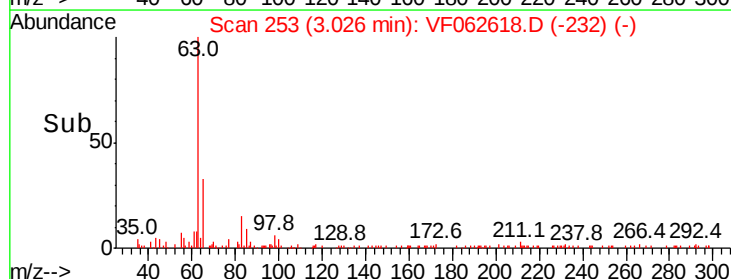
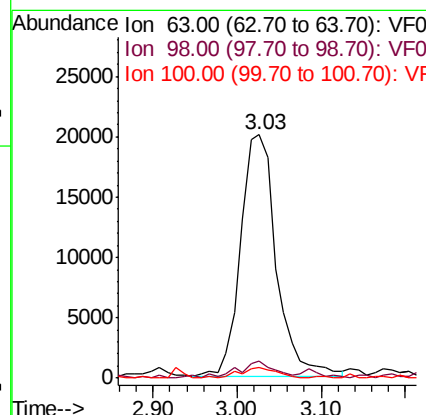
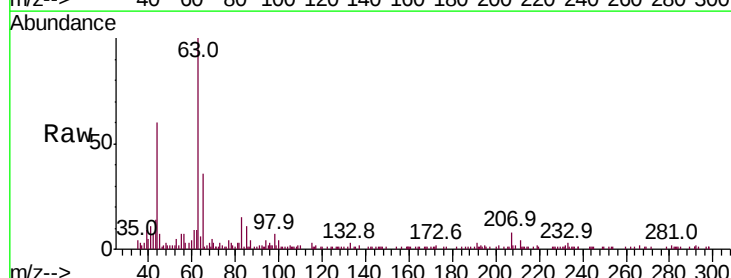
Tgt Ion: 63 Resp: 59877

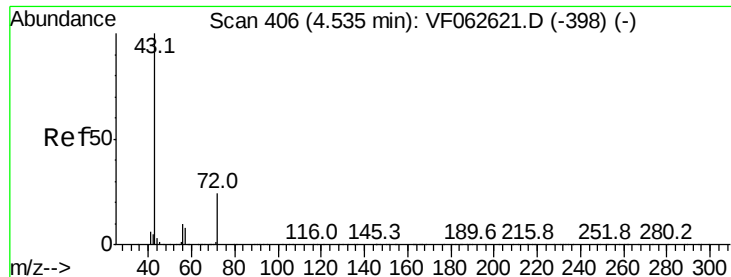
Ion Ratio Lower Upper

63 100

98 6.9 2.8 8.3

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 24.559 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 76783

Ion Ratio Lower Upper

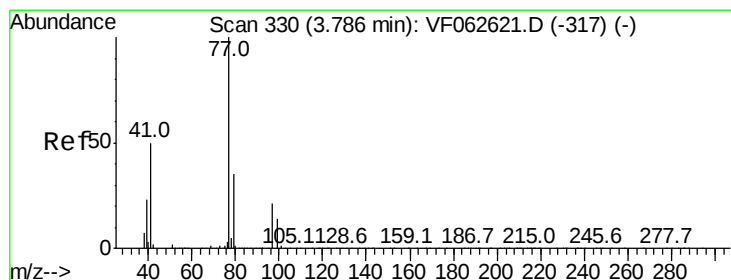
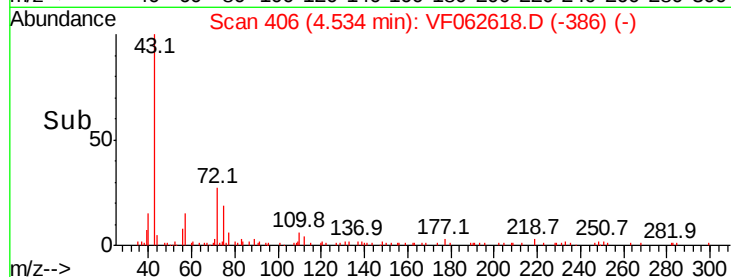
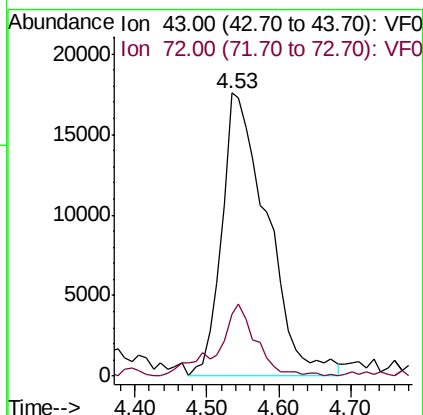
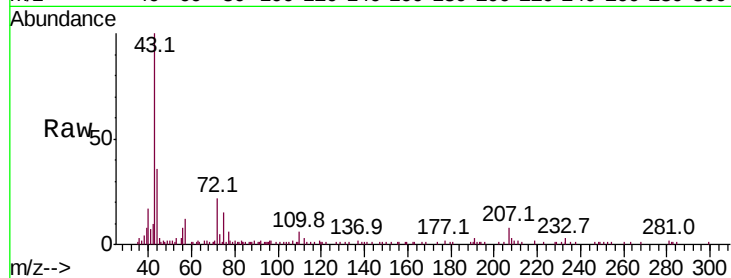
43 100

72 21.7 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.648 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062618.D

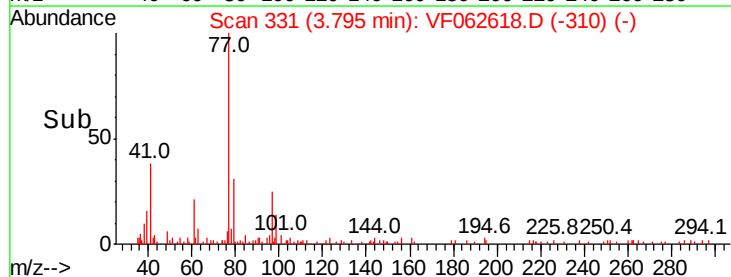
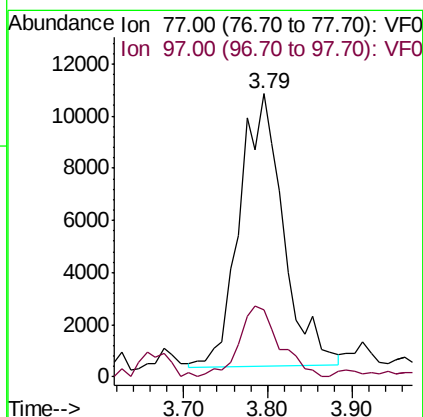
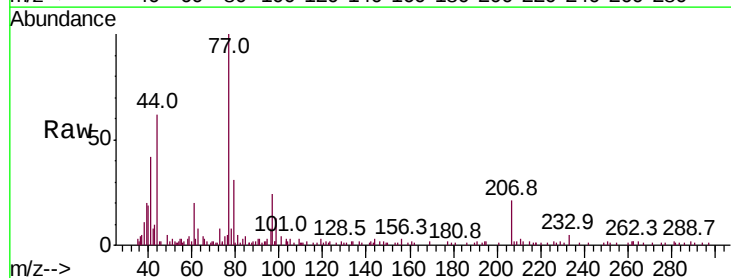
Acq: 16 May 2019 10:36

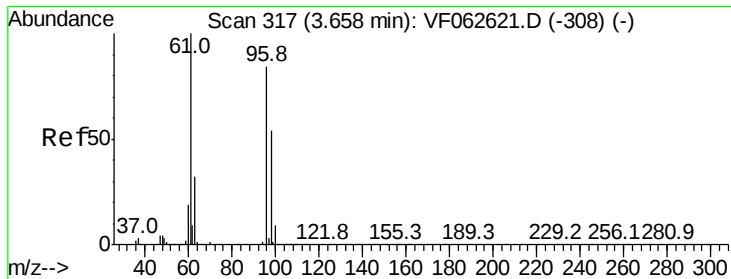
Tgt Ion: 77 Resp: 37948

Ion Ratio Lower Upper

77 100

97 23.7 14.1 42.4





#27

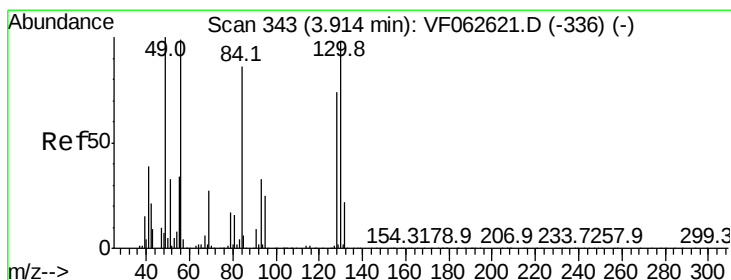
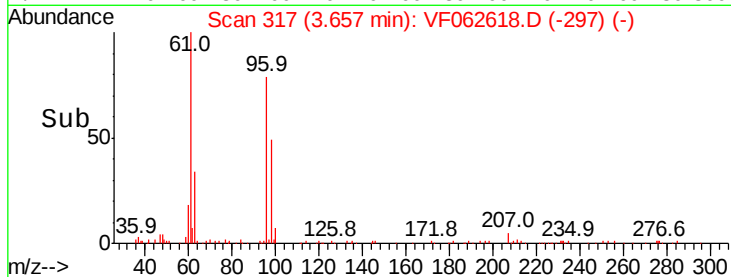
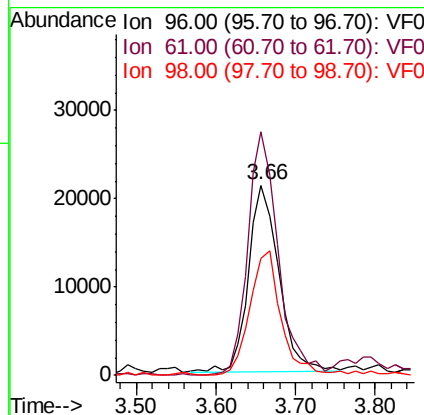
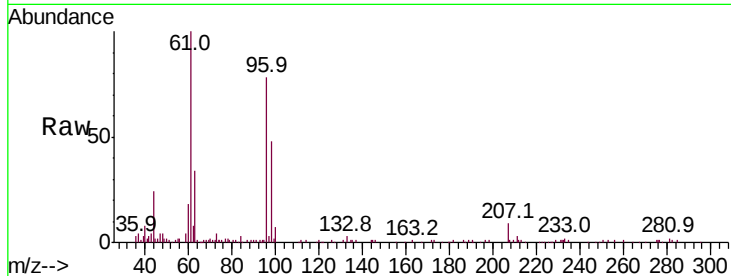
cis-1,2-Dichloroethene
Concen: 4.819 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	237.4
98	61.4	0.0	129.0

Manual Integrations
APPROVED

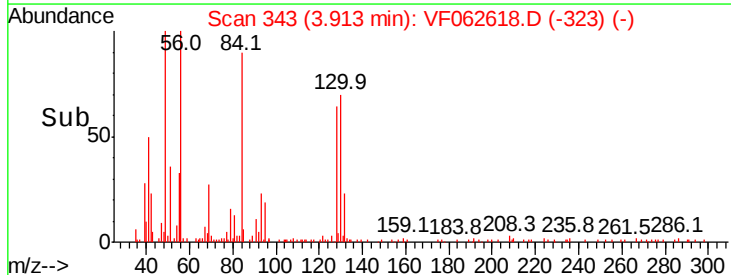
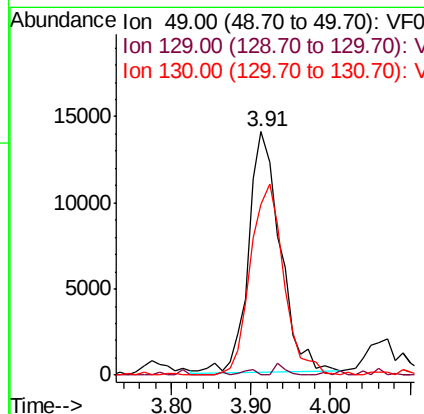
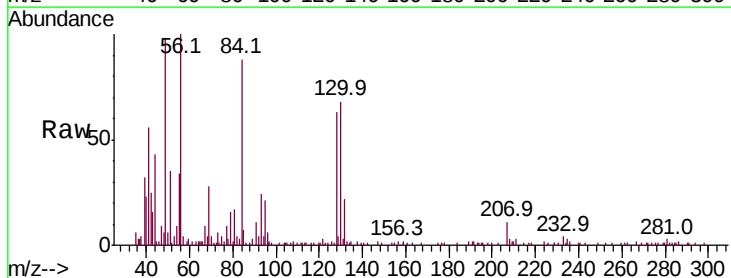
MMDadoda
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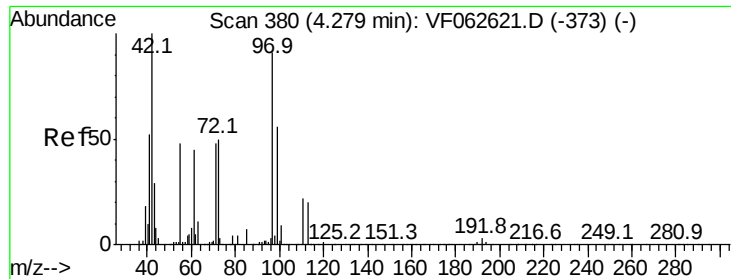


#28

Bromochloromethane
Concen: 5.829 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	69.9	77.8	116.8#





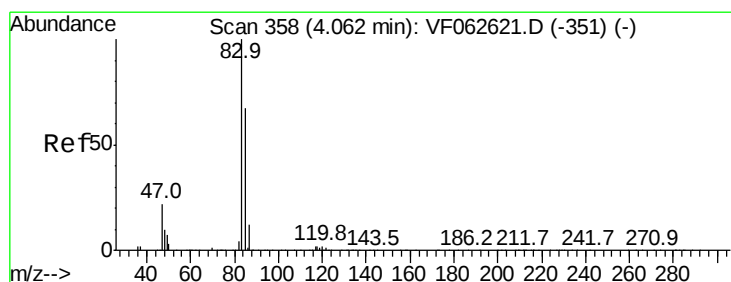
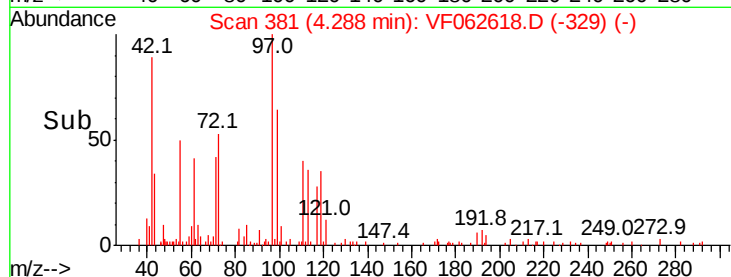
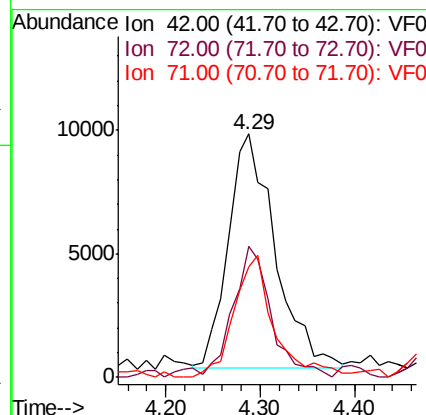
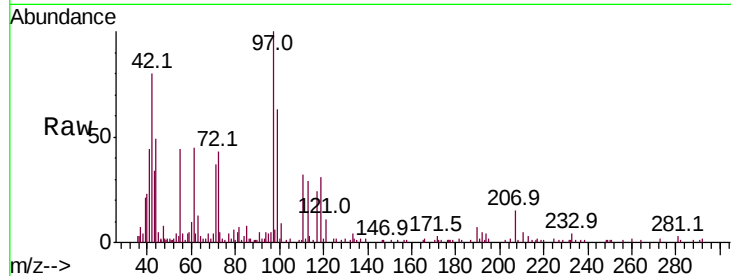
#29
Tetrahydrofuran
Concen: 25.733 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
42	100	32556		
72	47.2		38.2	57.2
71	44.8		35.8	53.6

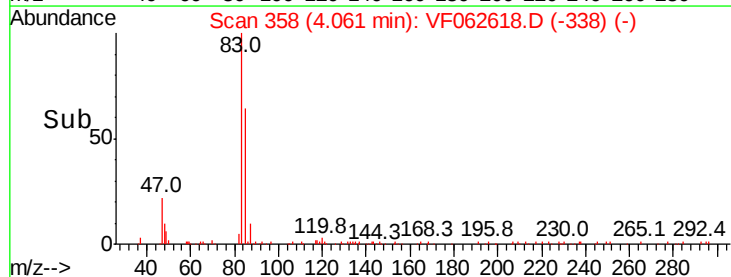
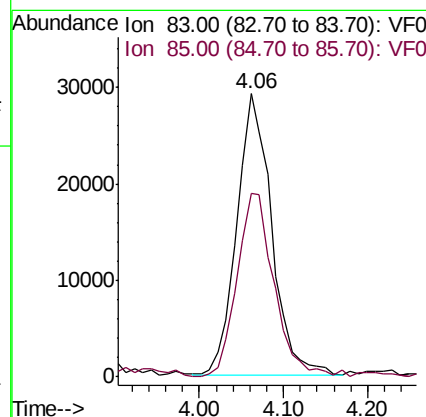
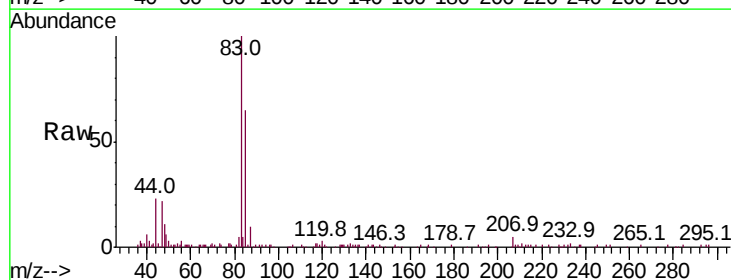
Manual Integrations
APPROVED

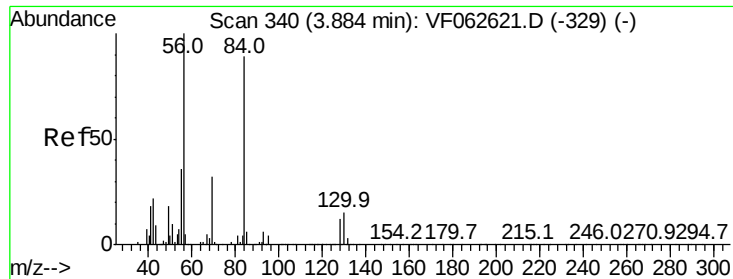
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#30
Chloroform
Concen: 5.130 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	83640		
85	64.7		53.6	80.4





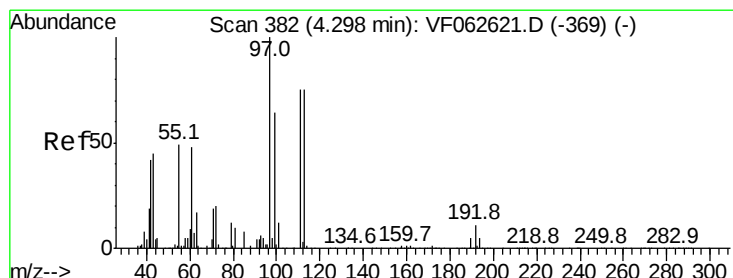
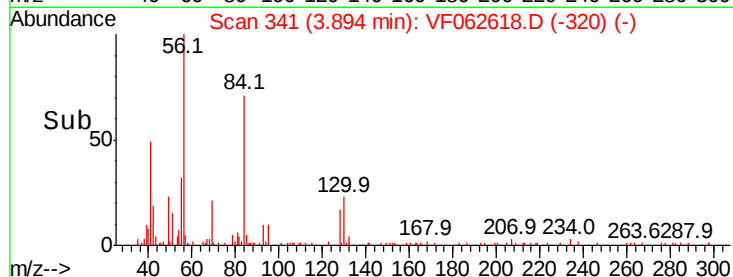
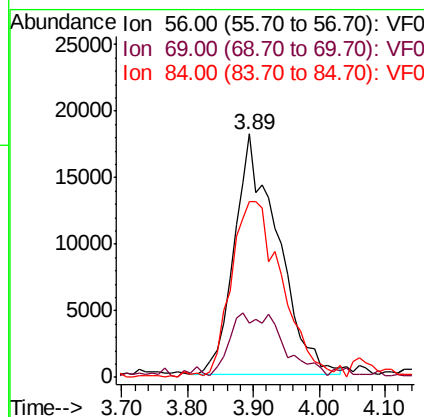
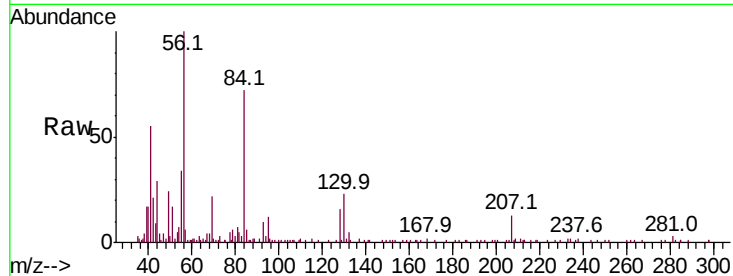
#31
Cyclohexane
Concen: 5.714 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	22.4	25.3	37.9#
84	72.0	71.0	106.4

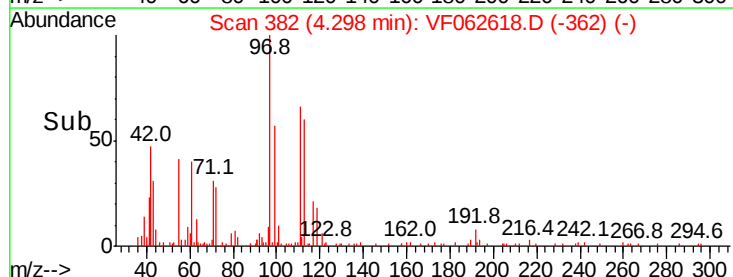
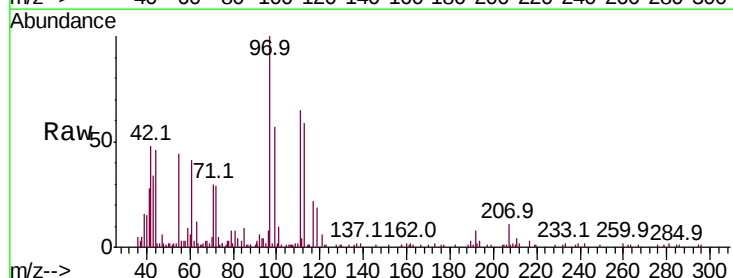
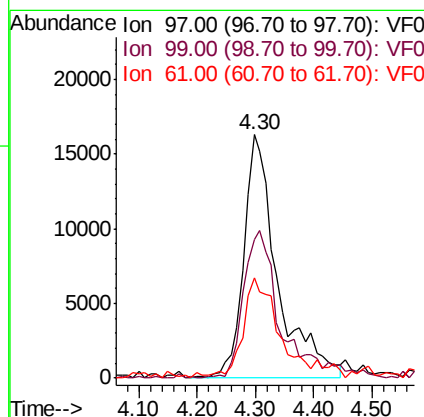
Manual Integrations
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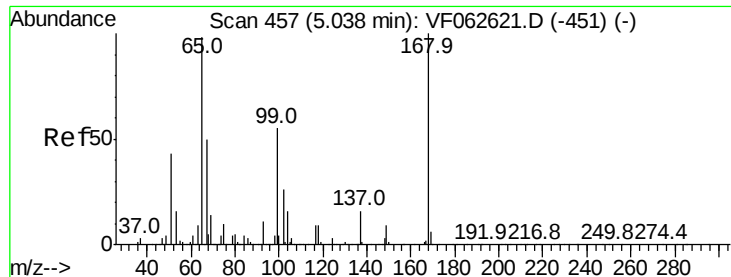
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#32
1,1,1-Trichloroethane
Concen: 6.103 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.7	51.3	76.9
61	41.2	38.2	57.2





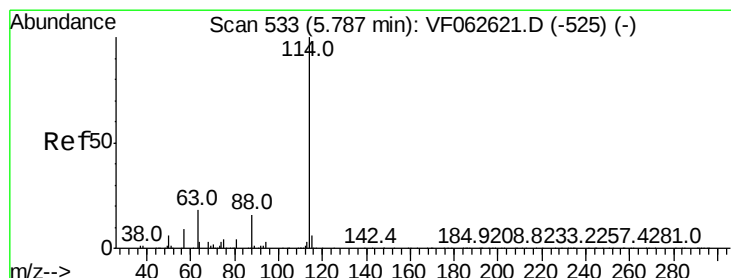
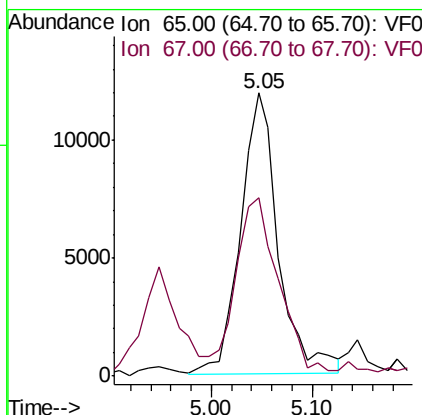
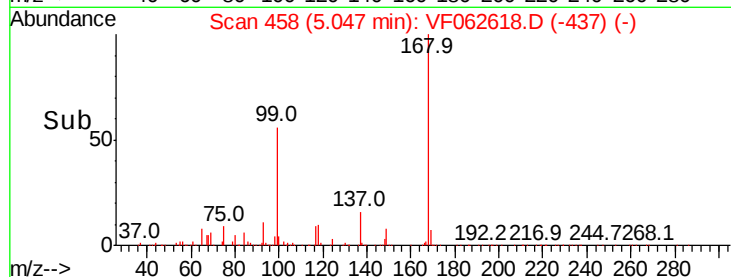
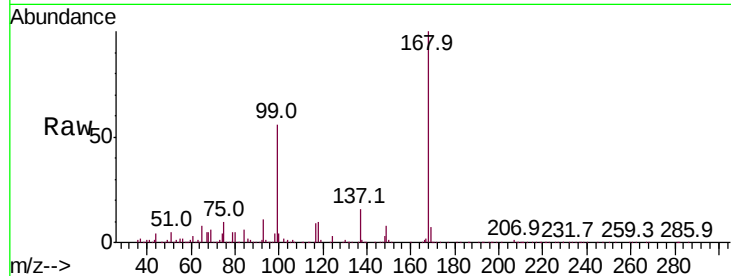
#33
 1,2-Dichloroethane-d4
 Concen: 5.491 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062618.D
 Acq: 16 May 2019 10:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 30975
 Ion Ratio Lower Upper
 65 100
 67 63.0 0.0 117.6

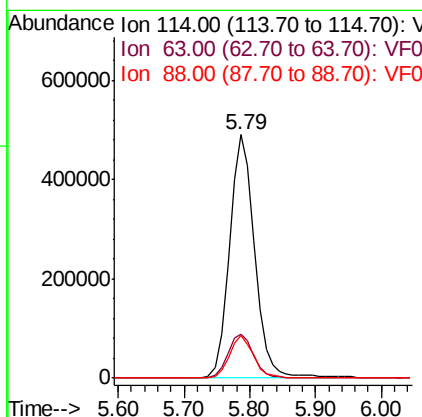
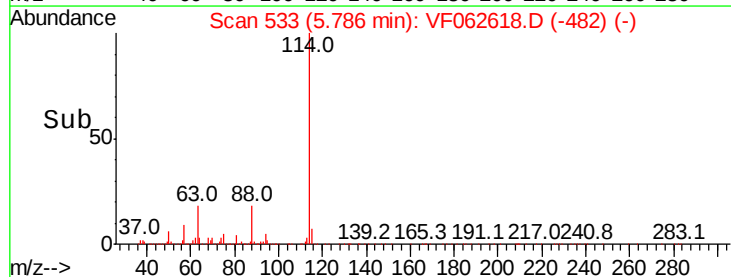
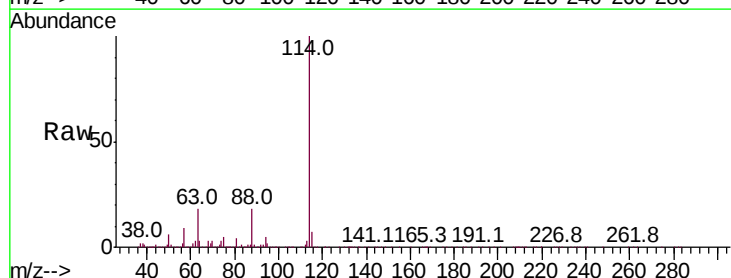
Manual Integrations
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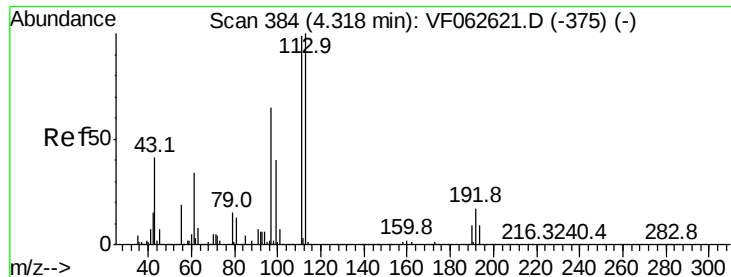
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062618.D
 Acq: 16 May 2019 10:36

Tgt Ion: 114 Resp: 1314478
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.4
 88 17.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 5.748 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

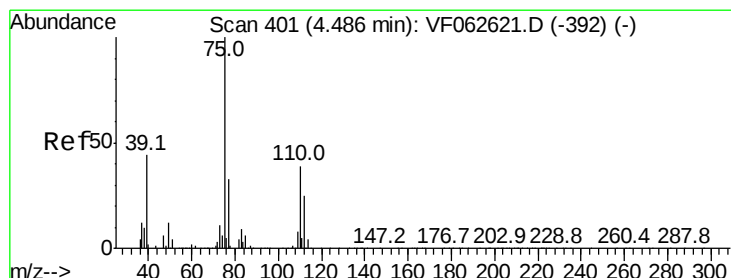
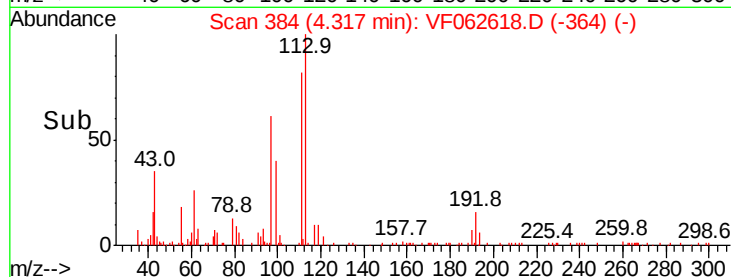
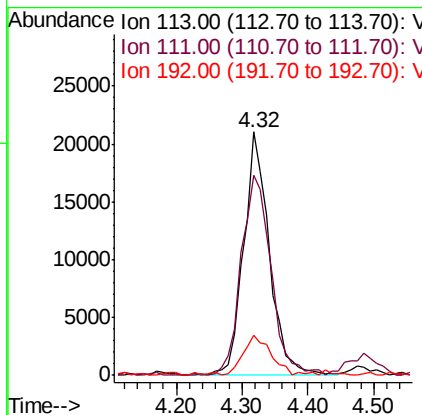
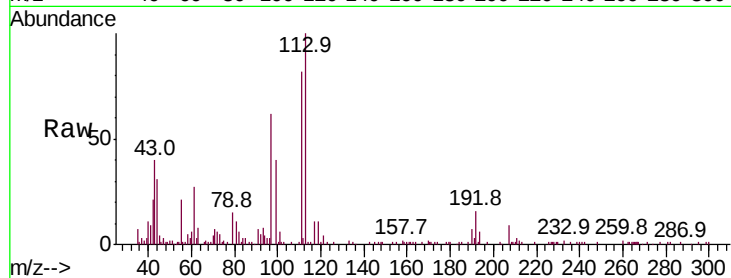
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	57819
Ion Ratio	Lower	Upper	
113	100		
111	82.1	79.4	119.2
192	16.3	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 5.046 ug/l

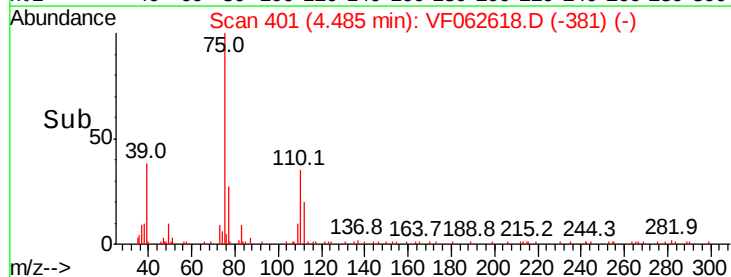
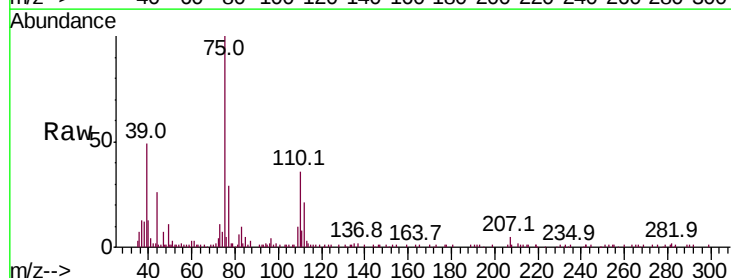
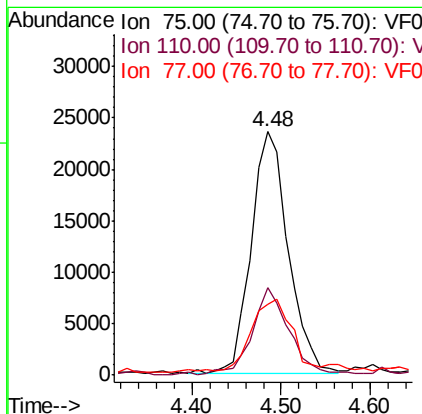
RT: 4.48 min Scan# 401

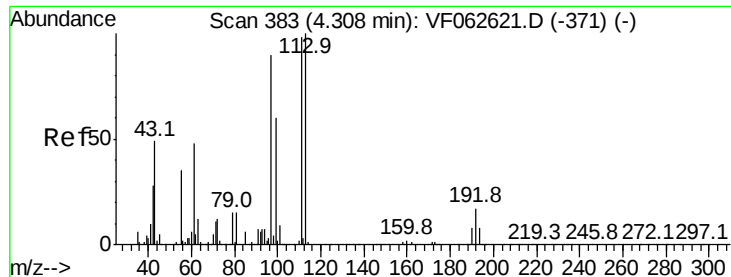
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	75	Resp:	67970
Ion Ratio	Lower	Upper	
75	100		
110	35.7	19.7	59.1
77	29.3	26.3	39.5





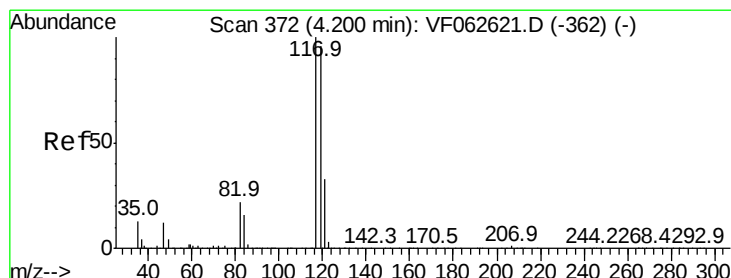
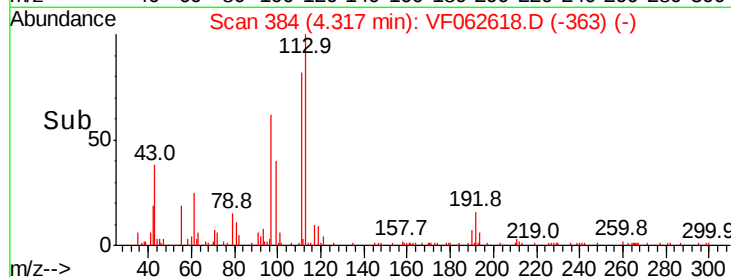
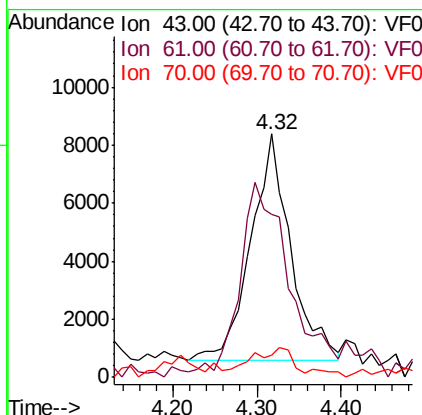
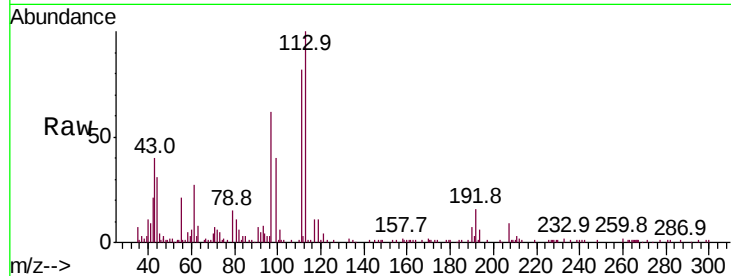
#37
Ethyl Acetate
Concen: 4.754 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	66.8	76.9	115.3#
70	9.4	8.8	13.2

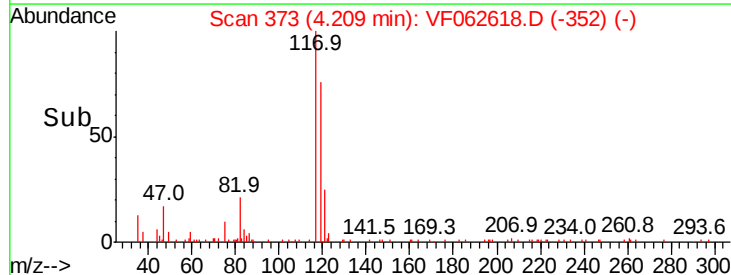
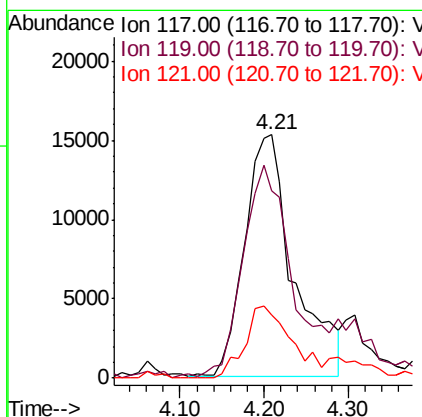
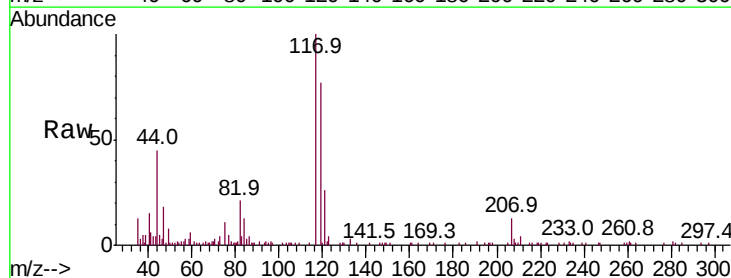
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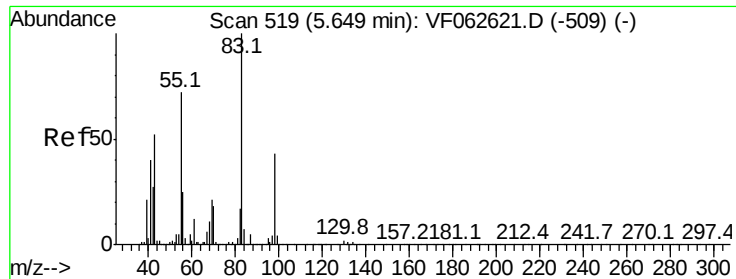
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#38
Carbon Tetrachloride
Concen: 6.578 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	77.0	76.7	115.1
121	26.1	26.6	40.0#





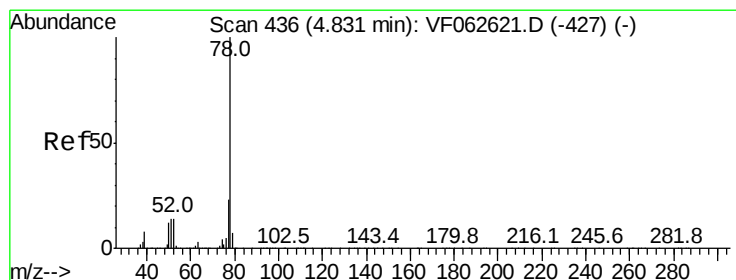
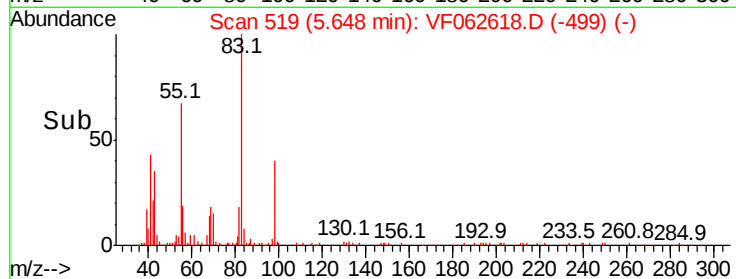
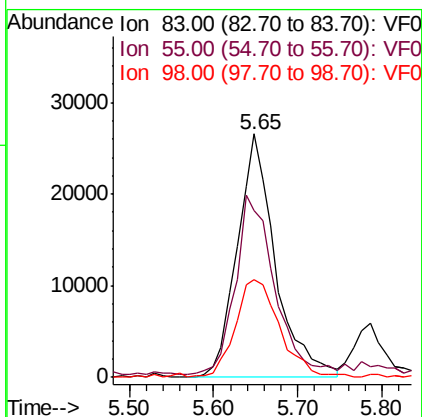
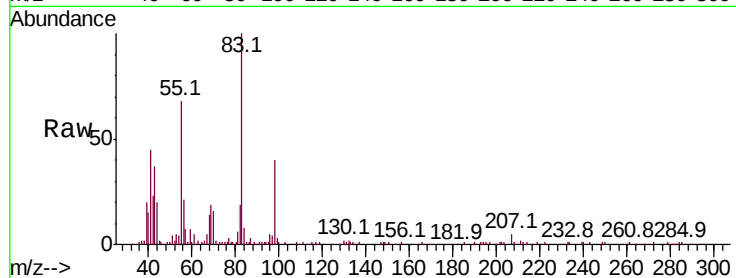
#39
Methylvlcyclohexane
Concen: 5.195 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.3		57.9	86.9
98	40.0		34.6	52.0

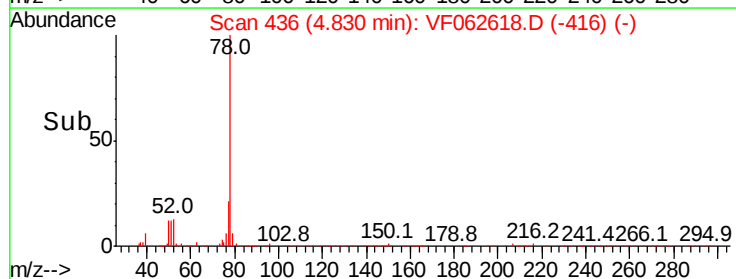
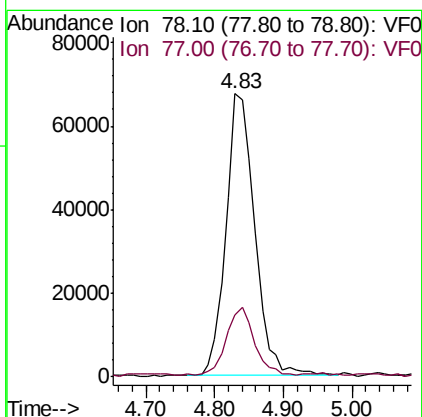
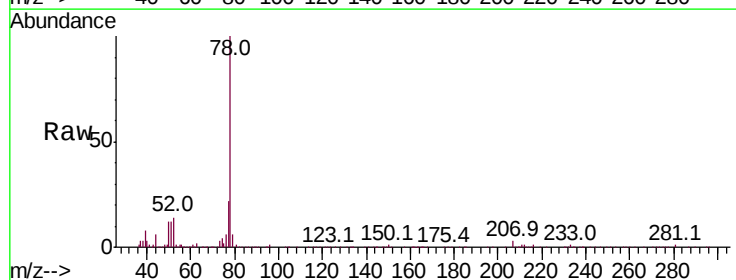
Manual Integrations
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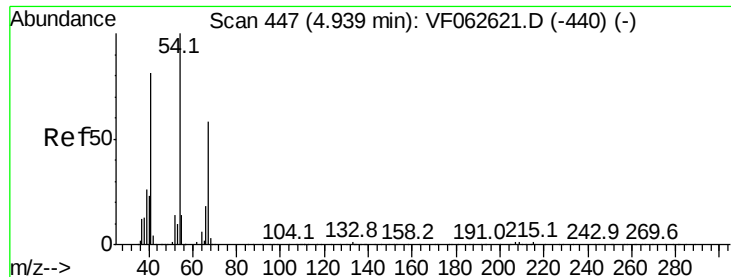
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#40
Benzene
Concen: 5.325 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.0		18.2	27.2





#41

Methacrylonitrile

Concen: 4.657 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

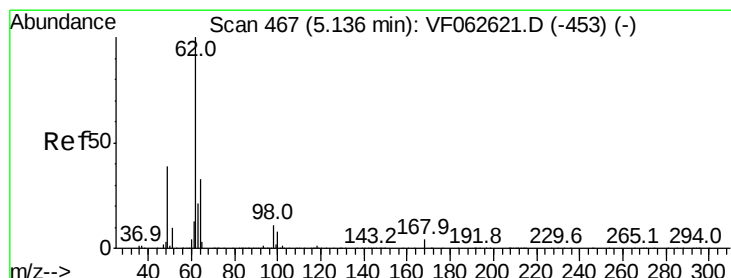
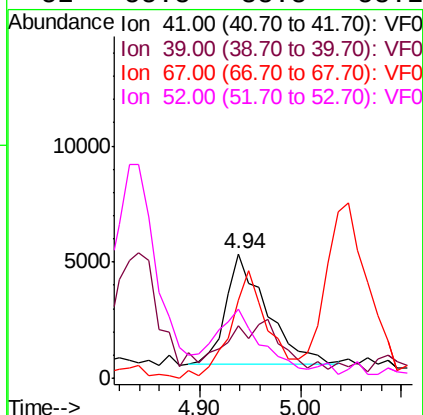
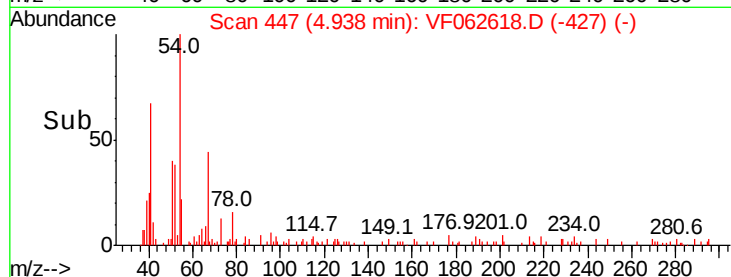
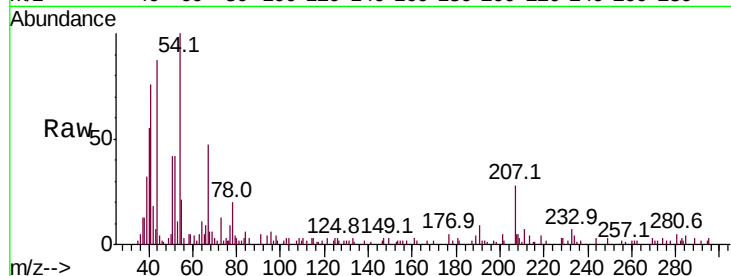
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.1	42.2	63.2#
67	62.6	56.4	84.6
52	55.8	38.8	58.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 4.338 ug/l

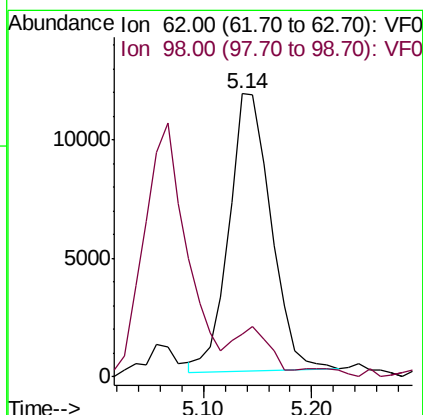
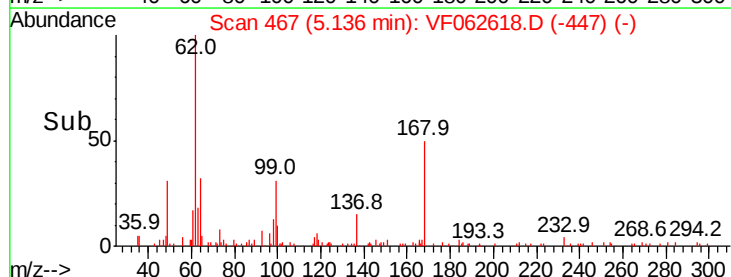
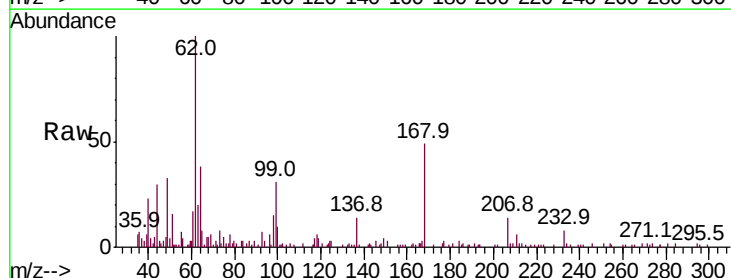
RT: 5.14 min Scan# 467

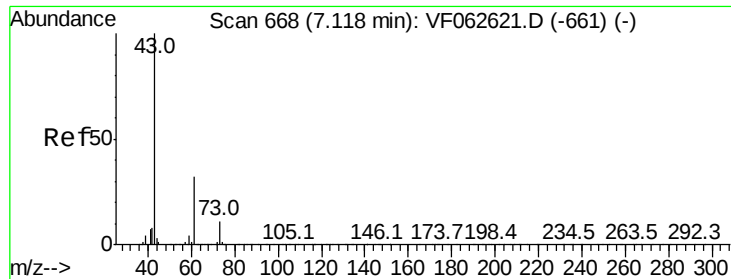
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	15.0	0.0	21.6





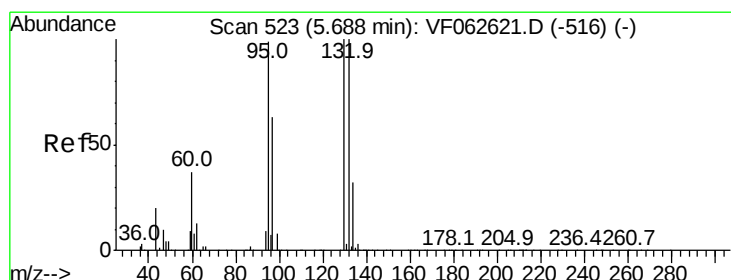
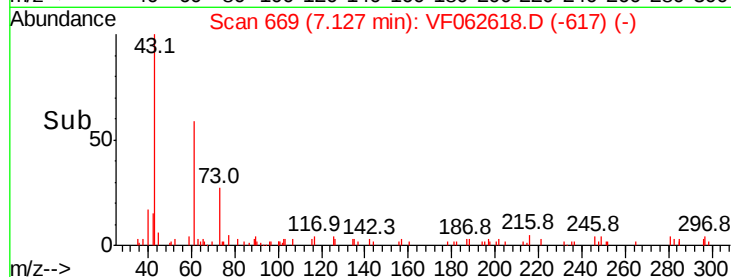
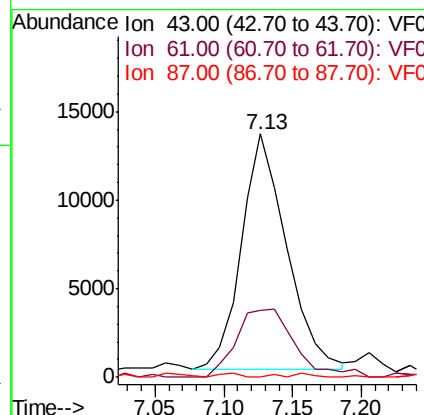
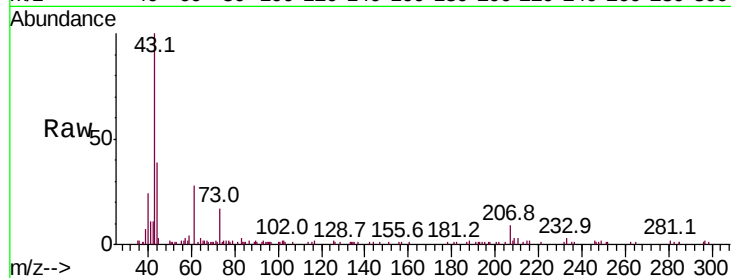
#43
Isopropyl Acetate
Concen: 4.277 ug/l
RT: 7.13 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	25.8	38.8
87	0.0	0.4	0.6

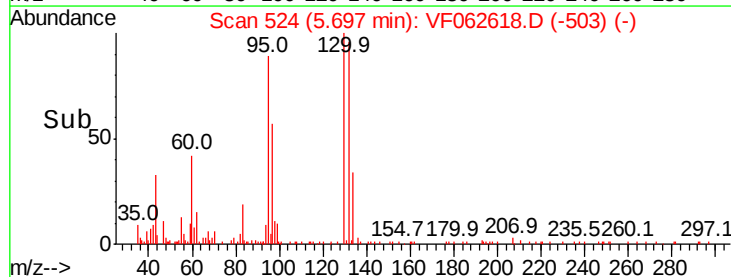
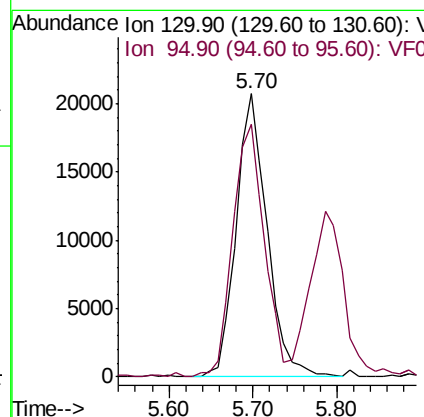
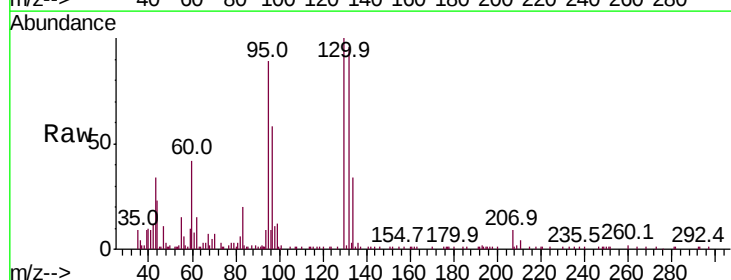
Manual Integrations
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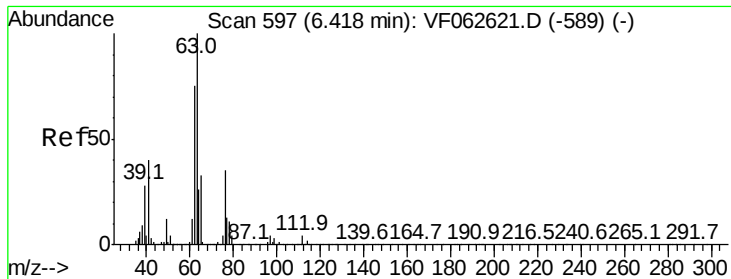
MMDadoda
5/17/2019 4:19:54 PM



#44
Trichloroethene
Concen: 5.142 ug/l
RT: 5.70 min Scan# 524
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	199.4





#45

1,2-Dichloropropane

Concen: 5.300 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 49096

Ion Ratio Lower Upper

63 100

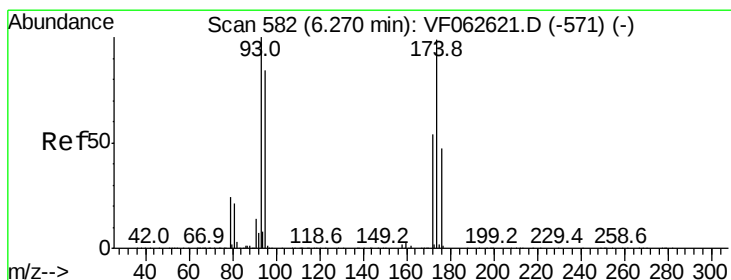
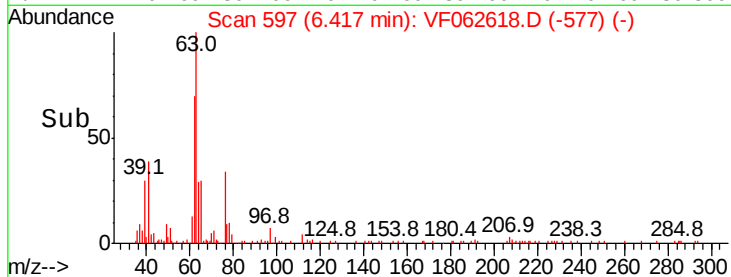
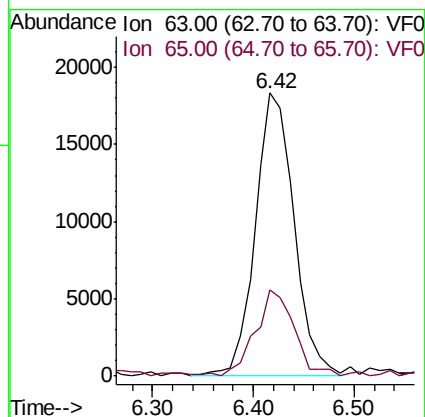
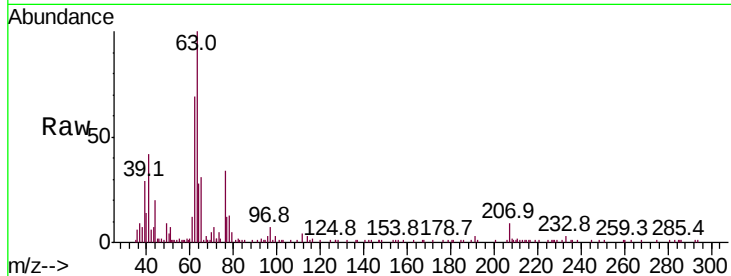
65 30.5 26.3 39.5

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#46

Dibromomethane

Concen: 4.807 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

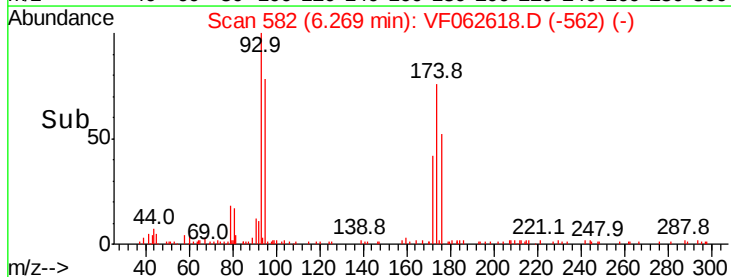
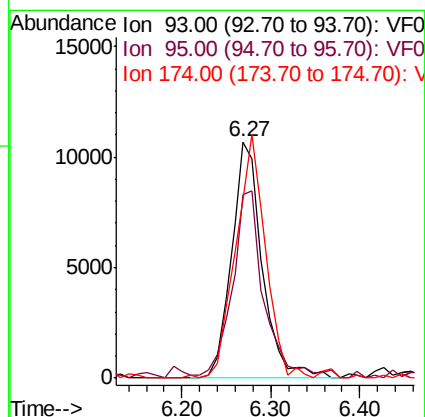
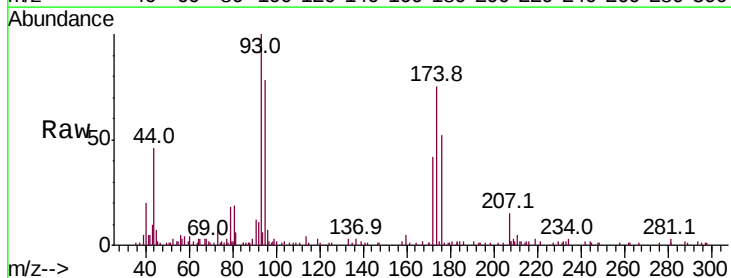
Tgt Ion: 93 Resp: 25734

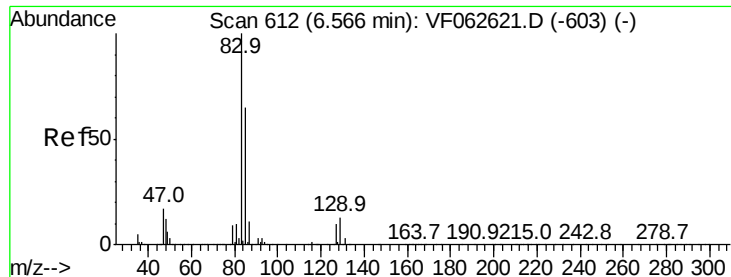
Ion Ratio Lower Upper

93 100

95 77.5 67.4 101.2

174 77.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 5.046 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

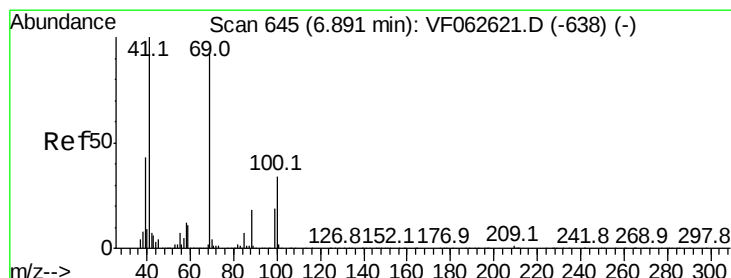
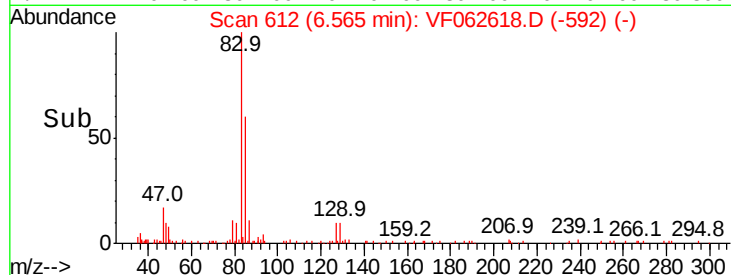
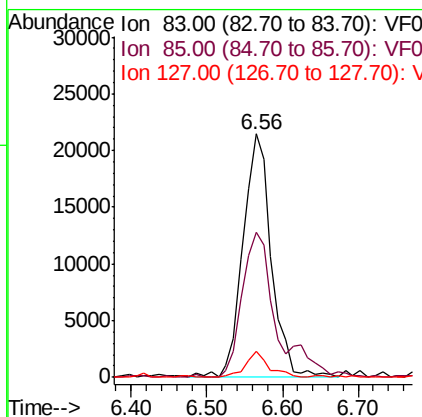
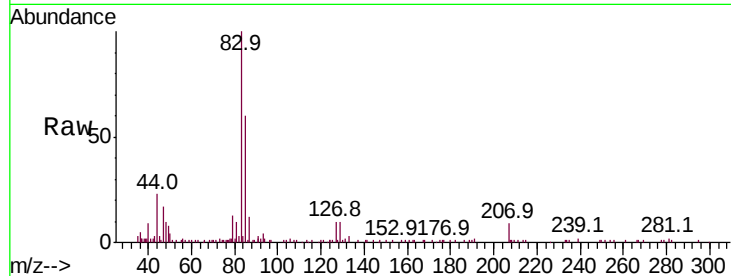
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	56079
Ion	Ratio	Lower	Upper
83	100		
85	59.7	52.0	78.0
127	10.5	7.7	11.5

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#48

Methyl methacrylate

Concen: 5.185 ug/l

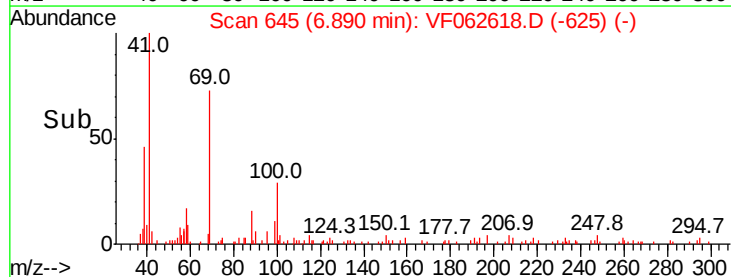
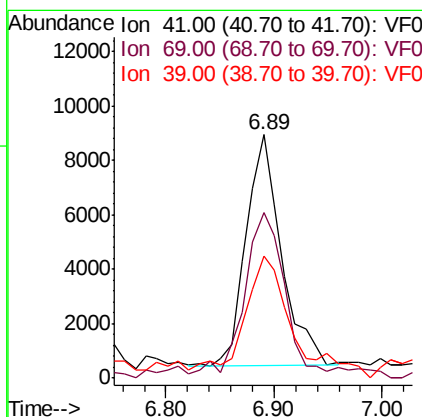
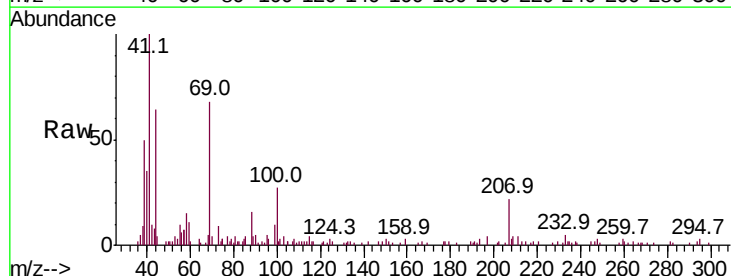
RT: 6.89 min Scan# 645

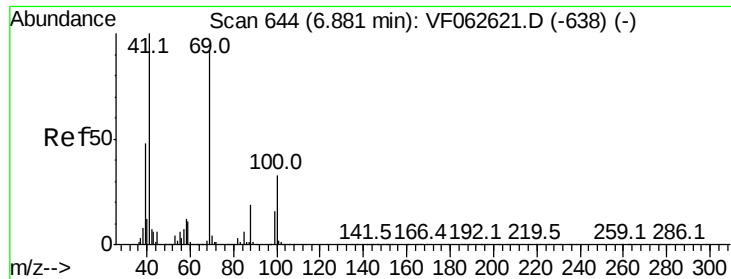
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	41	Resp:	19311
Ion	Ratio	Lower	Upper
41	100		
69	67.9	74.2	111.2#
39	50.0	34.2	51.4





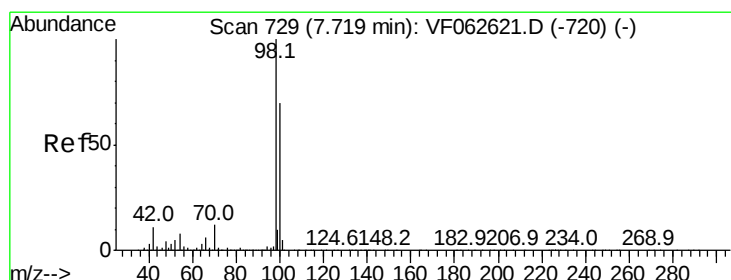
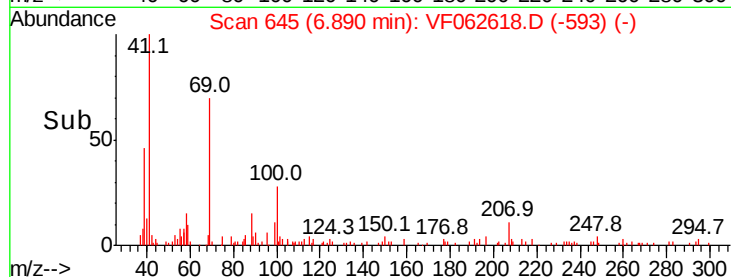
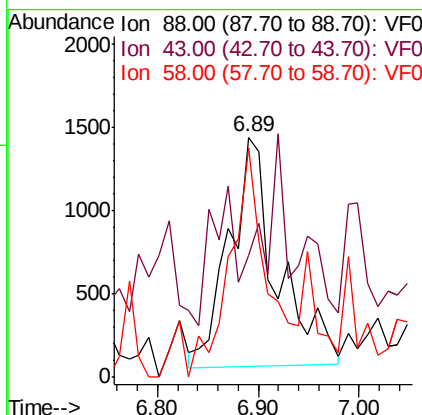
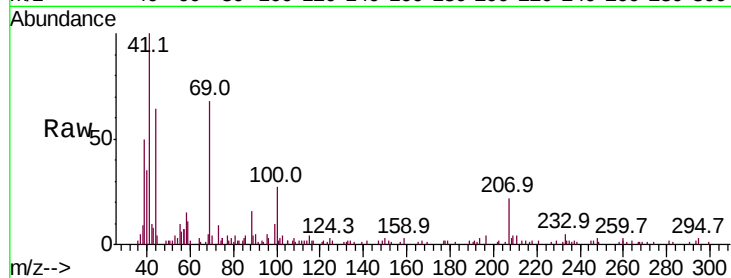
#49
1,4-Dioxane
Concen: 94.659 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.1	30.0	45.0#
58	95.6	51.1	76.7#

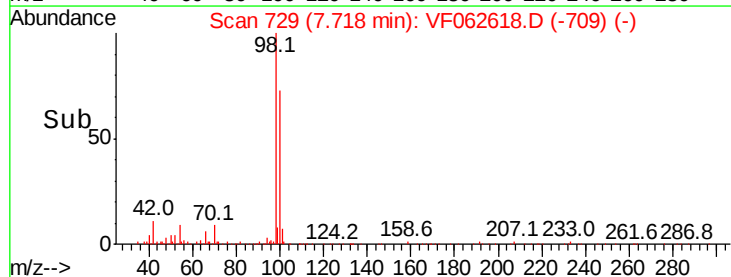
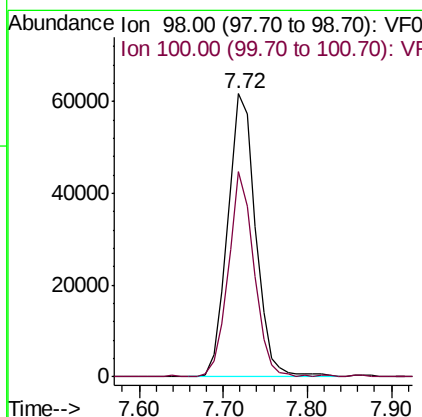
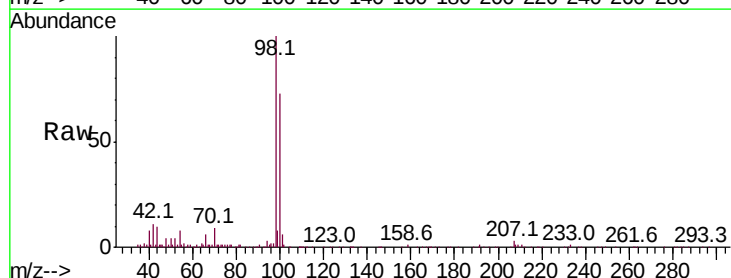
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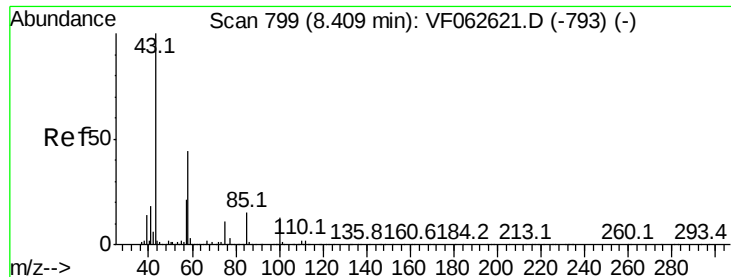
MMDadoda
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#50
Toluene-d8
Concen: 5.922 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.7	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 23.866 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 116229

Ion Ratio Lower Upper

43 100

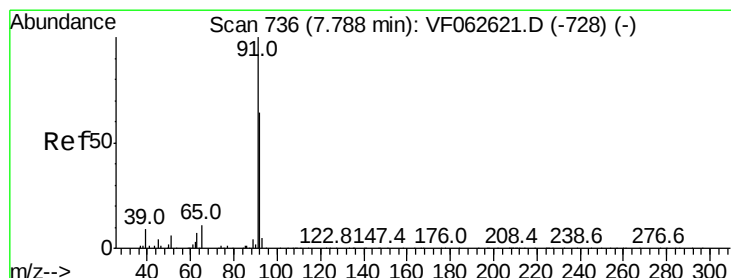
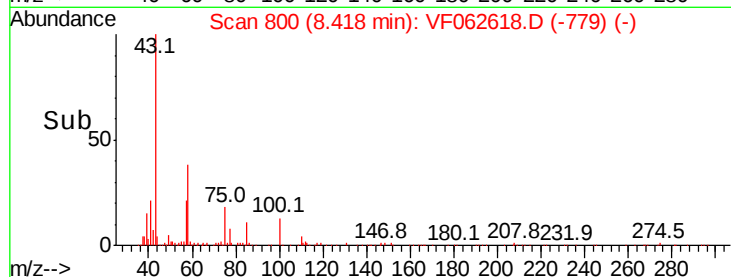
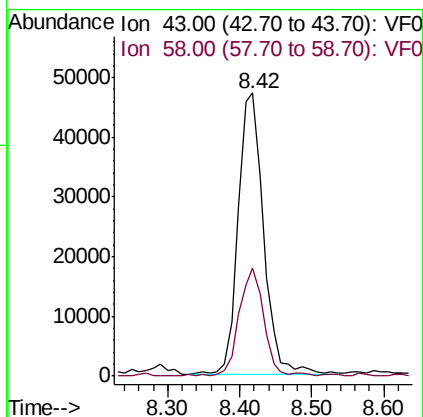
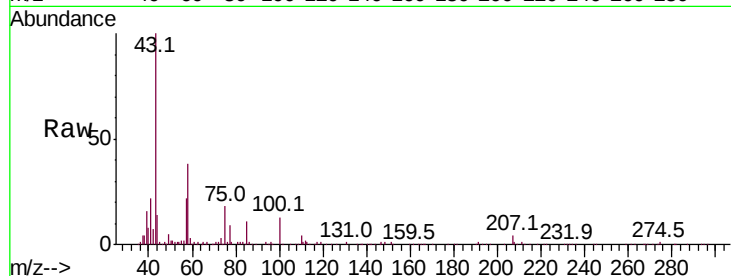
58 38.2 34.9 52.3

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#52

Toluene

Concen: 5.232 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062618.D

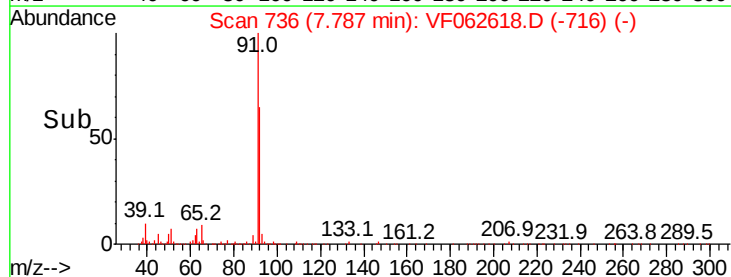
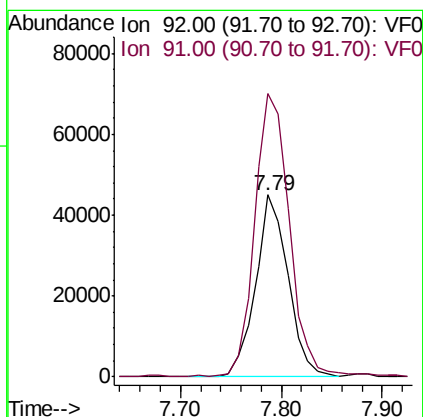
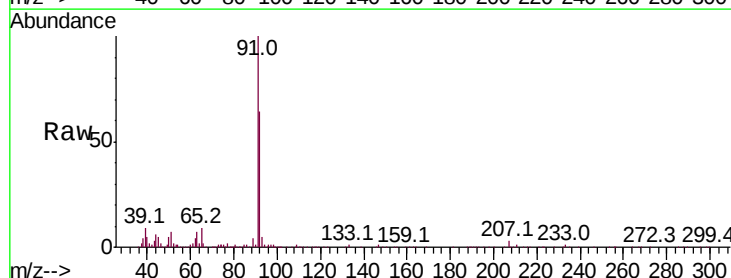
Acq: 16 May 2019 10:36

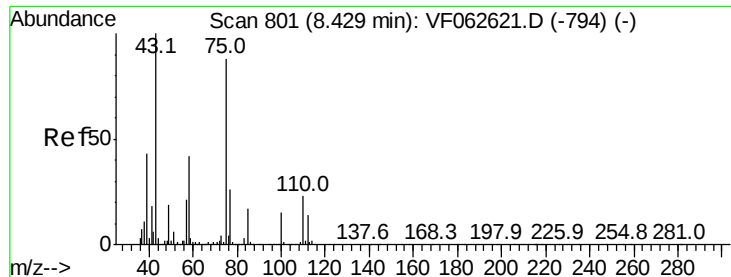
Tgt Ion: 92 Resp: 100691

Ion Ratio Lower Upper

92 100

91 155.7 125.4 188.0





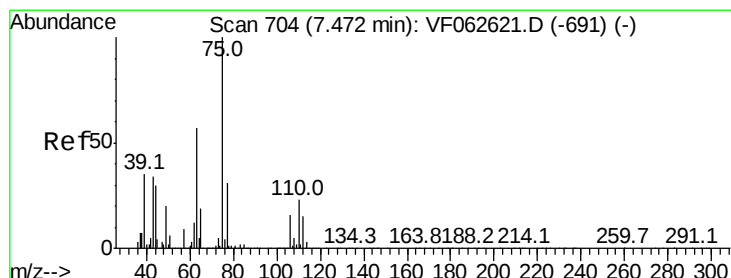
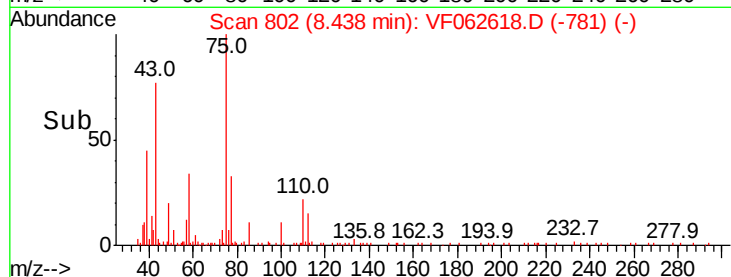
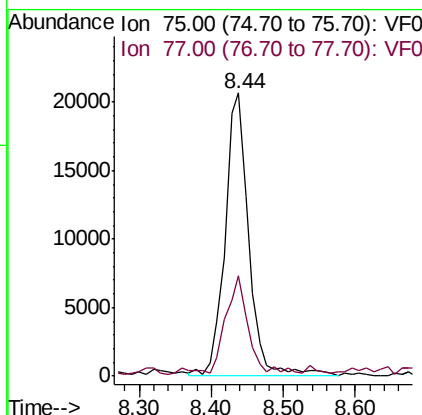
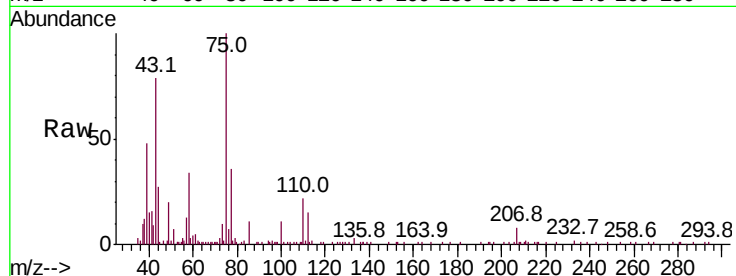
#53
t-1,3-Dichloropropene
Concen: 5.203 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 47307
Ion Ratio Lower Upper
75 100
77 35.7 24.2 36.4

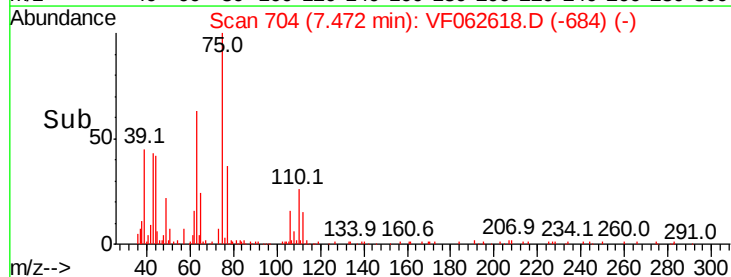
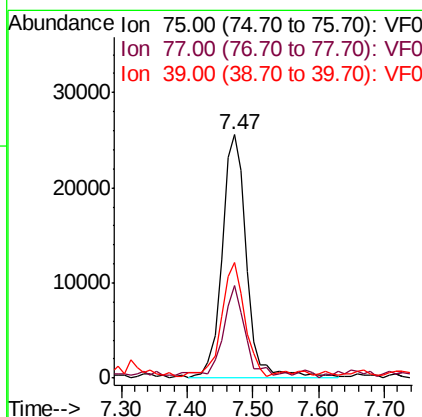
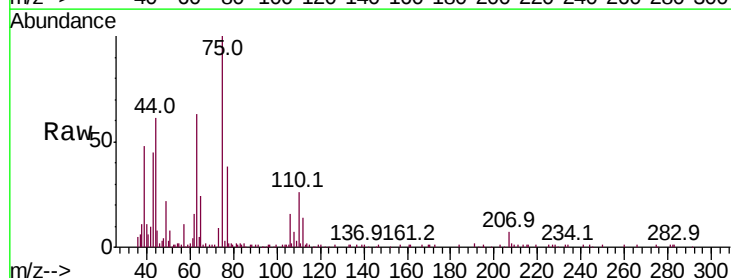
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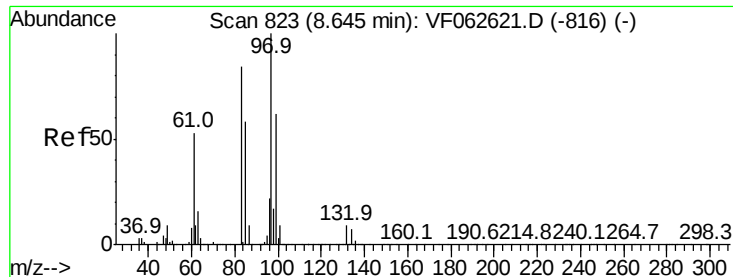
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.262 ug/l
RT: 7.47 min Scan# 704
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion: 75 Resp: 66978
Ion Ratio Lower Upper
75 100
77 38.1 25.3 37.9#
39 47.5 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 5.207 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

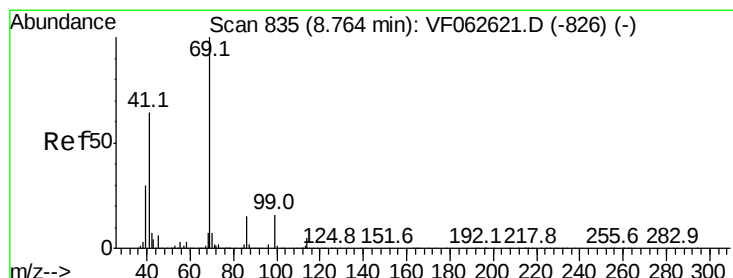
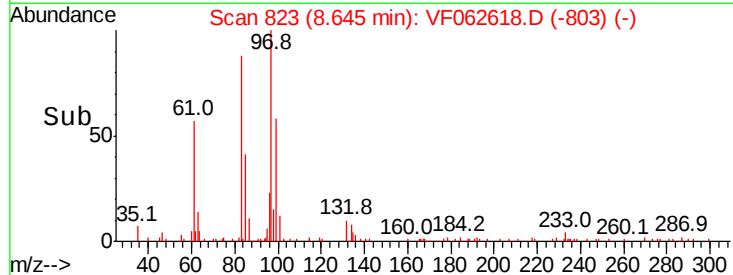
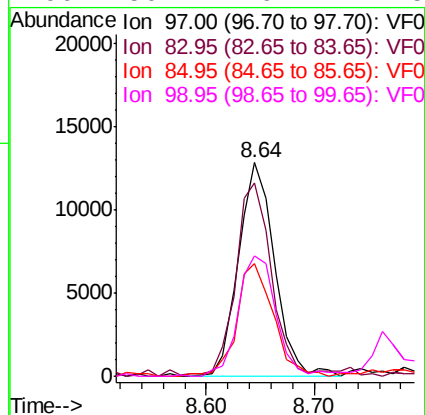
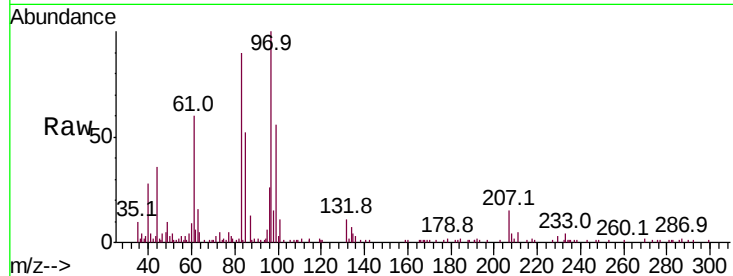
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		29667		
83	90.3	67.3	100.9		
85	52.5	46.6	69.8		
99	56.4	49.7	74.5		

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#56

Ethyl methacrylate

Concen: 5.031 ug/l

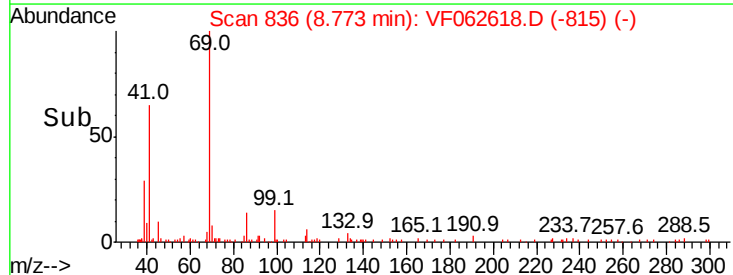
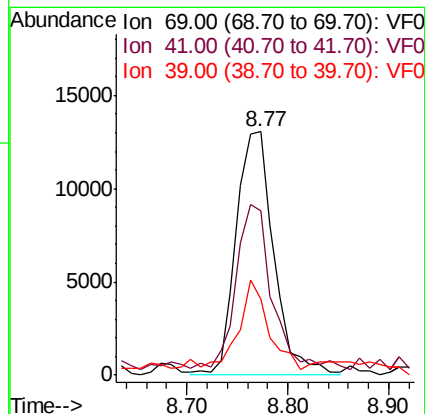
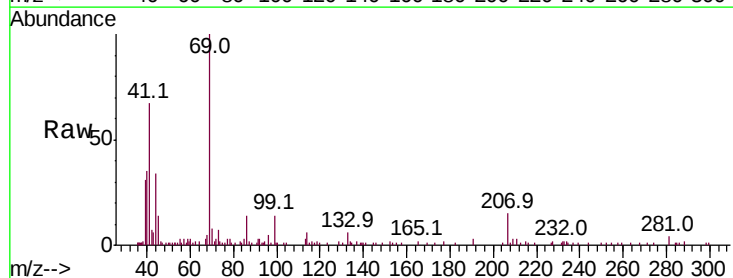
RT: 8.77 min Scan# 836

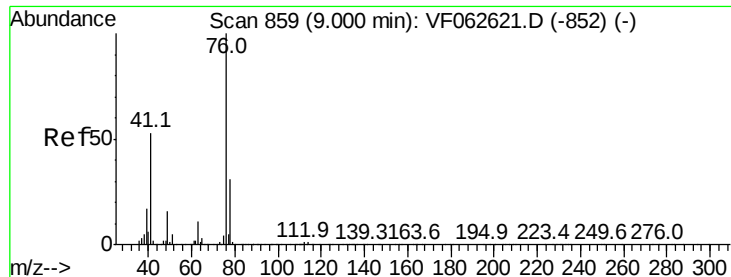
Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34151		
41	67.2	51.4	77.2		
39	31.3	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 5.094 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062618.D

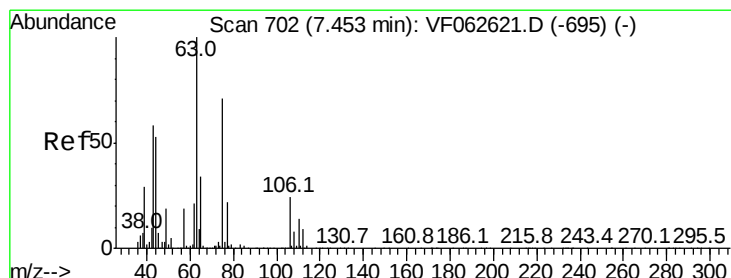
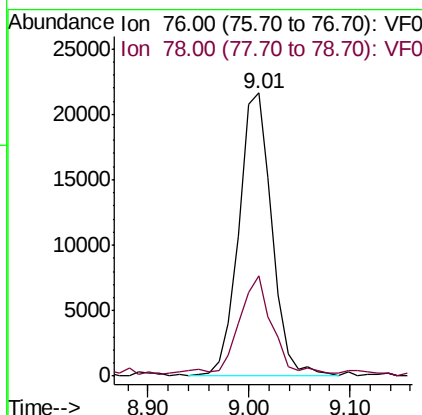
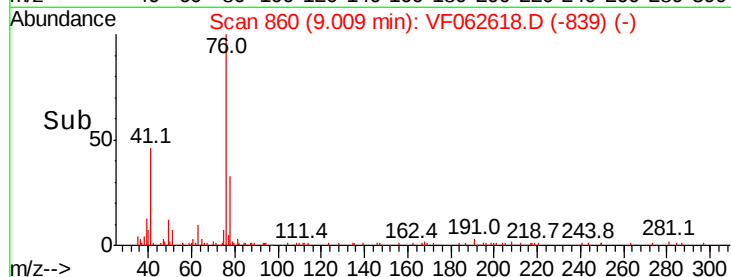
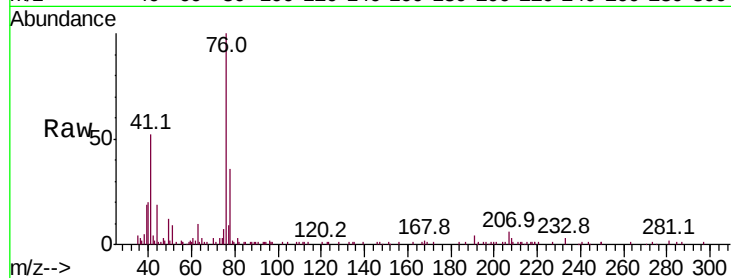
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.7	25.4	38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 23.915 ug/l

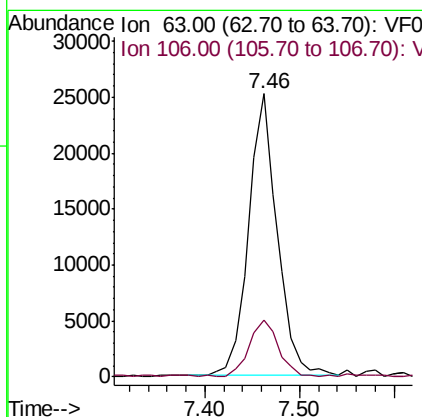
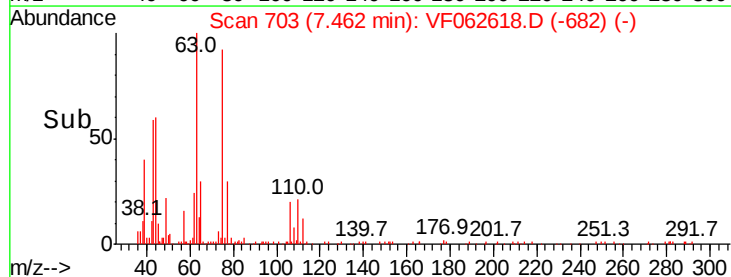
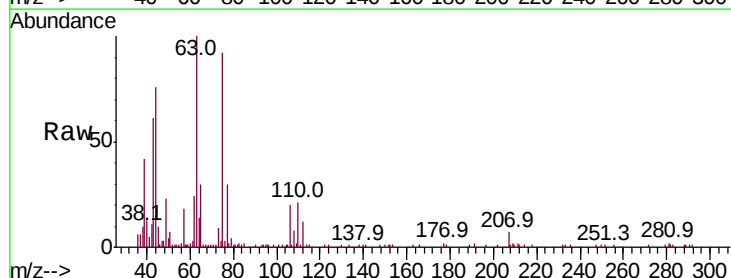
RT: 7.46 min Scan# 703

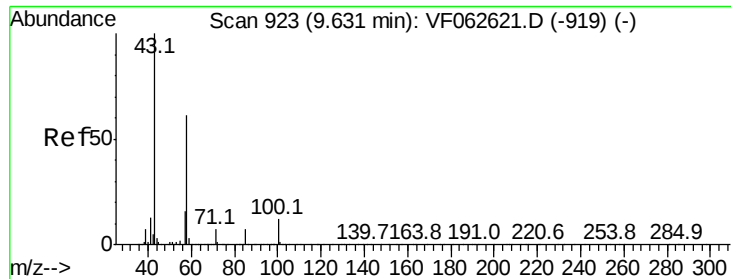
Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	20.0	19.1	28.7





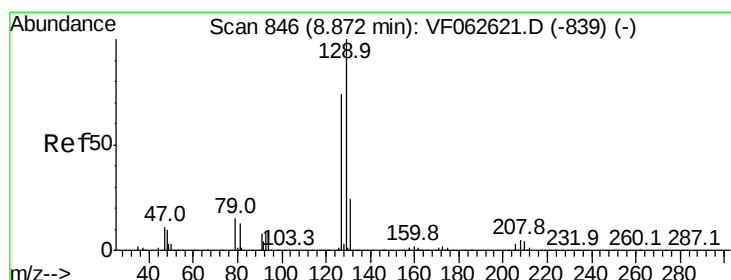
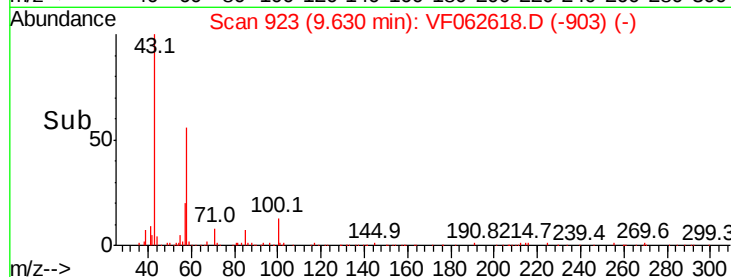
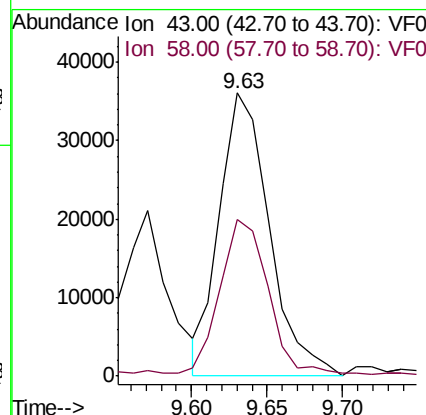
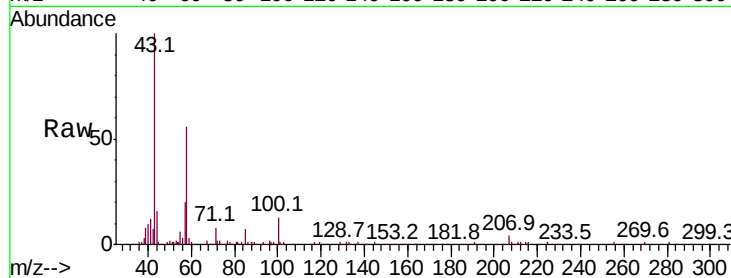
#59
2-Hexanone
Concen: 23.243 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.1	84.4

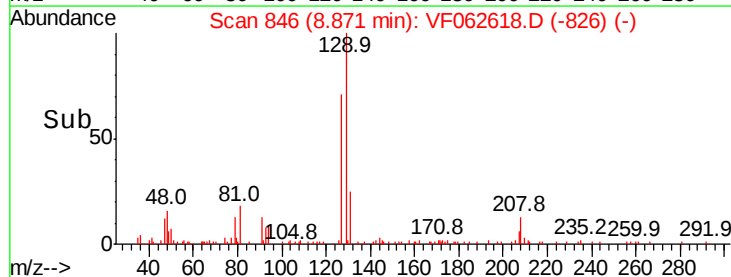
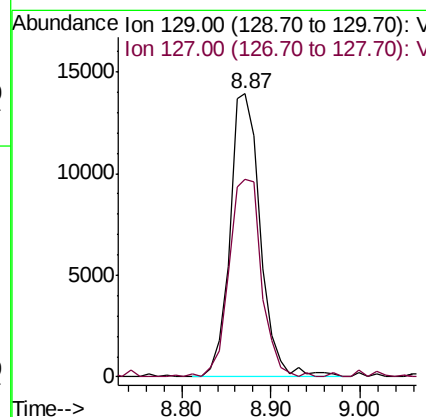
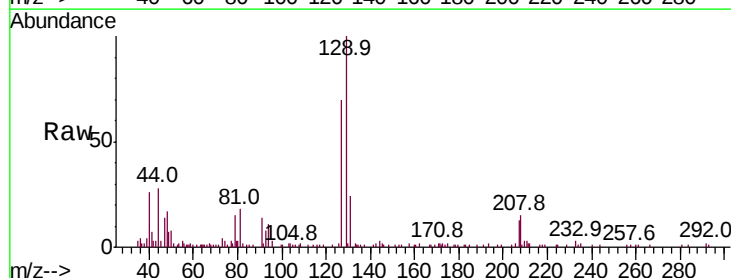
Manual Integrations
APPROVED

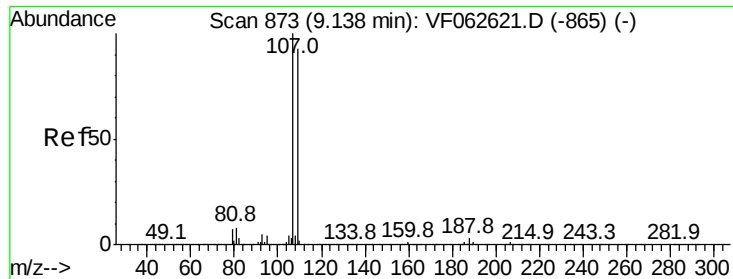
MMDadoda
5/17/2019 4:19:54 PM



#60
Dibromochloromethane
Concen: 4.501 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	69.9	37.2	111.6





#61

1,2-Dibromoethane

Concen: 5.123 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 31006

Ion Ratio Lower Upper

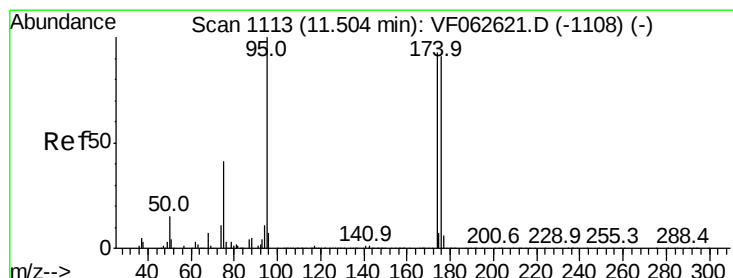
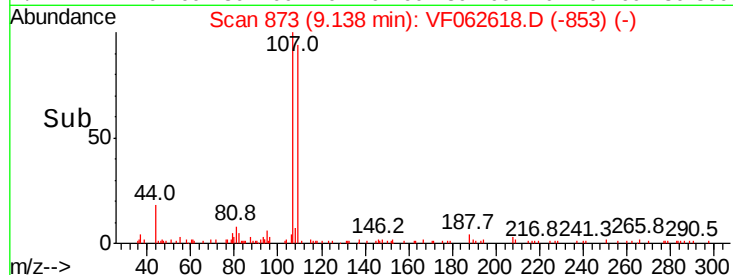
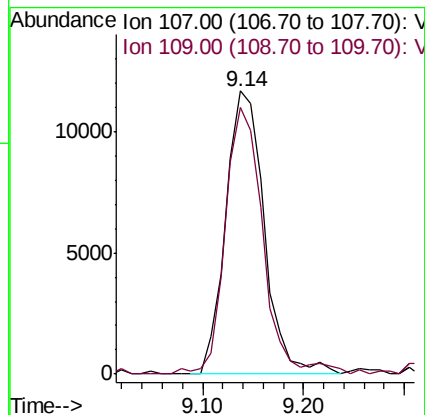
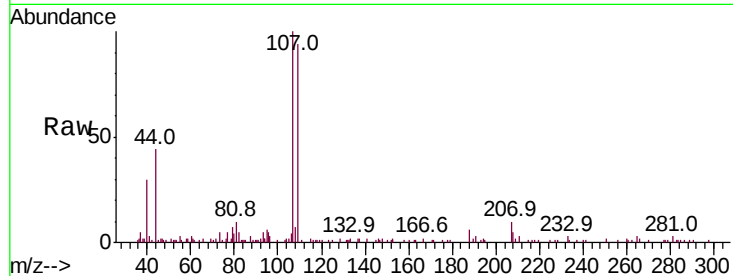
107 100

109 94.2 74.8 112.2

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 5.771 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

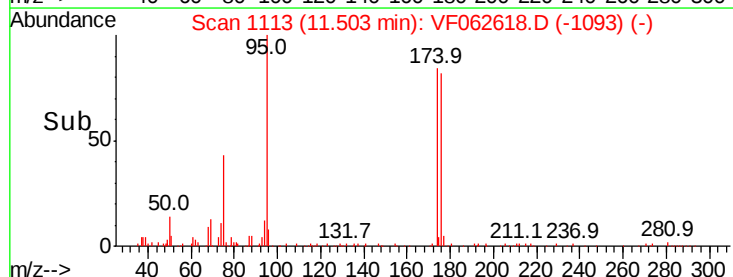
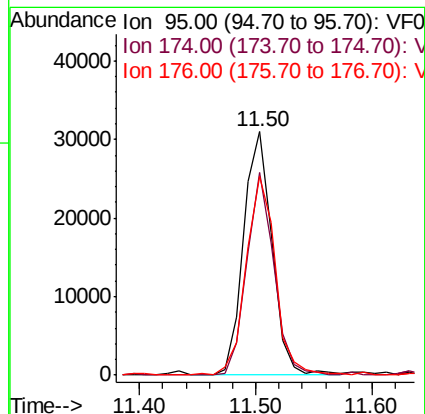
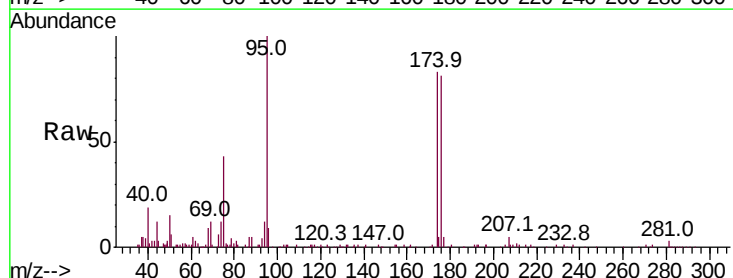
Tgt Ion: 95 Resp: 52563

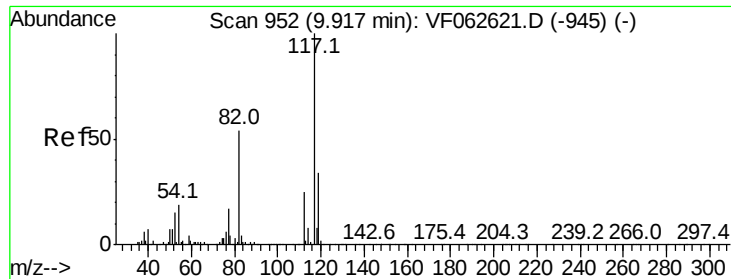
Ion Ratio Lower Upper

95 100

174 83.4 0.0 185.6

176 81.5 0.0 182.4





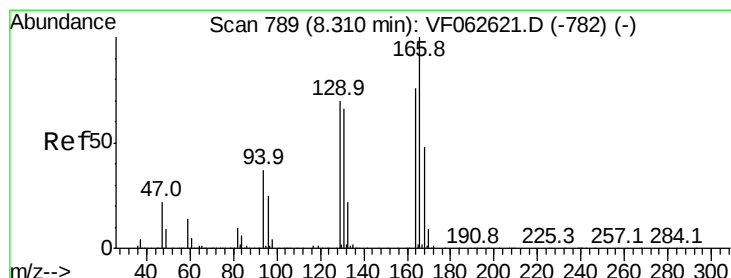
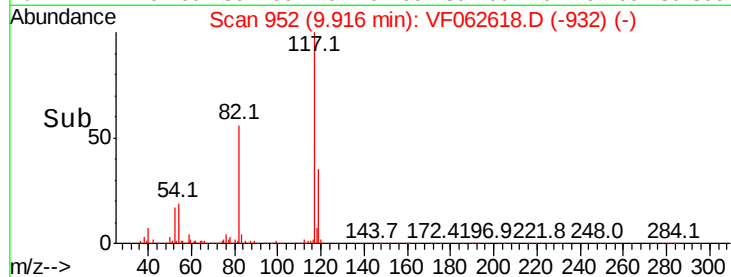
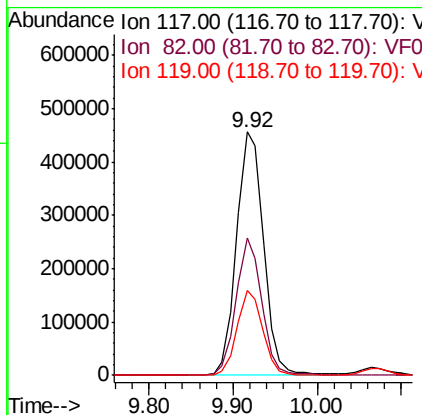
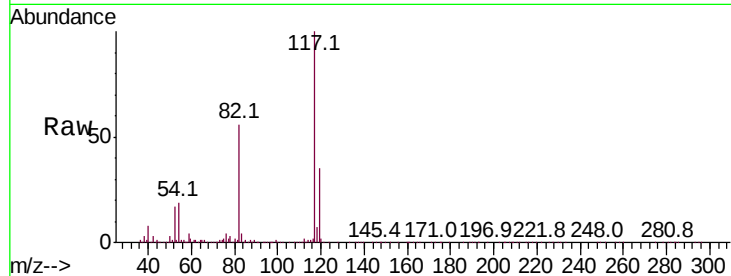
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.3	64.9
119	34.9	27.4	41.0

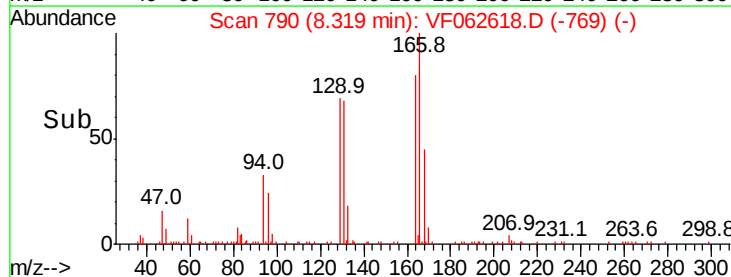
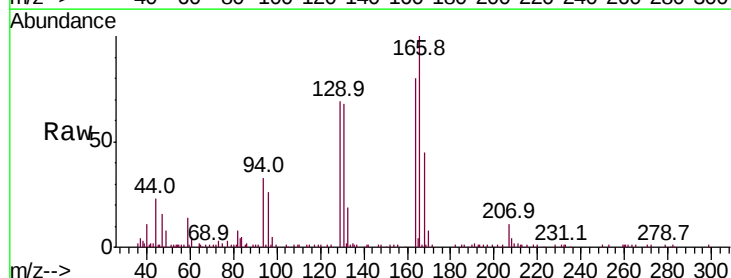
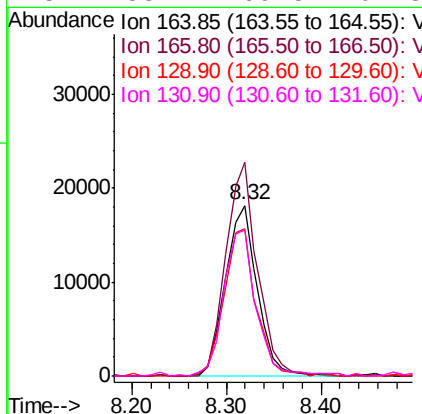
Manual Integrations
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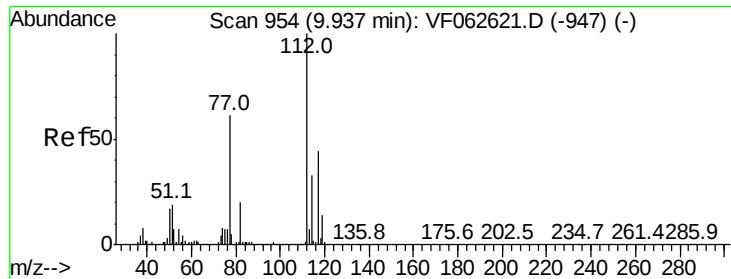
MMDadoda
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#64
Tetrachloroethene
Concen: 5.232 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	105.5	158.3
129	86.3	73.8	110.6
131	85.4	69.5	104.3





#65

Chlorobenzene

Concen: 4.991 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 100339

Ion Ratio Lower Upper

112 100

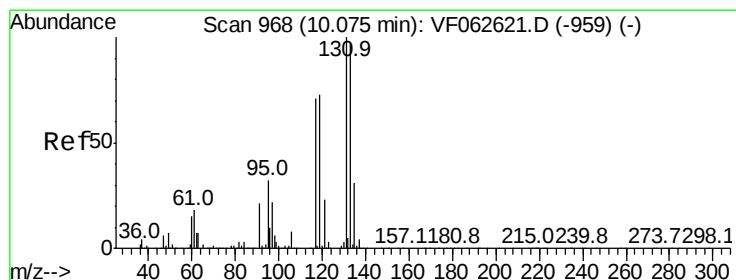
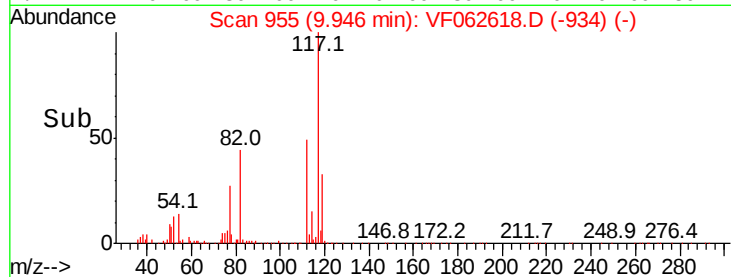
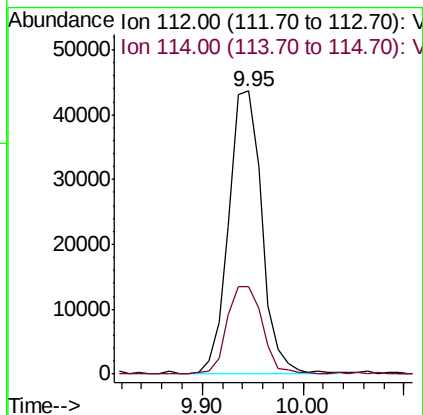
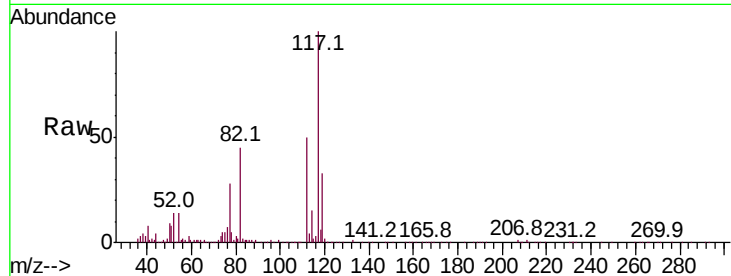
114 31.1 26.8 40.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.061 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

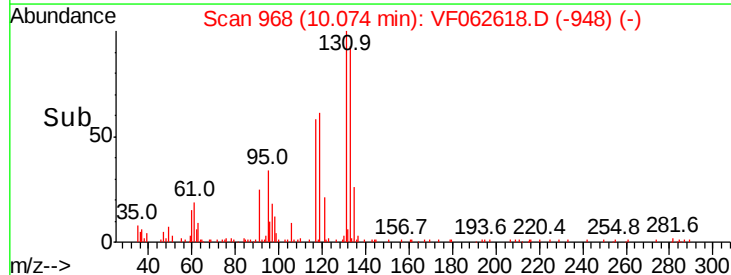
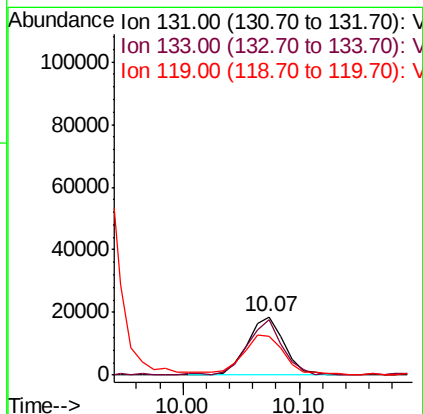
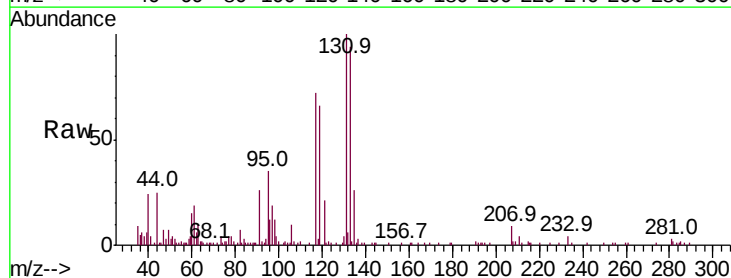
Tgt Ion:131 Resp: 40846

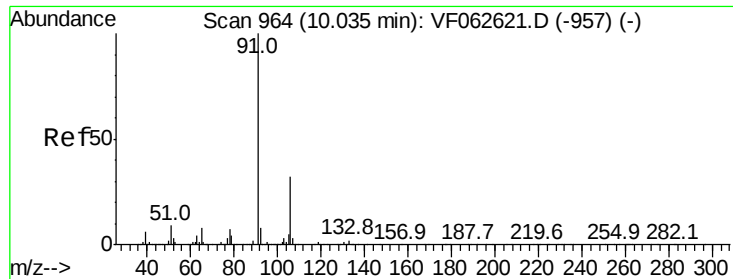
Ion Ratio Lower Upper

131 100

133 94.3 48.5 145.5

119 66.4 36.8 110.4





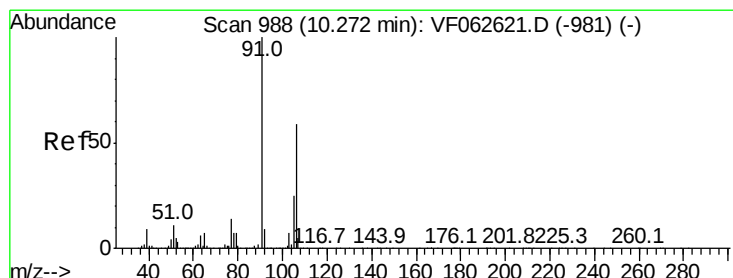
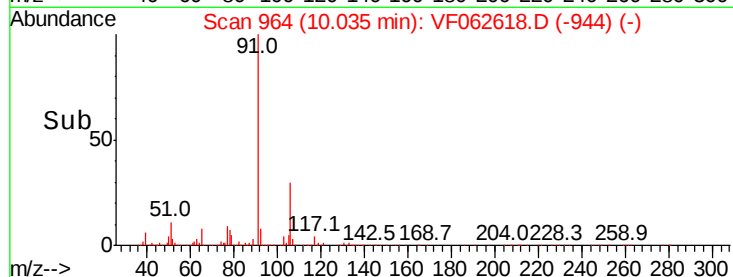
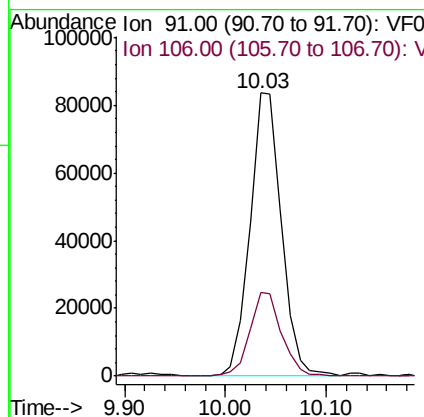
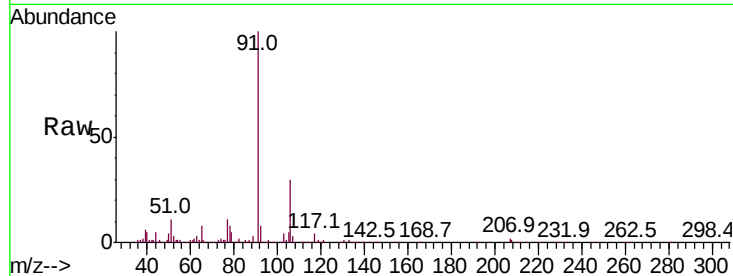
#67
Ethyl Benzene
Concen: 5.220 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 182295
Ion Ratio Lower Upper
91 100
106 29.7 25.8 38.8

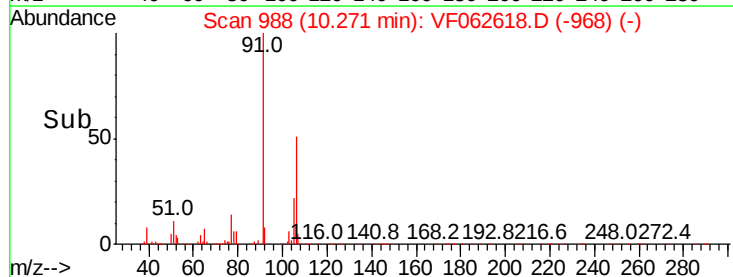
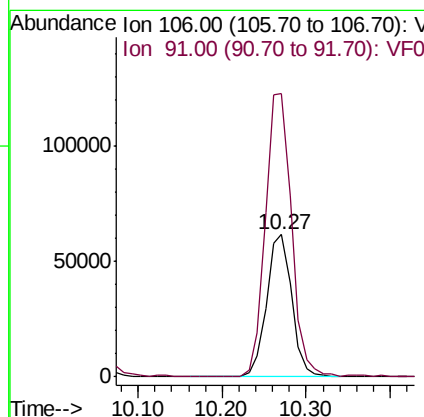
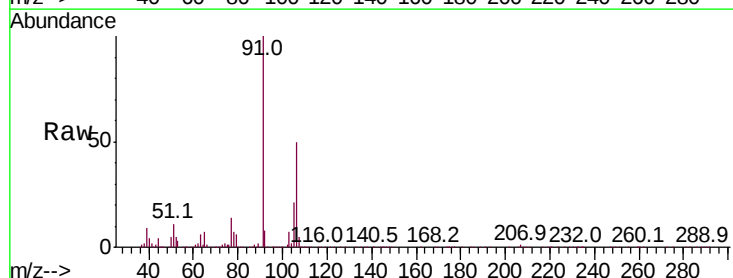
Manual Integrations
APPROVED

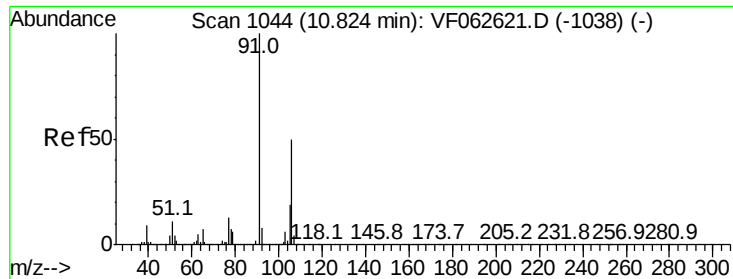
MMDadoda
5/17/2019 4:19:54 PM



#68
m/p-Xylenes
Concen: 9.977 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion: 106 Resp: 130958
Ion Ratio Lower Upper
106 100
91 199.4 136.9 205.3





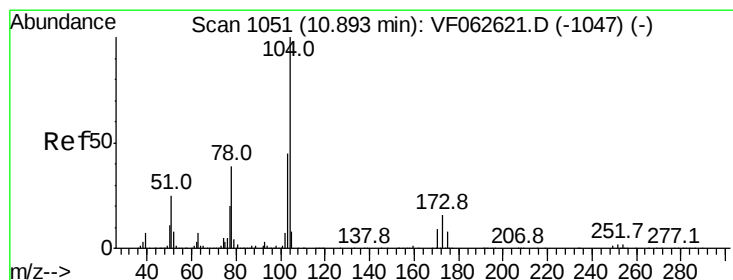
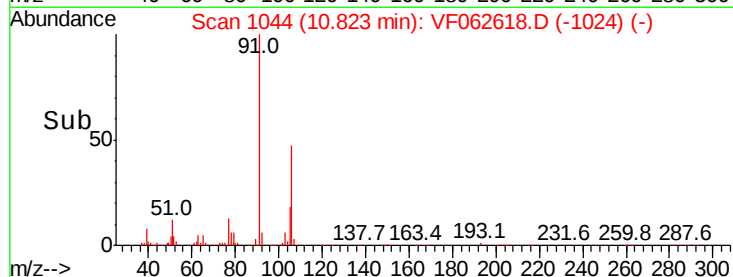
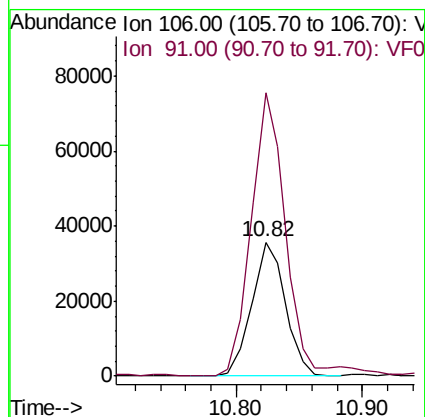
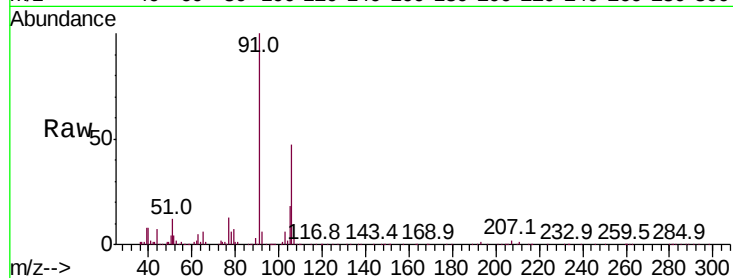
#69
o-Xylene
Concen: 4.927 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	100.2	300.5

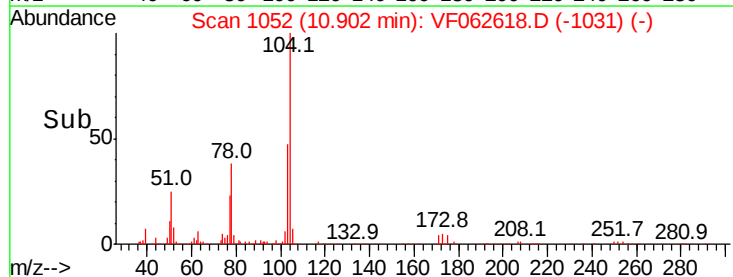
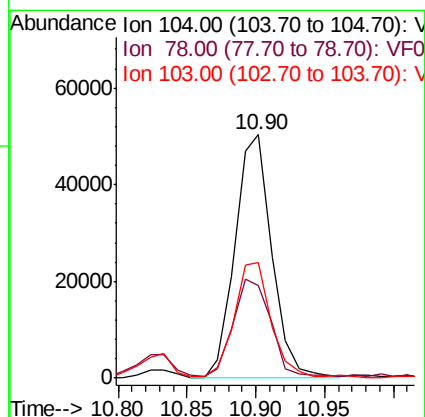
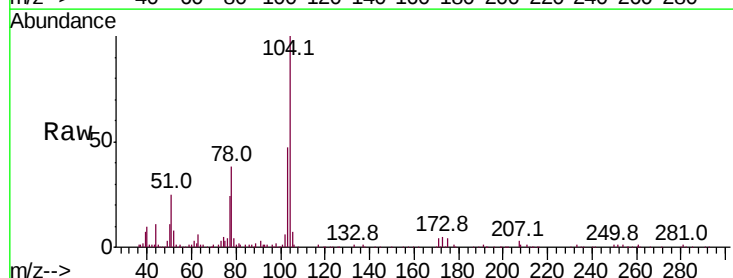
Manual Integrations
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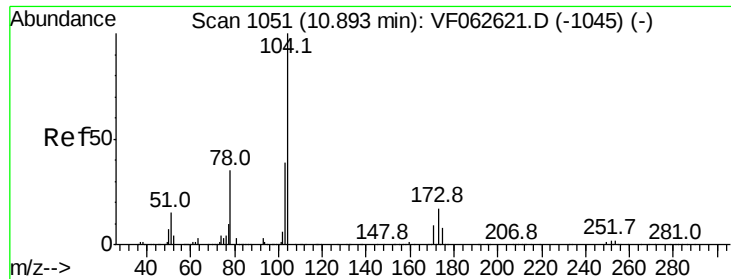
MMDadoda
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#70
Styrene
Concen: 4.568 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.0	31.9	47.9
103	47.4	36.1	54.1





#71

Bromoform

Concen: 4.113 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

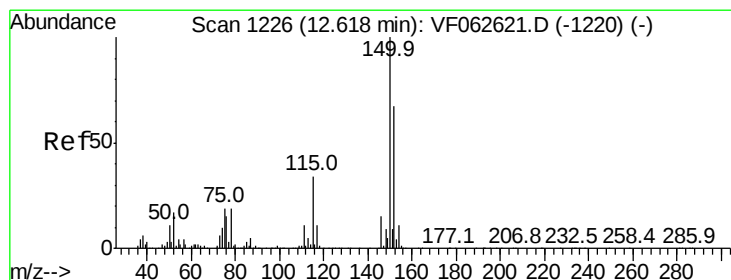
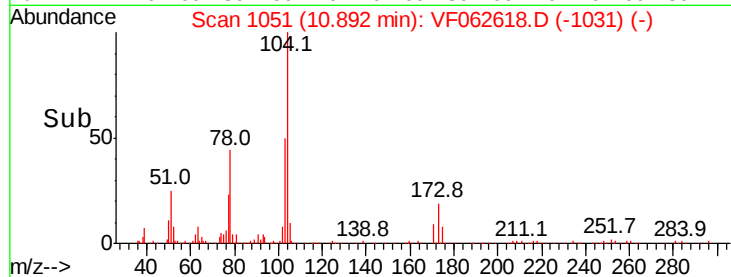
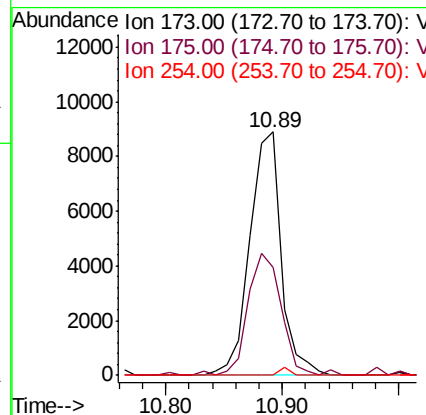
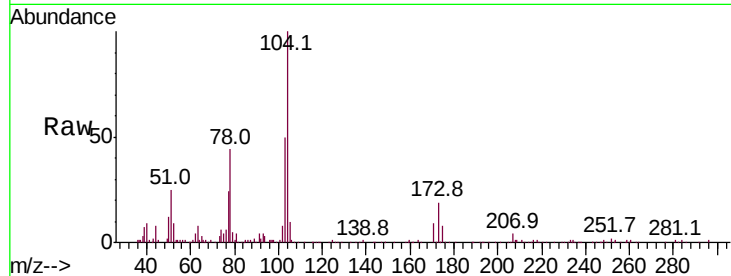
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.5	25.3	75.9
254	0.0	0.2	0.2#

Manual Integrations
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5/17/2019 4:19:54 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

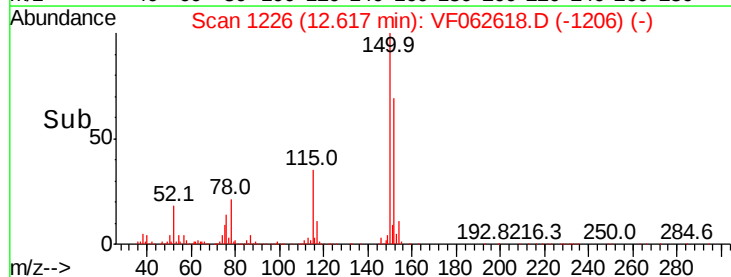
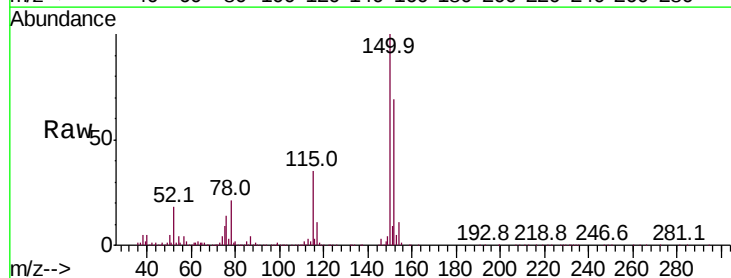
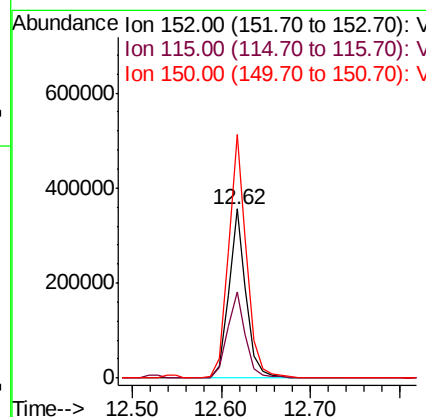
RT: 12.62 min Scan# 1226

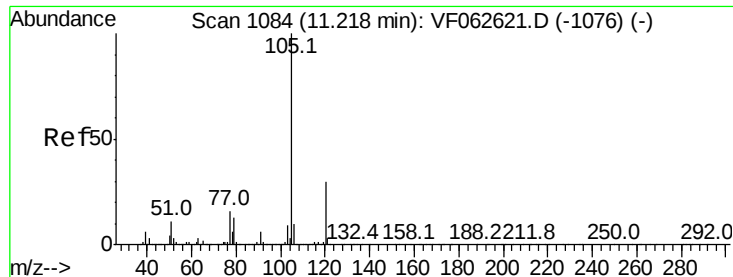
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.7	25.2	75.6
150	144.3	0.0	306.2





#73

Isopropylbenzene

Concen: 5.333 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 185667

Ion Ratio Lower Upper

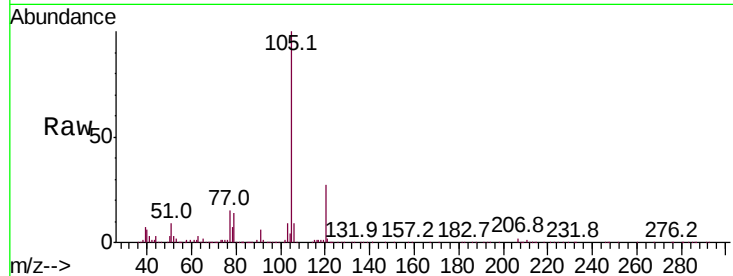
105 100

120 26.8 14.8 44.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

120000

100000

80000

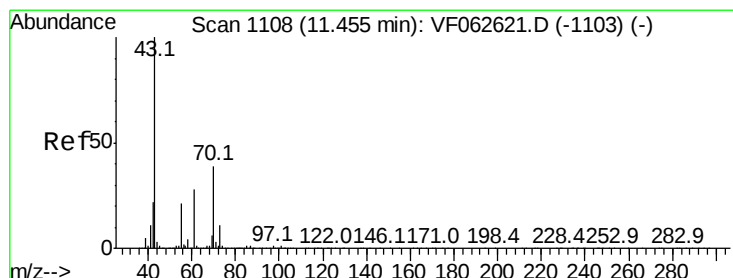
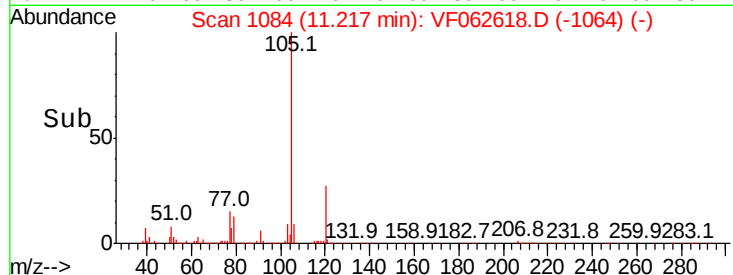
60000

40000

20000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 4.539 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion: 43 Resp: 48747

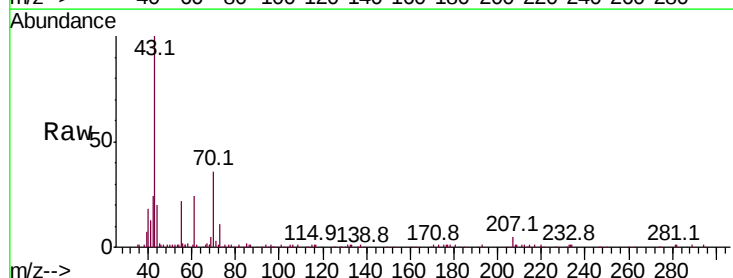
Ion Ratio Lower Upper

43 100

70 36.3 30.9 46.3

55 21.5 17.0 25.4

61 23.5 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

40000

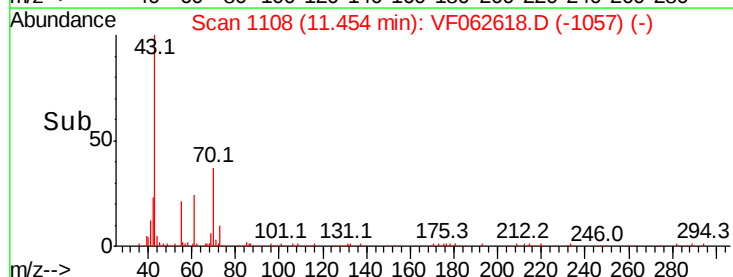
30000

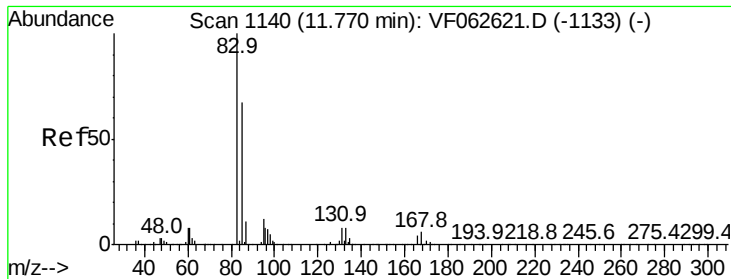
20000

10000

0

Time--> 11.40 11.45 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 4.940 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

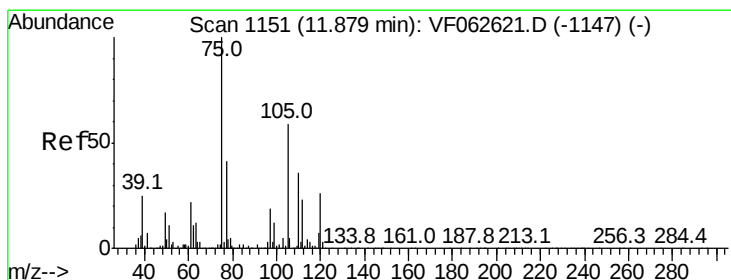
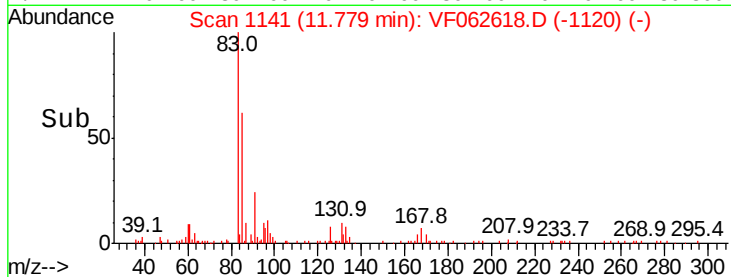
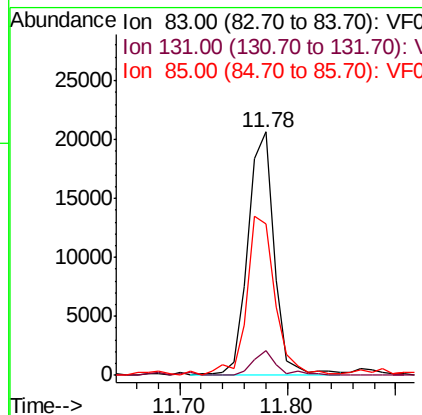
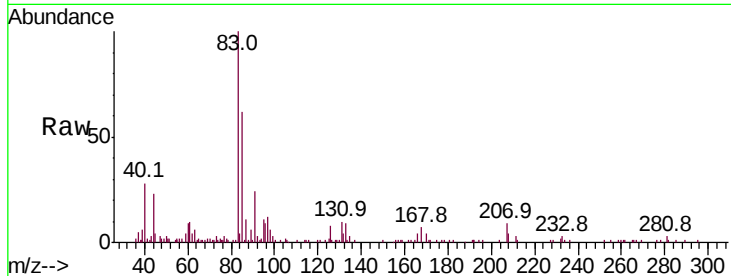
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	35146
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.0	12.0
85	62.3	33.5	100.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.314 ug/l

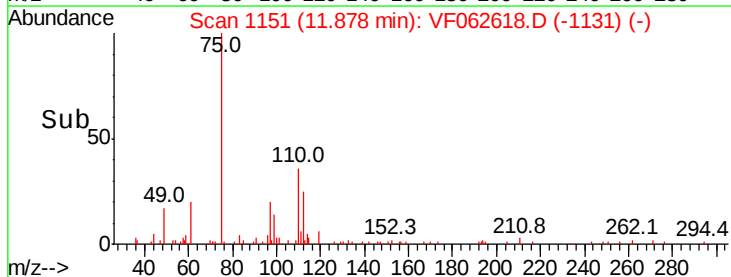
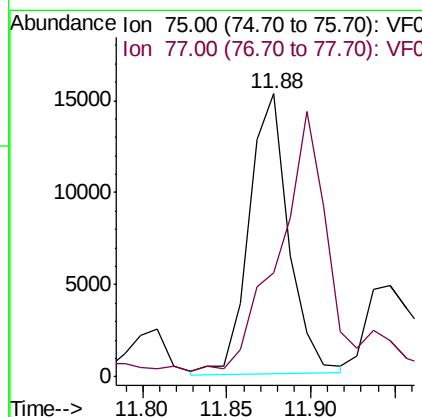
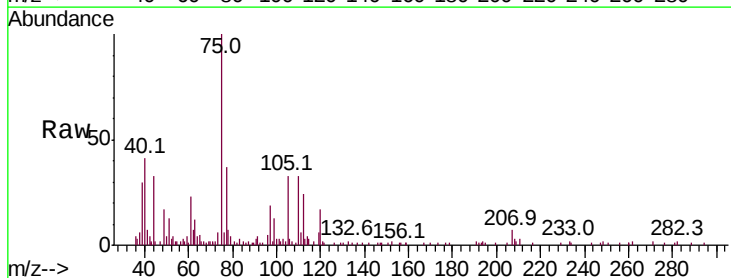
RT: 11.88 min Scan# 1151

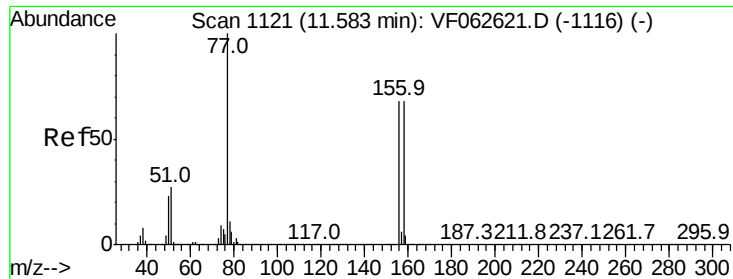
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	75	Resp:	24845
Ion Ratio	Lower	Upper	
75	100		
77	36.9	20.6	61.8





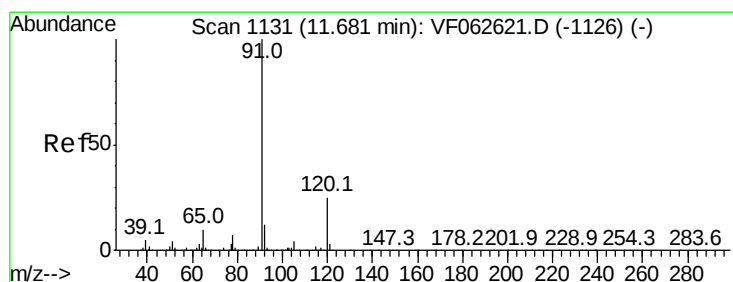
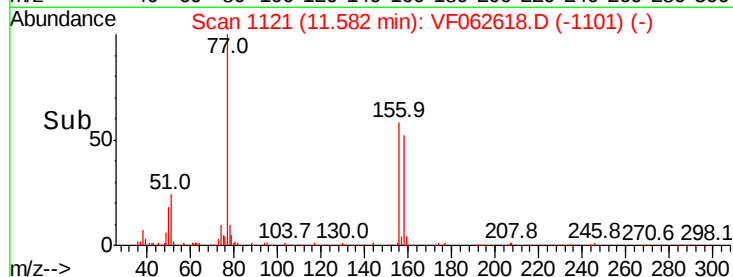
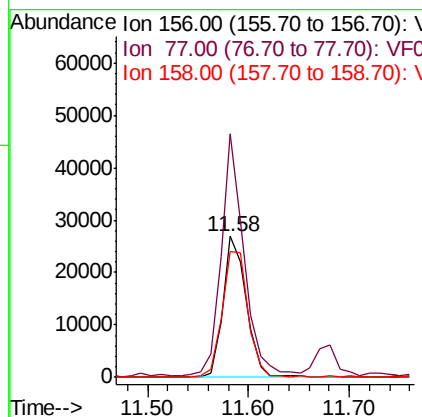
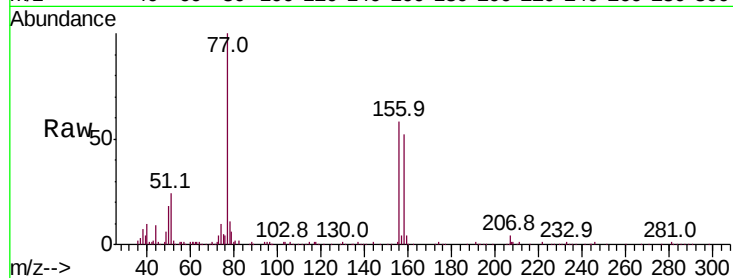
#77
Bromobenzene
Concen: 5.008 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.5	73.6	220.8
158	89.0	49.6	148.8

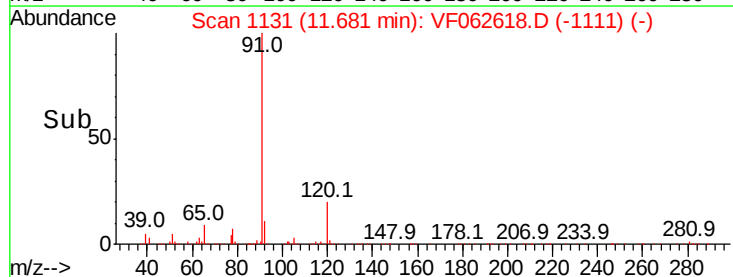
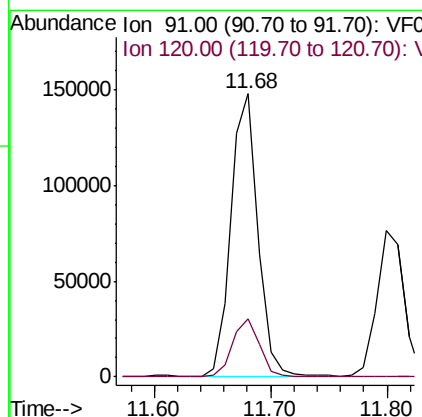
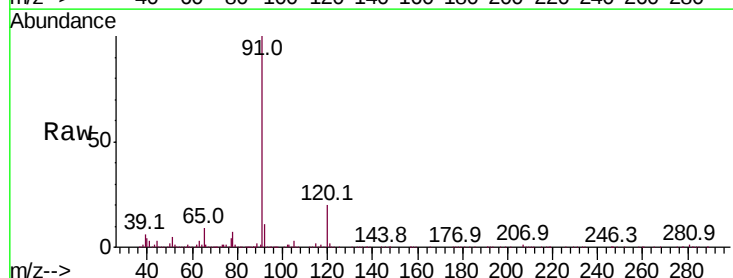
Manual Integrations
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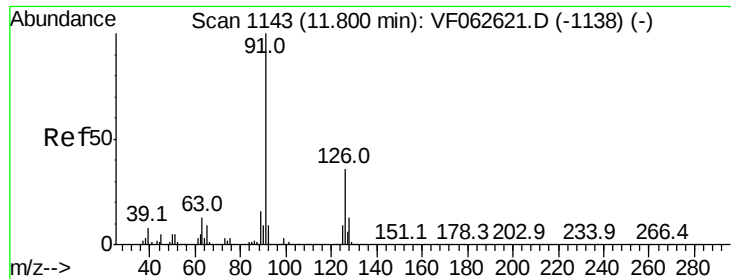
MMDadoda
5/17/2019 4:19:54 PM



#78
n-propylbenzene
Concen: 5.786 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	12.7	38.1





#79

2-Chlorotoluene

Concen: 5.339 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 123975

Ion Ratio Lower Upper

91 100

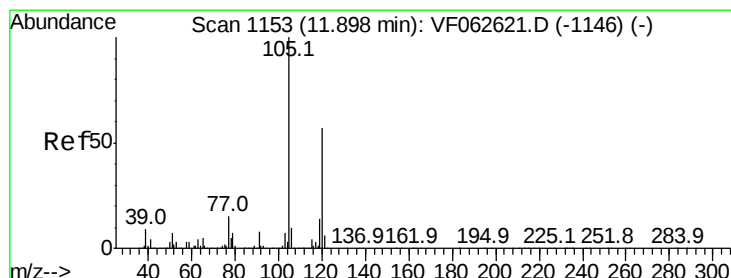
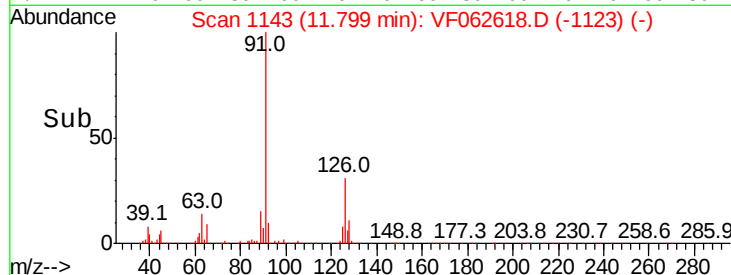
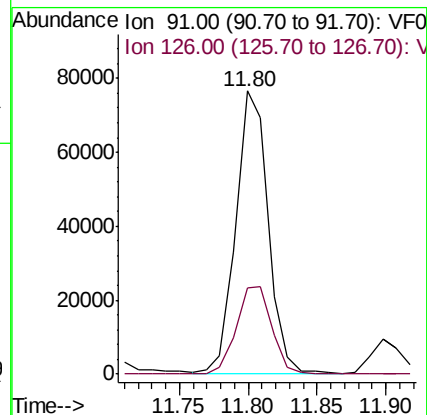
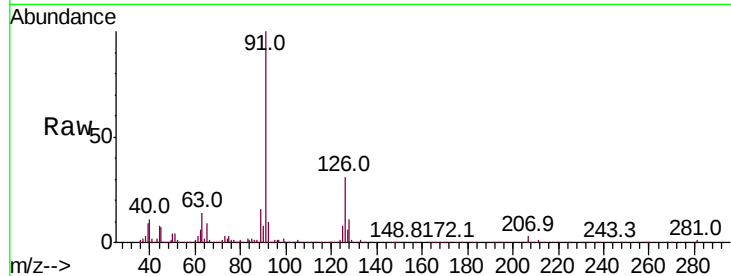
126 30.6 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.218 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062618.D

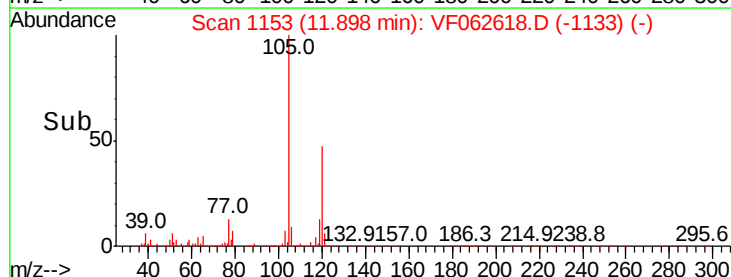
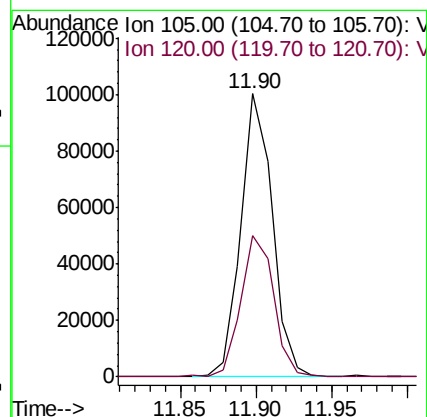
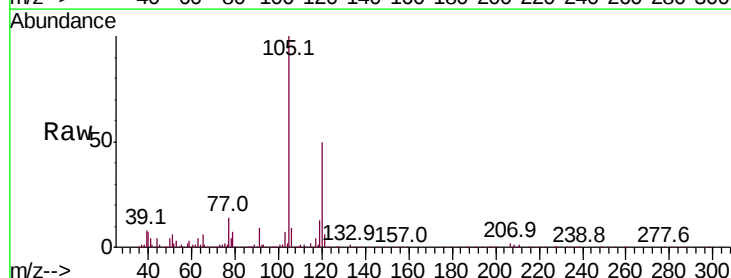
Acq: 16 May 2019 10:36

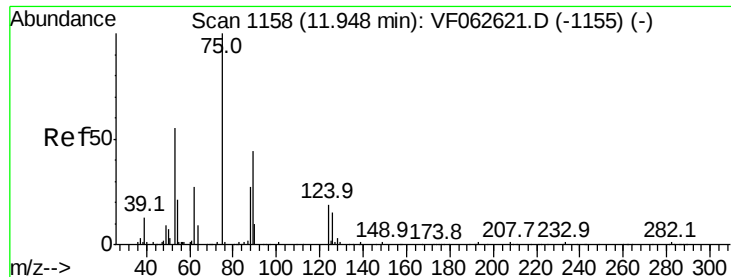
Tgt Ion: 105 Resp: 145655

Ion Ratio Lower Upper

105 100

120 50.1 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 3.909 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

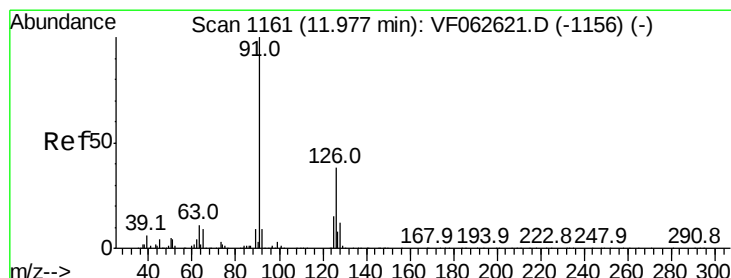
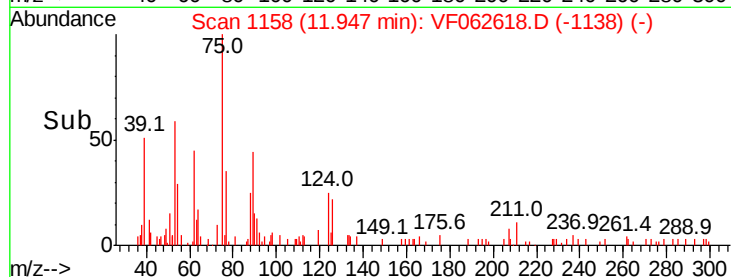
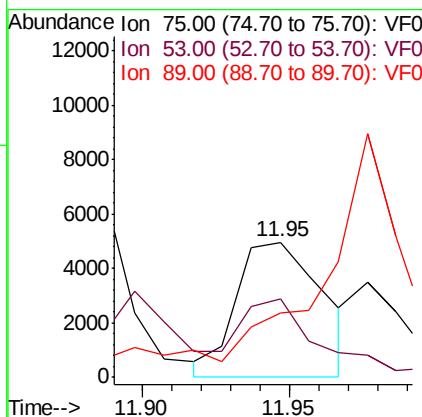
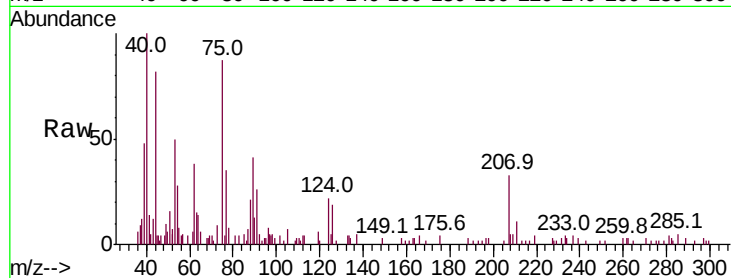
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	10152
Ion Ratio	Lower	Upper	
75	100		
53	58.0	46.9	70.3
89	47.3	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.402 ug/l

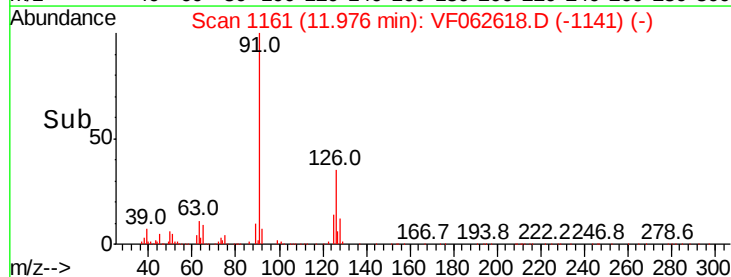
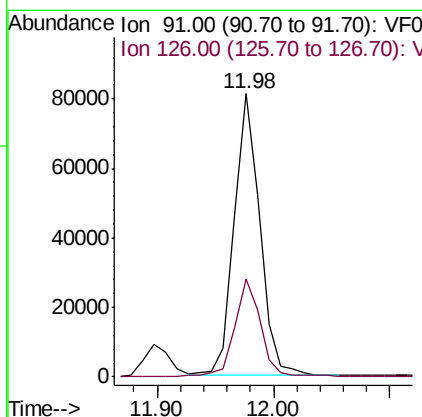
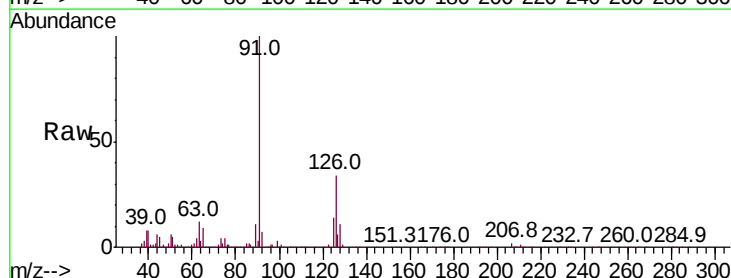
RT: 11.98 min Scan# 1161

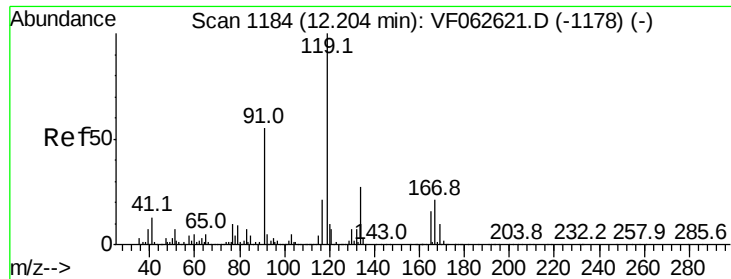
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	91	Resp:	123706
Ion Ratio	Lower	Upper	
91	100		
126	34.5	19.1	57.1





#83

tert-Butylbenzene

Concen: 5.271 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

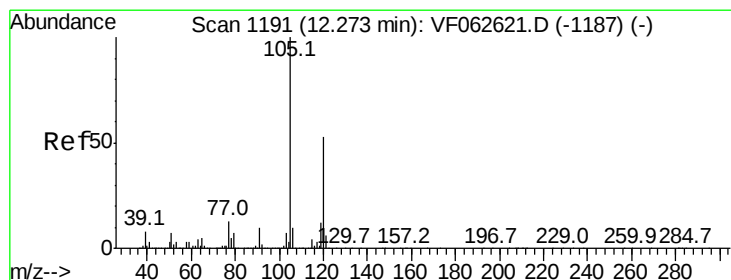
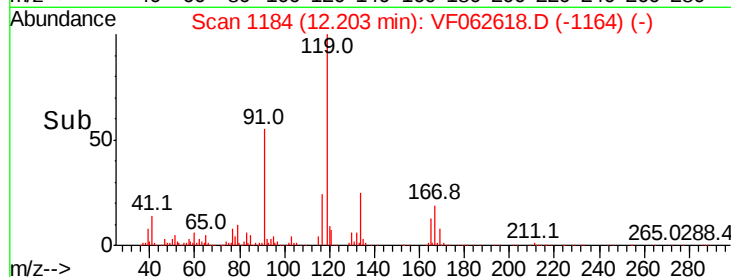
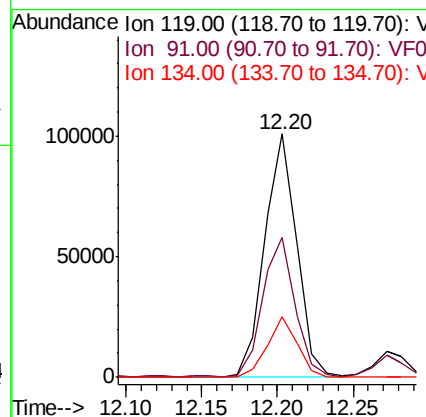
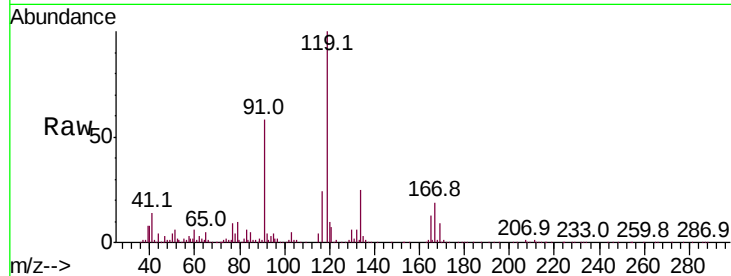
ClientSampled :

VSTDIC005

Tot Ion:	119	Resp:	149301
Ion Ratio	Lower	Upper	
119	100		
91	57.7	27.3	81.9
134	24.8	13.6	40.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.223 ug/l

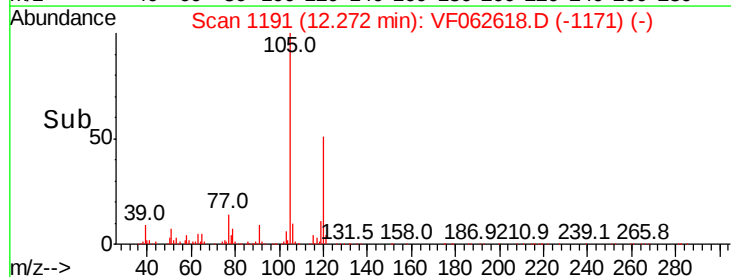
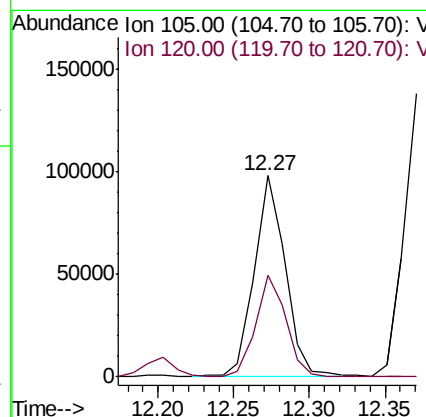
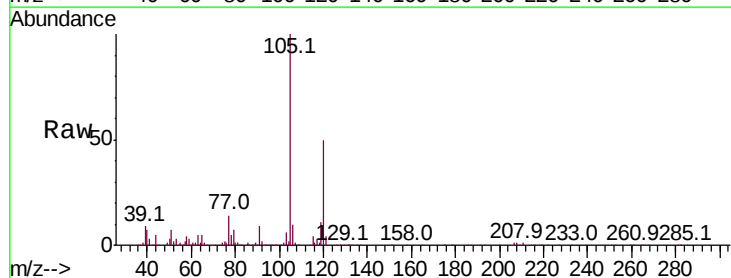
RT: 12.27 min Scan# 1191

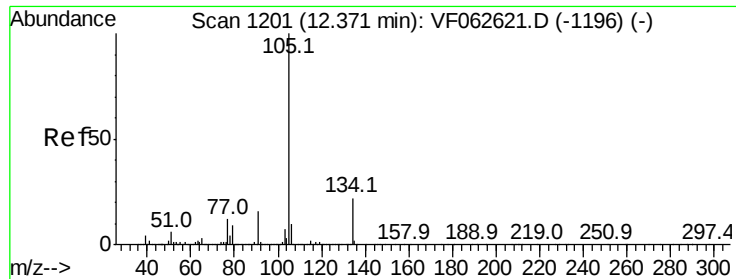
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	105	Resp:	141116
Ion Ratio	Lower	Upper	
105	100		
120	50.3	26.7	80.1





#85

sec-Butylbenzene

Concen: 5.392 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 204937

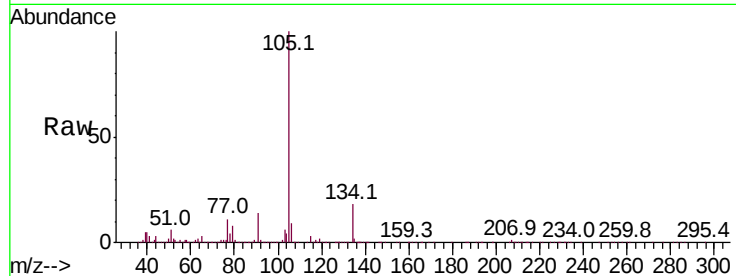
Ion Ratio Lower Upper

105 100

134 17.9 10.8 32.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

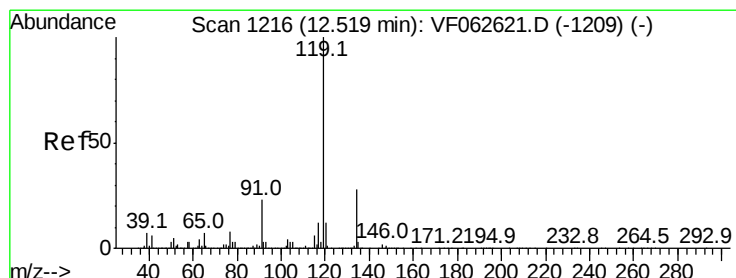
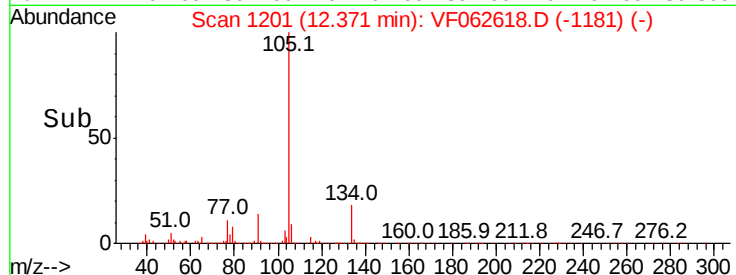
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.120 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

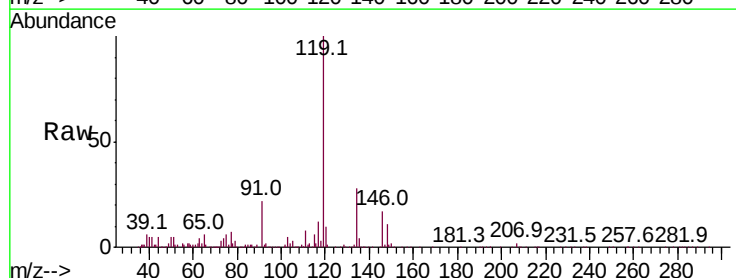
Tgt Ion:119 Resp: 164007

Ion Ratio Lower Upper

119 100

134 27.5 14.1 42.3

91 21.8 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.53

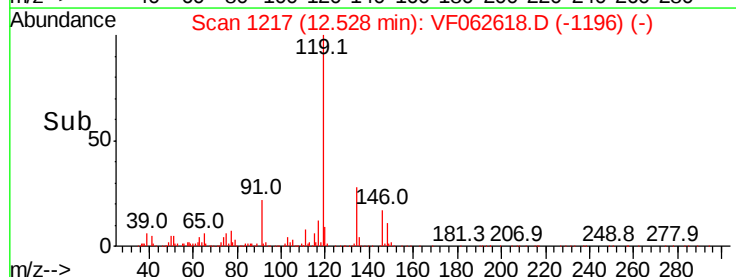
150000

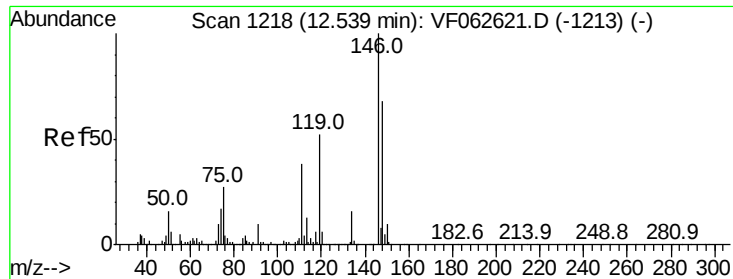
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 5.565 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062618.D

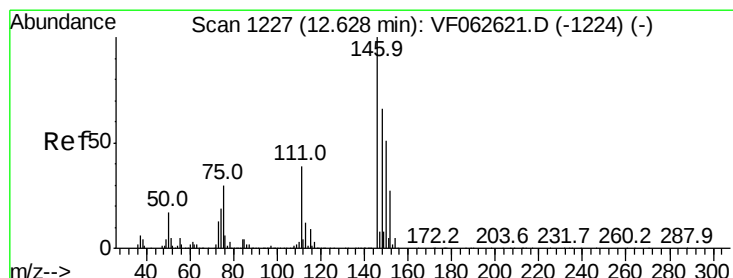
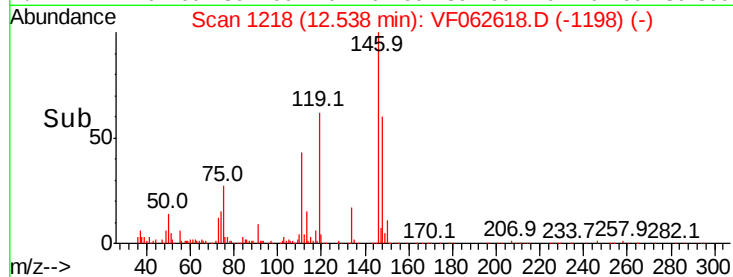
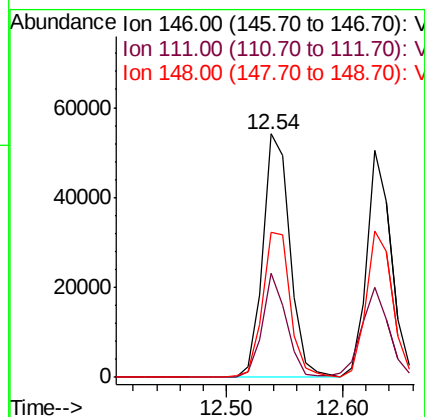
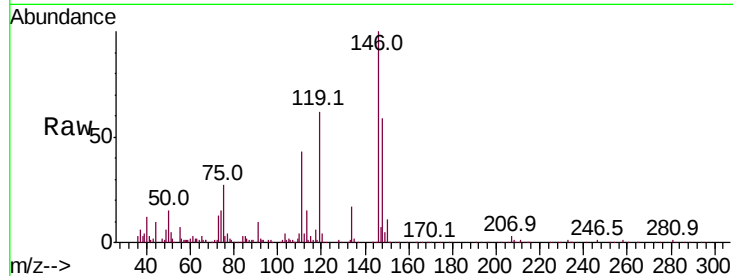
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	18.9	56.9
148	59.4	34.0	101.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.110 ug/l

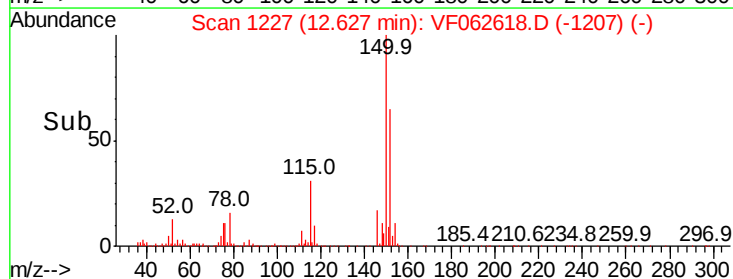
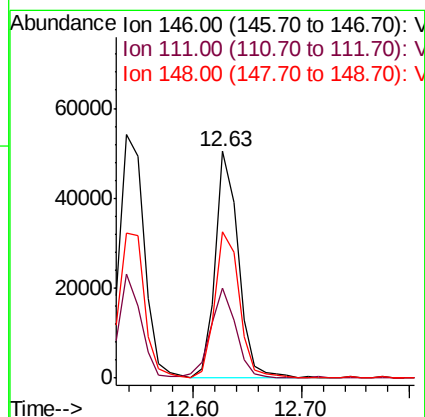
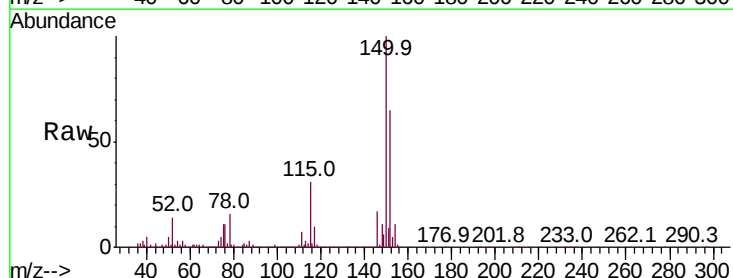
RT: 12.63 min Scan# 1227

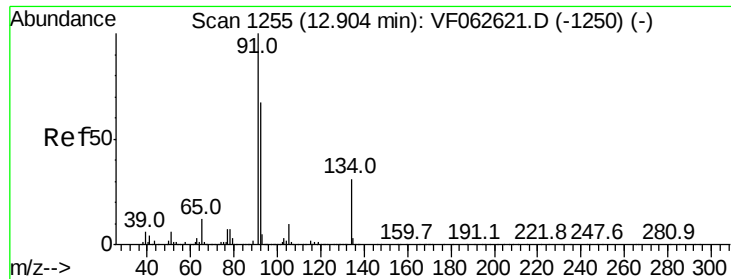
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	64.8	33.2	99.6





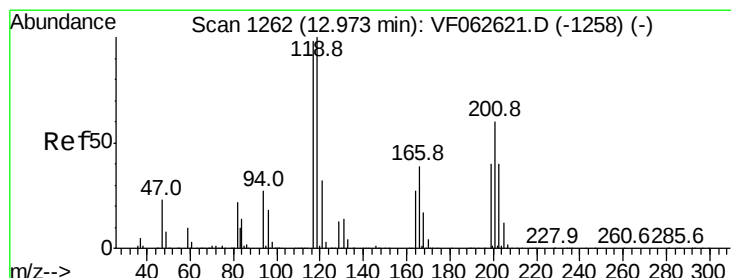
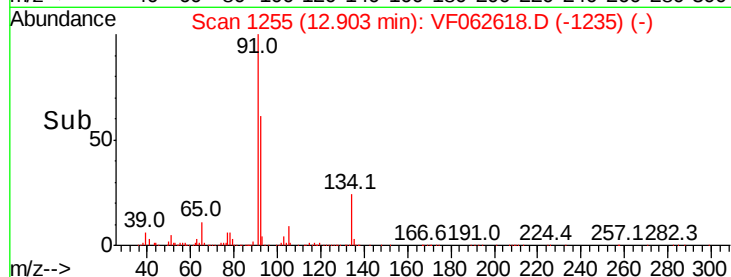
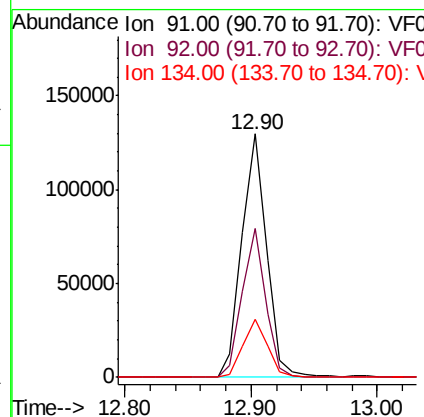
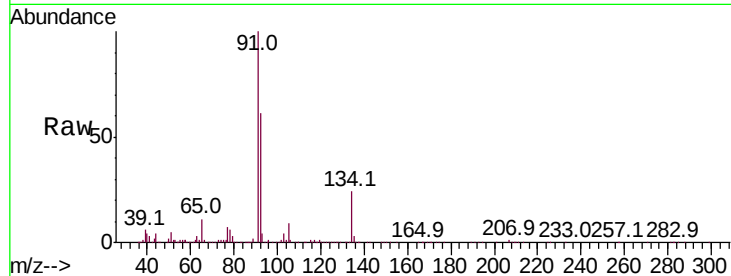
#89
n-Butylbenzene
Concen: 5.582 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	176281		
92	61.0		33.3	99.8
134	23.8		15.4	46.4

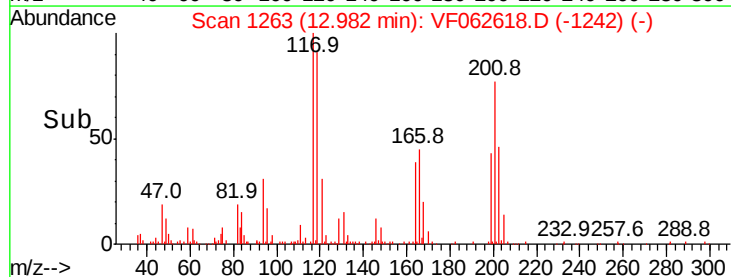
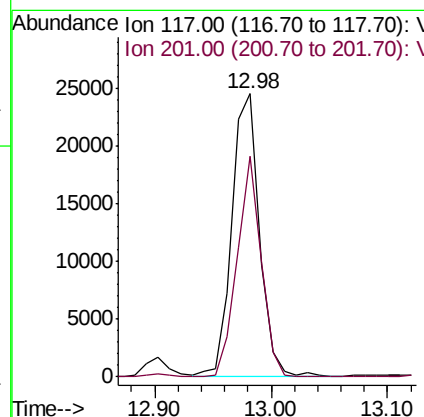
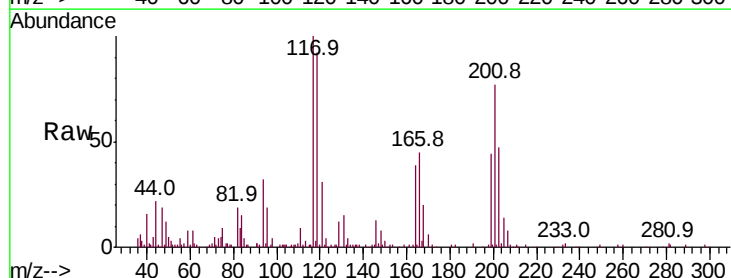
Manual Integrations
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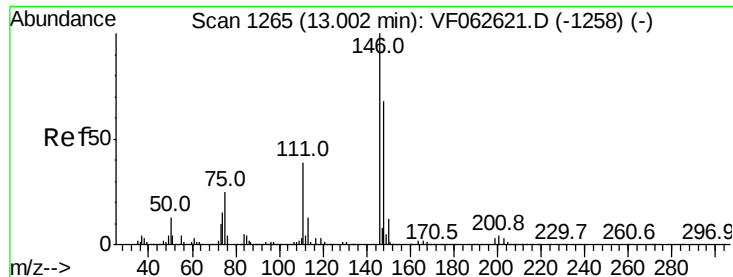
MMDadoda
5/17/2019 4:19:54 PM



#90
Hexachloroethane
Concen: 5.251 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40351		
201	78.1		30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 5.199 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Instrument :

MSVOA_F

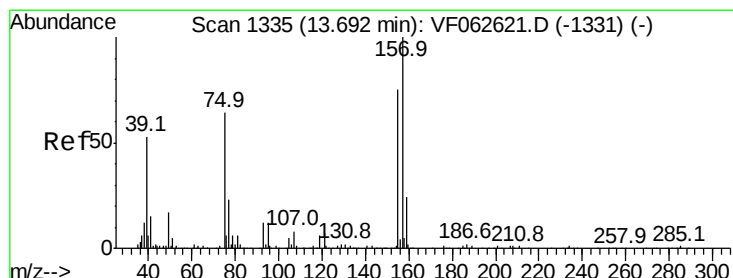
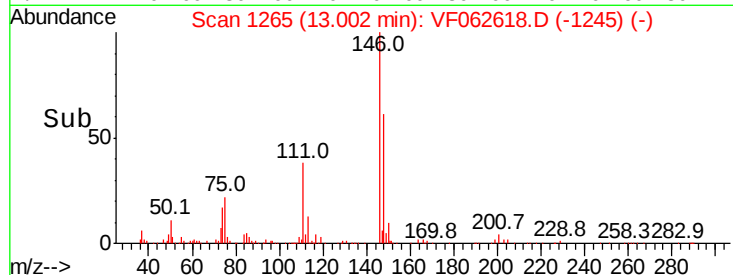
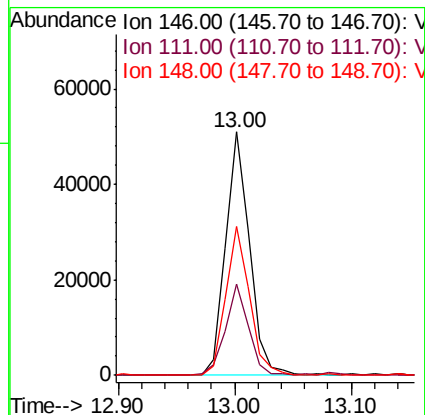
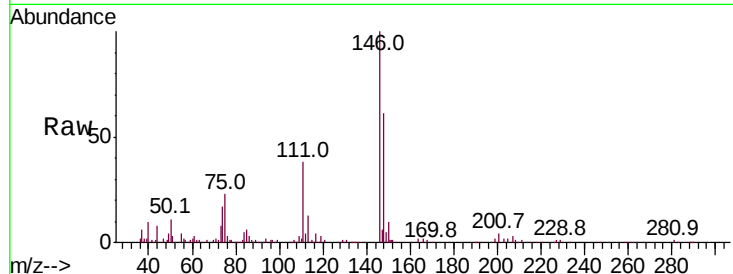
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	72565
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.8	59.3
148	60.9	34.1	102.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.697 ug/l

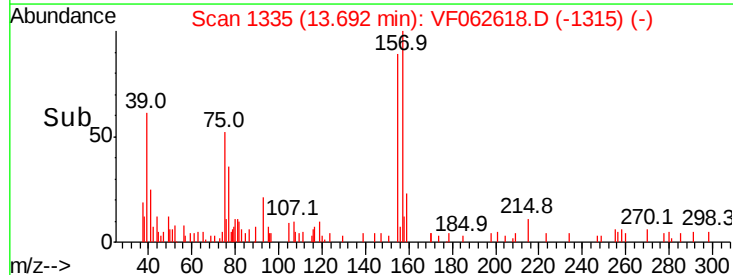
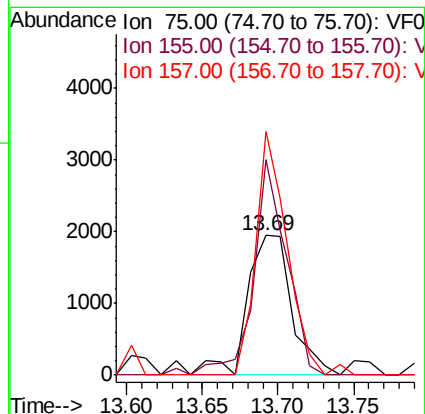
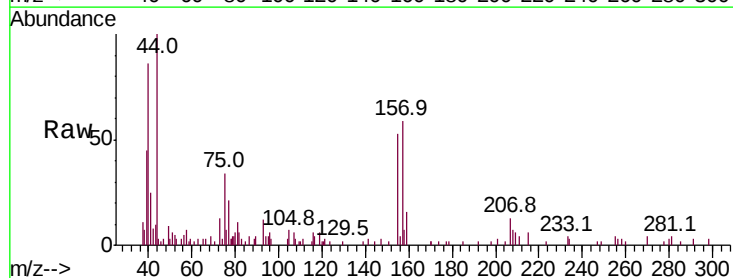
RT: 13.69 min Scan# 1335

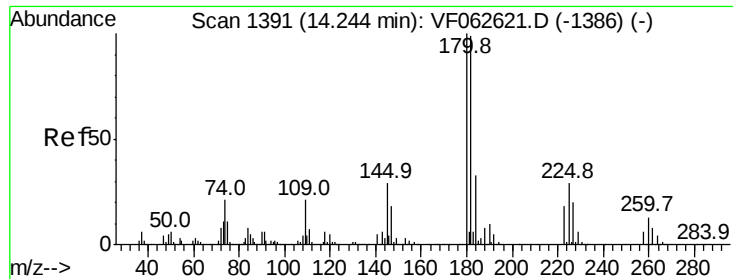
Delta R.T. -0.00 min

Lab File: VF062618.D

Acq: 16 May 2019 10:36

Tgt Ion:	75	Resp:	3987
Ion Ratio	Lower	Upper	
75	100		
155	154.9	58.1	174.3
157	174.7	77.8	233.4





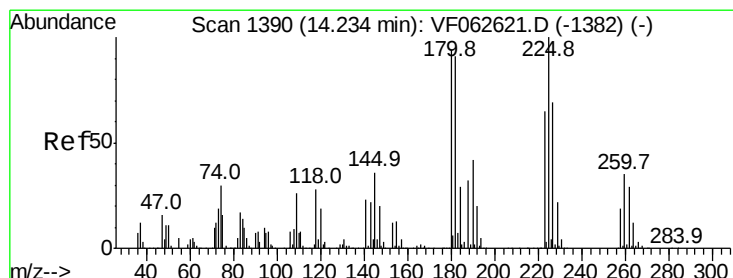
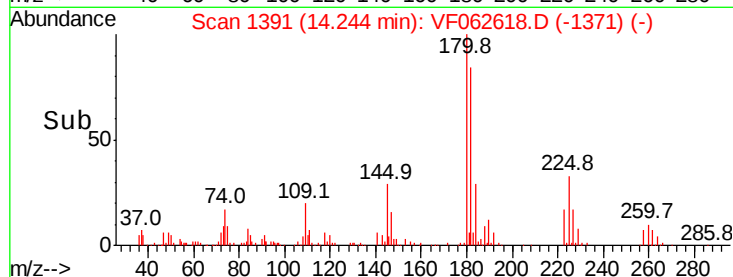
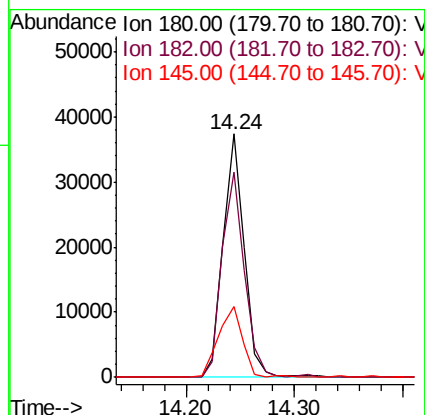
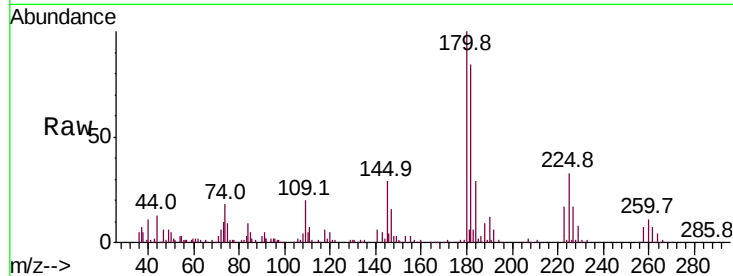
#93
1,2,4-Trichlorobenzene
Concen: 5.109 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.3	49.7	149.1
145	29.2	14.6	44.0

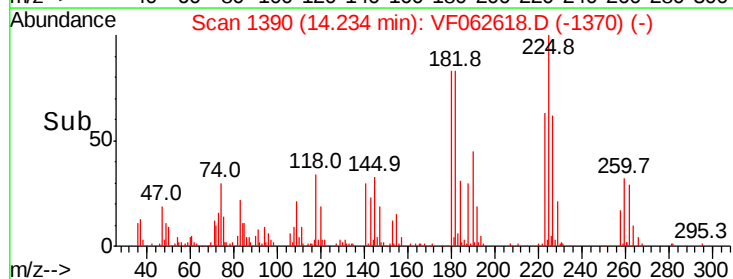
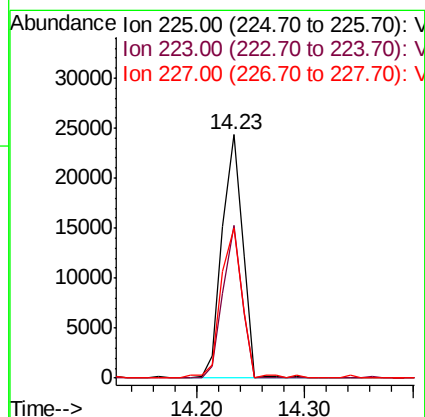
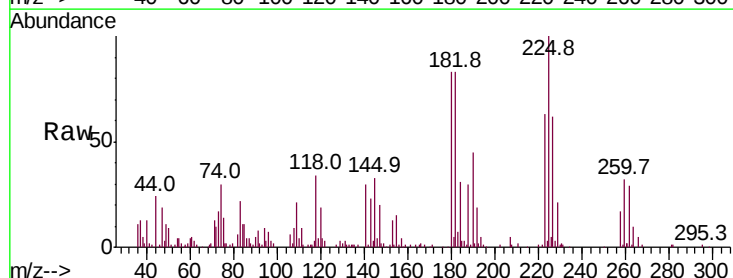
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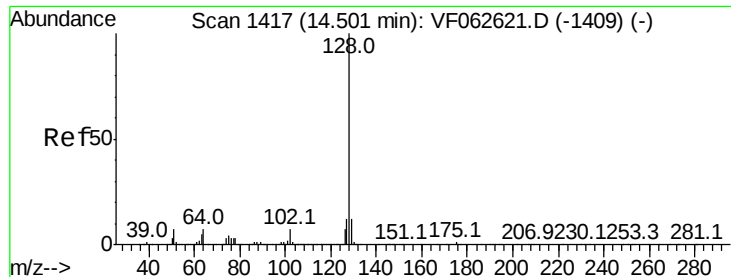
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#94
Hexachlorobutadiene
Concen: 4.648 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.5	97.4
227	61.8	34.5	103.5





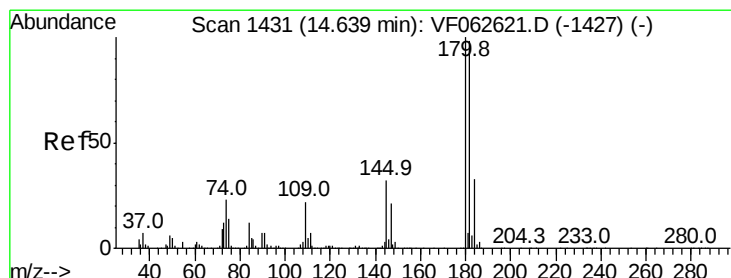
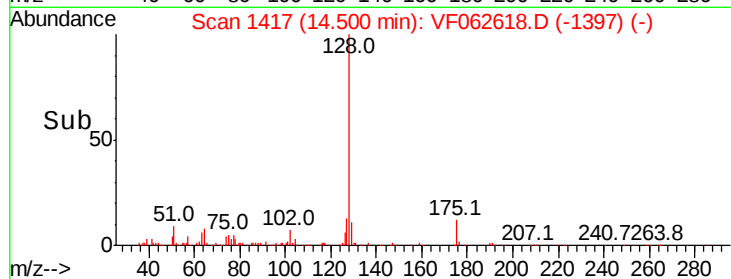
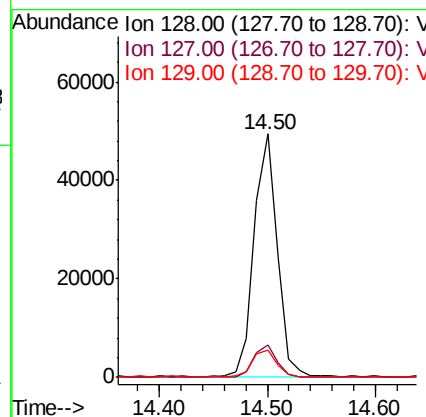
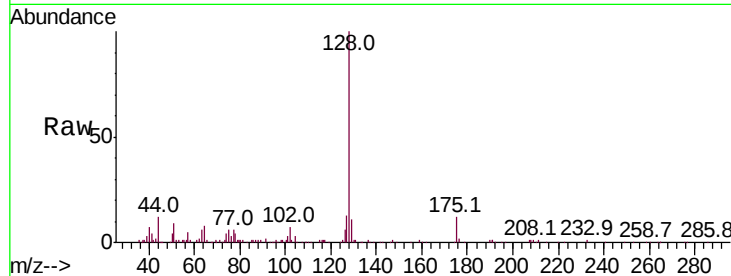
#95
Naphthalene
Concen: 4.091 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.7	14.5
129	11.0	9.3	13.9

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#96
1,2,3-Trichlorobenzene
Concen: 4.591 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VF062618.D
Acq: 16 May 2019 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	48.9	146.7
145	29.3	16.1	48.2

