

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009175.D
 Acq On : 25 Apr 2019 20:13
 Operator : JC/SP
 Sample : K2555-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MSD

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:05:41 AM

Quant Time: Apr 26 06:54:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	301575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	129689	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	5.50	113	95882	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	382304	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	140777	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	104455	50.012	ug/l	100
3) Chloromethane	1.32	50	129642	50.560	ug/l	99
4) Vinyl Chloride	1.40	62	123367	49.433	ug/l	98
5) Bromomethane	1.64	94	75233	48.283	ug/l	100
6) Chloroethane	1.71	64	79534	54.196	ug/l	97
7) Trichlorofluoromethane	1.92	101	142728	48.983	ug/l	97
8) Diethyl Ether	2.19	74	65058	48.822	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88589	47.552	ug/l	98
10) Methyl Iodide	2.51	142	100809	49.535	ug/l	99
11) Tert butyl alcohol	3.06	59	159446	281.087	ug/l	100
12) 1,1-Dichloroethene	2.37	96	91730	47.172	ug/l	96
13) Acrolein	2.29	56	114605	233.828	ug/l	99
14) Allyl chloride	2.73	41	215436	50.781	ug/l	99
15) Acrylonitrile	3.14	53	389823	270.720	ug/l	100
16) Acetone	2.45	43	339480	256.170	ug/l	97
17) Carbon Disulfide	2.57	76	263944	46.286	ug/l	99
18) Methyl Acetate	2.78	43	153234	46.330	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	351700	50.759	ug/l	100
20) Methylene Chloride	2.85	84	109221	48.194	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	97934	47.217	ug/l	97
22) Diisopropyl ether	3.86	45	420845	51.049	ug/l	# 87
23) Vinyl Acetate	3.82	43	1633622	225.431	ug/l	99
24) 1,1-Dichloroethane	3.70	63	206993	50.019	ug/l	99
25) 2-Butanone	4.68	43	576464	272.139	ug/l	100
26) 2,2-Dichloropropane	4.58	77	118119	38.078	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	113756	48.306	ug/l	99
28) Bromochloromethane	5.02	49	87153	50.732	ug/l	100
29) Tetrahydrofuran	5.13	42	386226	272.413	ug/l	99
30) Chloroform	5.21	83	187585	50.656	ug/l	100
31) Cyclohexane	5.58	56	196969	48.393	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	154100	50.209	ug/l	100
36) 1,1-Dichloropropene	5.80	75	143065	45.870	ug/l	99
37) Ethyl Acetate	4.84	43	187044	46.605	ug/l	99
38) Carbon Tetrachloride	5.79	117	128299	48.522	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	172205	45.348	ug/l	99
40) Benzene	6.14	78	441984	48.036	ug/l	99
41) Methacrylonitrile	5.04	41	119941	52.072	ug/l	99
42) 1,2-Dichloroethane	6.20	62	159451	48.921	ug/l	99
43) Isopropyl Acetate	6.45	43	307012	47.470	ug/l	100
44) Trichloroethene	7.21	130	102139	45.306	ug/l	99
45) 1,2-Dichloropropane	7.51	63	126407	49.521	ug/l	100
46) Dibromomethane	7.66	93	71683	48.253	ug/l	100
47) Bromodichloromethane	7.90	83	143871	49.377	ug/l	99
48) Methyl methacrylate	7.77	41	168111	52.606	ug/l	99
49) 1,4-Dioxane	7.74	88	60319	1008.456	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1127000	273.523	ug/l	99
52) Toluene	8.79	92	268128	48.623	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	162889	48.576	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	178627	47.573	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	108932	49.843	ug/l	97
56) Ethyl methacrylate	9.18	69	203631	51.963	ug/l	99
57) 1,3-Dichloropropane	9.37	76	192597	49.495	ug/l	99
59) 2-Hexanone	9.49	43	893752	281.348	ug/l	99
60) Dibromochloromethane	9.58	129	107198	51.178	ug/l	100
61) 1,2-Dibromoethane	9.67	107	111827	49.577	ug/l	99
64) Tetrachloroethene	9.34	164	88722	42.403	ug/l	99
65) Chlorobenzene	10.14	112	275680	47.421	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	99372	48.522	ug/l	100
67) Ethyl Benzene	10.25	91	507240	47.731	ug/l	98
68) m/p-Xylenes	10.36	106	372245	96.382	ug/l	99
69) o-Xylene	10.70	106	183587	48.853	ug/l	99
70) Styrene	10.71	104	320426	49.204	ug/l	99
71) Bromoform	10.85	173	83028	50.888	ug/l #	99
73) Isopropylbenzene	11.02	105	484820	48.113	ug/l	100
74) N-amyl acetate	10.90	43	263592	45.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	186472	50.647	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	156892m	48.332	ug/l	
77) Bromobenzene	11.26	156	120083	47.232	ug/l	99
78) n-propylbenzene	11.36	91	560035	48.422	ug/l	100
79) 2-Chlorotoluene	11.42	91	334548	48.002	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	409479	48.425	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58473	46.245	ug/l	96
82) 4-Chlorotoluene	11.51	91	383706	47.405	ug/l	100
83) tert-Butylbenzene	11.77	119	404015	49.765	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	411607	47.820	ug/l	100
85) sec-Butylbenzene	11.94	105	466174	48.146	ug/l	100
86) p-Isopropyltoluene	12.06	119	421357	47.333	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	208841	46.933	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	209036	46.341	ug/l	100
89) n-Butylbenzene	12.38	91	377718	45.561	ug/l	99
90) Hexachloroethane	12.60	117	72112	49.109	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	214764	48.876	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44091	52.597	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	148254	46.740	ug/l	100

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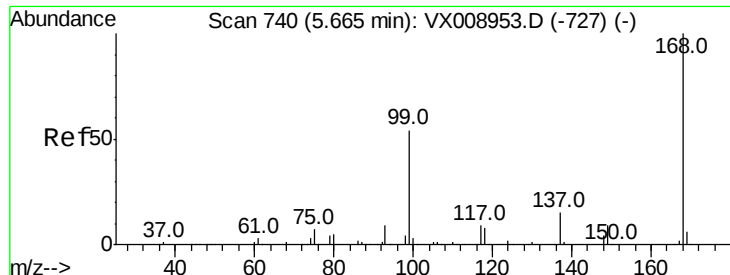
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	72649	45.923	ug/l	99
95) Naphthalene	13.83	128	511143	50.299	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	150016	47.934	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion:168 Resp: 181332

Ion Ratio Lower Upper

168 100

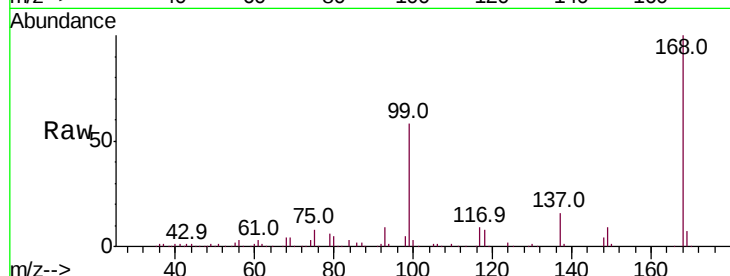
99 57.7 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

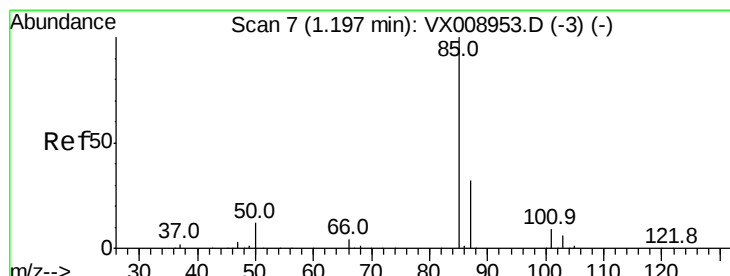
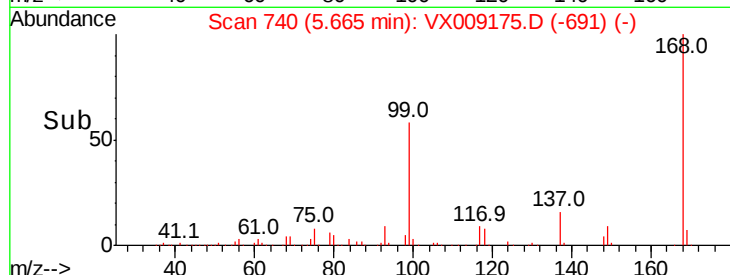
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.012 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009175.D

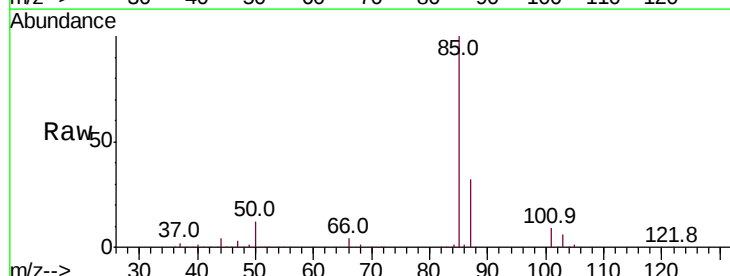
Acq: 25 Apr 2019 20:13

Tgt Ion: 85 Resp: 104455

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

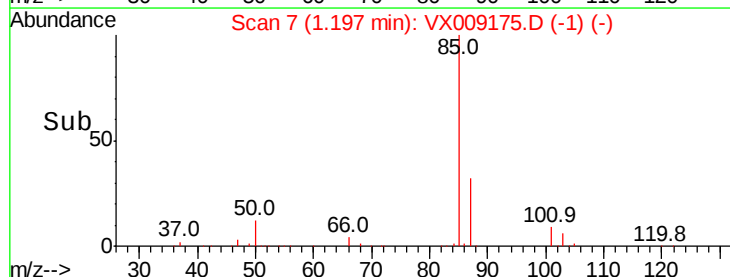
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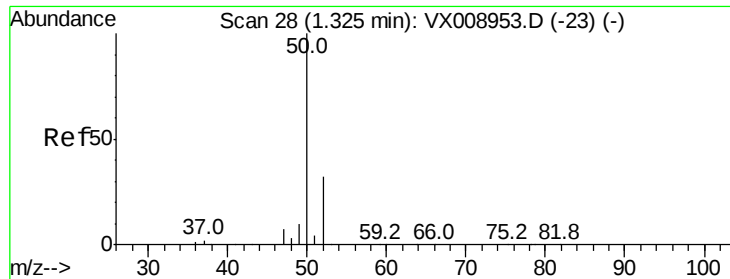
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 50.560 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

HW-7MSD

Tot Ion: 50 Resp: 129642

Ion Ratio Lower Upper

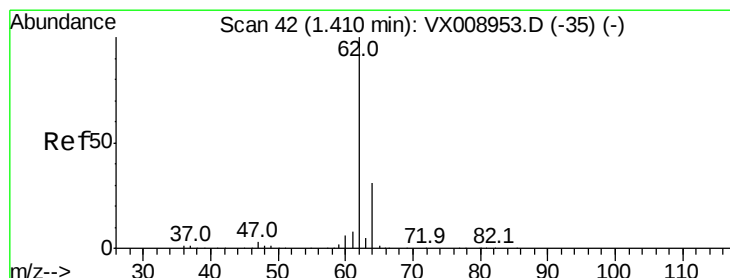
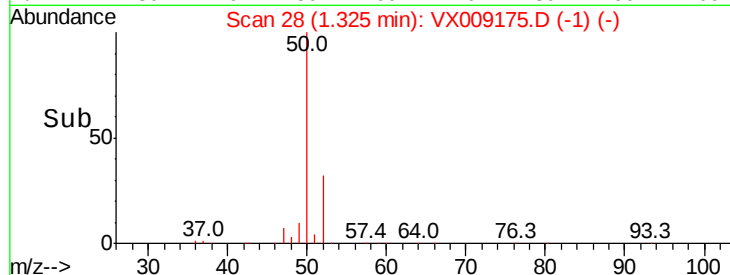
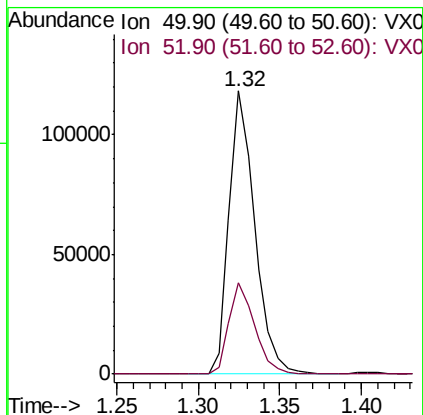
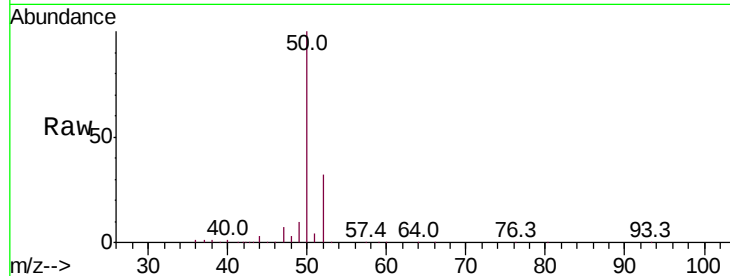
50 100

52 32.3 25.5 38.3

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#4

Vinyl Chloride

Concen: 49.433 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009175.D

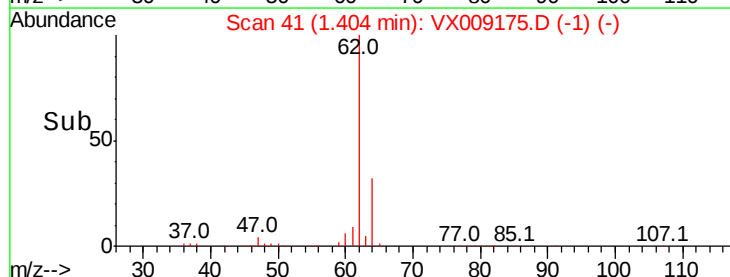
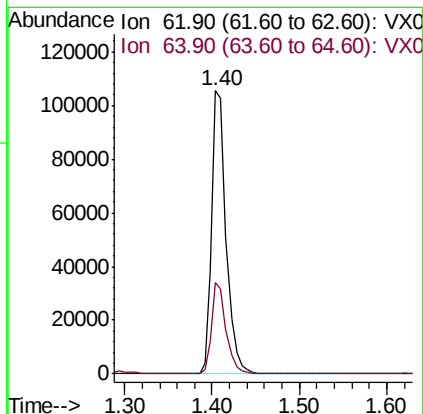
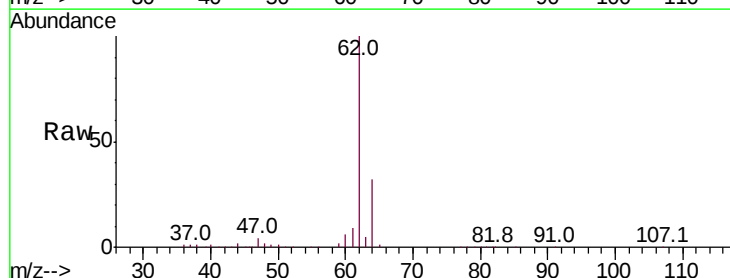
Acq: 25 Apr 2019 20:13

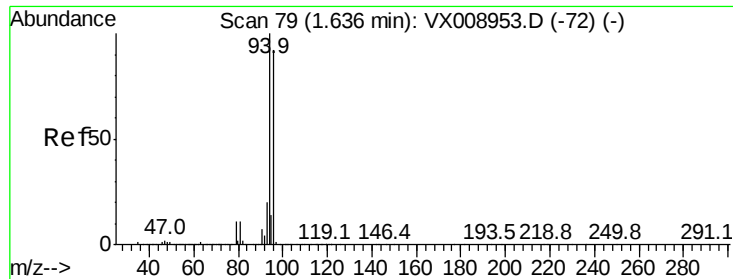
Tgt Ion: 62 Resp: 123367

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 48.283 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Tot Ion: 94 Resp: 75233

Ion Ratio Lower Upper

94 100

96 92.6 73.9 110.9

Instrument :

MSVOA_X

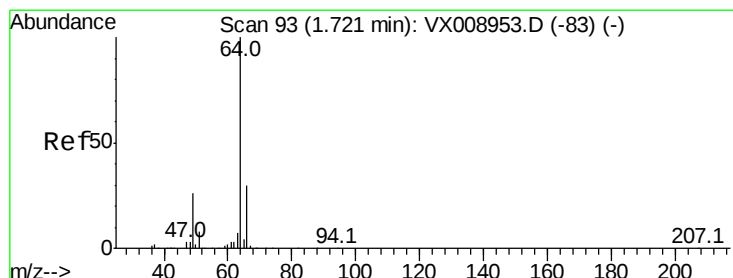
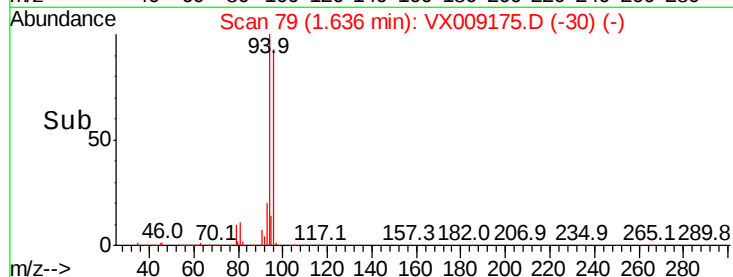
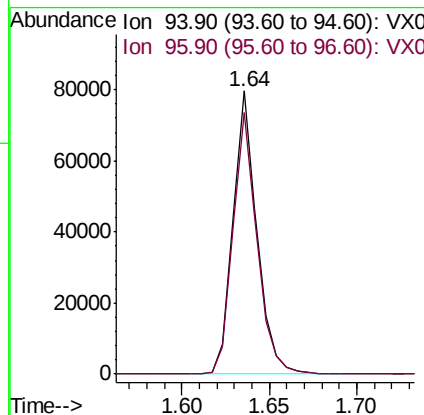
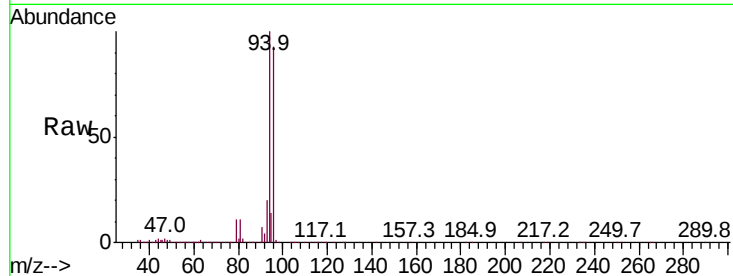
ClientSampleId :

HW-7MSD

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#6

Chloroethane

Concen: 54.196 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009175.D

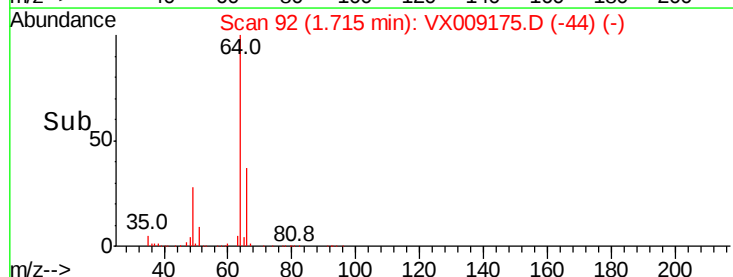
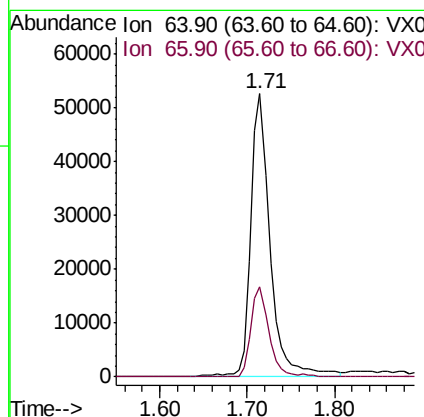
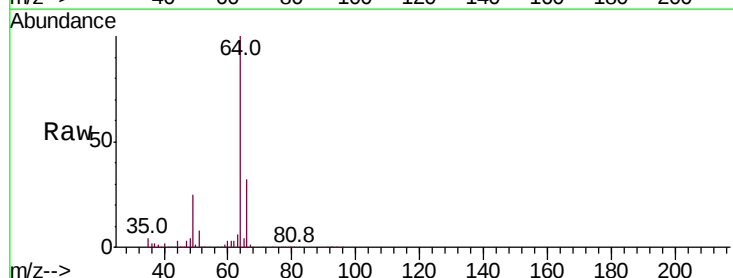
Acq: 25 Apr 2019 20:13

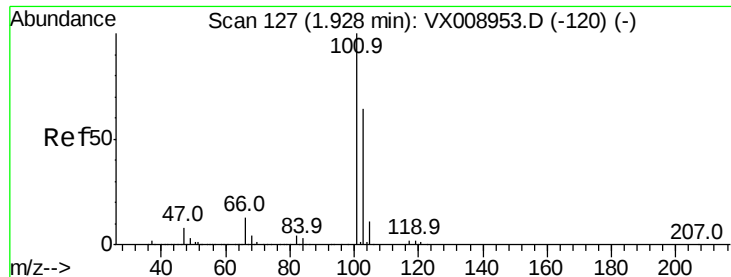
Tgt Ion: 64 Resp: 79534

Ion Ratio Lower Upper

64 100

66 31.7 24.2 36.2





#7

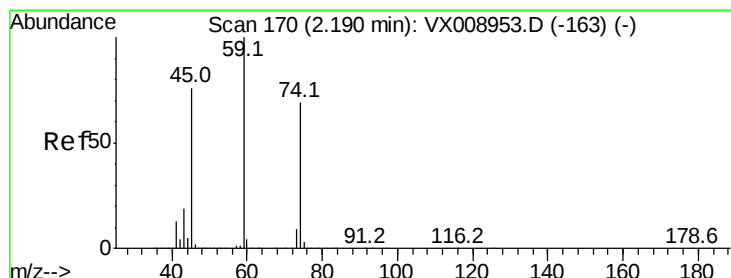
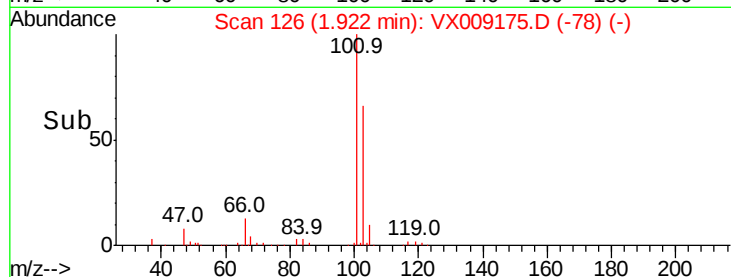
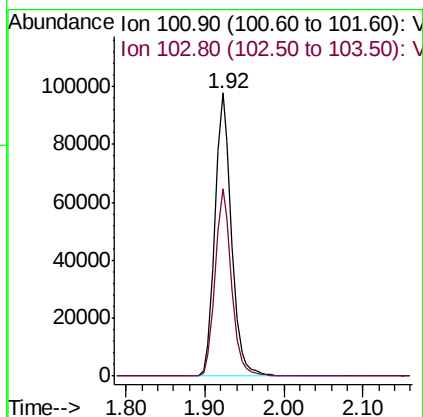
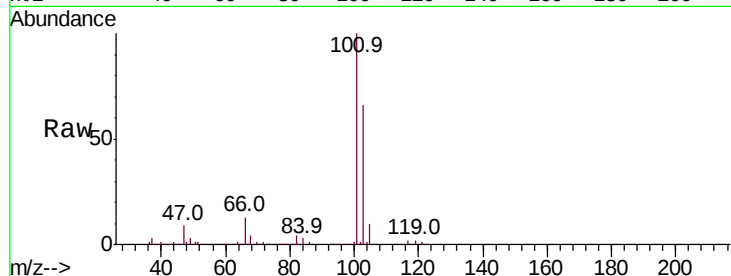
Trichlorofluoromethane
Concen: 48.983 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampled :
HW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	142728		
103	66.1	51.0	76.6	

Manual Integrations
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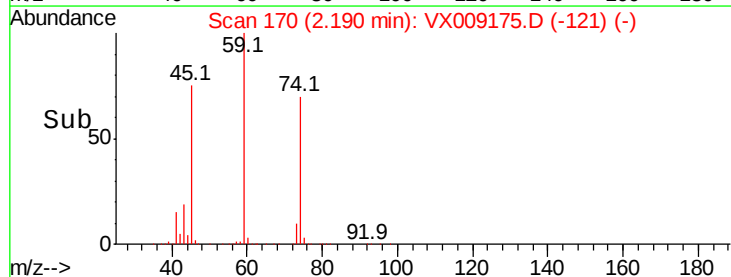
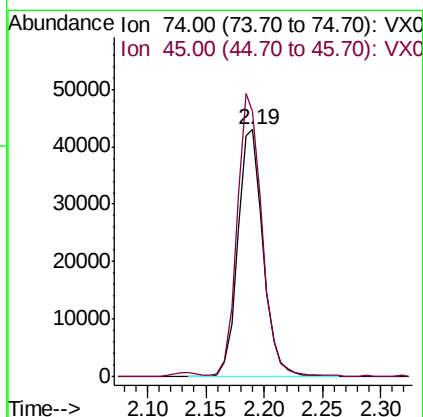
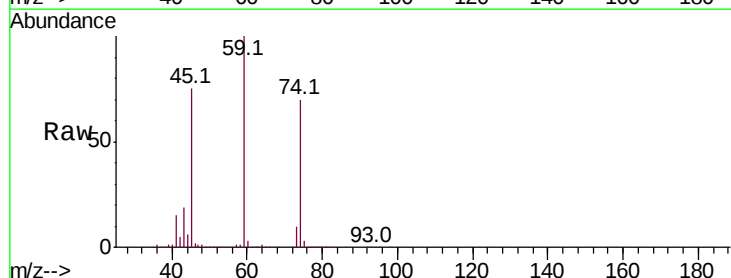
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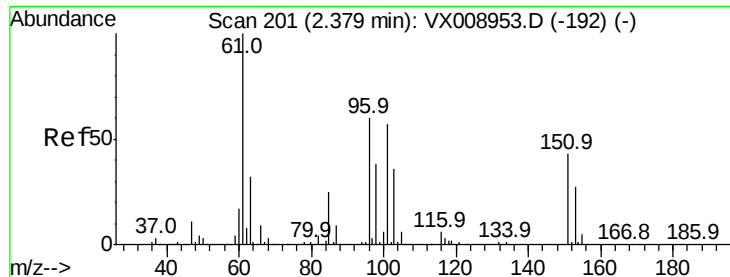


#8

Diethyl Ether
Concen: 48.822 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	65058		
45	111.2	54.9	164.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.552 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

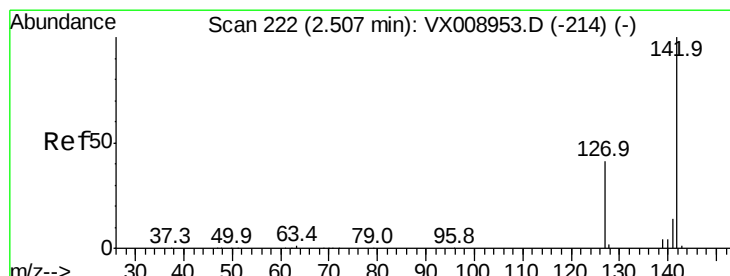
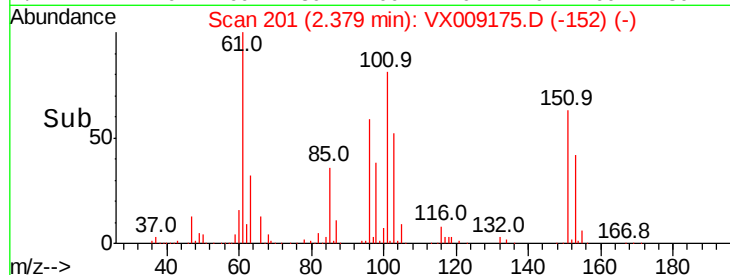
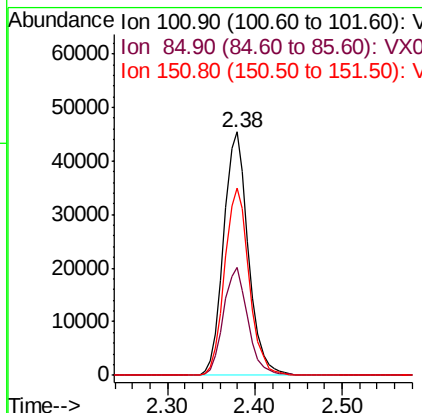
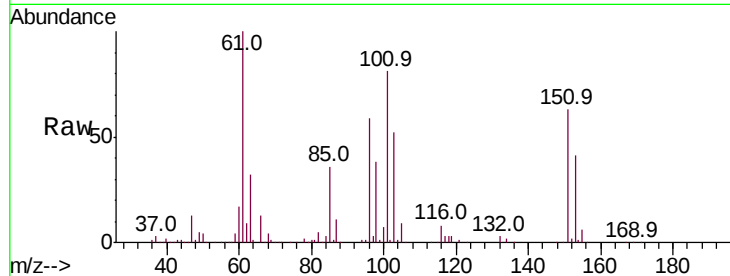
ClientSampleId :

HW-7MSD

Tot Ion:	101	Resp:	88589
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.7	53.5
151	76.6	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 49.535 ug/l

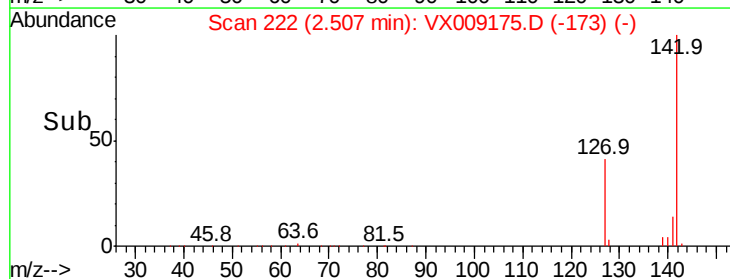
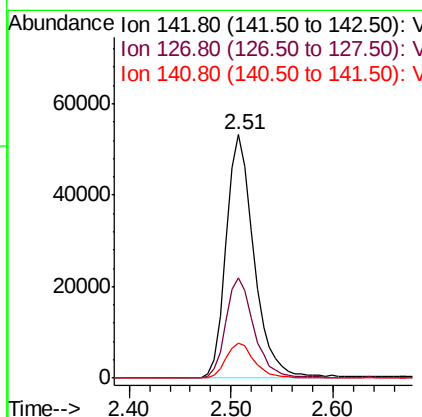
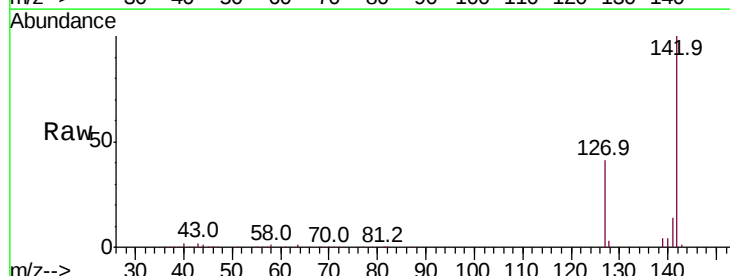
RT: 2.51 min Scan# 222

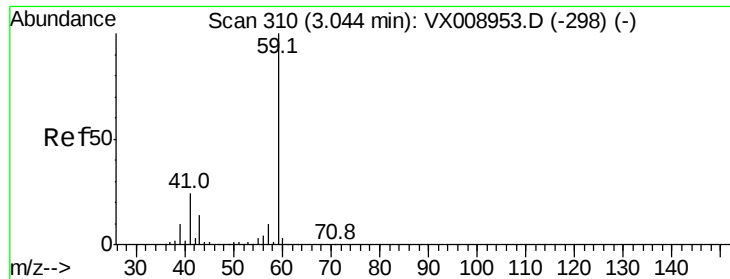
Delta R.T. 0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Tgt Ion:	142	Resp:	100809
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.8	49.2
141	14.5	11.4	17.2





#11

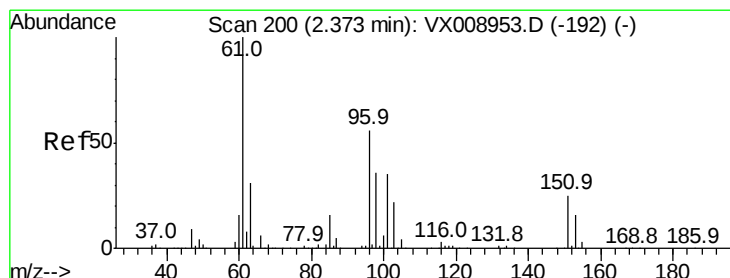
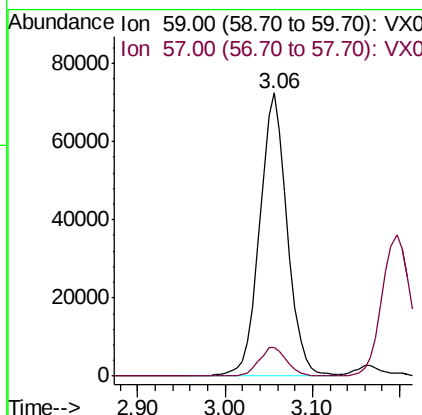
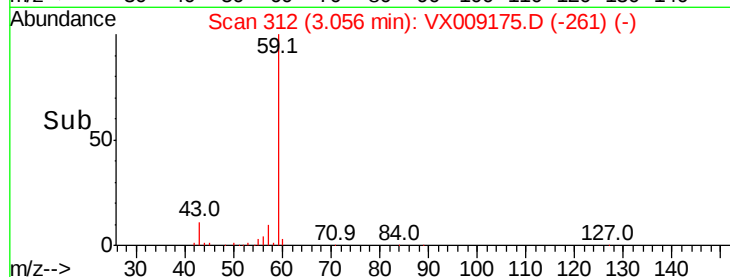
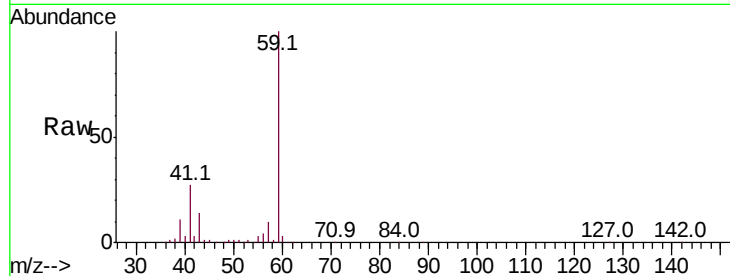
Tert butyl alcohol
Concen: 281.087 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	59	57	Ratio	100	10.5	Resp	159446	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	10.5	Resp	159446	Lower	8.4	Upper	12.6

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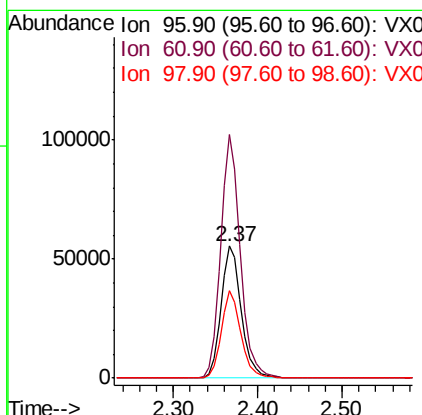
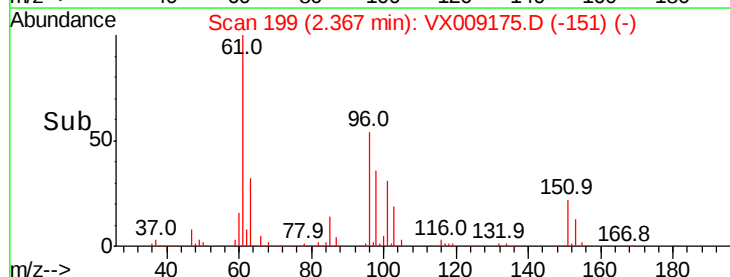
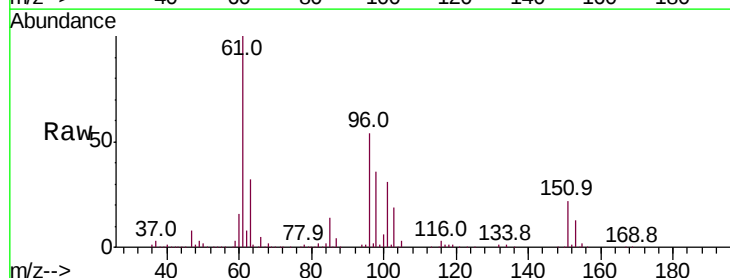
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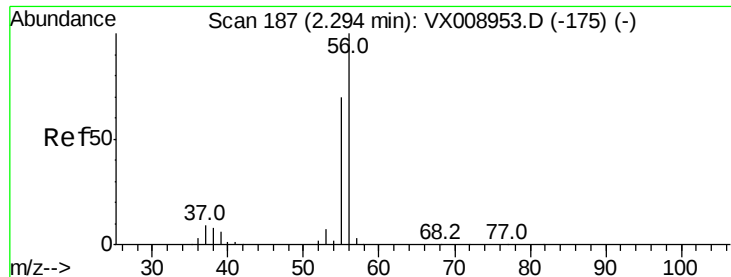


#12

1,1-Dichloroethene
Concen: 47.172 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	96	61	98	Ratio	100	184.5	66.0	Resp	91730	Lower	142.2	50.9	Upper	213.2	76.3
Ion	96	61	98	Ratio	100	184.5	66.0	Resp	91730	Lower	142.2	50.9	Upper	213.2	76.3





#13

Acrolein

Concen: 233.828 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 56 Resp: 114605

Ion Ratio Lower Upper

56 100

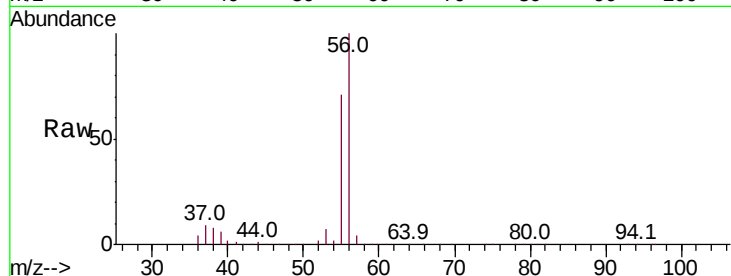
55 71.3 56.6 84.8

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

60000

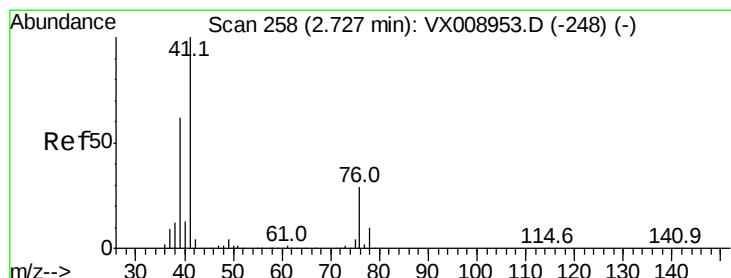
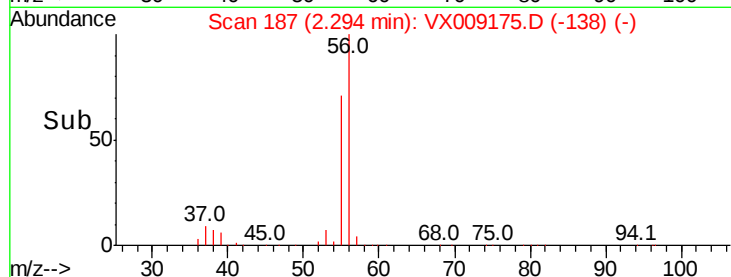
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 50.781 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

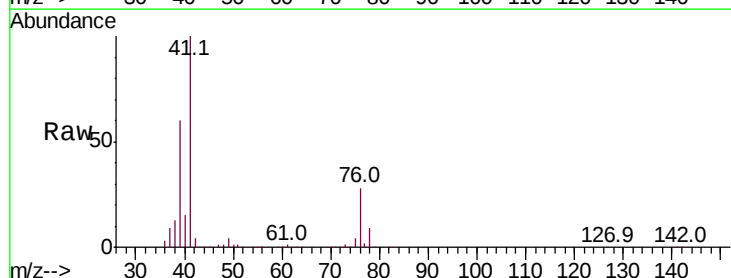
Tgt Ion: 41 Resp: 215436

Ion Ratio Lower Upper

41 100

39 58.5 46.7 70.1

76 26.4 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

150000

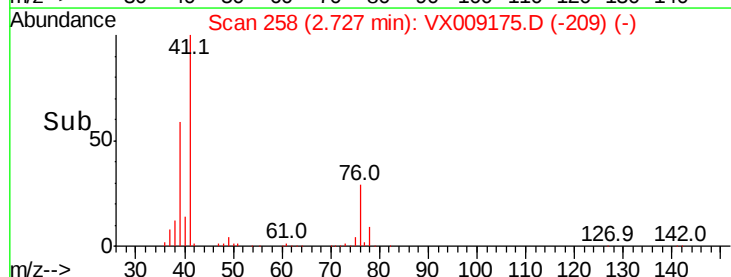
100000

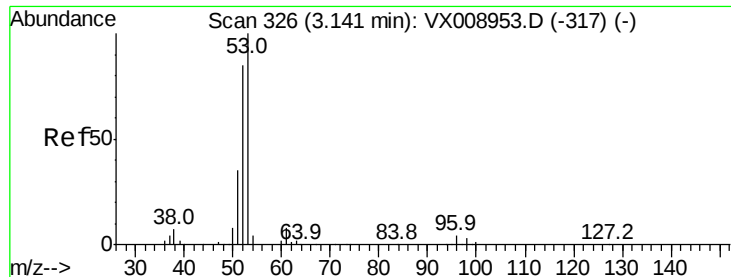
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 270.720 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

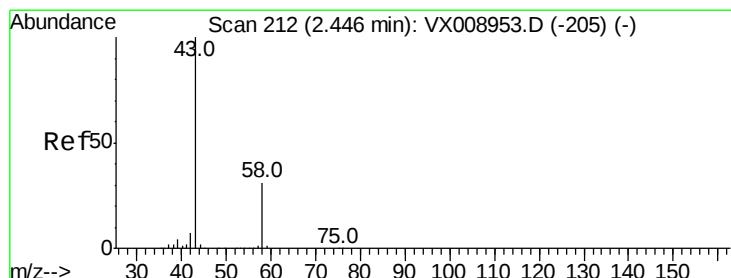
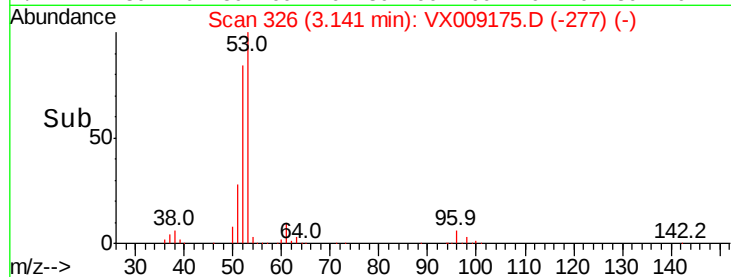
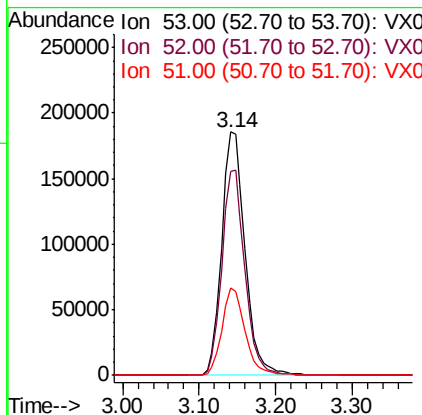
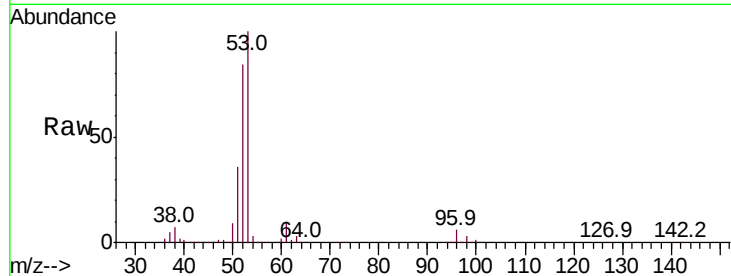
ClientSampleId :

HW-7MSD

Tot Ion:	53	Resp:	389823
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.6	100.0
51	35.7	28.3	42.5

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#16

Acetone

Concen: 256.170 ug/l

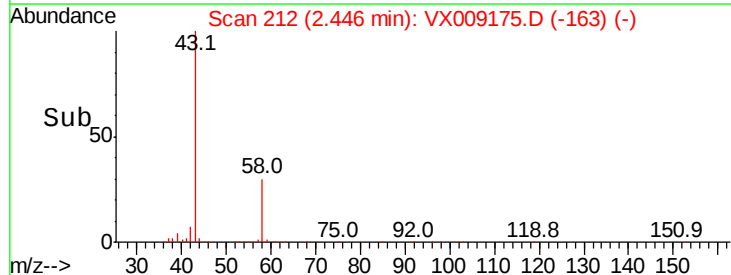
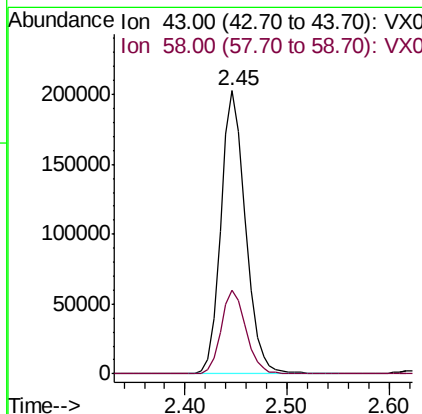
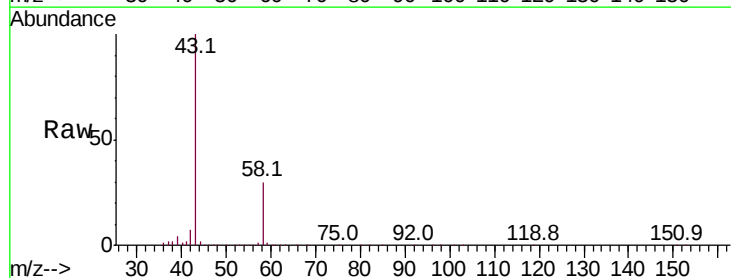
RT: 2.45 min Scan# 212

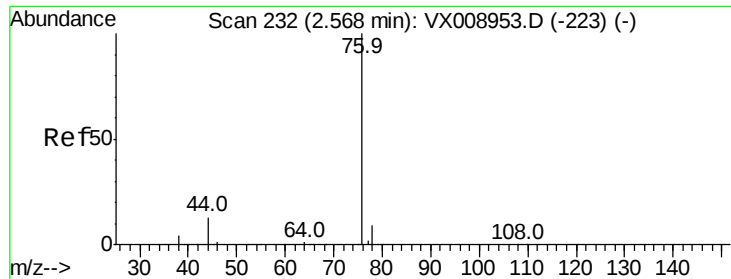
Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Tgt Ion:	43	Resp:	339480
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.8	37.2





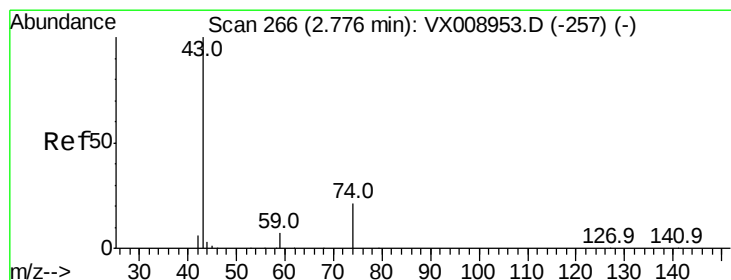
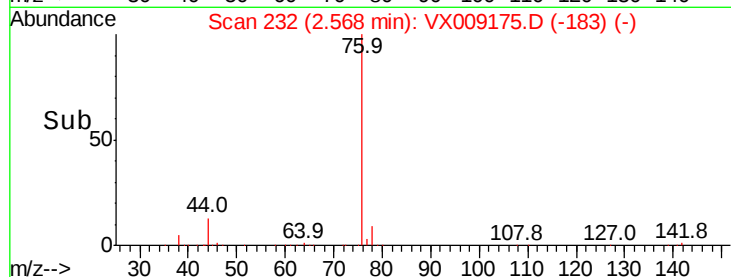
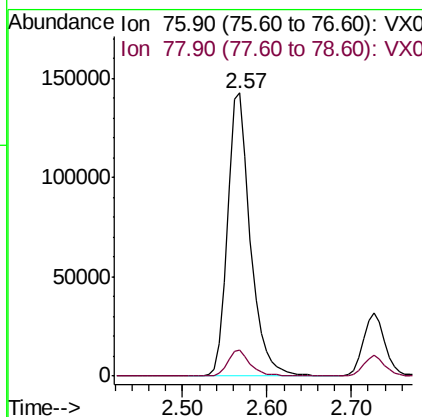
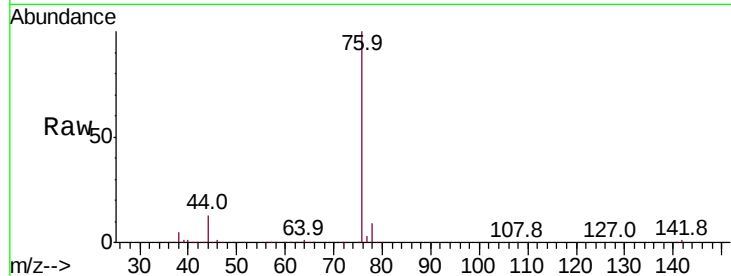
#17
Carbon Disulfide
Concen: 46.286 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

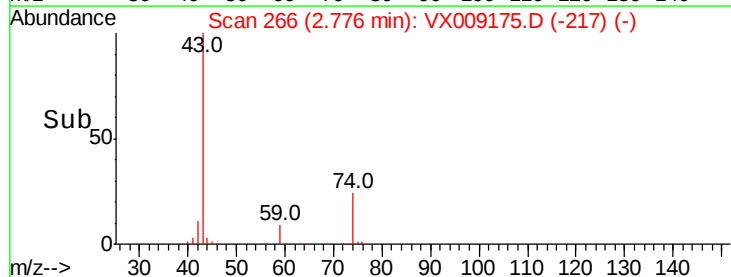
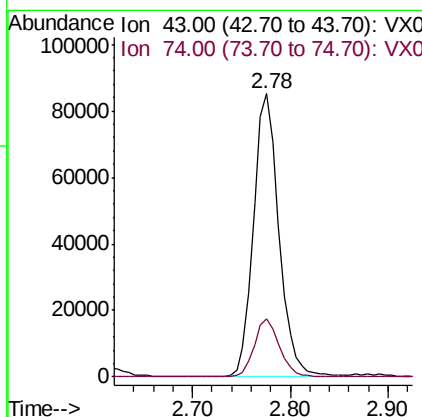
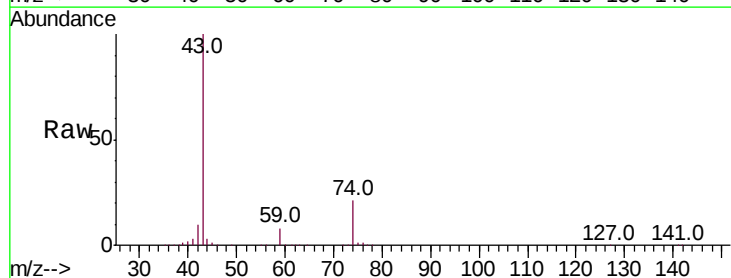
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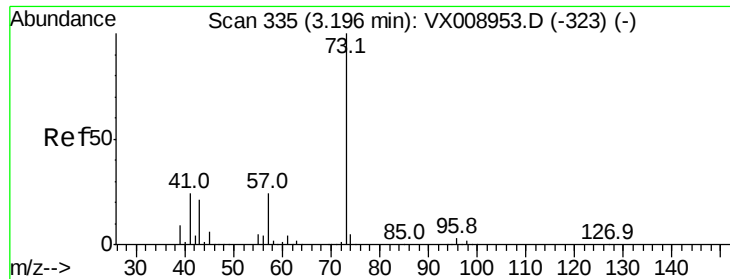
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#18
Methyl Acetate
Concen: 46.330 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





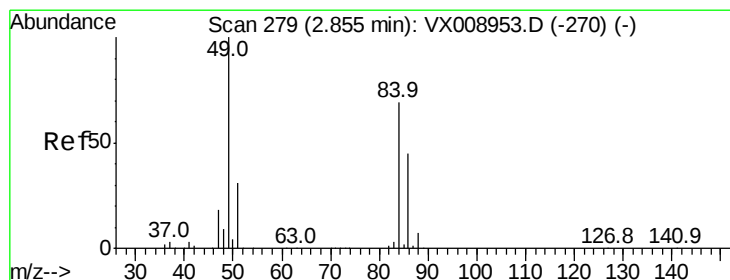
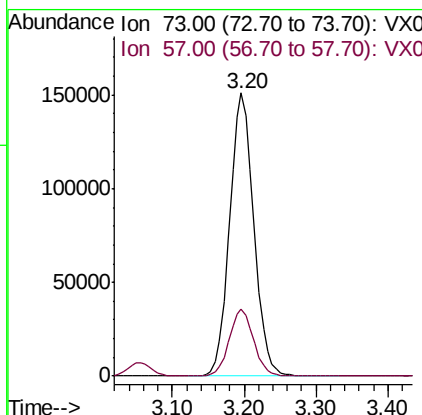
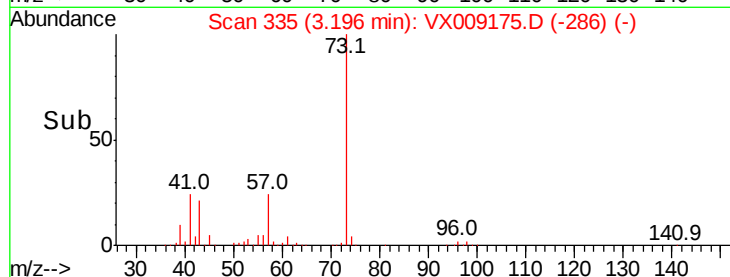
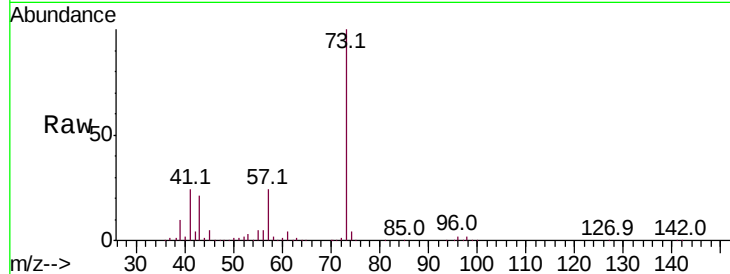
#19
Methyl tert-butyl Ether
Concen: 50.759 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.2	28.8

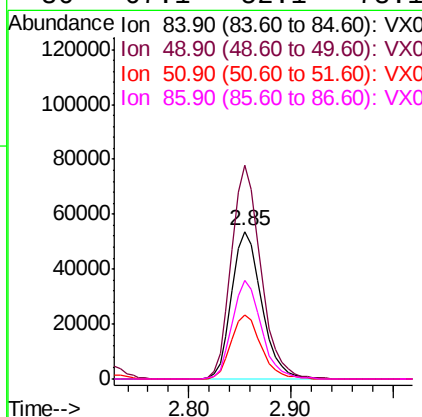
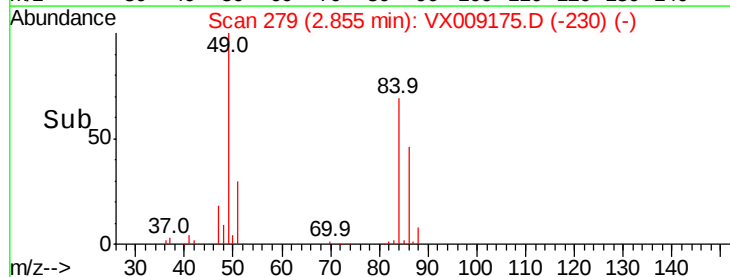
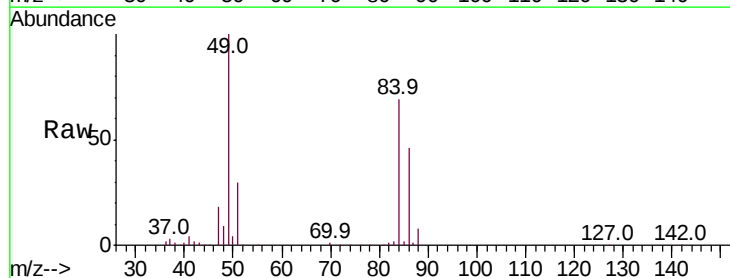
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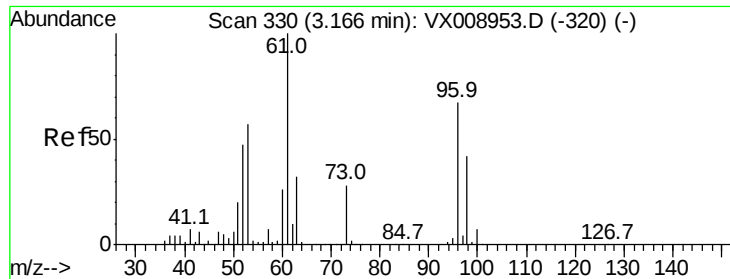
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#20
Methylene Chloride
Concen: 48.194 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.9	115.4	173.0
51	43.1	35.8	53.6
86	67.1	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 47.217 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

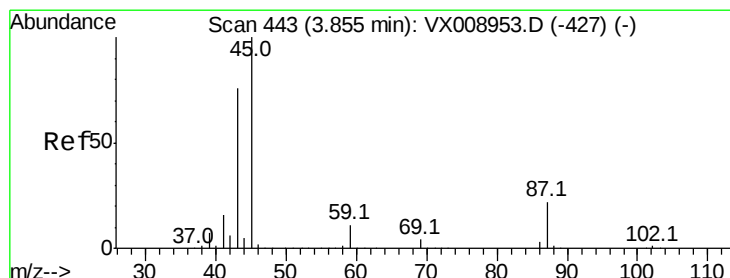
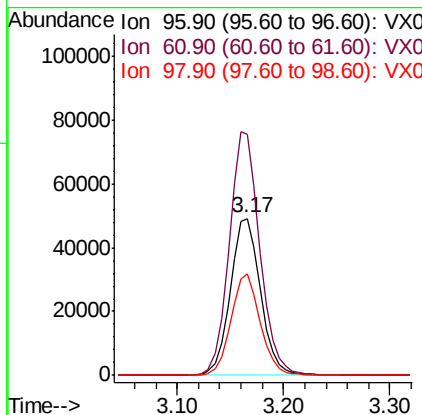
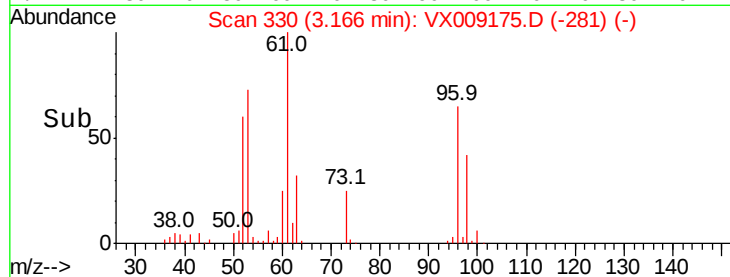
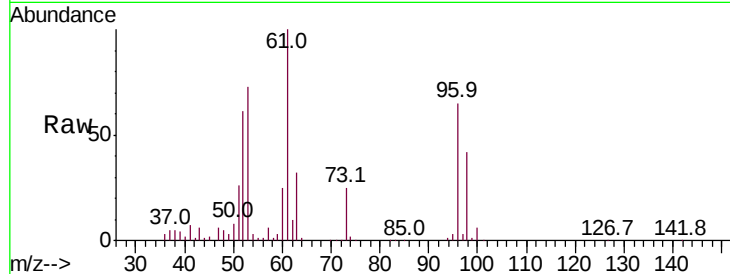
ClientSampleId :

HW-7MSD

Tot Ion:	96	Resp:	97934
Ion	Ratio	Lower	Upper
96	100		
61	153.6	120.3	180.5
98	65.0	50.2	75.2

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#22

Diisopropyl ether

Concen: 51.049 ug/l

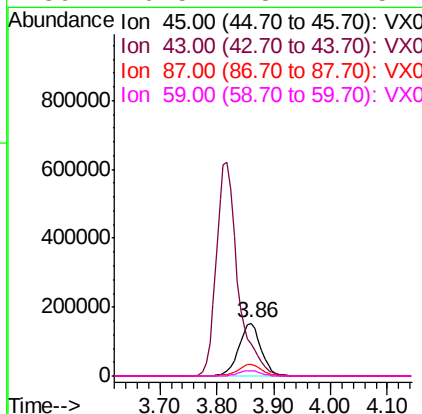
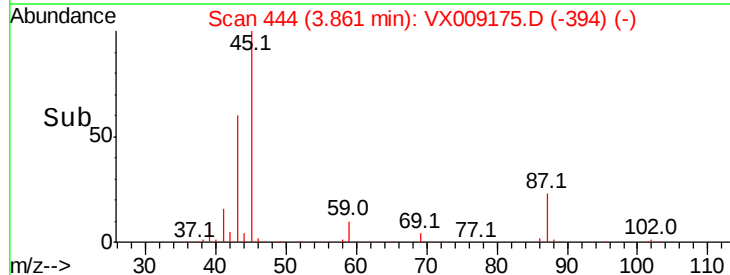
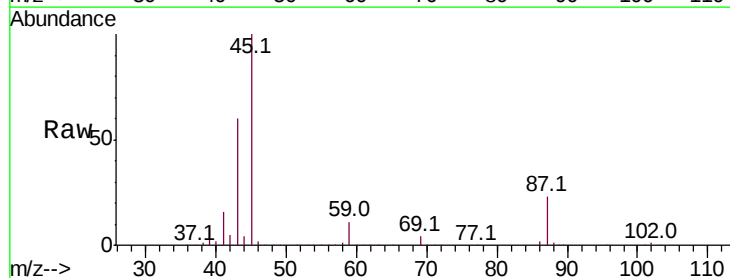
RT: 3.86 min Scan# 444

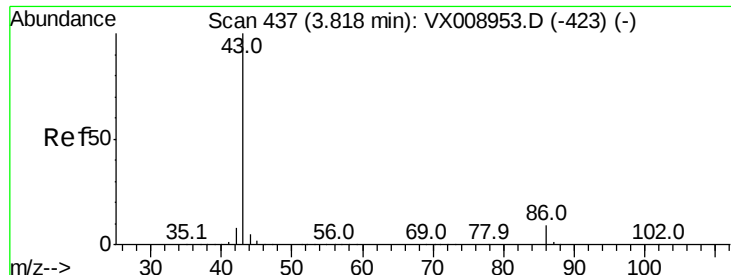
Delta R.T. 0.01 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Tgt Ion:	45	Resp:	420845
Ion	Ratio	Lower	Upper
45	100		
43	60.3	60.6	91.0#
87	22.9	17.8	26.8
59	10.5	8.7	13.1





#23

Vinyl Acetate

Concen: 225.431 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 43 Resp: 1633622

Ion Ratio Lower Upper

43 100

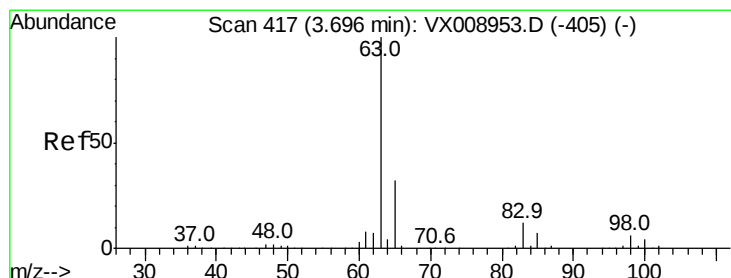
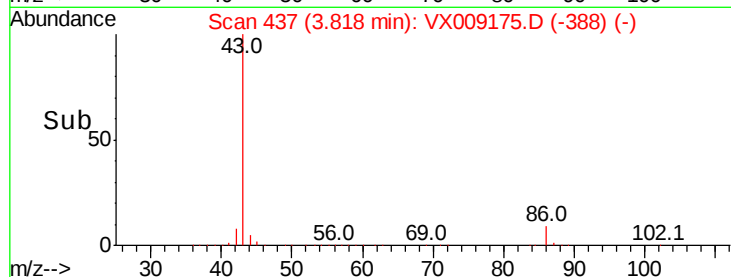
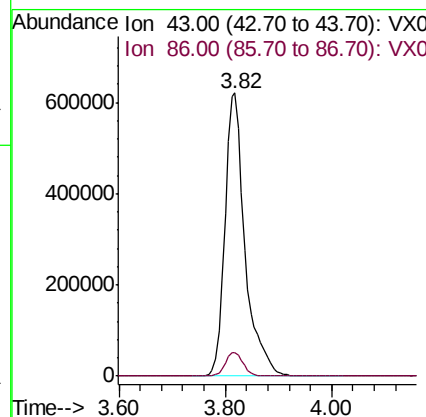
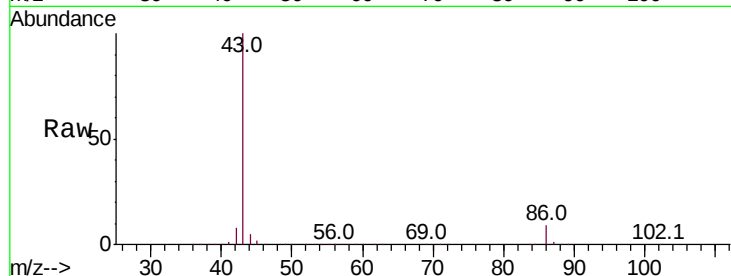
86 8.5 7.1 10.7

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#24

1,1-Dichloroethane

Concen: 50.019 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

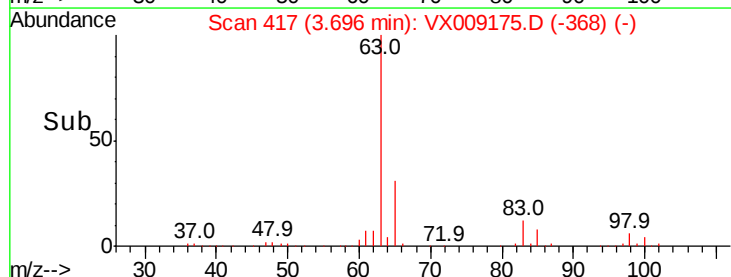
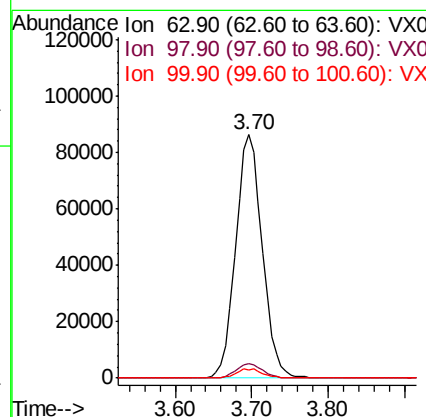
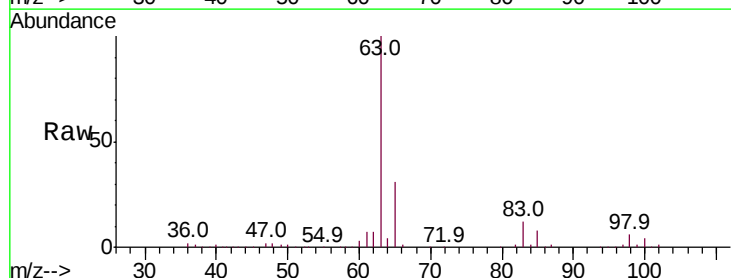
Tgt Ion: 63 Resp: 206993

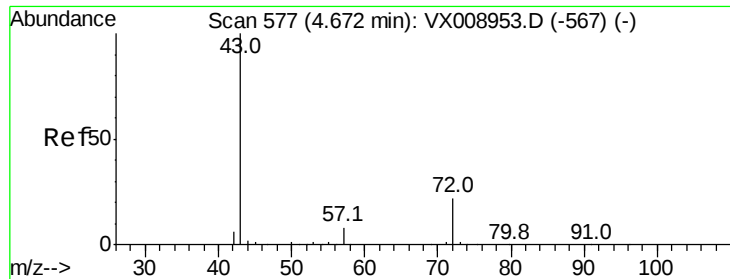
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 272.139 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 43 Resp: 576464

Ion Ratio Lower Upper

43 100

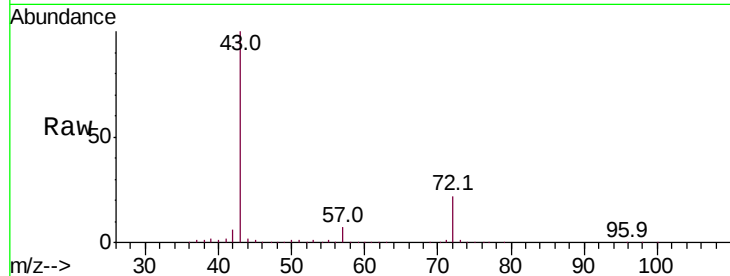
72 21.9 17.5 26.3

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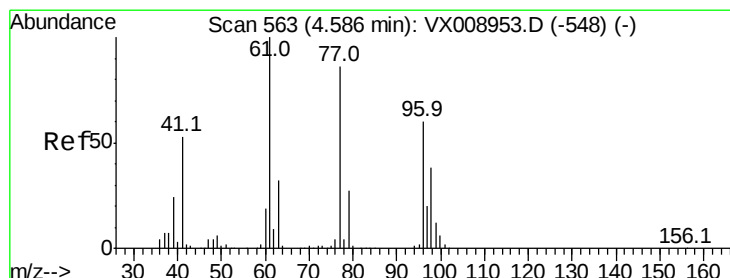
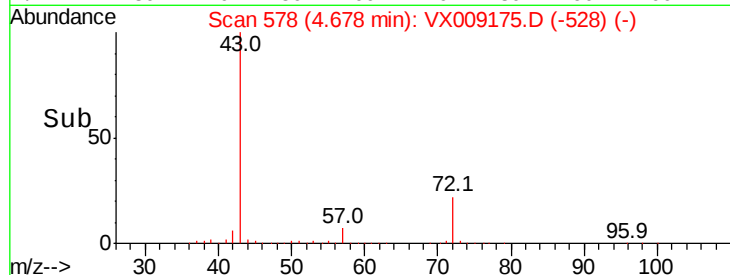
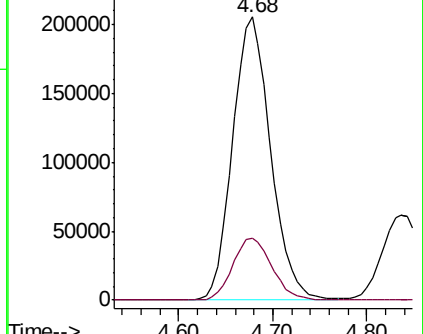
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 38.078 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009175.D

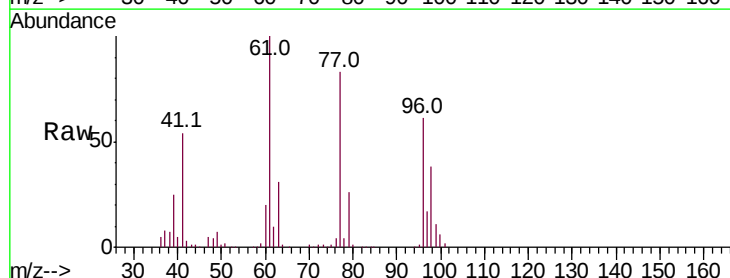
Acq: 25 Apr 2019 20:13

Tgt Ion: 77 Resp: 118119

Ion Ratio Lower Upper

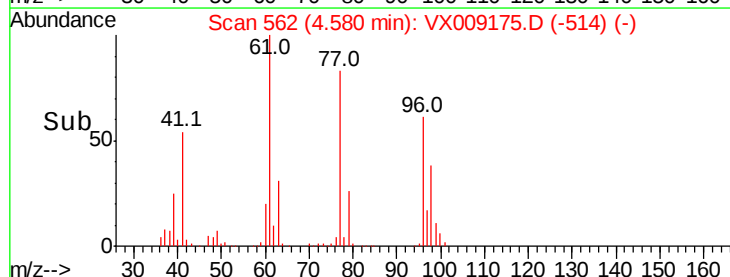
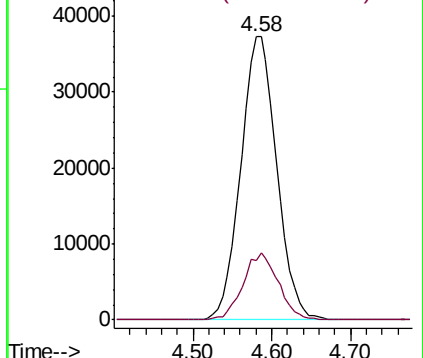
77 100

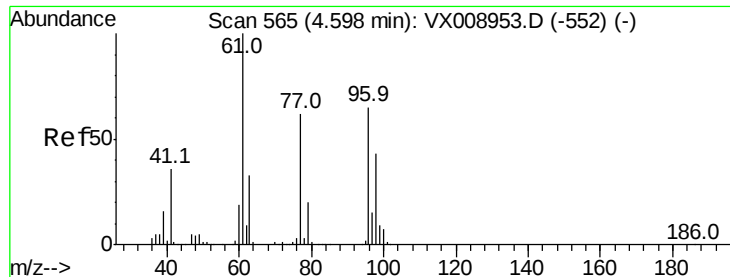
97 23.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

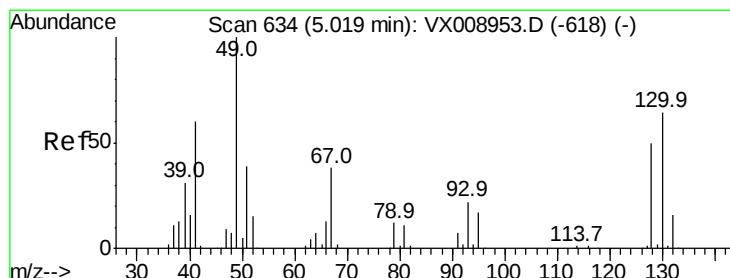
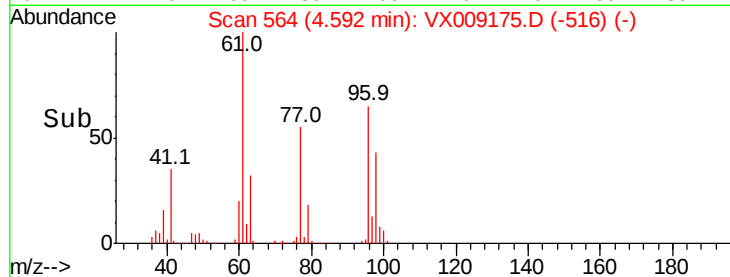
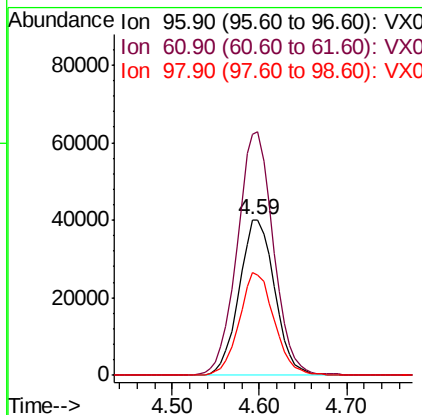
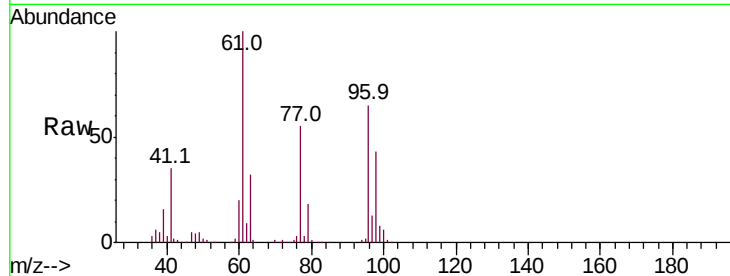
cis-1,2-Dichloroethene
Concen: 48.306 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.0	0.0	322.0	
98	64.8	0.0	128.4	

Manual Integrations
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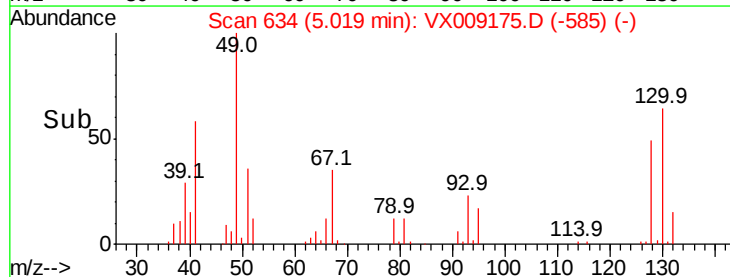
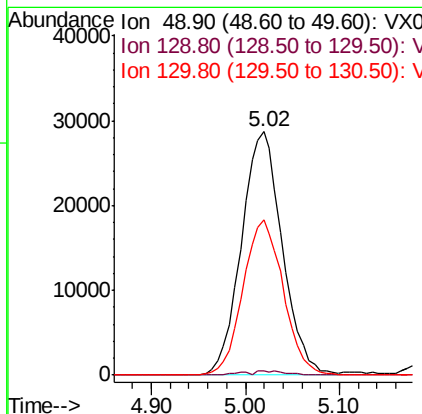
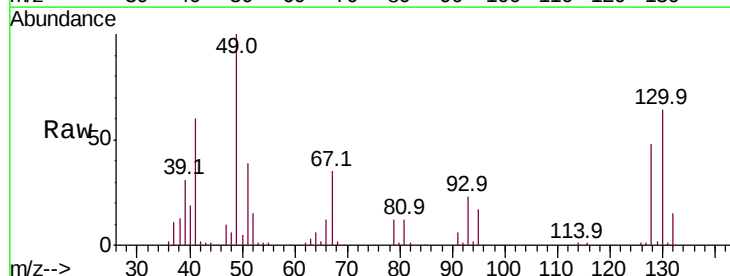
MMDadoda
4/26/2019 10:05:41 AM

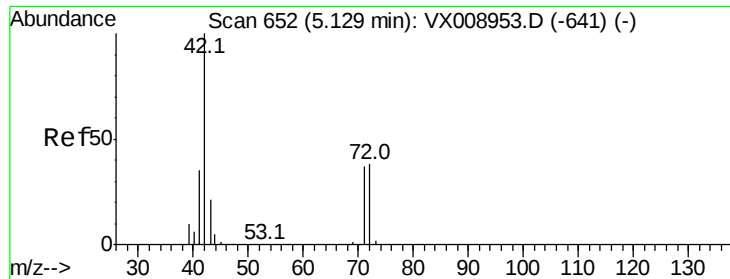


#28

Bromochloromethane
Concen: 50.732 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	3.6	
130	63.0	50.4	75.6	





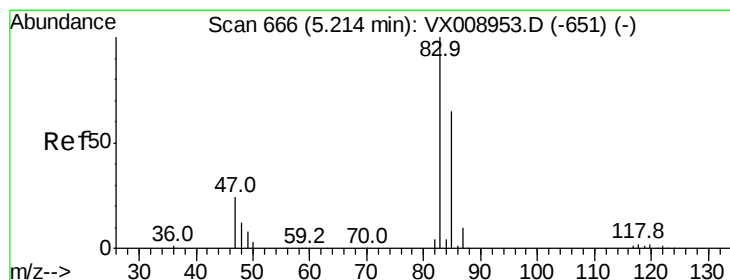
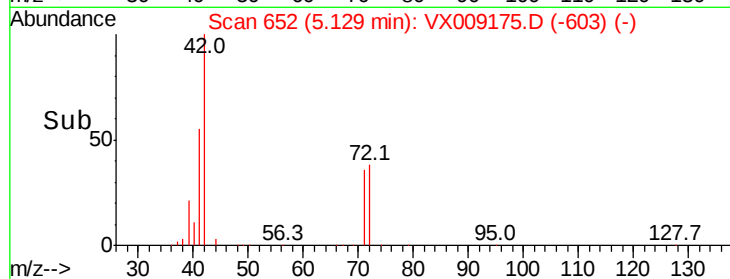
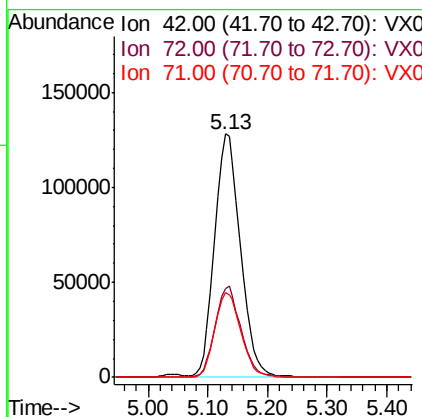
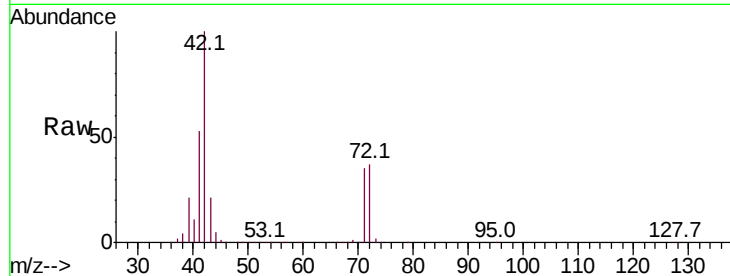
#29
Tetrahydrofuran
Concen: 272.413 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	37.5	30.6	45.8	
71	35.2	28.8	43.2	

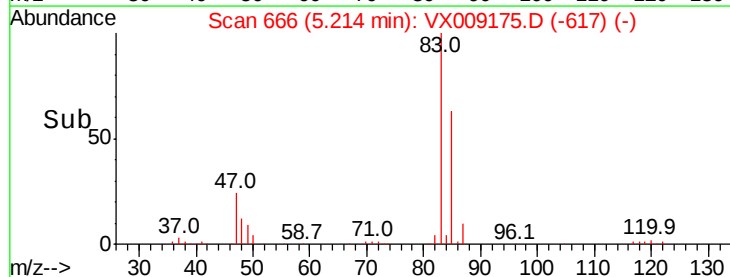
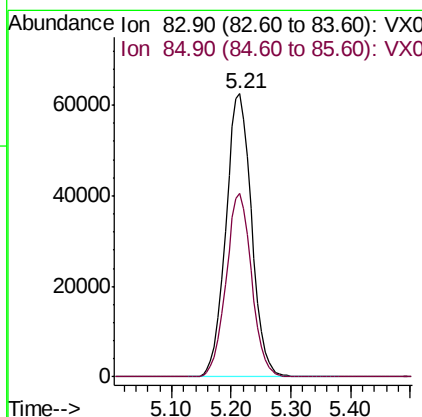
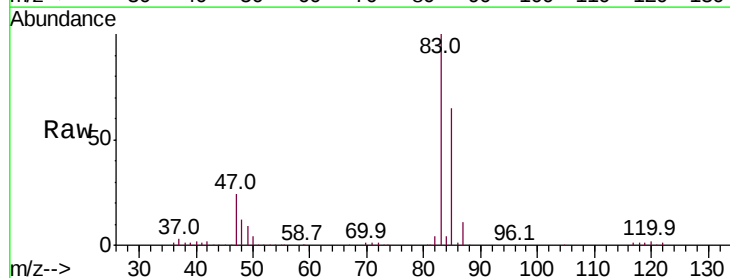
Manual Integrations
APPROVED

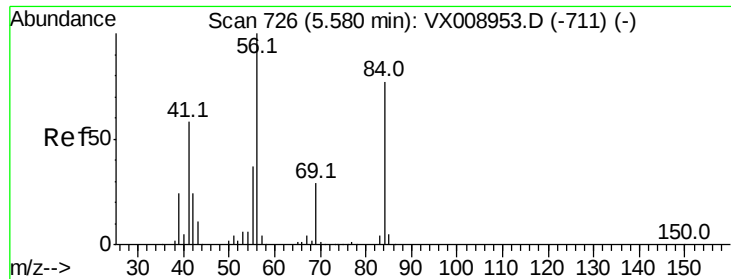
MMDadoda
4/26/2019 10:05:41 AM



#30
Chloroform
Concen: 50.656 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.0	51.9	77.9	





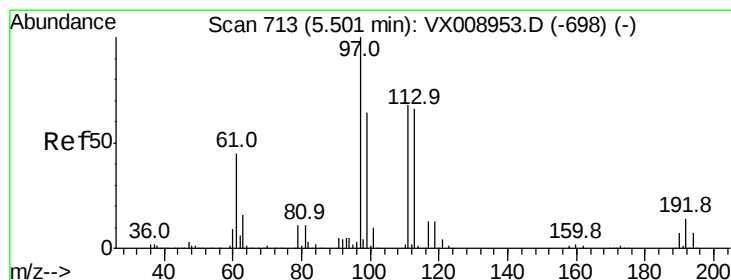
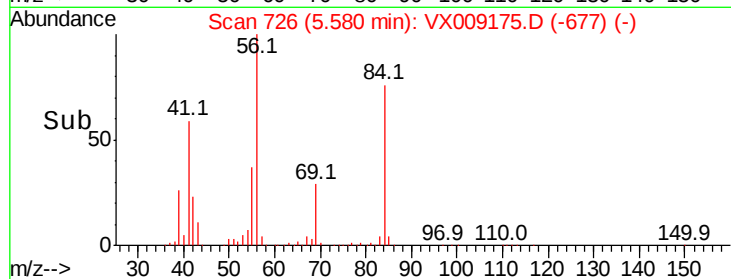
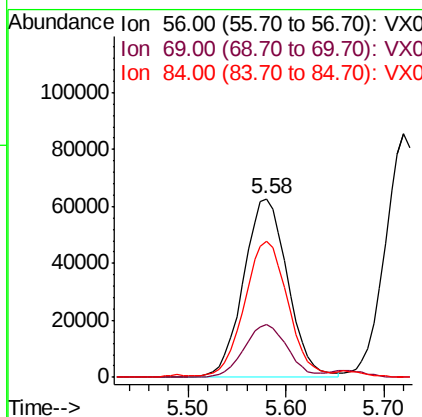
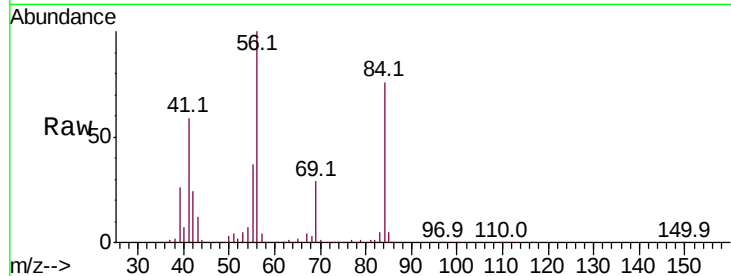
#31
Cyclohexane
Concen: 48.393 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampled :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.3	34.9
84	75.2	61.7	92.5

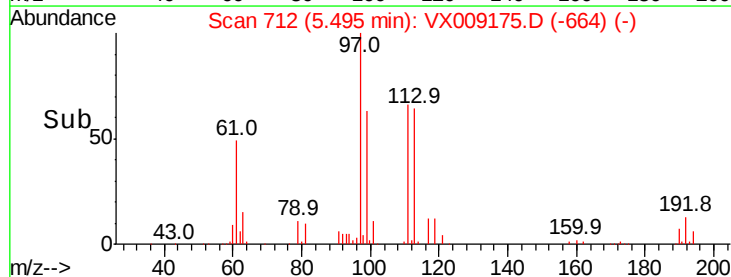
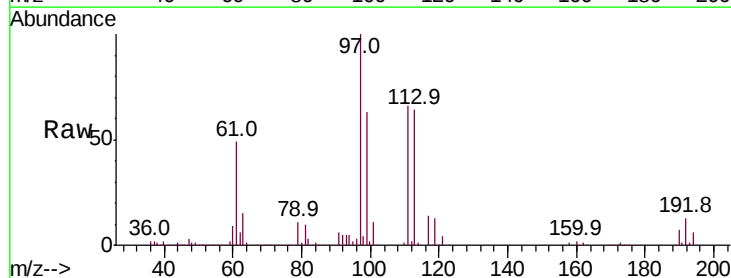
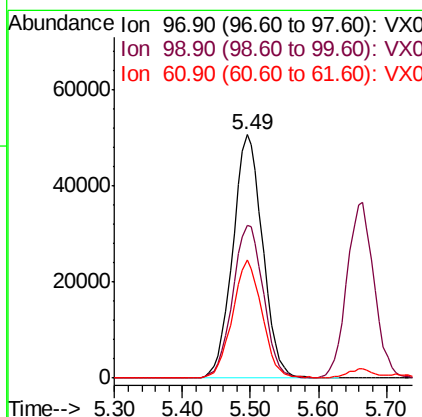
Manual Integrations
APPROVED

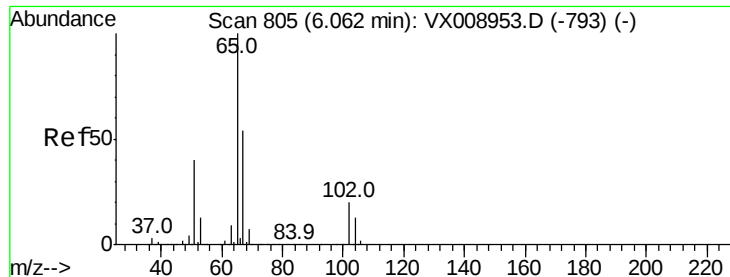
MMDadoda
4/26/2019 10:05:41 AM



#32
1,1,1-Trichloroethane
Concen: 50.209 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	47.9	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 50.749 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 65 Resp: 129689

Ion Ratio Lower Upper

65 100

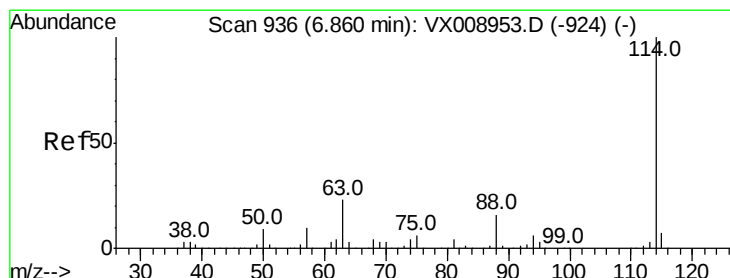
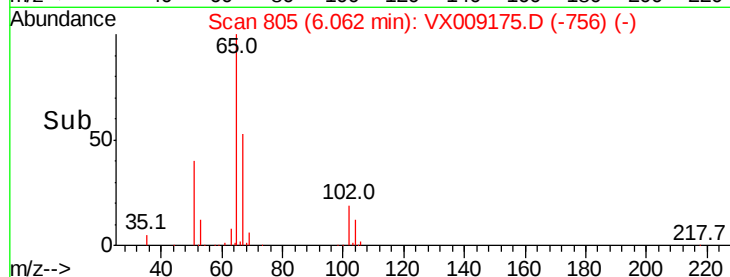
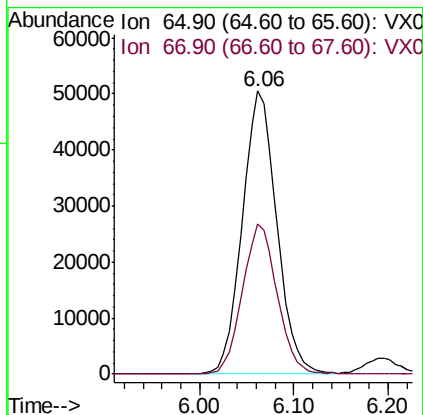
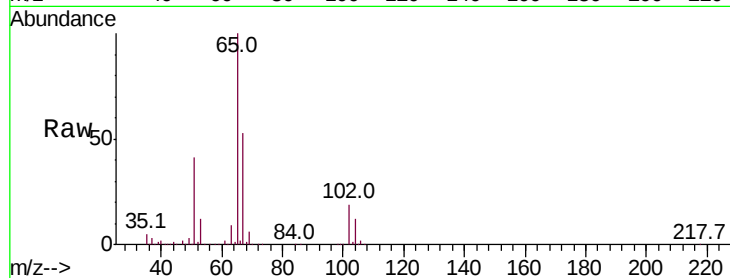
67 53.4 0.0 108.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

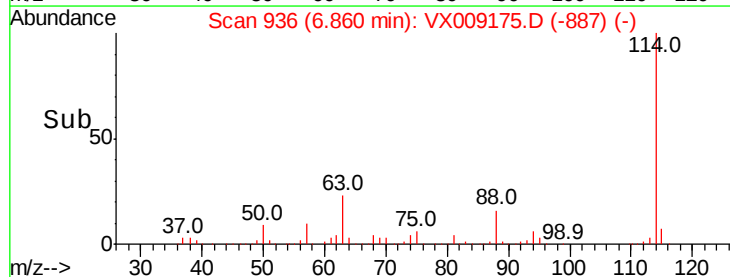
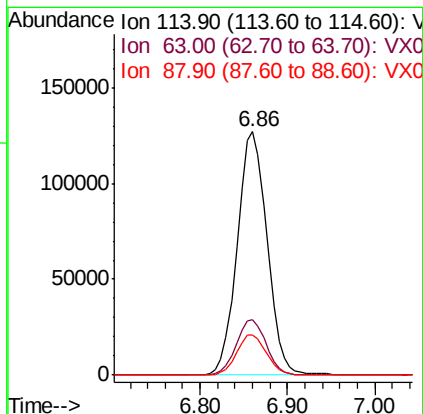
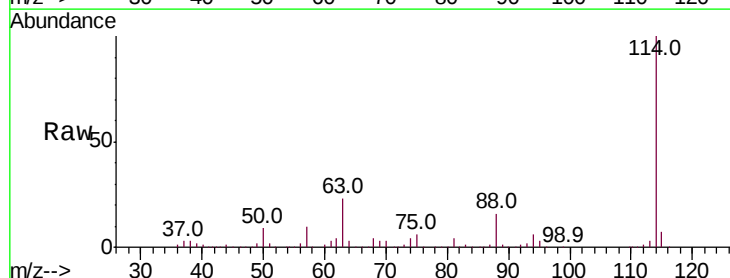
Tgt Ion: 114 Resp: 301575

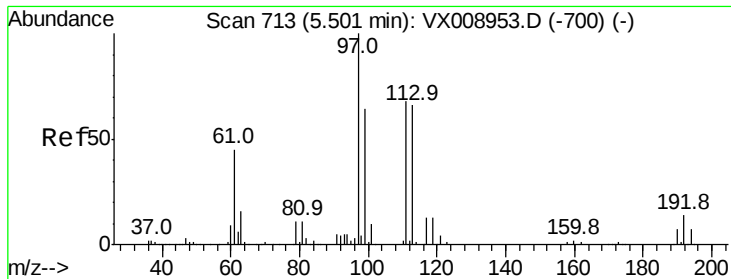
Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.0

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.540 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

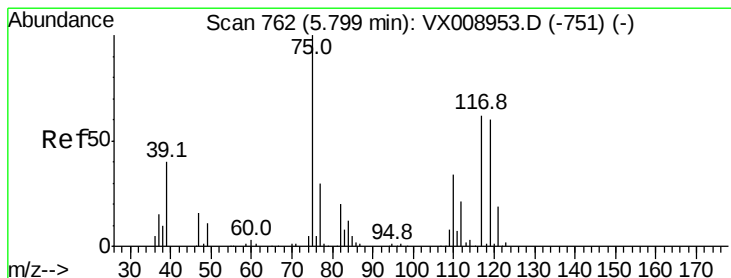
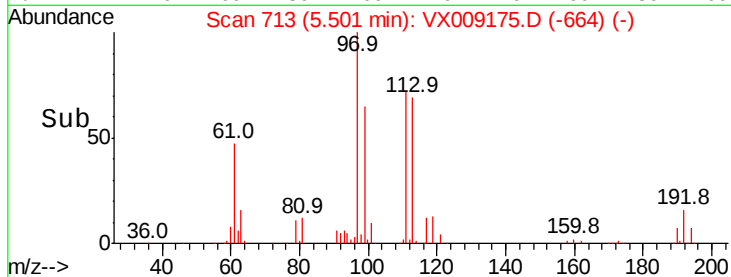
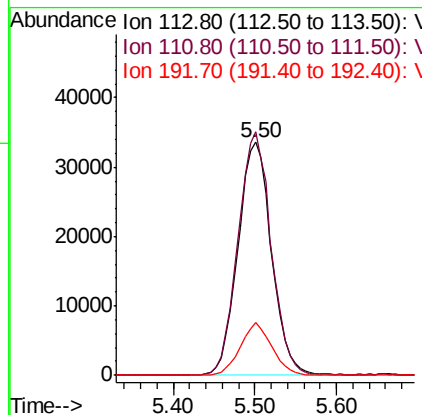
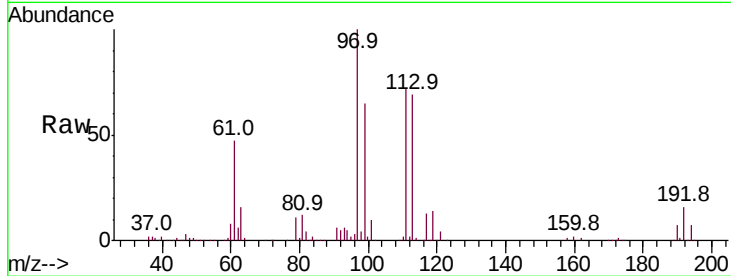
ClientSampleId :

HW-7MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	21.2	17.4	26.0

Manual Integrations
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4/26/2019 10:05:41 AM



#36

1,1-Dichloropropene

Concen: 45.870 ug/l

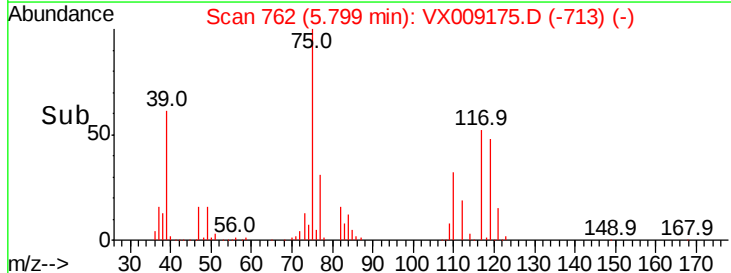
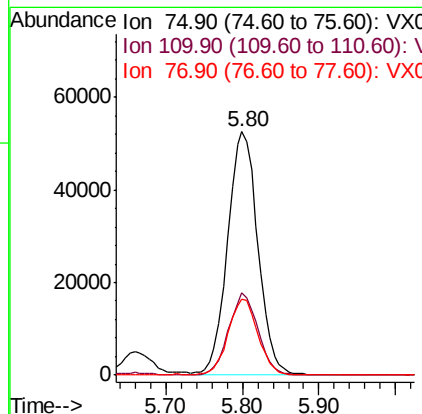
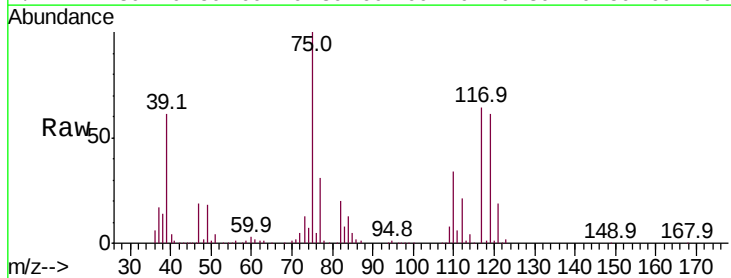
RT: 5.80 min Scan# 762

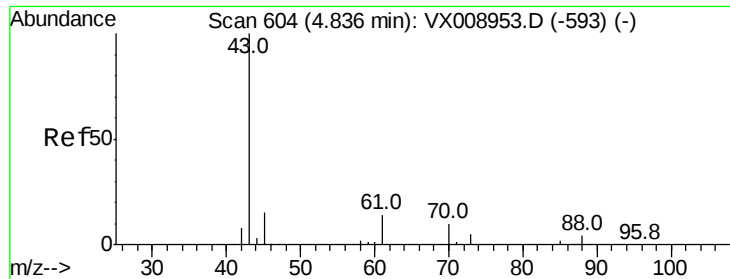
Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	31.2	25.0	37.4





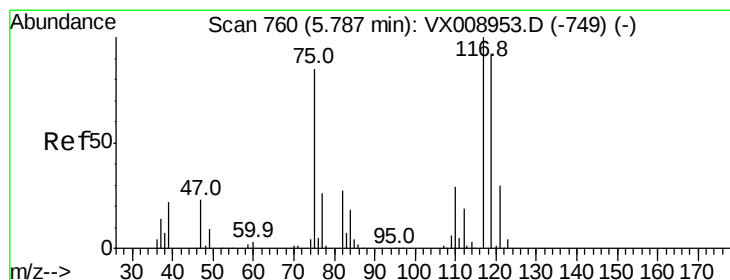
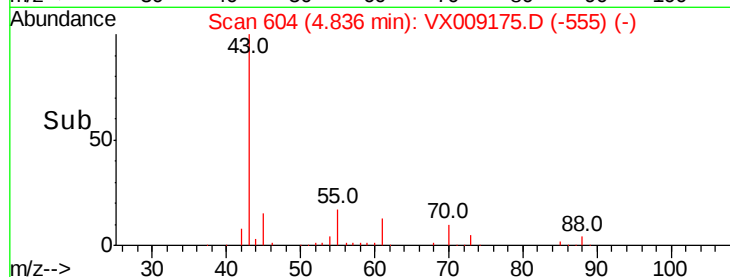
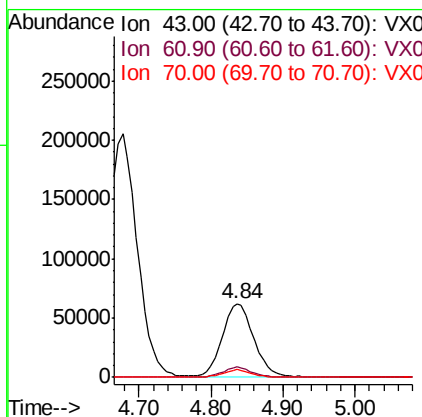
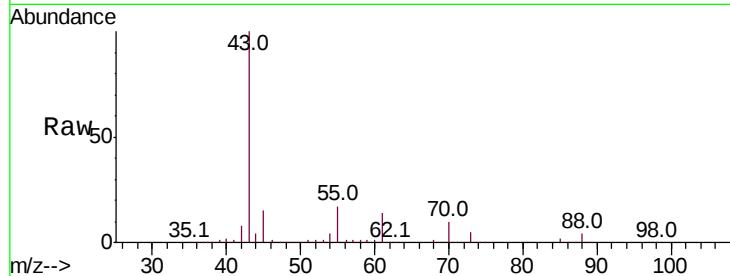
#37
Ethyl Acetate
Concen: 46.605 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampled :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.6	15.8
70	9.4	7.7	11.5

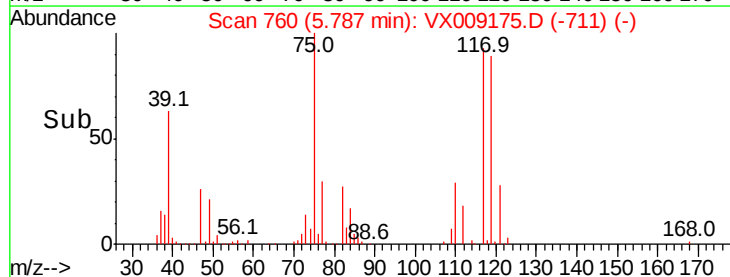
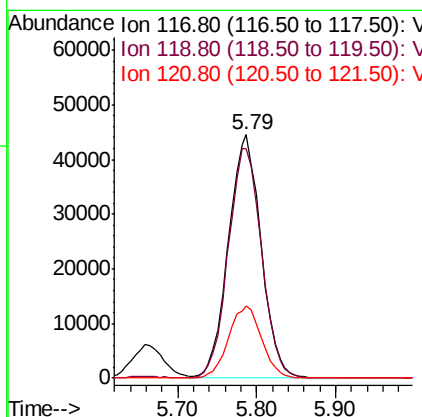
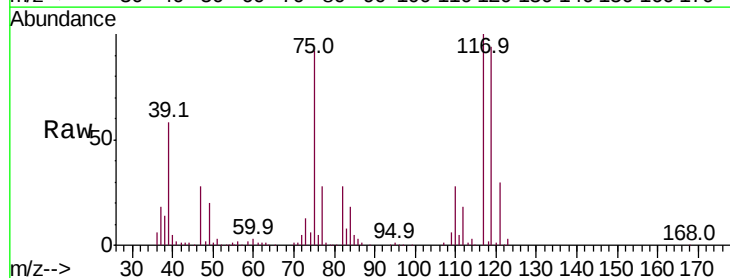
Manual Integrations
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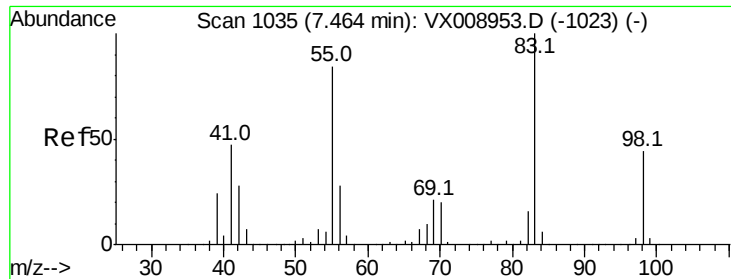
MMdadoda
4/26/2019 10:05:41 AM



#38
Carbon Tetrachloride
Concen: 48.522 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.8	110.8
121	29.7	23.6	35.4





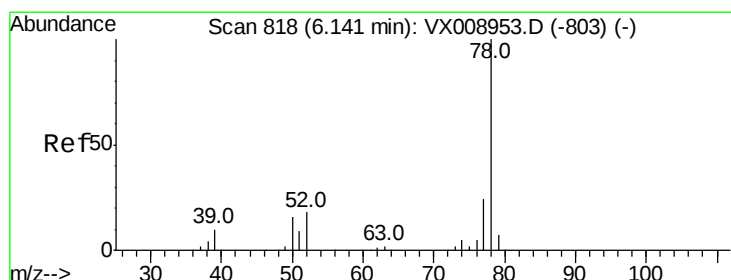
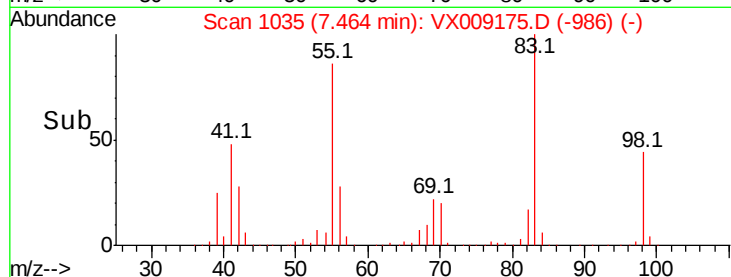
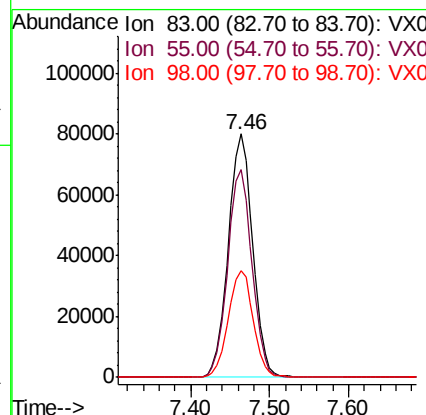
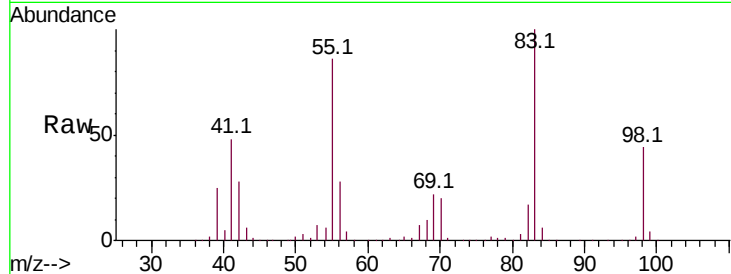
#39
Methvlcvclohexane
Concen: 45.348 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	67.1	100.7
98	43.9	35.1	52.7

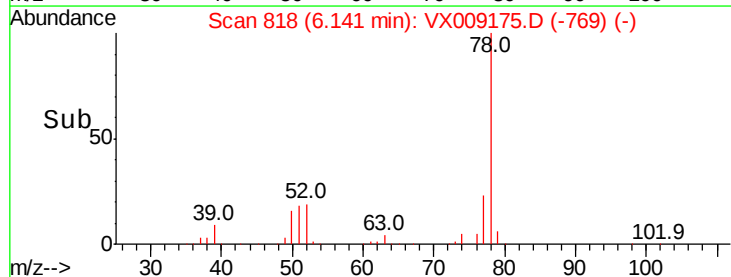
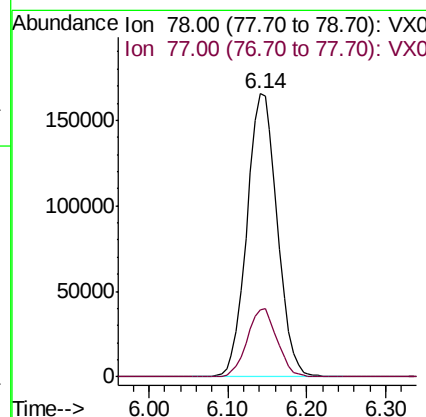
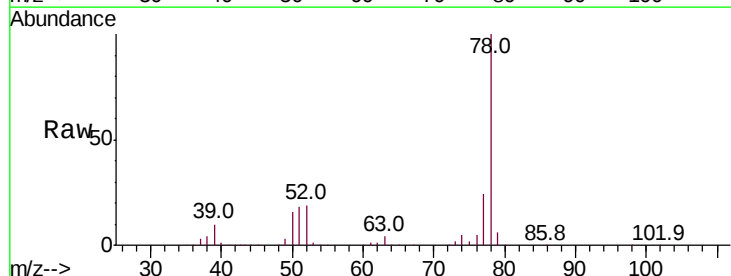
Manual Integrations
APPROVED

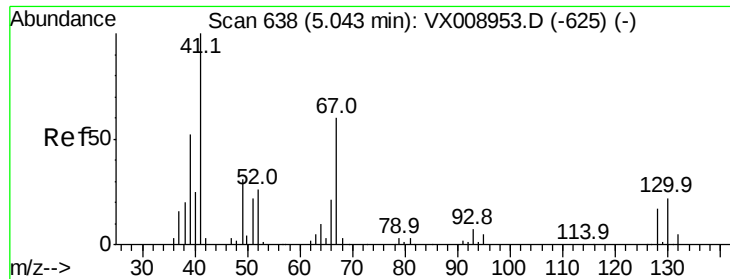
MMDadoda
4/26/2019 10:05:41 AM



#40
Benzene
Concen: 48.036 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





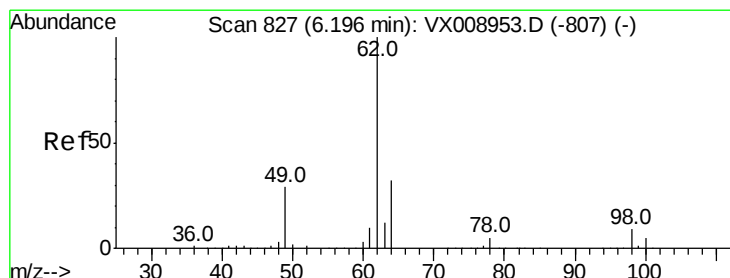
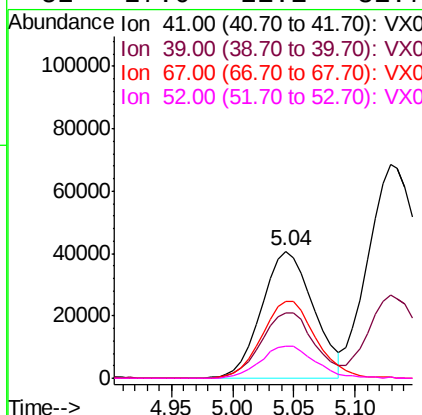
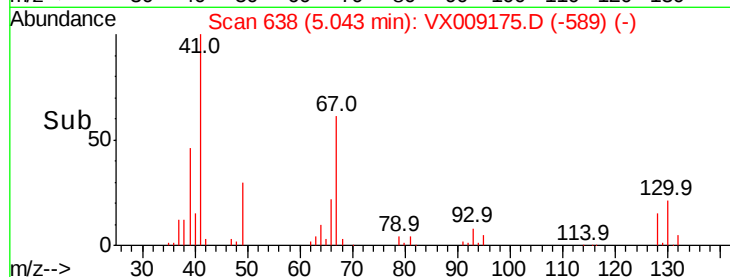
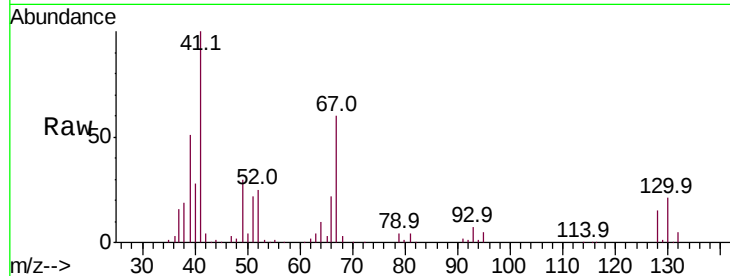
#41
Methacrylonitrile
Concen: 52.072 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	41.8	62.6	
67	63.3	50.2	75.4	
52	27.0	21.1	31.7	

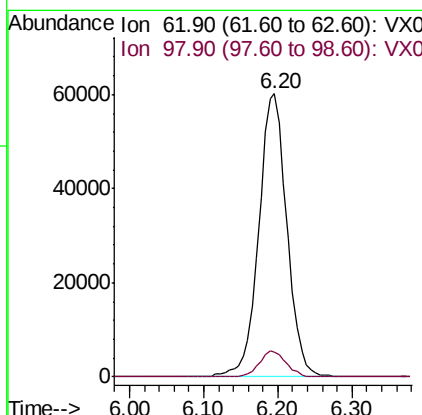
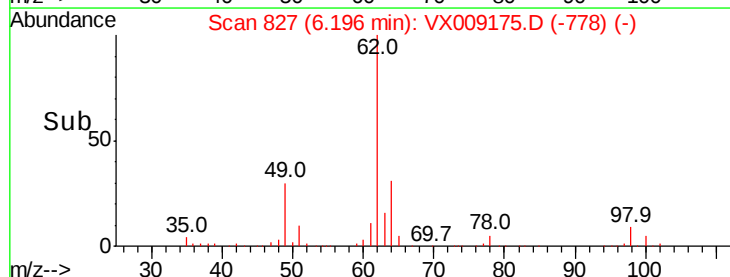
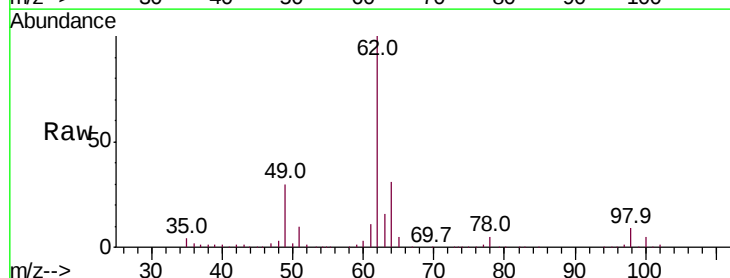
Manual Integrations
APPROVED

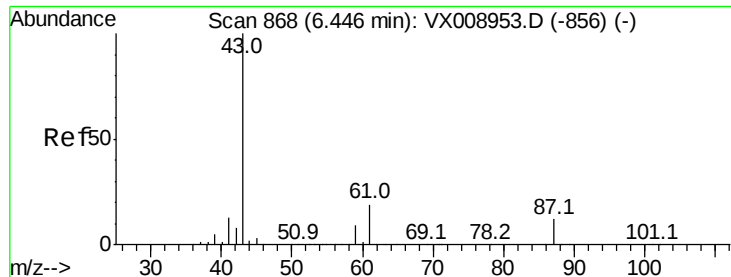
MMDadoda
4/26/2019 10:05:41 AM



#42
1,2-Dichloroethane
Concen: 48.921 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.4	





#43

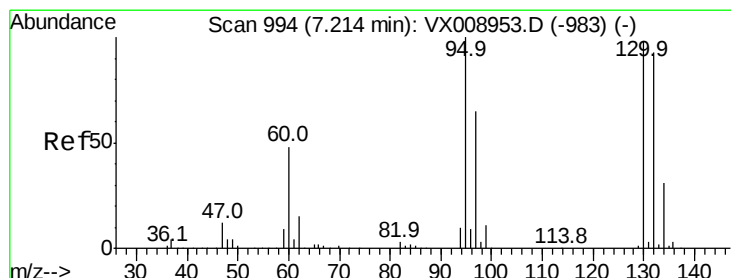
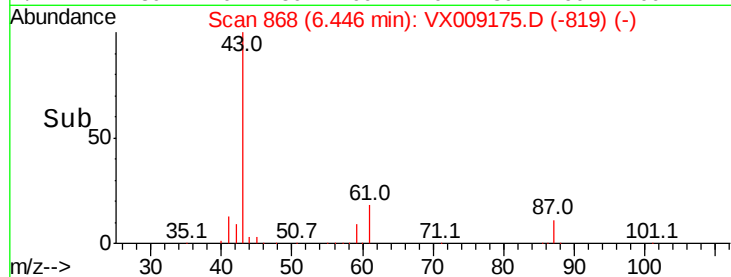
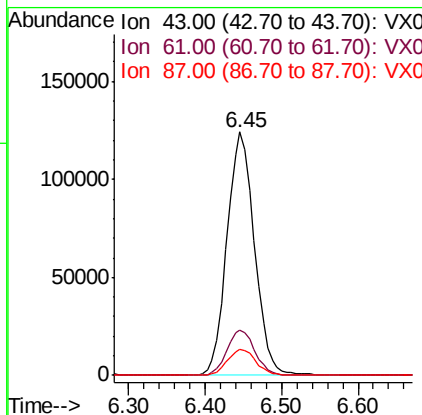
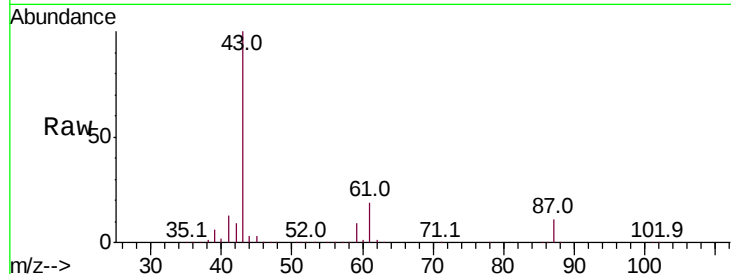
Isopropyl Acetate
 Concen: 47.470 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
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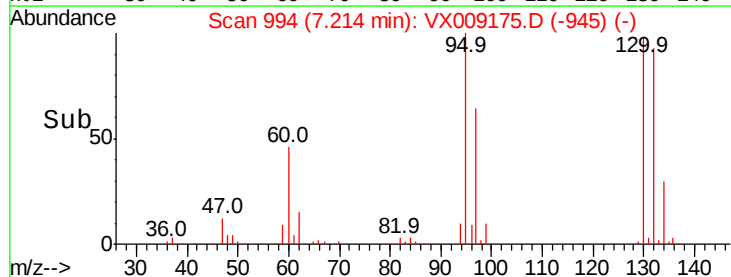
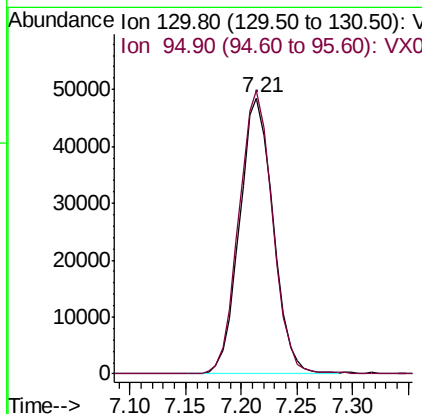
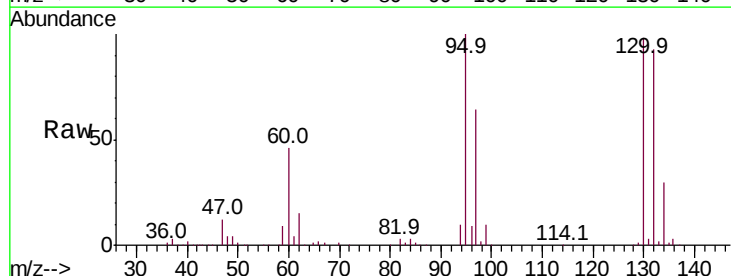
MMDadoda
 4/26/2019 10:05:41 AM

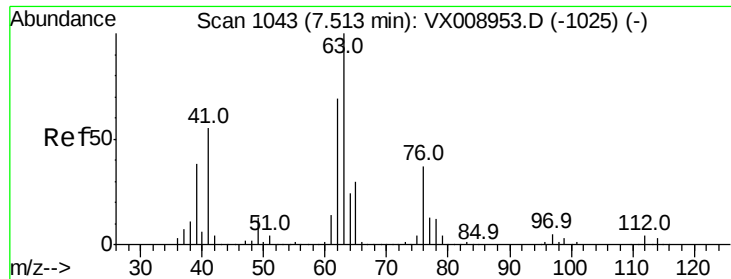


#44

Trichloroethene
 Concen: 45.306 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	203.2





#45

1,2-Dichloropropane

Concen: 49.521 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 63 Resp: 126407

Ion Ratio Lower Upper

63 100

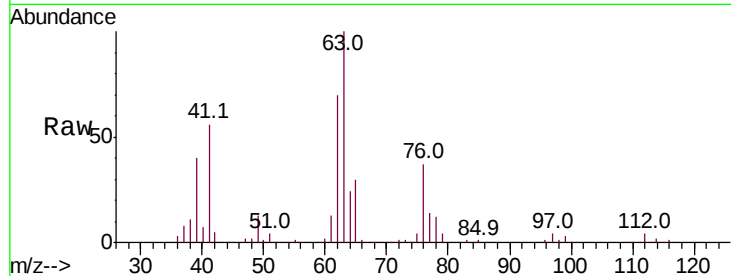
65 29.9 24.1 36.1

Manual Integrations

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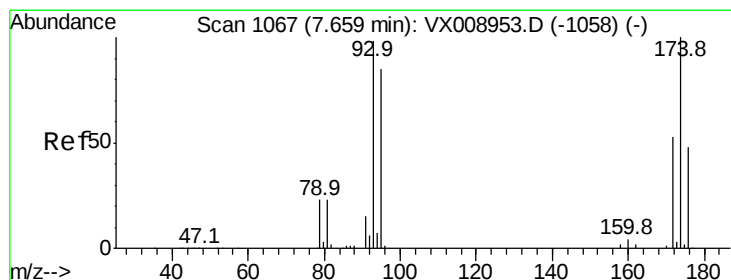
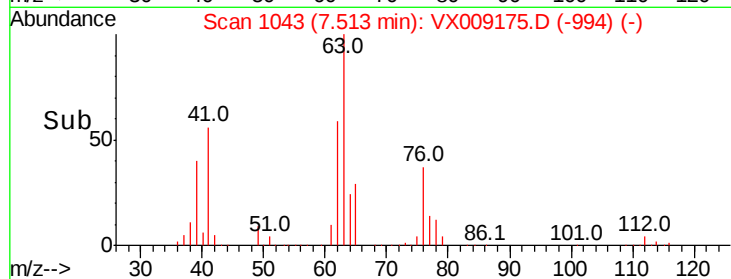
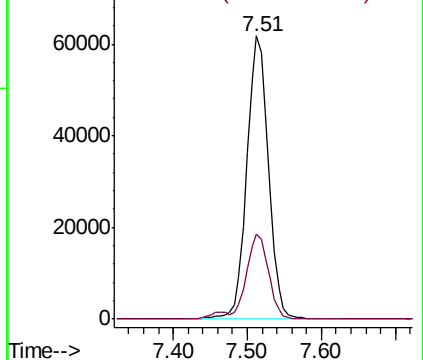
MMdadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.253 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

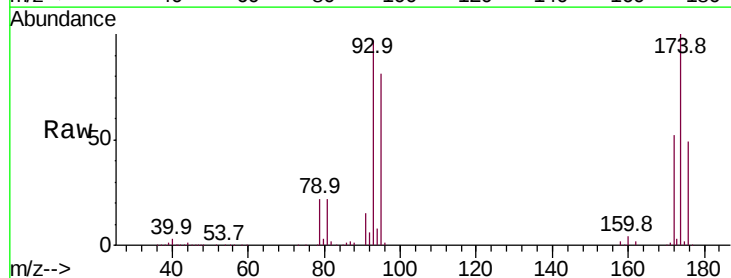
Tgt Ion: 93 Resp: 71683

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

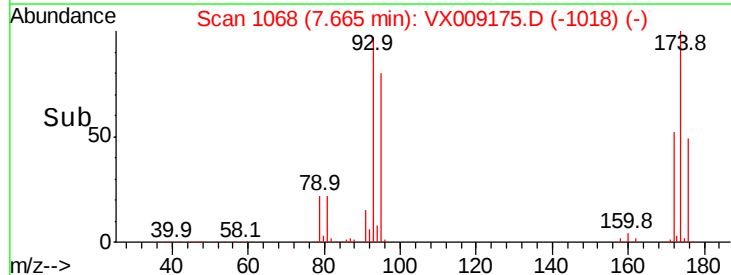
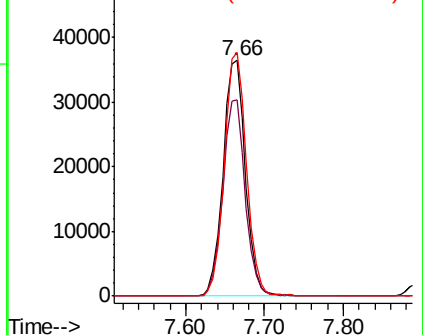
174 102.3 81.6 122.4

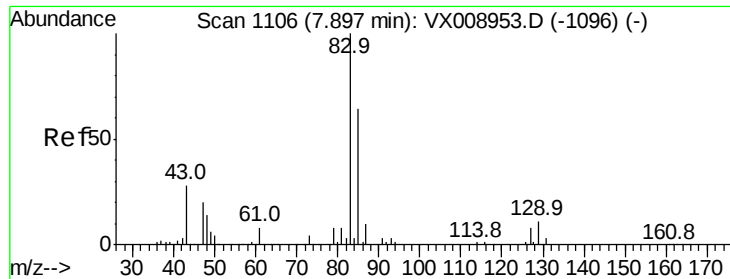


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.377 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

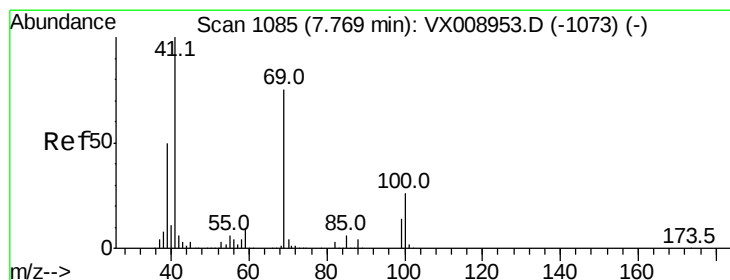
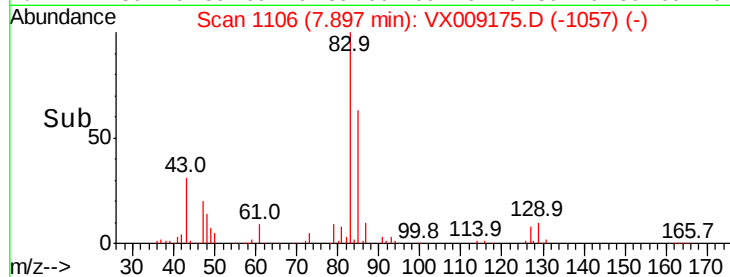
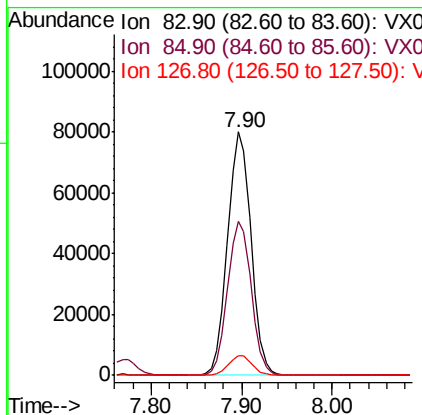
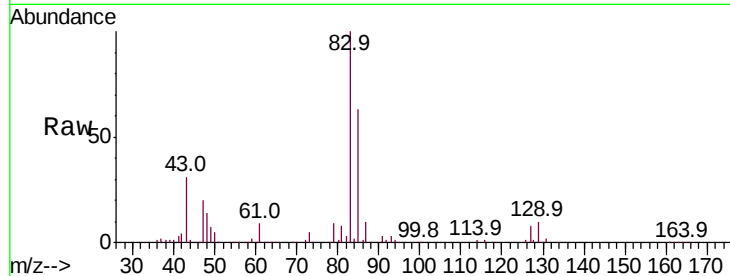
ClientSampled :

HW-7MSD

Tot Ion:	83	Resp:	143871
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.8	76.2
127	8.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.606 ug/l

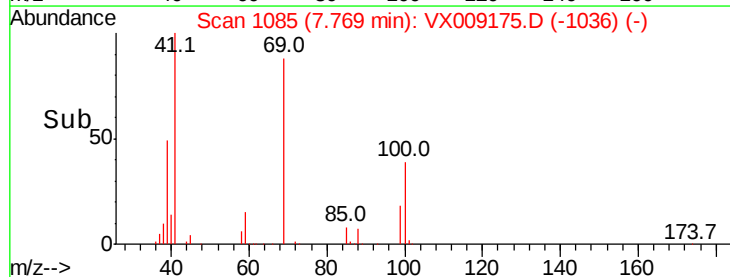
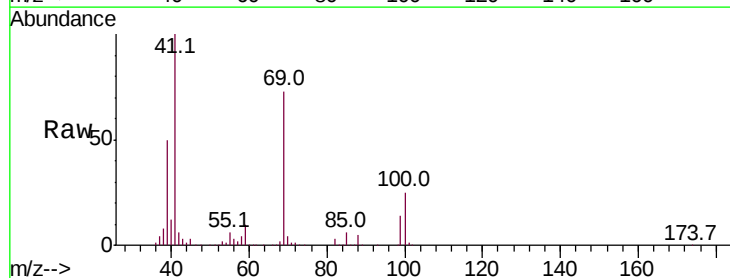
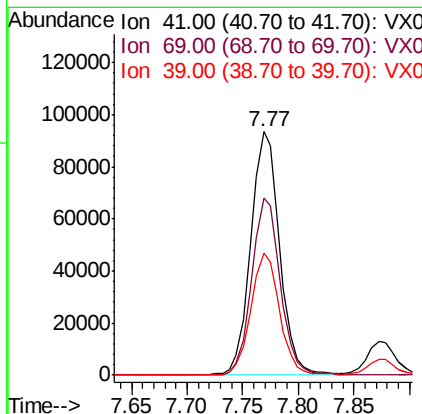
RT: 7.77 min Scan# 1085

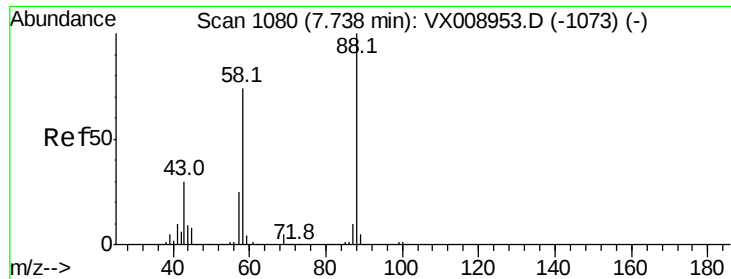
Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Tgt Ion:	41	Resp:	168111
Ion	Ratio	Lower	Upper
41	100		
69	72.8	59.4	89.2
39	49.9	39.8	59.6





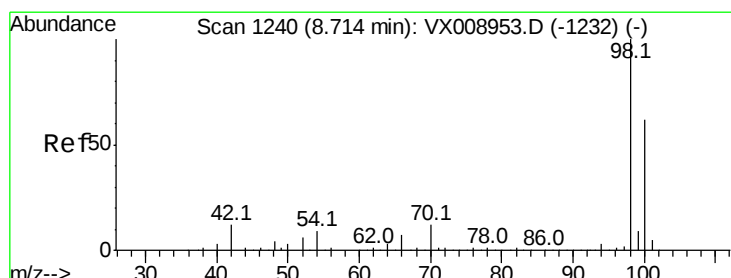
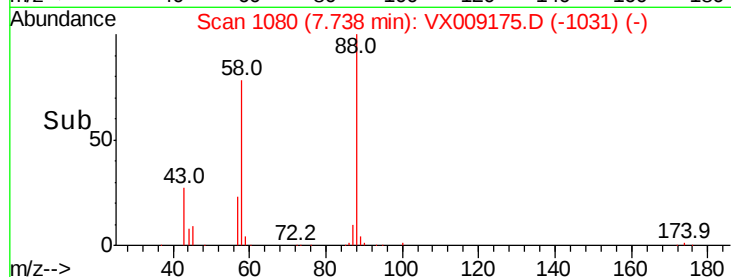
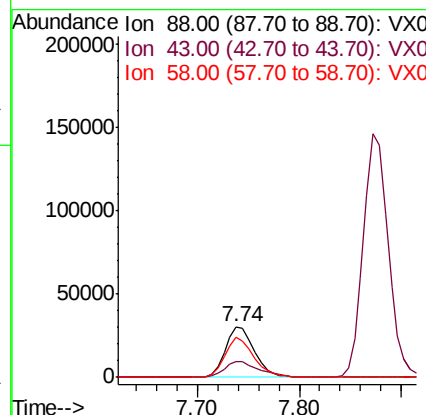
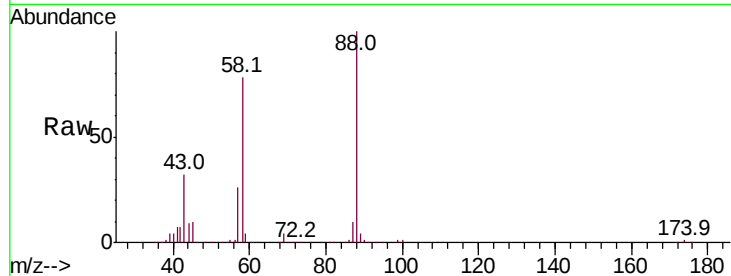
#49
1,4-Dioxane
Concen: 1008.456 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.3	43.9
58	78.8	62.6	93.8

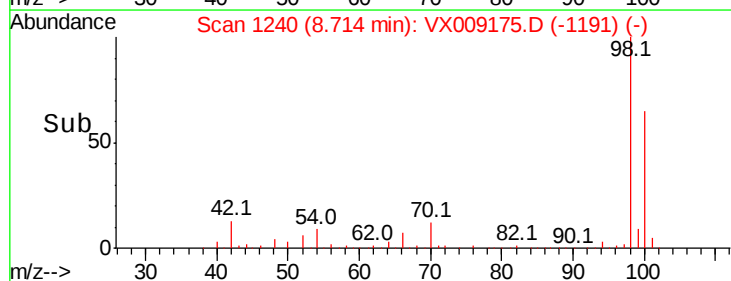
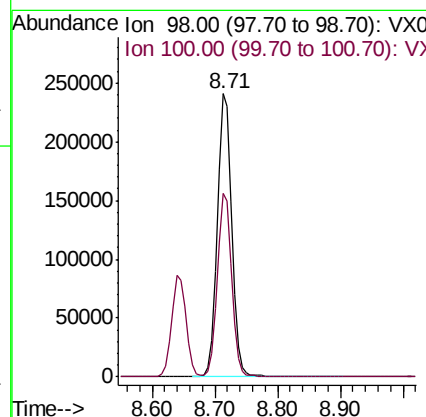
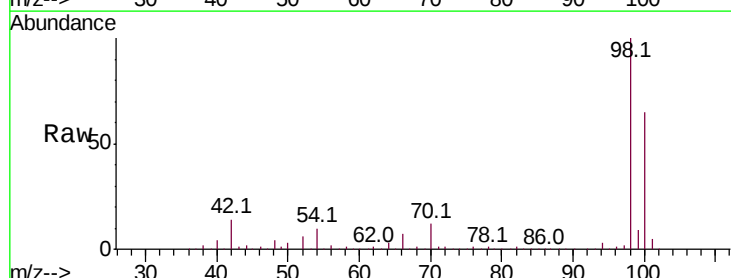
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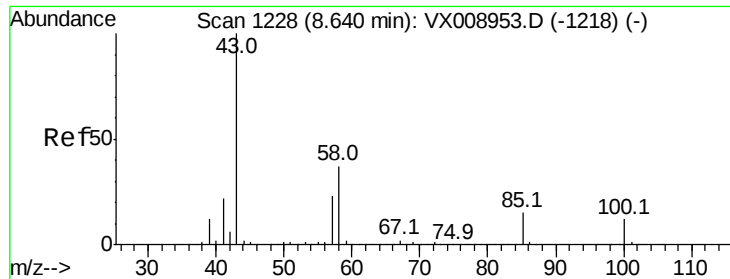
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#50
Toluene-d8
Concen: 49.530 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 273.523 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 43 Resp: 1127000

Ion Ratio Lower Upper

43 100

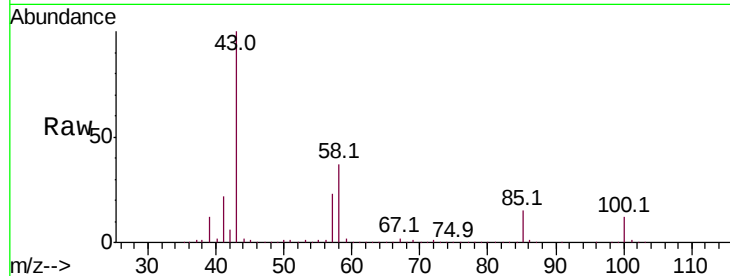
58 36.5 29.8 44.6

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Abundance Ion 43.00 (42.70 to 43.70): VX008953.D (-1218) (-)

Ion 58.00 (57.70 to 58.70): VX008953.D (-1218) (-)

8.64

600000

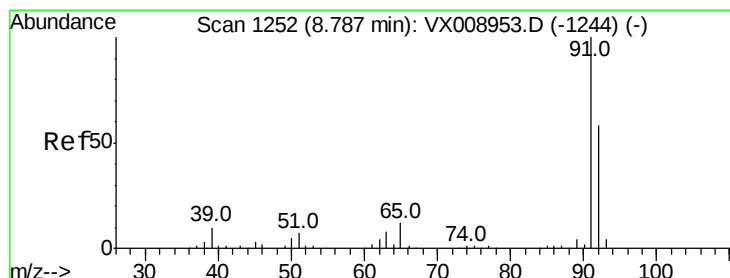
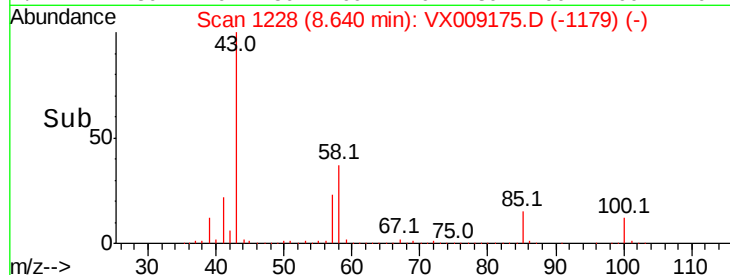
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 48.623 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009175.D

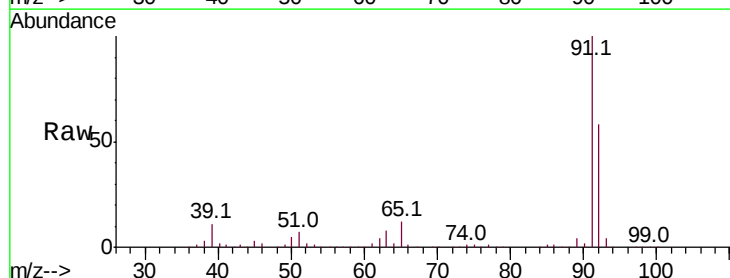
Acq: 25 Apr 2019 20:13

Tgt Ion: 92 Resp: 268128

Ion Ratio Lower Upper

92 100

91 173.4 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX008953.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX008953.D (-1244) (-)

8.79

300000

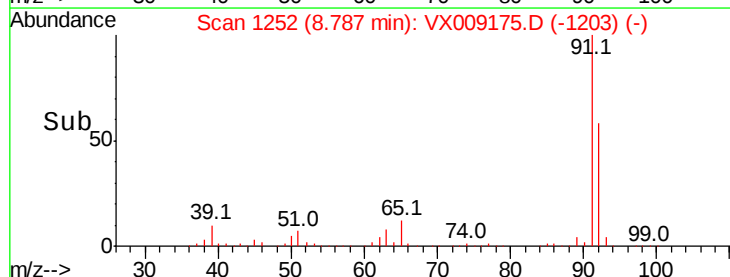
200000

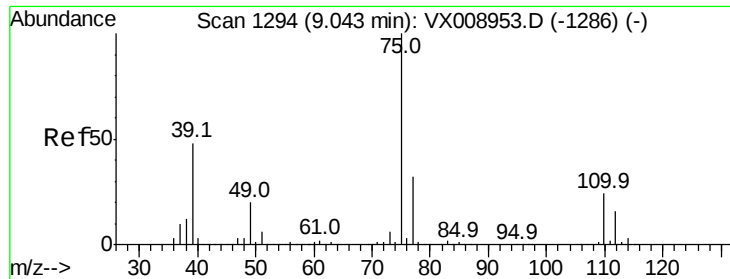
100000

0

8.70 8.80 8.90

Time-->





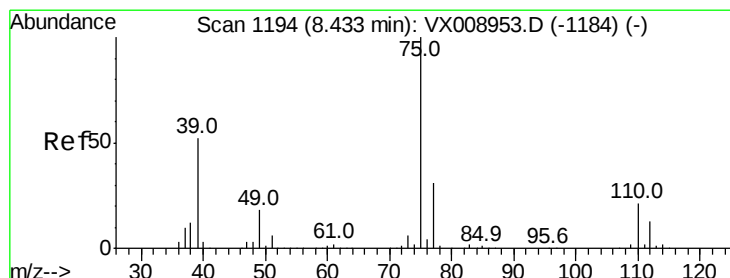
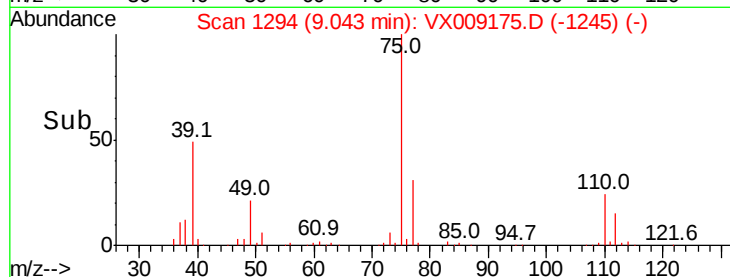
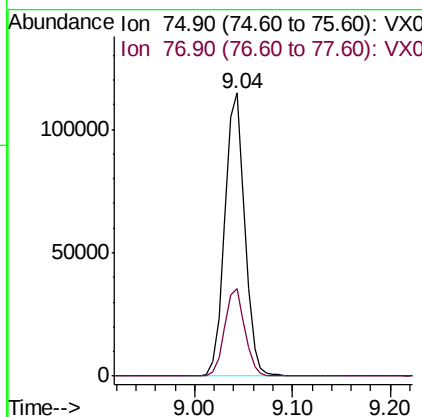
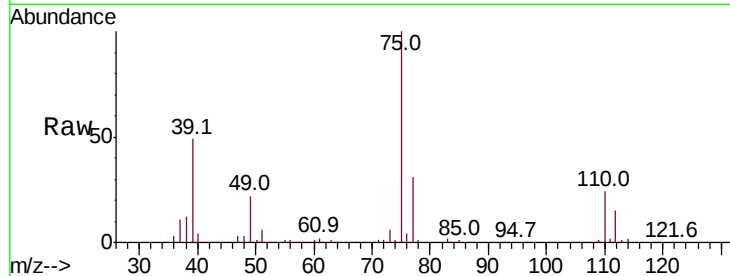
#53
t-1,3-Dichloropropene
Concen: 48.576 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampled :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

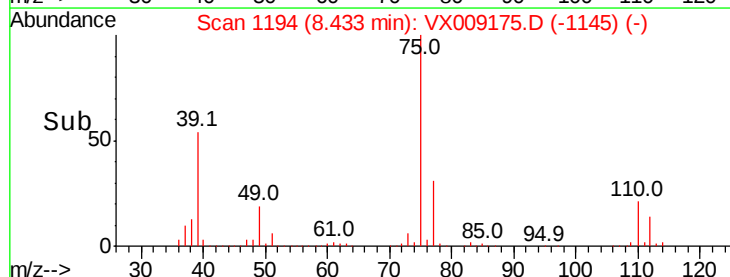
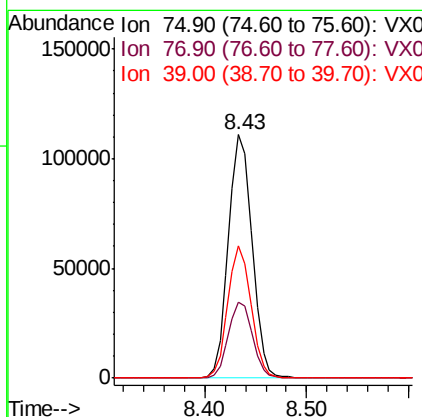
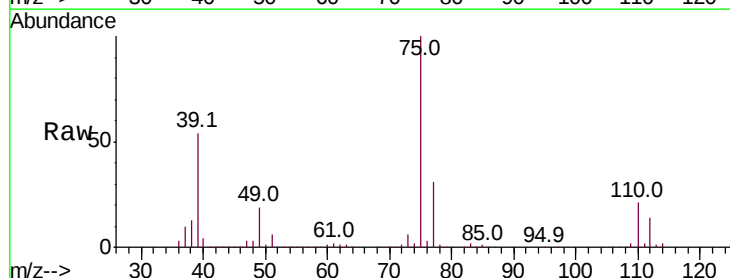
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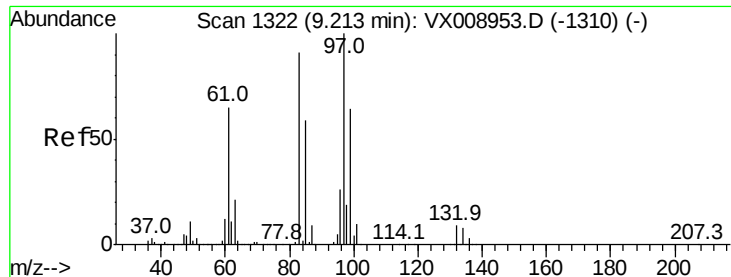
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.573 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	54.0	41.8	62.6





#55

1,1,2-Trichloroethane

Concen: 49.843 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

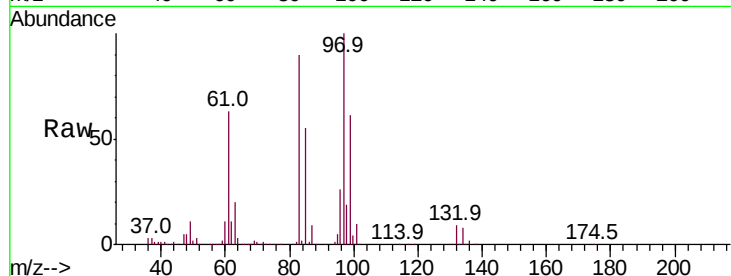
ClientSampleId :

HW-7MSD

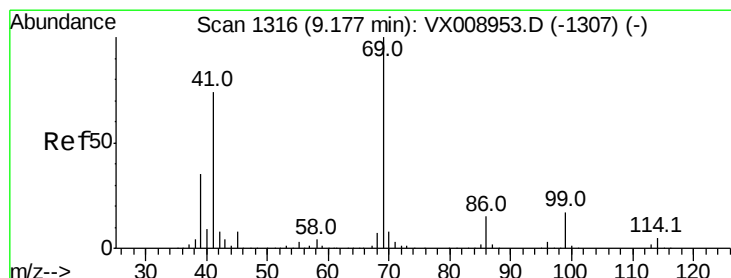
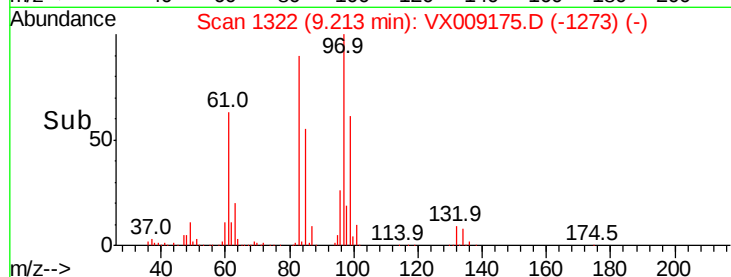
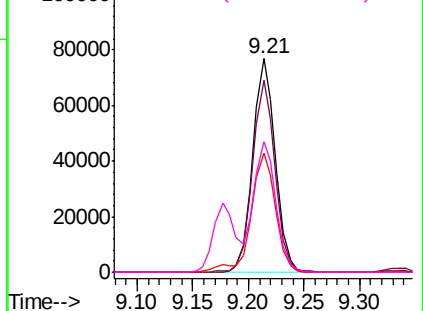
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108932		
83	89.8	72.6	108.8		
85	55.4	46.9	70.3		
99	61.3	51.0	76.6		

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Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.963 ug/l

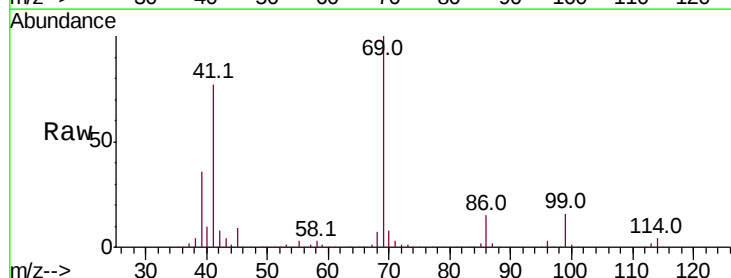
RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

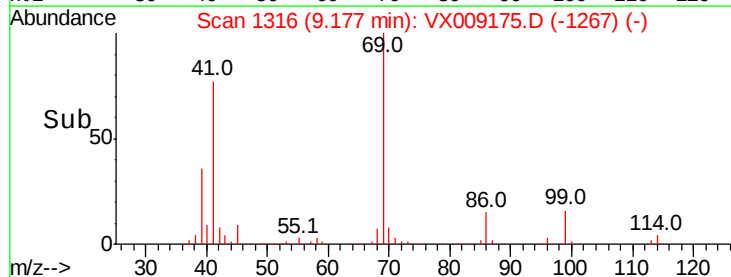
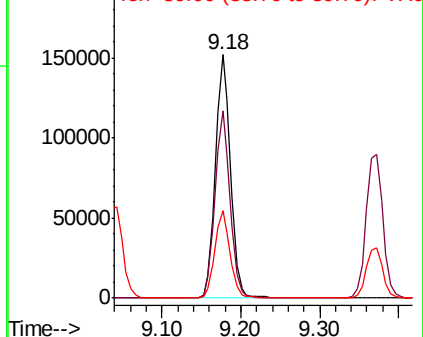
Lab File: VX009175.D

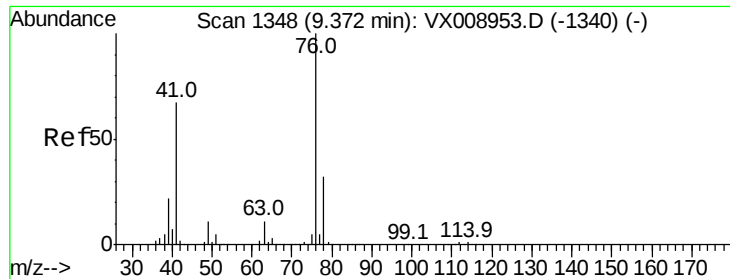
Acq: 25 Apr 2019 20:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		203631		
41	76.1	60.2	90.2		
39	35.7	27.9	41.9		



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.495 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 76 Resp: 192597

Ion Ratio Lower Upper

76 100

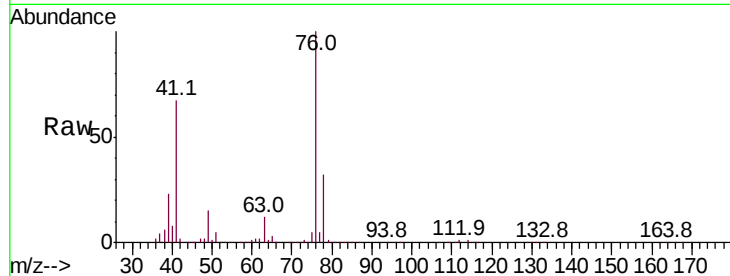
78 31.7 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

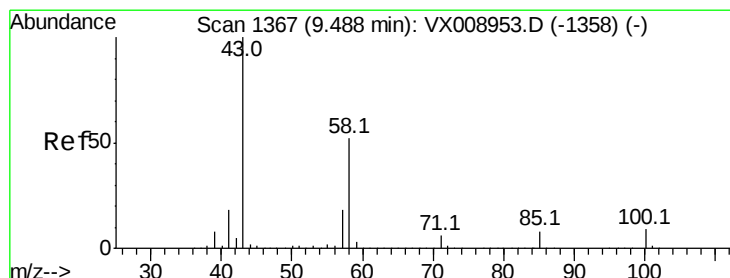
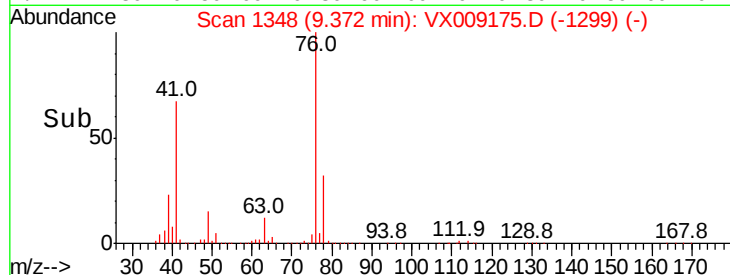
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 281.348 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009175.D

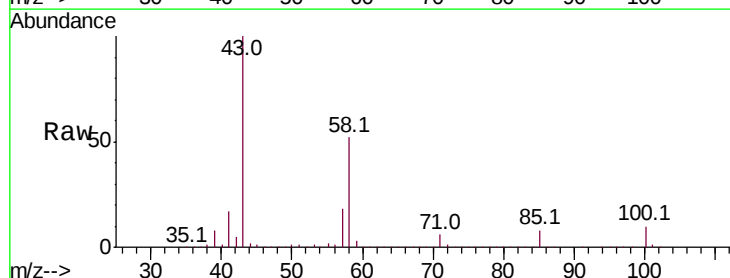
Acq: 25 Apr 2019 20:13

Tgt Ion: 43 Resp: 893752

Ion Ratio Lower Upper

43 100

58 51.2 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

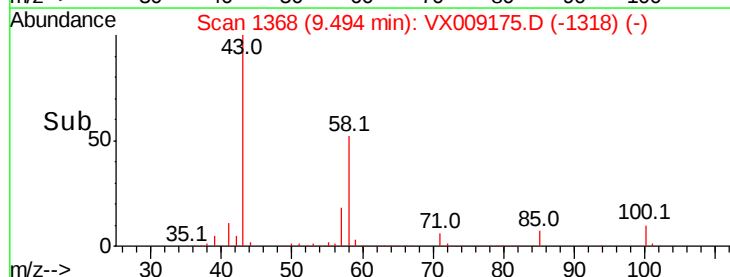
600000

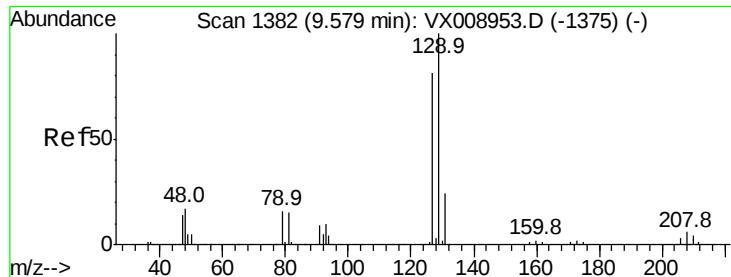
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 51.178 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion:129 Resp: 107198

Ion Ratio Lower Upper

129 100

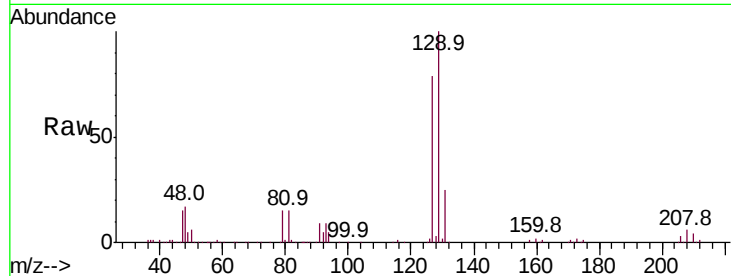
127 77.9 39.1 117.2

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

80000

60000

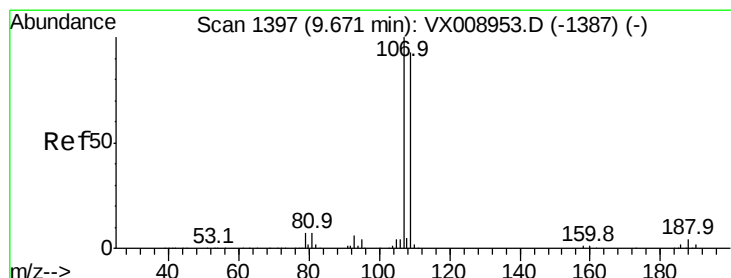
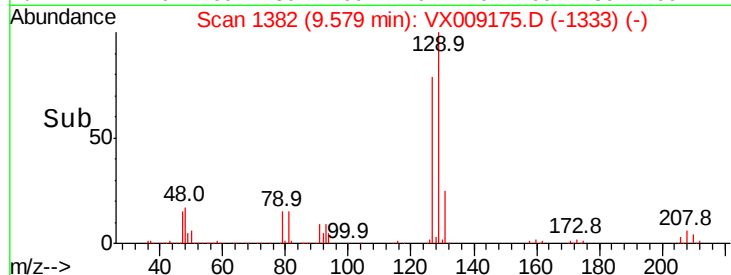
40000

20000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 49.577 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009175.D

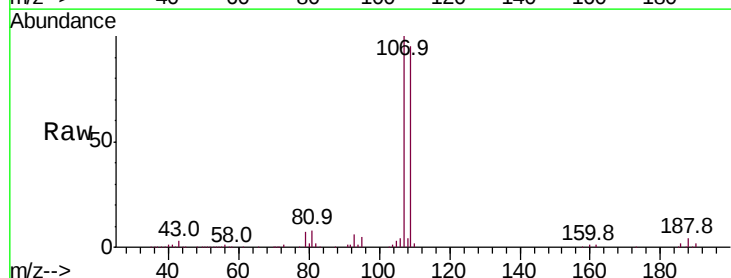
Acq: 25 Apr 2019 20:13

Tgt Ion:107 Resp: 111827

Ion Ratio Lower Upper

107 100

109 94.1 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

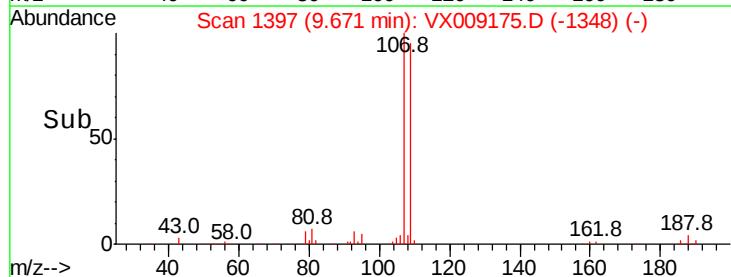
40000

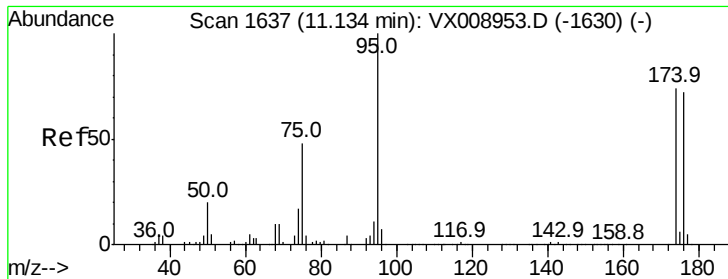
20000

0

9.60 9.65 9.70 9.75 9.80

Time-->





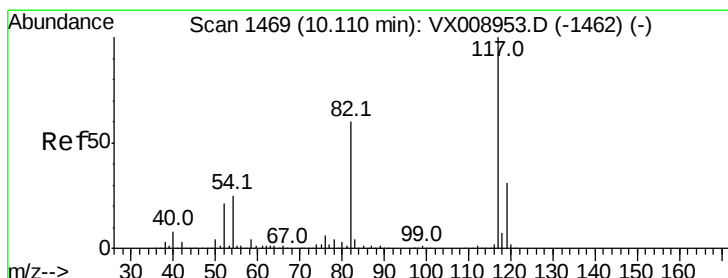
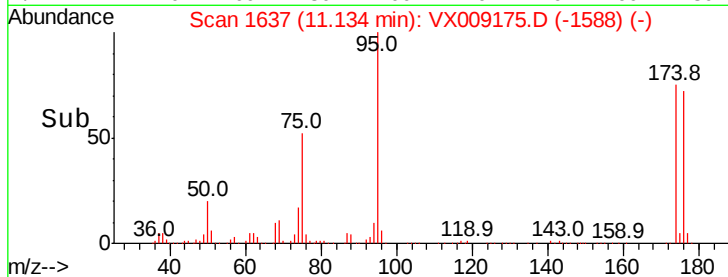
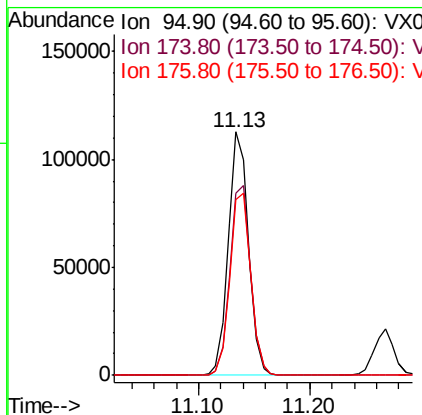
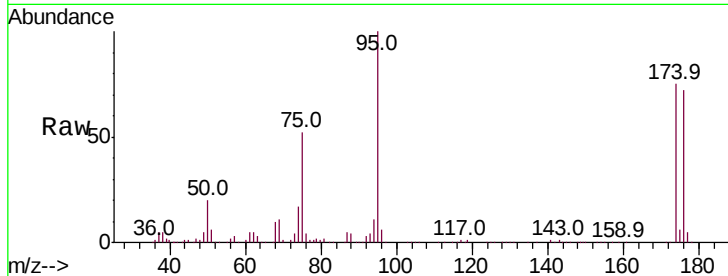
#62
4-Bromofluorobenzene
Concen: 51.667 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	140777		
174	80.4	0.0	159.6	
176	77.9	0.0	154.8	

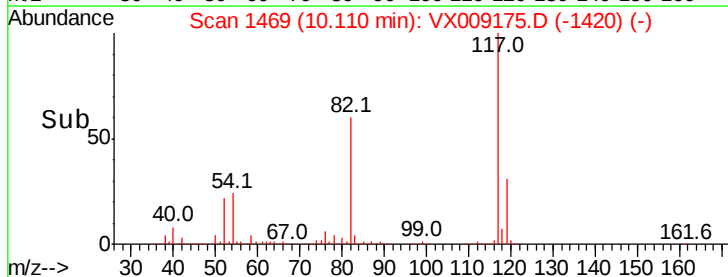
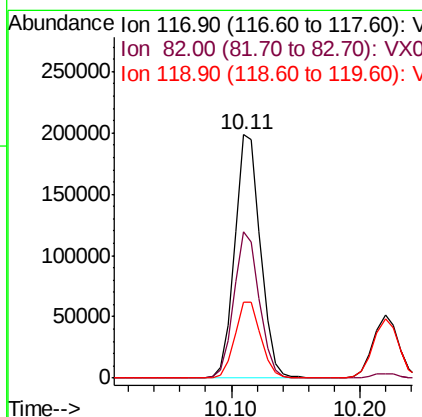
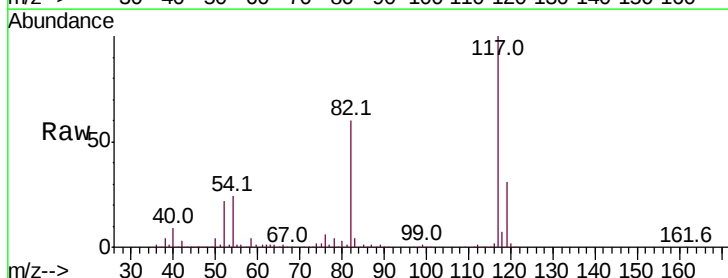
Manual Integrations
APPROVED

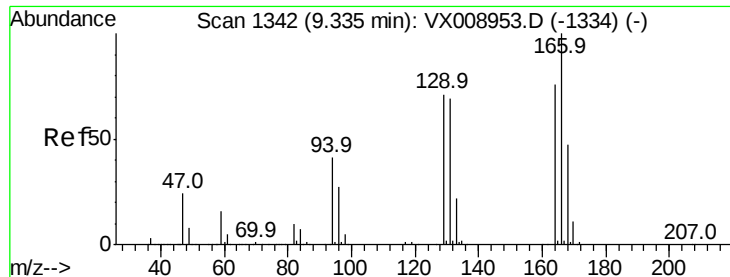
MMDadoda
4/26/2019 10:05:41 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	275422		
82	59.9	48.2	72.4	
119	31.2	25.0	37.6	





#64

Tetrachloroethene

Concen: 42.403 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion:164 Resp: 88722

Ion Ratio Lower Upper

164 100

166 129.9 105.0 157.4

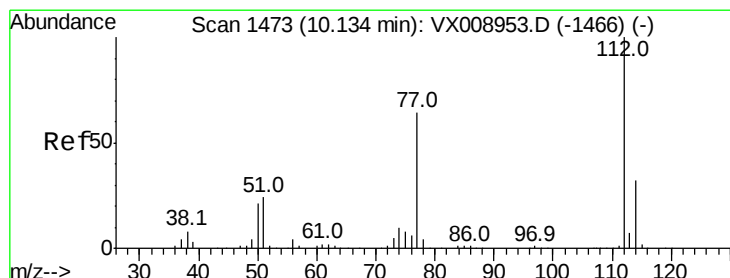
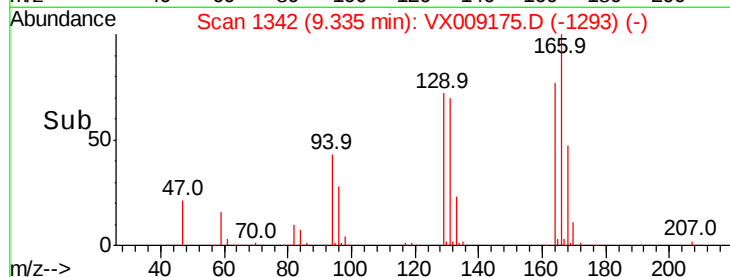
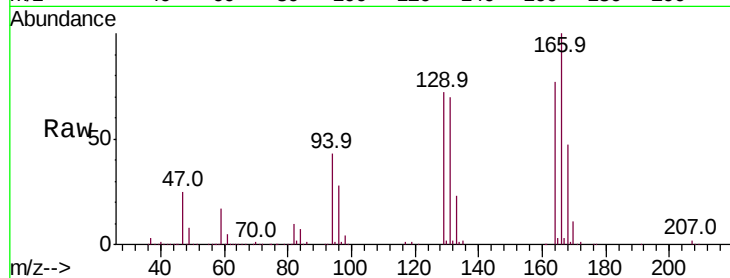
129 93.4 74.2 111.4

131 90.8 72.2 108.2

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#65

Chlorobenzene

Concen: 47.421 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009175.D

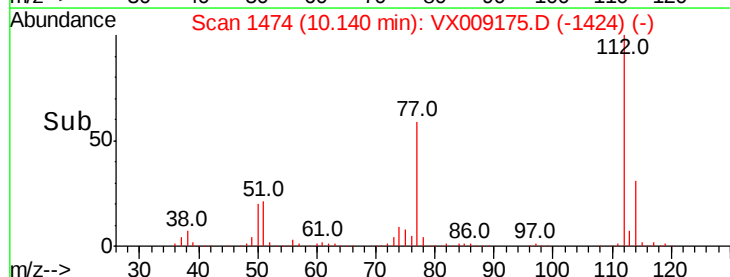
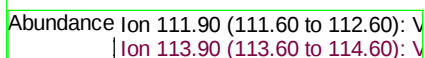
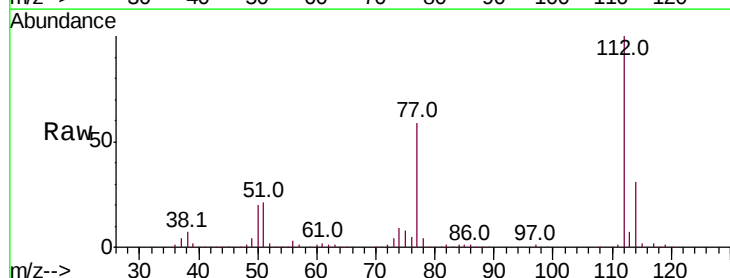
Acq: 25 Apr 2019 20:13

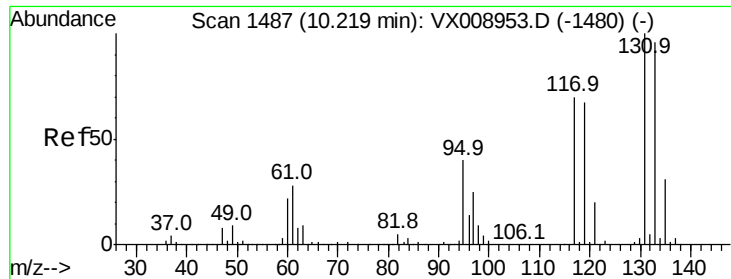
Tgt Ion:112 Resp: 275680

Ion Ratio Lower Upper

112 100

114 31.2 25.4 38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 48.522 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion:131 Resp: 99372

Ion Ratio Lower Upper

131 100

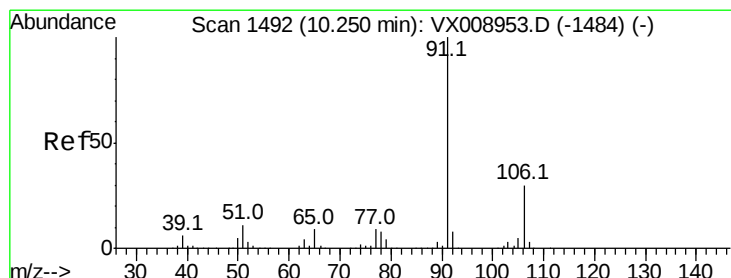
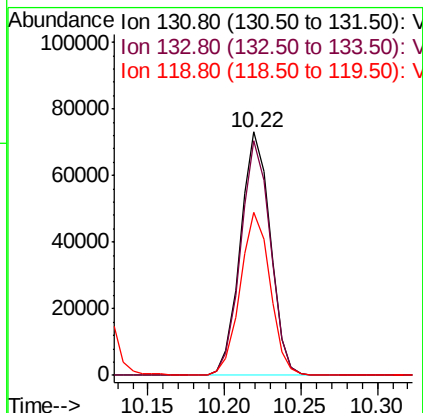
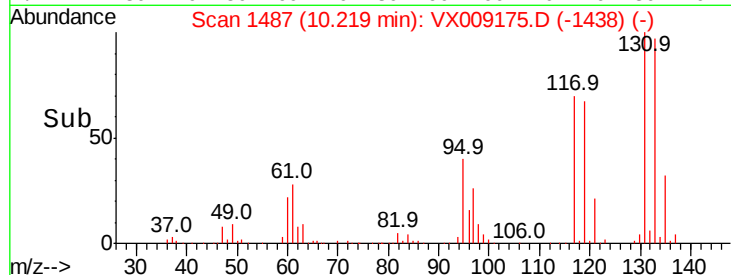
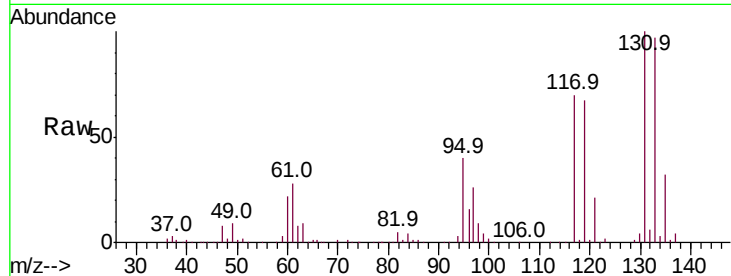
133 95.8 48.0 144.2

119 67.0 33.7 101.1

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#67

Ethyl Benzene

Concen: 47.731 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009175.D

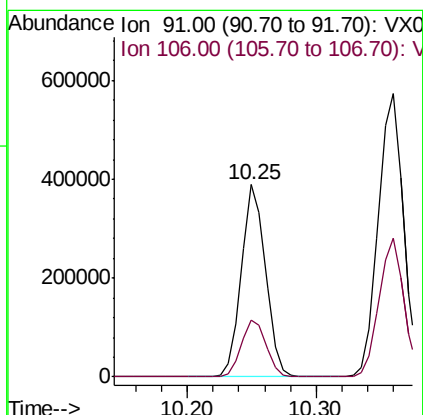
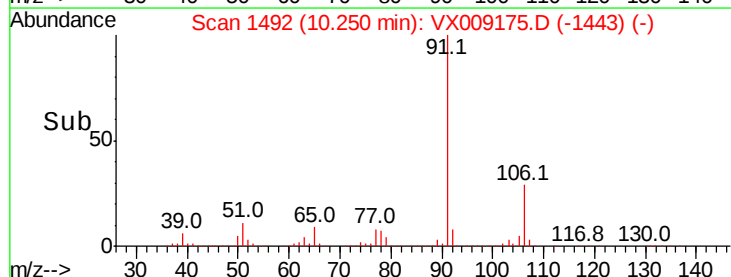
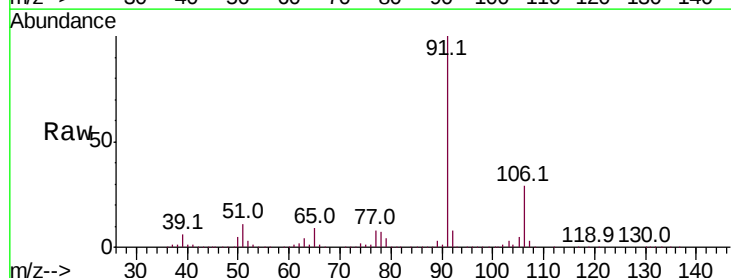
Acq: 25 Apr 2019 20:13

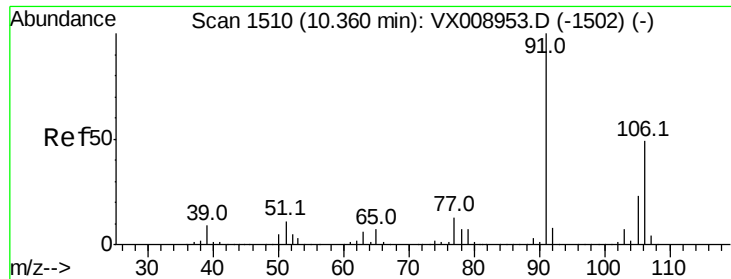
Tgt Ion: 91 Resp: 507240

Ion Ratio Lower Upper

91 100

106 29.5 24.3 36.5





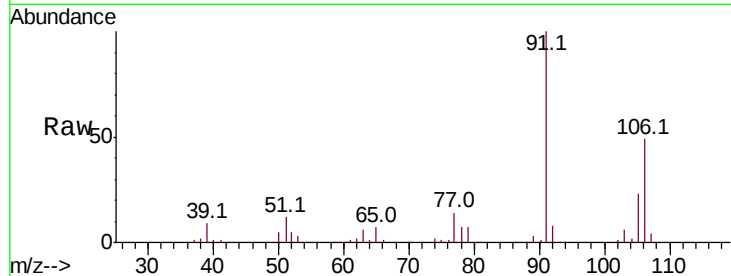
#68
m/p-Xylenes
Concen: 96.382 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

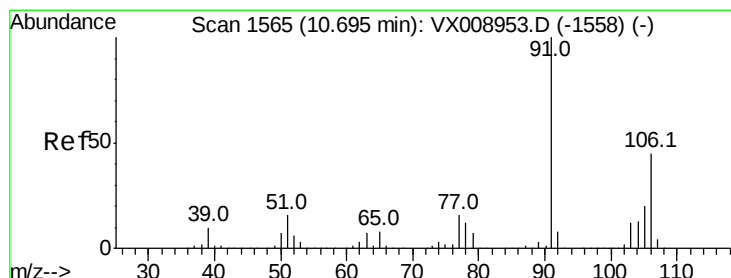
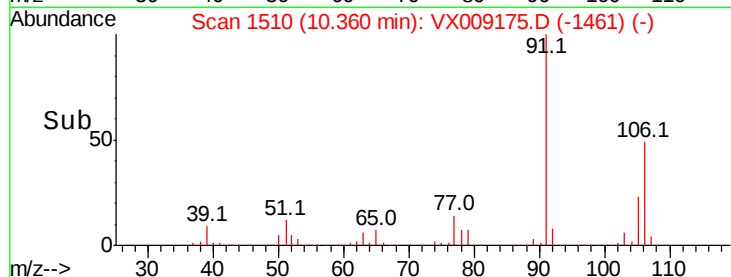
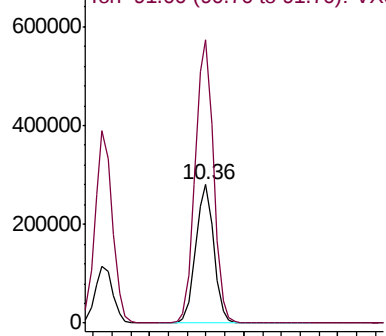
Tot Ion:106 Resp: 372245
Ion Ratio Lower Upper
106 100
91 207.8 165.4 248.2

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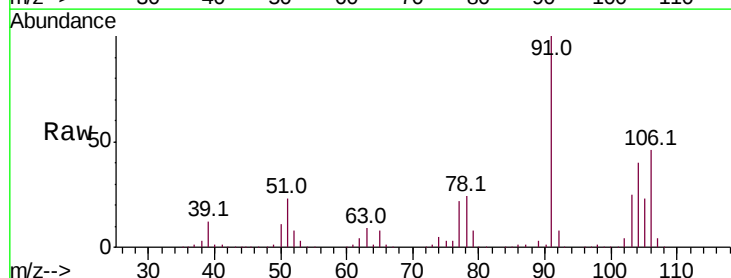


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

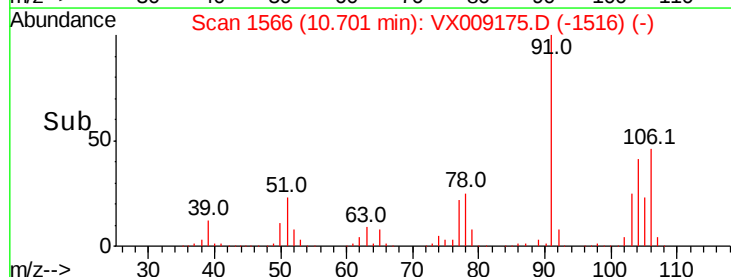
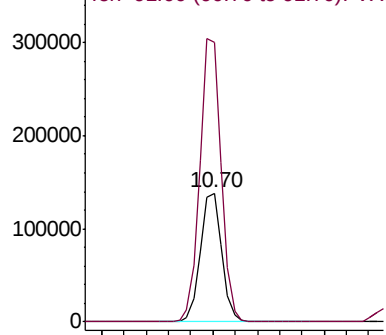


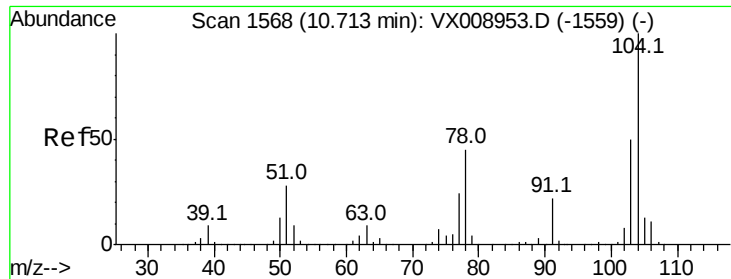
#69
o-Xylene
Concen: 48.853 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion:106 Resp: 183587
Ion Ratio Lower Upper
106 100
91 219.3 108.9 326.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





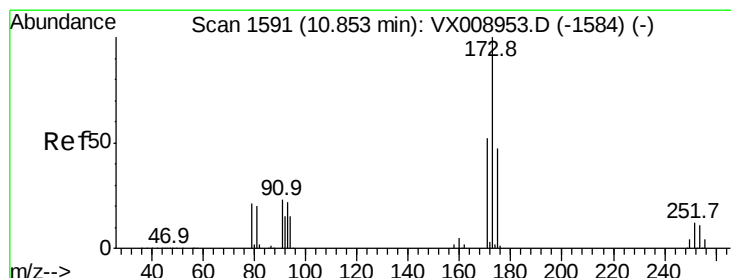
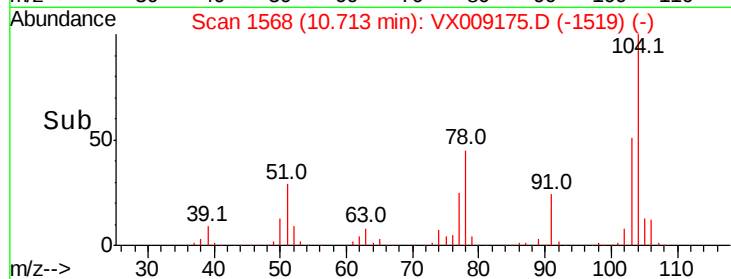
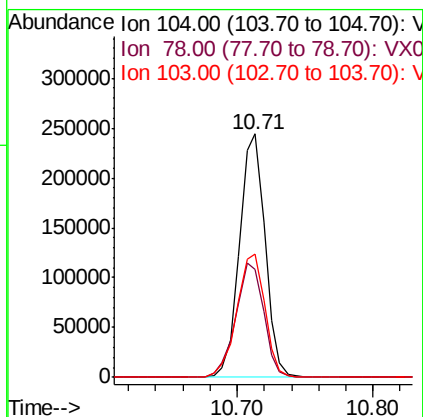
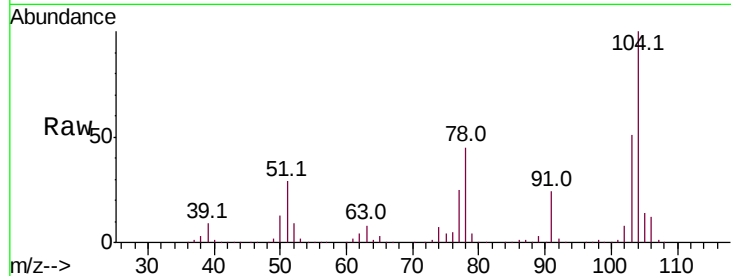
#70
Stvrene
Concen: 49.204 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.2	61.8
103	55.6	43.9	65.9

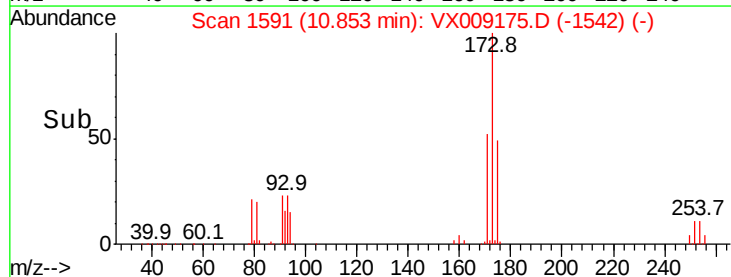
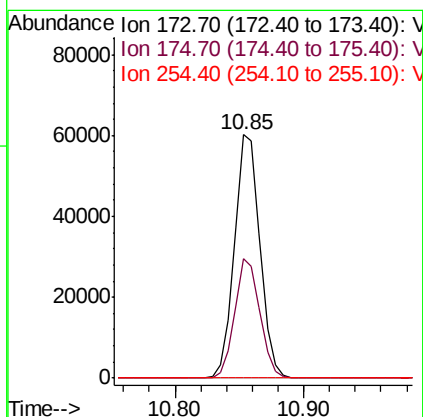
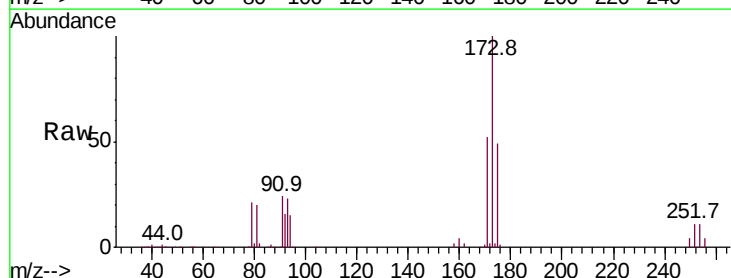
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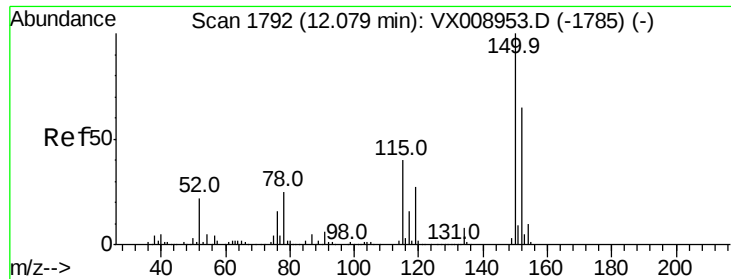
MMdadoda
4/26/2019 10:05:41 AM



#71
Bromoform
Concen: 50.888 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.9	71.8
254	0.1	0.2	0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion:152 Resp: 132939

Ion Ratio Lower Upper

152 100

115 82.0 41.4 124.2

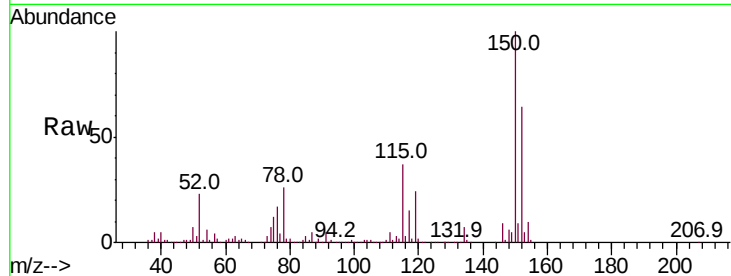
150 171.6 0.0 349.8

Manual Integrations

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MMdadoda

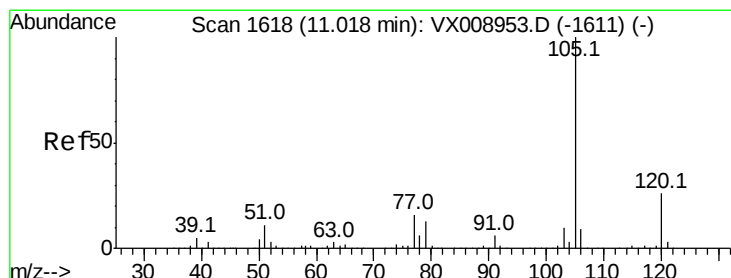
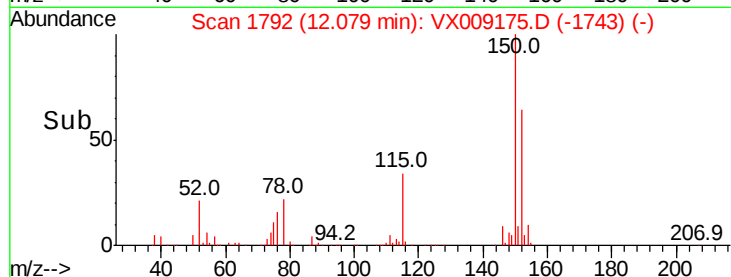
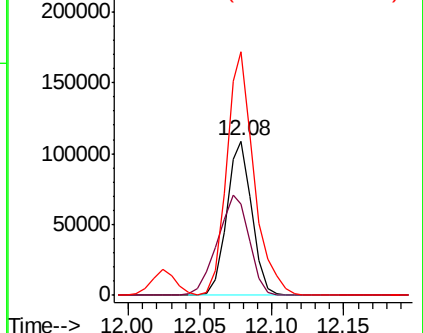
4/26/2019 10:05:41 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 48.113 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009175.D

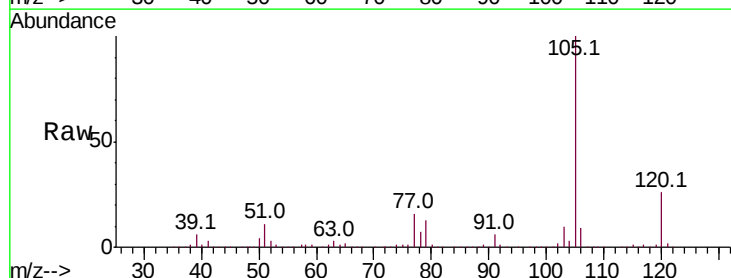
Acq: 25 Apr 2019 20:13

Tgt Ion:105 Resp: 484820

Ion Ratio Lower Upper

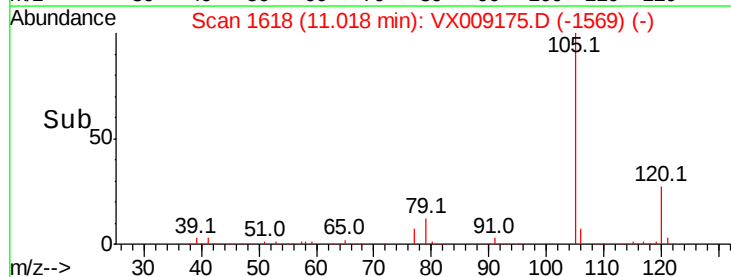
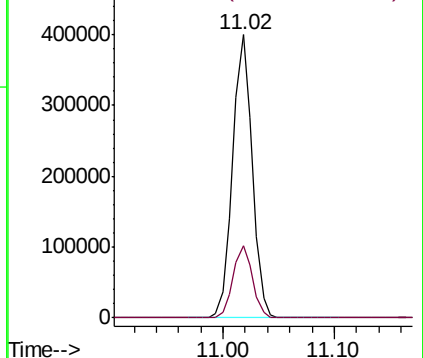
105 100

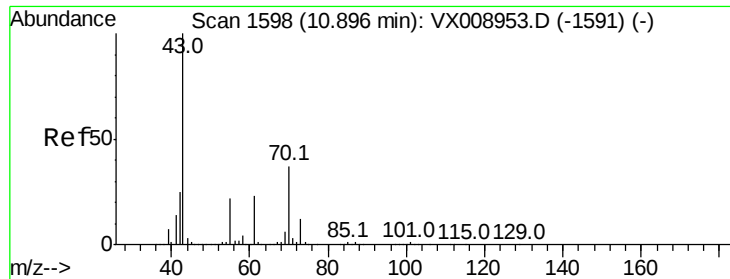
120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.559 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

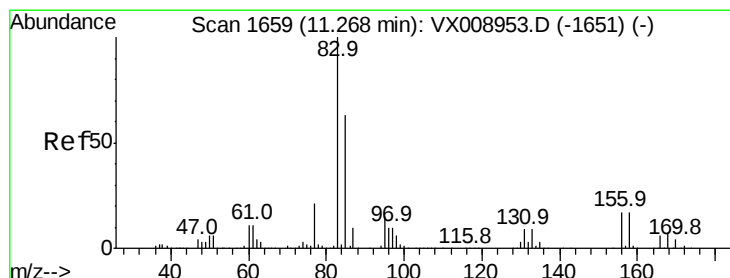
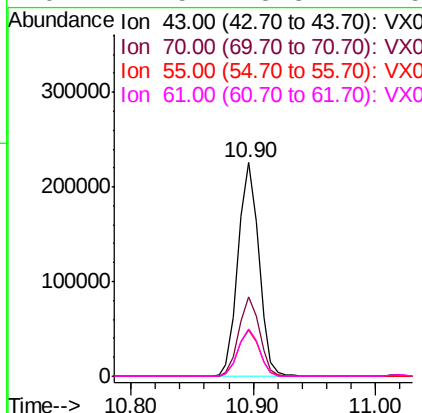
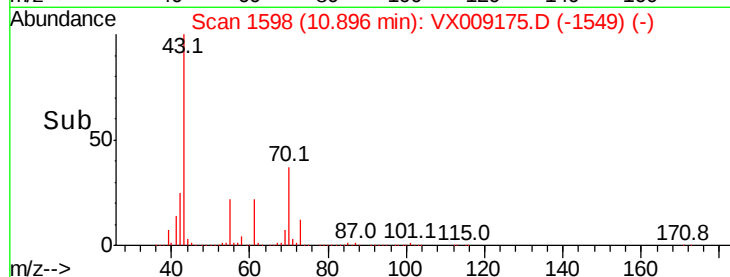
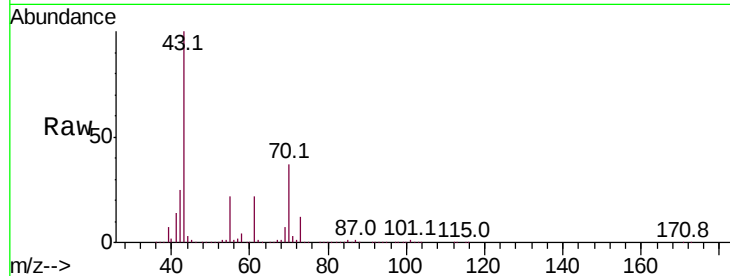
ClientSampleId :

HW-7MSD

Tot Ion	43	Resp	263592
Ion Ratio	Lower	Upper	
43	100		
70	37.1	29.9	44.9
55	22.4	17.8	26.8
61	22.5	18.3	27.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.647 ug/l

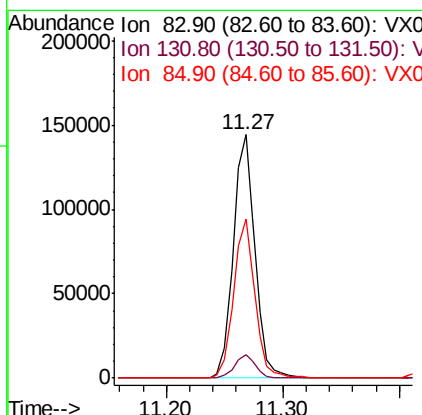
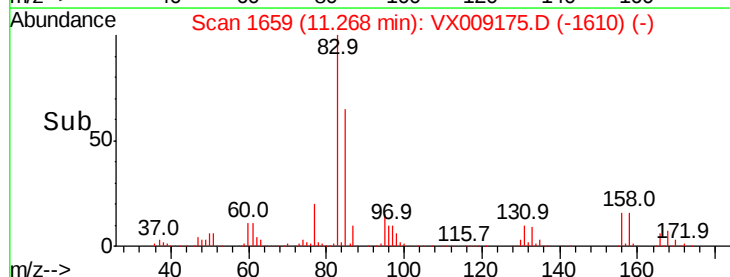
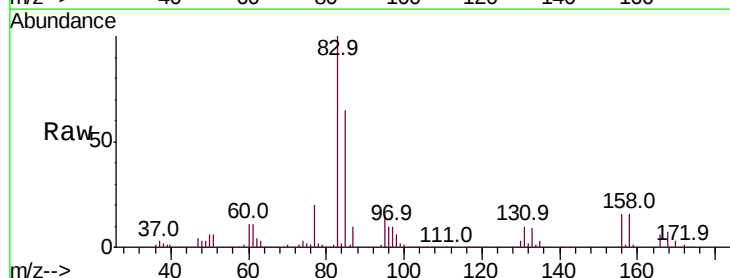
RT: 11.27 min Scan# 1659

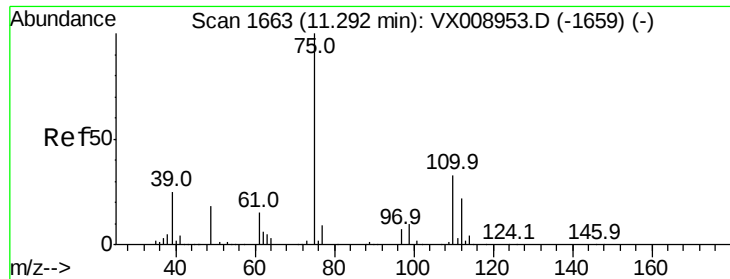
Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Tgt Ion	83	Resp	186472
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.0
85	64.0	31.9	95.9





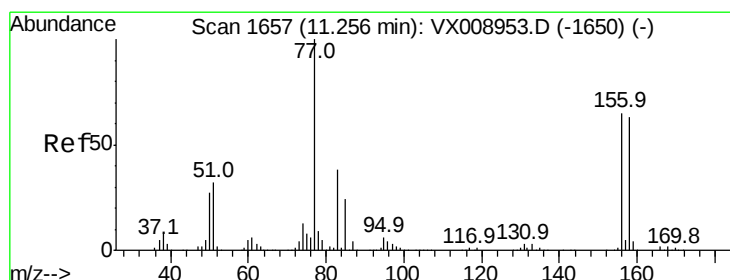
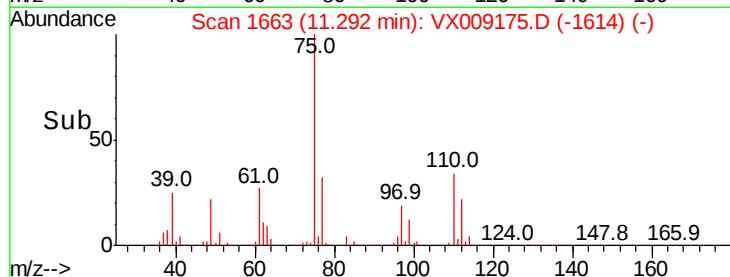
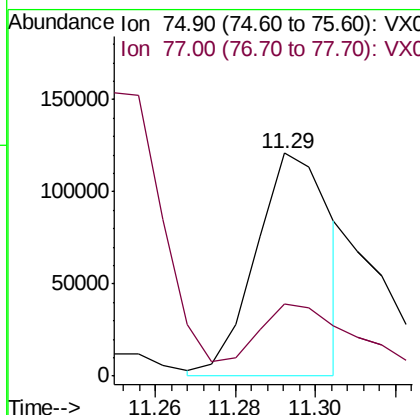
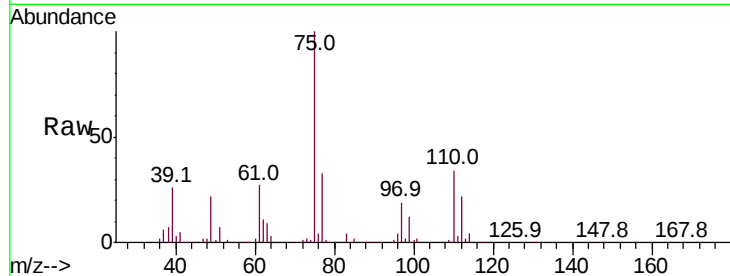
#76
 1,2,3-Trichloropropane
 Concen: 48.332 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MSD

Tot Ion: 75 Resp: 156892
 Ion Ratio Lower Upper
 75 100
 77 44.2 22.7 68.0

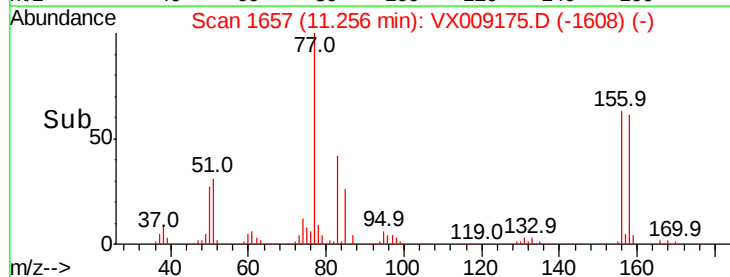
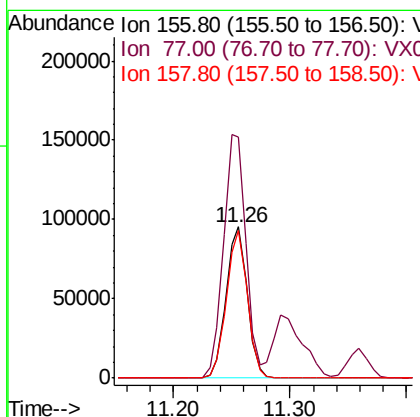
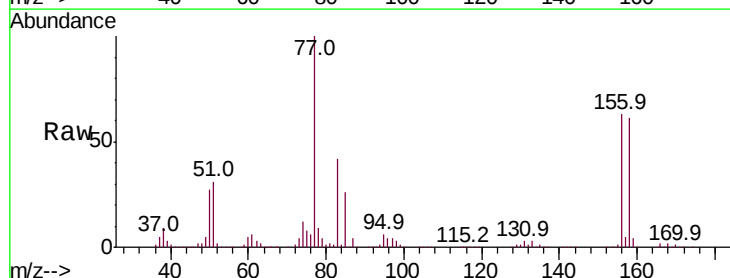
Manual Integrations
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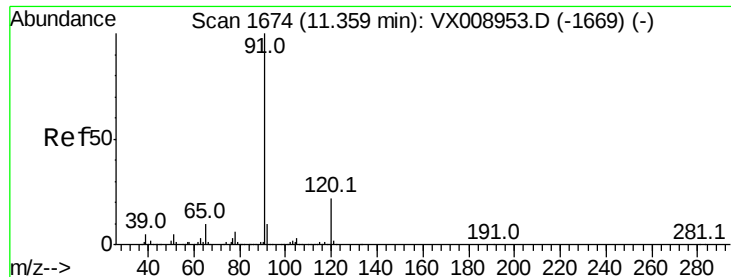
MMDadoda
 4/26/2019 10:05:41 AM



#77
 Bromobenzene
 Concen: 47.232 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Tgt Ion: 156 Resp: 120083
 Ion Ratio Lower Upper
 156 100
 77 169.5 85.4 256.1
 158 96.9 48.8 146.4





#78

n-propylbenzene

Concen: 48.422 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

HW-7MSD

Tot Ion: 91 Resp: 560035

Ion Ratio Lower Upper

91 100

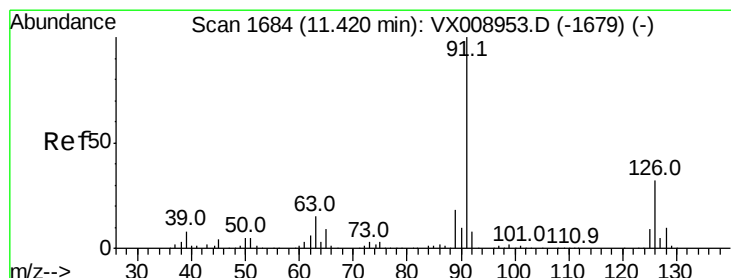
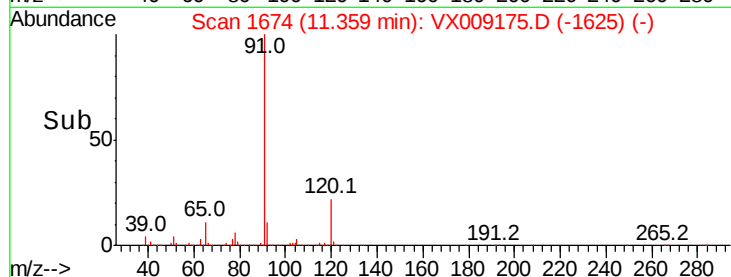
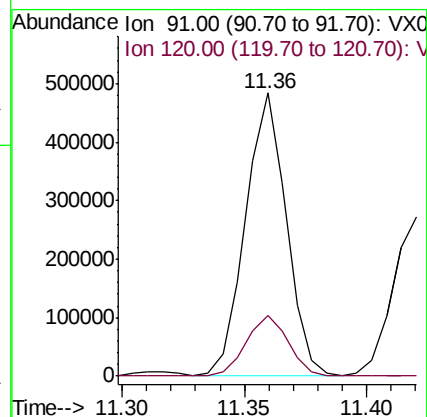
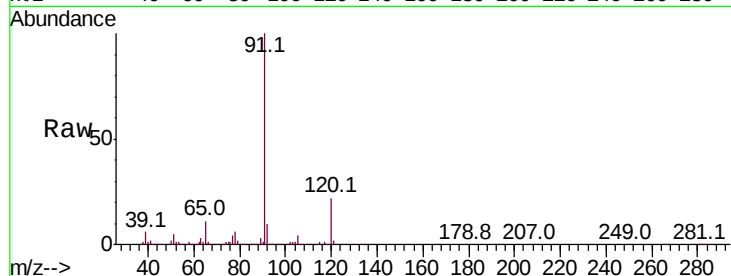
120 22.0 10.9 32.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 48.002 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009175.D

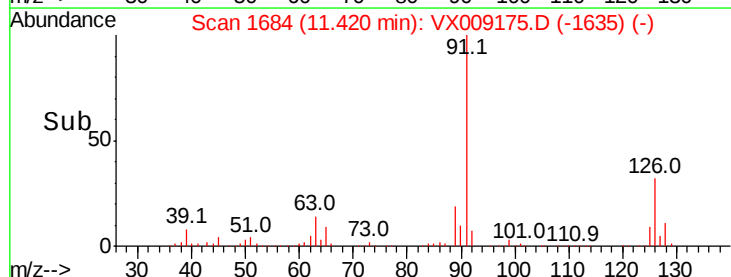
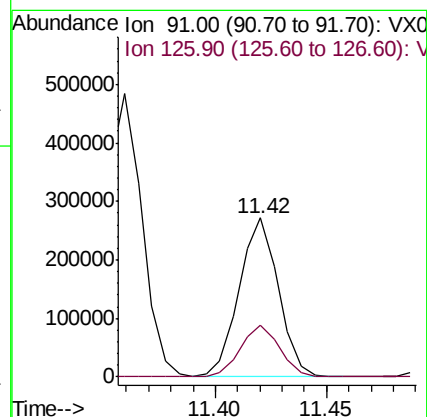
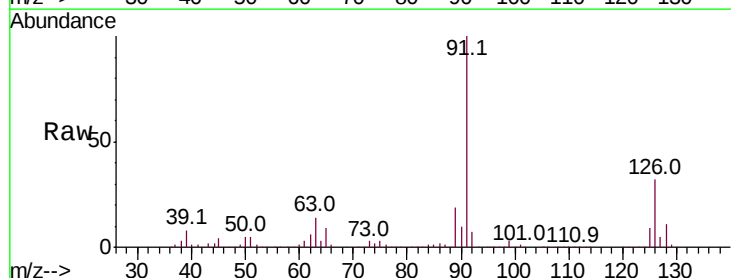
Acq: 25 Apr 2019 20:13

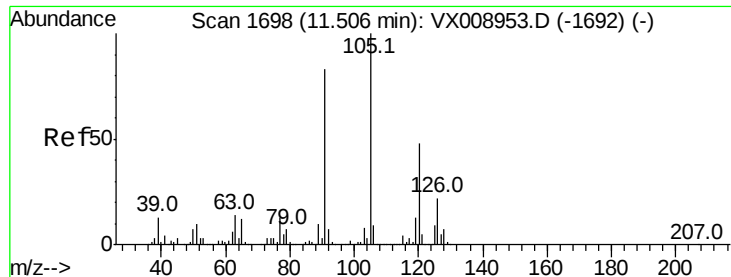
Tgt Ion: 91 Resp: 334548

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





#80

1,3,5-Trimethylbenzene

Concen: 48.425 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion:105 Resp: 409479

Ion Ratio Lower Upper

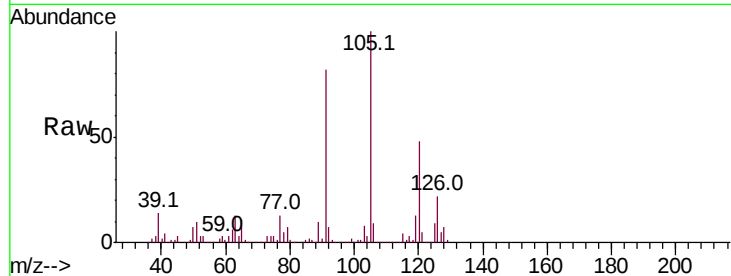
105 100

120 48.0 24.1 72.3

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APPROVED

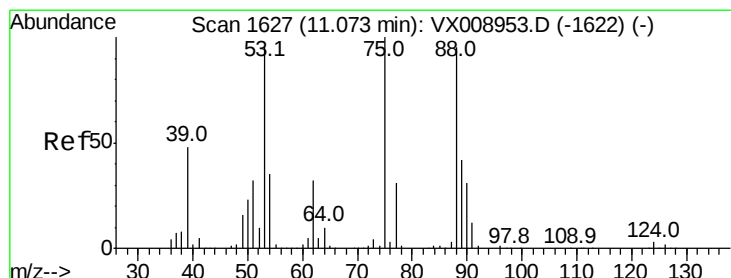
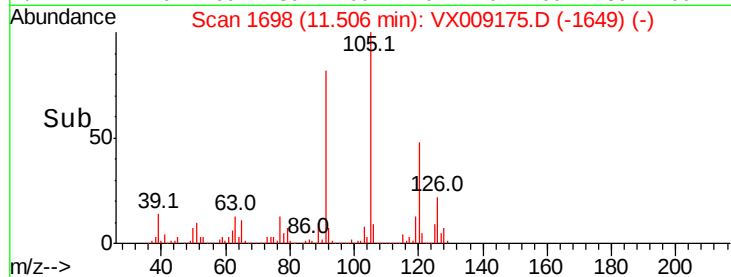
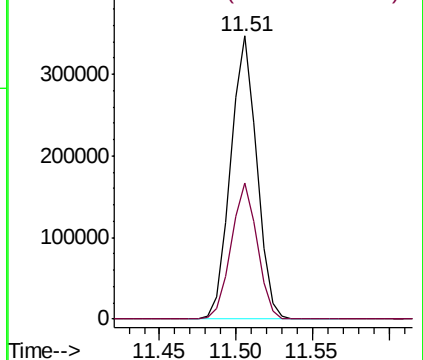
MMdadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 46.245 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

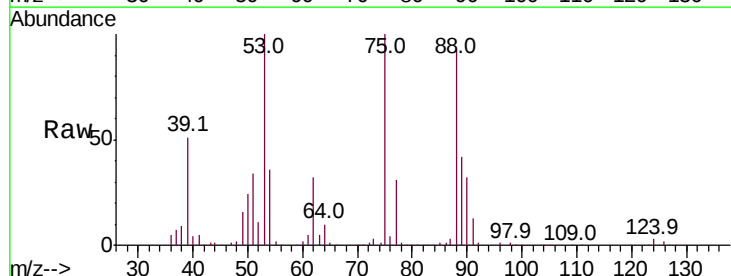
Tgt Ion: 75 Resp: 58473

Ion Ratio Lower Upper

75 100

53 101.9 78.2 117.4

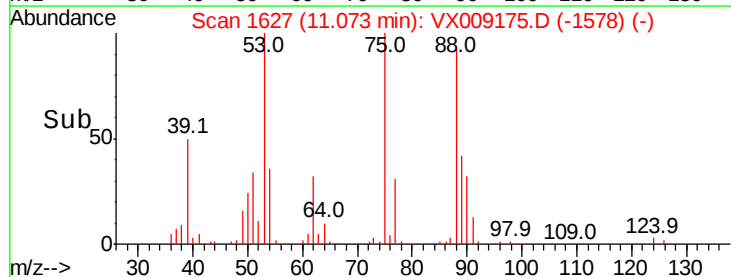
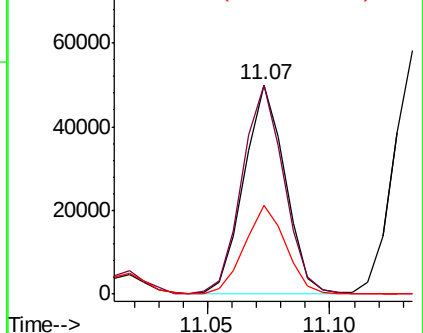
89 42.8 36.0 54.0

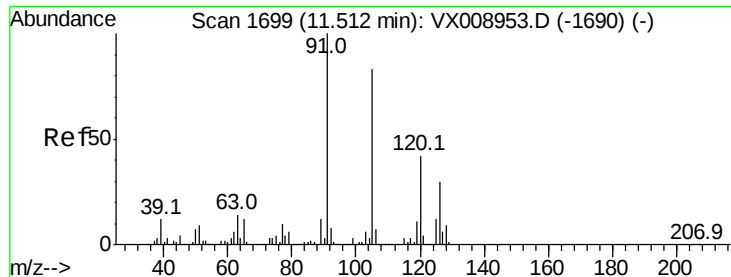


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 47.405 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 91 Resp: 383706

Ion Ratio Lower Upper

91 100

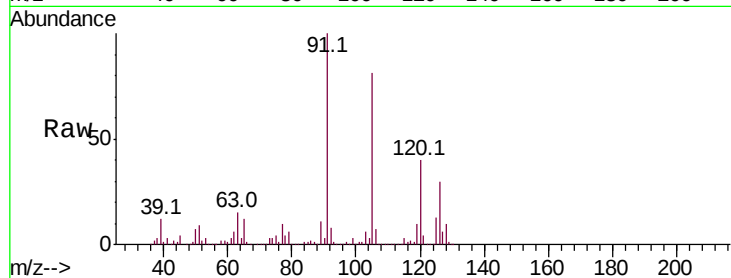
126 28.6 14.3 42.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1690) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1690) (-)

11.51

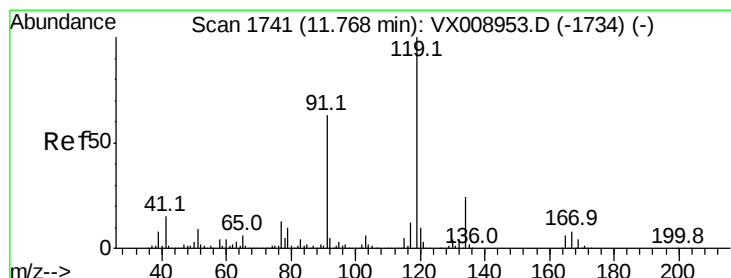
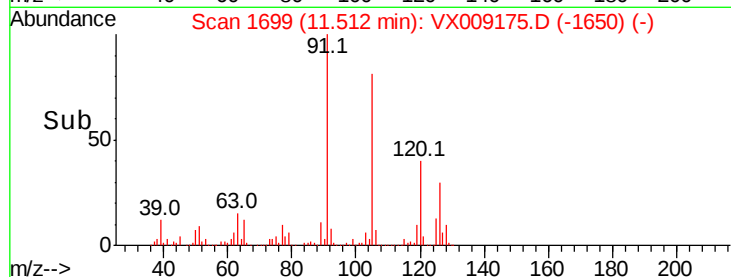
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#83

tert-Butylbenzene

Concen: 49.765 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

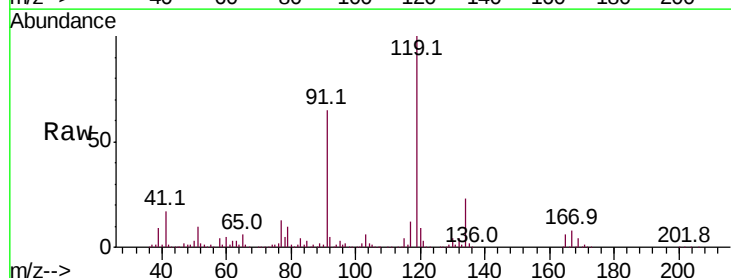
Tgt Ion: 119 Resp: 404015

Ion Ratio Lower Upper

119 100

91 57.8 29.7 89.1

134 21.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): VX008953.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX008953.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX008953.D (-1734) (-)

11.77

400000

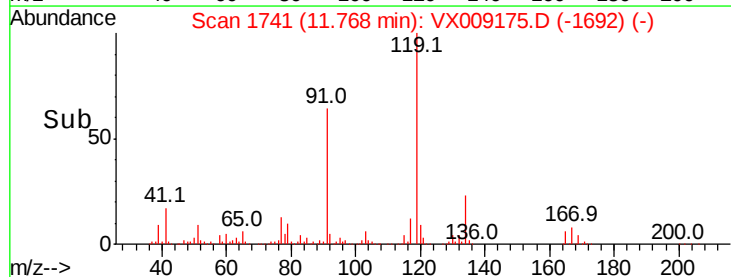
300000

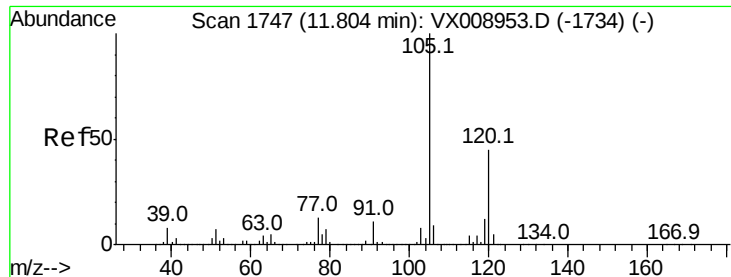
200000

100000

0

Time--> 11.70 11.75 11.80





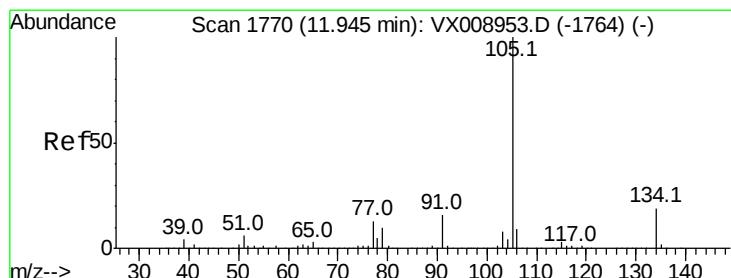
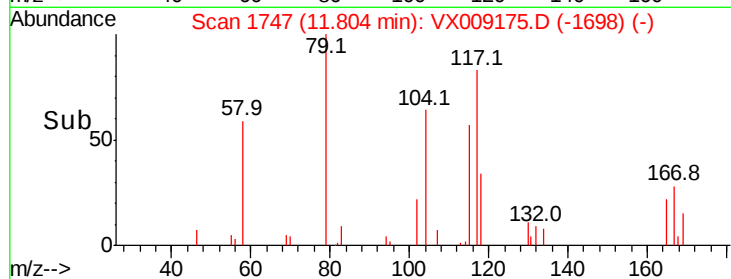
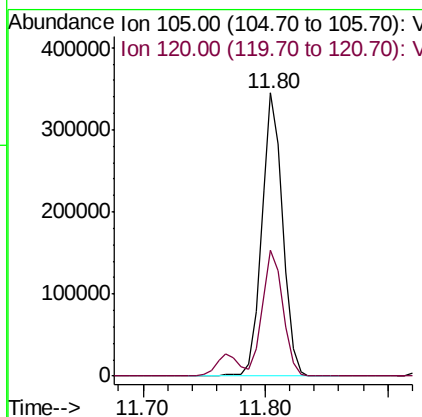
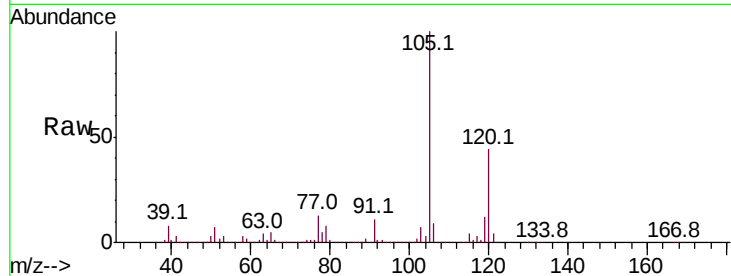
#84
 1,2,4-Trimethylbenzene
 Concen: 47.820 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	411607		
120	44.0	21.9	65.8	

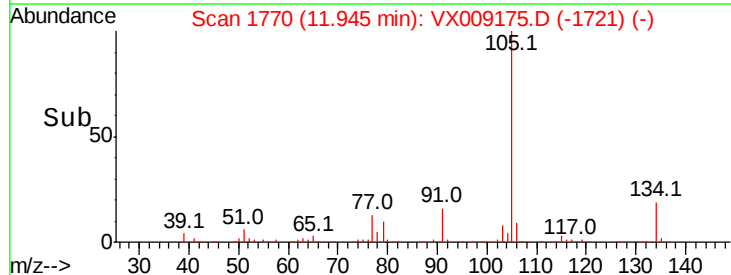
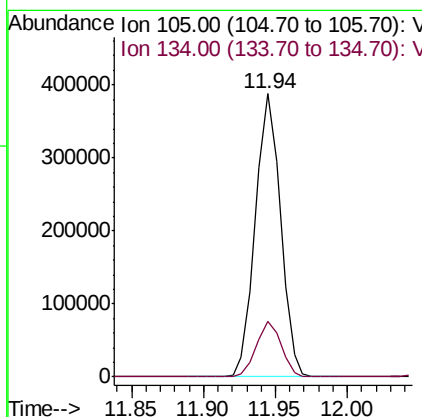
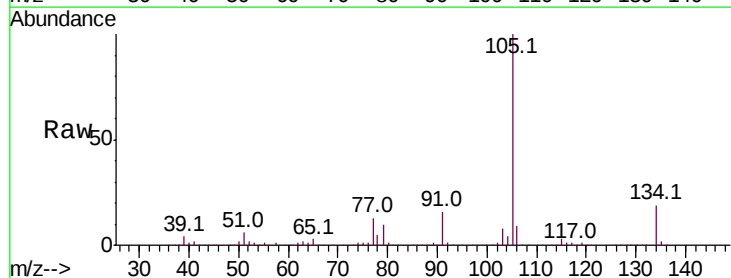
Manual Integrations
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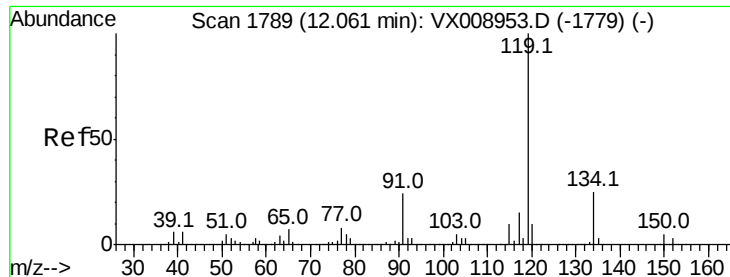
MMDadoda
 4/26/2019 10:05:41 AM



#85
 sec-Butylbenzene
 Concen: 48.146 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	466174		
134	19.3	9.6	28.6	





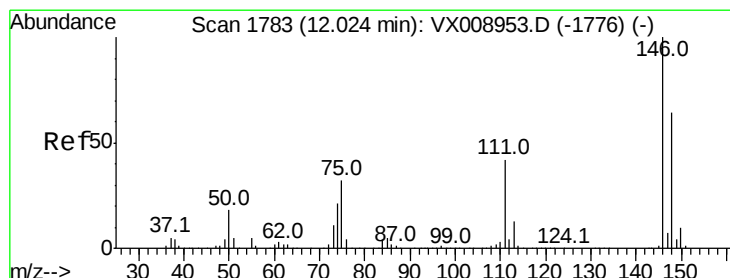
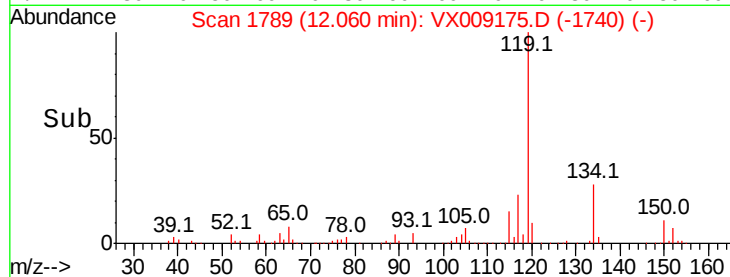
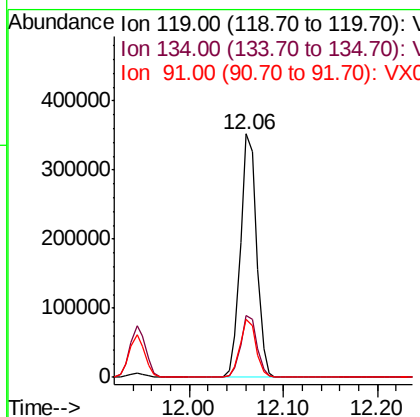
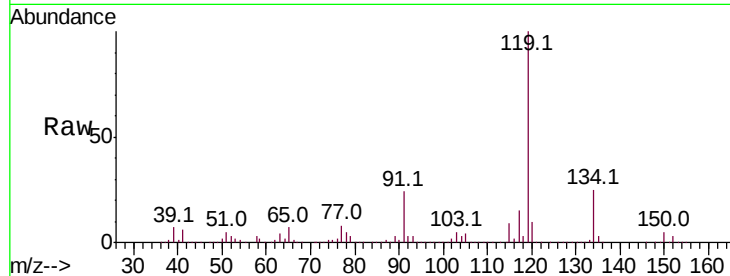
#86
 p-Isopropyltoluene
 Concen: 47.333 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	421357		
134	25.5	12.9	38.6	
91	23.6	11.9	35.5	

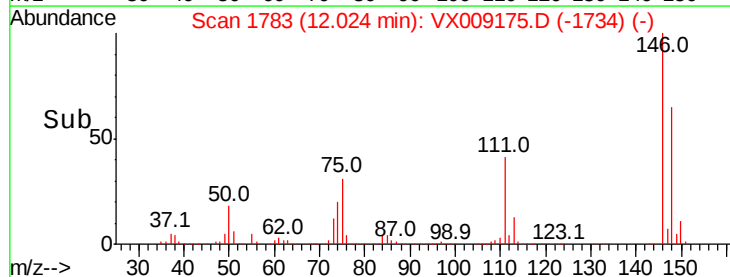
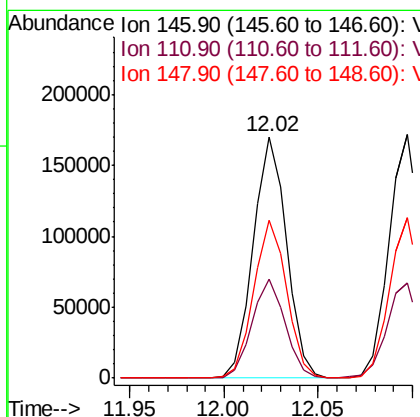
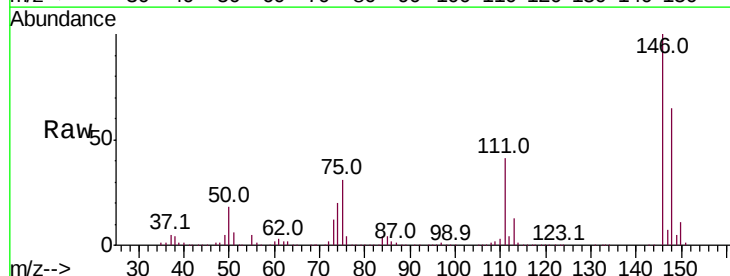
Manual Integrations
 APPROVED

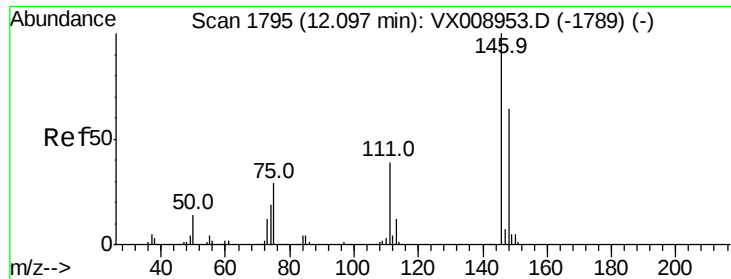
MMDadoda
 4/26/2019 10:05:41 AM



#87
 1,3-Dichlorobenzene
 Concen: 46.933 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	208841		
111	40.8	20.5	61.6	
148	64.6	32.2	96.6	





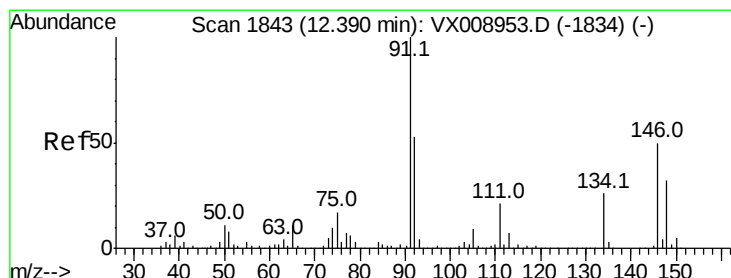
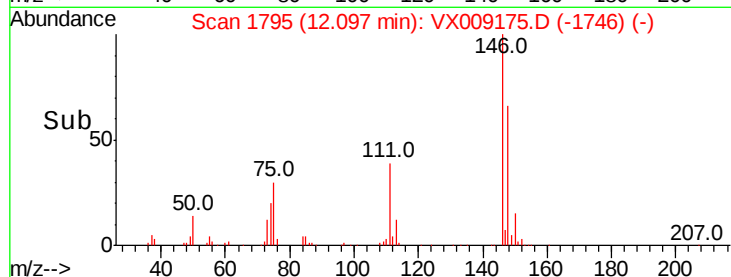
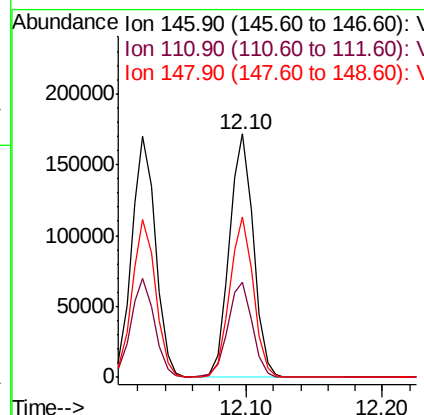
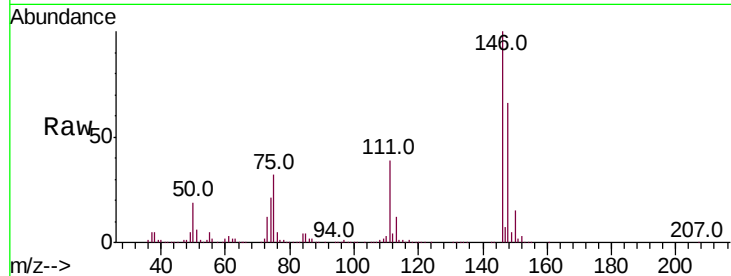
#88
1,4-Dichlorobenzene
Concen: 46.341 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209036		
111	39.9	20.0	59.9	
148	64.8	32.2	96.6	

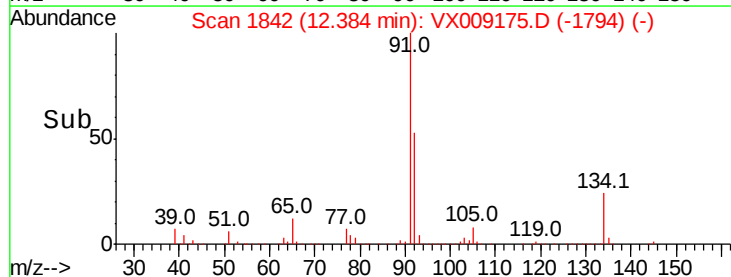
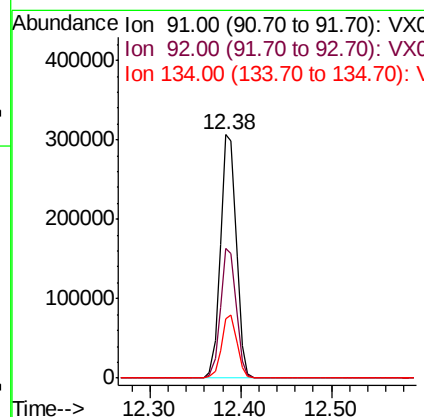
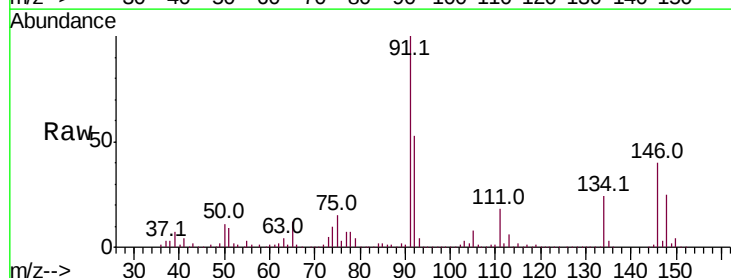
Manual Integrations
APPROVED

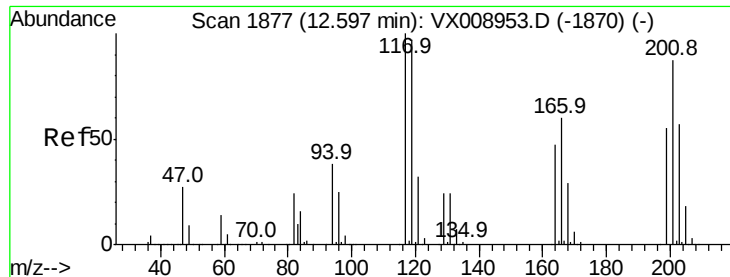
MMdadoda
4/26/2019 10:05:41 AM



#89
n-Butylbenzene
Concen: 45.561 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	377718		
92	52.7	26.6	79.8	
134	25.0	12.4	37.2	





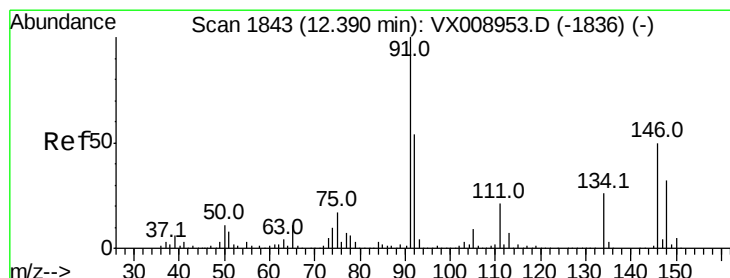
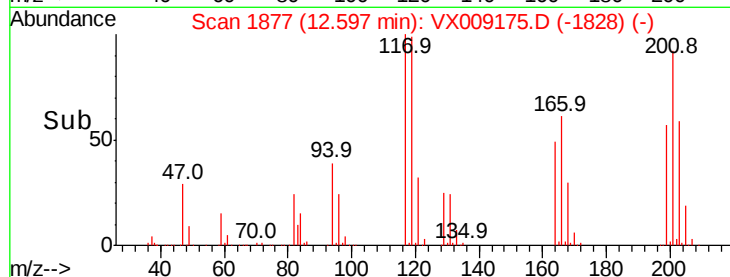
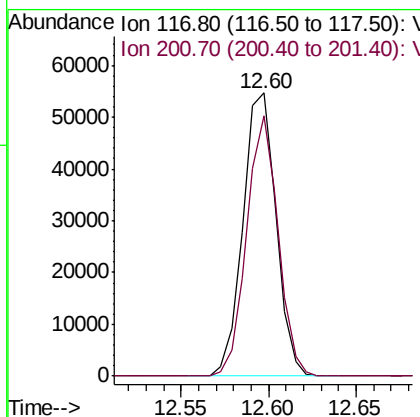
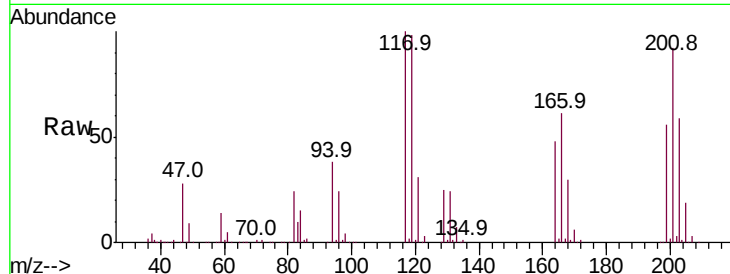
#90
Hexachloroethane
Concen: 49.109 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :
HW-7MSD

Tot Ion:117 Resp: 72112
Ion Ratio Lower Upper
117 100
201 86.9 43.0 129.0

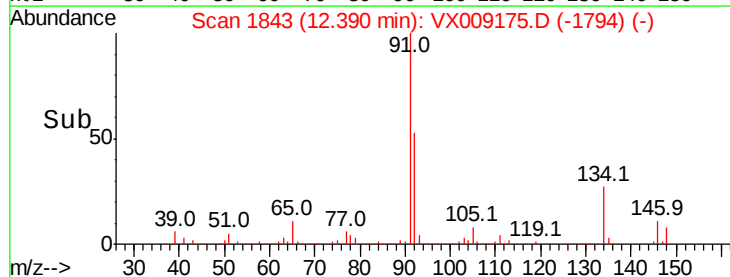
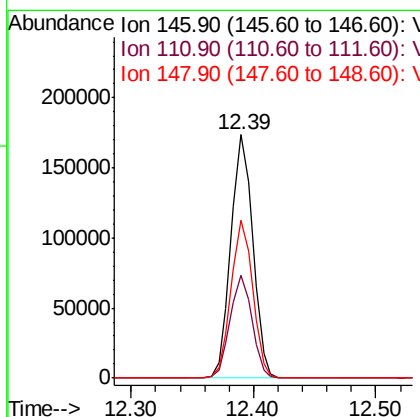
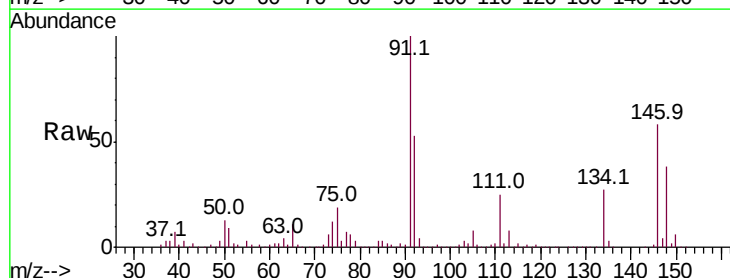
Manual Integrations
APPROVED

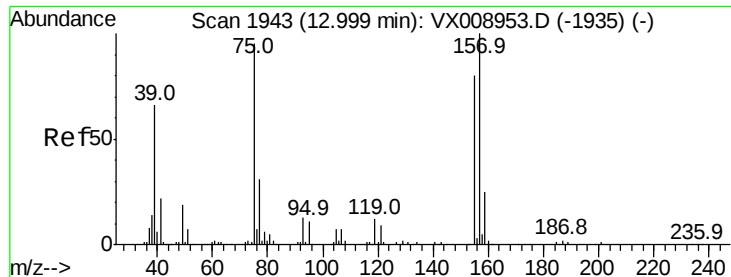
MMdadoda
4/26/2019 10:05:41 AM



#91
1,2-Dichlorobenzene
Concen: 48.876 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009175.D
Acq: 25 Apr 2019 20:13

Tgt Ion:146 Resp: 214764
Ion Ratio Lower Upper
146 100
111 42.0 20.6 61.9
148 64.0 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.597 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

HW-7MSD

Tot Ion: 75 Resp: 44091

Ion Ratio Lower Upper

75 100

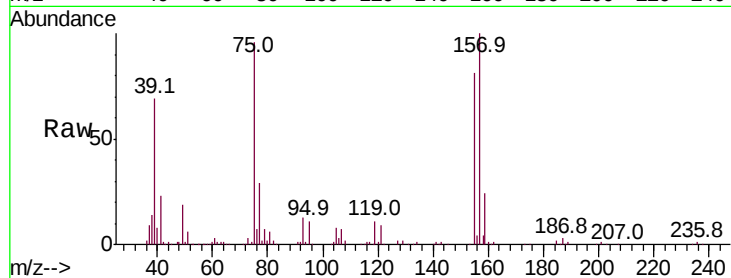
155 81.7 41.2 123.6

157 105.0 52.5 157.6

Manual Integrations
APPROVED

MMdadoda

4/26/2019 10:05:41 AM

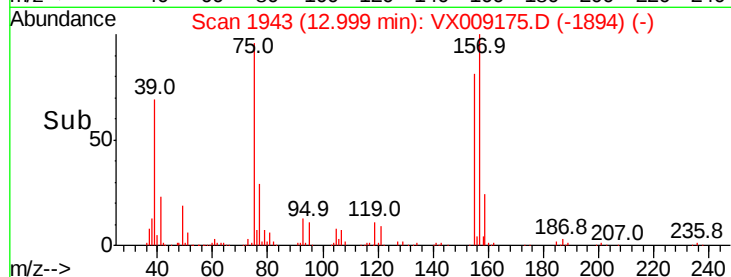


Abundance Ion 74.90 (74.60 to 75.60): VX008953.D (-1935) (-)

Ion 154.80 (154.50 to 155.50): VX008953.D (-1935) (-)

Ion 156.80 (156.50 to 157.50): VX008953.D (-1935) (-)

Time-->

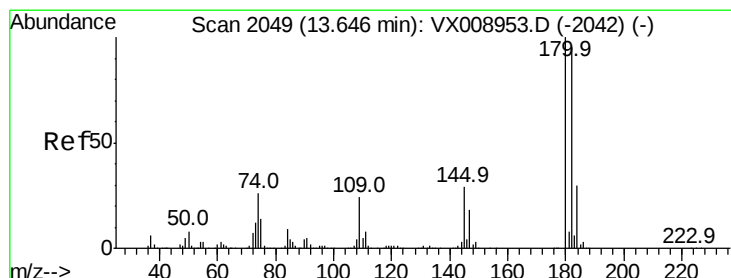


Abundance Ion 74.90 (74.60 to 75.60): VX009175.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX009175.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX009175.D (-1894) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 46.740 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

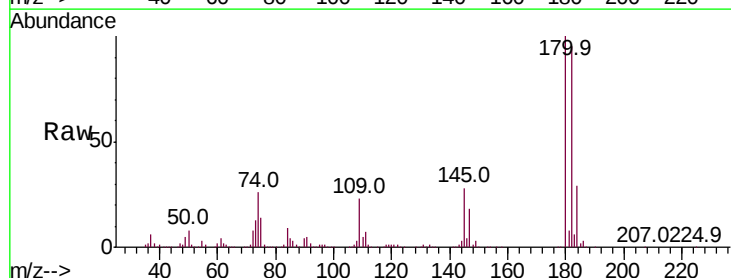
Tgt Ion:180 Resp: 148254

Ion Ratio Lower Upper

180 100

182 95.2 47.6 142.9

145 29.5 14.8 44.4

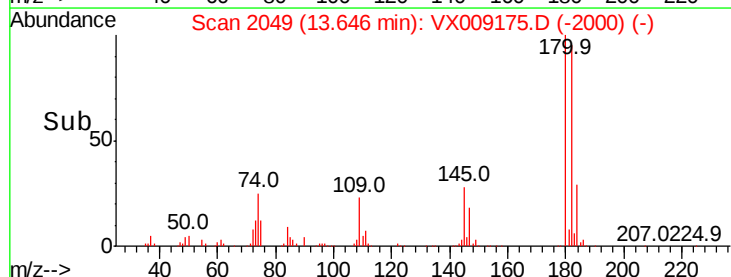


Abundance Ion 179.80 (179.50 to 180.50): VX008953.D (-2042) (-)

Ion 181.80 (181.50 to 182.50): VX008953.D (-2042) (-)

Ion 144.80 (144.50 to 145.50): VX008953.D (-2042) (-)

Time-->

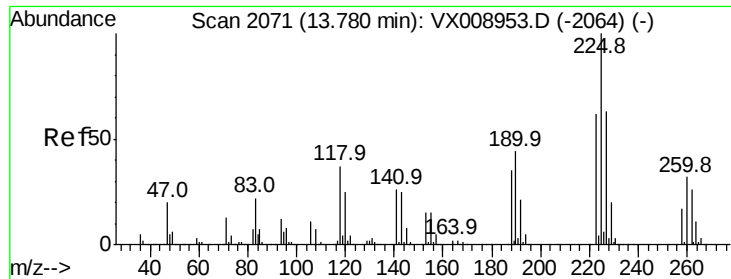


Abundance Ion 179.80 (179.50 to 180.50): VX009175.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX009175.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX009175.D (-2000) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 45.923 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009175.D

Acq: 25 Apr 2019 20:13

Instrument :

MSVOA_X

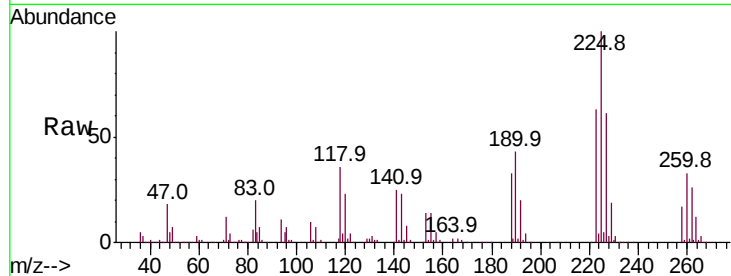
ClientSampleId :

HW-7MSD

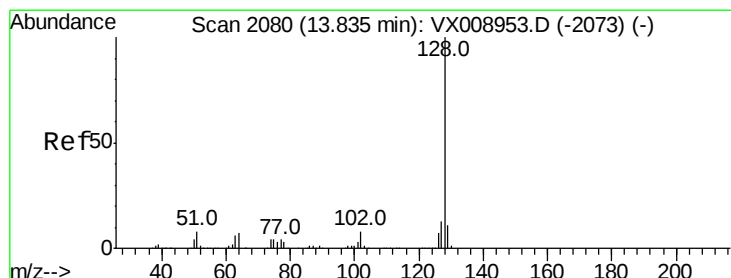
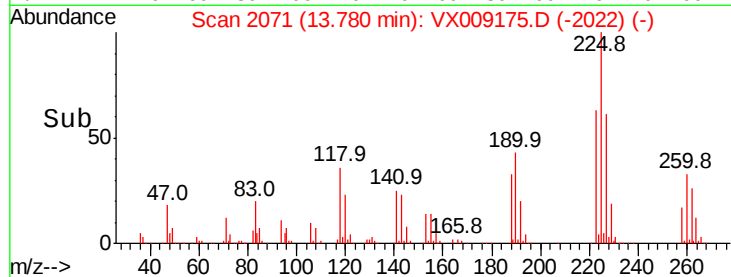
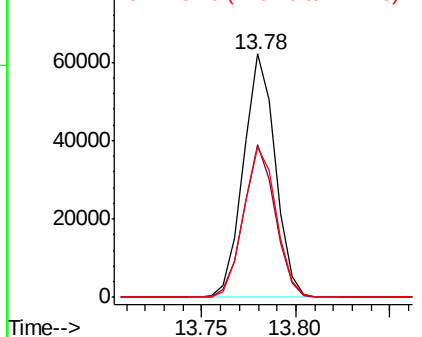
Tot Ion:	225	Resp:	72649
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.1	93.2
227	63.4	32.0	96.2

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:05:41 AM



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: 50.299 ug/l

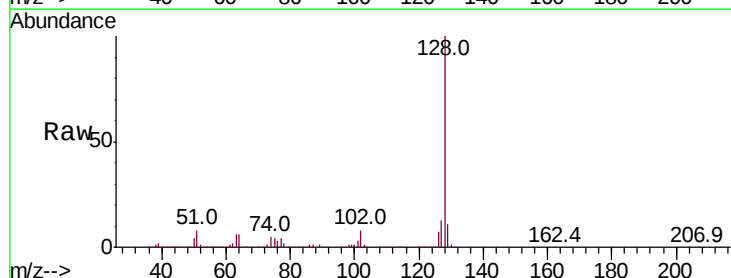
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

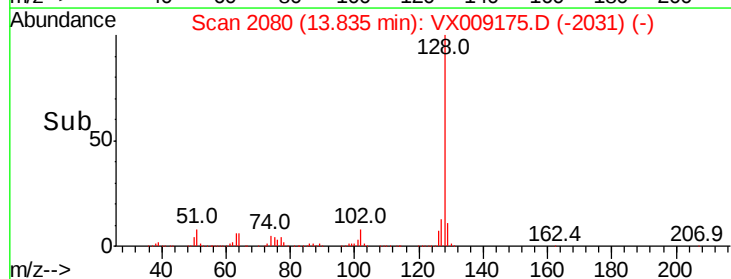
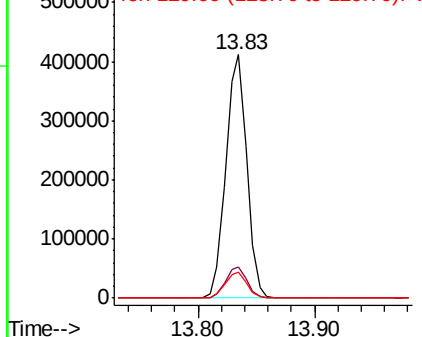
Lab File: VX009175.D

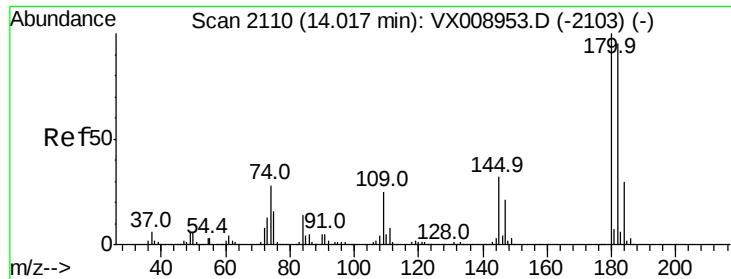
Acq: 25 Apr 2019 20:13

Tgt Ion:	128	Resp:	511143
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	11.0	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





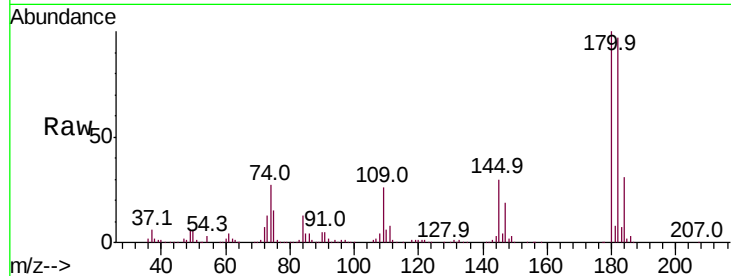
#96
 1,2,3-Trichlorobenzene
 Concen: 47.934 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009175.D
 Acq: 25 Apr 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.8	143.4	
145	30.8	15.8	47.3	

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 10:05:41 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

