

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062503.D
 Acq On : 12 May 2019 15:17
 Operator : FY/SY
 Sample : K2734-05MSD
 Misc : 3.95g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:26:26 PM

Quant Time: May 13 05:35:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	15813	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	24298	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	12081	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	4273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	31323	209.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	419.20%	
35) Dibromofluoromethane	4.33	113	31905	164.82	ug/l	0.03
Spiked Amount	50.000		Recovery	=	329.64%	
50) Toluene-d8	7.72	98	18167	38.77	ug/l	0.02
Spiked Amount	50.000		Recovery	=	77.54%	
62) 4-Bromofluorobenzene	11.51	95	4951	23.42	ug/l	0.02
Spiked Amount	50.000		Recovery	=	46.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	22144	120.999	ug/l	85
3) Chloromethane	1.15	50	14245	118.020	ug/l	95
4) Vinyl Chloride	1.20	62	10451	86.808	ug/l	93
5) Bromomethane	1.38	94	7882	88.709	ug/l #	66
6) Chloroethane	1.44	64	9580	158.274	ug/l	91
7) Trichlorofluoromethane	1.55	101	25453	101.897	ug/l	98
8) Diethyl Ether	1.72	74	11845	313.392	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	14633	102.608	ug/l	99
10) Methyl Iodide	1.97	142	7701	32.768	ug/l #	86
11) Tert butyl alcohol	2.70	59	14736	1744.753	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	8570	70.688	ug/l #	75
13) Acrolein	2.12	56	619	106.446	ug/l #	34
14) Allyl chloride	2.20	41	16089	150.231	ug/l	93
15) Acrylonitrile	3.09	53	9371	585.734	ug/l #	93
16) Acetone	2.35	43	33318	1102.132	ug/l	98
17) Carbon Disulfide	1.91	76	9780	36.996	ug/l	97
18) Methyl Acetate	2.47	43	17367	332.725	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	100022	399.667	ug/l	96
20) Methylene Chloride	2.30	84	26873	245.699	ug/l	88
21) trans-1,2-Dichloroethene	2.44	96	7539	65.268	ug/l	83
22) Diisopropyl ether	2.95	45	101023	301.817	ug/l	99
23) Vinyl Acetate	3.35	43	251	1.683	ug/l #	79
24) 1,1-Dichloroethane	3.02	63	36323	179.554	ug/l	99
25) 2-Butanone	4.54	43	3439	90.549	ug/l #	83
26) 2,2-Dichloropropane	3.79	77	9145	80.950	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	15096	104.552	ug/l	94
28) Bromochloromethane	3.93	49	21836	238.006	ug/l #	97
29) Tetrahydrofuran	4.28	42	26421	1513.649	ug/l	91
30) Chloroform	4.07	83	43302	158.440	ug/l	85
31) Cyclohexane	3.92	56	4206	26.048	ug/l #	91
32) 1,1,1-Trichloroethane	4.30	97	25007	106.760	ug/l	99
36) 1,1-Dichloropropene	4.49	75	4243	20.328	ug/l #	90
37) Ethyl Acetate	4.29	43	7773	101.007	ug/l #	91
38) Carbon Tetrachloride	4.20	117	11059	51.144	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	3081	14.718	ug/l #	67
40) Benzene	4.84	78	31301	68.100	ug/l	90
41) Methacrylonitrile	4.92	41	1185	23.677	ug/l #	17
42) 1,2-Dichloroethane	5.15	62	30723	159.820	ug/l	100
43) Isopropyl Acetate	7.19	43	542	5.709	ug/l #	70
44) Trichloroethene	5.70	130	5359	31.739	ug/l	90
45) 1,2-Dichloropropane	6.42	63	12502	120.087	ug/l	98
46) Dibromomethane	6.28	93	10739	124.411	ug/l	94
47) Bromodichloromethane	6.57	83	25270	117.093	ug/l #	99
48) Methyl methacrylate	6.91	41	3337	49.737	ug/l	93
49) 1,4-Dioxane	6.89	88	3793	5556.322	ug/l #	76
51) 4-Methyl-2-Pentanone	8.42	43	18974	263.746	ug/l	99
52) Toluene	7.80	92	9611	33.895	ug/l	88
53) t-1,3-Dichloropropene	8.44	75	7242	44.368	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	5609	29.527	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	13300	147.755	ug/l #	82
56) Ethyl methacrylate	8.76	69	257	2.705	ug/l #	1
57) 1,3-Dichloropropane	9.00	76	15861	116.654	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	8658	303.079	ug/l	97
59) 2-Hexanone	9.65	43	1733	34.831	ug/l	83
60) Dibromochloromethane	8.87	129	15752	106.997	ug/l	94
61) 1,2-Dibromoethane	9.15	107	8262	78.095	ug/l	93
64) Tetrachloroethene	8.32	164	3005	30.639	ug/l #	87
65) Chlorobenzene	9.95	112	8531	42.679	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	10.08	131	16218	160.834	ug/l	96
67) Ethyl Benzene	10.05	91	12932	36.946	ug/l	99
68) m/p-Xylenes	10.27	106	8110	62.798	ug/l	98
69) o-Xylene	10.83	106	6590	47.223	ug/l	96
70) Styrene	10.90	104	7011	33.522	ug/l #	89
71) Bromoform	10.89	173	9099	164.706	ug/l #	99
73) Isopropylbenzene	11.23	105	12535	49.483	ug/l	90
74) N-amyl acetate	11.48	43	584	10.738	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.78	83	19766	498.341	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	13738	453.987	ug/l #	100
77) Bromobenzene	11.60	156	6179	92.941	ug/l	80
78) n-propylbenzene	11.68	91	7746	28.721	ug/l	99
79) 2-Chlorotoluene	11.81	91	9880	58.913	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	10198	45.930	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	462m	40.617	ug/l	
82) 4-Chlorotoluene	11.98	91	6175	37.281	ug/l	99
83) tert-Butylbenzene	12.21	119	16340	70.025	ug/l	79
84) 1,2,4-Trimethylbenzene	12.28	105	9650	44.412	ug/l	100
85) sec-Butylbenzene	12.37	105	8153	28.705	ug/l	99
86) p-Isopropyltoluene	12.52	119	7184	27.224	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	5494	45.248	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	4759	40.609	ug/l	99
89) n-Butylbenzene	12.91	91	3207	13.660	ug/l	92
90) Hexachloroethane	12.98	117	2515	38.171	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	7210	61.349	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.69	75	2494	280.670	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	2915	27.653	ug/l	95
94) Hexachlorobutadiene	14.24	225	1927	24.526	ug/l	96
95) Naphthalene	14.50	128	8443	53.274	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	3516	34.428	ug/l	82

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

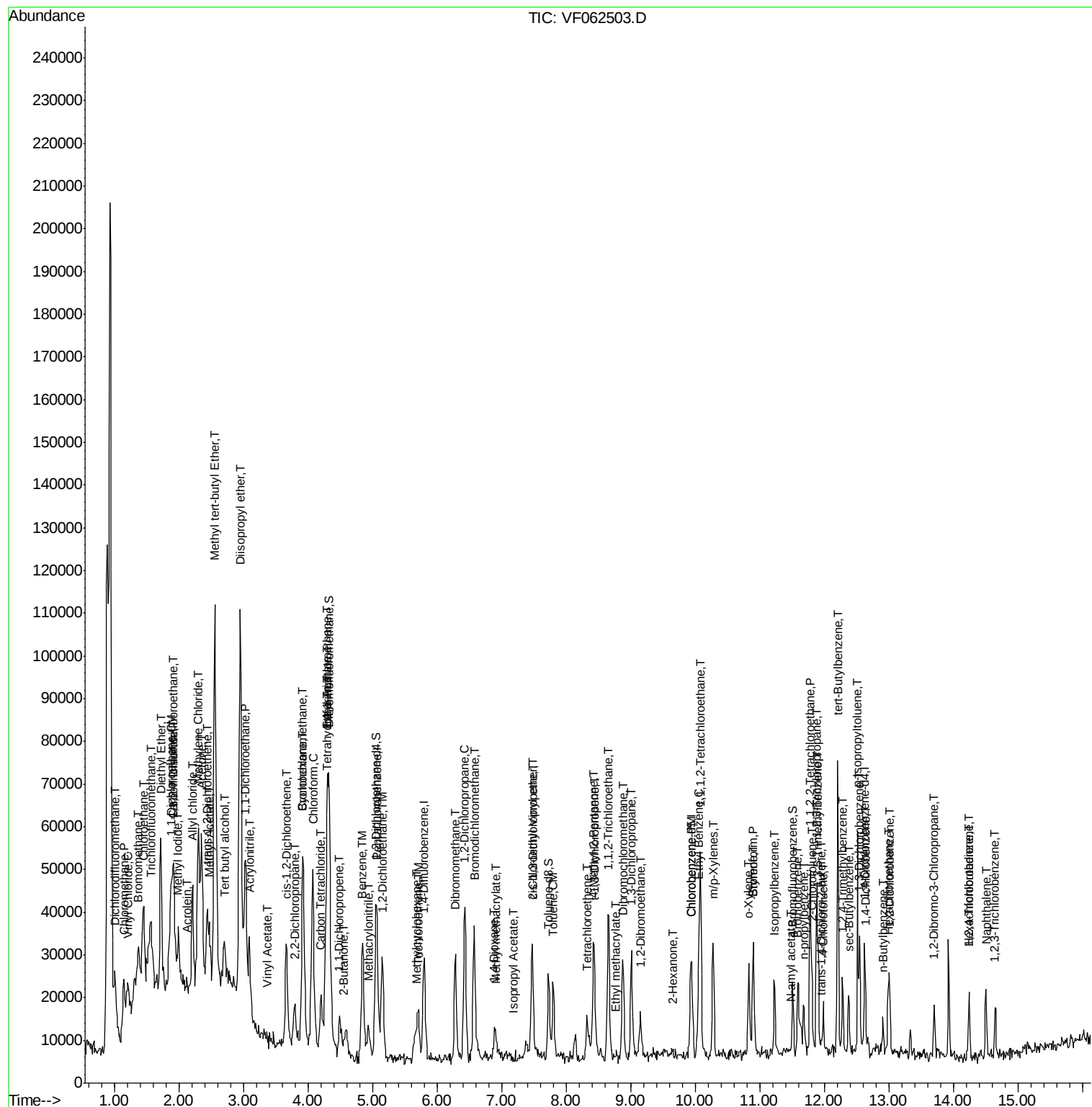
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
Data File : VF062503.D
Acq On : 12 May 2019 15:17
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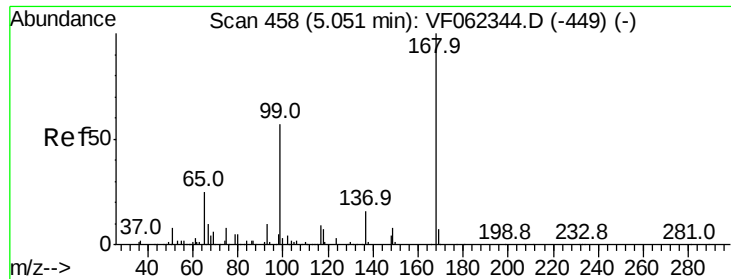
Instrument :
MSVOA_F
ClientSampleId :
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#1

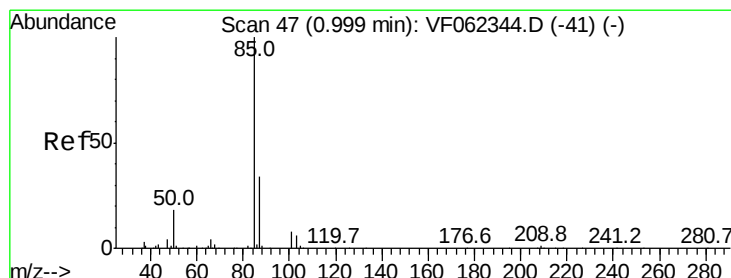
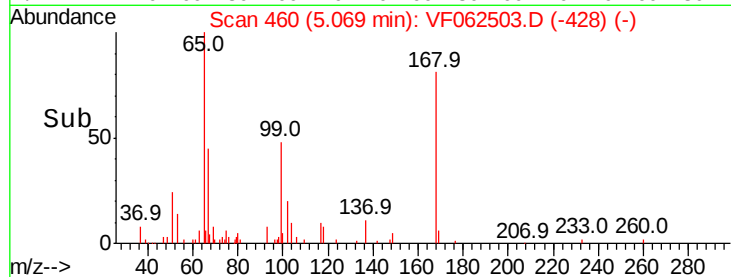
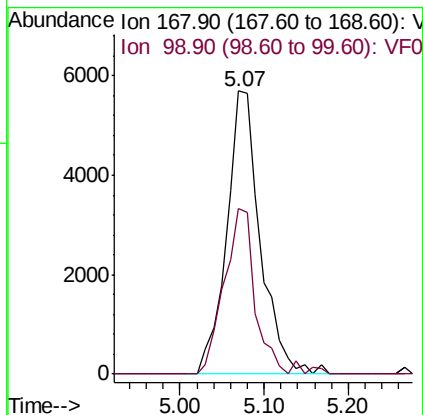
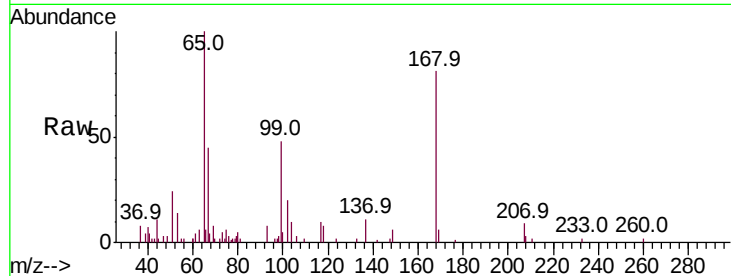
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.07 min Scan# 460
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
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ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.5	45.9	68.9

Manual Integrations
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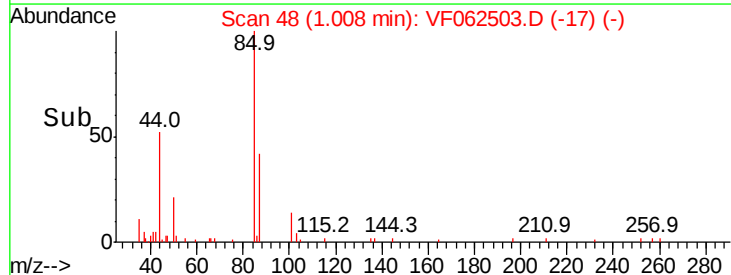
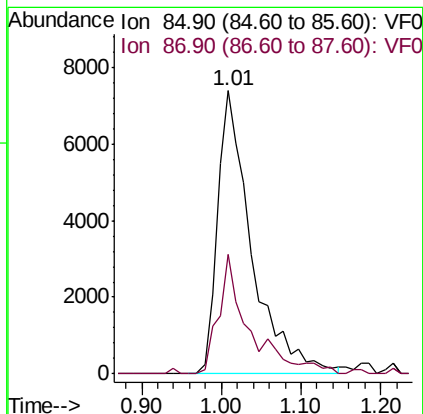
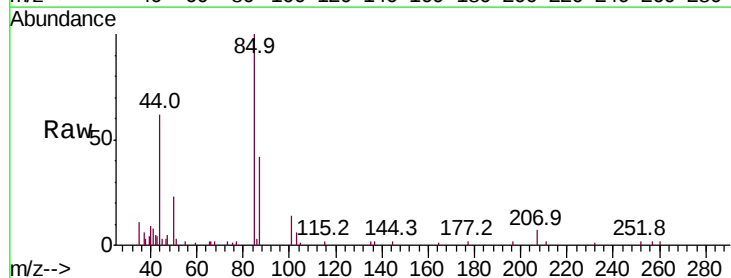
MMDadoda
5/13/2019 12:26:26 PM

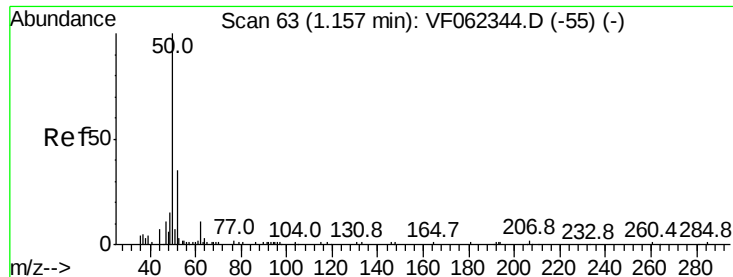


#2

Dichlorodifluoromethane
Concen: 120.999 ug/l
RT: 1.01 min Scan# 48
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	42.1	16.8	50.4





#3

Chloromethane

Concen: 118.020 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 50 Resp: 14245

Ion Ratio Lower Upper

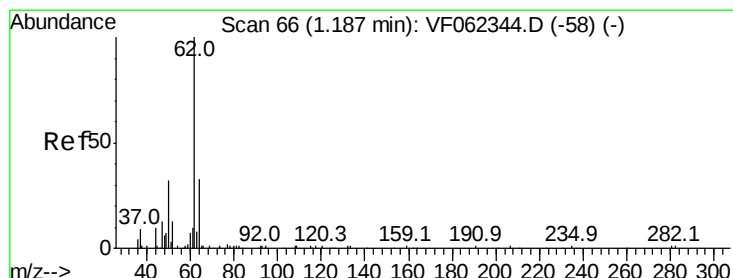
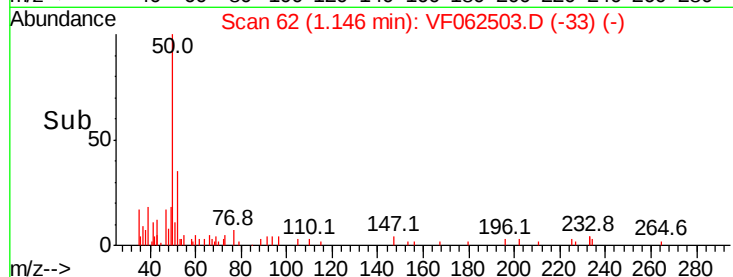
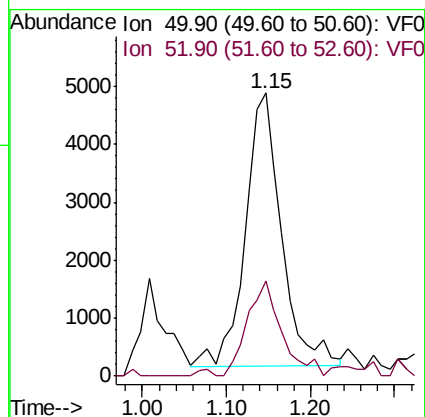
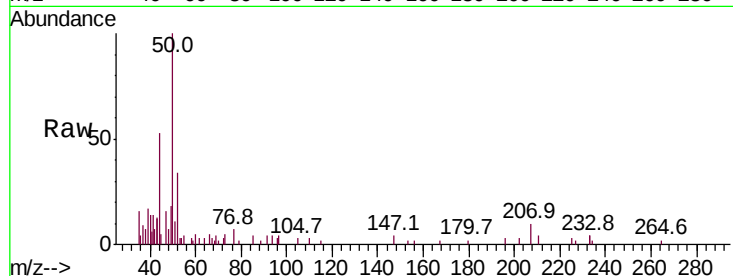
50 100

52 35.2 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 86.808 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062503.D

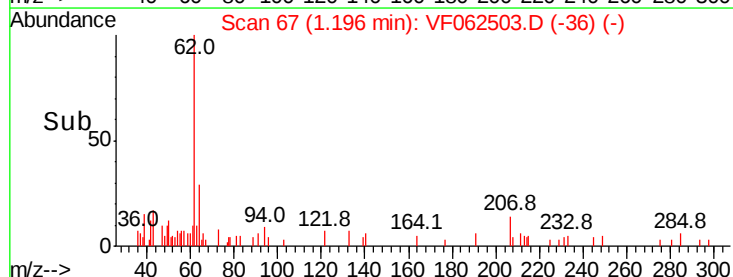
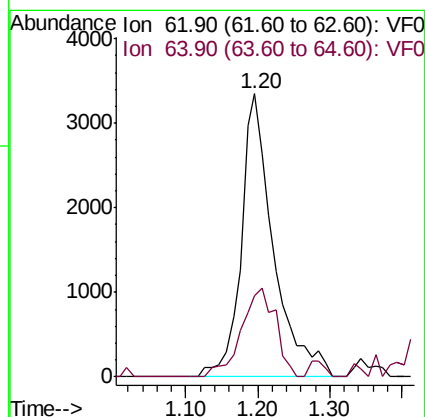
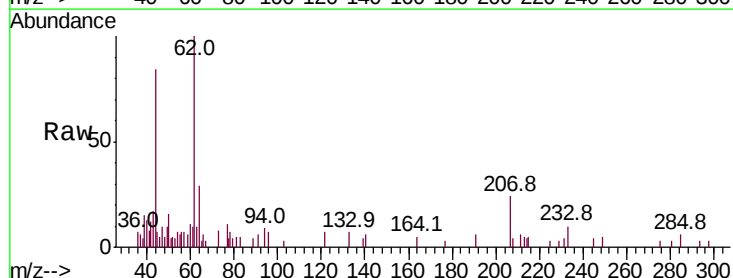
Acq: 12 May 2019 15:17

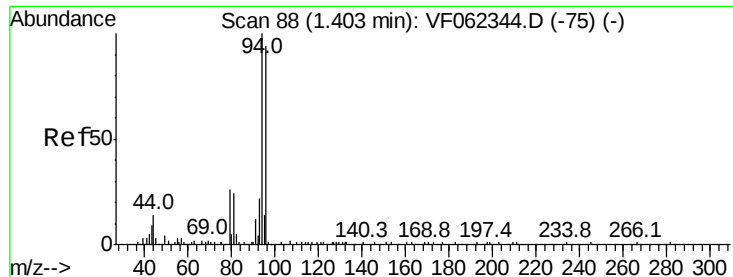
Tgt Ion: 62 Resp: 10451

Ion Ratio Lower Upper

62 100

64 28.6 26.1 39.1





#5

Bromomethane

Concen: 88.709 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062503.D

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ClientSampleId :

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Tot Ion: 94 Resp: 7882

Ion Ratio Lower Upper

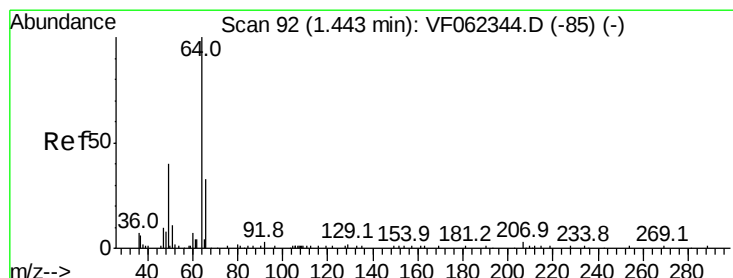
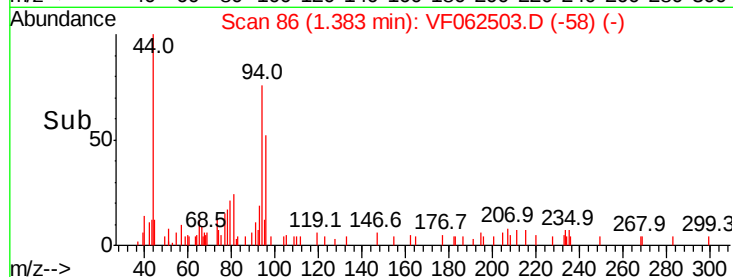
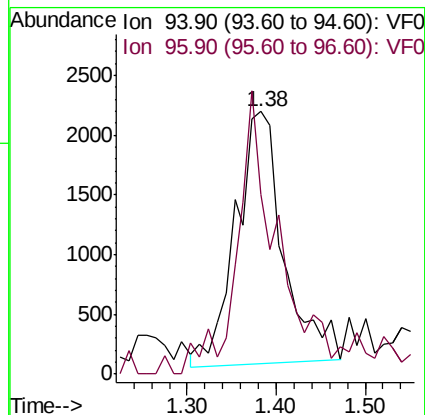
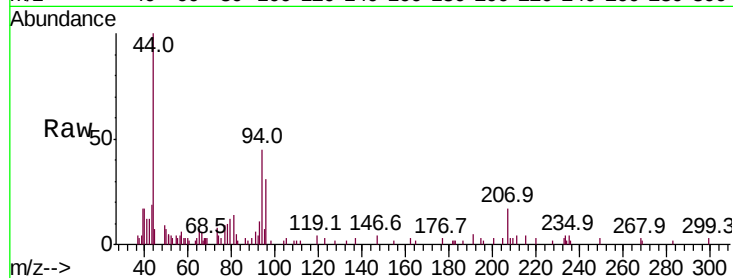
94 100

96 61.6 75.4 113.2#

Manual Integrations
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#6

Chloroethane

Concen: 158.274 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062503.D

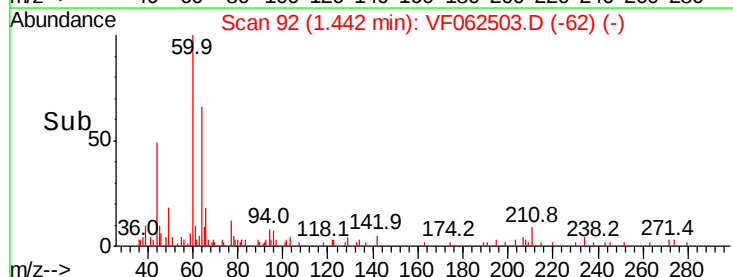
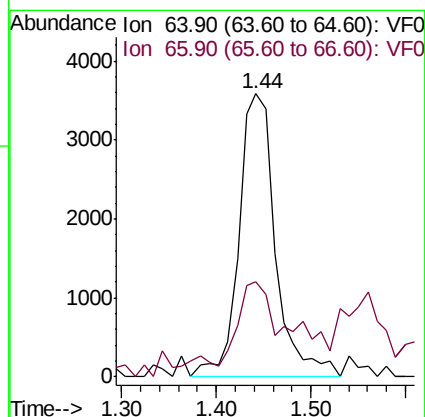
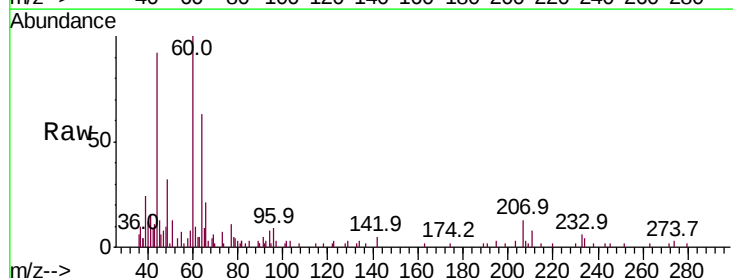
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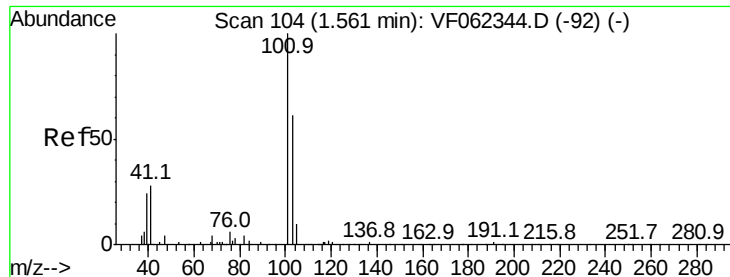
Tgt Ion: 64 Resp: 9580

Ion Ratio Lower Upper

64 100

66 28.3 26.6 39.8





#7

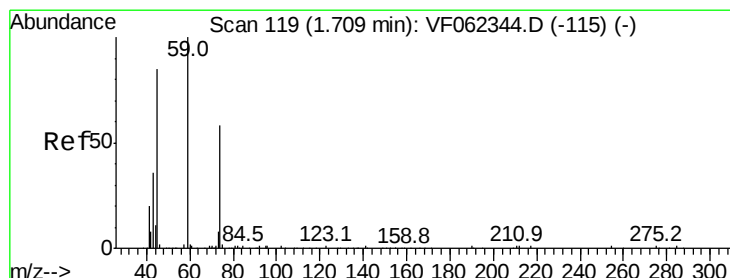
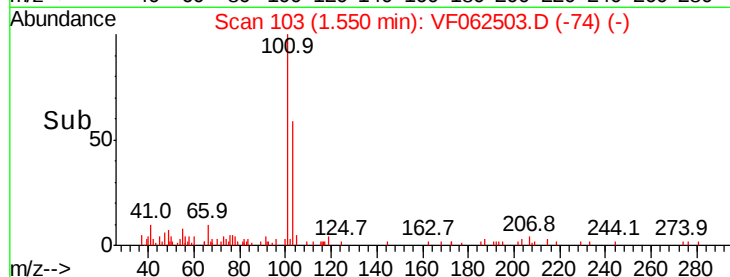
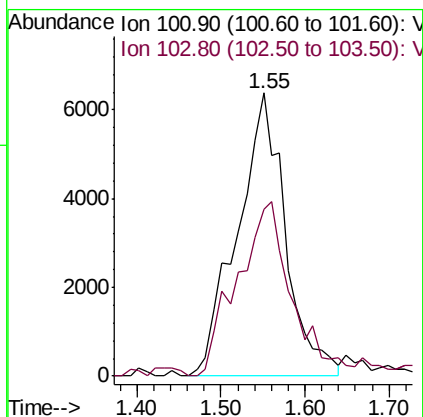
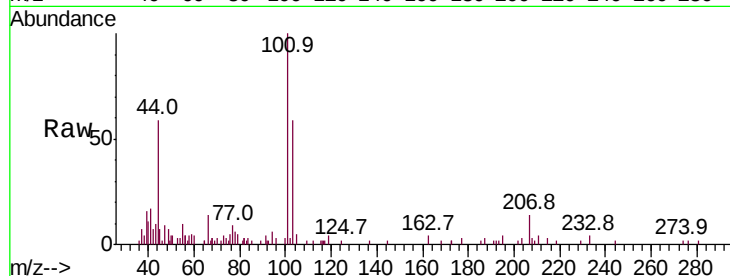
Trichlorofluoromethane
Concen: 101.897 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.7	48.5	72.7

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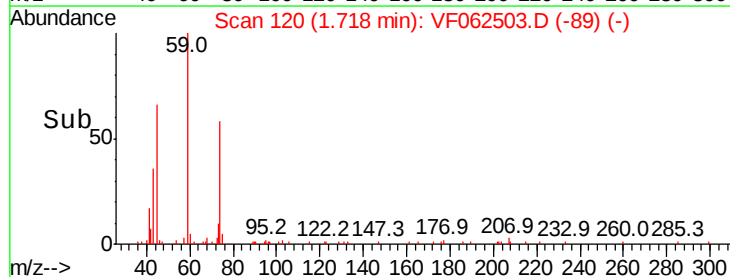
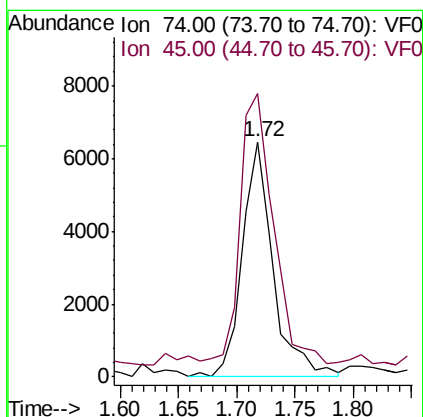
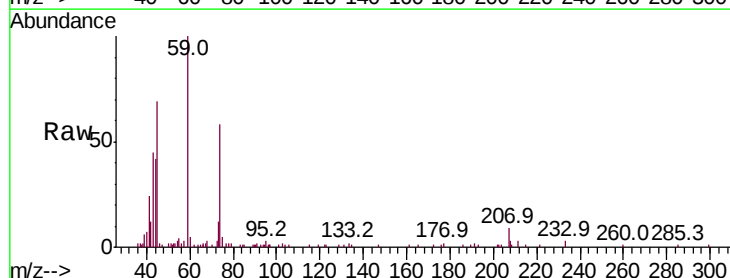
MMDadoda
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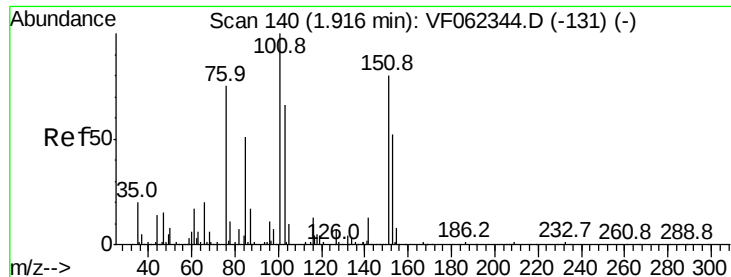


#8

Diethyl Ether
Concen: 313.392 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.9	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.608 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

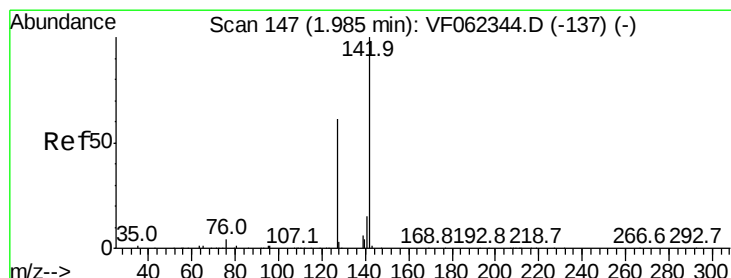
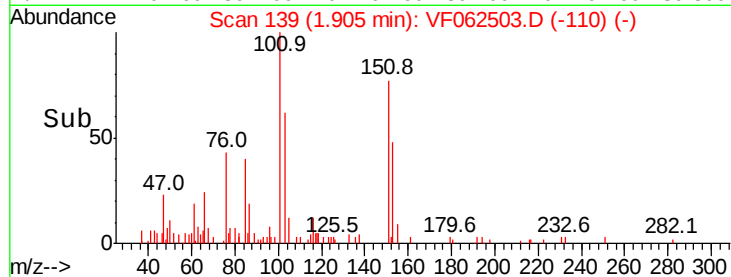
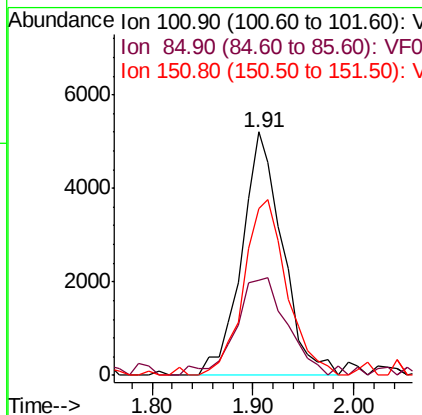
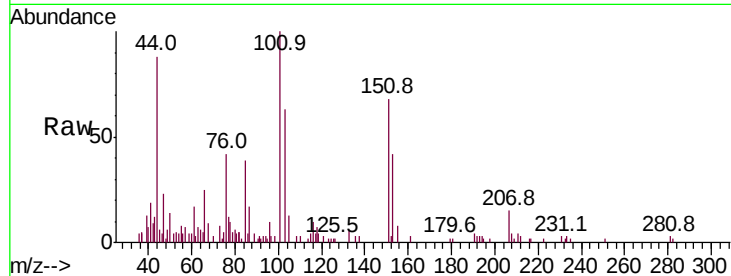
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	101	Resp:	14633
Ion Ratio	Lower	Upper	
101	100		
85	49.9	39.5	59.3
151	76.2	59.9	89.9

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#10

Methyl Iodide

Concen: 32.768 ug/l

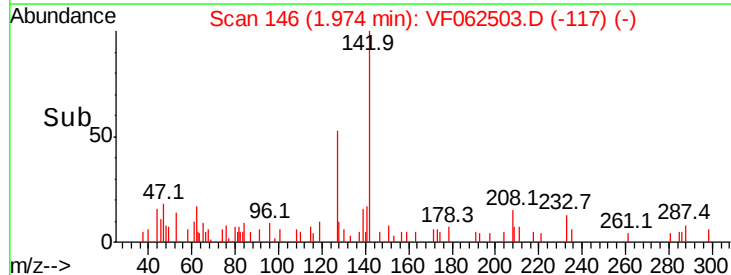
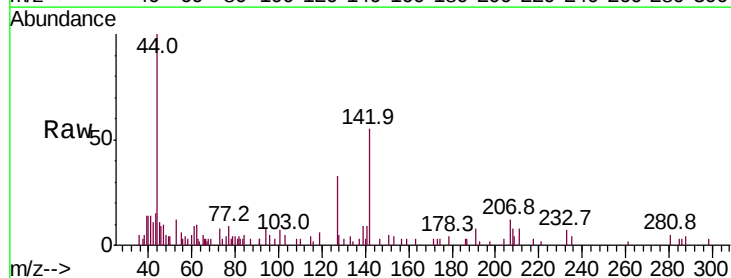
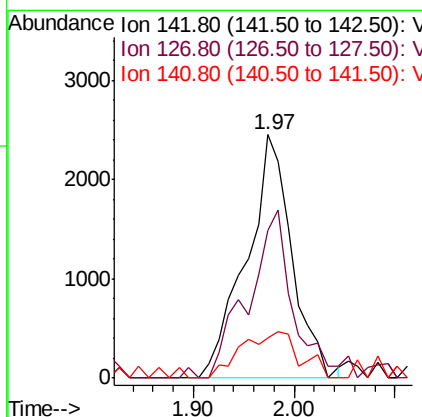
RT: 1.97 min Scan# 146

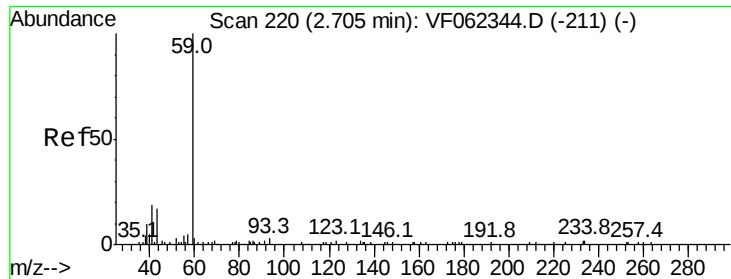
Delta R.T. -0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	142	Resp:	7701
Ion Ratio	Lower	Upper	
142	100		
127	69.7	48.4	72.6
141	24.1	12.2	18.4#





#11

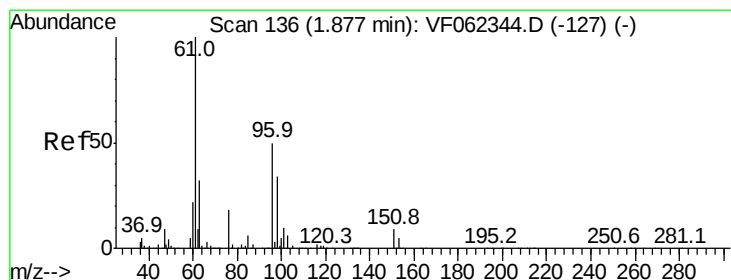
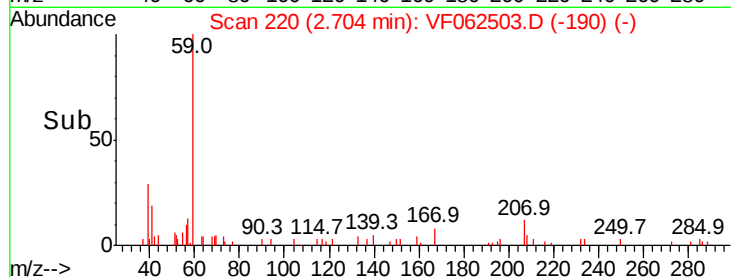
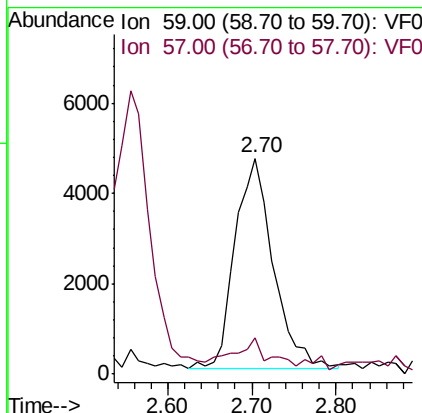
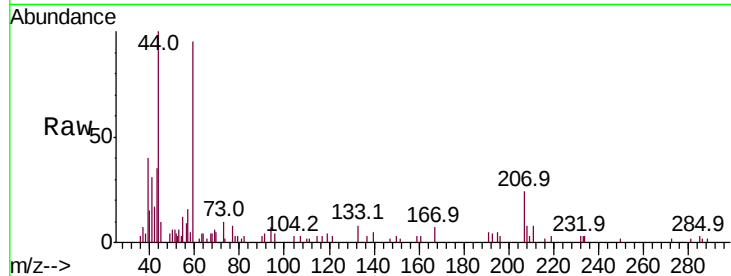
Tert butyl alcohol
Concen: 1744.753 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.9	9.3	13.9#

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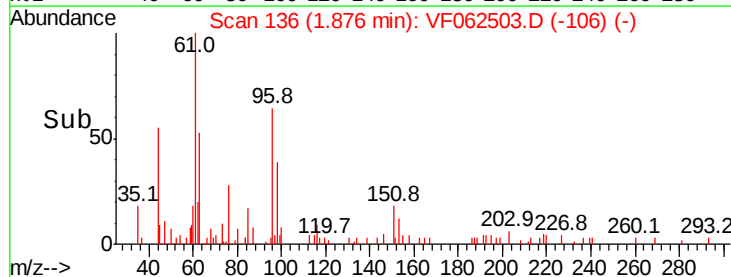
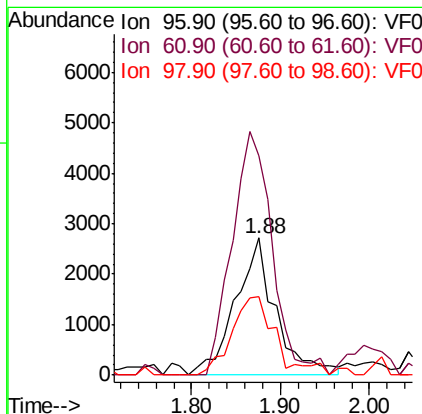
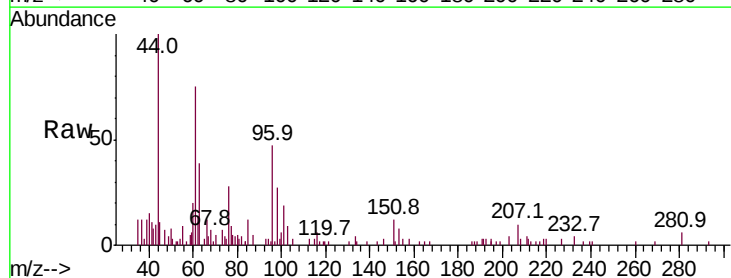
MMDadoda
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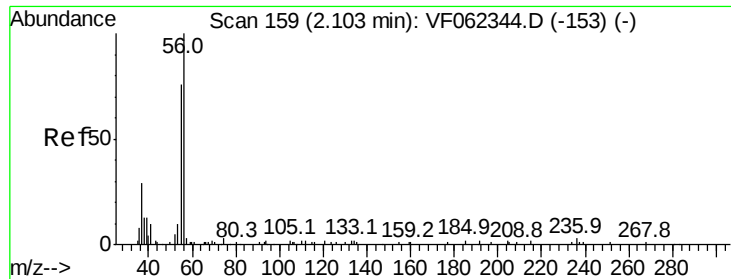


#12

1,1-Dichloroethene
Concen: 70.688 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	163.2	244.8#
98	57.2	55.2	82.8





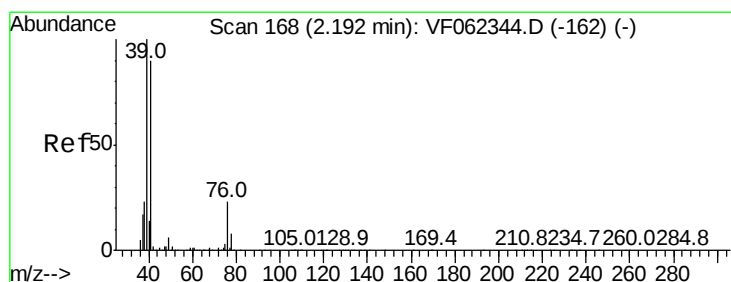
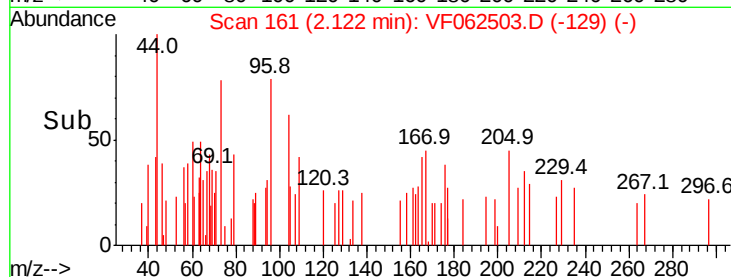
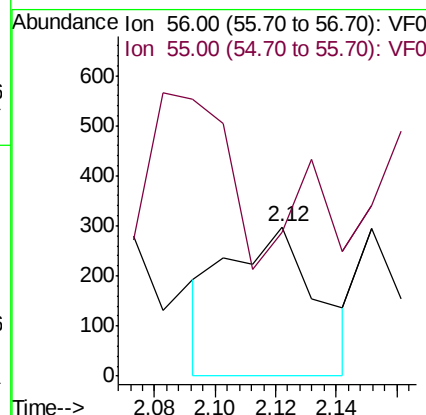
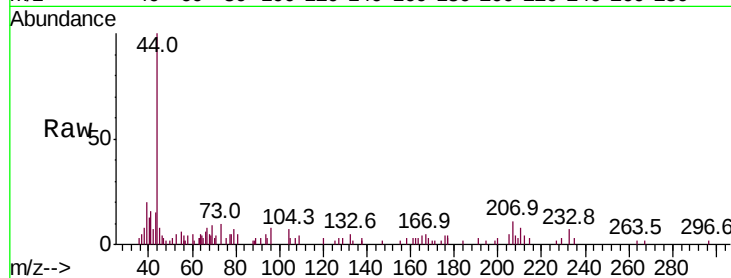
#13
Acrolein
Concen: 106.446 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion: 56 Resp: 619
Ion Ratio Lower Upper
56 100
55 17.4 58.4 87.6#

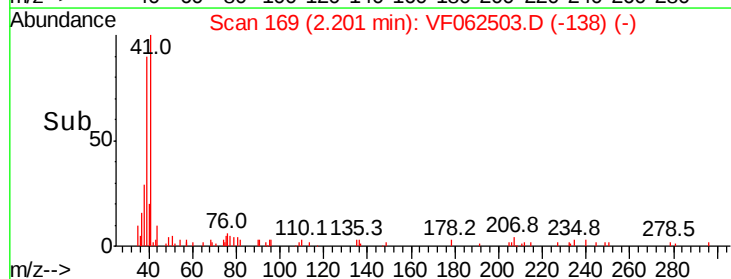
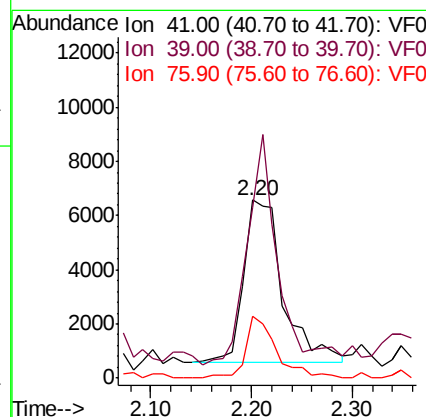
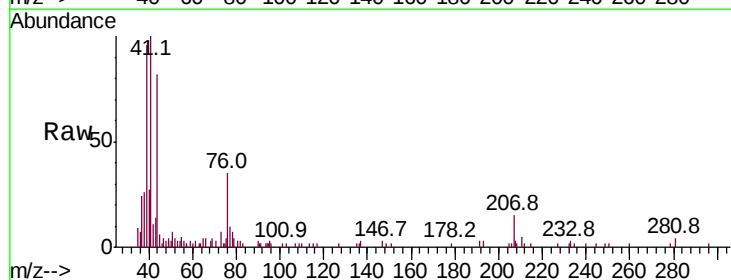
Manual Integrations
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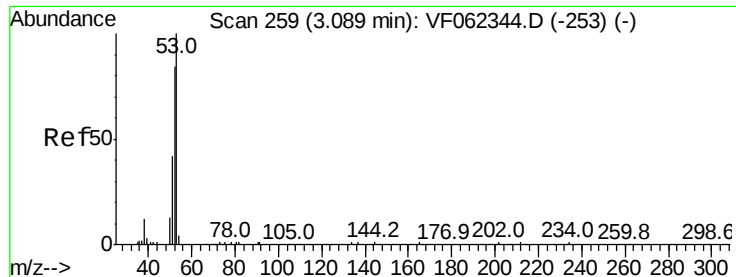
MMDadoda
5/13/2019 12:26:26 PM



#14
Allyl chloride
Concen: 150.231 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion: 41 Resp: 16089
Ion Ratio Lower Upper
41 100
39 106.0 90.8 136.2
76 30.6 22.2 33.4





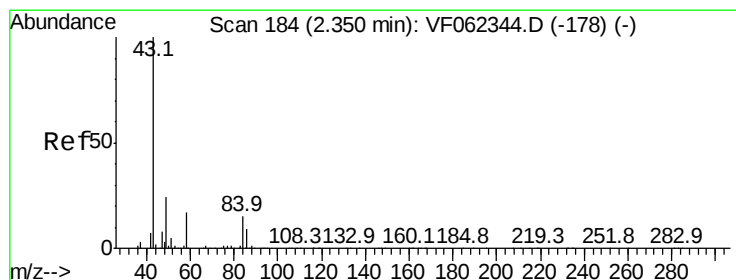
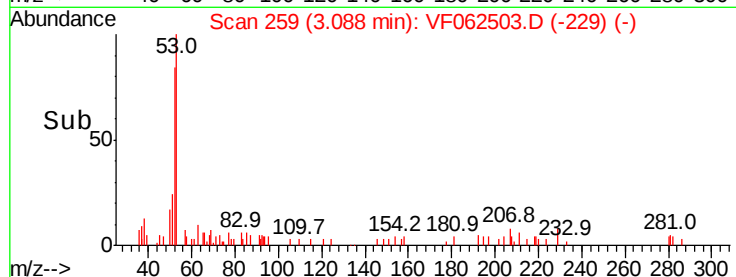
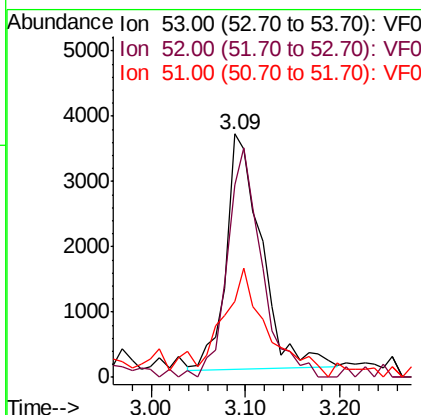
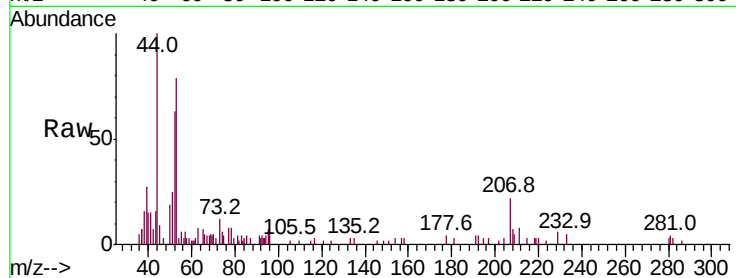
#15
 Acrylonitrile
 Concen: 585.734 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. -0.00 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	94.5	77.2	115.8
51	62.7	40.6	61.0

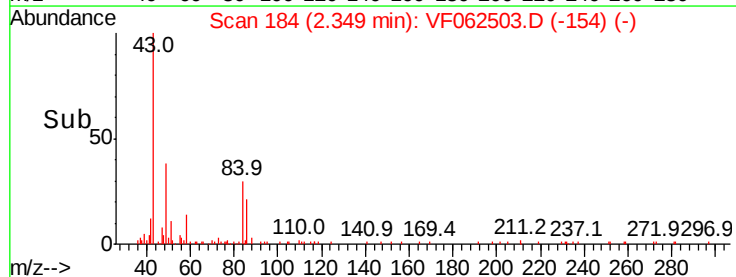
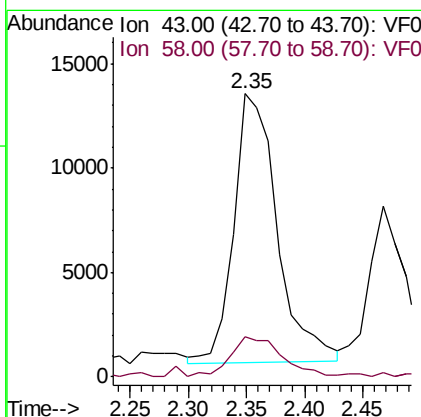
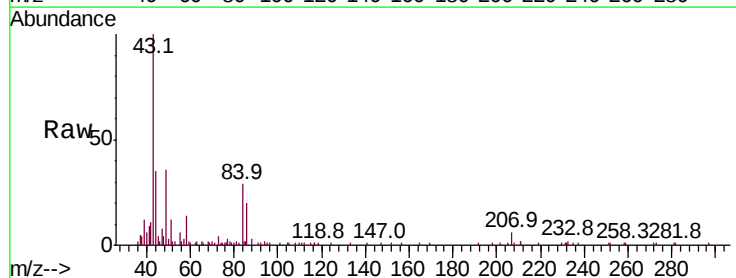
Manual Integrations
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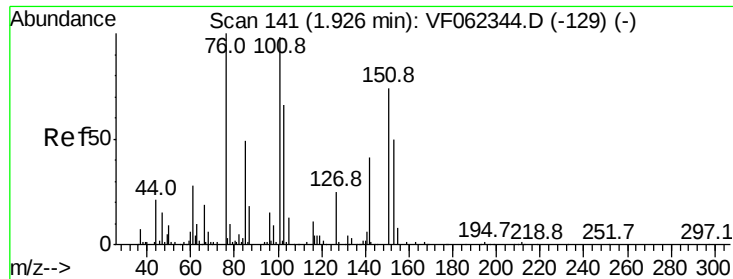
MMDadoda
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#16
 Acetone
 Concen: 1102.132 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	15.5	13.1	19.7





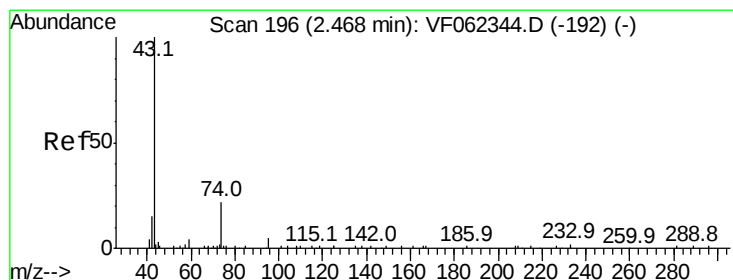
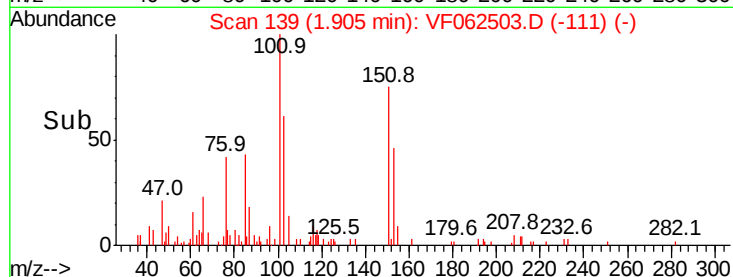
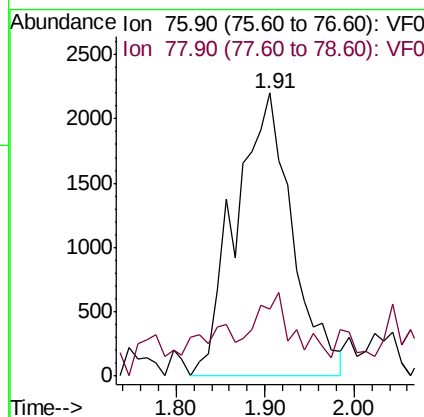
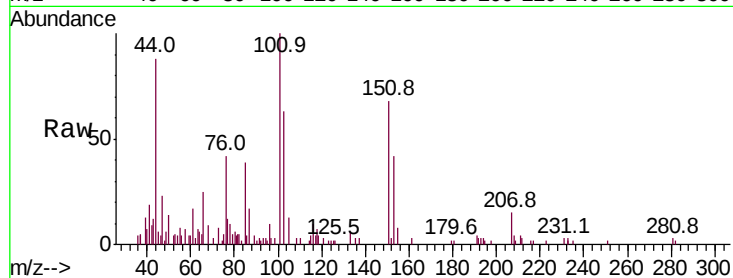
#17
Carbon Disulfide
Concen: 36.996 ug/l
RT: 1.91 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion: 76 Resp: 9780
Ion Ratio Lower Upper
76 100
78 10.0 9.0 13.4

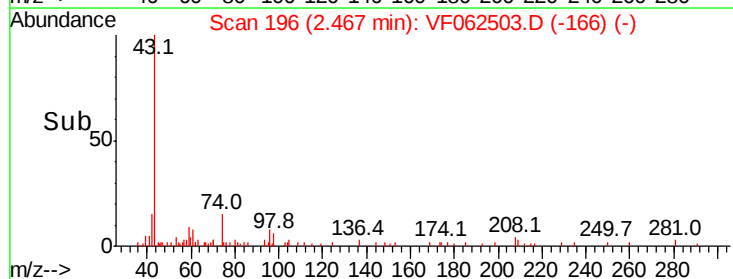
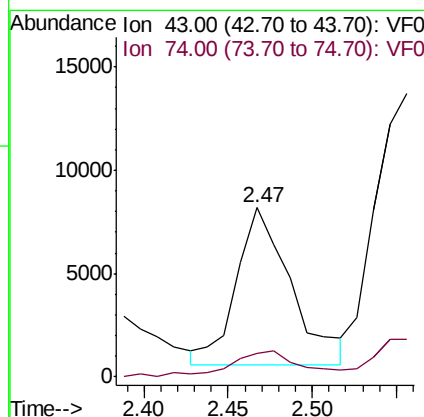
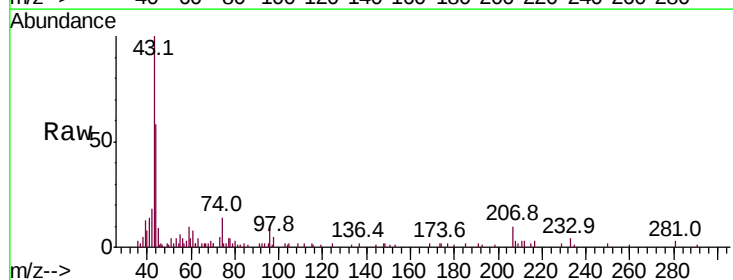
Manual Integrations
APPROVED

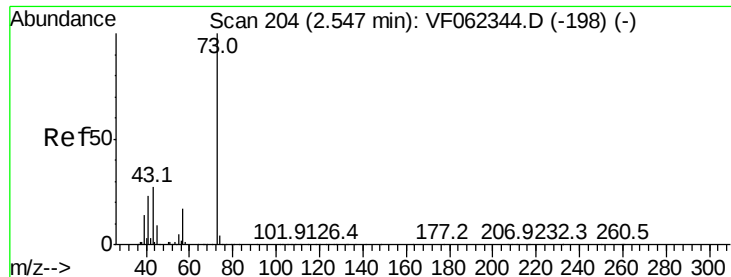
MMDadoda
5/13/2019 12:26:26 PM



#18
Methyl Acetate
Concen: 332.725 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion: 43 Resp: 17367
Ion Ratio Lower Upper
43 100
74 21.5 15.0 22.4





#19

Methyl tert-butyl Ether

Concen: 399.667 ug/l

RT: 2.56 min Scan# 205

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :
MSVOA_F

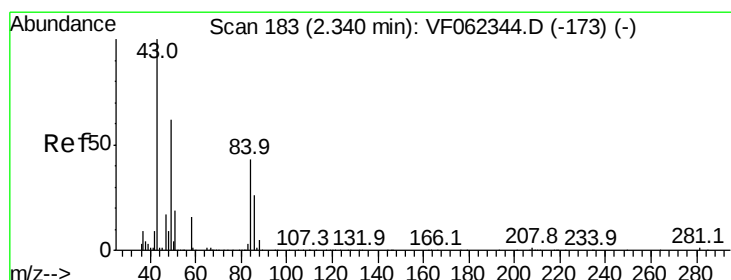
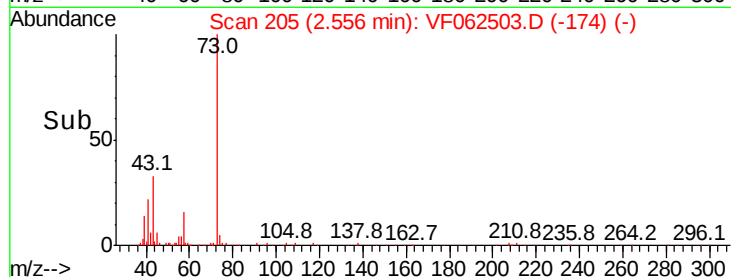
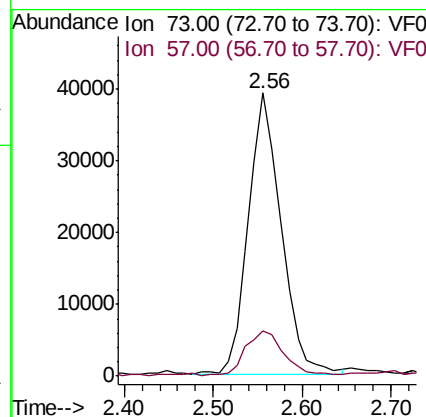
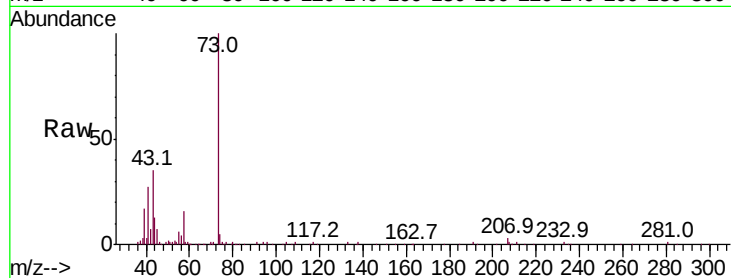
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion: 73 Resp: 100022

Ion	Ratio	Lower	Upper
73	100		
57	15.3	13.7	20.5

Manual Integrations
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#20

Methylene Chloride

Concen: 245.699 ug/l

RT: 2.30 min Scan# 179

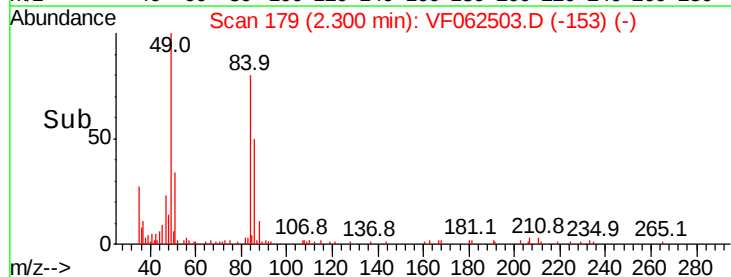
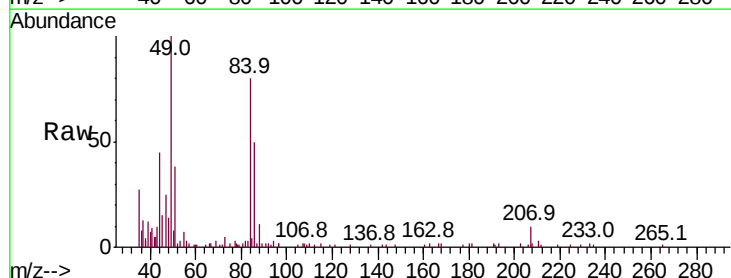
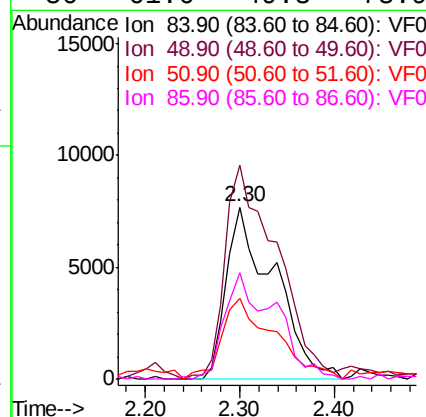
Delta R.T. -0.04 min

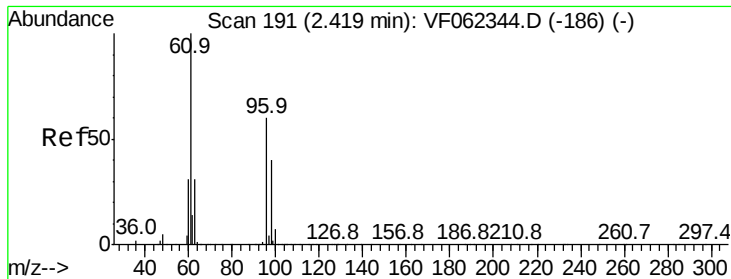
Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion: 84 Resp: 26873

Ion	Ratio	Lower	Upper
84	100		
49	122.2	117.5	176.3
51	46.8	37.0	55.4
86	61.6	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 65.268 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

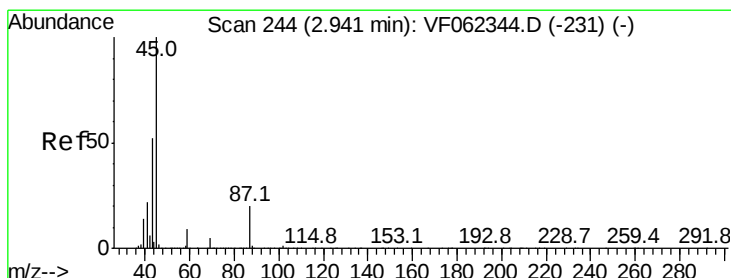
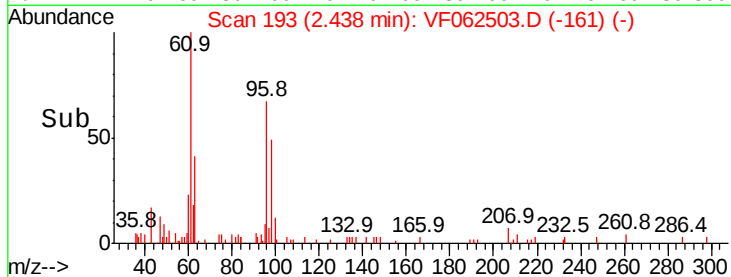
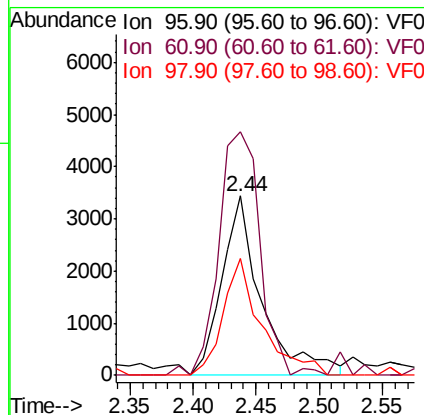
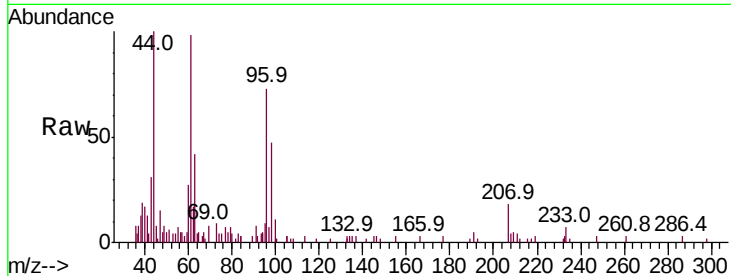
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	96	Resp:	7539
Ion	Ratio	Lower	Upper
96	100		
61	135.6	133.2	199.8
98	64.9	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 301.817 ug/l

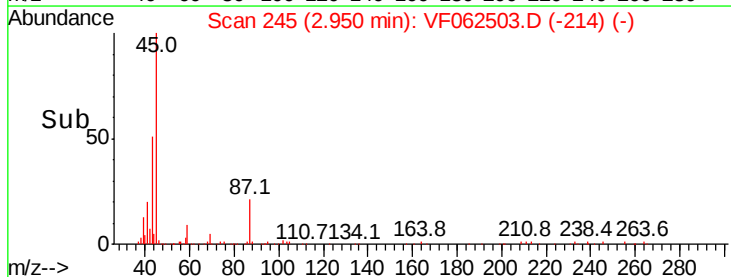
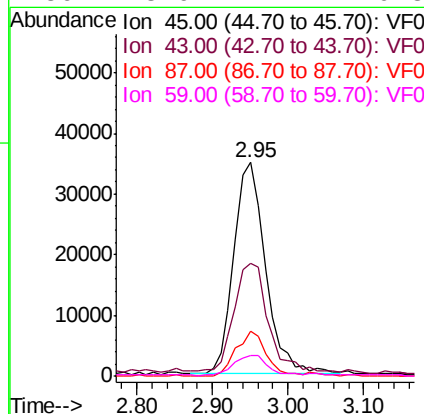
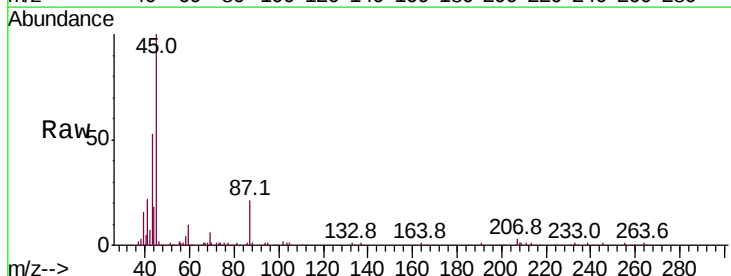
RT: 2.95 min Scan# 245

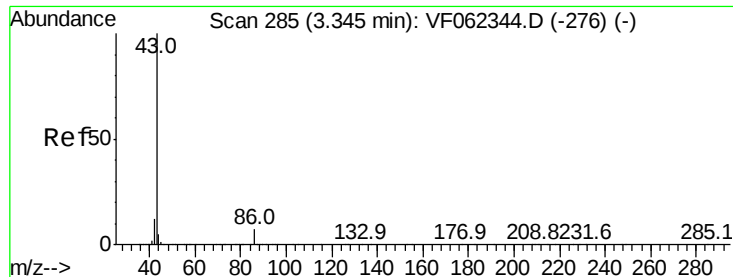
Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	45	Resp:	101023
Ion	Ratio	Lower	Upper
45	100		
43	51.3	41.4	62.0
87	21.0	15.8	23.6
59	8.9	7.2	10.8





#23

Vinyl Acetate

Concen: 1.683 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

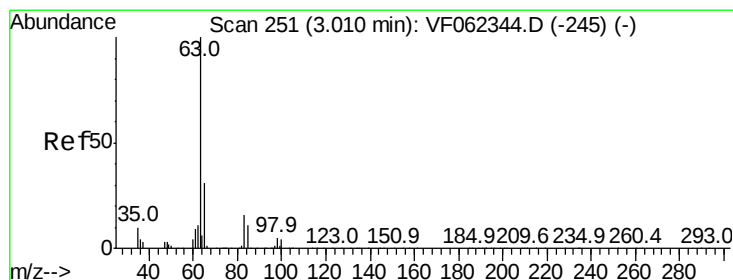
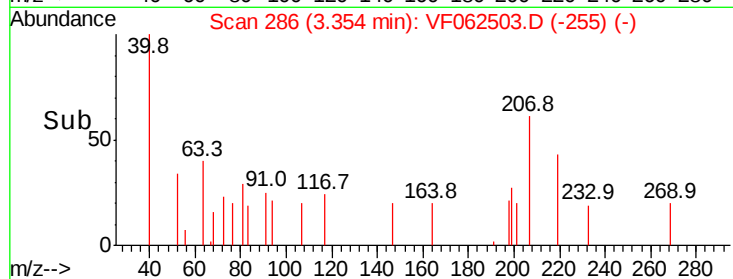
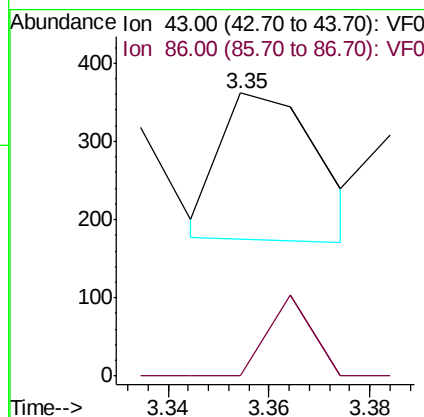
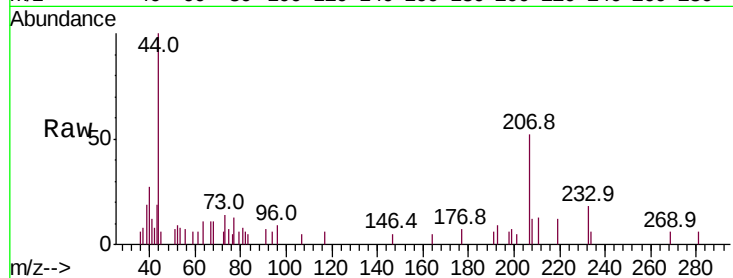
86 0.0 5.7 8.5#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 179.554 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

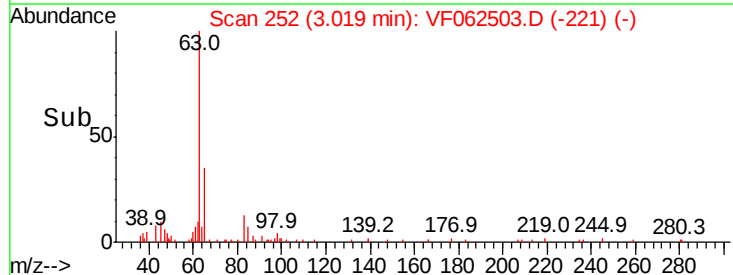
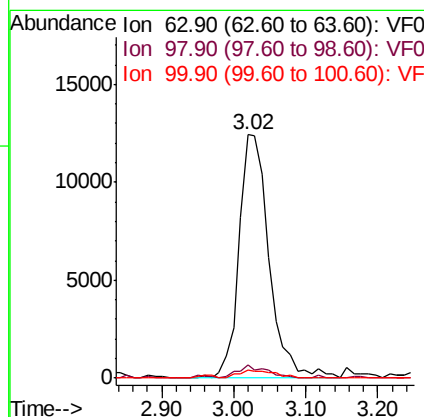
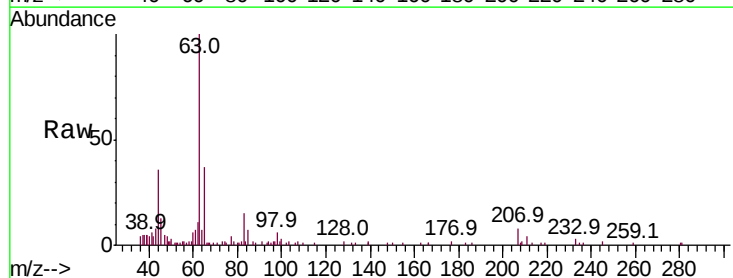
Tgt Ion: 63 Resp: 36323

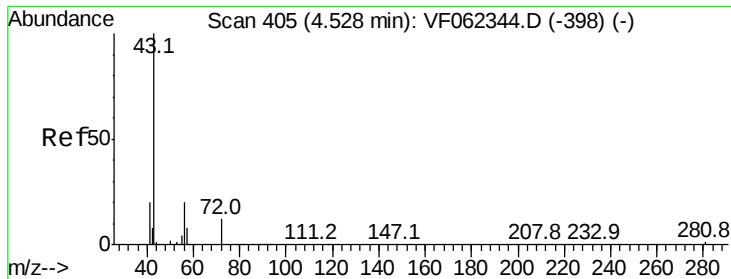
Ion Ratio Lower Upper

63 100

98 5.7 2.6 8.0

100 3.1 1.8 5.4





#25

2-Butanone

Concen: 90.549 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 43 Resp: 3439

Ion Ratio Lower Upper

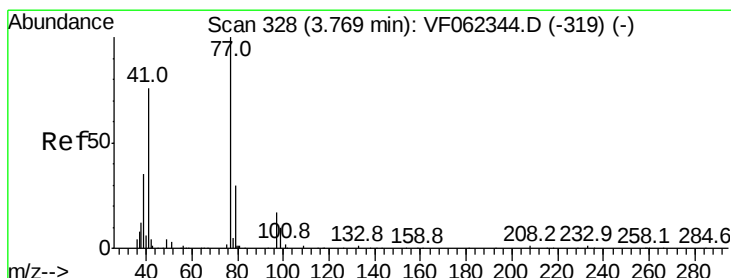
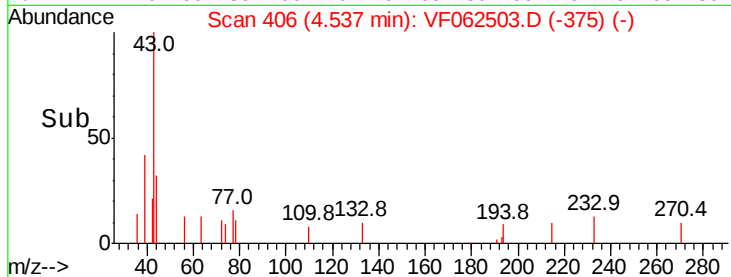
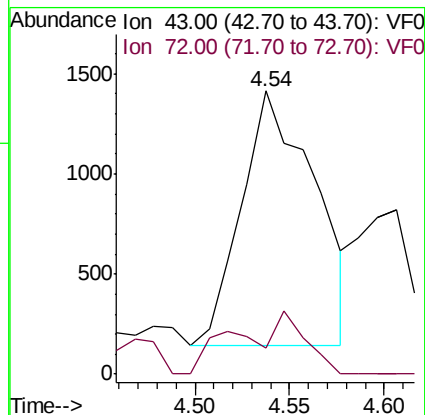
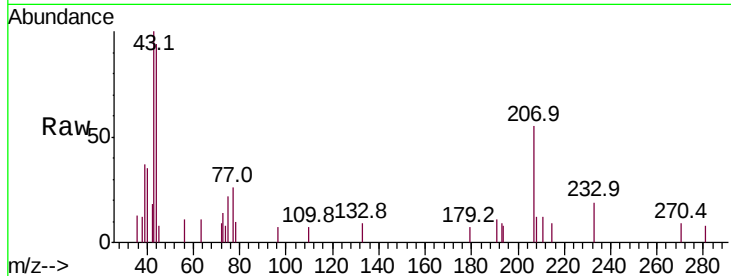
43 100

72 10.4 14.2 21.4#

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#26

2,2-Dichloropropane

Concen: 80.950 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF062503.D

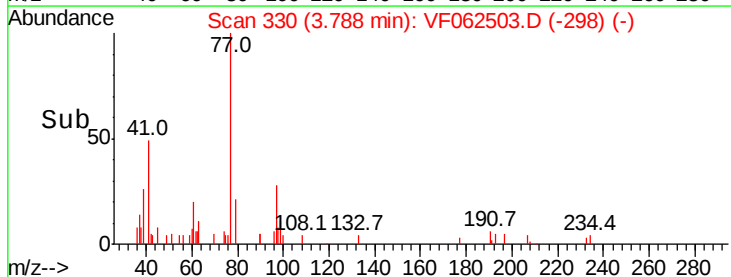
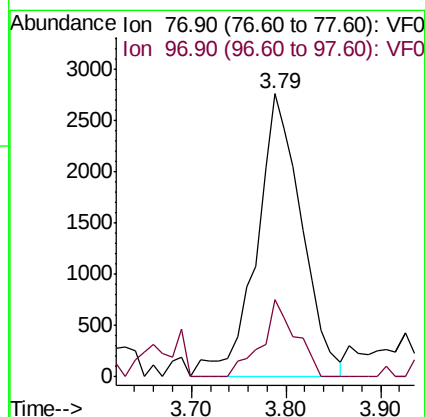
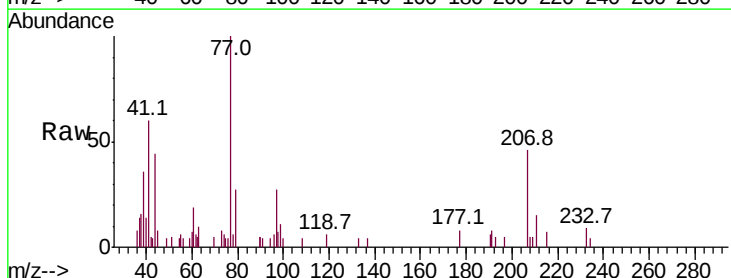
Acq: 12 May 2019 15:17

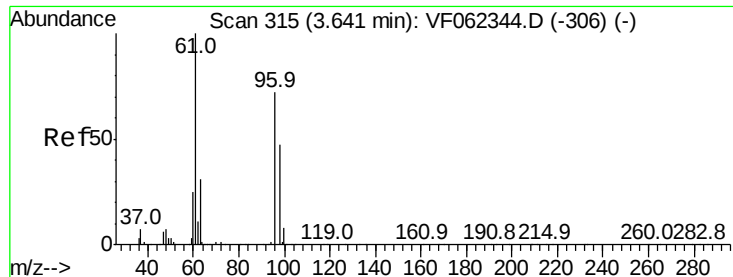
Tgt Ion: 77 Resp: 9145

Ion Ratio Lower Upper

77 100

97 20.6 9.5 28.5





#27

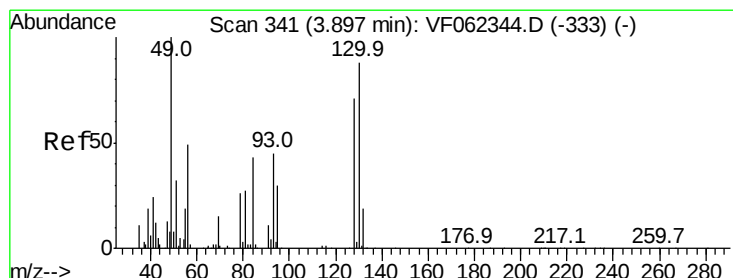
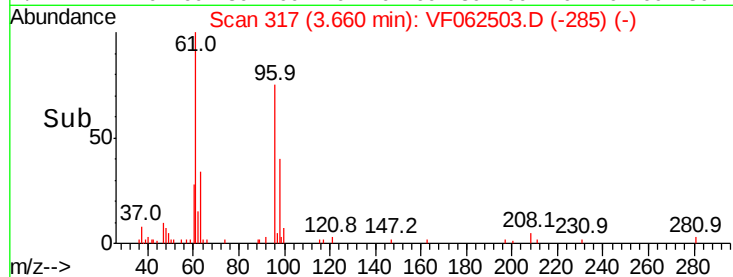
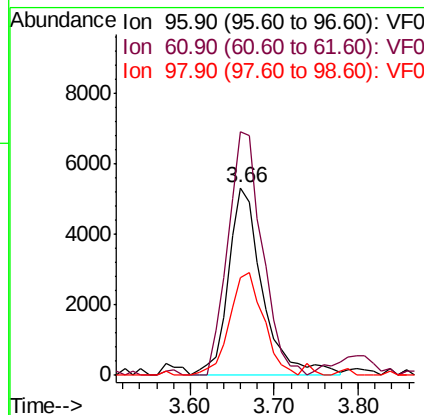
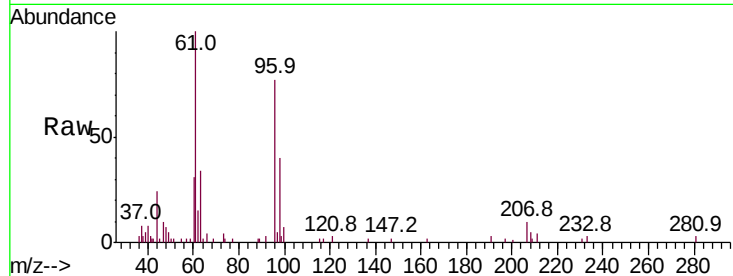
cis-1,2-Dichloroethene
Concen: 104.552 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	15096		
61	130.0	0.0	263.0	
98	54.0	0.0	130.8	

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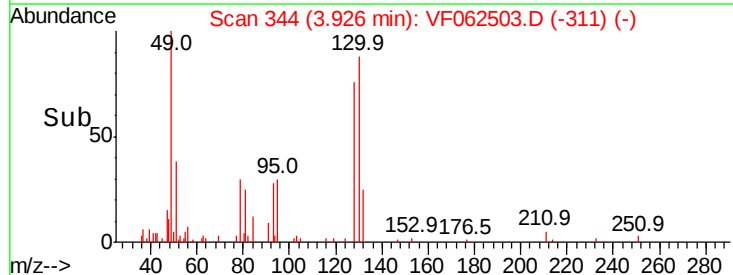
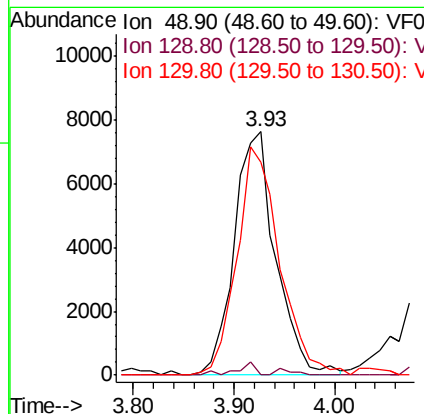
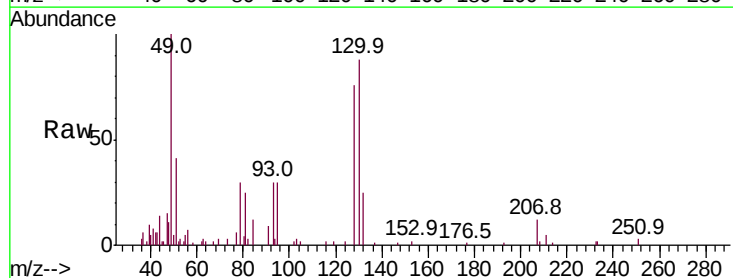
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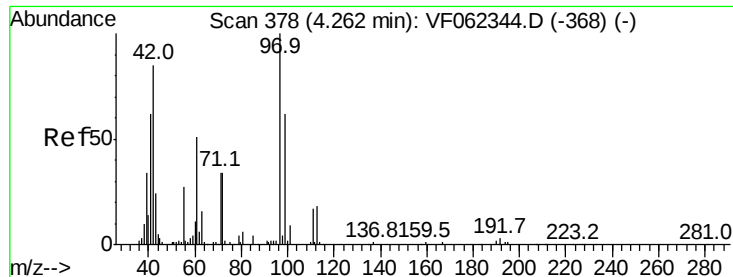


#28

Bromochloromethane
Concen: 238.006 ug/l
RT: 3.93 min Scan# 344
Delta R.T. 0.03 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21836		
129	2.3	0.0	2.2#	
130	96.5	79.4	119.0	





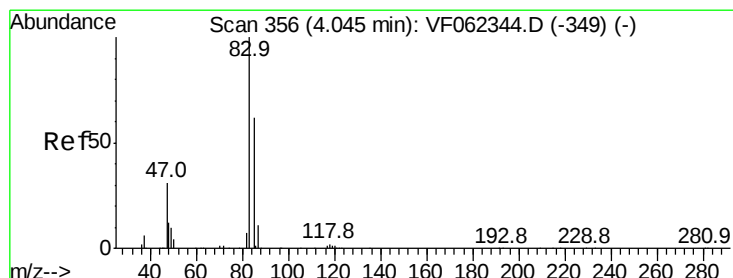
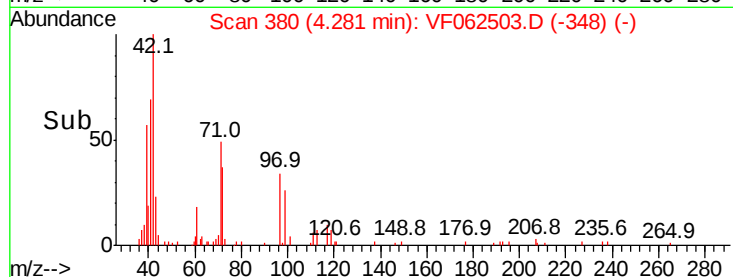
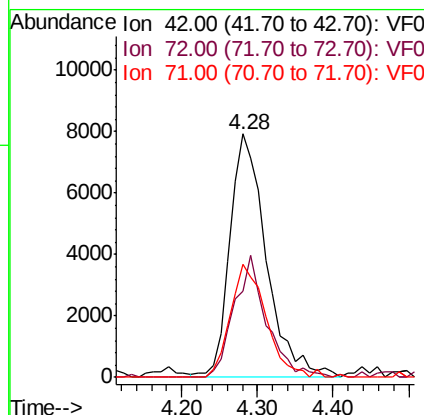
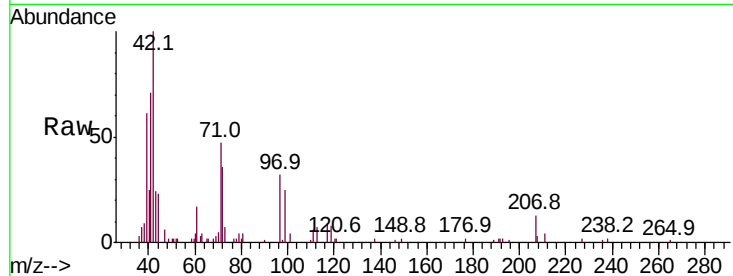
#29
Tetrahydrofuran
Concen: 1513.649 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	31.4	47.0
71	45.2	31.7	47.5

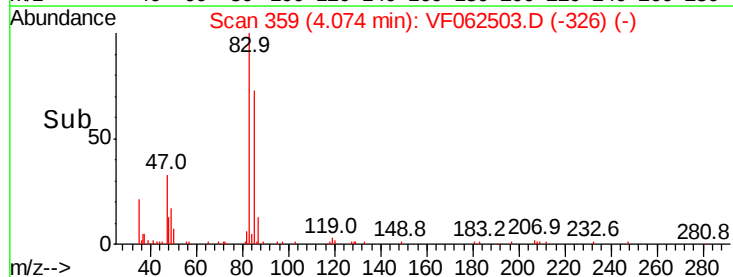
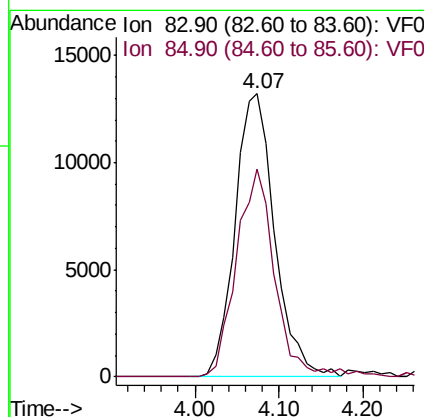
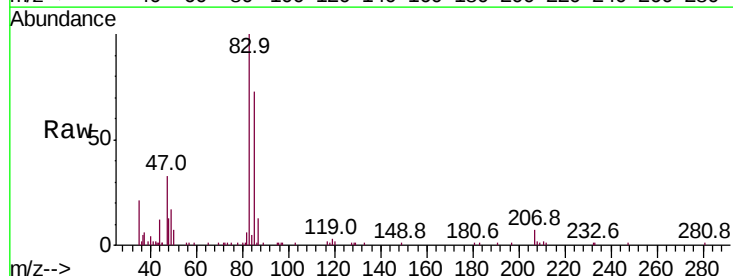
Manual Integrations
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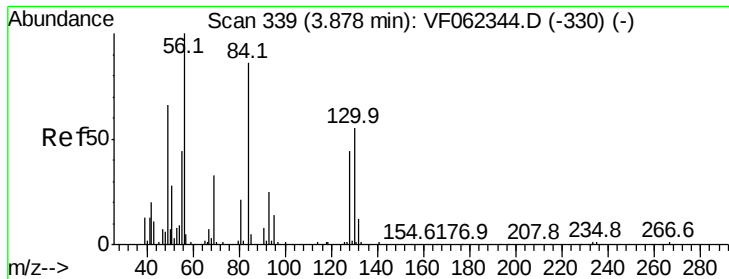
MMDadoda
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#30
Chloroform
Concen: 158.440 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.03 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.3	49.6	74.4





#31

Cyclohexane

Concen: 26.048 ug/l

RT: 3.92 min Scan# 343

Delta R.T. 0.04 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

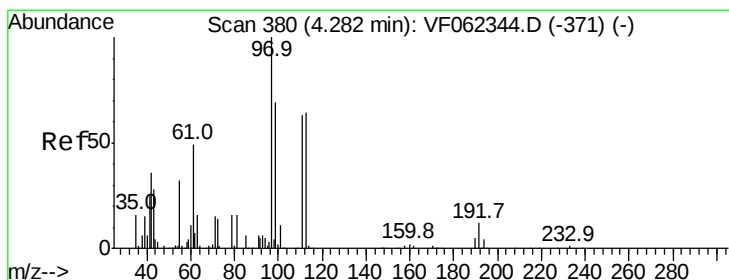
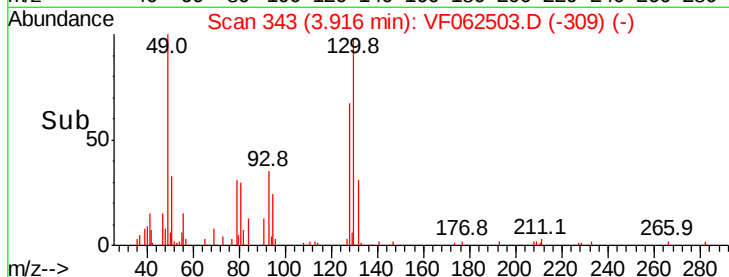
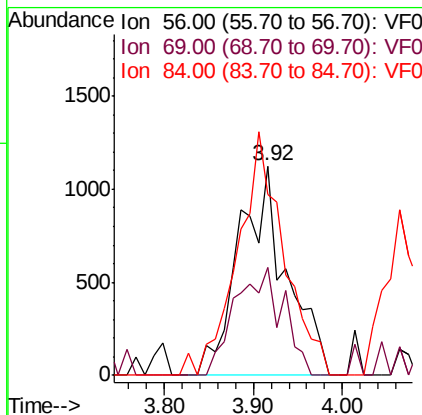
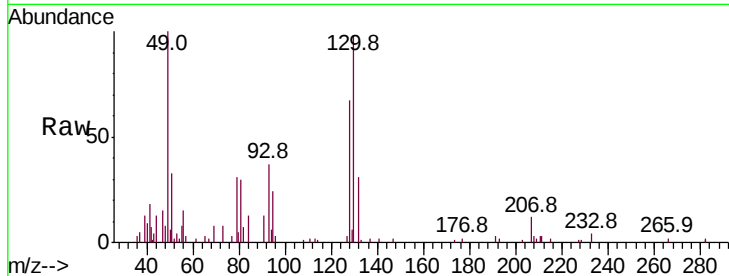
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	56	Resp:	4206
Ion Ratio	Lower	Upper	
56	100		
69	51.3	26.4	39.6#
84	86.1	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 106.760 ug/l

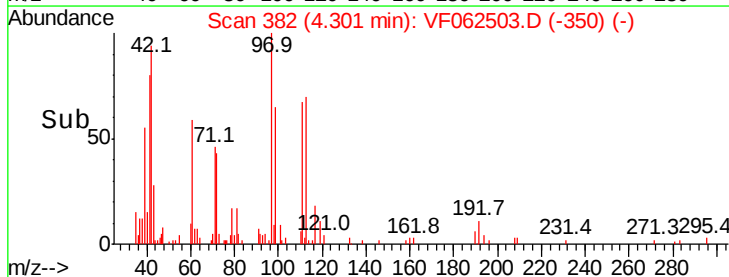
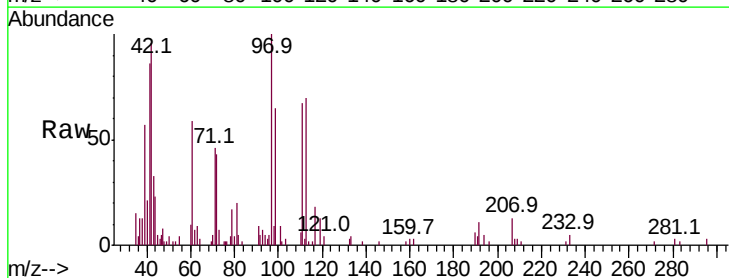
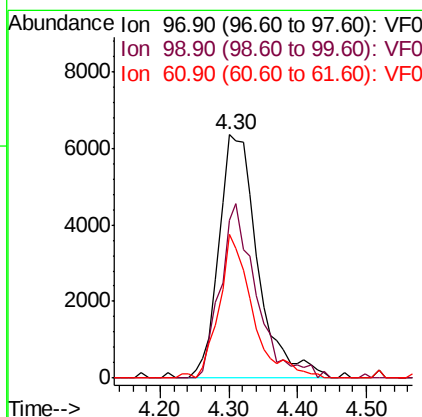
RT: 4.30 min Scan# 382

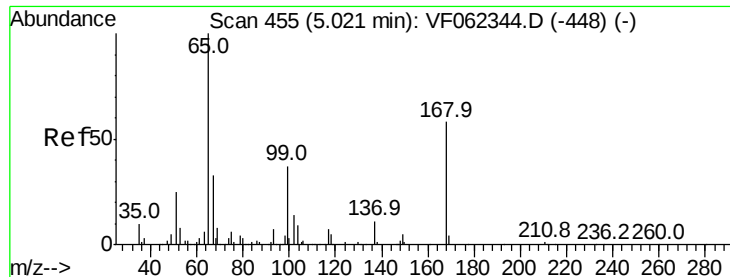
Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	97	Resp:	25007
Ion Ratio	Lower	Upper	
97	100		
99	66.1	52.6	78.8
61	51.0	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 209.603 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 65 Resp: 31323

Ion Ratio Lower Upper

65 100

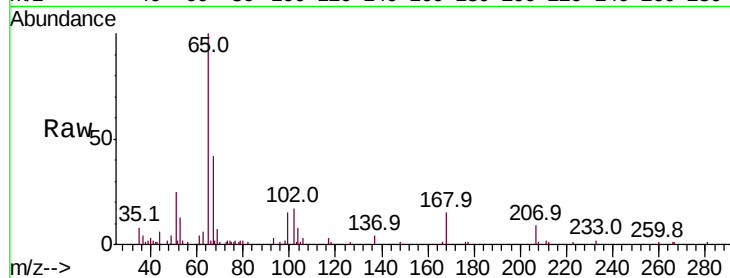
67 46.6 0.0 85.8

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Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

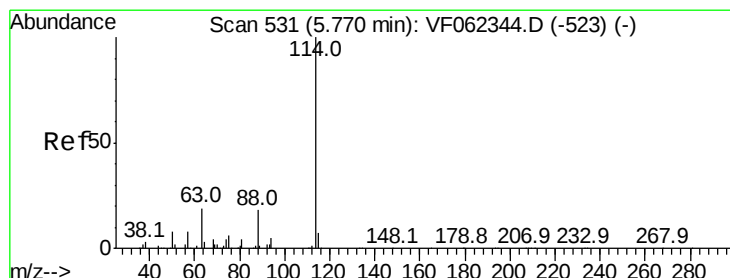
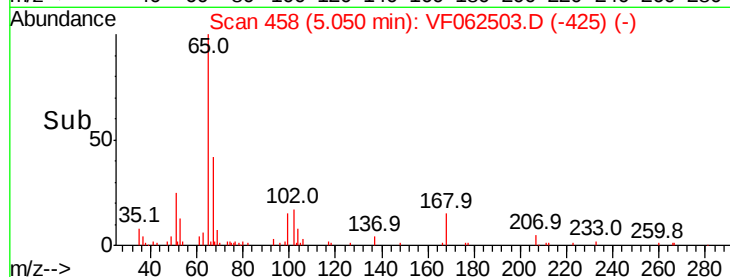
5.05

10000

5000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

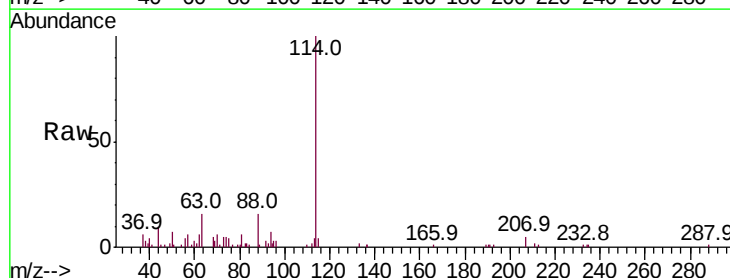
Tgt Ion: 114 Resp: 24298

Ion Ratio Lower Upper

114 100

63 15.7 0.0 37.4

88 16.2 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

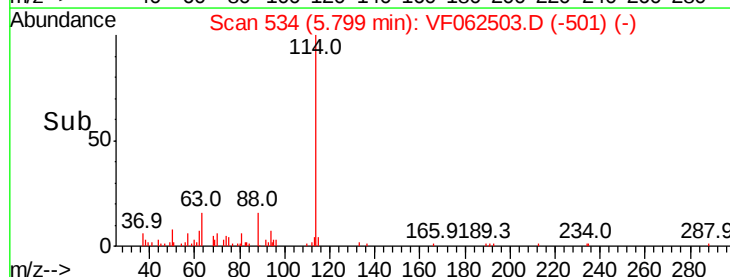
5.80

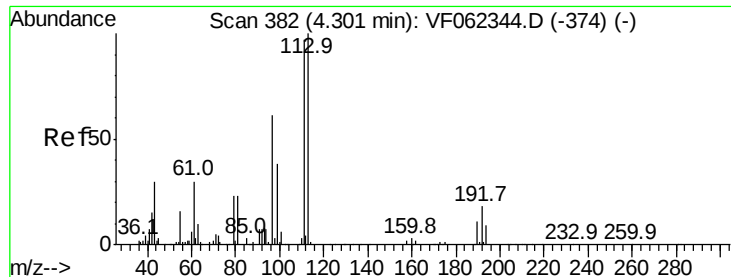
10000

5000

0

Time-->





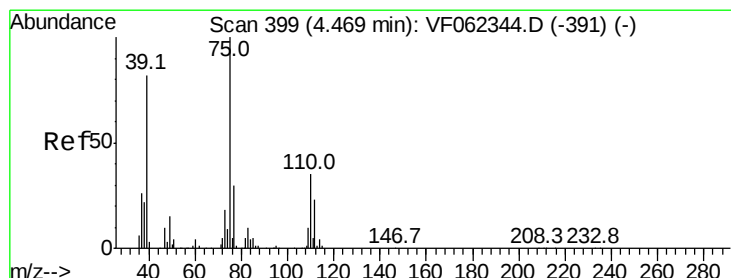
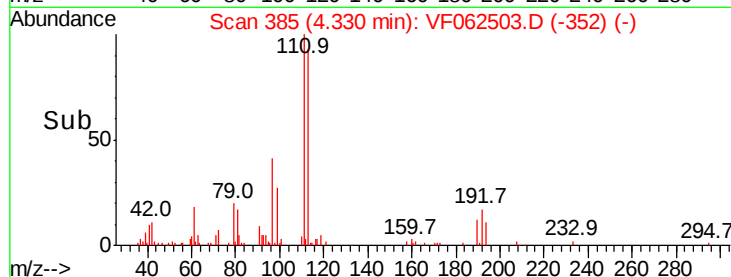
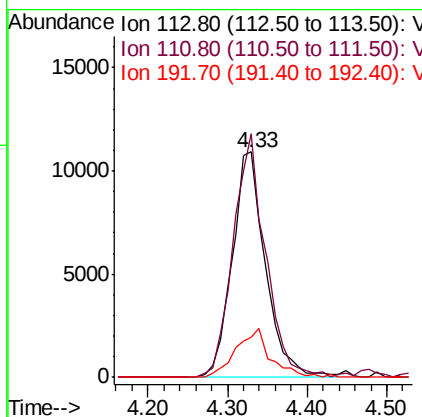
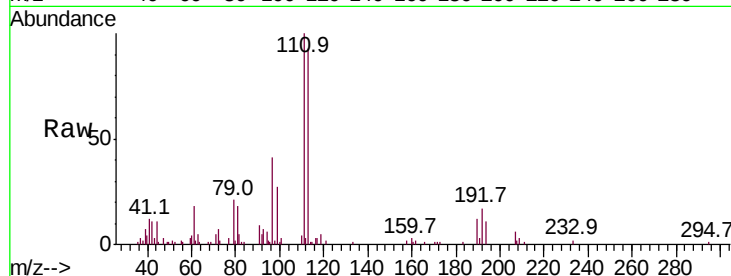
#35
 Dibromofluoromethane
 Concen: 164.817 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.03 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	79.4	119.0
192	22.2	16.0	24.0

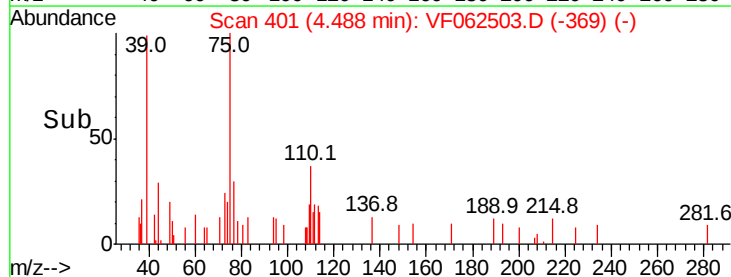
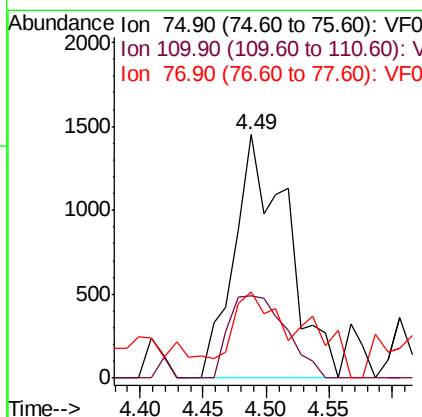
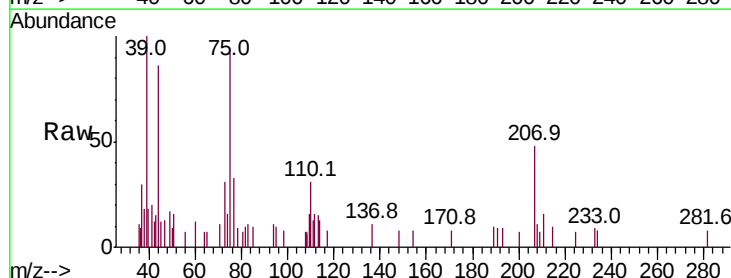
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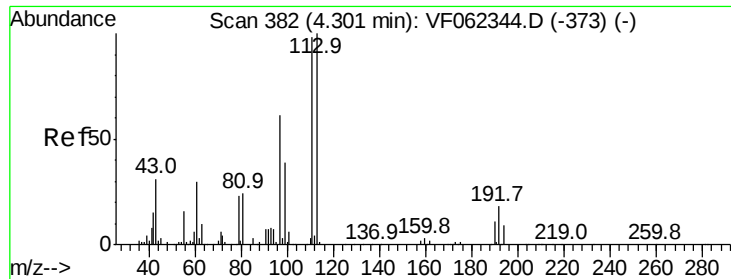
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#36
 1,1-Dichloropropene
 Concen: 20.328 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.02 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.2	51.5
77	22.2	25.2	37.8#





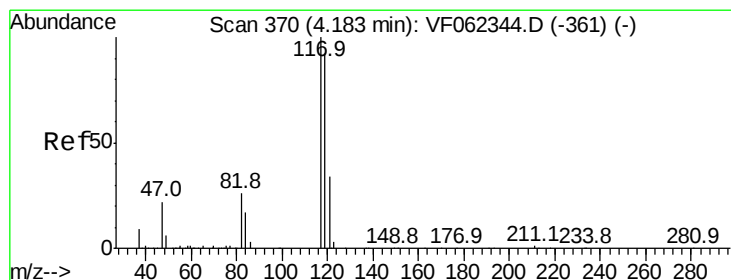
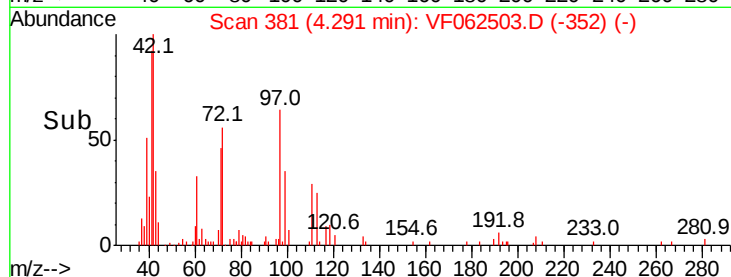
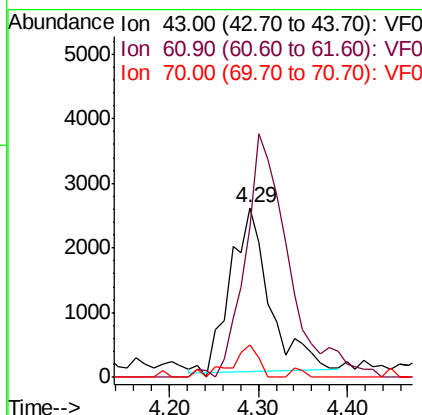
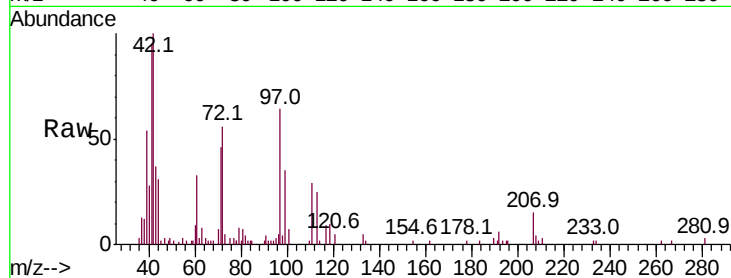
#37
Ethyl Acetate
Concen: 101.007 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100	7773		
61	163.9	0.0	0.0#	
70	13.4	8.2	12.2#	

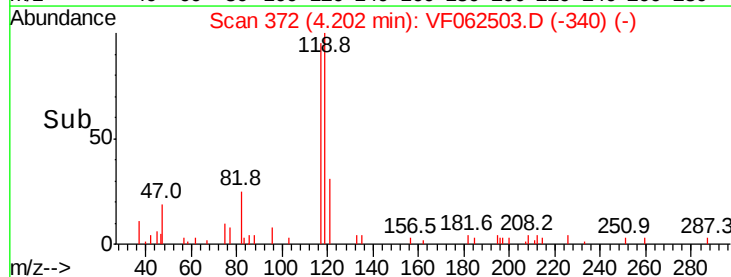
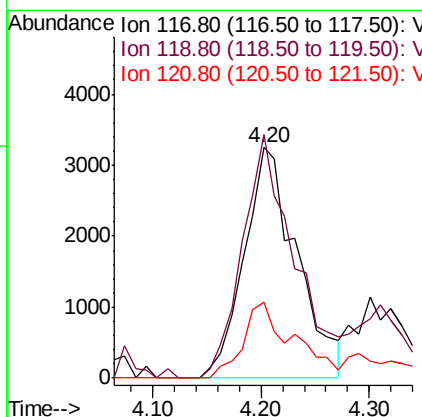
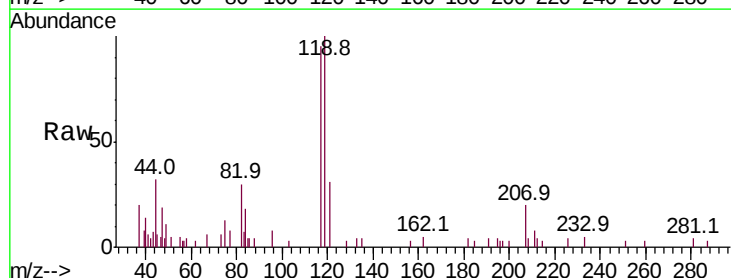
Manual Integrations
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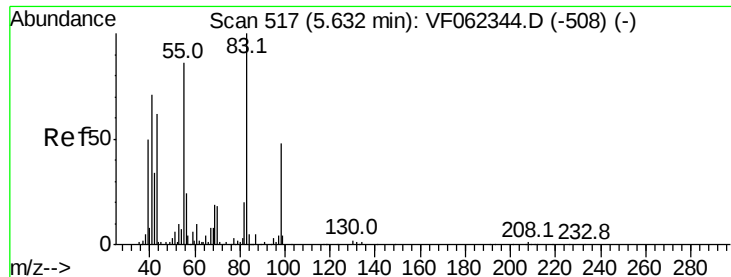
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.144 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11059		
119	105.6	73.4	110.2	
121	32.9	27.4	41.0	





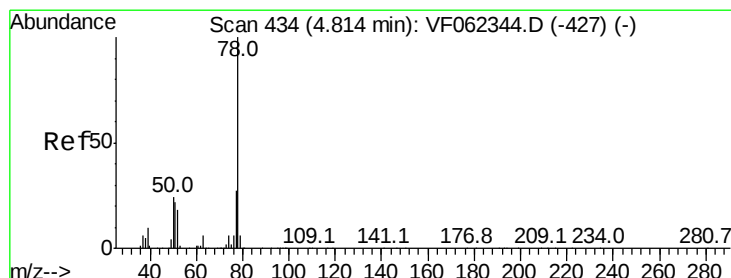
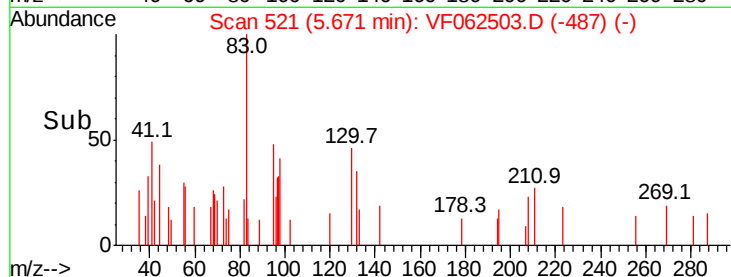
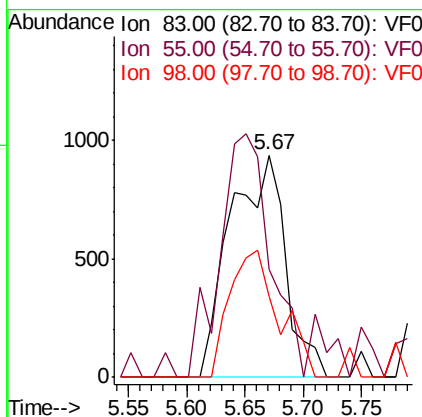
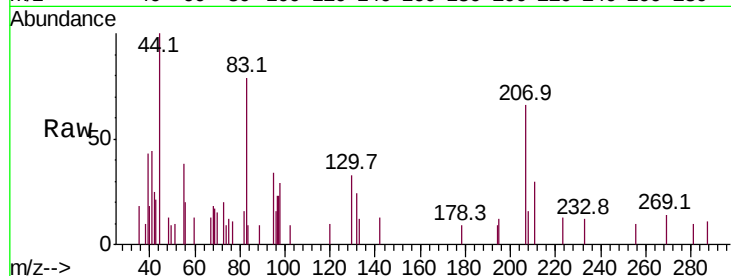
#39
Methvlcvclohexane
Concen: 14.718 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.04 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	48.4	69.0	103.6#
98	36.2	38.6	58.0#

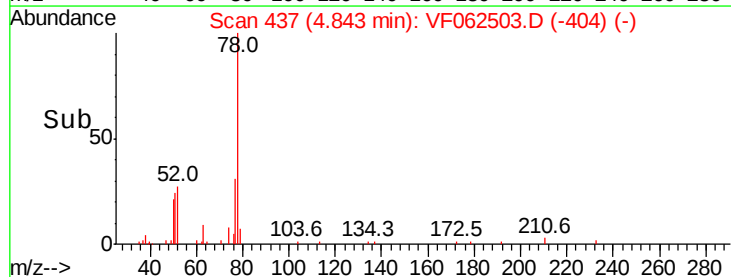
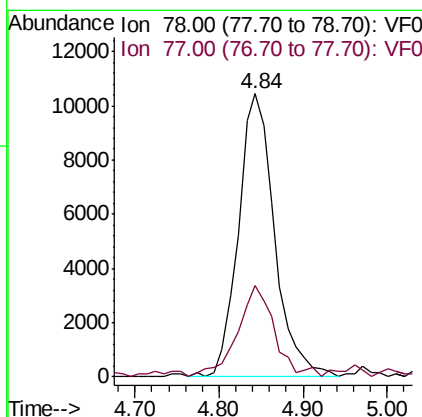
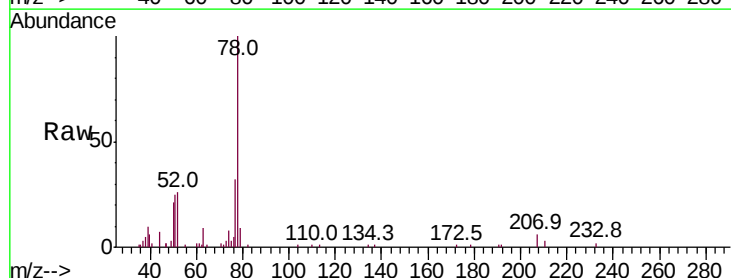
Manual Integrations
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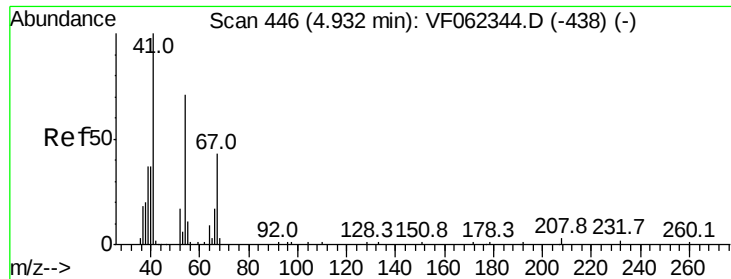
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#40
Benzene
Concen: 68.100 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.03 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	32.2	21.6	32.4





#41

Methacrylonitrile

Concen: 23.677 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 41 Resp: 1185

Ion Ratio Lower Upper

41 100

39 84.1 54.3 81.5#

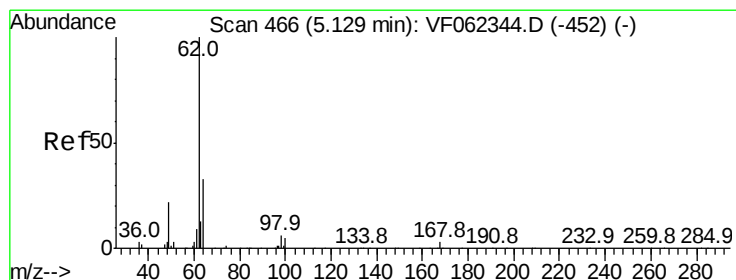
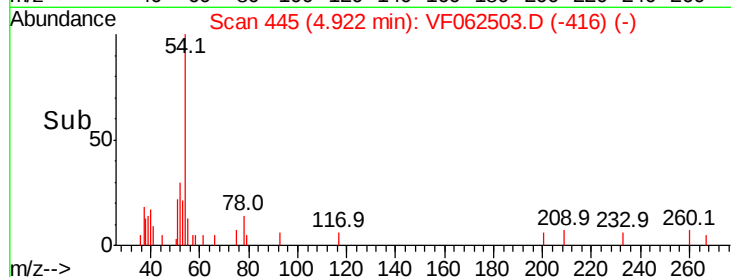
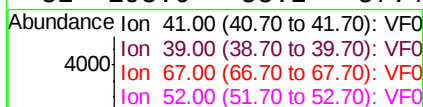
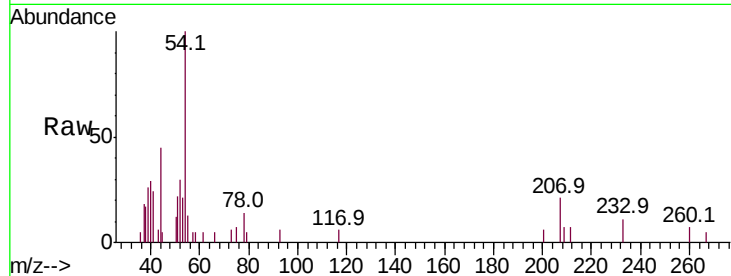
67 0.0 37.8 56.8#

52 198.0 58.2 87.4#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 159.820 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.02 min

Lab File: VF062503.D

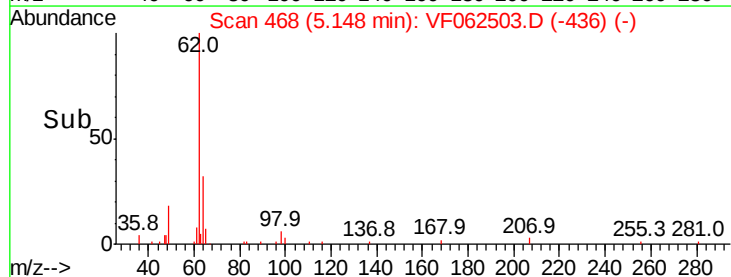
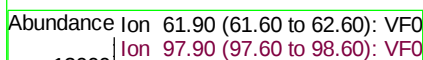
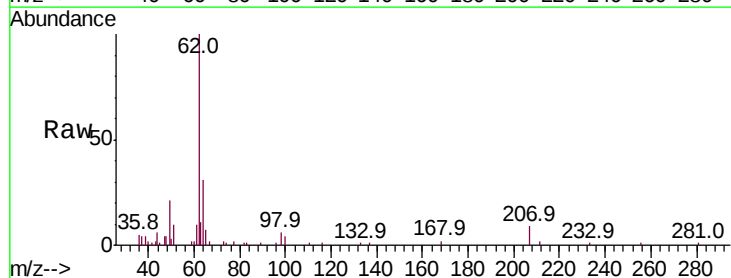
Acq: 12 May 2019 15:17

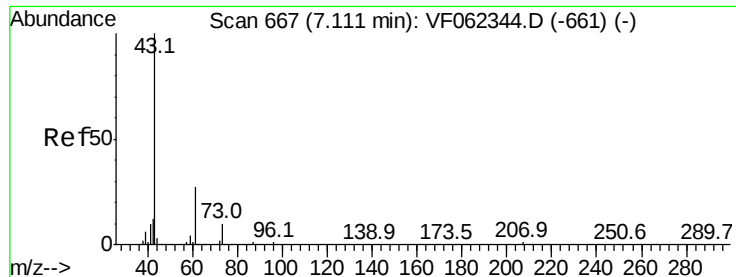
Tgt Ion: 62 Resp: 30723

Ion Ratio Lower Upper

62 100

98 6.3 0.0 12.4





#43

Isopropyl Acetate

Concen: 5.709 ug/l

RT: 7.19 min Scan# 675

Delta R.T. 0.08 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

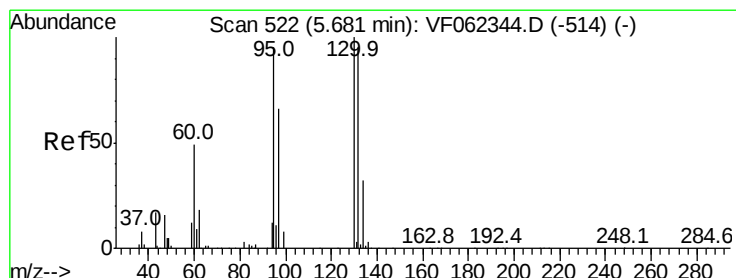
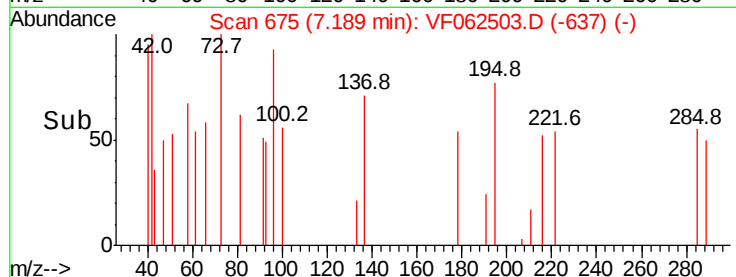
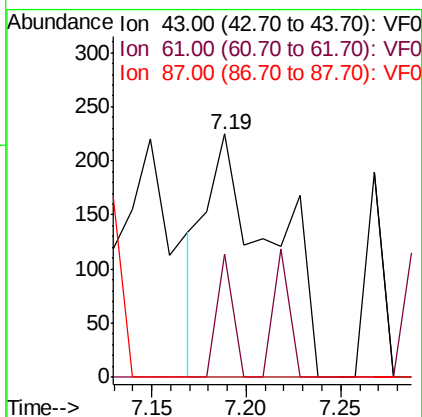
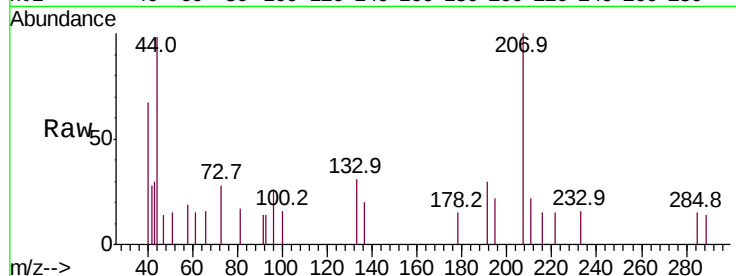
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	43	Resp:	542
Ion Ratio	Lower	Upper	
43	100		
61	12.4	22.8	34.2#
87	0.0	0.6	1.0#

Manual Integrations
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#44

Trichloroethene

Concen: 31.739 ug/l

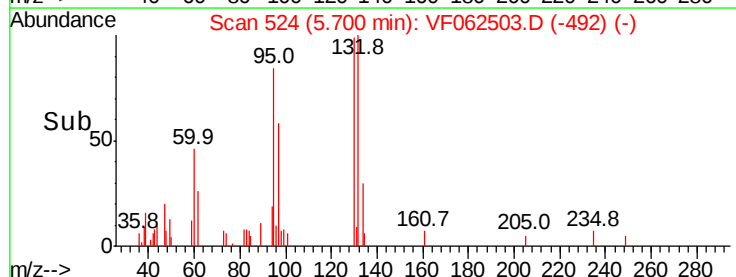
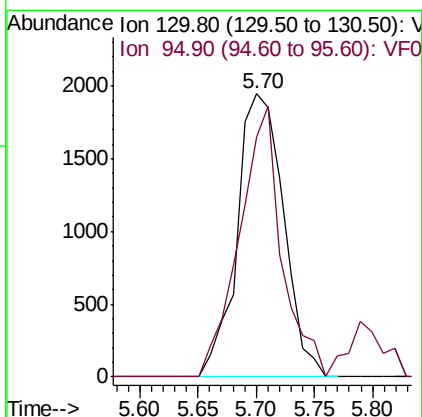
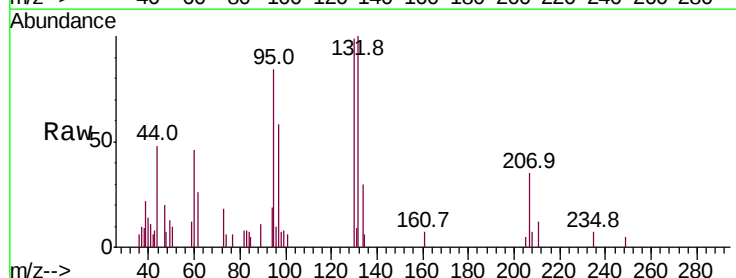
RT: 5.70 min Scan# 524

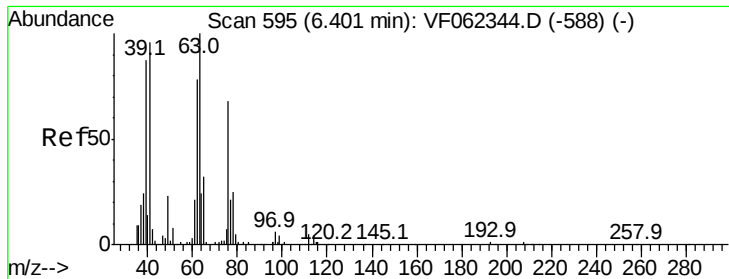
Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	130	Resp:	5359
Ion Ratio	Lower	Upper	
130	100		
95	84.8	0.0	189.0





#45

1,2-Dichloropropane

Concen: 120.087 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 63 Resp: 12502

Ion Ratio Lower Upper

63 100

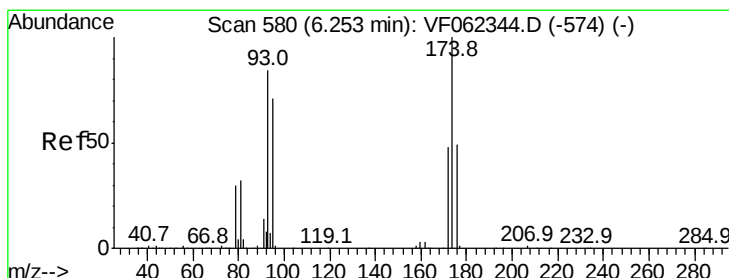
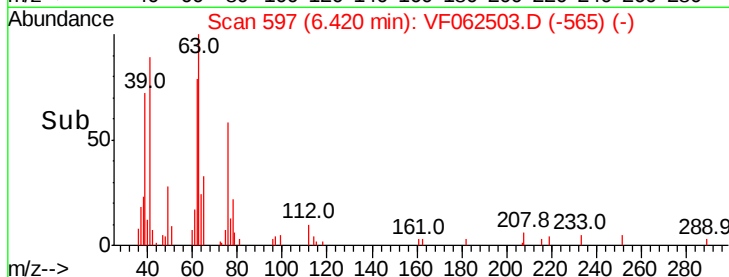
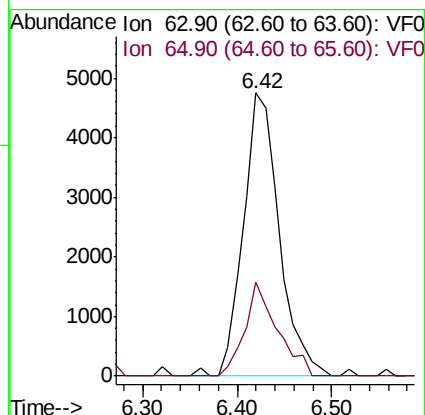
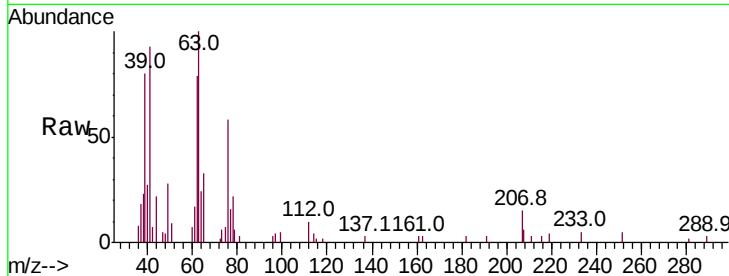
65 33.4 25.6 38.4

Manual Integrations

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#46

Dibromomethane

Concen: 124.411 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

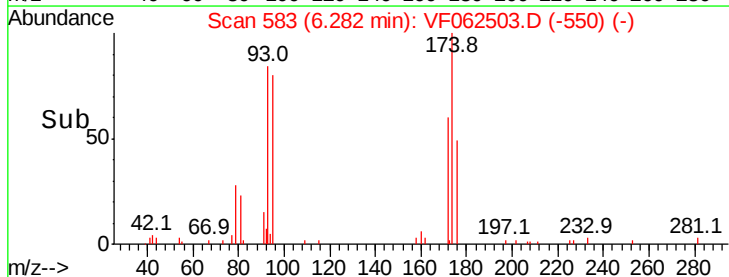
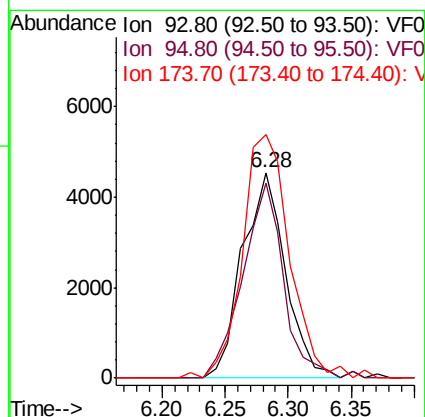
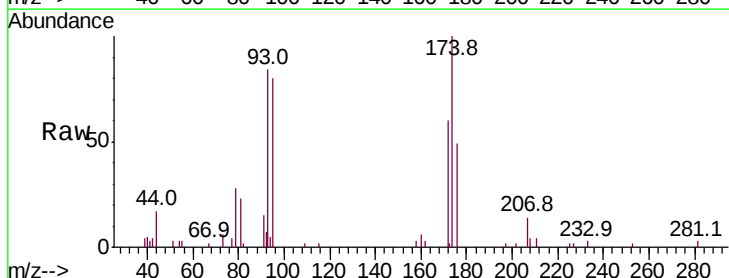
Tgt Ion: 93 Resp: 10739

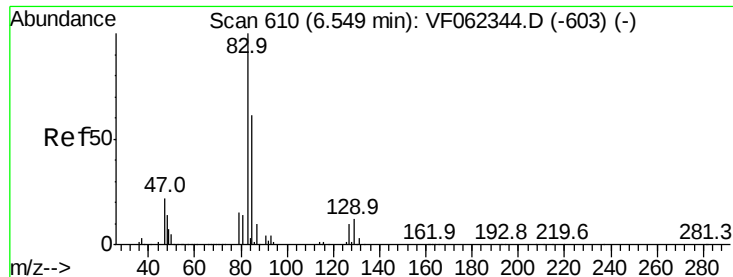
Ion Ratio Lower Upper

93 100

95 90.7 68.4 102.6

174 131.1 99.6 149.4





#47

Bromodichloromethane

Concen: 117.093 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

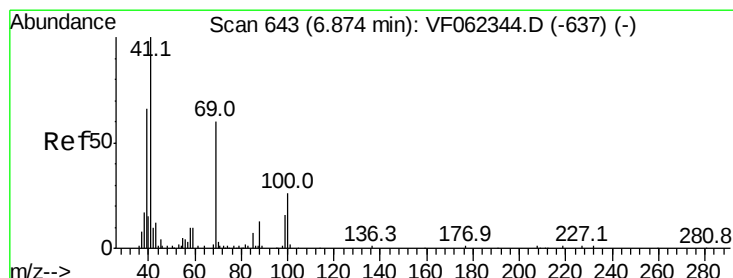
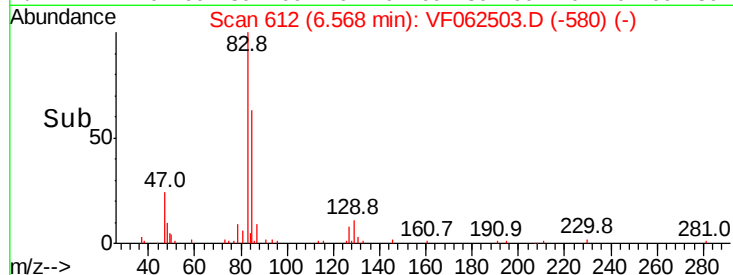
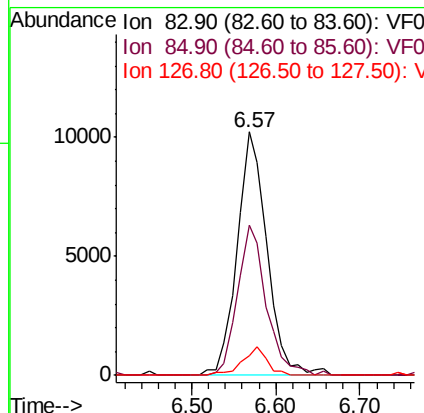
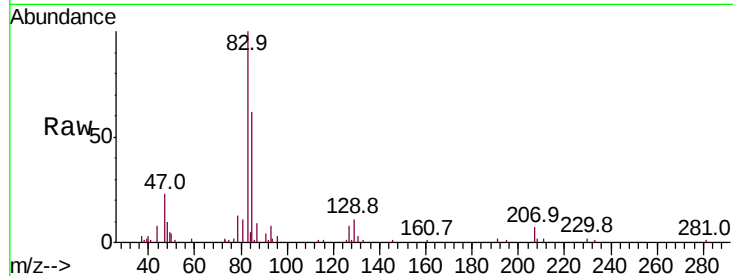
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	83	Resp:	25270
Ion Ratio	Lower	Upper	
83	100		
85	61.7	49.1	73.7
127	7.8	7.8	11.8#

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.737 ug/l

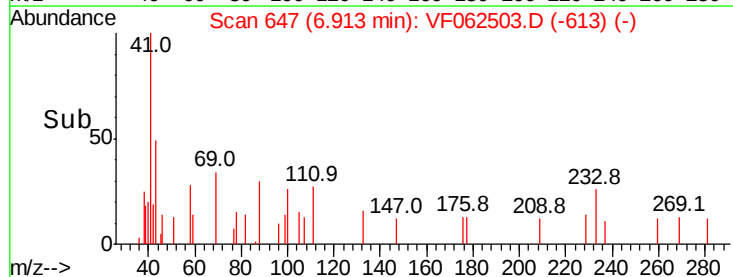
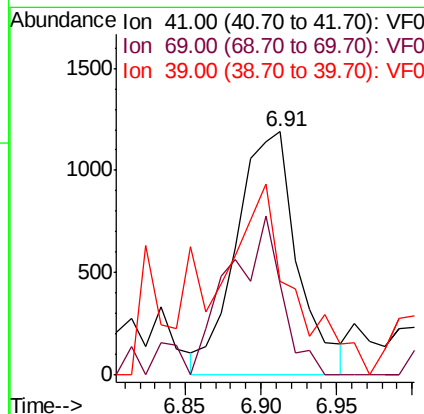
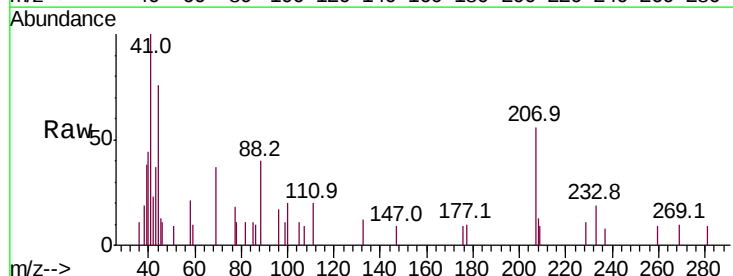
RT: 6.91 min Scan# 647

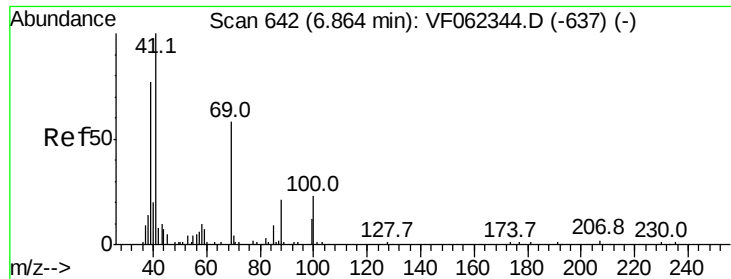
Delta R.T. 0.04 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	41	Resp:	3337
Ion Ratio	Lower	Upper	
41	100		
69	64.2	48.6	72.8
39	77.7	56.1	84.1





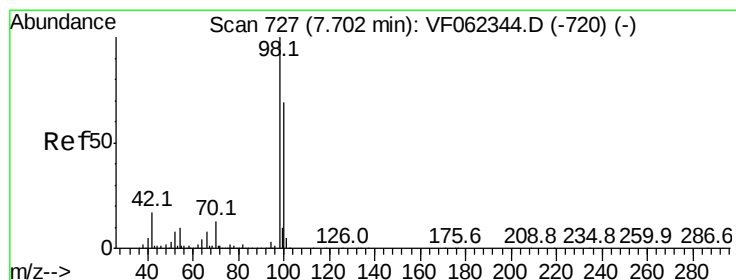
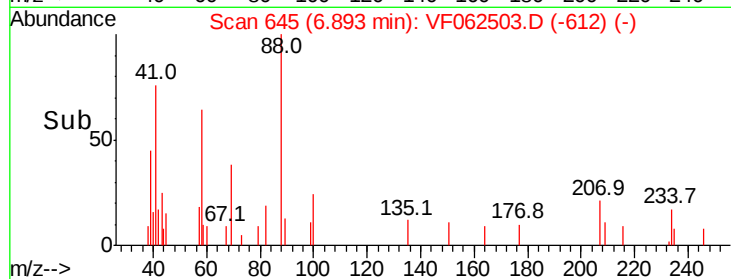
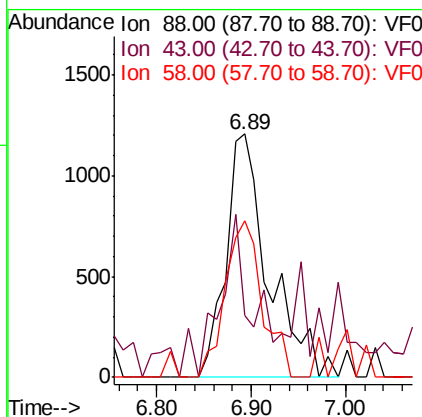
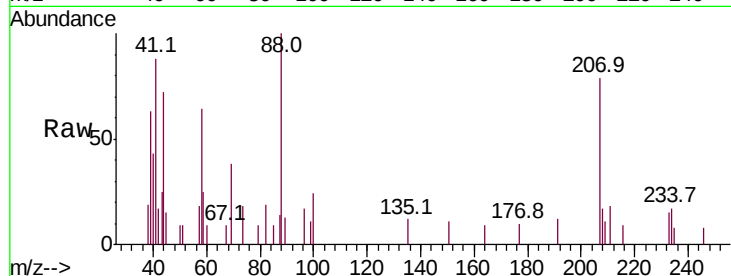
#49
1,4-Dioxane
Concen: 5556.322 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	55.6	83.4#
58	55.9	52.8	79.2

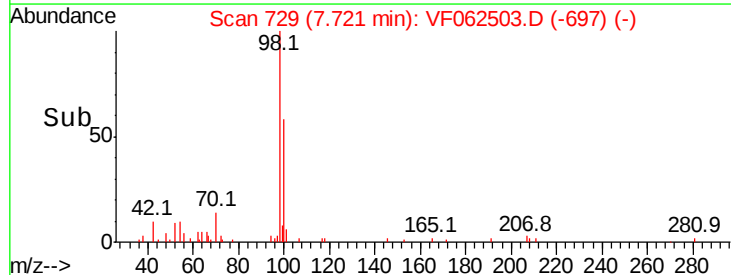
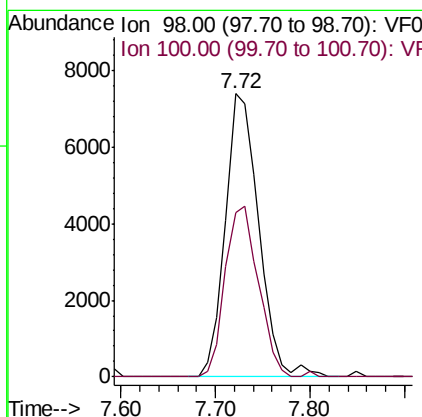
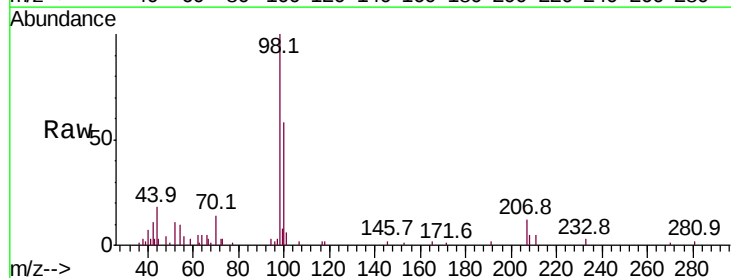
Manual Integrations
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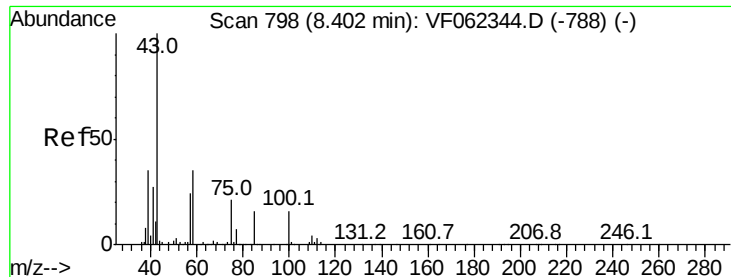
MMDadoda
5/13/2019 12:26:26 PM



#50
Toluene-d8
Concen: 38.770 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	59.7	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 263.746 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 43 Resp: 18974

Ion Ratio Lower Upper

43 100

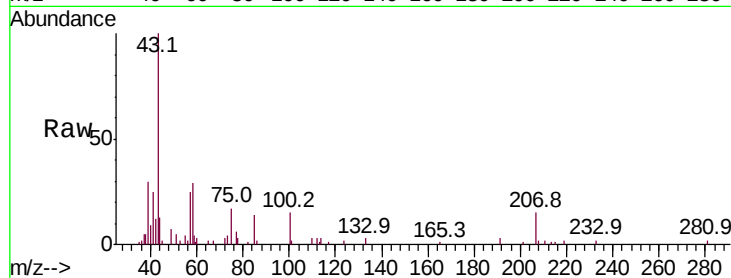
58 34.1 27.8 41.6

Manual Integrations

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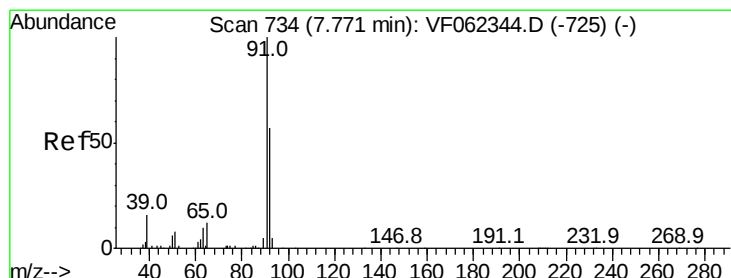
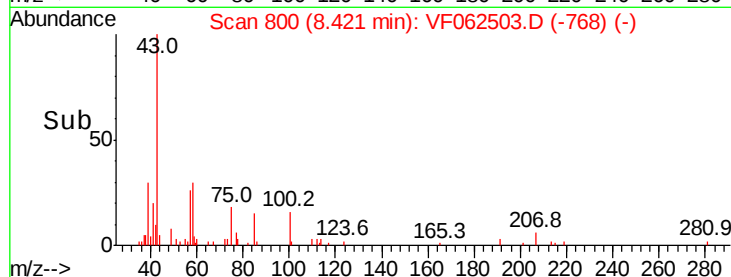
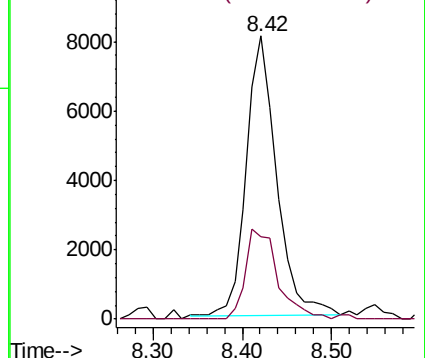
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 33.895 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062503.D

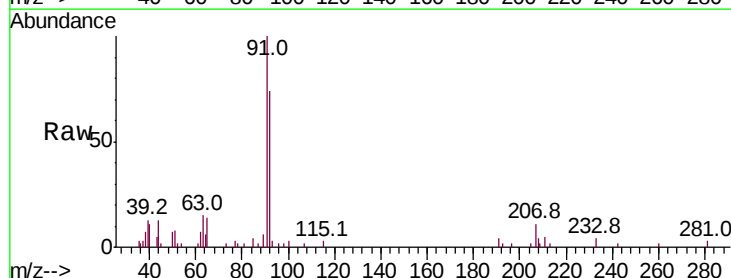
Acq: 12 May 2019 15:17

Tgt Ion: 92 Resp: 9611

Ion Ratio Lower Upper

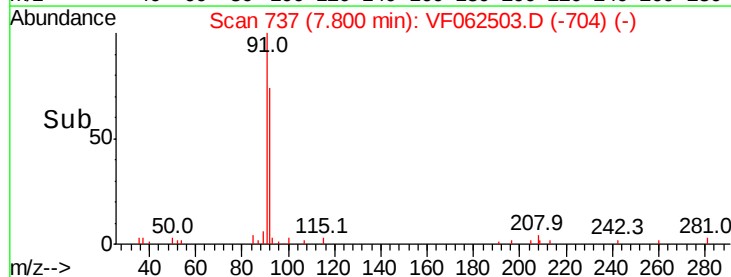
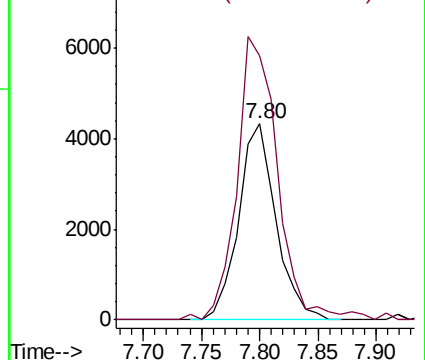
92 100

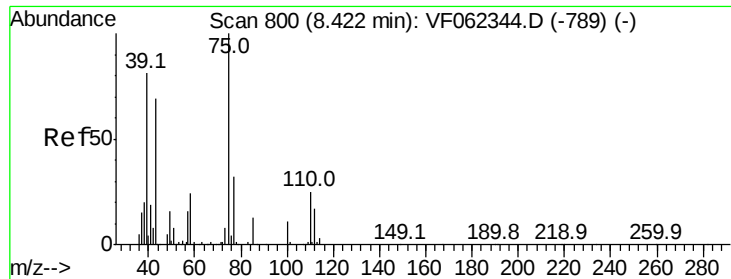
91 157.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 44.368 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 75 Resp: 7242

Ion Ratio Lower Upper

75 100

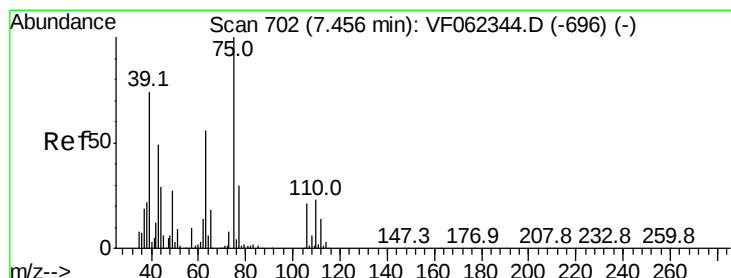
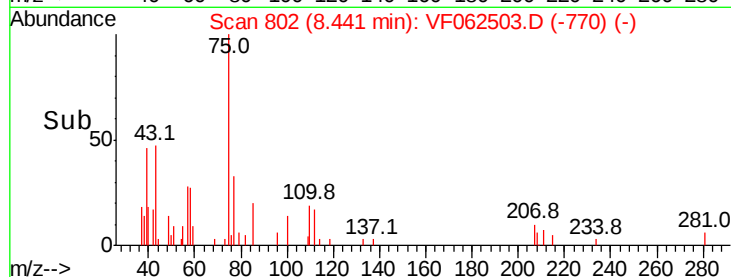
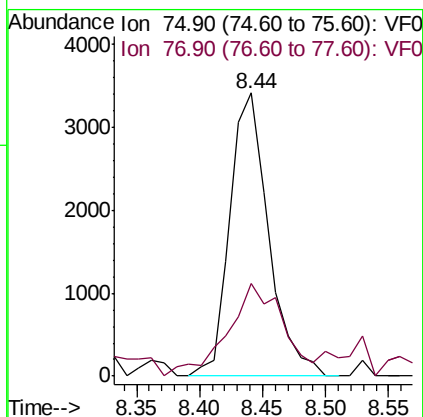
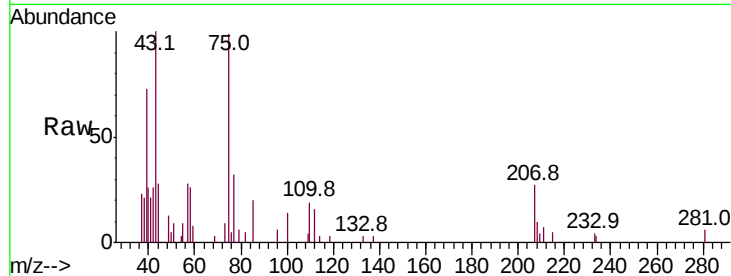
77 28.3 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 29.527 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

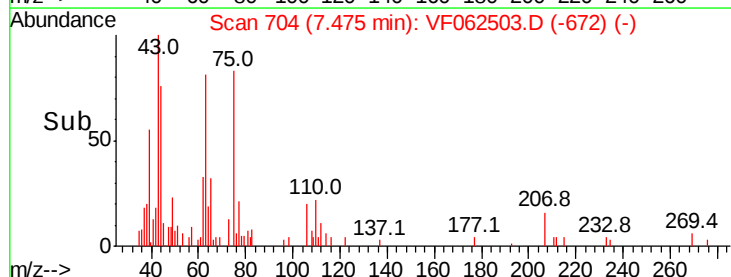
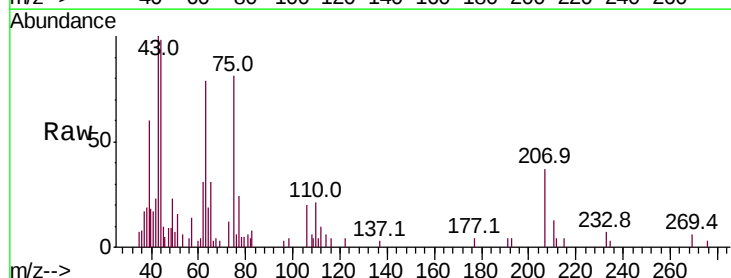
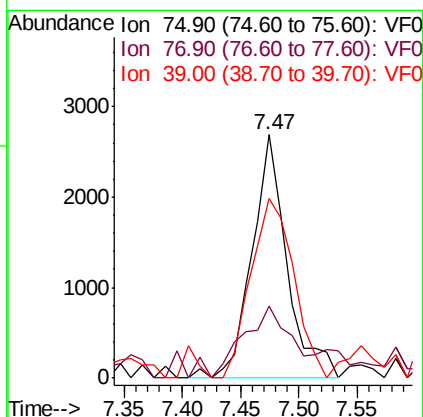
Tgt Ion: 75 Resp: 5609

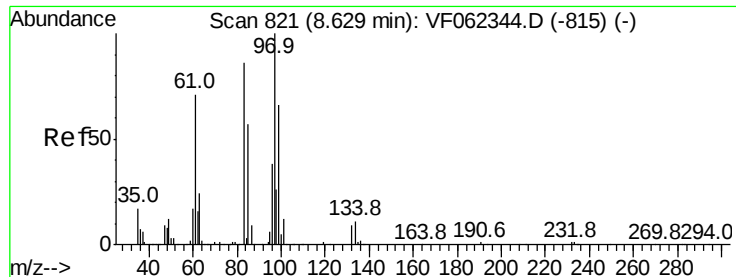
Ion Ratio Lower Upper

75 100

77 29.7 24.0 36.0

39 67.3 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 147.755 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

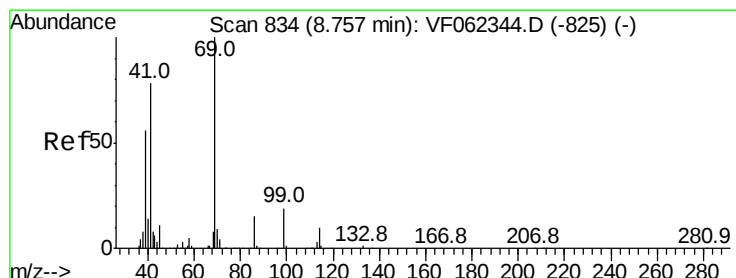
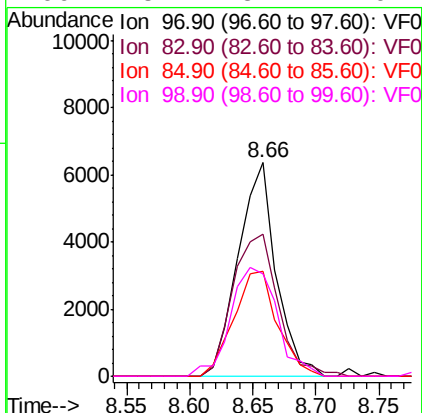
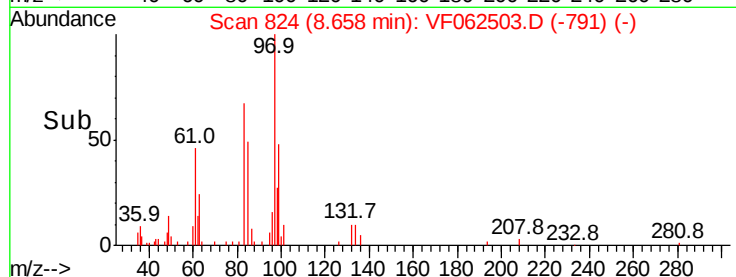
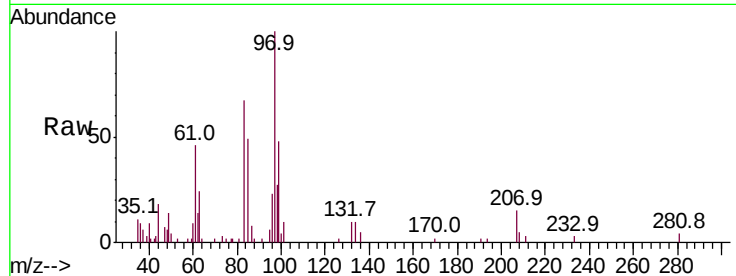
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	66.7	68.5	102.7#
85	49.1	45.4	68.2
99	48.2	52.7	79.1#

Manual Integrations
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#56

Ethyl methacrylate

Concen: 2.705 ug/l

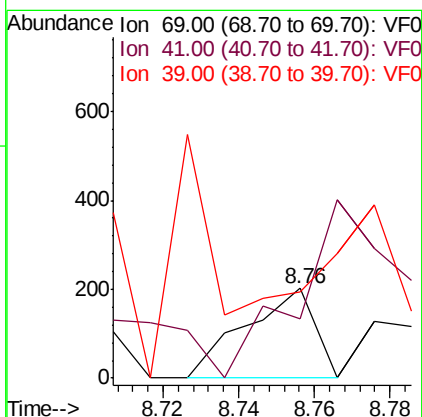
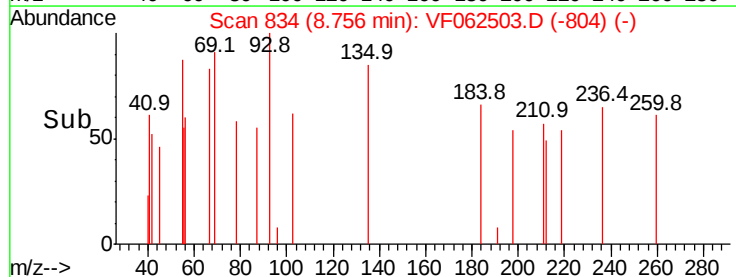
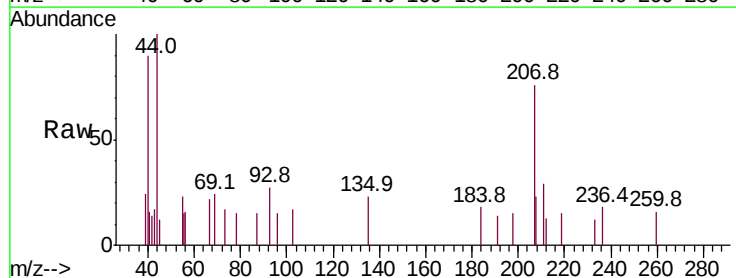
RT: 8.76 min Scan# 834

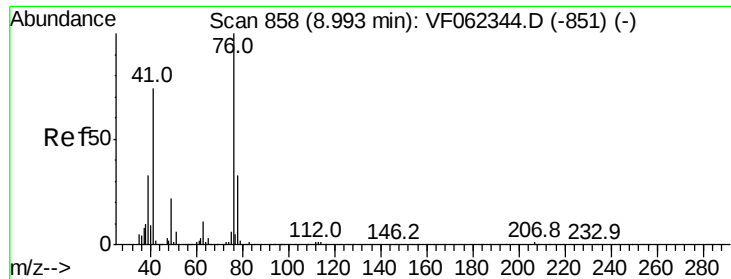
Delta R.T. -0.00 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	309.3	66.3	99.5#
39	234.2	50.1	75.1#





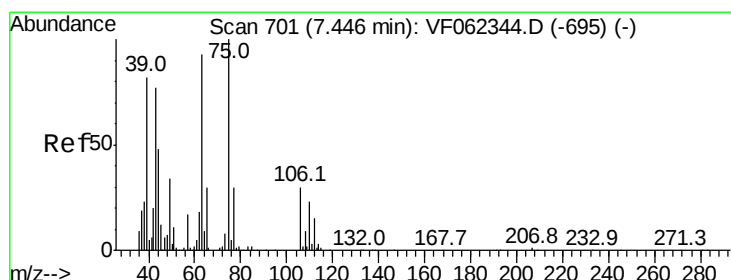
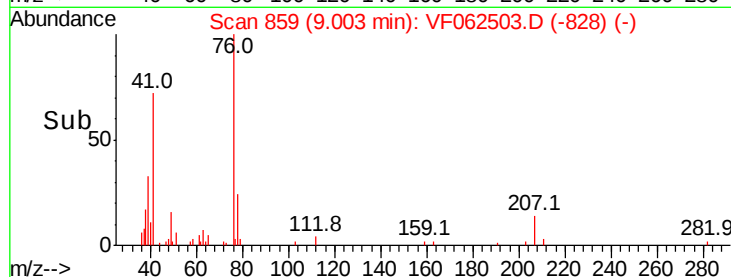
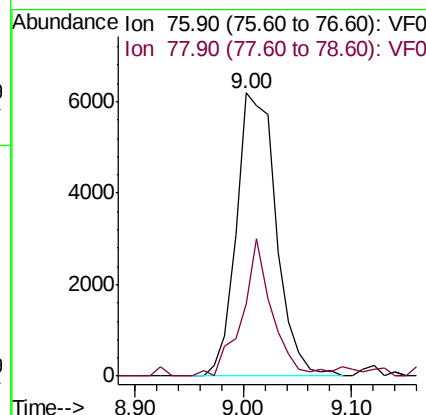
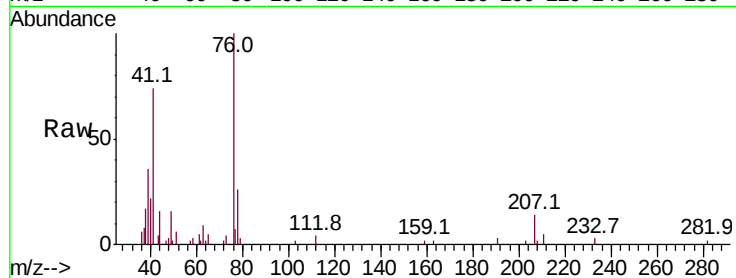
#57
 1,3-Dichloropropane
 Concen: 116.654 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.9	26.4	39.6

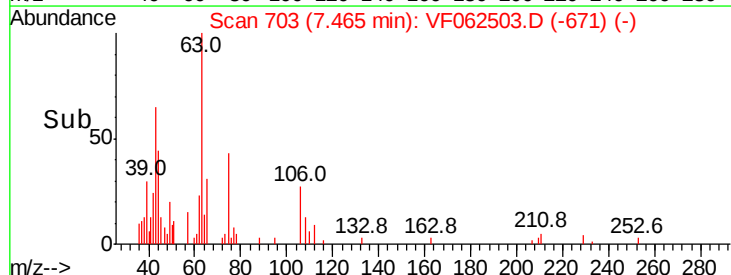
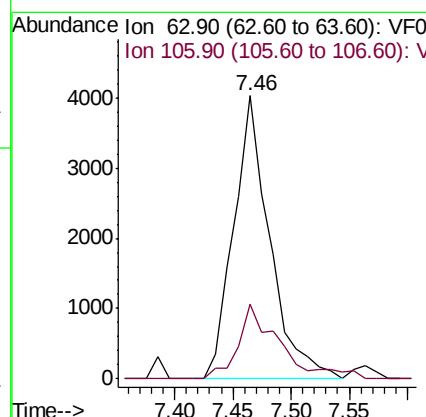
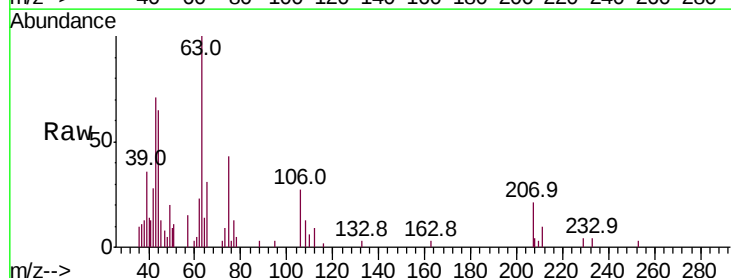
Manual Integrations
 APPROVED

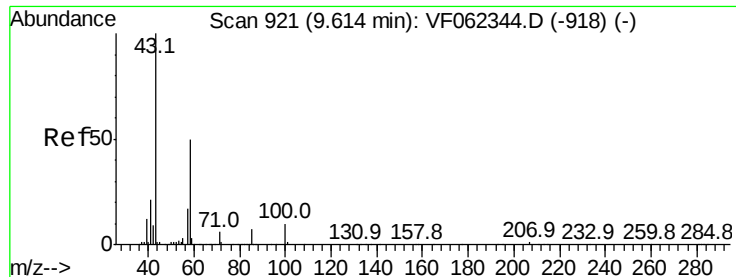
MMDadoda
 5/13/2019 12:26:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 303.079 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	25.8	38.8





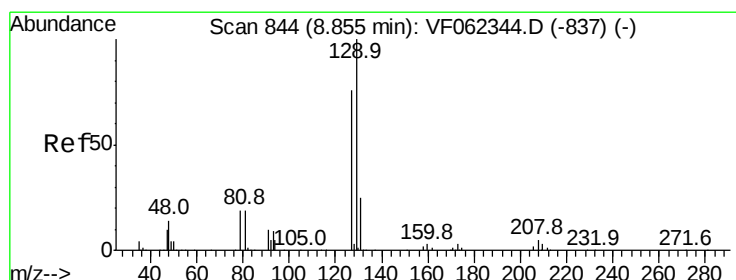
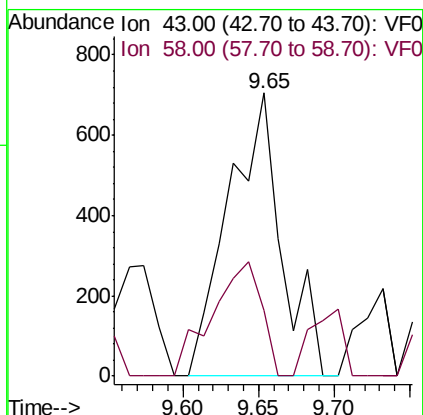
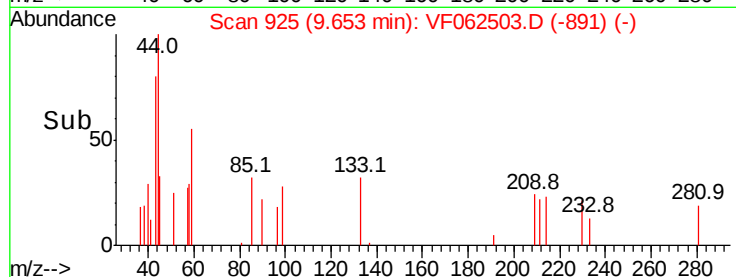
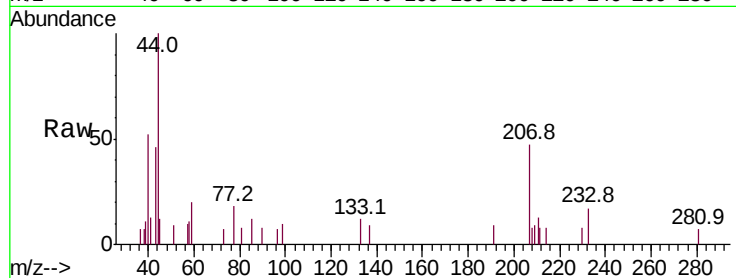
#59
2-Hexanone
Concen: 34.831 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.04 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion: 43 Resp: 1733
Ion Ratio Lower Upper
43 100
58 37.4 24.3 73.0

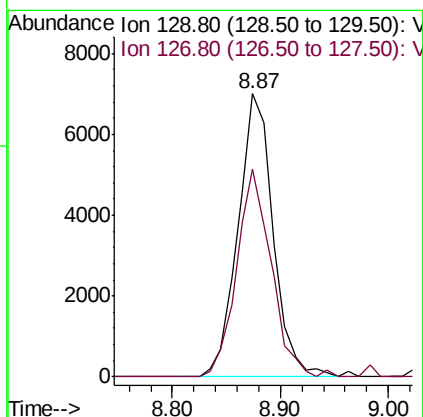
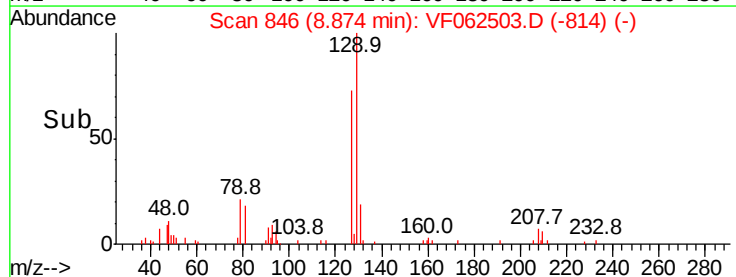
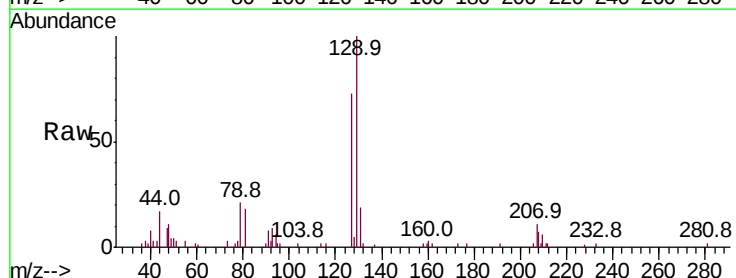
Manual Integrations
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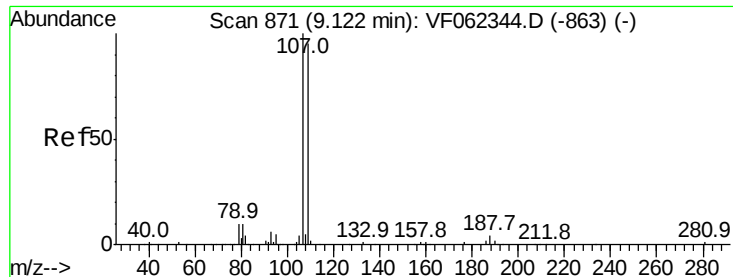
MMDadoda
5/13/2019 12:26:26 PM



#60
Dibromochloromethane
Concen: 106.997 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion: 129 Resp: 15752
Ion Ratio Lower Upper
129 100
127 71.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 78.095 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 107 Resp: 8262

Ion Ratio Lower Upper

107 100

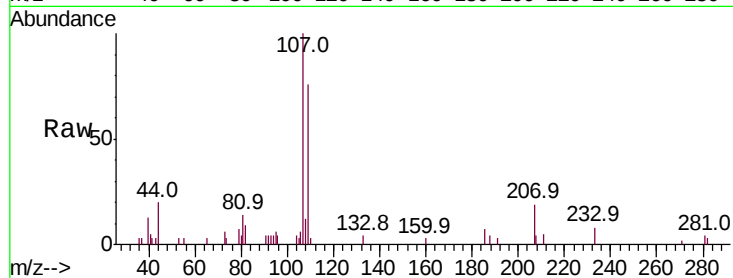
109 100.7 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.15

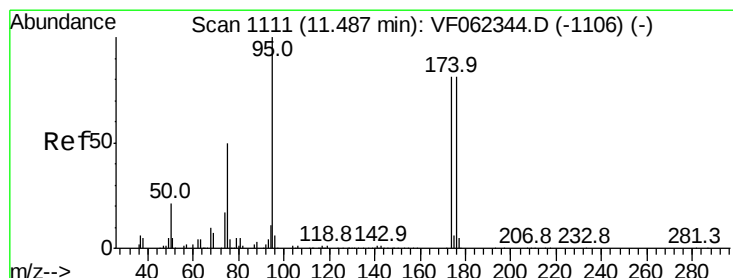
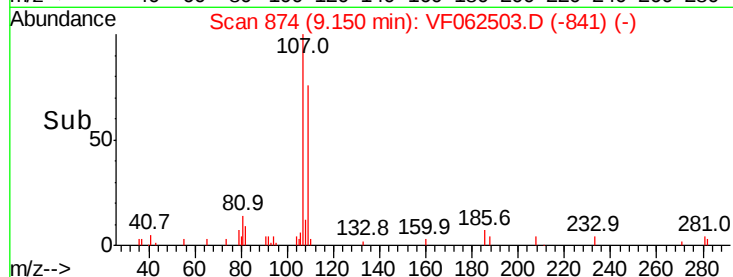
4000

3000

2000

1000

Time-->



#62

4-Bromofluorobenzene

Concen: 23.419 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

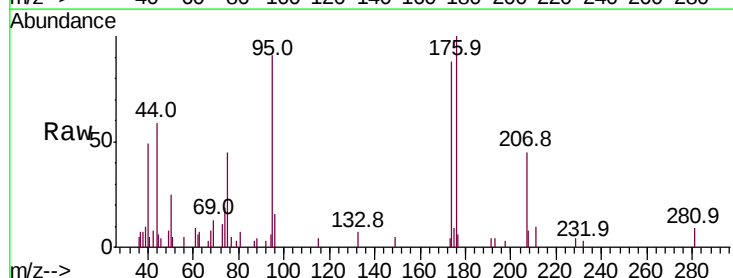
Tgt Ion: 95 Resp: 4951

Ion Ratio Lower Upper

95 100

174 106.7 0.0 191.8

176 112.8 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

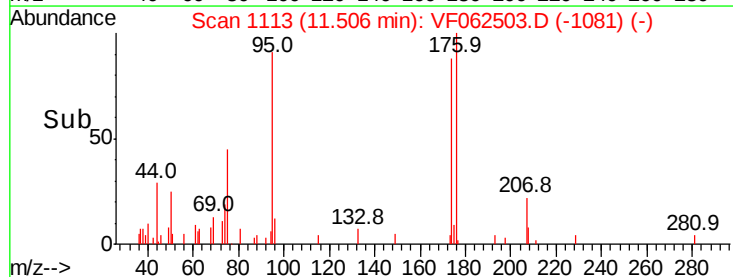
4000

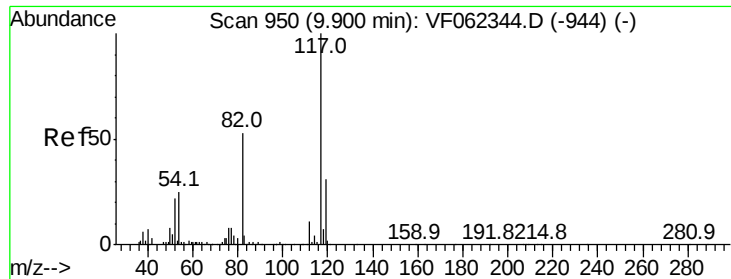
3000

2000

1000

Time-->





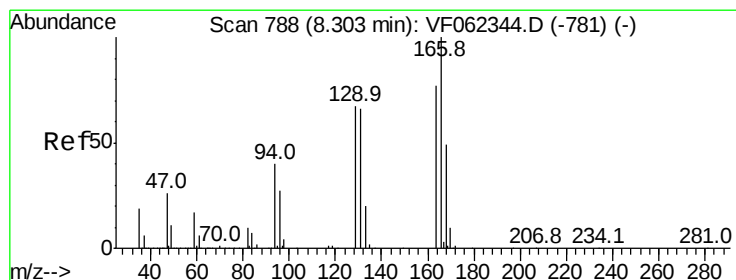
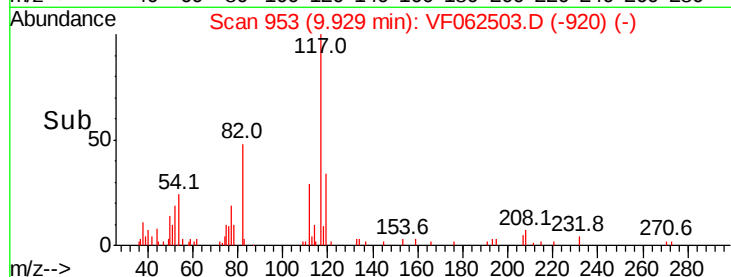
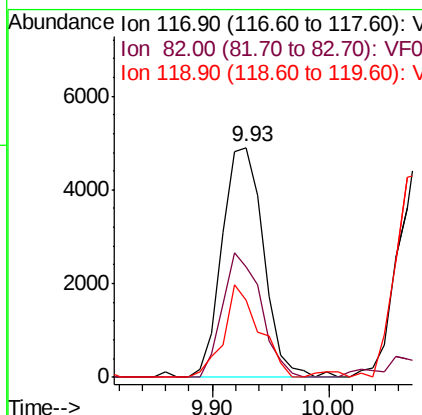
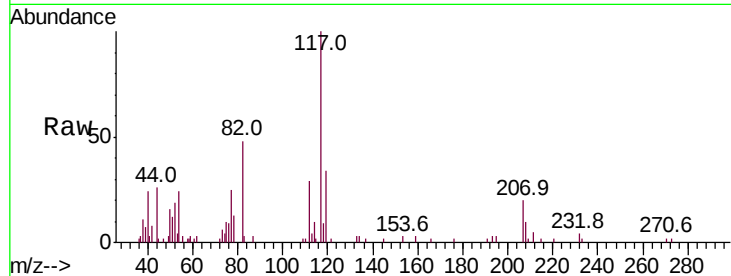
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	12081		
82	48.3		42.2	63.2
119	33.8		25.0	37.4

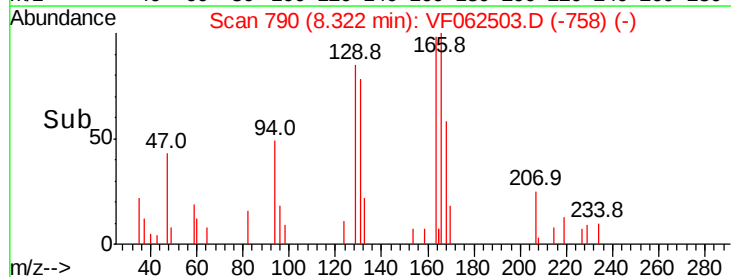
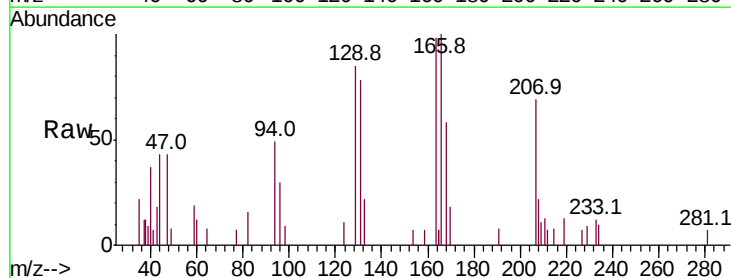
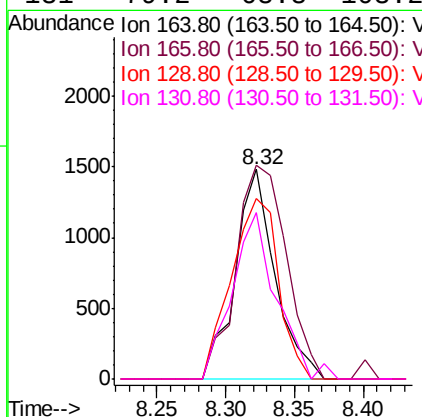
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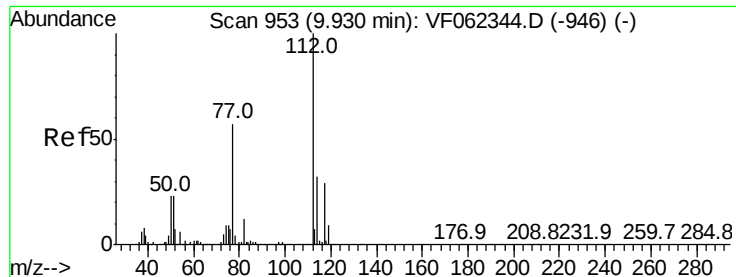
MMDadoda
5/13/2019 12:26:26 PM



#64
Tetrachloroethene
Concen: 30.639 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3005		
166	102.0		104.2	156.4#
129	86.4		69.6	104.4
131	79.2		68.8	103.2





#65

Chlorobenzene

Concen: 42.679 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:112 Resp: 8531

Ion Ratio Lower Upper

112 100

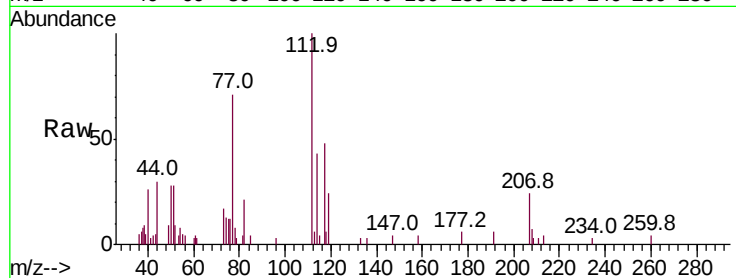
114 42.7 25.4 38.0#

Manual Integrations

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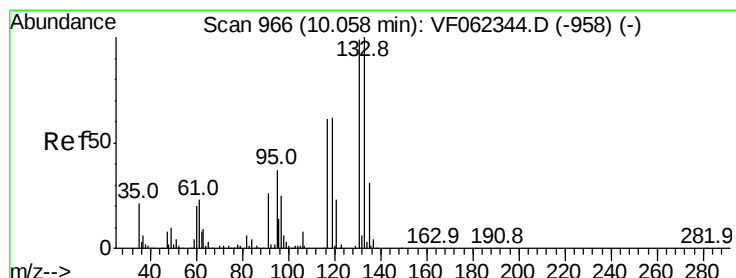
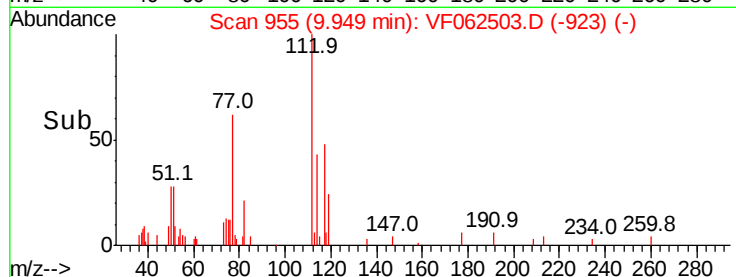
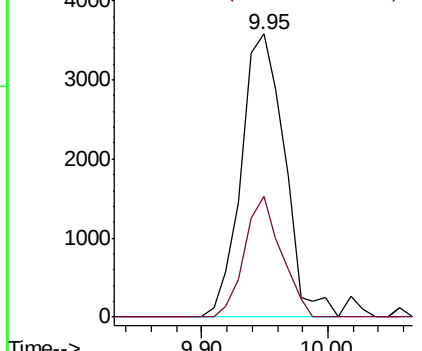
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 160.834 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

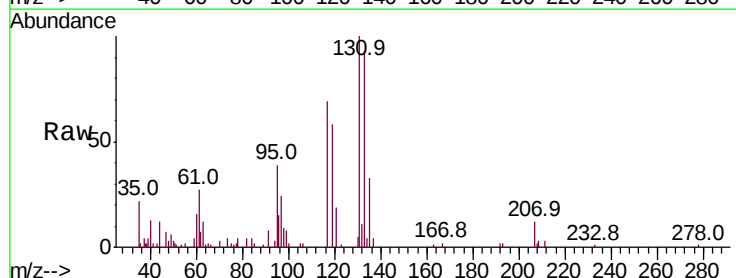
Tgt Ion:131 Resp: 16218

Ion Ratio Lower Upper

131 100

133 97.5 50.2 150.7

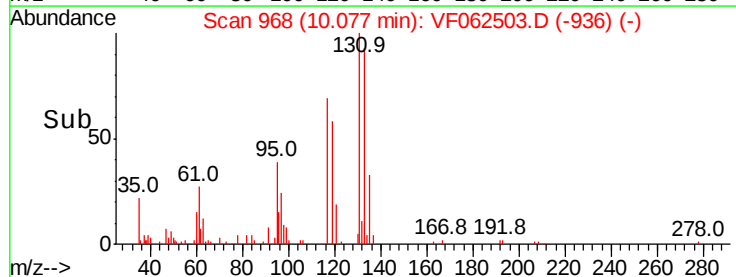
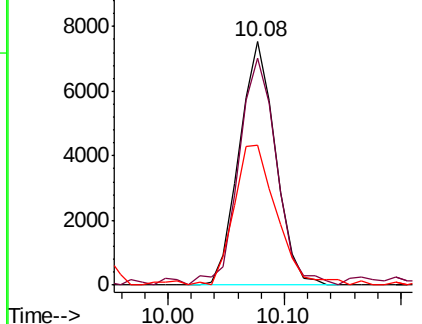
119 68.2 31.6 95.0

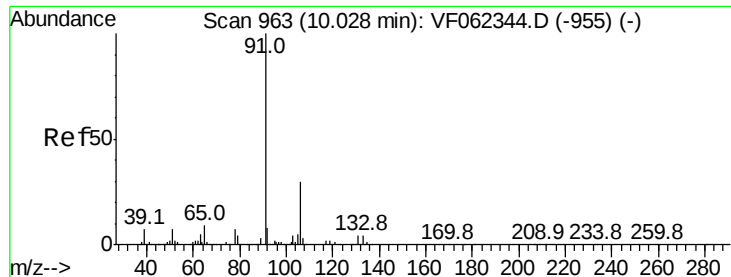


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 36.946 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 91 Resp: 12932

Ion Ratio Lower Upper

91 100

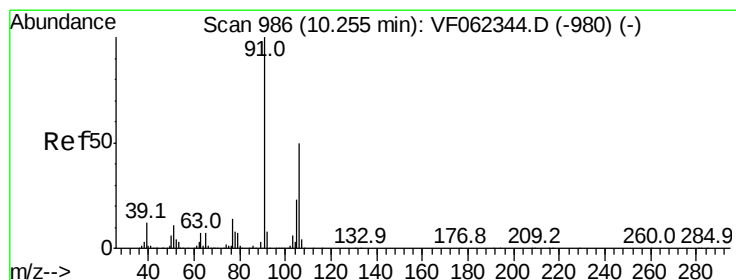
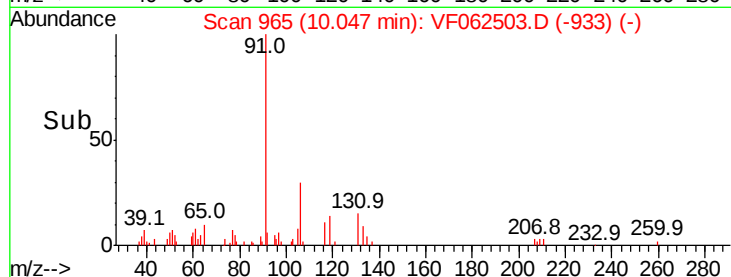
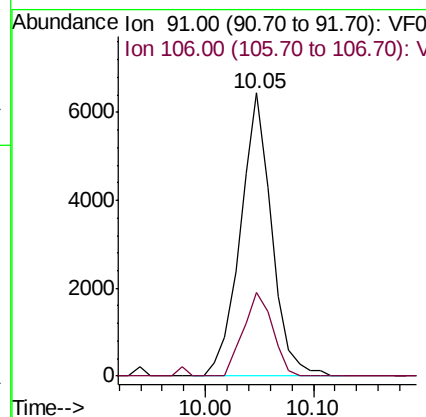
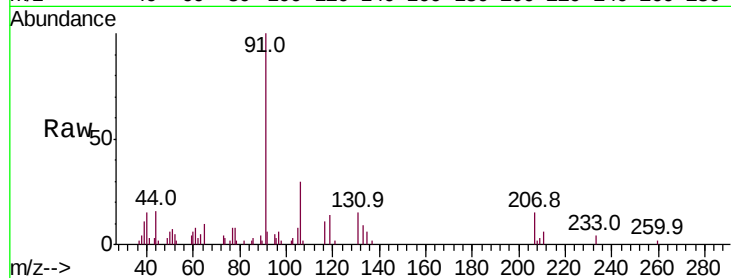
106 29.5 24.1 36.1

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#68

m/p-Xylenes

Concen: 62.798 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.02 min

Lab File: VF062503.D

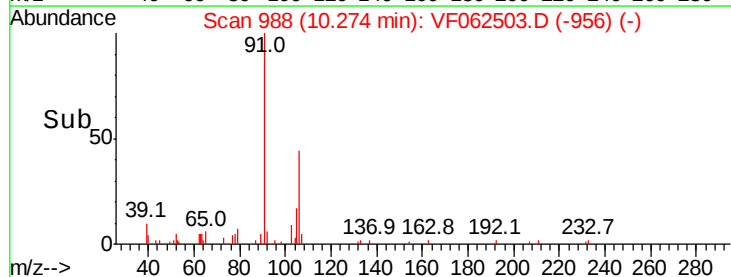
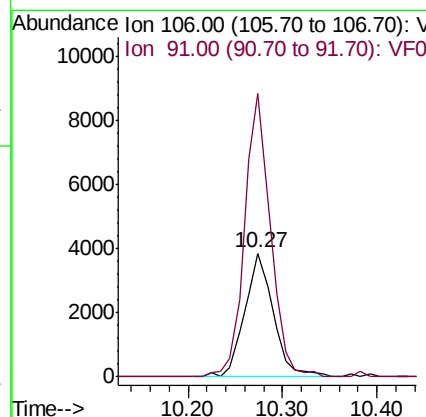
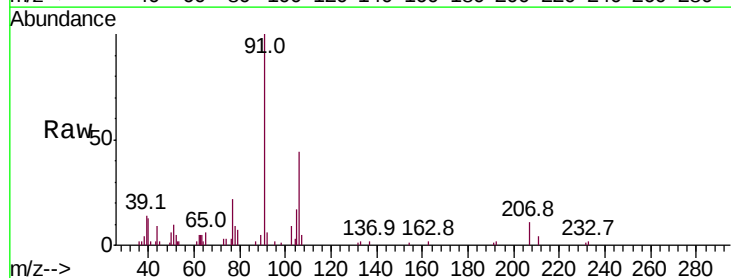
Acq: 12 May 2019 15:17

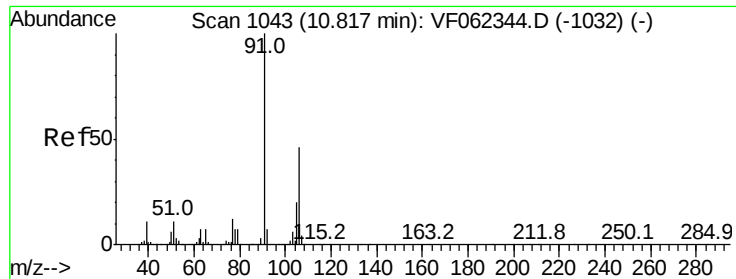
Tgt Ion:106 Resp: 8110

Ion Ratio Lower Upper

106 100

91 206.4 167.4 251.2





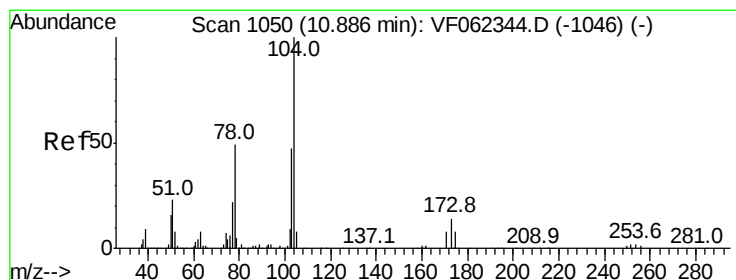
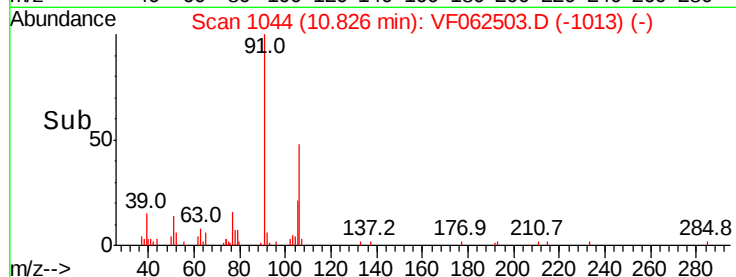
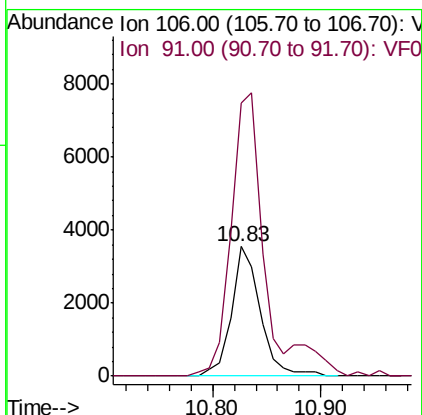
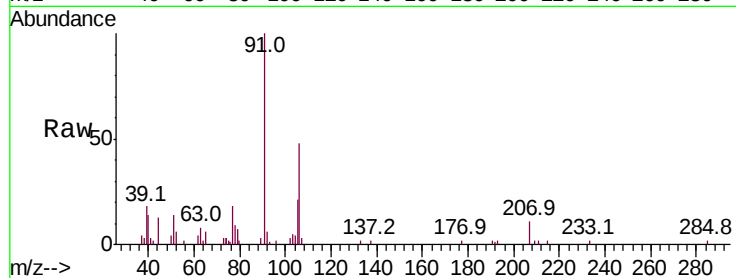
#69
o-Xylene
Concen: 47.223 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	228.6	111.3	333.8

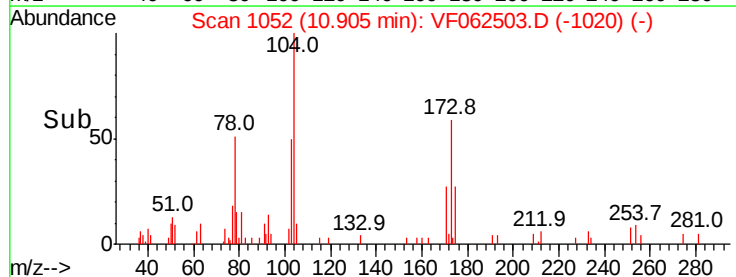
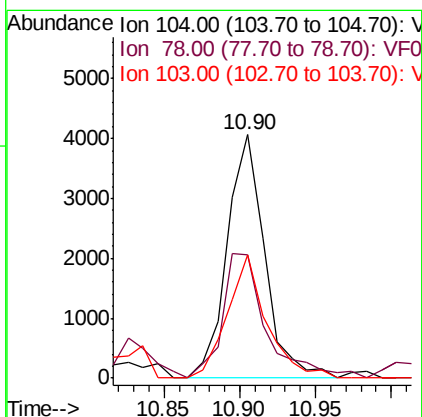
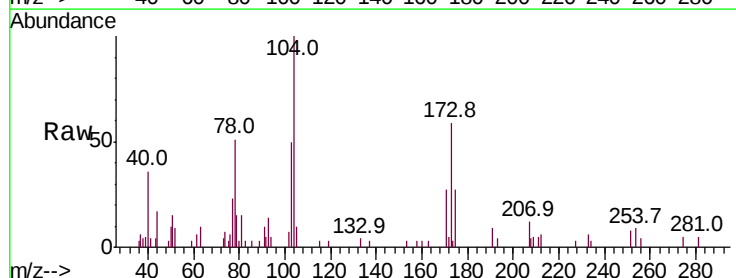
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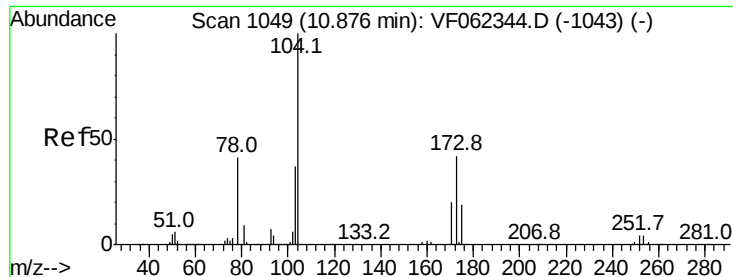
MMDadoda
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#70
Styrene
Concen: 33.522 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.9	39.5	59.3#
103	53.1	38.4	57.6





#71

Bromoform

Concen: 164.706 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

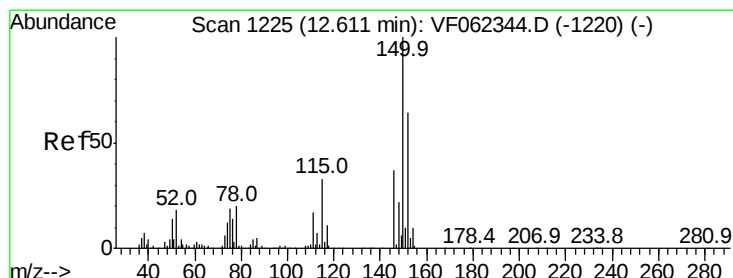
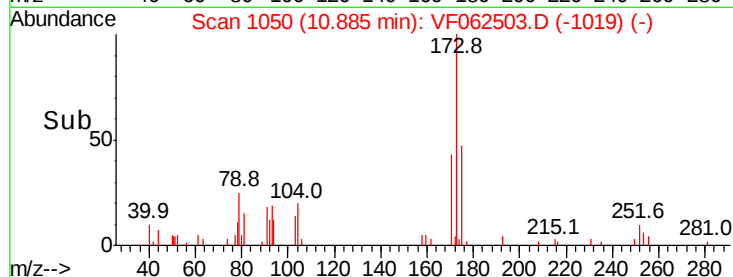
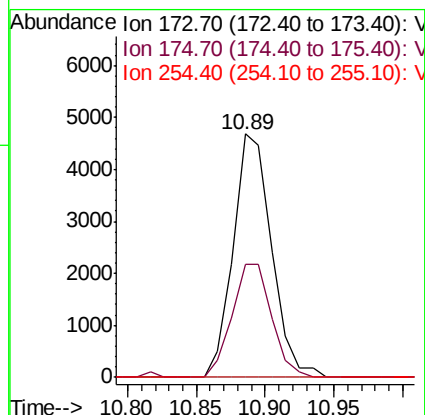
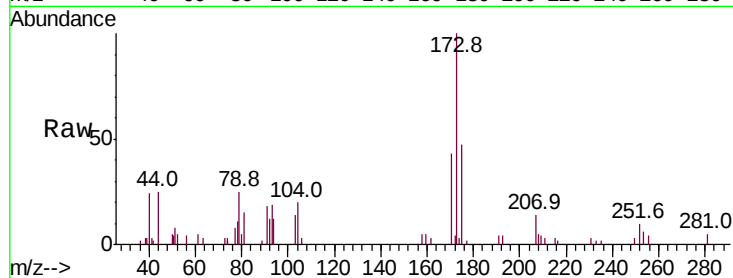
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.2
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

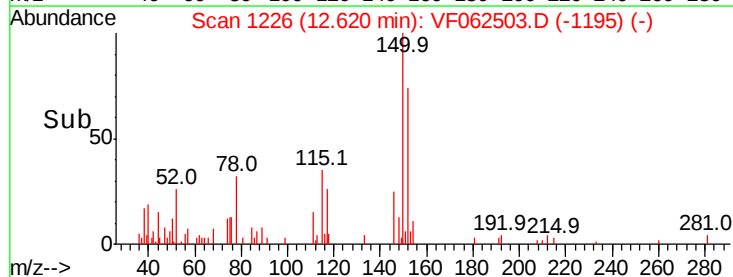
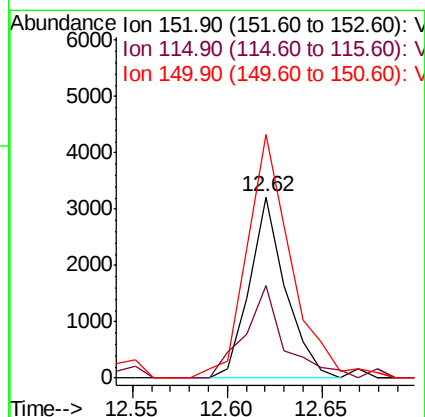
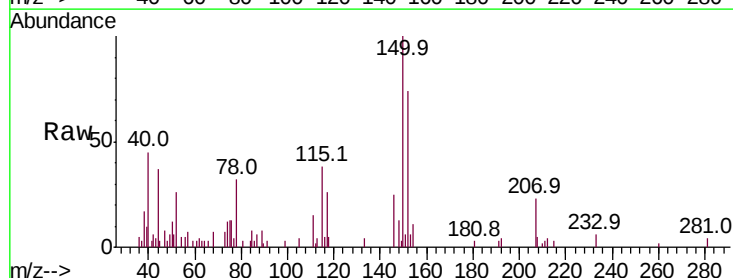
RT: 12.62 min Scan# 1226

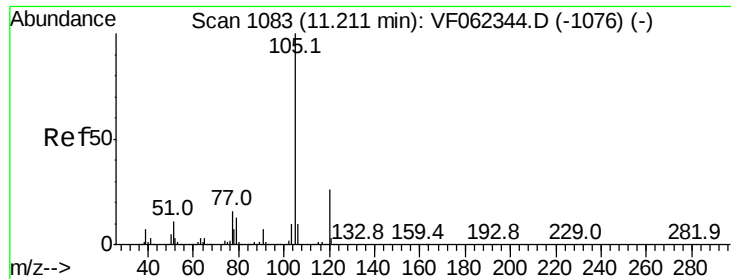
Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	26.4	79.2
150	164.5	0.0	335.0





#73

Isopropylbenzene

Concen: 49.483 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:105 Resp: 12535

Ion Ratio Lower Upper

105 100

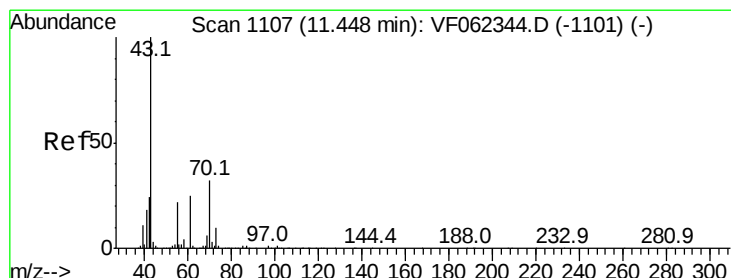
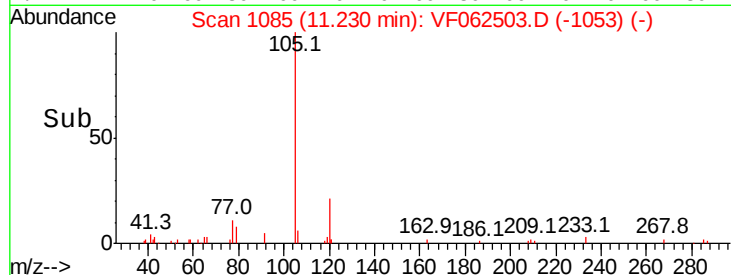
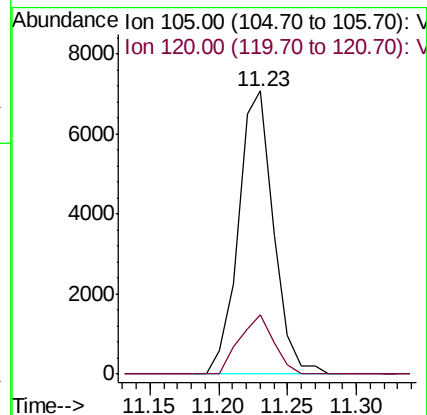
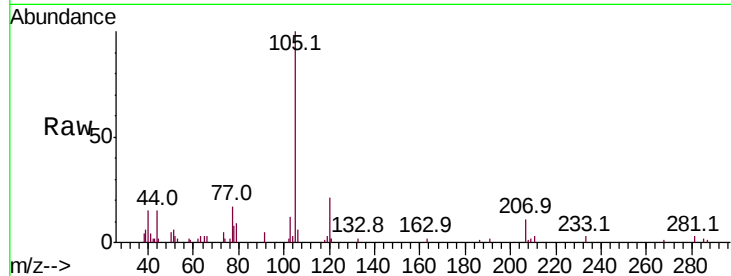
120 20.4 12.7 38.0

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#74

N-ethyl acetate

Concen: 10.738 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion: 43 Resp: 584

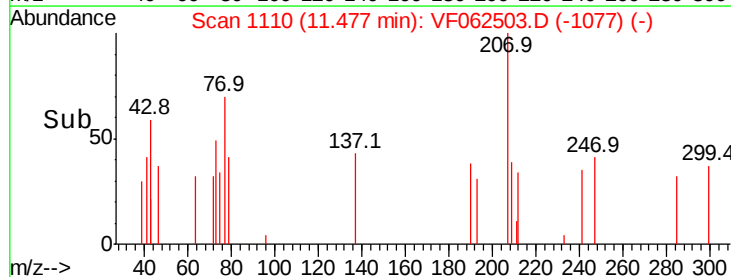
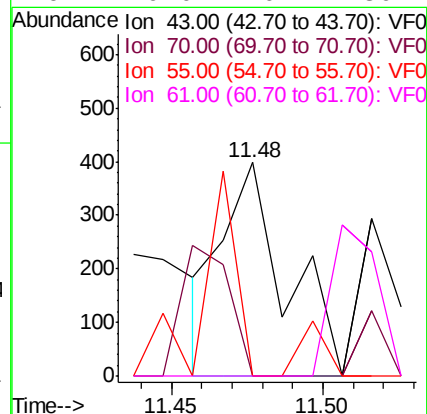
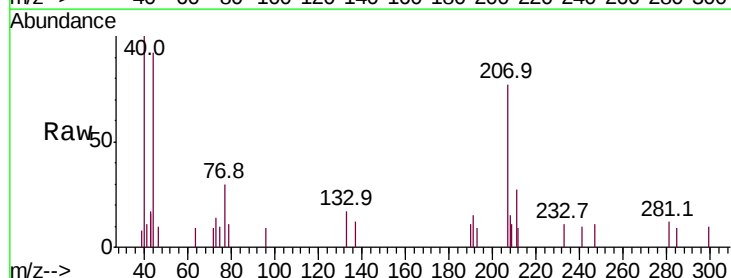
Ion Ratio Lower Upper

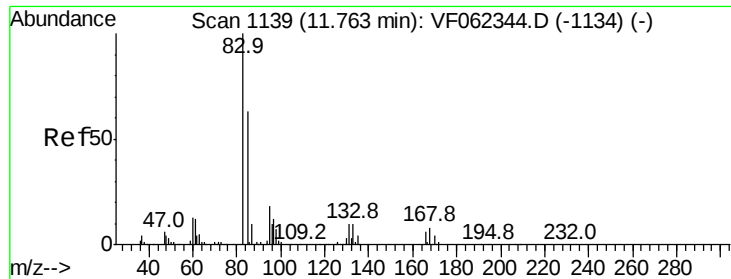
43 100

70 45.7 26.5 39.7#

55 50.7 17.8 26.6#

61 0.0 20.2 30.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 498.341 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

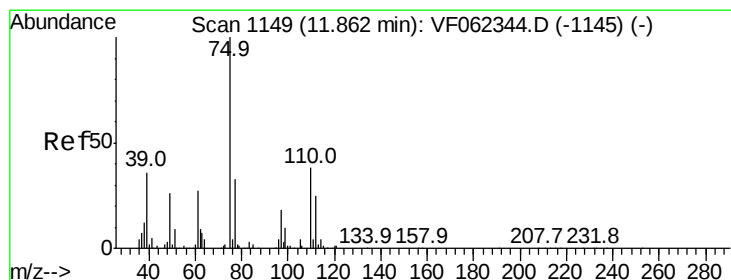
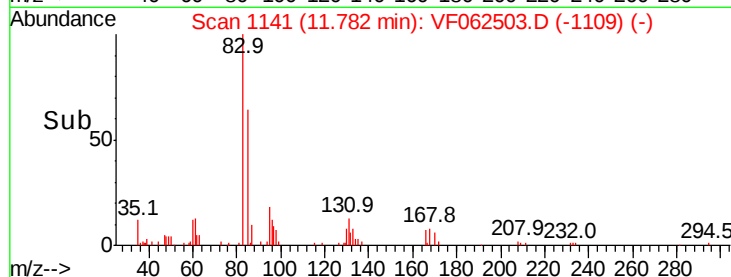
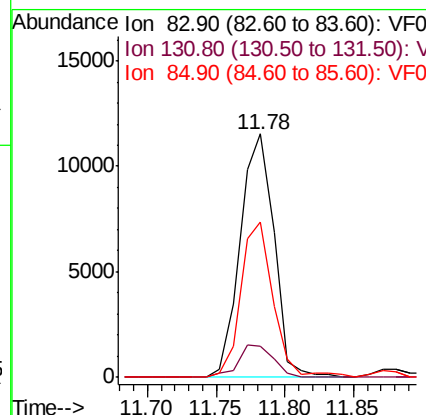
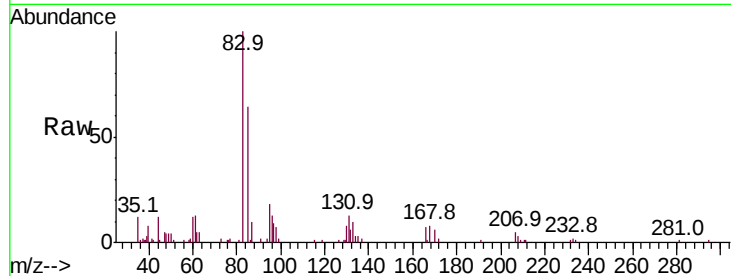
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	83	Resp:	19766
Ion Ratio	Lower	Upper	
83	100		
131	13.6	5.8	17.4
85	61.1	35.3	105.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 453.987 ug/l

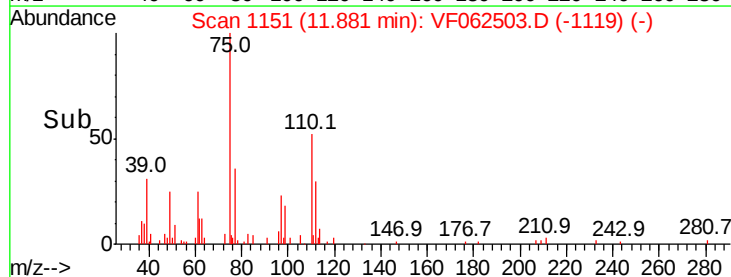
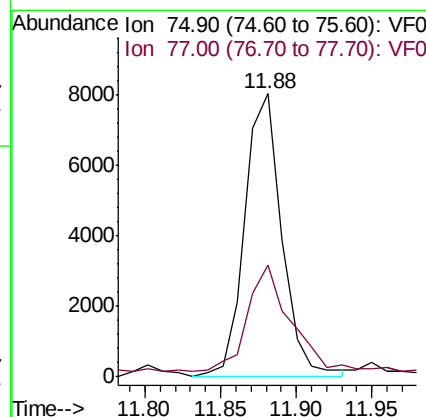
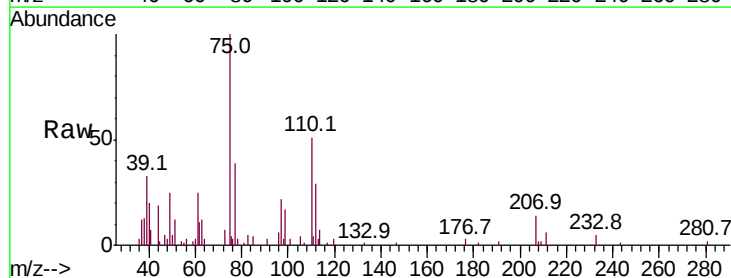
RT: 11.88 min Scan# 1151

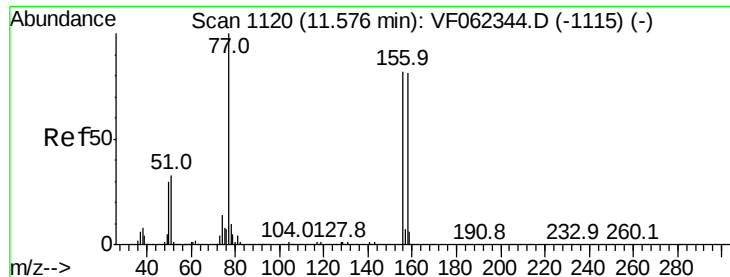
Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	75	Resp:	13738
Ion Ratio	Lower	Upper	
75	100		
77	51.3	0.0	0.0#





#77

Bromobenzene

Concen: 92.941 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:156 Resp: 6179

Ion Ratio Lower Upper

156 100

77 113.4 64.8 194.3

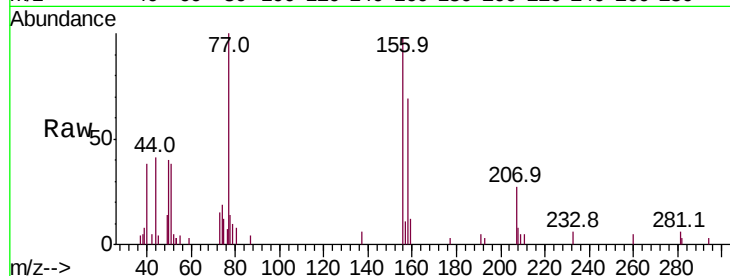
158 69.6 49.1 147.3

Manual Integrations

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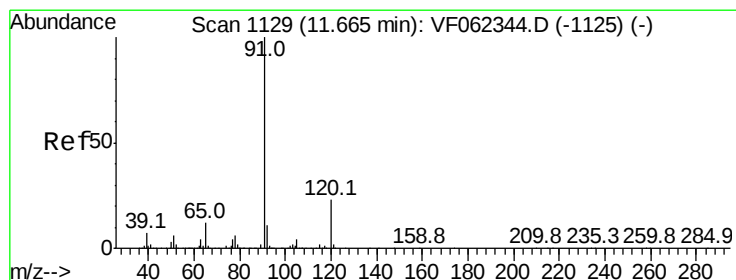
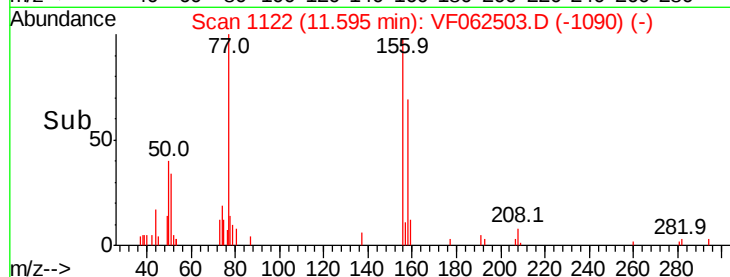
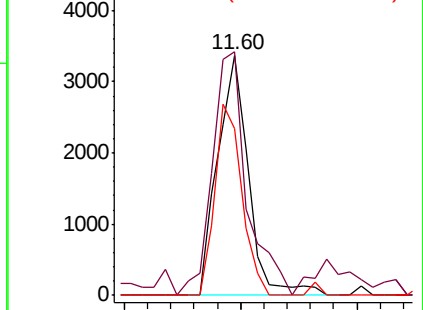
5/13/2019 12:26:26 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 28.721 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062503.D

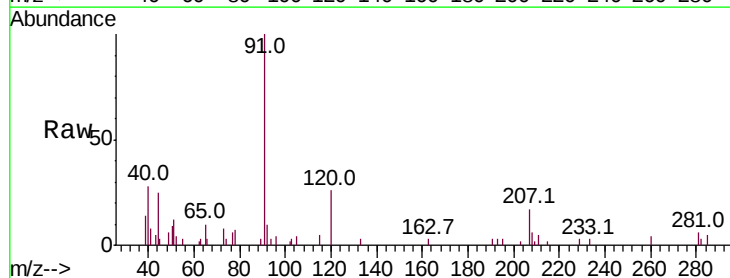
Acq: 12 May 2019 15:17

Tgt Ion: 91 Resp: 7746

Ion Ratio Lower Upper

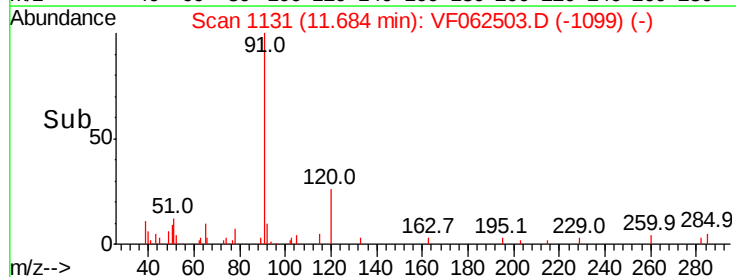
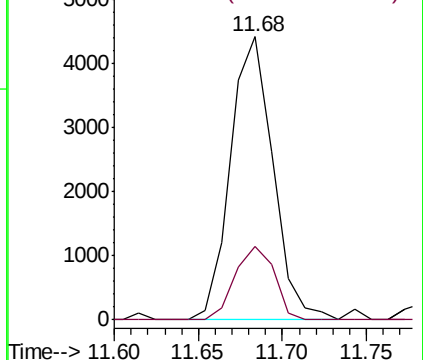
91 100

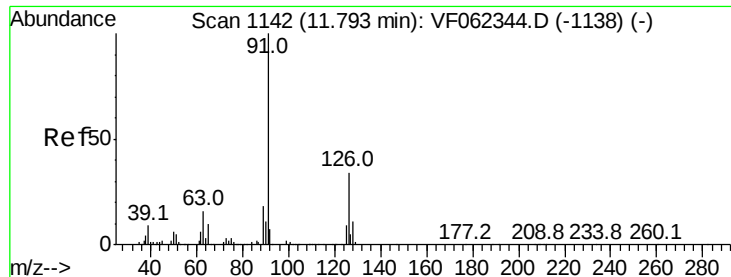
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 58.913 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 91 Resp: 9880

Ion Ratio Lower Upper

91 100

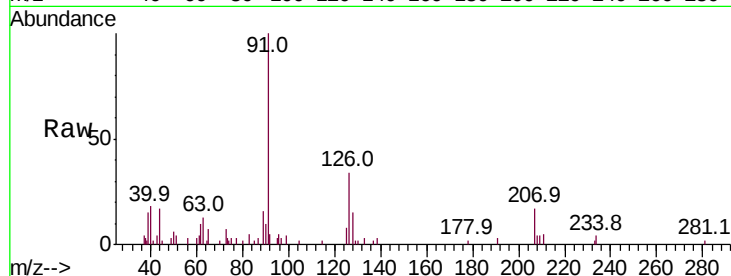
126 33.9 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

11.81

6000

5000

4000

3000

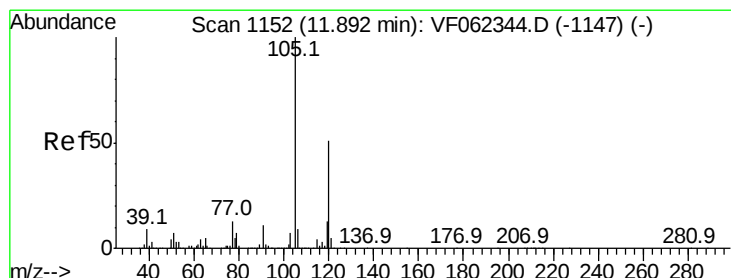
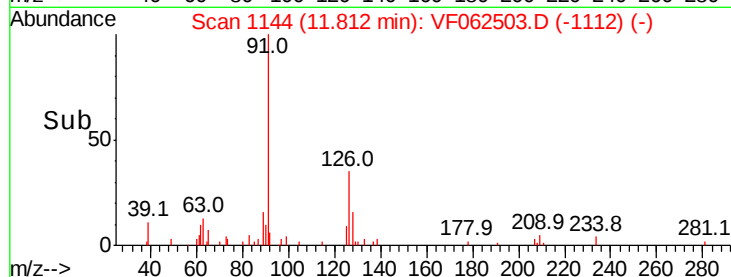
2000

1000

0

11.75 11.80 11.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.930 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062503.D

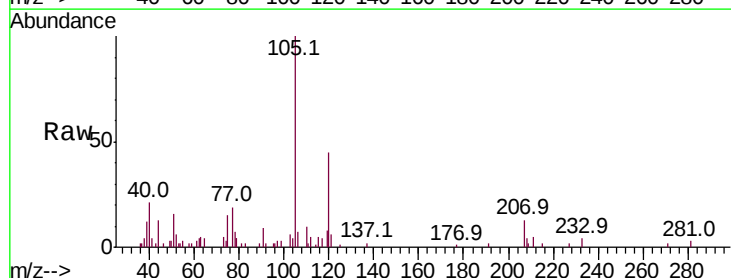
Acq: 12 May 2019 15:17

Tgt Ion:105 Resp: 10198

Ion Ratio Lower Upper

105 100

120 53.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.90

8000

6000

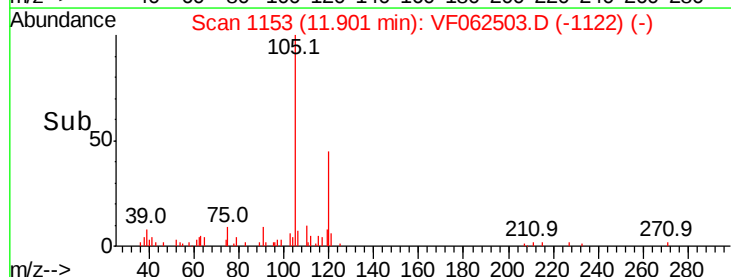
4000

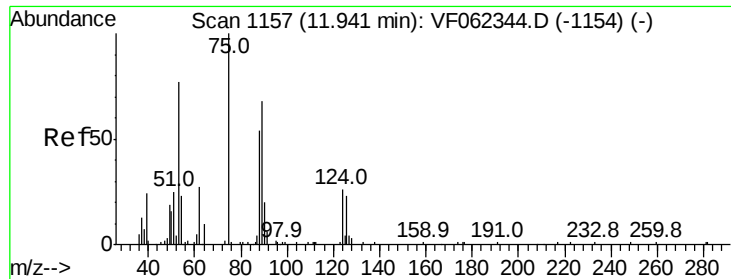
2000

0

11.85 11.90 11.95

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 40.617 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

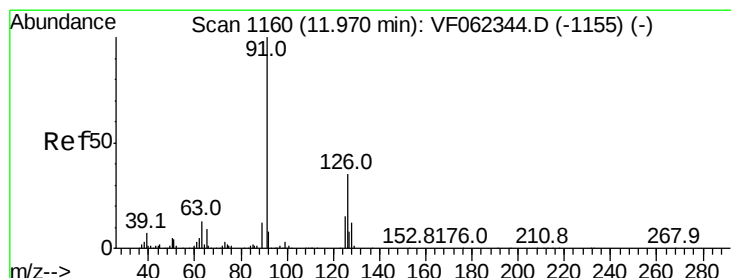
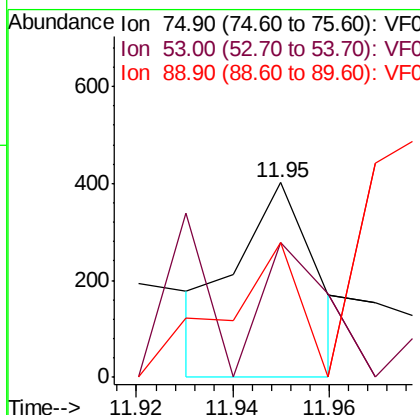
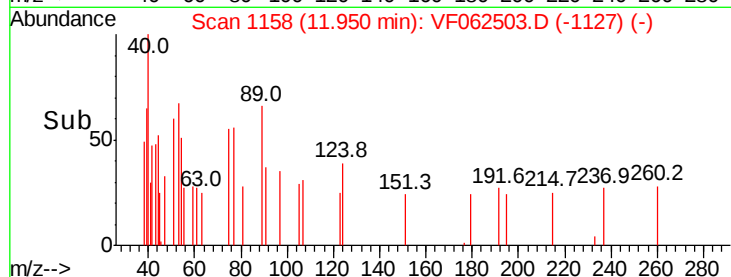
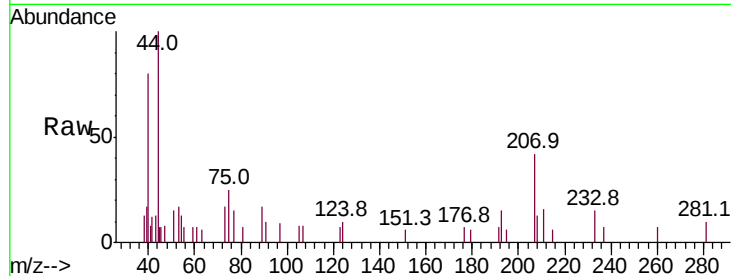
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	75	Resp:	462
Ion	Ratio	Lower	Upper
75	100		
53	43.3	71.9	107.9#
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 37.281 ug/l

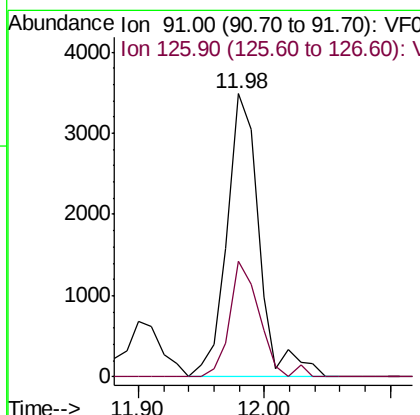
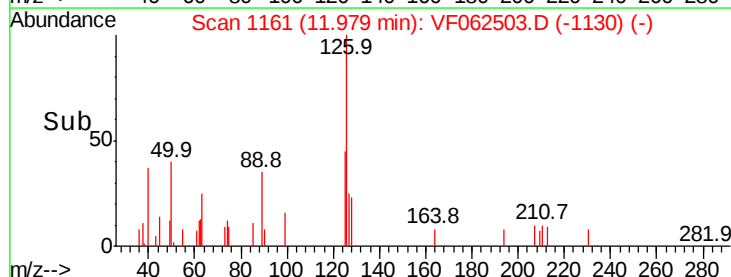
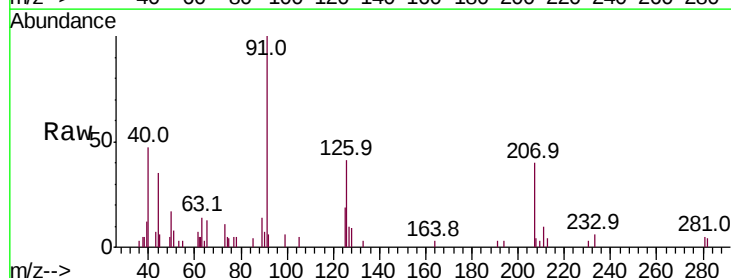
RT: 11.98 min Scan# 1161

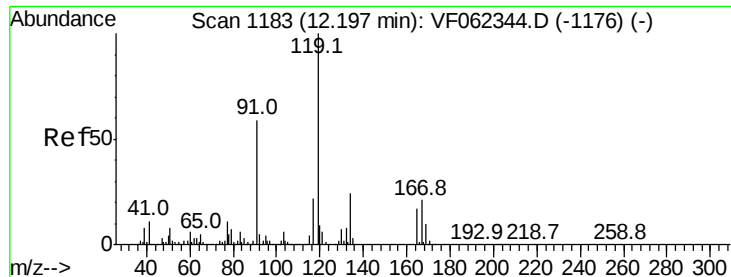
Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	91	Resp:	6175
Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.7	53.1





#83

tert-Butylbenzene

Concen: 70.025 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

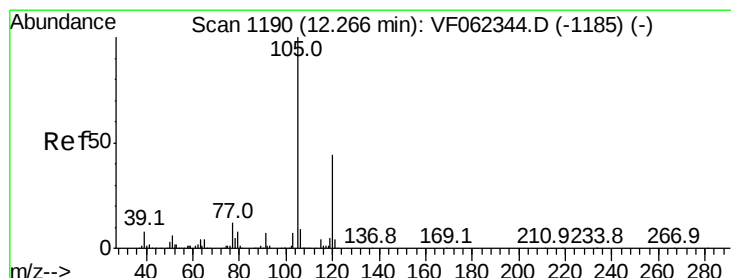
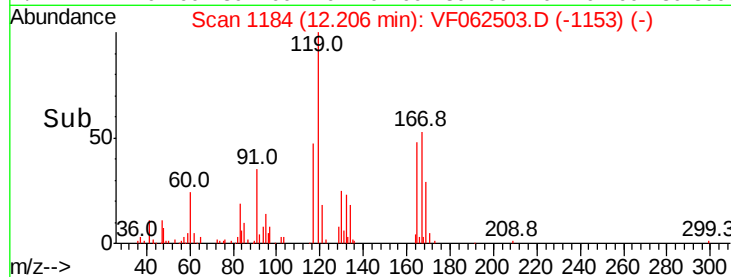
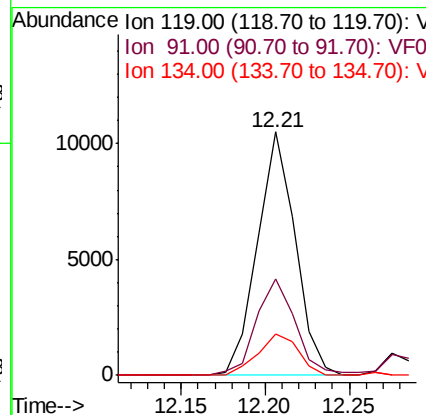
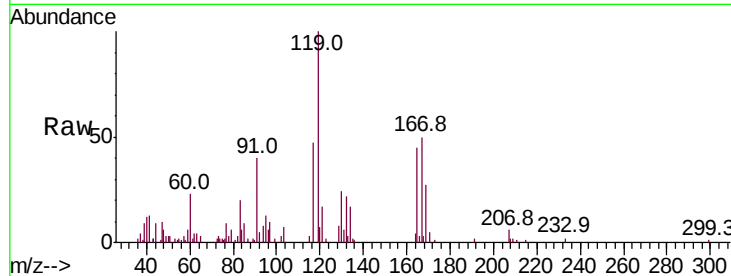
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	119	Resp:	16340
Ion Ratio	Lower	Upper	
119	100		
91	41.7	30.4	91.3
134	18.0	11.9	35.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 44.412 ug/l

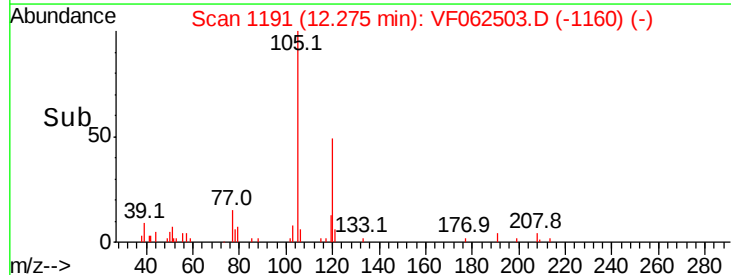
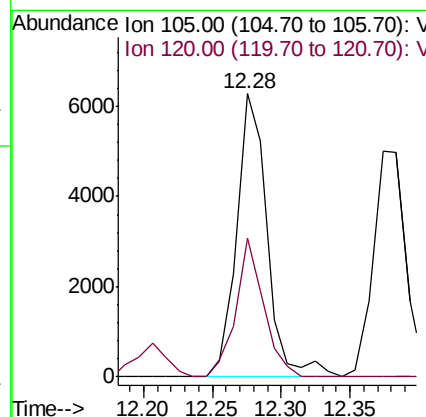
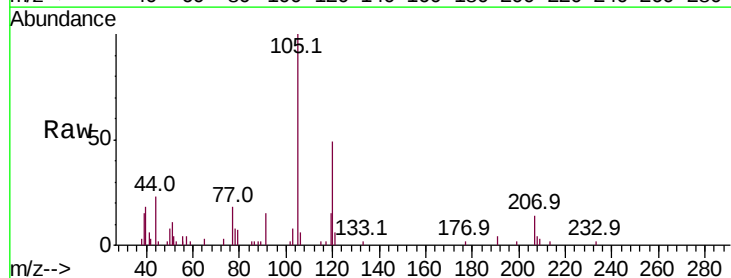
RT: 12.28 min Scan# 1191

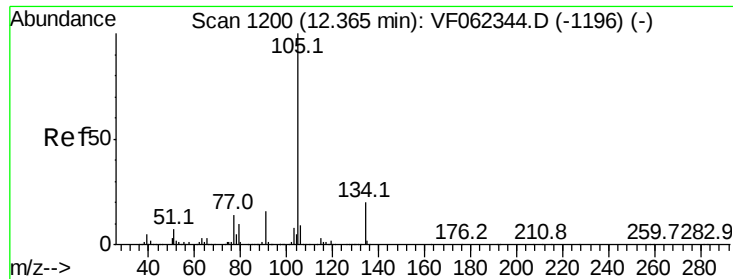
Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	105	Resp:	9650
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.6	67.7





#85

sec-Butylbenzene

Concen: 28.705 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

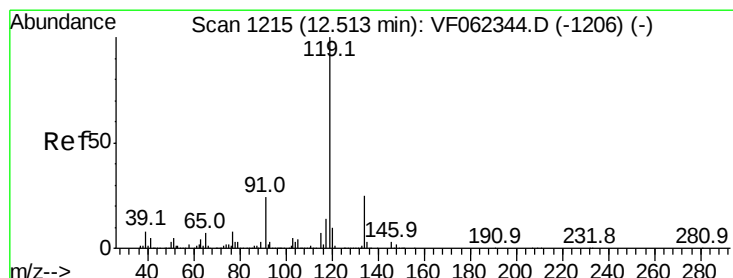
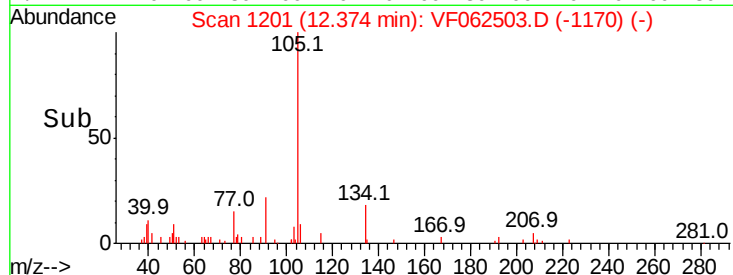
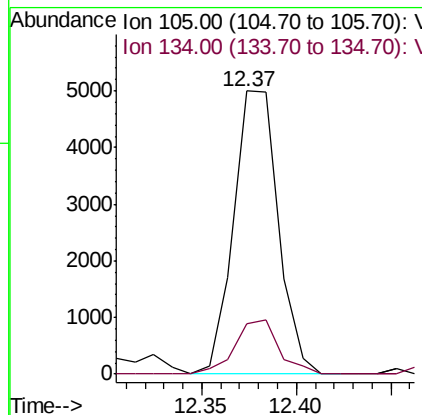
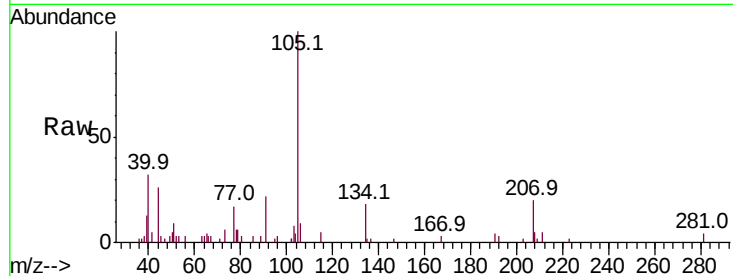
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	8153		
134	19.1		9.8	29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 27.224 ug/l

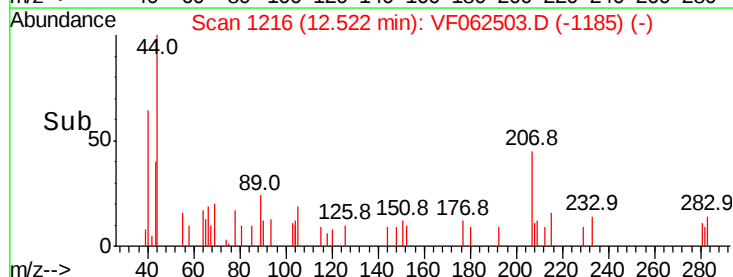
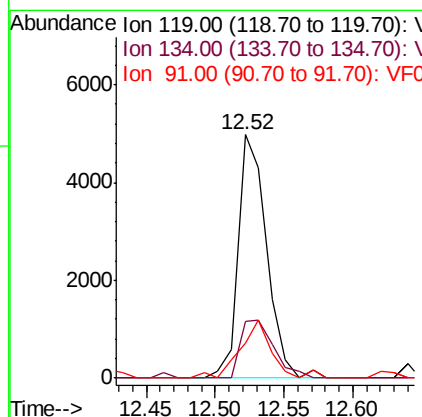
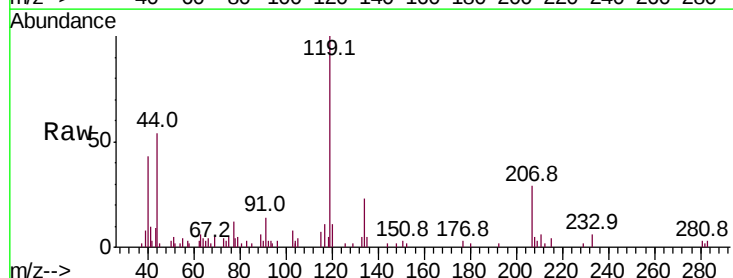
RT: 12.52 min Scan# 1216

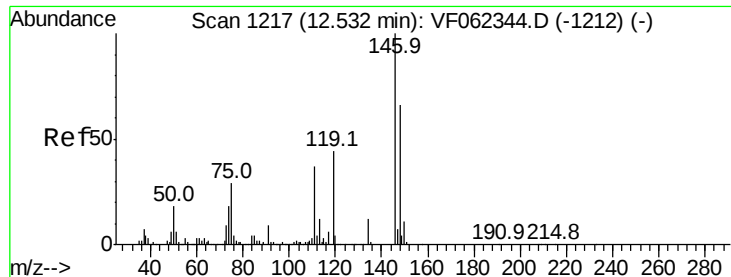
Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	7184		
134	27.8		12.9	38.7
91	25.1		12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 45.248 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

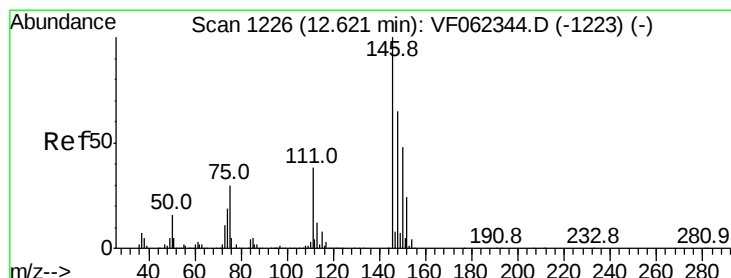
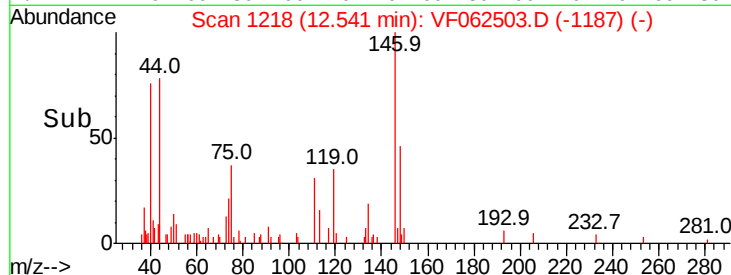
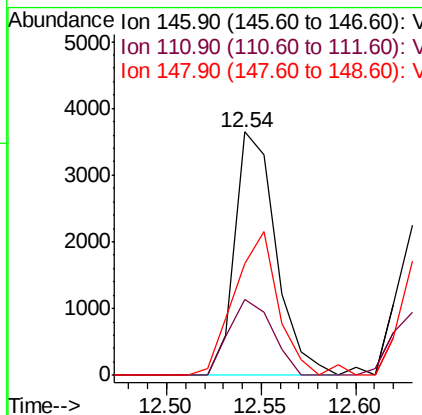
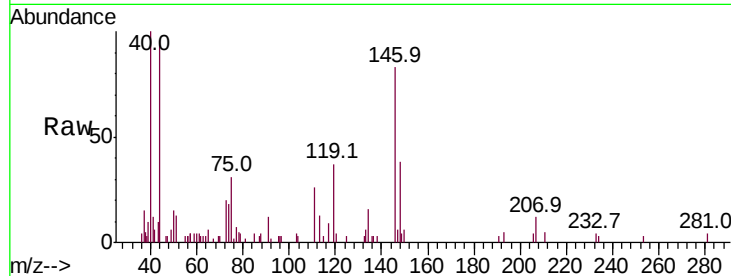
ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion:	146	Resp:	5494
Ion Ratio	Lower	Upper	
146	100		
111	32.9	18.3	54.8
148	64.3	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 40.609 ug/l

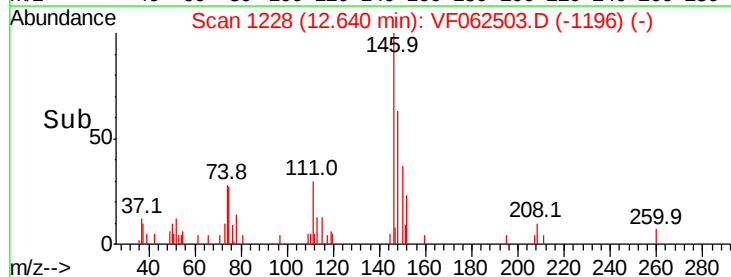
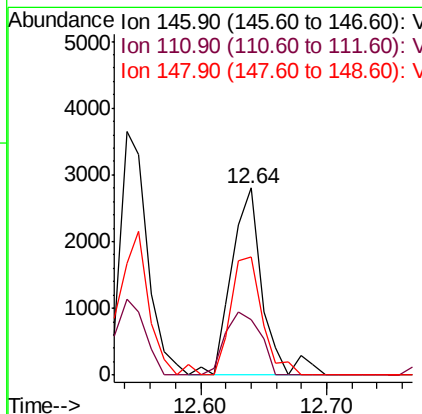
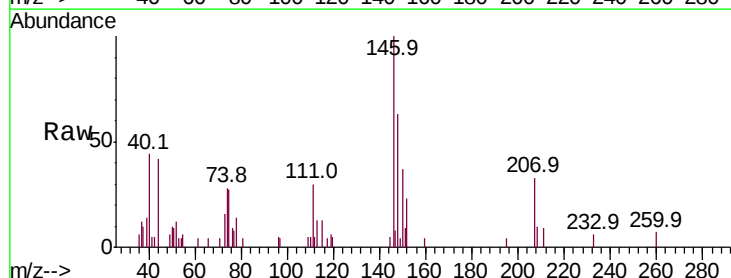
RT: 12.64 min Scan# 1228

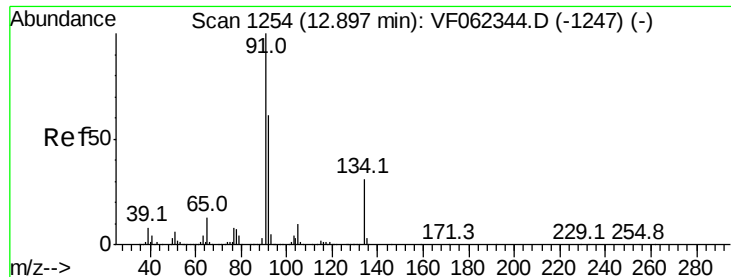
Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion:	146	Resp:	4759
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.8	56.3
148	64.1	32.2	96.6





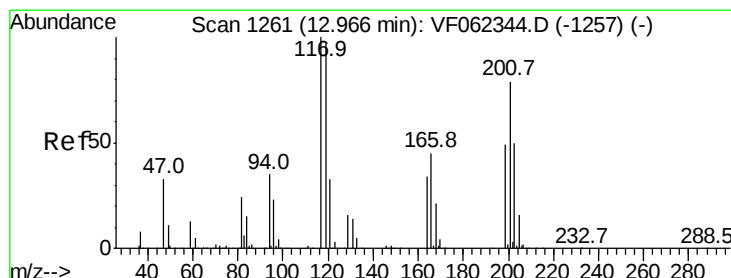
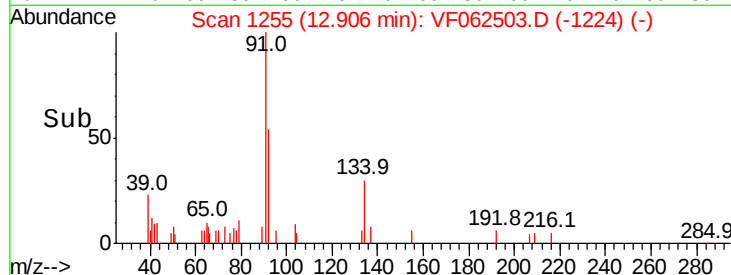
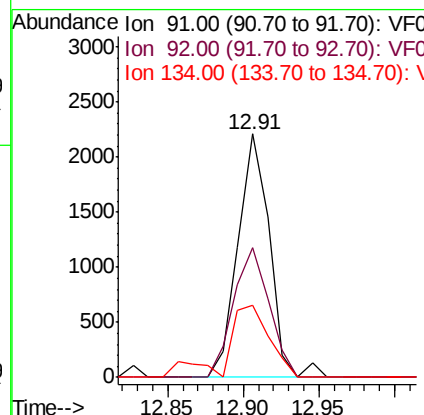
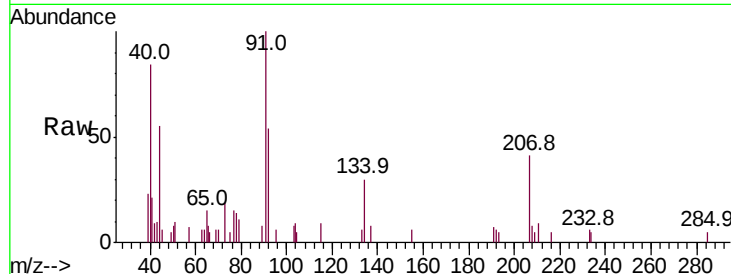
#89
n-Butylbenzene
Concen: 13.660 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	3207		
92	60.1		30.0	90.0
134	40.5		14.1	42.4

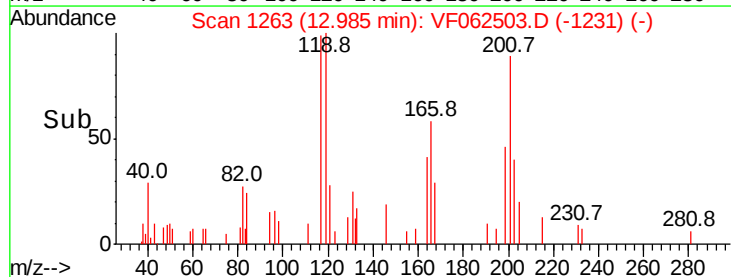
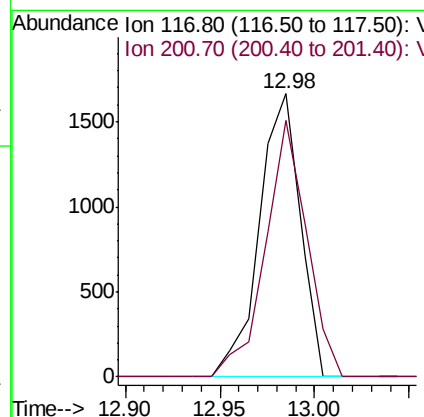
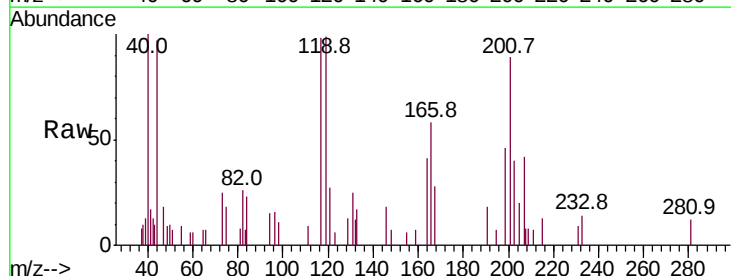
Manual Integrations
APPROVED

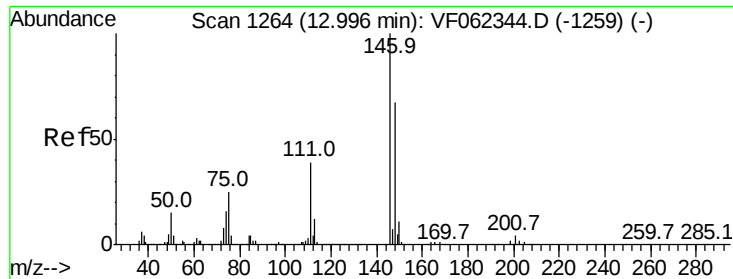
MMDadoda
5/13/2019 12:26:26 PM



#90
Hexachloroethane
Concen: 38.171 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2515		
201	91.2		46.2	138.5





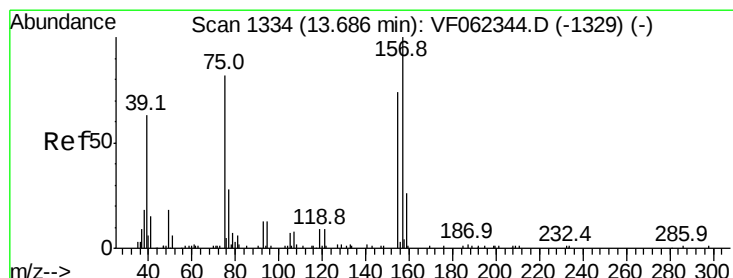
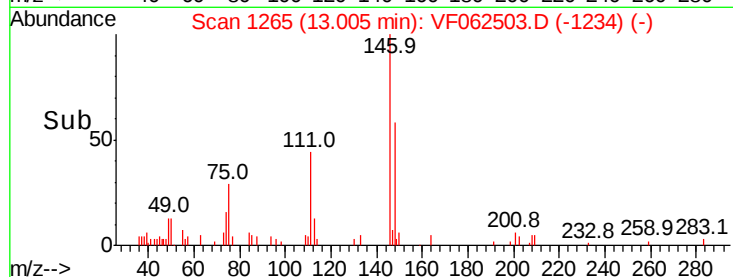
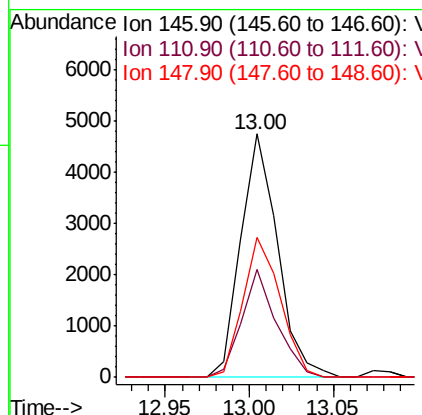
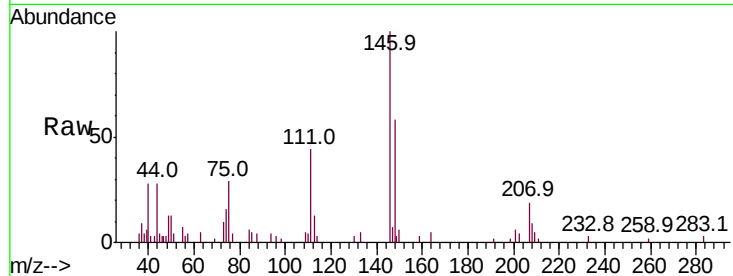
#91
 1,2-Dichlorobenzene
 Concen: 61.349 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	7210		
111	41.8		20.0	60.0
148	58.3		33.1	99.5

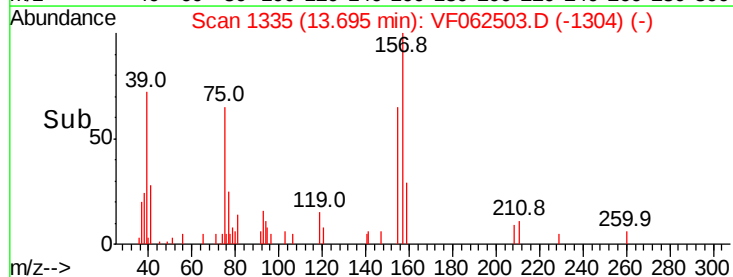
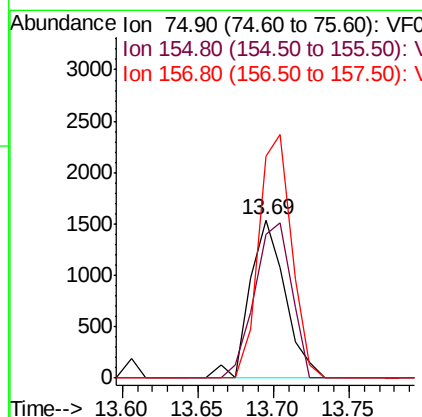
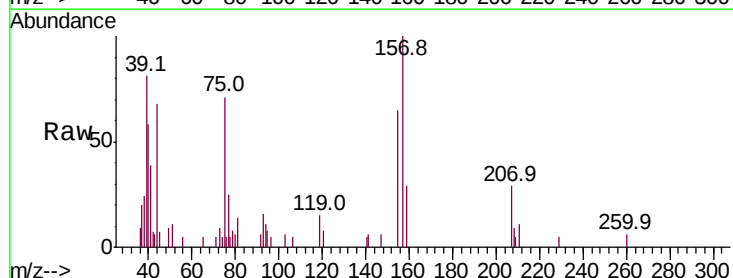
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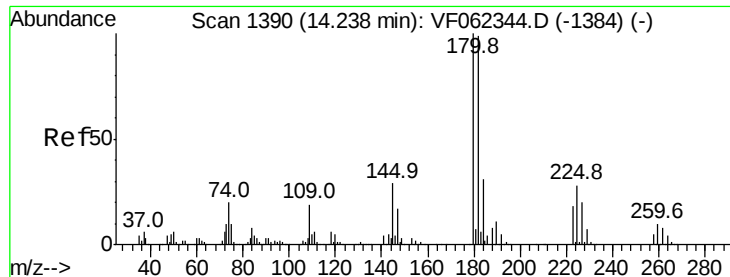
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 280.670 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2494		
155	103.8		51.8	155.4
157	144.4		67.3	201.8





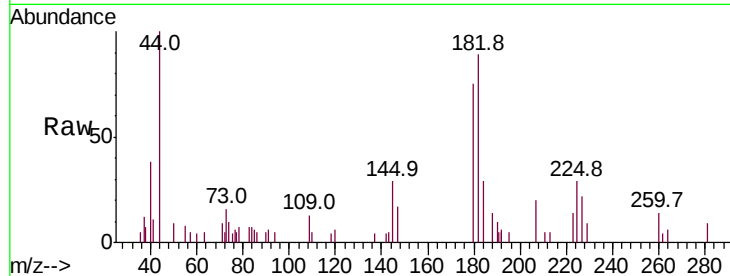
#93
1,2,4-Trichlorobenzene
Concen: 27.653 ug/l
RT: 14.25 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

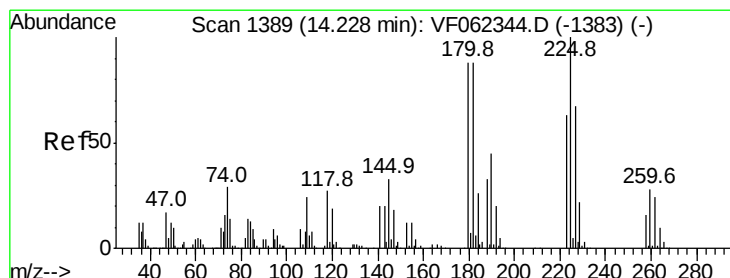
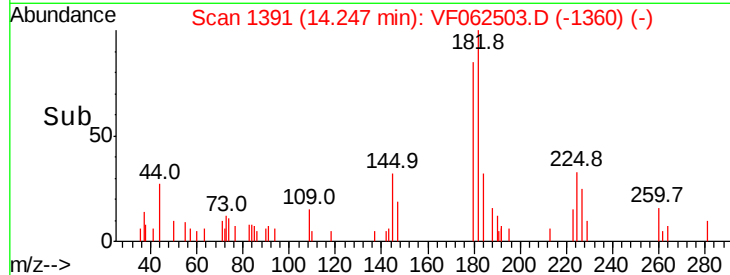
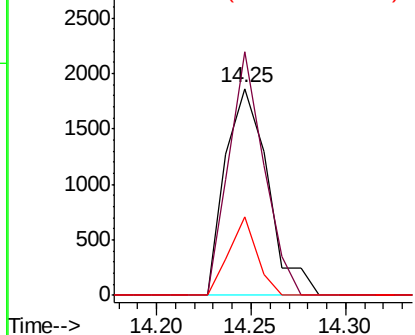
Tot Ion	Ratio	Resp	Lower	Upper
180	100	2915		
182	96.3	49.0	147.0	
145	24.8	16.7	50.1	

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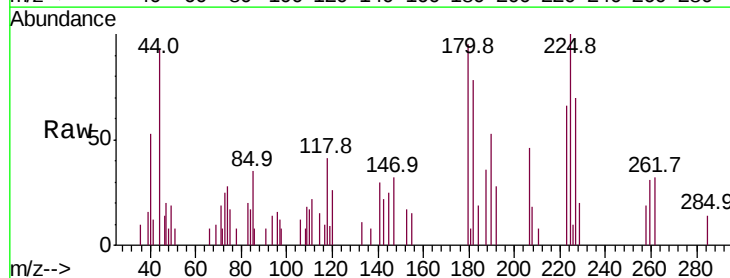


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

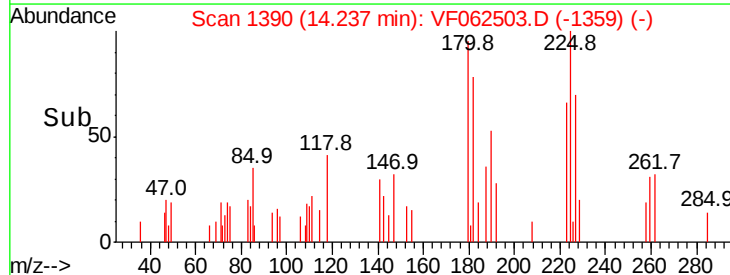
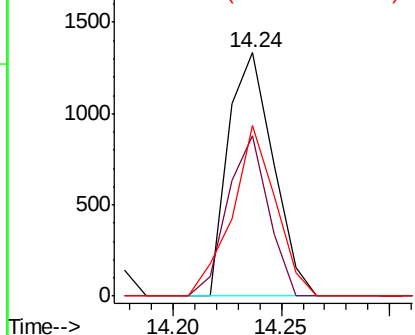


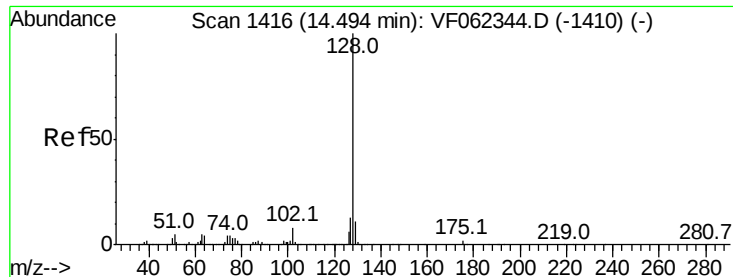
#94
Hexachlorobutadiene
Concen: 24.526 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1927		
223	59.9	31.9	95.5	
227	68.1	33.1	99.5	



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





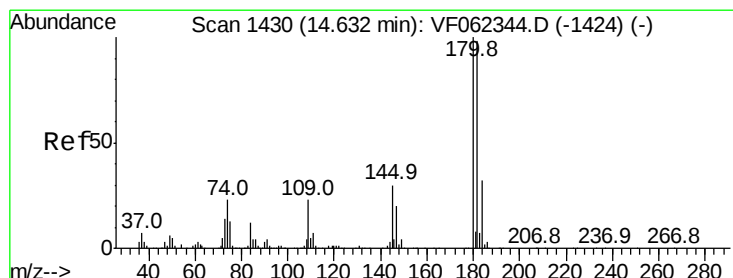
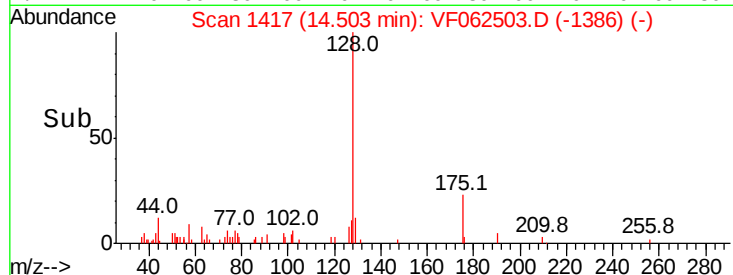
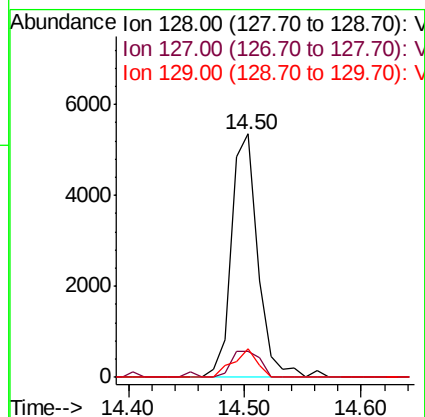
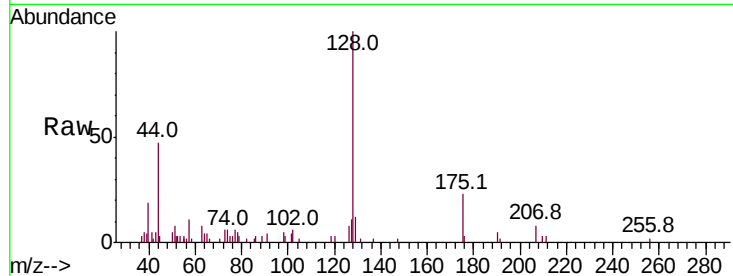
#95
Naphthalene
Concen: 53.274 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.5	15.7
129	10.6	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 34.428 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.1	49.4	148.0
145	19.0	14.8	44.3

