

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004760.D
 Acq On : 27 Sep 2018 08:12
 Operator : JC/MD
 Sample : J5029-09MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 12:51:14 PM

Quant Time: Sep 27 09:07:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	435228	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	201448	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	5.49	113	172359	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	8.72	98	618808	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.14	95	229516	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	176392	45.768	ug/l	100
3) Chloromethane	1.32	50	222440	47.572	ug/l	98
4) Vinyl Chloride	1.40	62	239931	54.709	ug/l	90
5) Bromomethane	1.64	94	101540	39.045	ug/l	100
6) Chloroethane	1.72	64	137785	58.024	ug/l	92
7) Trichlorofluoromethane	1.93	101	268666	49.485	ug/l	100
8) Diethyl Ether	2.19	74	122172	51.798	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	126749	40.984	ug/l	97
10) Methyl Iodide	2.51	142	127776	30.875	ug/l	99
11) Tert butyl alcohol	3.07	59	268977	238.237	ug/l	100
12) 1,1-Dichloroethene	2.37	96	153188	50.016	ug/l	94
13) Acrolein	2.30	56	662	0.824	ug/l #	64
14) Allyl chloride	2.73	41	331233	49.566	ug/l	95
15) Acrylonitrile	3.15	53	634353	255.229	ug/l	98
16) Acetone	2.45	43	573549	243.298	ug/l	91
17) Carbon Disulfide	2.57	76	474021	51.506	ug/l	97
18) Methyl Acetate	2.78	43	314116	52.592	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	706489	66.873	ug/l	98
20) Methylene Chloride	2.85	84	194060	56.731	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	171479	51.146	ug/l	98
22) Diisopropyl ether	3.88	45	629780	55.965	ug/l	94
23) Vinyl Acetate	3.83	43	2825849	274.337	ug/l	96
24) 1,1-Dichloroethane	3.70	63	336587	50.142	ug/l	99
25) 2-Butanone	4.70	43	897441	258.266	ug/l	92
26) 2,2-Dichloropropane	4.59	77	143414	30.681	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	208346	55.626	ug/l	99
28) Bromochloromethane	5.02	49	172004	54.414	ug/l	88
29) Tetrahydrofuran	5.15	42	580699	268.872	ug/l	95
30) Chloroform	5.22	83	334984	52.803	ug/l	96
31) Cyclohexane	5.58	56	269022	52.363	ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	265101	51.167	ug/l	99
36) 1,1-Dichloropropene	5.80	75	233928	46.482	ug/l	99
37) Ethyl Acetate	4.86	43	331318	49.596	ug/l	98
38) Carbon Tetrachloride	5.77	117	227534	43.010	ug/l #	82

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	226533	44.082	ug/l	97
40) Benzene	6.15	78	738027	46.842	ug/l	100
41) Methacrylonitrile	5.06	41	179215	48.374	ug/l	99
42) 1,2-Dichloroethane	6.21	62	259564	46.602	ug/l	97
43) Isopropyl Acetate	6.46	43	494168	51.251	ug/l	97
44) Trichloroethene	7.21	130	193293	49.905	ug/l	93
45) 1,2-Dichloropropane	7.52	63	192745	49.885	ug/l	98
46) Dibromomethane	7.66	93	124100	51.107	ug/l	98
47) Bromodichloromethane	7.90	83	233307	51.318	ug/l	99
48) Methyl methacrylate	7.77	41	244844	55.947	ug/l	94
49) 1,4-Dioxane	7.75	88	96040	883.318	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1620202	266.872	ug/l	96
52) Toluene	8.79	92	442658	51.130	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	252185	49.087	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	267513	49.713	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	185393	48.887	ug/l	98
56) Ethyl methacrylate	9.18	69	302844	49.258	ug/l	95
57) 1,3-Dichloropropane	9.37	76	314011	49.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.26	63	2682	15.016	ug/l #	45
59) 2-Hexanone	9.50	43	1264357	249.915	ug/l	95
60) Dibromochloromethane	9.59	129	190144	50.136	ug/l	100
61) 1,2-Dibromoethane	9.68	107	193153	47.559	ug/l	98
64) Tetrachloroethene	9.34	164	174569	44.313	ug/l	97
65) Chlorobenzene	10.14	112	493290	48.061	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	178679	49.519	ug/l	99
67) Ethyl Benzene	10.26	91	837760	51.412	ug/l	98
68) m/p-Xylenes	10.36	106	646455	101.522	ug/l	96
69) o-Xylene	10.70	106	320382	54.779	ug/l	98
70) Styrene	10.71	104	533929	48.862	ug/l	98
71) Bromoform	10.86	173	154981	50.169	ug/l	100
73) Isopropylbenzene	11.02	105	859373	57.688	ug/l	100
74) N-amyl acetate	10.90	43	434443	52.951	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	295914	48.798	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	272236m	51.391	ug/l	
77) Bromobenzene	11.26	156	227973	52.687	ug/l	98
78) n-propylbenzene	11.36	91	956529	55.962	ug/l	100
79) 2-Chlorotoluene	11.42	91	571024	53.597	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	699523	51.238	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	75387	39.259	ug/l	98
82) 4-Chlorotoluene	11.51	91	666746	53.168	ug/l	100
83) tert-Butylbenzene	11.77	119	703309	57.342	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	727083	51.644	ug/l	99
85) sec-Butylbenzene	11.94	105	864415	57.861	ug/l	100
86) p-Isopropyltoluene	12.07	119	734014	54.230	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	407314	50.412	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	413318	49.555	ug/l	99
89) n-Butylbenzene	12.39	91	663900	54.008	ug/l	97
90) Hexachloroethane	12.60	117	117574	52.172	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	414584	49.100	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	71211	53.483	ug/l	97

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MSVOA_X
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T11-MW-4-9.0-092018MSD

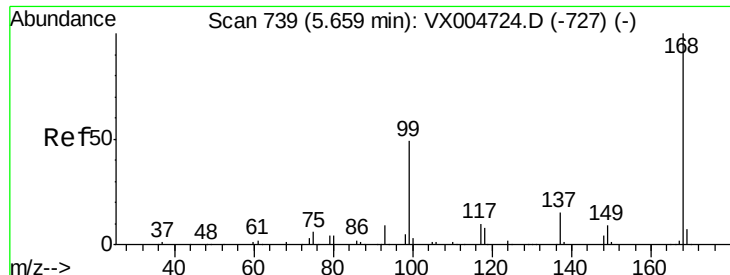
Manual Integrations
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9/27/2018 12:51:14 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	313234	52.884	ug/l	97
94) Hexachlorobutadiene	13.79	225	134381	43.752	ug/l	97
95) Naphthalene	13.83	128	1042974	53.009	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	319680	52.247	ug/l	98

(#) = 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. 0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:168 Resp: 282666

Ion Ratio Lower Upper

168 100

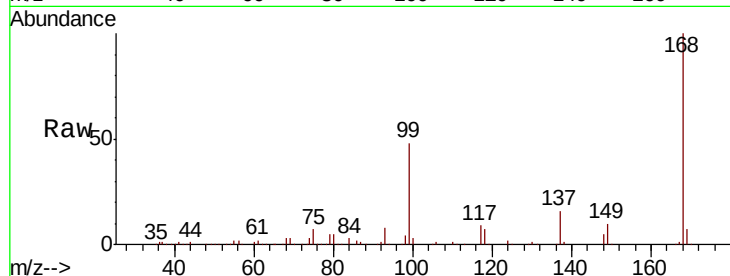
99 47.6 39.9 59.9

Manual Integrations

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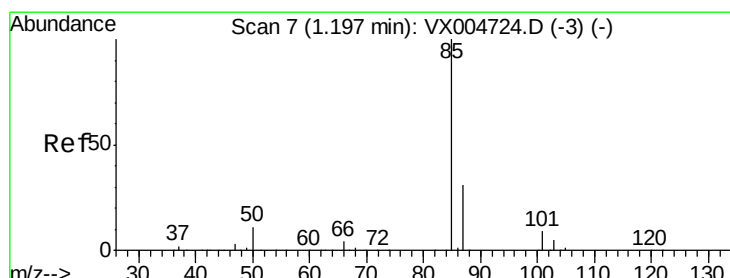
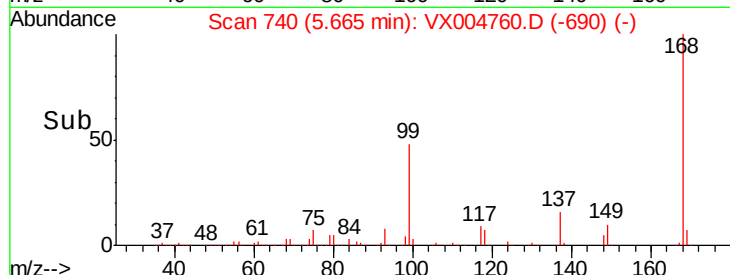
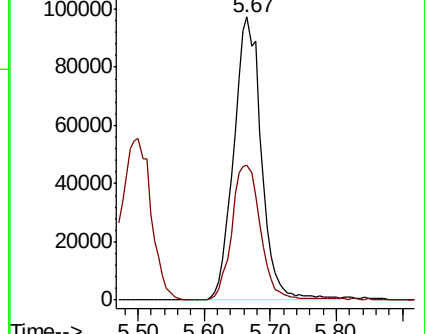
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.768 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004760.D

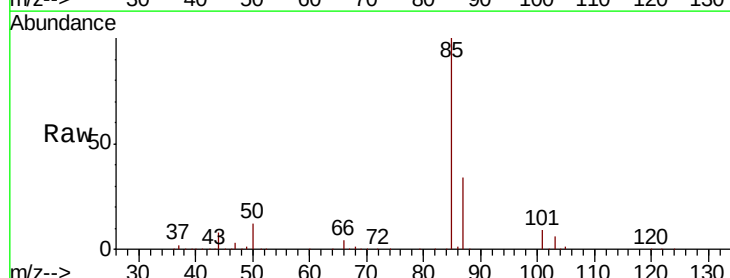
Acq: 27 Sep 2018 08:12

Tgt Ion: 85 Resp: 176392

Ion Ratio Lower Upper

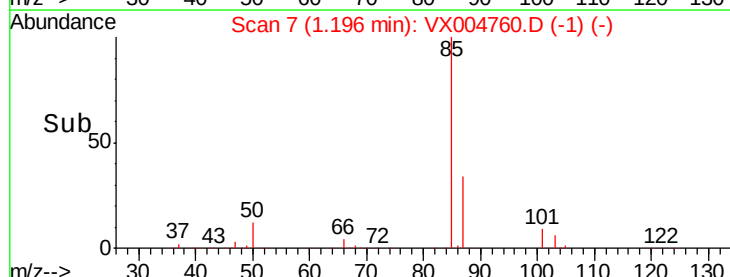
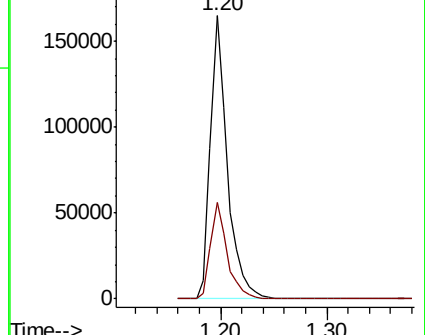
85 100

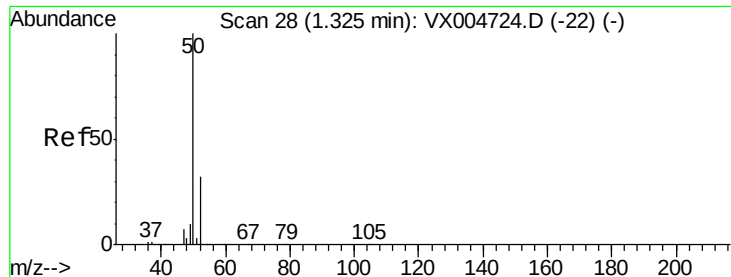
87 34.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.572 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 50 Resp: 222440

Ion Ratio Lower Upper

50 100

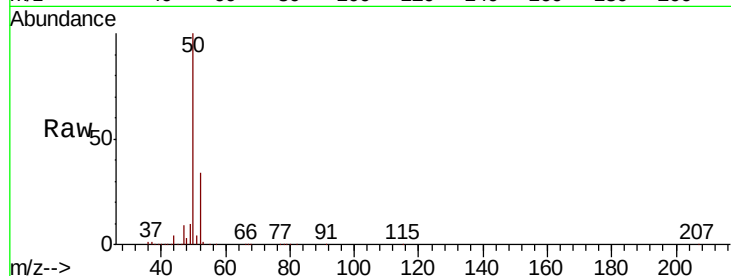
52 34.0 26.2 39.2

Manual Integrations

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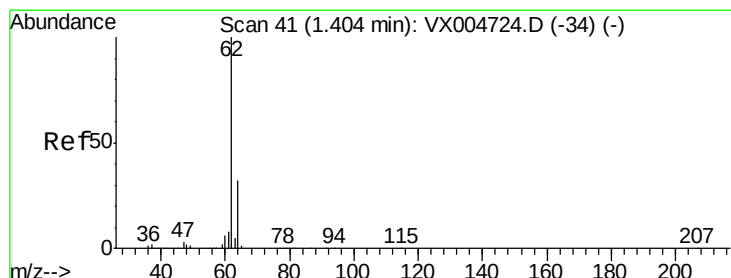
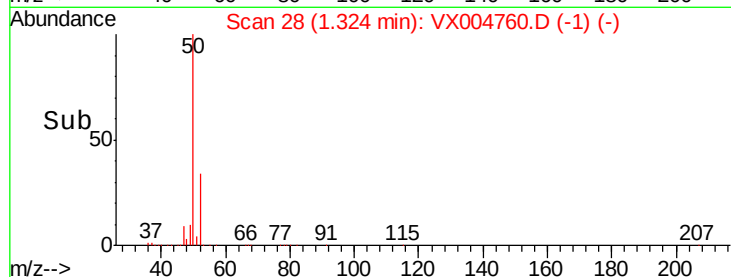
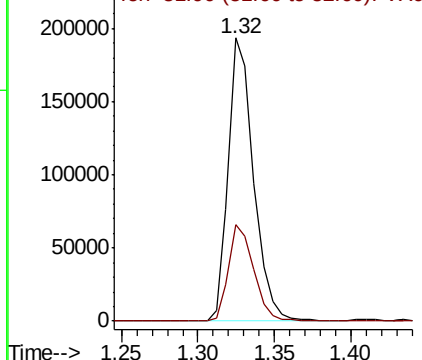
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 54.709 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004760.D

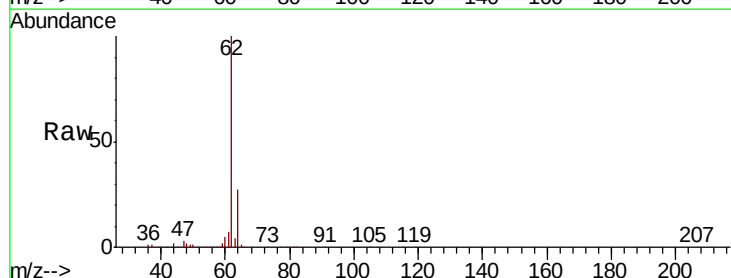
Acq: 27 Sep 2018 08:12

Tgt Ion: 62 Resp: 239931

Ion Ratio Lower Upper

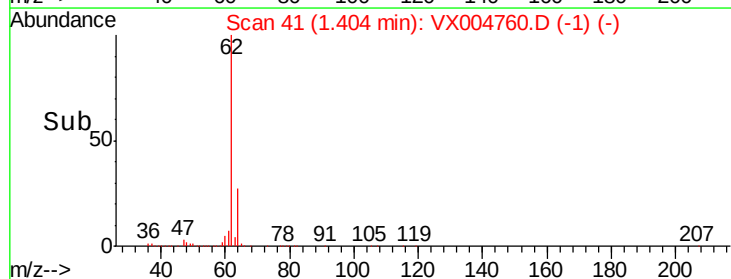
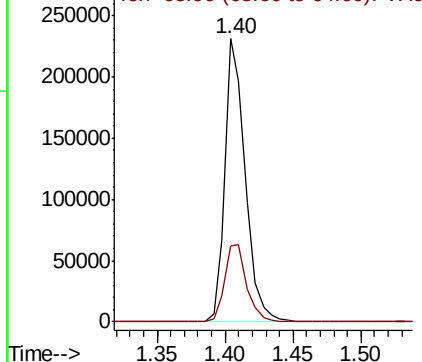
62 100

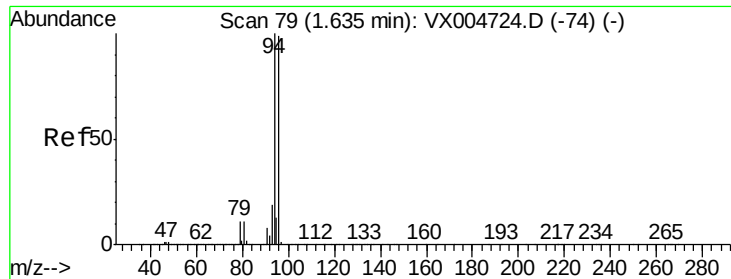
64 26.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.045 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 94 Resp: 101540

Ion Ratio Lower Upper

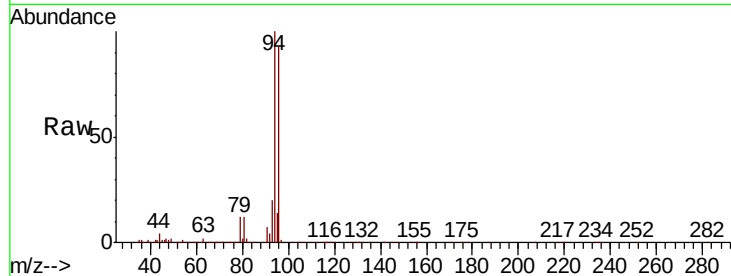
94 100

96 93.0 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

60000

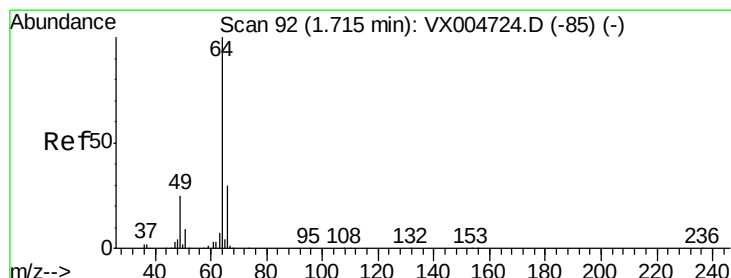
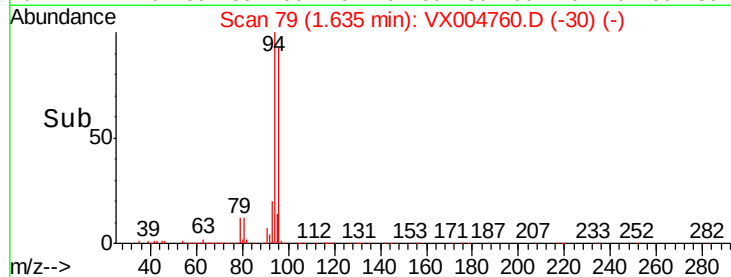
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 58.024 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004760.D

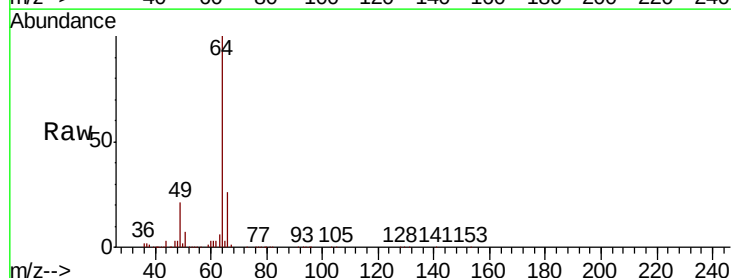
Acq: 27 Sep 2018 08:12

Tgt Ion: 64 Resp: 137785

Ion Ratio Lower Upper

64 100

66 26.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

120000

100000

80000

60000

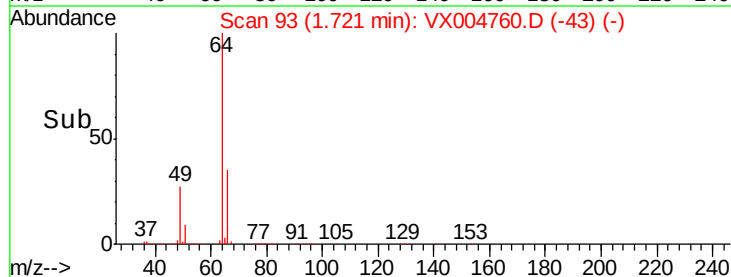
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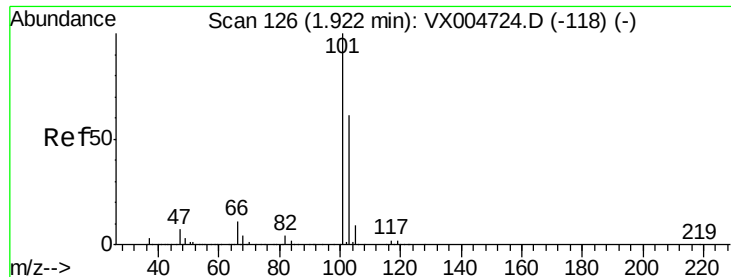
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0

1.65 1.70 1.75 1.80 1.85

Time-->





#7

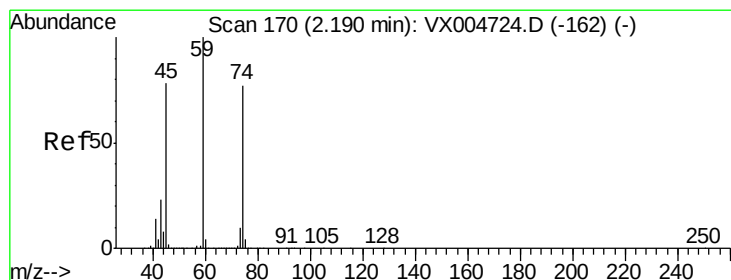
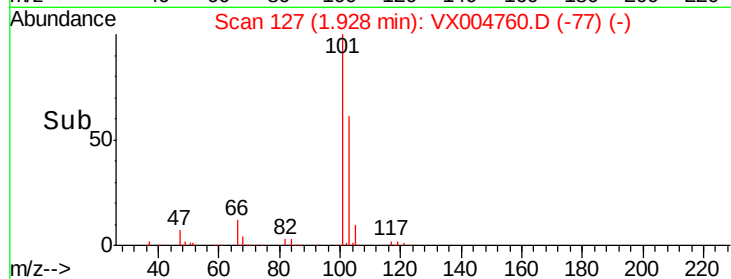
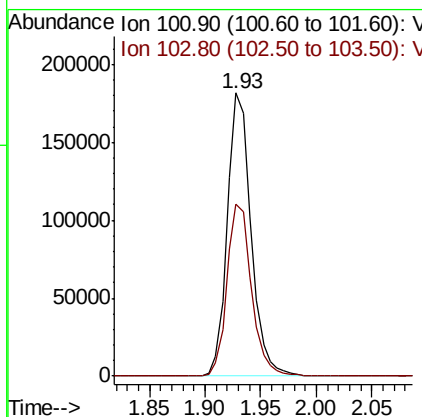
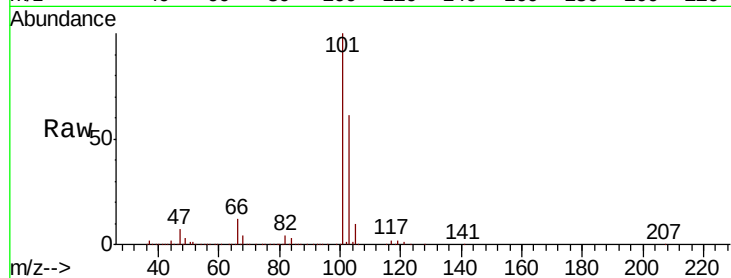
Trichlorofluoromethane
Concen: 49.485 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	268666		
103	61.0	48.9	73.3	

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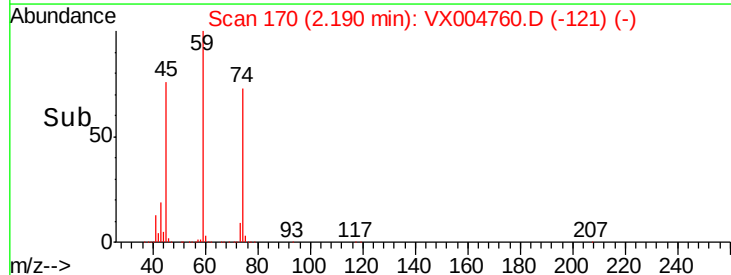
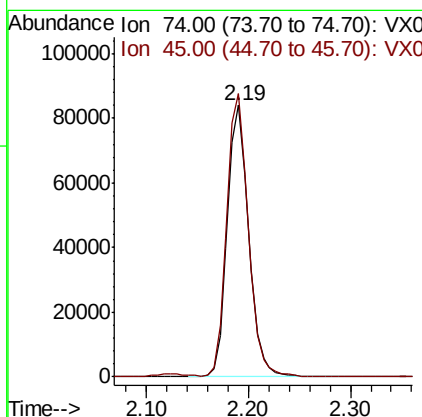
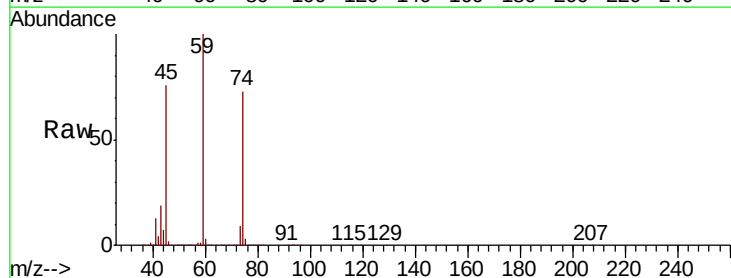
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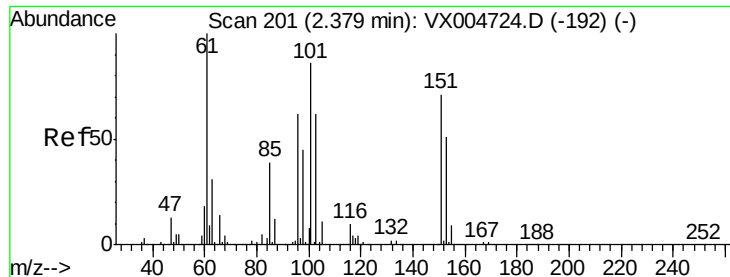


#8

Diethyl Ether
Concen: 51.798 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	122172		
45	103.8	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.984 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

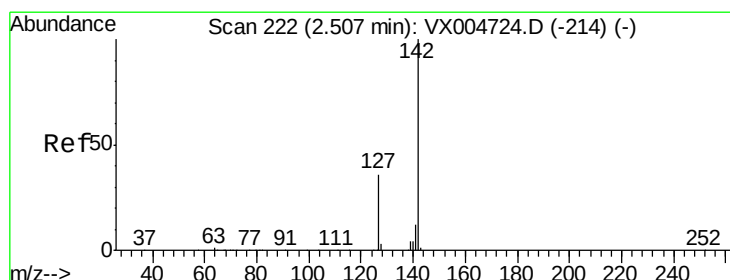
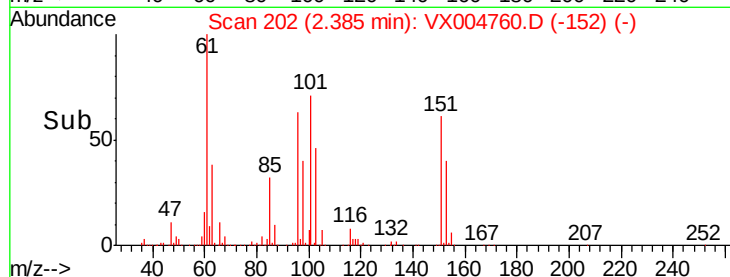
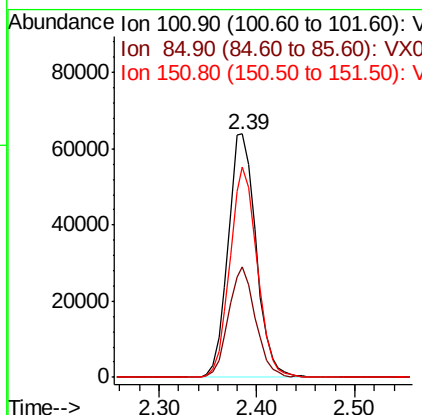
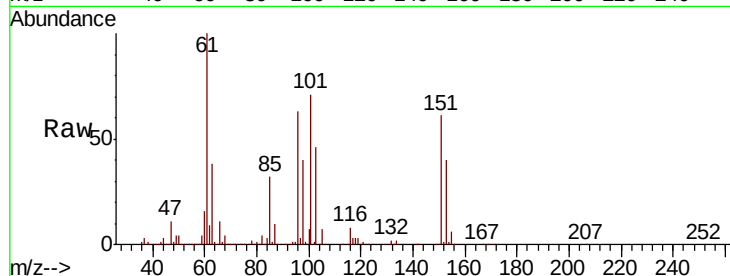
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	101	Resp:	126749
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.2	51.4
151	84.1	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 30.875 ug/l

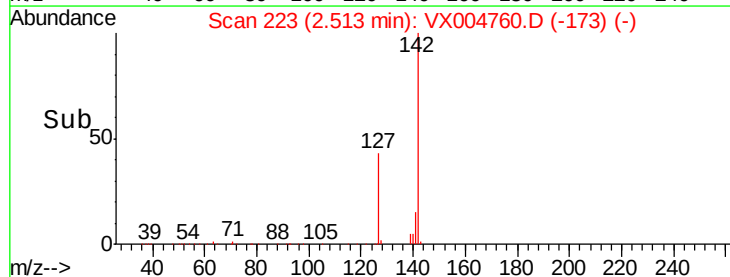
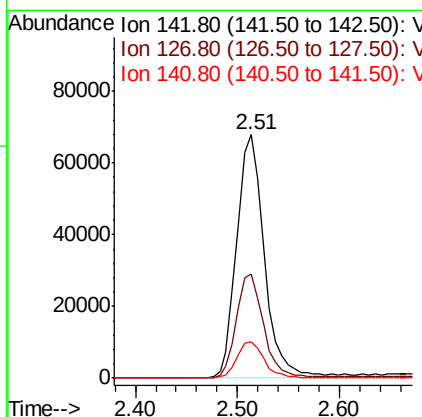
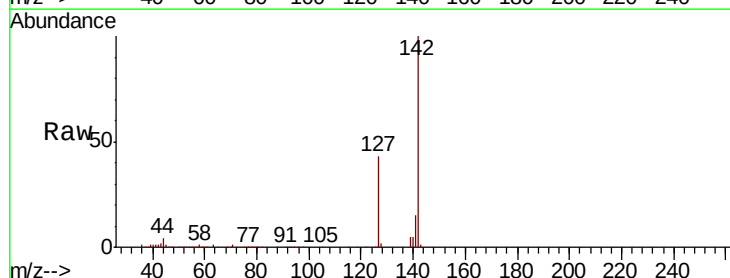
RT: 2.51 min Scan# 223

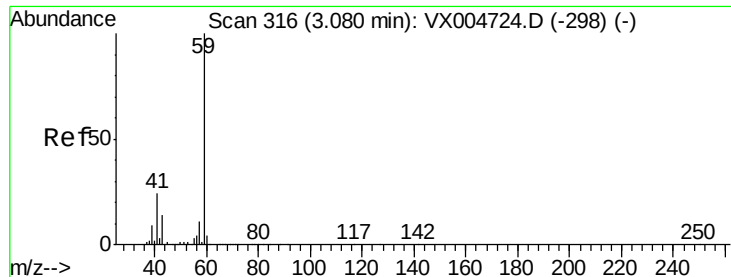
Delta R.T. 0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	142	Resp:	127776
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.8	50.6
141	14.7	11.4	17.0





#11

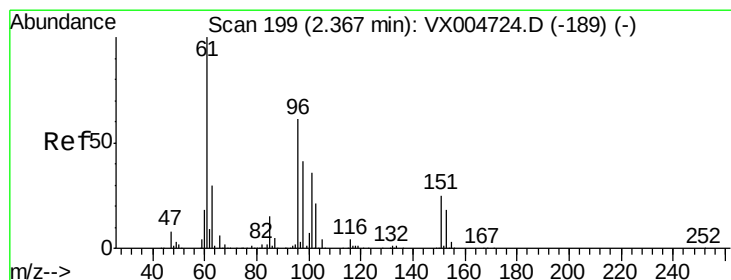
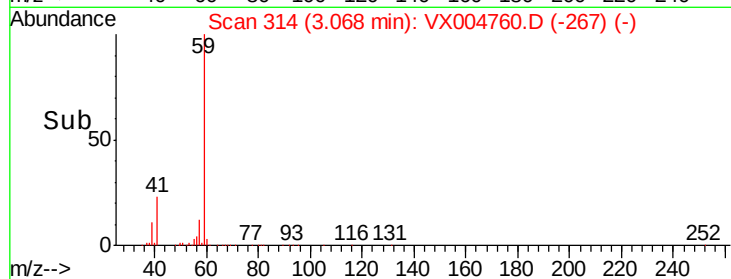
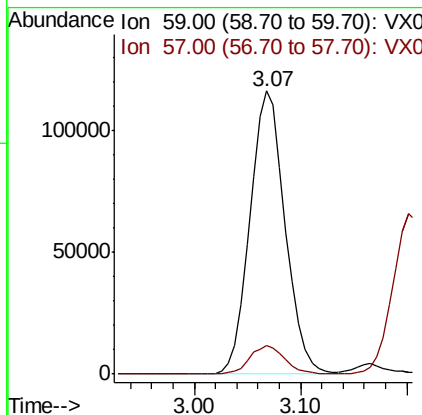
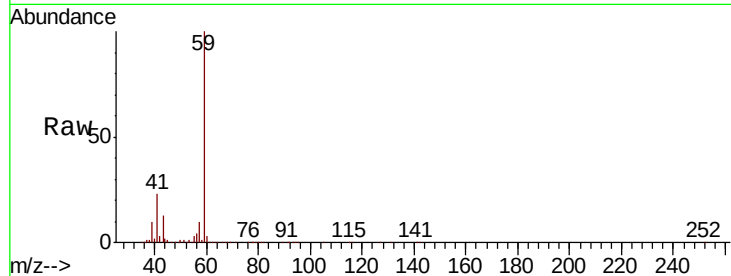
Tert butyl alcohol
Concen: 238.237 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

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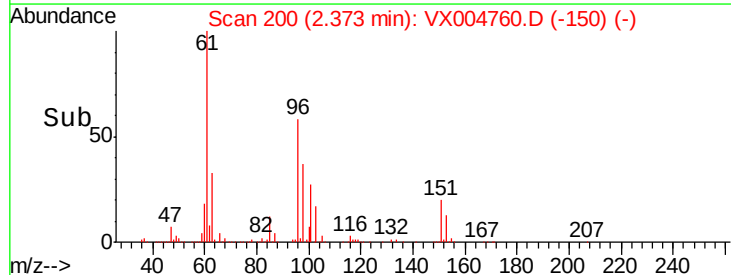
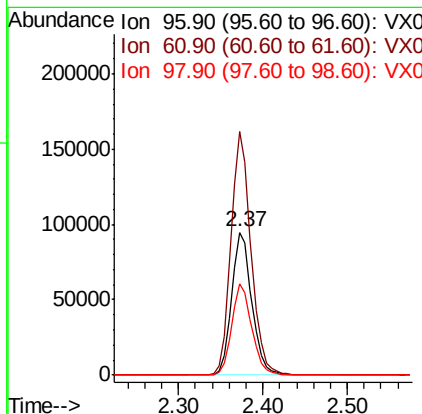
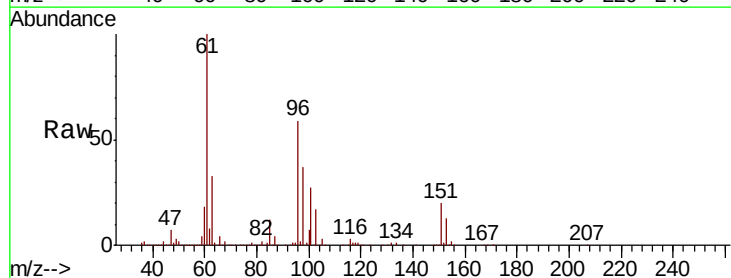
MMDadoda
9/27/2018 12:51:14 PM

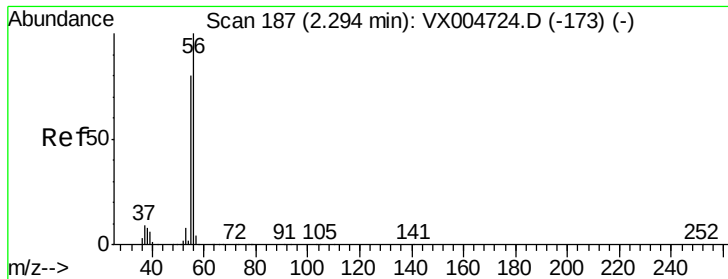


#12

1,1-Dichloroethene
Concen: 50.016 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.7	128.8	193.2
98	64.0	52.2	78.2





#13

Acrolein

Concen: 0.824 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 56 Resp: 662

Ion Ratio Lower Upper

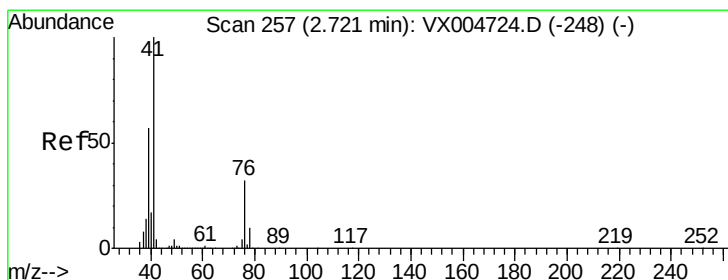
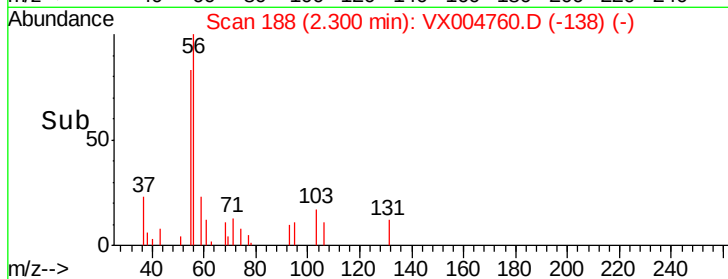
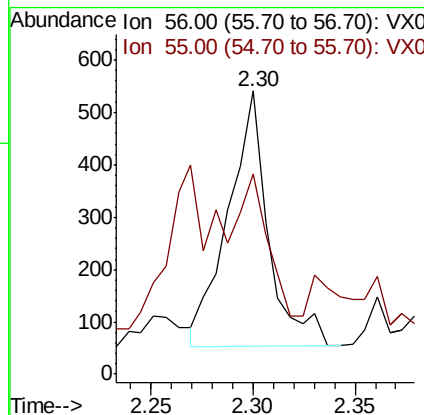
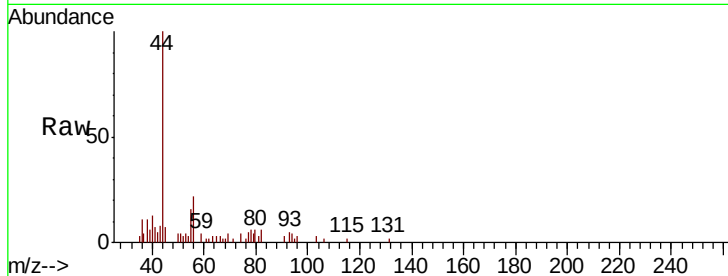
56 100

55 39.3 54.7 82.1#

Manual Integrations
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#14

Allyl chloride

Concen: 49.566 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

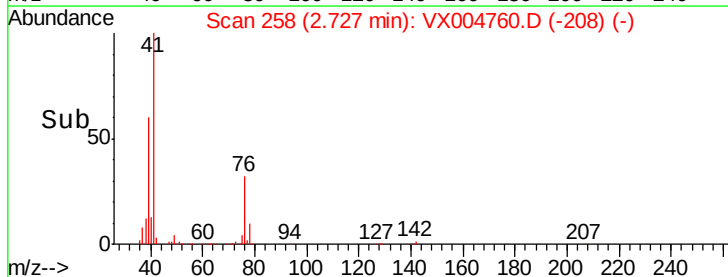
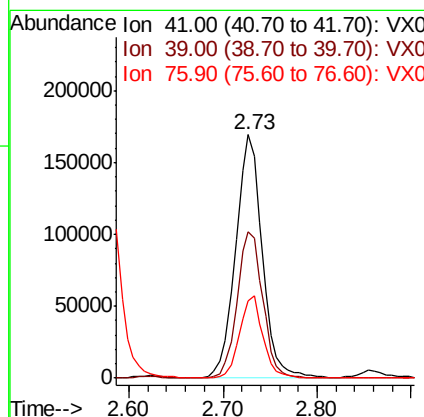
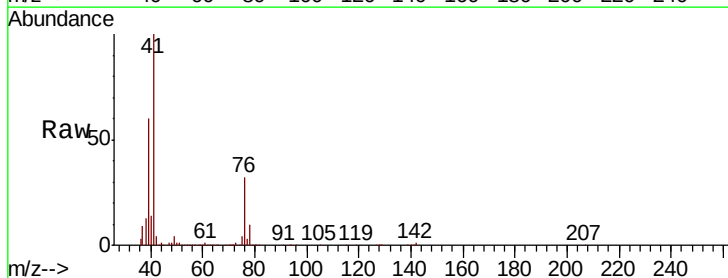
Tgt Ion: 41 Resp: 331233

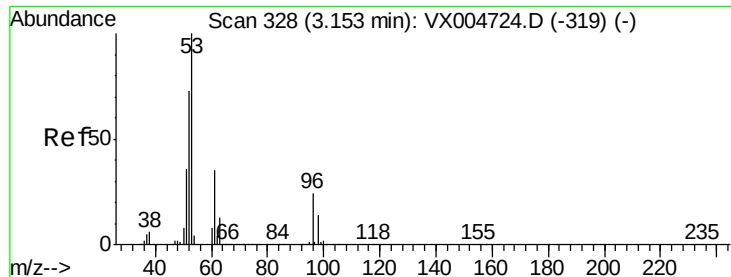
Ion Ratio Lower Upper

41 100

39 57.9 48.9 73.3

76 29.8 26.7 40.1





#15

Acrylonitrile

Concen: 255.229 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

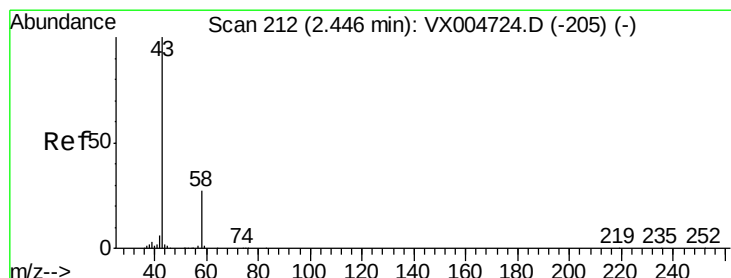
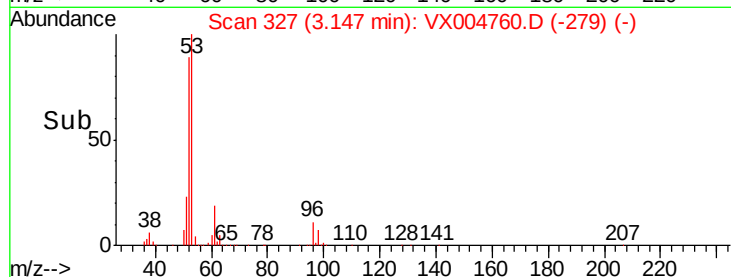
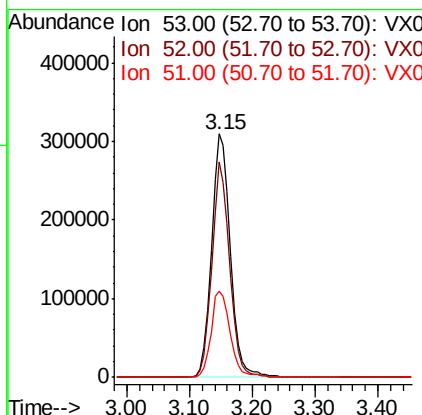
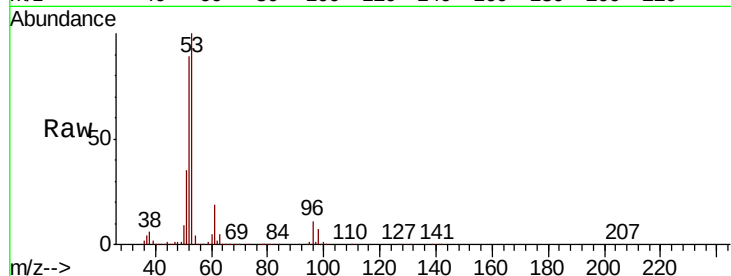
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	53	Resp:	634353
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.2	97.8
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 243.298 ug/l

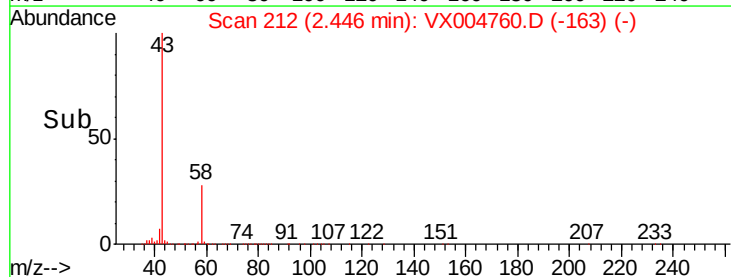
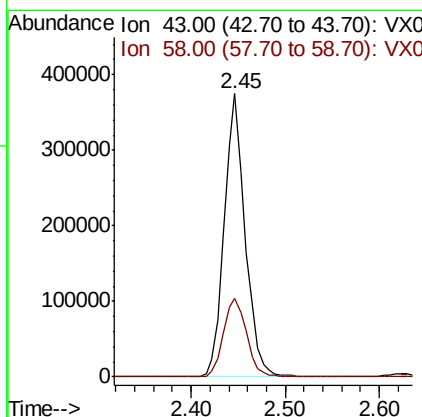
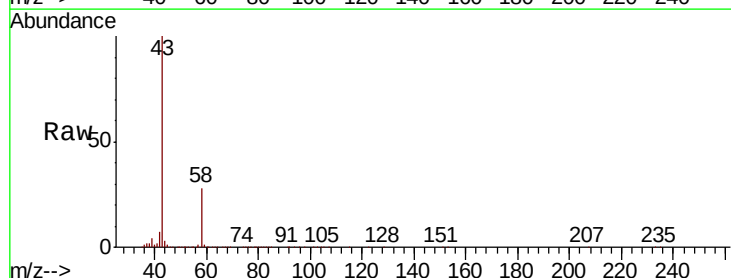
RT: 2.45 min Scan# 212

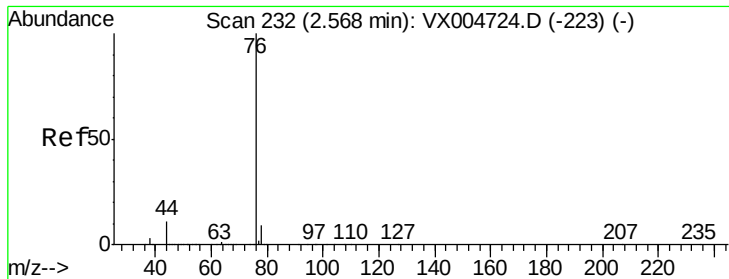
Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	43	Resp:	573549
Ion	Ratio	Lower	Upper
43	100		
58	28.0	26.2	39.4





#17

Carbon Disulfide

Concen: 51.506 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 76 Resp: 474021

Ion Ratio Lower Upper

76 100

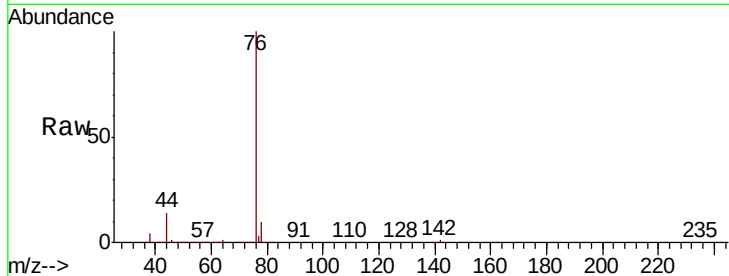
78 9.7 7.0 10.6

Manual Integrations

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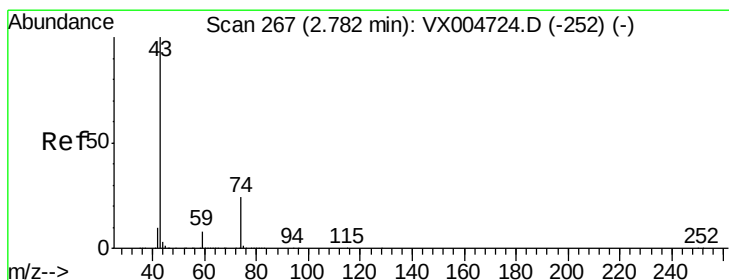
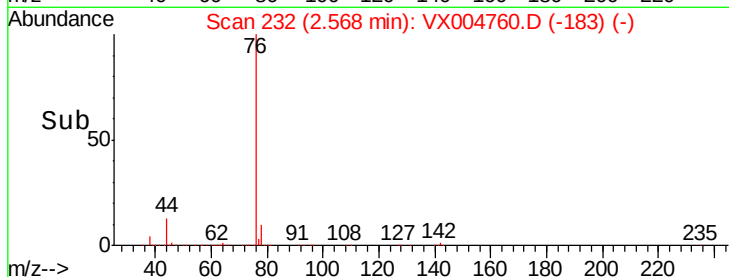
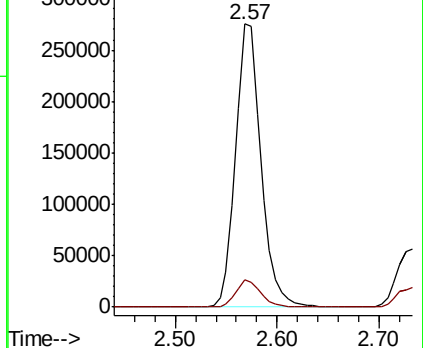
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.592 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX004760.D

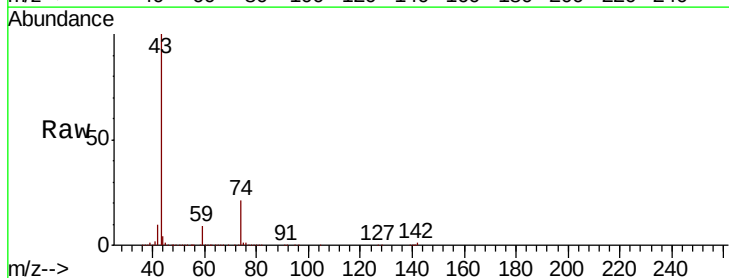
Acq: 27 Sep 2018 08:12

Tgt Ion: 43 Resp: 314116

Ion Ratio Lower Upper

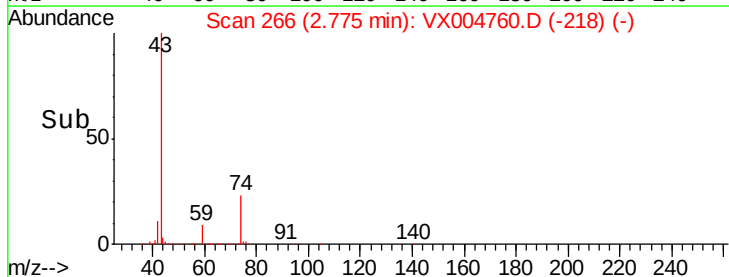
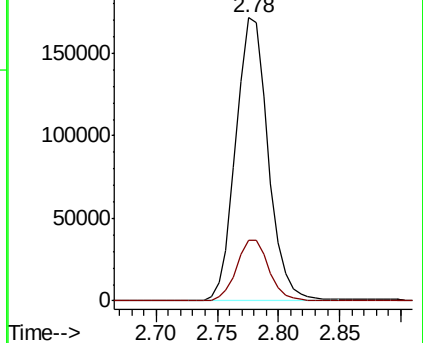
43 100

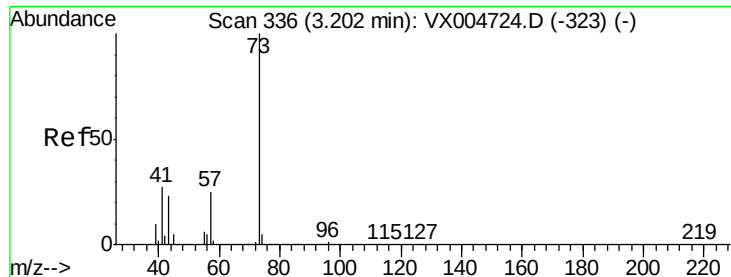
74 21.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





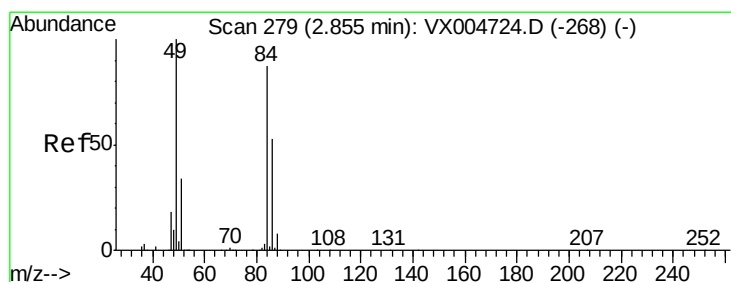
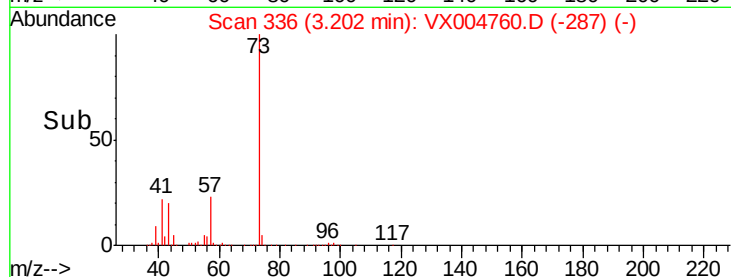
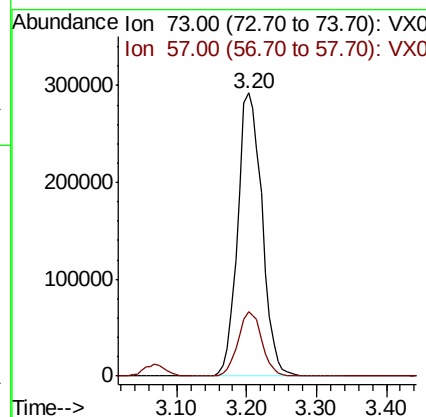
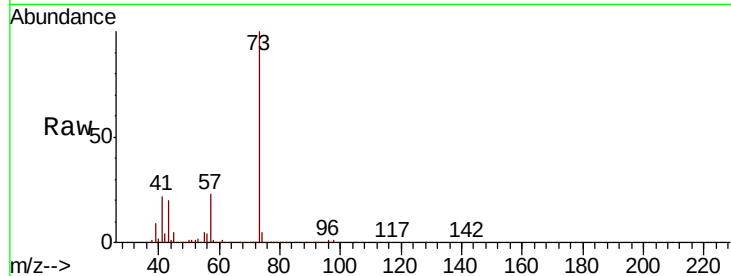
#19
Methyl tert-butyl Ether
Concen: 66.873 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.1	25.7

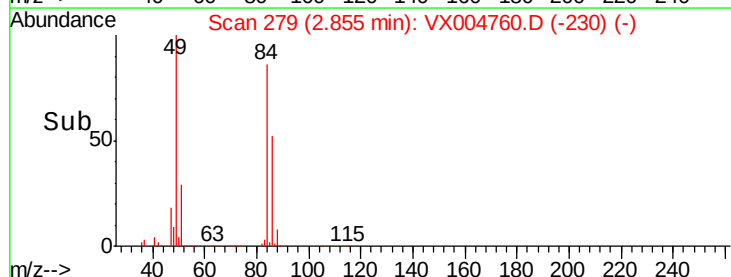
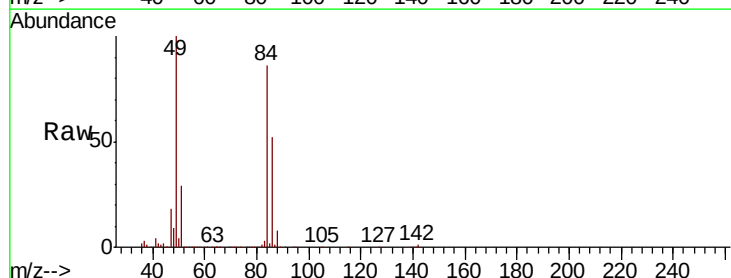
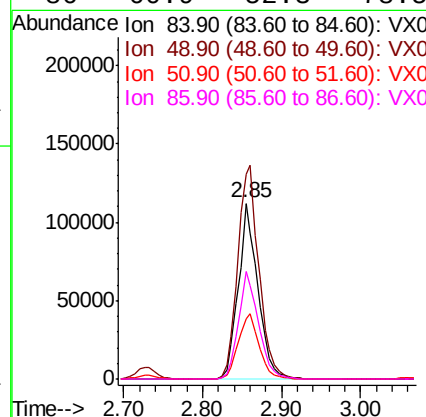
Manual Integrations
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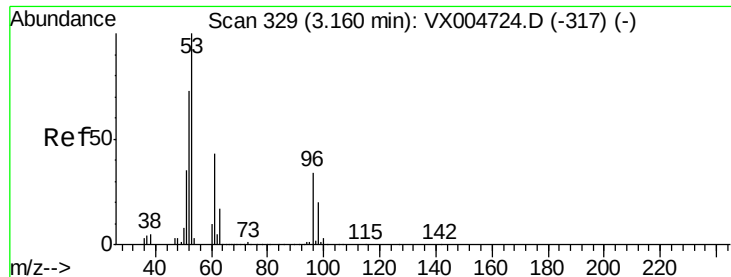
MMDadoda
9/27/2018 12:51:14 PM



#20
Methylene Chloride
Concen: 56.731 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	101.2	151.8
51	33.8	29.5	44.3
86	60.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 51.146 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

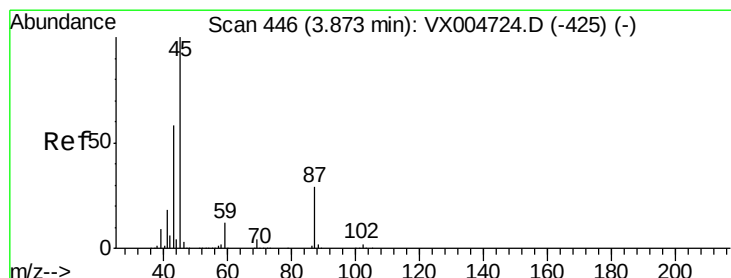
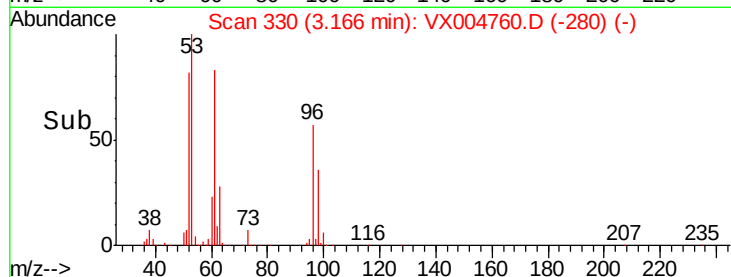
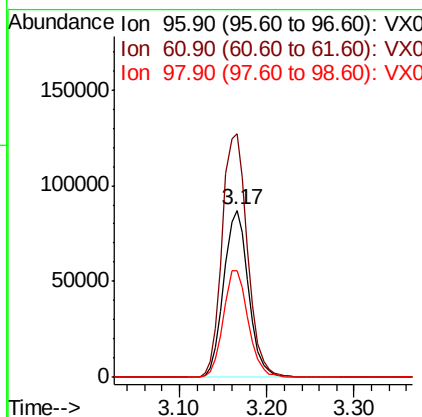
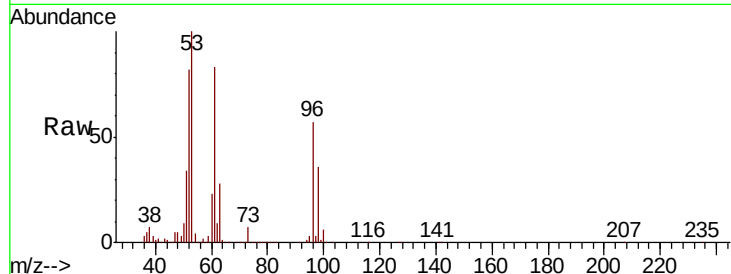
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	96	Resp:	171479
Ion	Ratio	Lower	Upper
96	100		
61	145.8	113.8	170.6
98	64.1	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.965 ug/l

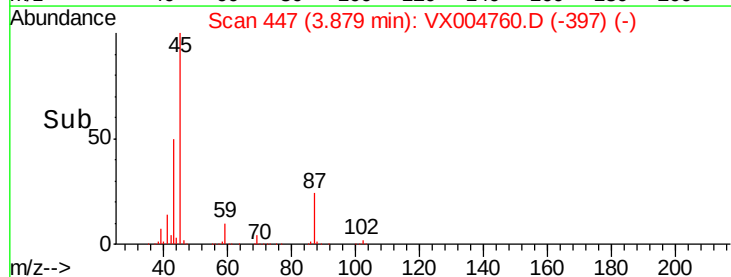
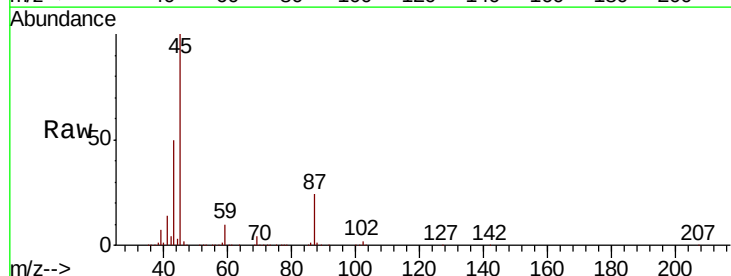
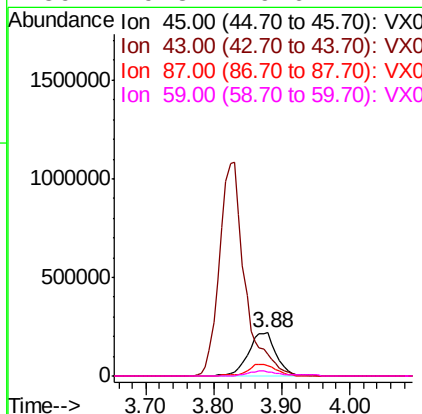
RT: 3.88 min Scan# 447

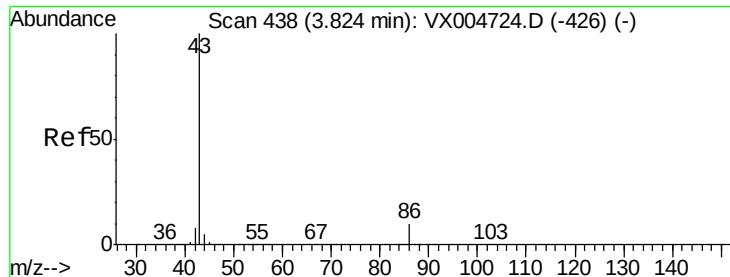
Delta R.T. 0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	45	Resp:	629780
Ion	Ratio	Lower	Upper
45	100		
43	50.2	42.8	64.2
87	23.9	22.6	34.0
59	9.8	9.6	14.4





#23

Vinyl Acetate

Concen: 274.337 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 43 Resp: 2825849

Ion Ratio Lower Upper

43 100

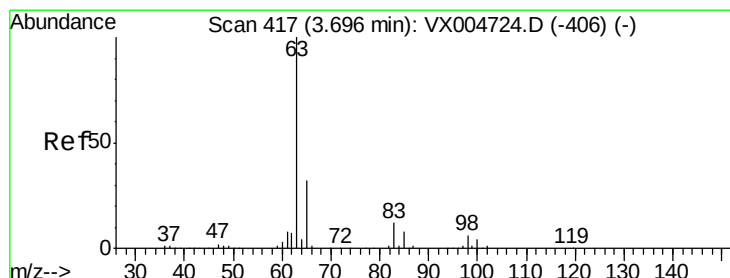
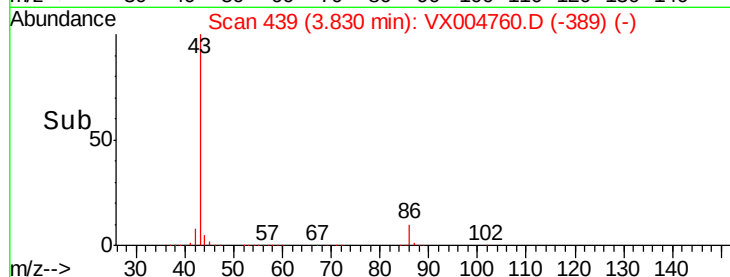
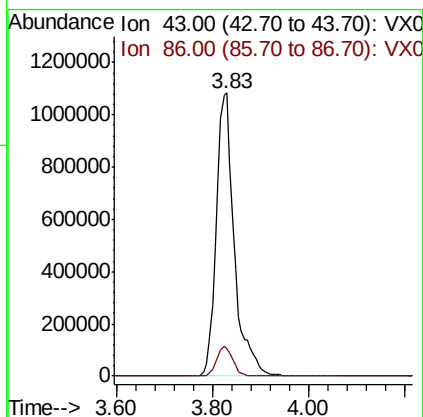
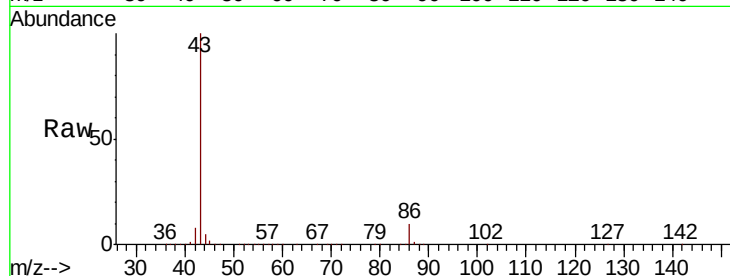
86 9.6 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.142 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

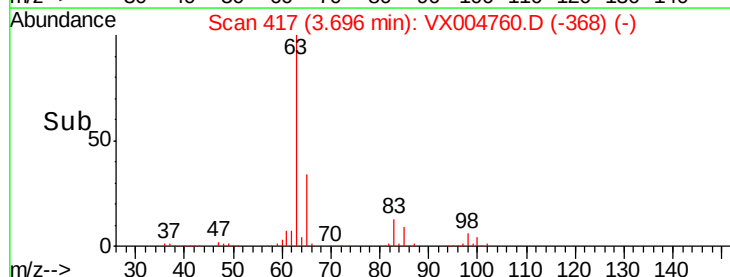
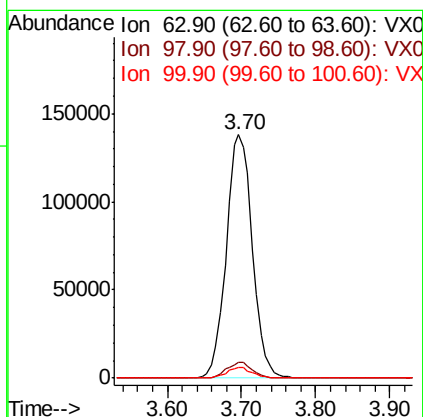
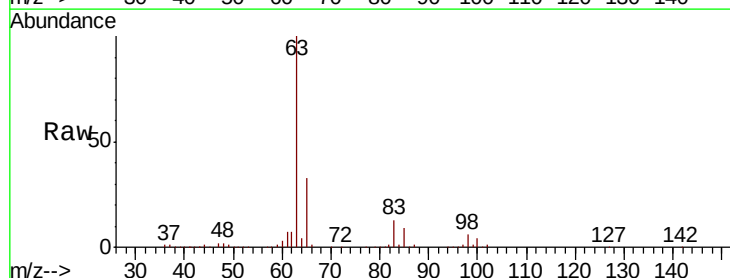
Tgt Ion: 63 Resp: 336587

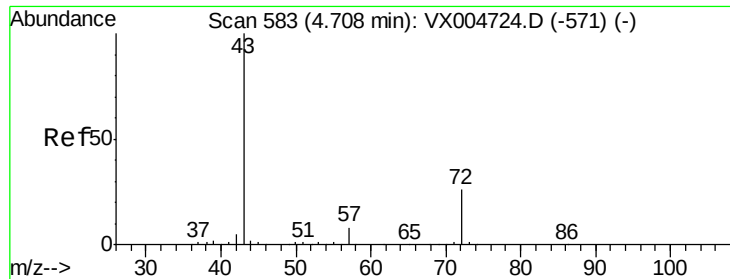
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 258.266 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 43 Resp: 897441

Ion Ratio Lower Upper

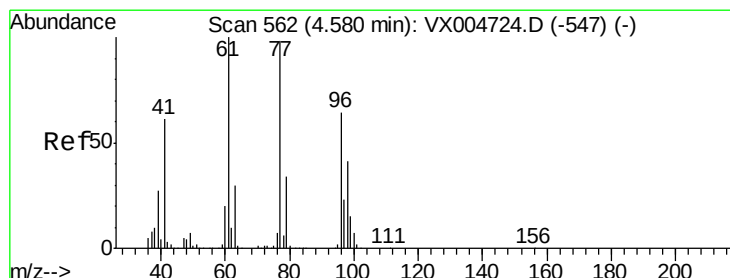
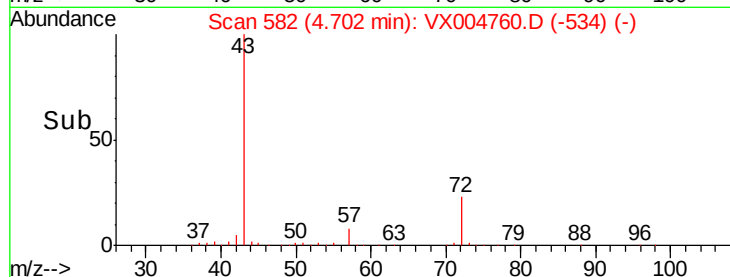
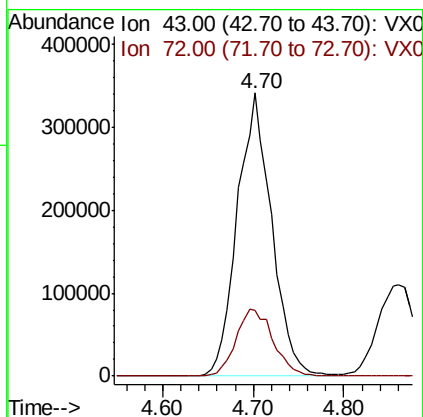
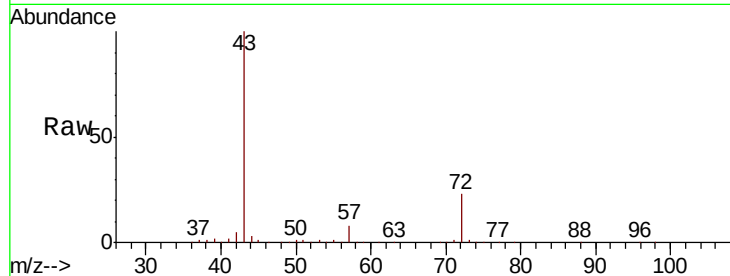
43 100

72 23.2 22.0 33.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 30.681 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX004760.D

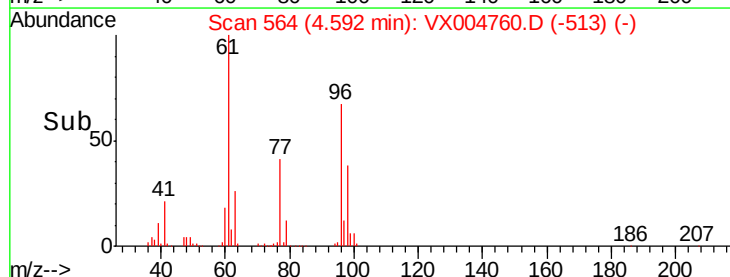
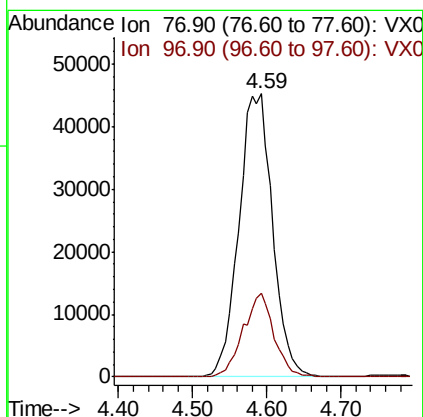
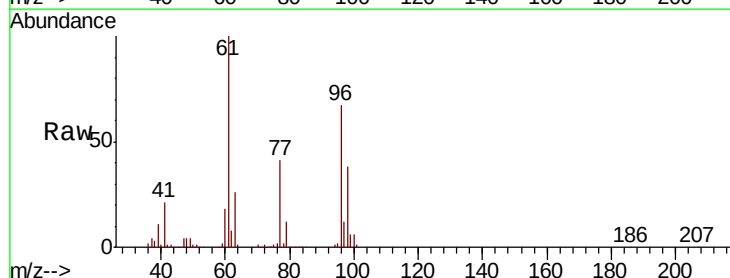
Acq: 27 Sep 2018 08:12

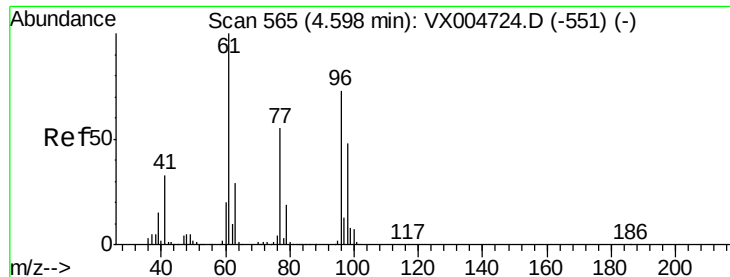
Tgt Ion: 77 Resp: 143414

Ion Ratio Lower Upper

77 100

97 26.9 11.7 35.0





#27

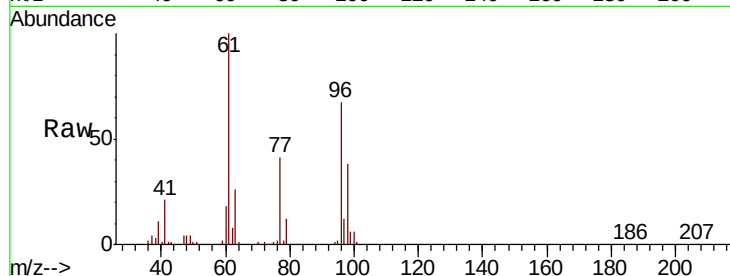
cis-1,2-Dichloroethene
 Concen: 55.626 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

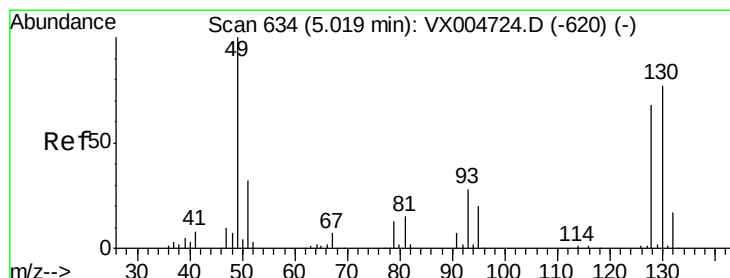
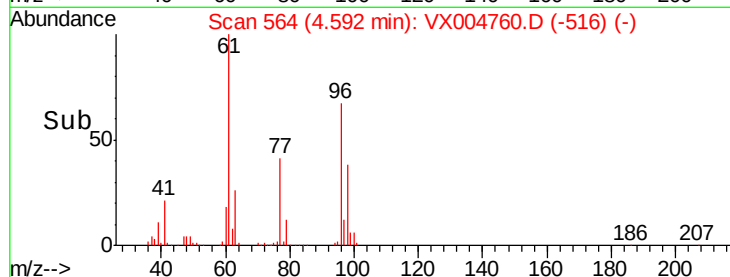
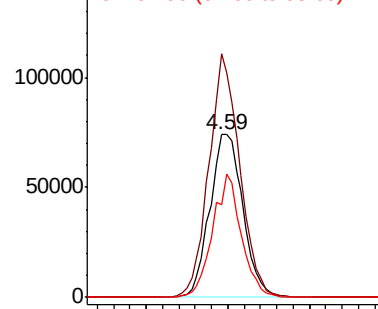
Tot Ion	Ratio	Resp	Lower	Upper
96	100	208346		
61	139.2	0.0	282.6	
98	65.5	0.0	130.2	

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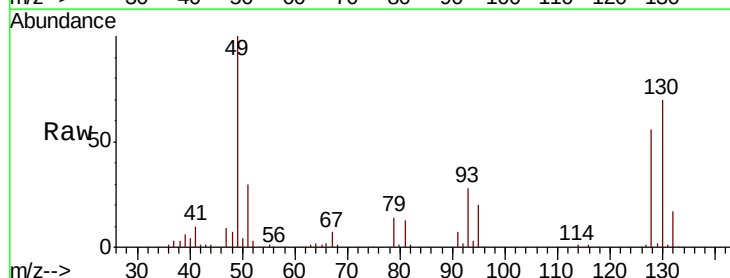
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



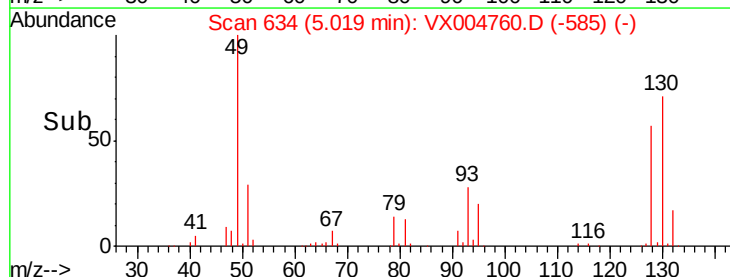
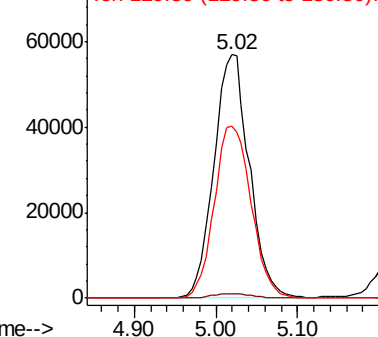
#28

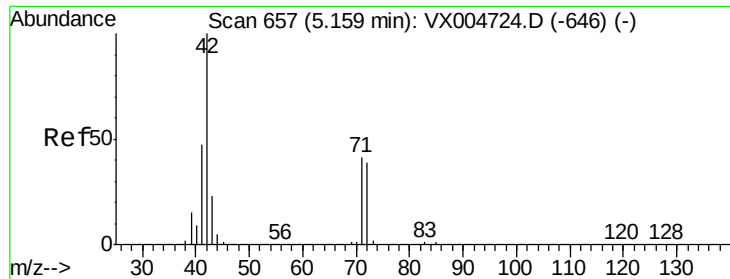
Bromochloromethane
 Concen: 54.414 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172004		
129	1.9	0.0	4.2	
130	73.5	67.5	101.3	



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





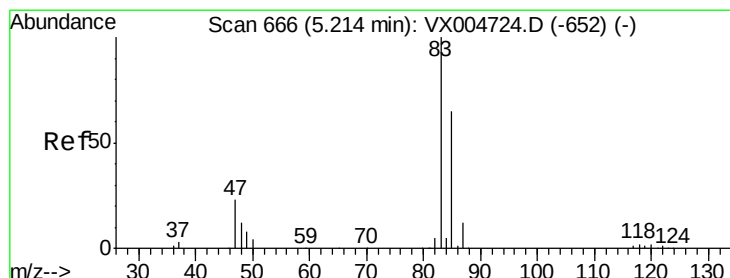
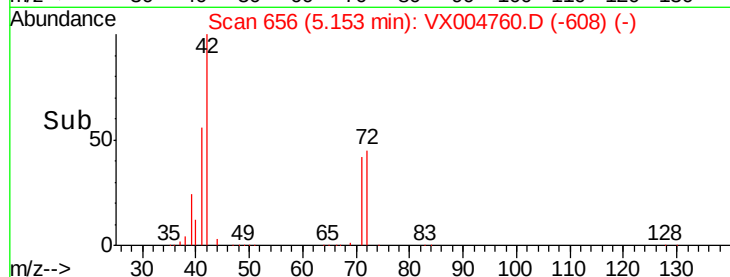
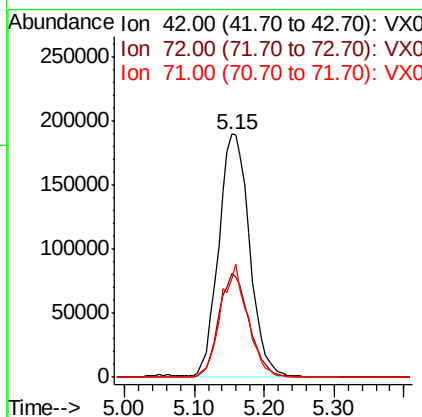
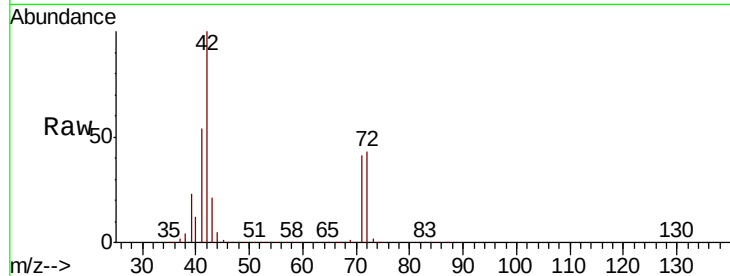
#29
Tetrahydrofuran
Concen: 268.872 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	37.4	56.0
71	41.0	34.5	51.7

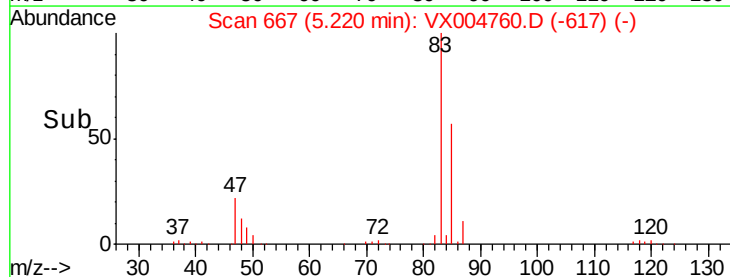
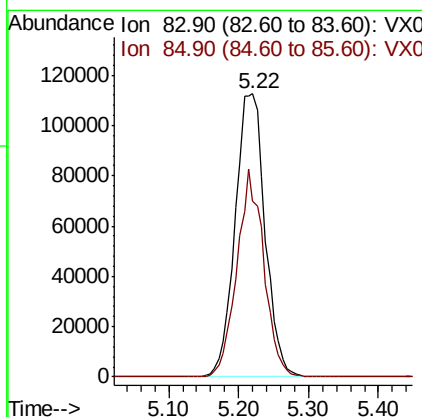
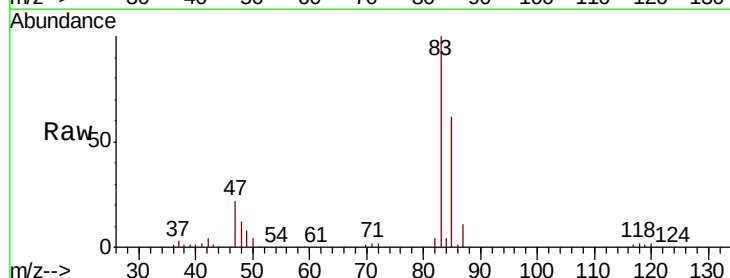
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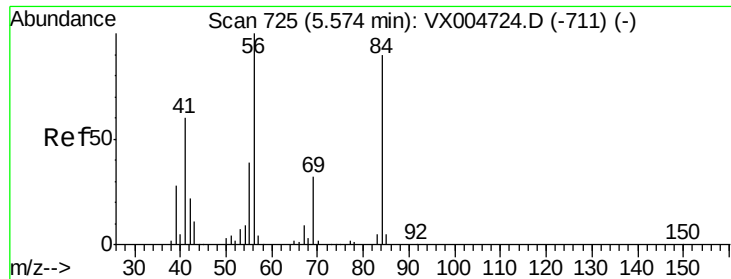
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#30
Chloroform
Concen: 52.803 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.6	79.0





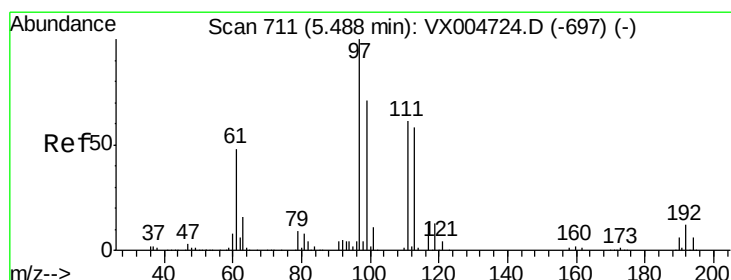
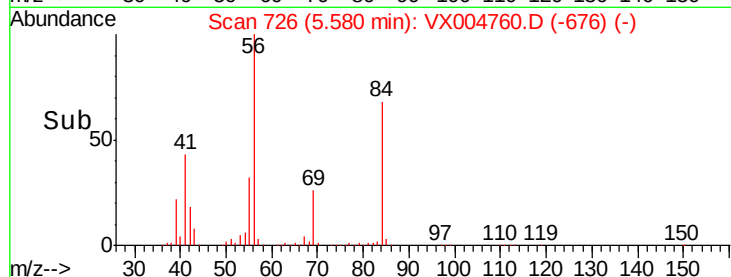
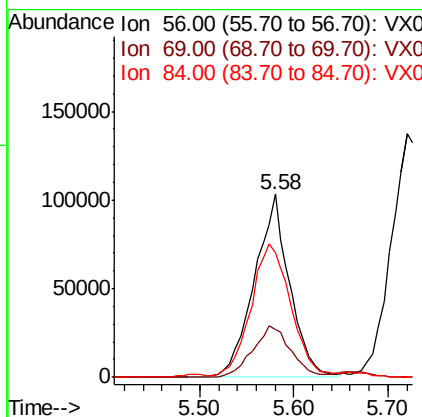
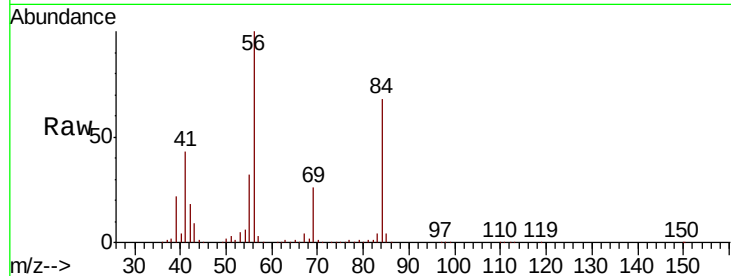
#31
Cyclohexane
Concen: 52.363 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.2	25.4	38.2
84	66.9	71.4	107.2#

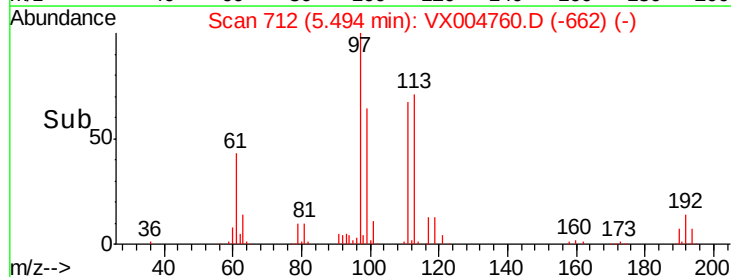
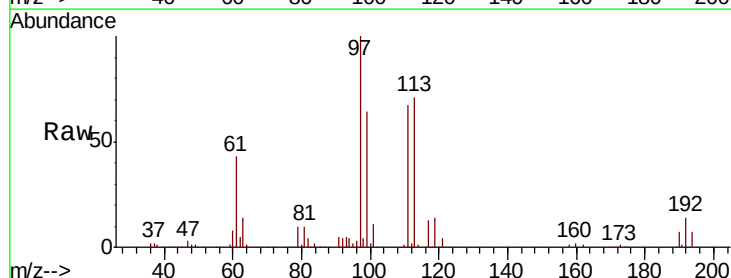
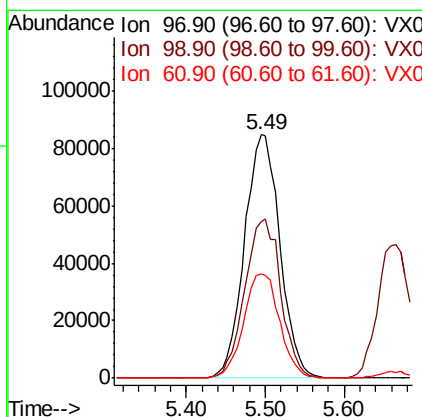
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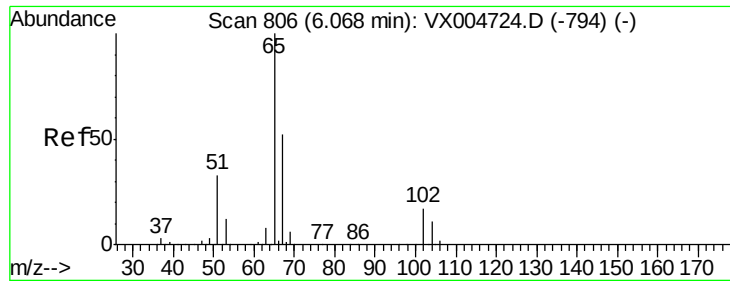
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#32
1,1,1-Trichloroethane
Concen: 51.167 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.0	78.0
61	43.5	34.9	52.3





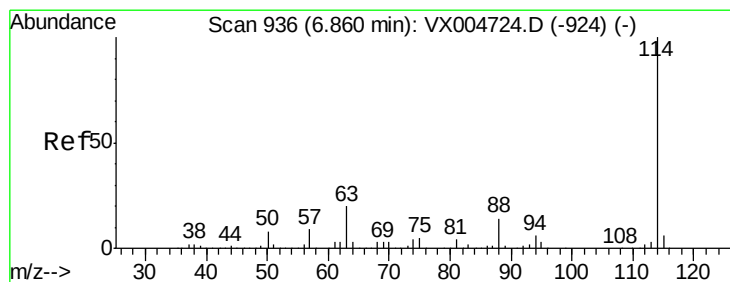
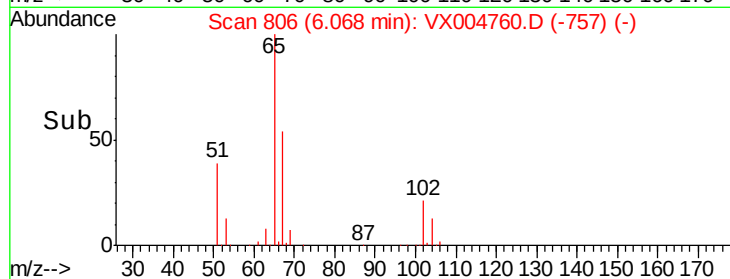
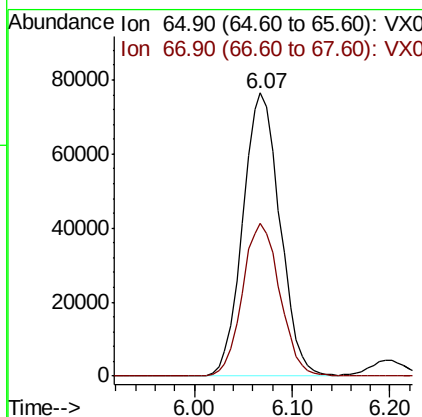
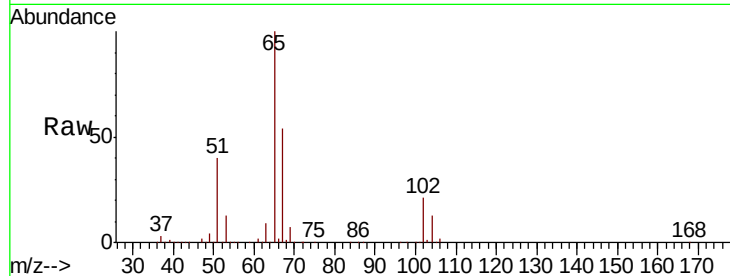
#33
 1,2-Dichloroethane-d4
 Concen: 49.889 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	106.8

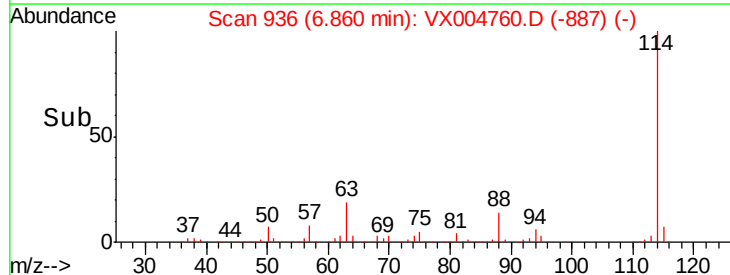
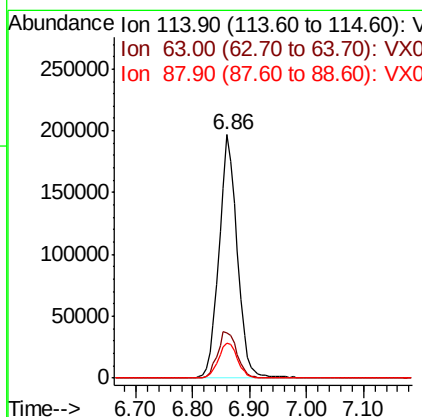
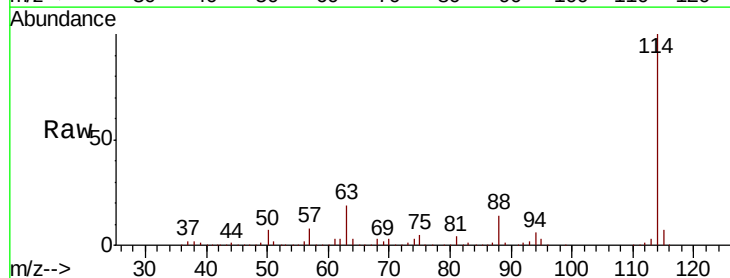
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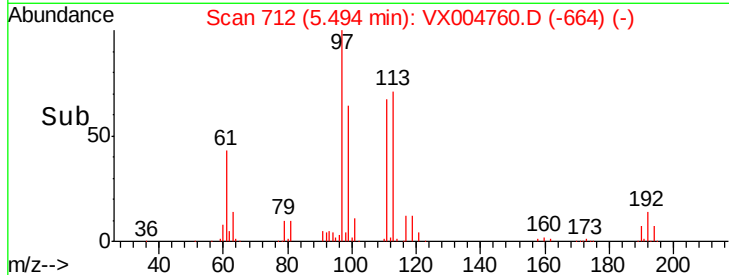
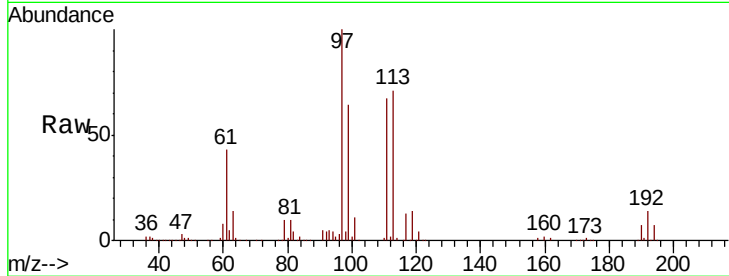
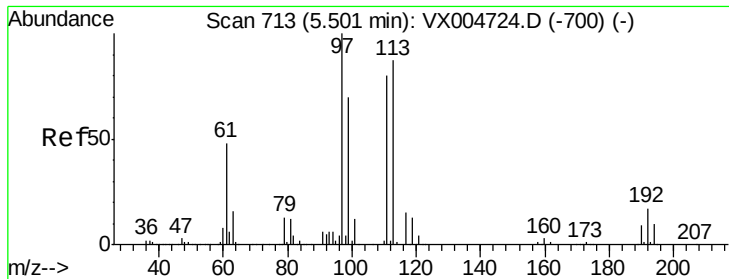
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.0
88	14.3	0.0	30.4





#35

Dibromofluoromethane

Concen: 46.727 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tot Ion:	113	Resp:	172359
Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.4	123.6
192	23.0	19.4	29.2

Instrument :

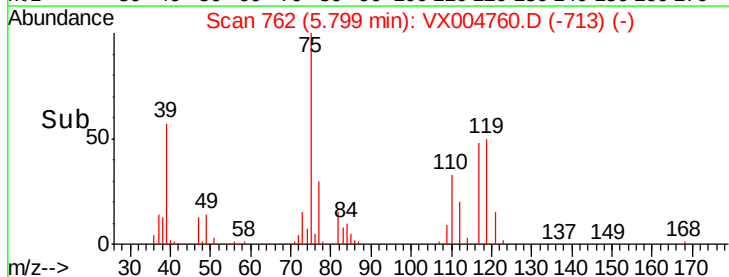
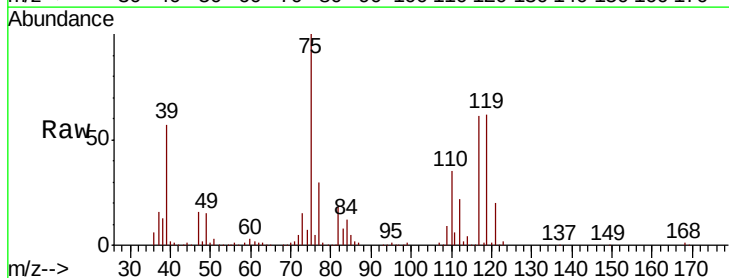
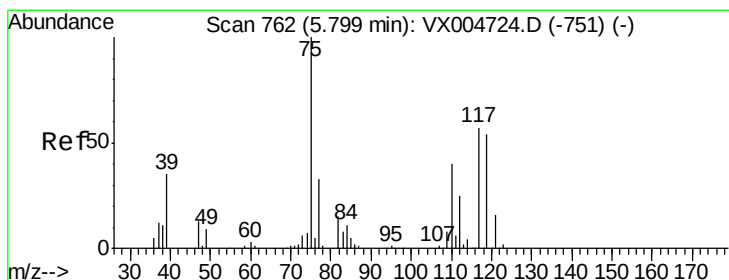
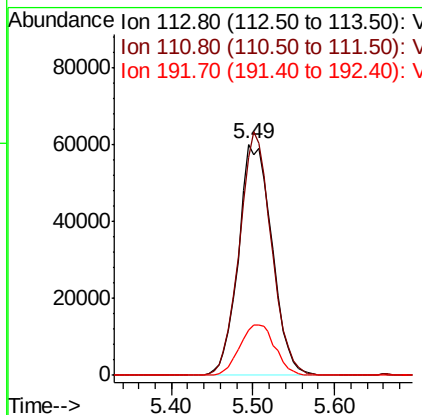
MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

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#36

1,1-Dichloropropene

Concen: 46.482 ug/l

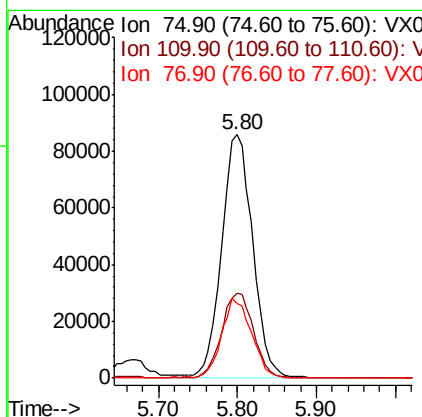
RT: 5.80 min Scan# 762

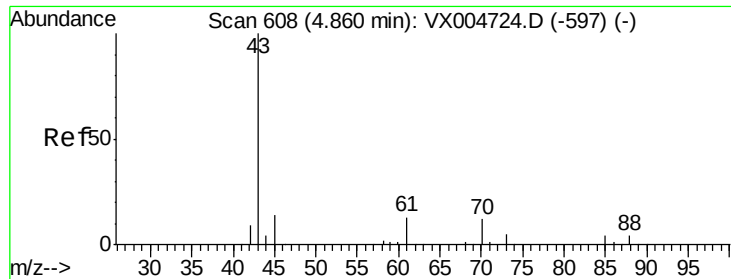
Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	75	Resp:	233928
Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.0	54.0
77	31.6	24.6	36.8





#37

Ethyl Acetate

Concen: 49.596 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

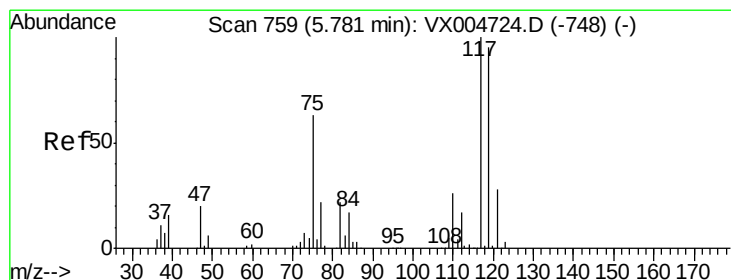
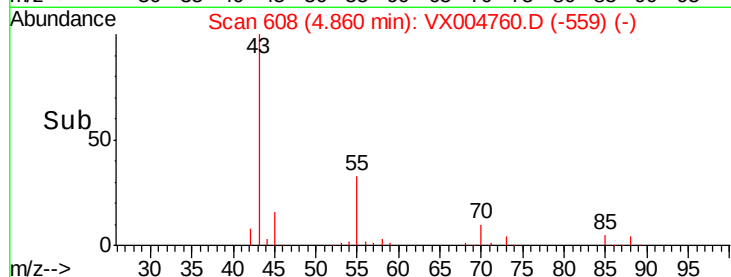
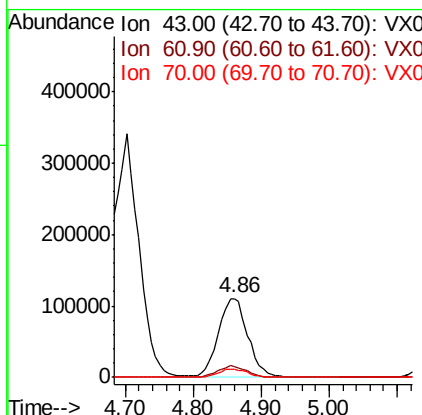
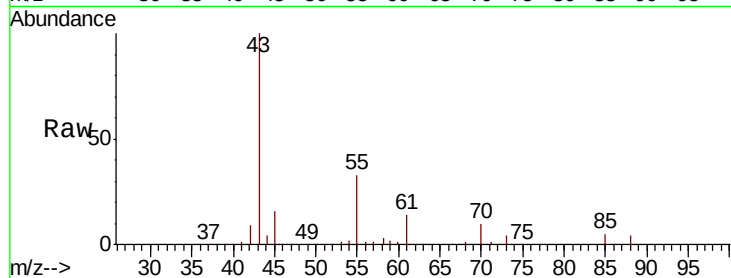
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	43	Resp:	331318
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	10.2	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 43.010 ug/l

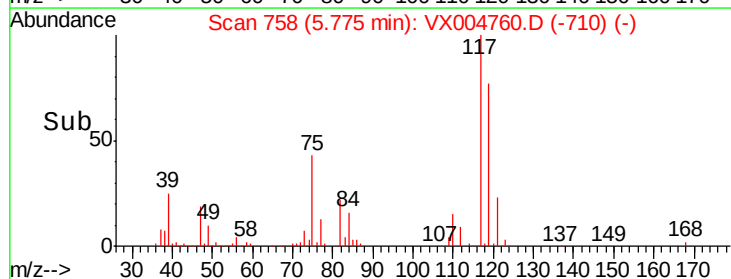
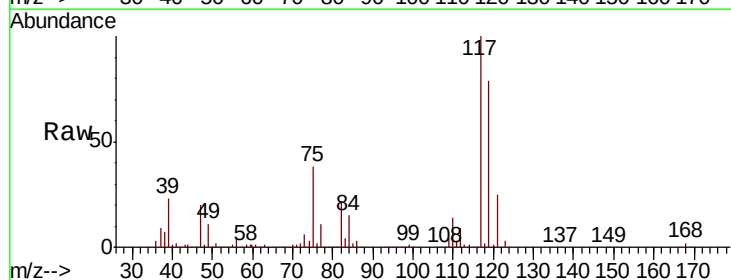
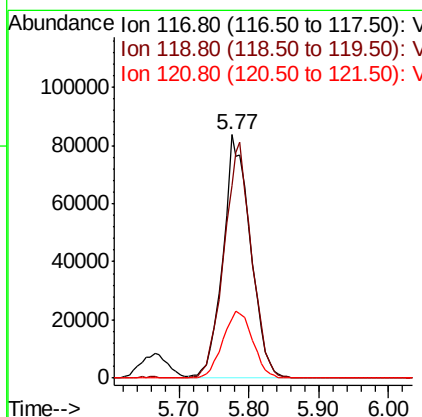
RT: 5.77 min Scan# 759

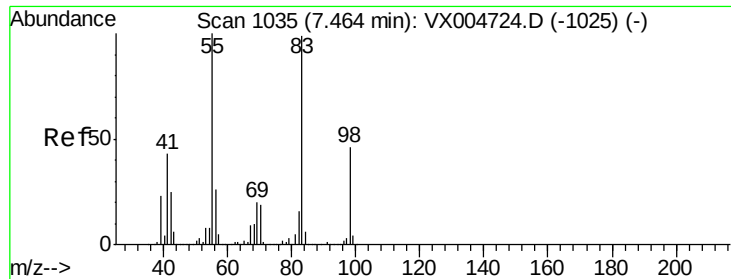
Delta R.T. -0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	117	Resp:	227534
Ion	Ratio	Lower	Upper
117	100		
119	79.0	78.8	118.2
121	24.5	24.9	37.3#





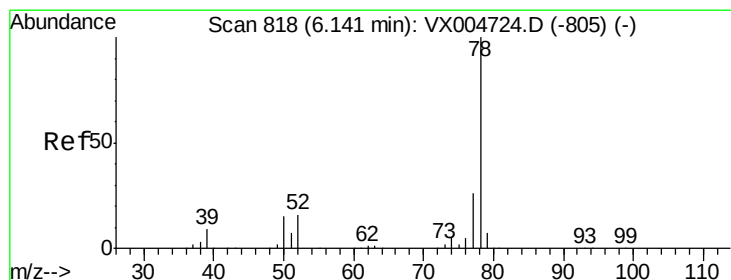
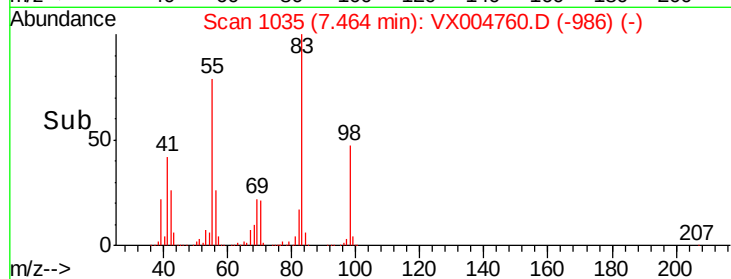
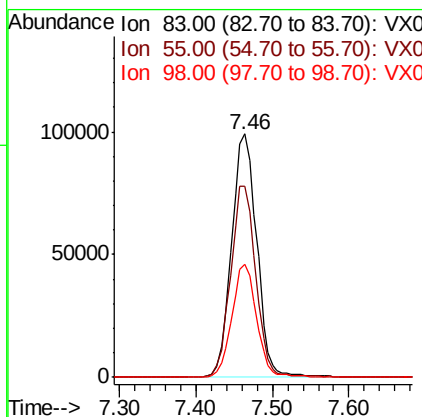
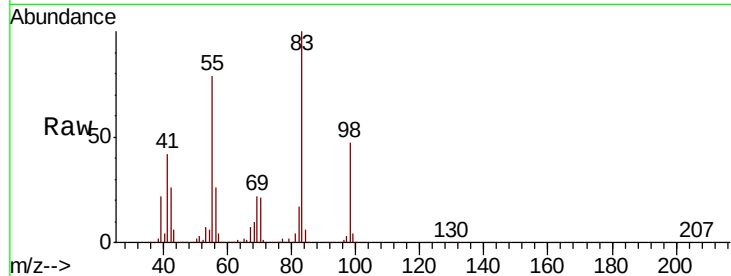
#39
Methylvlcyclohexane
Concen: 44.082 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	226533		
55	78.6		61.0	91.4
98	46.6		39.6	59.4

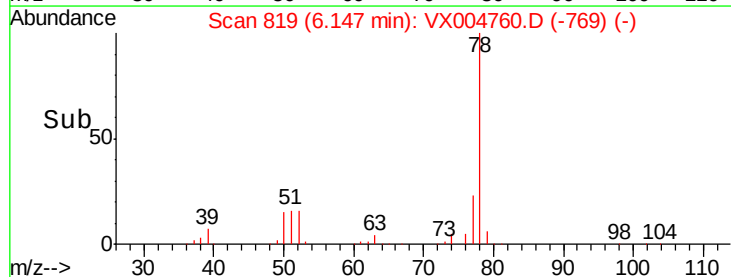
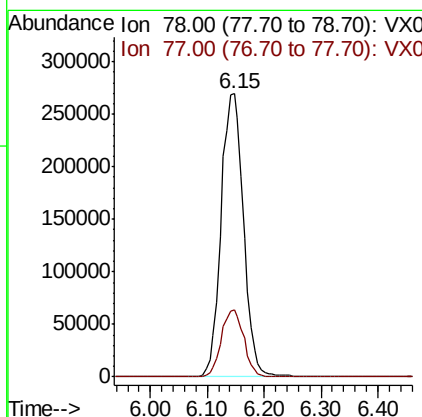
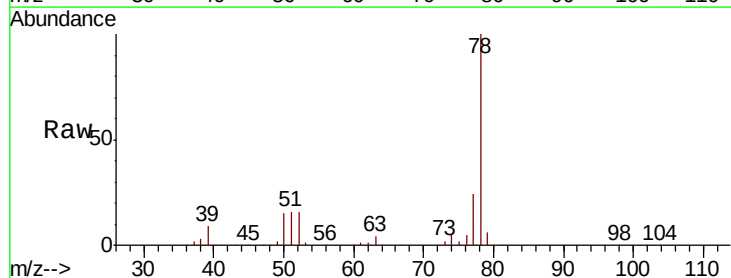
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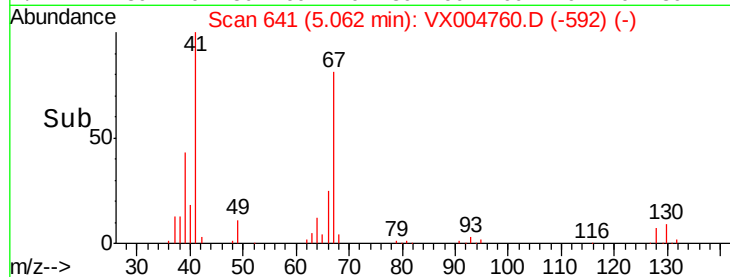
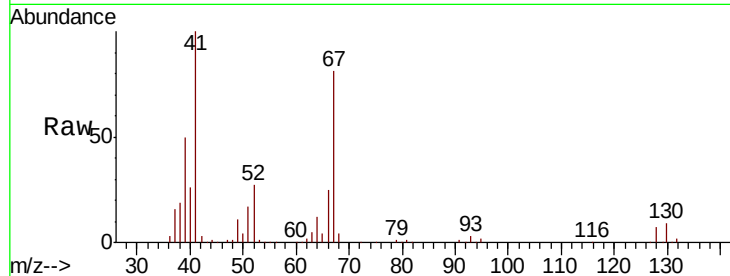
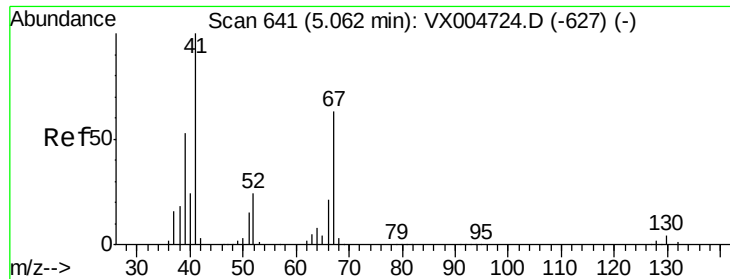
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#40
Benzene
Concen: 46.842 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	738027		
77	23.5		19.0	28.4





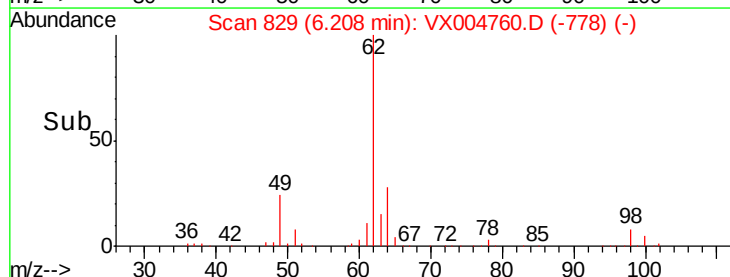
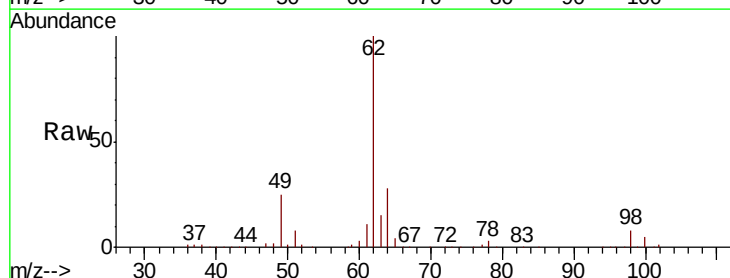
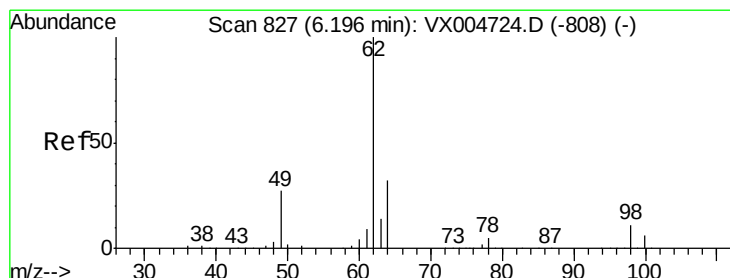
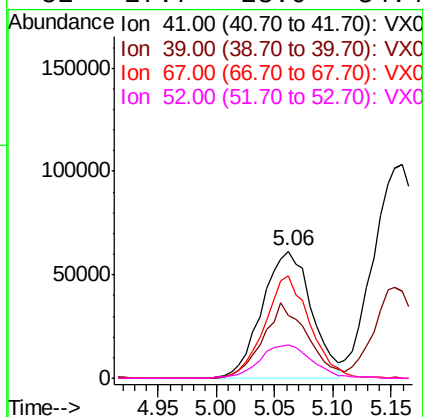
#41
Methacrylonitrile
Concen: 48.374 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		179215		
39	53.7	42.4	63.6		
67	74.9	59.2	88.8		
52	27.7	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

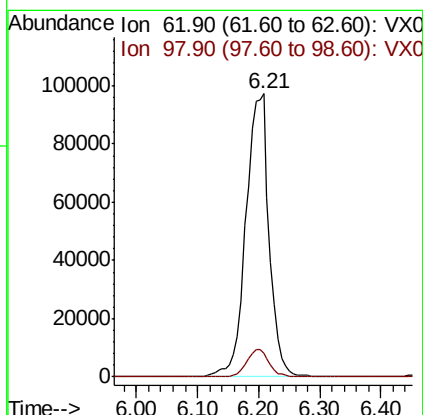
Manual Integrations
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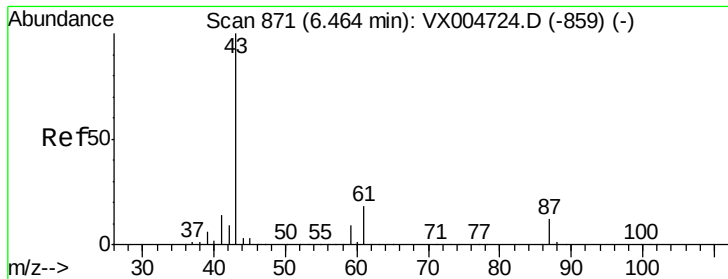
MMDadoda
9/27/2018 12:51:14 PM



#42
1,2-Dichloroethane
Concen: 46.602 ug/l
RT: 6.21 min Scan# 829
Delta R.T. 0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		259564		
98	9.2	0.0	20.6		





#43

Isopropyl Acetate

Concen: 51.251 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

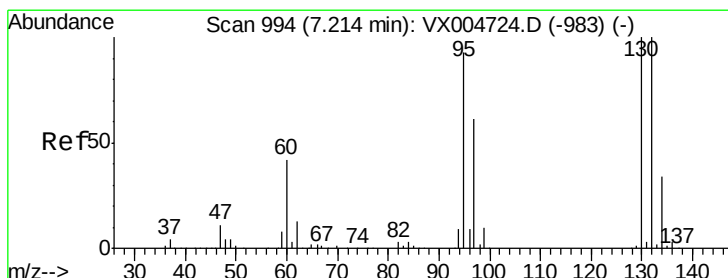
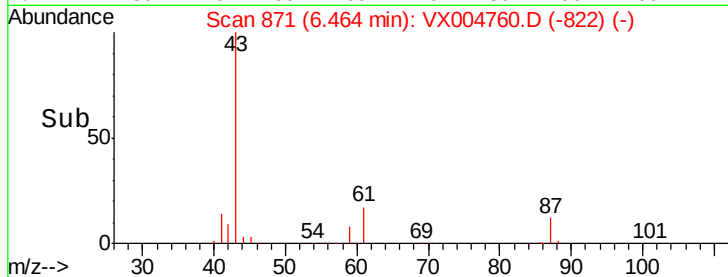
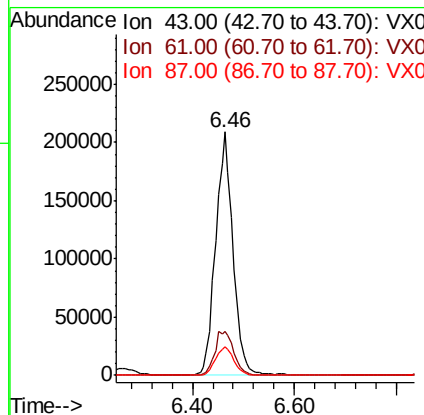
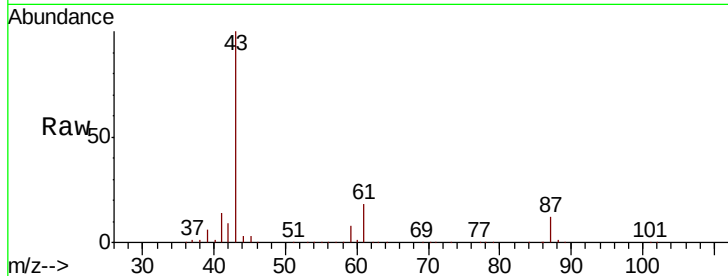
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	43	Resp:	494168
Ion	Ratio	Lower	Upper
43	100		
61	20.1	17.0	25.4
87	12.5	11.4	17.2

Manual Integrations
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MMDadoda
9/27/2018 12:51:14 PM



#44

Trichloroethene

Concen: 49.905 ug/l

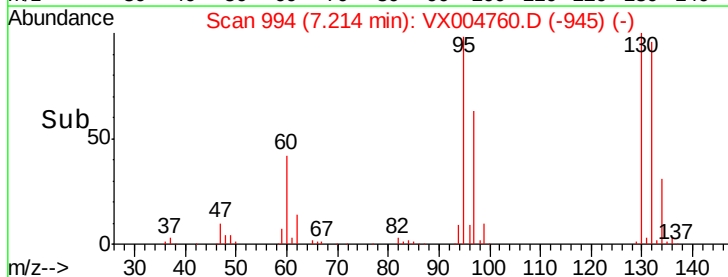
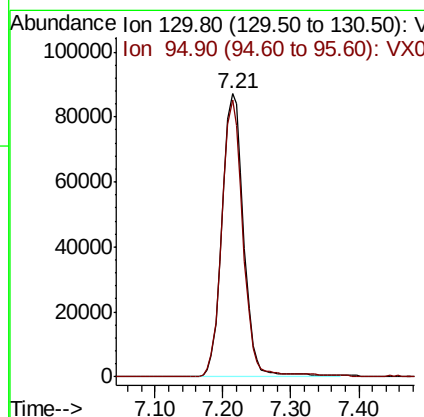
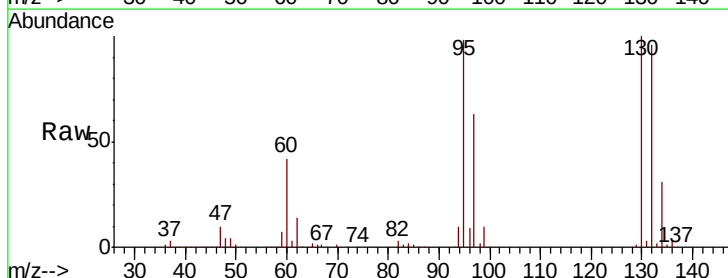
RT: 7.21 min Scan# 994

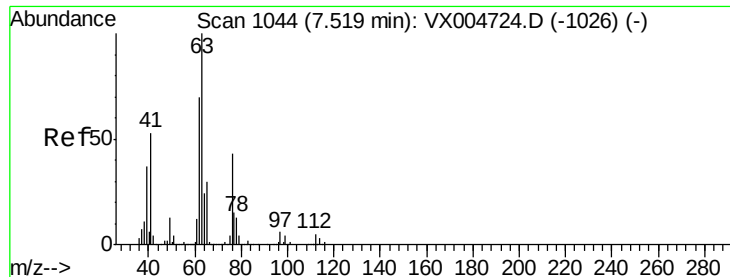
Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	130	Resp:	193293
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	181.6





#45

1,2-Dichloropropane

Concen: 49.885 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 63 Resp: 192745

Ion Ratio Lower Upper

63 100

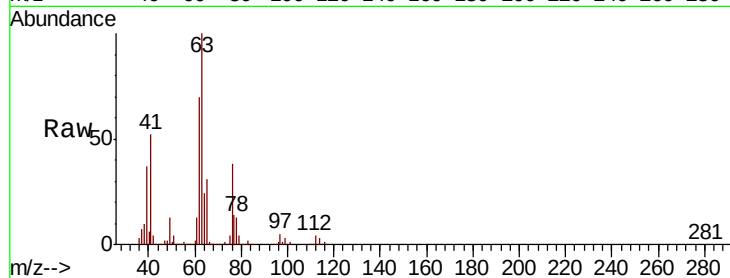
65 31.3 24.3 36.5

Manual Integrations

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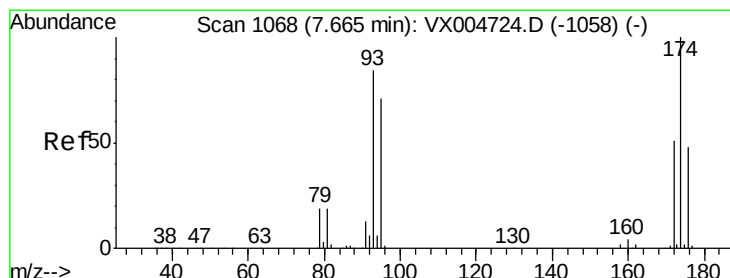
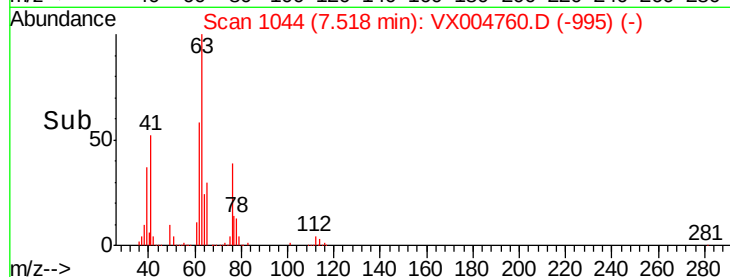
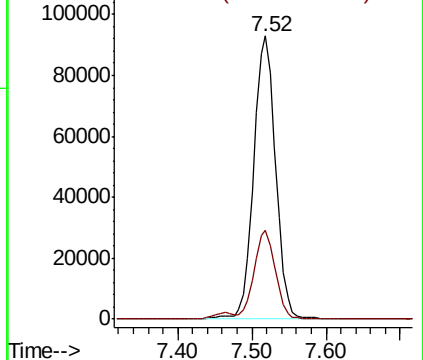
MMDadoda

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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: 51.107 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

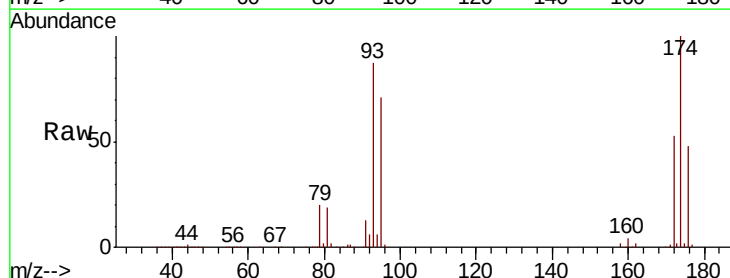
Tgt Ion: 93 Resp: 124100

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

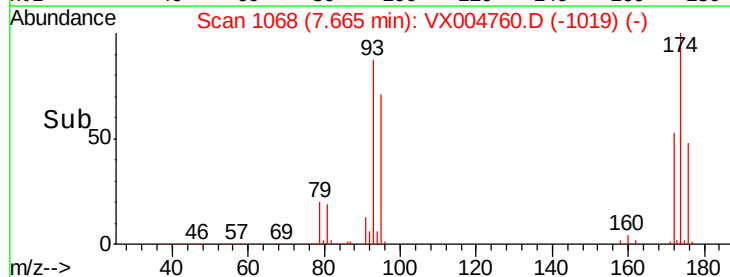
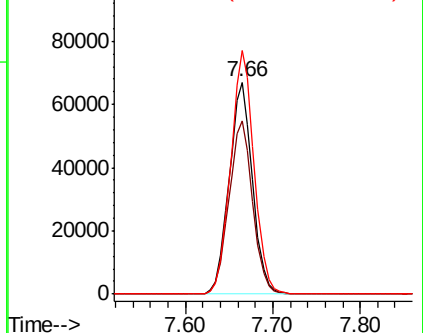
174 115.3 94.2 141.4

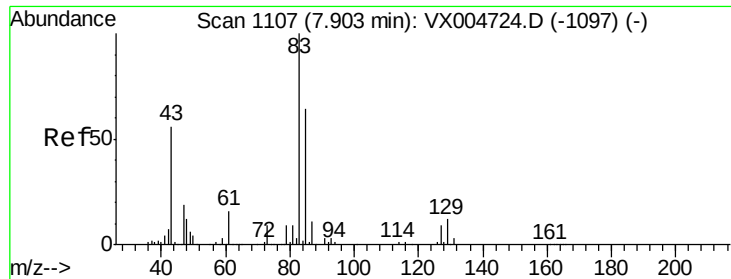


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





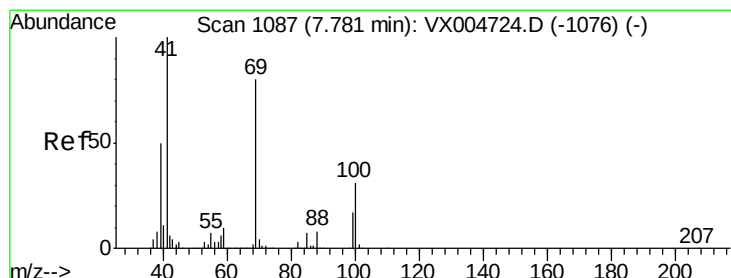
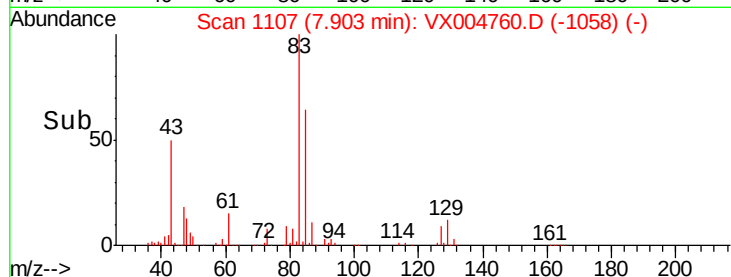
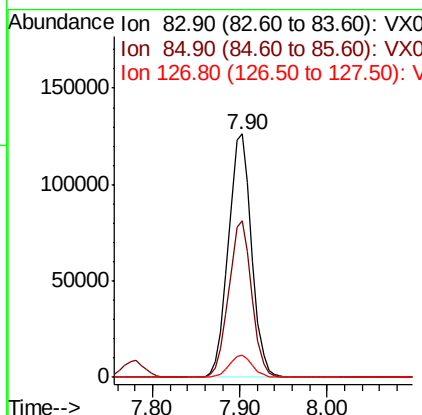
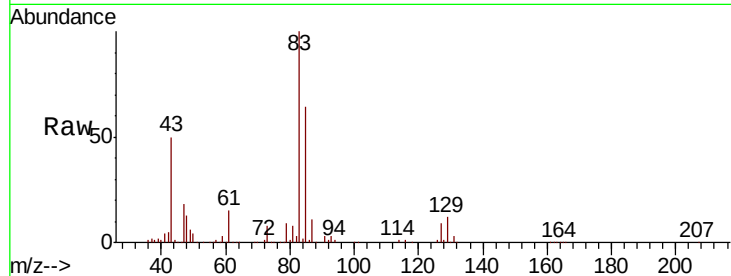
#47
 Bromodichloromethane
 Concen: 51.318 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233307		
85	64.4	50.9	76.3	
127	9.1	7.3	10.9	

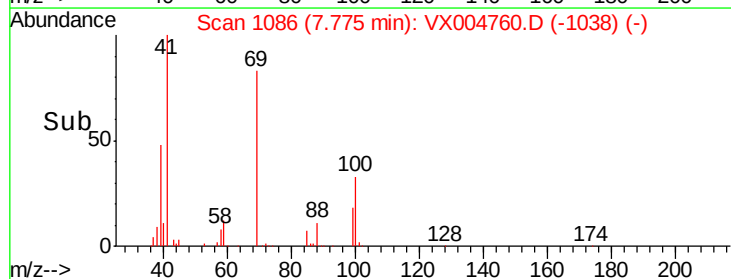
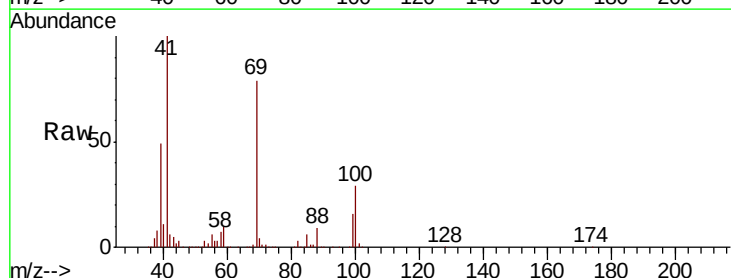
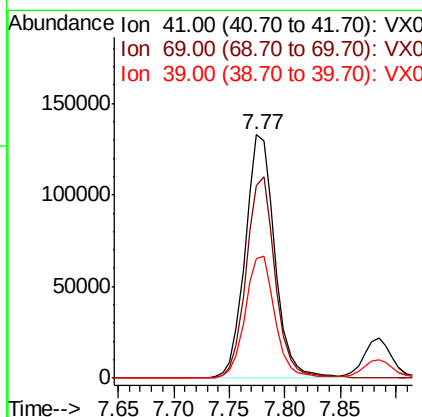
Manual Integrations
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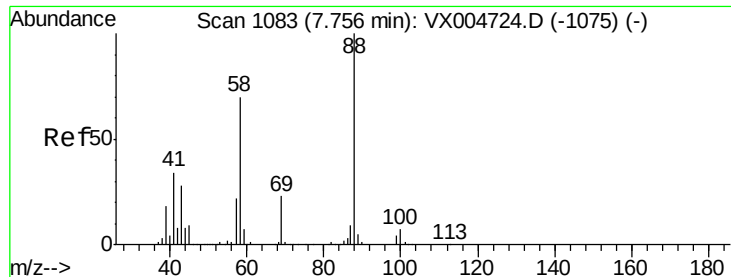
MMDadoda
 9/27/2018 12:51:14 PM



#48
 Methyl methacrylate
 Concen: 55.947 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	244844		
69	81.8	70.2	105.4	
39	50.5	42.7	64.1	





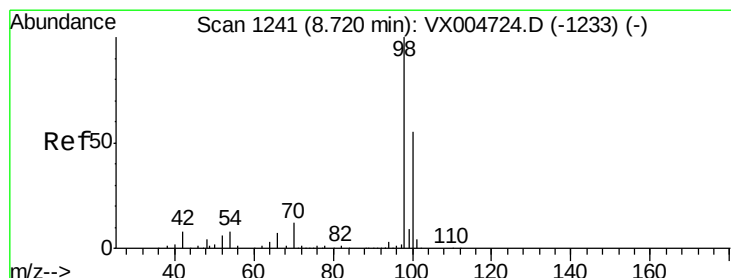
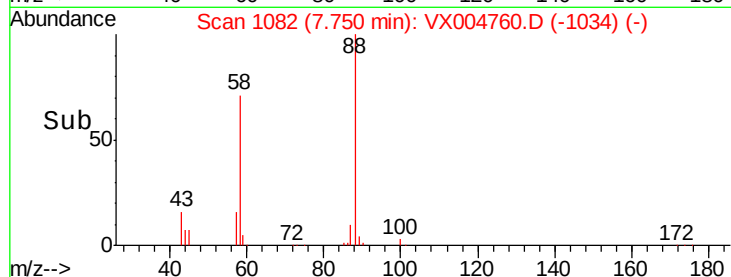
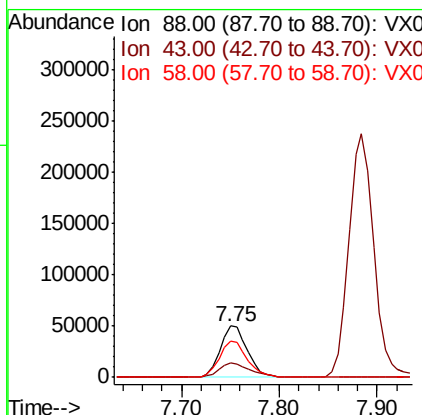
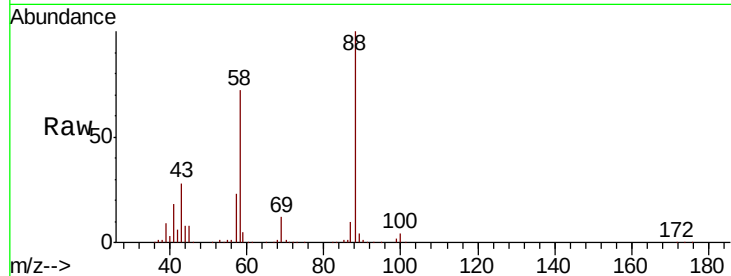
#49
1,4-Dioxane
Concen: 883.318 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	88	Resp	96040
Ion Ratio	Lower	Upper	
88	100		
43	32.2	24.7	37.1
58	72.7	55.3	82.9

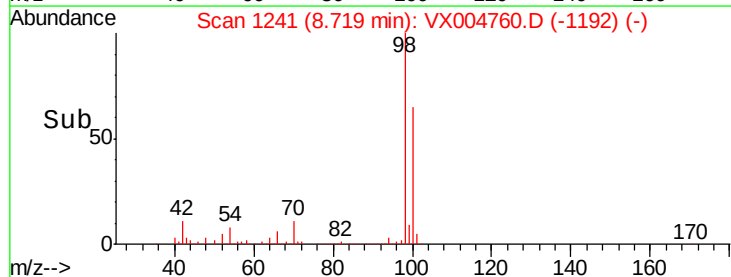
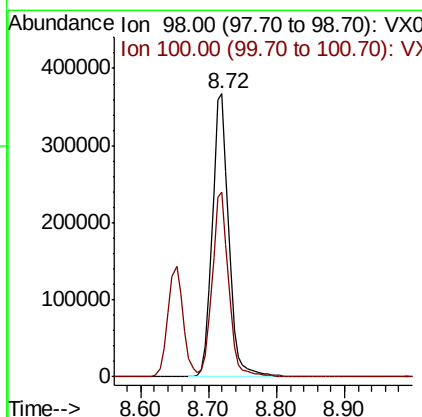
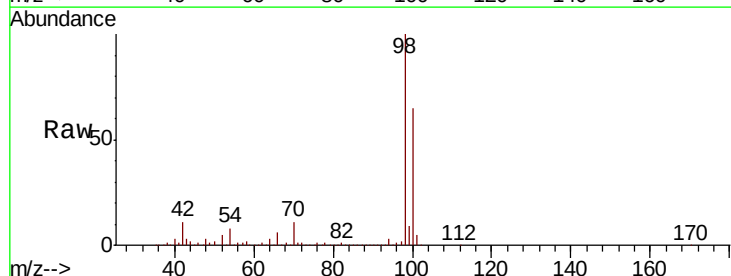
Manual Integrations
APPROVED

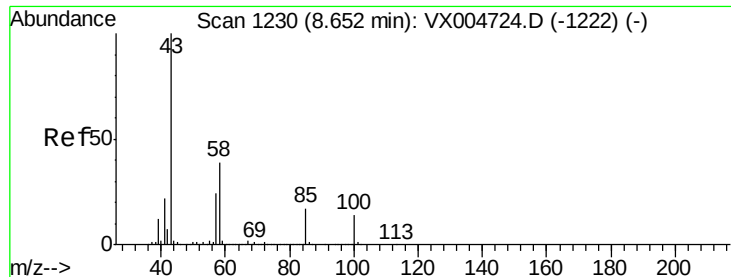
MMDadoda
9/27/2018 12:51:14 PM



#50
Toluene-d8
Concen: 50.462 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	98	Resp	618808
Ion Ratio	Lower	Upper	
98	100		
100	65.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 266.872 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 43 Resp: 1620202

Ion Ratio Lower Upper

43 100

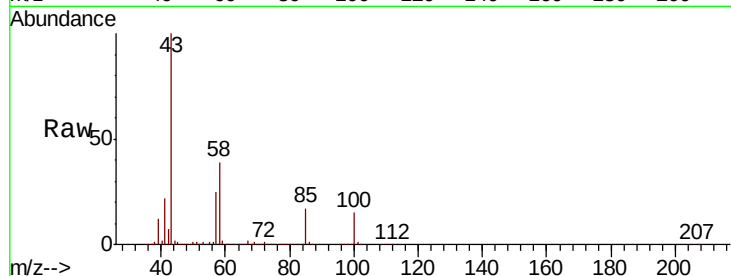
58 39.1 33.1 49.7

Manual Integrations

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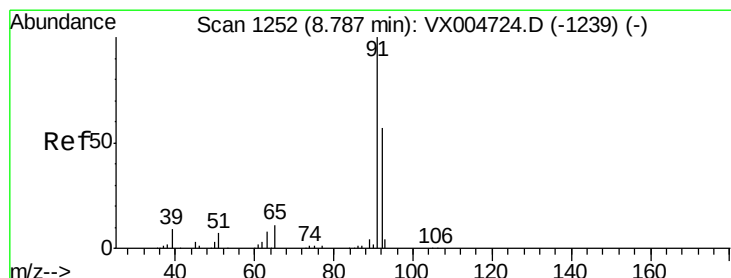
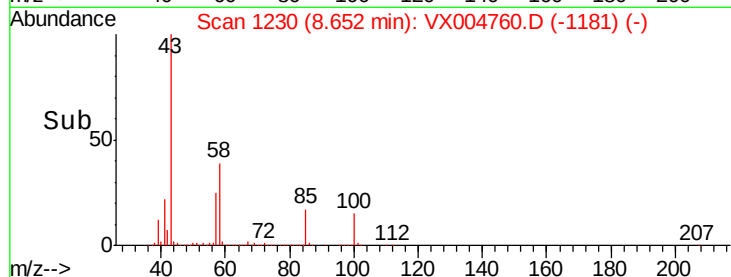
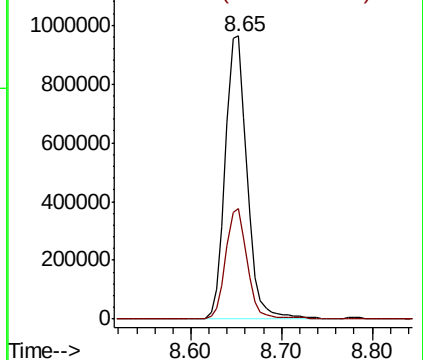
MMDadoda

9/27/2018 12:51:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.130 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004760.D

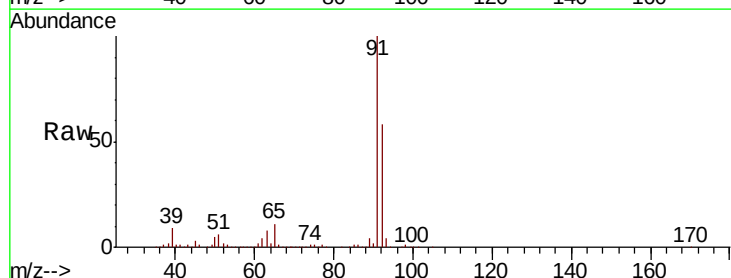
Acq: 27 Sep 2018 08:12

Tgt Ion: 92 Resp: 442658

Ion Ratio Lower Upper

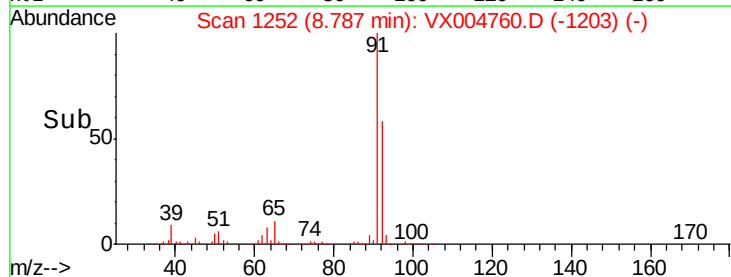
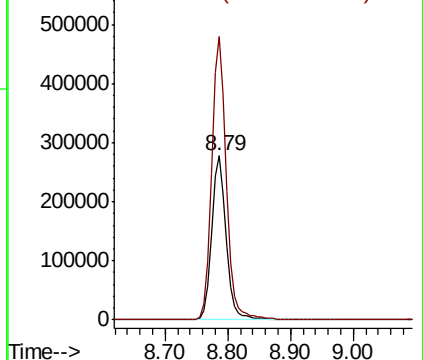
92 100

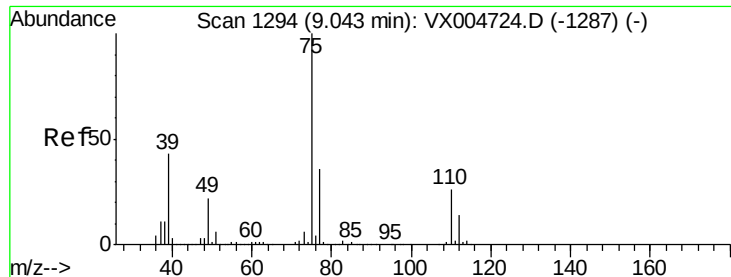
91 174.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





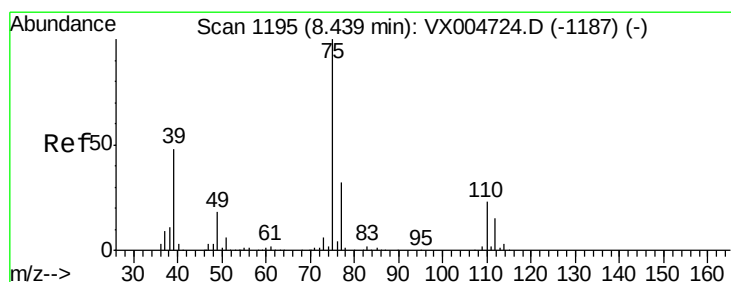
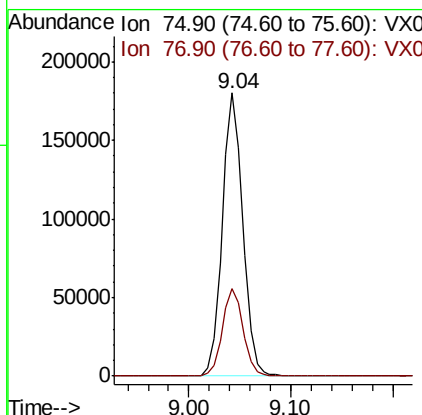
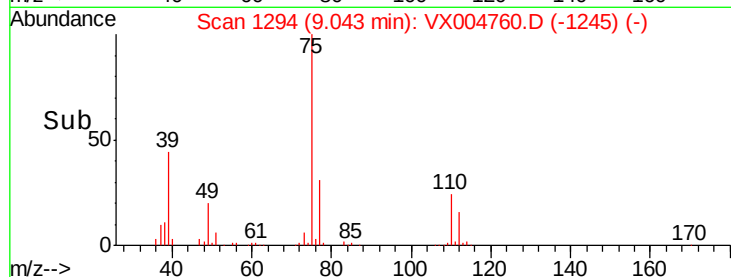
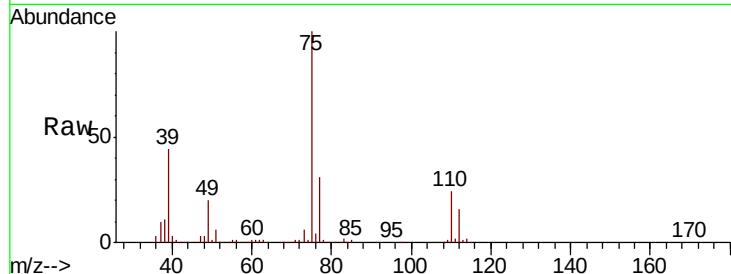
#53
t-1,3-Dichloropropene
Concen: 49.087 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	37.0

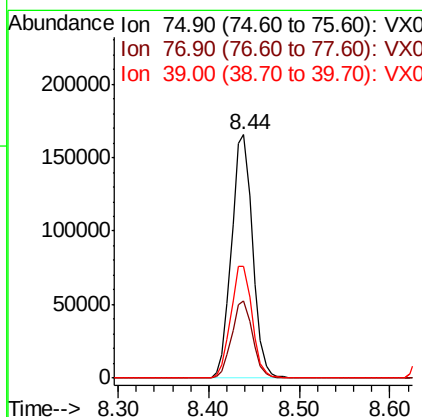
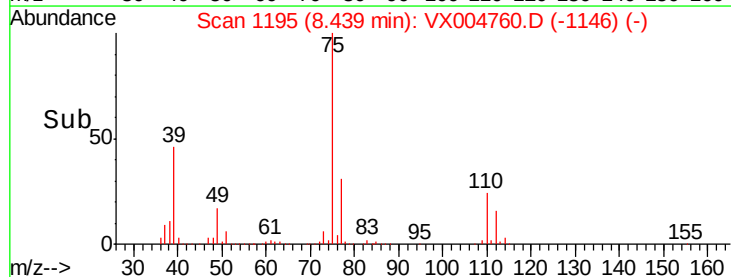
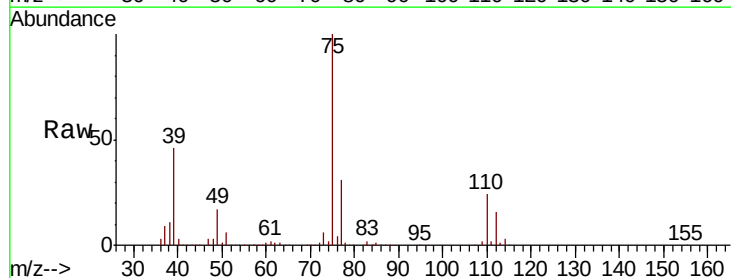
Manual Integrations
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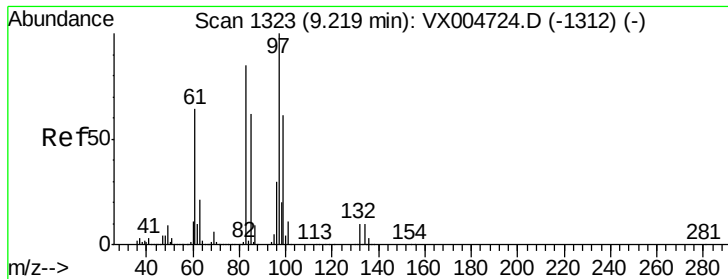
MMDadoda
9/27/2018 12:51:14 PM



#54
cis-1,3-Dichloropropene
Concen: 49.713 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.2	39.2
39	46.0	36.4	54.6





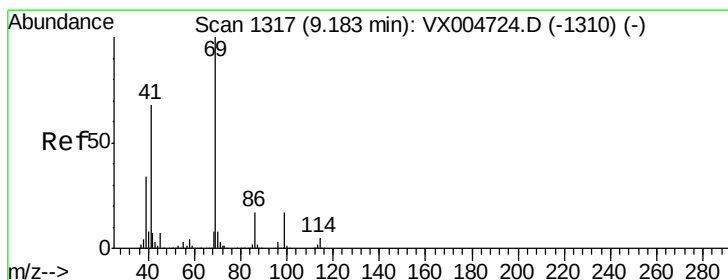
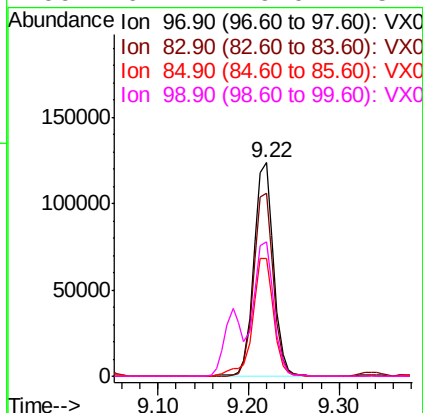
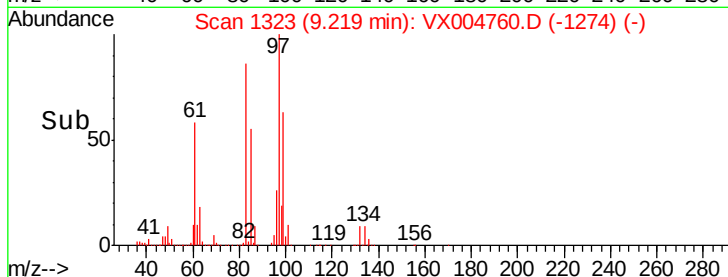
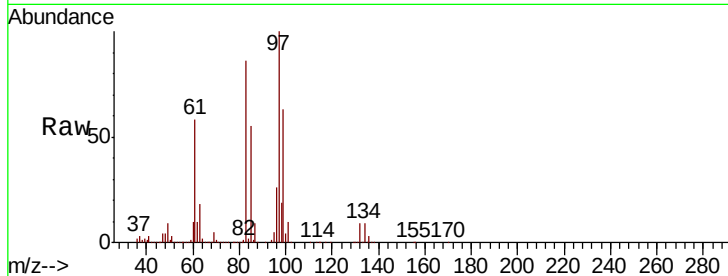
#55
 1,1,2-Trichloroethane
 Concen: 48.887 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		185393		
83	85.7	66.4	99.6		
85	55.2	43.3	64.9		
99	62.7	49.0	73.4		

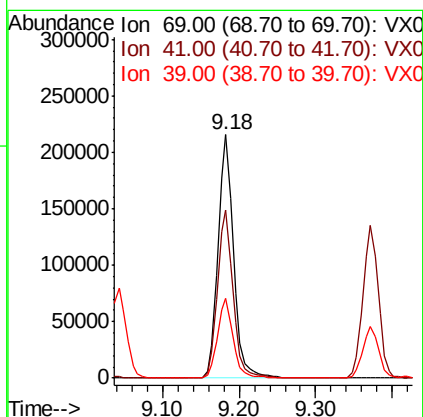
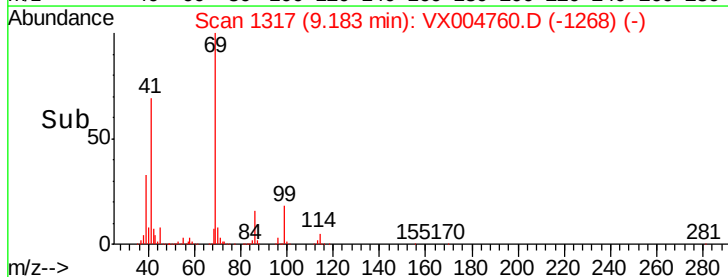
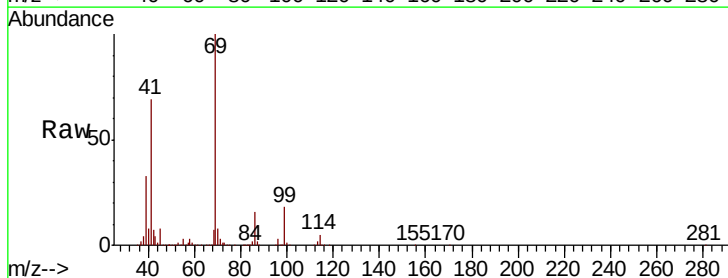
Manual Integrations
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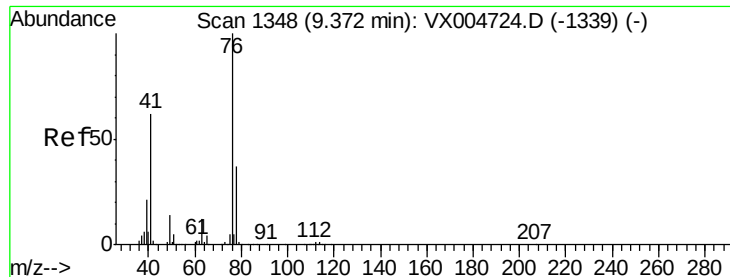
MMDadoda
 9/27/2018 12:51:14 PM



#56
 Ethyl methacrylate
 Concen: 49.258 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		302844		
41	69.1	51.0	76.4		
39	32.6	26.1	39.1		





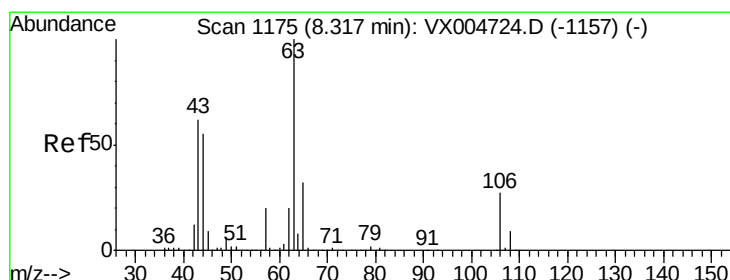
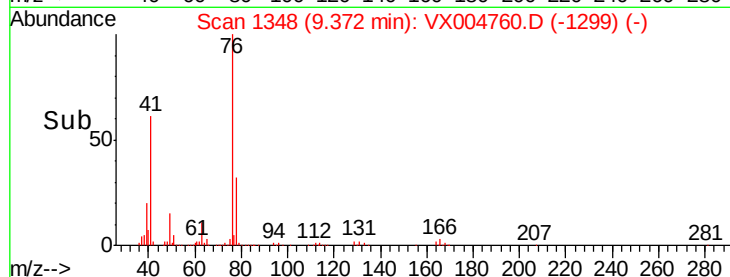
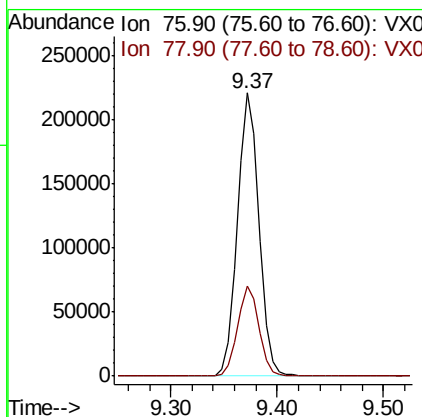
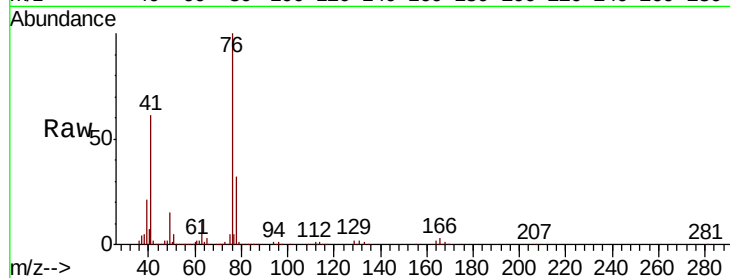
#57
 1,3-Dichloropropane
 Concen: 49.752 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

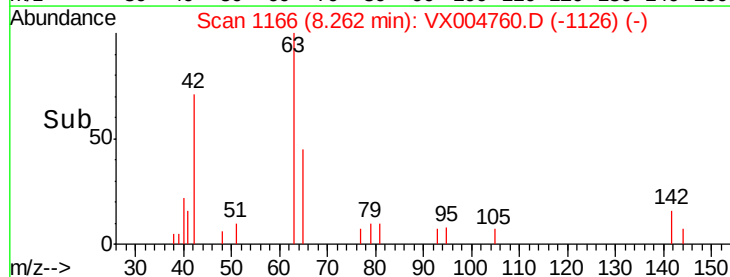
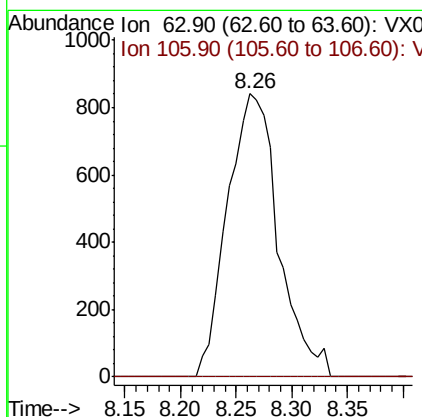
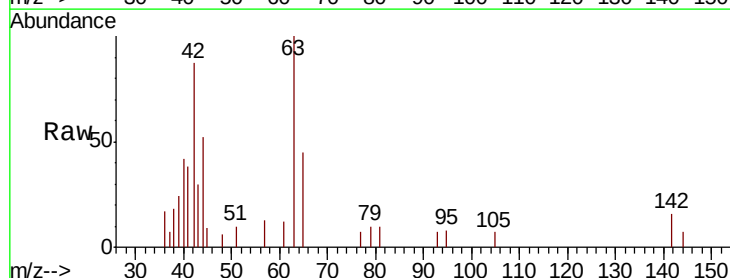
Manual Integrations
 APPROVED

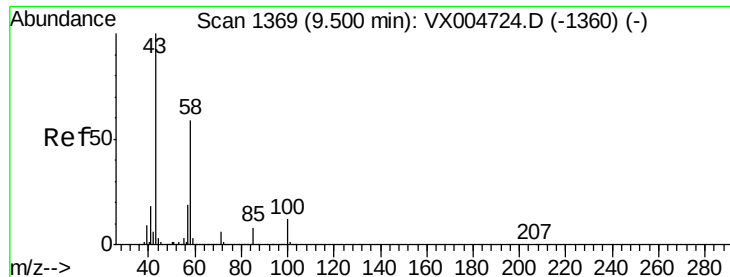
MMDadoda
 9/27/2018 12:51:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.016 ug/l
 RT: 8.26 min Scan# 1166
 Delta R.T. -0.05 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.9	35.9#





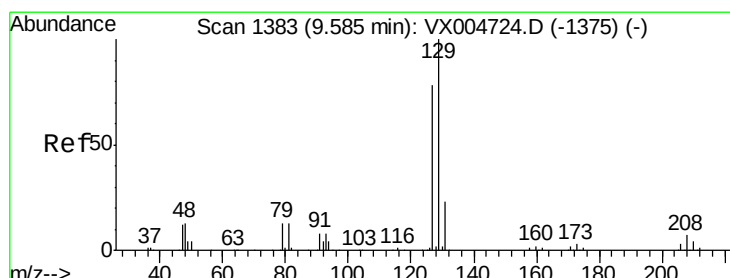
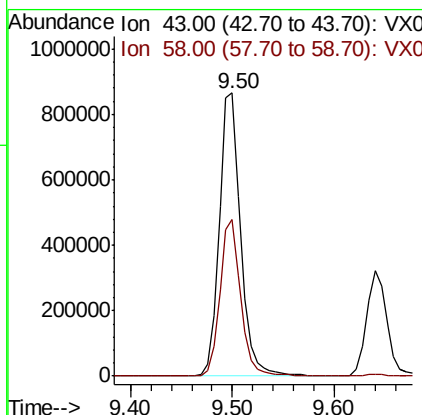
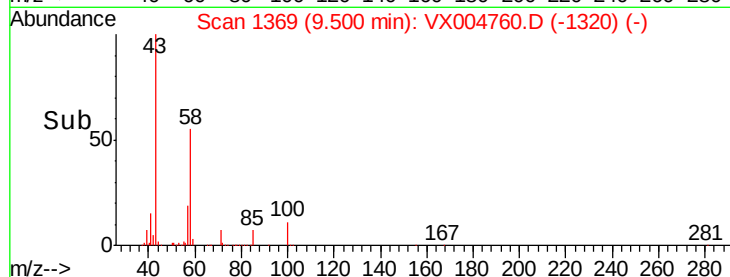
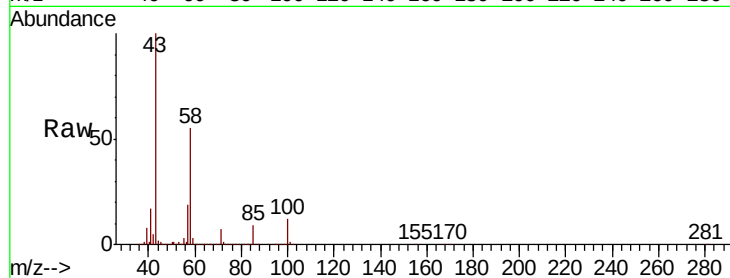
#59
2-Hexanone
Concen: 249.915 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion: 43 Resp: 1264357
Ion Ratio Lower Upper
43 100
58 53.9 29.0 87.0

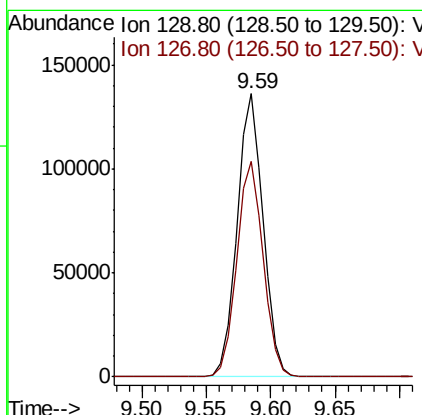
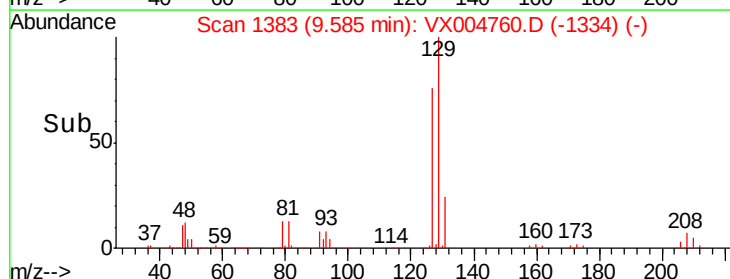
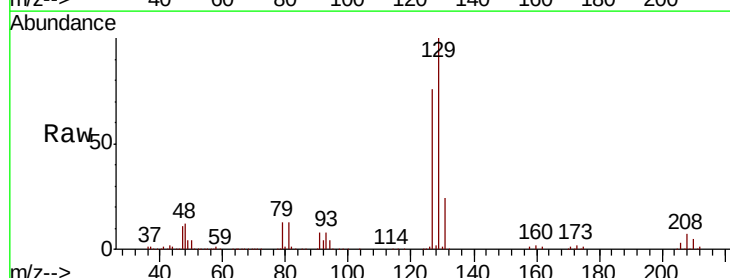
Manual Integrations
APPROVED

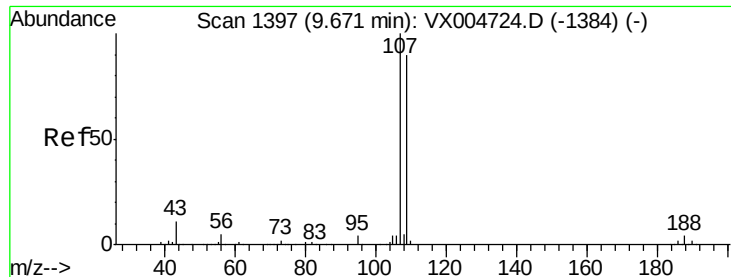
MMDadoda
9/27/2018 12:51:14 PM



#60
Dibromochloromethane
Concen: 50.136 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion: 129 Resp: 190144
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





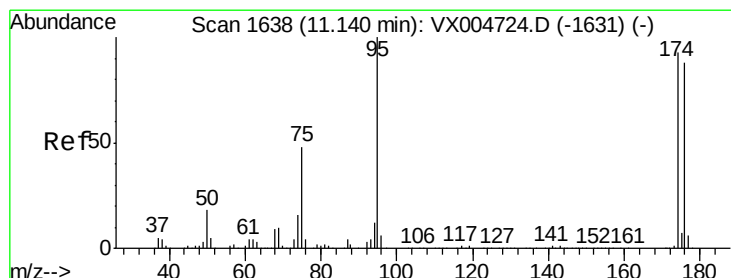
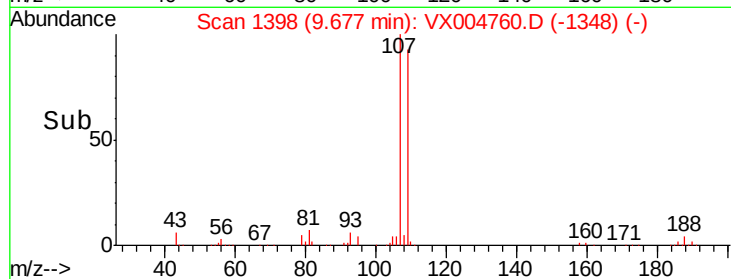
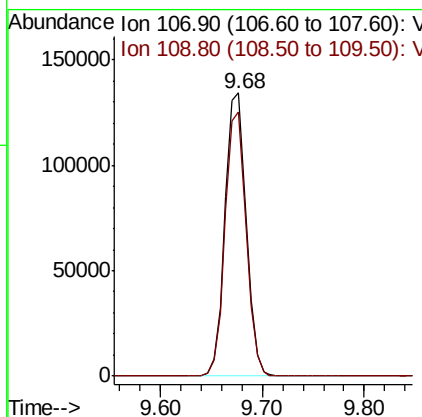
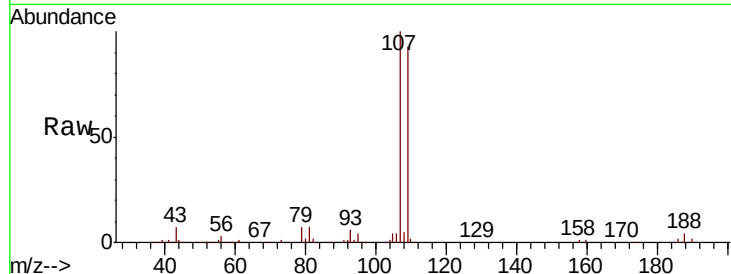
#61
 1,2-Dibromoethane
 Concen: 47.559 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	193153		
109	93.1	76.0	114.0	

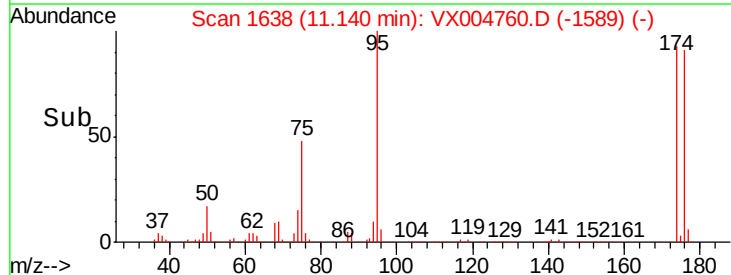
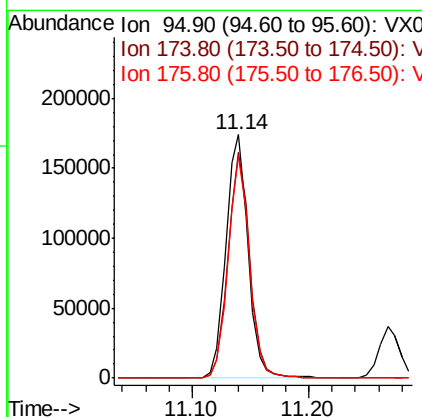
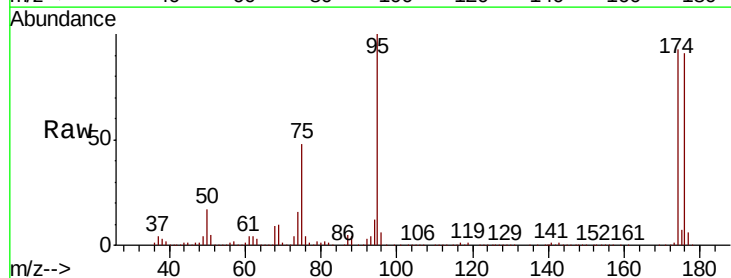
Manual Integrations
 APPROVED

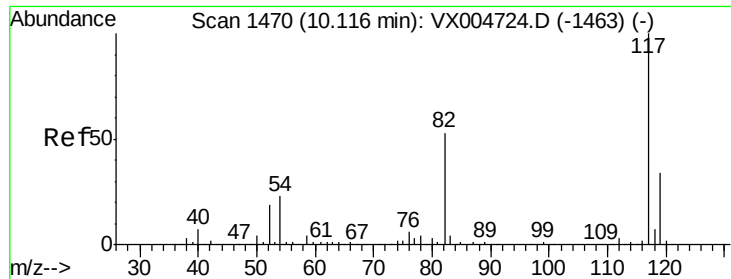
MMDadoda
 9/27/2018 12:51:14 PM



#62
 4-Bromofluorobenzene
 Concen: 51.953 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	229516		
174	91.2	0.0	185.2	
176	88.2	0.0	178.6	





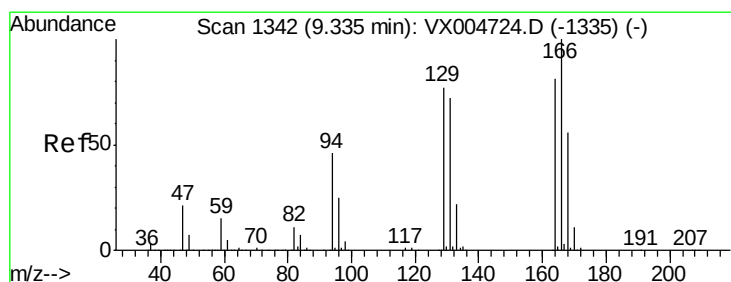
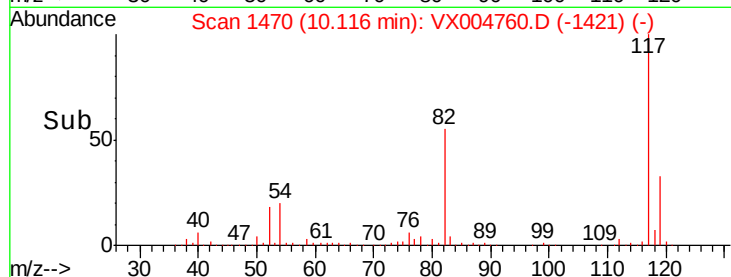
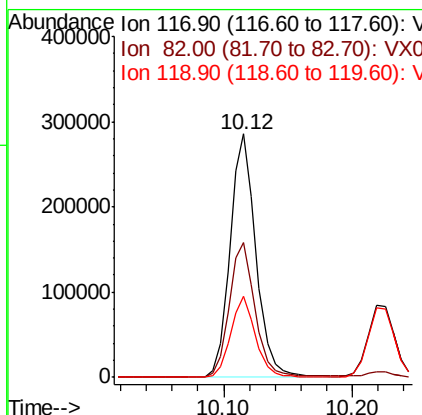
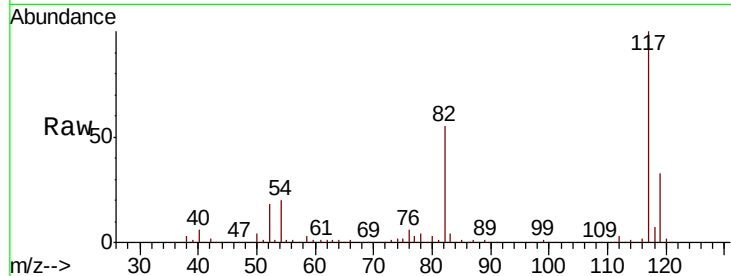
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	400260		
82	55.2	47.8	71.6	
119	33.2	29.3	43.9	

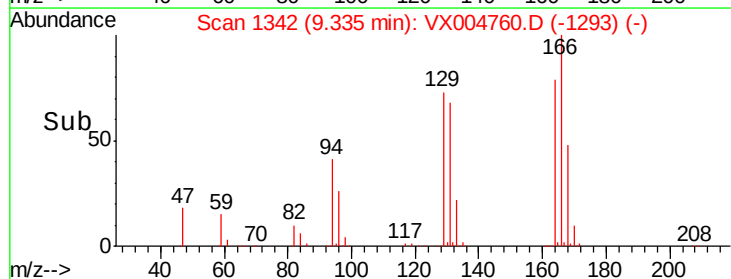
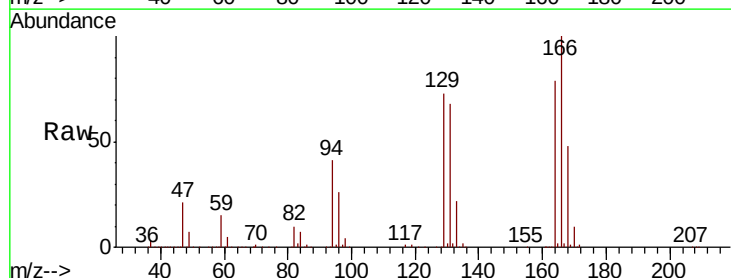
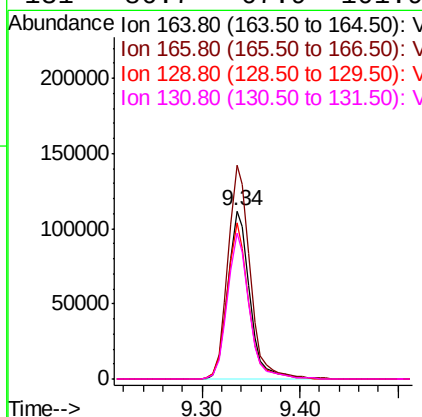
Manual Integrations
APPROVED

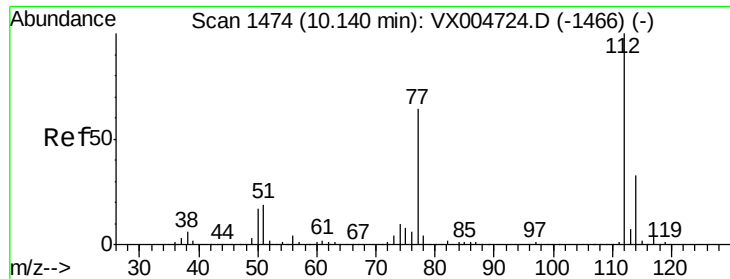
MMDadoda
9/27/2018 12:51:14 PM



#64
Tetrachloroethene
Concen: 44.313 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174569		
166	127.1	102.8	154.2	
129	92.8	69.4	104.0	
131	86.7	67.9	101.9	





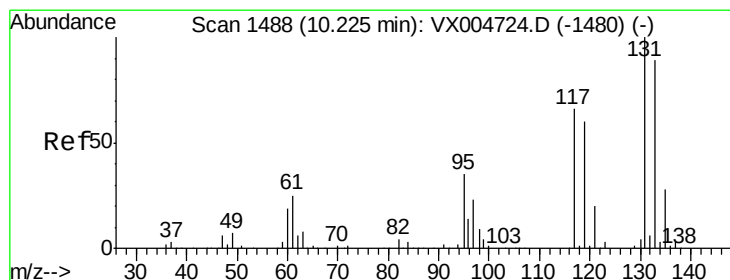
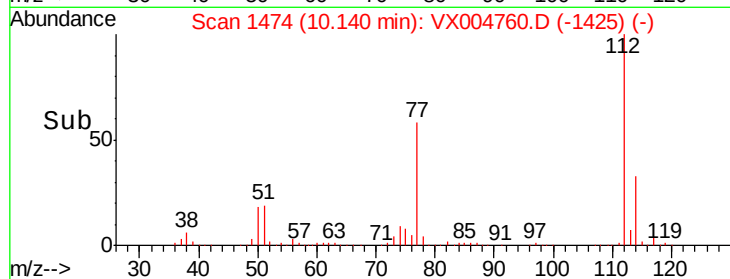
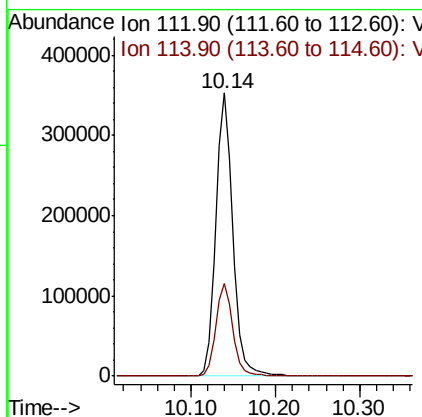
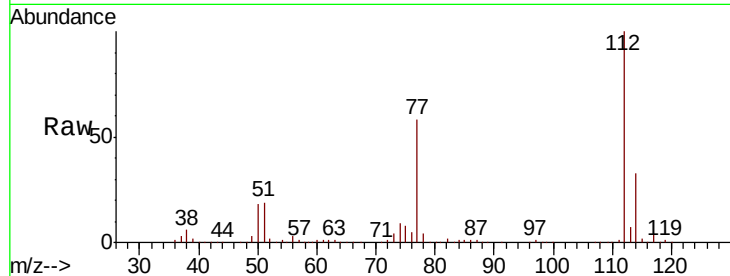
#65
Chlorobenzene
Concen: 48.061 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion:112 Resp: 493290
Ion Ratio Lower Upper
112 100
114 32.9 27.8 41.8

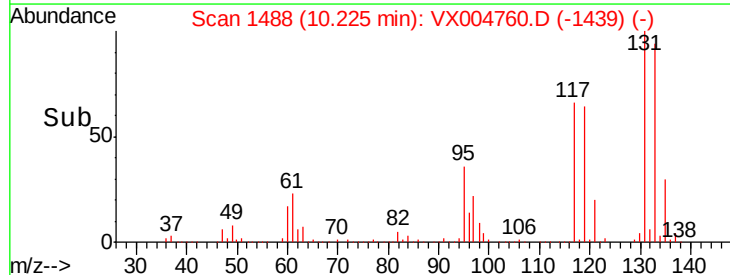
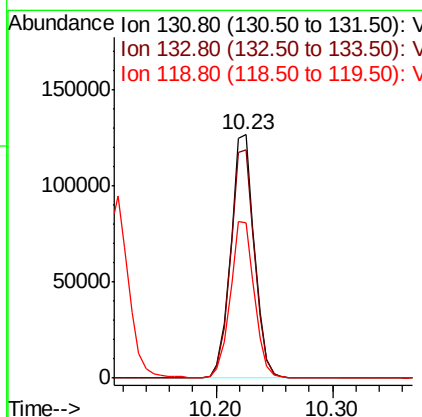
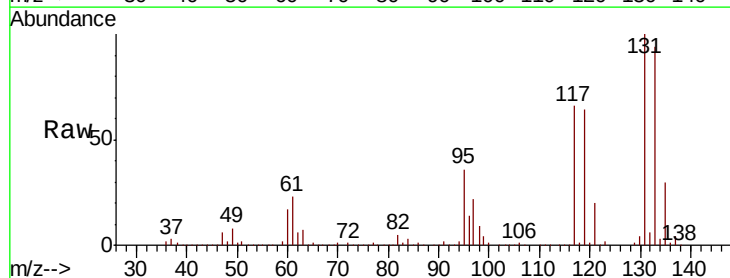
Manual Integrations
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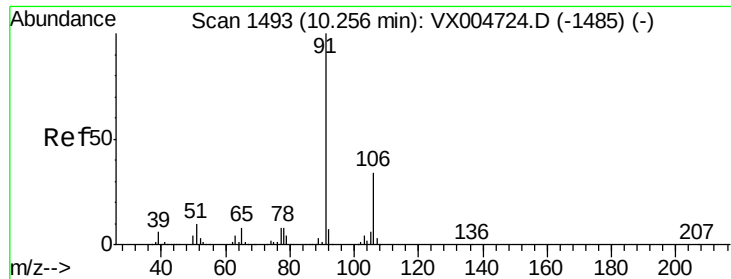
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.519 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion:131 Resp: 178679
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 65.2 32.9 98.6





#67

Ethyl Benzene

Concen: 51.412 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampled :

T11-MW-4-9.0-092018MSD

Tot Ion: 91 Resp: 837760

Ion Ratio Lower Upper

91 100

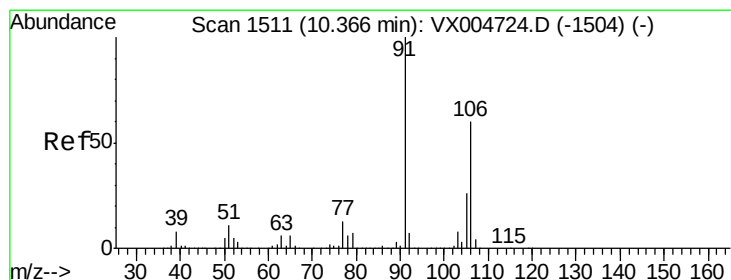
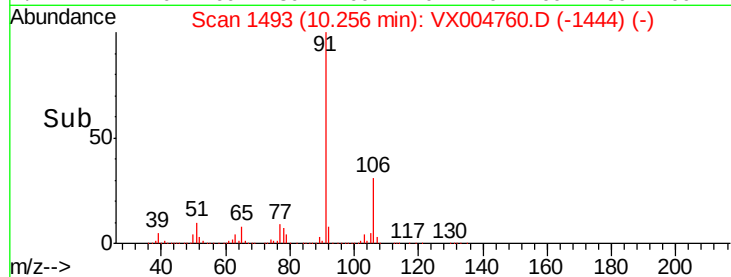
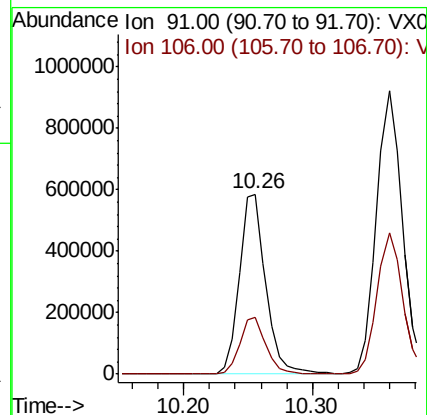
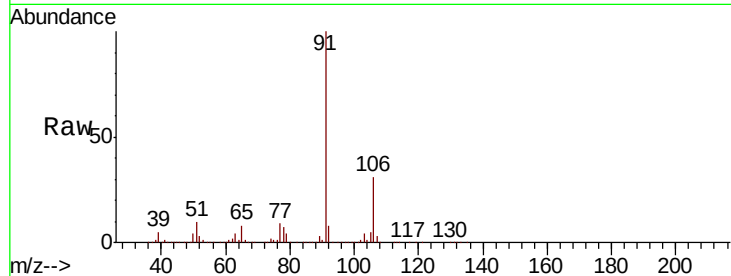
106 31.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:14 PM



#68

m/p-Xylenes

Concen: 101.522 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004760.D

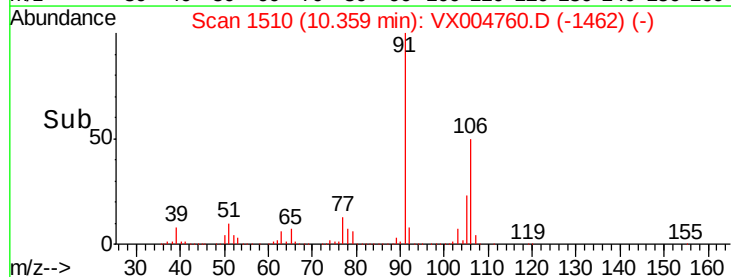
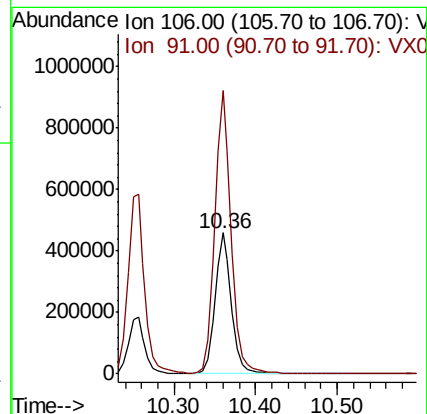
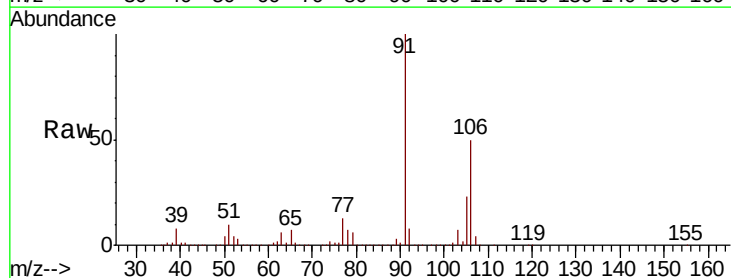
Acq: 27 Sep 2018 08:12

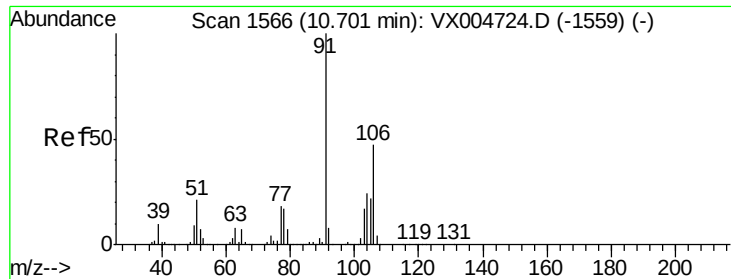
Tgt Ion: 106 Resp: 646455

Ion Ratio Lower Upper

106 100

91 202.4 157.1 235.7





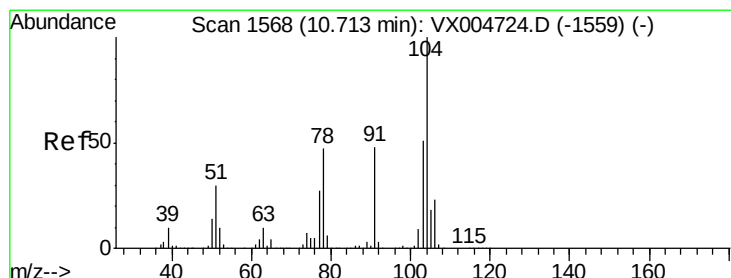
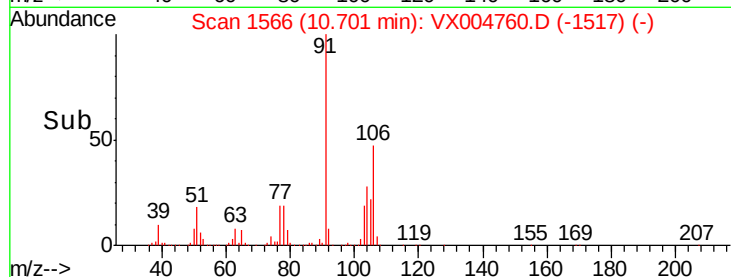
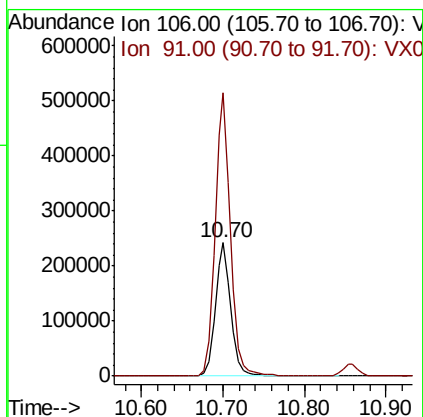
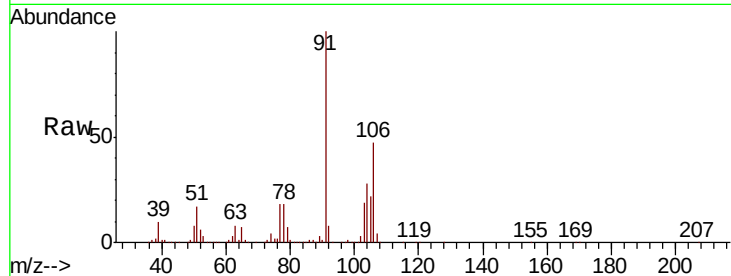
#69
o-Xylene
Concen: 54.779 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.6	105.1	315.1

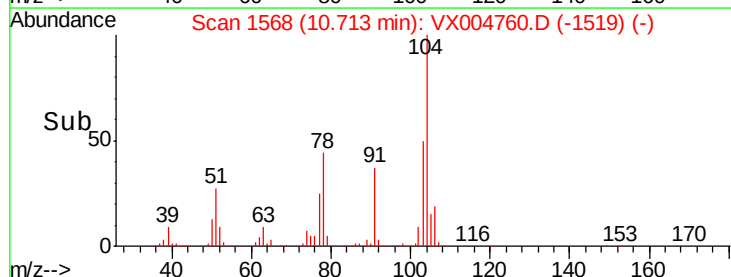
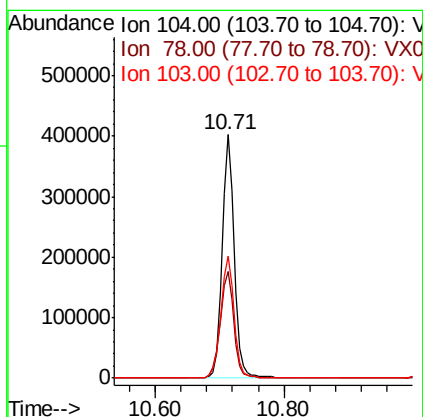
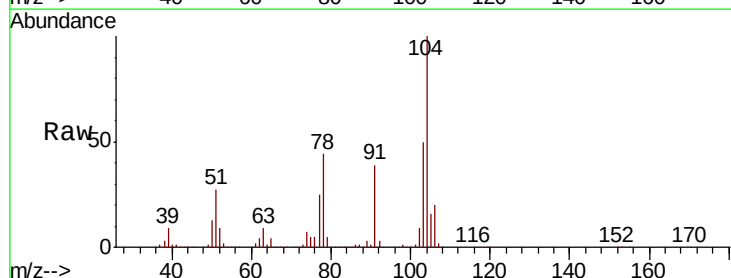
Manual Integrations
APPROVED

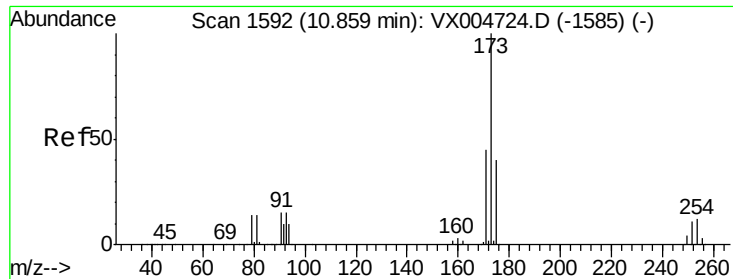
MMDadoda
9/27/2018 12:51:14 PM



#70
Styrene
Concen: 48.862 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	37.4	56.0
103	55.5	43.8	65.6





#71

Bromoform

Concen: 50.169 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

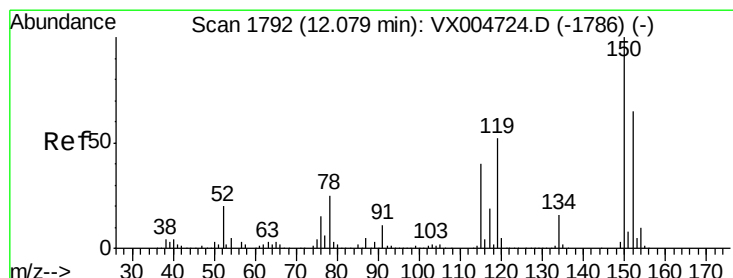
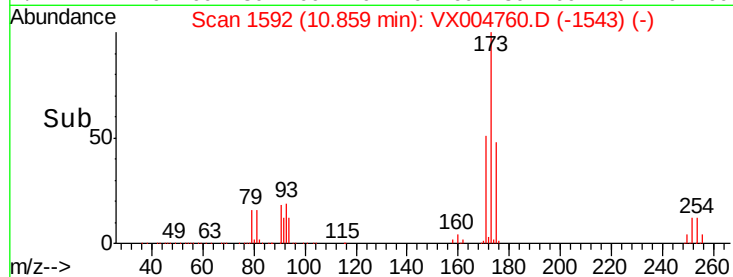
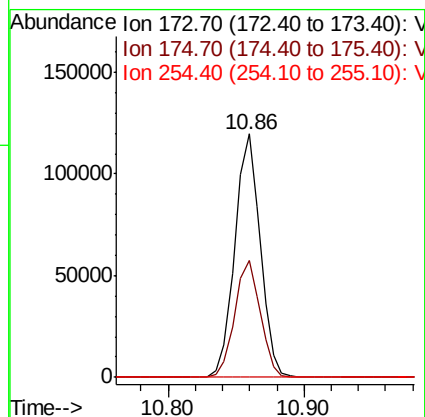
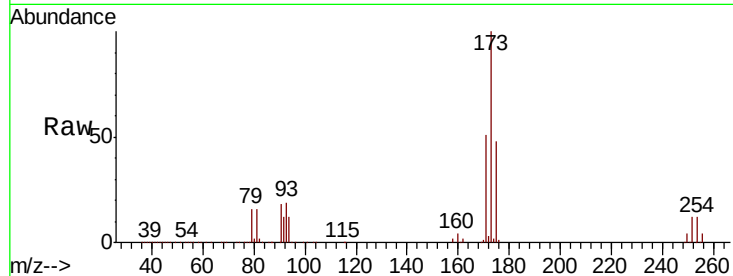
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	173	Resp:	154981
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

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9/27/2018 12:51:14 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

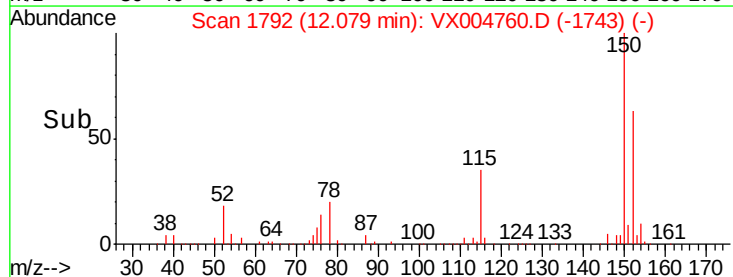
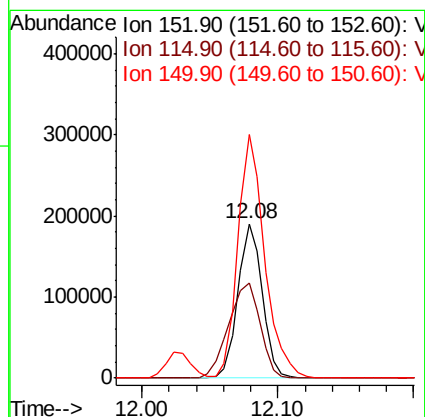
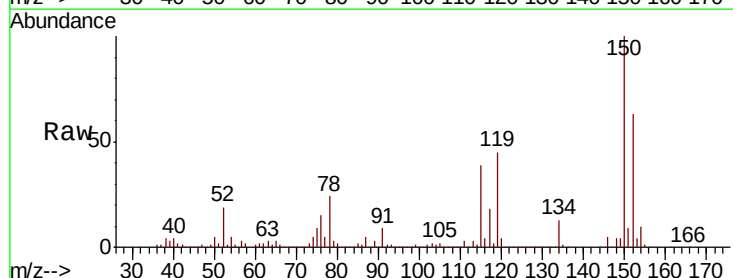
RT: 12.08 min Scan# 1792

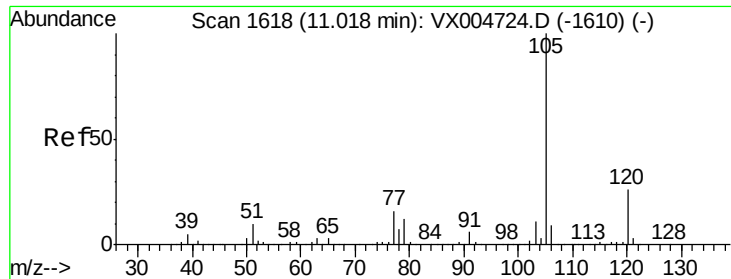
Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	152	Resp:	236343
Ion Ratio	Lower	Upper	
152	100		
115	79.7	39.0	117.0
150	174.5	0.0	351.0





#73

Isopropylbenzene

Concen: 57.688 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:105 Resp: 859373

Ion Ratio Lower Upper

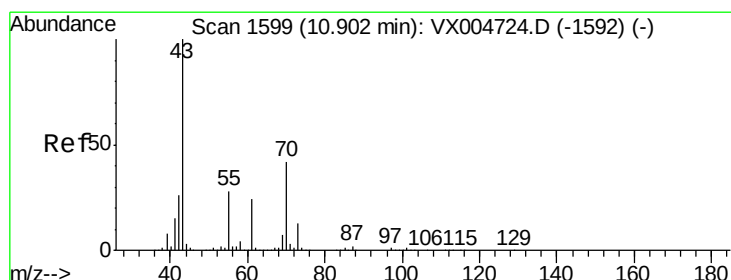
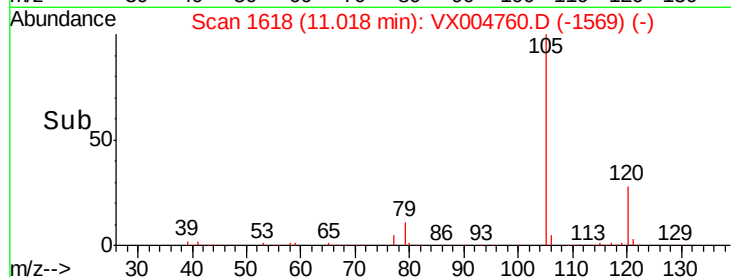
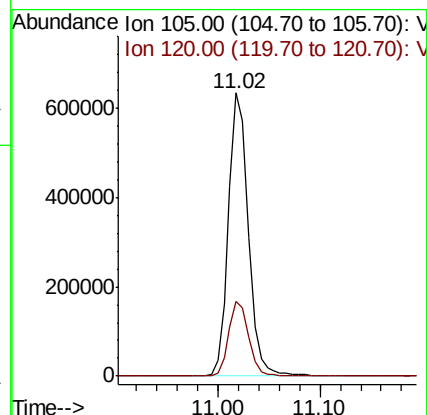
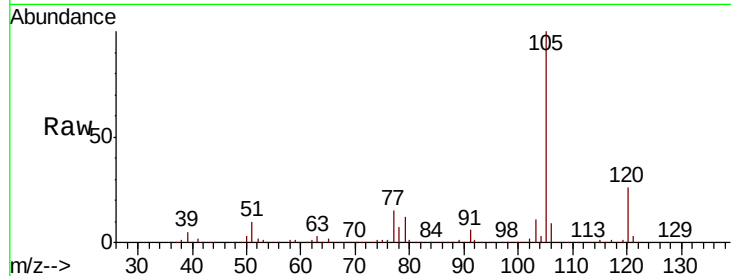
105 100

120 26.7 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 52.951 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion: 43 Resp: 434443

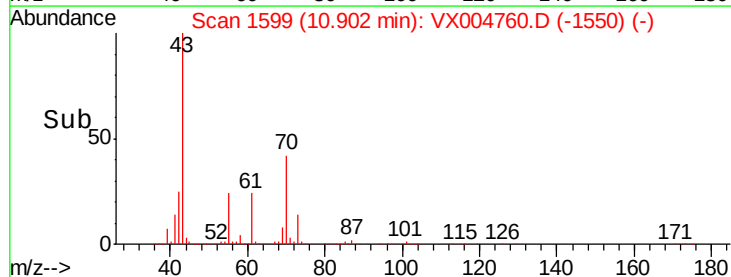
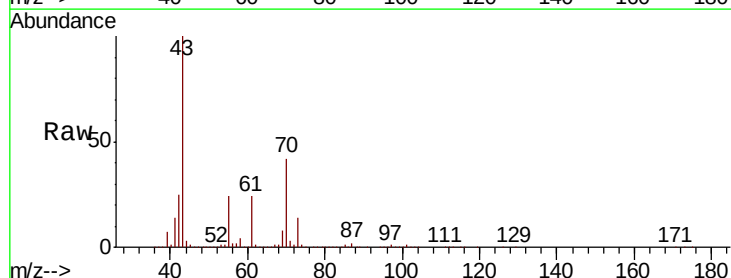
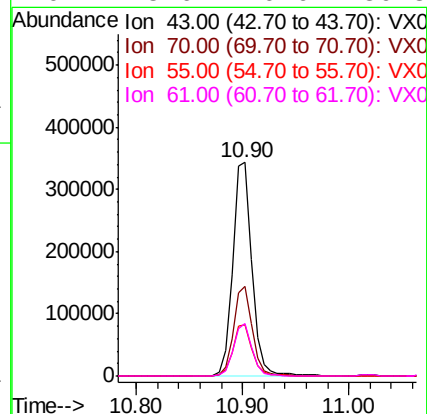
Ion Ratio Lower Upper

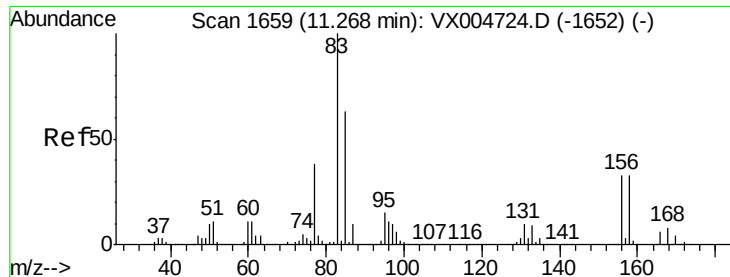
43 100

70 40.9 37.4 56.0

55 24.0 21.8 32.8

61 23.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.798 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

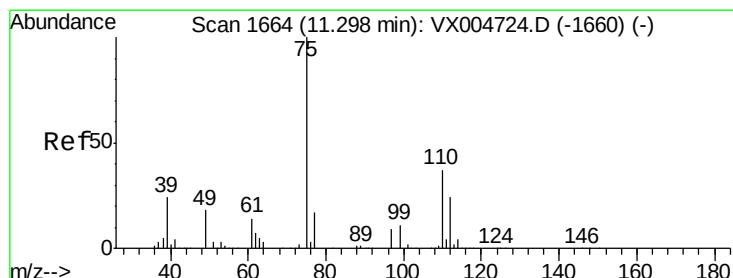
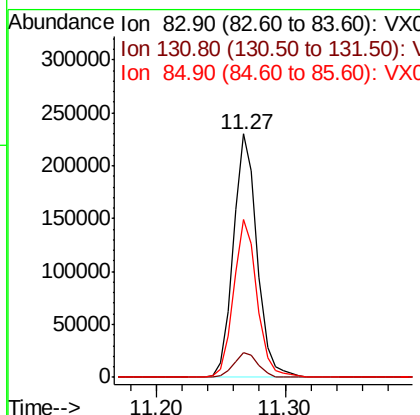
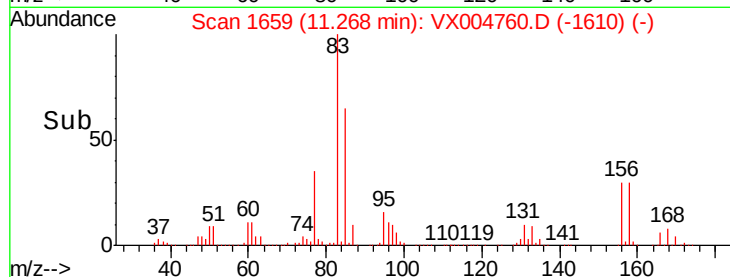
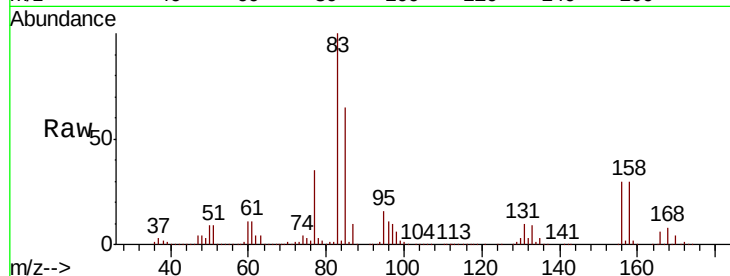
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	83	Resp:	295914
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.391 ug/l m

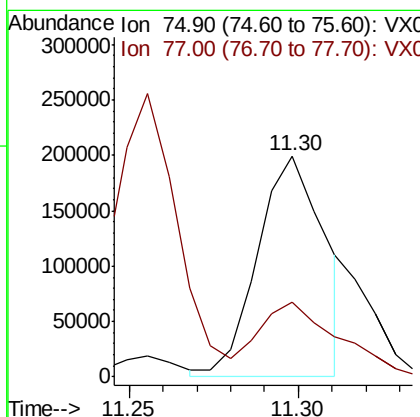
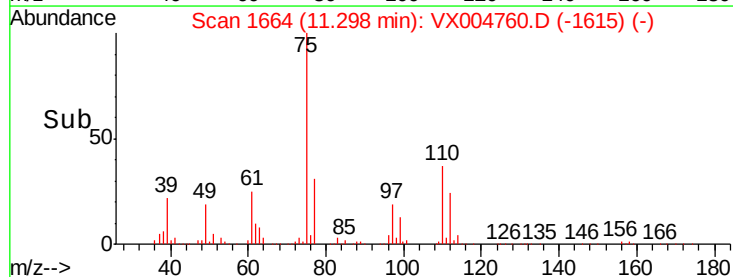
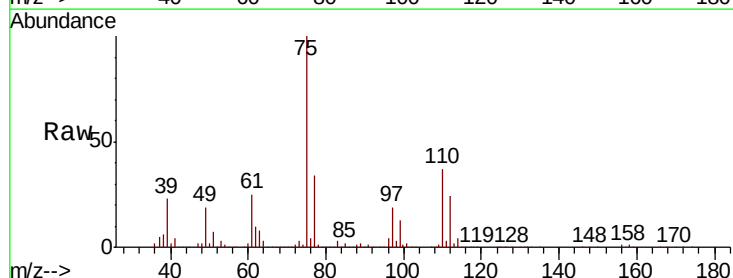
RT: 11.30 min Scan# 1664

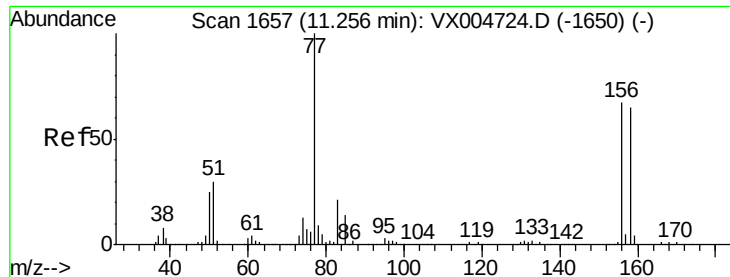
Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	75	Resp:	272236
Ion	Ratio	Lower	Upper
75	100		
77	40.3	20.2	60.6





#77

Bromobenzene

Concen: 52.687 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

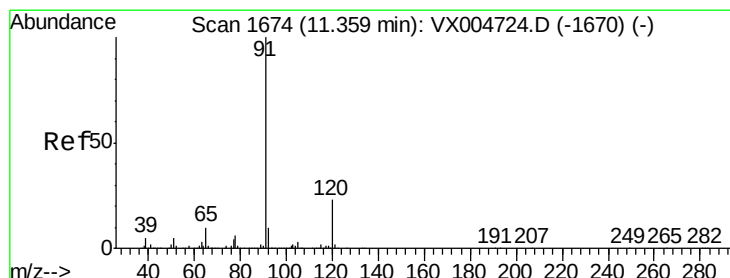
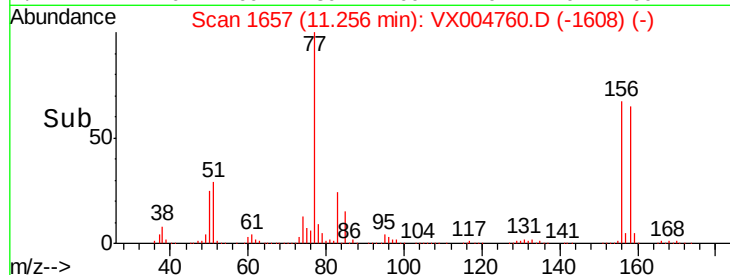
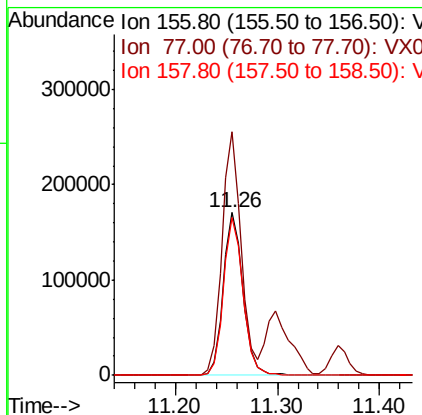
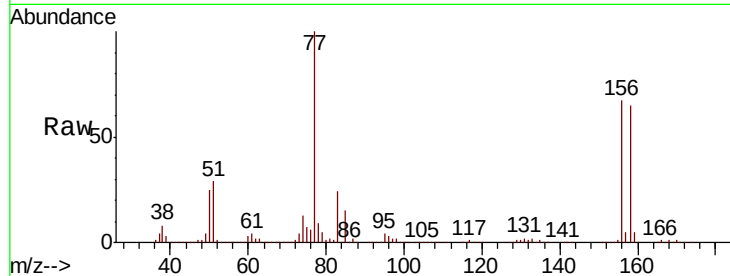
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	156	Resp:	227973
Ion	Ratio	Lower	Upper
156	100		
77	146.7	71.5	214.3
158	97.0	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 55.962 ug/l

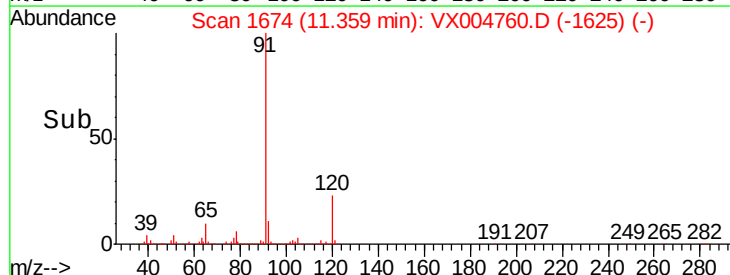
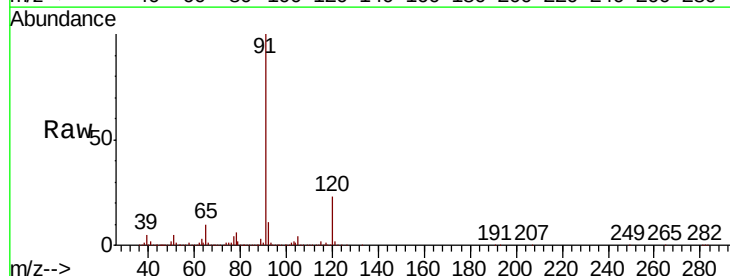
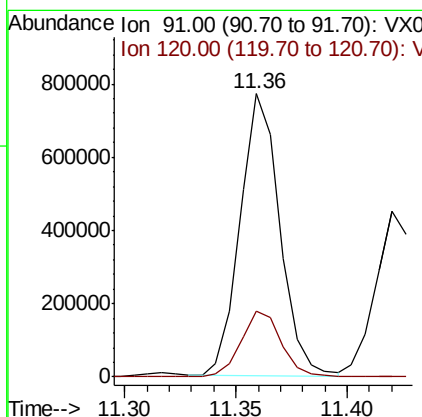
RT: 11.36 min Scan# 1674

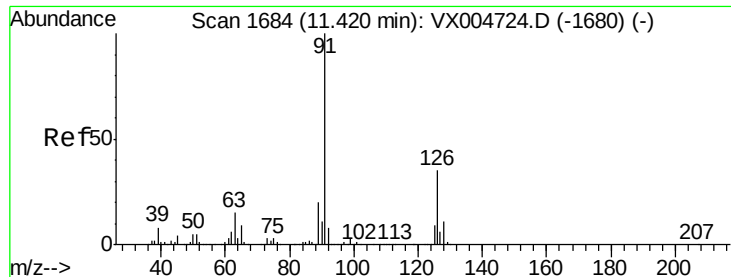
Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	91	Resp:	956529
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 53.597 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 91 Resp: 571024

Ion Ratio Lower Upper

91 100

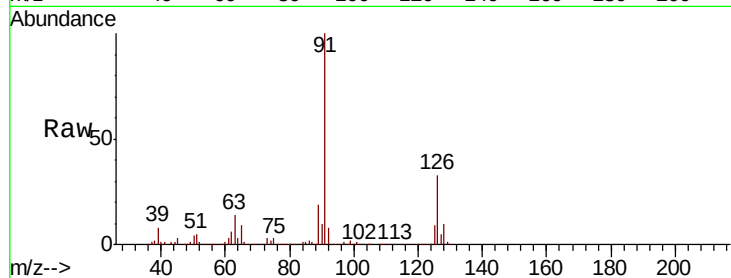
126 34.8 17.9 53.7

Manual Integrations

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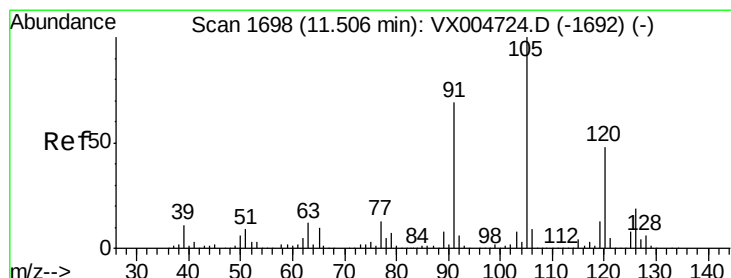
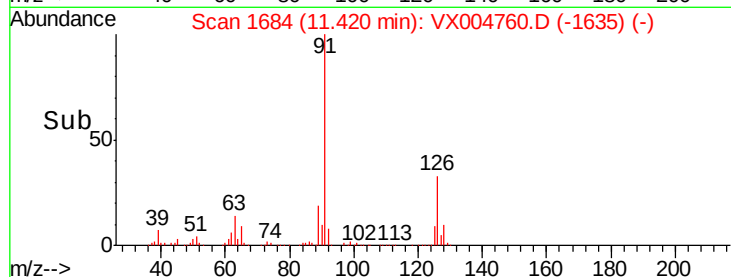
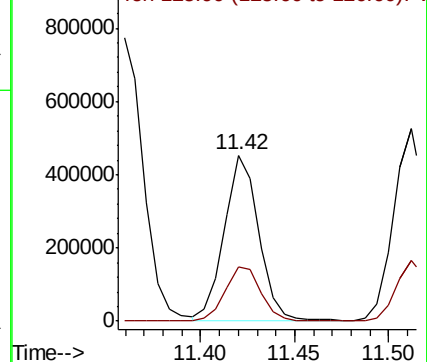
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.238 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004760.D

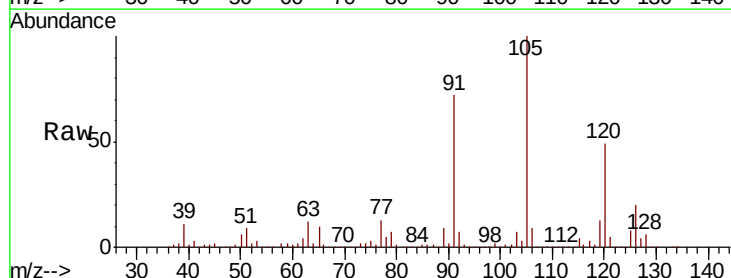
Acq: 27 Sep 2018 08:12

Tgt Ion:105 Resp: 699523

Ion Ratio Lower Upper

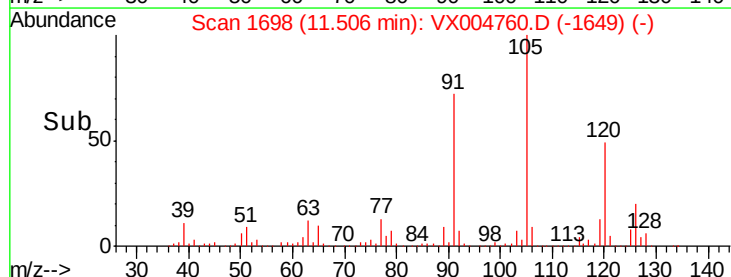
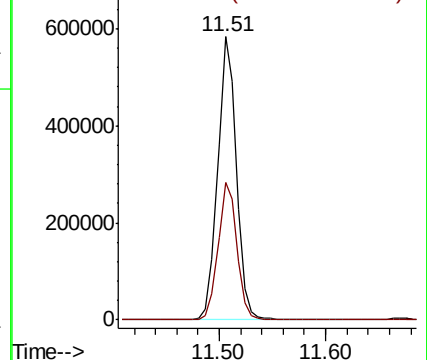
105 100

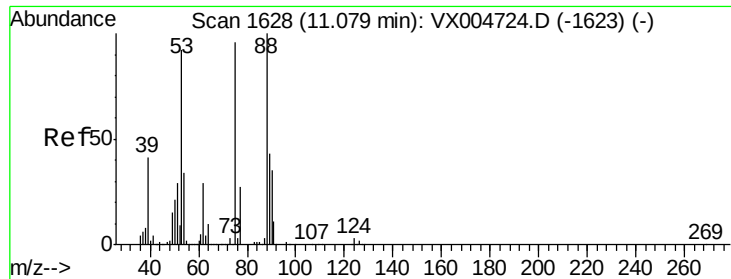
120 49.1 25.6 76.8



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: 39.259 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion: 75 Resp: 75387

Ion Ratio Lower Upper

75 100

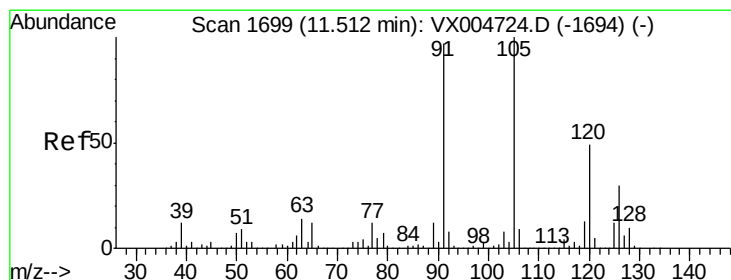
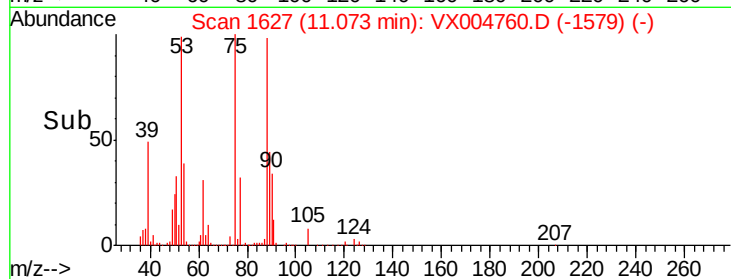
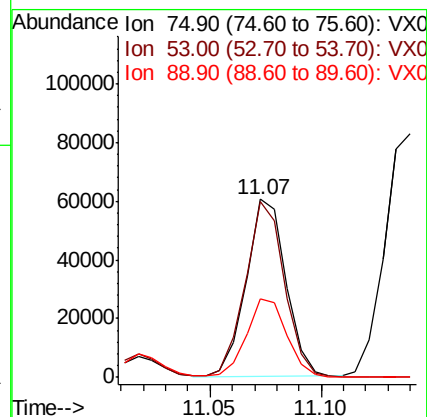
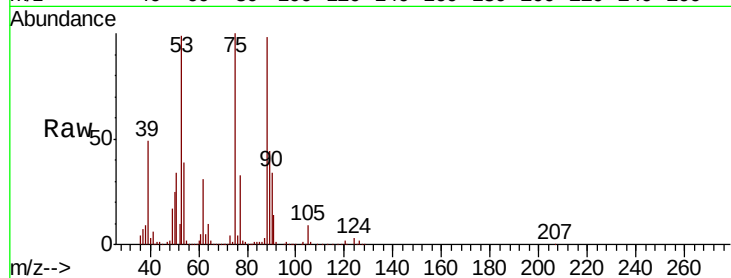
53 97.7 80.1 120.1

89 44.9 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.168 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004760.D

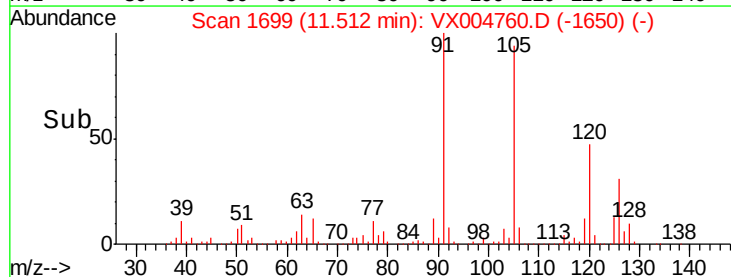
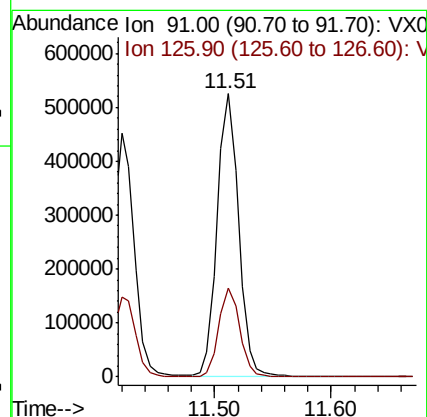
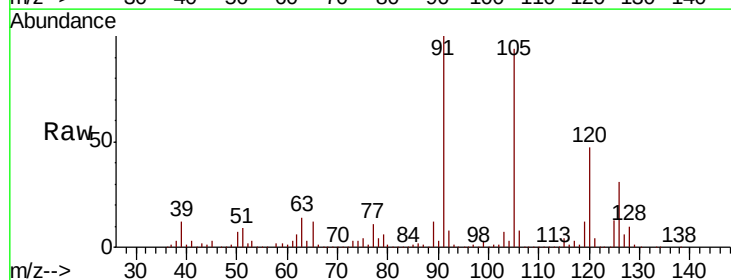
Acq: 27 Sep 2018 08:12

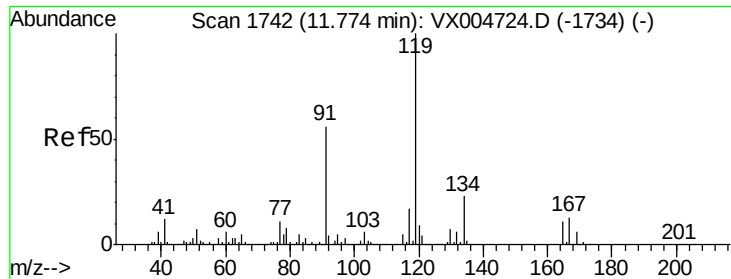
Tgt Ion: 91 Resp: 666746

Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5





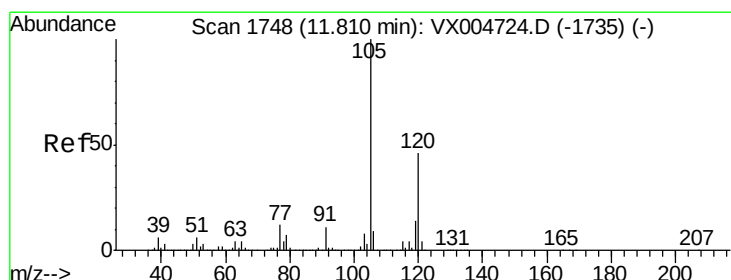
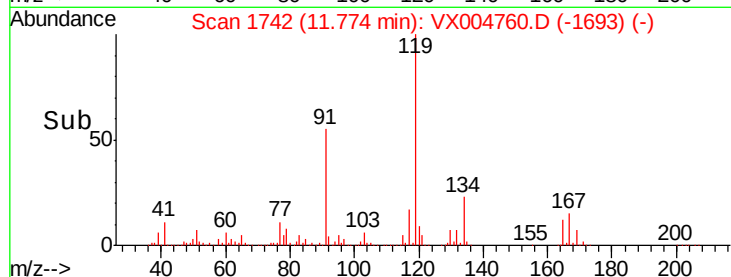
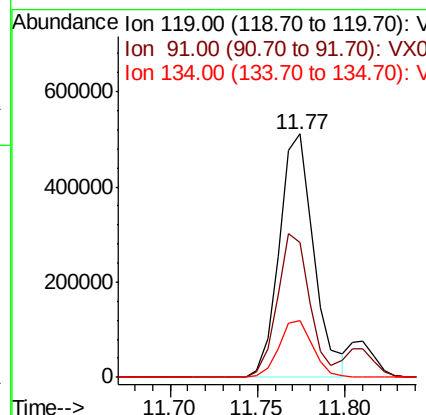
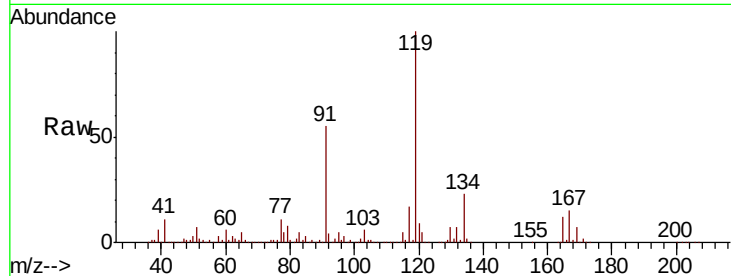
#83
 tert-Butylbenzene
 Concen: 57.342 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.4	27.0	81.0
134	23.1	11.7	35.1

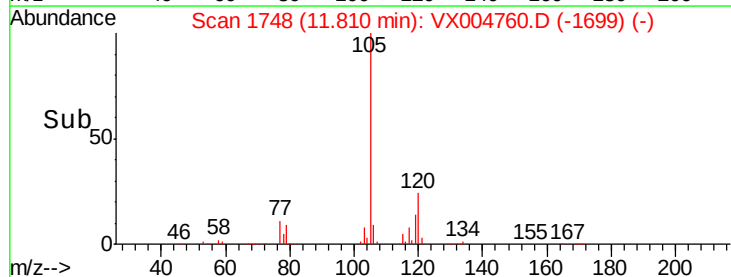
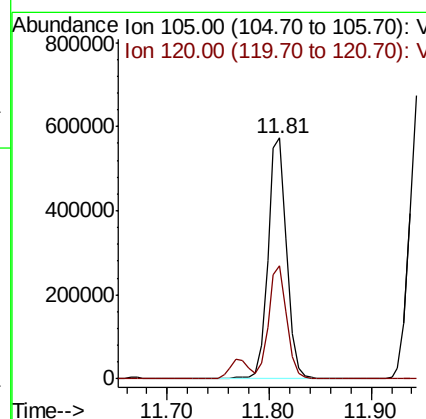
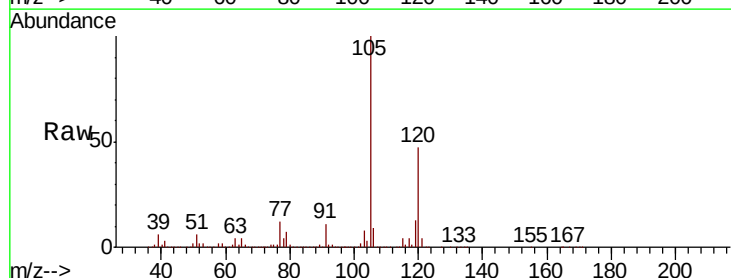
Manual Integrations
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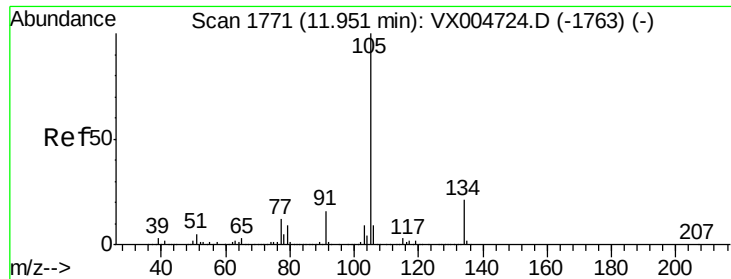
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.644 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 57.861 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:105 Resp: 864415

Ion Ratio Lower Upper

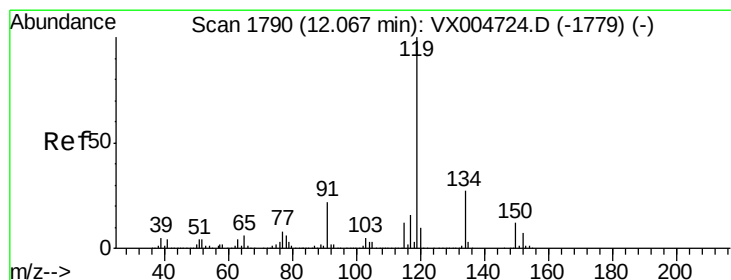
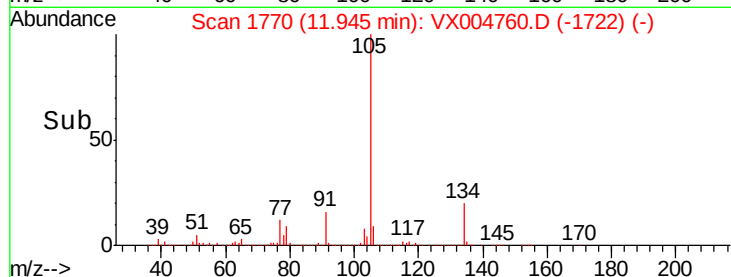
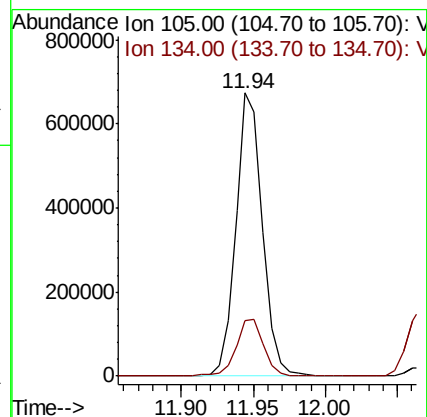
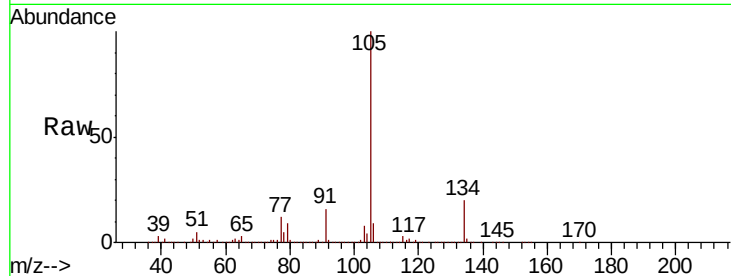
105 100

134 21.0 10.5 31.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 54.230 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

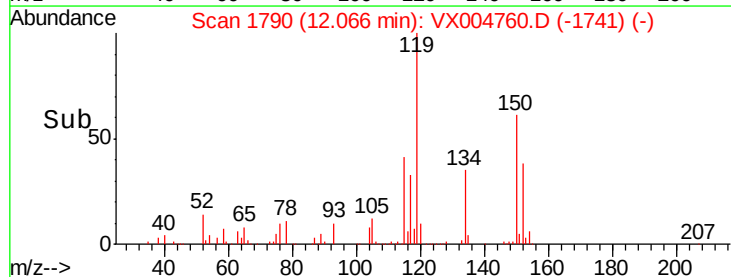
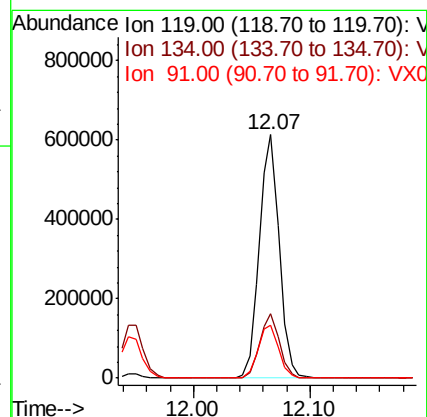
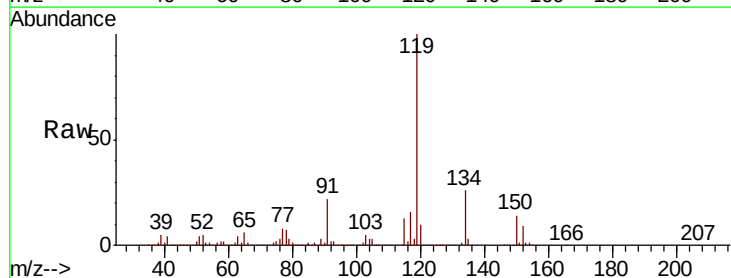
Tgt Ion:119 Resp: 734014

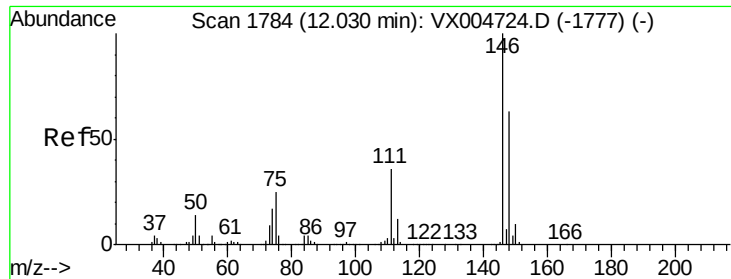
Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.2

91 22.4 10.9 32.7





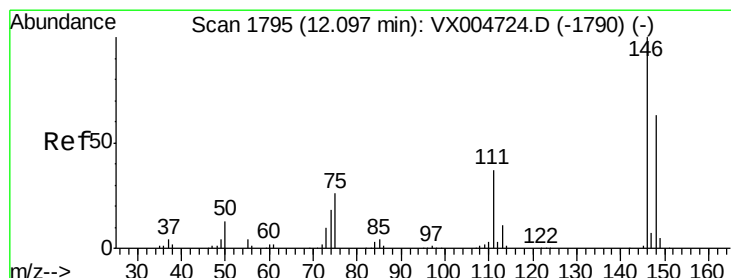
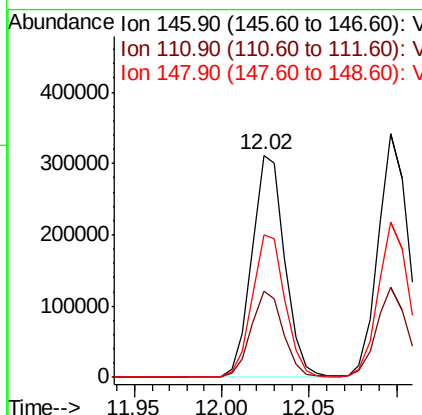
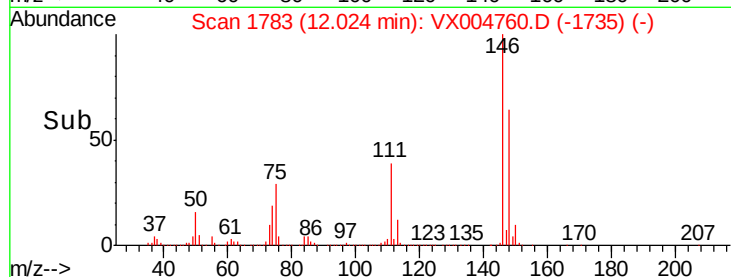
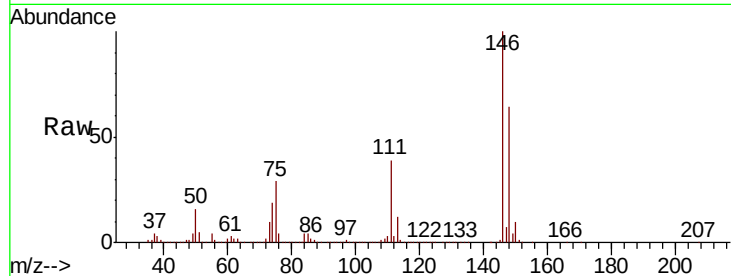
#87
 1,3-Dichlorobenzene
 Concen: 50.412 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	64.2	32.1	96.5

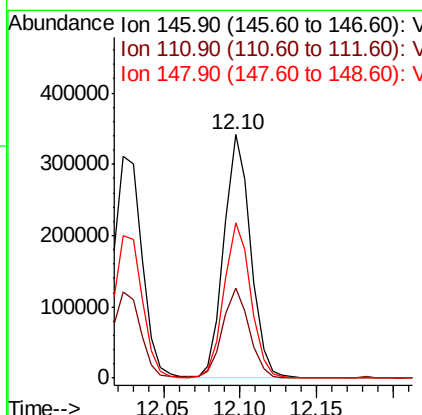
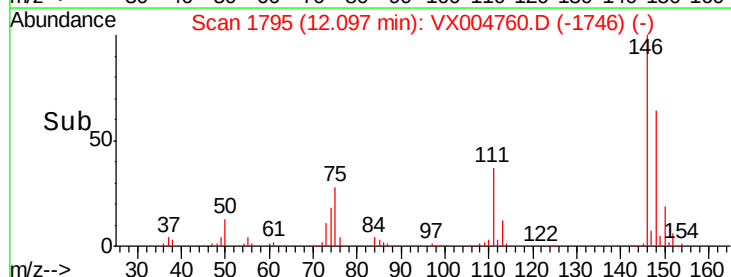
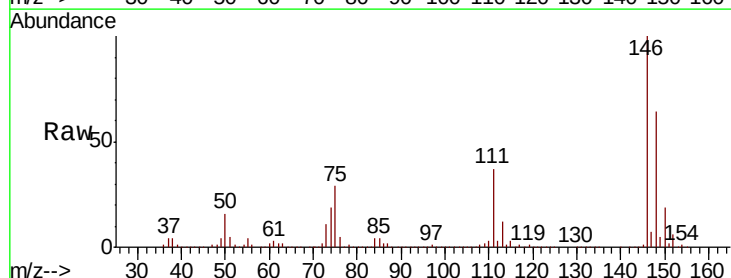
Manual Integrations
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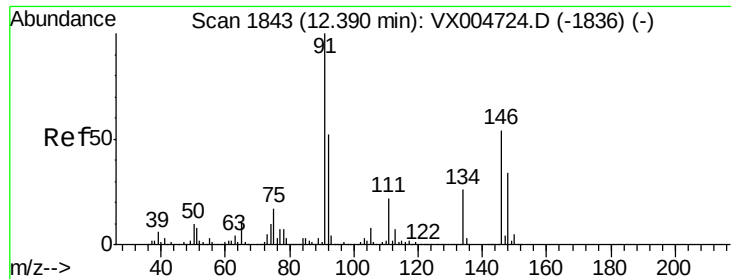
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#88
 1,4-Dichlorobenzene
 Concen: 49.555 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	64.3	32.0	96.0





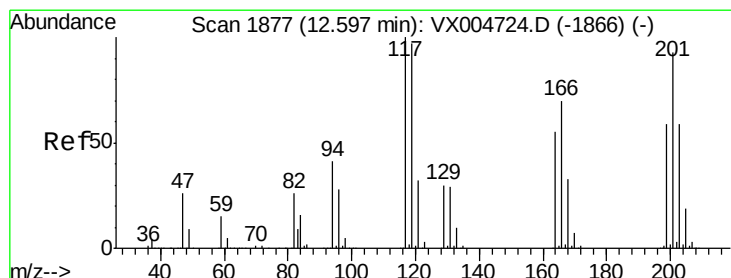
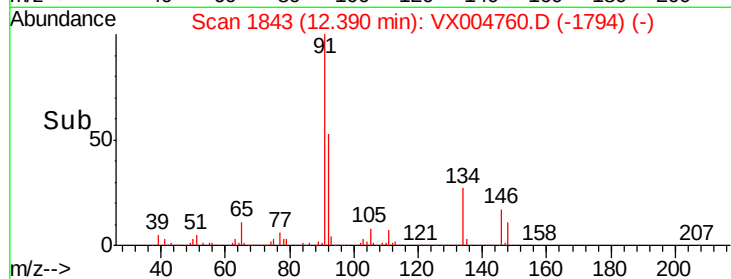
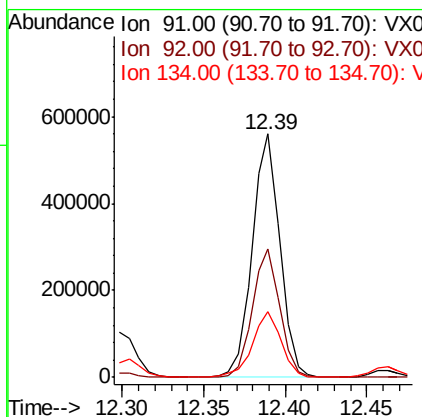
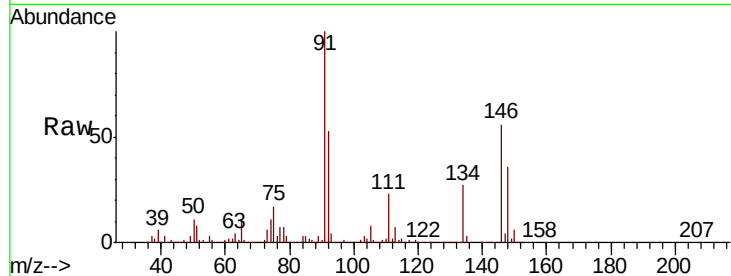
#89
n-Butylbenzene
Concen: 54.008 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.3	81.9
134	28.3	13.6	40.7

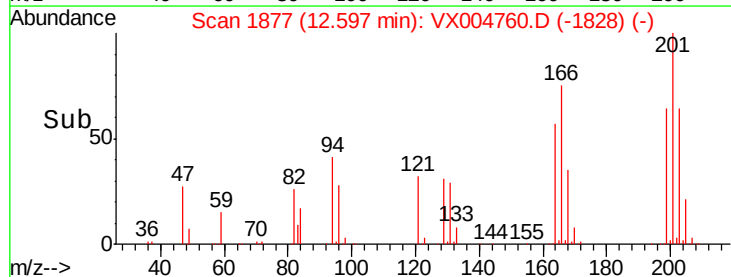
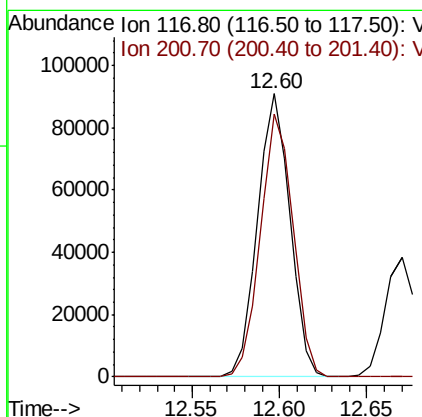
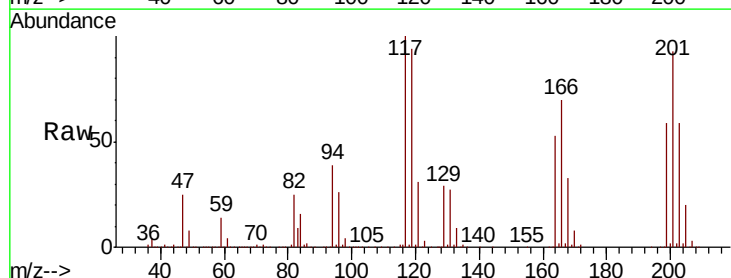
Manual Integrations
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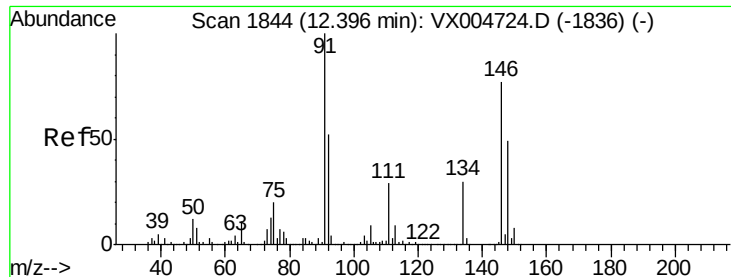
MMDadoda
9/27/2018 12:51:14 PM



#90
Hexachloroethane
Concen: 52.172 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	46.9	140.6





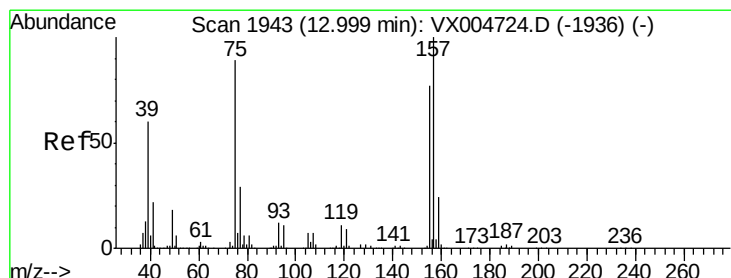
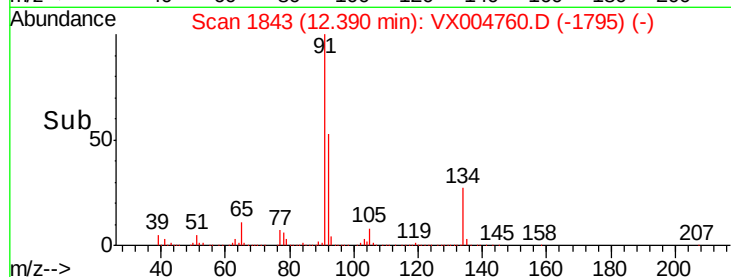
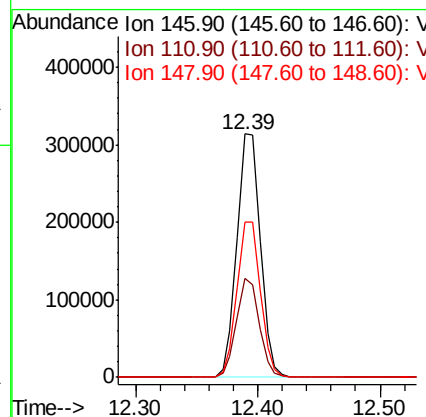
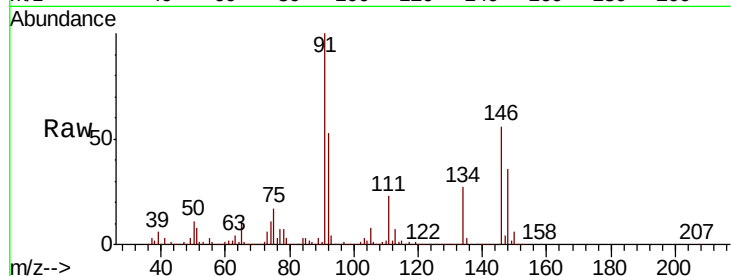
#91
 1,2-Dichlorobenzene
 Concen: 49.100 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.1
148	63.9	32.8	98.3

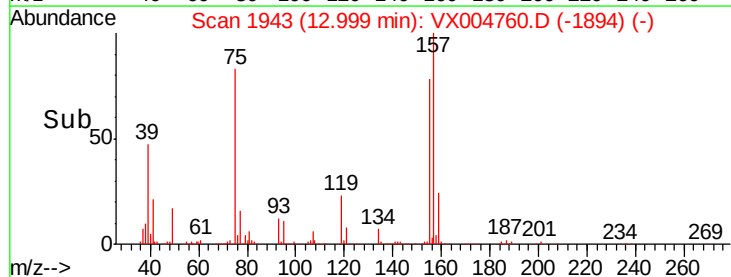
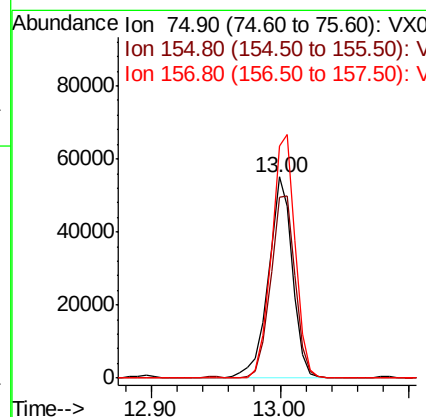
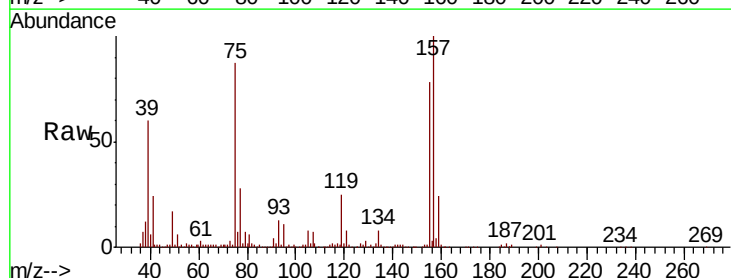
Manual Integrations
 APPROVED

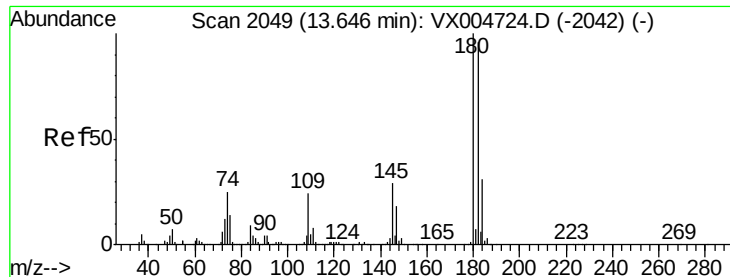
MMDadoda
 9/27/2018 12:51:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.483 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004760.D
 Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.0	144.2
157	119.5	61.4	184.1





#93

1,2,4-Trichlorobenzene

Concen: 52.884 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Instrument :

MSVOA_X

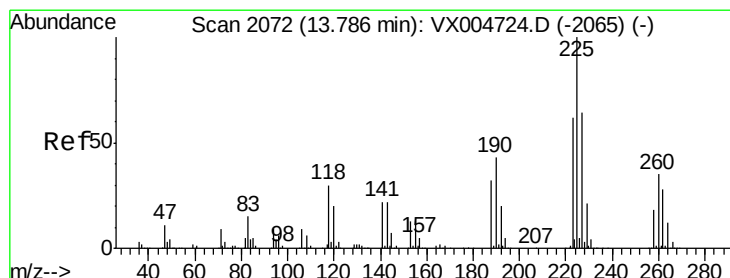
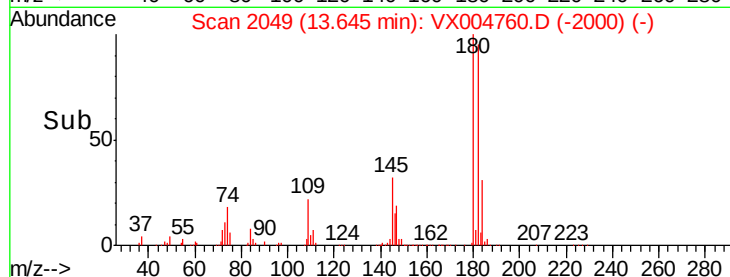
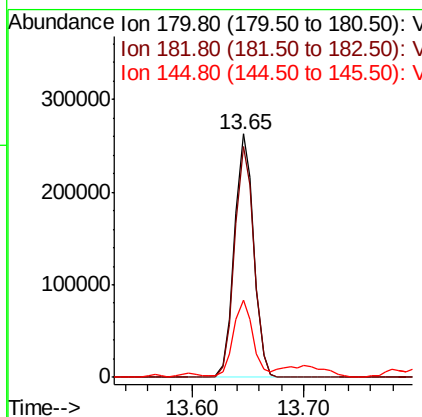
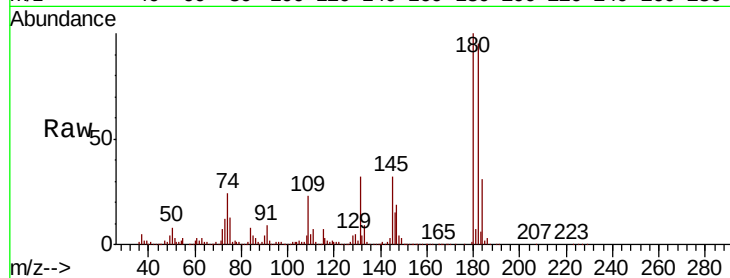
ClientSampleId :

T11-MW-4-9.0-092018MSD

Tot Ion:	180	Resp:	313234
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.4	145.0
145	32.5	14.3	42.9

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 43.752 ug/l

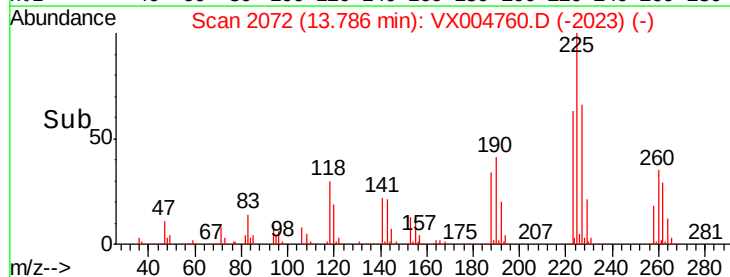
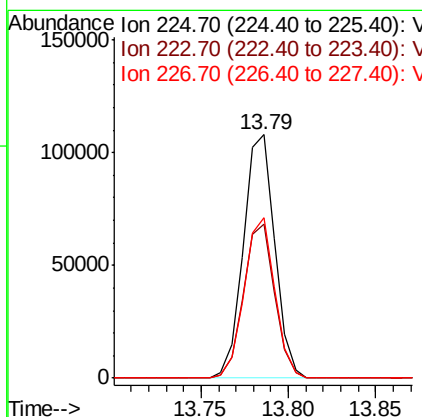
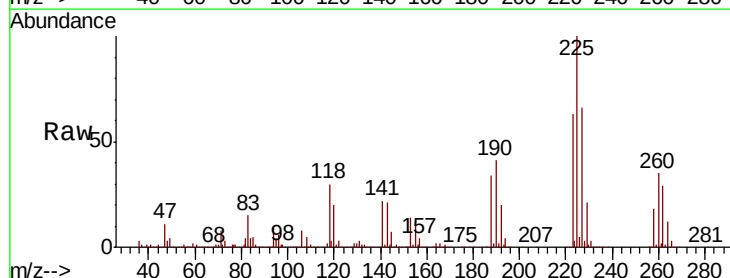
RT: 13.79 min Scan# 2072

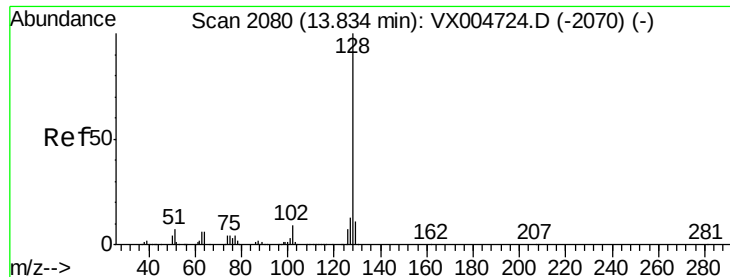
Delta R.T. -0.00 min

Lab File: VX004760.D

Acq: 27 Sep 2018 08:12

Tgt Ion:	225	Resp:	134381
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.1	90.5
227	64.2	30.8	92.4





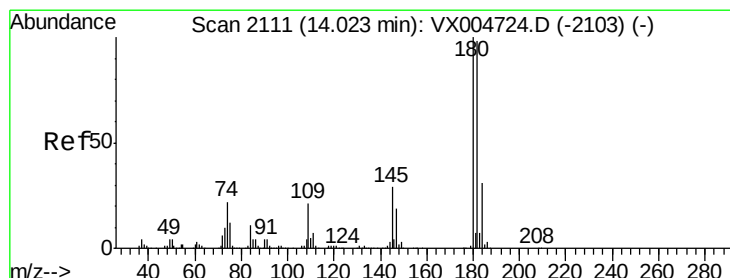
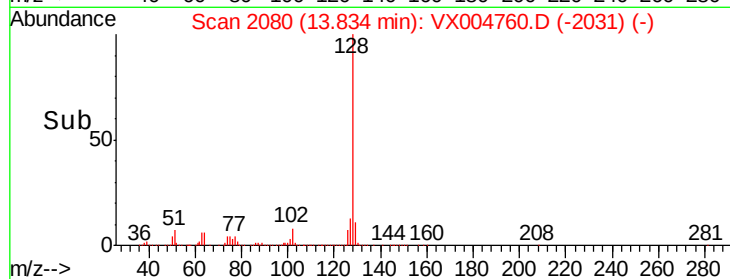
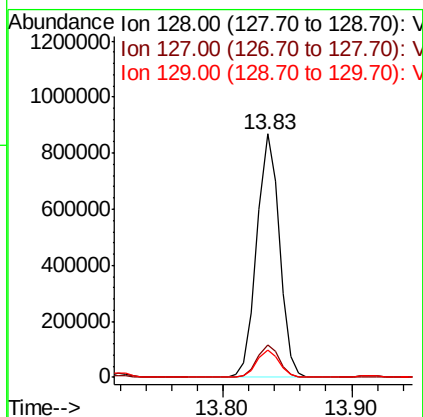
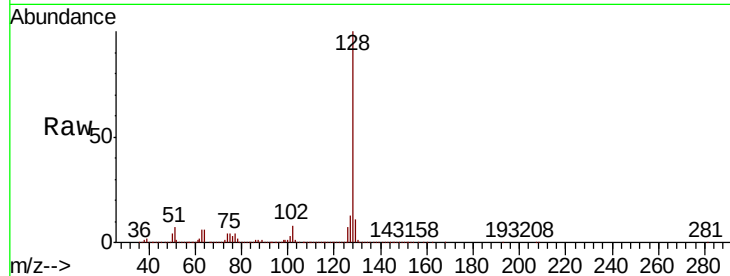
#95
Naphthalene
Concen: 53.009 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.4	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.247 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004760.D
Acq: 27 Sep 2018 08:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.6
145	31.7	14.9	44.9

