

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062626.D
 Acq On : 16 May 2019 15:00
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:26 PM

Quant Time: May 17 05:23:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	809076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1309748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	980541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	469996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	57536	10.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	20.12%	
35) Dibromofluoromethane	4.32	113	109495	10.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.86%	
50) Toluene-d8	7.71	98	254433	10.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.26%	
62) 4-Bromofluorobenzene	11.50	95	96502	10.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	108746	9.877	ug/l	99
3) Chloromethane	1.16	50	95973	9.467	ug/l	100
4) Vinyl Chloride	1.20	62	87382	9.364	ug/l	91
5) Bromomethane	1.40	94	48396	9.480	ug/l	85
6) Chloroethane	1.46	64	32279	9.418	ug/l #	86
7) Trichlorofluoromethane	1.56	101	123115m	10.429	ug/l	
8) Diethyl Ether	1.71	74	23995	9.666	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	79552	9.971	ug/l	90
10) Methyl Iodide	2.00	142	159129	10.153	ug/l	95
11) Tert butyl alcohol	2.71	59	20289	53.751	ug/l	98
12) 1,1-Dichloroethene	1.89	96	74187	10.207	ug/l	92
13) Acrolein	2.11	56	24598	62.429	ug/l	82
14) Allyl chloride	2.20	41	61485	8.610	ug/l	95
15) Acrylonitrile	3.09	53	56613	53.170	ug/l	91
16) Acetone	2.35	43	78329	52.809	ug/l	94
17) Carbon Disulfide	1.93	76	208727	10.079	ug/l	98
18) Methyl Acetate	2.46	43	23157	9.136	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	134422	10.346	ug/l	98
20) Methylene Chloride	2.34	84	77973m	10.549	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	68787	9.683	ug/l	96
22) Diisopropyl ether	2.94	45	170427	10.505	ug/l	98
23) Vinyl Acetate	3.36	43	603982	55.187	ug/l	97
24) 1,1-Dichloroethane	3.01	63	110904	9.318	ug/l	99
25) 2-Butanone	4.54	43	165792	52.317	ug/l	95
26) 2,2-Dichloropropane	3.78	77	64573	9.482	ug/l	78
27) cis-1,2-Dichloroethene	3.65	96	119730	10.246	ug/l	100
28) Bromochloromethane	3.91	49	74312	11.133	ug/l	98
29) Tetrahydrofuran	4.28	42	75119	58.578	ug/l	98
30) Chloroform	4.06	83	166675	10.086	ug/l	93
31) Cyclohexane	3.88	56	165103m	11.142	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	104004	9.477	ug/l	94
36) 1,1-Dichloropropene	4.48	75	140112	10.440	ug/l	97
37) Ethyl Acetate	4.31	43	60789	11.093	ug/l #	75
38) Carbon Tetrachloride	4.19	117	89171	9.431	ug/l	89

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	161310	9.989	ug/l	95
40) Benzene	4.84	78	377813	10.333	ug/l	97
41) Methacrylonitrile	4.94	41	30765	10.709	ug/l	90
42) 1,2-Dichloroethane	5.14	62	75323	10.331	ug/l	91
43) Isopropyl Acetate	7.12	43	86901	12.241	ug/l #	95
44) Trichloroethene	5.68	130	108649	10.573	ug/l	95
45) 1,2-Dichloropropane	6.41	63	96610	10.467	ug/l	96
46) Dibromomethane	6.27	93	56214	10.539	ug/l #	79
47) Bromodichloromethane	6.56	83	106468	9.615	ug/l	93
48) Methyl methacrylate	6.89	41	41120	11.082	ug/l	94
49) 1,4-Dioxane	6.88	88	11012	231.706	ug/l #	86
51) 4-Methyl-2-Pentanone	8.40	43	311119	64.114	ug/l	98
52) Toluene	7.78	92	189854	9.901	ug/l	78
53) t-1,3-Dichloropropene	8.43	75	94664	10.449	ug/l	93
54) cis-1,3-Dichloropropene	7.47	75	131230	10.348	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	58282	10.266	ug/l	92
56) Ethyl methacrylate	8.76	69	79480	11.751	ug/l	96
57) 1,3-Dichloropropane	9.01	76	100202	10.362	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	116397	52.868	ug/l	96
59) 2-Hexanone	9.63	43	246720	69.539	ug/l	98
60) Dibromochloromethane	8.87	129	75699	10.230	ug/l	93
61) 1,2-Dibromoethane	9.13	107	60307	10.001	ug/l	94
64) Tetrachloroethene	8.32	164	80418	10.352	ug/l	94
65) Chlorobenzene	9.94	112	198765	10.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	82461	10.666	ug/l	92
67) Ethyl Benzene	10.03	91	356995	10.670	ug/l	96
68) m/p-Xylenes	10.27	106	258818	20.583	ug/l	81
69) o-Xylene	10.82	106	134063	10.351	ug/l	98
70) Styrene	10.90	104	197001	10.007	ug/l	95
71) Bromoform	10.88	173	38305	9.892	ug/l #	100
73) Isopropylbenzene	11.21	105	344663	10.232	ug/l	91
74) N-amyl acetate	11.45	43	167296	16.098	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	74279	10.790	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	53156	11.752	ug/l	99
77) Bromobenzene	11.58	156	90359	10.792	ug/l	94
78) n-propylbenzene	11.68	91	435784	10.931	ug/l	93
79) 2-Chlorotoluene	11.80	91	252669	11.246	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	300521	11.126	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	21006m	8.359	ug/l	
82) 4-Chlorotoluene	11.97	91	240436	10.852	ug/l	87
83) tert-Butylbenzene	12.20	119	293757	10.720	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	292369	11.184	ug/l	89
85) sec-Butylbenzene	12.37	105	414723	11.277	ug/l	92
86) p-Isopropyltoluene	12.53	119	343382	11.079	ug/l	94
87) 1,3-Dichlorobenzene	12.54	146	167494	11.057	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	155165	10.915	ug/l	97
89) n-Butylbenzene	12.90	91	362407	11.860	ug/l	87
90) Hexachloroethane	12.98	117	78379	10.542	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	146246	10.830	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	9176	11.173	ug/l	89

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ClientSampleId :
VSTDICC010

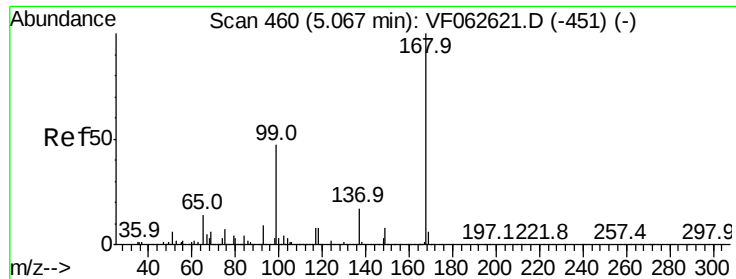
Manual Integrations
APPROVED

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	109132	11.291	ug/l	91
94) Hexachlorobutadiene	14.23	225	71894	10.658	ug/l	94
95) Naphthalene	14.50	128	230470	13.125	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	96699	10.562	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 809076

Ion Ratio Lower Upper

168 100

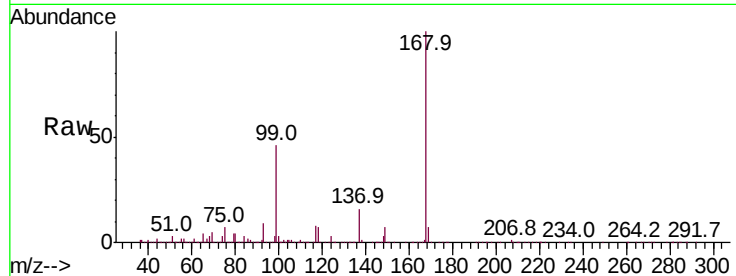
99 46.2 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

150000

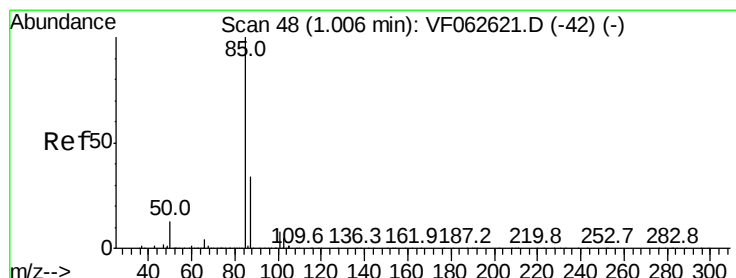
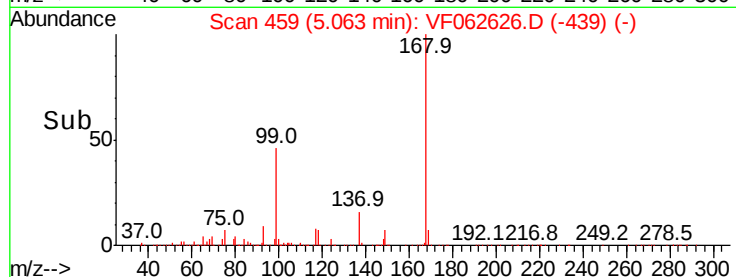
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50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 9.877 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062626.D

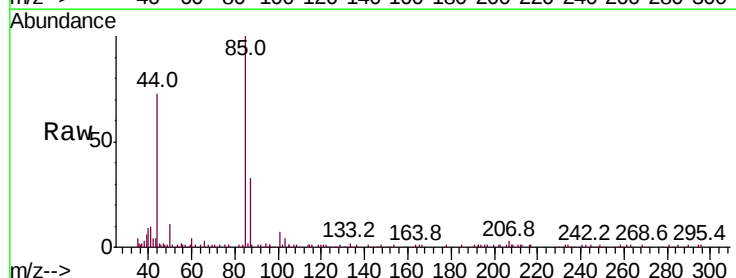
Acq: 16 May 2019 15:00

Tgt Ion: 85 Resp: 108746

Ion Ratio Lower Upper

85 100

87 33.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

30000

25000

20000

15000

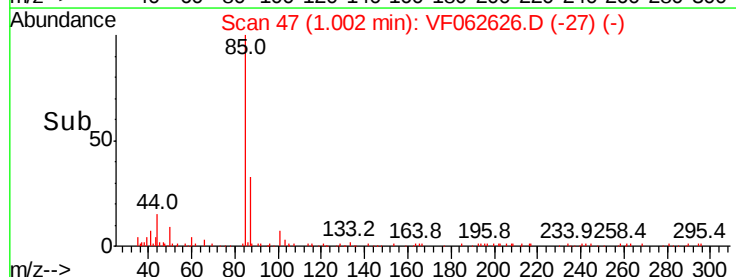
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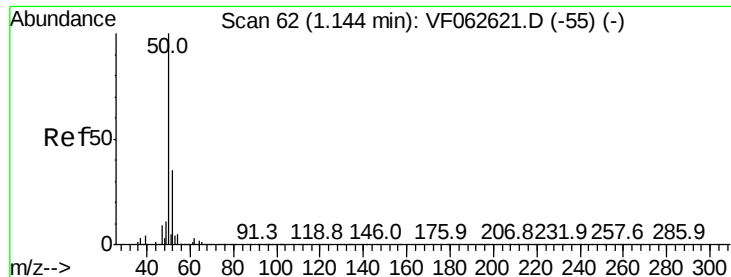
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Time-->

0.80 0.90 1.00 1.10 1.20





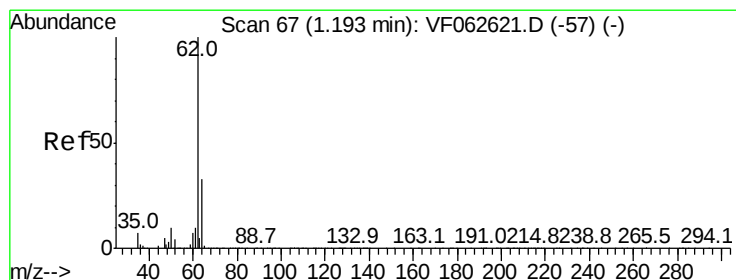
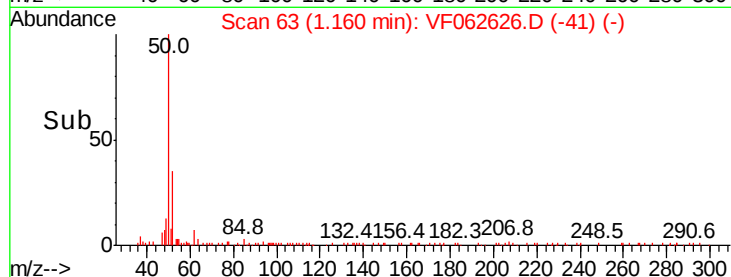
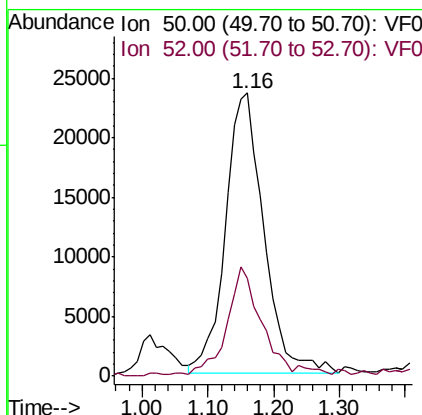
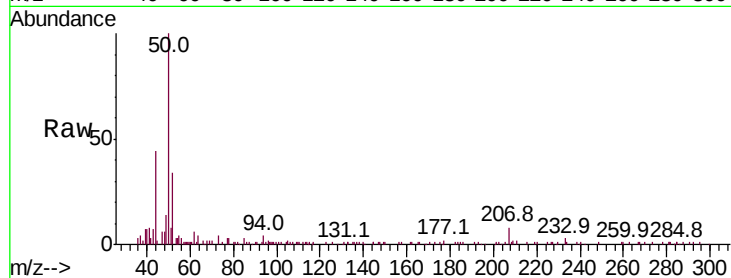
#3
Chloromethane
Concen: 9.467 ug/l
RT: 1.16 min Scan# 63
Delta R.T. 0.02 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	50	Resp	95973
Ion Ratio	100	Lower	Upper
52	34.4	27.5	41.3

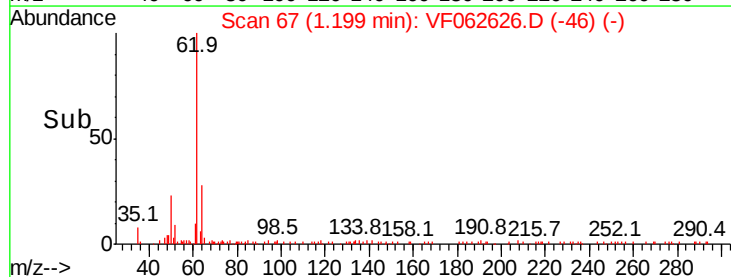
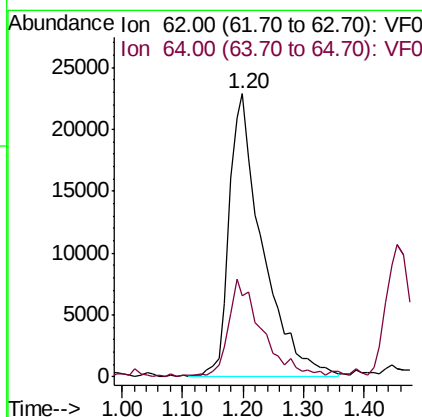
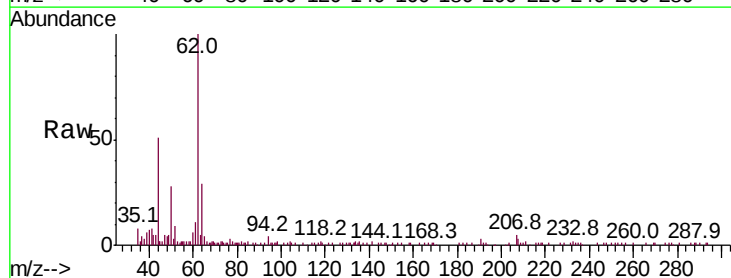
Manual Integrations
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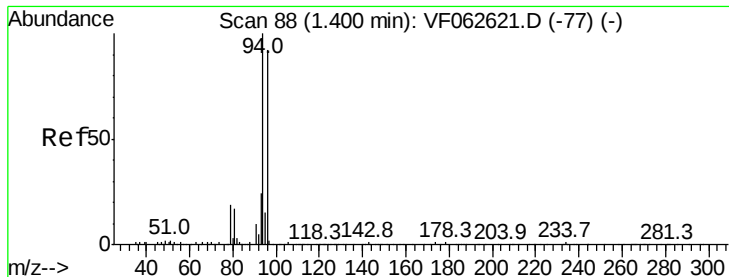
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#4
Vinyl Chloride
Concen: 9.364 ug/l
RT: 1.20 min Scan# 67
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	62	Resp	87382
Ion Ratio	100	Lower	Upper
64	28.6	26.7	40.1





#5

Bromomethane

Concen: 9.480 ug/l

RT: 1.40 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 48396

Ion Ratio Lower Upper

94 100

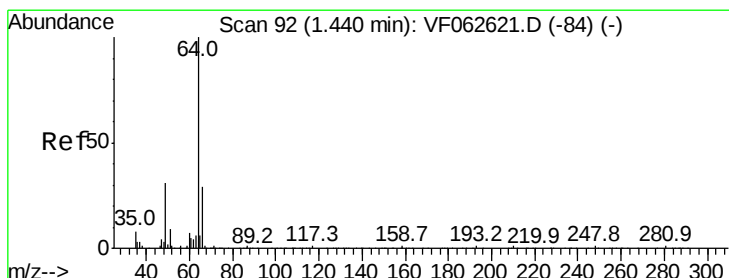
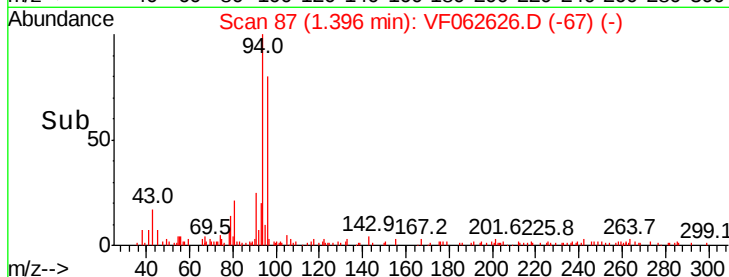
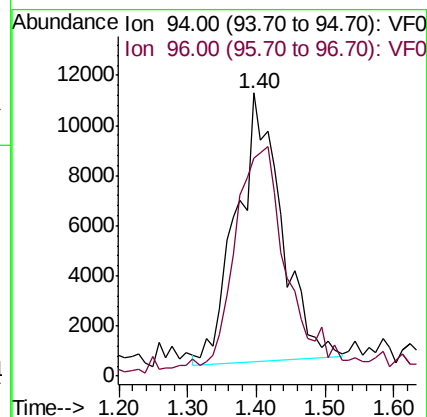
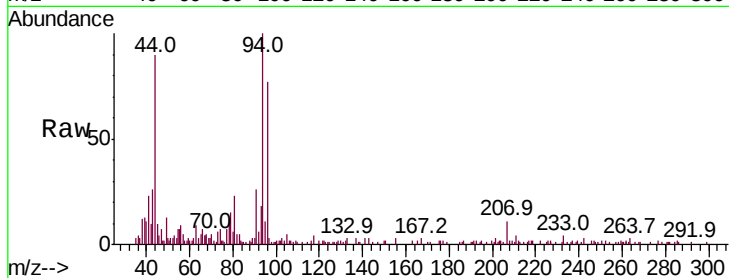
96 77.2 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 9.418 ug/l

RT: 1.46 min Scan# 93

Delta R.T. 0.02 min

Lab File: VF062626.D

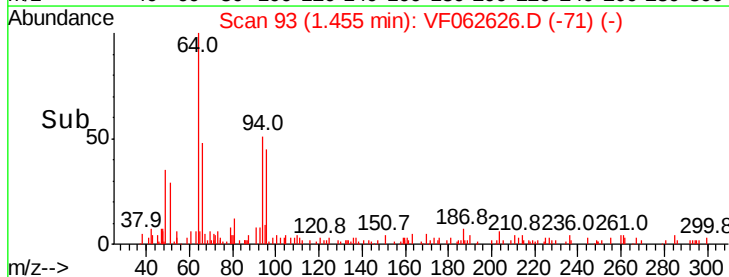
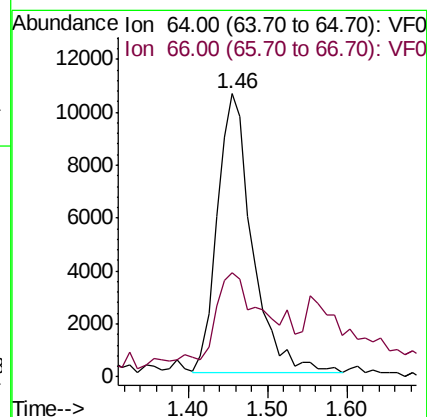
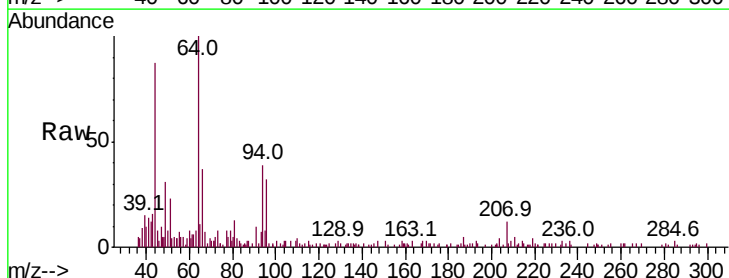
Acq: 16 May 2019 15:00

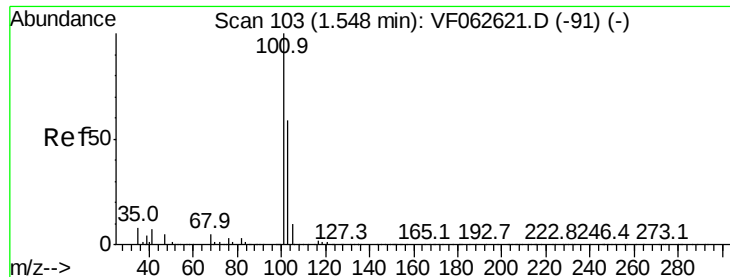
Tgt Ion: 64 Resp: 32279

Ion Ratio Lower Upper

64 100

66 36.8 23.4 35.2#





#7

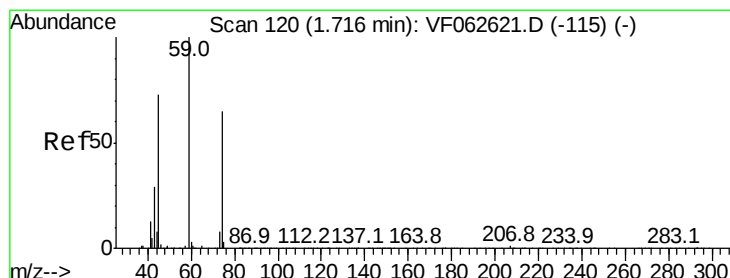
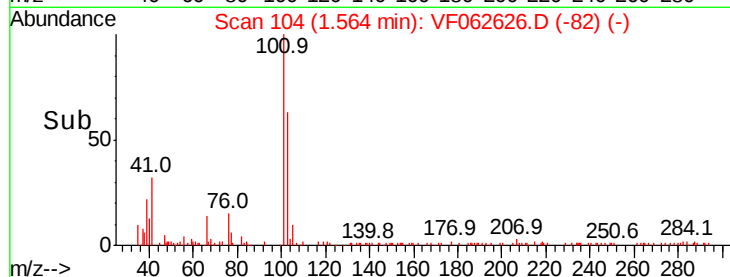
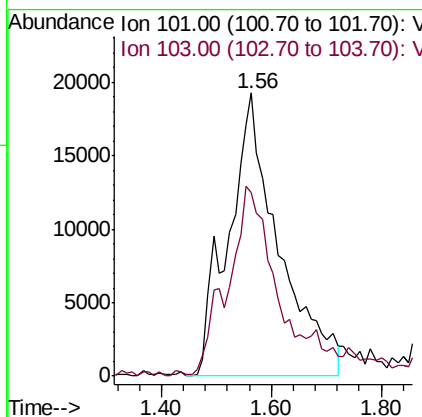
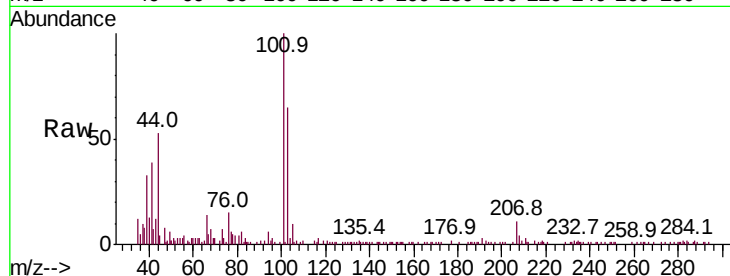
Trichlorofluoromethane
 Concen: 10.429 ug/l m
 RT: 1.56 min Scan# 104
 Delta R.T. 0.02 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Instrument :
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 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
101	100	123115		
103	64.8	47.3	70.9	

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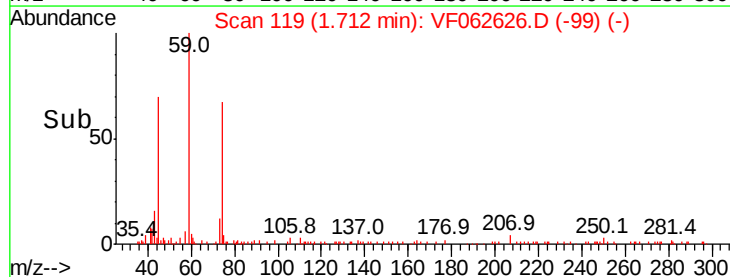
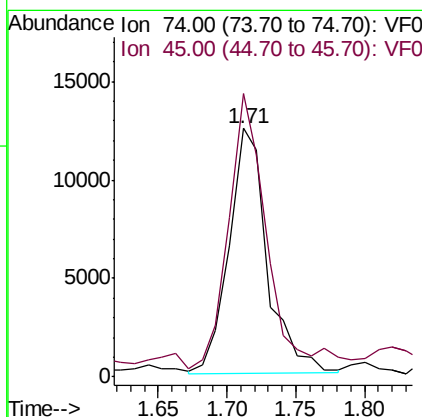
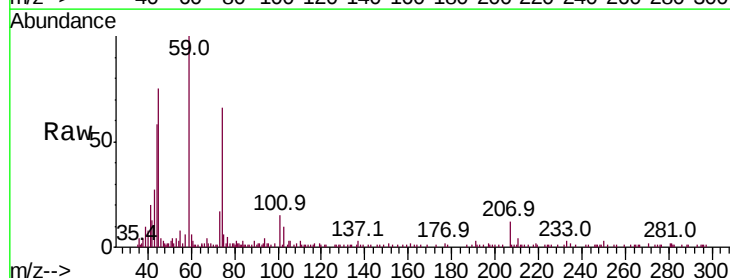
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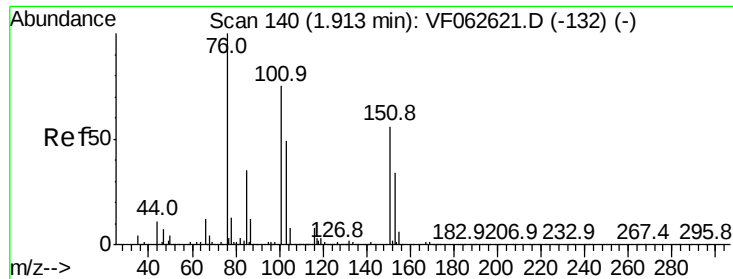


#8

Diethyl Ether
 Concen: 9.666 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	23995		
45	114.0	57.0	170.8	





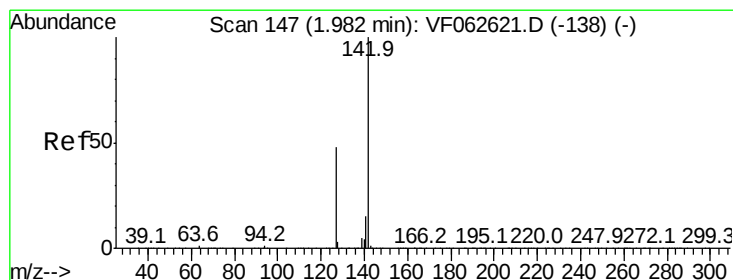
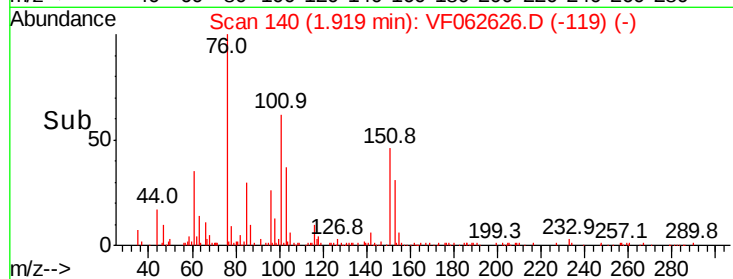
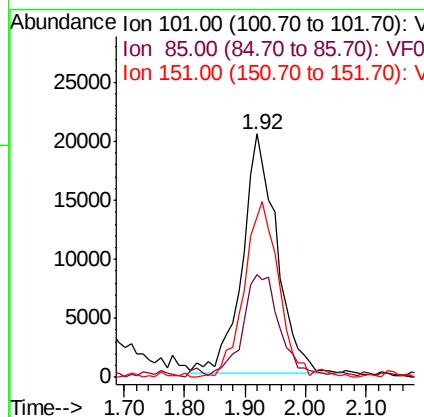
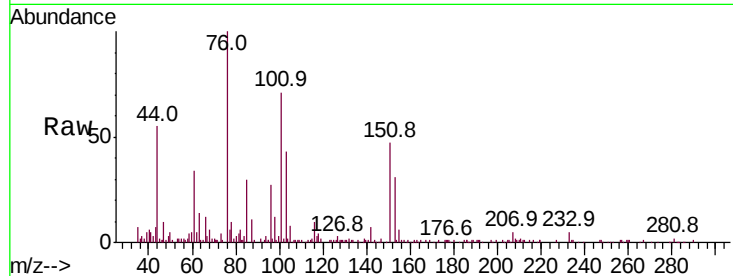
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.971 ug/l
RT: 1.92 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
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Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	41.2	37.1	55.7
151	64.2	58.8	88.2

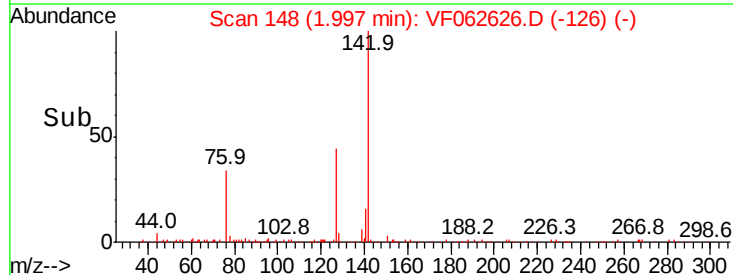
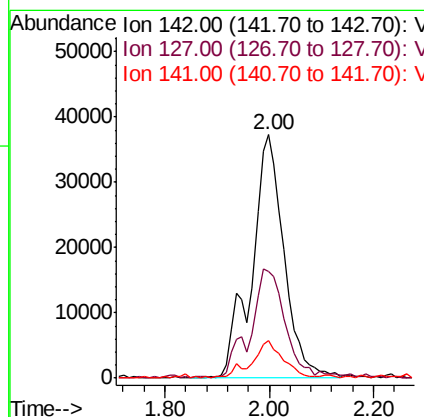
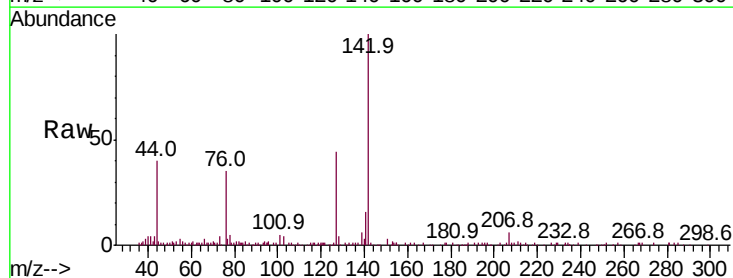
Manual Integrations
APPROVED

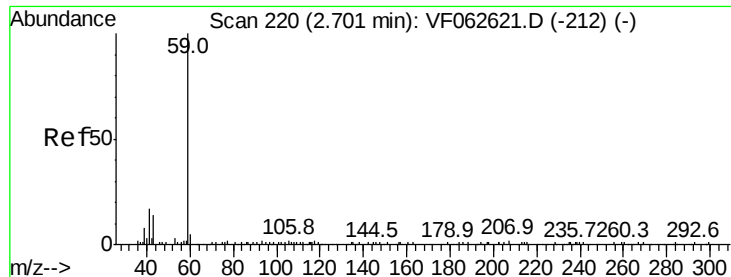
MMDadoda
5/17/2019 4:20:26 PM



#10
Methyl Iodide
Concen: 10.153 ug/l
RT: 2.00 min Scan# 148
Delta R.T. 0.02 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
127	44.1	38.1	57.1
141	15.7	11.7	17.5





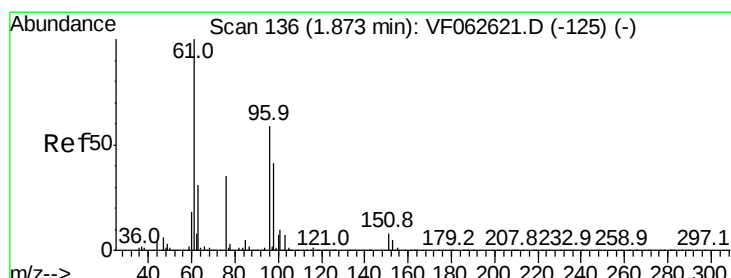
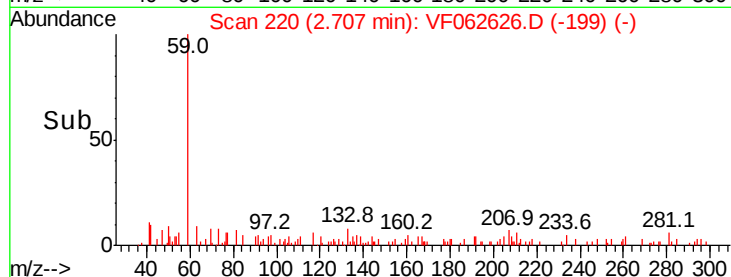
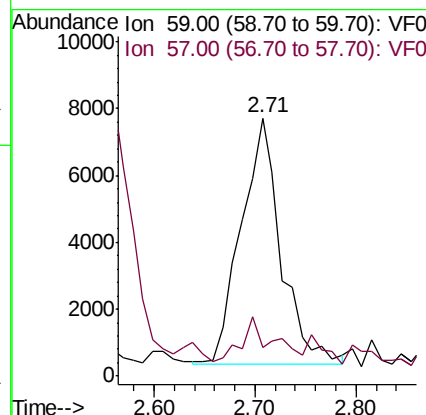
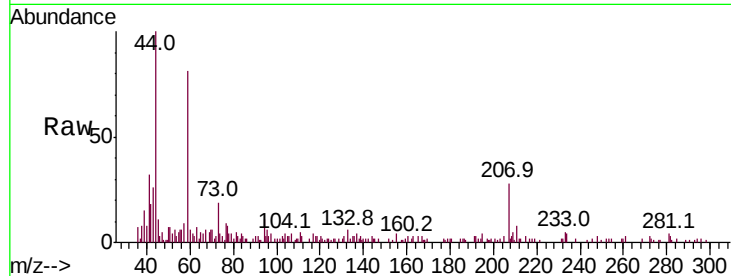
#11
Tert butyl alcohol
Concen: 53.751 ug/l
RT: 2.71 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.3	13.9

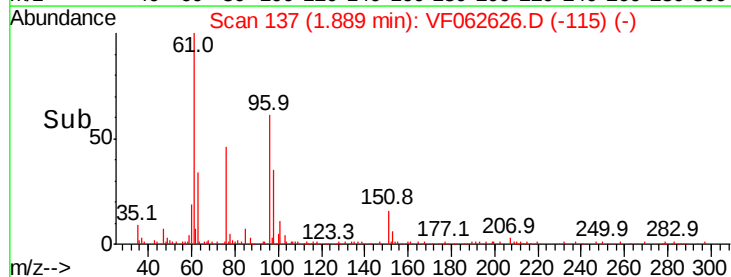
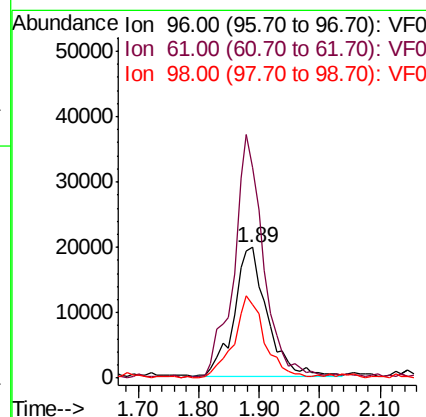
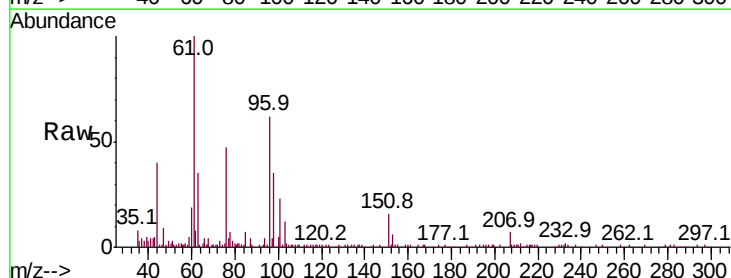
Manual Integrations
APPROVED

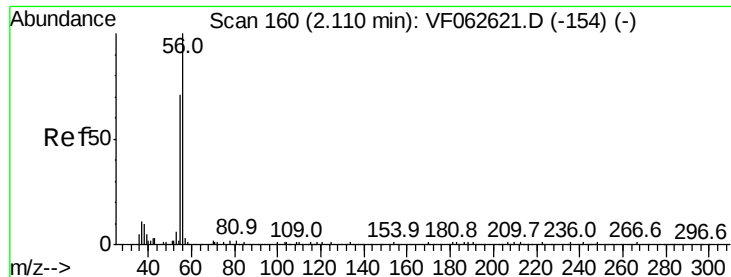
MMDadoda
5/17/2019 4:20:26 PM



#12
1,1-Dichloroethene
Concen: 10.207 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.02 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	134.3	201.5
98	56.7	55.0	82.6





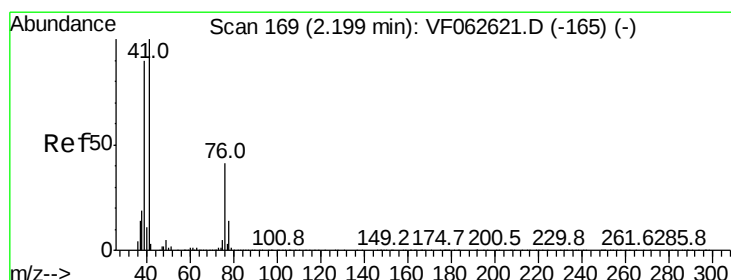
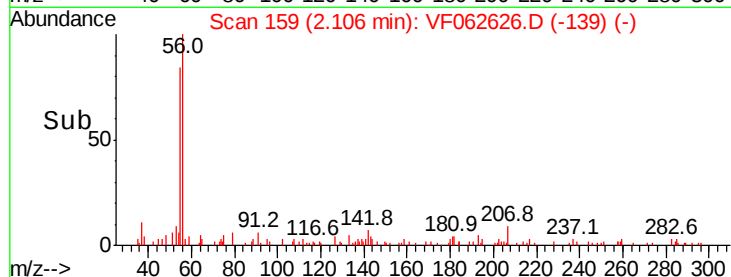
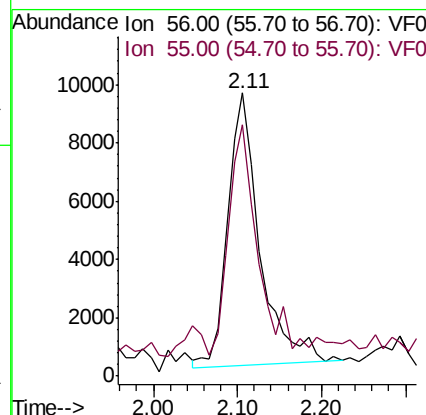
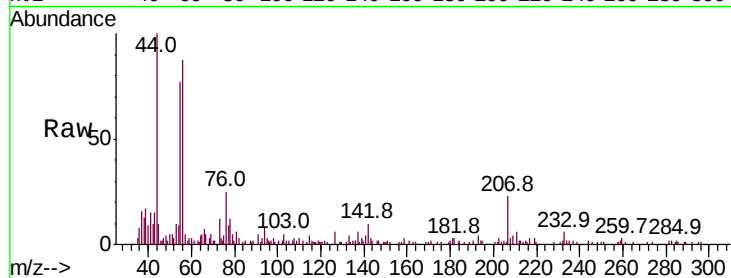
#13
Acrolein
Concen: 62.429 ug/l
RT: 2.11 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	56	Resp	24598
Ion Ratio	100	Lower	Upper
56	100		
55	89.0	59.4	89.0

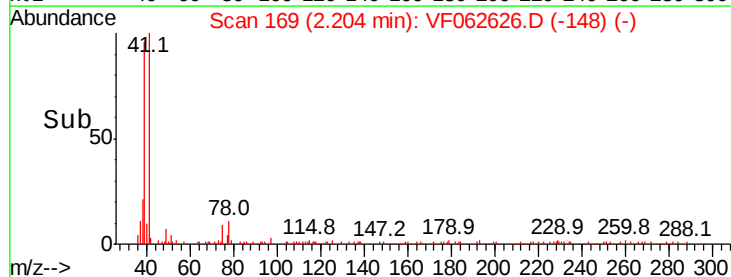
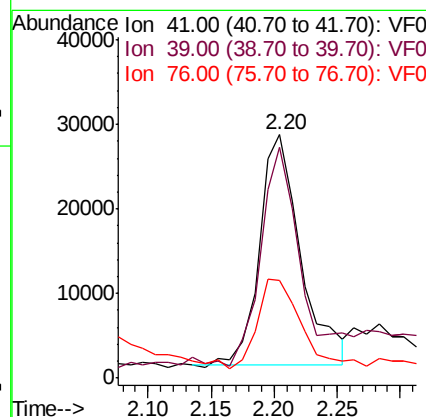
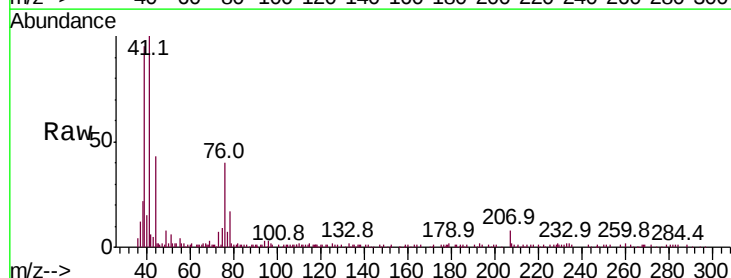
Manual Integrations
APPROVED

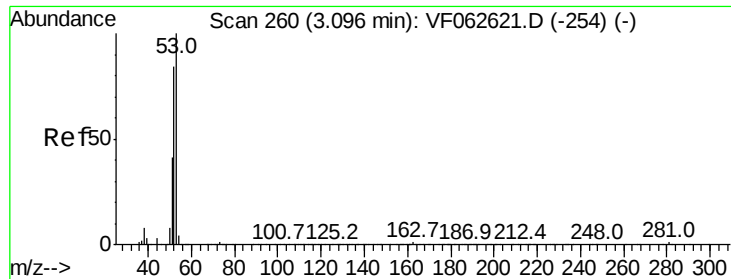
MMDadoda
5/17/2019 4:20:26 PM



#14
Allyl chloride
Concen: 8.610 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	41	Resp	61485
Ion Ratio	100	Lower	Upper
41	100		
39	94.9	72.0	108.0
76	40.1	34.8	52.2





#15

Acrylonitrile

Concen: 53.170 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

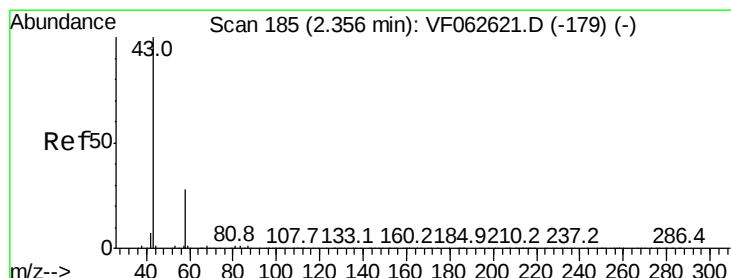
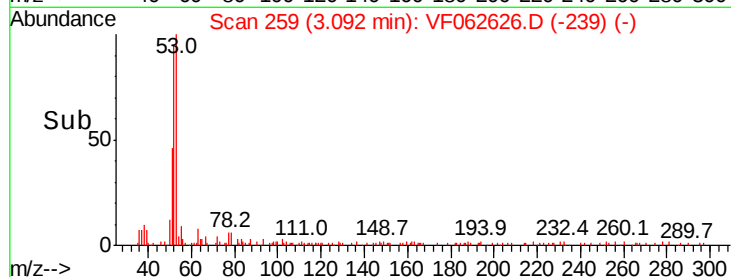
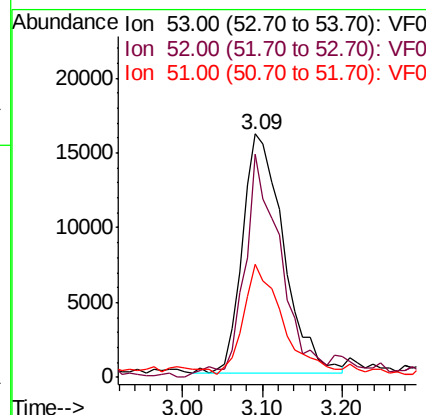
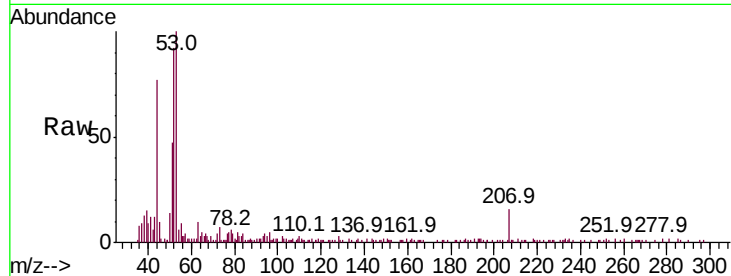
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	56613
Ion	Ratio	Lower	Upper
53	100		
52	91.8	67.3	100.9
51	46.7	33.0	49.6

Manual Integrations
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#16

Acetone

Concen: 52.809 ug/l

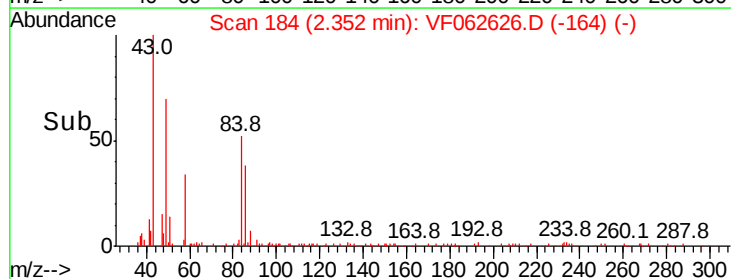
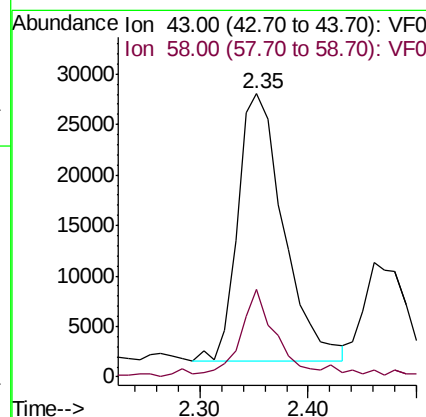
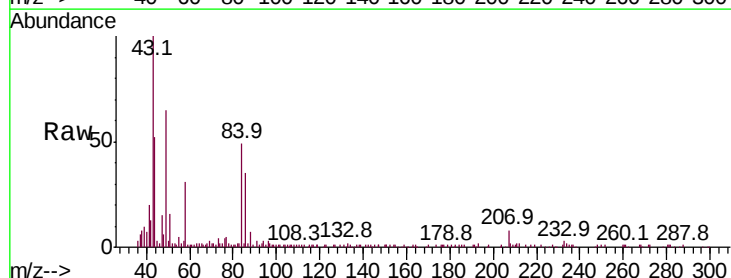
RT: 2.35 min Scan# 184

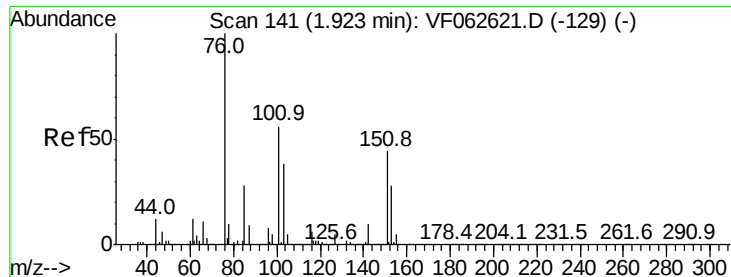
Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	43	Resp:	78329
Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.6	33.8





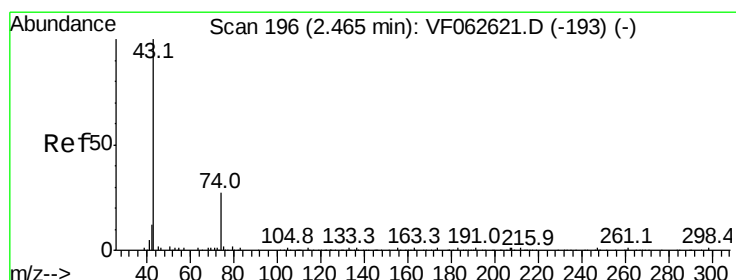
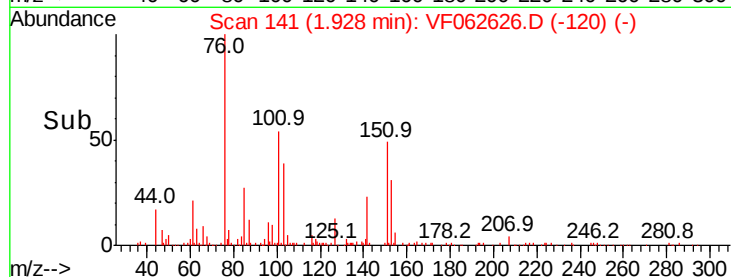
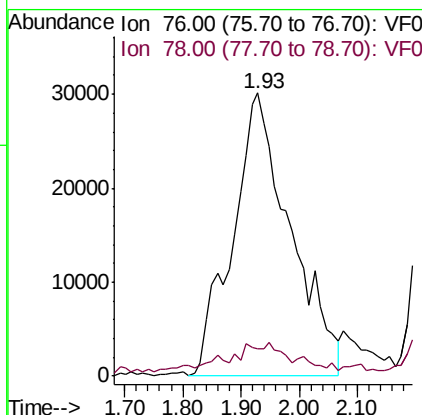
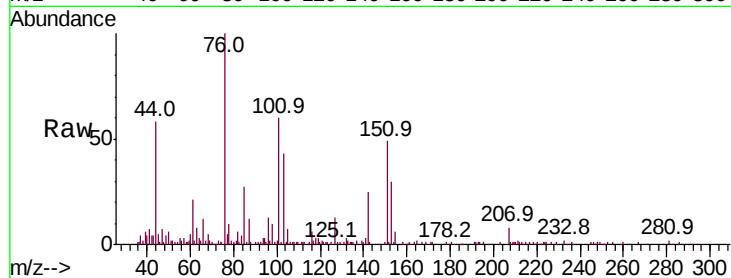
#17
Carbon Disulfide
Concen: 10.079 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	8.4	12.6

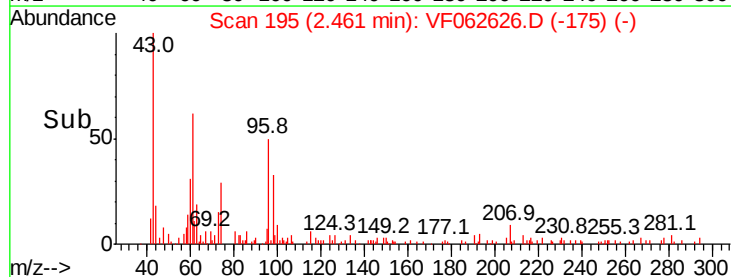
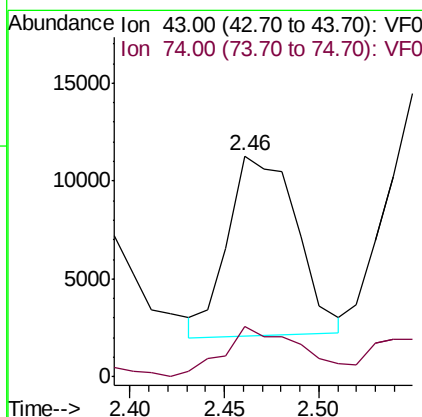
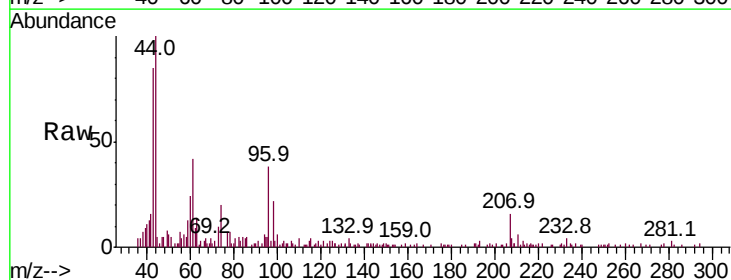
Manual Integrations
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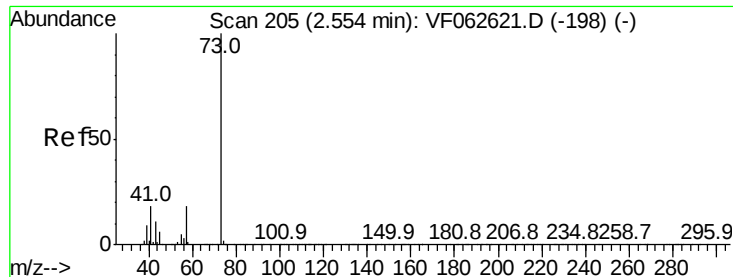
MMDadoda
5/17/2019 4:20:26 PM



#18
Methyl Acetate
Concen: 9.136 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.9	28.3





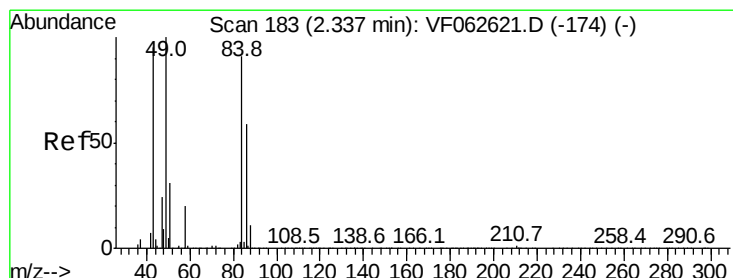
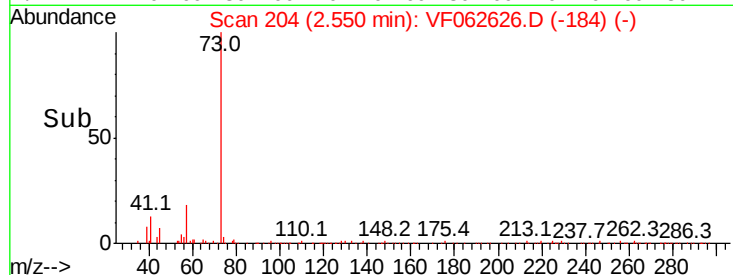
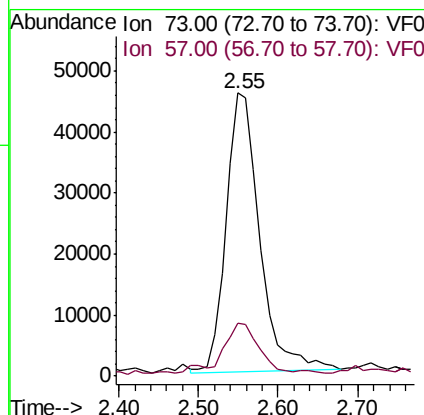
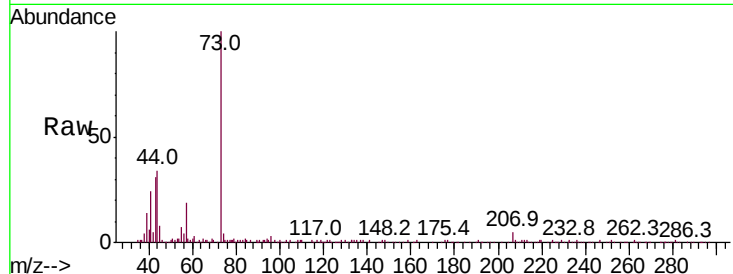
#19
Methyl tert-butyl Ether
Concen: 10.346 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	14.2	21.4

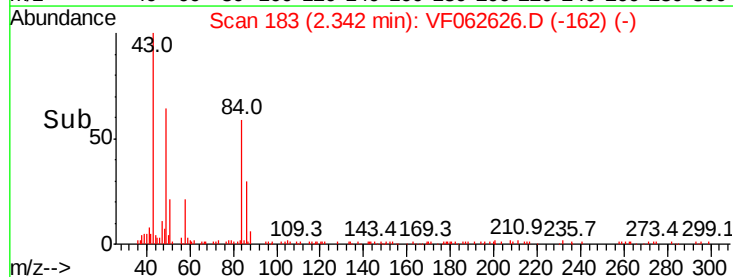
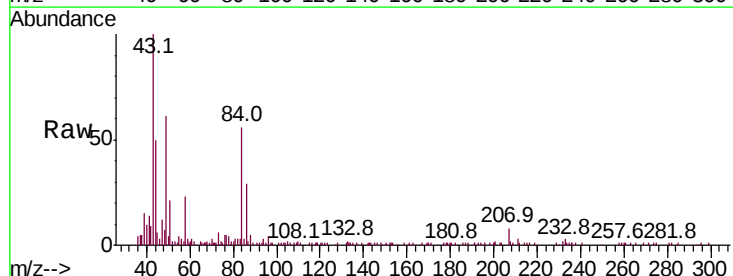
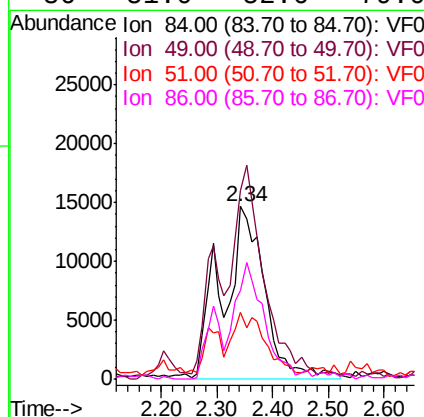
Manual Integrations
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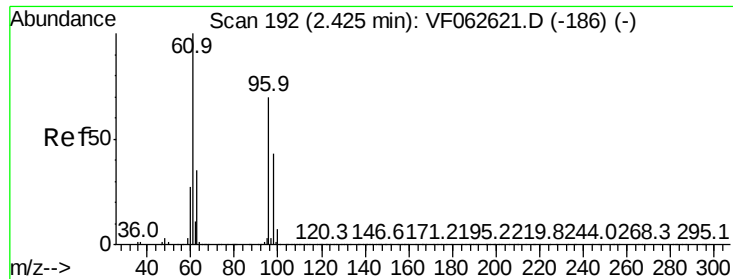
MMDadoda
5/17/2019 4:20:26 PM



#20
Methylene Chloride
Concen: 10.549 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.3	89.8	134.8
51	38.3	28.4	42.6
86	51.0	52.6	79.0#





#21

trans-1,2-Dichloroethene

Concen: 9.683 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

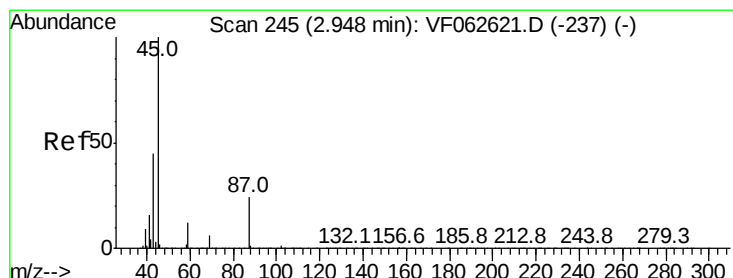
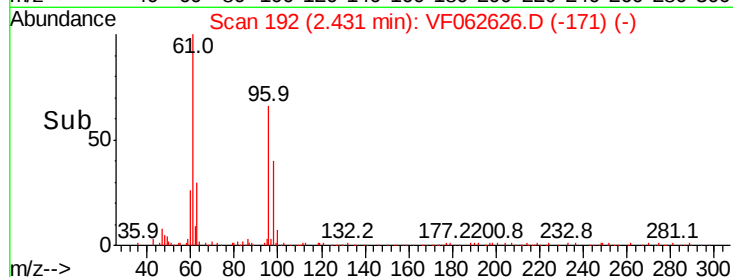
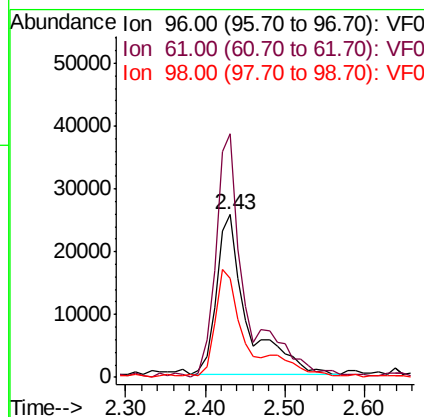
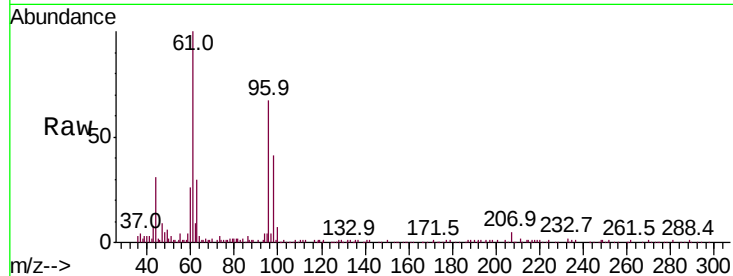
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	68787
Ion	Ratio	Lower	Upper
96	100		
61	149.7	114.6	171.8
98	60.7	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.505 ug/l

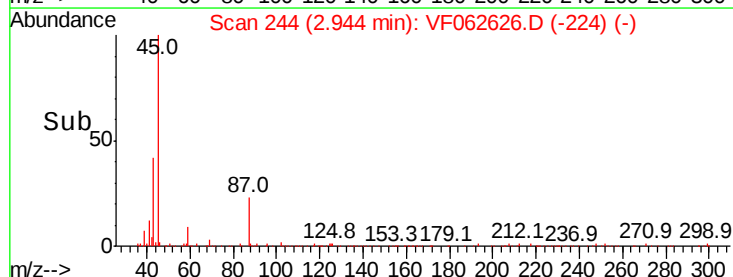
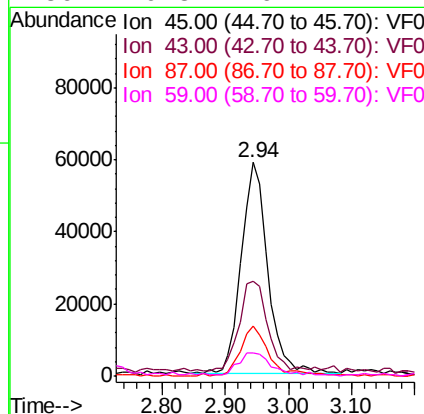
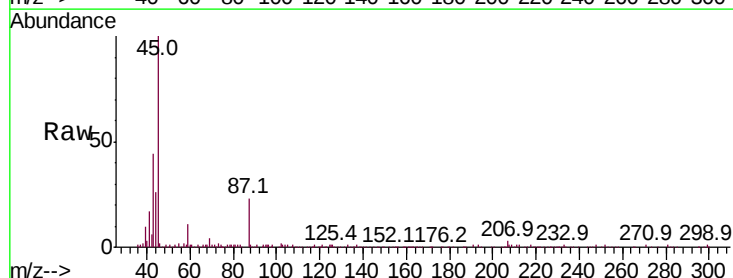
RT: 2.94 min Scan# 244

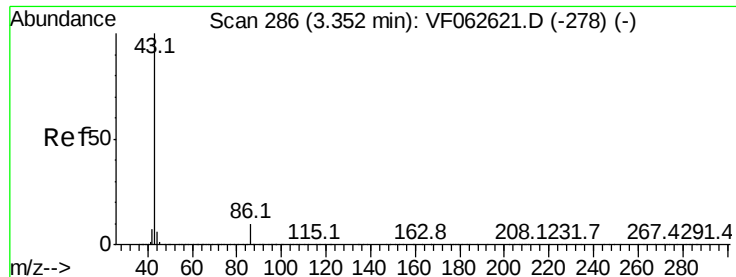
Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	45	Resp:	170427
Ion	Ratio	Lower	Upper
45	100		
43	44.2	36.4	54.6
87	23.1	19.3	28.9
59	10.8	9.4	14.2





#23

Vinyl Acetate

Concen: 55.187 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 603982

Ion Ratio Lower Upper

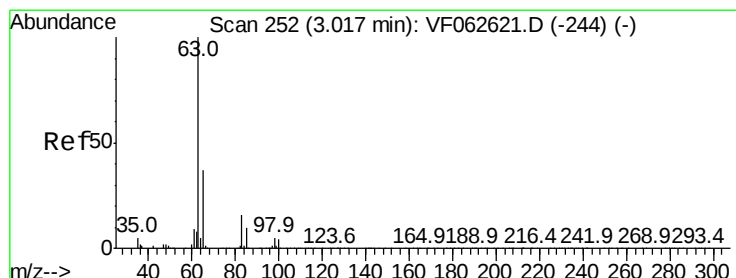
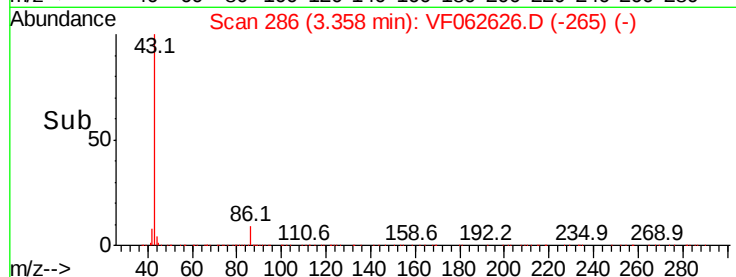
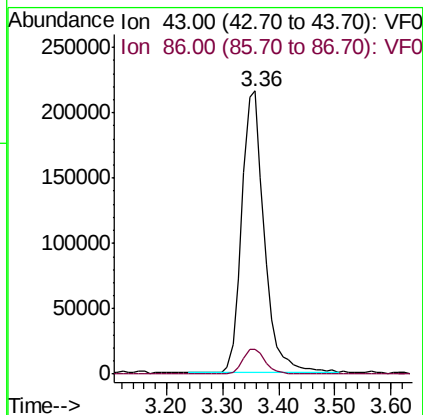
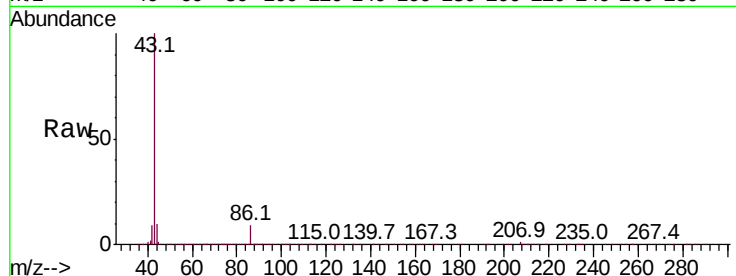
43 100

86 8.9 8.2 12.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.318 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

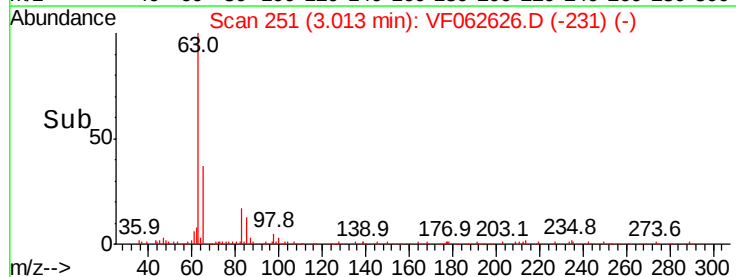
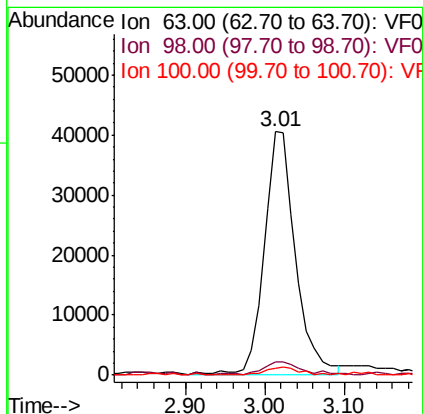
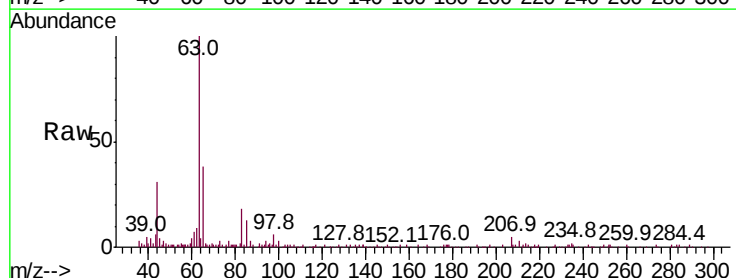
Tgt Ion: 63 Resp: 110904

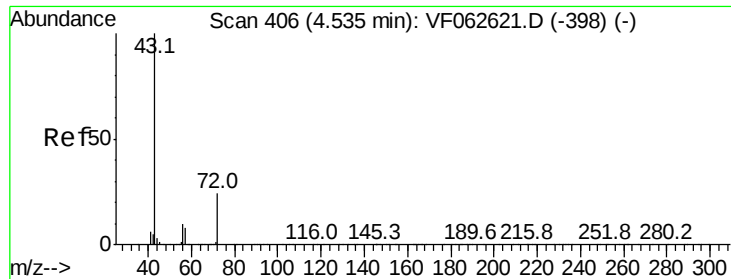
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.0 1.9 5.7





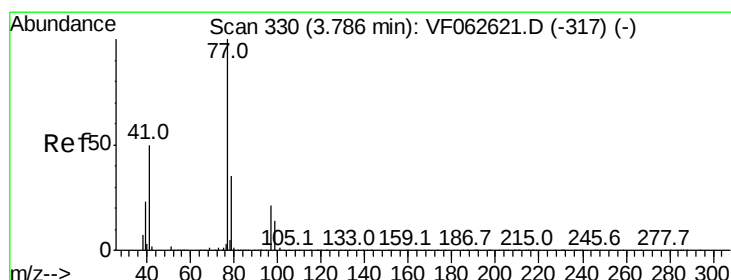
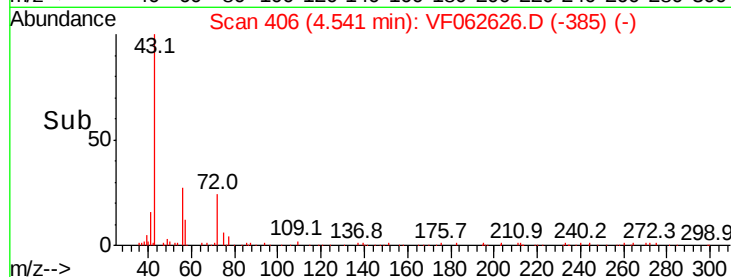
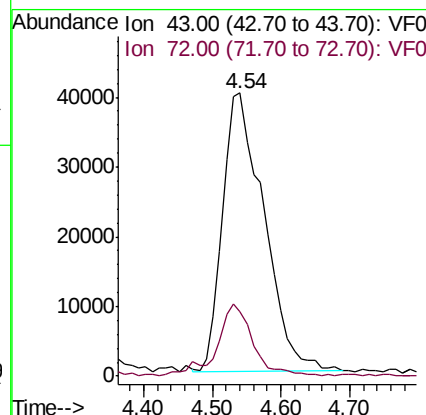
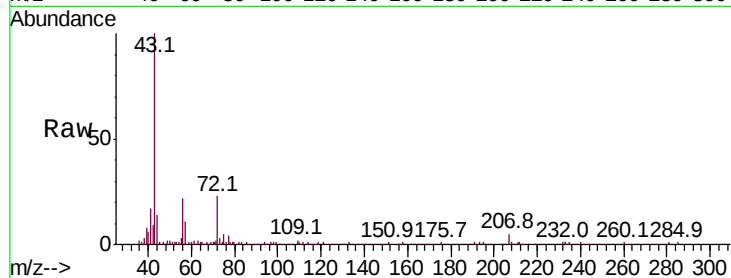
#25
2-Butanone
Concen: 52.317 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 165792
Ion Ratio Lower Upper
43 100
72 22.6 20.1 30.1

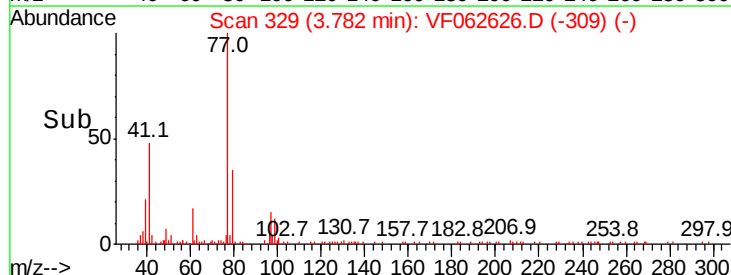
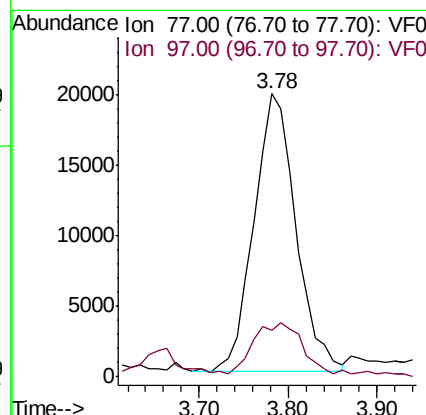
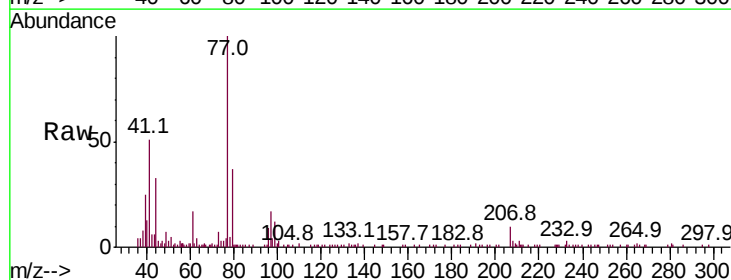
Manual Integrations
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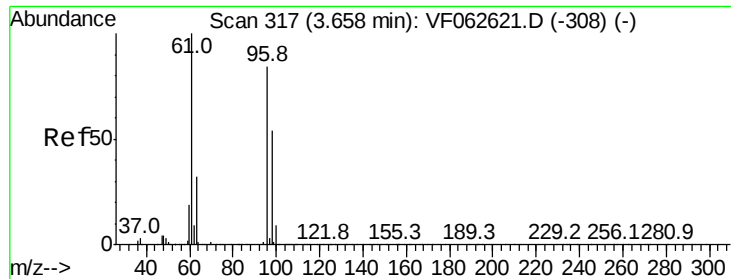
MMDadoda
5/17/2019 4:20:26 PM



#26
2,2-Dichloropropane
Concen: 9.482 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion: 77 Resp: 64573
Ion Ratio Lower Upper
77 100
97 16.6 14.1 42.4





#27

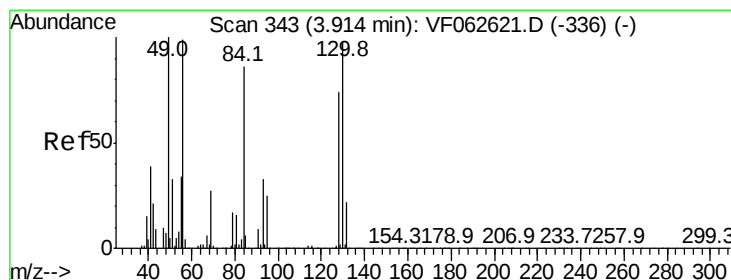
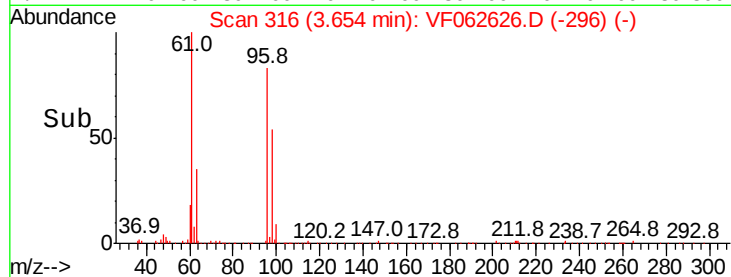
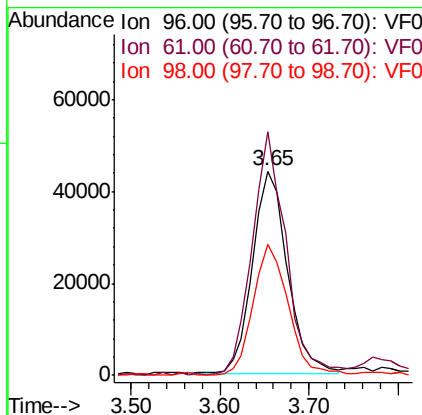
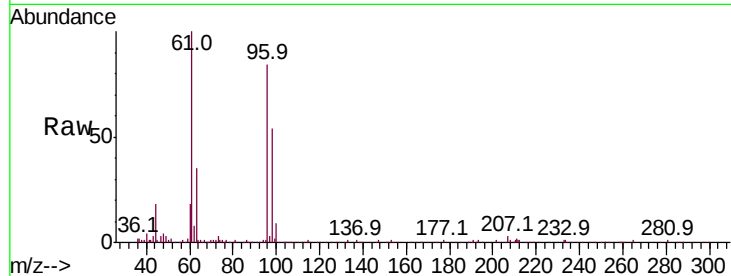
cis-1,2-Dichloroethene
Concen: 10.246 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119730		
61	119.4	0.0	237.4	
98	64.3	0.0	129.0	

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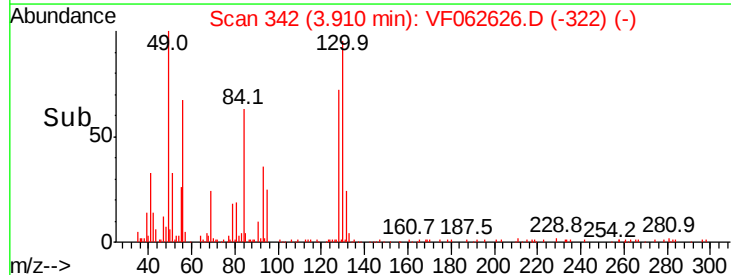
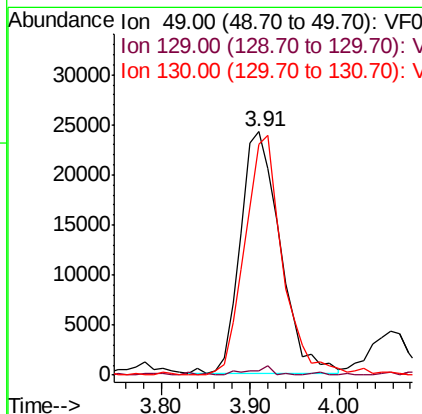
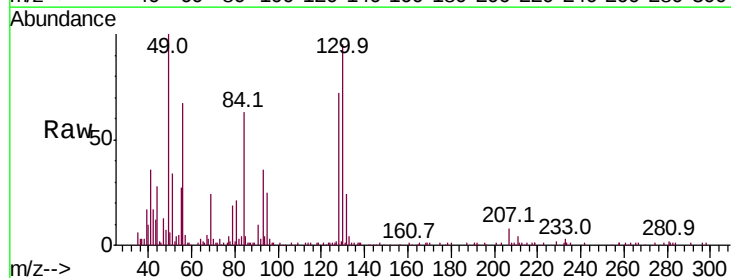
MMDadoda
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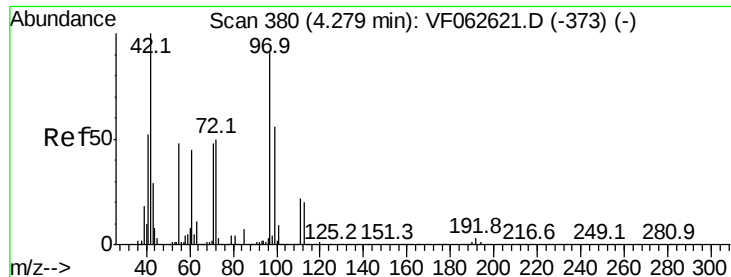


#28

Bromochloromethane
Concen: 11.133 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74312		
129	2.0	0.0	4.0	
130	94.8	77.8	116.8	





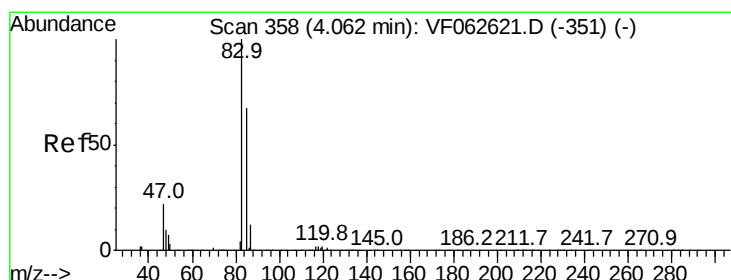
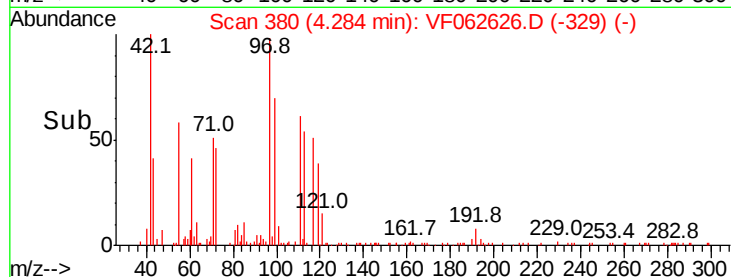
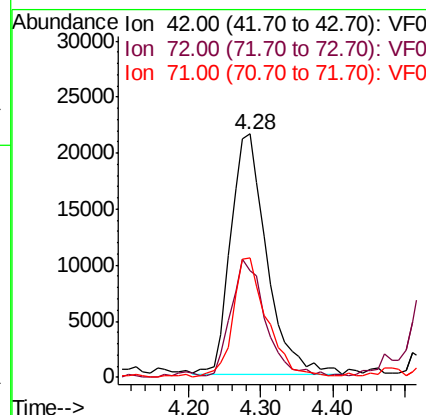
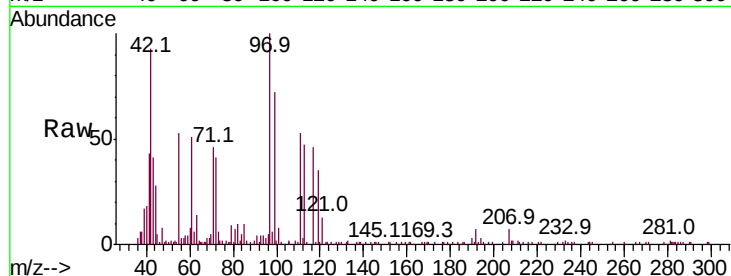
#29
Tetrahydrofuran
Concen: 58.578 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.2
71	47.1	35.8	53.6

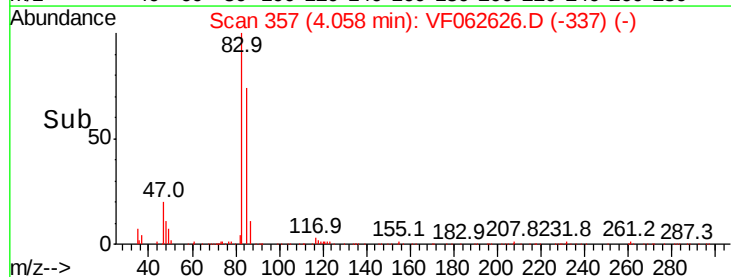
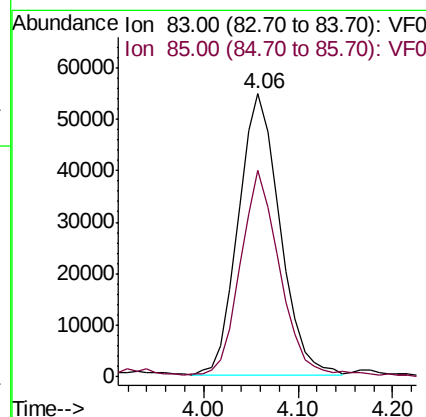
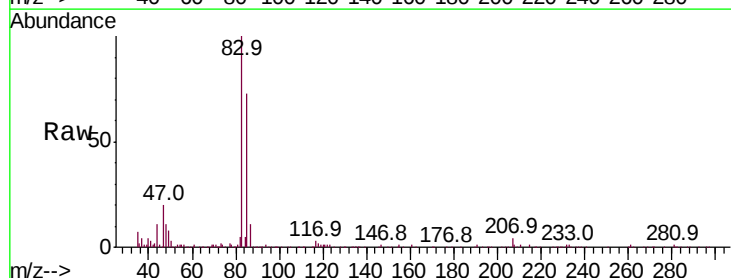
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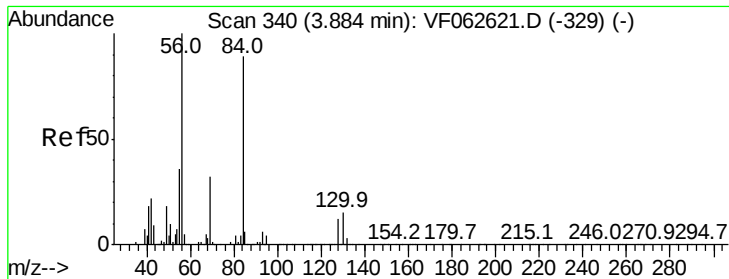
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#30
Chloroform
Concen: 10.086 ug/l
RT: 4.06 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.9	53.6	80.4





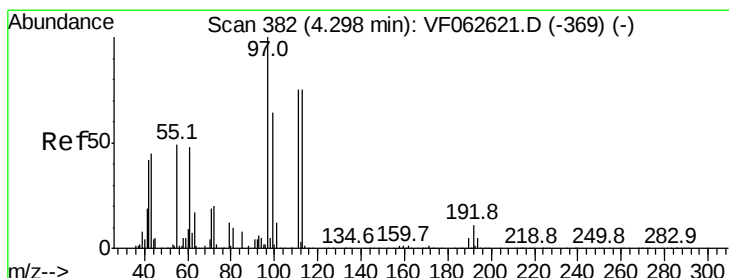
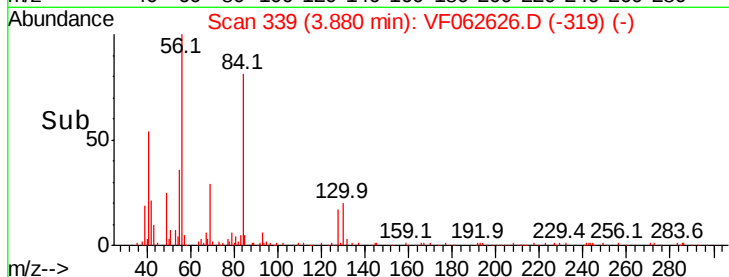
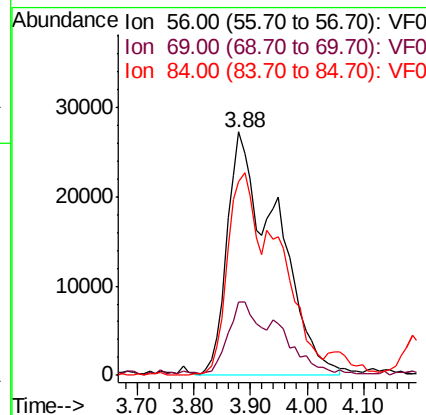
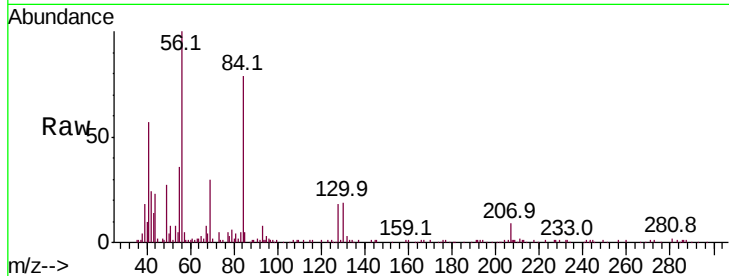
#31
Cyclohexane
Concen: 11.142 ug/l m
RT: 3.88 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.3	37.9
84	79.4	71.0	106.4

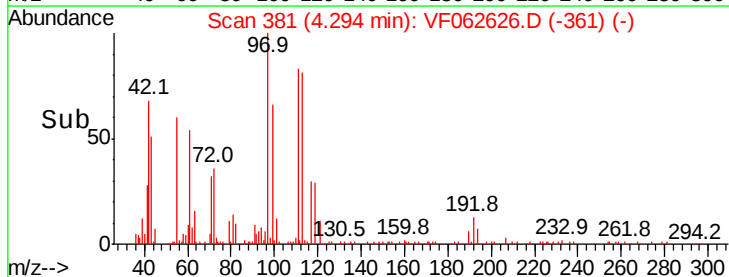
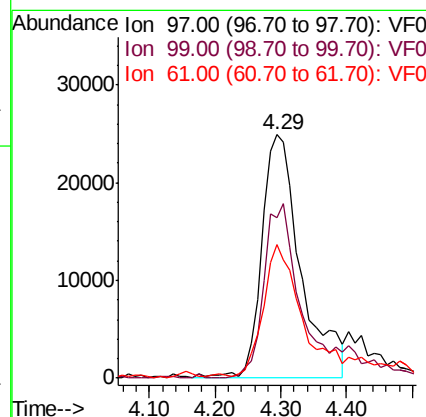
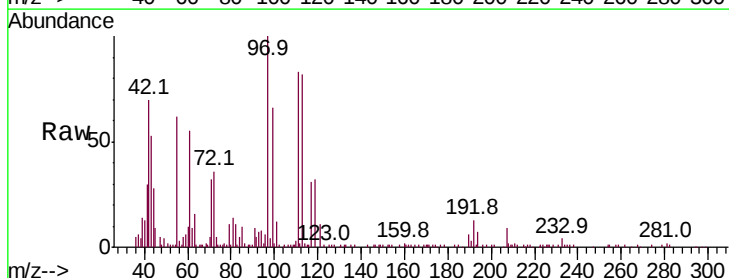
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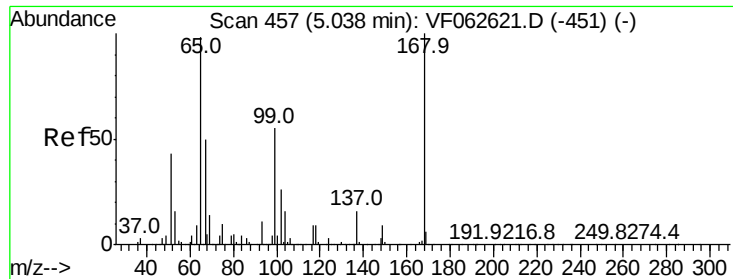
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#32
1,1,1-Trichloroethane
Concen: 9.477 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.3	76.9
61	54.8	38.2	57.2





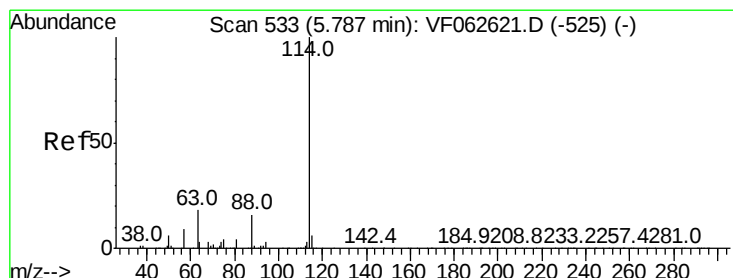
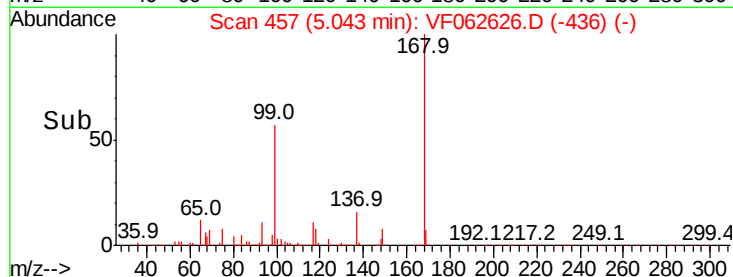
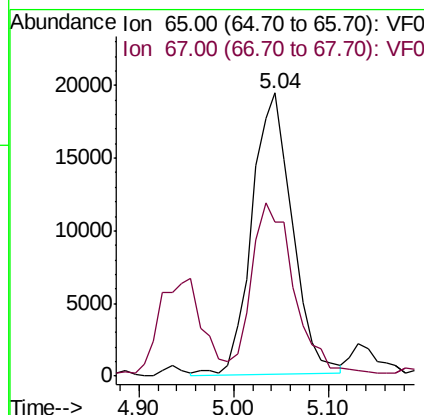
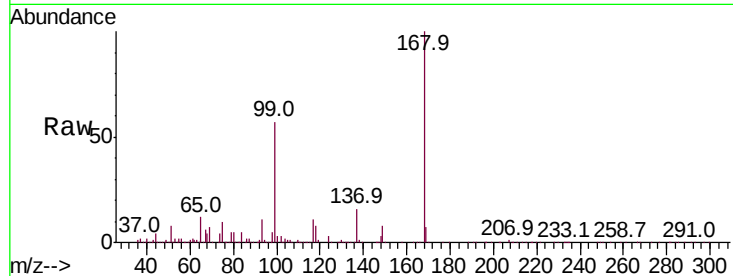
#33
 1,2-Dichloroethane-d4
 Concen: 10.063 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	117.6

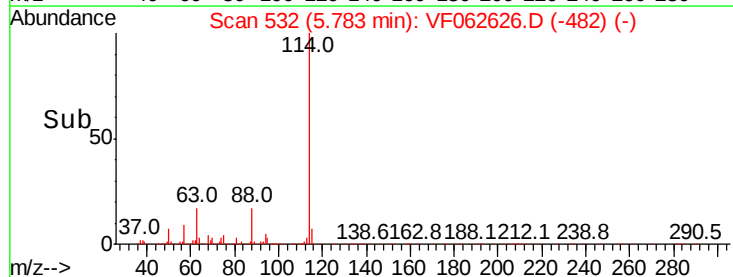
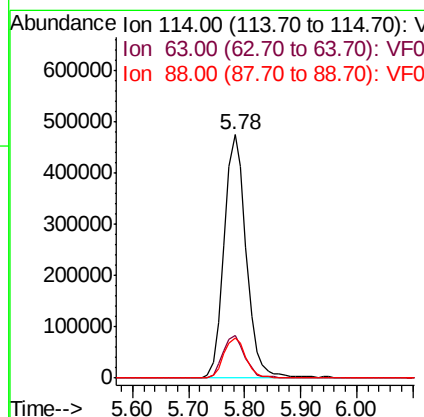
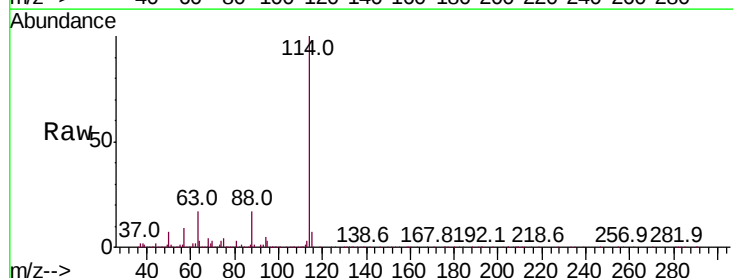
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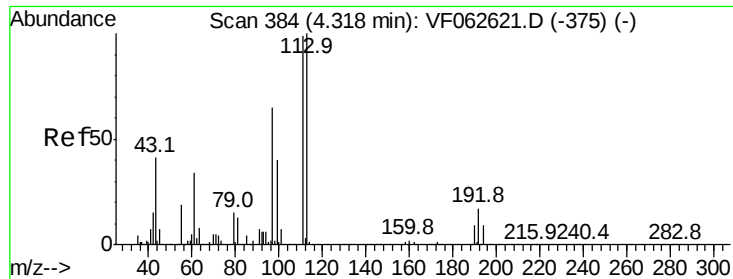
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.4
88	16.6	0.0	32.4





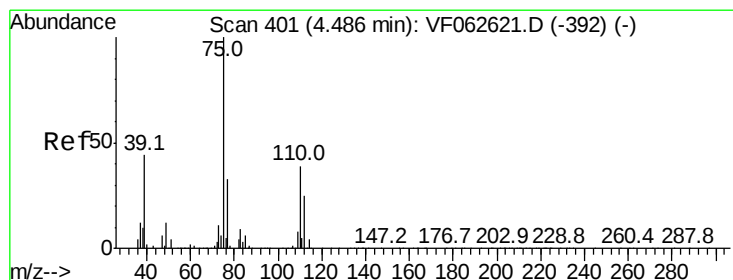
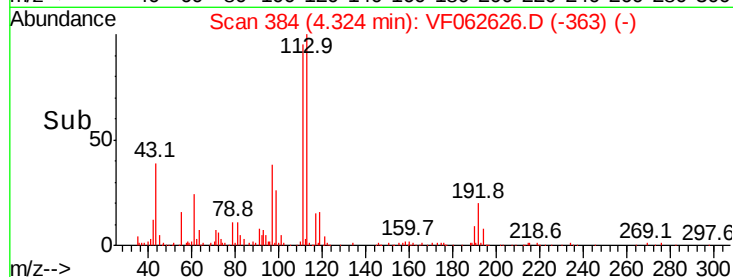
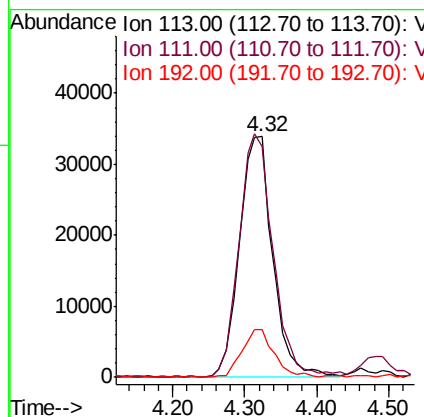
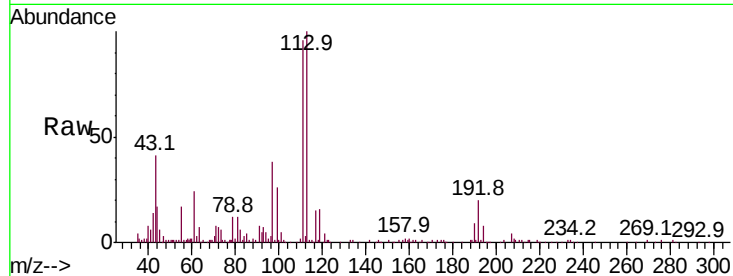
#35
 Dibromofluoromethane
 Concen: 10.925 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109495		
111	95.8		79.4	119.2
192	20.0		13.4	20.2

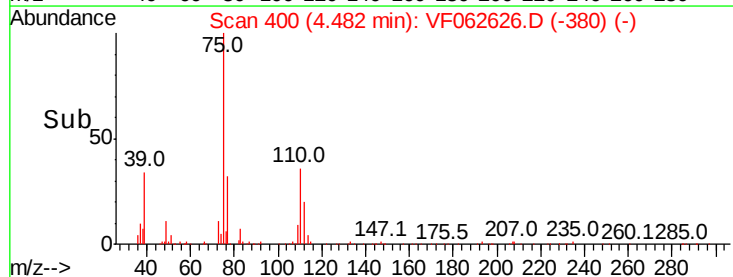
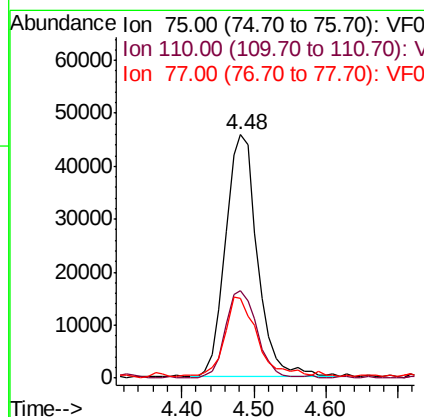
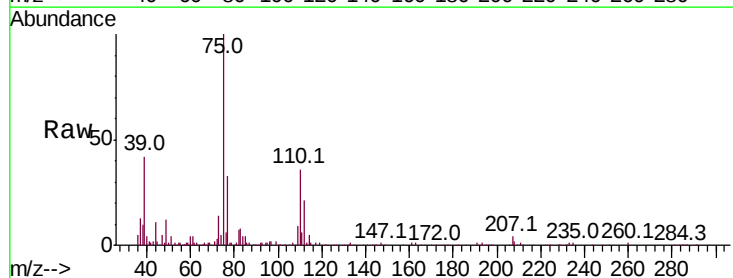
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 10.440 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140112		
110	36.1		19.7	59.1
77	33.0		26.3	39.5





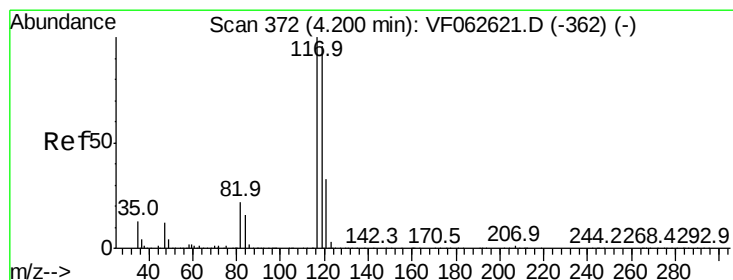
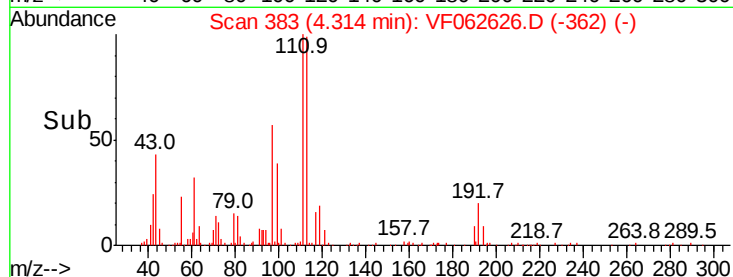
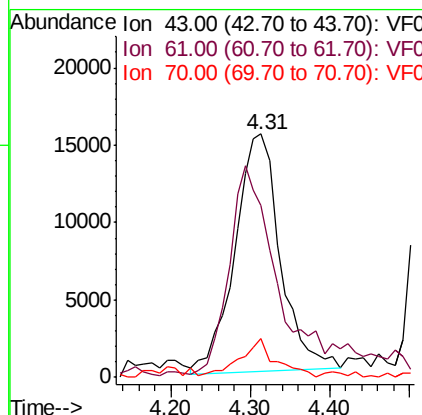
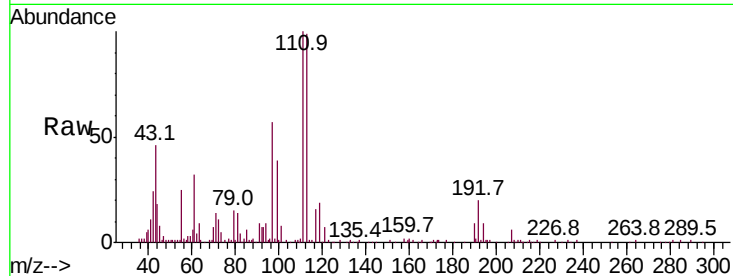
#37
Ethyl Acetate
Concen: 11.093 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	70.4	76.9	115.3#
70	16.1	8.8	13.2#

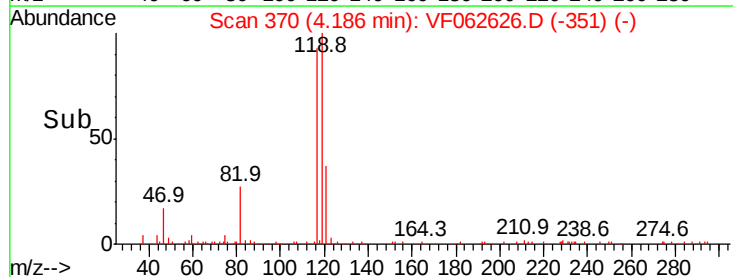
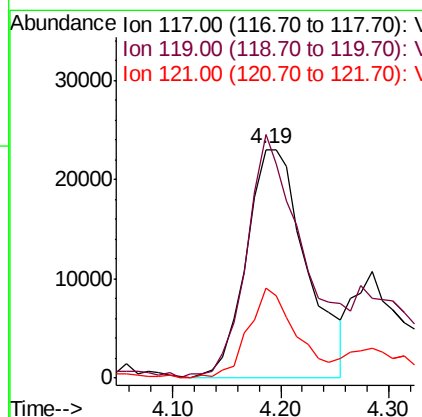
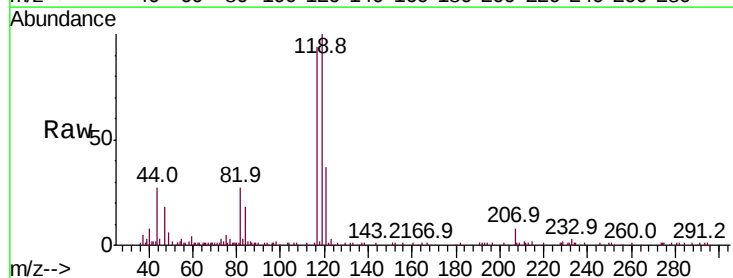
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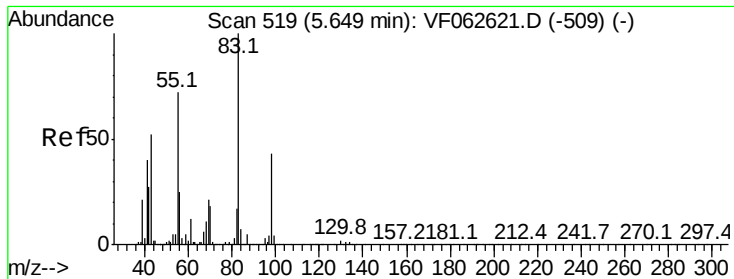
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#38
Carbon Tetrachloride
Concen: 9.431 ug/l
RT: 4.19 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	106.5	76.7	115.1
121	39.4	26.6	40.0





#39

Methylcyclohexane

Concen: 9.989 ug/l

RT: 5.64 min Scan# 518

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

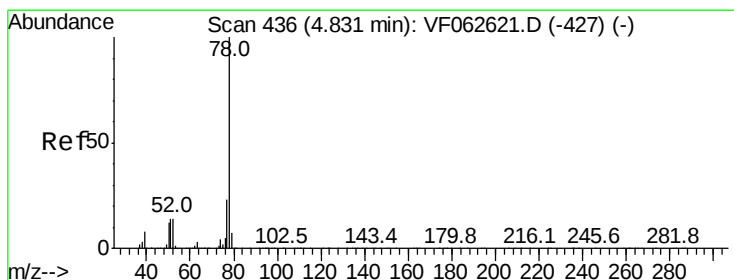
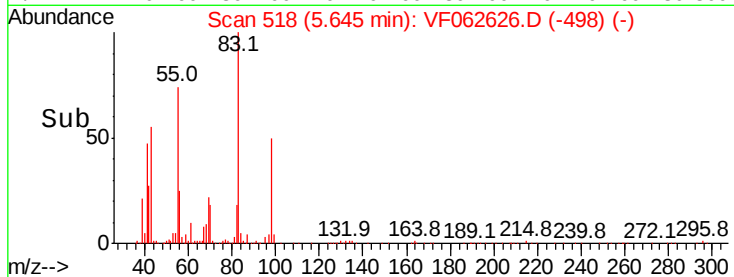
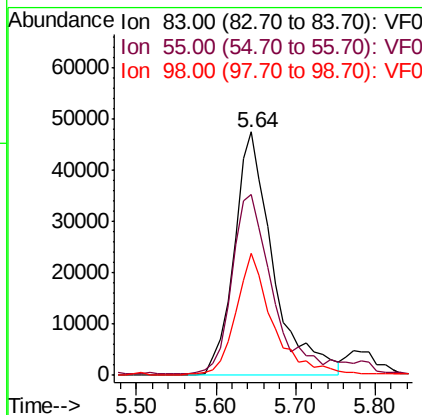
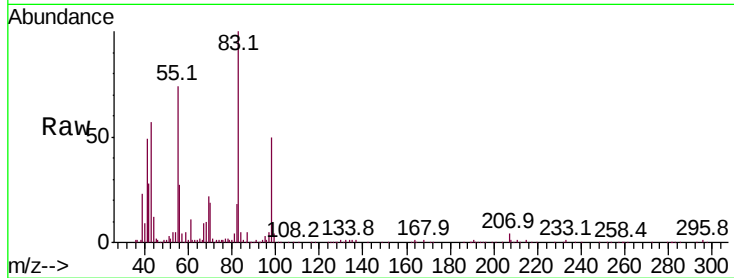
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	161310
Ion Ratio	Lower	Upper	
83	100		
55	74.4	57.9	86.9
98	49.9	34.6	52.0

Manual Integrations
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#40

Benzene

Concen: 10.333 ug/l

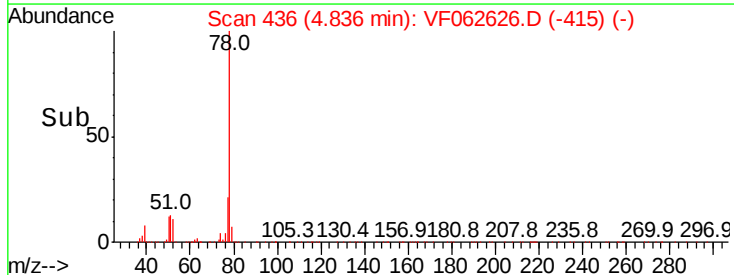
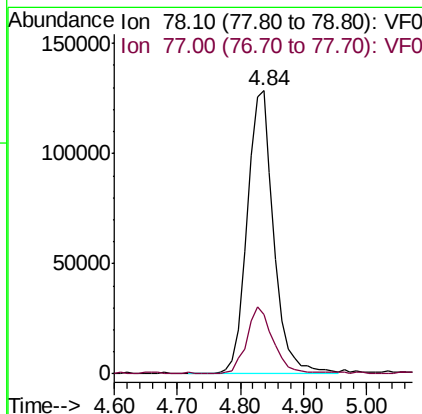
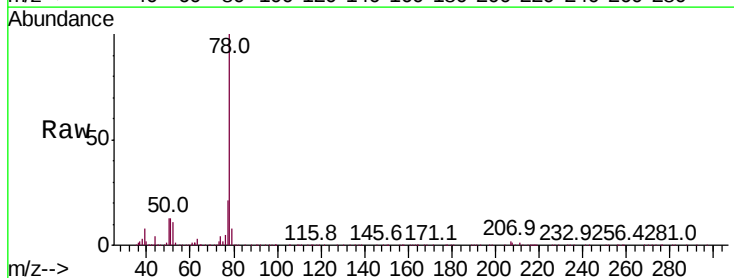
RT: 4.84 min Scan# 436

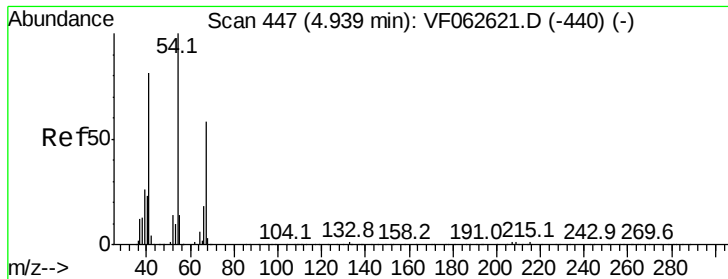
Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	78	Resp:	377813
Ion Ratio	Lower	Upper	
78	100		
77	21.1	18.2	27.2





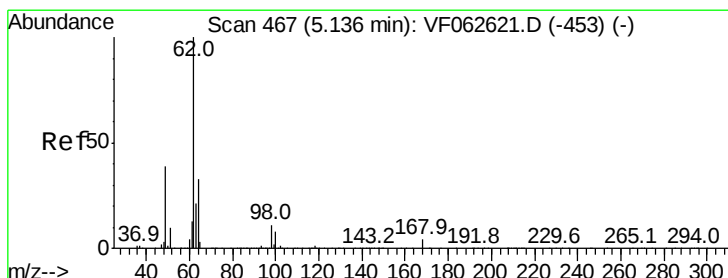
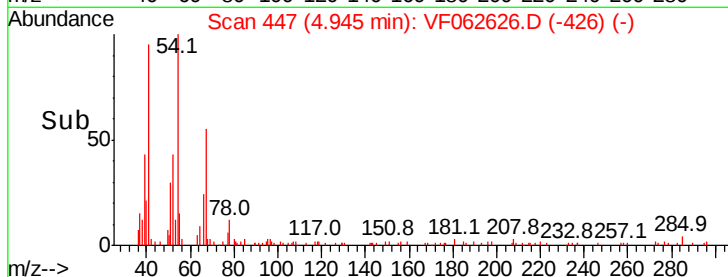
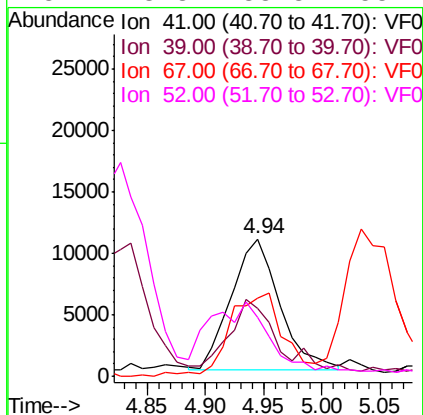
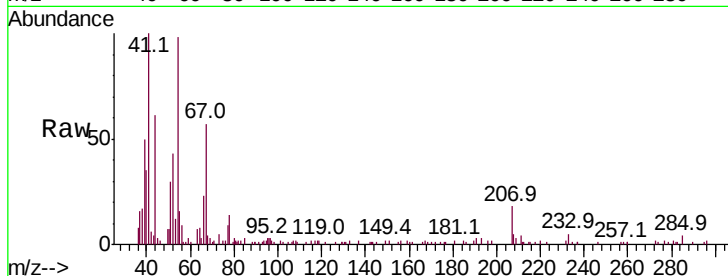
#41
Methacrylonitrile
Concen: 10.709 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.5	42.2	63.2
67	57.2	56.4	84.6
52	43.3	38.8	58.2

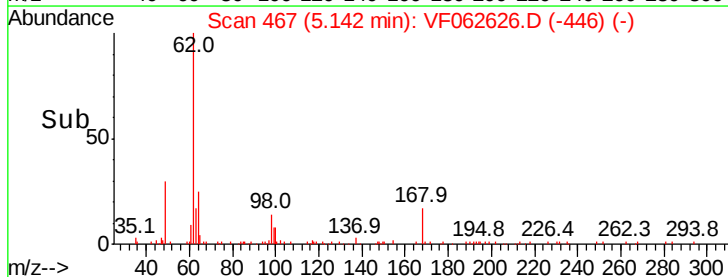
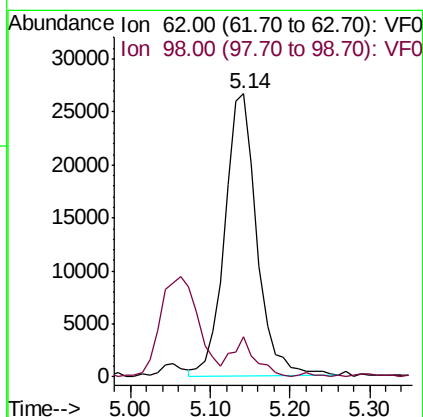
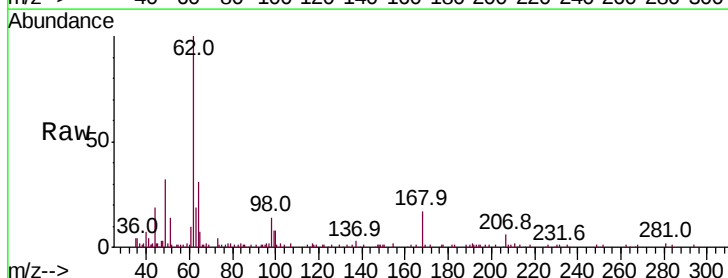
Manual Integrations
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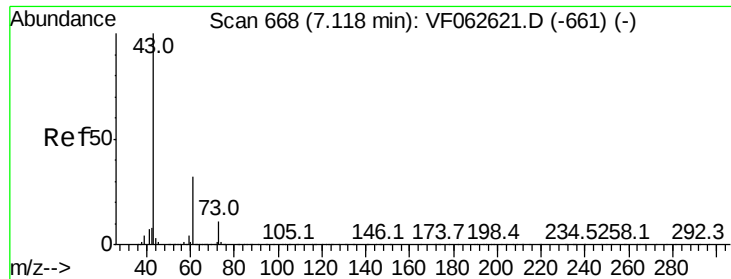
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#42
1,2-Dichloroethane
Concen: 10.331 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.0	0.0	21.6





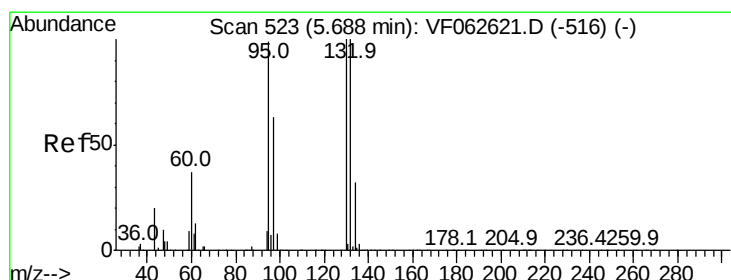
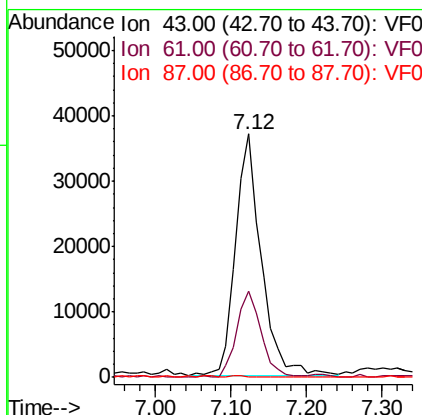
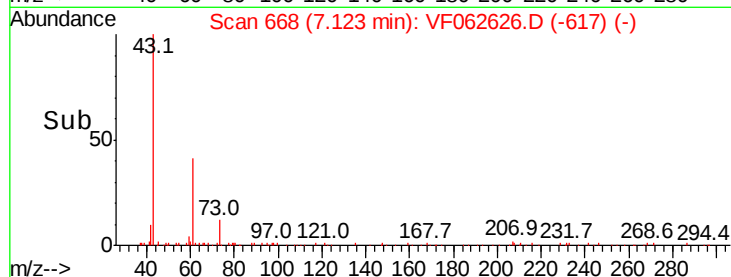
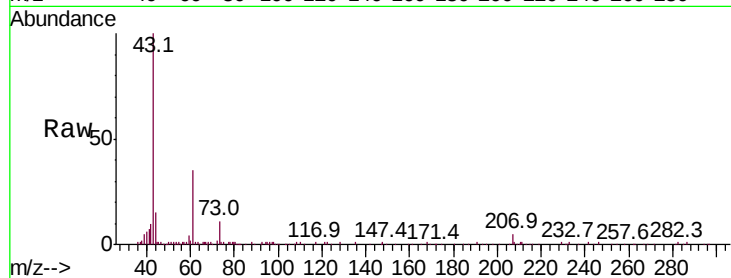
#43
Isopropyl Acetate
Concen: 12.241 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.3	25.8	38.8
87	0.0	0.4	0.6

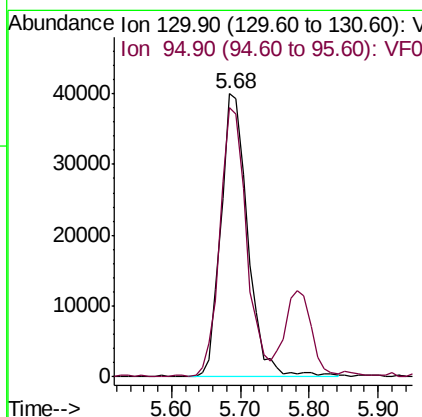
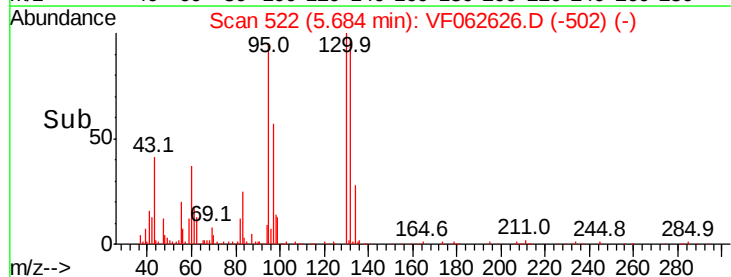
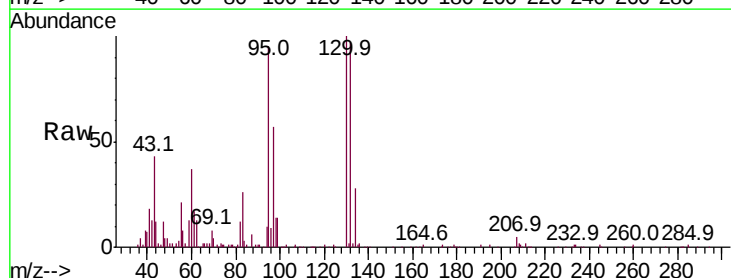
Manual Integrations
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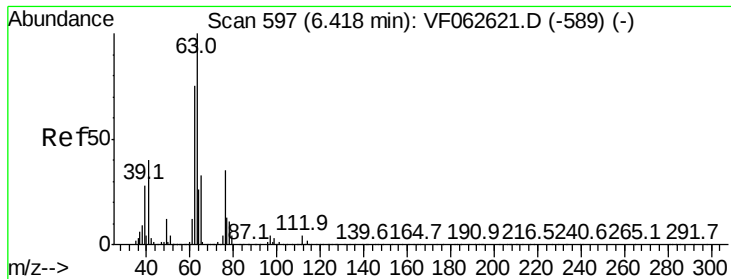
MMDadoda
5/17/2019 4:20:26 PM



#44
Trichloroethene
Concen: 10.573 ug/l
RT: 5.68 min Scan# 522
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	199.4





#45

1,2-Dichloropropane

Concen: 10.467 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 96610

Ion Ratio Lower Upper

63 100

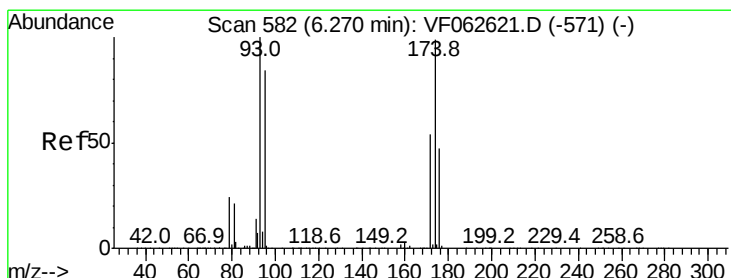
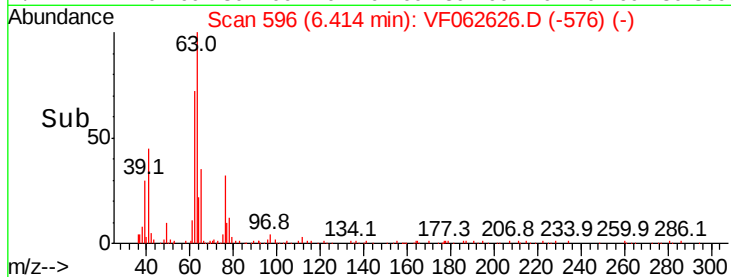
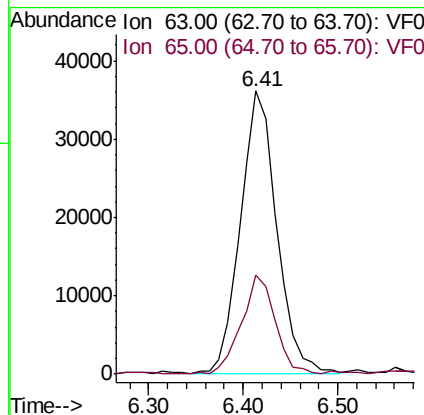
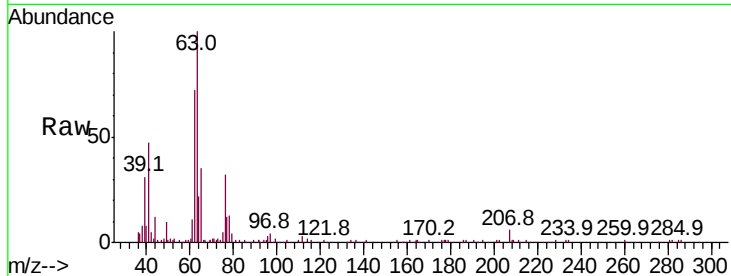
65 34.9 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 10.539 ug/l

RT: 6.27 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

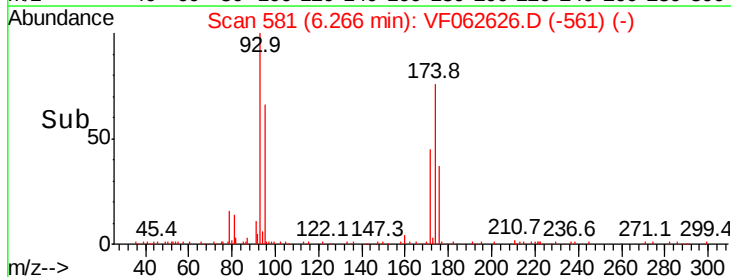
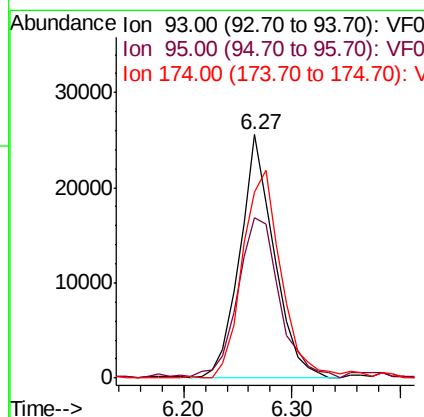
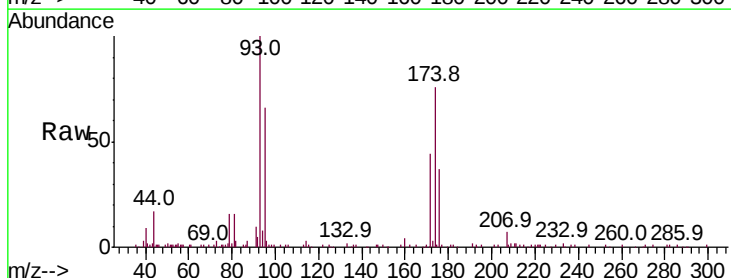
Tgt Ion: 93 Resp: 56214

Ion Ratio Lower Upper

93 100

95 65.7 67.4 101.2#

174 77.9 79.4 119.2#





#47

Bromodichloromethane

Concen: 9.615 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

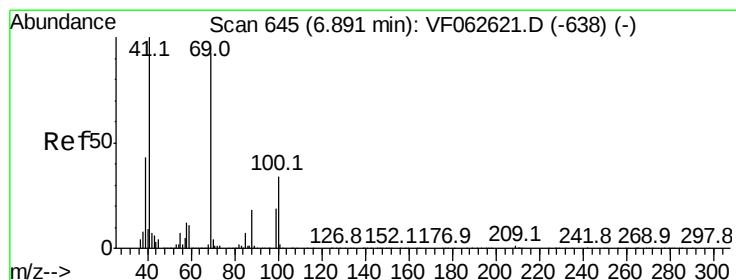
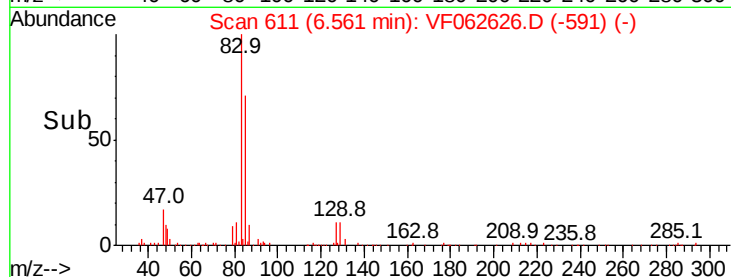
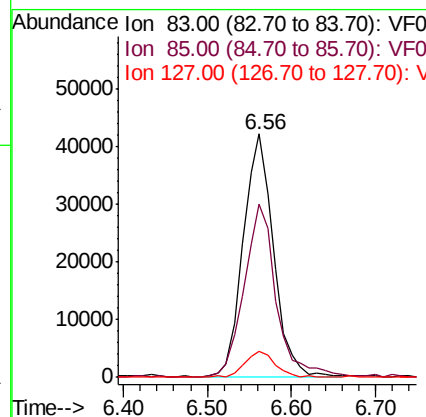
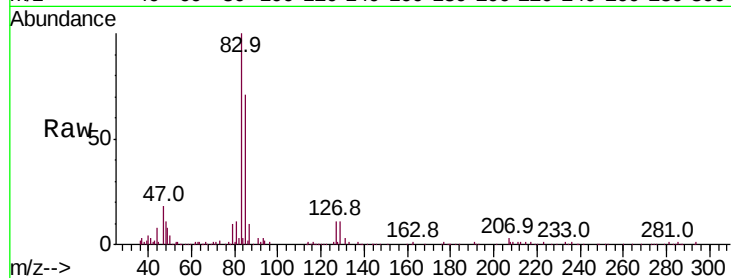
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	106468
Ion Ratio	Lower	Upper	
83	100		
85	71.2	52.0	78.0
127	10.7	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 11.082 ug/l

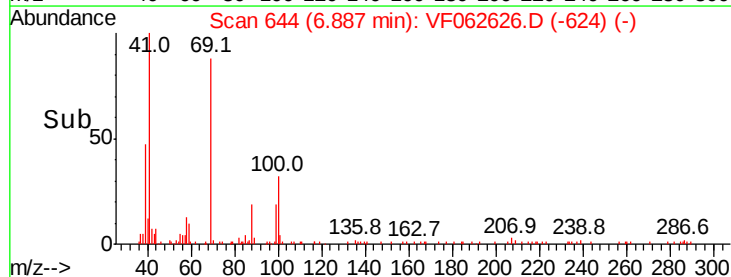
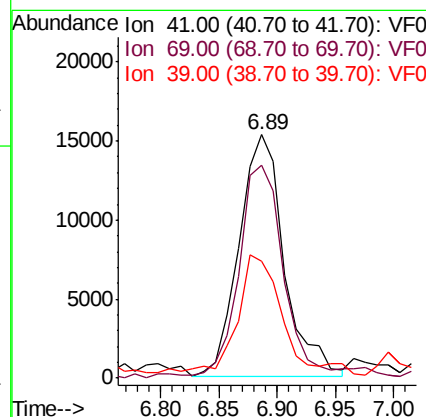
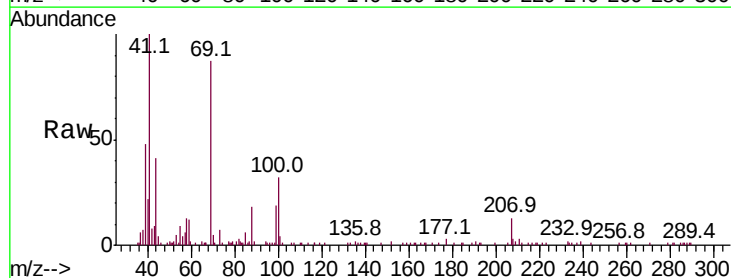
RT: 6.89 min Scan# 644

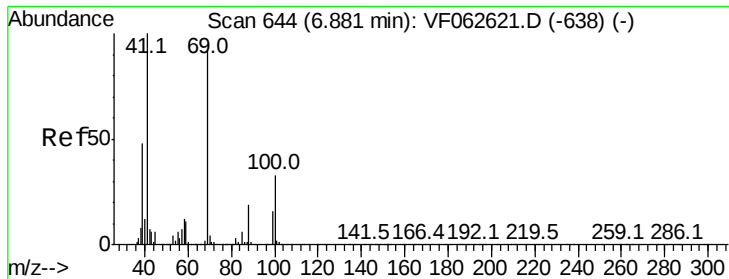
Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	41	Resp:	41120
Ion Ratio	Lower	Upper	
41	100		
69	87.4	74.2	111.2
39	48.2	34.2	51.4





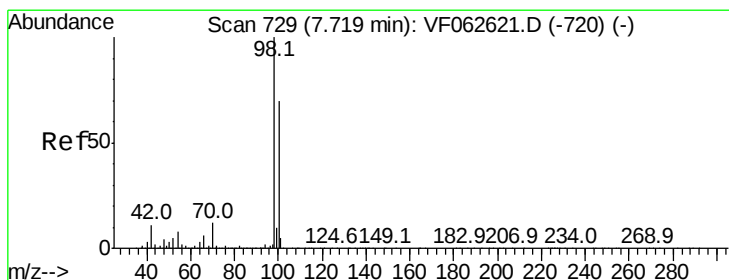
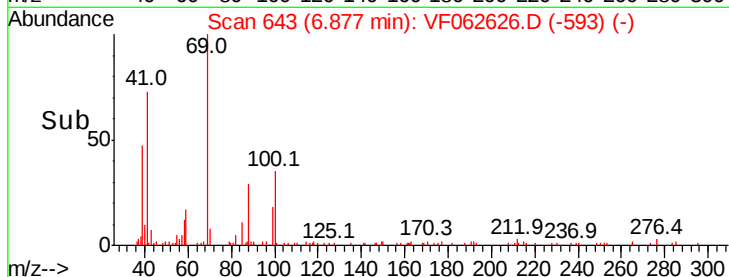
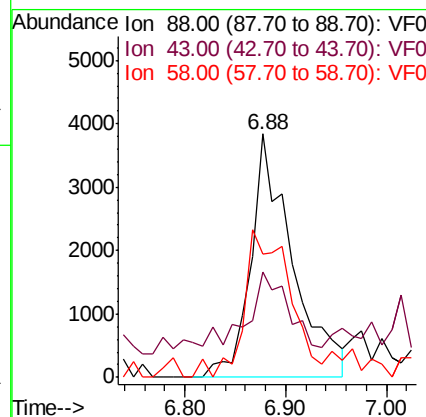
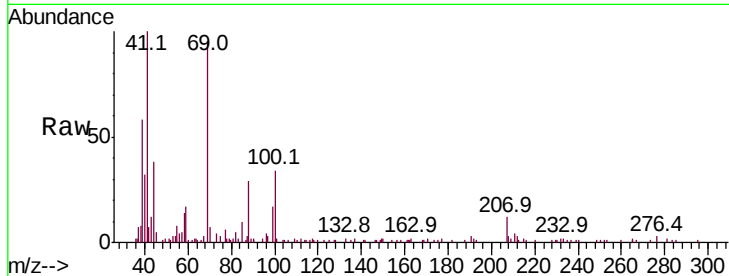
#49
1,4-Dioxane
Concen: 231.706 ug/l
RT: 6.88 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.3	30.0	45.0
58	50.4	51.1	76.7#

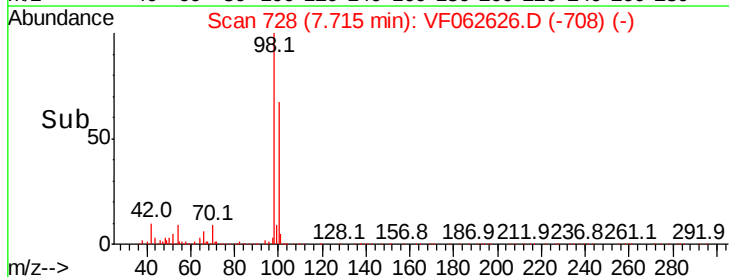
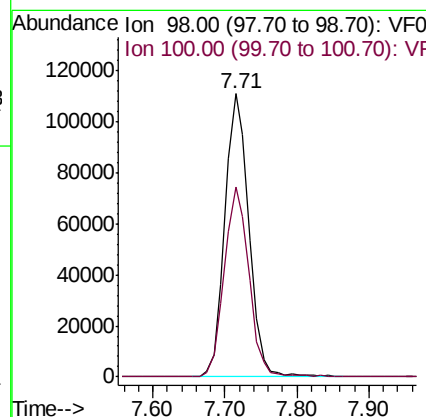
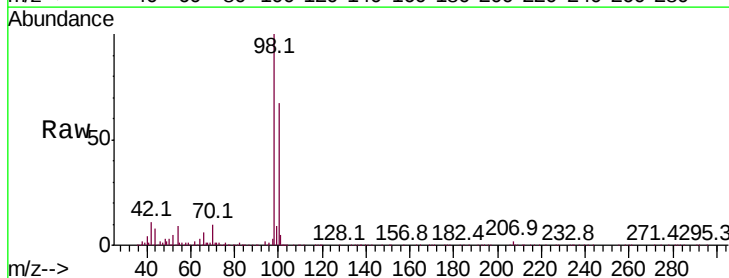
Manual Integrations
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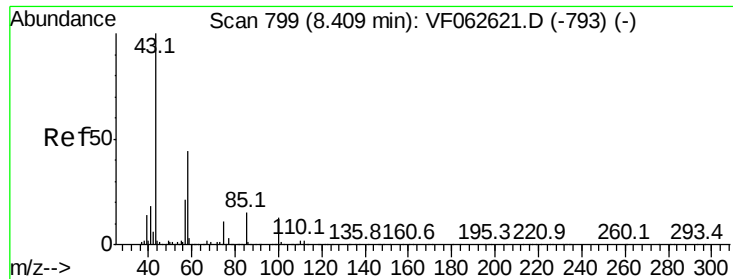
MMDadoda
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#50
Toluene-d8
Concen: 10.633 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 64.114 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 311119

Ion Ratio Lower Upper

43 100

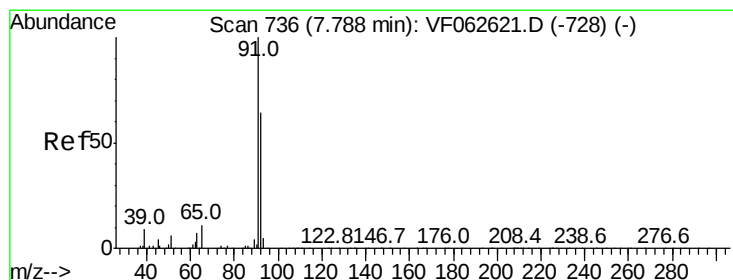
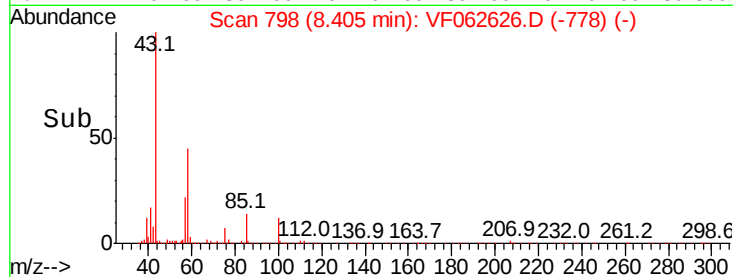
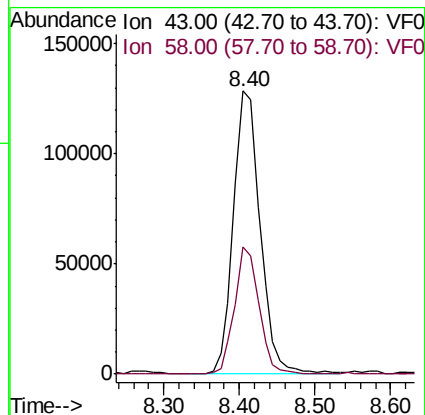
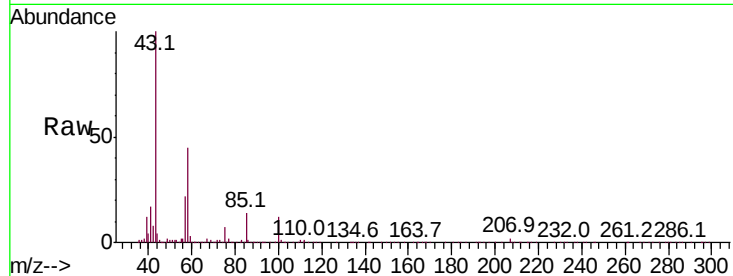
58 44.7 34.9 52.3

Manual Integrations

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#52

Toluene

Concen: 9.901 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062626.D

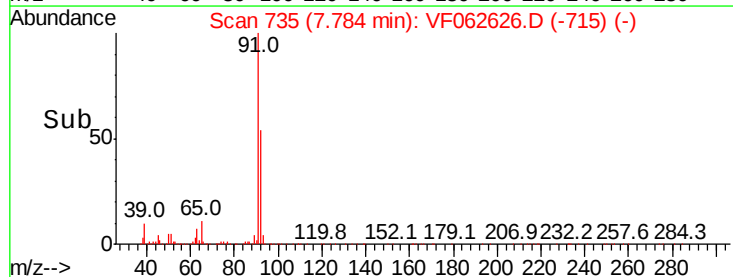
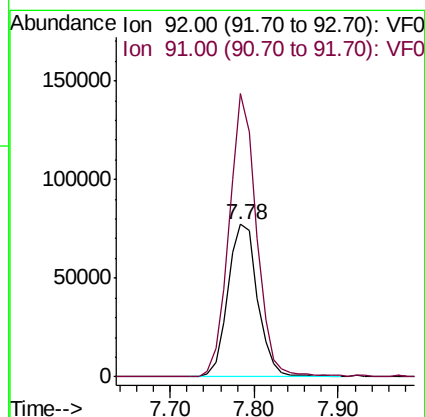
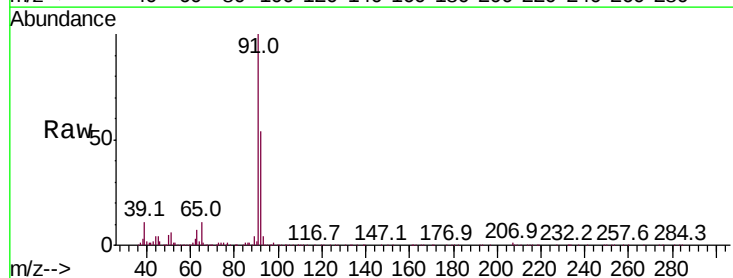
Acq: 16 May 2019 15:00

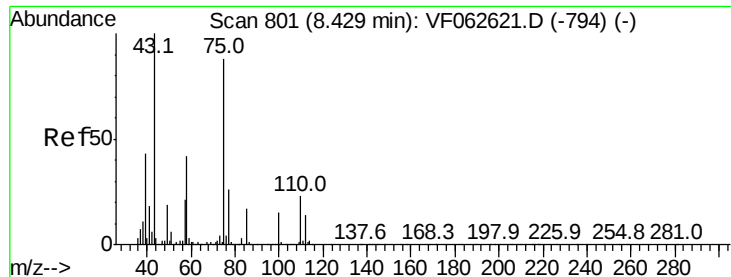
Tgt Ion: 92 Resp: 189854

Ion Ratio Lower Upper

92 100

91 185.5 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 10.449 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 94664

Ion Ratio Lower Upper

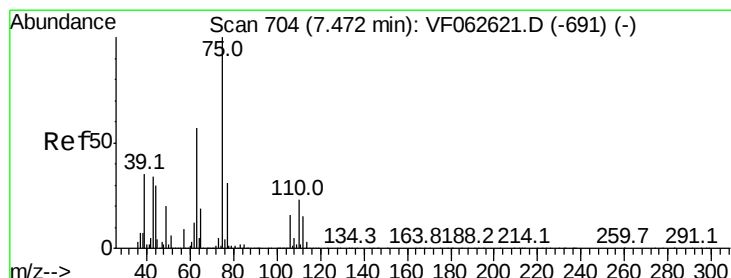
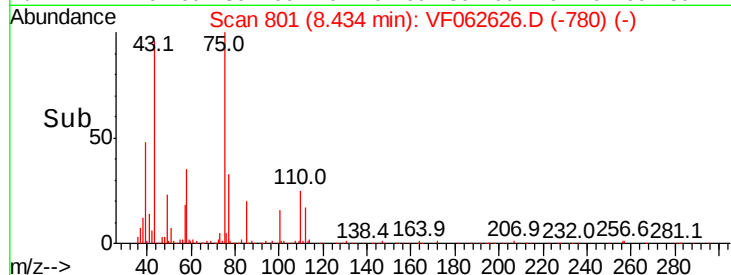
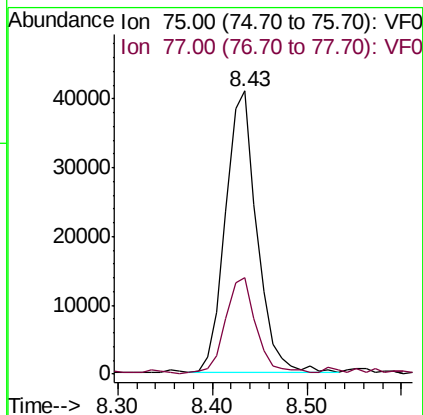
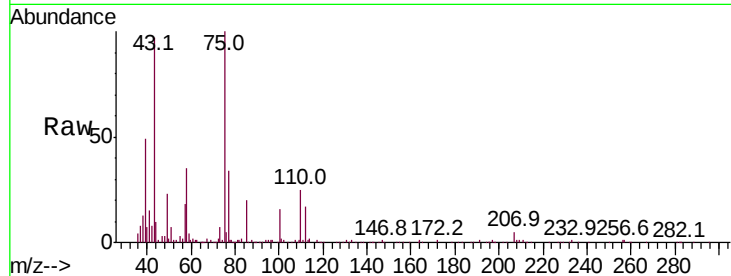
75 100

77 33.9 24.2 36.4

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 10.348 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

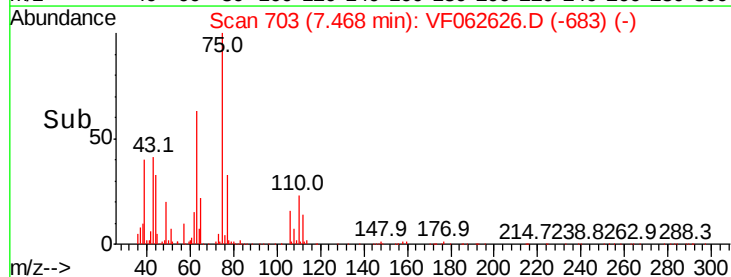
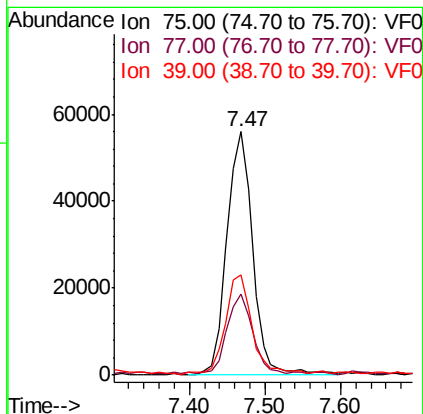
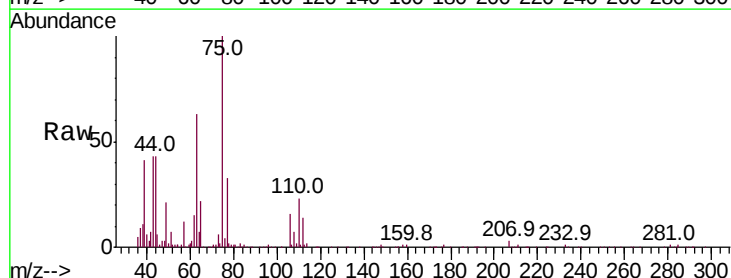
Tgt Ion: 75 Resp: 131230

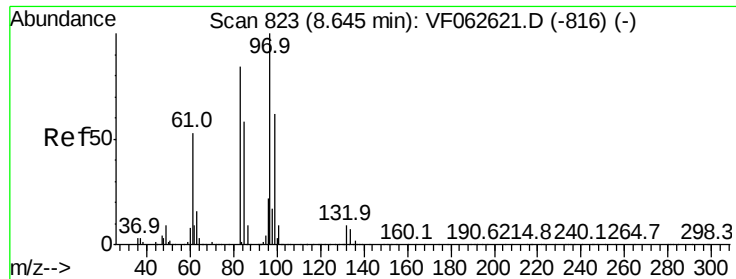
Ion Ratio Lower Upper

75 100

77 33.3 25.3 37.9

39 41.3 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 10.266 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

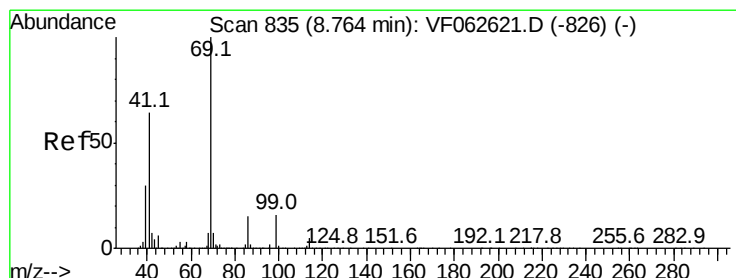
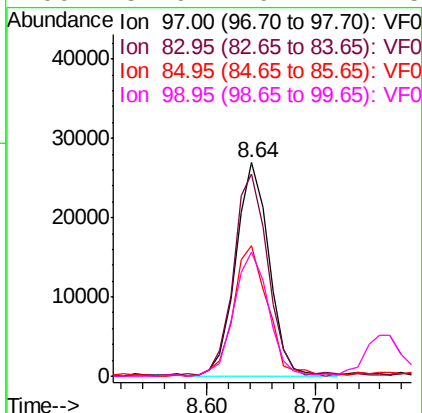
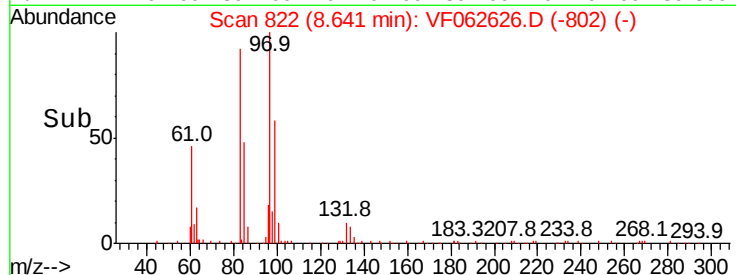
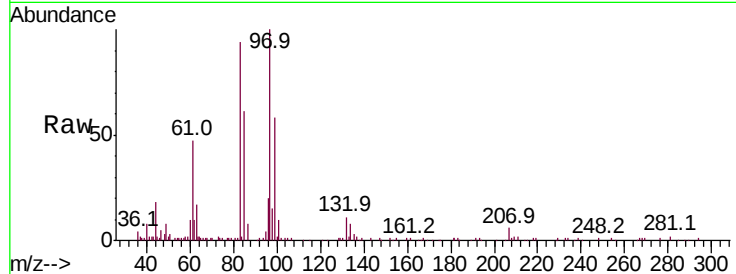
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
97	100	58282		
83	94.5	67.3	100.9	
85	61.3	46.6	69.8	
99	57.9	49.7	74.5	

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#56

Ethyl methacrylate

Concen: 11.751 ug/l

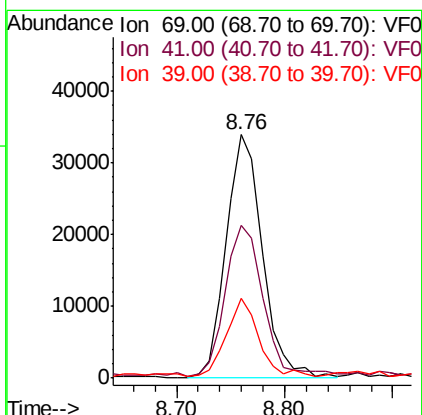
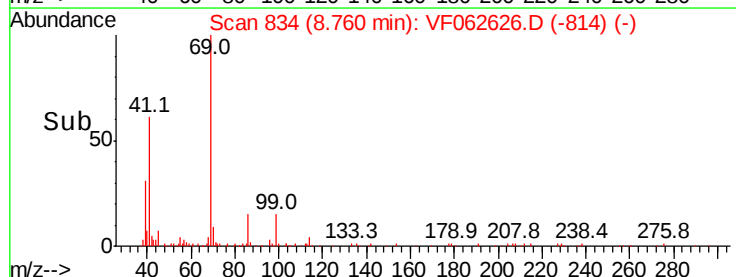
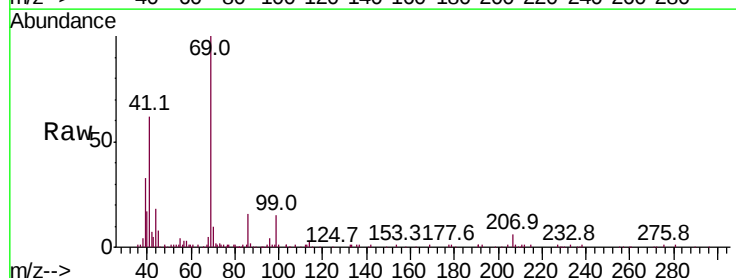
RT: 8.76 min Scan# 834

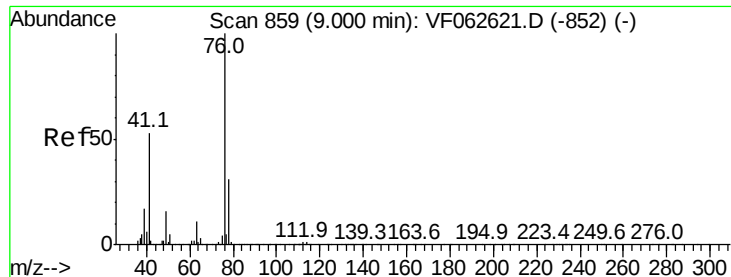
Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	79480		
41	62.5	51.4	77.2	
39	33.0	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 10.362 ug/l

RT: 9.01 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 100202

Ion Ratio Lower Upper

76 100

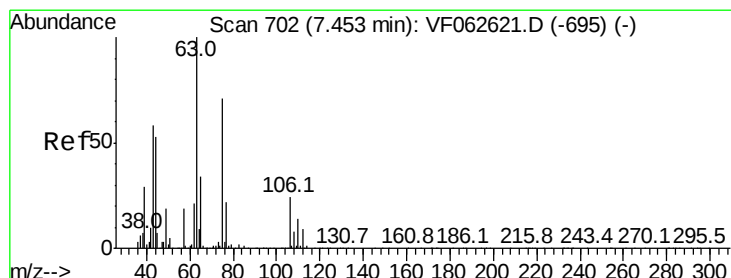
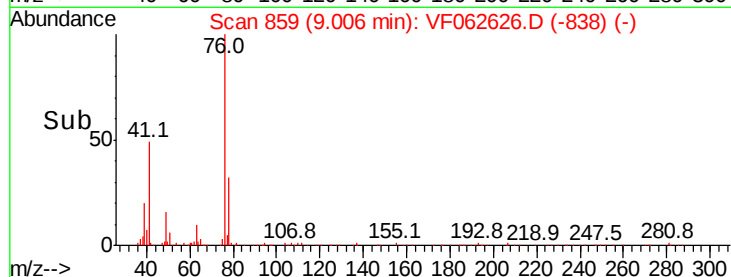
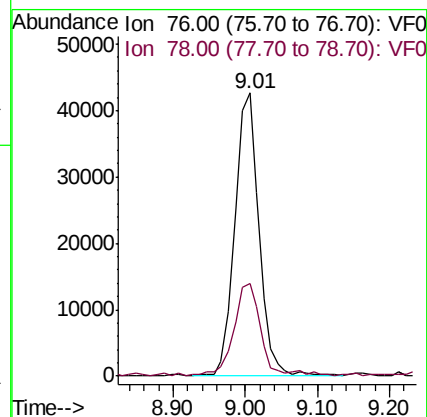
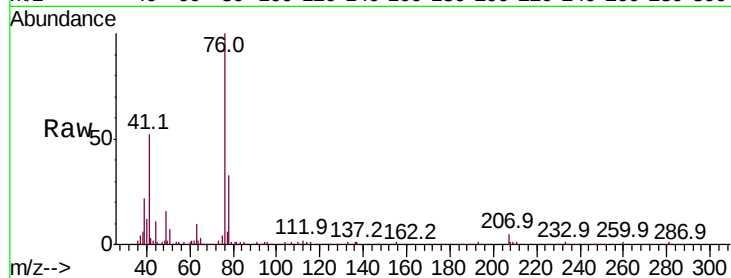
78 32.5 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 52.868 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062626.D

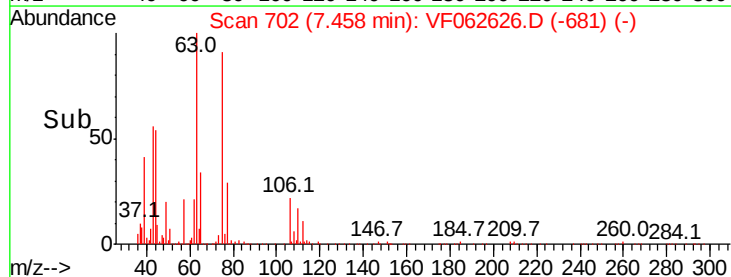
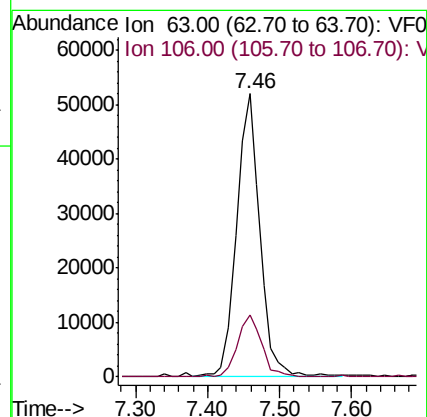
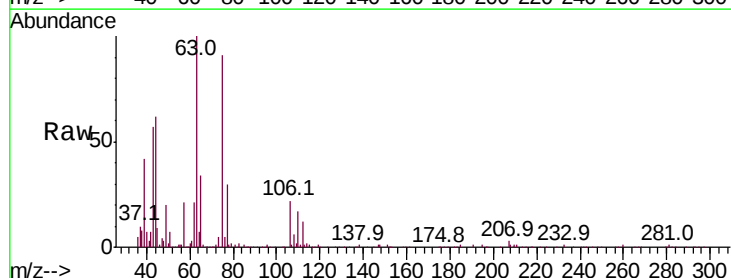
Acq: 16 May 2019 15:00

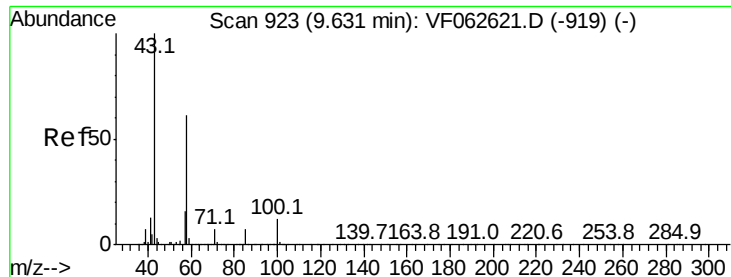
Tgt Ion: 63 Resp: 116397

Ion Ratio Lower Upper

63 100

106 21.9 19.1 28.7





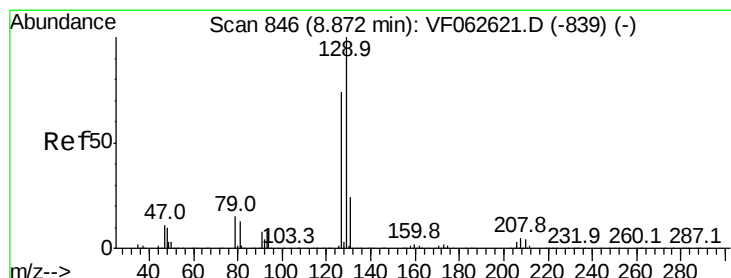
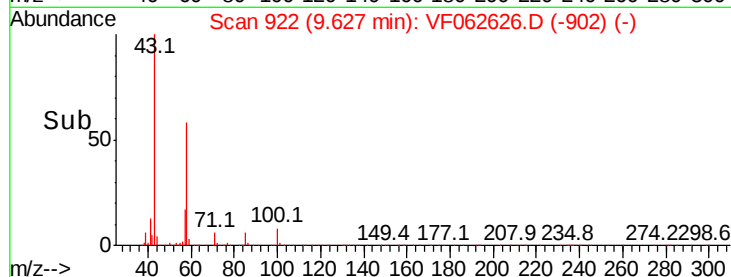
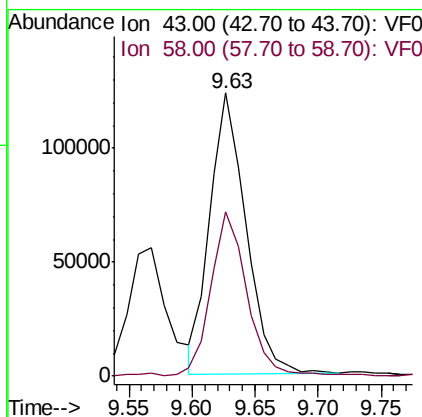
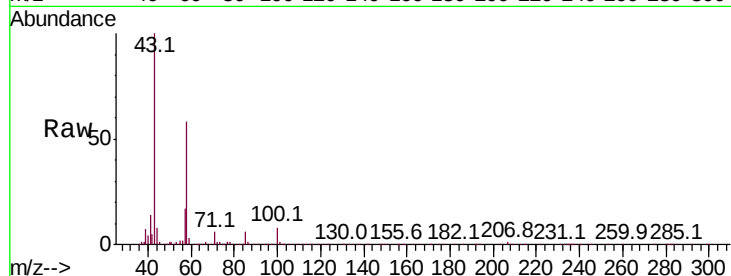
#59
2-Hexanone
Concen: 69.539 ug/l
RT: 9.63 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 246720
Ion Ratio Lower Upper
43 100
58 57.9 28.1 84.4

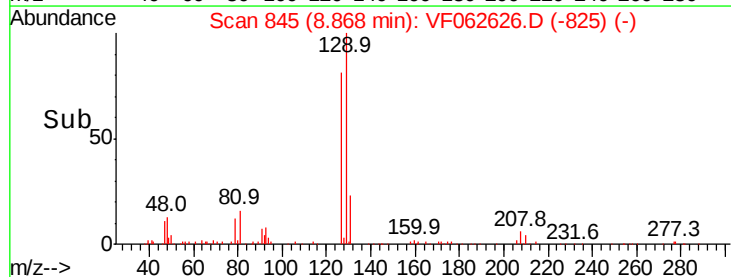
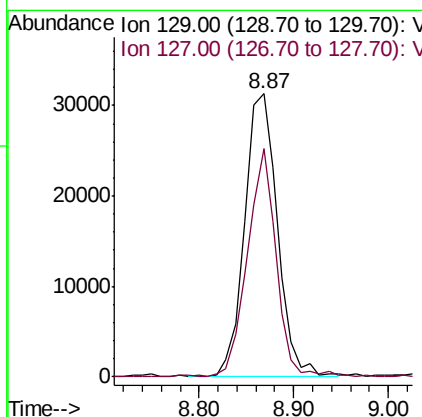
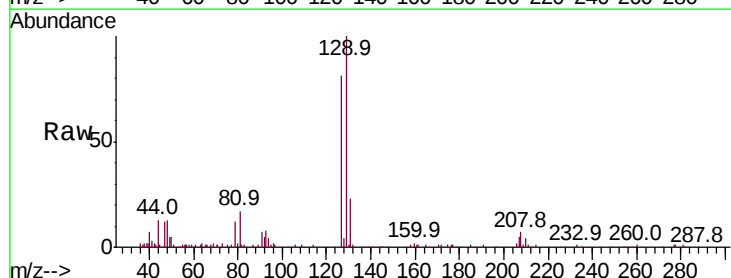
Manual Integrations
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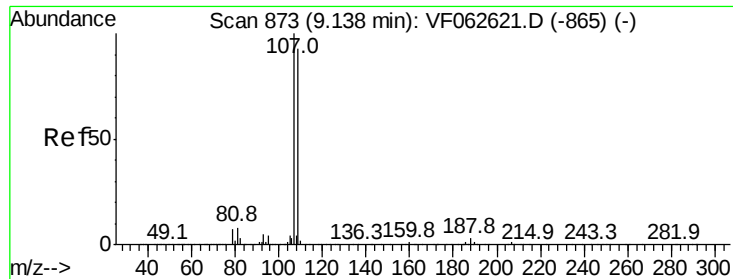
MMDadoda
5/17/2019 4:20:26 PM



#60
Dibromochloromethane
Concen: 10.230 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion: 129 Resp: 75699
Ion Ratio Lower Upper
129 100
127 80.6 37.2 111.6





#61

1,2-Dibromoethane

Concen: 10.001 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 60307

Ion Ratio Lower Upper

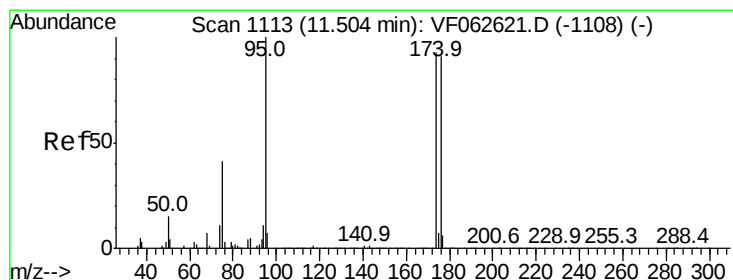
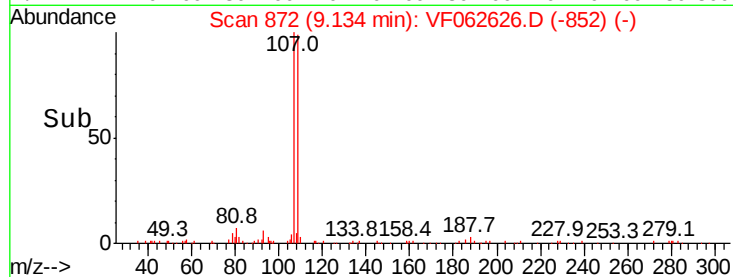
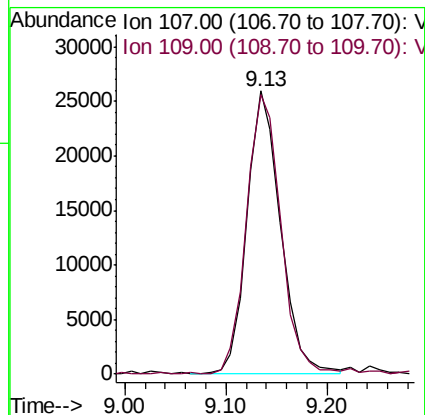
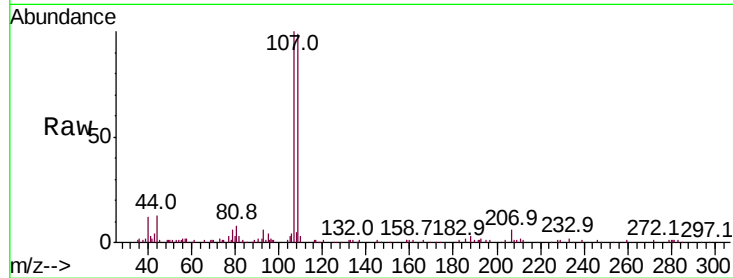
107 100

109 99.0 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 10.633 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

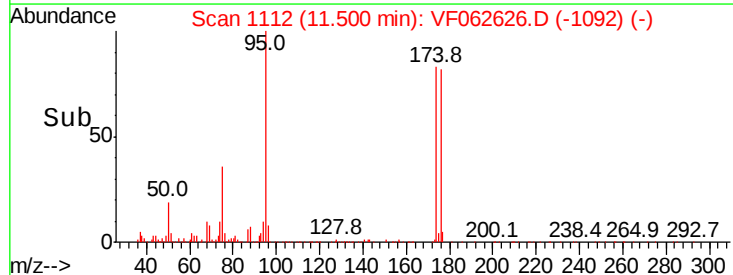
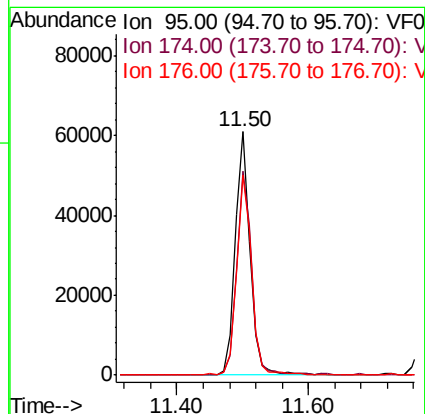
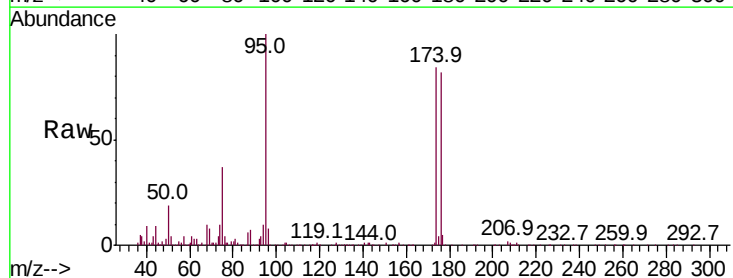
Tgt Ion: 95 Resp: 96502

Ion Ratio Lower Upper

95 100

174 83.8 0.0 185.6

176 82.4 0.0 182.4





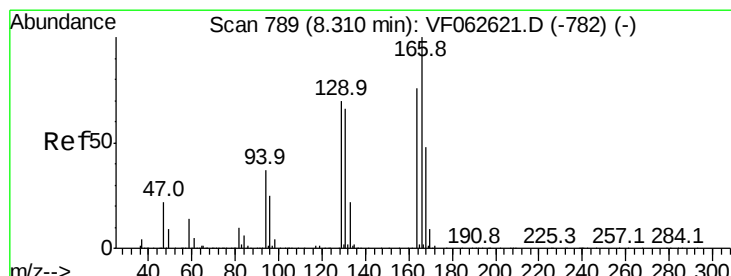
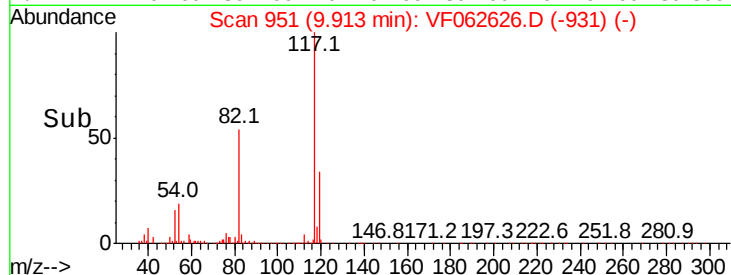
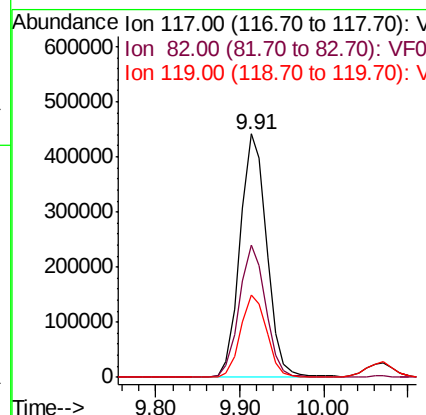
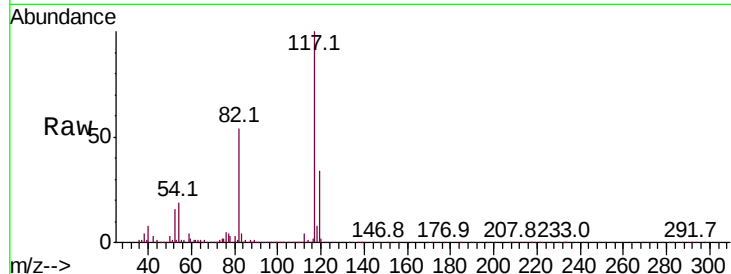
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.1	43.3	64.9
119	34.0	27.4	41.0

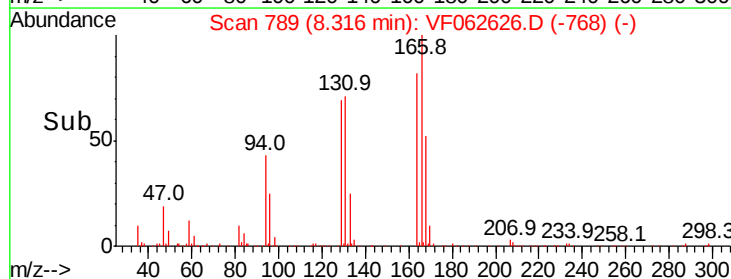
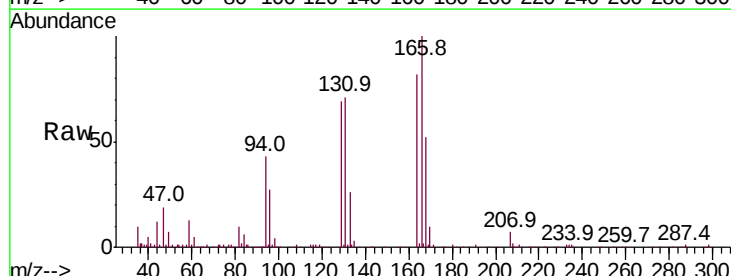
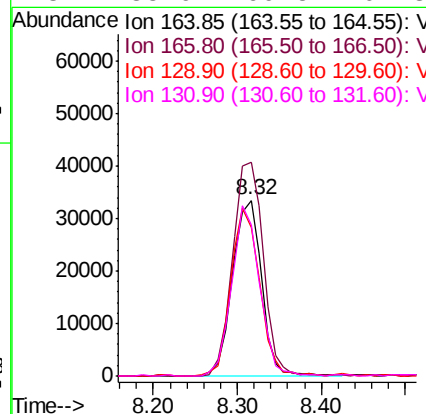
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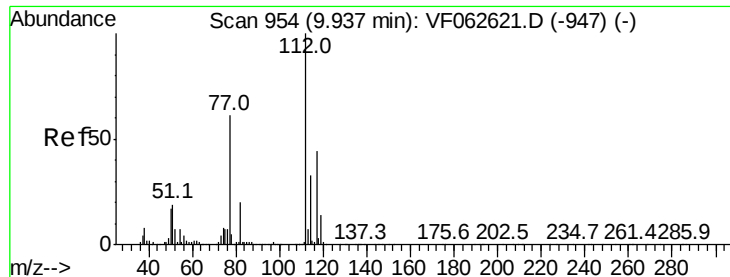
MMDadoda
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#64
Tetrachloroethene
Concen: 10.352 ug/l
RT: 8.32 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	121.7	105.5	158.3
129	84.4	73.8	110.6
131	85.9	69.5	104.3





#65

Chlorobenzene

Concen: 10.321 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 198765

Ion Ratio Lower Upper

112 100

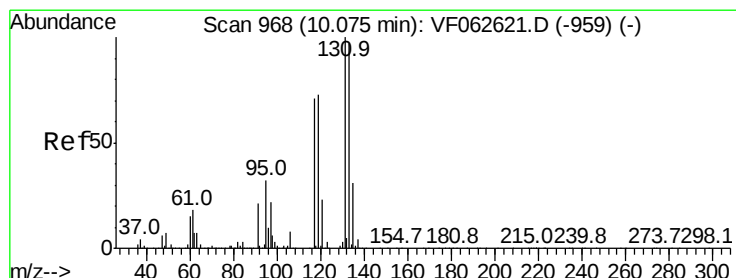
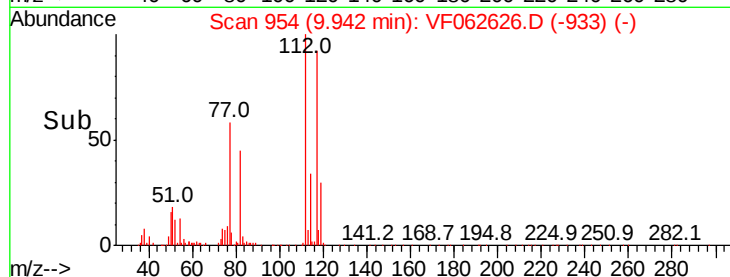
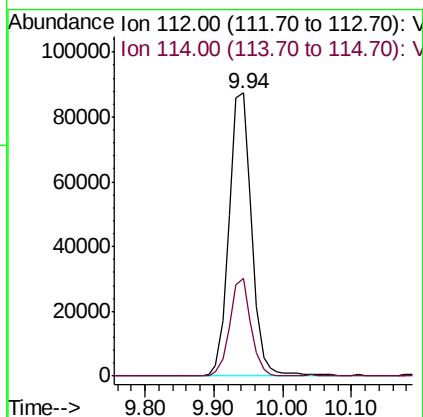
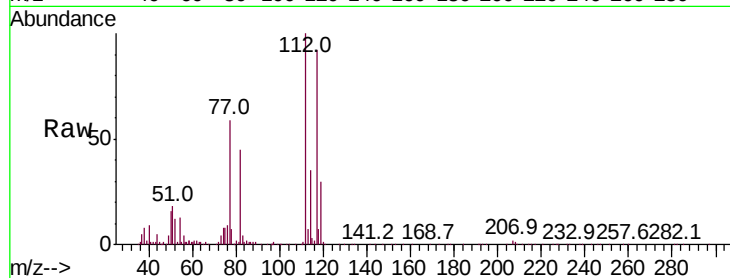
114 34.5 26.8 40.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 10.666 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

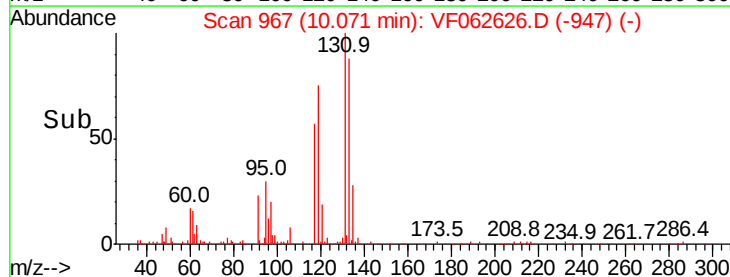
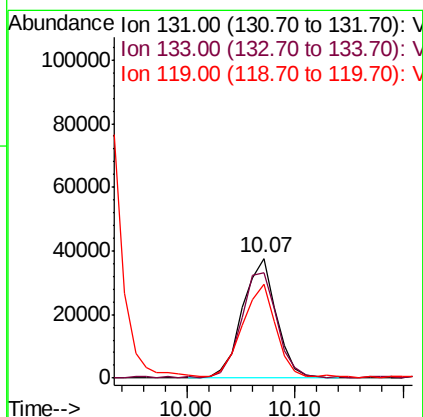
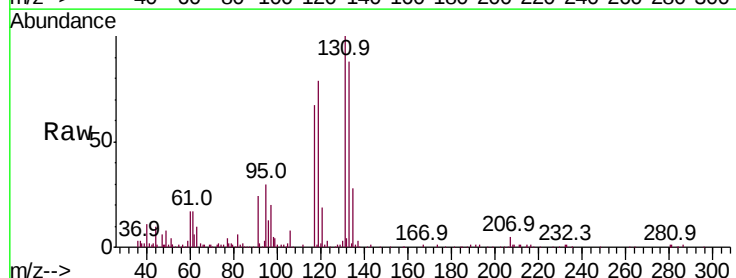
Tgt Ion:131 Resp: 82461

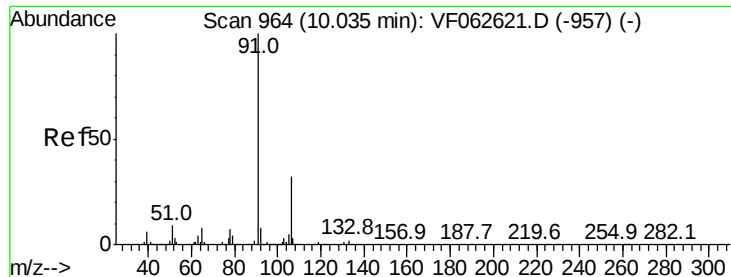
Ion Ratio Lower Upper

131 100

133 88.2 48.5 145.5

119 78.9 36.8 110.4





#67

Ethyl Benzene

Concen: 10.670 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 356995

Ion Ratio Lower Upper

91 100

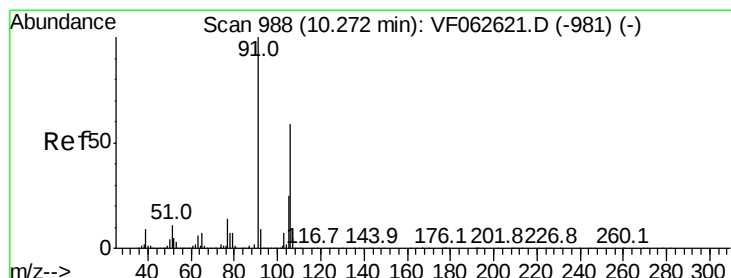
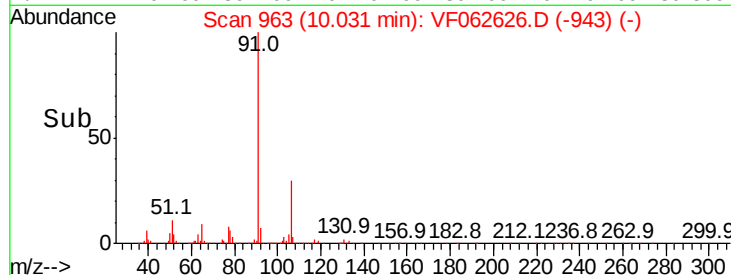
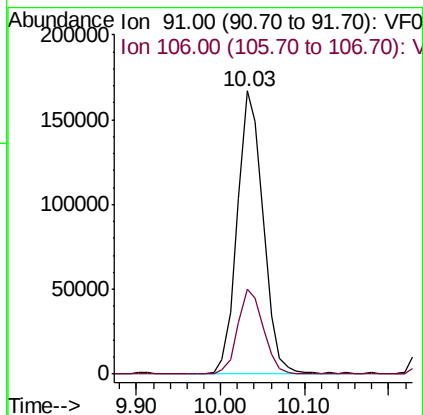
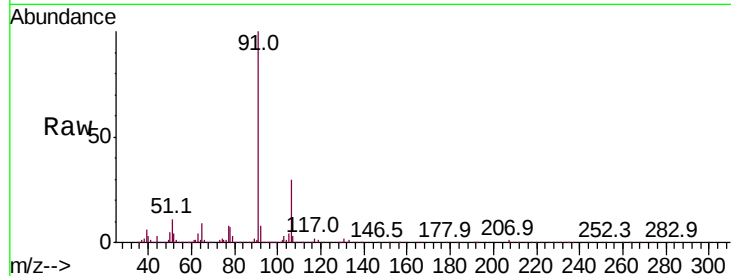
106 30.0 25.8 38.8

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#68

m/p-Xylenes

Concen: 20.583 ug/l

RT: 10.27 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF062626.D

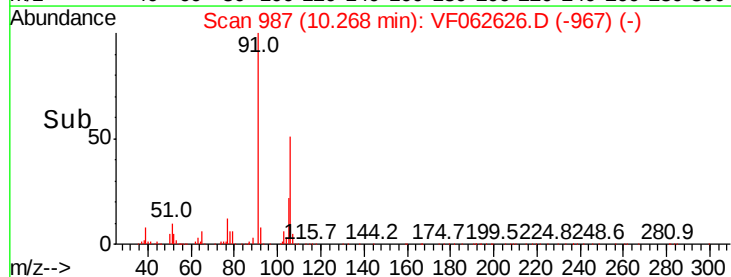
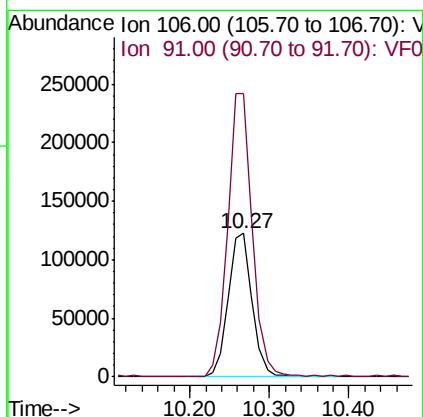
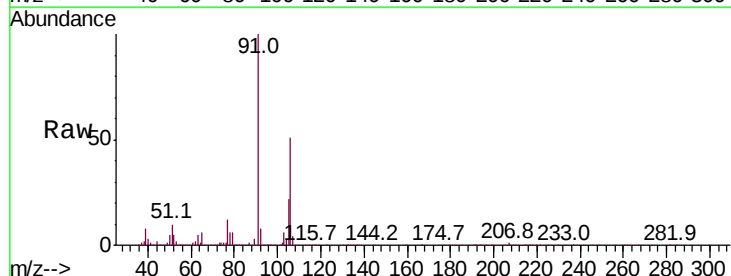
Acq: 16 May 2019 15:00

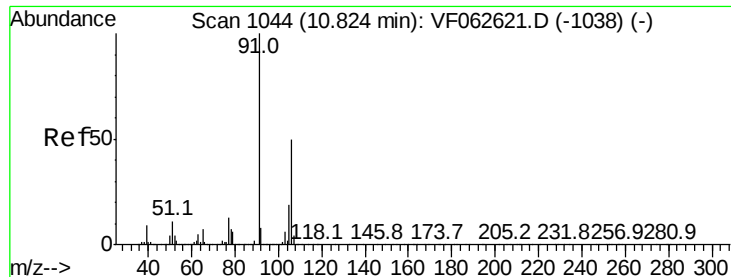
Tgt Ion: 106 Resp: 258818

Ion Ratio Lower Upper

106 100

91 197.6 136.9 205.3





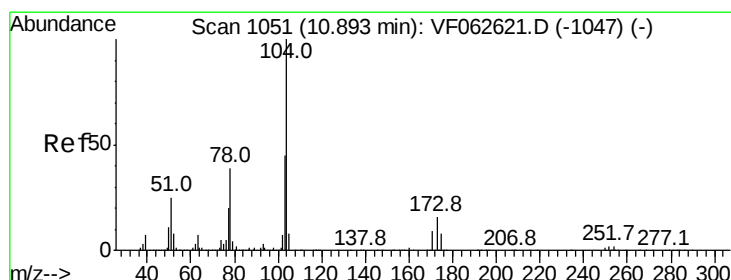
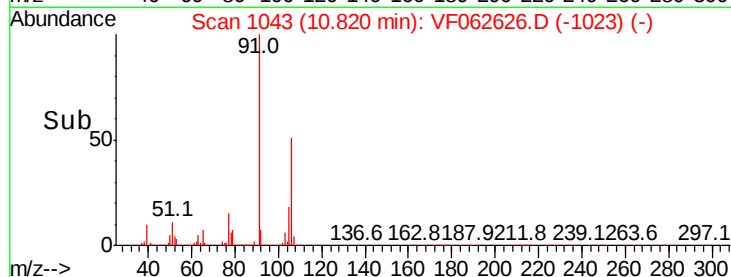
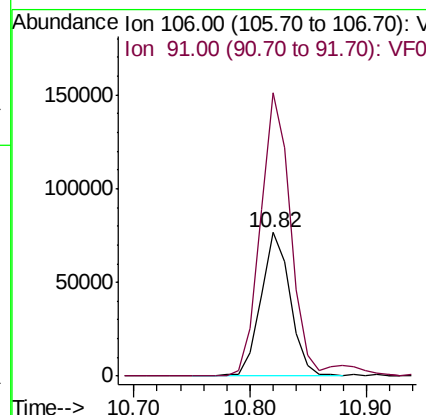
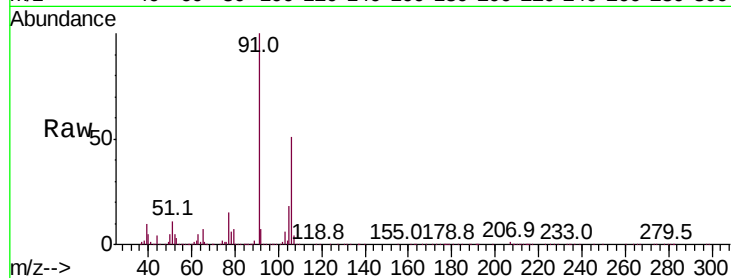
#69
o-Xylene
Concen: 10.351 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	197.1	100.2	300.5

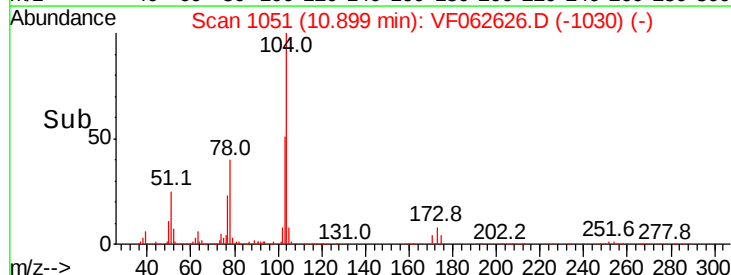
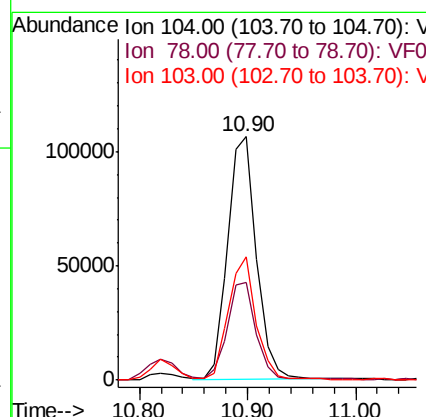
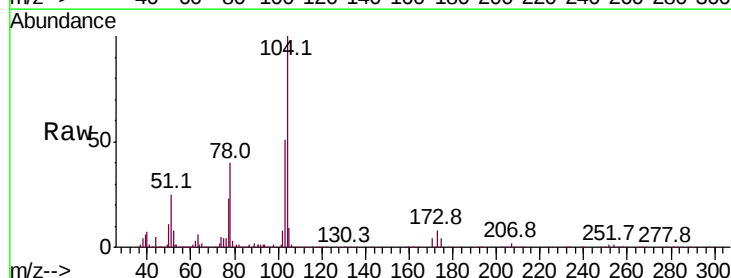
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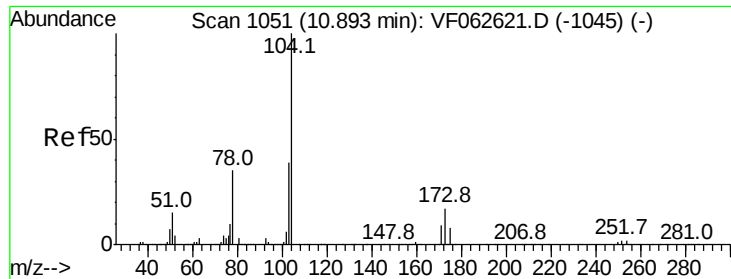
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#70
Styrene
Concen: 10.007 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.3	31.9	47.9
103	50.8	36.1	54.1





#71

Bromoform

Concen: 9.892 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

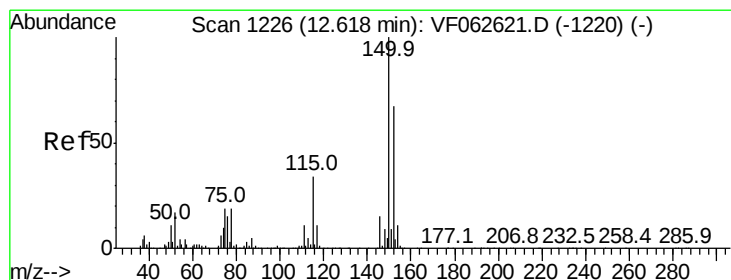
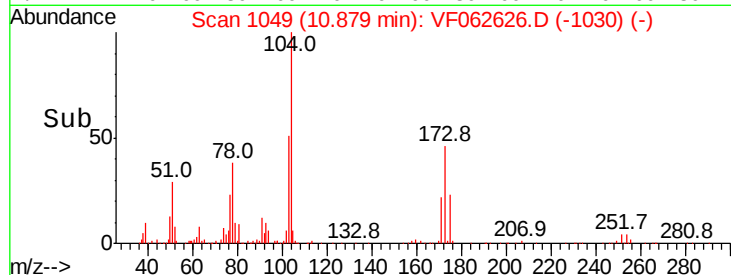
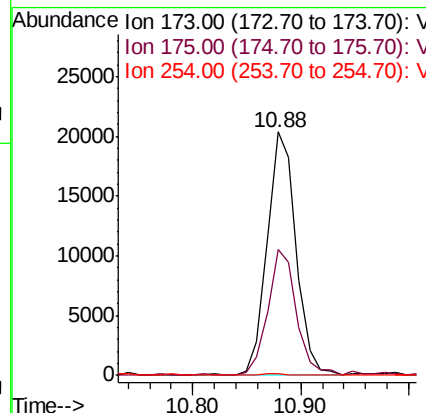
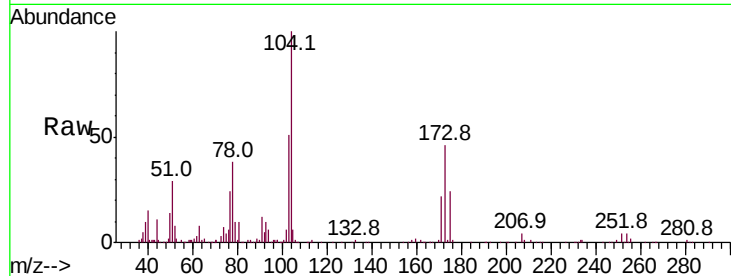
ClientSampled :

VSTDIC010

Tot Ion:173 Resp: 38305
 Ion Ratio Lower Upper
 173 100
 175 50.4 25.3 75.9
 254 0.7 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

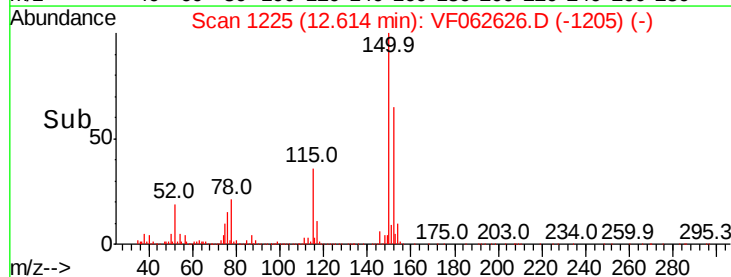
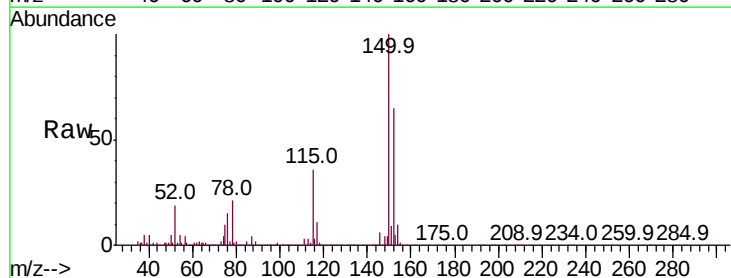
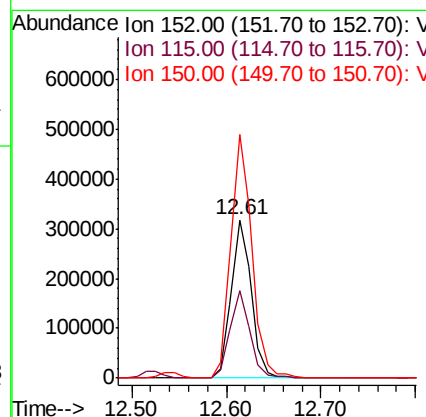
RT: 12.61 min Scan# 1225

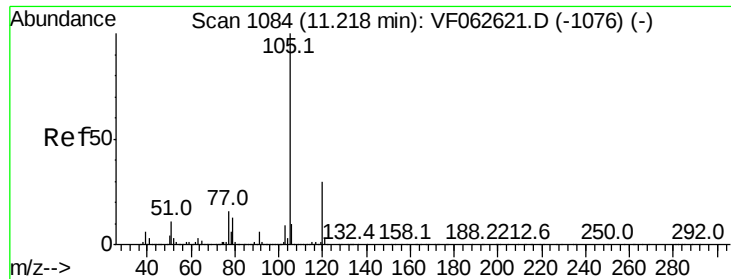
Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:152 Resp: 469996
 Ion Ratio Lower Upper
 152 100
 115 55.3 25.2 75.6
 150 154.0 0.0 306.2





#73

Isopropylbenzene

Concen: 10.232 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 344663

Ion Ratio Lower Upper

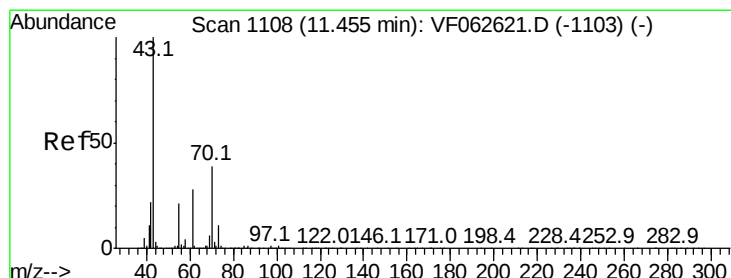
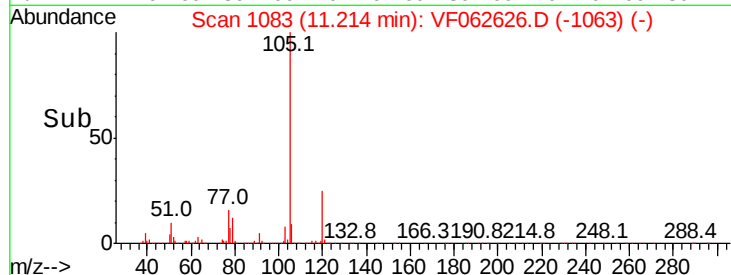
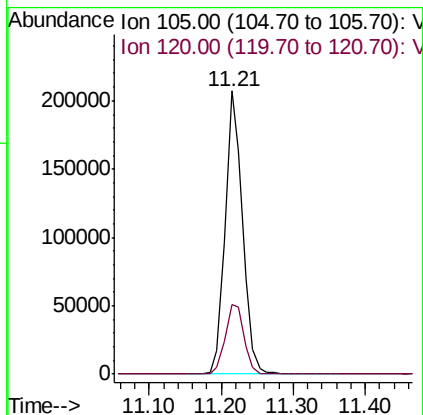
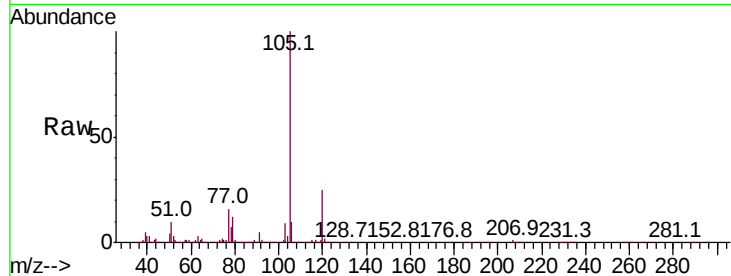
105 100

120 24.6 14.8 44.4

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#74

N-ethyl acetate

Concen: 16.098 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion: 43 Resp: 167296

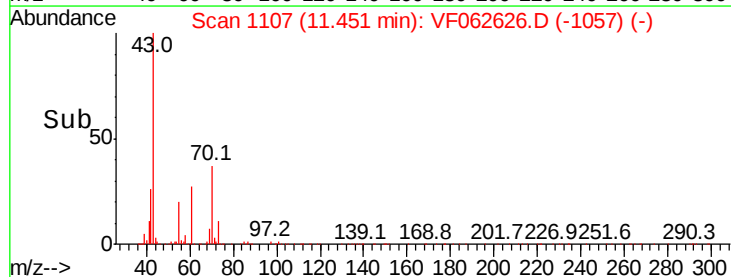
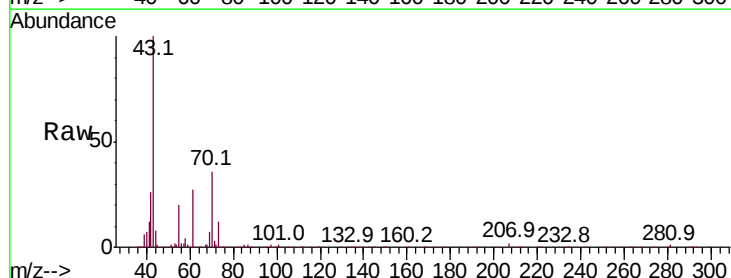
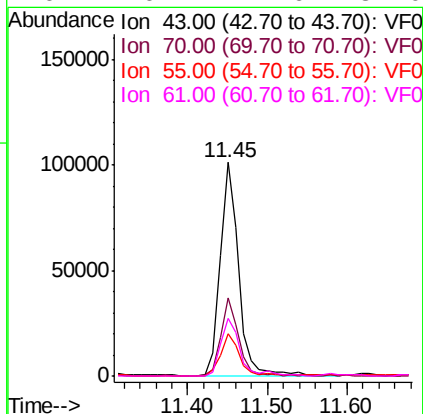
Ion Ratio Lower Upper

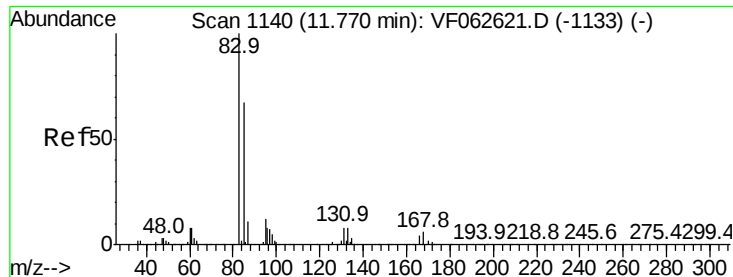
43 100

70 36.5 30.9 46.3

55 19.9 17.0 25.4

61 26.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.790 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

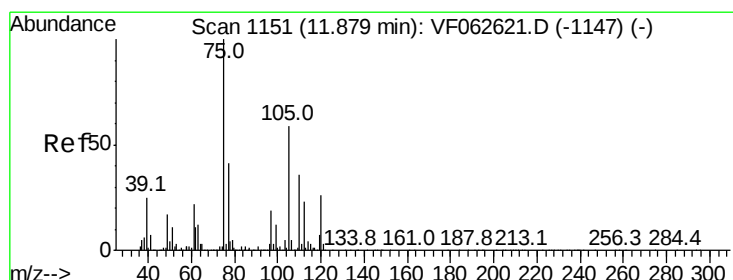
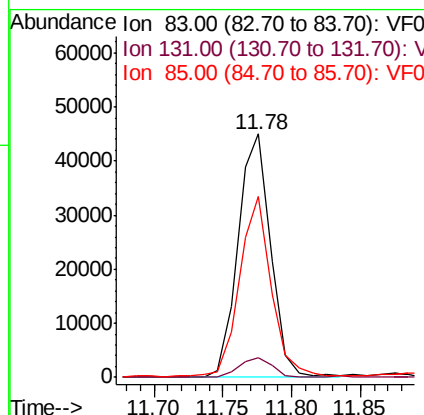
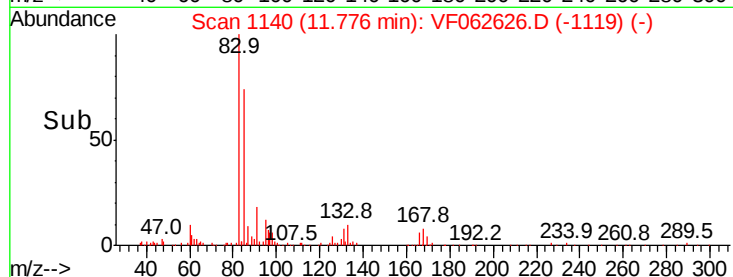
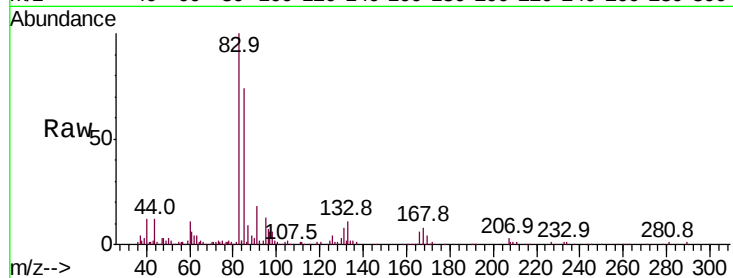
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	74279
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.0	12.0
85	74.1	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 11.752 ug/l

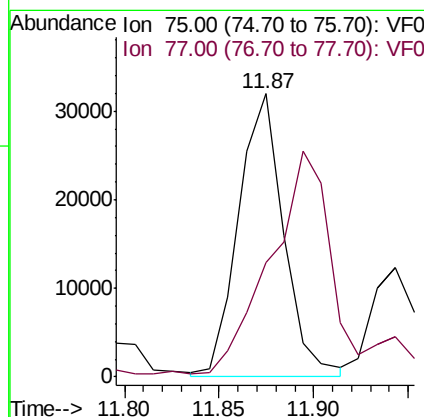
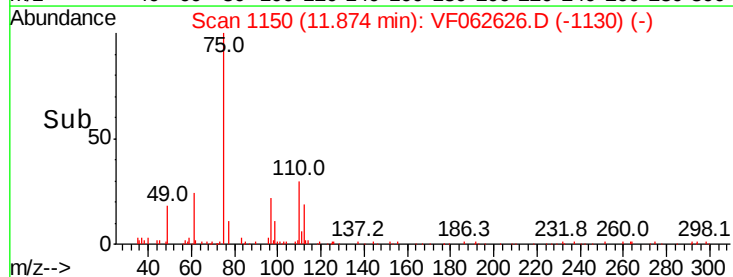
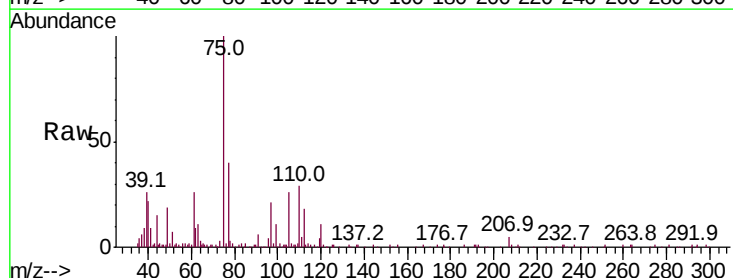
RT: 11.87 min Scan# 1150

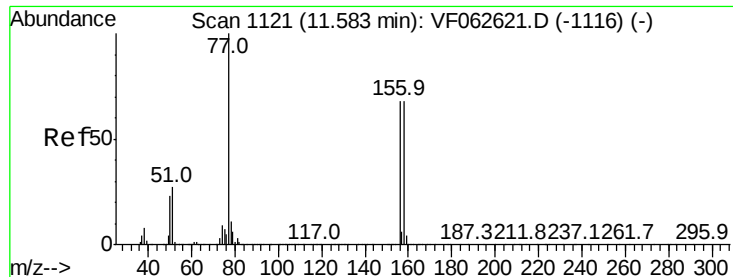
Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	75	Resp:	53156
Ion Ratio	Lower	Upper	
75	100		
77	40.3	20.6	61.8





#77

Bromobenzene

Concen: 10.792 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

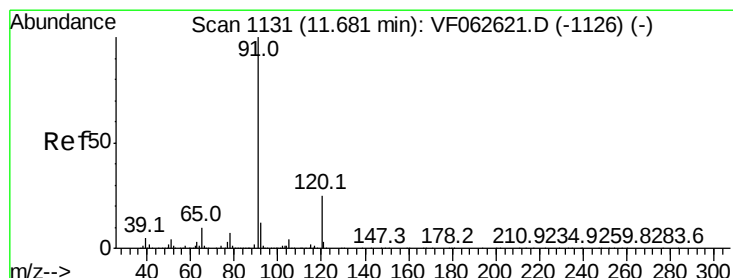
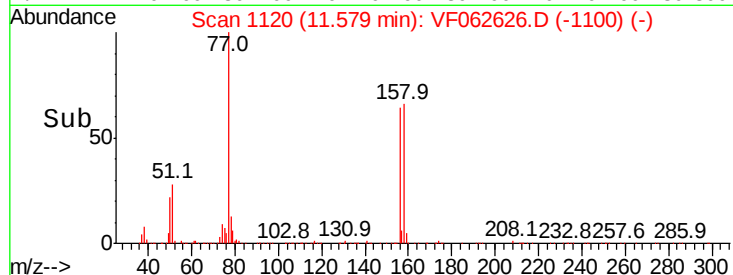
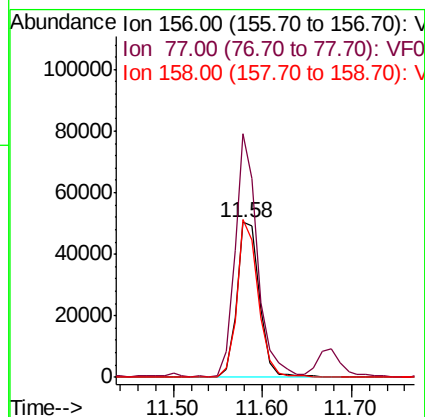
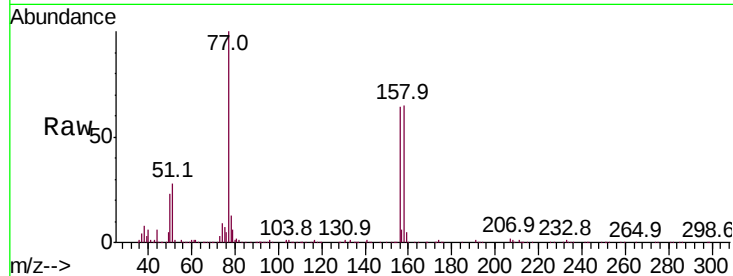
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	90359
Ion Ratio	Lower	Upper	
156	100		
77	157.3	73.6	220.8
158	102.3	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 10.931 ug/l

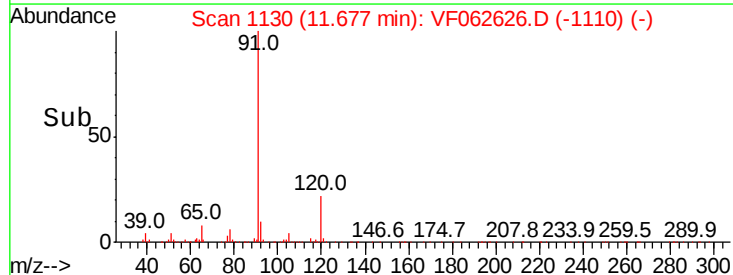
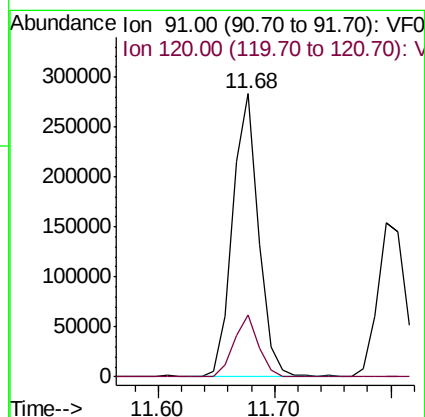
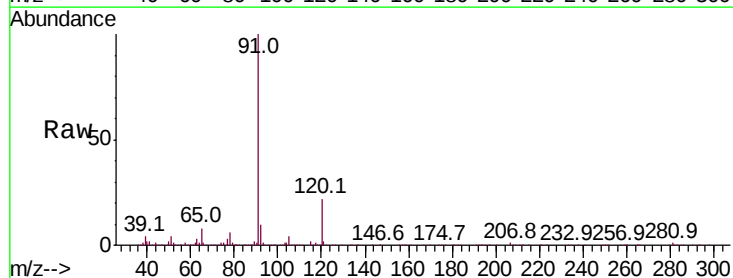
RT: 11.68 min Scan# 1130

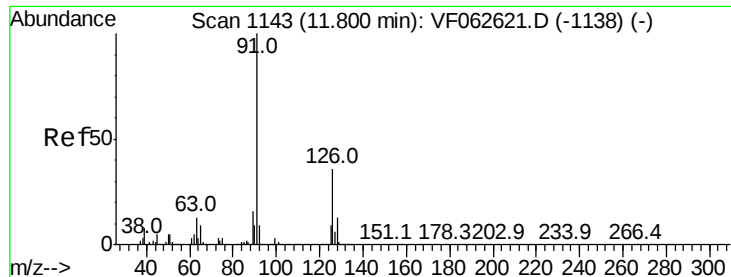
Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	91	Resp:	435784
Ion Ratio	Lower	Upper	
91	100		
120	21.7	12.7	38.1





#79

2-Chlorotoluene

Concen: 11.246 ug/l

RT: 11.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 252669

Ion Ratio Lower Upper

91 100

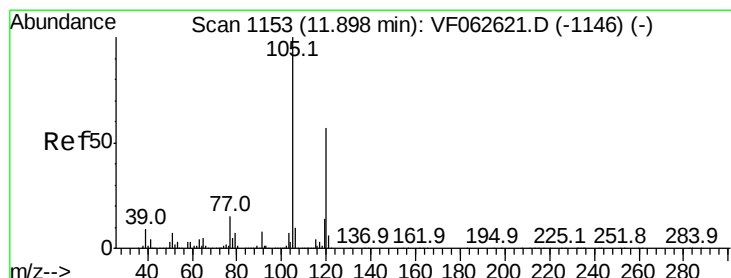
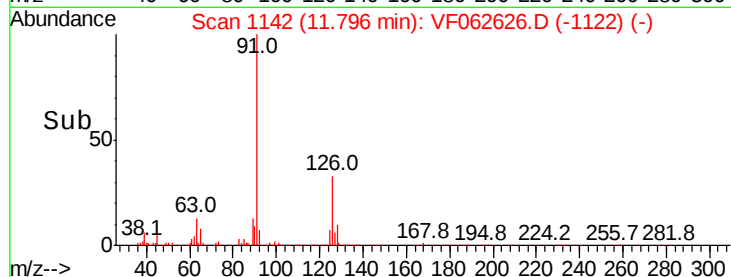
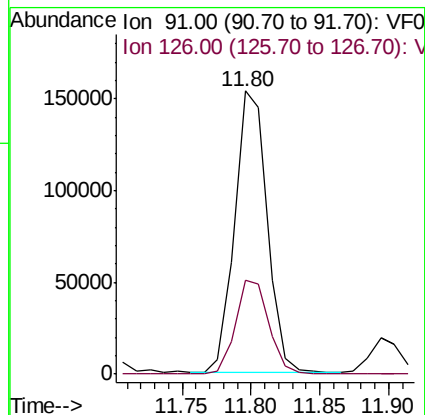
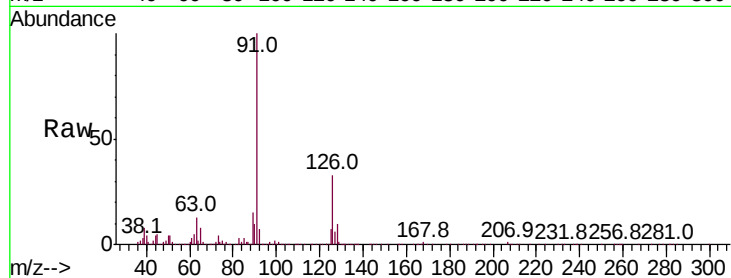
126 33.2 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 11.126 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062626.D

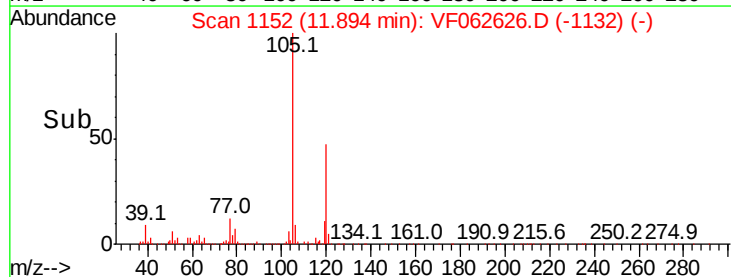
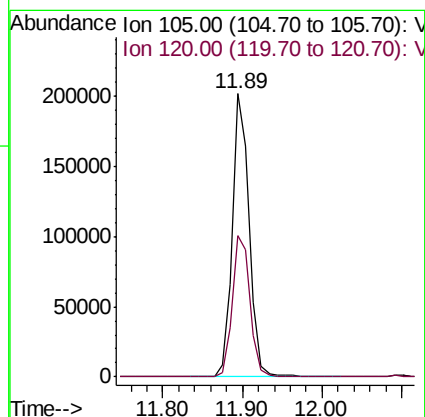
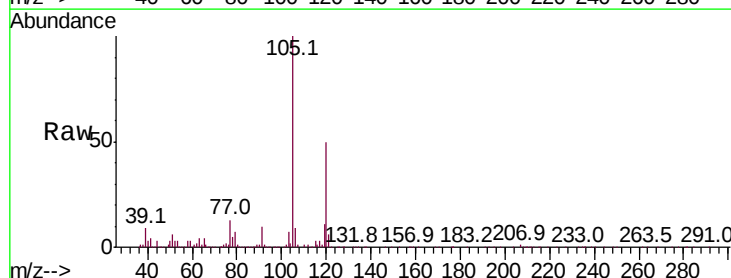
Acq: 16 May 2019 15:00

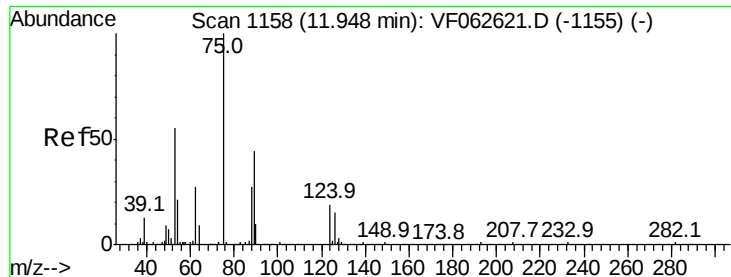
Tgt Ion: 105 Resp: 300521

Ion Ratio Lower Upper

105 100

120 50.0 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 8.359 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

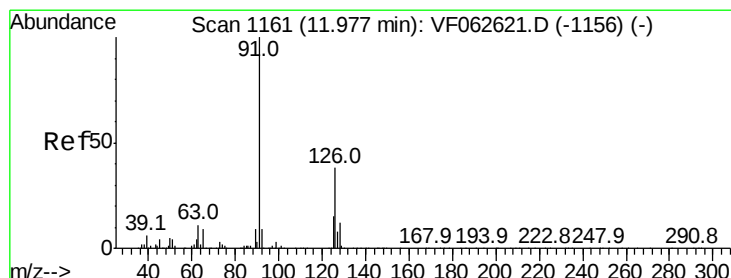
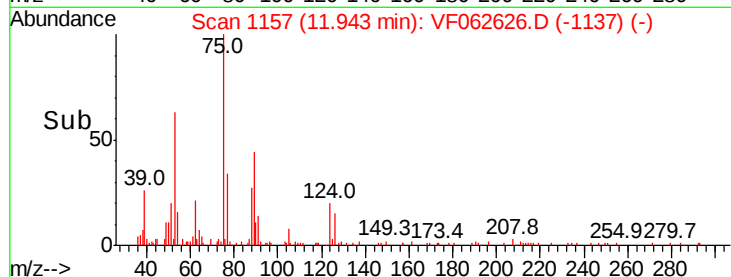
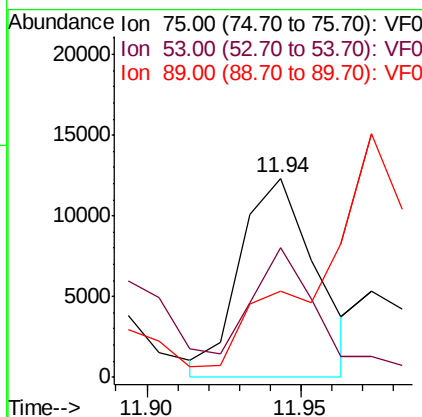
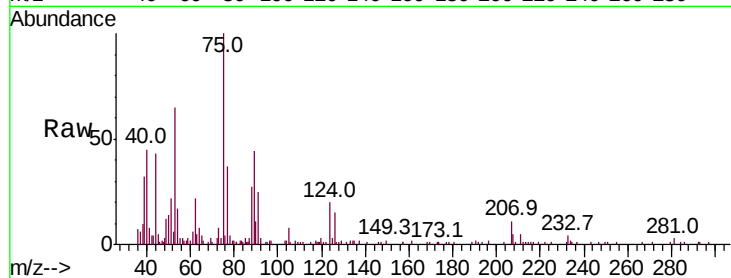
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	21006
Ion Ratio	Lower	Upper	
75	100		
53	65.1	46.9	70.3
89	43.5	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.852 ug/l

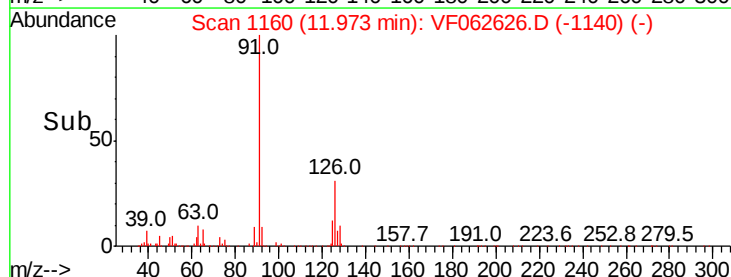
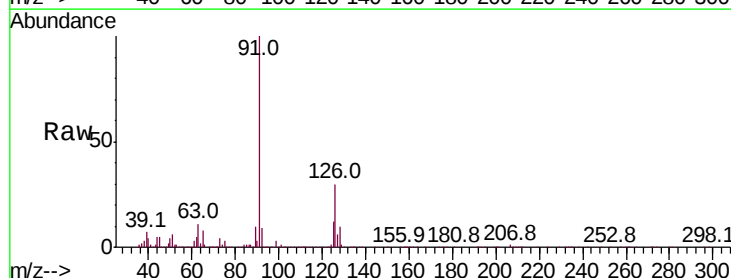
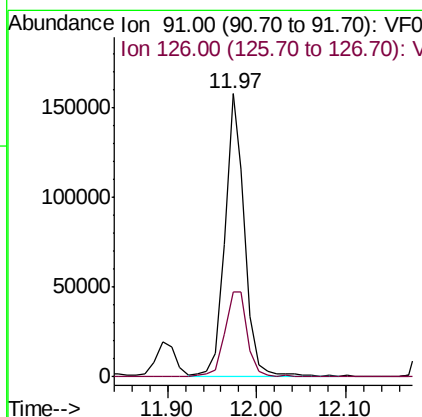
RT: 11.97 min Scan# 1160

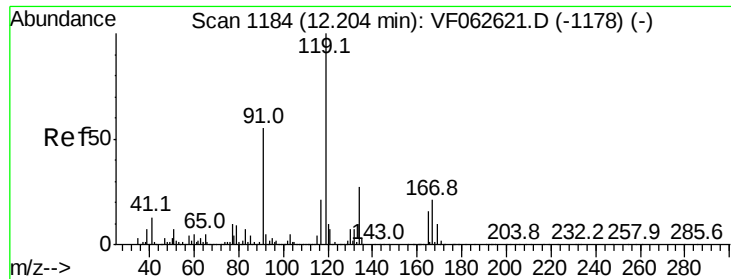
Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	91	Resp:	240436
Ion Ratio	Lower	Upper	
91	100		
126	30.2	19.1	57.1





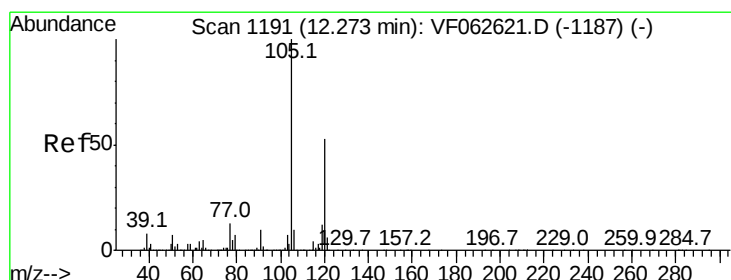
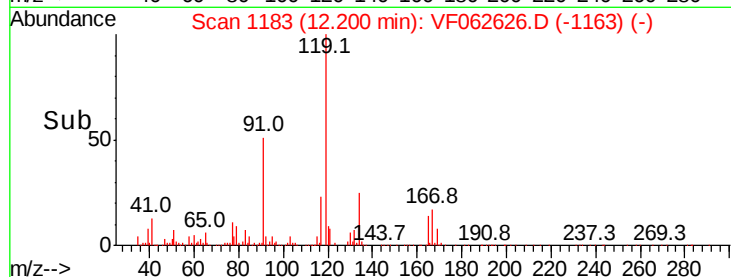
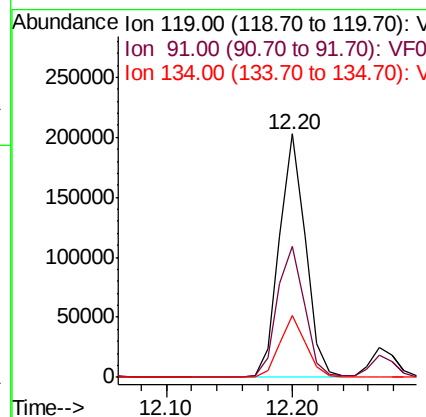
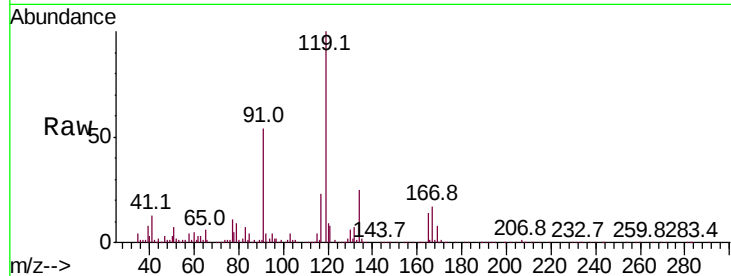
#83
tert-Butylbenzene
Concen: 10.720 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	293757		
91	53.7	27.3	81.9	
134	25.5	13.6	40.7	

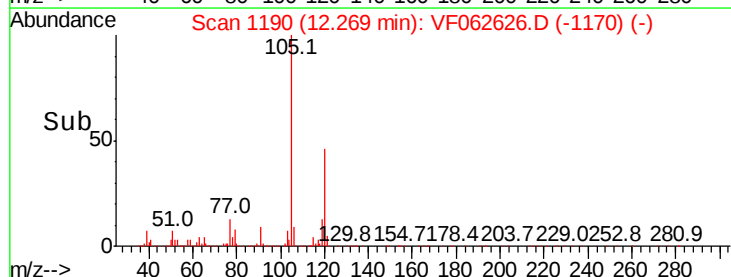
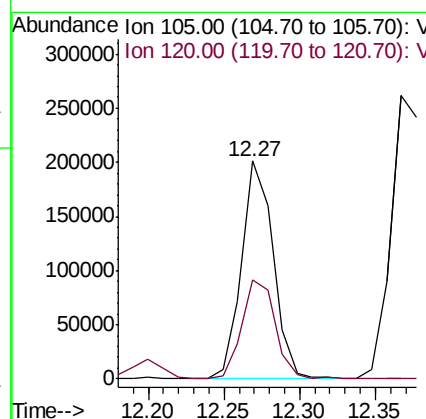
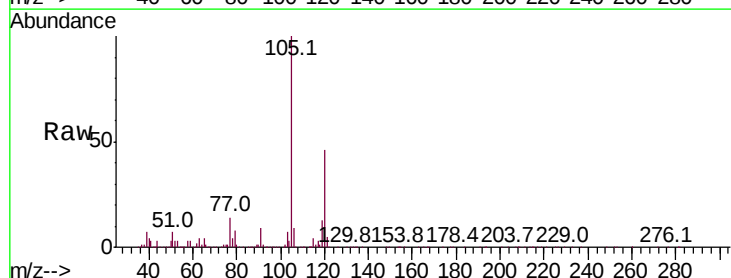
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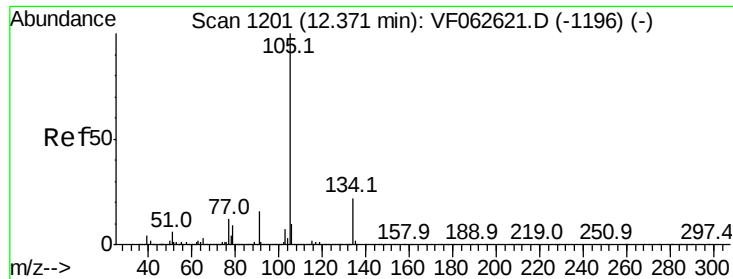
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#84
1,2,4-Trimethylbenzene
Concen: 11.184 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	292369		
120	45.6	26.7	80.1	





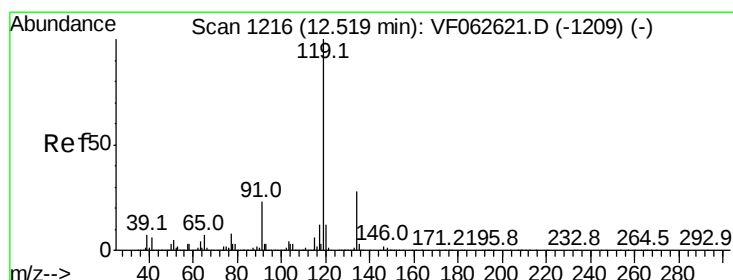
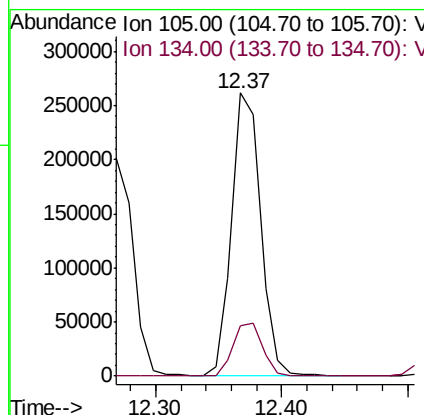
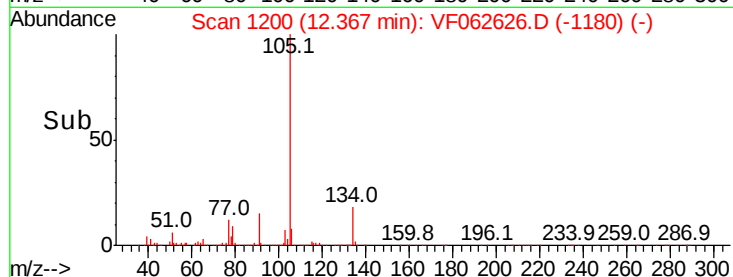
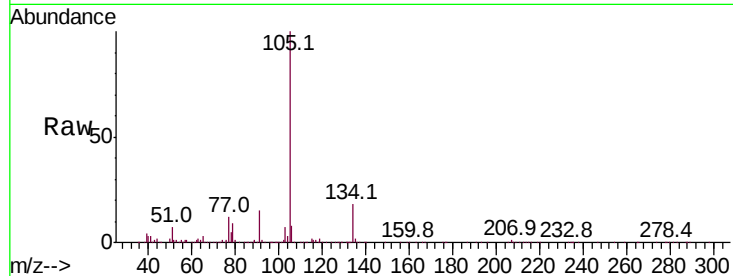
#85
 sec-Butylbenzene
 Concen: 11.277 ug/l
 RT: 12.37 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.7	10.8	32.4

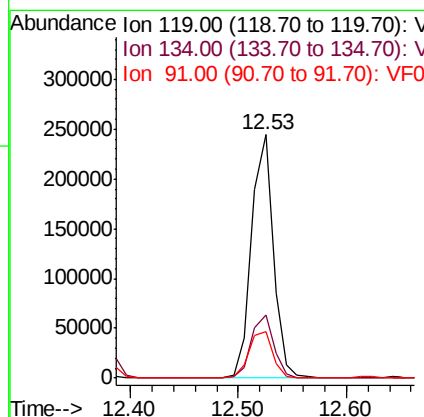
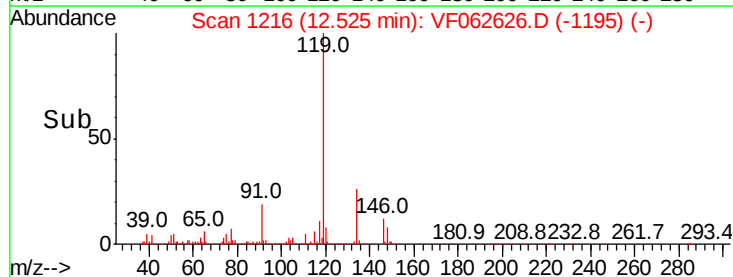
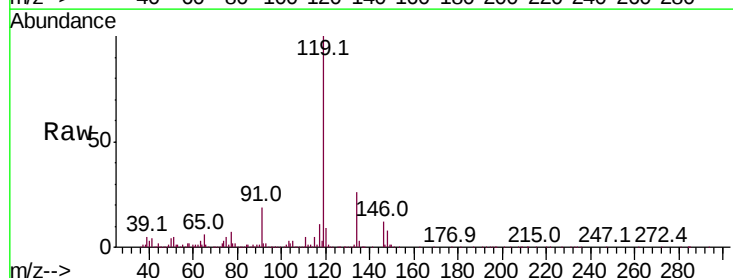
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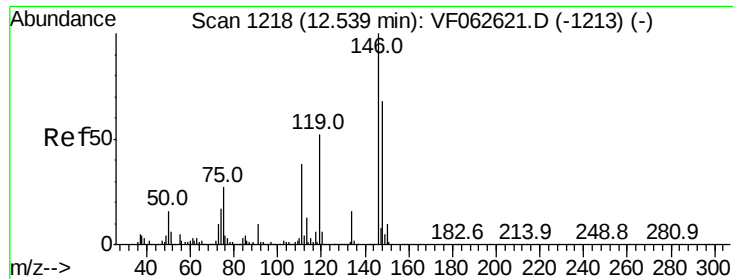
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#86
 p-Isopropyltoluene
 Concen: 11.079 ug/l
 RT: 12.53 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062626.D
 Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	14.1	42.3
91	19.1	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 11.057 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

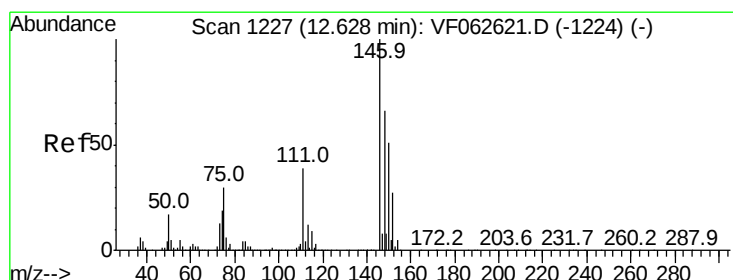
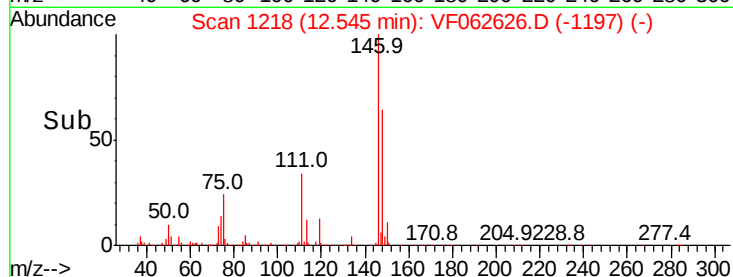
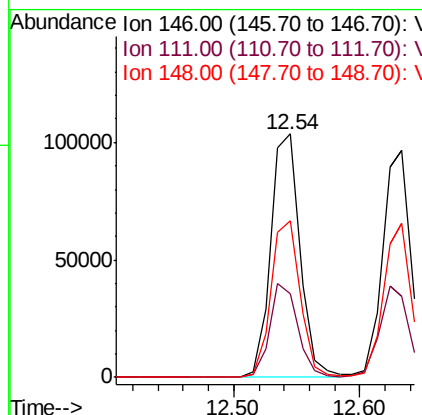
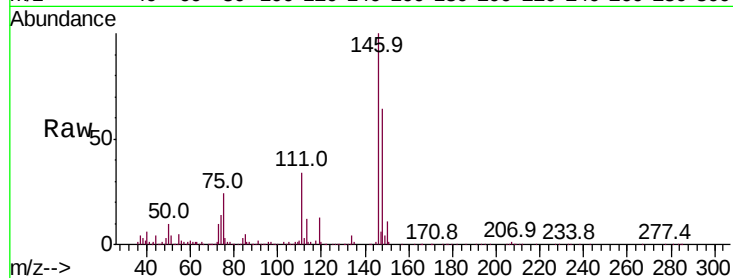
ClientSampled :

VSTDIC010

Tot Ion:	146	Resp:	167494
Ion Ratio	Lower	Upper	
146	100		
111	34.1	18.9	56.9
148	64.2	34.0	101.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.915 ug/l

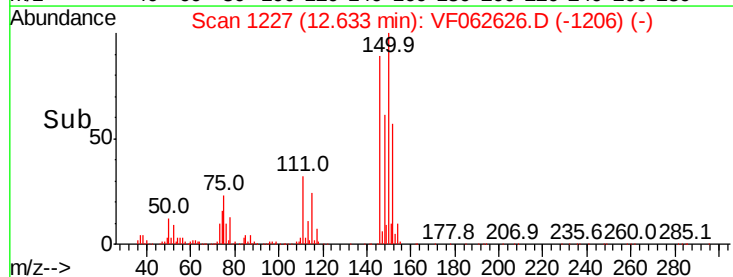
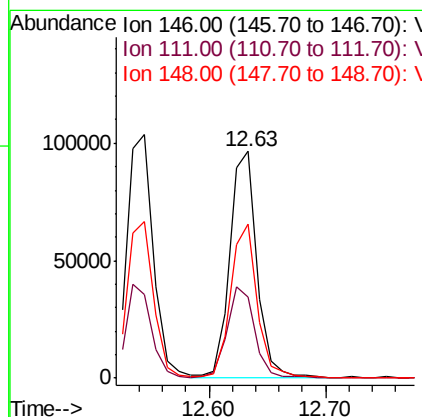
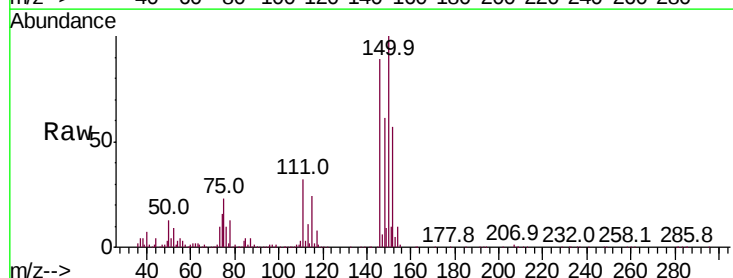
RT: 12.63 min Scan# 1227

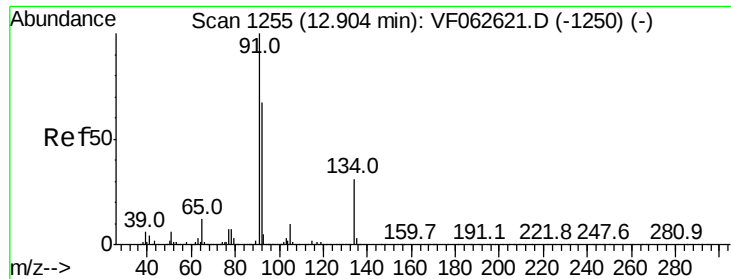
Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	146	Resp:	155165
Ion Ratio	Lower	Upper	
146	100		
111	35.5	19.4	58.2
148	68.2	33.2	99.6





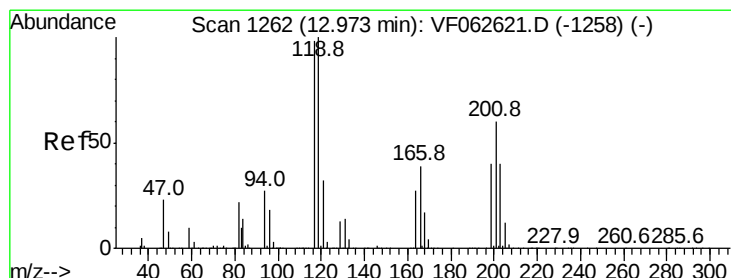
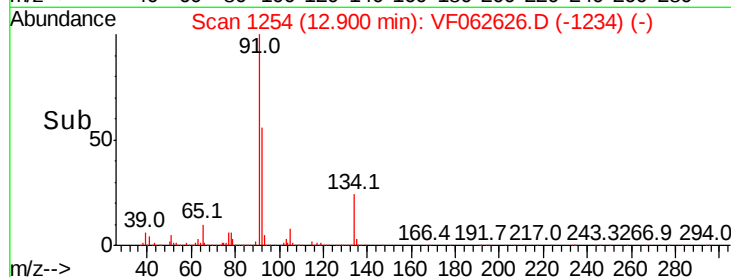
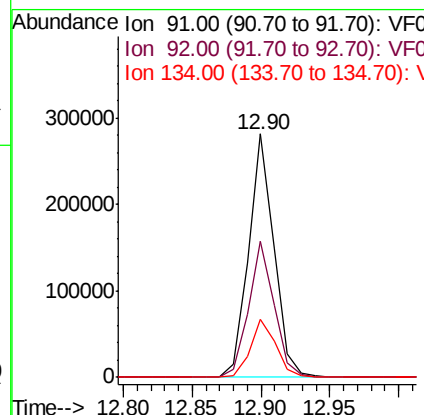
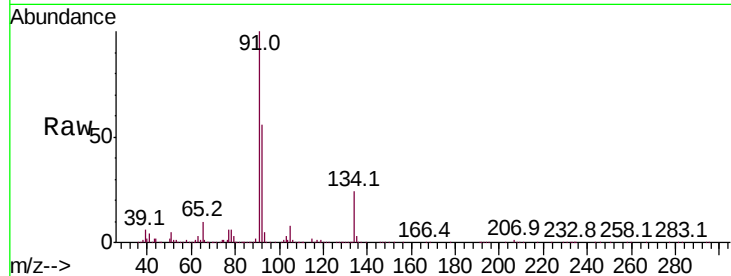
#89
n-Butylbenzene
Concen: 11.860 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	362407		
92	56.1		33.3	99.8
134	23.7		15.4	46.4

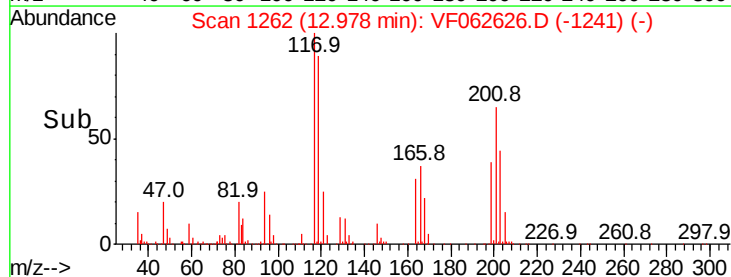
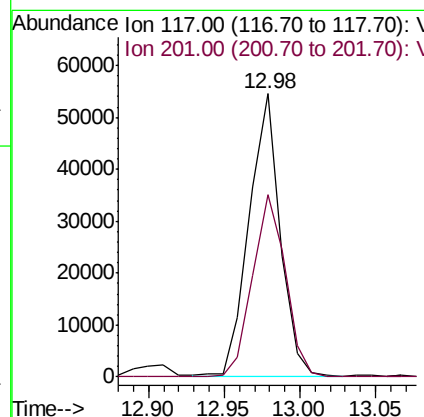
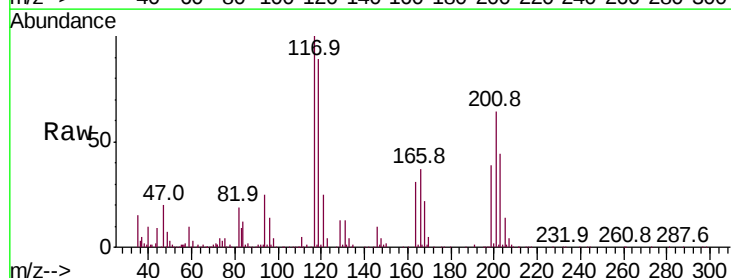
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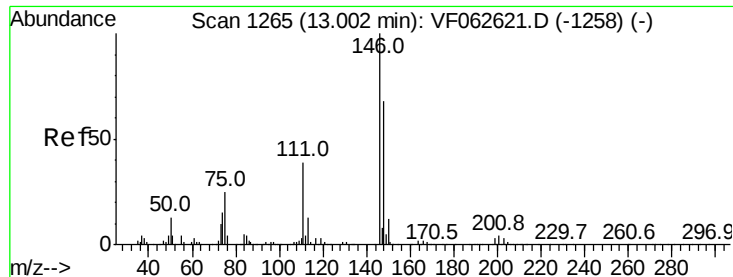
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#90
Hexachloroethane
Concen: 10.542 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	78379		
201	64.2		30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 10.830 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Instrument :

MSVOA_F

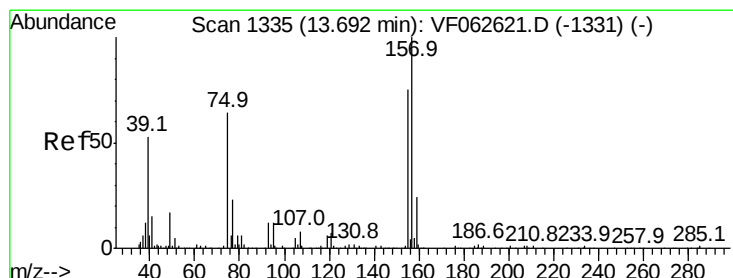
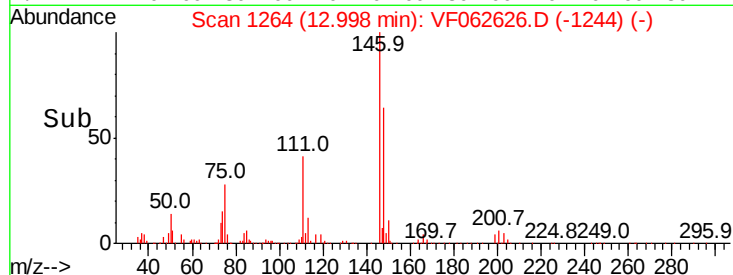
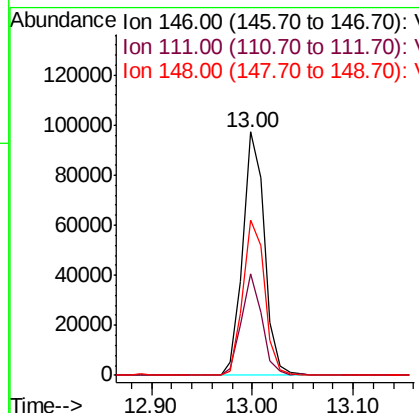
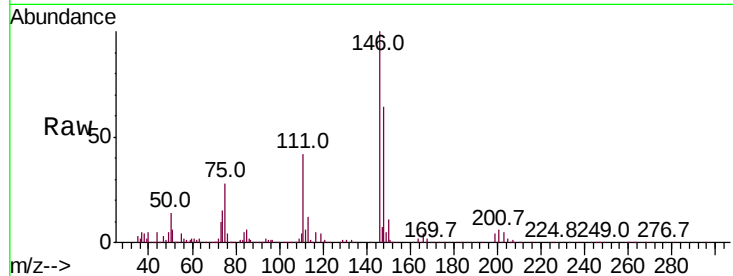
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	146246
Ion Ratio	Lower	Upper	
146	100		
111	41.5	19.8	59.3
148	63.7	34.1	102.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 11.173 ug/l

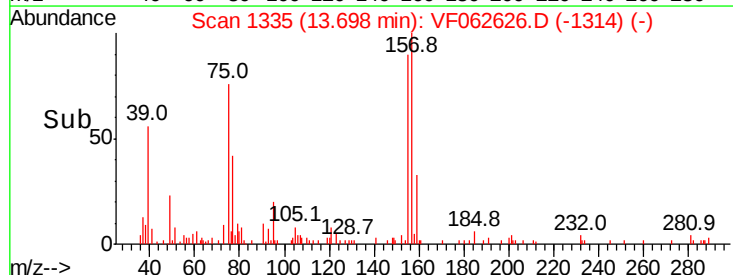
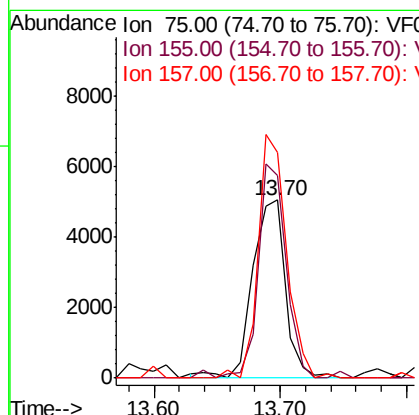
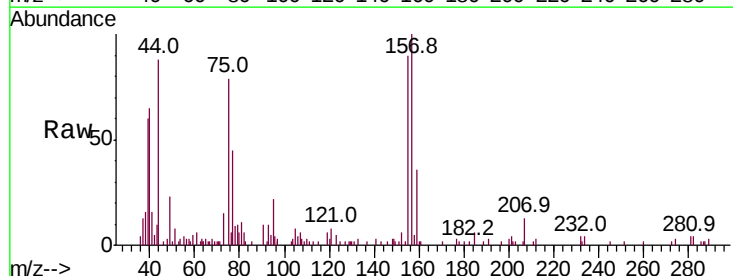
RT: 13.70 min Scan# 1335

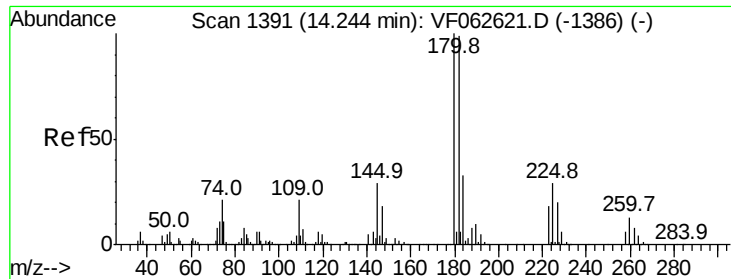
Delta R.T. 0.01 min

Lab File: VF062626.D

Acq: 16 May 2019 15:00

Tgt Ion:	75	Resp:	9176
Ion Ratio	Lower	Upper	
75	100		
155	113.9	58.1	174.3
157	133.9	77.8	233.4





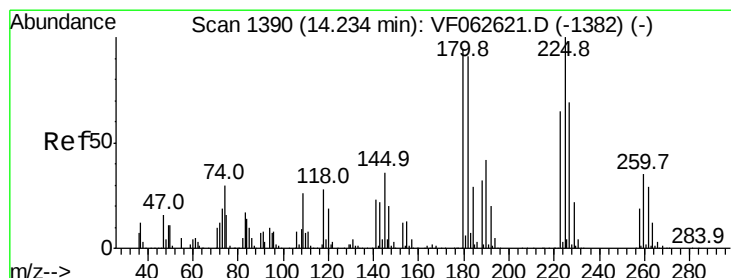
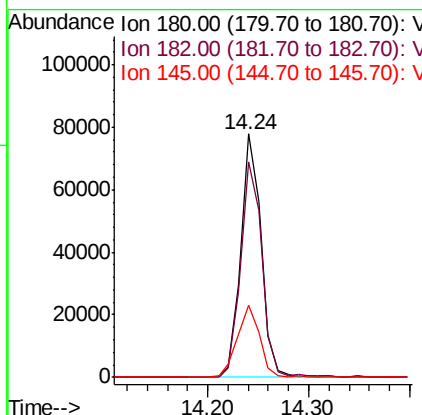
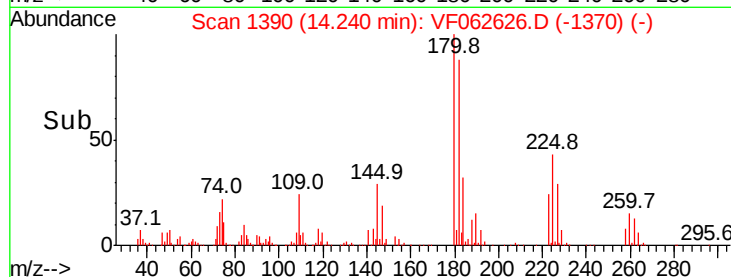
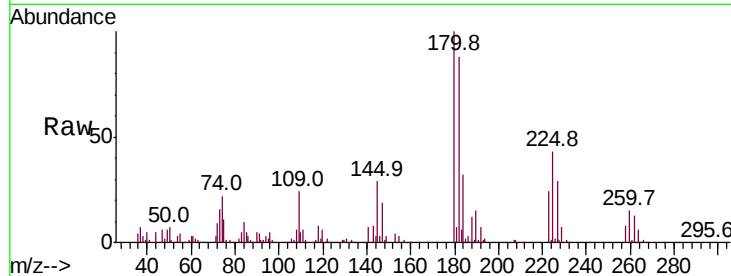
#93
1,2,4-Trichlorobenzene
Concen: 11.291 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109132		
182	88.3	49.7	149.1	
145	29.5	14.6	44.0	

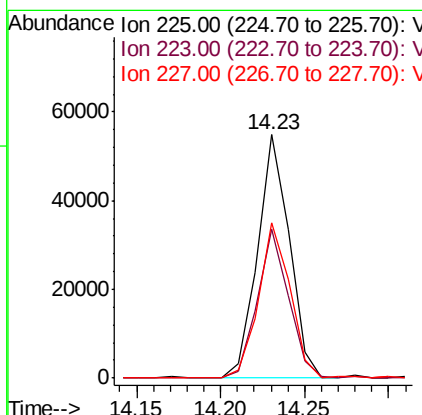
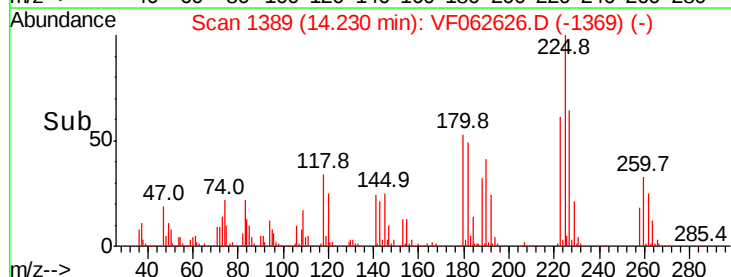
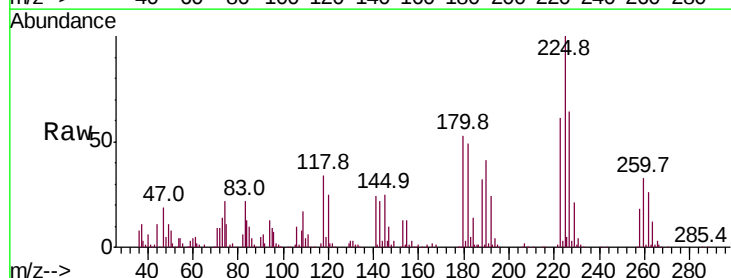
Manual Integrations
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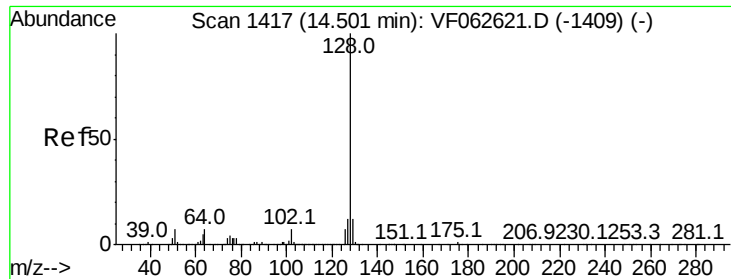
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#94
Hexachlorobutadiene
Concen: 10.658 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71894		
223	61.0	32.5	97.4	
227	64.0	34.5	103.5	





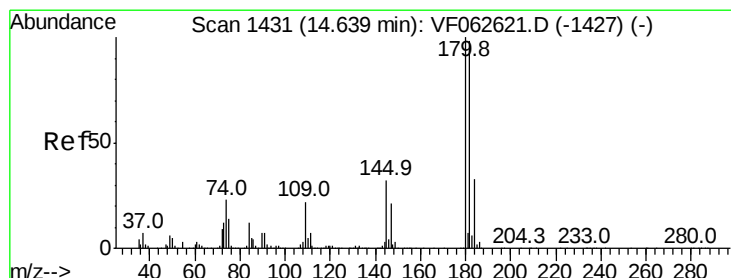
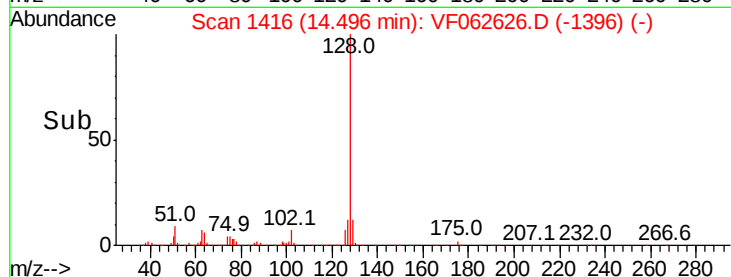
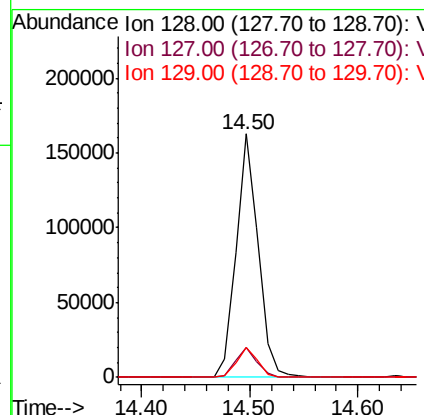
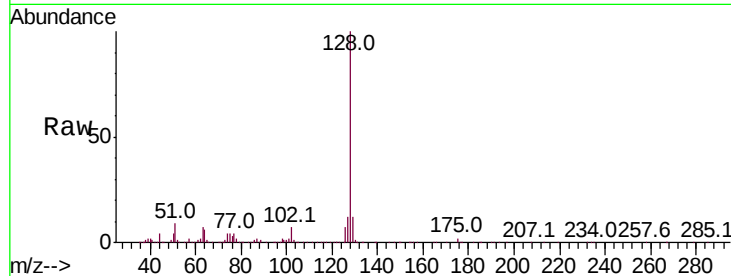
#95
Naphthalene
Concen: 13.125 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	230470		
127	12.4	9.7	14.5	
129	12.0	9.3	13.9	

Manual Integrations
APPROVED

MMDadoda
5/17/2019 4:20:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.562 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062626.D
Acq: 16 May 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96699		
182	97.6	48.9	146.7	
145	28.2	16.1	48.2	

