

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062516.D
 Acq On : 12 May 2019 22:16
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:24:03 PM

Quant Time: May 13 06:51:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	298936	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	395425	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	339755	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	224480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	145395	51.47	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	4.33	113	169452	53.79	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.58%	
50) Toluene-d8	7.73	98	385801	50.59	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.51	95	175315	50.96	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	160141	46.288	ug/l	99
3) Chloromethane	1.15	50	102992	45.137	ug/l	99
4) Vinyl Chloride	1.20	62	107819	47.373	ug/l	97
5) Bromomethane	1.39	94	89904	52.475	ug/l	96
6) Chloroethane	1.45	64	62005	54.188	ug/l	91
7) Trichlorofluoromethane	1.56	101	267375	56.621	ug/l	99
8) Diethyl Ether	1.72	74	34133	47.771	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	149921	55.609	ug/l	99
10) Methyl Iodide	1.99	142	241498	54.357	ug/l	98
11) Tert butyl alcohol	2.70	59	30106	188.557	ug/l	99
12) 1,1-Dichloroethene	1.88	96	114926	50.144	ug/l	98
13) Acrolein	2.11	56	26898	274.623	ug/l	99
14) Allyl chloride	2.21	41	164875	81.437	ug/l	98
15) Acrylonitrile	3.10	53	75312	249.009	ug/l	99
16) Acetone	2.36	43	126280	220.966	ug/l	96
17) Carbon Disulfide	1.93	76	227598	45.543	ug/l #	89
18) Methyl Acetate	2.48	43	49179	46.999	ug/l	96
19) Methyl tert-butyl Ether	2.56	73	230174	48.651	ug/l	97
20) Methylene Chloride	2.30	84	103490m	50.052	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	110286	50.506	ug/l	90
22) Diisopropyl ether	2.95	45	320691	50.681	ug/l	99
23) Vinyl Acetate	3.36	43	685555	243.090	ug/l	100
24) 1,1-Dichloroethane	3.03	63	209929	54.893	ug/l	97
25) 2-Butanone	4.54	43	156657	218.192	ug/l	95
26) 2,2-Dichloropropane	3.80	77	139597	65.365	ug/l	94
27) cis-1,2-Dichloroethene	3.67	96	147693	54.109	ug/l	97
28) Bromochloromethane	3.93	49	92111	53.108	ug/l #	95
29) Tetrahydrofuran	4.28	42	70555	213.816	ug/l	97
30) Chloroform	4.07	83	285928	55.341	ug/l	94
31) Cyclohexane	3.90	56	147697	48.386	ug/l	98
32) 1,1,1-Trichloroethane	4.31	97	256536	57.934	ug/l	99
36) 1,1-Dichloropropene	4.50	75	174884	51.484	ug/l	98
37) Ethyl Acetate	4.32	43	65986	49.872	ug/l #	97
38) Carbon Tetrachloride	4.21	117	221979m	63.768	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	170008	49.904	ug/l	98
40) Benzene	4.84	78	364524	48.733	ug/l	100
41) Methacrylonitrile	4.94	41	36929	45.340	ug/l	95
42) 1,2-Dichloroethane	5.15	62	170120	54.379	ug/l	99
43) Isopropyl Acetate	7.13	43	65004	42.072	ug/l #	98
44) Trichloroethene	5.71	130	148220	53.942	ug/l	99
45) 1,2-Dichloropropane	6.43	63	90514	53.424	ug/l	97
46) Dibromomethane	6.28	93	78381	55.797	ug/l	99
47) Bromodichloromethane	6.57	83	203145	57.842	ug/l	95
48) Methyl methacrylate	6.89	41	48822	44.714	ug/l	88
49) 1,4-Dioxane	6.89	88	8927	792.231	ug/l	98
51) 4-Methyl-2-Pentanone	8.42	43	295183	252.130	ug/l	99
52) Toluene	7.80	92	243932	52.862	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	135222	50.906	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	157462	50.934	ug/l	91
55) 1,1,2-Trichloroethane	8.65	97	80192	54.743	ug/l	89
56) Ethyl methacrylate	8.78	69	72666	46.993	ug/l	99
57) 1,3-Dichloropropane	9.01	76	116500	52.650	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	85961	184.904	ug/l	96
59) 2-Hexanone	9.63	43	193806	239.357	ug/l	99
60) Dibromochloromethane	8.87	129	134646	56.200	ug/l	99
61) 1,2-Dibromoethane	9.15	107	87853	51.027	ug/l	100
64) Tetrachloroethene	8.32	164	154297	55.941	ug/l	98
65) Chlorobenzene	9.95	112	310996	55.323	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	157727	55.619	ug/l	99
67) Ethyl Benzene	10.05	91	529524	53.793	ug/l	100
68) m/p-Xylenes	10.27	106	402462	110.812	ug/l	99
69) o-Xylene	10.83	106	219834	56.014	ug/l	98
70) Styrene	10.91	104	318725	54.188	ug/l	99
71) Bromoform	10.90	173	78670	50.636	ug/l #	95
73) Isopropylbenzene	11.23	105	710404	53.382	ug/l	99
74) N-amyl acetate	11.46	43	129605	45.363	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	103204	49.529	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	79692	50.129	ug/l #	100
77) Bromobenzene	11.60	156	175851	50.349	ug/l	95
78) n-propylbenzene	11.68	91	710549	50.150	ug/l	99
79) 2-Chlorotoluene	11.80	91	444515	50.454	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	594456	50.963	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	27701m	46.357	ug/l	
82) 4-Chlorotoluene	11.98	91	446481	51.310	ug/l	100
83) tert-Butylbenzene	12.21	119	619470	50.533	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	590234	51.707	ug/l	97
85) sec-Butylbenzene	12.37	105	791704	53.059	ug/l	99
86) p-Isopropyltoluene	12.53	119	725926	52.364	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	325085	50.964	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	324949	52.781	ug/l	99
89) n-Butylbenzene	12.91	91	645980	52.375	ug/l	99
90) Hexachloroethane	12.98	117	180091	52.028	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	318232	51.543	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21547	46.157	ug/l	97

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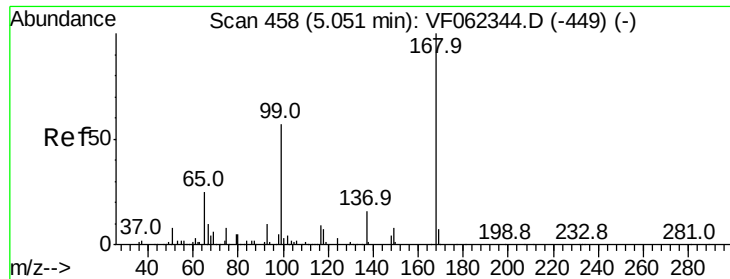
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	283760	51.240	ug/l	99
94) Hexachlorobutadiene	14.24	225	223920	54.250	ug/l	96
95) Naphthalene	14.50	128	427520	51.349	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	277961	51.809	ug/l	98

(#) = 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. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 298936

Ion Ratio Lower Upper

168 100

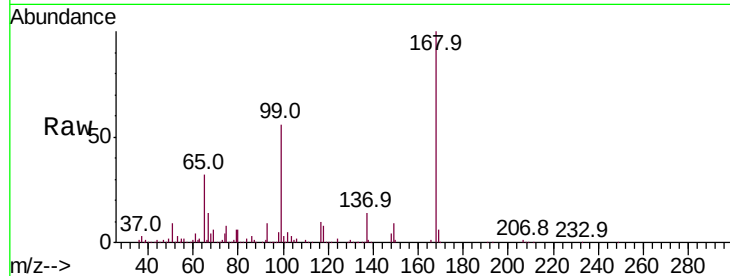
99 55.8 45.9 68.9

Manual Integrations

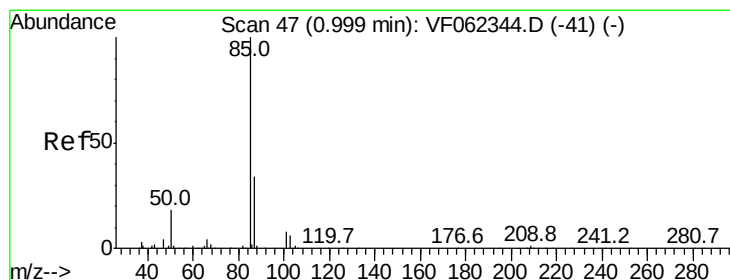
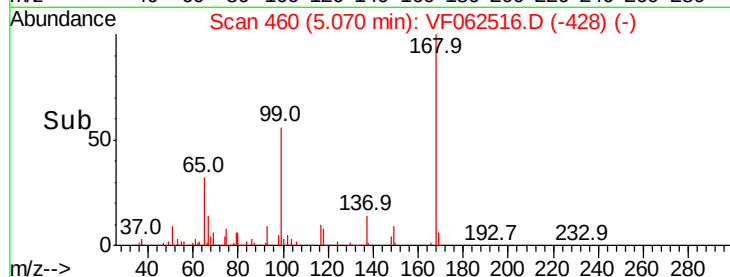
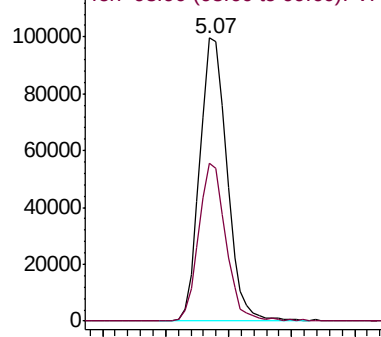
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Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 46.288 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.02 min

Lab File: VF062516.D

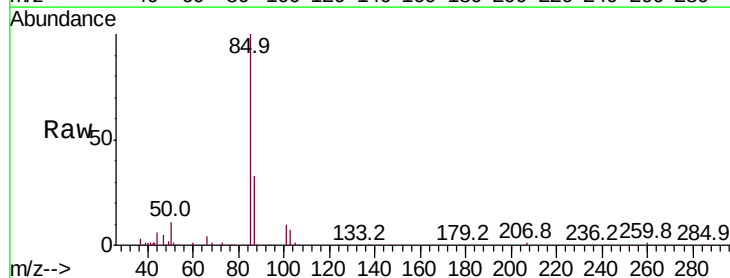
Acq: 12 May 2019 22:16

Tgt Ion: 85 Resp: 160141

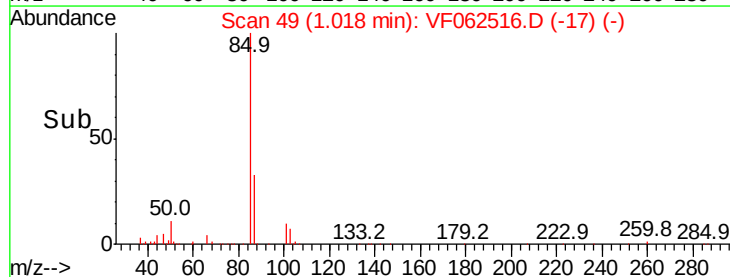
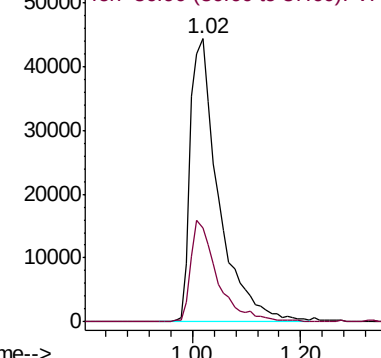
Ion Ratio Lower Upper

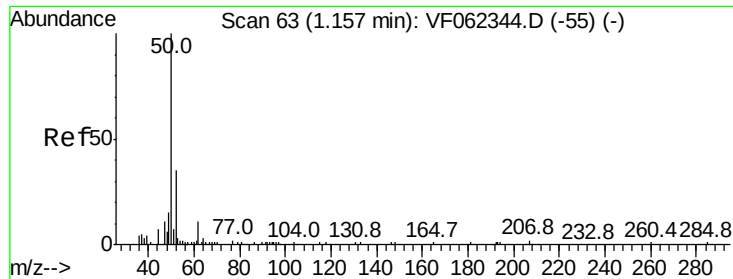
85 100

87 33.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 45.137 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 102992

Ion Ratio Lower Upper

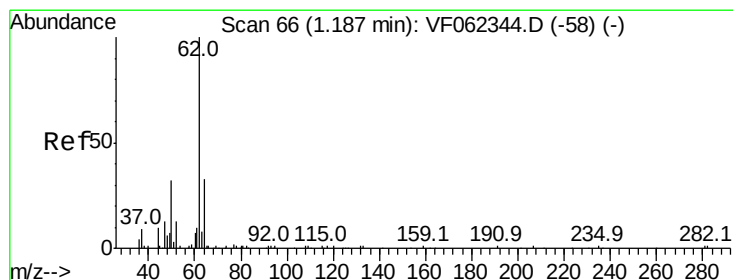
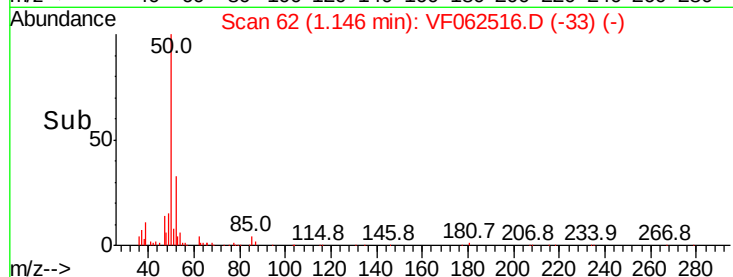
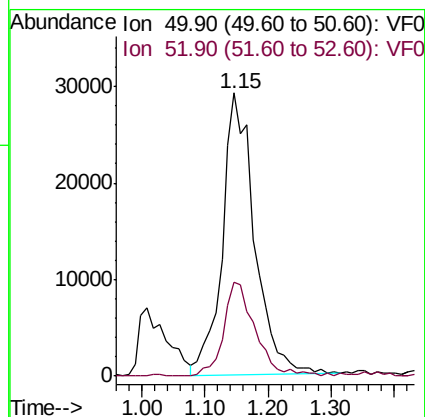
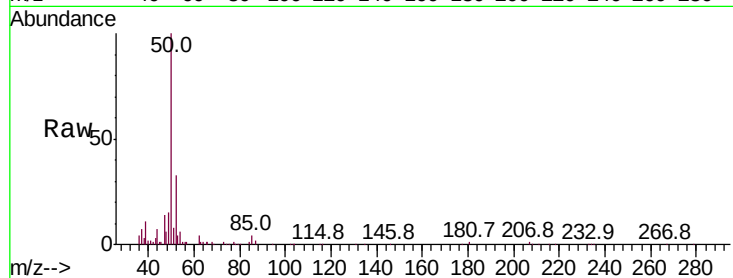
50 100

52 33.1 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.373 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062516.D

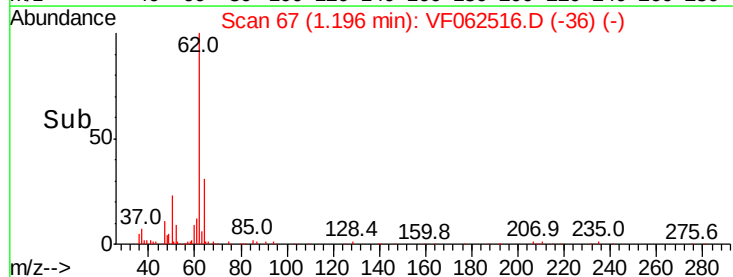
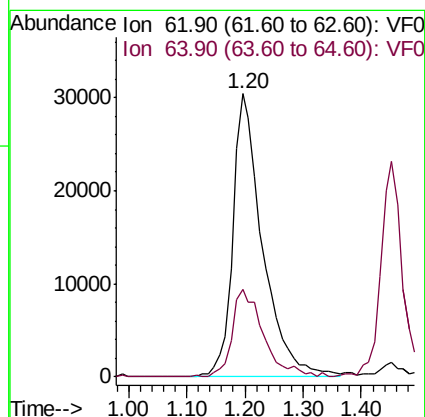
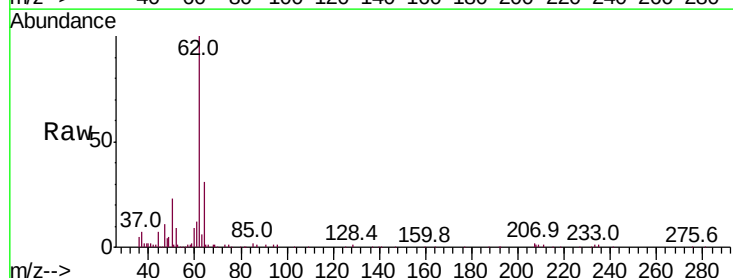
Acq: 12 May 2019 22:16

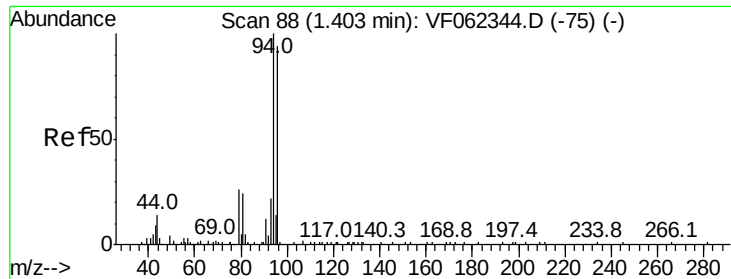
Tgt Ion: 62 Resp: 107819

Ion Ratio Lower Upper

62 100

64 30.9 26.1 39.1





#5

Bromomethane

Concen: 52.475 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 89904

Ion Ratio Lower Upper

94 100

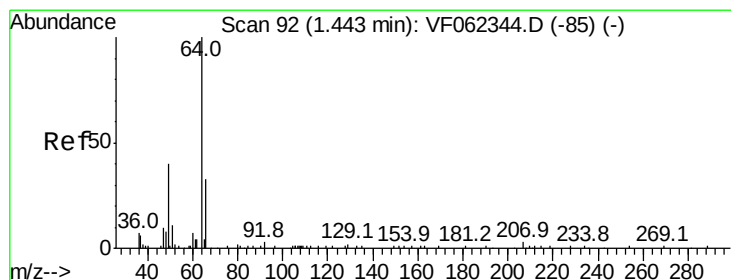
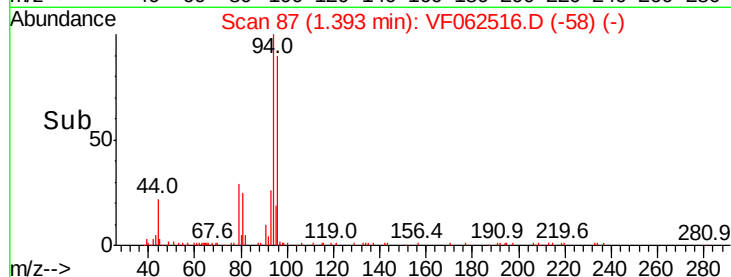
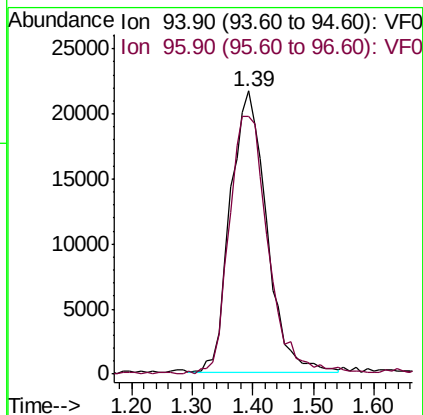
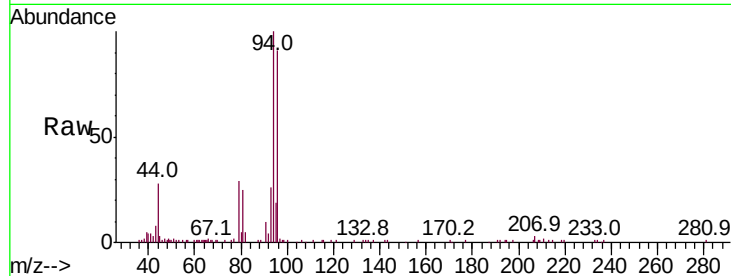
96 90.7 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 54.188 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062516.D

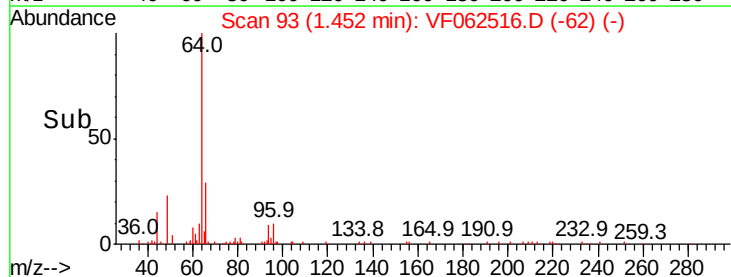
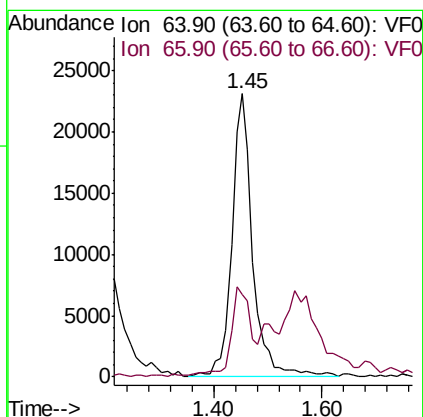
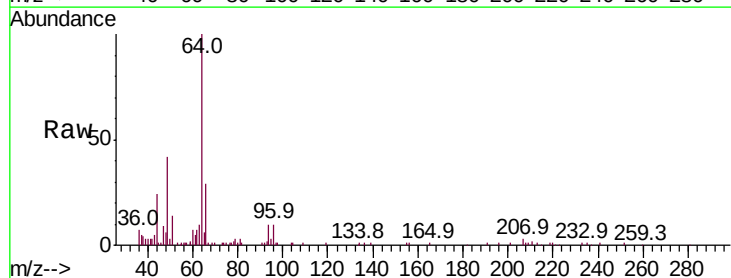
Acq: 12 May 2019 22:16

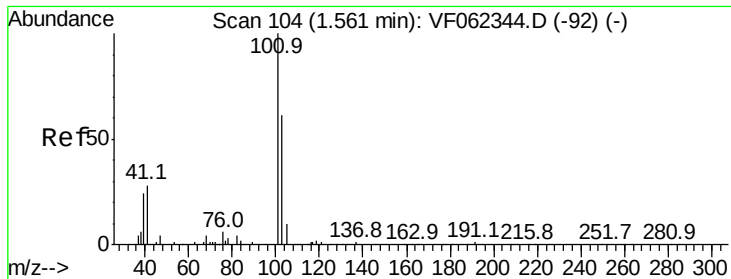
Tgt Ion: 64 Resp: 62005

Ion Ratio Lower Upper

64 100

66 28.2 26.6 39.8





#7

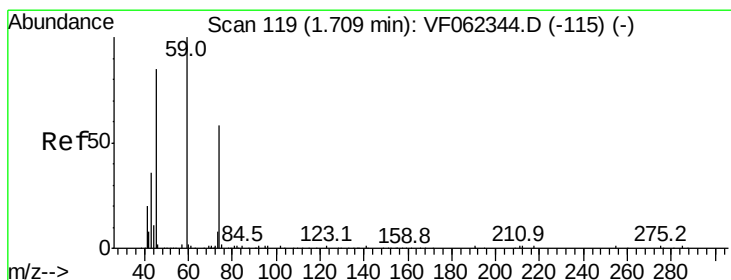
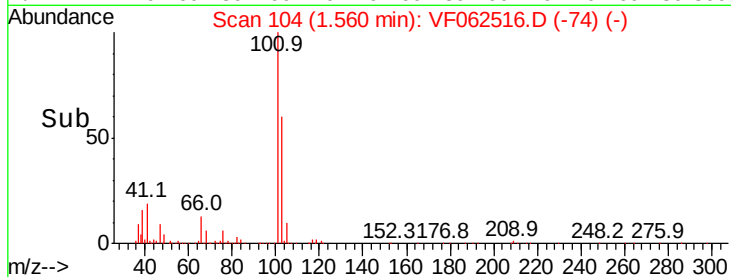
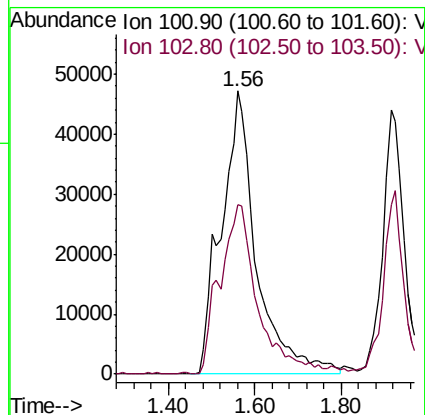
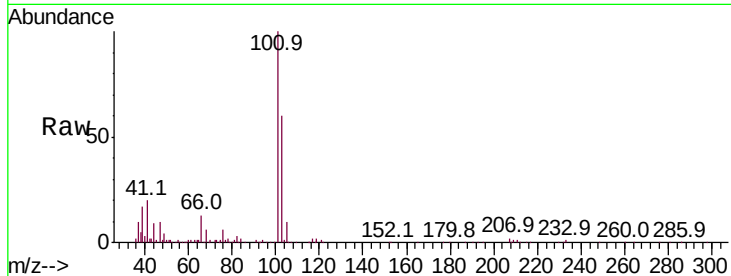
Trichlorofluoromethane
Concen: 56.621 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	267375		
103	59.8	48.5	72.7	

Manual Integrations
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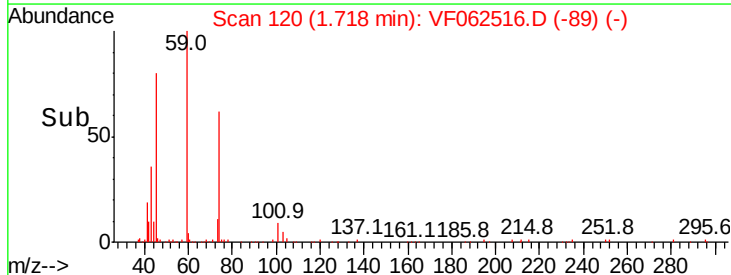
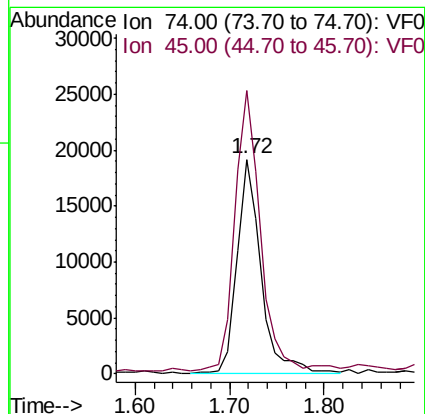
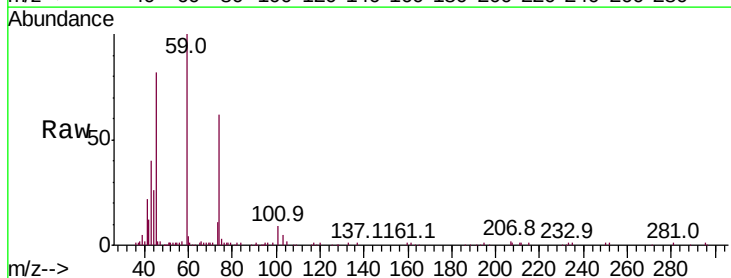
MMDadoda
5/13/2019 12:24:03 PM

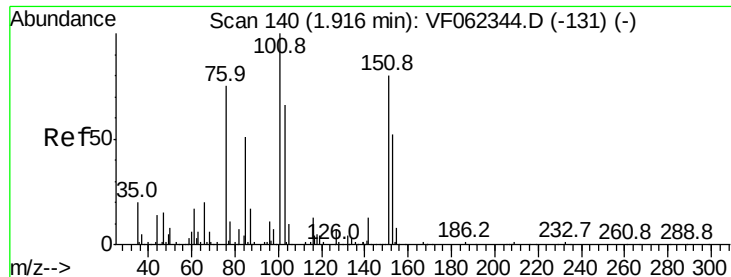


#8

Diethyl Ether
Concen: 47.771 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	34133		
45	135.8	73.9	221.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.609 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

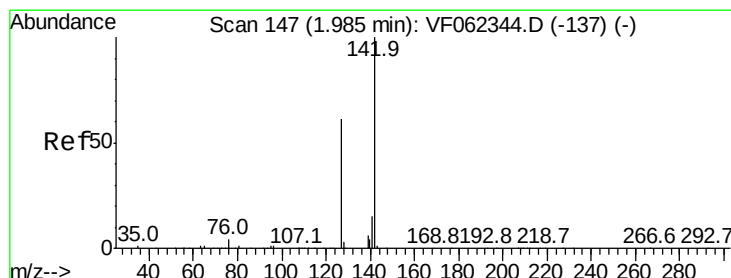
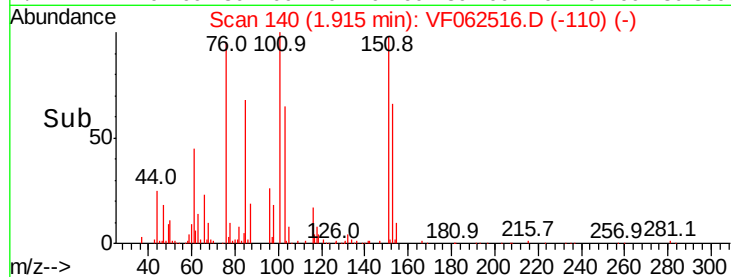
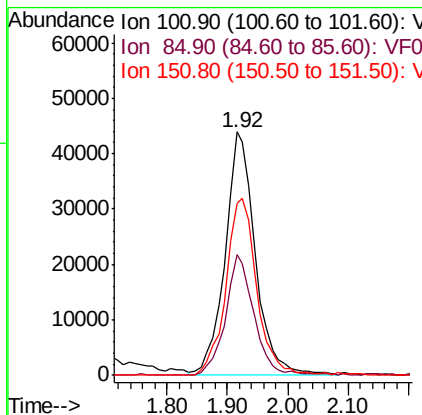
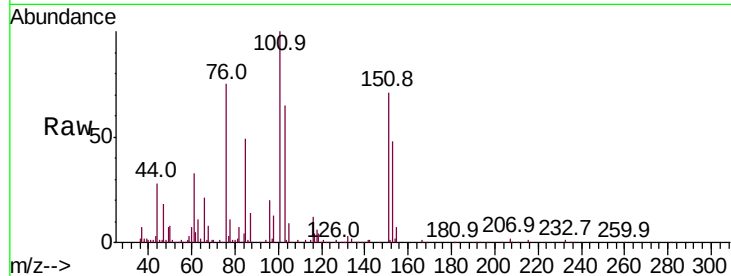
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	149921
Ion Ratio	Lower	Upper	
101	100		
85	47.5	39.5	59.3
151	75.2	59.9	89.9

Manual Integrations
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5/13/2019 12:24:03 PM



#10

Methyl Iodide

Concen: 54.357 ug/l

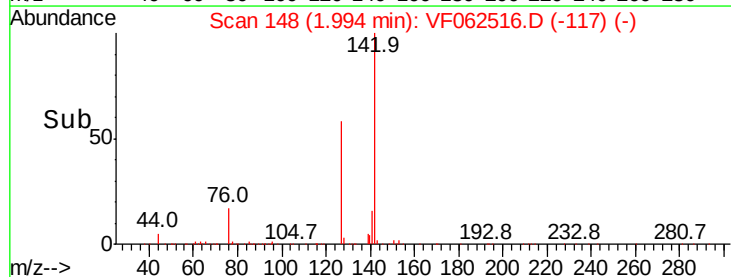
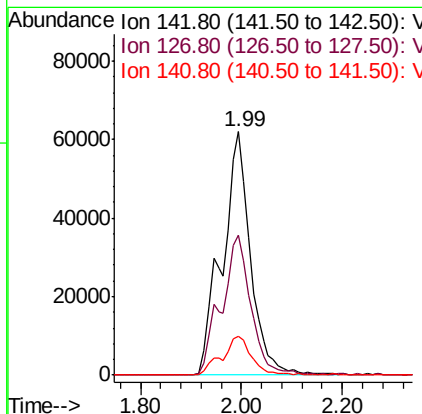
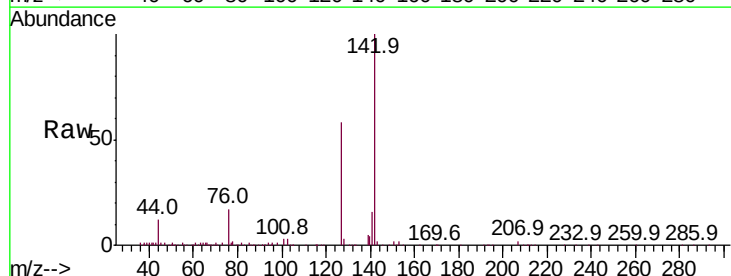
RT: 1.99 min Scan# 148

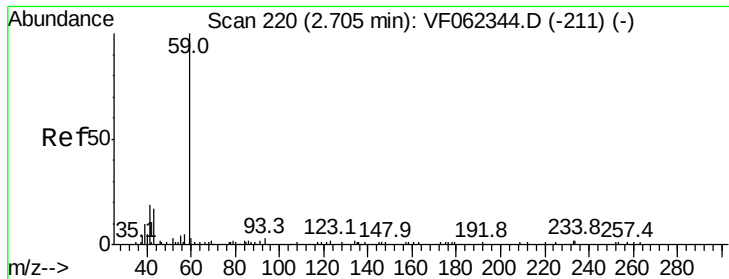
Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	142	Resp:	241498
Ion Ratio	Lower	Upper	
142	100		
127	59.4	48.4	72.6
141	16.5	12.2	18.4





#11

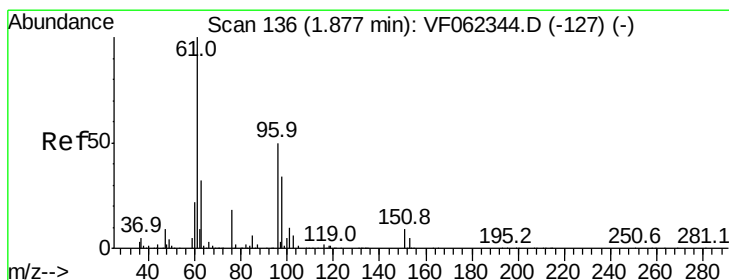
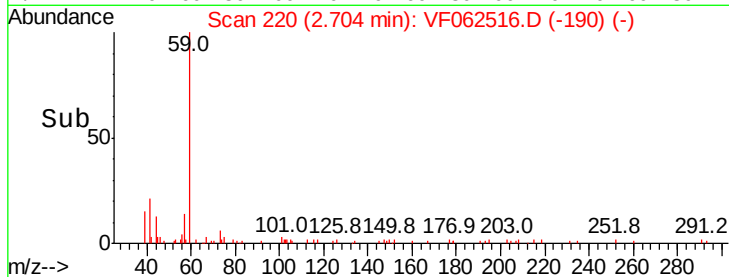
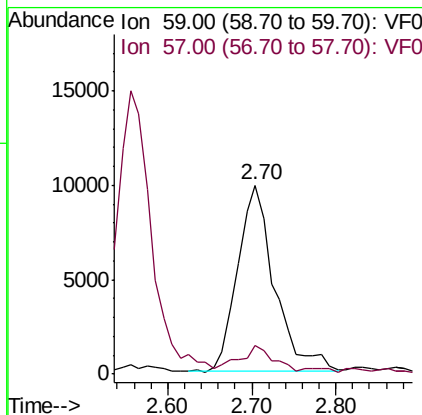
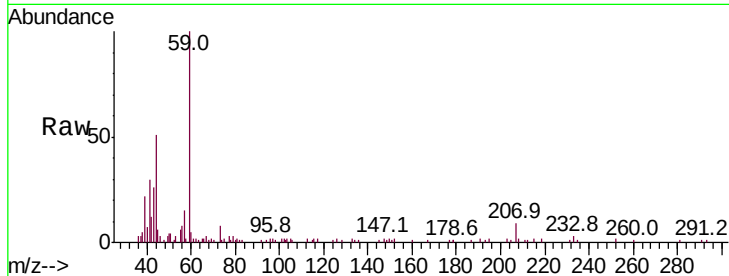
Tert butyl alcohol
Concen: 188.557 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.3	13.9

Manual Integrations
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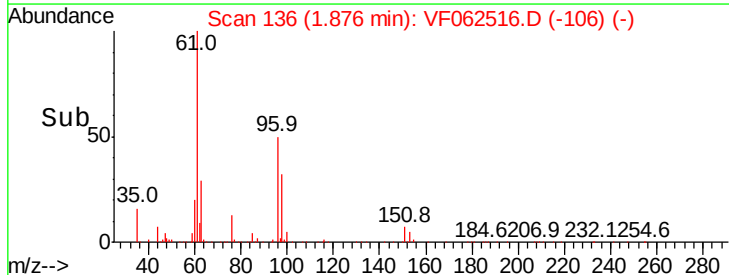
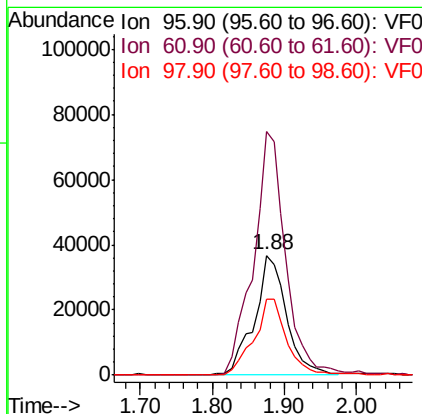
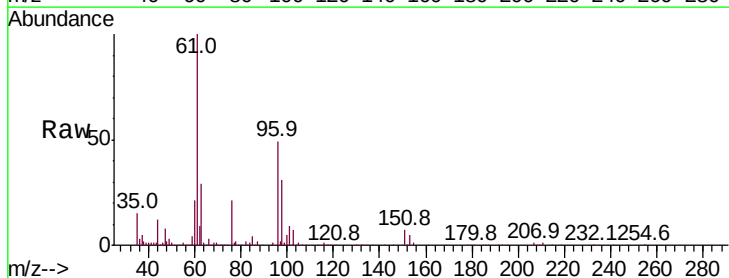
MMDadoda
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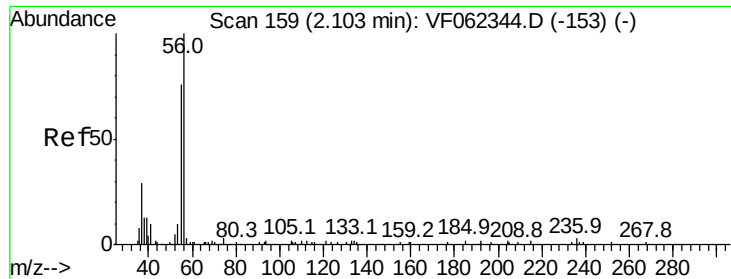


#12

1,1-Dichloroethene
Concen: 50.144 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	202.8	163.2	244.8
98	62.9	55.2	82.8





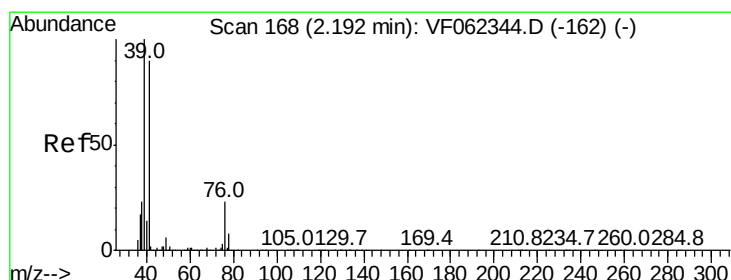
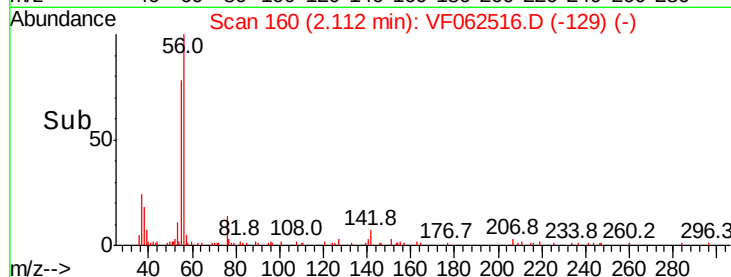
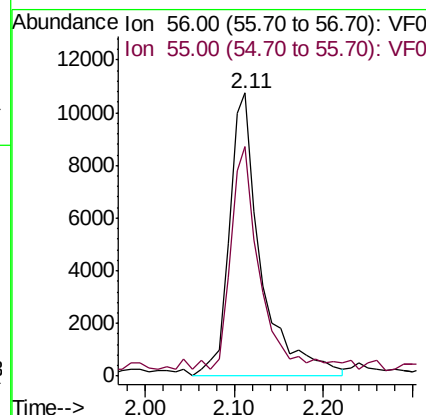
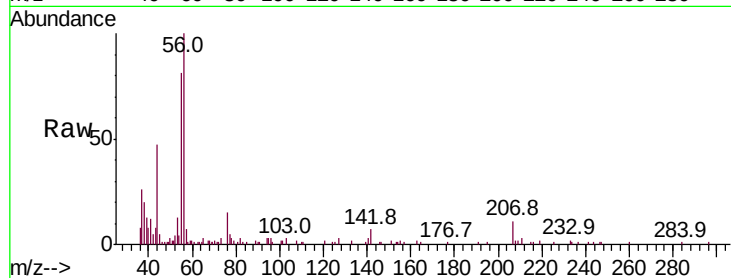
#13
Acrolein
Concen: 274.623 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	58.4	87.6

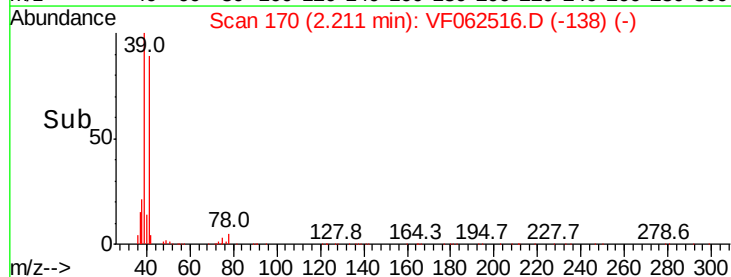
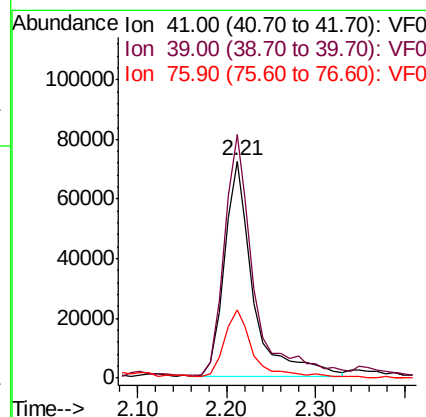
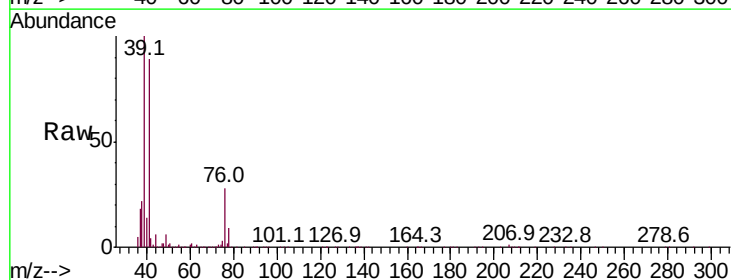
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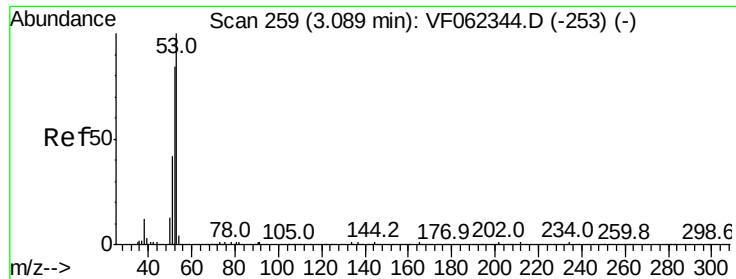
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#14
Allyl chloride
Concen: 81.437 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	114.1	90.8	136.2
76	33.0	22.2	33.4





#15

Acrylonitrile

Concen: 249.009 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

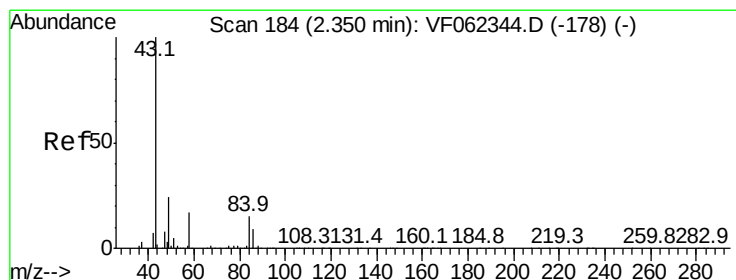
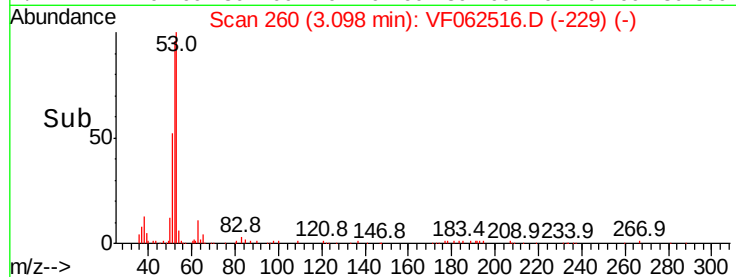
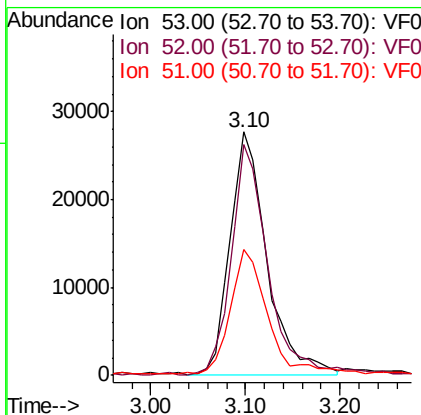
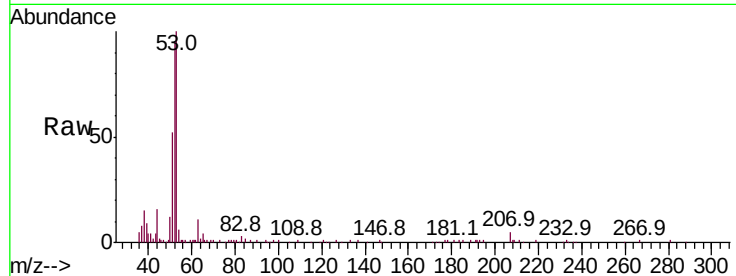
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	75312
Ion Ratio	Lower	Upper	
53	100		
52	95.3	77.2	115.8
51	51.2	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 220.966 ug/l

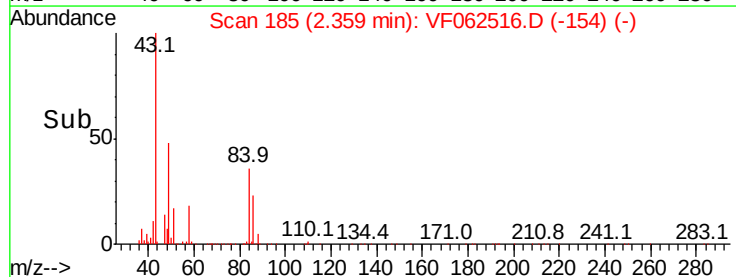
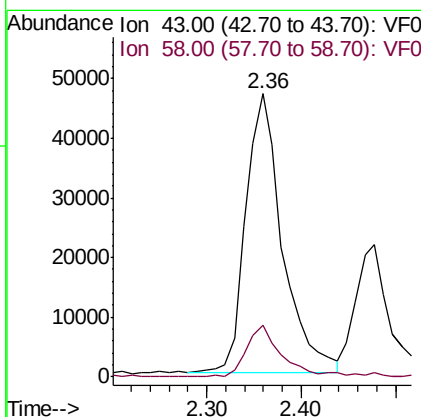
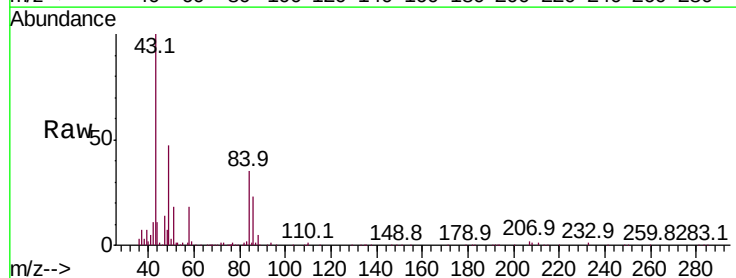
RT: 2.36 min Scan# 185

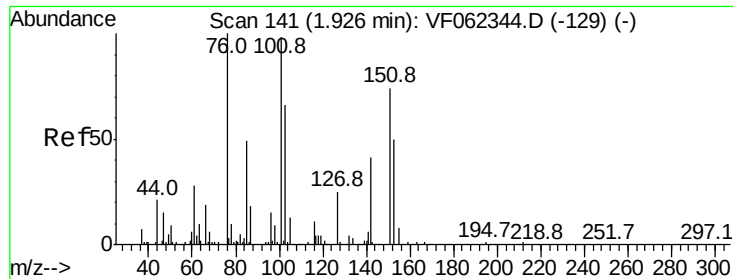
Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	43	Resp:	126280
Ion Ratio	Lower	Upper	
43	100		
58	18.3	13.1	19.7





#17

Carbon Disulfide

Concen: 45.543 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 227598

Ion Ratio Lower Upper

76 100

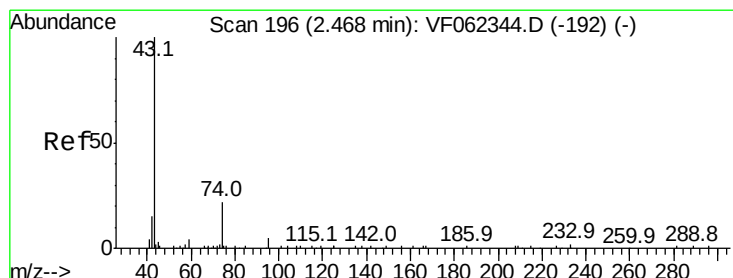
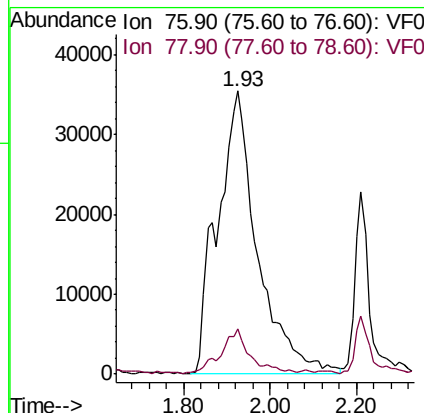
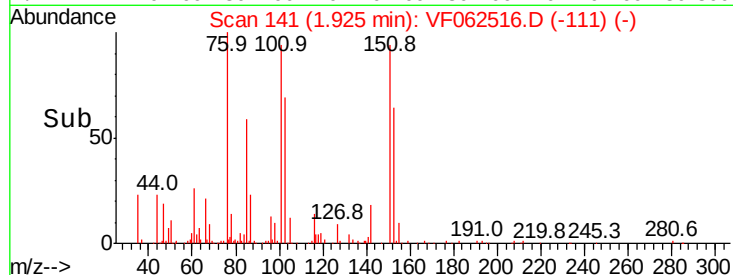
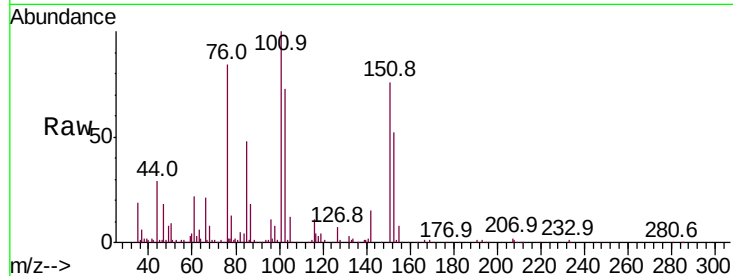
78 15.5 9.0 13.4#

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#18

Methyl Acetate

Concen: 46.999 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062516.D

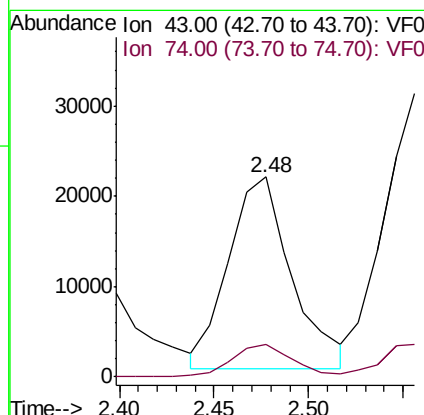
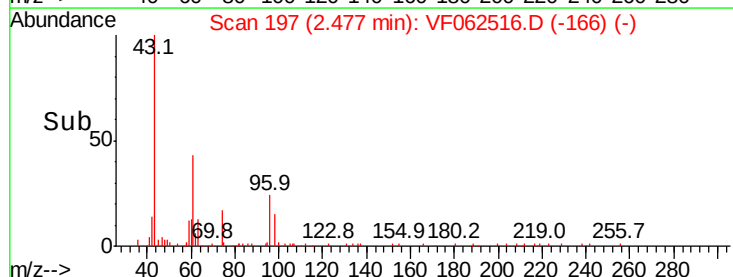
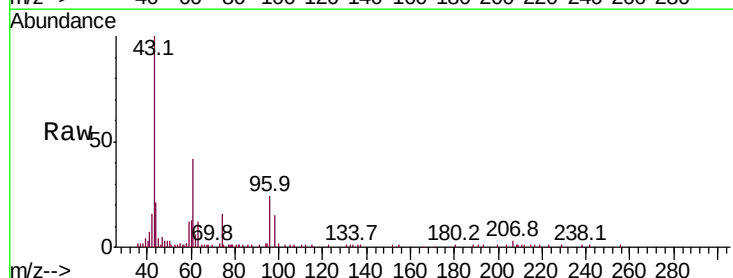
Acq: 12 May 2019 22:16

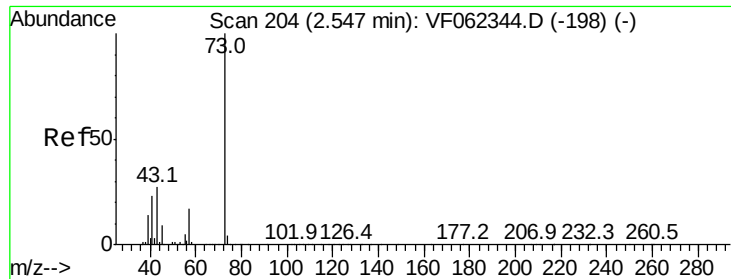
Tgt Ion: 43 Resp: 49179

Ion Ratio Lower Upper

43 100

74 16.7 15.0 22.4





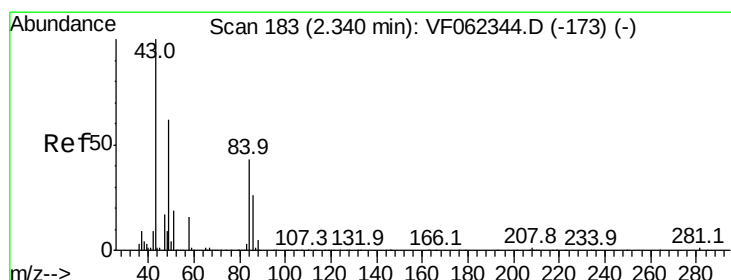
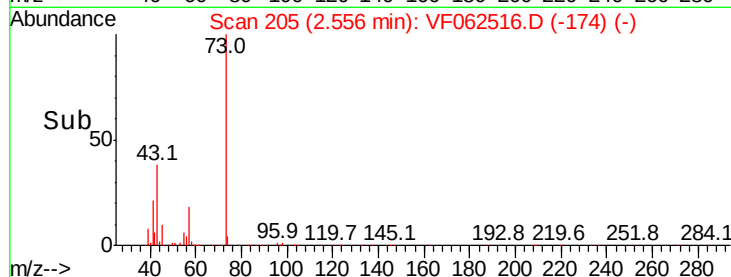
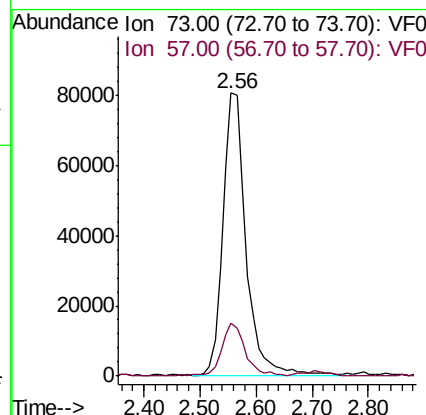
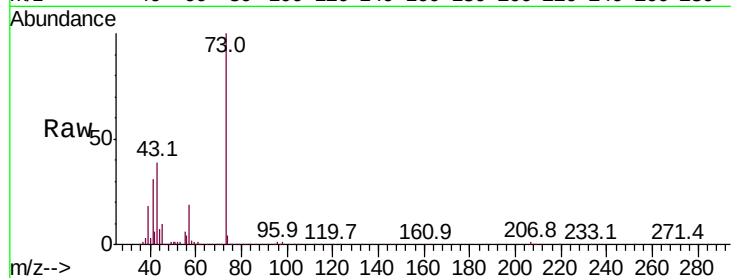
#19
Methyl tert-butyl Ether
Concen: 48.651 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	13.7	20.5

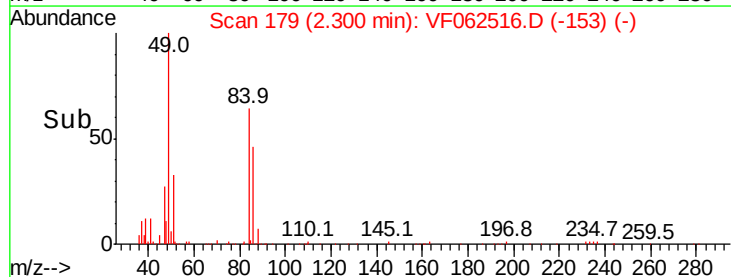
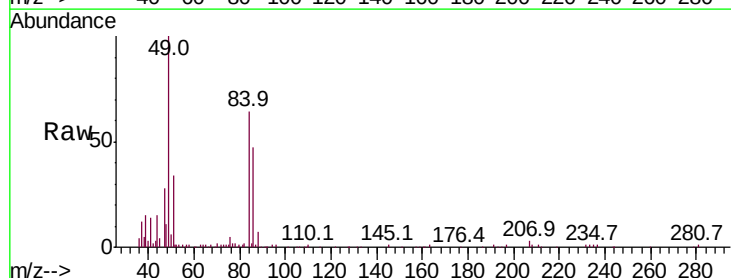
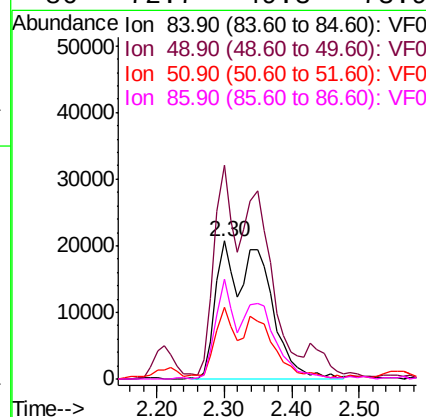
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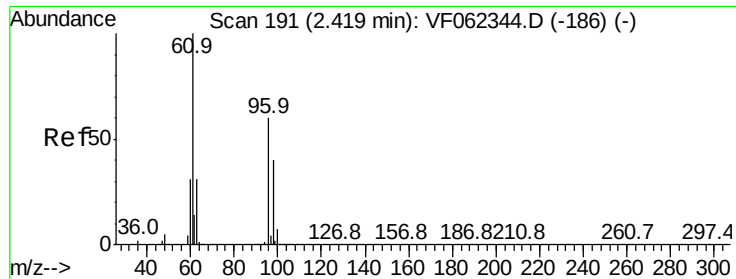
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#20
Methylene Chloride
Concen: 50.052 ug/l m
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.0	117.5	176.3
51	52.1	37.0	55.4
86	72.7	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 50.506 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

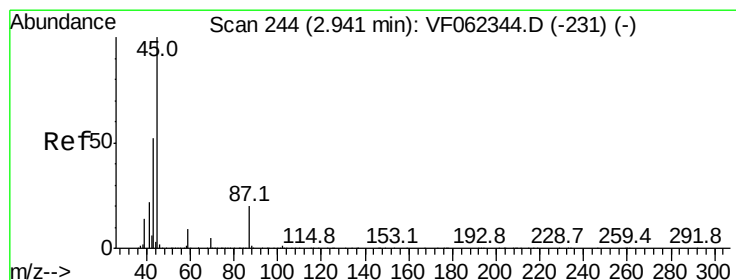
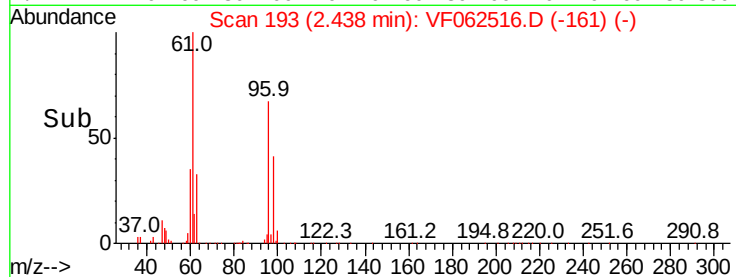
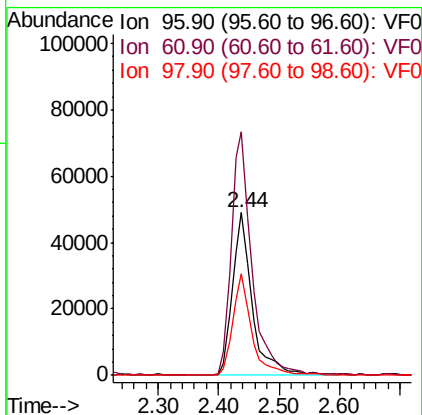
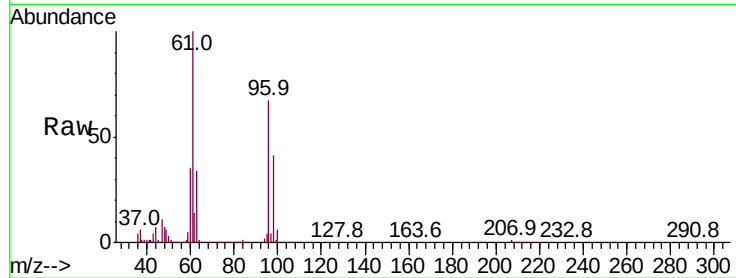
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	110286
Ion Ratio	Lower	Upper	
96	100		
61	149.9	133.2	199.8
98	62.1	53.1	79.7

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#22

Diisopropyl ether

Concen: 50.681 ug/l

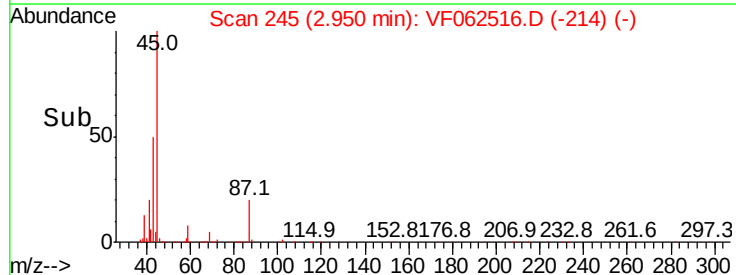
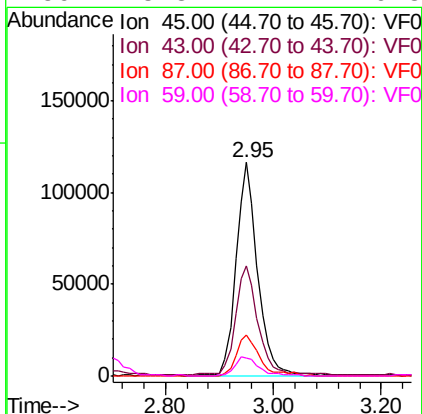
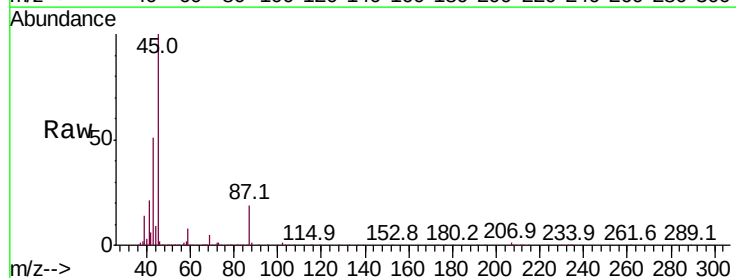
RT: 2.95 min Scan# 245

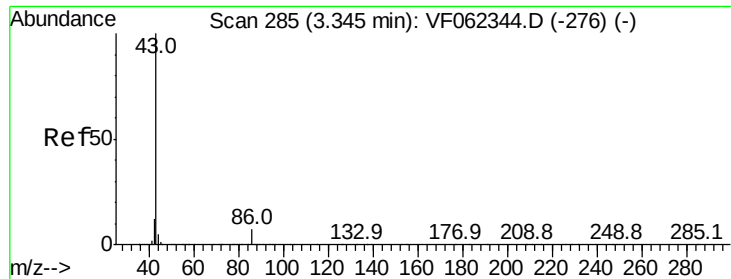
Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	45	Resp:	320691
Ion Ratio	Lower	Upper	
45	100		
43	50.9	41.4	62.0
87	19.4	15.8	23.6
59	8.3	7.2	10.8





#23

Vinyl Acetate

Concen: 243.090 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 685555

Ion Ratio Lower Upper

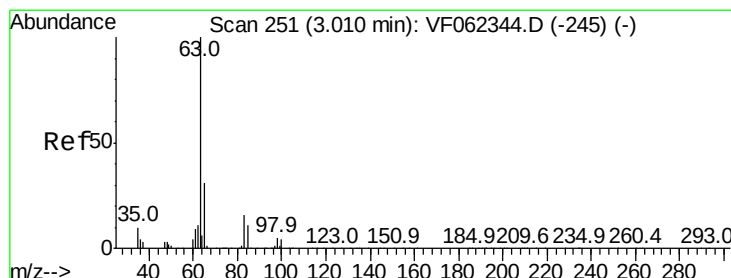
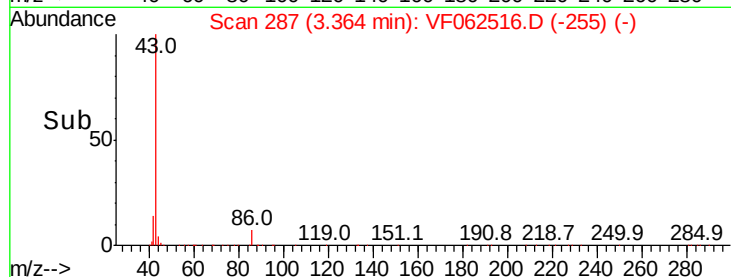
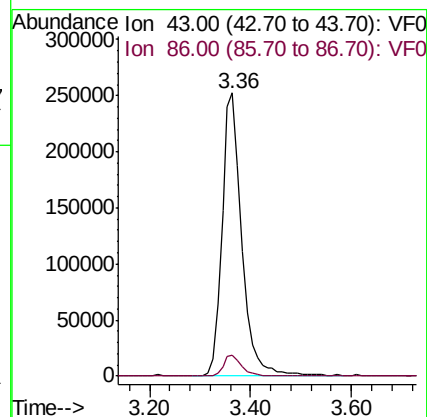
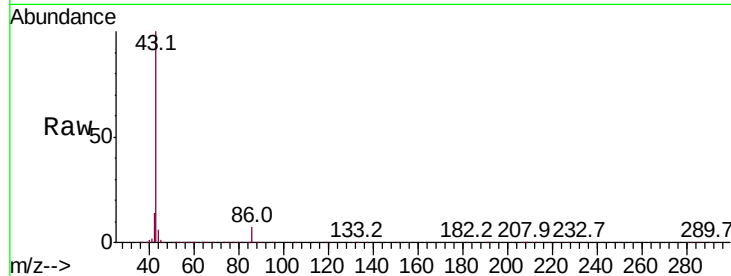
43 100

86 7.2 5.7 8.5

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#24

1,1-Dichloroethane

Concen: 54.893 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

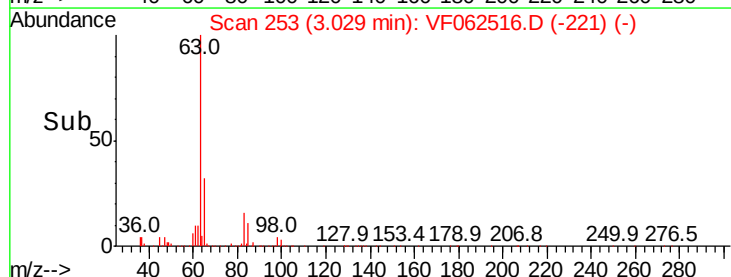
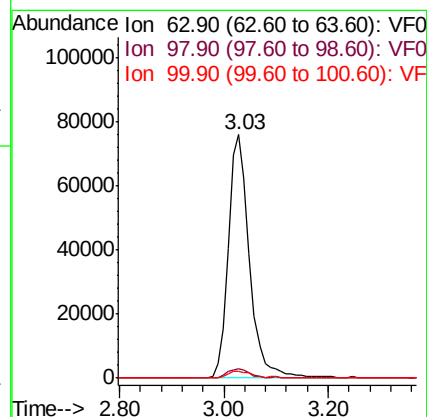
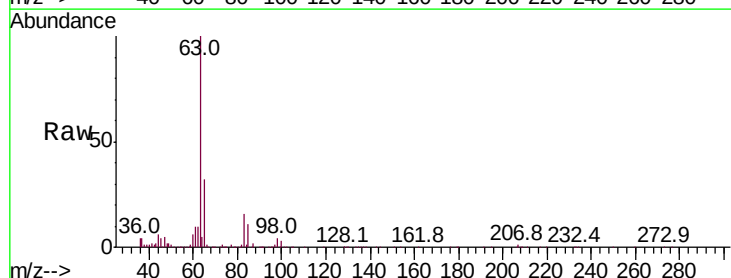
Tgt Ion: 63 Resp: 209929

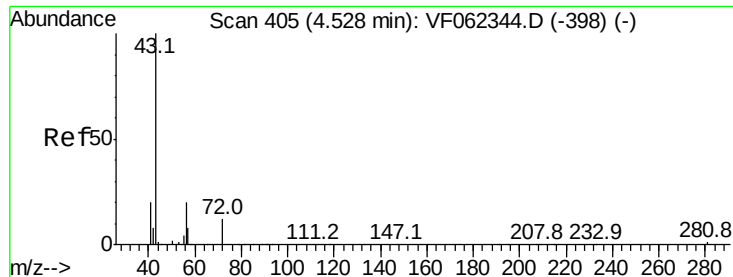
Ion Ratio Lower Upper

63 100

98 4.0 2.6 8.0

100 2.8 1.8 5.4





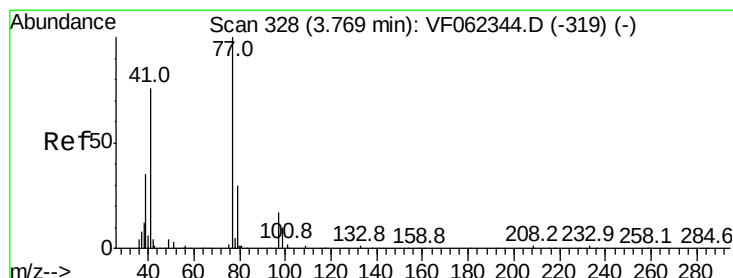
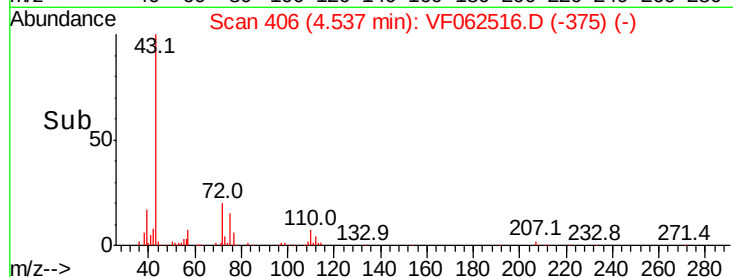
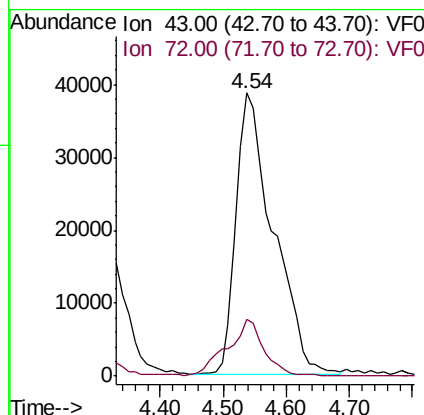
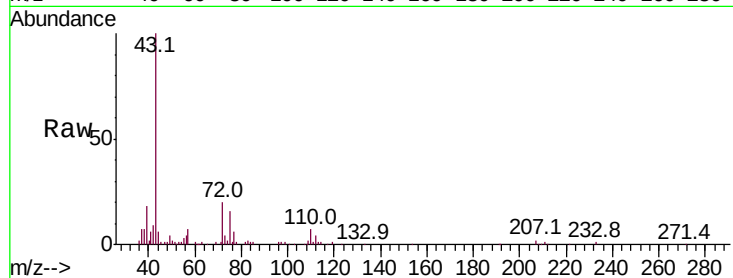
#25
2-Butanone
Concen: 218.192 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	20.2	14.2	21.4

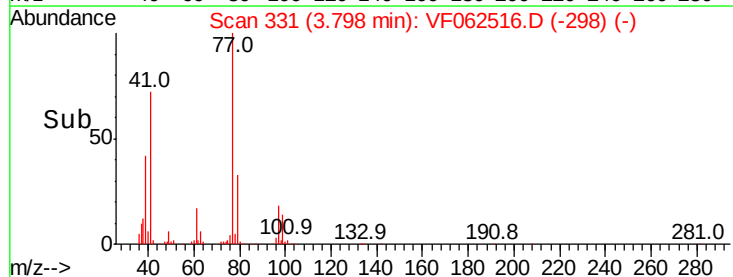
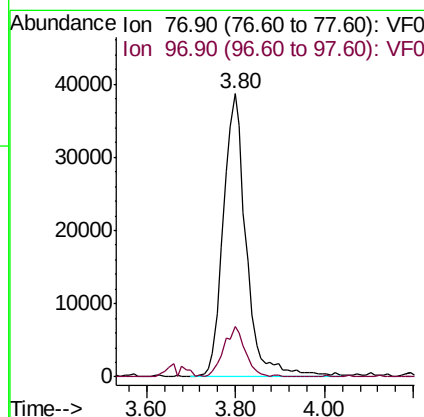
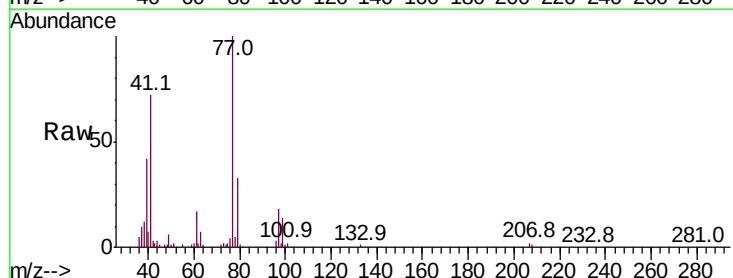
Manual Integrations
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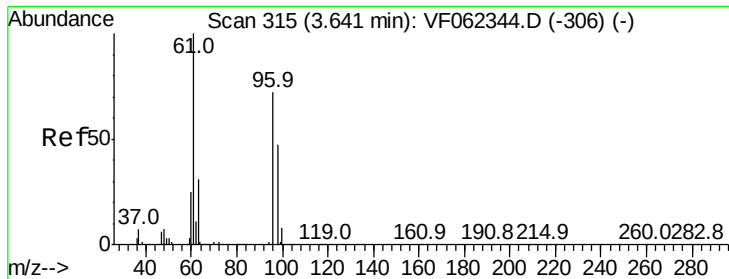
MMDadoda
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#26
2,2-Dichloropropane
Concen: 65.365 ug/l
RT: 3.80 min Scan# 331
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
77	100		
97	16.4	9.5	28.5





#27

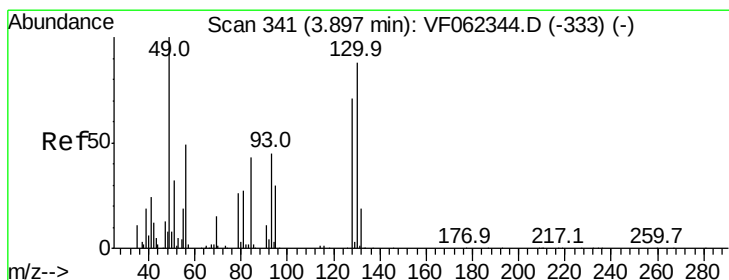
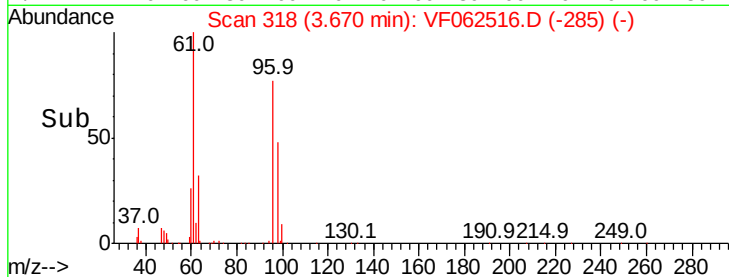
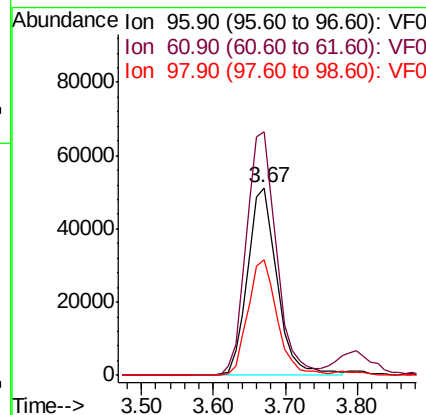
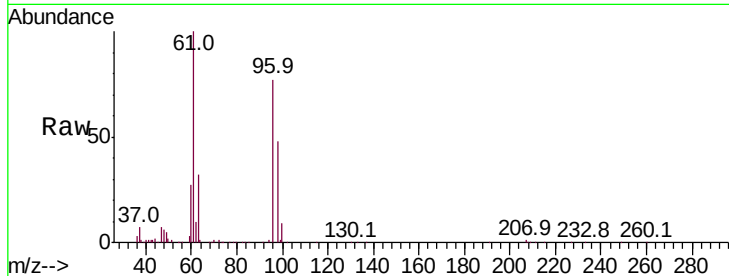
cis-1,2-Dichloroethene
Concen: 54.109 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147693		
61	130.6	0.0	263.0	
98	60.6	0.0	130.8	

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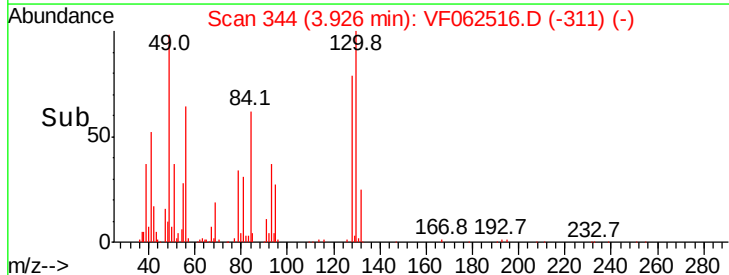
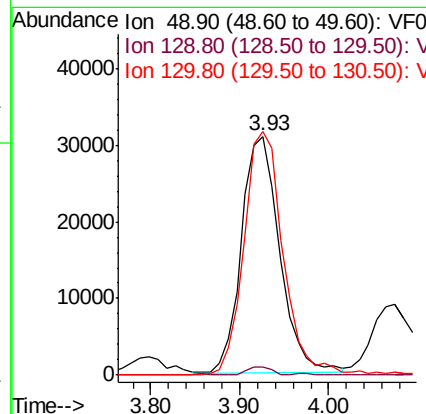
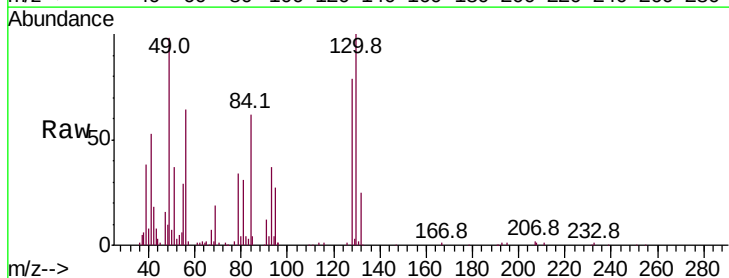
MMDadoda
5/13/2019 12:24:03 PM

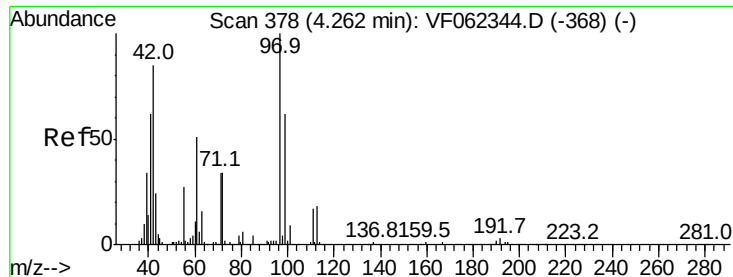


#28

Bromochloromethane
Concen: 53.108 ug/l
RT: 3.93 min Scan# 344
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92111		
129	2.2	0.0	2.2#	
130	104.5	79.4	119.0	





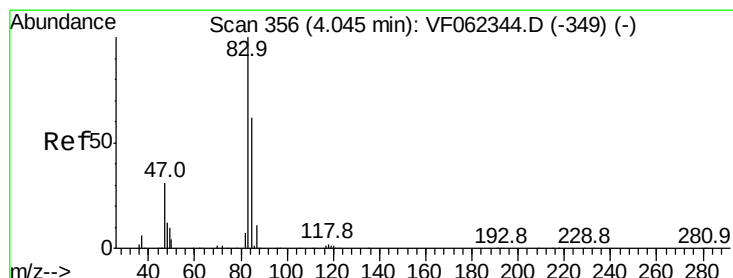
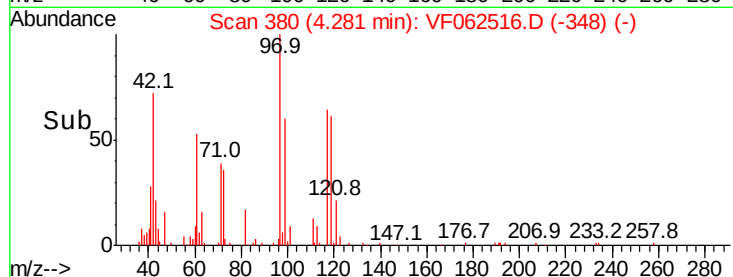
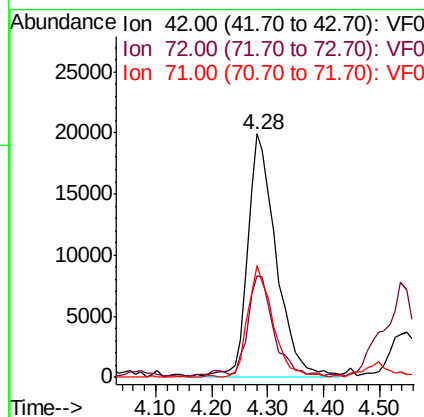
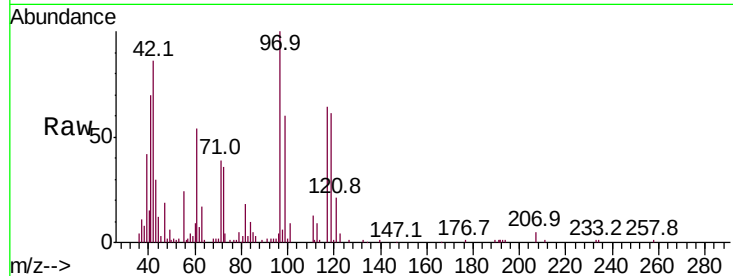
#29
Tetrahydrofuran
Concen: 213.816 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	31.4	47.0
71	40.1	31.7	47.5

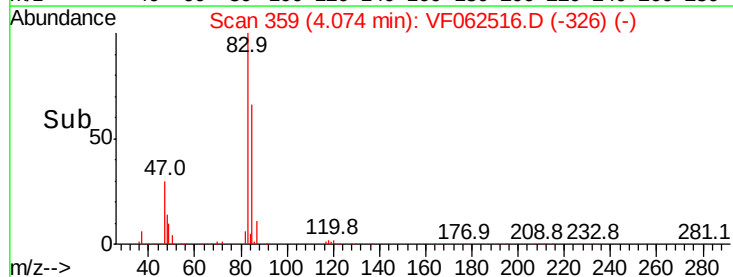
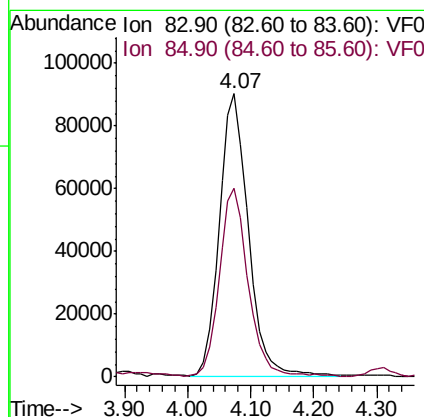
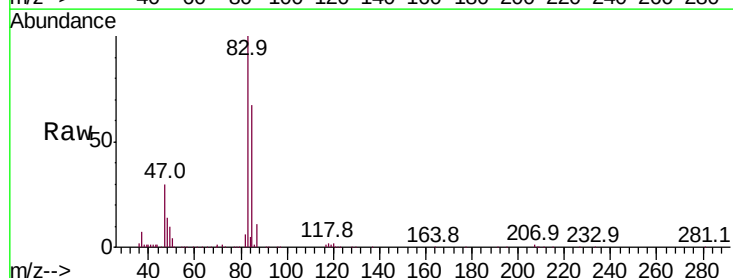
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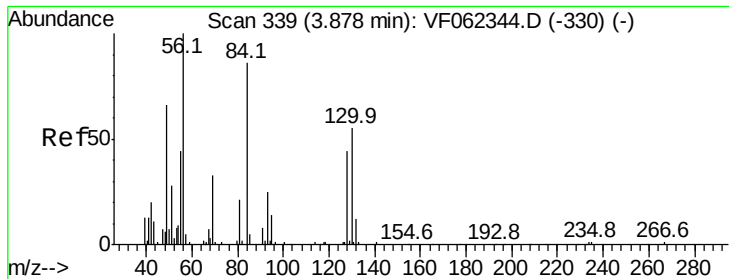
MMDadoda
5/13/2019 12:24:03 PM



#30
Chloroform
Concen: 55.341 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.6	74.4





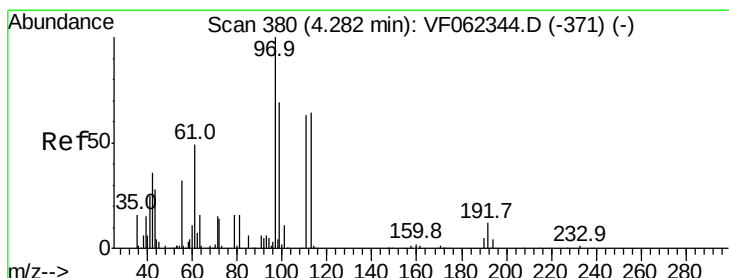
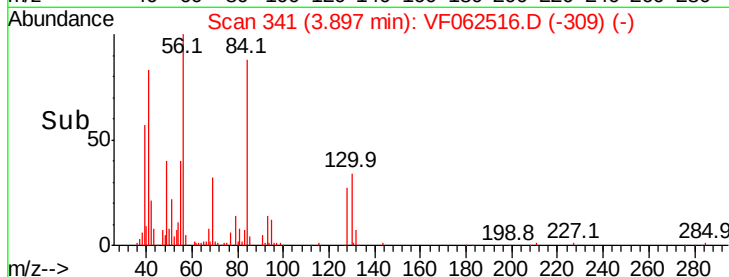
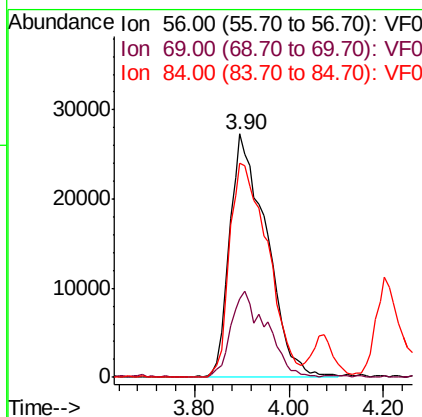
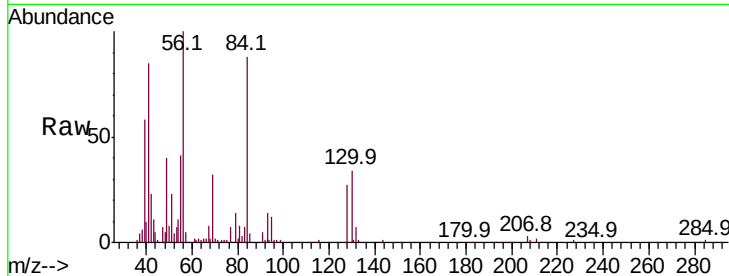
#31
Cyclohexane
Concen: 48.386 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.4	39.6
84	88.1	69.0	103.6

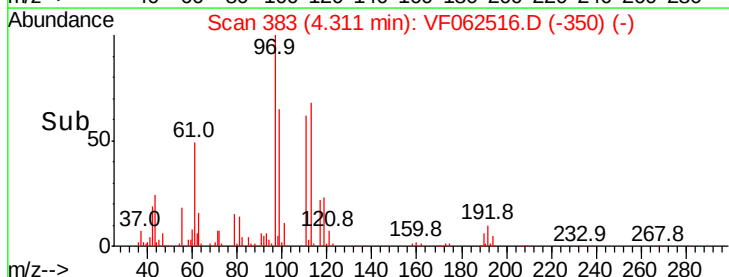
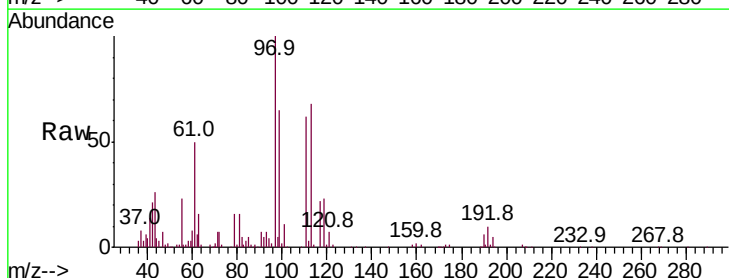
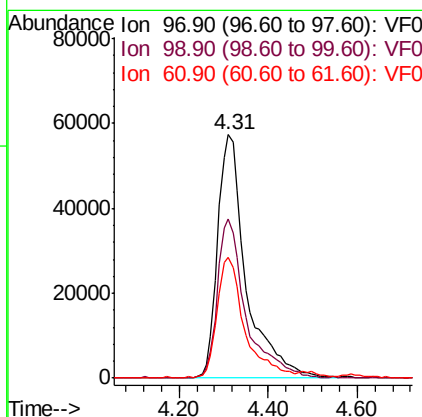
Manual Integrations
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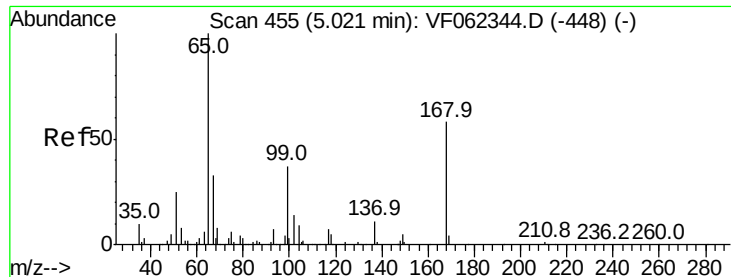
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#32
1,1,1-Trichloroethane
Concen: 57.934 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.6	78.8
61	48.1	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 51.466 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 145395

Ion Ratio Lower Upper

65 100

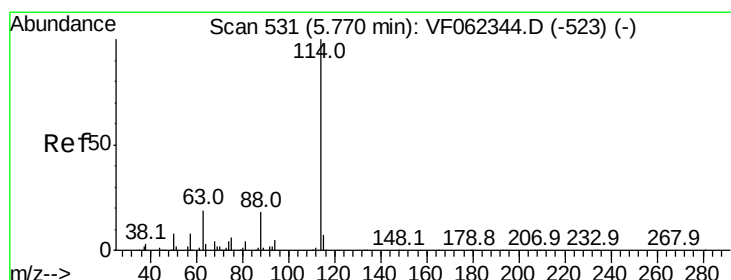
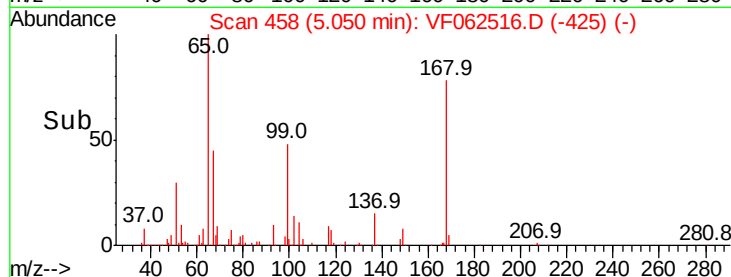
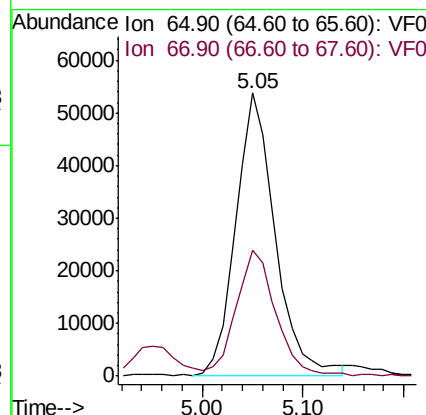
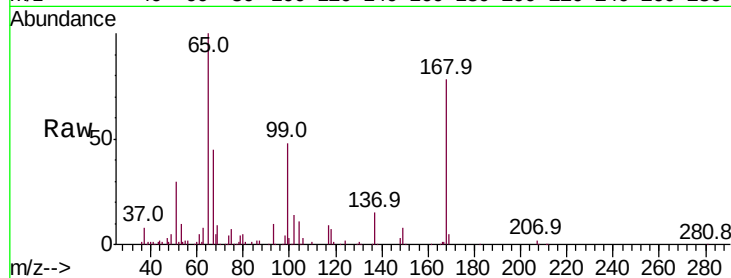
67 45.6 0.0 85.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

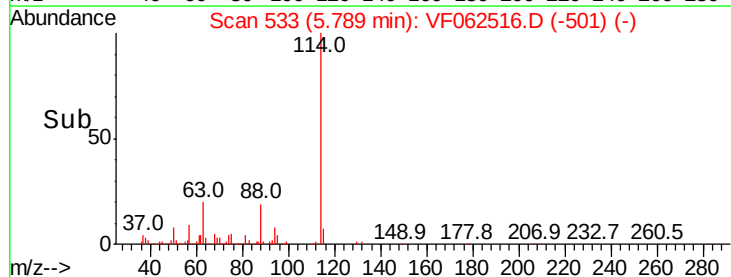
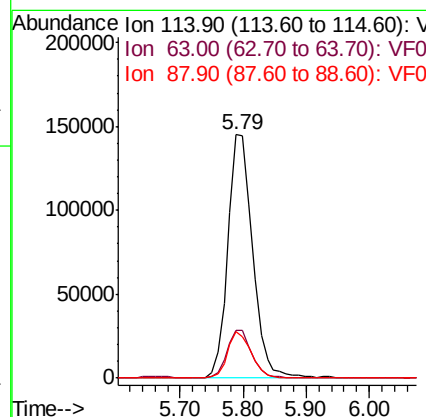
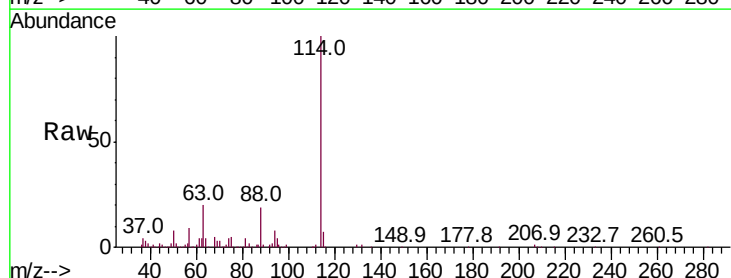
Tgt Ion: 114 Resp: 395425

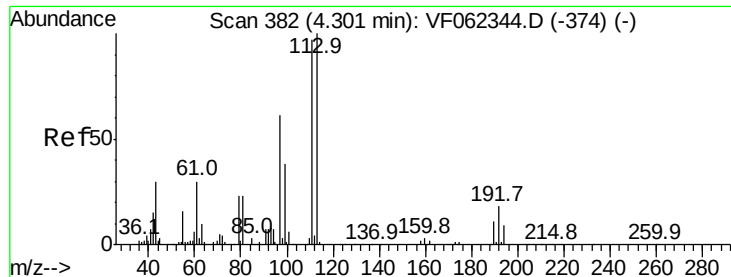
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 18.9 0.0 36.4





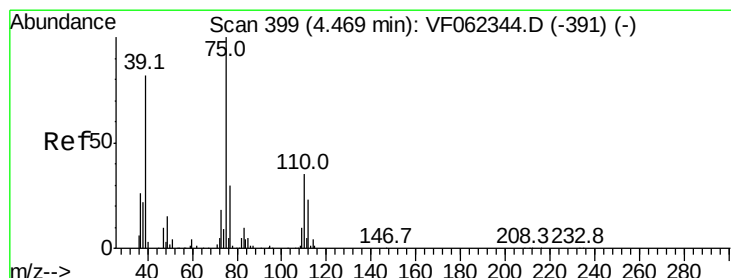
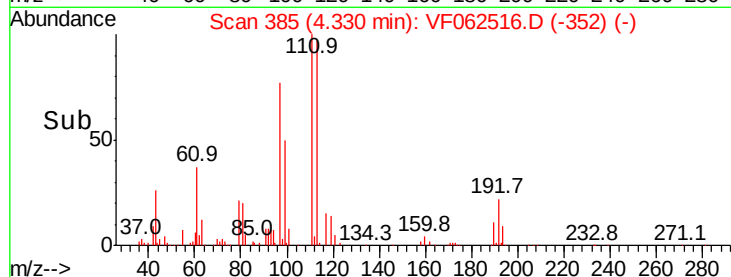
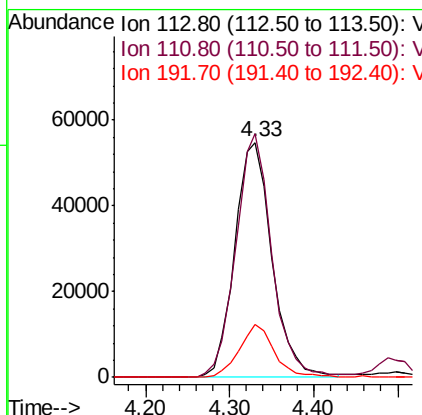
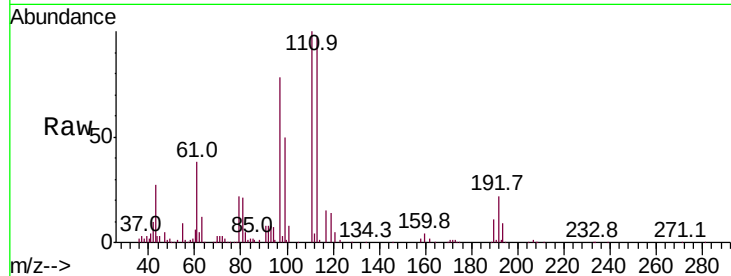
#35
 Dibromofluoromethane
 Concen: 53.789 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.03 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	169452		
111	100.0	79.4	119.0	
192	21.3	16.0	24.0	

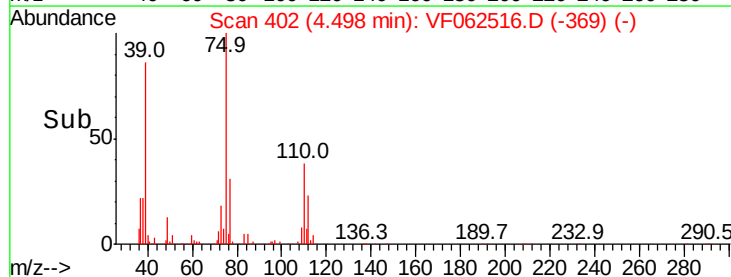
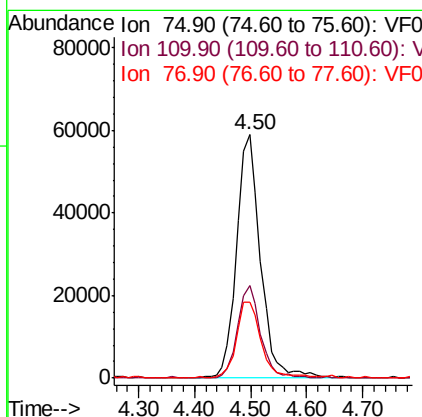
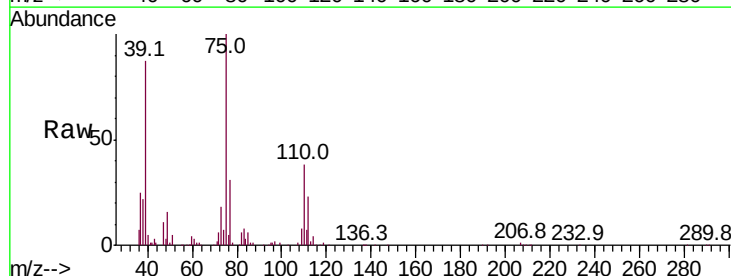
Manual Integrations
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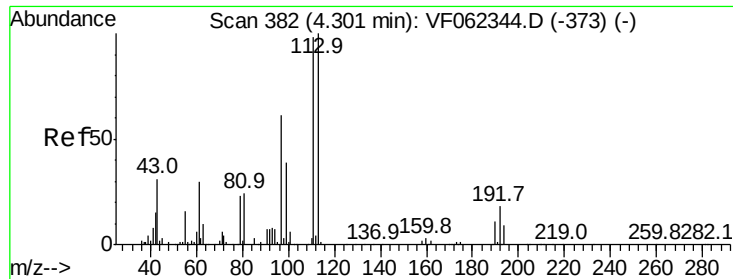
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 5/13/2019 12:24:03 PM



#36
 1,1-Dichloropropene
 Concen: 51.484 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.03 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174884		
110	36.4	17.2	51.5	
77	31.7	25.2	37.8	





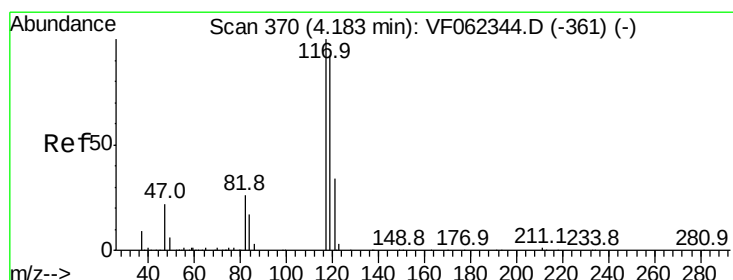
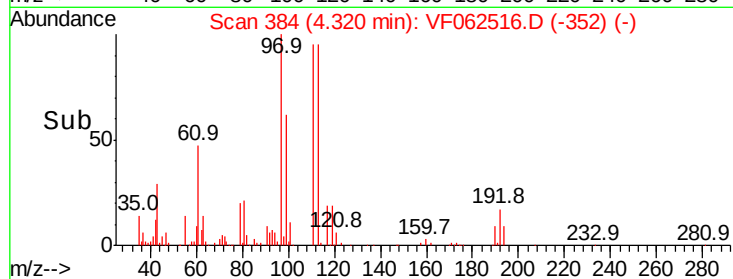
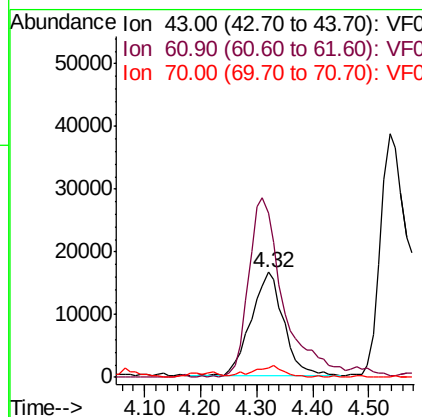
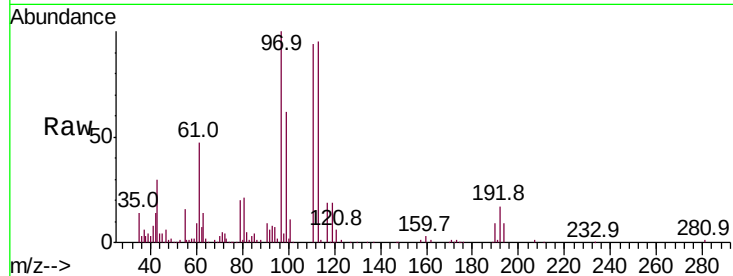
#37
Ethyl Acetate
Concen: 49.872 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	186.9	0.0	0.0#	
70	11.2	8.2	12.2	

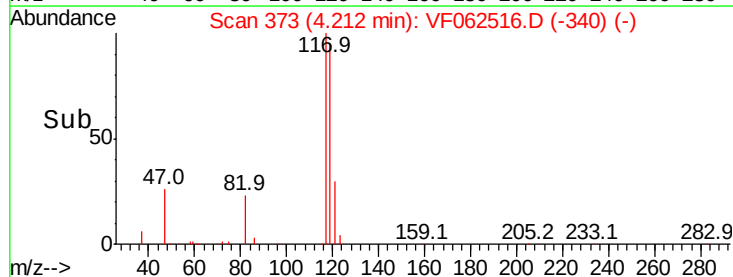
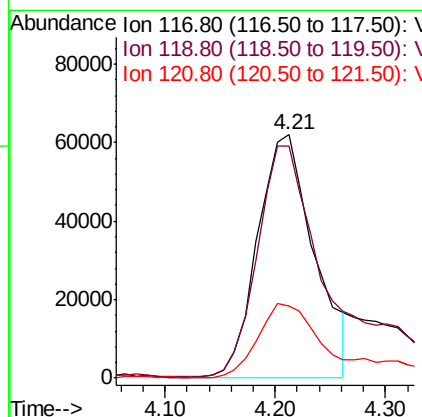
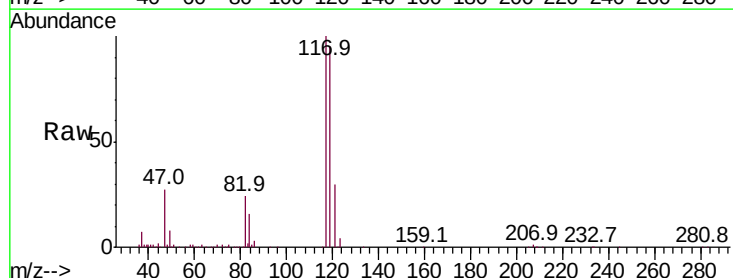
Manual Integrations
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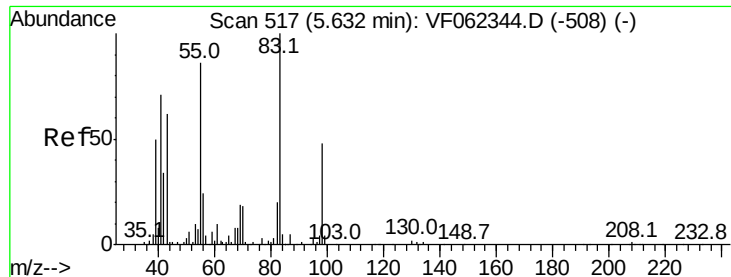
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#38
Carbon Tetrachloride
Concen: 63.768 ug/l m
RT: 4.21 min Scan# 373
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	73.4	110.2	
121	29.8	27.4	41.0	





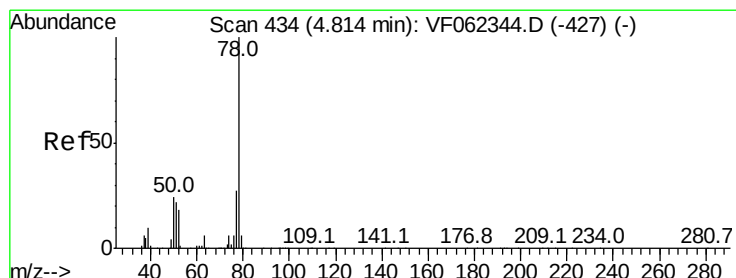
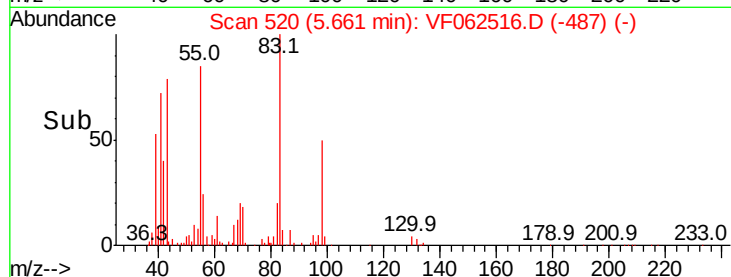
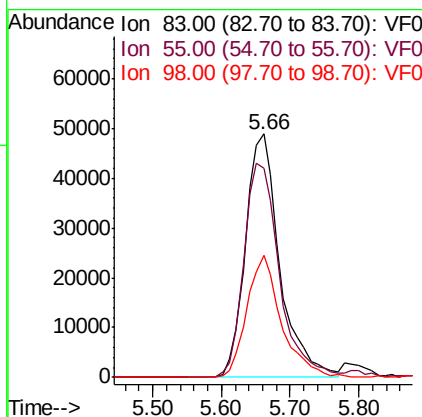
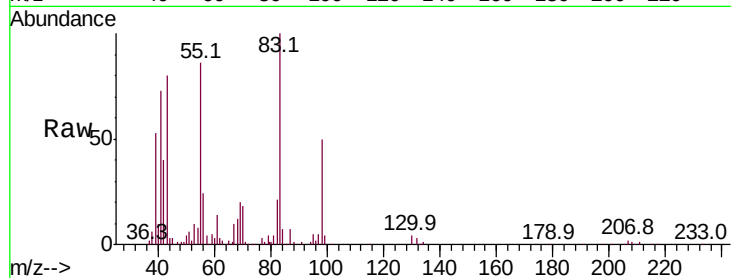
#39
Methylvlcyclohexane
Concen: 49.904 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	170008
Ion Ratio	100	Lower	Upper
83	100		
55	85.4	69.0	103.6
98	50.1	38.6	58.0

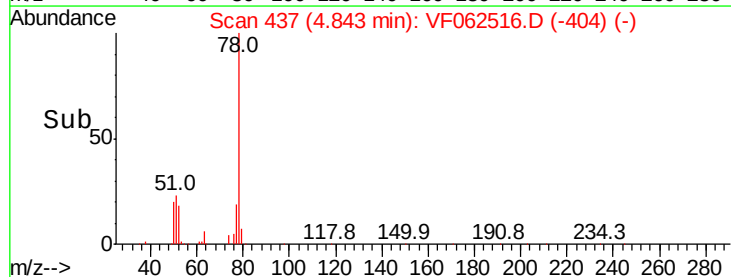
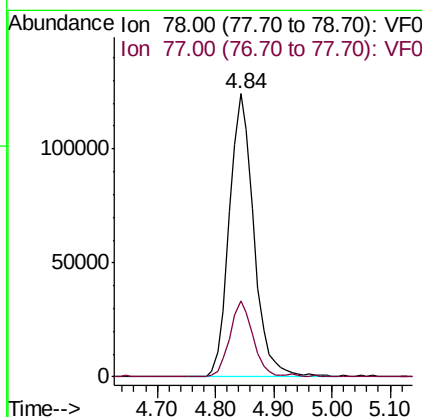
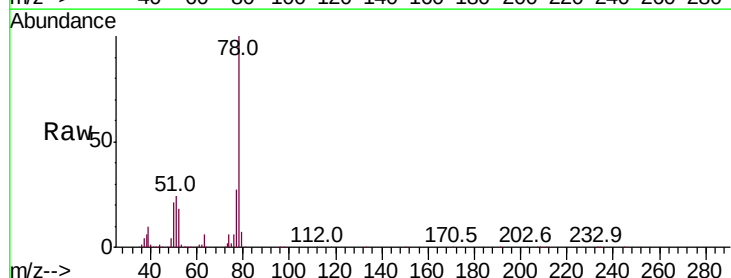
Manual Integrations
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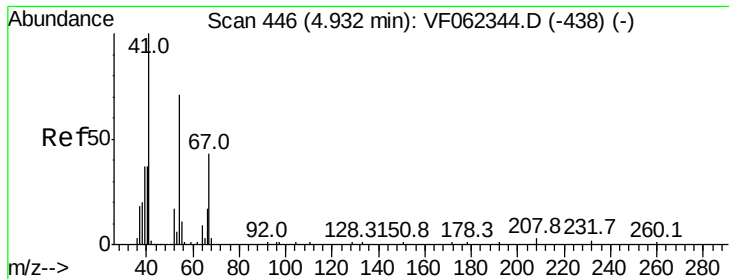
MMDadoda
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#40
Benzene
Concen: 48.733 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	78	Resp	364524
Ion Ratio	100	Lower	Upper
78	100		
77	26.9	21.6	32.4





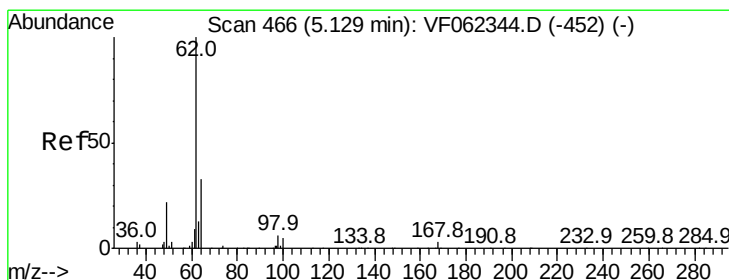
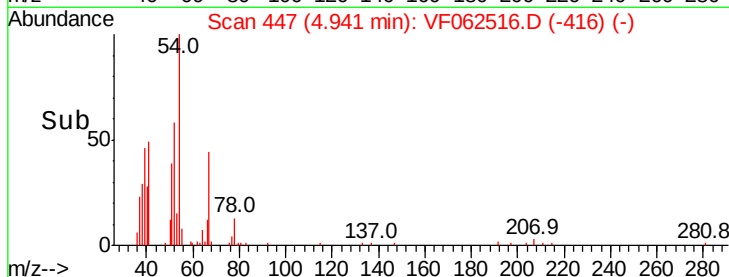
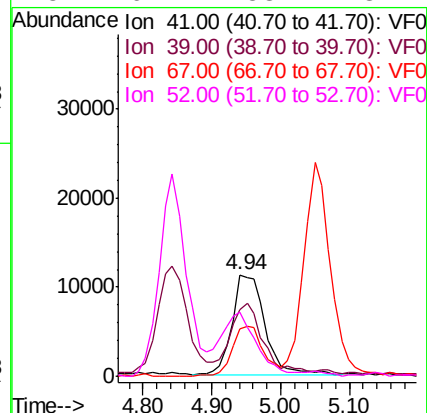
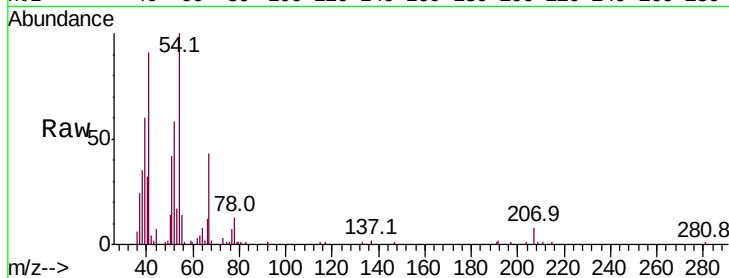
#41
Methacrylonitrile
Concen: 45.340 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.5	54.3	81.5	
67	48.2	37.8	56.8	
52	64.7	58.2	87.4	

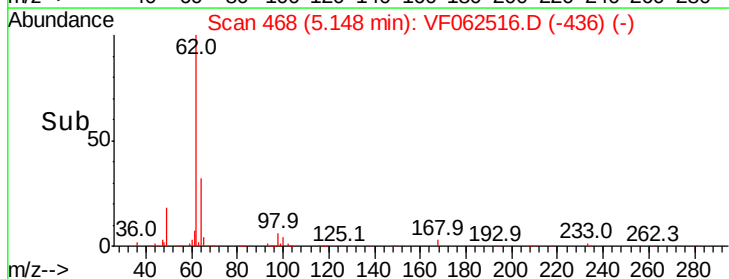
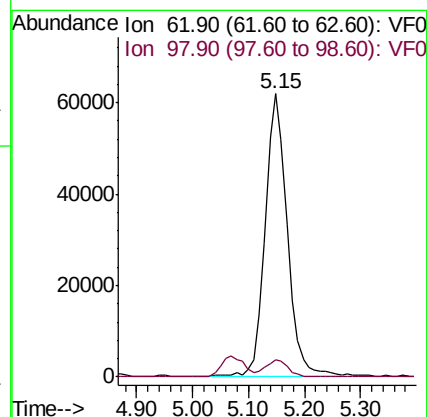
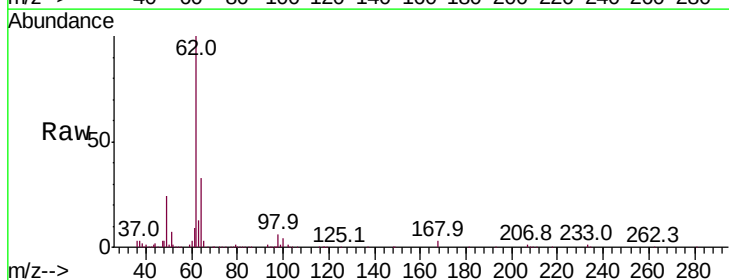
Manual Integrations
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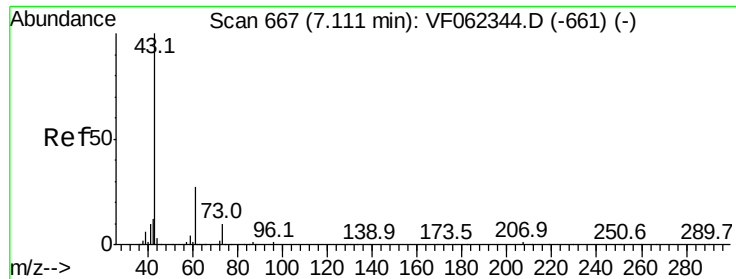
MMDadoda
5/13/2019 12:24:03 PM



#42
1,2-Dichloroethane
Concen: 54.379 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.9	0.0	12.4	





#43

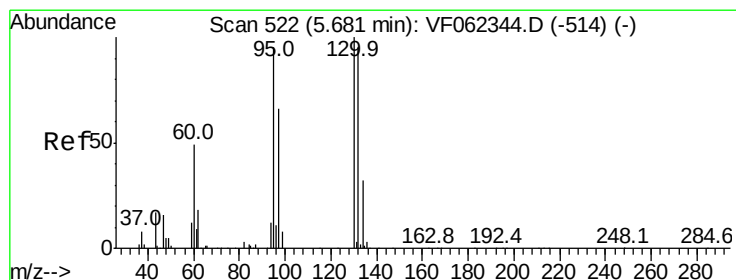
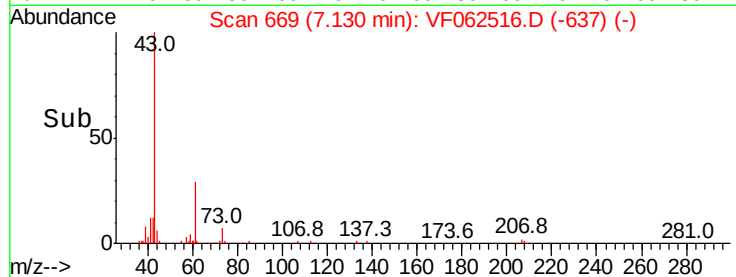
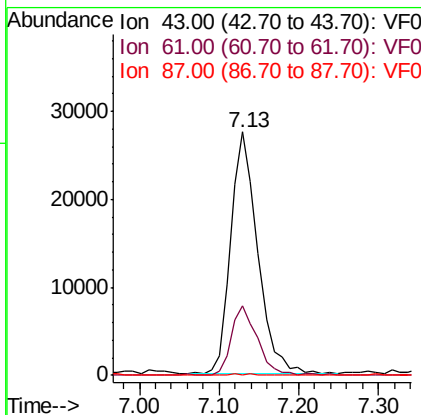
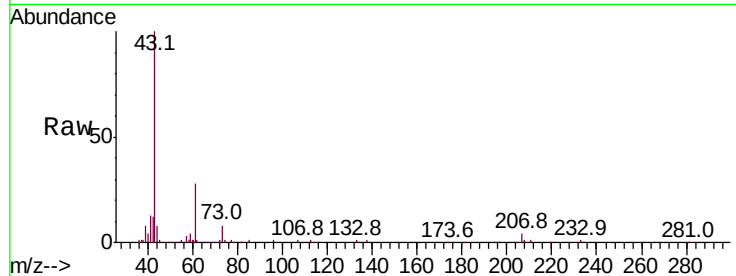
Isopropyl Acetate
 Concen: 42.072 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.8	34.2
87	0.5	0.6	1.0

Manual Integrations
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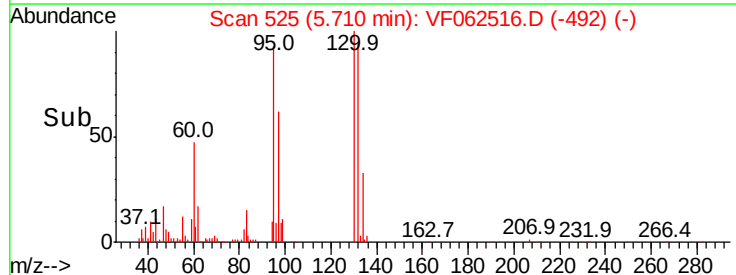
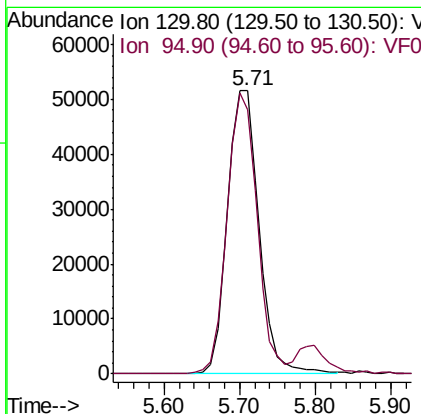
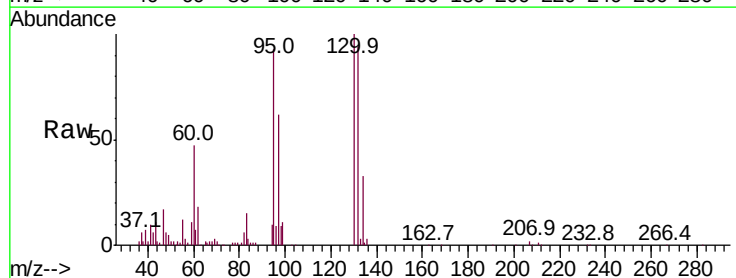
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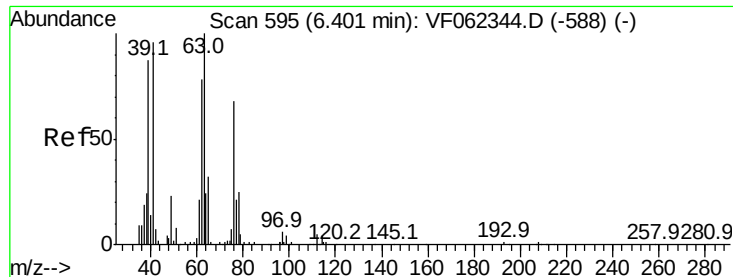


#44

Trichloroethene
 Concen: 53.942 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.03 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	189.0





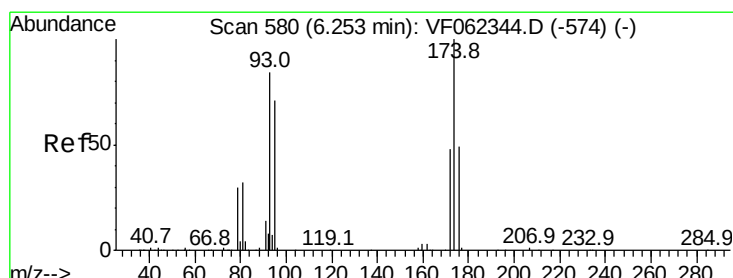
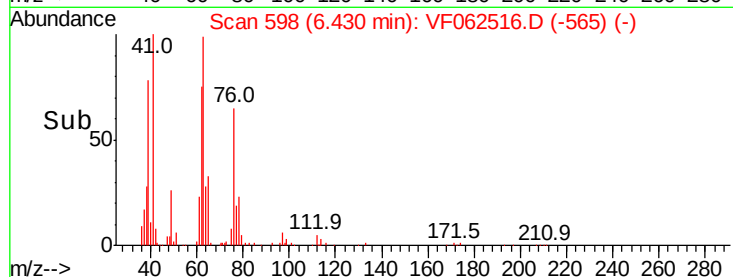
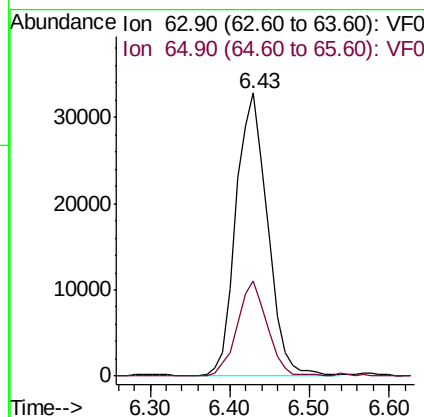
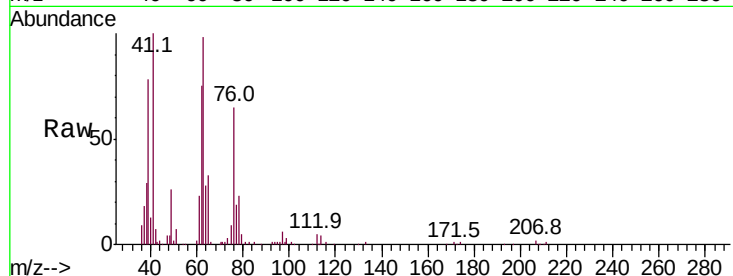
#45
1,2-Dichloropropane
Concen: 53.424 ug/l
RT: 6.43 min Scan# 598
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 90514
Ion Ratio Lower Upper
63 100
65 33.5 25.6 38.4

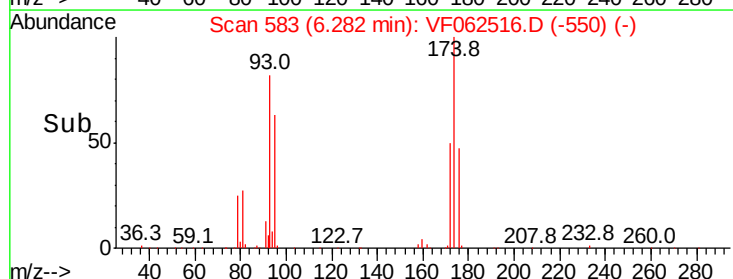
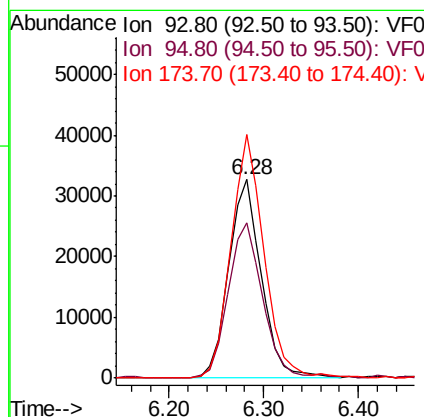
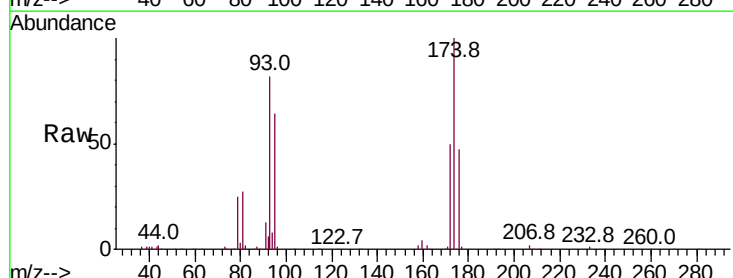
Manual Integrations
APPROVED

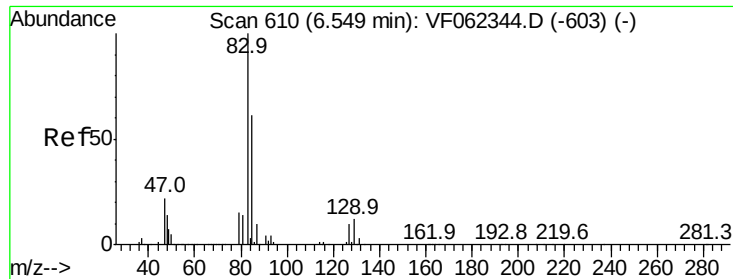
MMDadoda
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#46
Dibromomethane
Concen: 55.797 ug/l
RT: 6.28 min Scan# 583
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion: 93 Resp: 78381
Ion Ratio Lower Upper
93 100
95 83.0 68.4 102.6
174 124.2 99.6 149.4





#47

Bromodichloromethane

Concen: 57.842 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

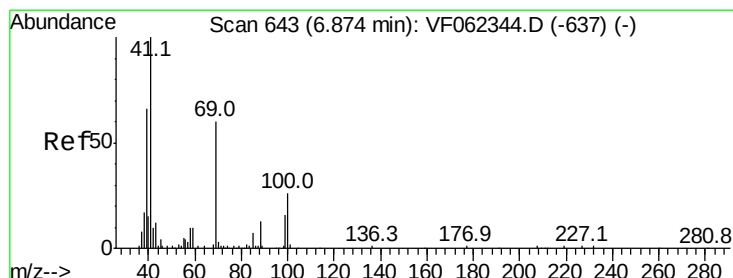
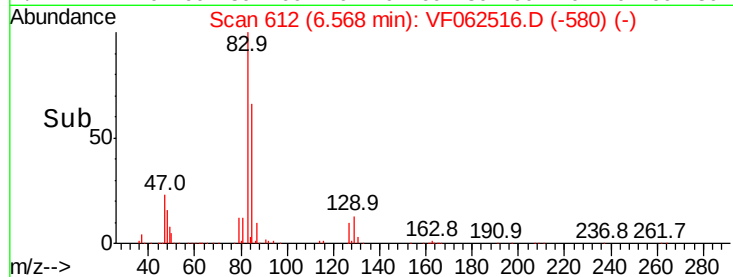
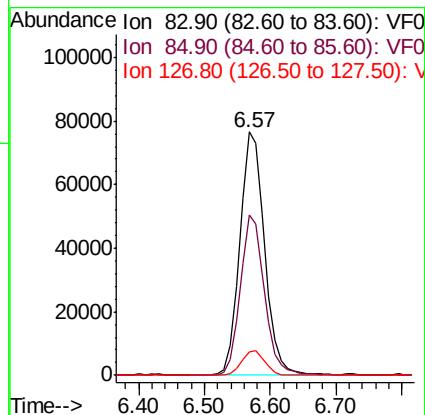
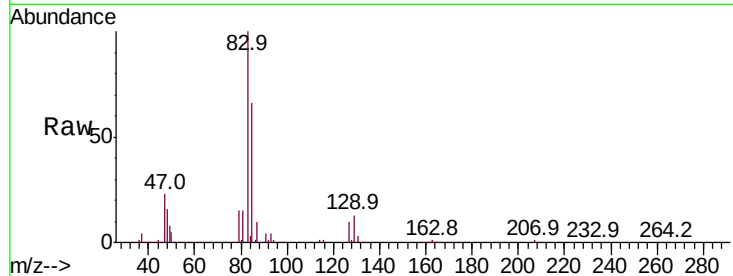
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	203145
Ion Ratio	Lower	Upper	
83	100		
85	66.1	49.1	73.7
127	9.8	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.714 ug/l

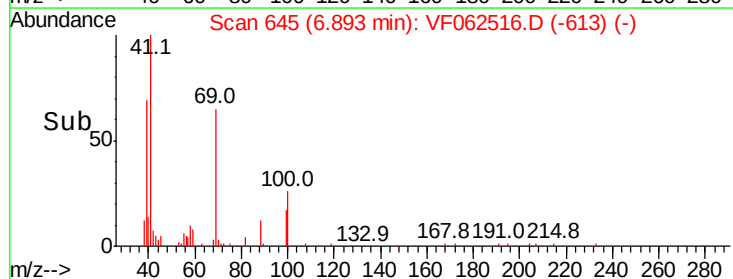
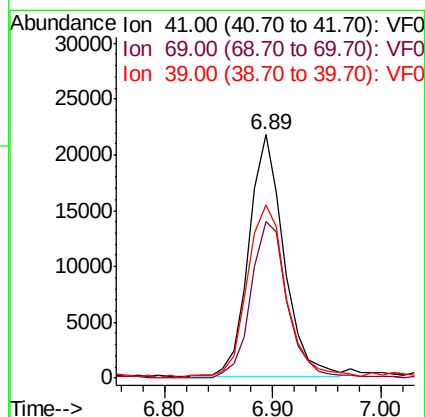
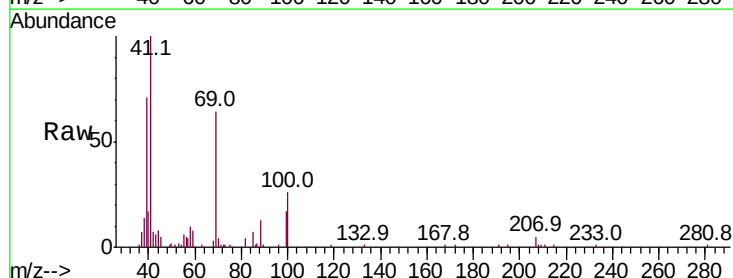
RT: 6.89 min Scan# 645

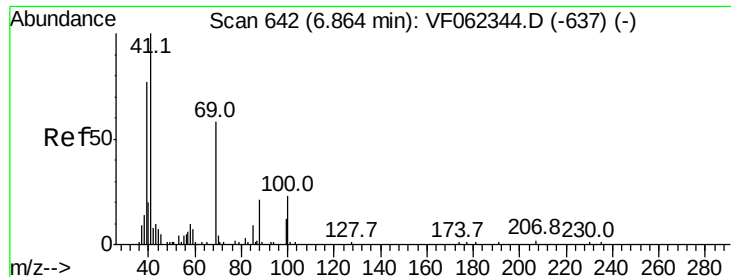
Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	41	Resp:	48822
Ion Ratio	Lower	Upper	
41	100		
69	68.0	48.6	72.8
39	81.0	56.1	84.1





#49

1,4-Dioxane

Concen: 792.231 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

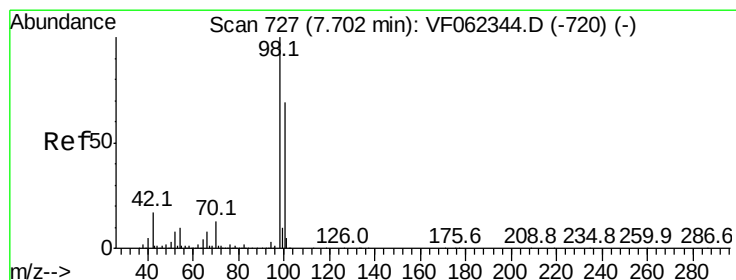
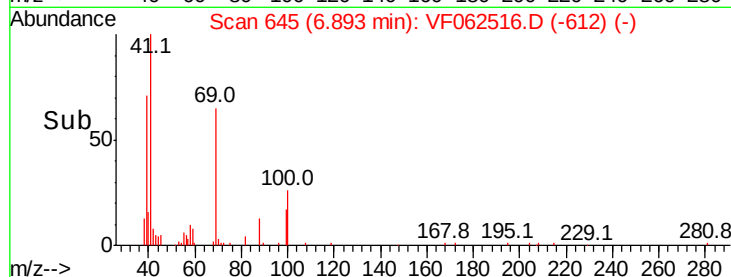
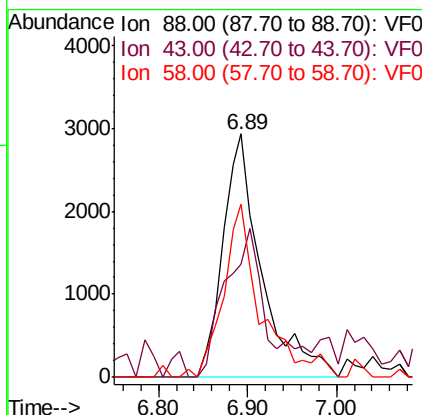
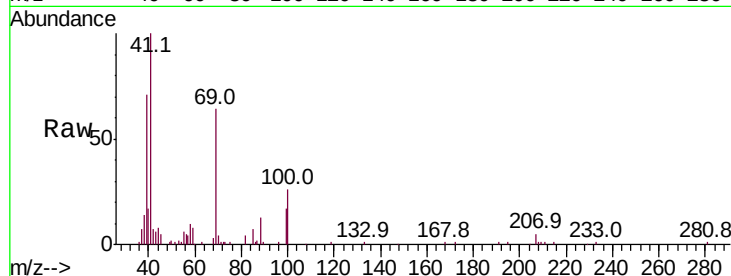
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	8927
Ion	Ratio	Lower	Upper
88	100		
43	66.3	55.6	83.4
58	66.6	52.8	79.2

Manual Integrations
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#50

Toluene-d8

Concen: 50.592 ug/l

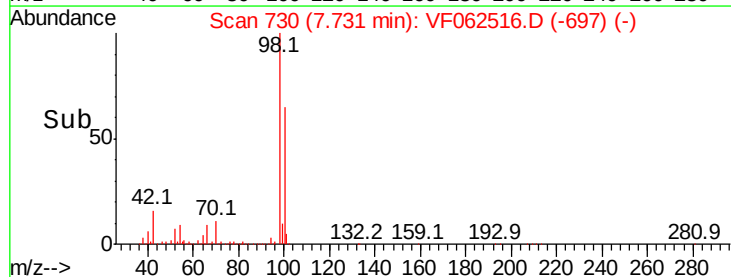
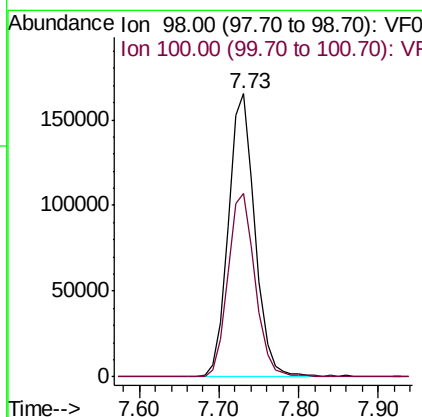
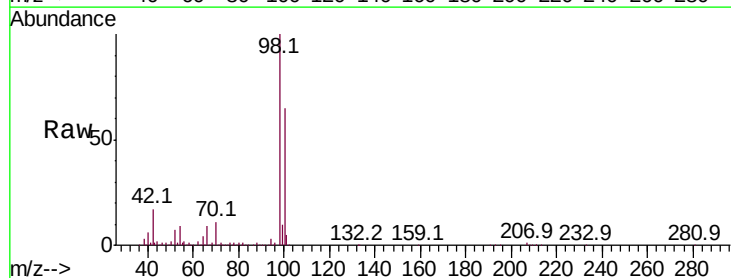
RT: 7.73 min Scan# 730

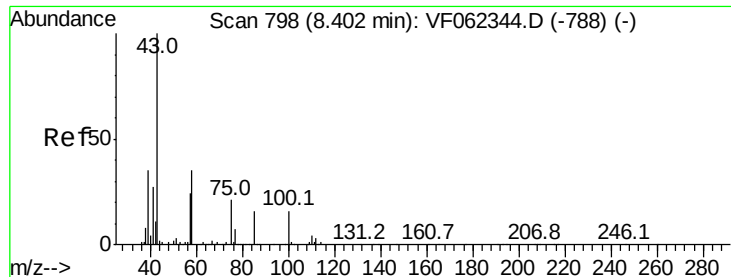
Delta R.T. 0.03 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	98	Resp:	385801
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 252.130 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 295183

Ion Ratio Lower Upper

43 100

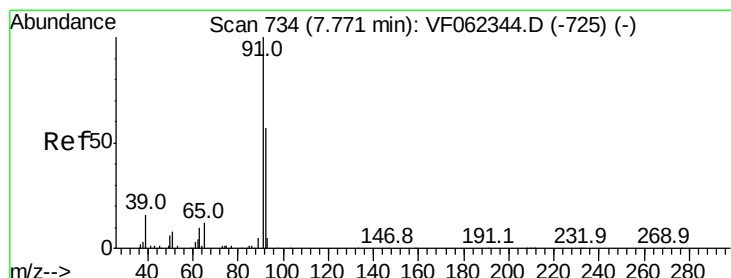
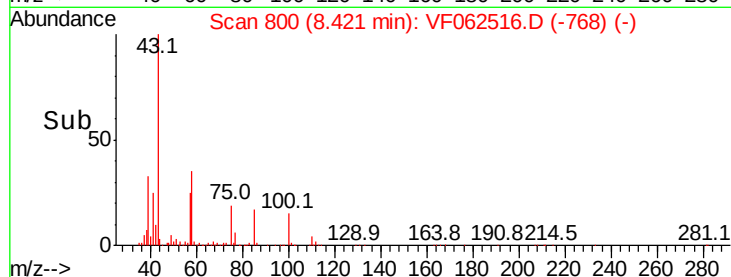
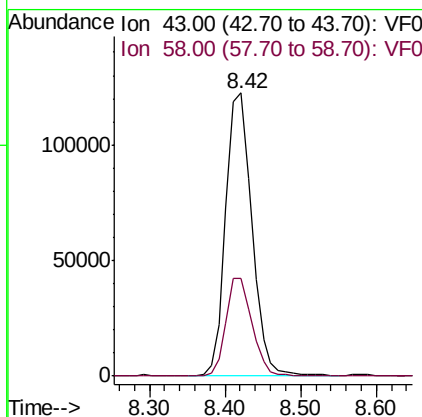
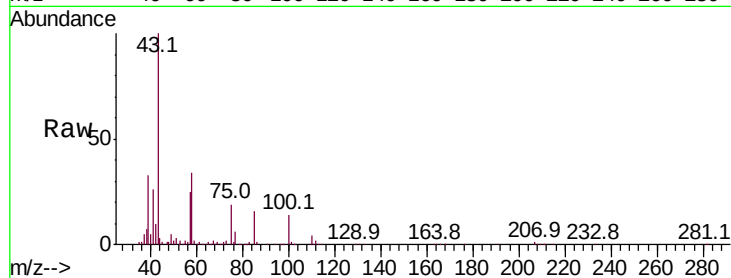
58 34.0 27.8 41.6

Manual Integrations

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#52

Toluene

Concen: 52.862 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062516.D

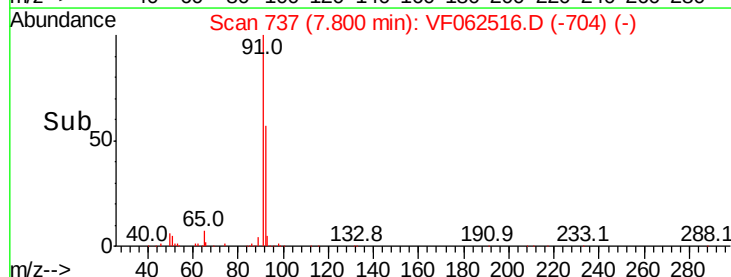
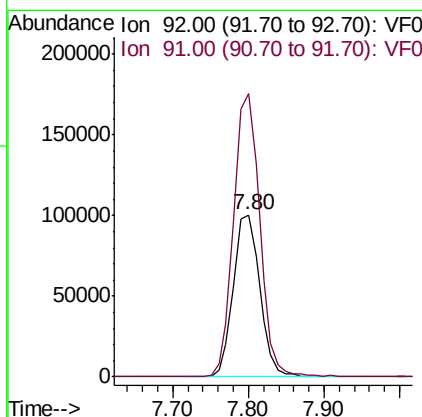
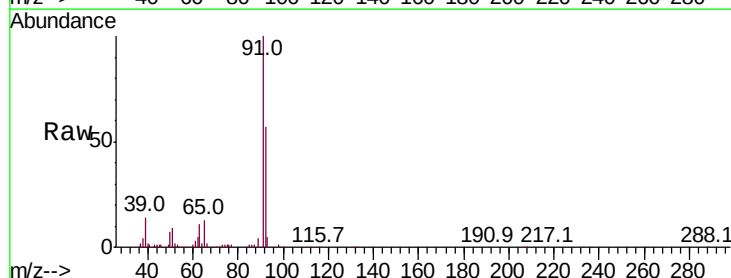
Acq: 12 May 2019 22:16

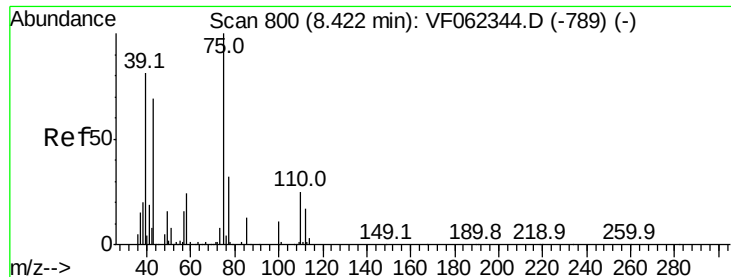
Tgt Ion: 92 Resp: 243932

Ion Ratio Lower Upper

92 100

91 171.8 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 50.906 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 135222

Ion Ratio Lower Upper

75 100

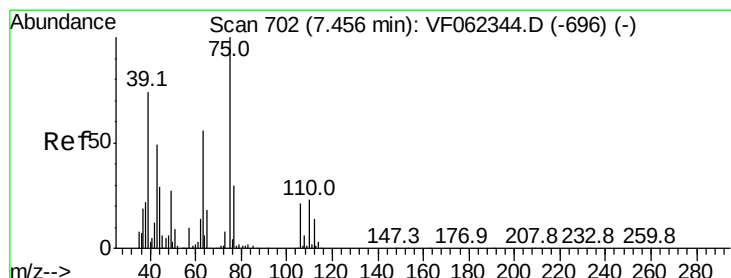
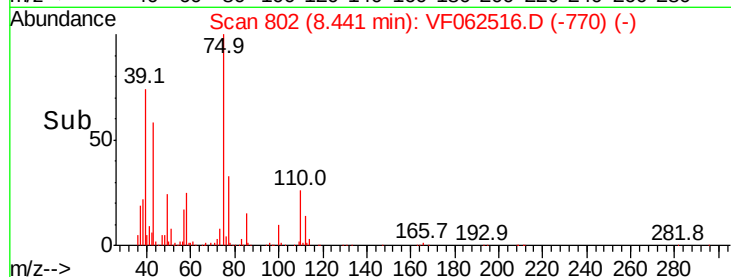
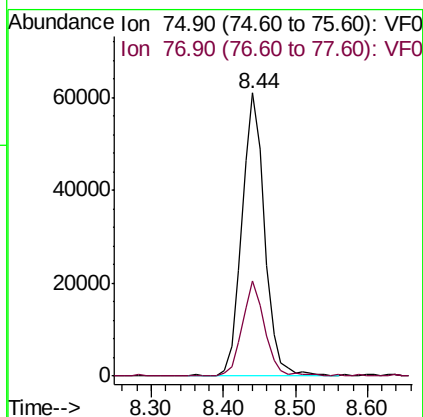
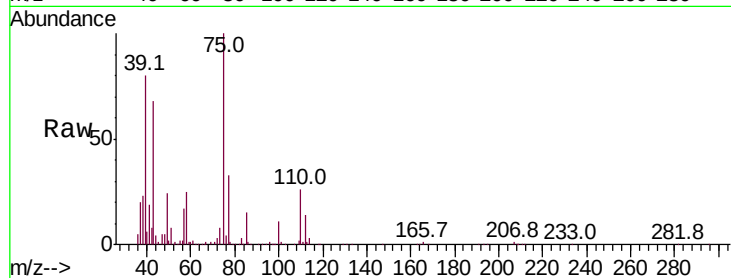
77 33.2 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.934 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

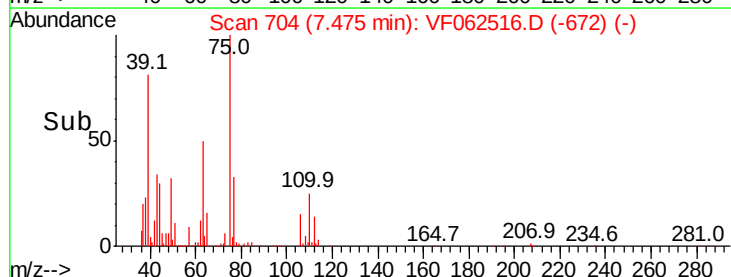
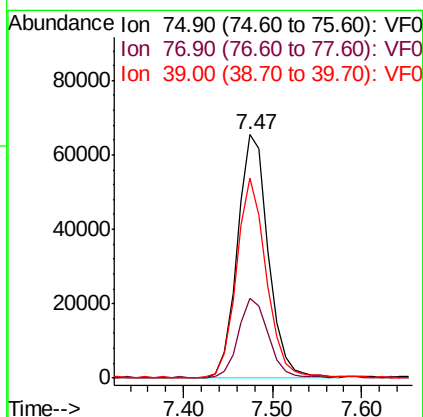
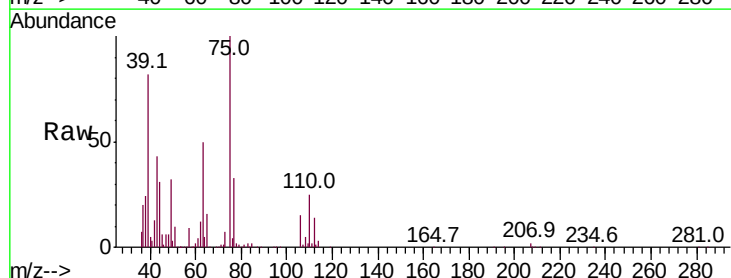
Tgt Ion: 75 Resp: 157462

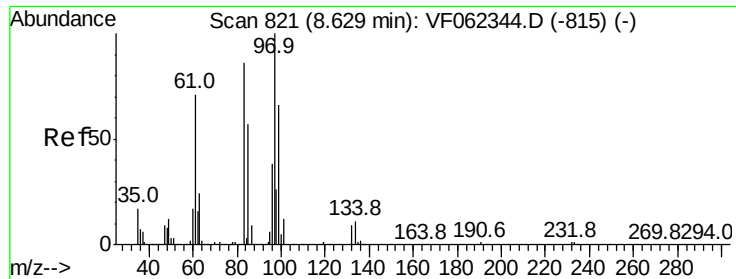
Ion Ratio Lower Upper

75 100

77 32.3 24.0 36.0

39 82.2 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 54.743 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

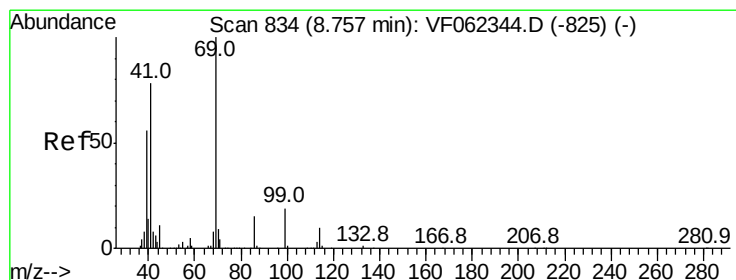
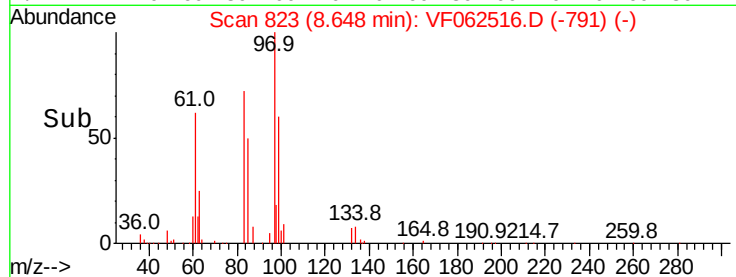
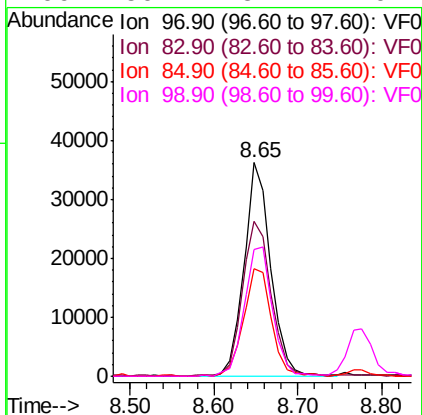
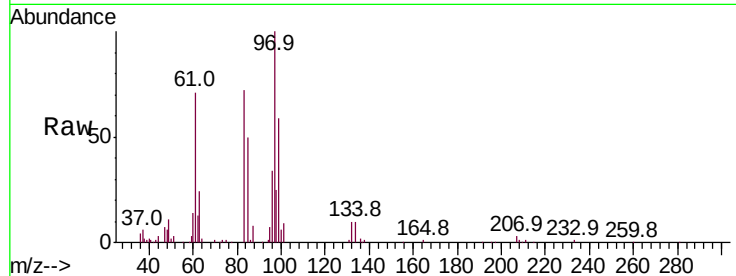
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	80192
Ion	Ratio	Lower	Upper
97	100		
83	72.3	68.5	102.7
85	50.3	45.4	68.2
99	59.1	52.7	79.1

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#56

Ethyl methacrylate

Concen: 46.993 ug/l

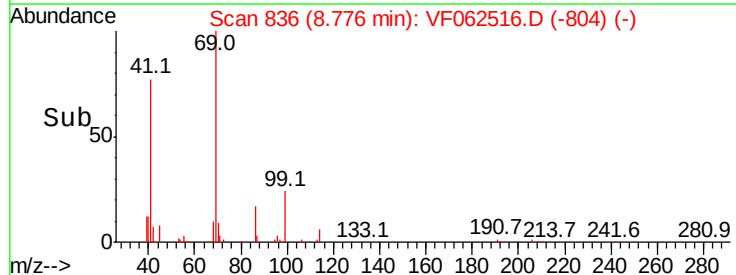
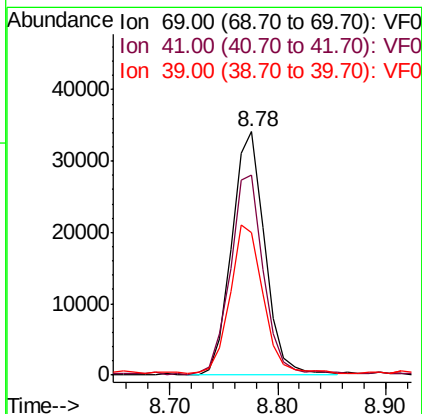
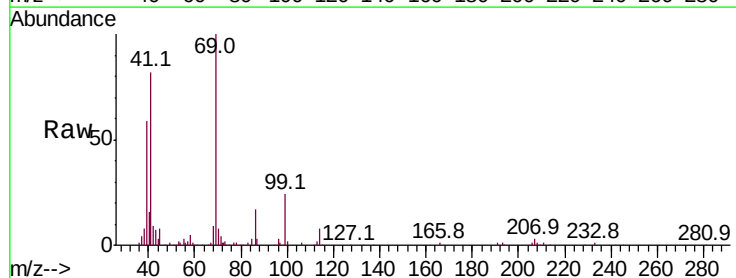
RT: 8.78 min Scan# 836

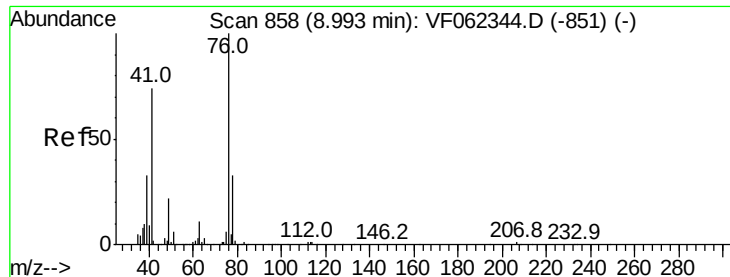
Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	69	Resp:	72666
Ion	Ratio	Lower	Upper
69	100		
41	84.2	66.3	99.5
39	61.6	50.1	75.1





#57

1,3-Dichloropropane

Concen: 52.650 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 116500

Ion Ratio Lower Upper

76 100

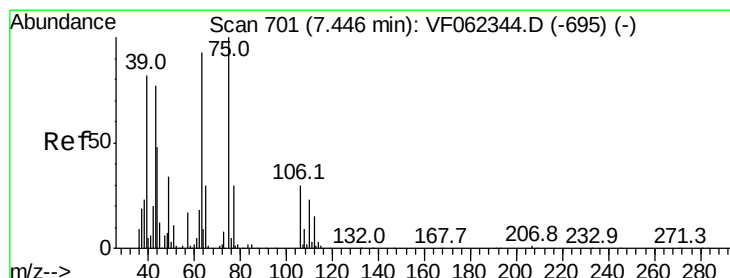
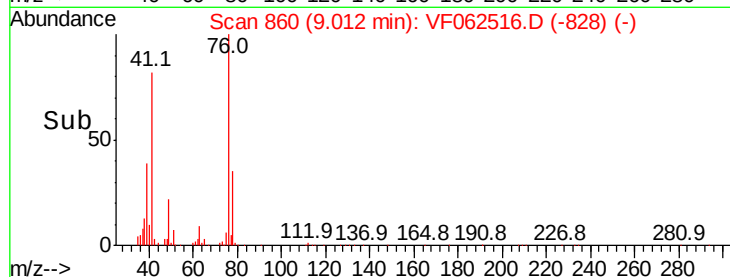
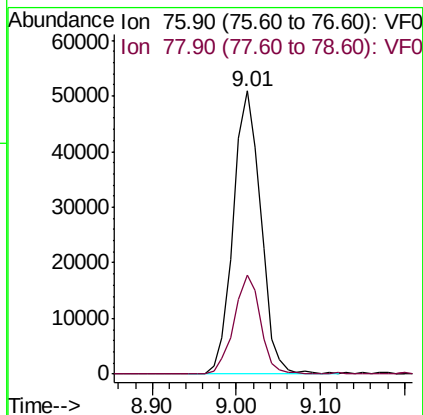
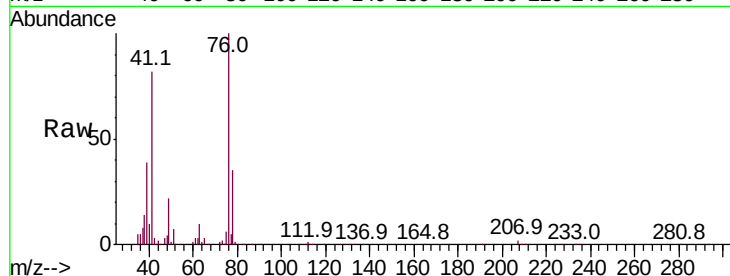
78 33.7 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 184.904 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.02 min

Lab File: VF062516.D

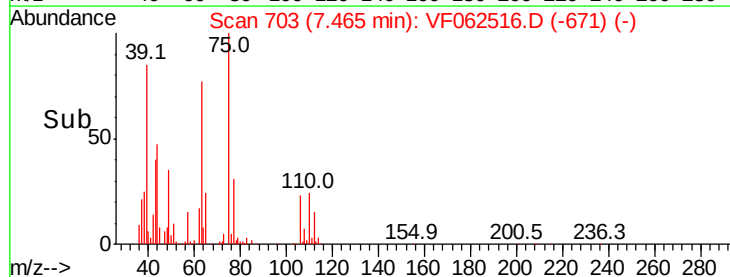
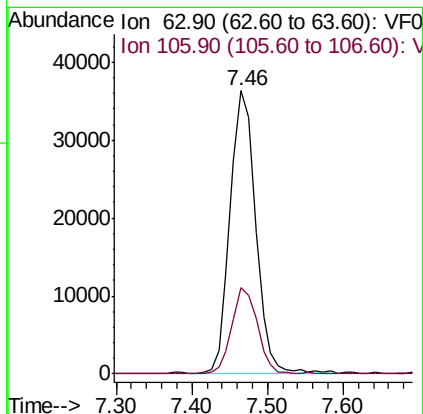
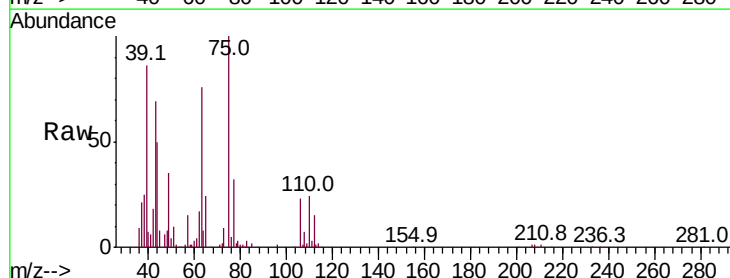
Acq: 12 May 2019 22:16

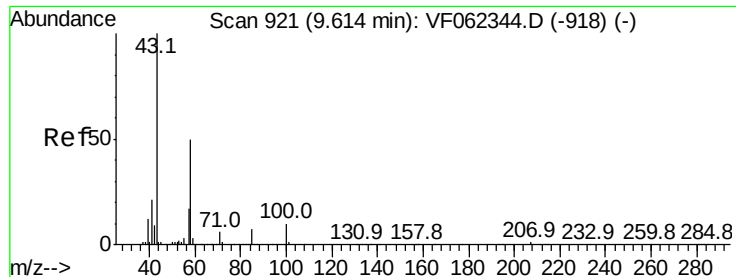
Tgt Ion: 63 Resp: 85961

Ion Ratio Lower Upper

63 100

106 30.3 25.8 38.8





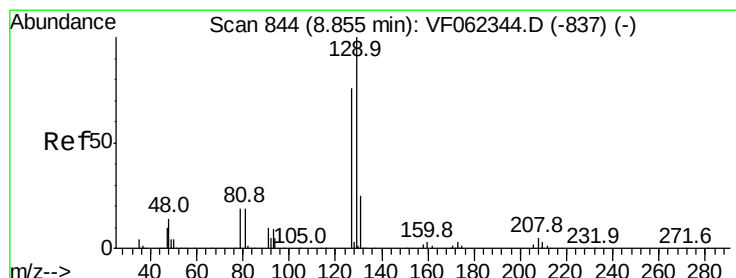
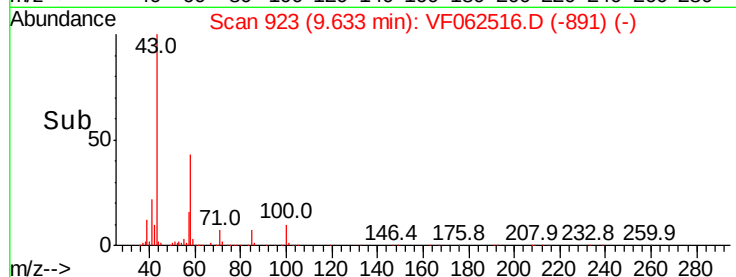
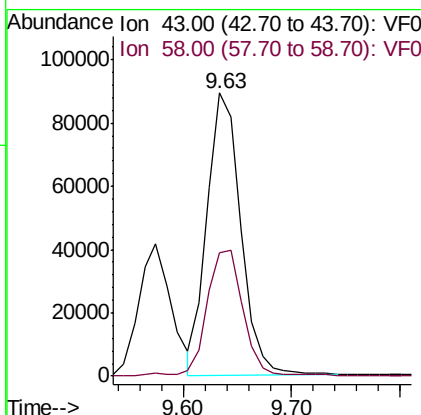
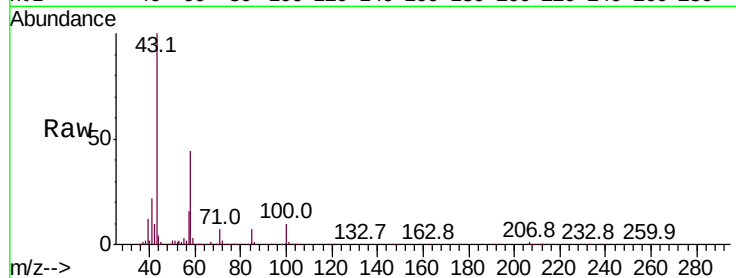
#59
2-Hexanone
Concen: 239.357 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.2	24.3	73.0

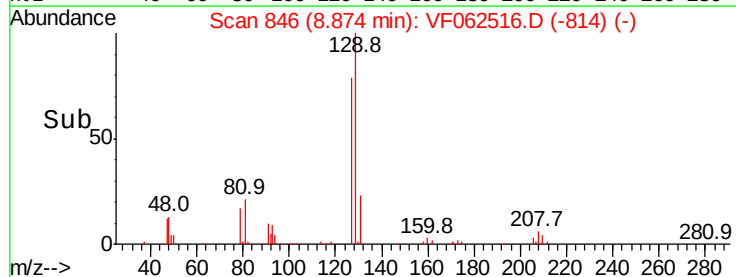
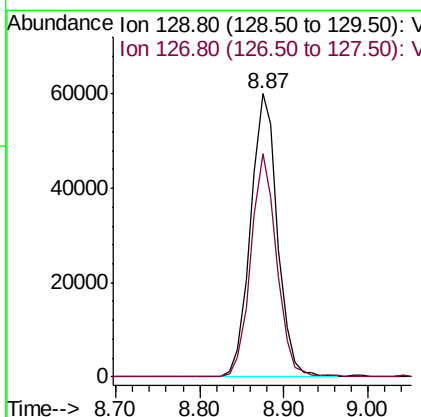
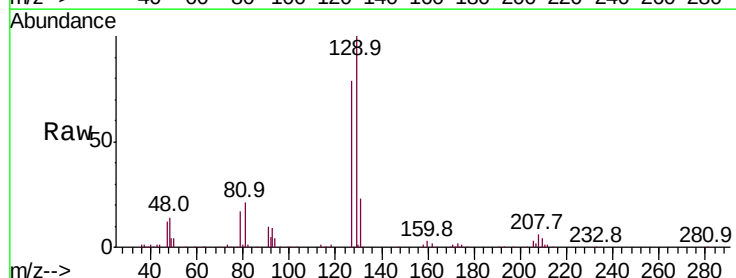
Manual Integrations
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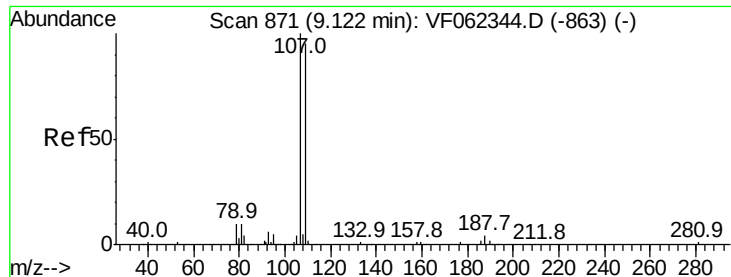
MMDadoda
5/13/2019 12:24:03 PM



#60
Dibromochloromethane
Concen: 56.200 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.3





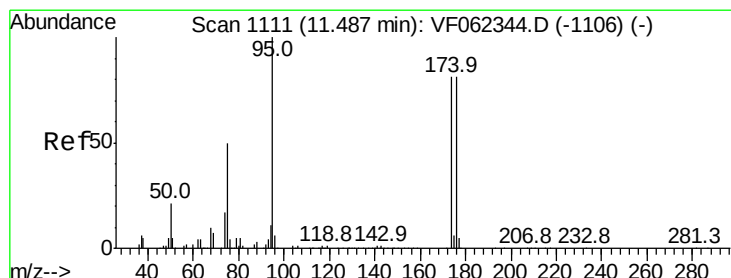
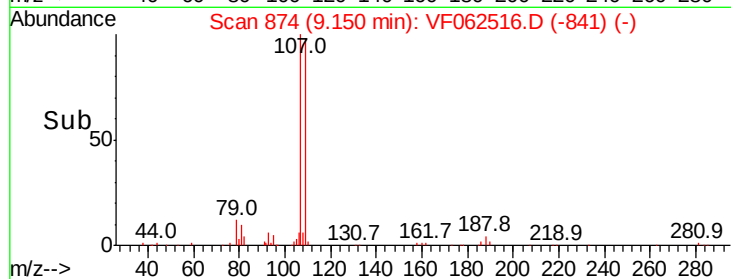
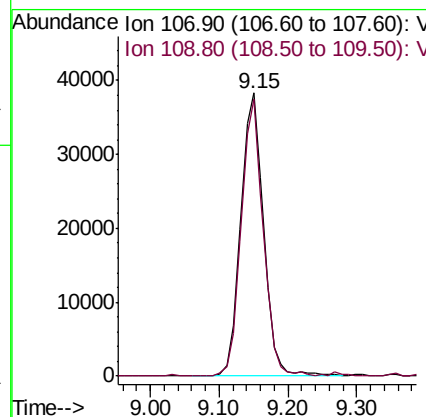
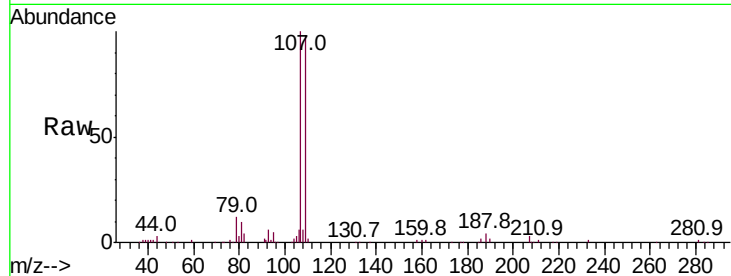
#61
 1,2-Dibromoethane
 Concen: 51.027 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.03 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

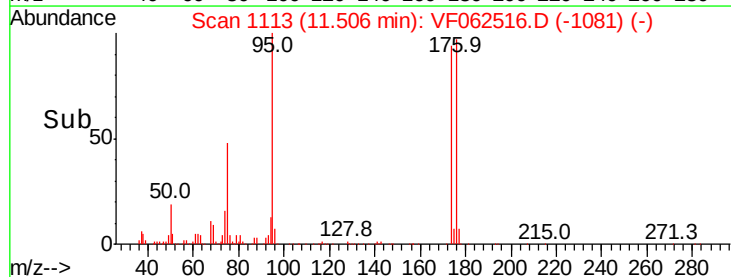
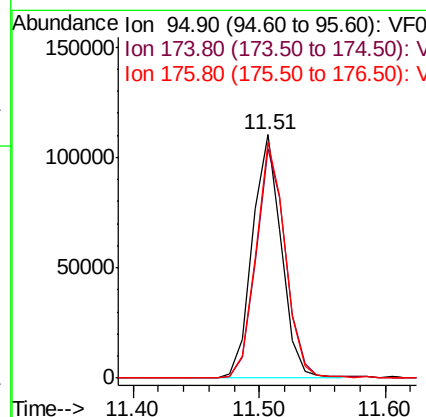
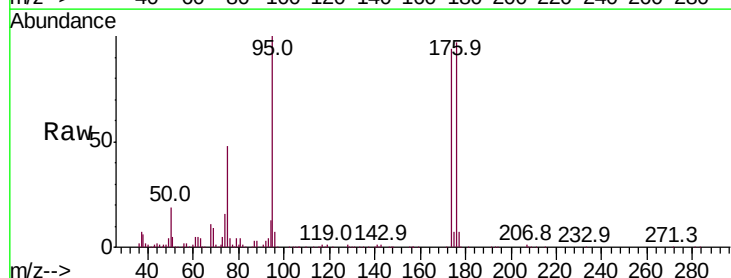
Manual Integrations
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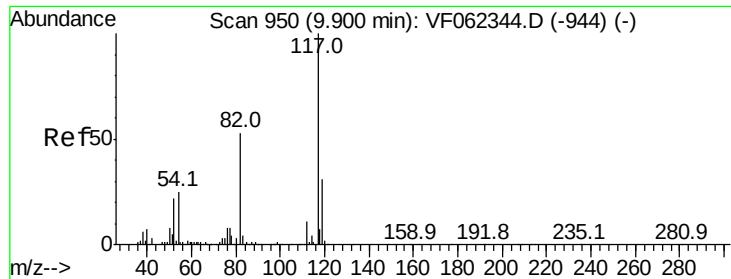
MMDadoda
 5/13/2019 12:24:03 PM



#62
 4-Bromofluorobenzene
 Concen: 50.957 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.9	0.0	191.8
176	99.2	0.0	193.2





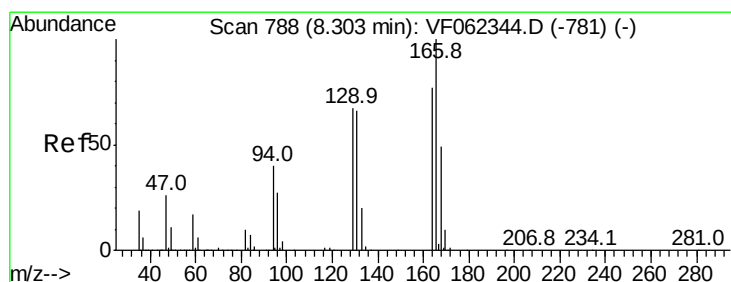
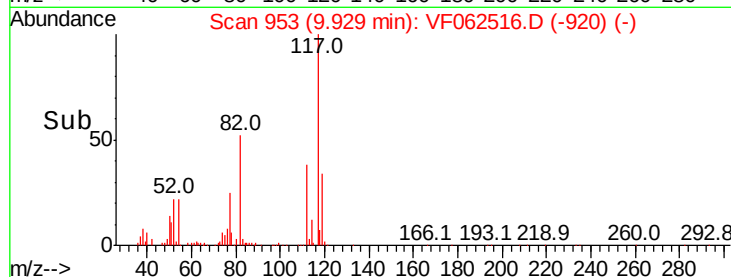
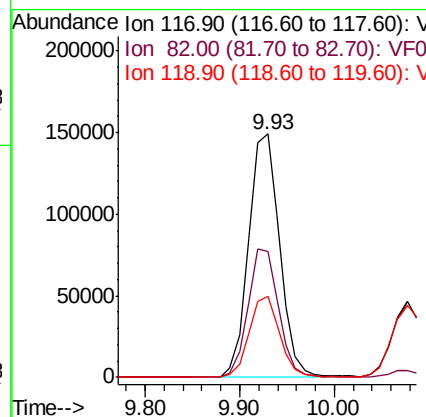
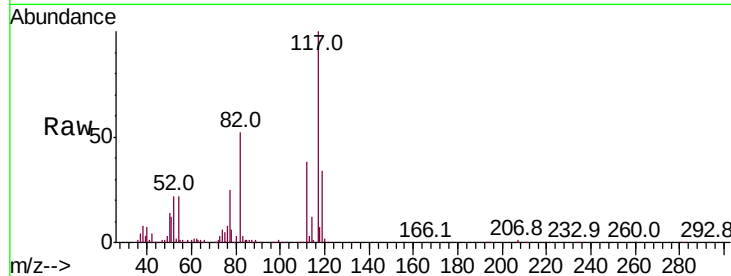
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	339755		
82	52.0		42.2	63.2
119	33.5		25.0	37.4

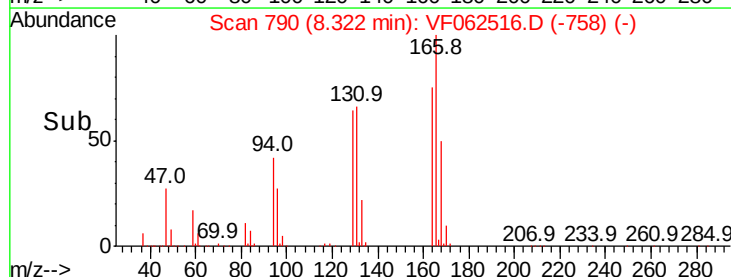
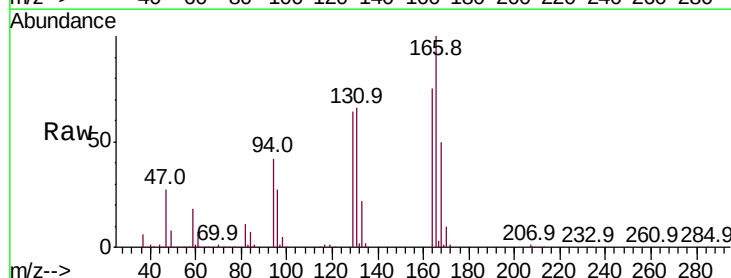
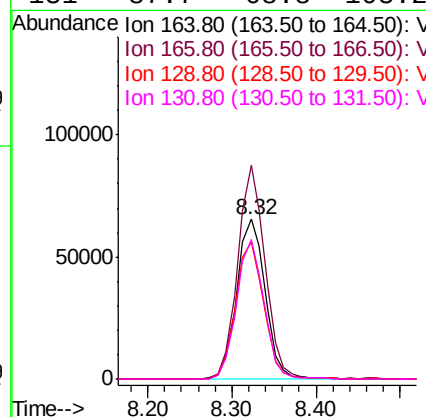
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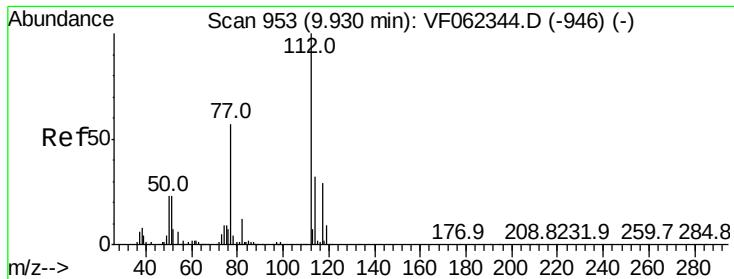
MMDadoda
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#64
Tetrachloroethene
Concen: 55.941 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154297		
166	133.7		104.2	156.4
129	85.7		69.6	104.4
131	87.7		68.8	103.2





#65

Chlorobenzene

Concen: 55.323 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 310996

Ion Ratio Lower Upper

112 100

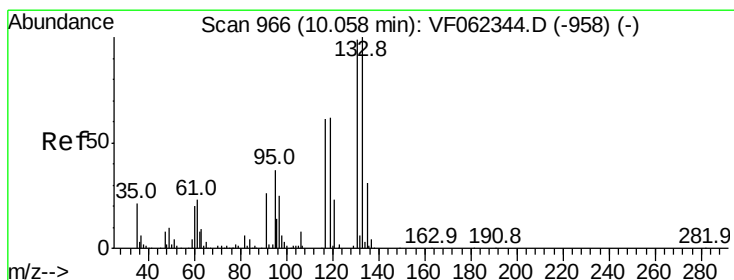
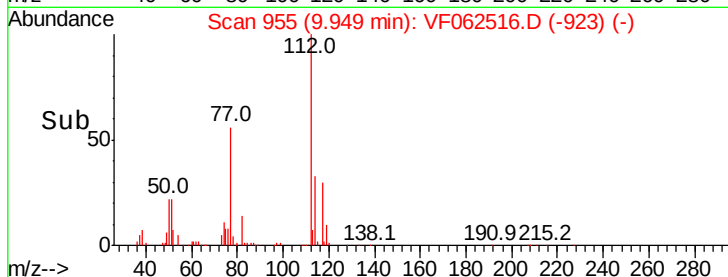
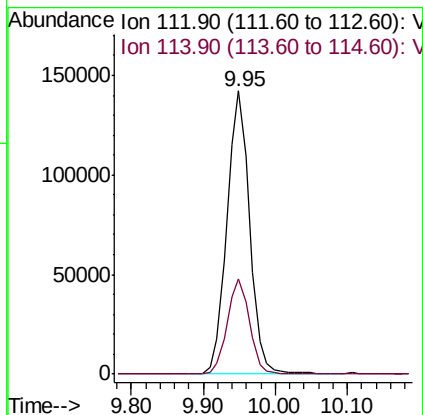
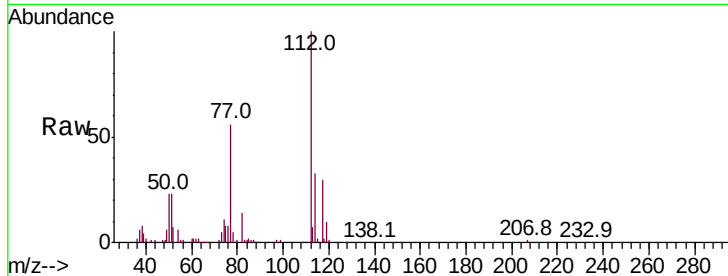
114 33.5 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 55.619 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

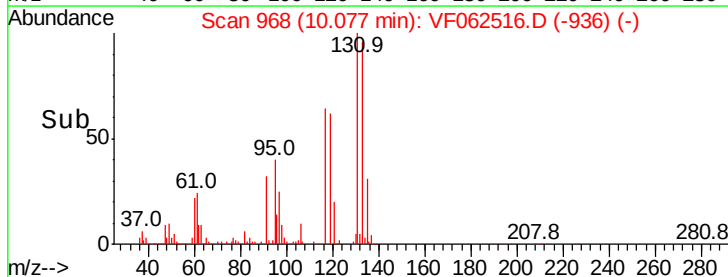
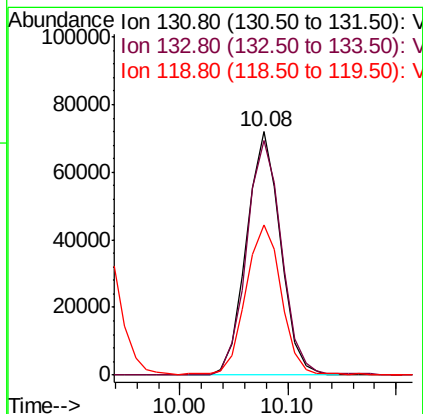
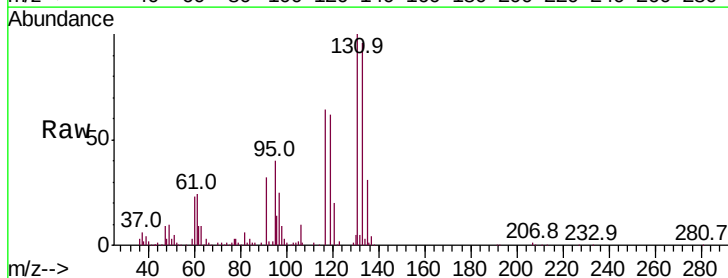
Tgt Ion:131 Resp: 157727

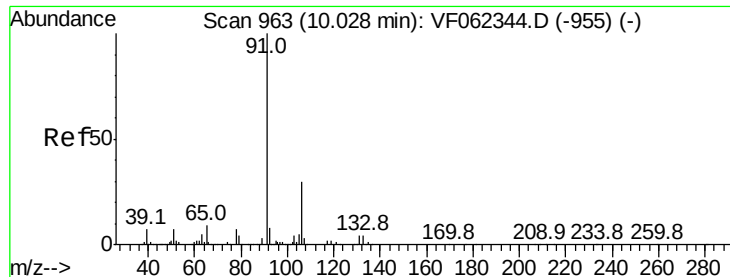
Ion Ratio Lower Upper

131 100

133 99.7 50.2 150.7

119 64.2 31.6 95.0





#67

Ethyl Benzene

Concen: 53.793 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 529524

Ion Ratio Lower Upper

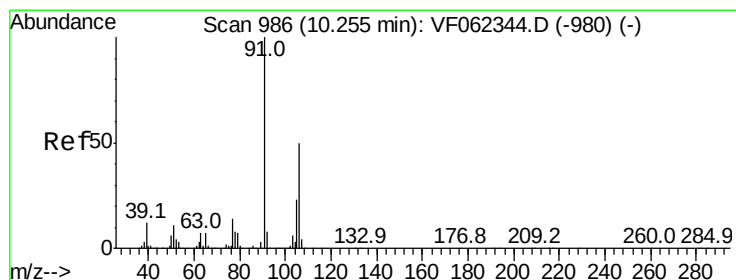
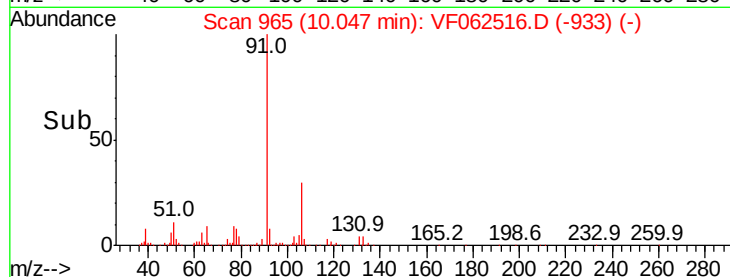
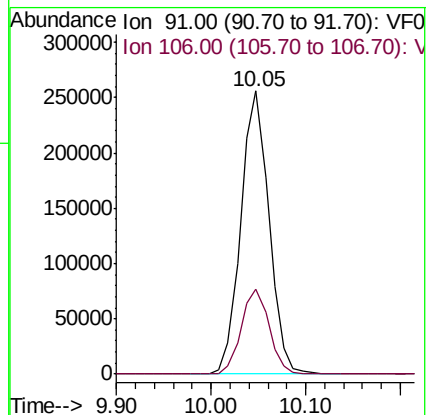
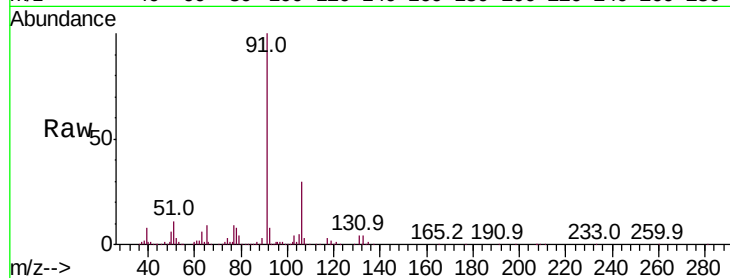
91 100

106 30.2 24.1 36.1

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#68

m/p-Xylenes

Concen: 110.812 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.02 min

Lab File: VF062516.D

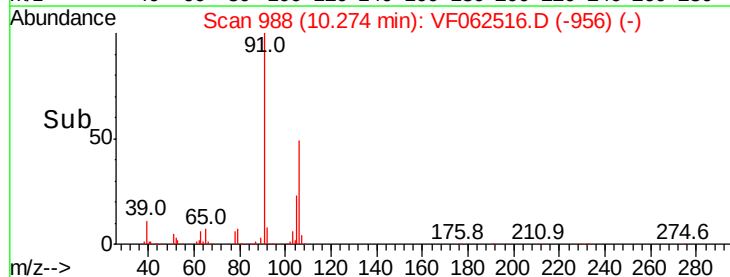
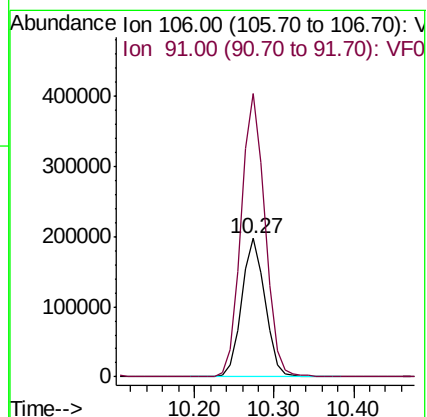
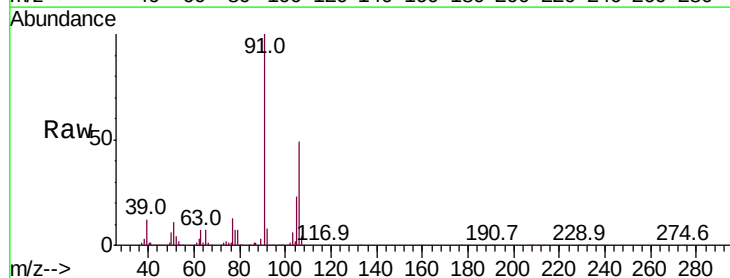
Acq: 12 May 2019 22:16

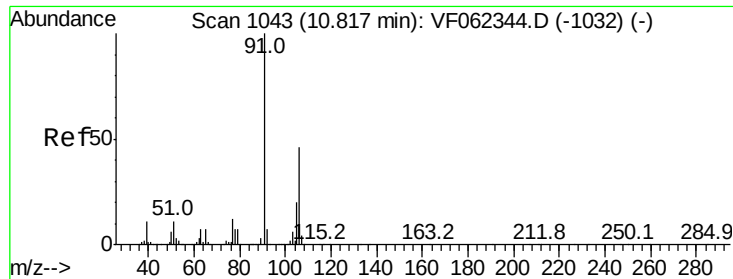
Tgt Ion: 106 Resp: 402462

Ion Ratio Lower Upper

106 100

91 208.1 167.4 251.2





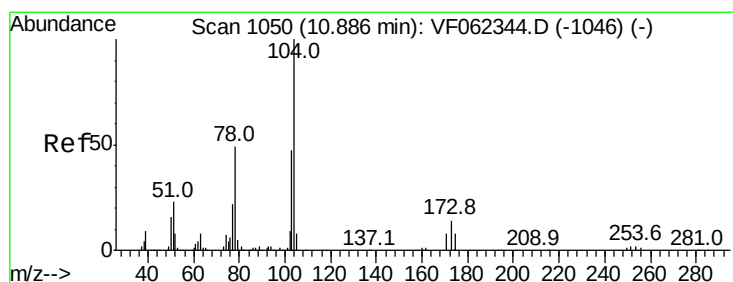
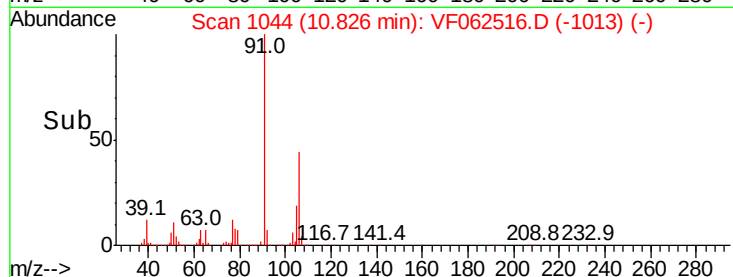
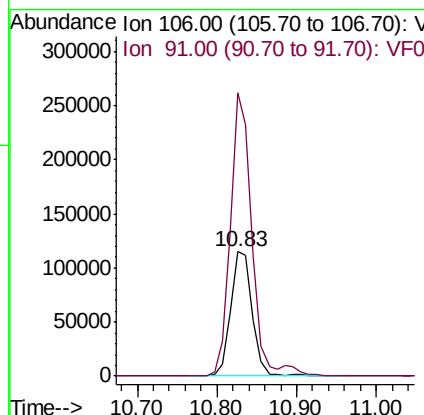
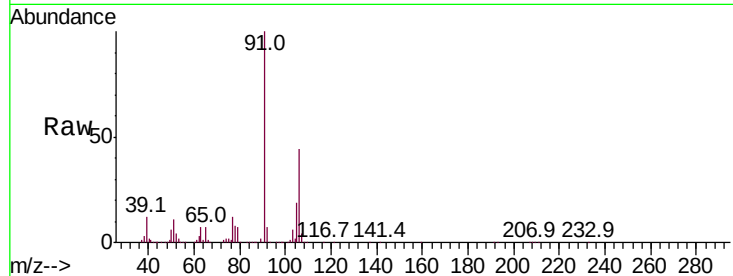
#69
o-Xylene
Concen: 56.014 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.2	111.3	333.8

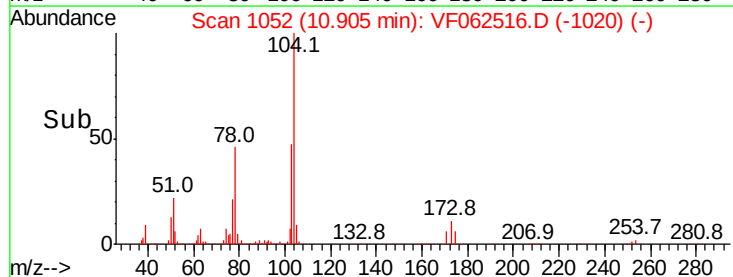
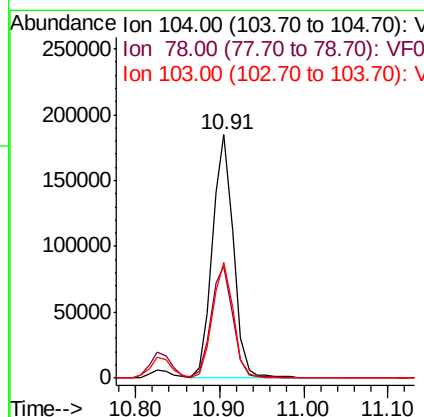
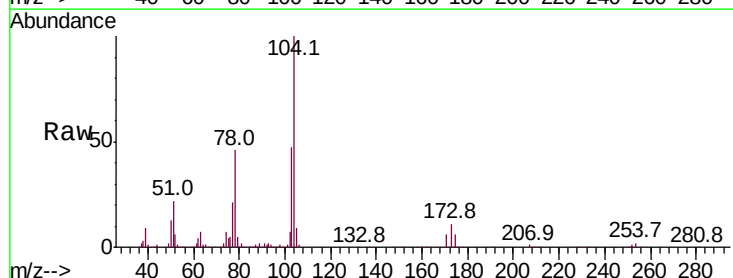
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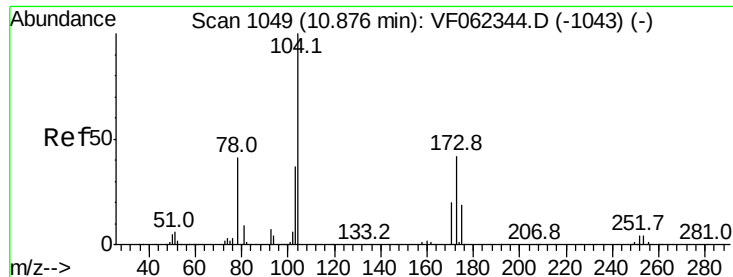
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#70
Styrene
Concen: 54.188 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.5	59.3
103	47.9	38.4	57.6





#71

Bromoform

Concen: 50.636 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 78670

Ion Ratio Lower Upper

173 100

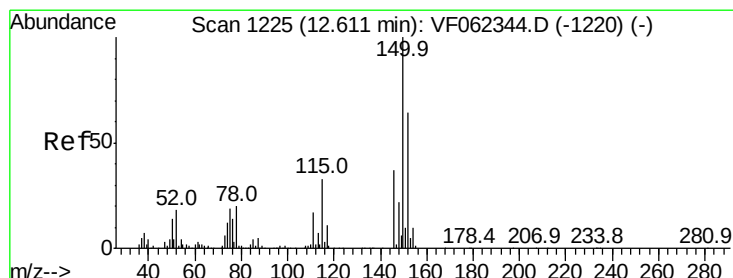
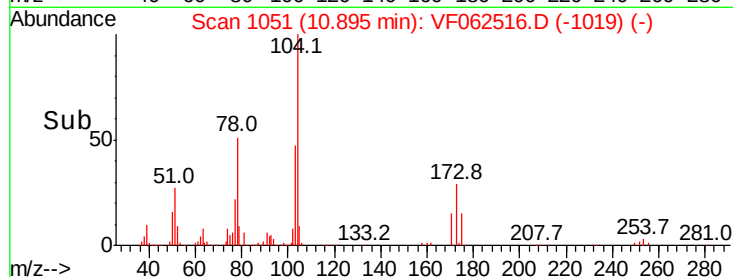
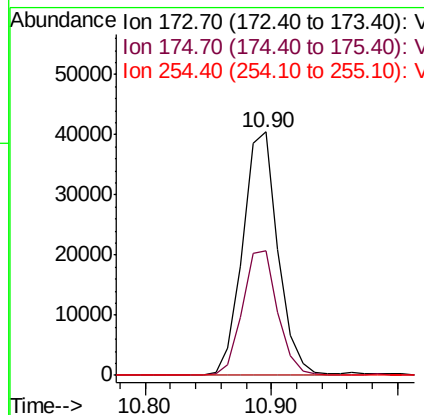
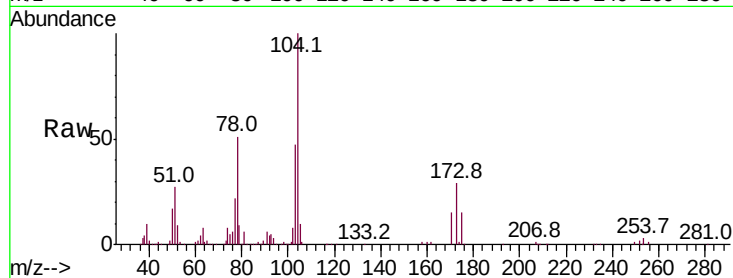
175 50.6 23.8 71.2

254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

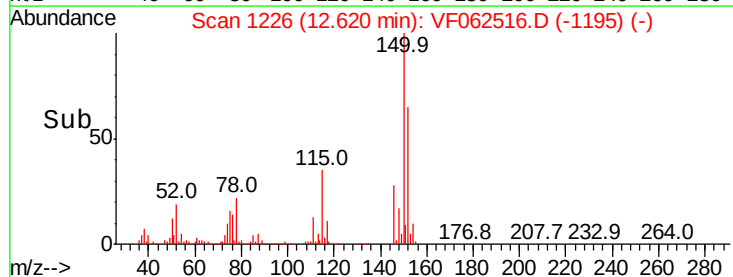
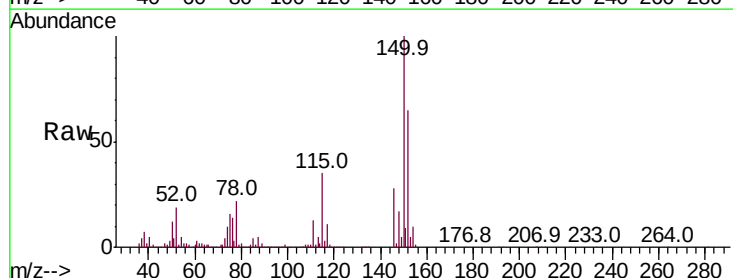
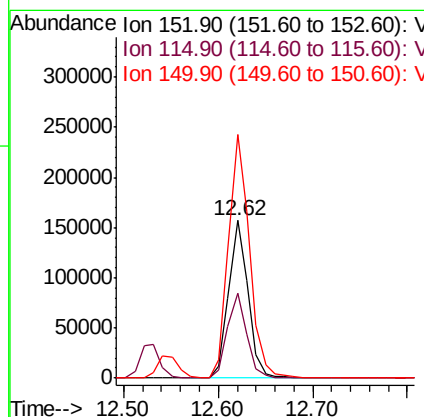
Tgt Ion:152 Resp: 224480

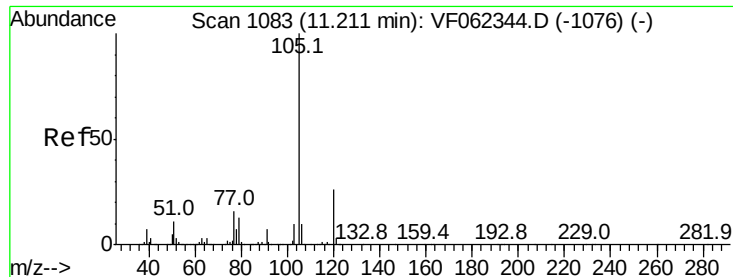
Ion Ratio Lower Upper

152 100

115 53.3 26.4 79.2

150 166.2 0.0 335.0





#73

Isopropylbenzene

Concen: 53.382 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 710404

Ion Ratio Lower Upper

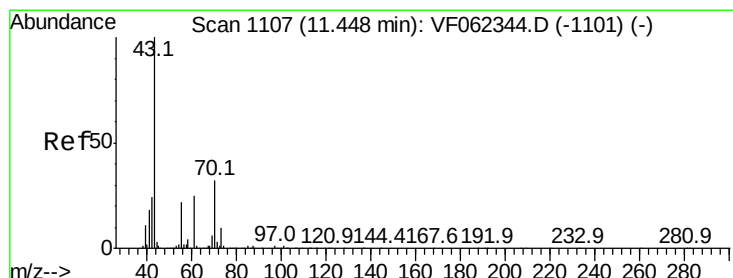
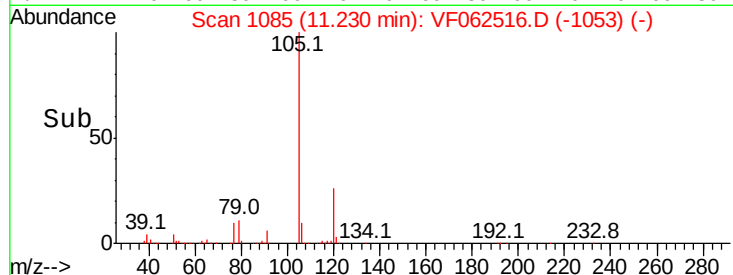
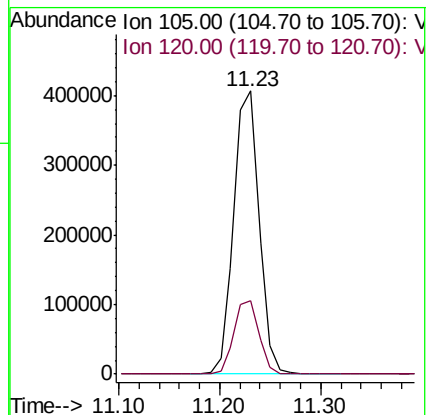
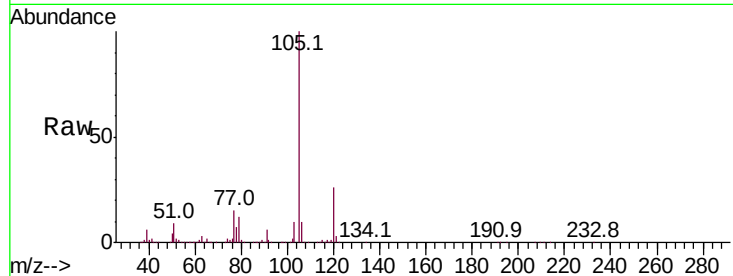
105 100

120 25.8 12.7 38.0

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#74

N-ethyl acetate

Concen: 45.363 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion: 43 Resp: 129605

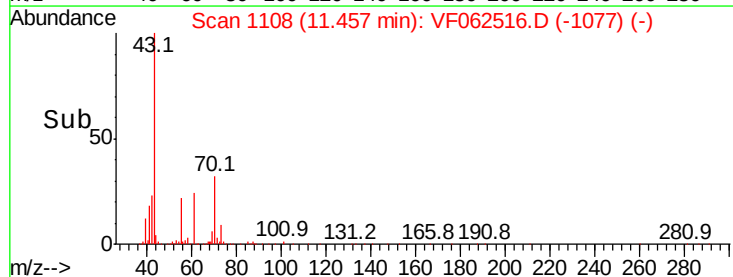
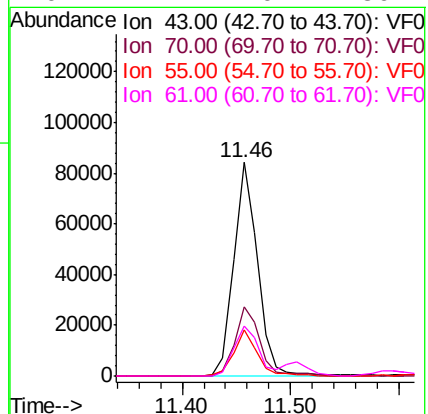
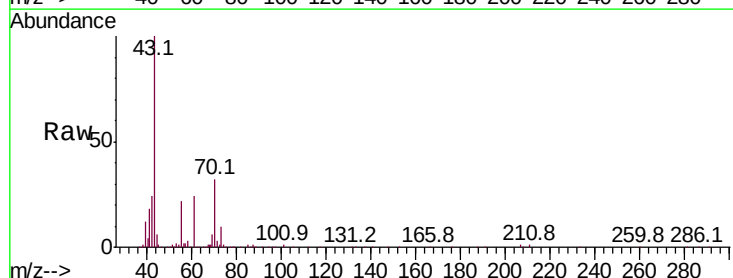
Ion Ratio Lower Upper

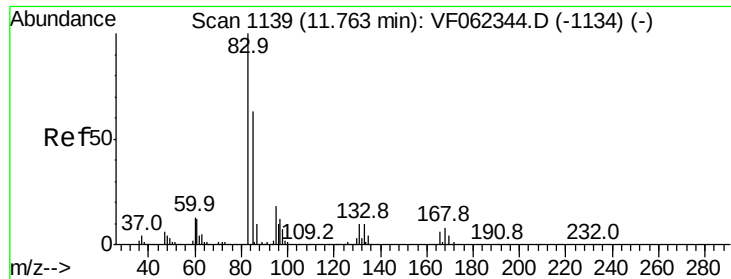
43 100

70 34.0 26.5 39.7

55 21.7 17.8 26.6

61 24.2 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.529 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

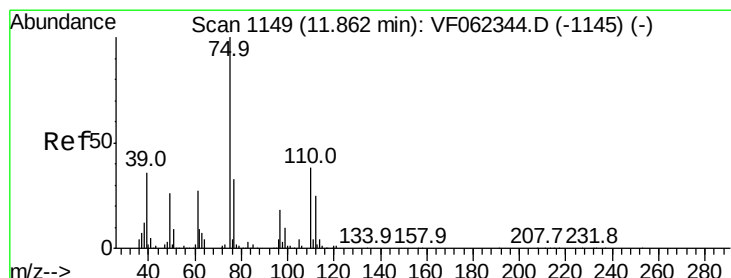
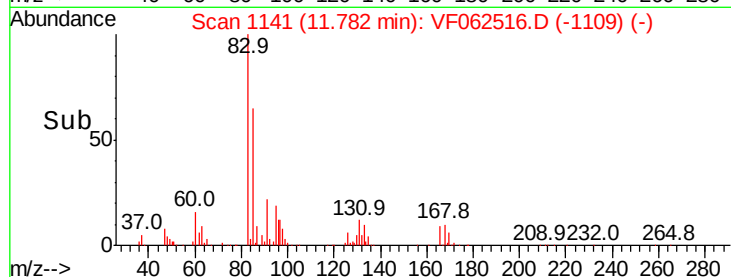
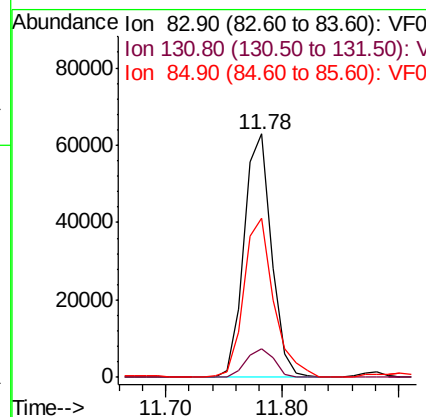
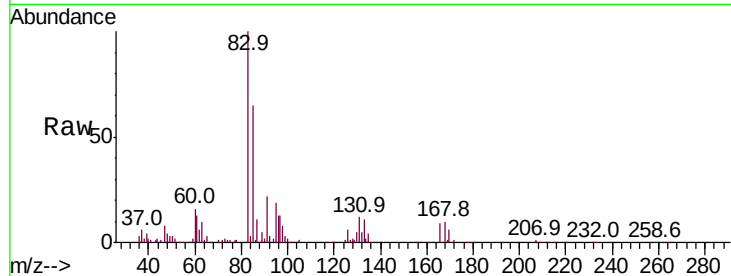
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	103204
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.8	17.4
85	71.3	35.3	105.7

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#76

1,2,3-Trichloropropane

Concen: 50.129 ug/l

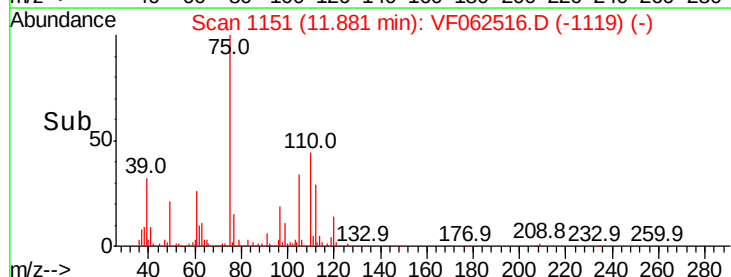
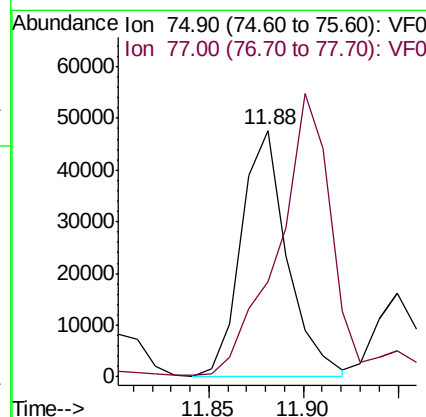
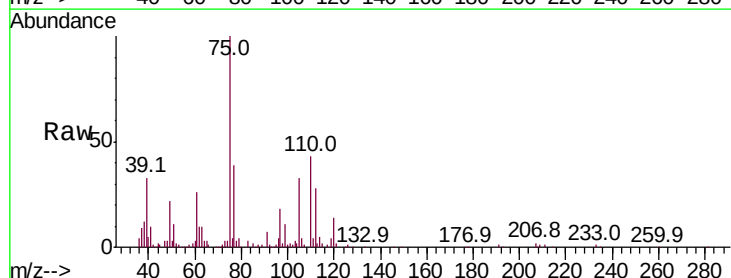
RT: 11.88 min Scan# 1151

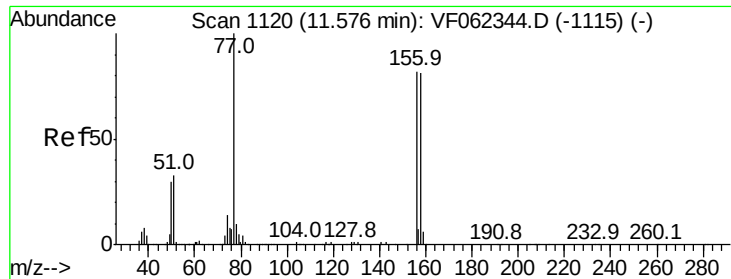
Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	75	Resp:	79692
Ion Ratio	Lower	Upper	
75	100		
77	142.0	0.0	0.0#





#77

Bromobenzene

Concen: 50.349 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

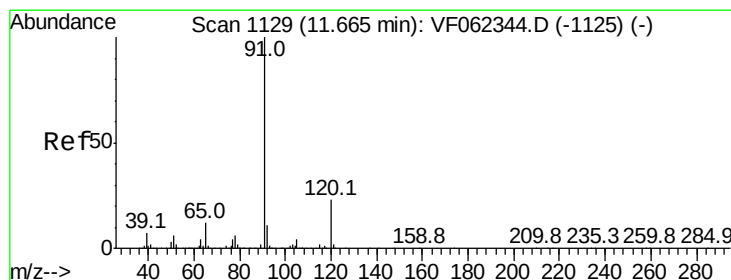
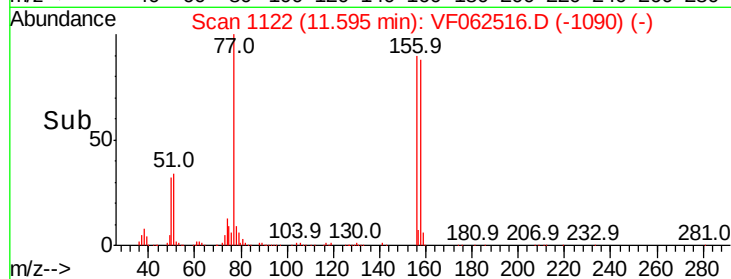
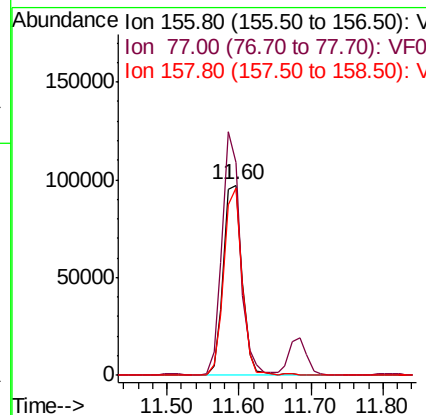
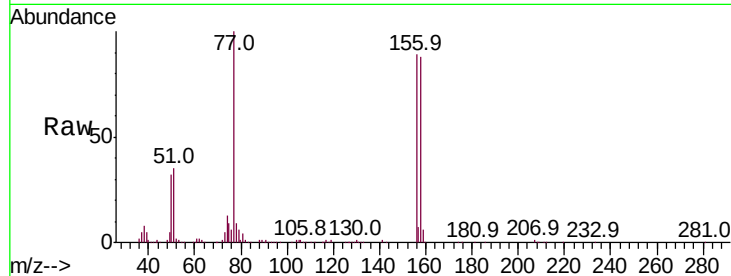
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	175851
Ion Ratio	Lower	Upper	
156	100		
77	122.4	64.8	194.3
158	95.2	49.1	147.3

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#78

n-propylbenzene

Concen: 50.150 ug/l

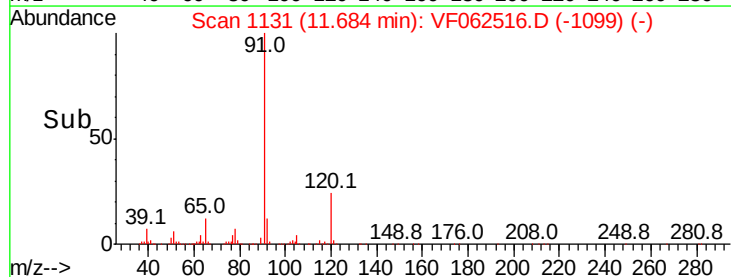
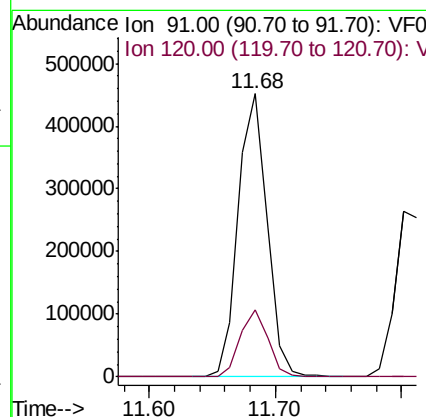
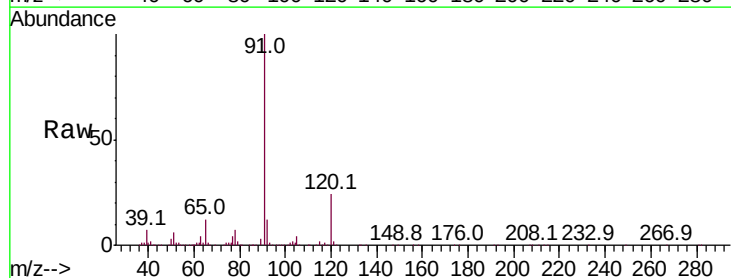
RT: 11.68 min Scan# 1131

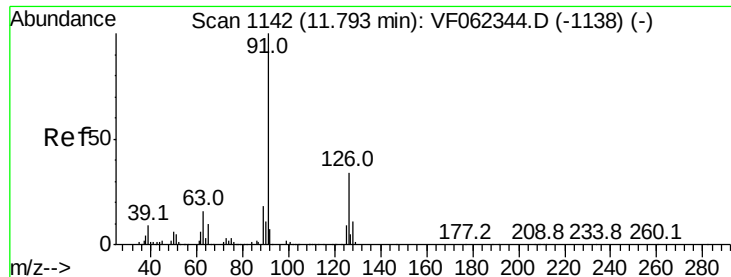
Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	91	Resp:	710549
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.454 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 444515

Ion Ratio Lower Upper

91 100

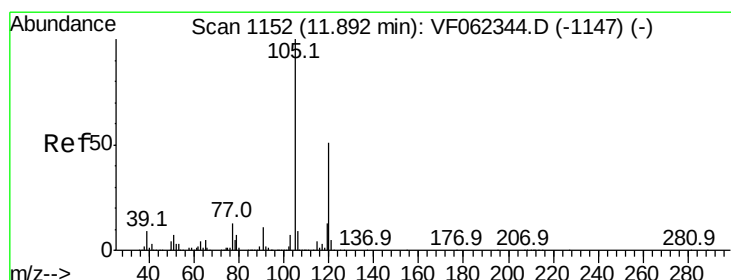
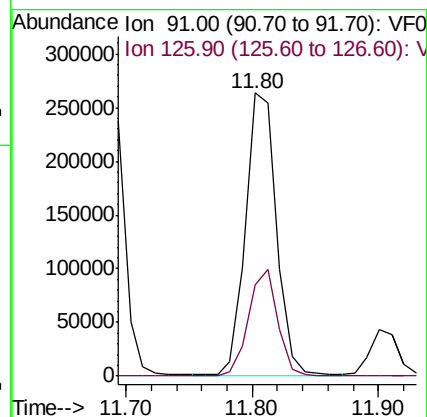
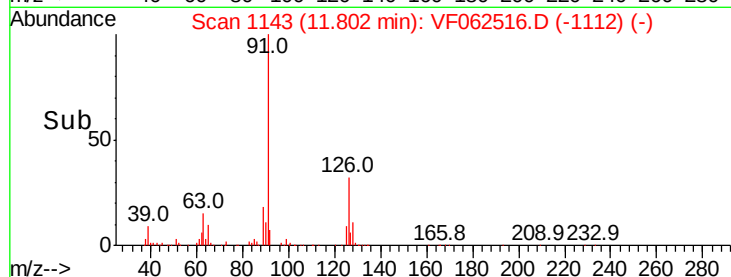
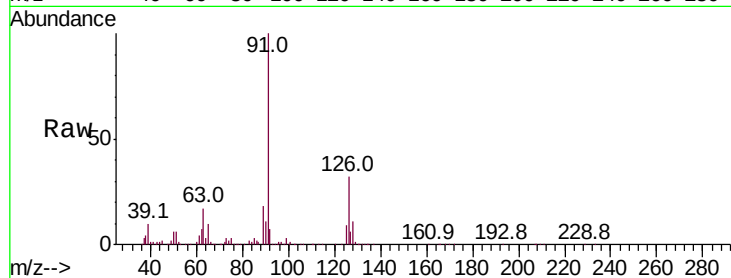
126 35.9 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 50.963 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062516.D

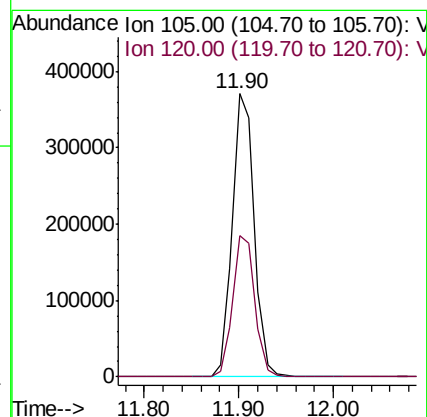
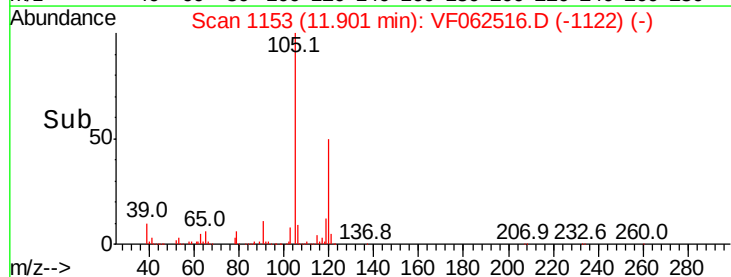
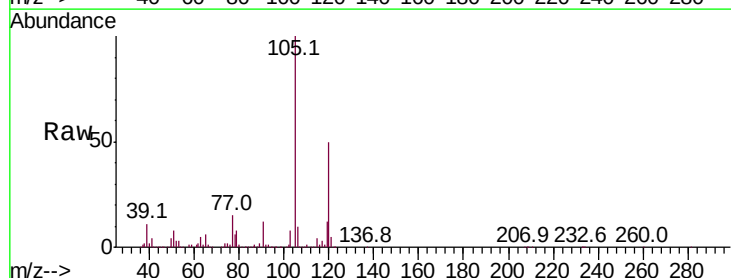
Acq: 12 May 2019 22:16

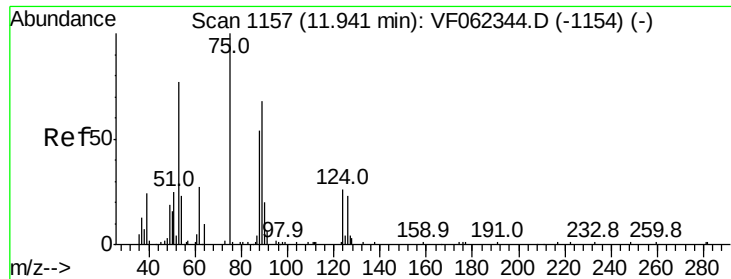
Tgt Ion: 105 Resp: 594456

Ion Ratio Lower Upper

105 100

120 50.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.357 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

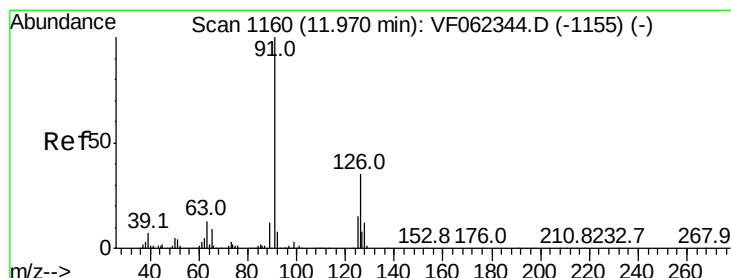
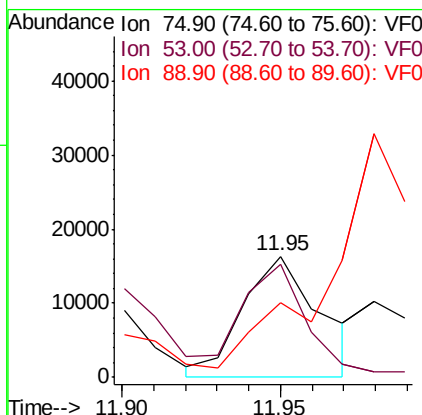
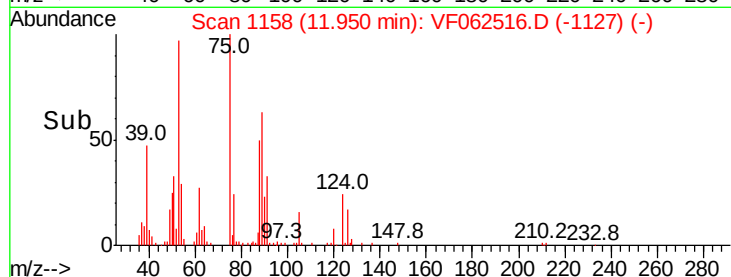
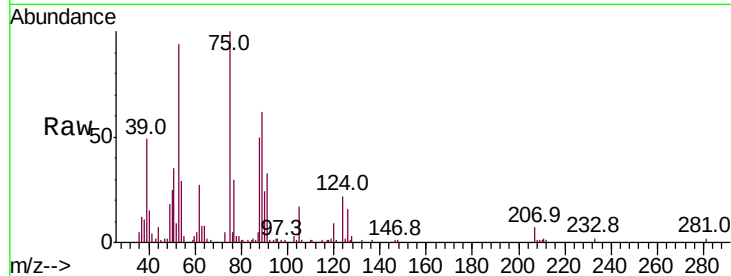
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	27701
Ion	Ratio	Lower	Upper
75	100		
53	85.3	71.9	107.9
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.310 ug/l

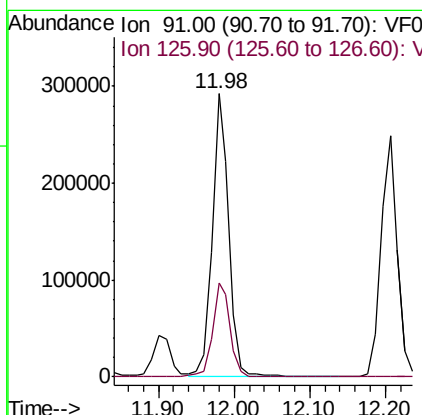
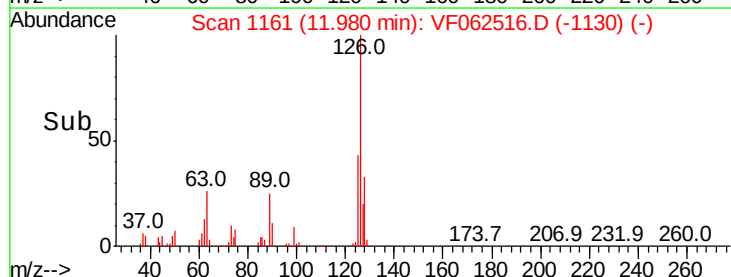
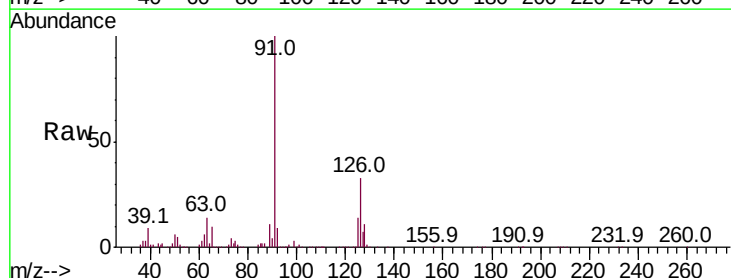
RT: 11.98 min Scan# 1161

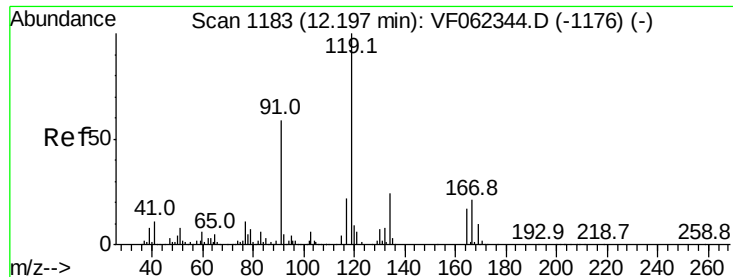
Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Tgt Ion:	91	Resp:	446481
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.7	53.1





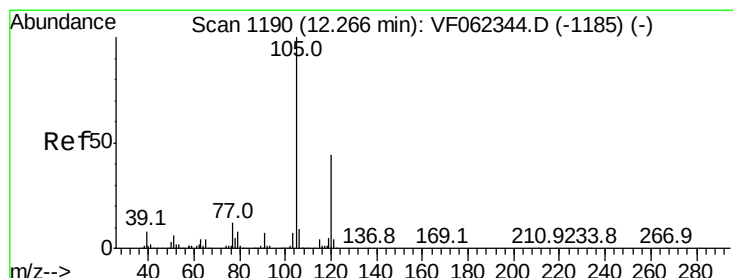
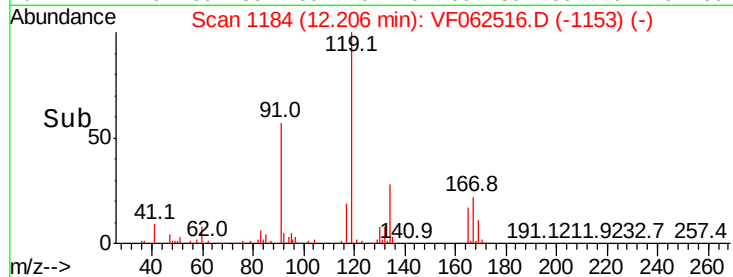
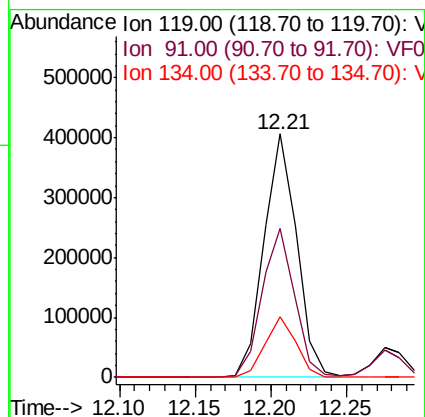
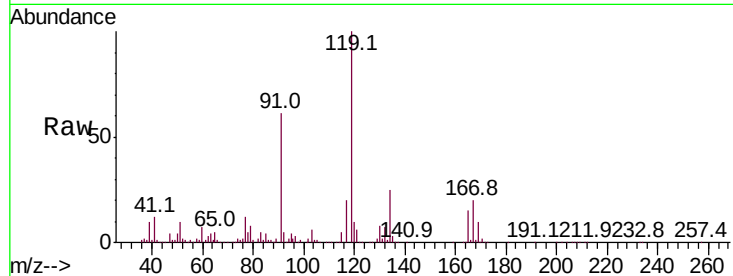
#83
 tert-Butylbenzene
 Concen: 50.533 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	119	Resp:	619470
Ion Ratio	Lower	Upper	
119	100		
91	60.8	30.4	91.3
134	24.0	11.9	35.7

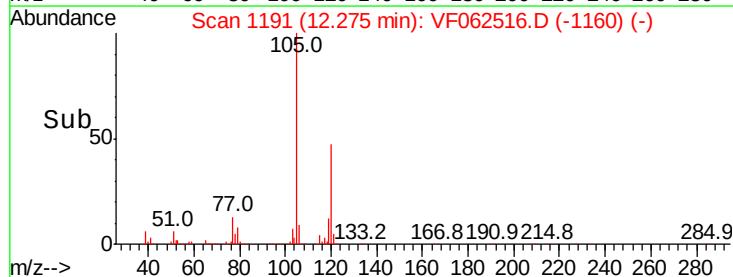
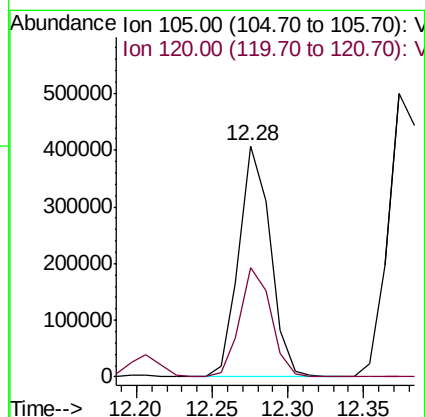
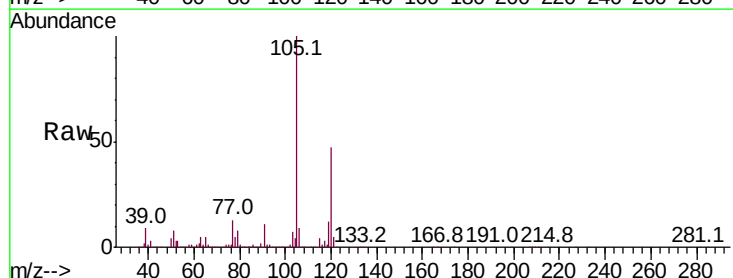
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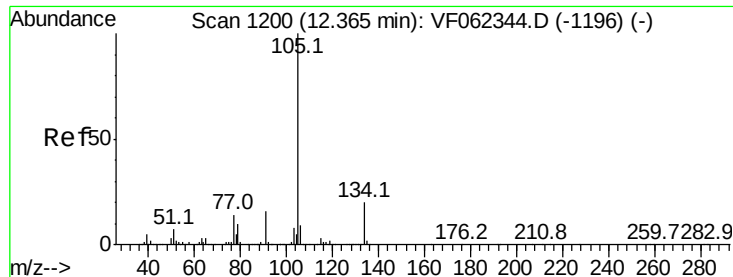
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.707 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Tgt Ion:	105	Resp:	590234
Ion Ratio	Lower	Upper	
105	100		
120	46.8	22.6	67.7





#85

sec-Butylbenzene

Concen: 53.059 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 791704

Ion Ratio Lower Upper

105 100

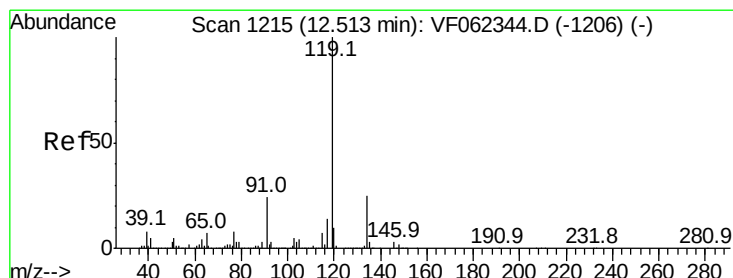
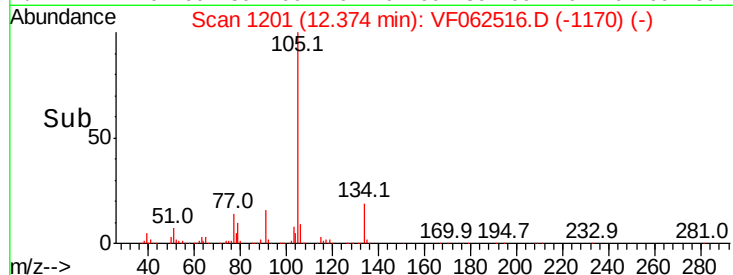
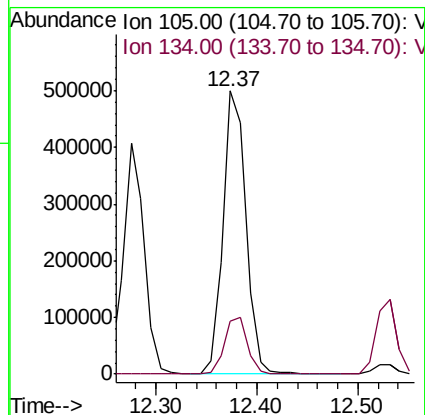
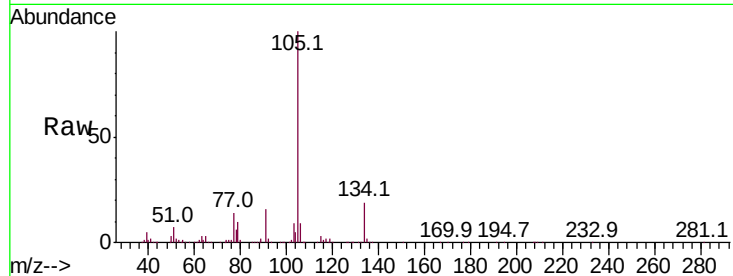
134 20.3 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 52.364 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VF062516.D

Acq: 12 May 2019 22:16

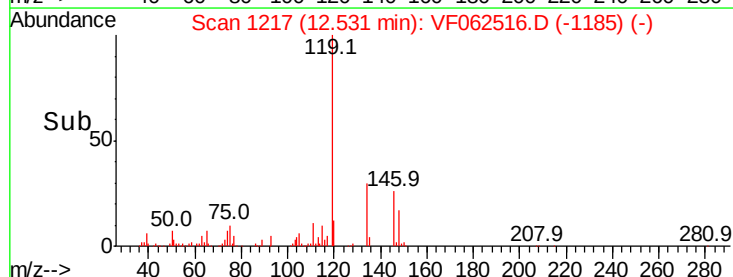
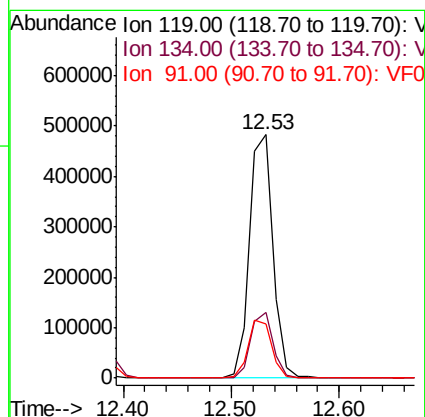
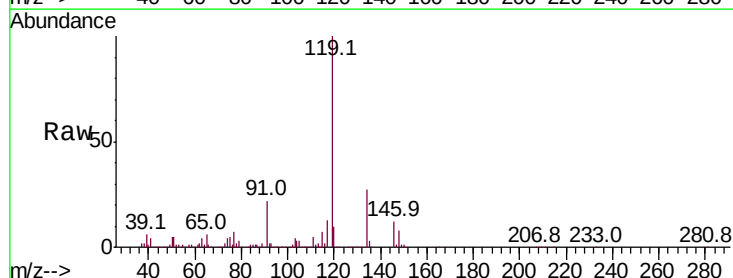
Tgt Ion:119 Resp: 725926

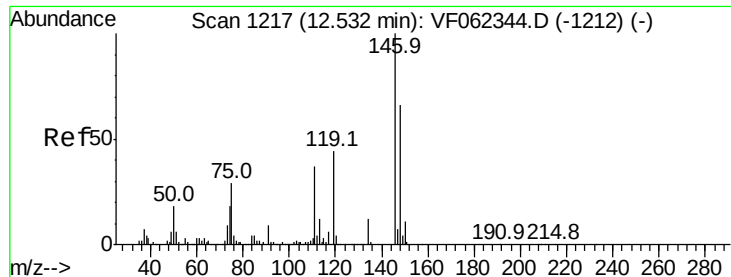
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.9 12.3 36.8





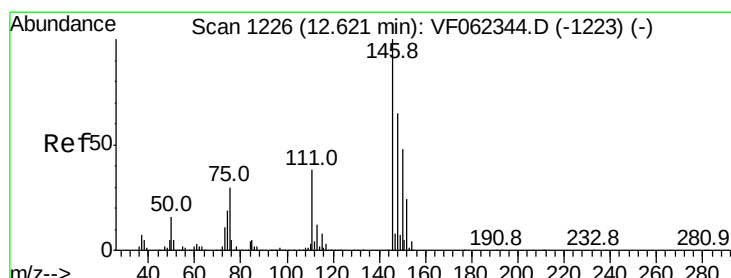
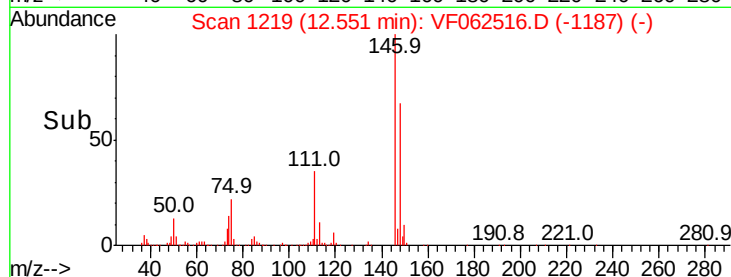
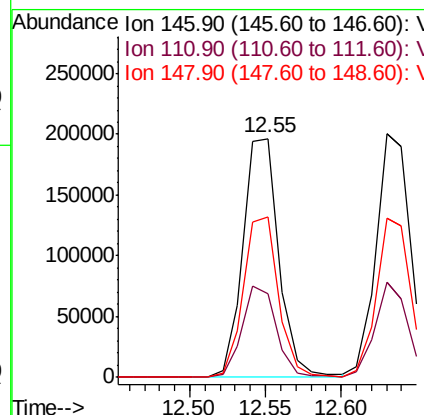
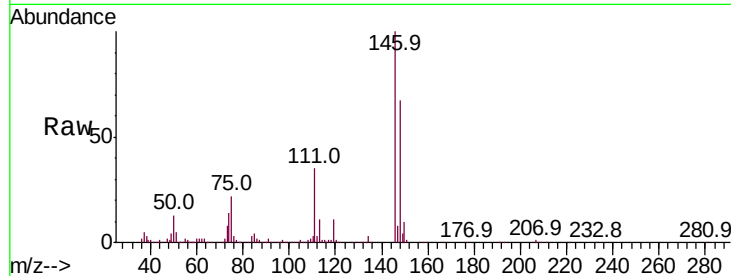
#87
 1,3-Dichlorobenzene
 Concen: 50.964 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.8
148	65.7	32.3	96.9

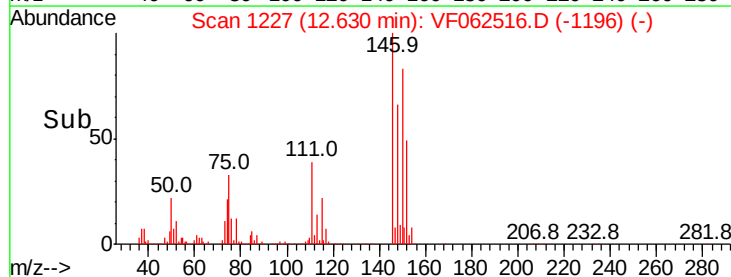
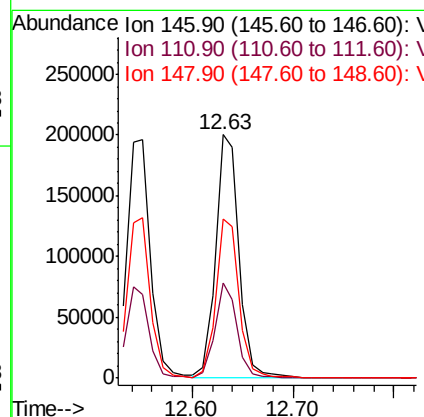
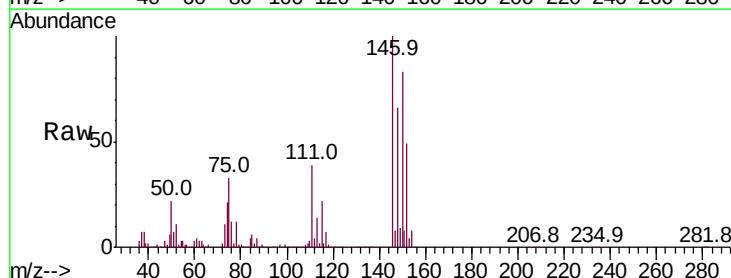
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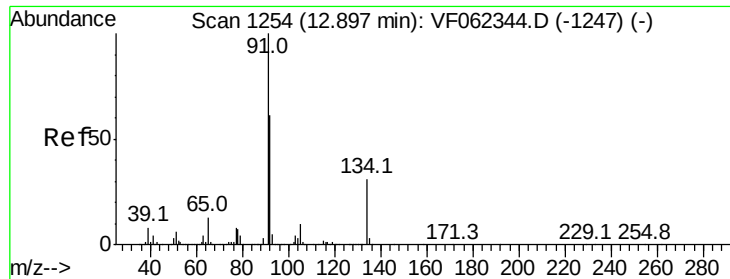
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#88
 1,4-Dichlorobenzene
 Concen: 52.781 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	64.7	32.2	96.6





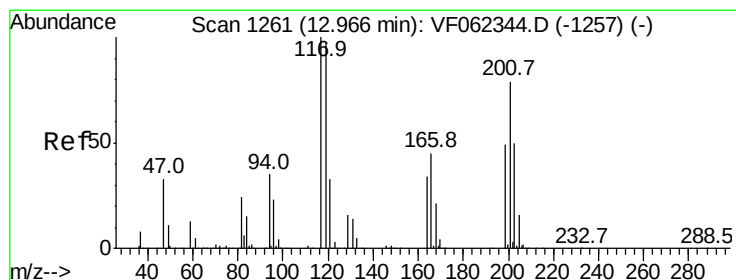
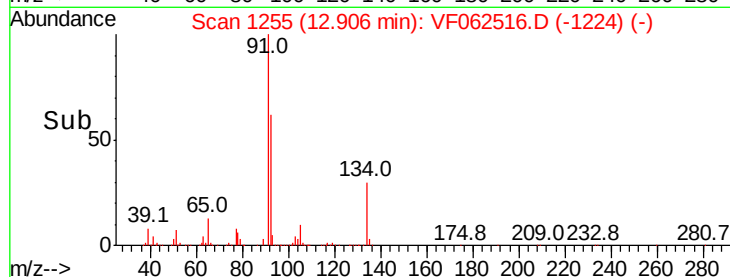
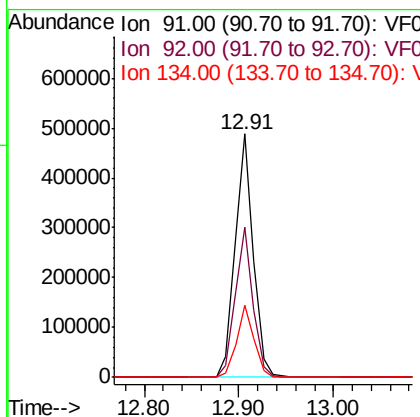
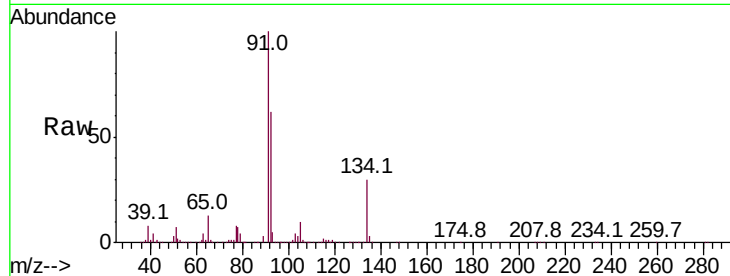
#89
n-Butylbenzene
Concen: 52.375 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	645980		
92	60.6		30.0	90.0
134	28.8		14.1	42.4

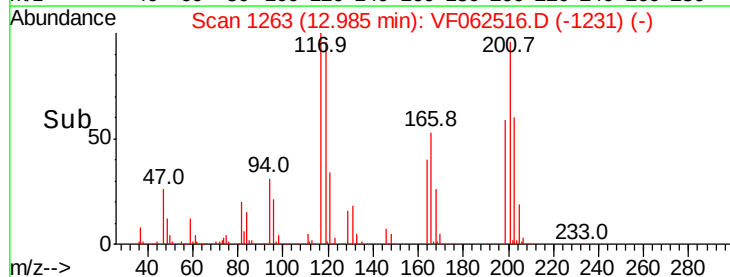
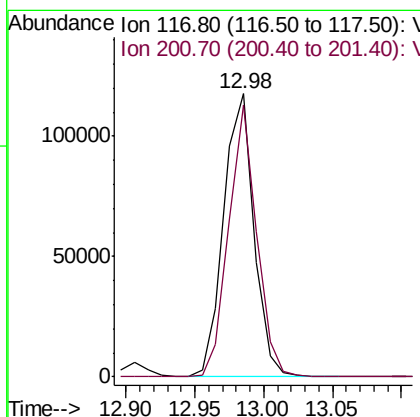
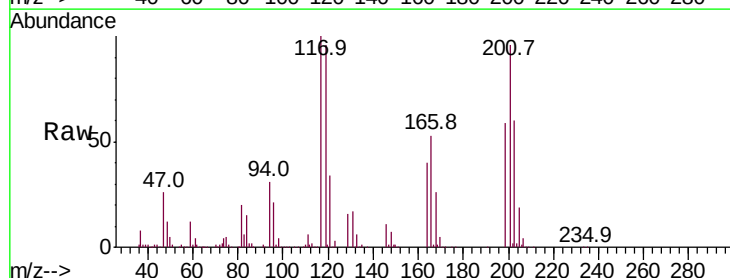
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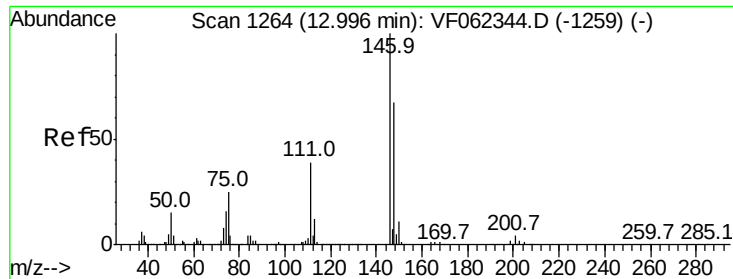
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#90
Hexachloroethane
Concen: 52.028 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	180091		
201	89.1		46.2	138.5





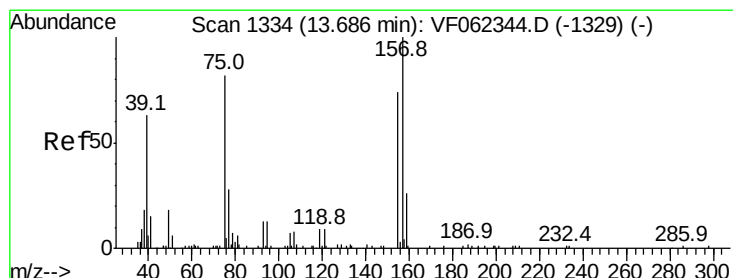
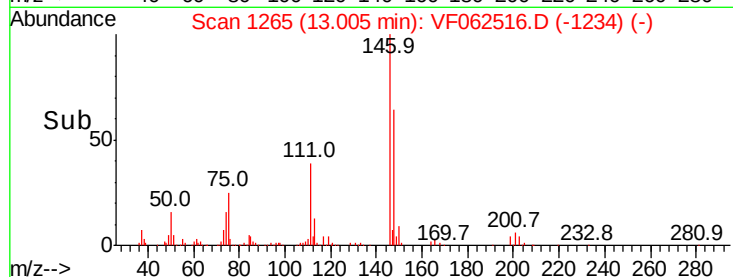
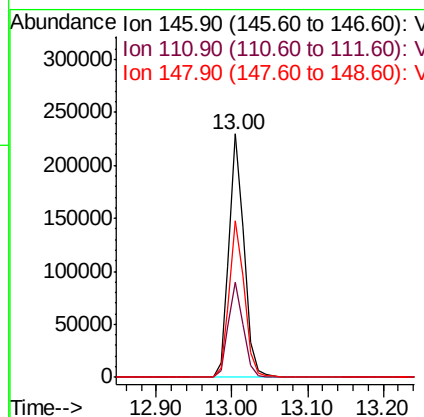
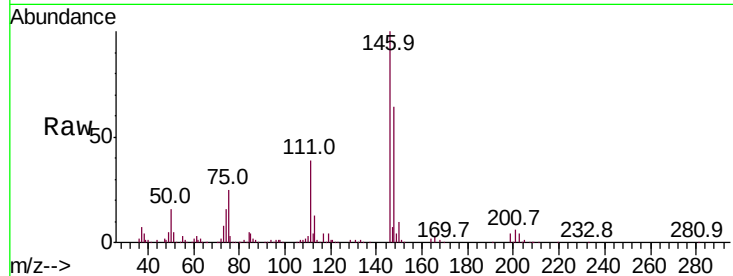
#91
 1,2-Dichlorobenzene
 Concen: 51.543 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.1	20.0	60.0	
148	64.8	33.1	99.5	

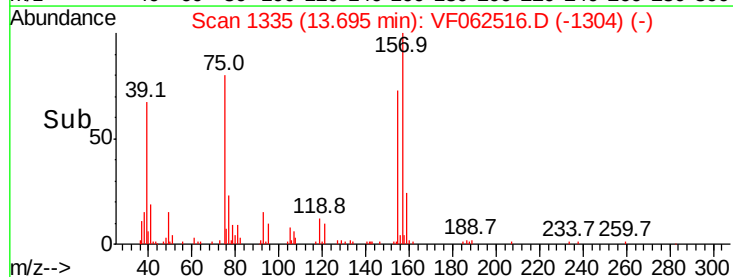
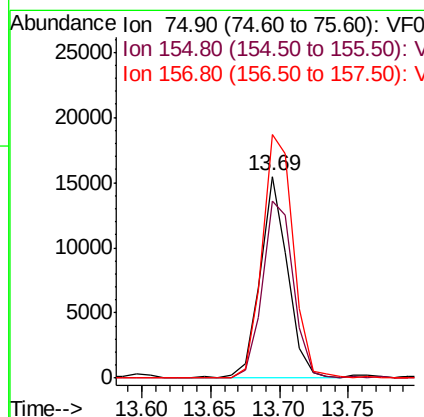
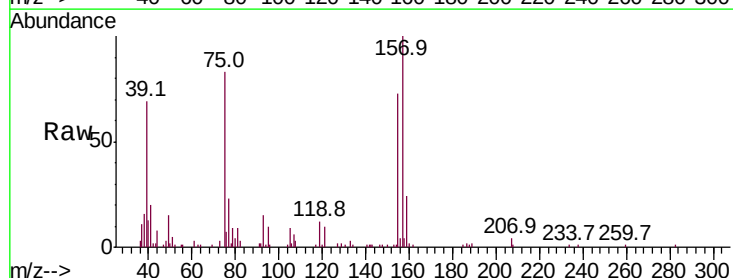
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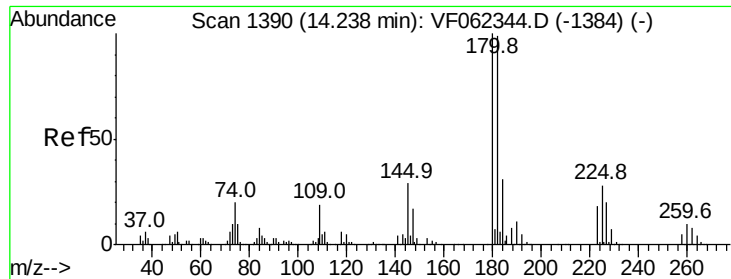
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.157 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	98.1	51.8	155.4	
157	136.4	67.3	201.8	





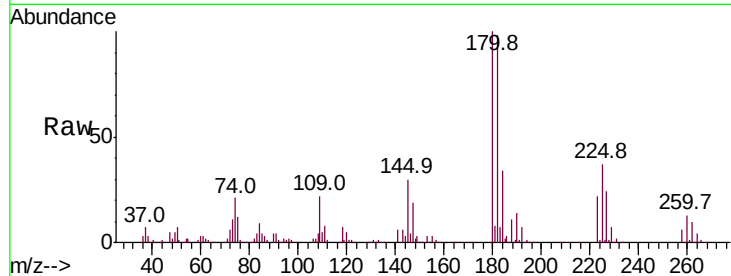
#93
 1,2,4-Trichlorobenzene
 Concen: 51.240 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

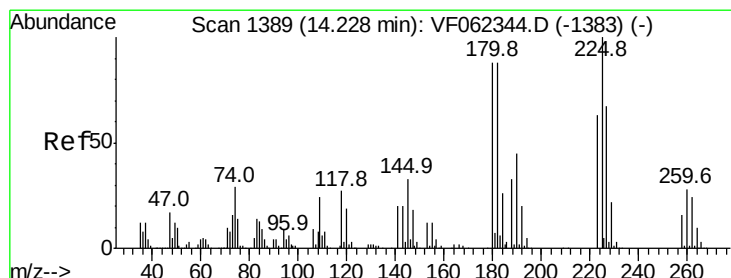
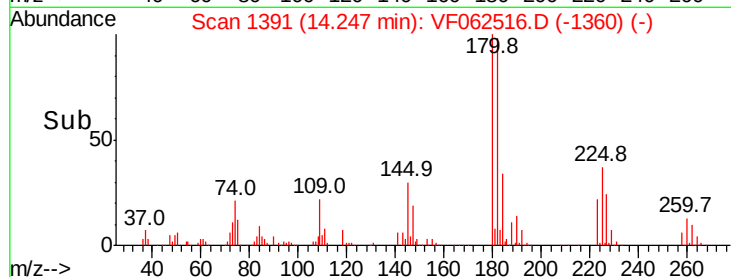
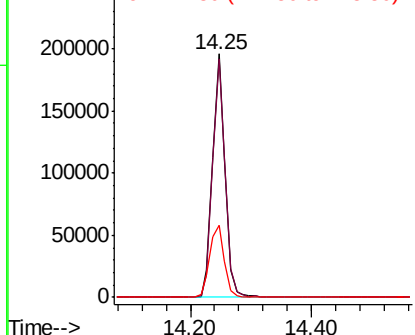
Tot Ion	Ratio	Resp	Lower	Upper
180	100	283760		
182	98.3	49.0	147.0	
145	34.5	16.7	50.1	

Manual Integrations
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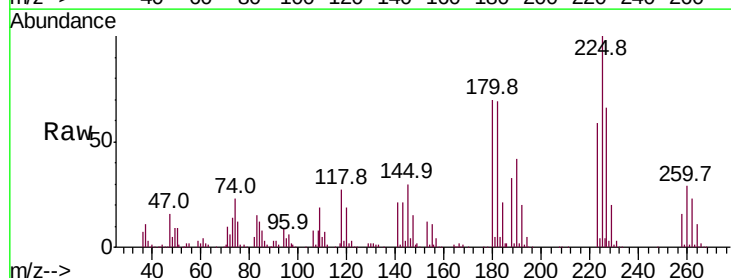


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

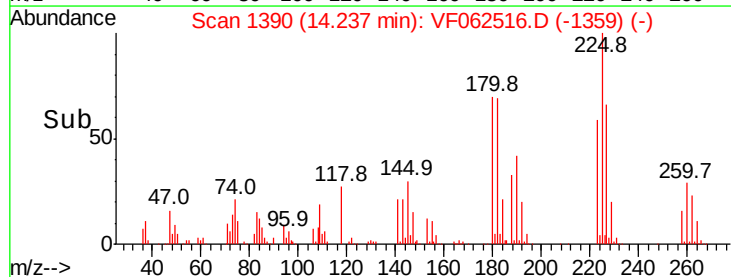
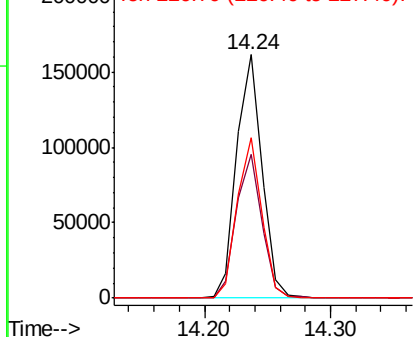


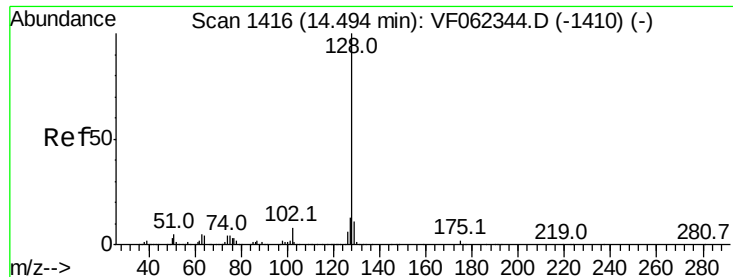
#94
 Hexachlorobutadiene
 Concen: 54.250 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062516.D
 Acq: 12 May 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	223920		
223	59.8	31.9	95.5	
227	64.1	33.1	99.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





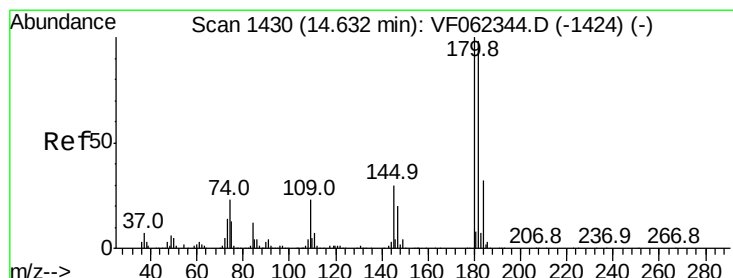
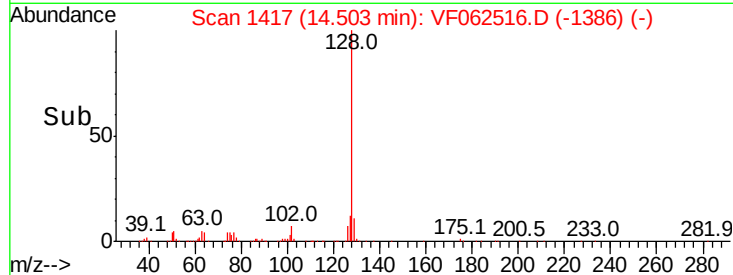
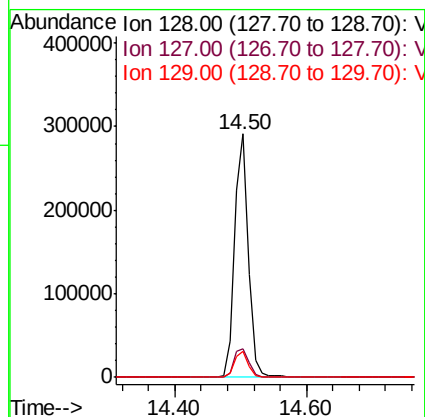
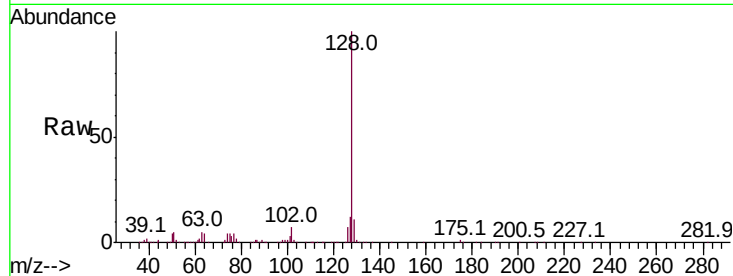
#95
Naphthalene
Concen: 51.349 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128	Resp:	427520
Ion Ratio	Lower	Upper
128 100		
127 13.0	10.5	15.7
129 11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/13/2019 12:24:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.809 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062516.D
Acq: 12 May 2019 22:16

Tgt Ion:180	Resp:	277961
Ion Ratio	Lower	Upper
180 100		
182 96.0	49.4	148.0
145 29.3	14.8	44.3

