

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX080919\
 Data File : VX011404.D
 Acq On : 09 Aug 2019 12:58
 Operator : JC/SP
 Sample : K4251-04MSD 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:50:03 PM

Quant Time: Aug 11 00:23:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	240383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	120737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	91277	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
35) Dibromofluoromethane	5.49	113	80620	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	8.71	98	299965	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	113762	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	58003	45.929	ug/l	98
3) Chloromethane	1.32	50	62646	44.174	ug/l	98
4) Vinyl Chloride	1.40	62	70555	45.229	ug/l	96
5) Bromomethane	1.63	94	48287	43.402	ug/l	98
6) Chloroethane	1.71	64	46426	47.965	ug/l	99
7) Trichlorofluoromethane	1.92	101	128488	46.323	ug/l	98
8) Diethyl Ether	2.18	74	44889	45.323	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72142	48.069	ug/l	99
10) Methyl Iodide	2.50	142	94827	50.116	ug/l	98
11) Tert butyl alcohol	3.04	59	86442	263.255	ug/l	100
12) 1,1-Dichloroethene	2.36	96	69668	46.829	ug/l	89
13) Acrolein	2.29	56	56184	275.373	ug/l	100
14) Allyl chloride	2.72	41	106823	53.861	ug/l	96
15) Acrylonitrile	3.14	53	212554	271.263	ug/l	99
16) Acetone	2.44	43	177144	226.013	ug/l	96
17) Carbon Disulfide	2.56	76	161108	46.148	ug/l	99
18) Methyl Acetate	2.76	43	98329	54.897	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	236655	53.979	ug/l	99
20) Methylene Chloride	2.85	84	79398	46.255	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	76611	48.681	ug/l	94
22) Diisopropyl ether	3.85	45	228887	52.509	ug/l	99
23) Vinyl Acetate	3.81	43	1023910	283.210	ug/l	97
24) 1,1-Dichloroethane	3.69	63	130991	50.963	ug/l	98
25) 2-Butanone	4.67	43	295114	264.694	ug/l	99
26) 2,2-Dichloropropane	4.57	77	106990	53.547	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	90835	50.111	ug/l	98
28) Bromochloromethane	5.01	49	62432	53.280	ug/l	98
29) Tetrahydrofuran	5.12	42	184888	270.456	ug/l	99
30) Chloroform	5.20	83	146439	52.420	ug/l	95
31) Cyclohexane	5.57	56	103850	48.973	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	128099	53.528	ug/l	99
36) 1,1-Dichloropropene	5.79	75	103474	49.302	ug/l	98
37) Ethyl Acetate	4.82	43	112517	53.447	ug/l	99
38) Carbon Tetrachloride	5.78	117	113479	53.743	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	113195	45.501	ug/l	98
40) Benzene	6.13	78	312045	49.824	ug/l	96
41) Methacrylonitrile	5.04	41	60333	52.476	ug/l	97
42) 1,2-Dichloroethane	6.19	62	115236	54.413	ug/l	97
43) Isopropyl Acetate	6.44	43	180604	53.659	ug/l	100
44) Trichloroethene	7.21	130	89860	47.402	ug/l	96
45) 1,2-Dichloropropane	7.51	63	80377	49.555	ug/l	94
46) Dibromomethane	7.66	93	58688	49.565	ug/l	97
47) Bromodichloromethane	7.89	83	109440	54.591	ug/l	97
48) Methyl methacrylate	7.76	41	88327	55.763	ug/l	97
49) 1,4-Dioxane	7.74	88	41733	908.804	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	602425	277.342	ug/l	99
52) Toluene	8.78	92	207465	50.102	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	117976	50.502	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	125353	53.529	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	87615	51.462	ug/l	99
56) Ethyl methacrylate	9.18	69	130810	53.916	ug/l	97
57) 1,3-Dichloropropane	9.37	76	139638	51.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	160254	134.336	ug/l	99
59) 2-Hexanone	9.49	43	462575	274.940	ug/l	99
60) Dibromochloromethane	9.58	129	95748	54.931	ug/l	98
61) 1,2-Dibromoethane	9.67	107	95209	51.761	ug/l	99
64) Tetrachloroethene	9.34	164	89430	46.540	ug/l	98
65) Chlorobenzene	10.13	112	235224	48.484	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88248	53.131	ug/l	99
67) Ethyl Benzene	10.25	91	419676	51.652	ug/l	97
68) m/p-Xylenes	10.35	106	339294	107.960	ug/l	97
69) o-Xylene	10.69	106	153819	49.814	ug/l	97
70) Styrene	10.71	104	262196	51.317	ug/l	98
71) Bromoform	10.85	173	72849	49.107	ug/l #	100
73) Isopropylbenzene	11.02	105	483092	58.503	ug/l	99
74) N-amyl acetate	10.90	43	164029	54.975	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	138365	50.281	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	118030m	53.680	ug/l	
77) Bromobenzene	11.25	156	113720	49.664	ug/l	97
78) n-propylbenzene	11.36	91	608754	66.292	ug/l	99
79) 2-Chlorotoluene	11.42	91	290025	52.989	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	366476	53.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40737	49.521	ug/l	96
82) 4-Chlorotoluene	11.51	91	323330	50.689	ug/l	98
83) tert-Butylbenzene	11.77	119	367823	54.255	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1080815	157.045	ug/l	100
85) sec-Butylbenzene	11.94	105	448505	55.063	ug/l	98
86) p-Isopropyltoluene	12.06	119	412665	55.070	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200768	49.624	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	200864	48.147	ug/l	98
89) n-Butylbenzene	12.38	91	356059	55.153	ug/l	98
90) Hexachloroethane	12.59	117	66848	60.340	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	200964	49.436	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31086	58.307	ug/l	94

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Instrument :
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ClientSampleId :
EP1-MW-K-0819MSD

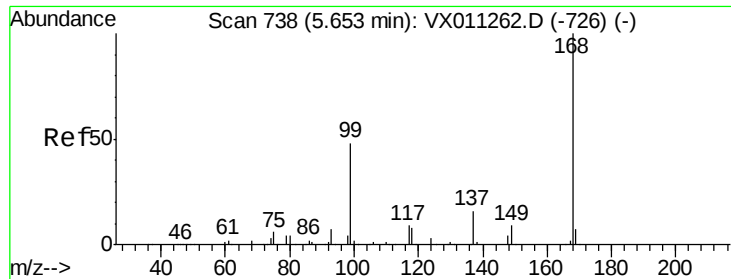
Manual Integrations
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8/12/2019 12:50:03 PM

Quant Time: Aug 11 00:23:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138401	51.337	ug/l	99
94) Hexachlorobutadiene	13.78	225	68972	50.426	ug/l	98
95) Naphthalene	13.83	128	442513	56.129	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	139405	50.863	ug/l	100

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



#1

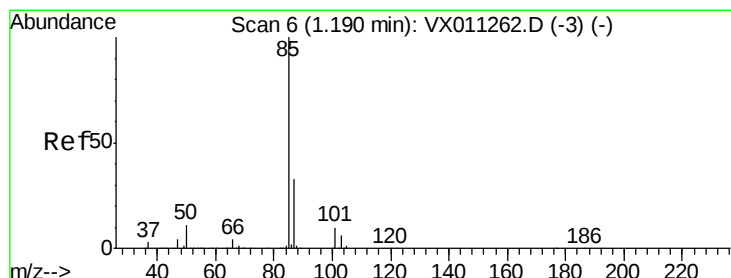
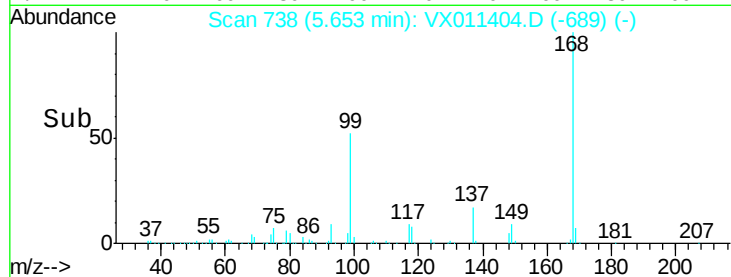
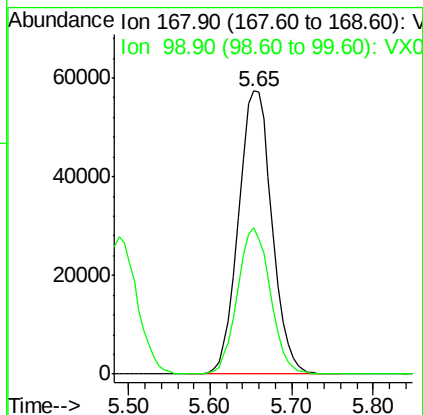
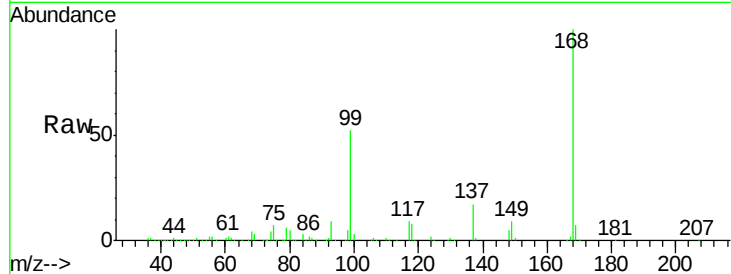
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.4	38.5	57.7

Manual Integrations
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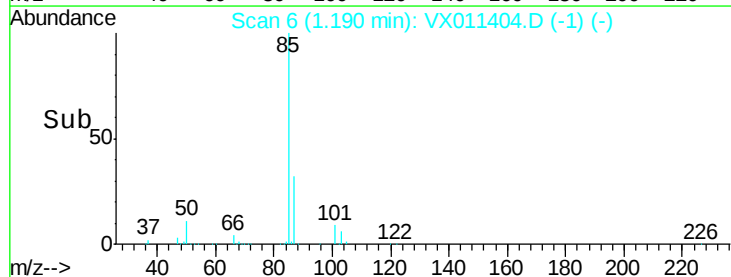
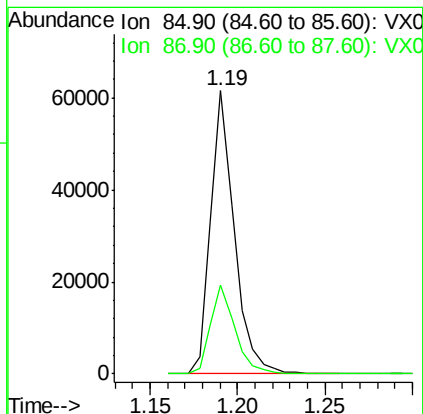
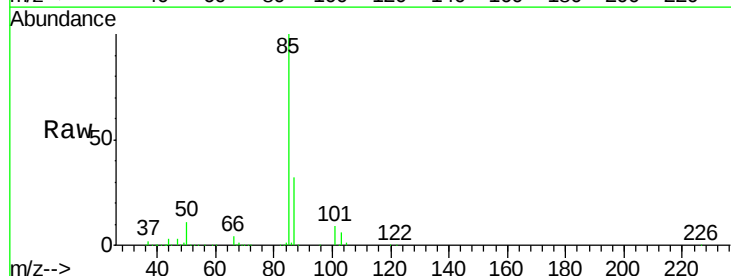
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#2

Dichlorodifluoromethane
Concen: 45.929 ug/l
RT: 1.19 min Scan# 6
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.4	49.1





#3

Chloromethane

Concen: 44.174 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion: 50 Resp: 62646

Ion Ratio Lower Upper

50 100

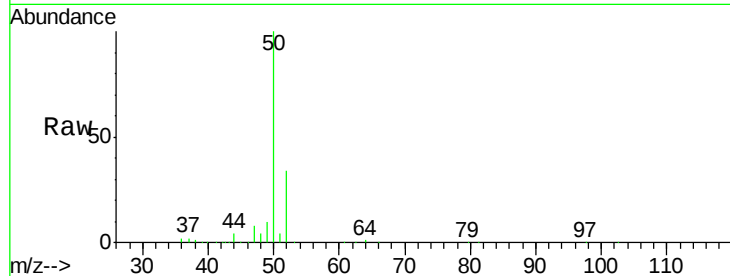
52 34.1 26.4 39.6

Manual Integrations

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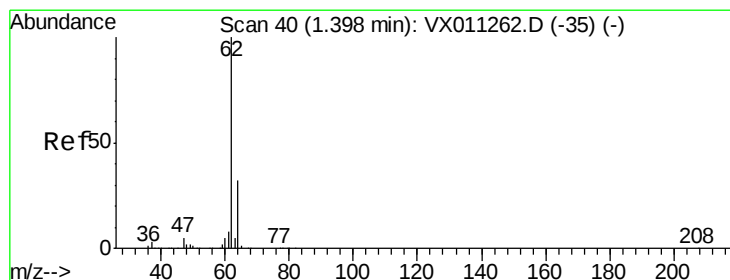
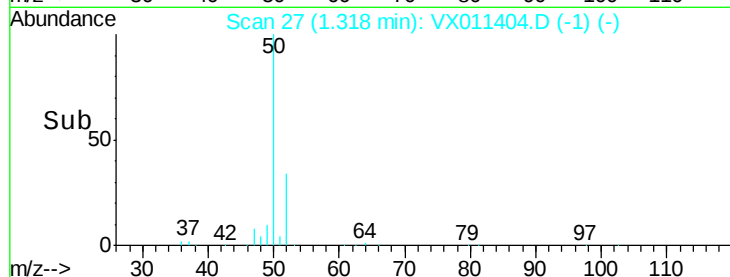
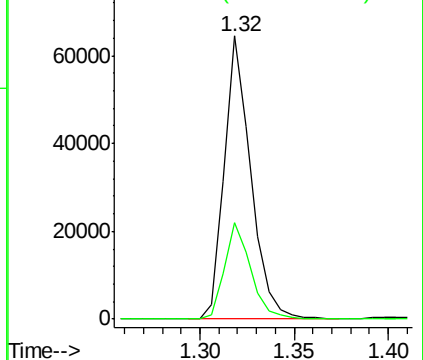
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.229 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011404.D

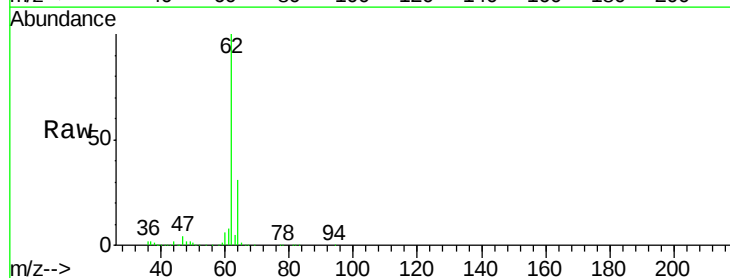
Acq: 09 Aug 2019 12:58

Tgt Ion: 62 Resp: 70555

Ion Ratio Lower Upper

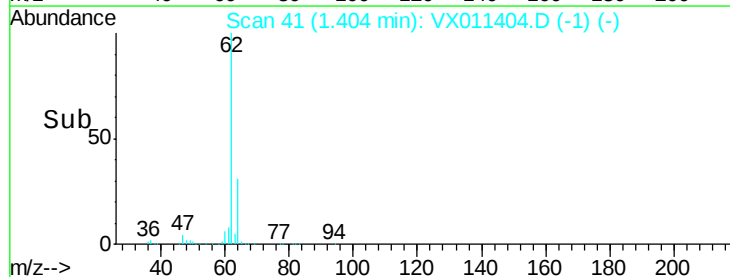
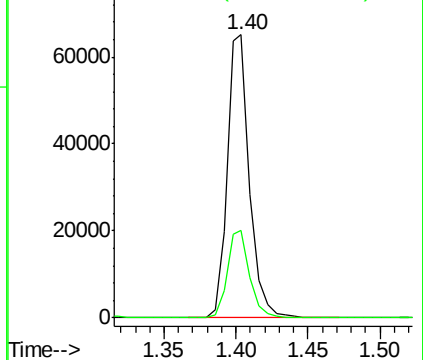
62 100

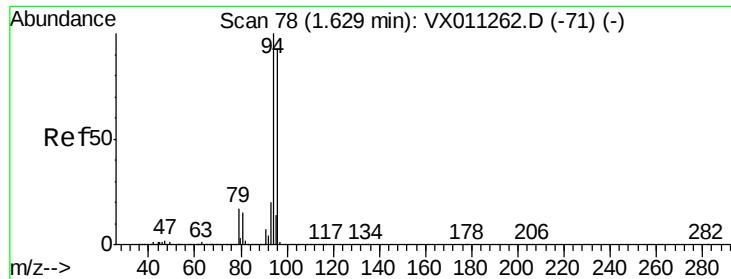
64 30.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.402 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion: 94 Resp: 48287

Ion Ratio Lower Upper

94 100

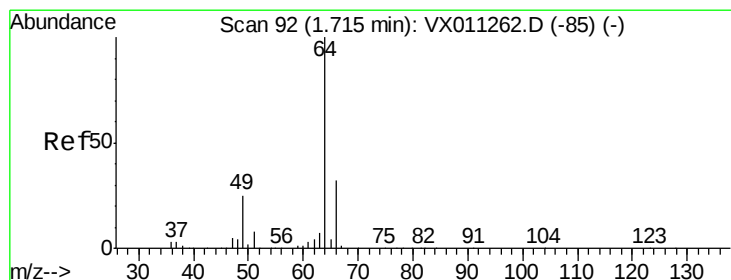
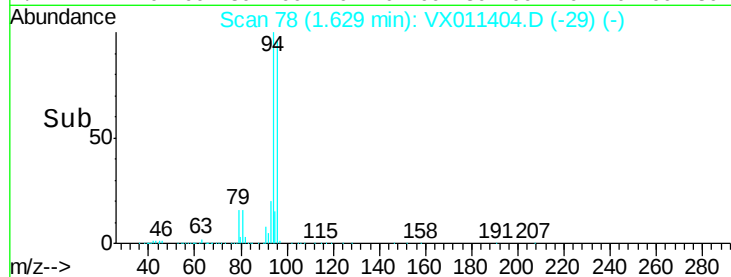
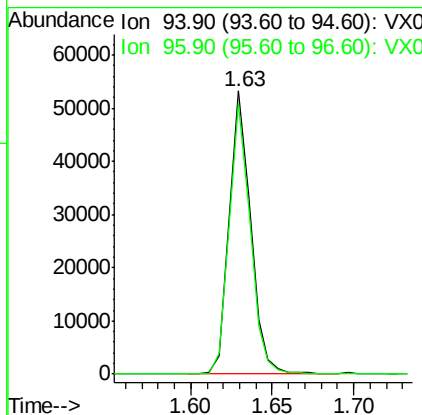
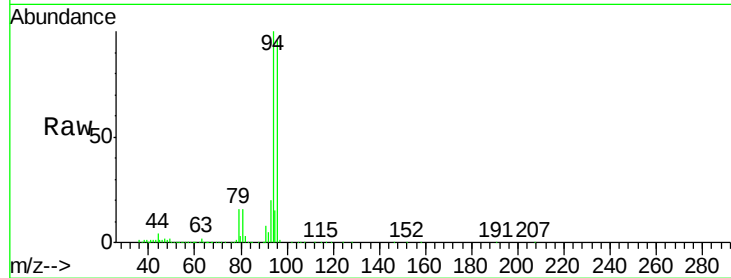
96 95.6 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 47.965 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011404.D

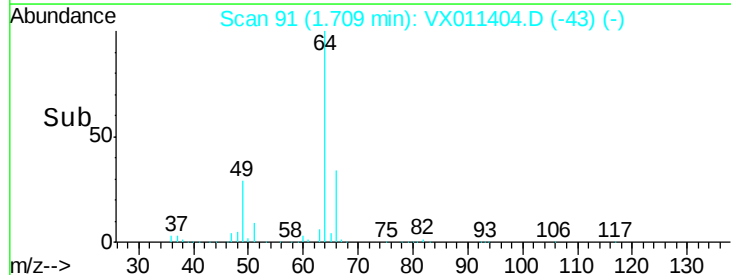
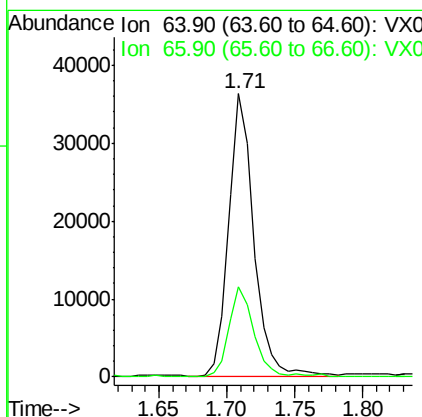
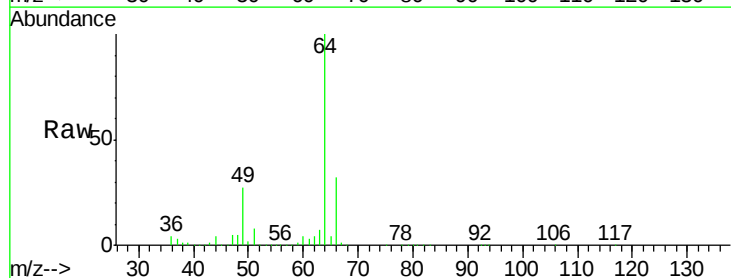
Acq: 09 Aug 2019 12:58

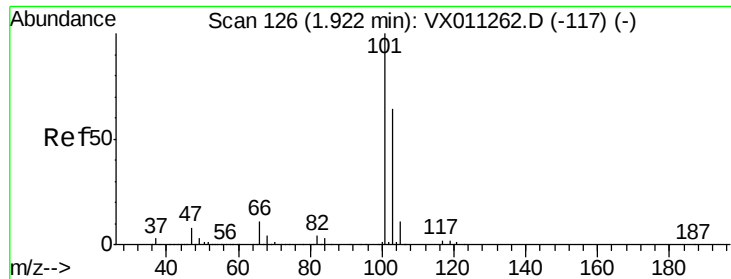
Tgt Ion: 64 Resp: 46426

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7





#7

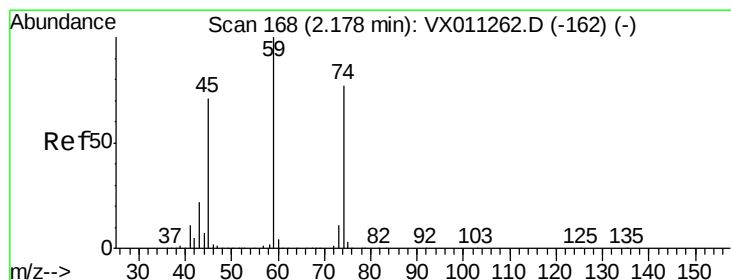
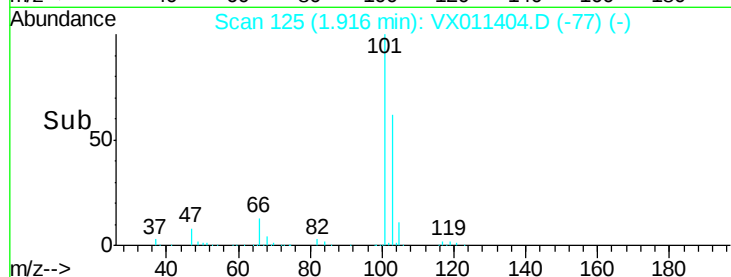
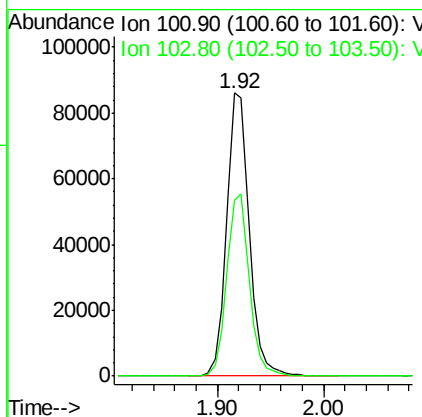
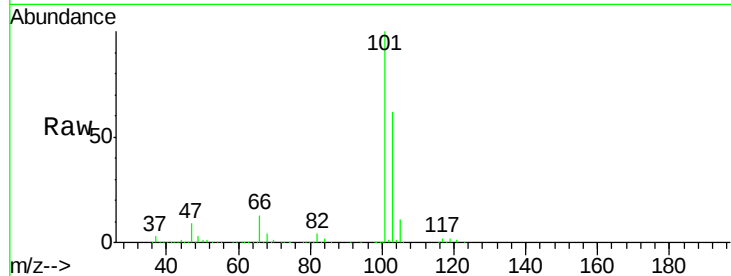
Trichlorofluoromethane
Concen: 46.323 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	128488		
103	62.3	50.9	76.3	

Manual Integrations
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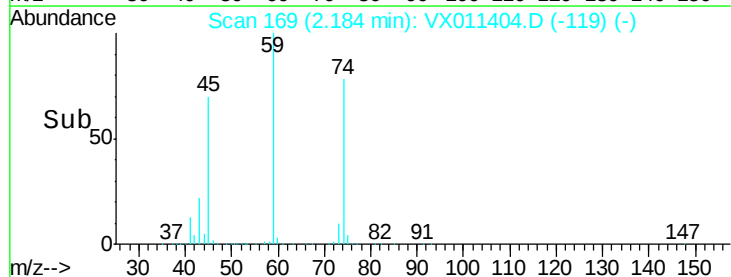
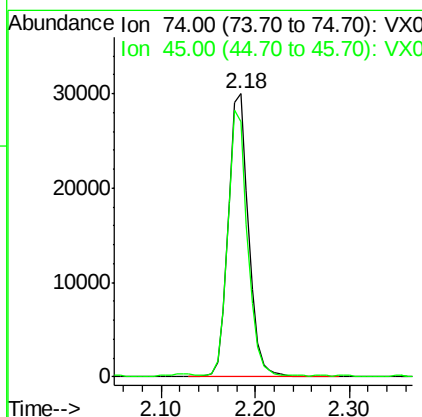
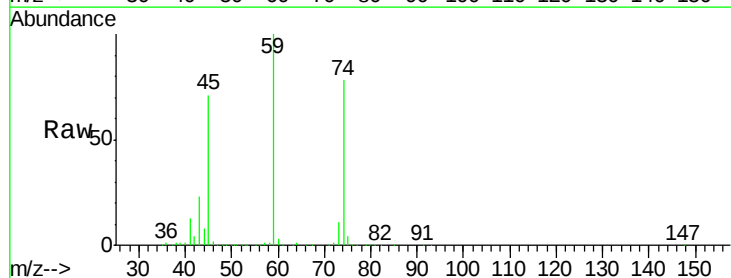
MMDadoda
8/12/2019 12:50:03 PM



#8

Diethyl Ether
Concen: 45.323 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44889		
45	90.0	46.1	138.3	





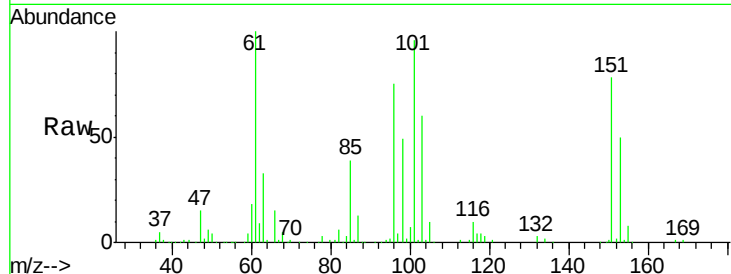
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.069 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.5	33.8	50.6
151	85.2	69.5	104.3

Manual Integrations
APPROVED

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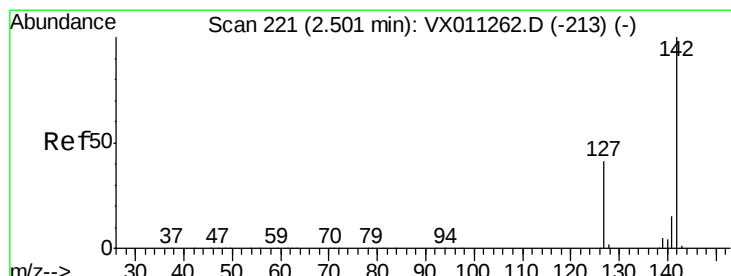
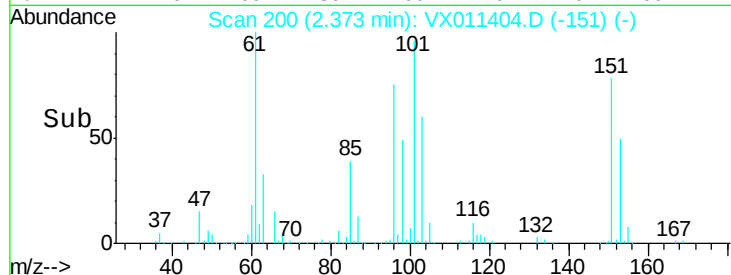
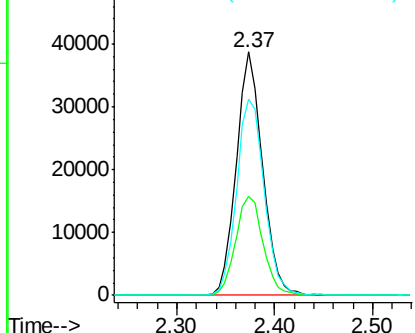


Abundance

Ion 100.90 (100.60 to 101.60): V

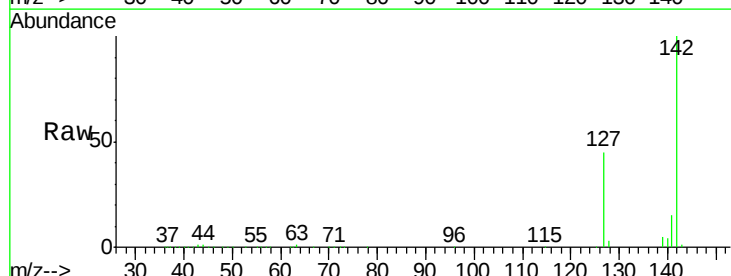
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 50.116 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.1	33.8	50.8
141	14.5	11.4	17.2

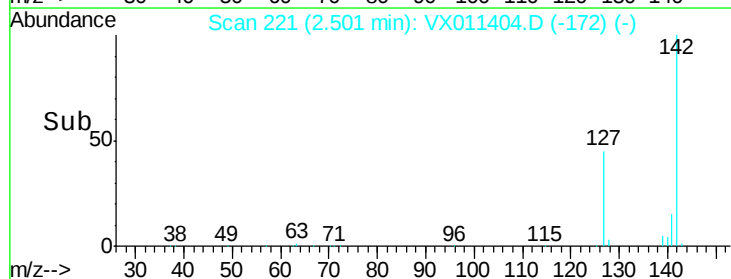
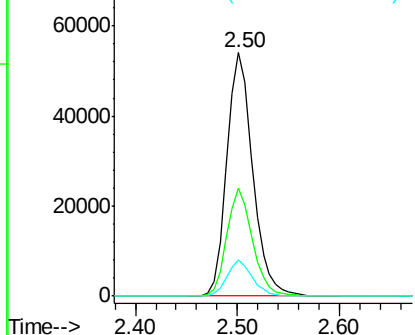


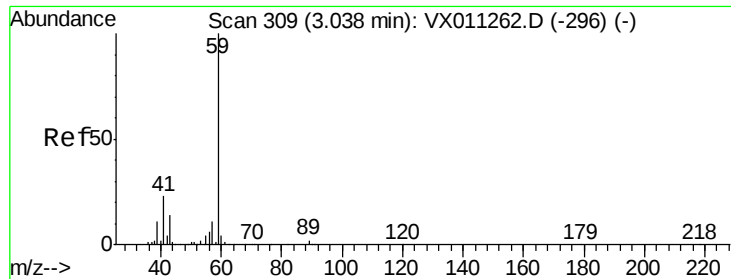
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

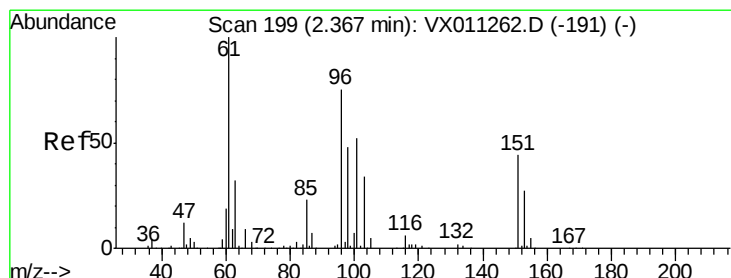
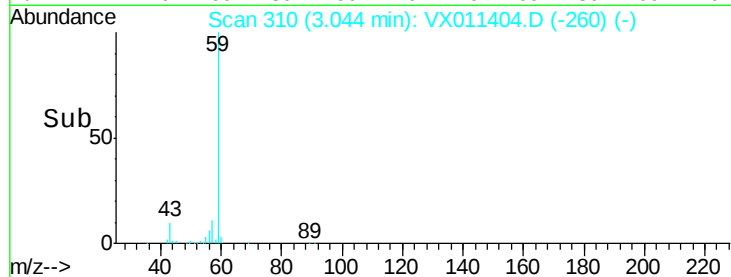
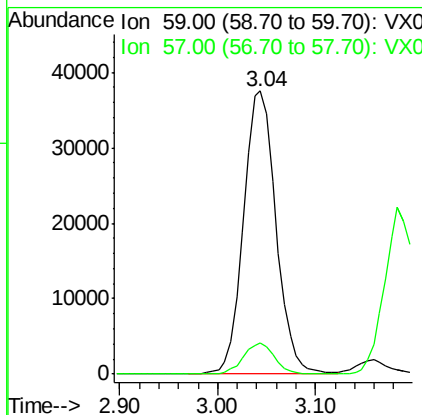
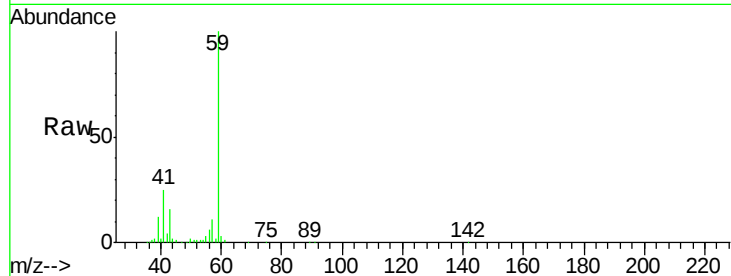
Tert butyl alcohol
Concen: 263.255 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	59	Resp	86442
Ion Ratio	100	Lower	Upper
57	10.6	8.3	12.5

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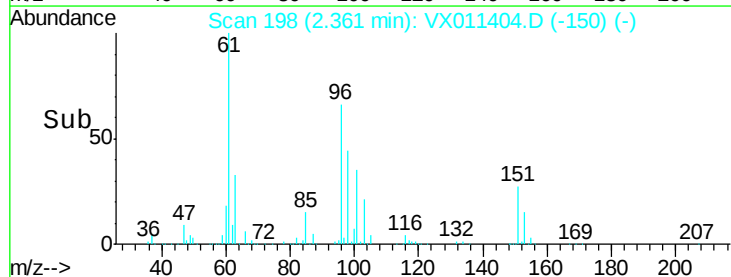
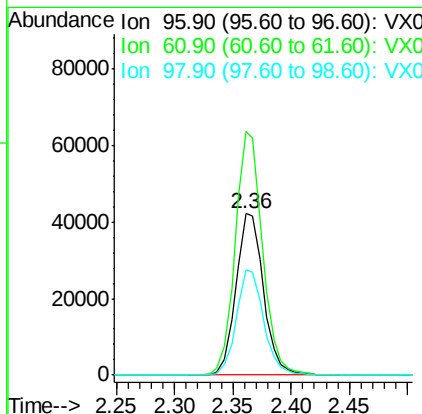
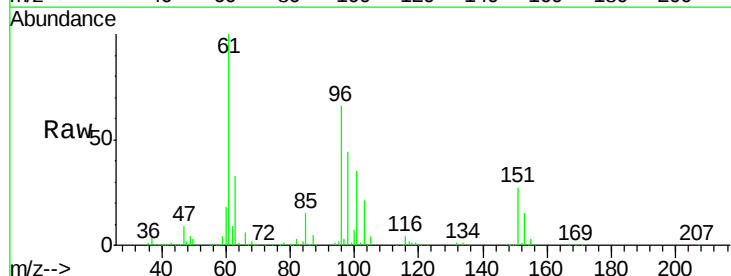
MMDadoda
8/12/2019 12:50:03 PM

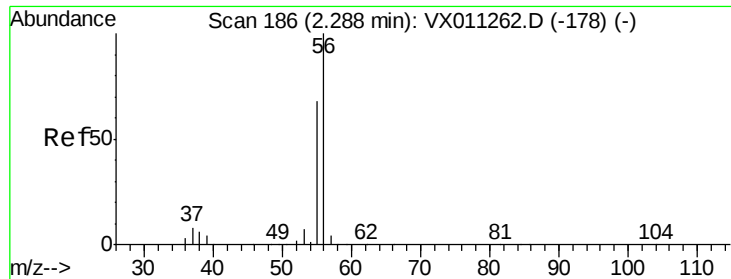


#12

1,1-Dichloroethene
Concen: 46.829 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	96	Resp	69668
Ion Ratio	100	Lower	Upper
61	150.9	106.2	159.2
98	65.7	50.6	75.8





#13

Acrolein

Concen: 275.373 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion: 56 Resp: 56184

Ion Ratio Lower Upper

56 100

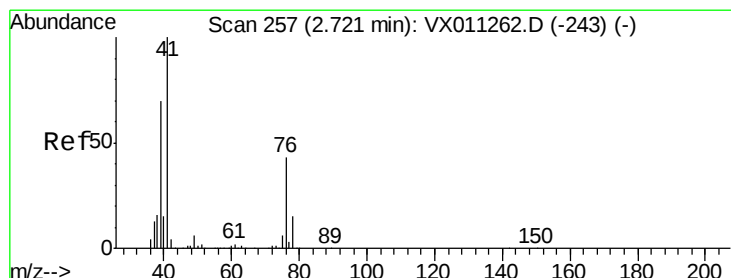
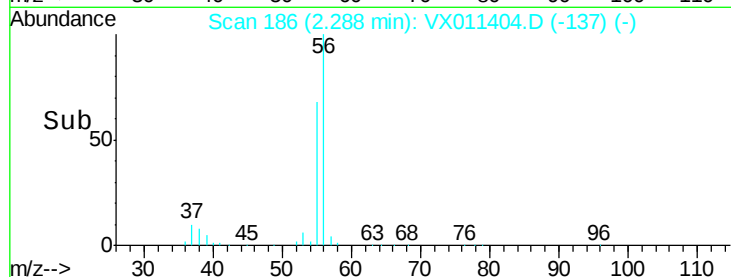
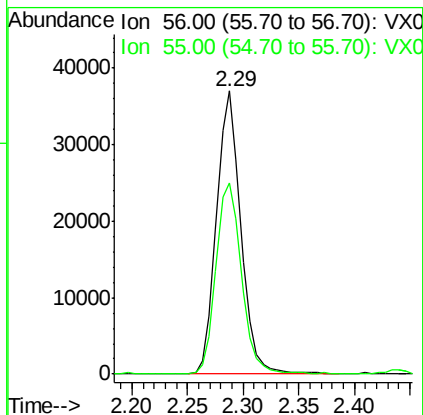
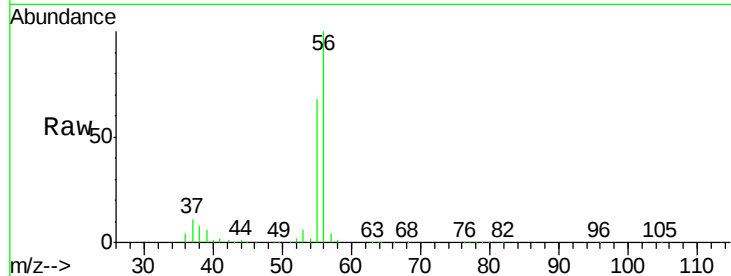
55 70.1 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 53.861 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

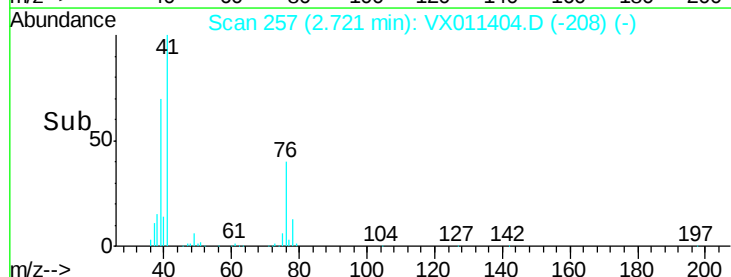
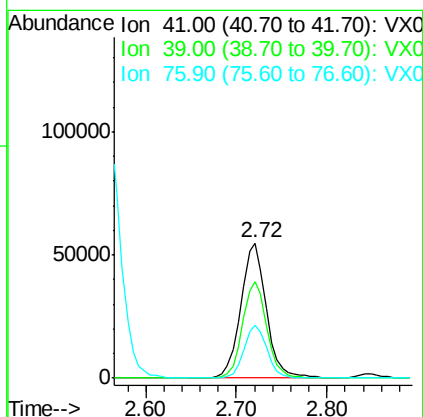
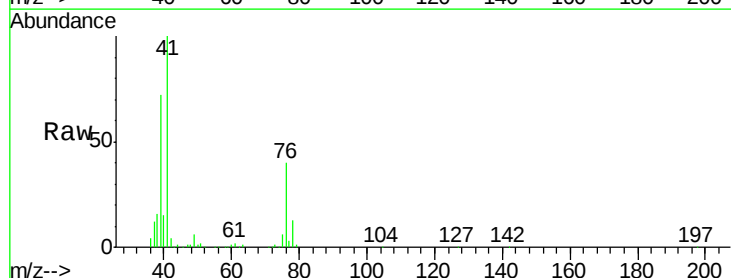
Tgt Ion: 41 Resp: 106823

Ion Ratio Lower Upper

41 100

39 67.5 52.8 79.2

76 35.0 31.1 46.7





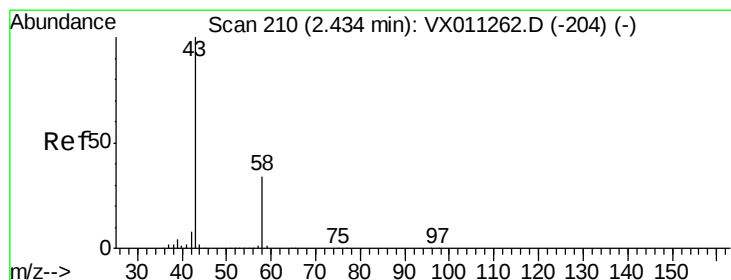
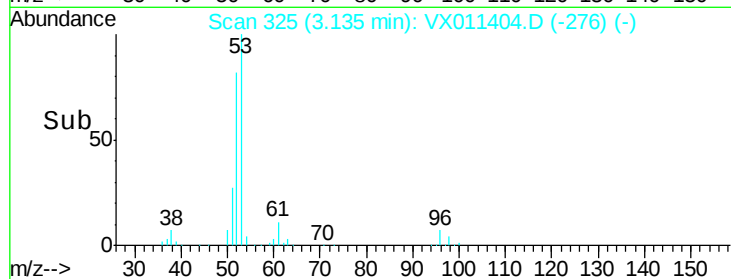
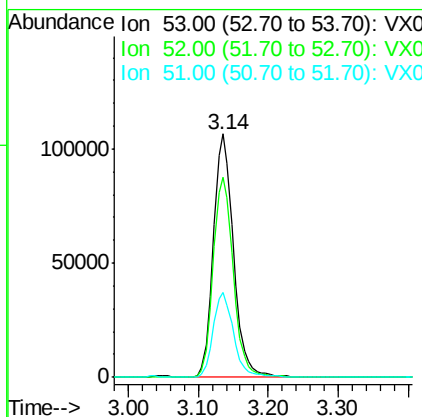
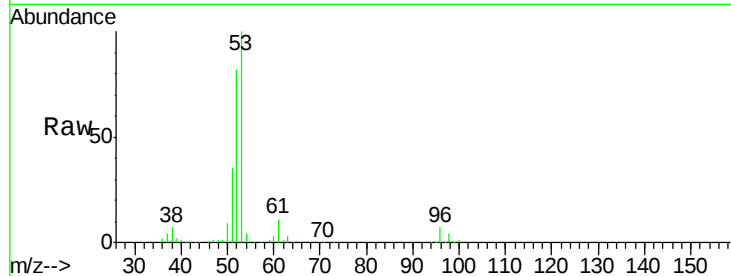
#15
 Acrylonitrile
 Concen: 271.263 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion:	53	Resp:	212554
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.5	98.3
51	35.7	27.9	41.9

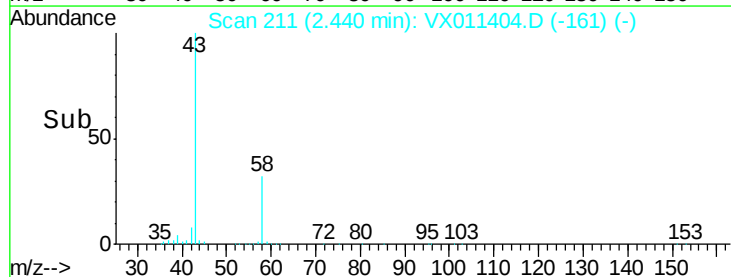
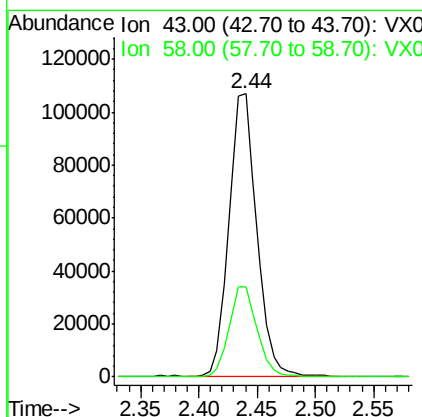
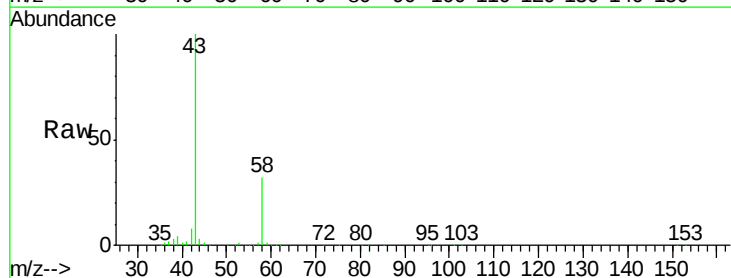
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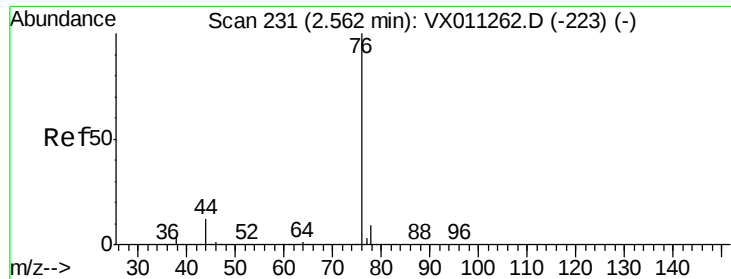
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#16
 Acetone
 Concen: 226.013 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. 0.01 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion:	43	Resp:	177144
Ion Ratio	Lower	Upper	
43	100		
58	31.9	27.4	41.0





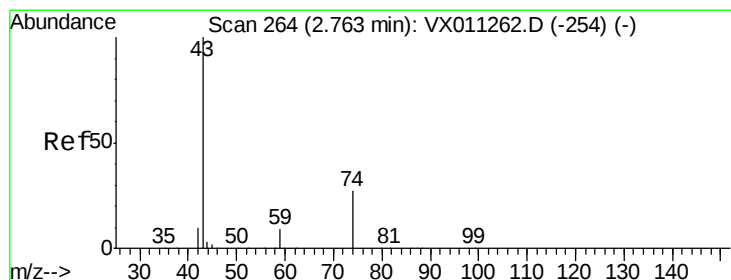
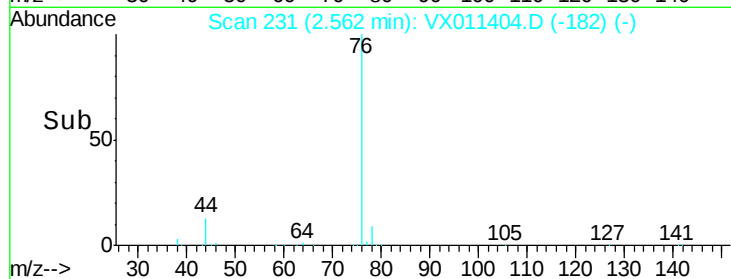
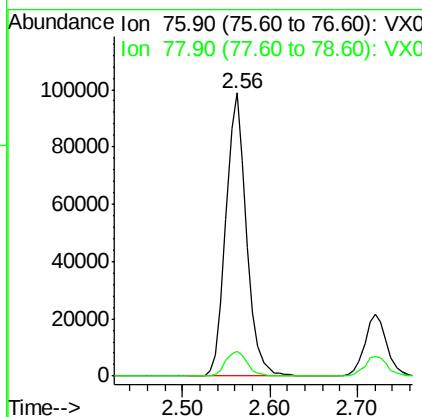
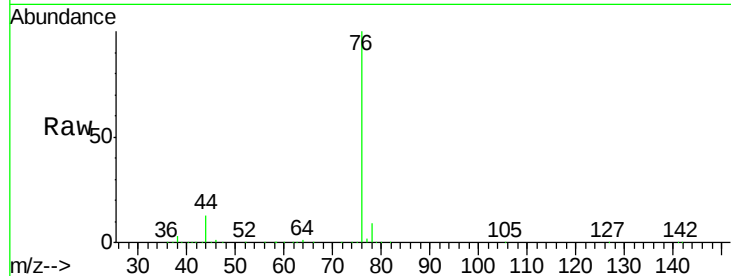
#17
Carbon Disulfide
Concen: 46.148 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

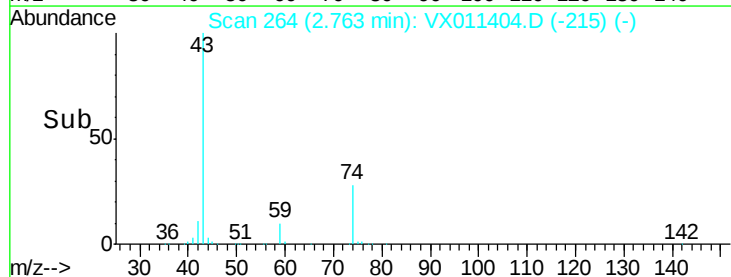
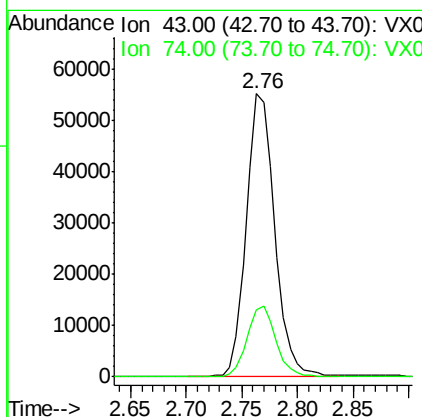
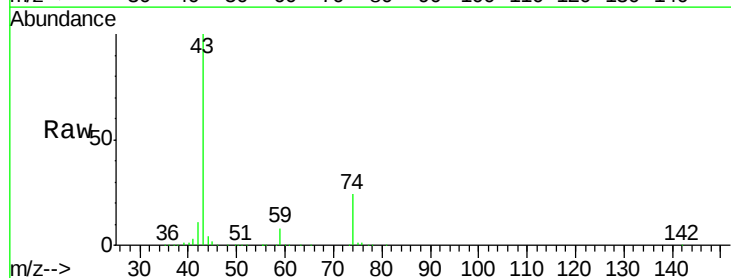
Manual Integrations
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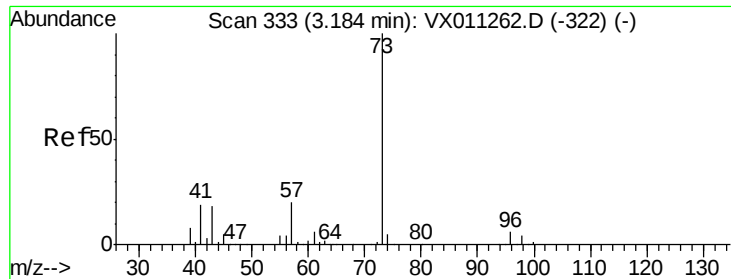
MMDadoda
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#18
Methyl Acetate
Concen: 54.897 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	21.0	31.6





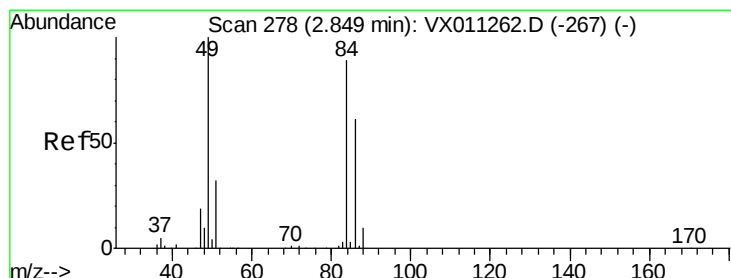
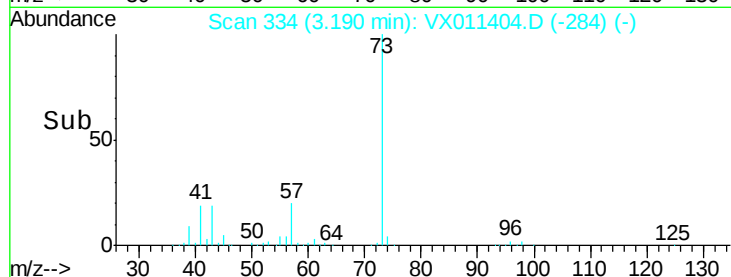
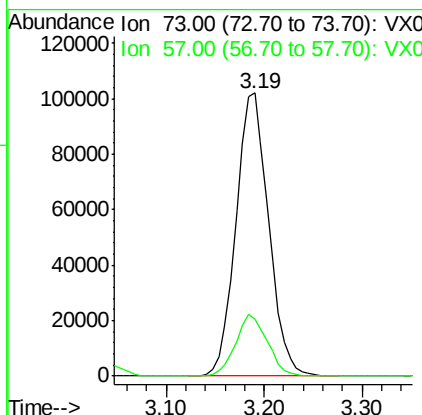
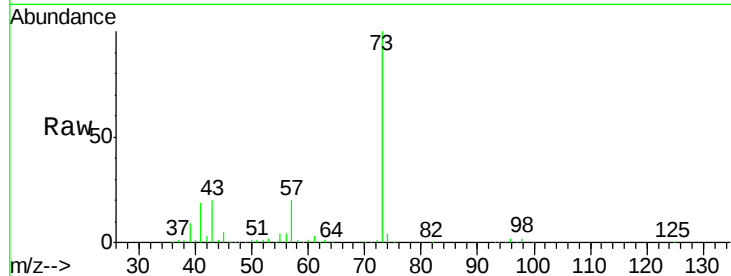
#19
Methyl tert-butyl Ether
Concen: 53.979 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion: 73 Resp: 236655
Ion Ratio Lower Upper
73 100
57 19.9 16.2 24.2

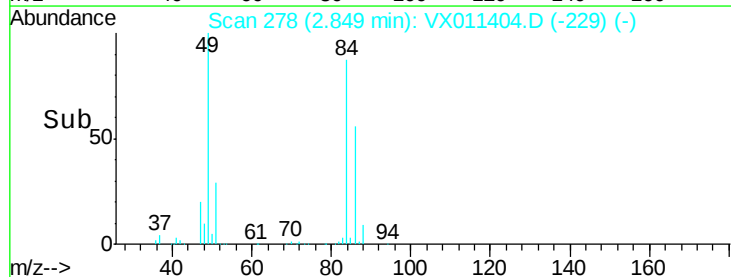
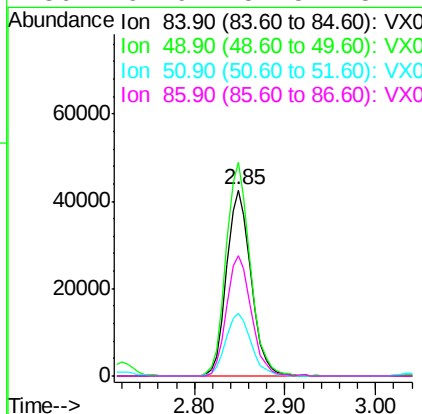
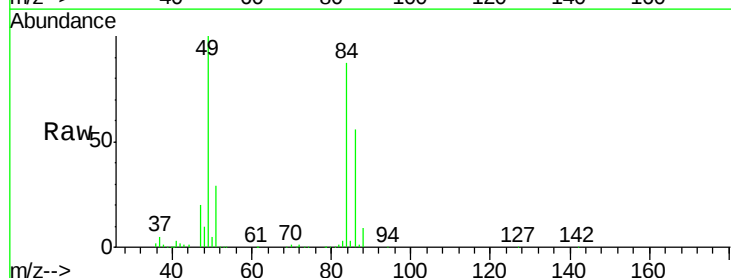
Manual Integrations
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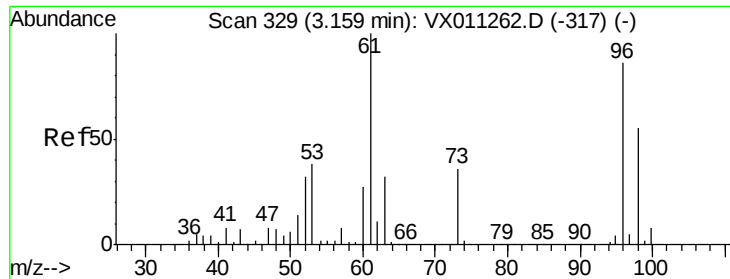
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#20
Methylene Chloride
Concen: 46.255 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 84 Resp: 79398
Ion Ratio Lower Upper
84 100
49 114.9 89.3 133.9
51 33.5 28.3 42.5
86 64.9 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 48.681 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

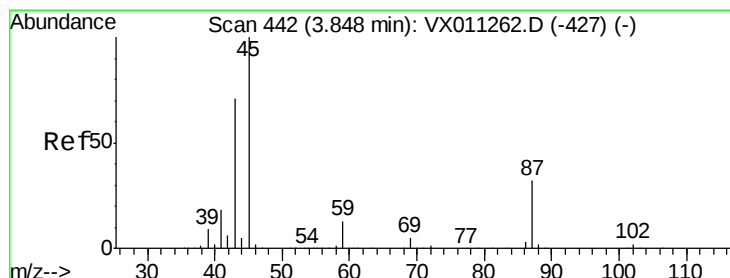
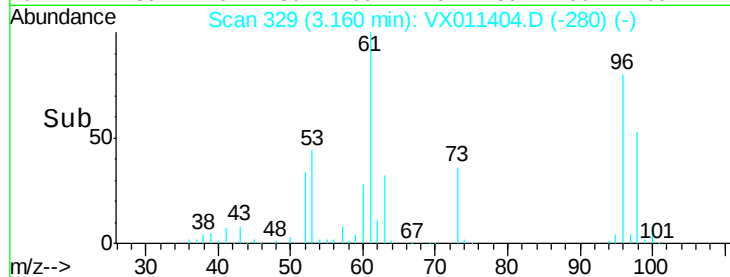
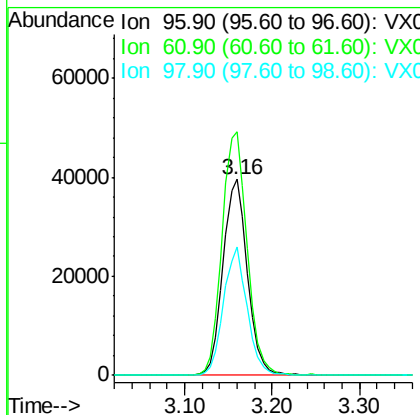
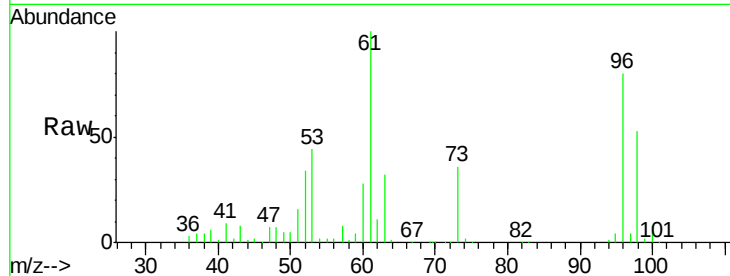
ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:	96	Resp:	76611
Ion	Ratio	Lower	Upper
96	100		
61	124.4	92.8	139.2
98	65.8	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.509 ug/l

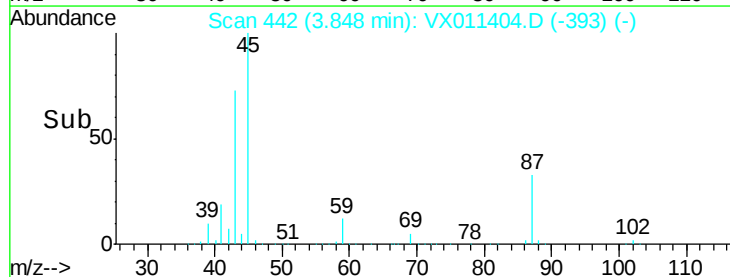
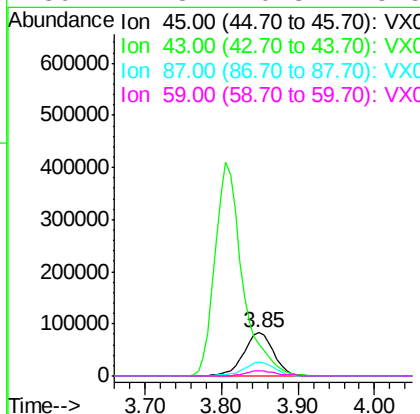
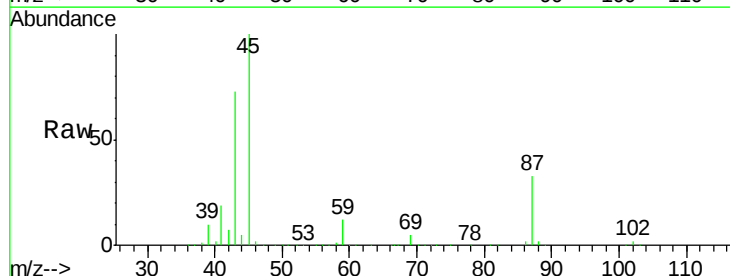
RT: 3.85 min Scan# 442

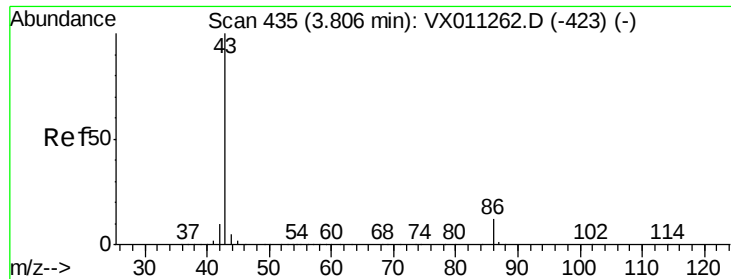
Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Tgt Ion:	45	Resp:	228887
Ion	Ratio	Lower	Upper
45	100		
43	72.3	56.8	85.2
87	32.5	25.8	38.6
59	11.8	10.3	15.5





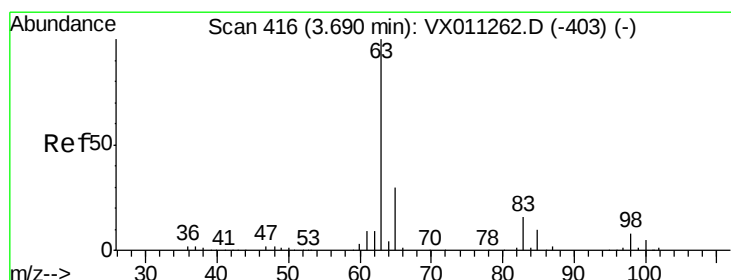
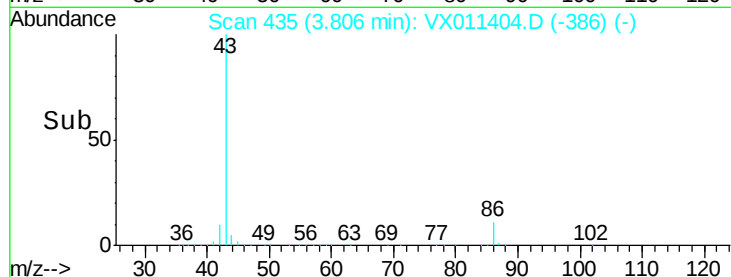
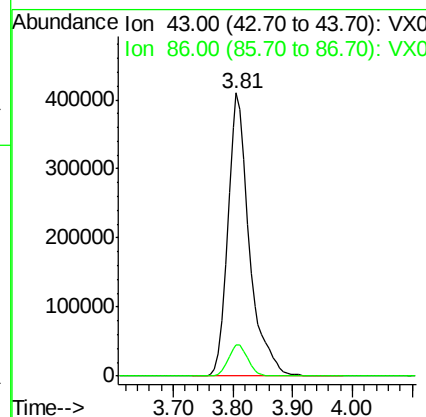
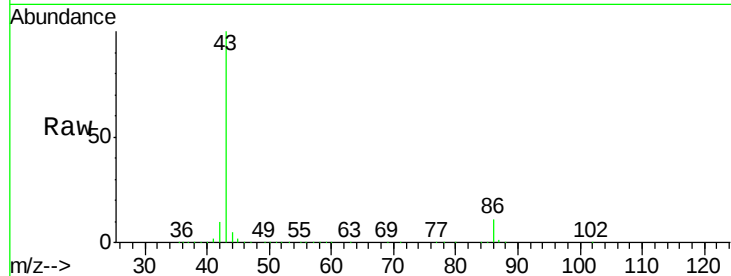
#23
 Vinyl Acetate
 Concen: 283.210 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion: 43 Resp: 1023910
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.6 14.4

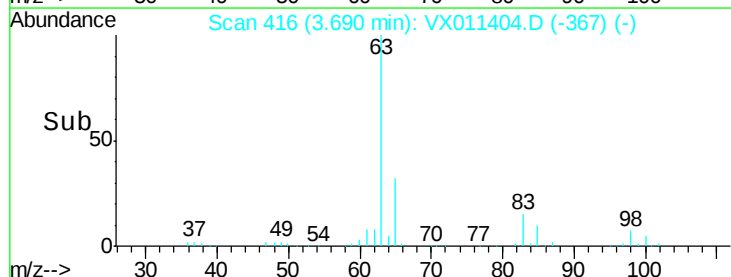
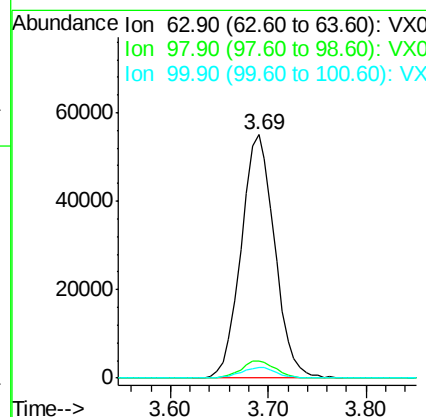
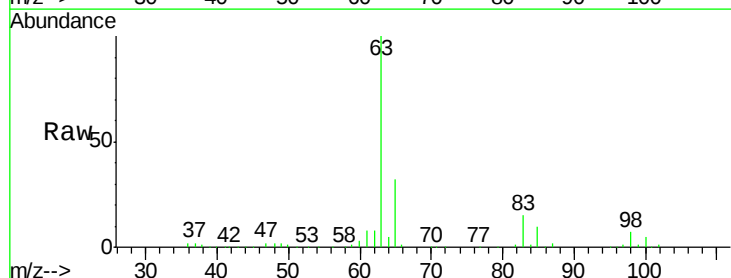
Manual Integrations
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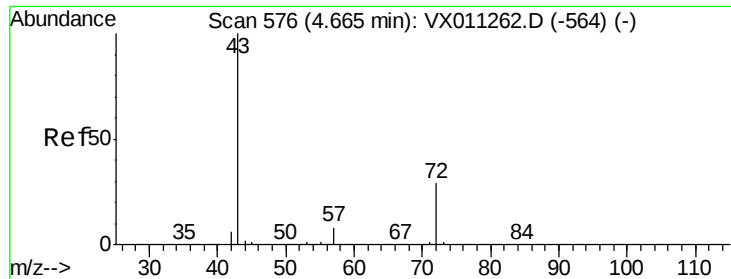
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 8/12/2019 12:50:03 PM



#24
 1,1-Dichloroethane
 Concen: 50.963 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 63 Resp: 130991
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.9 11.5
 100 4.6 2.7 8.1





#25

2-Butanone

Concen: 264.694 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion: 43 Resp: 295114

Ion Ratio Lower Upper

43 100

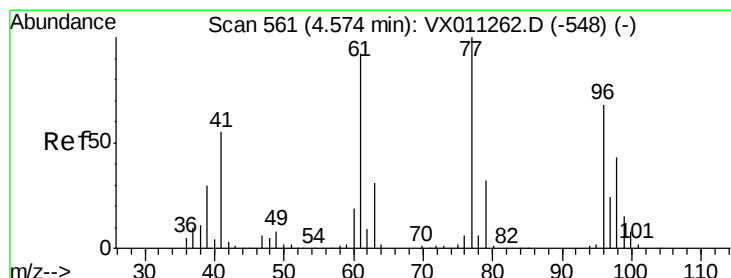
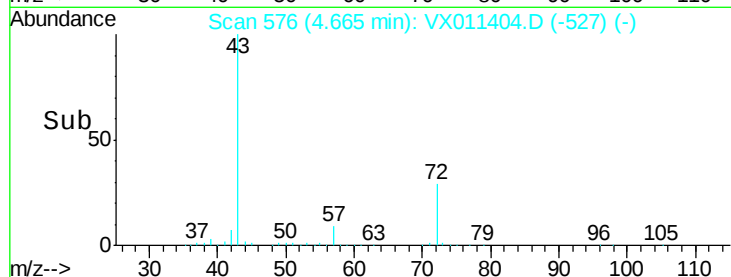
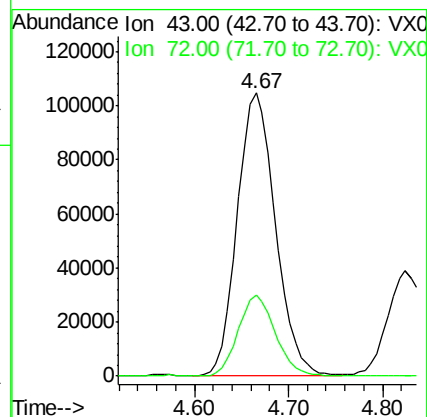
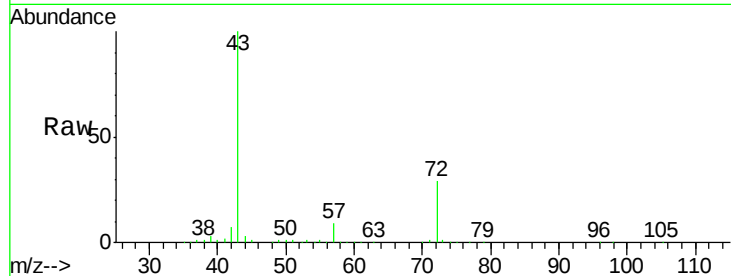
72 28.7 23.2 34.8

Manual Integrations

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MMDadoda

8/12/2019 12:50:03 PM



#26

2,2-Dichloropropane

Concen: 53.547 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011404.D

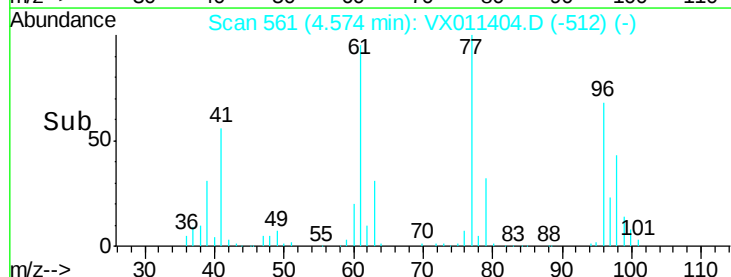
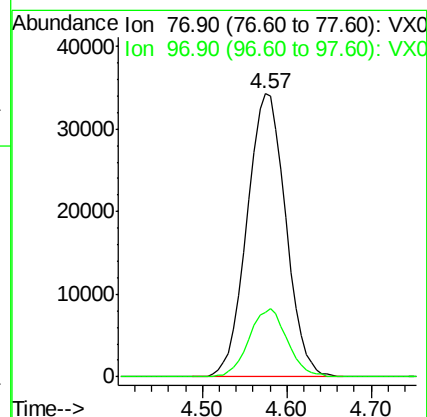
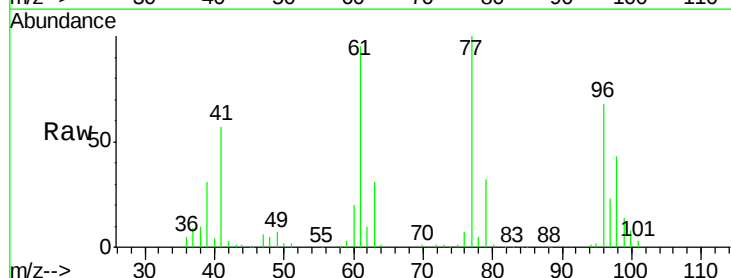
Acq: 09 Aug 2019 12:58

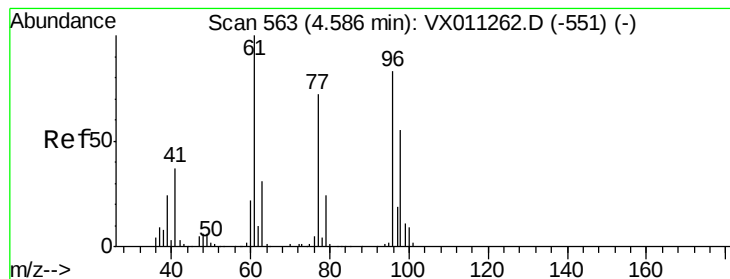
Tgt Ion: 77 Resp: 106990

Ion Ratio Lower Upper

77 100

97 23.8 12.8 38.4





#27

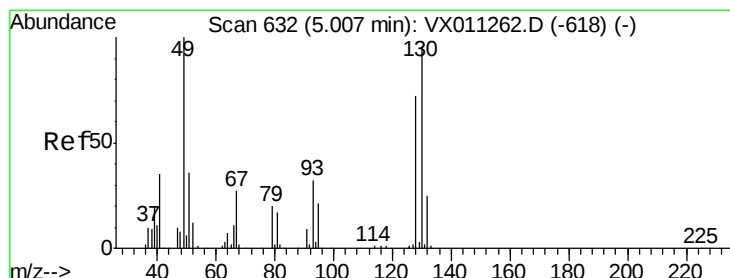
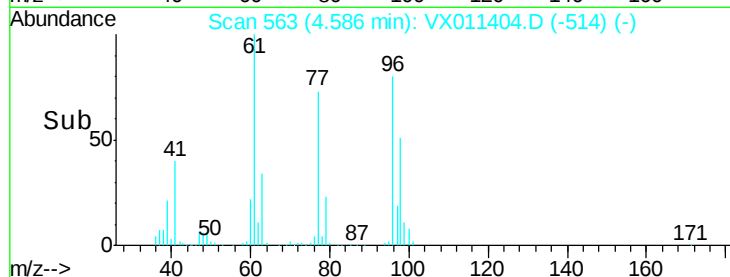
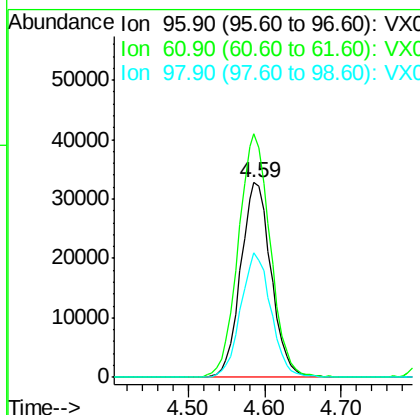
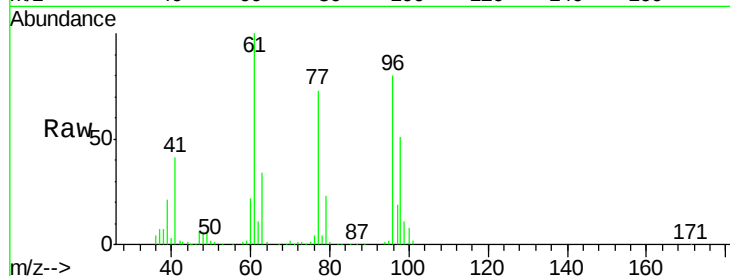
cis-1,2-Dichloroethene
 Concen: 50.111 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.6	0.0	260.2	
98	63.5	0.0	133.2	

Manual Integrations
 APPROVED

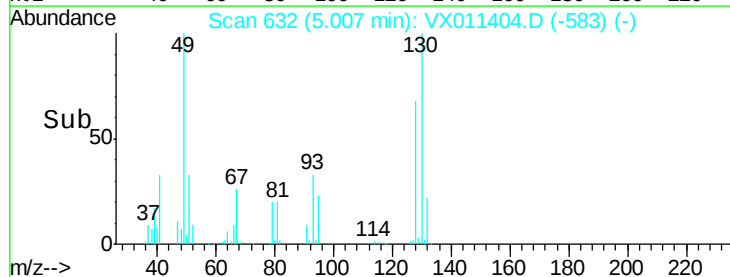
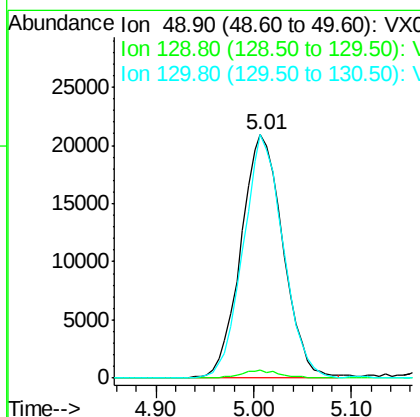
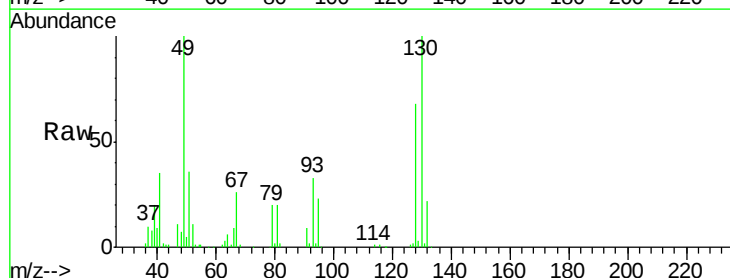
MMDadoda
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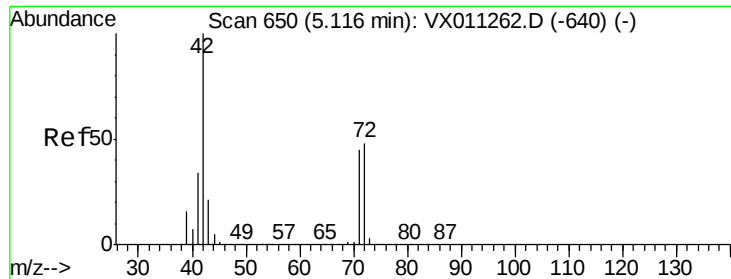


#28

Bromochloromethane
 Concen: 53.280 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.9	0.0	5.8	
130	94.9	77.9	116.9	





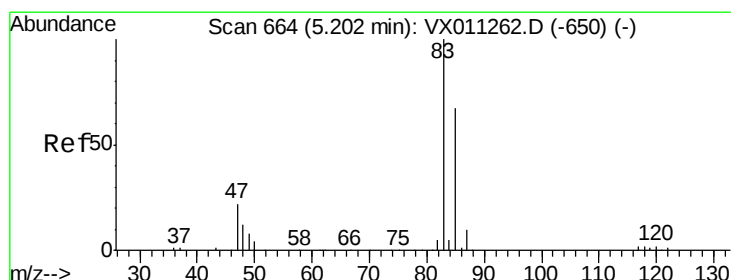
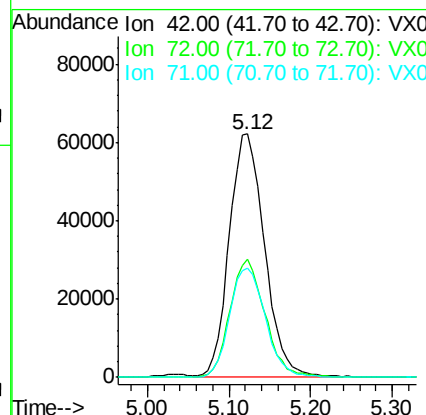
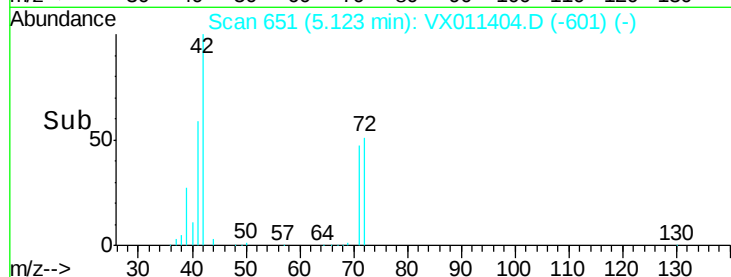
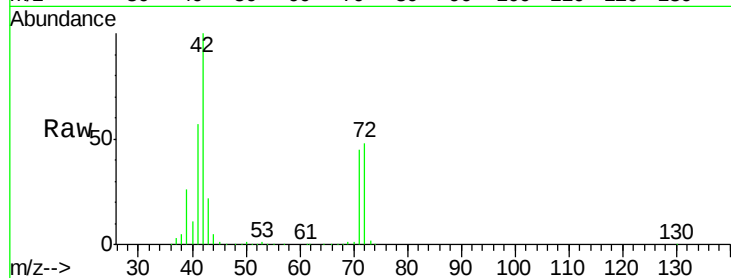
#29
Tetrahydrofuran
Concen: 270.456 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	39.9	59.9
71	46.0	36.9	55.3

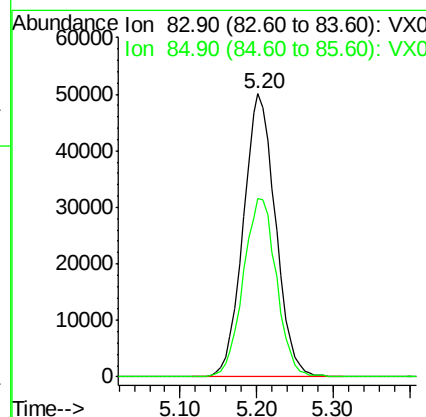
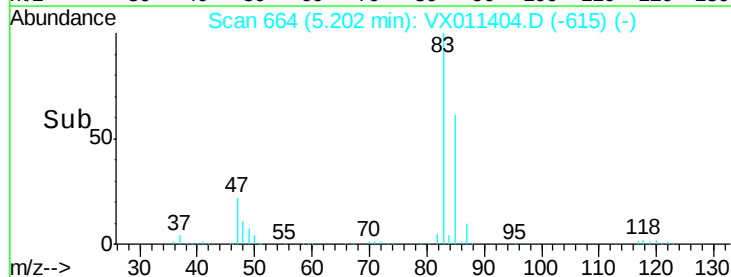
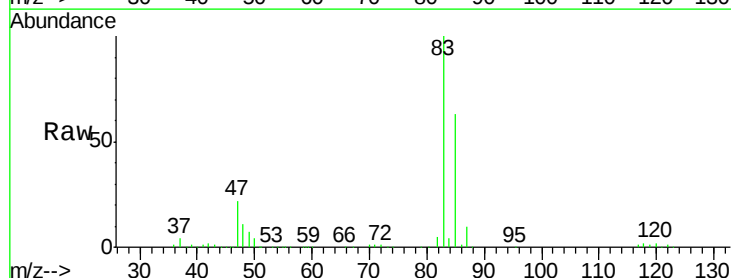
Manual Integrations
APPROVED

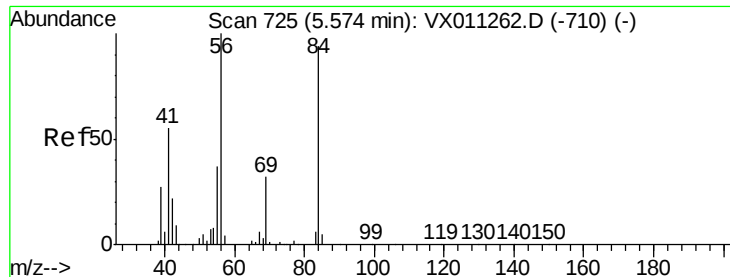
MMDadoda
8/12/2019 12:50:03 PM



#30
Chloroform
Concen: 52.420 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.4	80.0





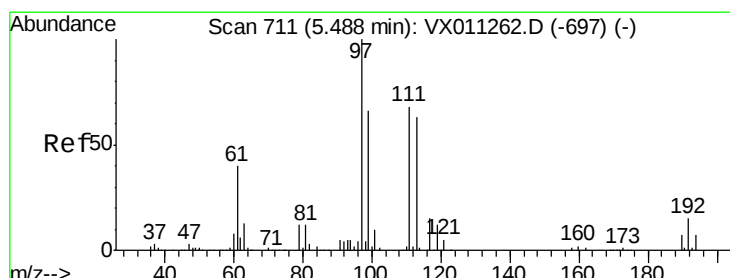
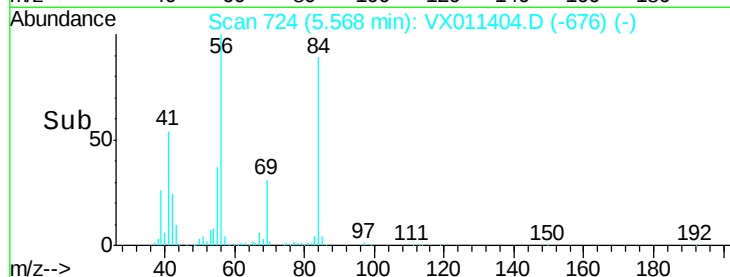
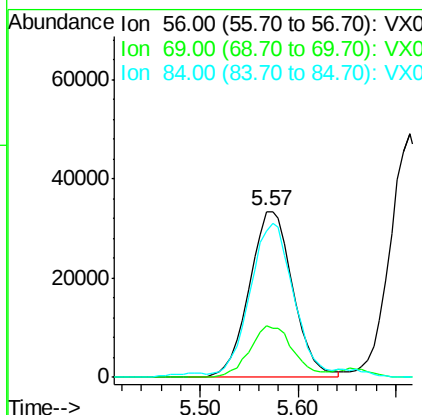
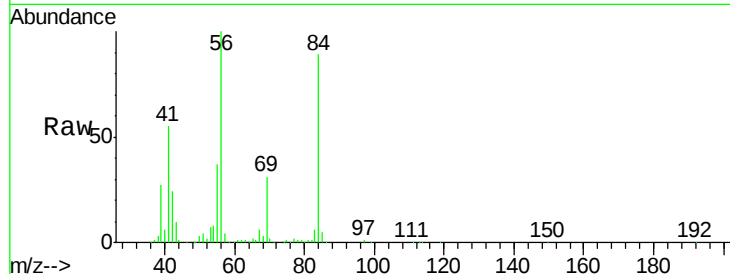
#31
Cyclohexane
Concen: 48.973 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.5	38.3
84	86.0	75.0	112.4

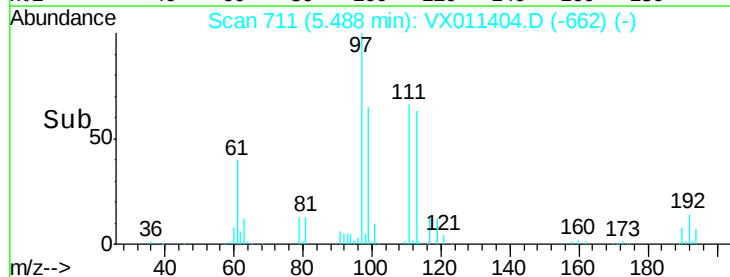
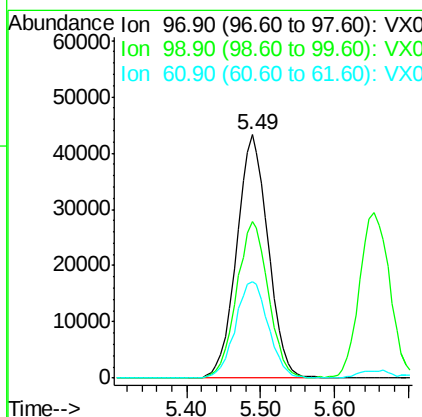
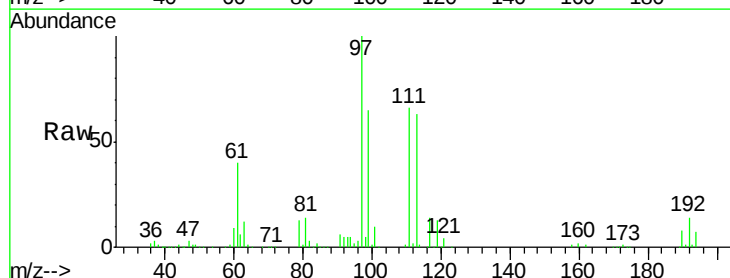
Manual Integrations
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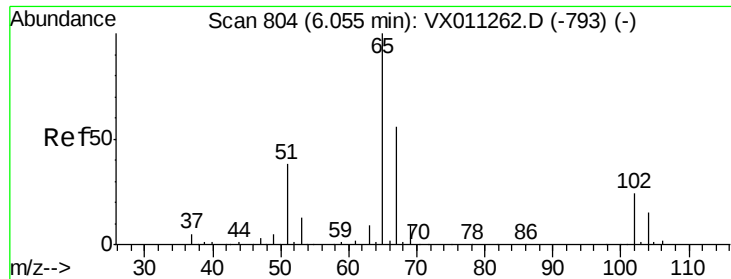
MMDadoda
8/12/2019 12:50:03 PM



#32
1,1,1-Trichloroethane
Concen: 53.528 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	41.7	32.3	48.5





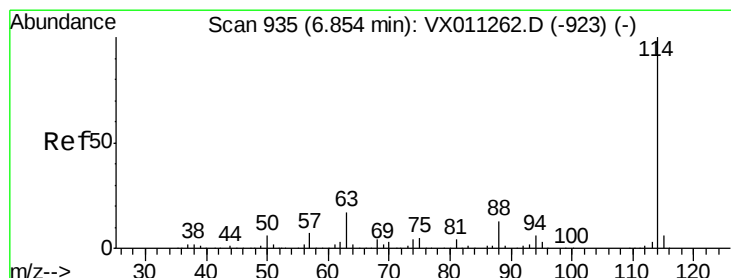
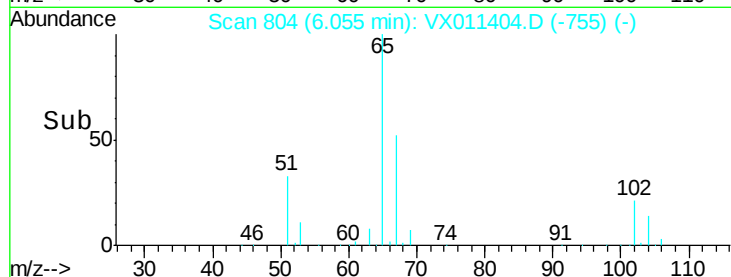
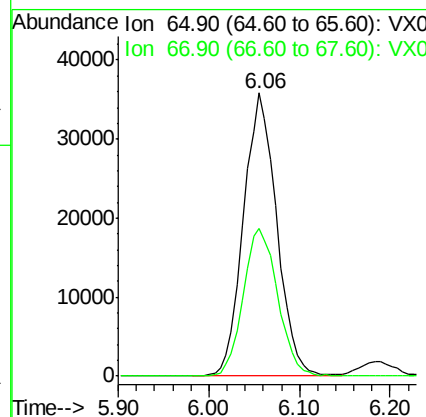
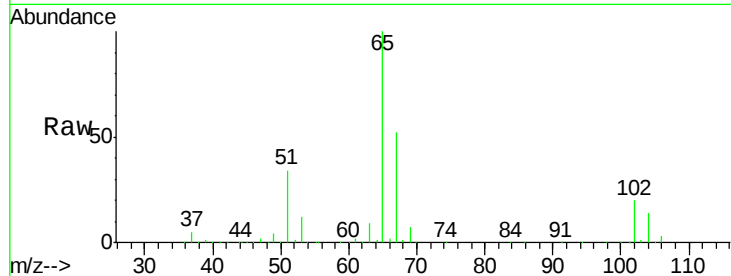
#33
 1,2-Dichloroethane-d4
 Concen: 55.431 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	91277		
67	53.9	0.0	110.6	

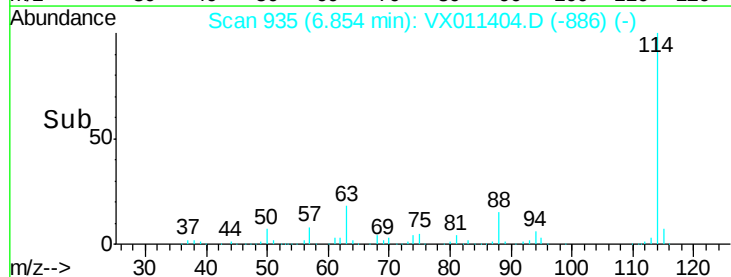
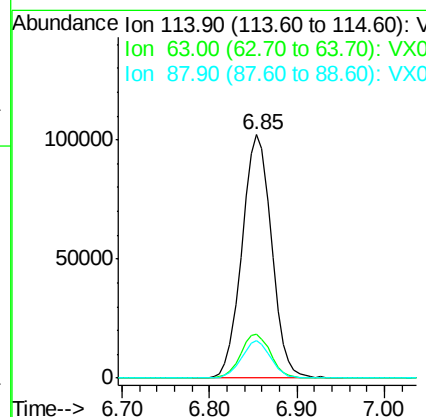
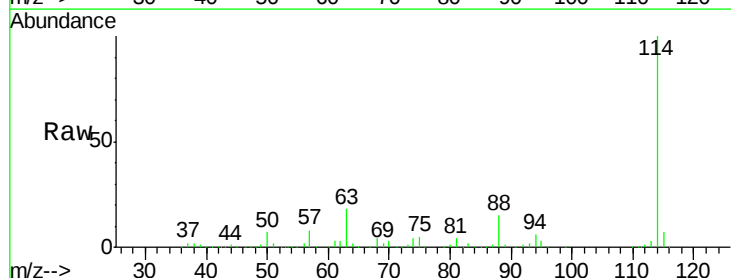
Manual Integrations
 APPROVED

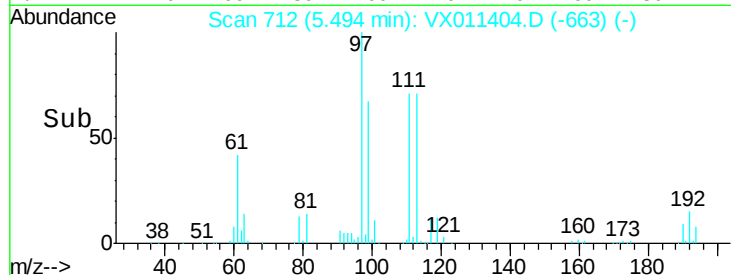
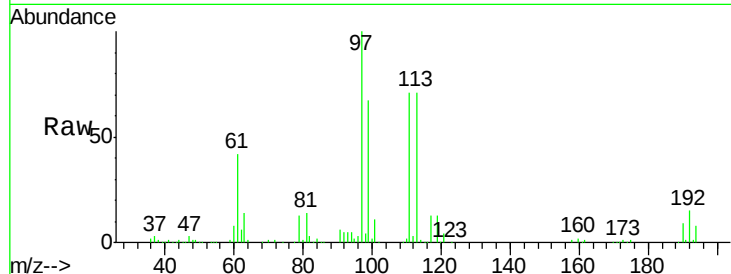
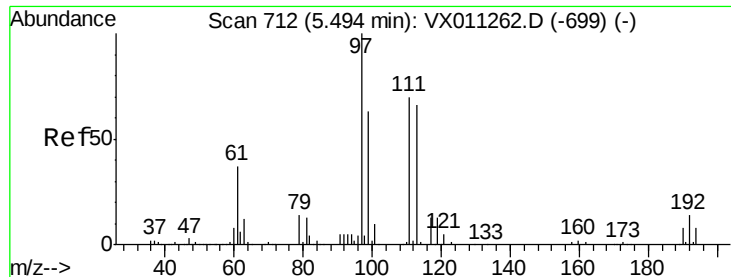
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	240383		
63	18.0	0.0	34.0	
88	15.4	0.0	26.4	





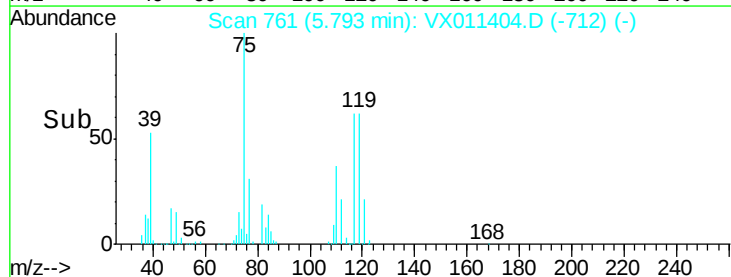
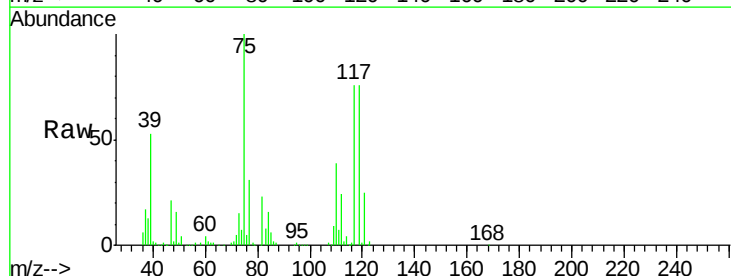
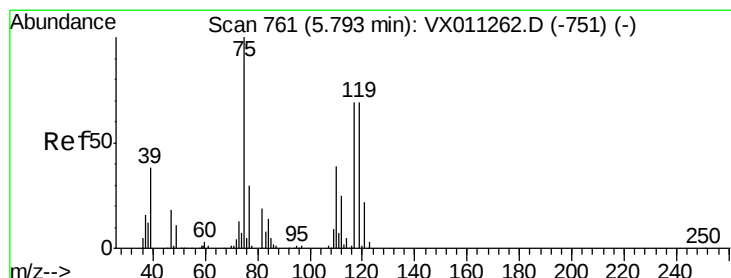
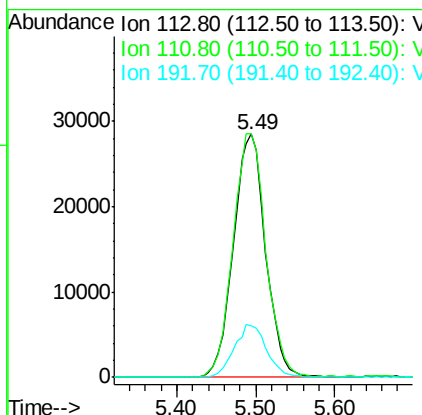
#35
Dibromofluoromethane
Concen: 51.370 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tot Ion	Ratio	Resp	Lower	Upper
113	100	80620		
111	102.3		81.9	122.9
192	21.8		17.8	26.8

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

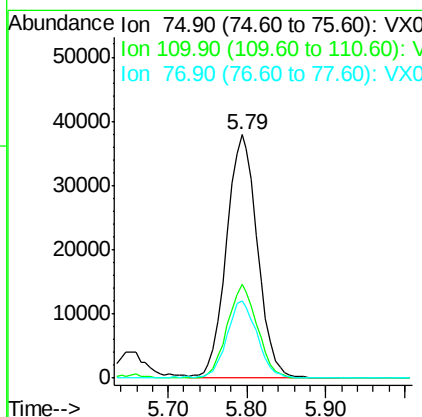
Manual Integrations
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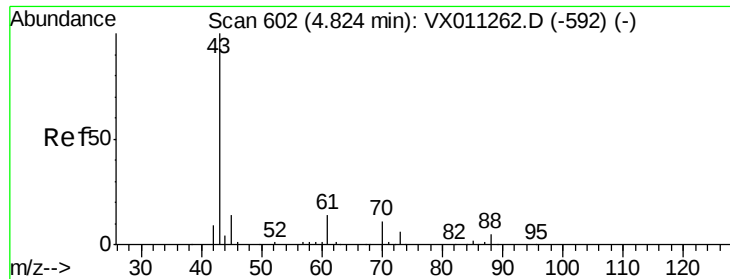
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8/12/2019 12:50:03 PM



#36
1,1-Dichloropropene
Concen: 49.302 ug/l
RT: 5.79 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103474		
110	37.4		20.0	59.9
77	30.9		24.8	37.2





#37

Ethyl Acetate

Concen: 53.447 ug/l

RT: 4.82 min Scan# 602

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

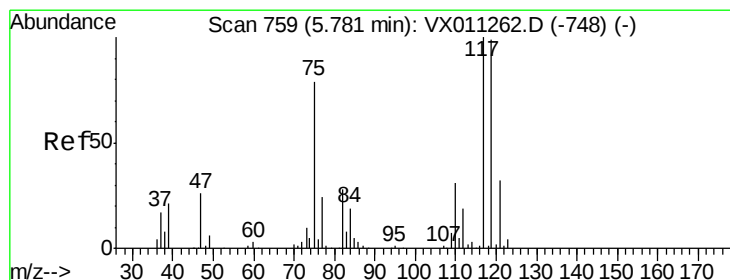
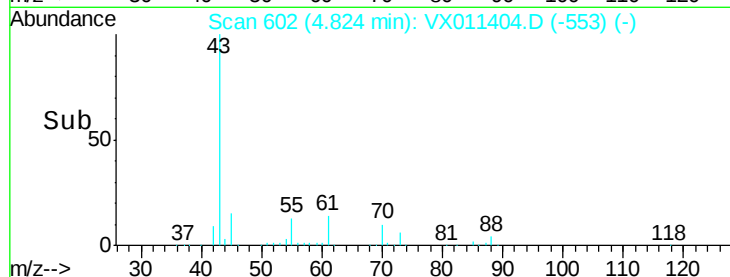
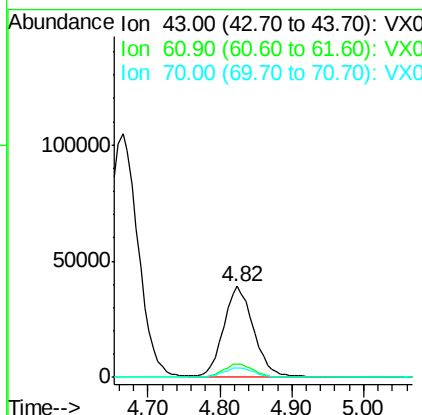
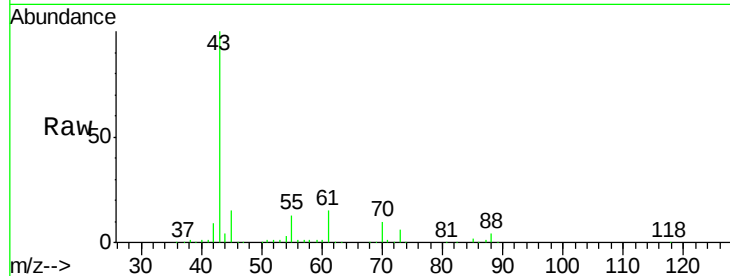
ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:	43	Resp:	112517
Ion Ratio		Lower	Upper
43	100		
61	15.3	12.6	18.8
70	11.2	9.1	13.7

Manual Integrations
APPROVED

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8/12/2019 12:50:03 PM



#38

Carbon Tetrachloride

Concen: 53.743 ug/l

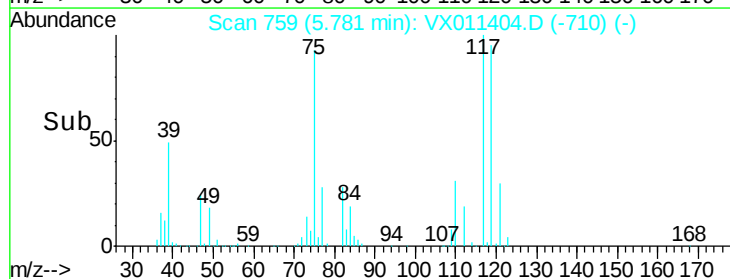
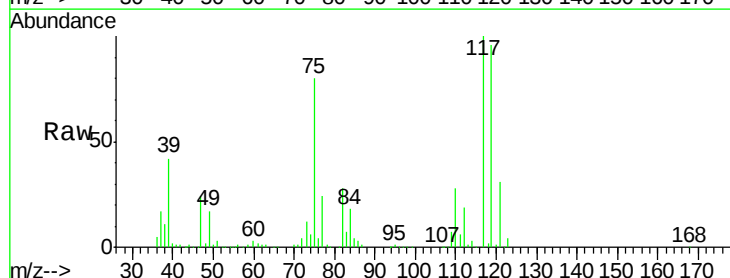
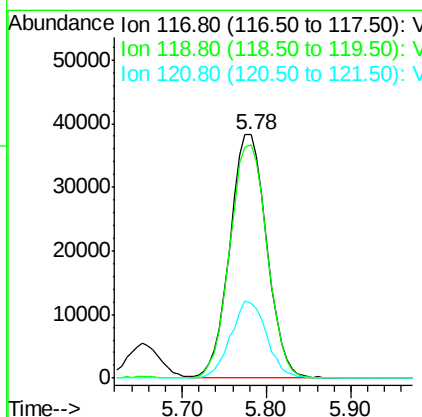
RT: 5.78 min Scan# 759

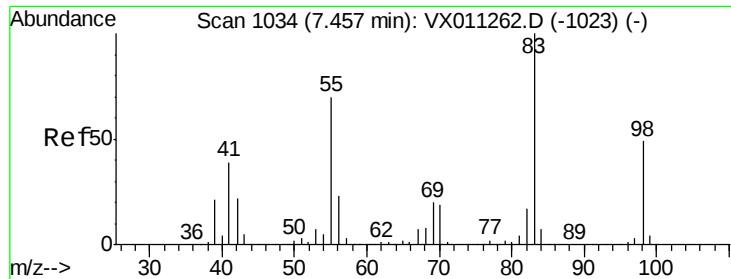
Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Tgt Ion:	117	Resp:	113479
Ion Ratio		Lower	Upper
117	100		
119	95.7	79.0	118.4
121	30.6	25.9	38.9





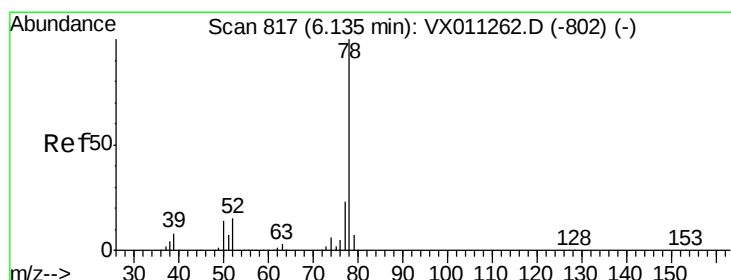
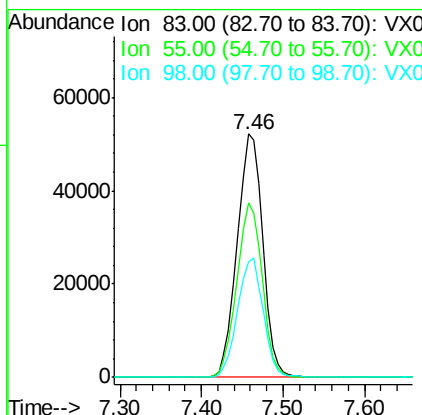
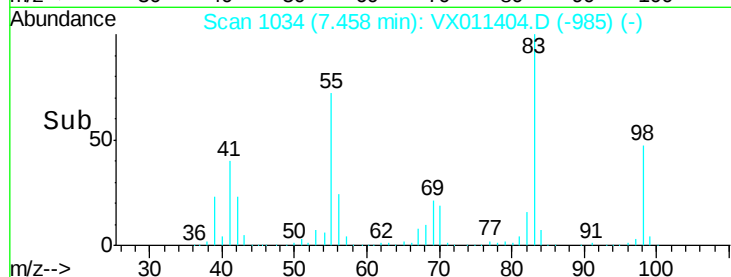
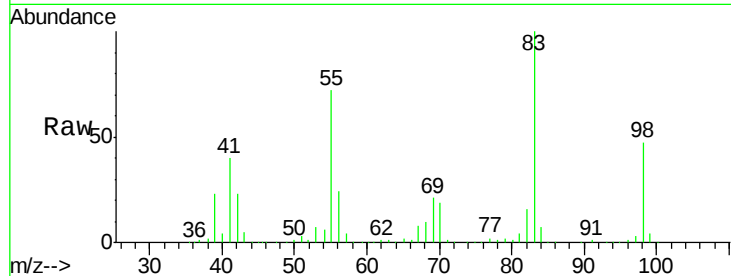
#39
Methvlcvclohexane
Concen: 45.501 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.8	56.1	84.1	
98	47.3	39.0	58.4	

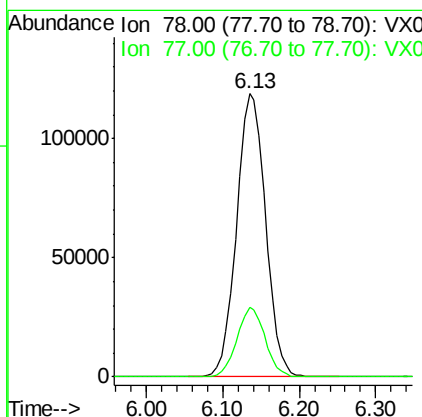
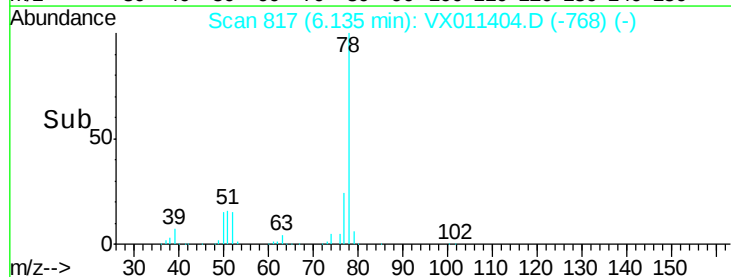
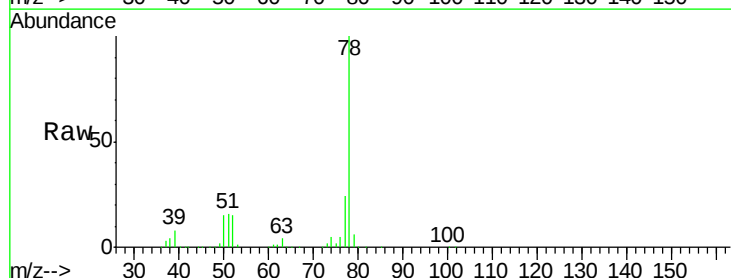
Manual Integrations
APPROVED

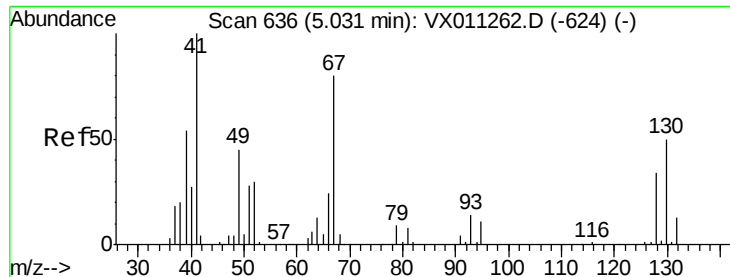
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#40
Benzene
Concen: 49.824 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	18.2	27.2	





#41

Methacrylonitrile

Concen: 52.476 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

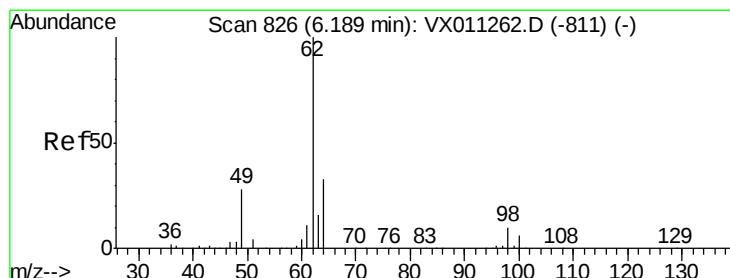
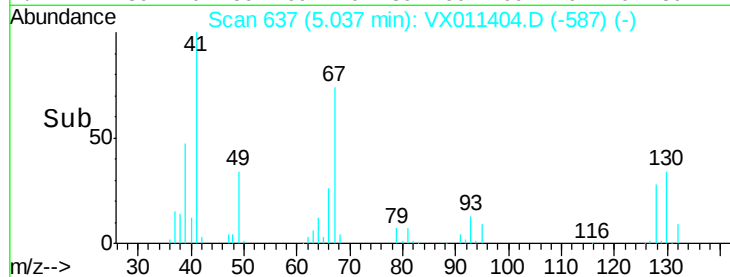
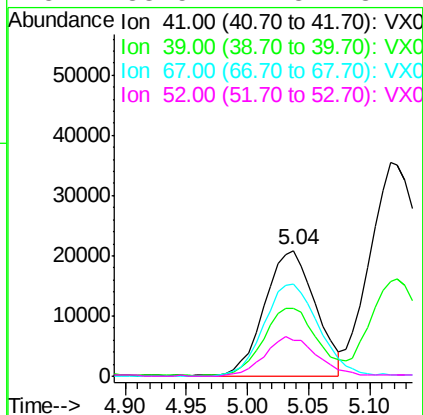
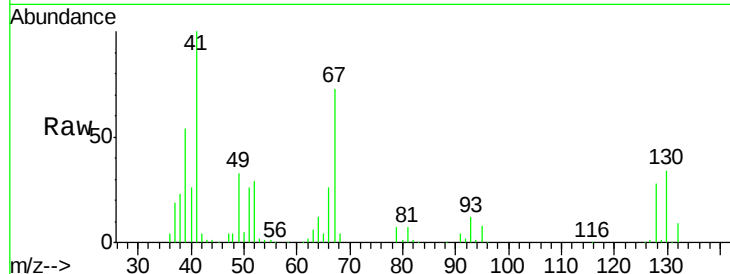
ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	43.0	64.6	
67	80.0	65.1	97.7	
52	33.5	24.8	37.2	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 54.413 ug/l

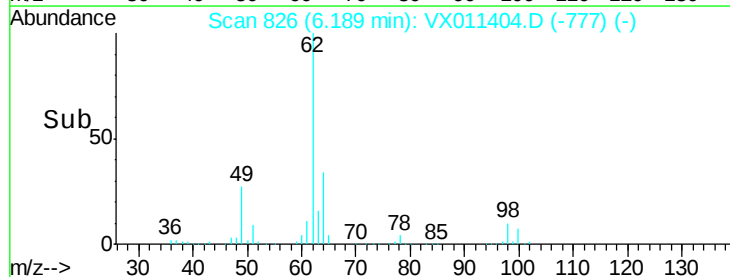
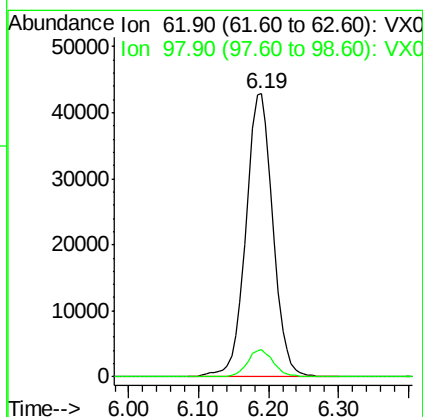
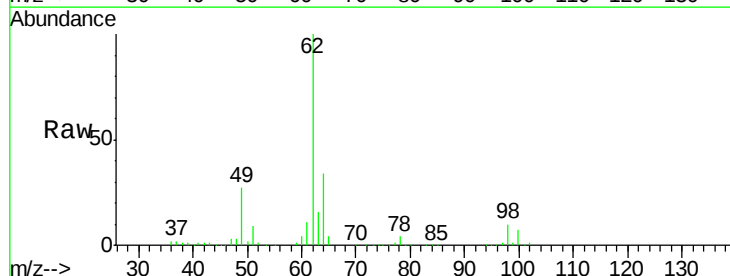
RT: 6.19 min Scan# 826

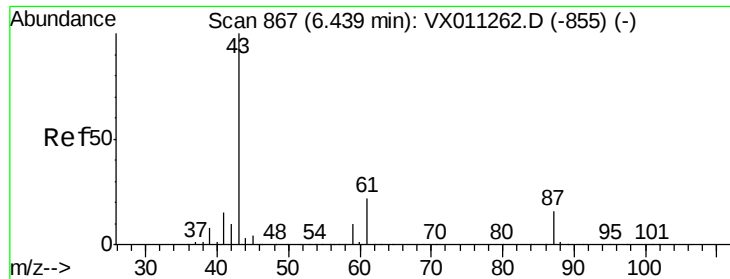
Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

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





#43

Isopropyl Acetate

Concen: 53.659 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

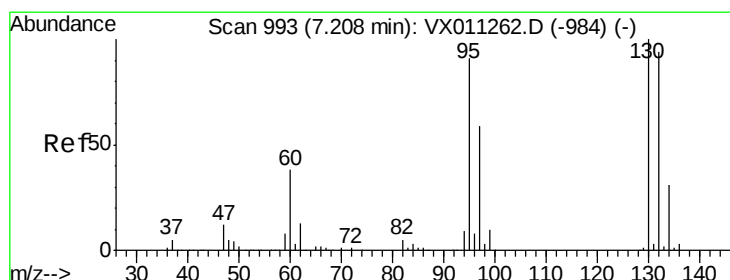
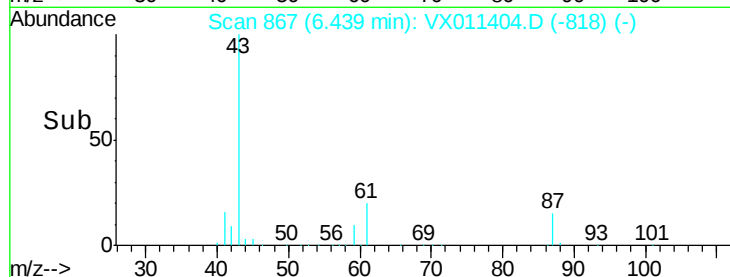
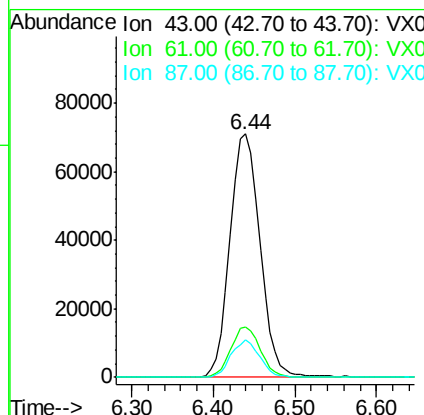
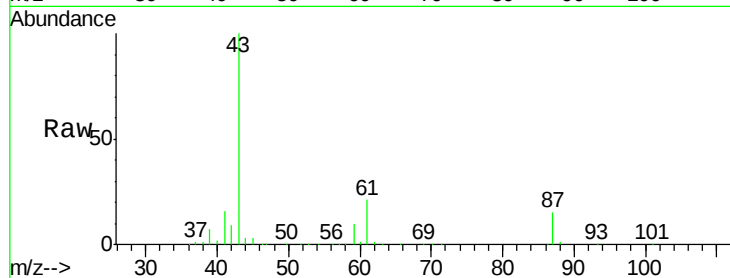
ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:	43	Resp:	180604
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.5	24.7
87	14.7	12.1	18.1

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#44

Trichloroethene

Concen: 47.402 ug/l

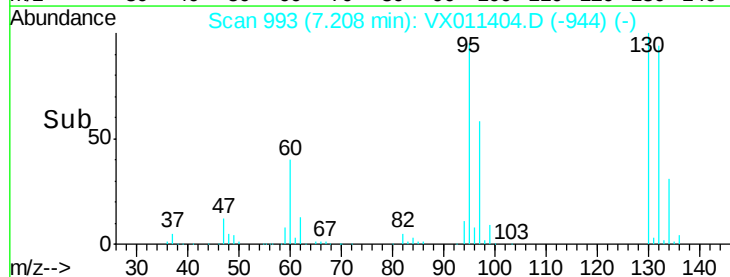
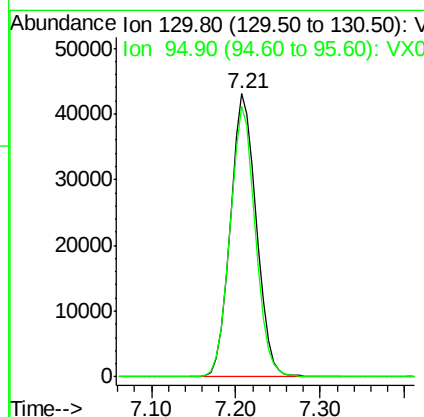
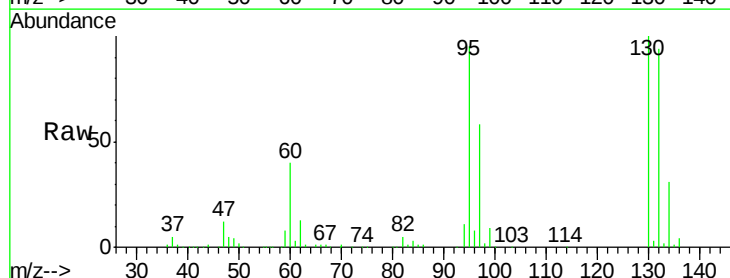
RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Tgt Ion:	130	Resp:	89860
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	182.6





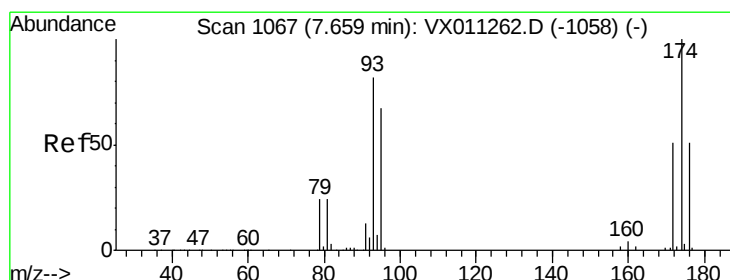
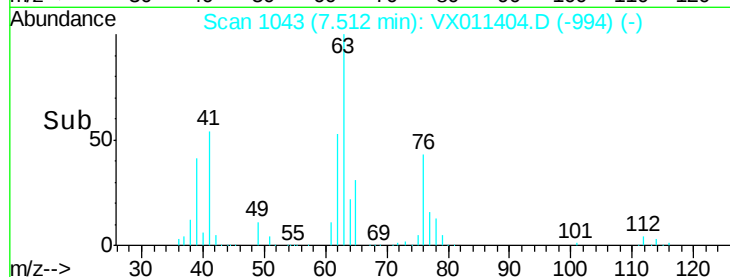
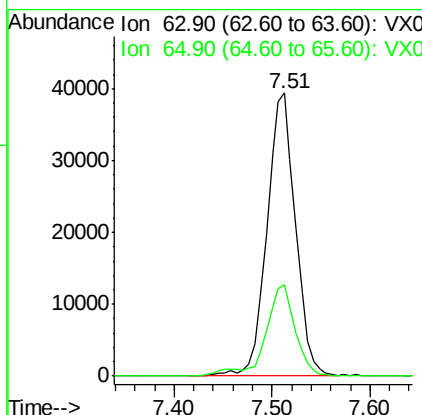
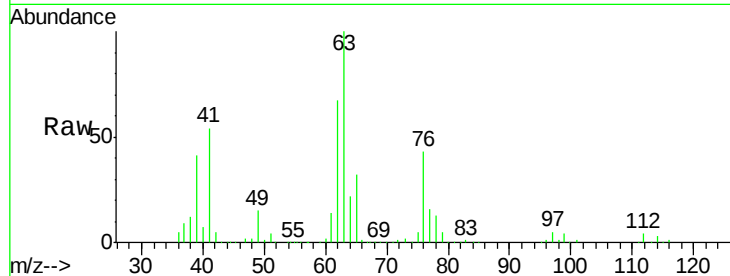
#45
 1,2-Dichloropropane
 Concen: 49.555 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion: 63 Resp: 80377
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.3 34.9

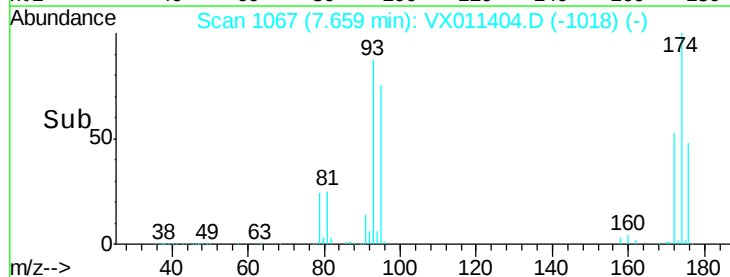
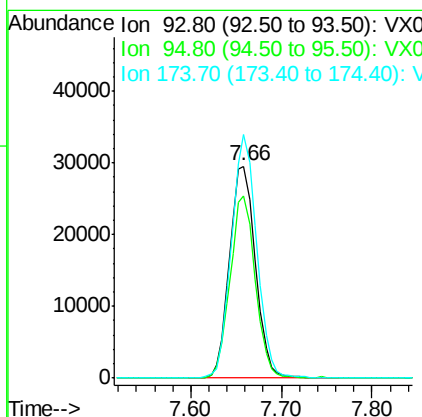
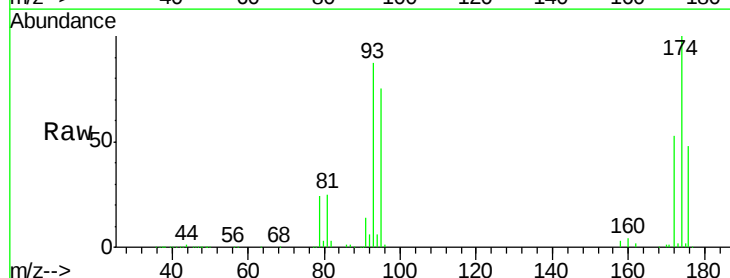
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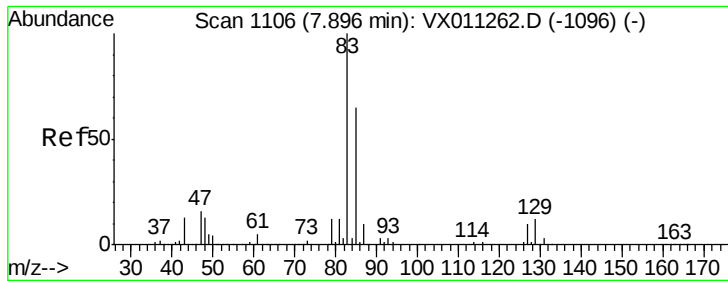
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 8/12/2019 12:50:03 PM



#46
 Dibromomethane
 Concen: 49.565 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 93 Resp: 58688
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.4 99.6
 174 112.5 93.4 140.2





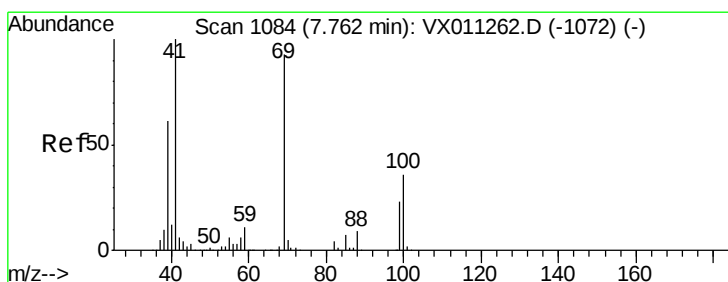
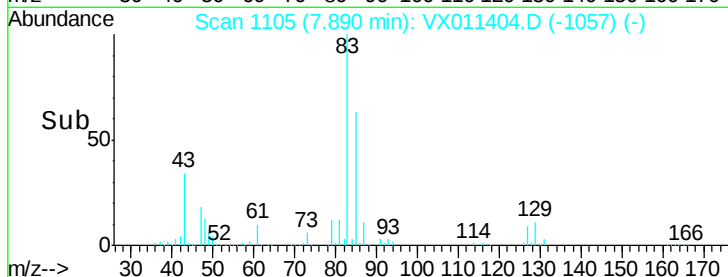
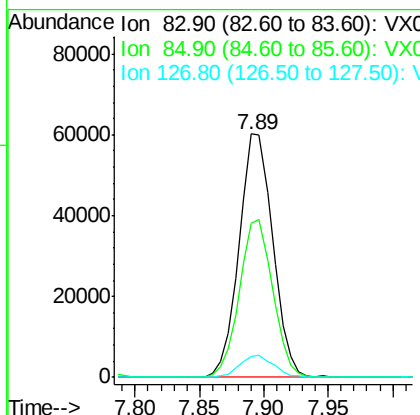
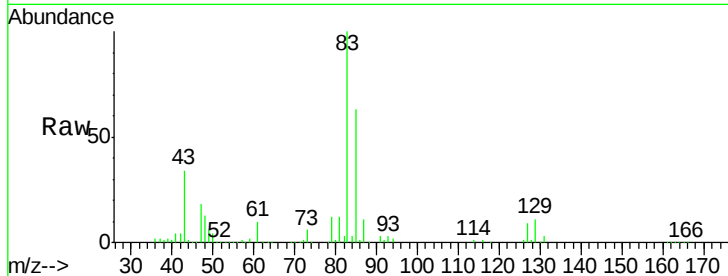
#47
Bromodichloromethane
Concen: 54.591 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	83	Resp	109440
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	52.2	78.2
127	8.5	7.8	11.8

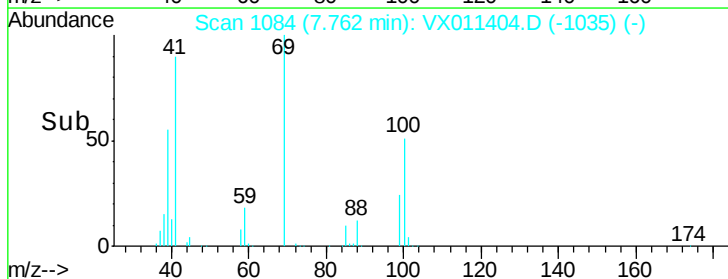
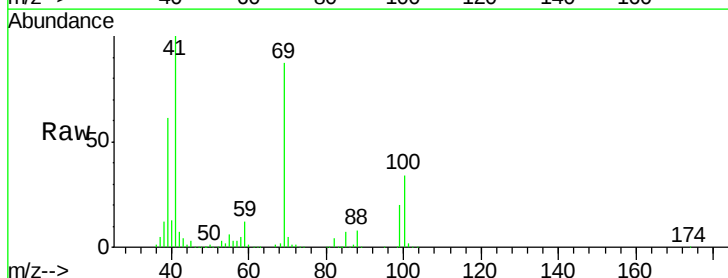
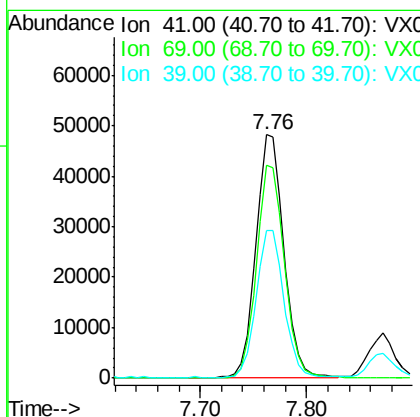
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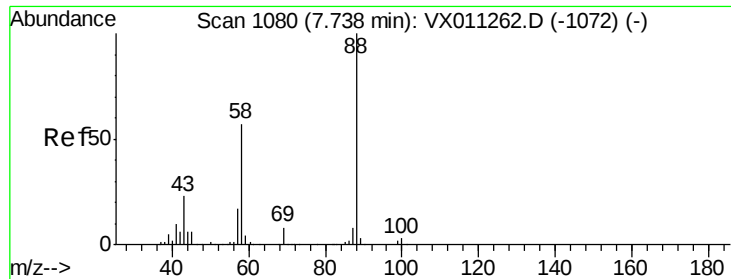
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#48
Methyl methacrylate
Concen: 55.763 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	41	Resp	88327
Ion Ratio	100	Lower	Upper
41	100		
69	88.4	74.5	111.7
39	60.2	48.6	72.8





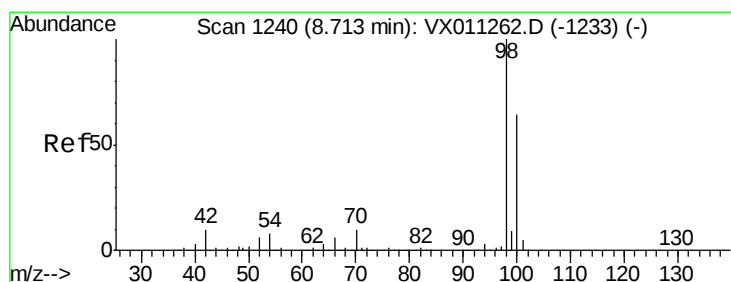
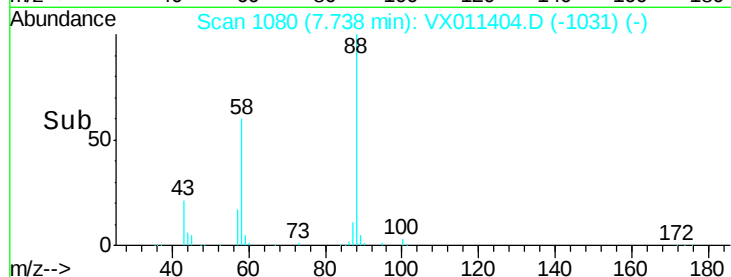
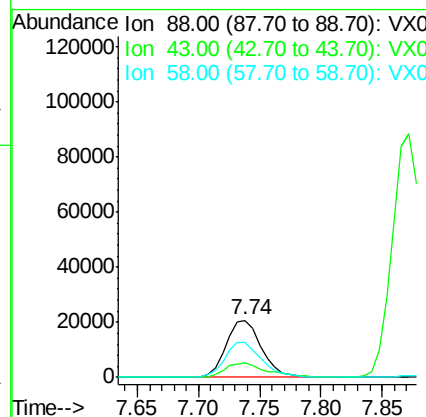
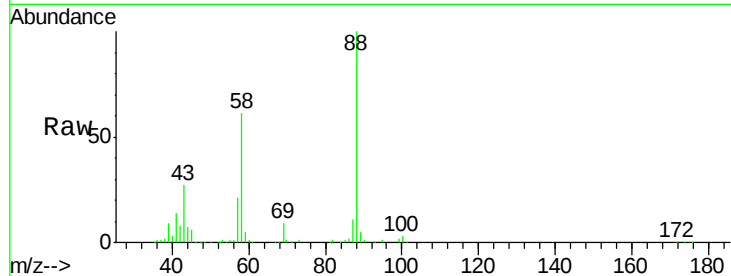
#49
1,4-Dioxane
Concen: 908.804 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	22.2	33.2
58	63.5	47.8	71.8

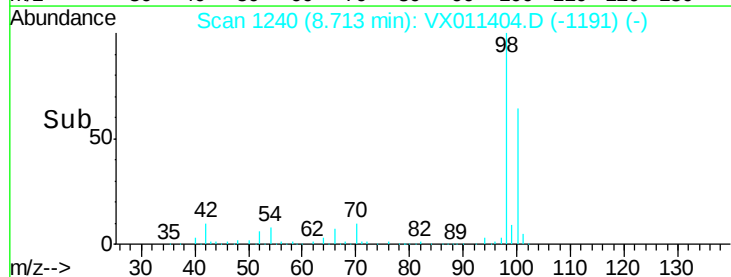
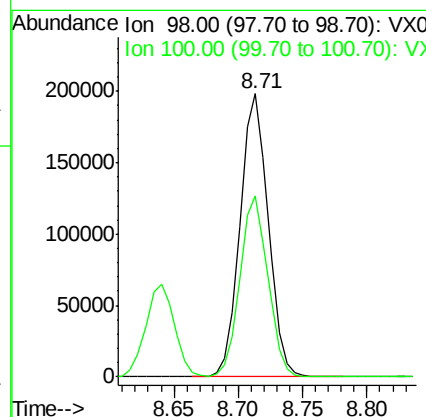
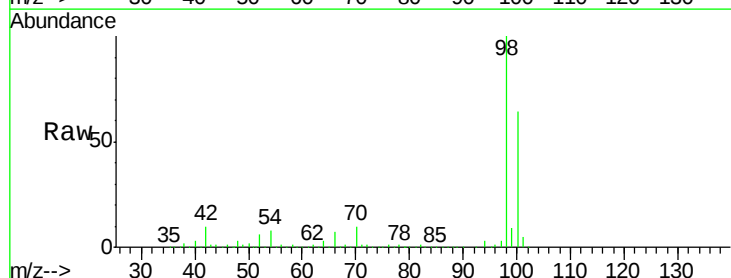
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#50
Toluene-d8
Concen: 50.635 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 277.342 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampled :

EP1-MW-K-0819MSD

Tot Ion: 43 Resp: 602425

Ion Ratio Lower Upper

43 100

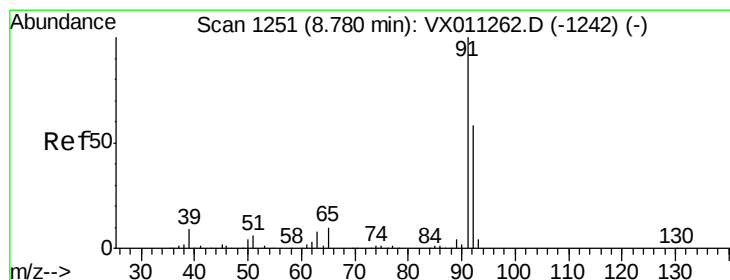
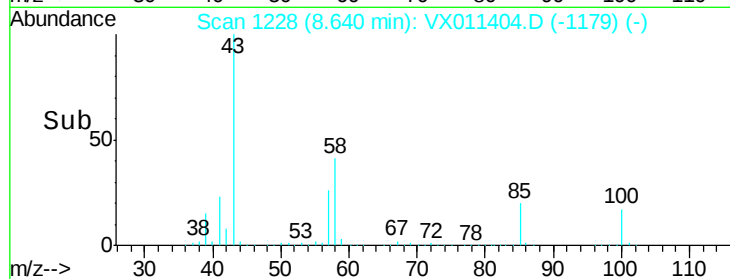
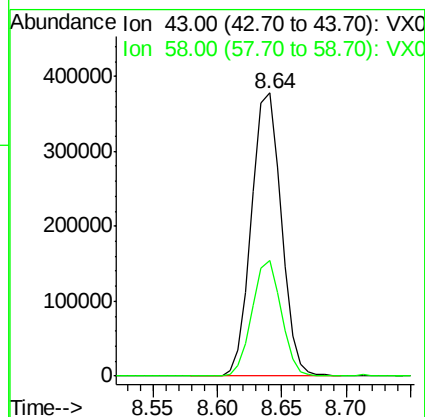
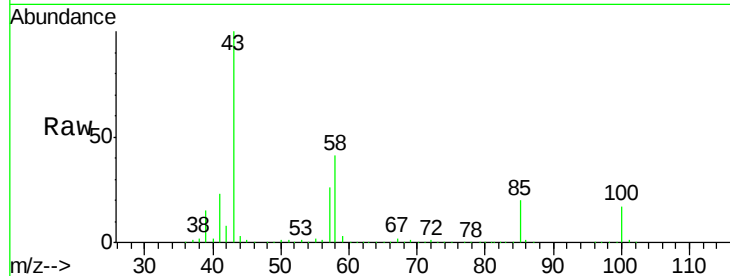
58 39.8 32.3 48.5

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#52

Toluene

Concen: 50.102 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011404.D

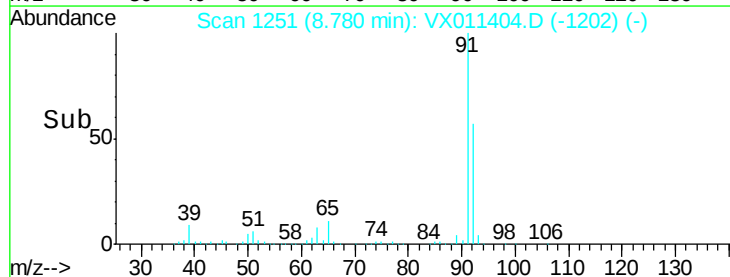
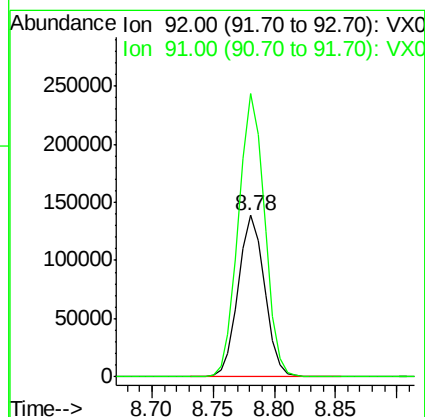
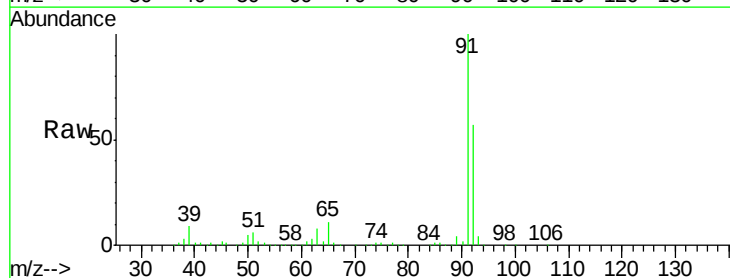
Acq: 09 Aug 2019 12:58

Tgt Ion: 92 Resp: 207465

Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.0





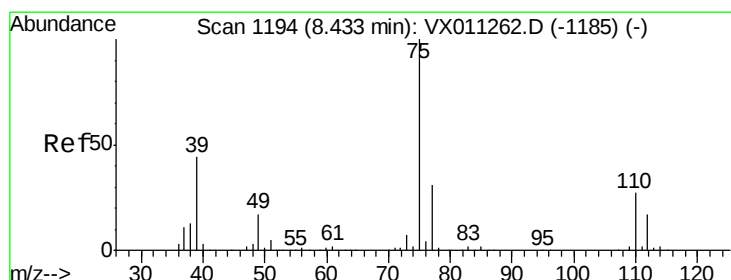
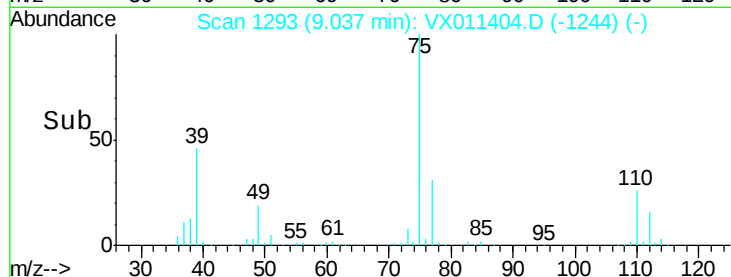
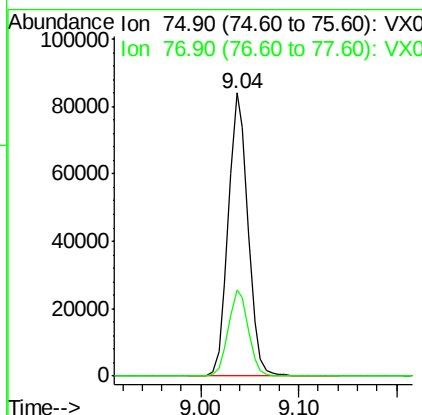
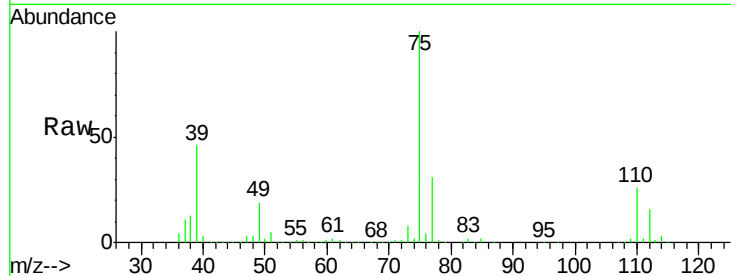
#53
t-1,3-Dichloropropene
Concen: 50.502 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion: 75 Resp: 117976
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0

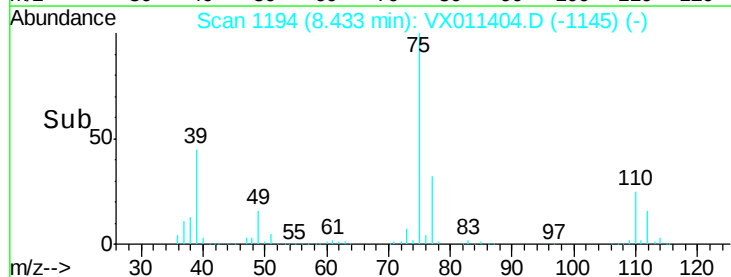
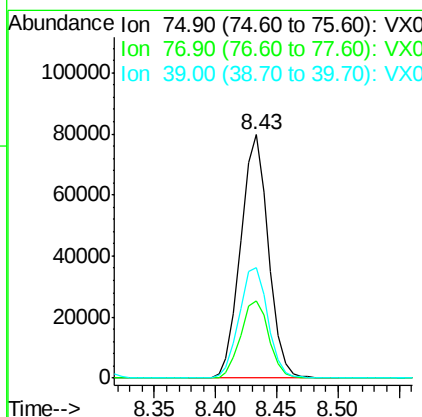
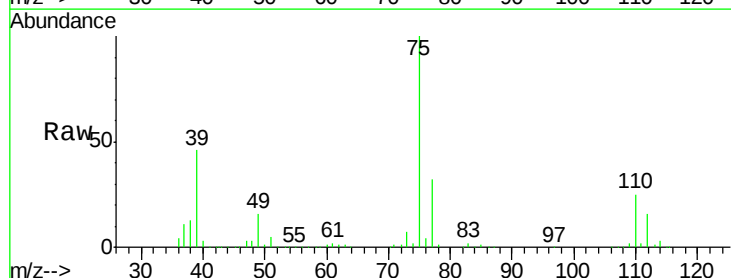
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#54
cis-1,3-Dichloropropene
Concen: 53.529 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 75 Resp: 125353
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6
39 45.3 35.3 52.9





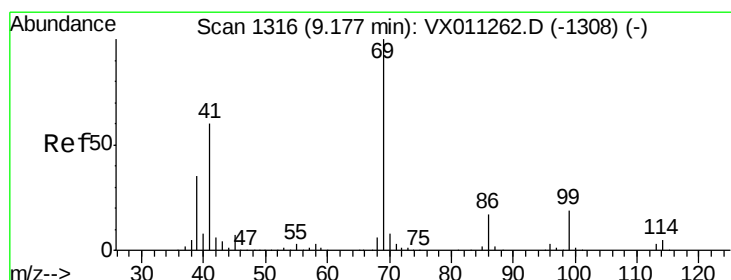
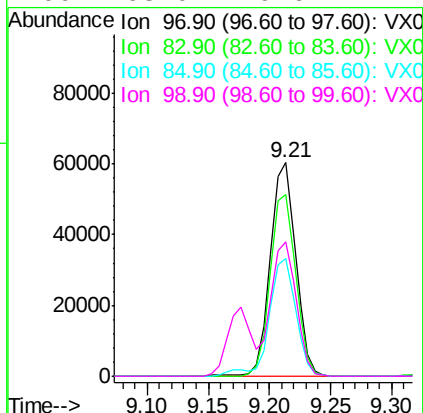
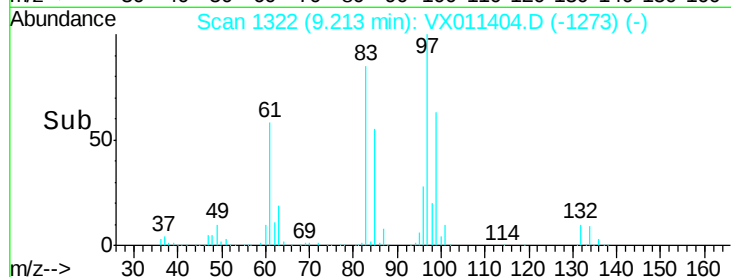
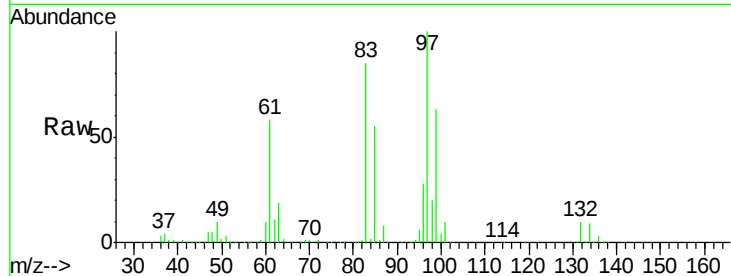
#55
 1,1,2-Trichloroethane
 Concen: 51.462 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion:	97	Resp:	87615
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.6	101.4
85	54.9	43.4	65.0
99	63.0	49.6	74.4

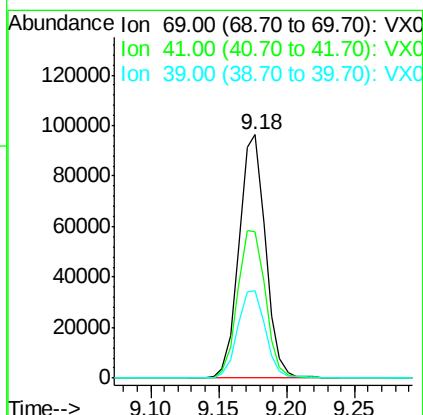
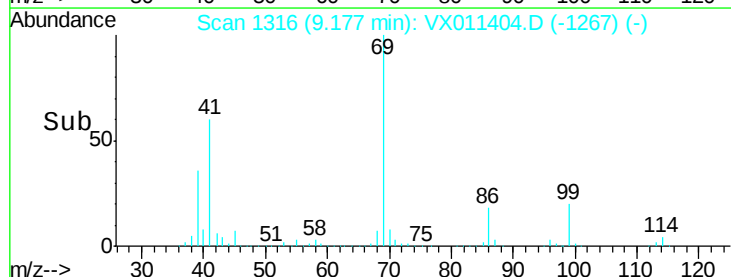
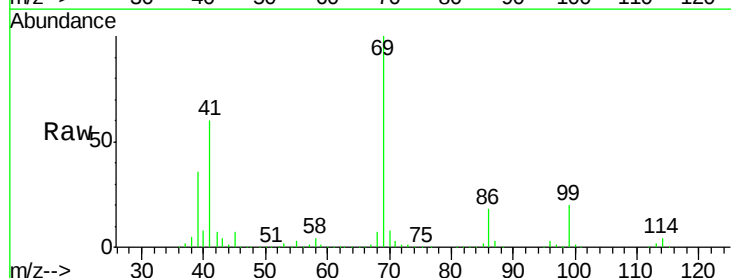
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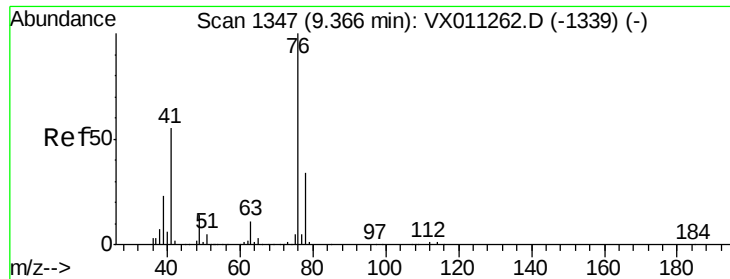
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#56
 Ethyl methacrylate
 Concen: 53.916 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion:	69	Resp:	130810
Ion	Ratio	Lower	Upper
69	100		
41	63.6	48.6	73.0
39	37.3	29.4	44.2





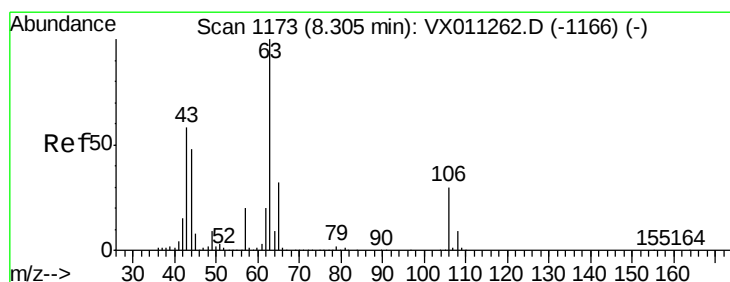
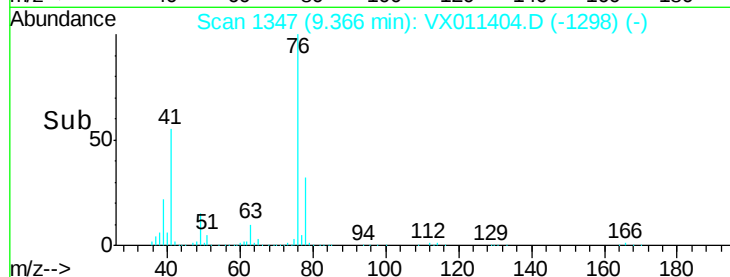
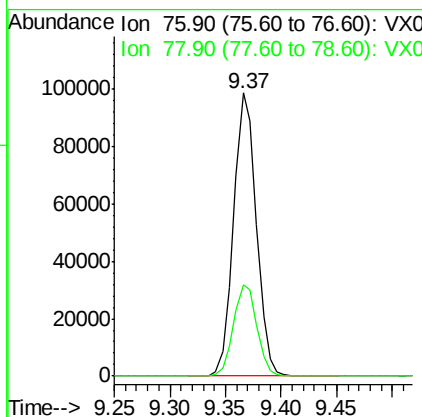
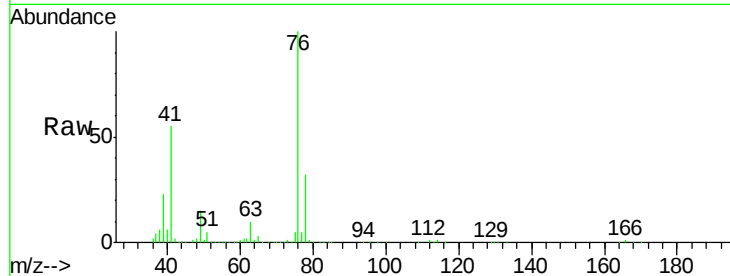
#57
 1,3-Dichloropropane
 Concen: 51.861 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.6	40.0

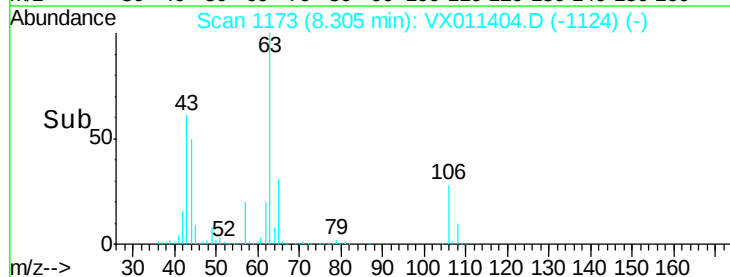
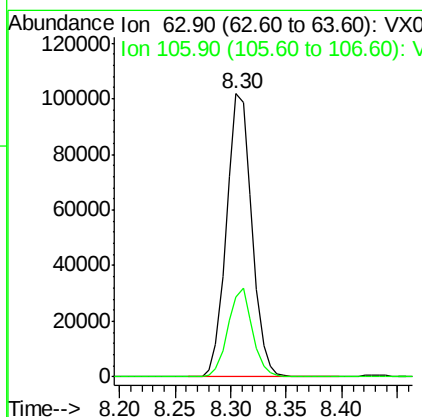
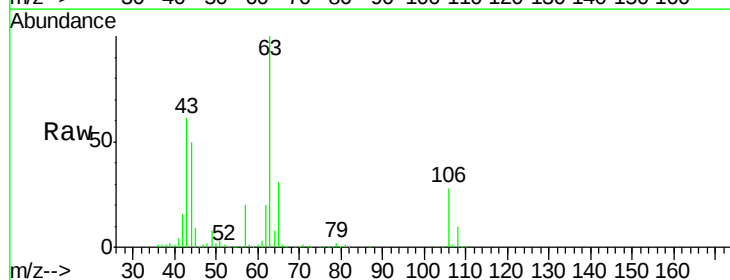
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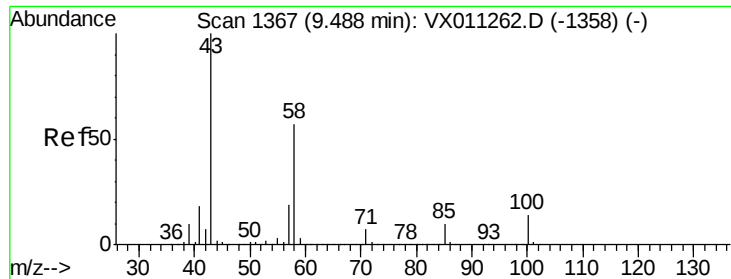
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#58
 2-Chloroethyl Vinyl ether
 Concen: 134.336 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	24.4	36.6





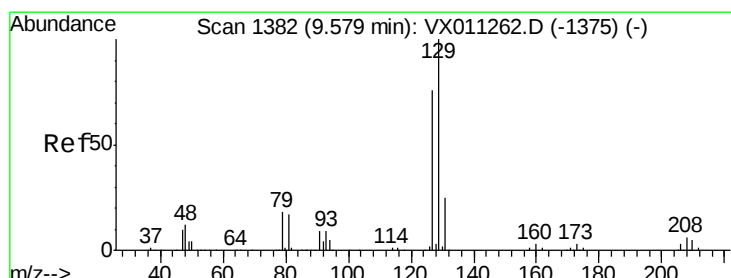
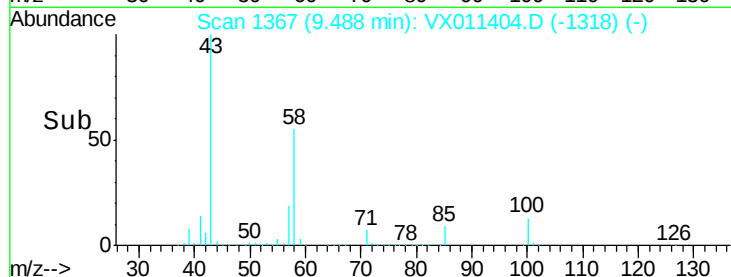
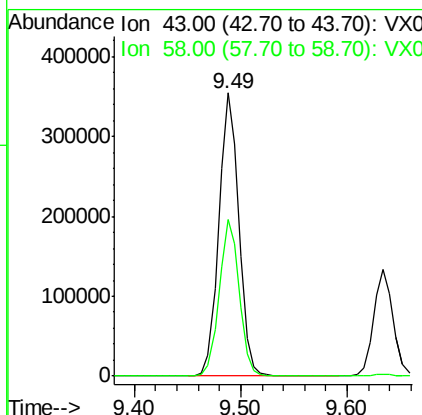
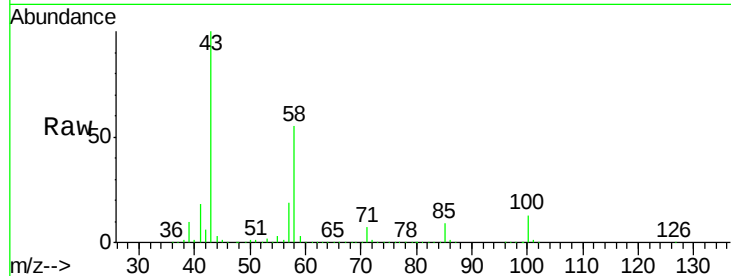
#59
2-Hexanone
Concen: 274.940 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion: 43 Resp: 462575
Ion Ratio Lower Upper
43 100
58 55.4 28.2 84.6

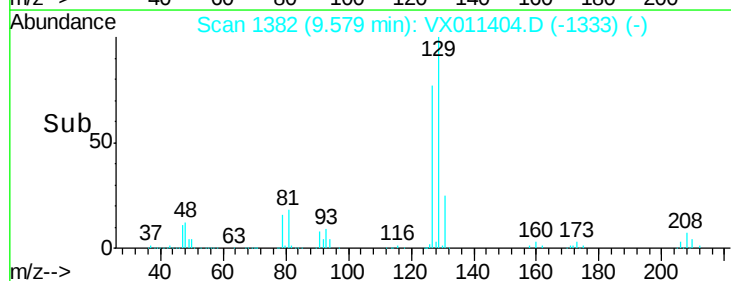
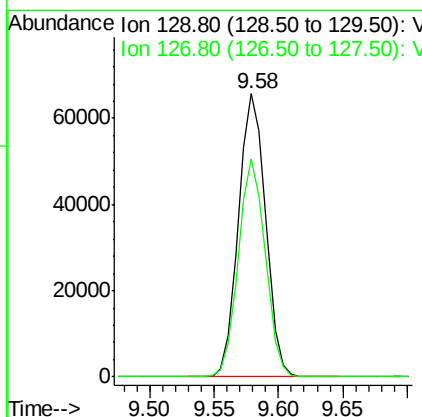
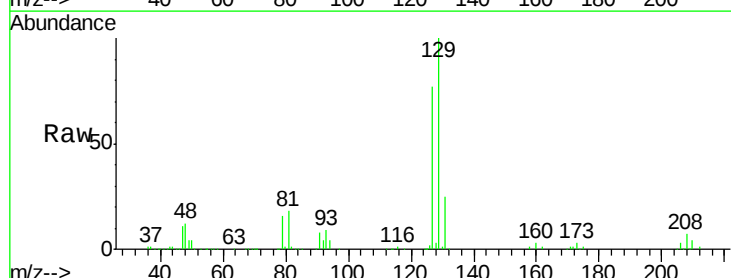
Manual Integrations
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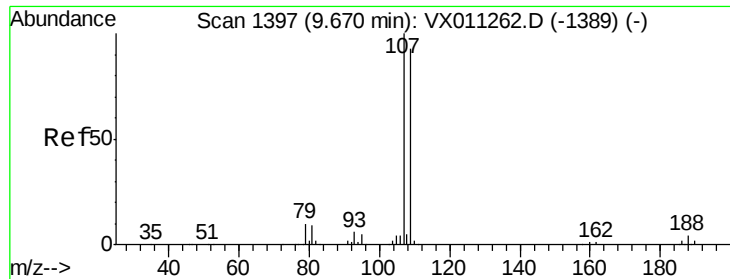
MMDadoda
8/12/2019 12:50:03 PM



#60
Dibromochloromethane
Concen: 54.931 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 129 Resp: 95748
Ion Ratio Lower Upper
129 100
127 76.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 51.761 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:107 Resp: 95209

Ion Ratio Lower Upper

107 100

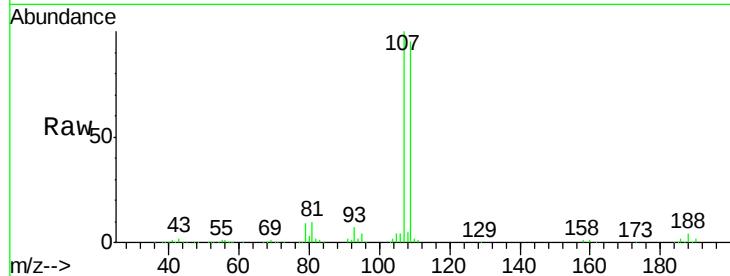
109 95.1 76.6 114.8

Manual Integrations

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MMDadoda

8/12/2019 12:50:03 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

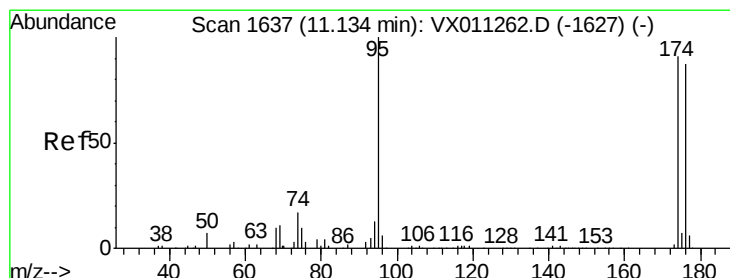
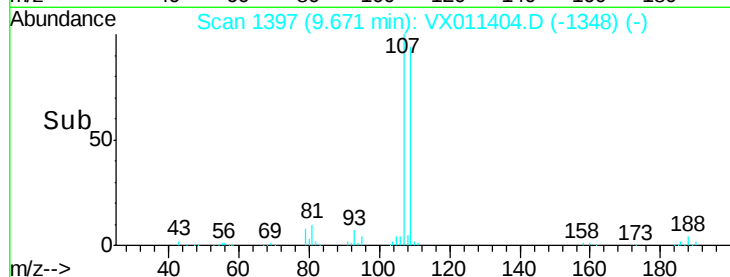
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 53.787 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

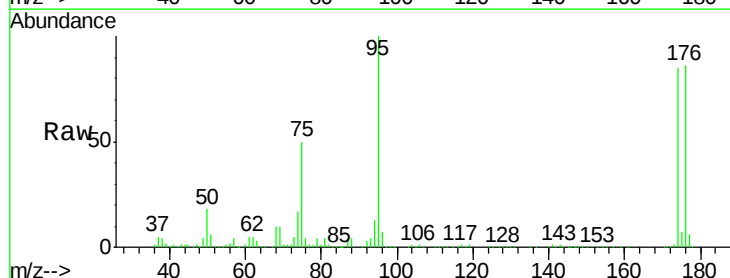
Tgt Ion: 95 Resp: 113762

Ion Ratio Lower Upper

95 100

174 89.7 0.0 191.2

176 88.4 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

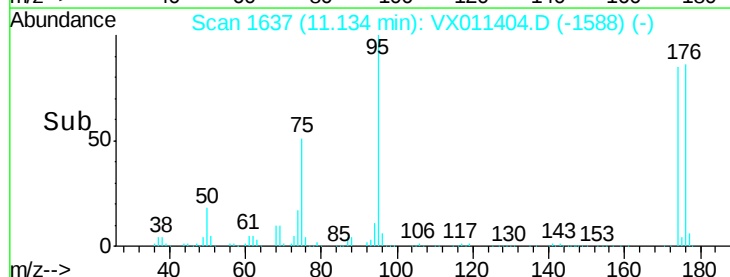
40000

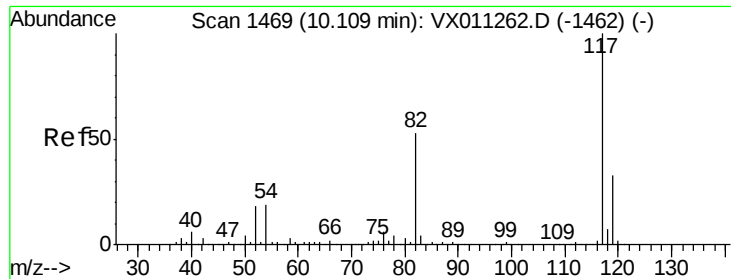
20000

0

11.05 11.10 11.15

Time-->





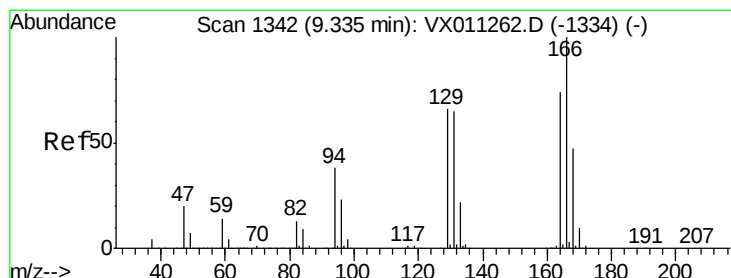
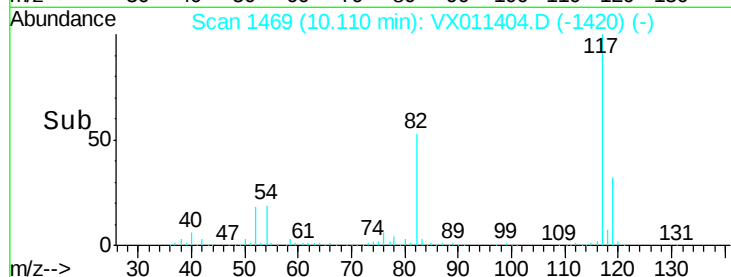
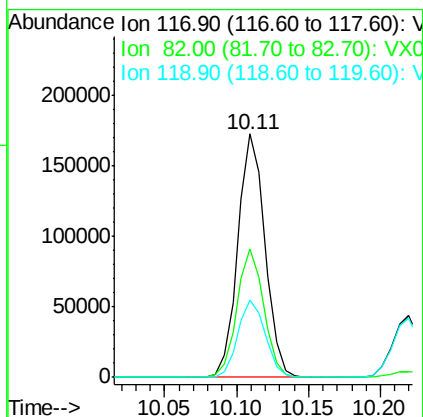
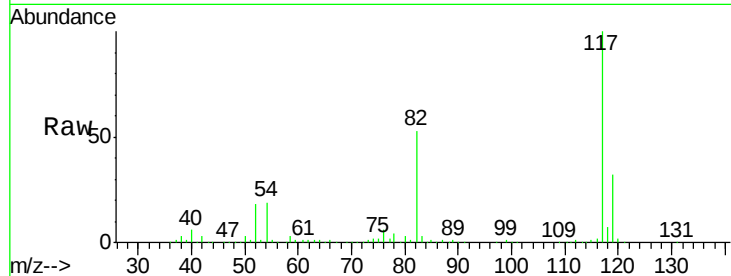
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.2
119	31.6	26.6	39.8

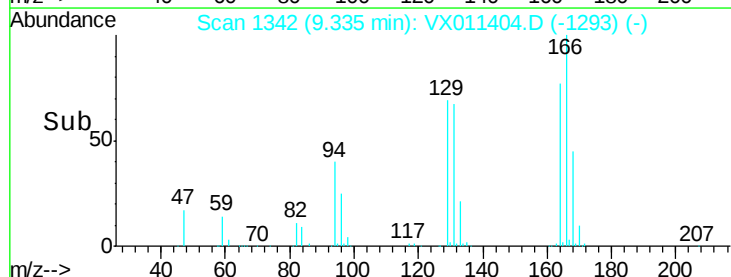
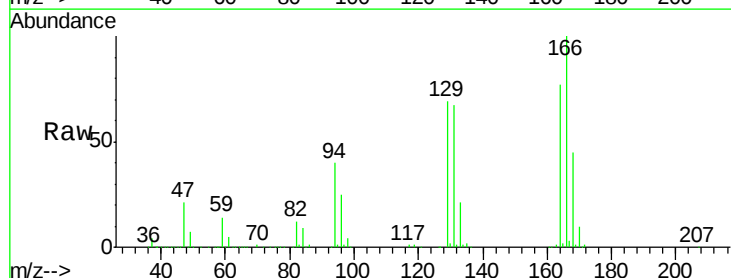
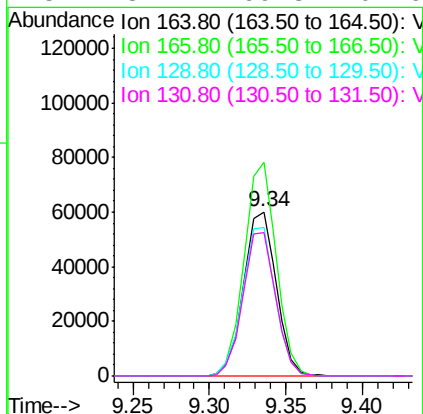
Manual Integrations
APPROVED

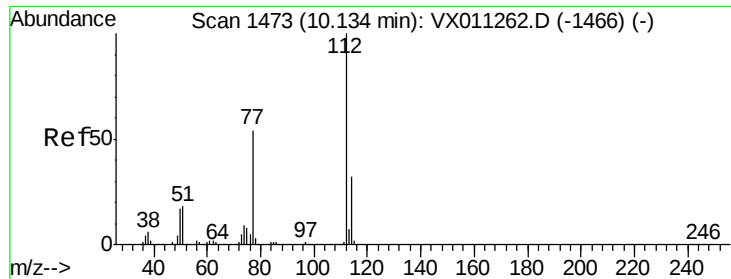
MMDadoda
8/12/2019 12:50:03 PM



#64
Tetrachloroethene
Concen: 46.540 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	107.5	161.3
129	90.1	71.0	106.4
131	87.7	69.8	104.6





#65

Chlorobenzene

Concen: 48.484 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:112 Resp: 235224

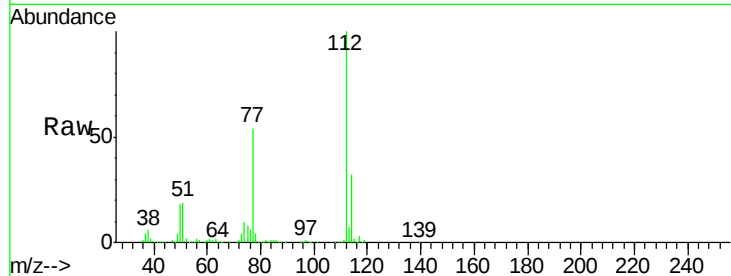
Ion Ratio Lower Upper

112 100

114 32.2 25.9 38.9

Manual Integrations
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MMDadoda
8/12/2019 12:50:03 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

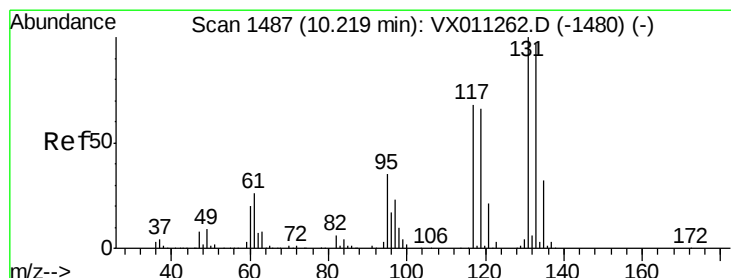
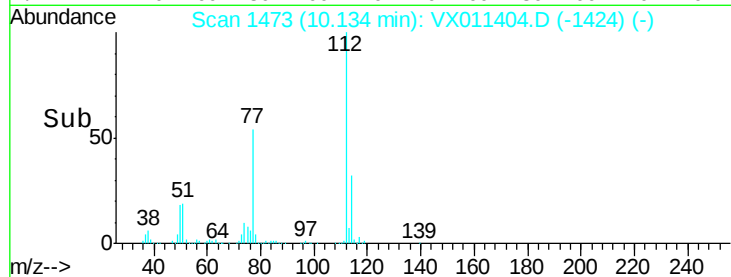
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.131 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

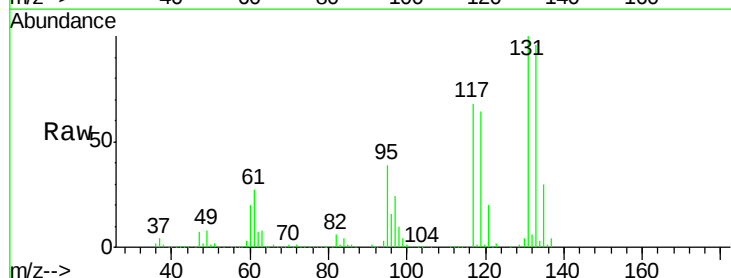
Tgt Ion:131 Resp: 88248

Ion Ratio Lower Upper

131 100

133 96.1 47.7 143.1

119 64.2 32.8 98.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

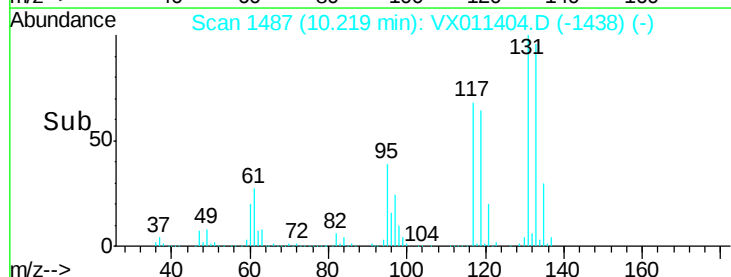
60000

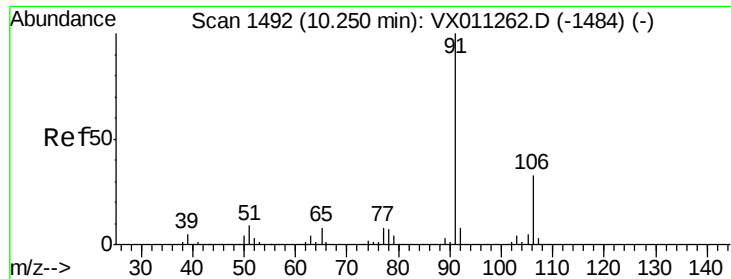
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 51.652 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion: 91 Resp: 419676

Ion Ratio Lower Upper

91 100

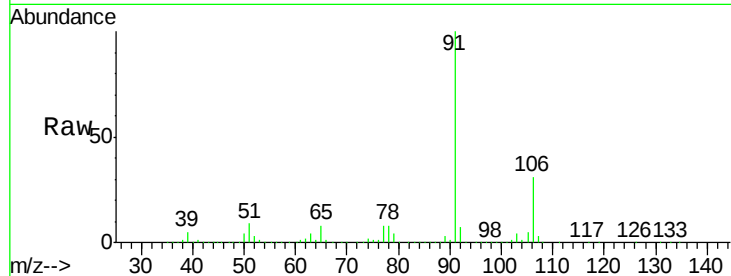
106 31.2 26.2 39.4

Manual Integrations

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8/12/2019 12:50:03 PM



Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX011262.D (-1484) (-)

500000

400000

300000

200000

100000

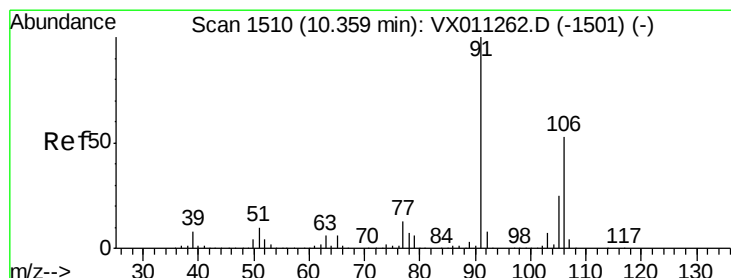
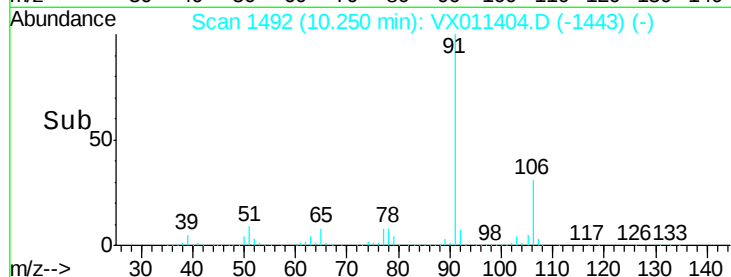
0

10.20

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 107.960 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011404.D

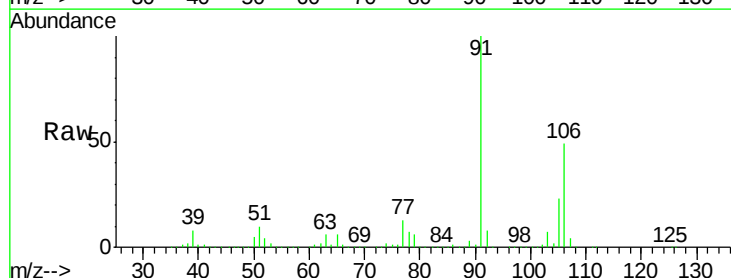
Acq: 09 Aug 2019 12:58

Tgt Ion: 106 Resp: 339294

Ion Ratio Lower Upper

106 100

91 198.7 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VX011262.D (-1501) (-)

Ion 91.00 (90.70 to 91.70): VX011262.D (-1501) (-)

500000

400000

300000

200000

100000

0

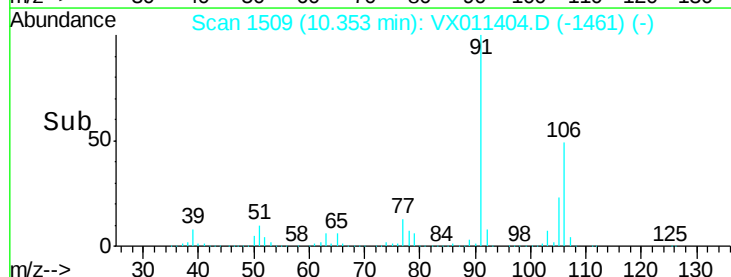
10.30

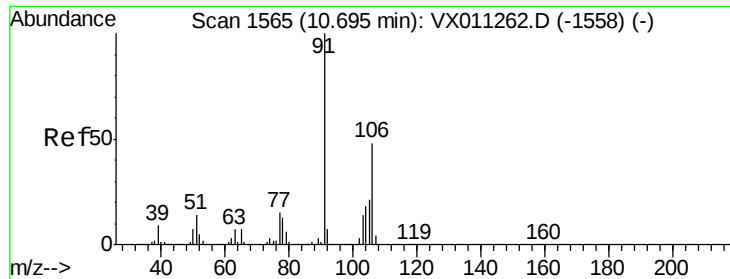
10.35

10.40

10.50

Time-->





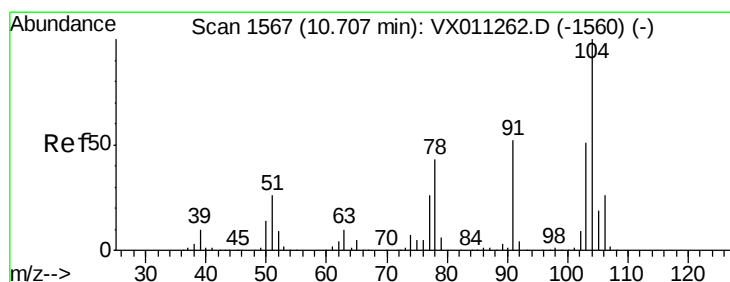
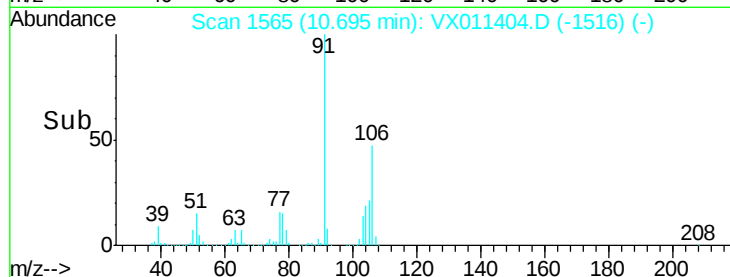
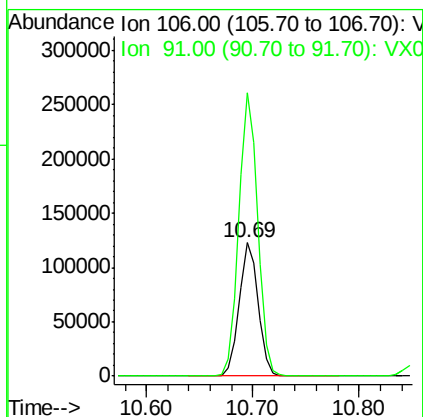
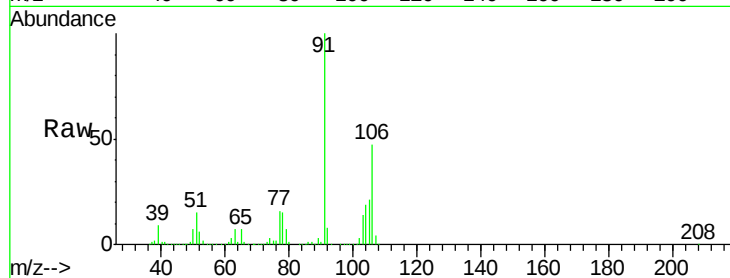
#69
o-Xylene
Concen: 49.814 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Resp	Lower	Upper
106	100	153819		
91	212.2	103.8	311.3	

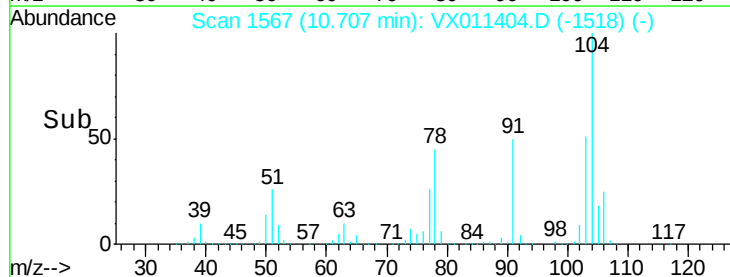
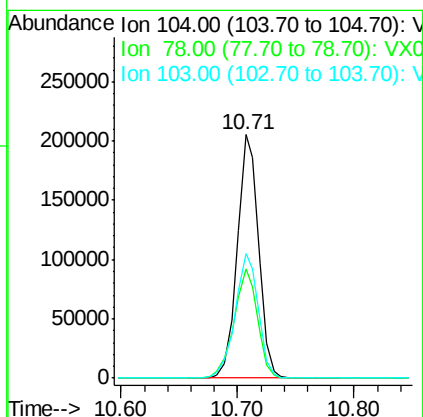
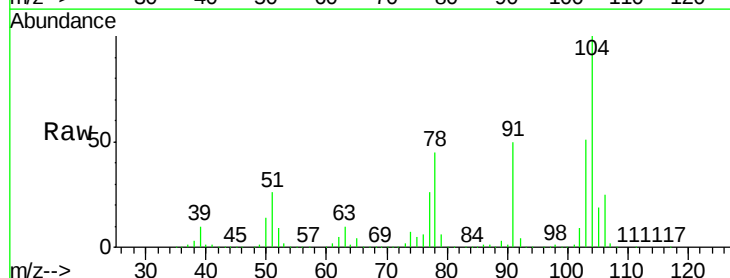
Manual Integrations
APPROVED

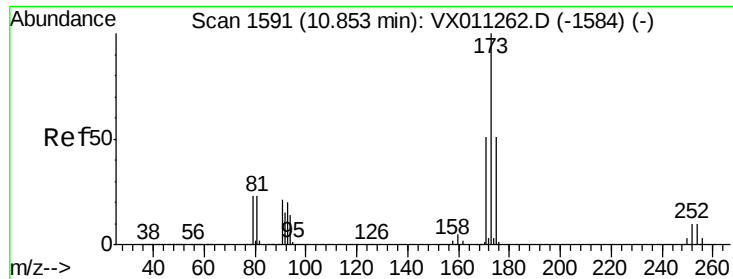
MMDadoda
8/12/2019 12:50:03 PM



#70
Styrene
Concen: 51.317 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	262196		
78	49.5	36.9	55.3	
103	55.7	44.4	66.6	





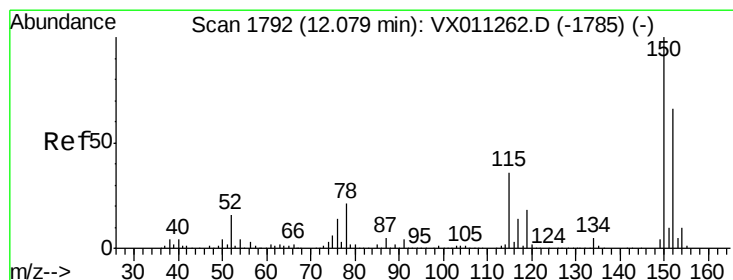
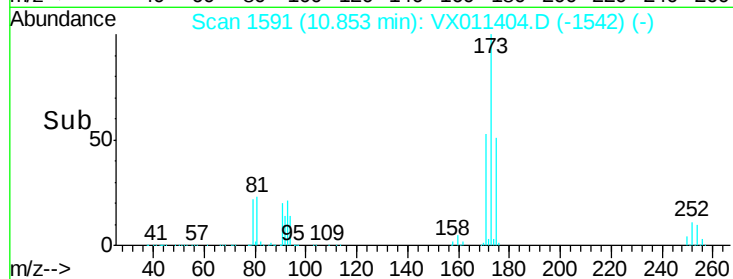
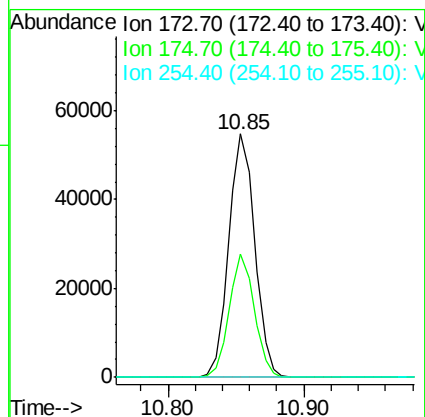
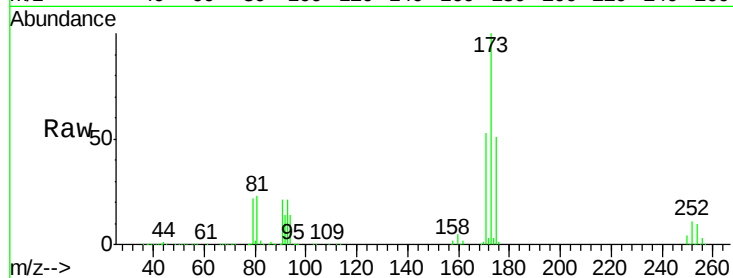
#71
Bromoform
Concen: 49.107 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	0.1	0.2	0.2

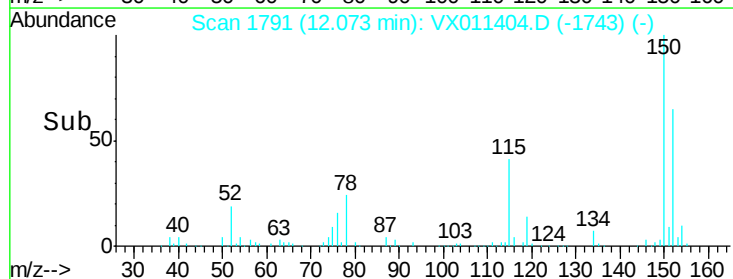
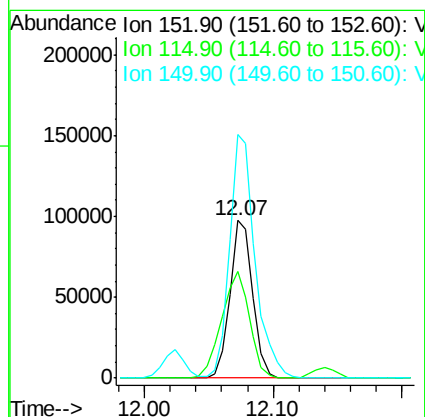
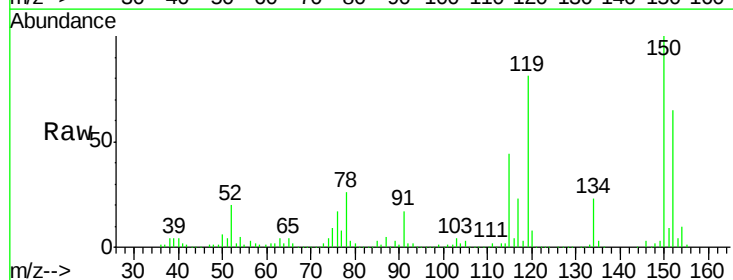
Manual Integrations
APPROVED

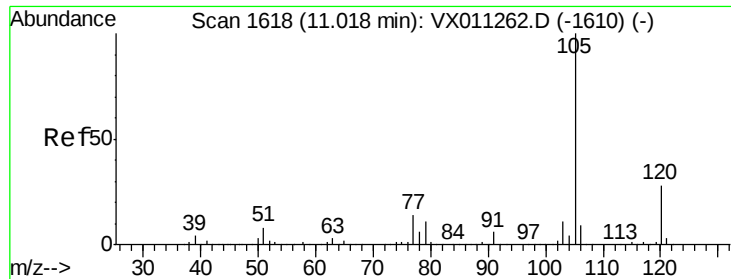
MMDadoda
8/12/2019 12:50:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.1	40.0	119.9
150	172.6	0.0	350.4





#73

Isopropylbenzene

Concen: 58.503 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion: 105 Resp: 483092

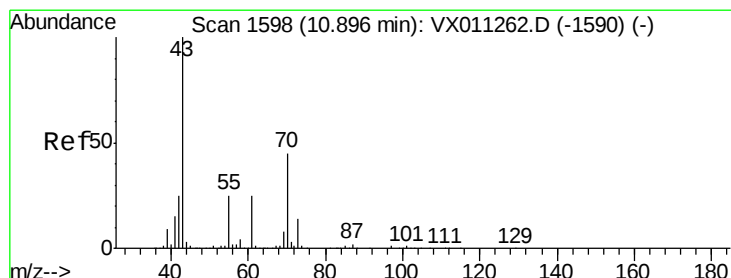
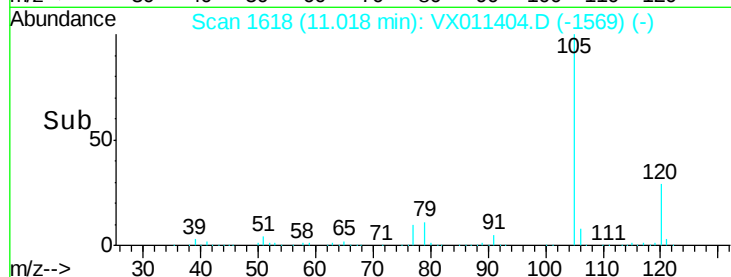
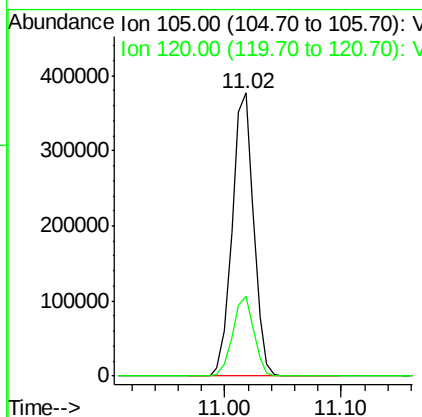
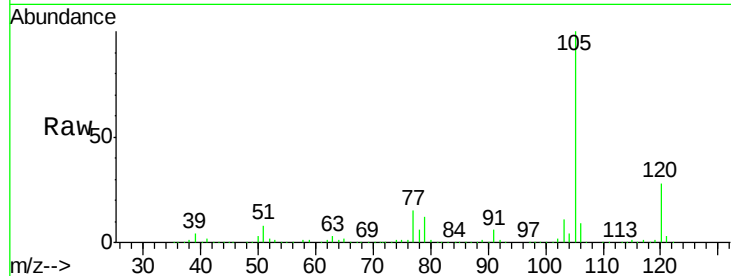
Ion Ratio Lower Upper

105 100

120 27.8 13.7 41.1

Manual Integrations
APPROVED

MMDadoda
8/12/2019 12:50:03 PM



#74

N-ethyl acetate

Concen: 54.975 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Tgt Ion: 43 Resp: 164029

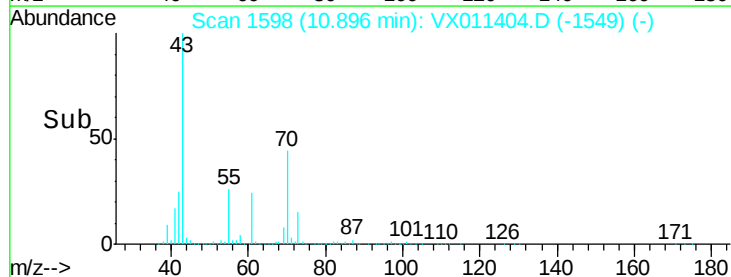
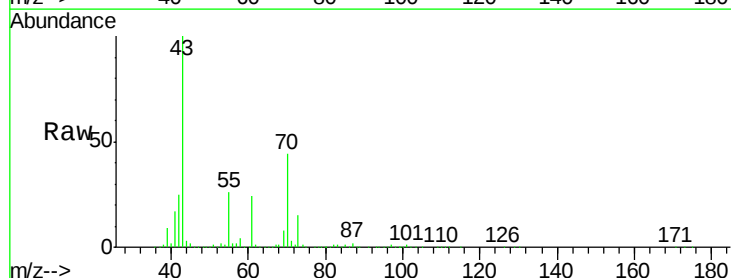
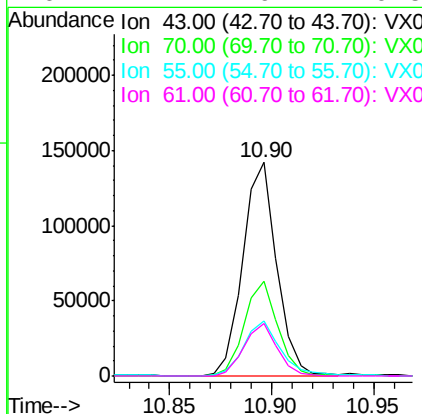
Ion Ratio Lower Upper

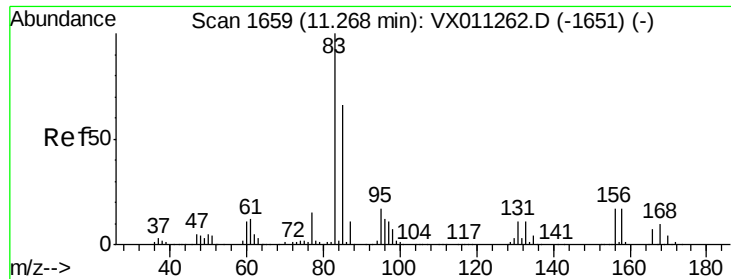
43 100

70 44.4 35.9 53.9

55 28.1 19.8 29.6

61 24.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.281 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

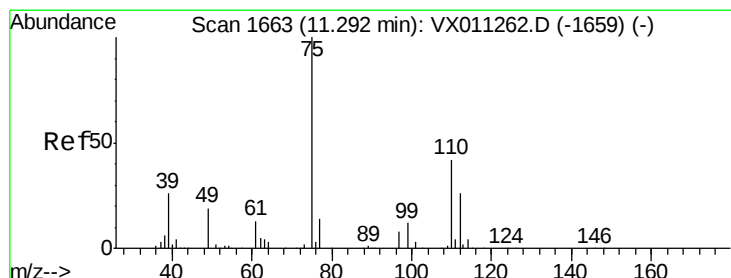
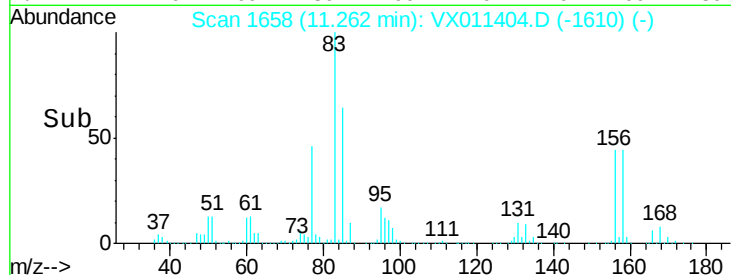
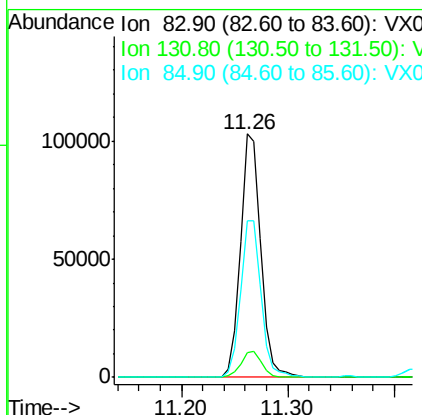
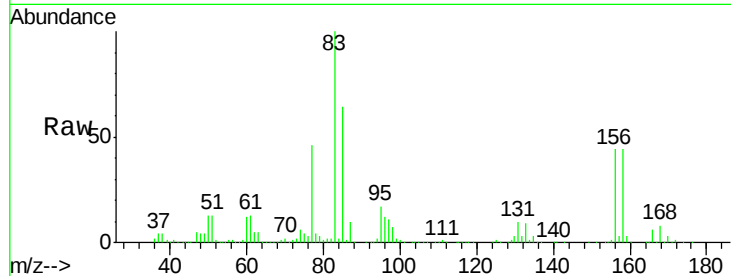
ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:	83	Resp:	138365
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	65.2	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
8/12/2019 12:50:03 PM



#76

1,2,3-Trichloropropane

Concen: 53.680 ug/l m

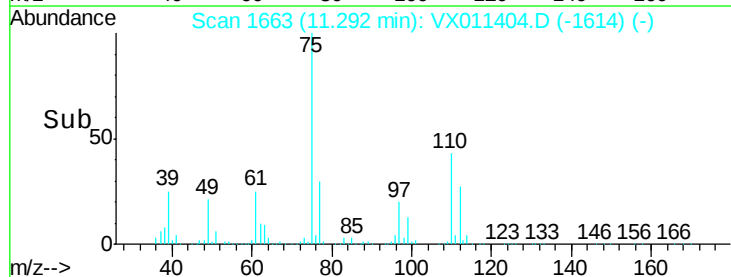
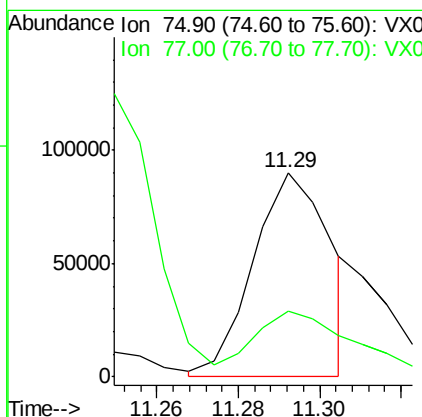
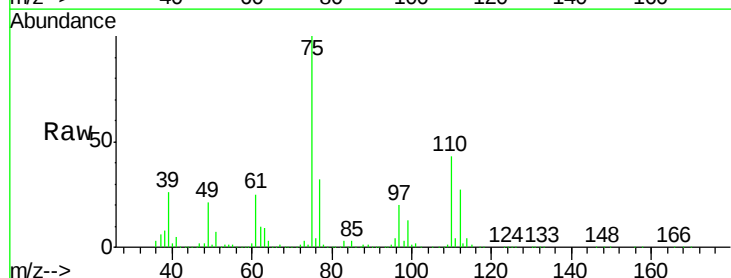
RT: 11.29 min Scan# 1663

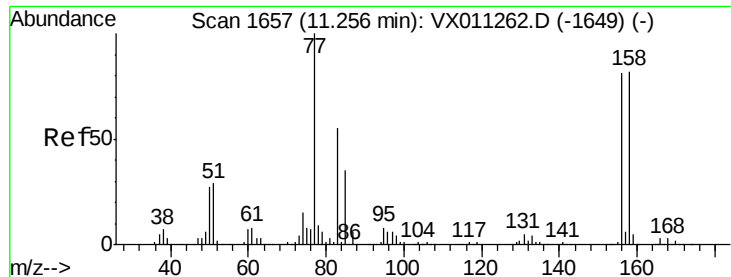
Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Tgt Ion:	75	Resp:	118030
Ion Ratio	Lower	Upper	
75	100		
77	42.5	21.1	63.4





#77

Bromobenzene

Concen: 49.664 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:156 Resp: 113720

Ion Ratio Lower Upper

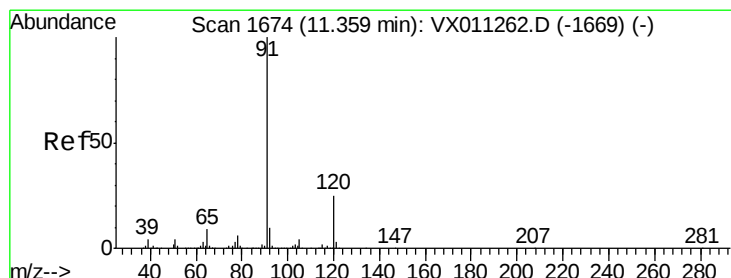
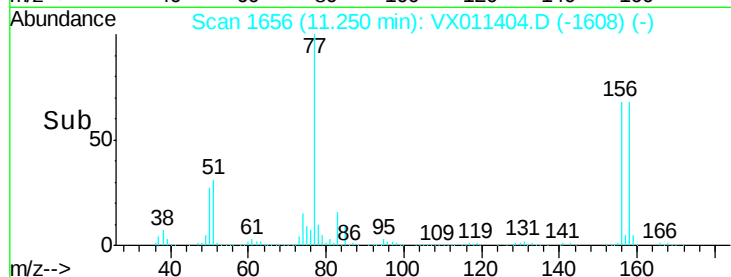
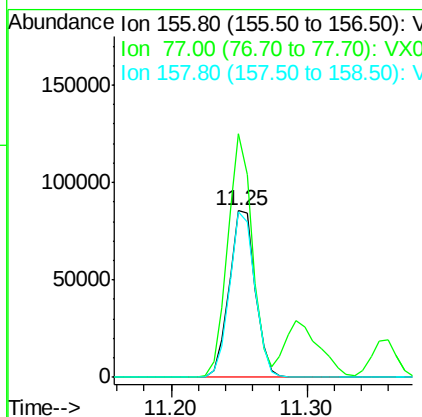
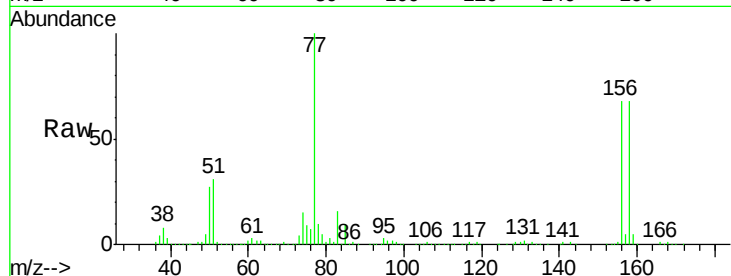
156 100

77 138.0 66.2 198.6

158 96.8 49.1 147.3

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#78

n-propylbenzene

Concen: 66.292 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011404.D

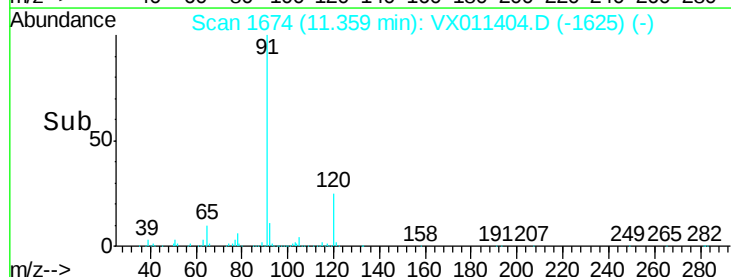
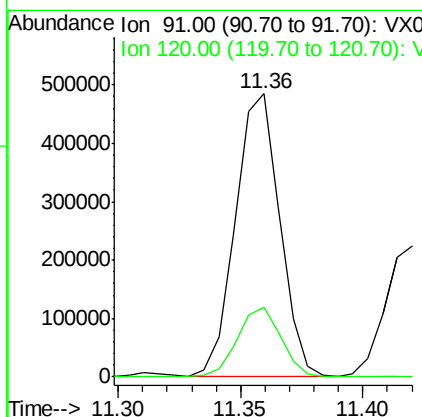
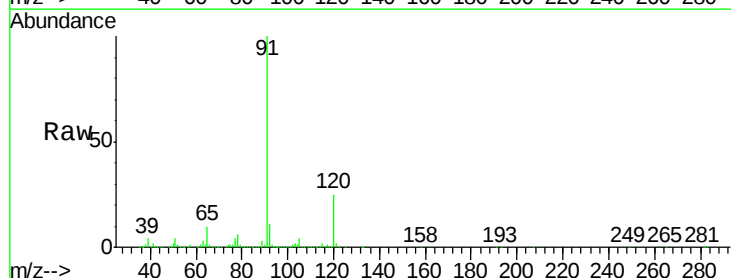
Acq: 09 Aug 2019 12:58

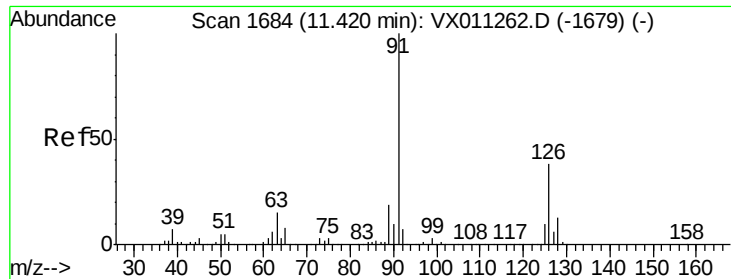
Tgt Ion: 91 Resp: 608754

Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.0





#79

2-Chlorotoluene

Concen: 52.989 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion: 91 Resp: 290025

Ion Ratio Lower Upper

91 100

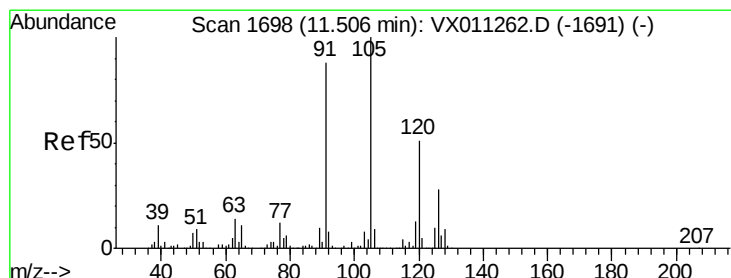
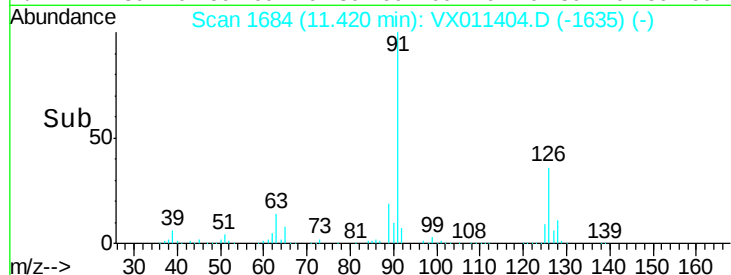
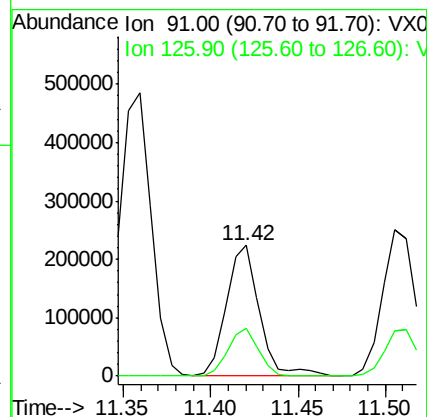
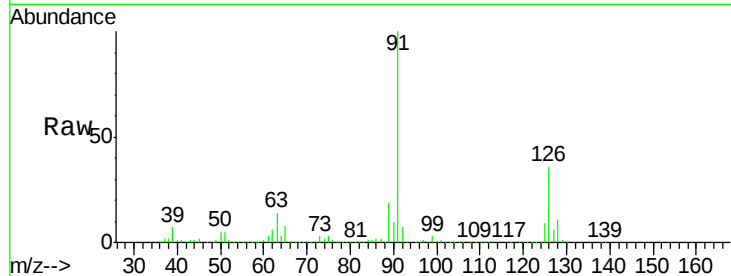
126 34.6 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.017 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011404.D

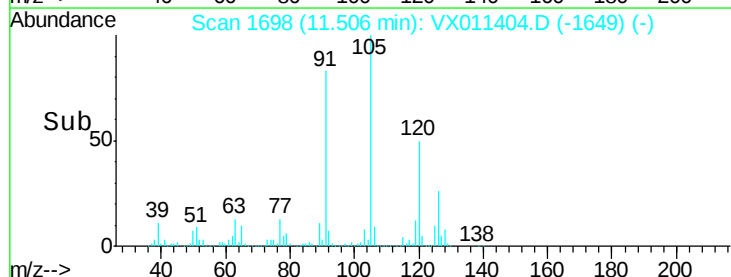
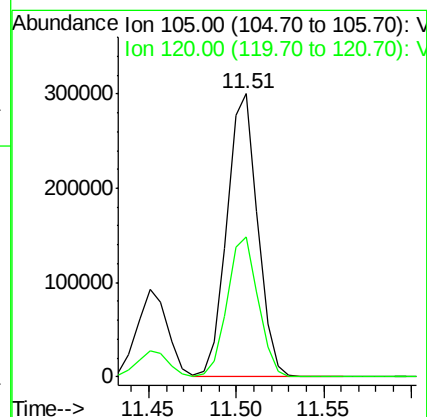
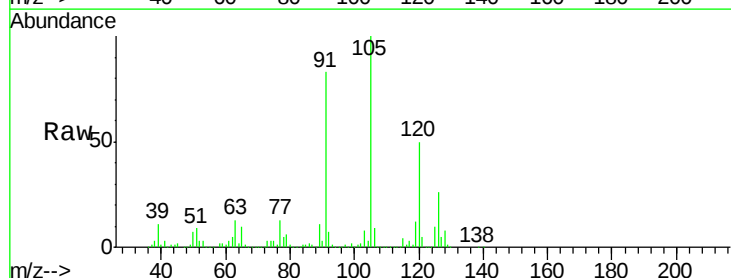
Acq: 09 Aug 2019 12:58

Tgt Ion: 105 Resp: 366476

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.521 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion: 75 Resp: 40737

Ion Ratio Lower Upper

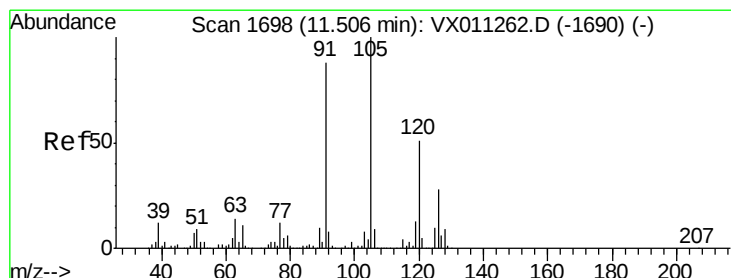
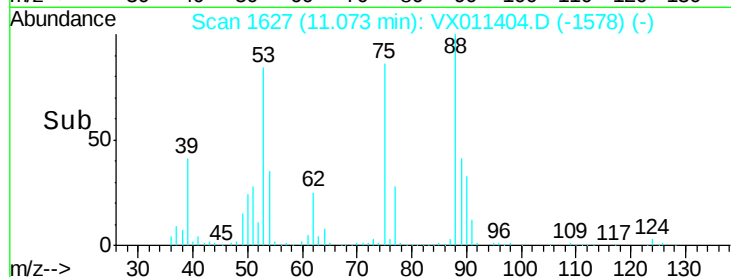
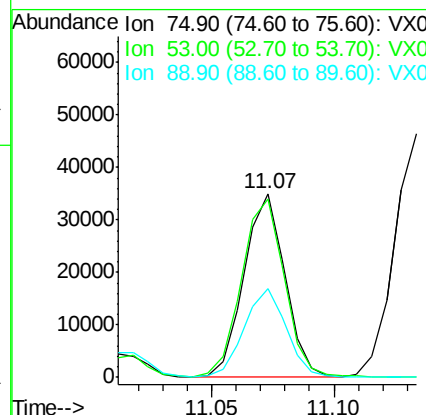
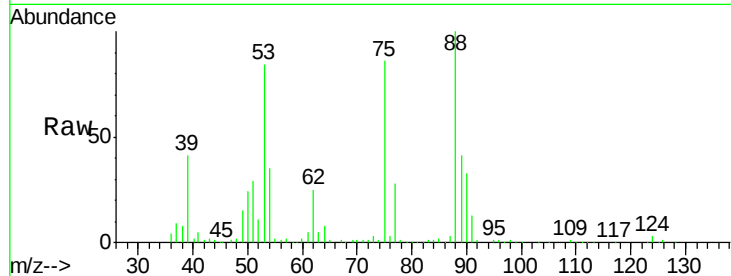
75 100

53 101.1 78.2 117.4

89 50.1 37.9 56.9

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#82

4-Chlorotoluene

Concen: 50.689 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011404.D

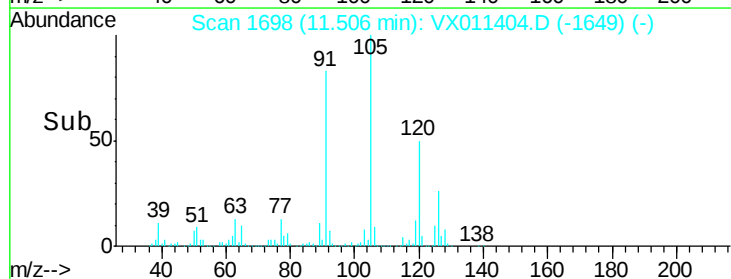
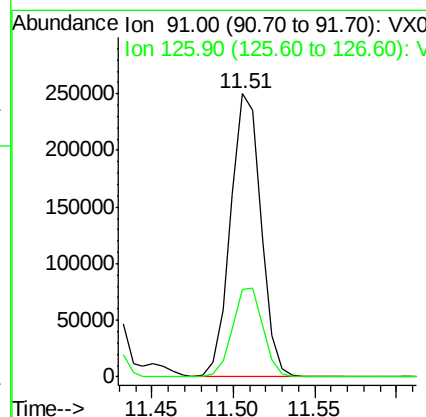
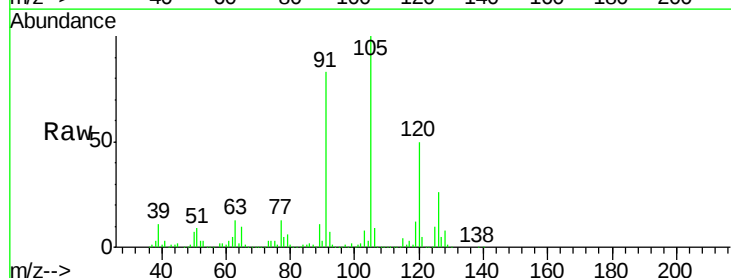
Acq: 09 Aug 2019 12:58

Tgt Ion: 91 Resp: 323330

Ion Ratio Lower Upper

91 100

126 31.6 16.4 49.2





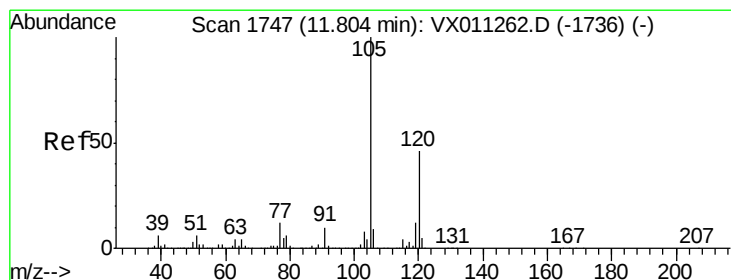
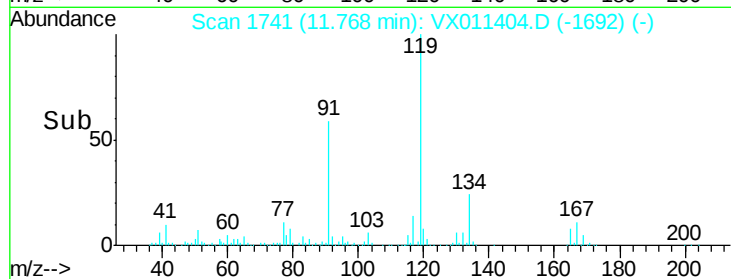
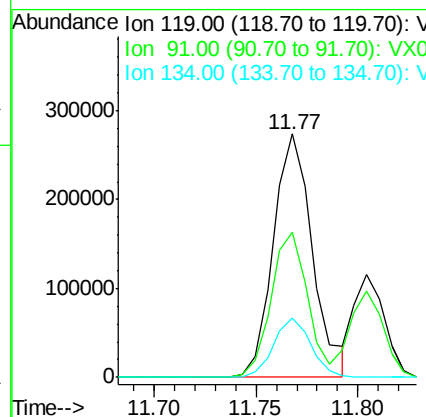
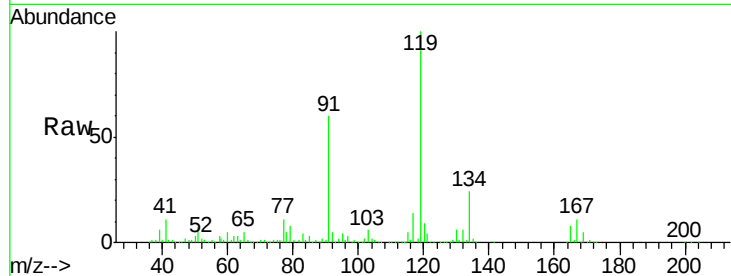
#83
 tert-Butylbenzene
 Concen: 54.255 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	367823		
91	55.5	28.0	84.0	
134	23.2	11.9	35.5	

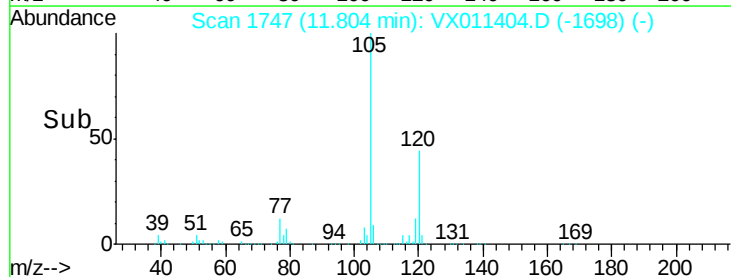
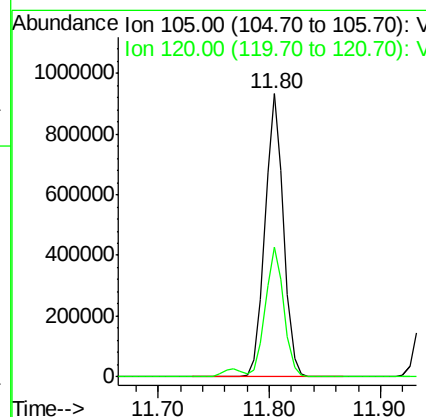
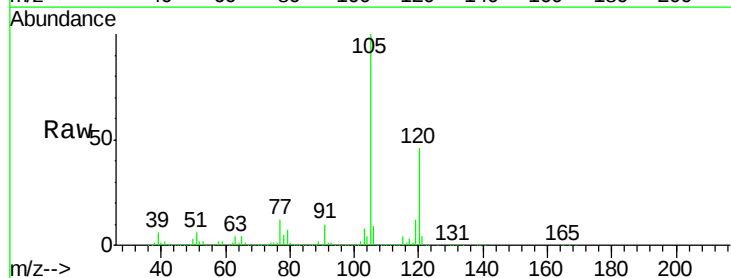
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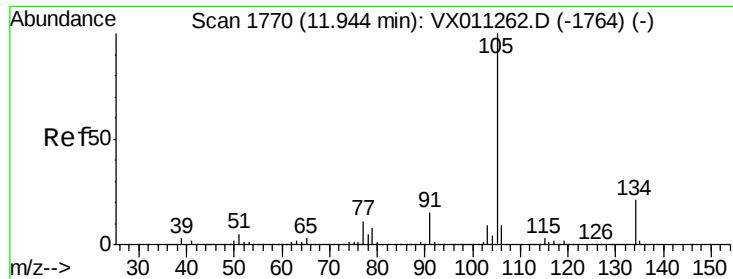
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 157.045 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1080815		
120	45.8	23.0	69.0	





#85

sec-Butylbenzene

Concen: 55.063 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:105 Resp: 448505

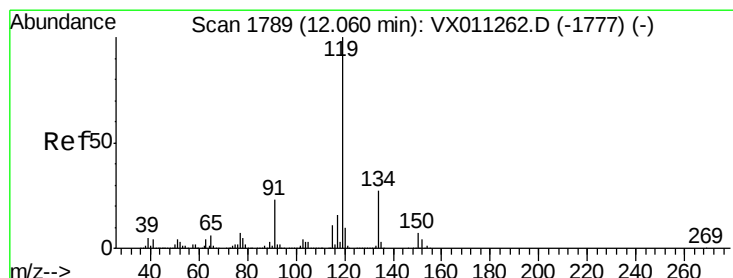
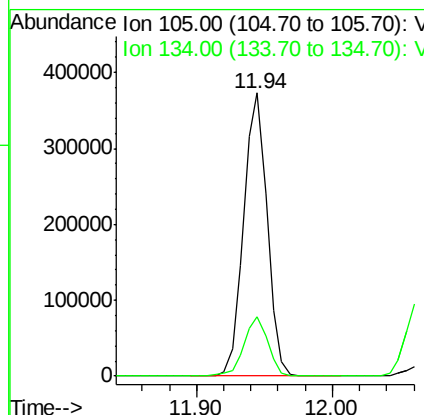
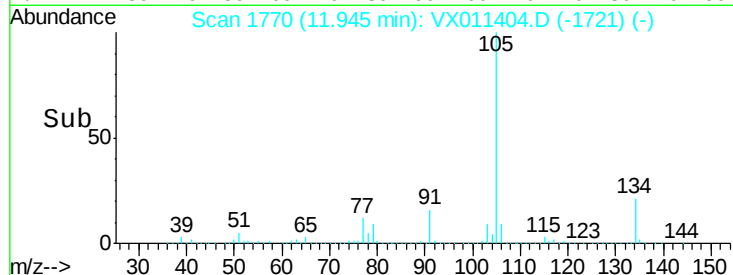
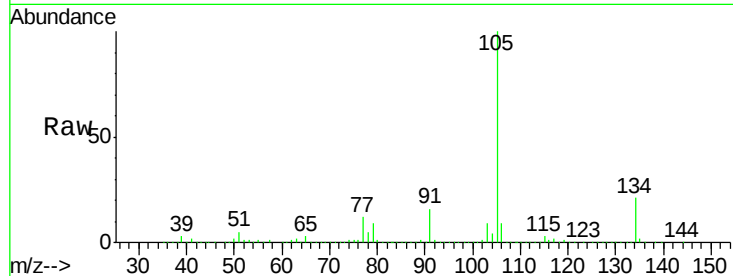
Ion Ratio Lower Upper

105 100

134 21.7 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 55.070 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

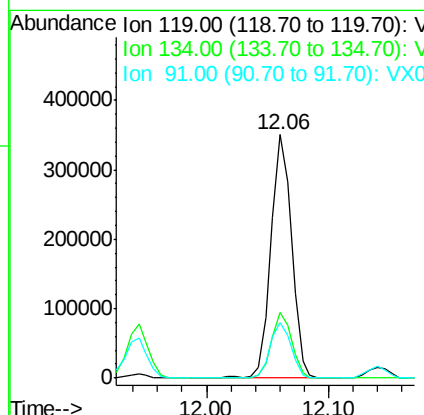
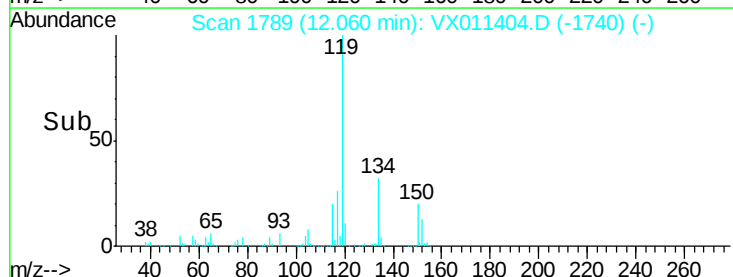
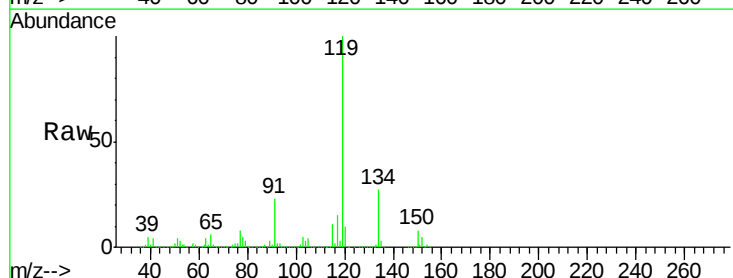
Tgt Ion:119 Resp: 412665

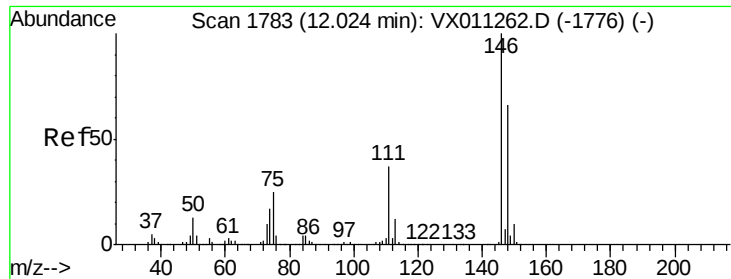
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 23.1 11.4 34.2





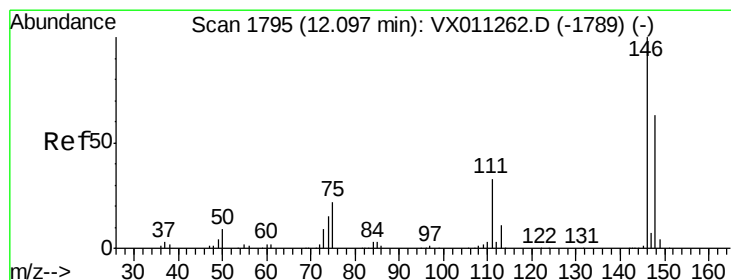
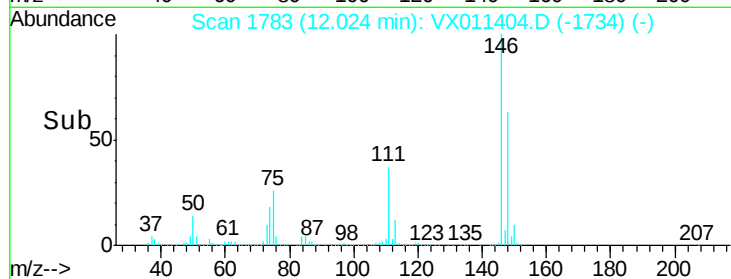
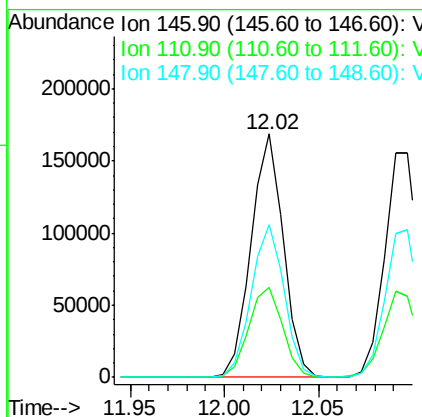
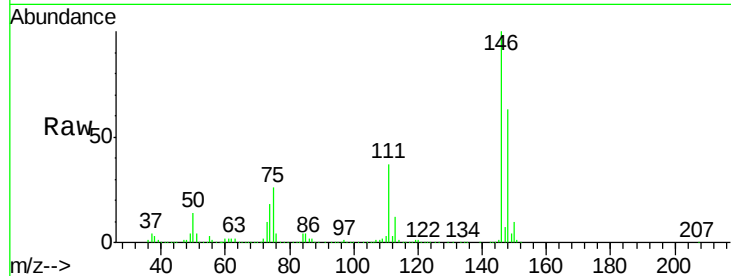
#87
 1,3-Dichlorobenzene
 Concen: 49.624 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.8
148	63.7	32.5	97.5

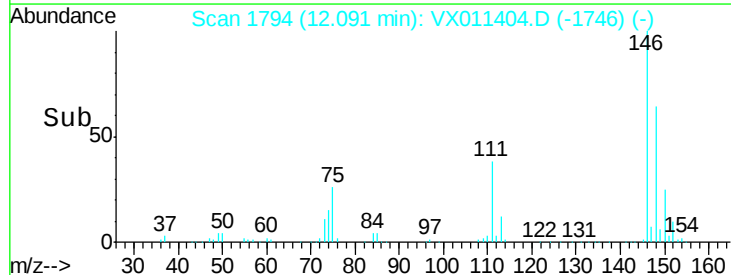
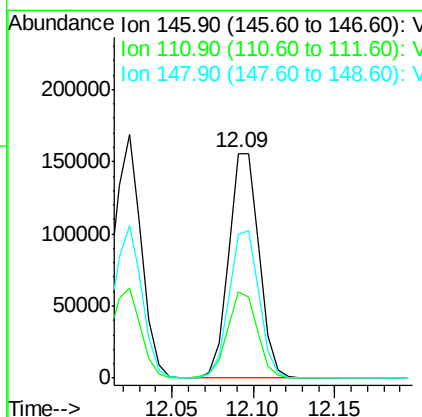
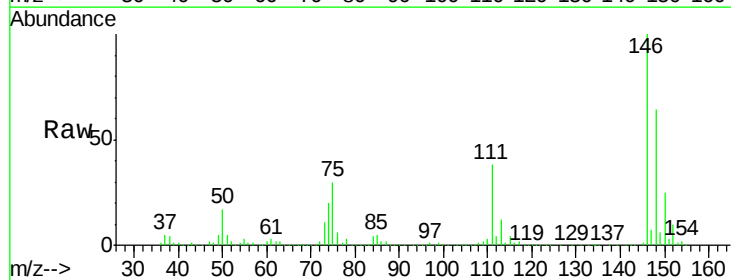
Manual Integrations
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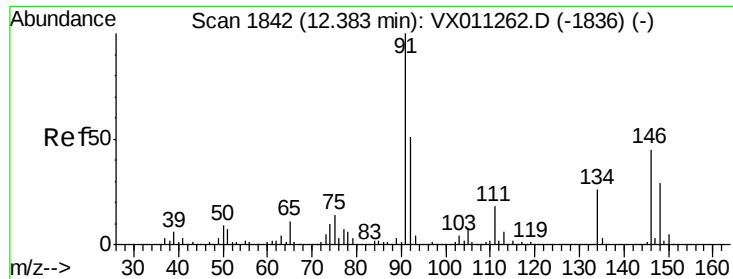
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 8/12/2019 12:50:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.147 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	17.8	53.4
148	64.9	31.8	95.3





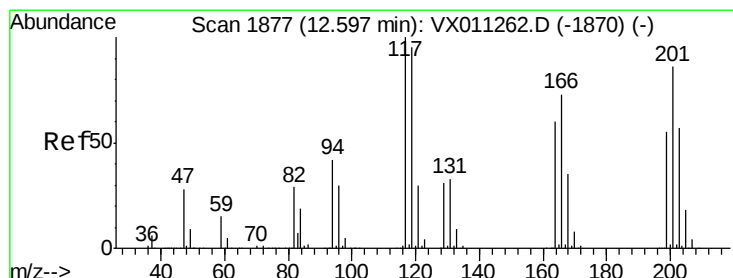
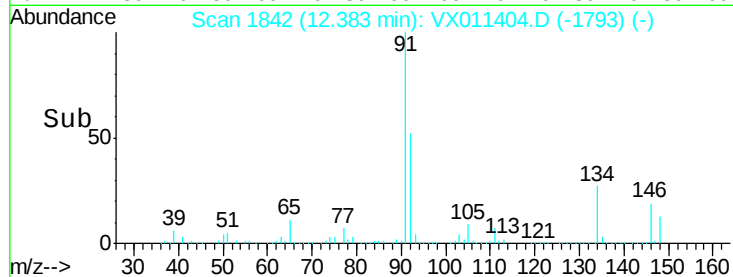
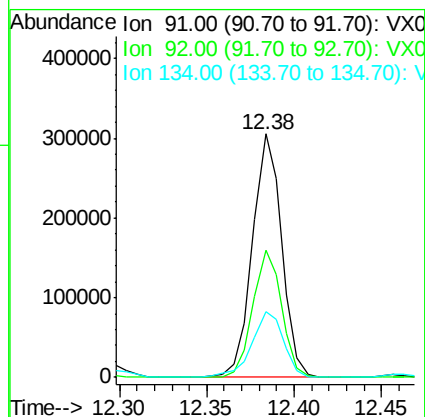
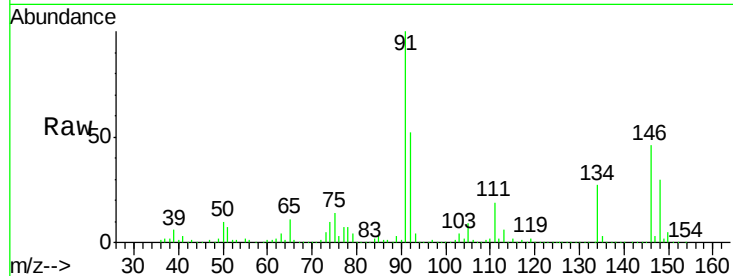
#89
n-Butylbenzene
Concen: 55.153 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	29.7	13.7	41.0

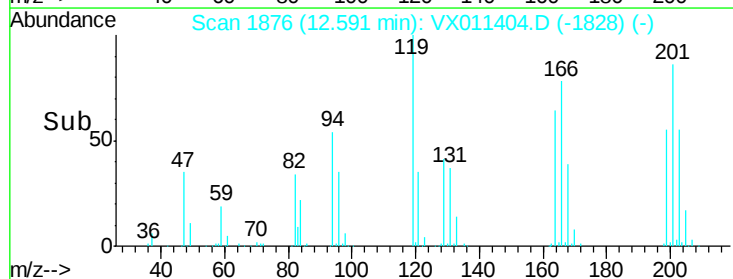
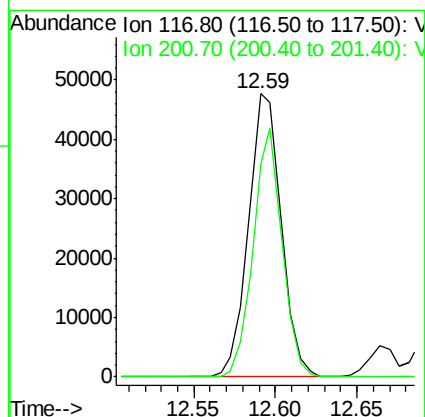
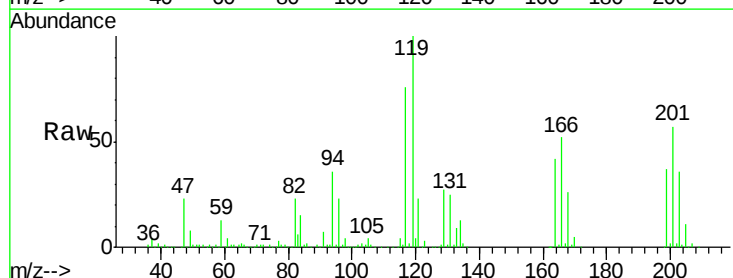
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#90
Hexachloroethane
Concen: 60.340 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	41.8	125.4





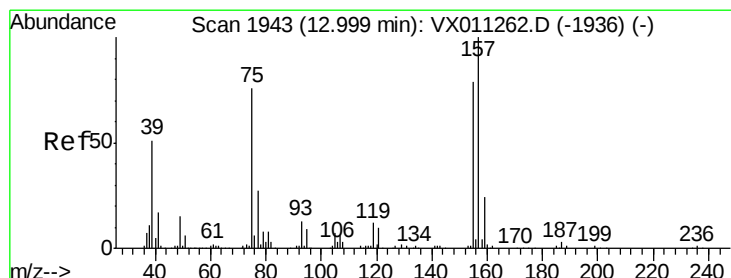
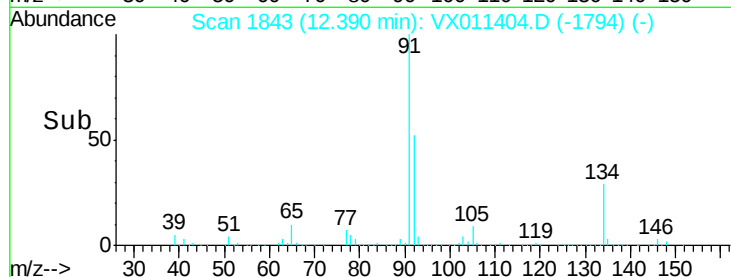
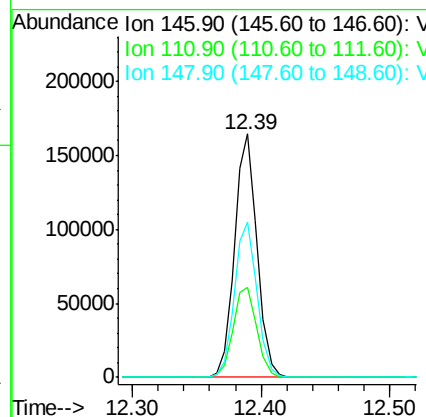
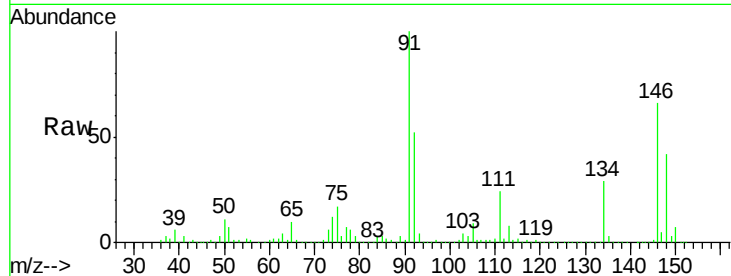
#91
 1,2-Dichlorobenzene
 Concen: 49.436 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.1	32.3	96.8

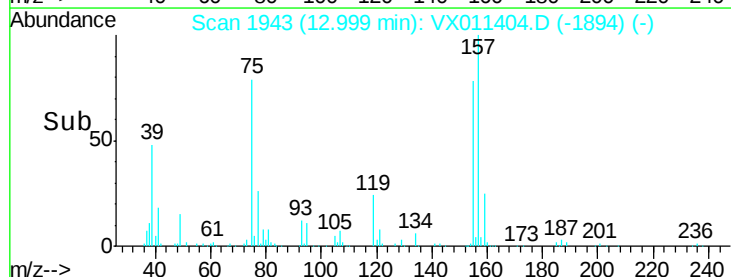
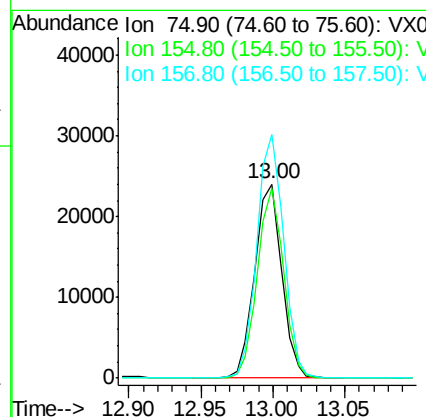
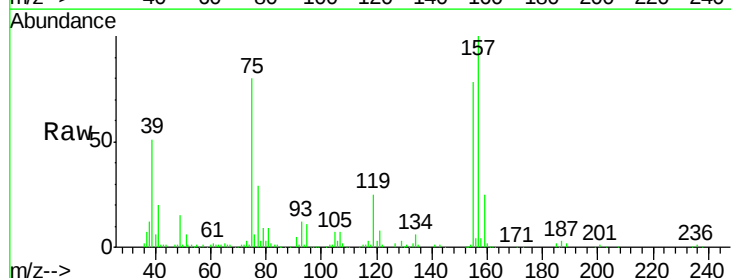
Manual Integrations
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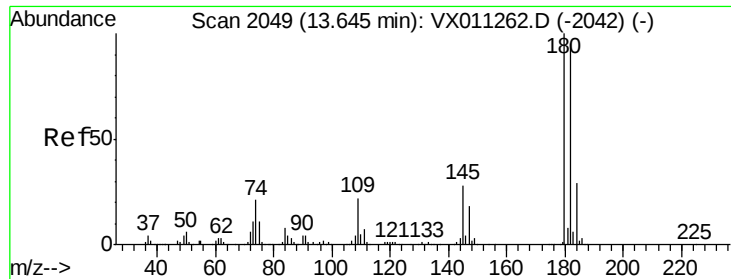
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.307 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	51.9	155.8
157	123.8	64.3	192.7





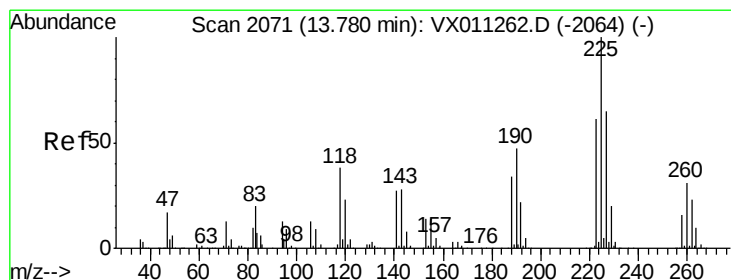
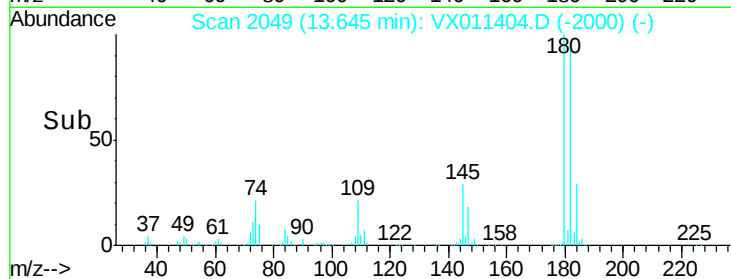
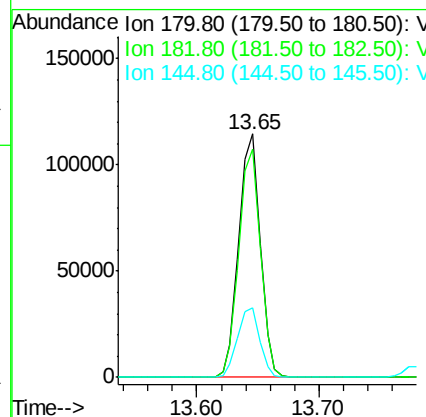
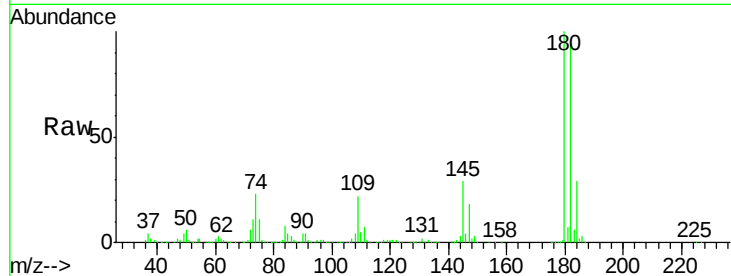
#93
 1,2,4-Trichlorobenzene
 Concen: 51.337 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138401		
182	94.6	47.8	143.4	
145	30.2	14.8	44.3	

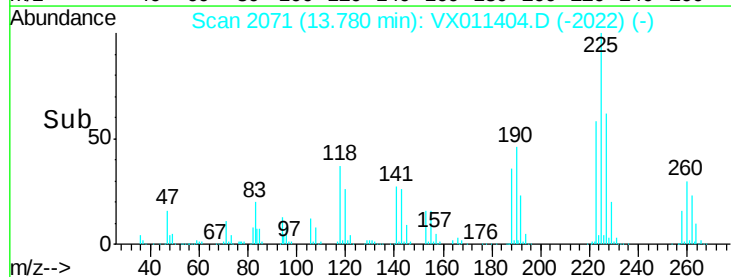
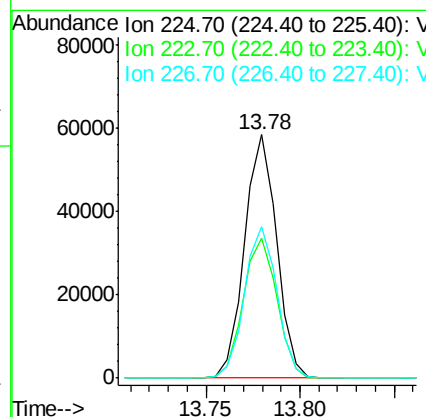
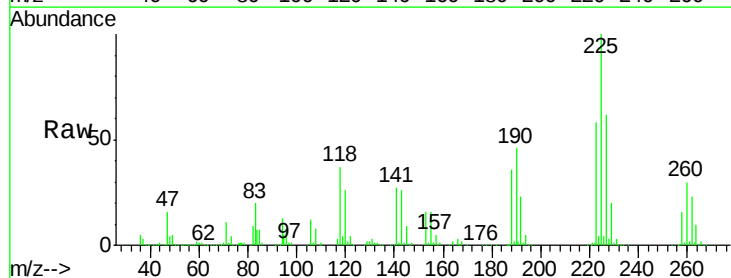
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 50.426 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68972		
223	60.4	31.0	93.0	
227	63.3	32.2	96.6	





#95

Naphthalene

Concen: 56.129 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

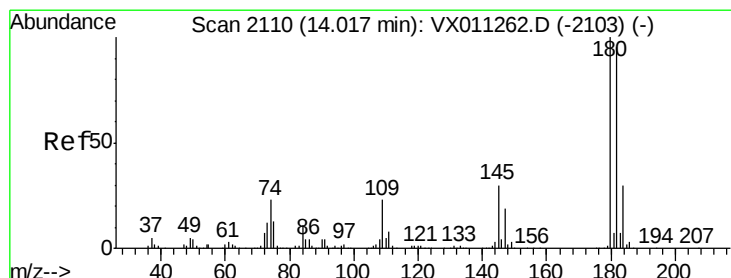
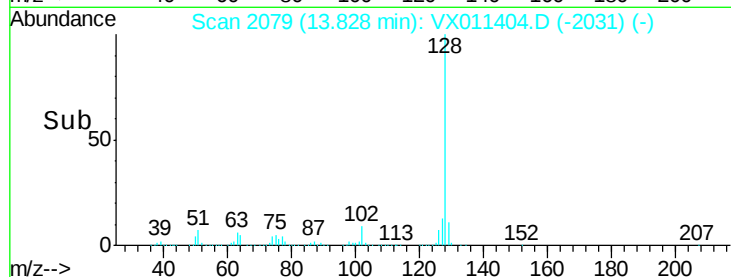
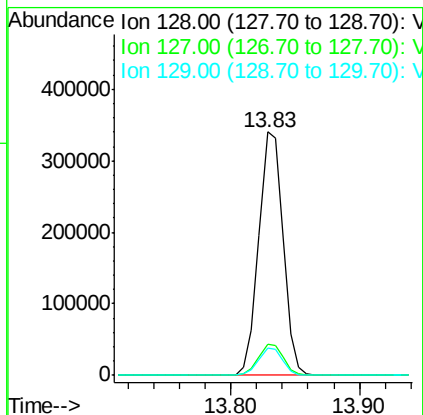
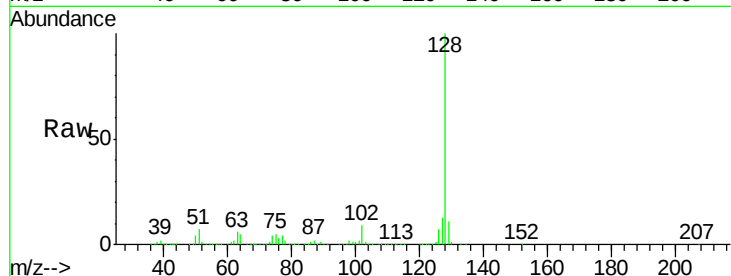
ClientSampleId :

EP1-MW-K-0819MSD

Tot Ion:	128	Resp:	442513
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 12:50:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.863 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Tgt Ion:	180	Resp:	139405
Ion Ratio		Lower	Upper
180	100		
182	94.9	47.4	142.3
145	31.2	15.2	45.6

