

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011622.D
 Acq On : 19 Aug 2019 11:24
 Operator : JC/SP
 Sample : VX0819WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Manual Integrations
 APPROVED

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 8/20/2019 3:41:16 PM

Quant Time: Aug 20 10:08:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	379132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	505634	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	453780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	239121	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	150641	42.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.70%	
35) Dibromofluoromethane	5.48	113	142072	42.96	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	85.92%	
50) Toluene-d8	8.71	98	459200	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
62) 4-Bromofluorobenzene	11.13	95	192808	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	77046	20.674	ug/l	99
3) Chloromethane	1.32	50	62797	16.224	ug/l	100
4) Vinyl Chloride	1.40	62	63818	18.252	ug/l	97
5) Bromomethane	1.63	94	32834	20.958	ug/l	97
6) Chloroethane	1.71	64	31616	19.105	ug/l	98
7) Trichlorofluoromethane	1.92	101	89967	18.577	ug/l	99
8) Diethyl Ether	2.18	74	29460	17.733	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	62504	18.685	ug/l	98
10) Methyl Iodide	2.50	142	76955	16.149	ug/l	99
11) Tert butyl alcohol	3.03	59	77466	89.809	ug/l	98
12) 1,1-Dichloroethene	2.37	96	56557	17.495	ug/l	96
13) Acrolein	2.29	56	22350	92.290	ug/l	98
14) Allyl chloride	2.72	41	96370	17.921	ug/l	99
15) Acrylonitrile	3.13	53	174936	88.613	ug/l	100
16) Acetone	2.43	43	154591	87.444	ug/l	100
17) Carbon Disulfide	2.56	76	133784	17.563	ug/l	100
18) Methyl Acetate	2.76	43	100664	18.360	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	196006	18.617	ug/l	99
20) Methylene Chloride	2.85	84	65081	17.533	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	62254	18.173	ug/l	95
22) Diisopropyl ether	3.84	45	194503	18.162	ug/l	92
23) Vinyl Acetate	3.81	43	780174	91.997	ug/l	100
24) 1,1-Dichloroethane	3.69	63	107451	17.746	ug/l	98
25) 2-Butanone	4.66	43	245988	88.631	ug/l	99
26) 2,2-Dichloropropane	4.57	77	87661	19.236	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	71970	18.022	ug/l	99
28) Bromochloromethane	5.01	49	46415	17.462	ug/l	95
29) Tetrahydrofuran	5.12	42	159831	87.790	ug/l	100
30) Chloroform	5.20	83	115284	18.041	ug/l	98
31) Cyclohexane	5.57	56	95707	18.358	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	102302	18.619	ug/l	99
36) 1,1-Dichloropropene	5.79	75	82138	19.000	ug/l	98
37) Ethyl Acetate	4.82	43	90765	18.254	ug/l	99
38) Carbon Tetrachloride	5.77	117	90881	19.081	ug/l	98

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Instrument :
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 ClientSampleID :
 VX0819WBS01

Manual Integrations
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 8/20/2019 3:41:16 PM

Quant Time: Aug 20 10:08:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	104037	19.487	ug/l	98
40) Benzene	6.13	78	250361	18.636	ug/l	98
41) Methacrylonitrile	5.03	41	52298	19.110	ug/l	98
42) 1,2-Dichloroethane	6.18	62	90668	19.479	ug/l	98
43) Isopropyl Acetate	6.43	43	142889	18.414	ug/l	100
44) Trichloroethene	7.21	130	76968	19.313	ug/l	97
45) 1,2-Dichloropropane	7.51	63	63566	18.972	ug/l	97
46) Dibromomethane	7.65	93	45262	18.590	ug/l	99
47) Bromodichloromethane	7.89	83	83544	18.688	ug/l	99
48) Methyl methacrylate	7.76	41	72915	18.974	ug/l	98
49) 1,4-Dioxane	7.73	88	37616	368.022	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	480061	94.514	ug/l	99
52) Toluene	8.78	92	162517	18.988	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	89000	19.183	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	99228	19.543	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	68586	18.844	ug/l	97
56) Ethyl methacrylate	9.17	69	98604	18.640	ug/l	100
57) 1,3-Dichloropropane	9.37	76	109072	18.852	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	263806	100.084	ug/l	98
59) 2-Hexanone	9.49	43	364101	92.957	ug/l	99
60) Dibromochloromethane	9.58	129	73927	19.495	ug/l	99
61) 1,2-Dibromoethane	9.67	107	73458	18.911	ug/l	99
64) Tetrachloroethene	9.33	164	75935	20.395	ug/l	96
65) Chlorobenzene	10.13	112	185658	19.182	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	70576	19.509	ug/l	98
67) Ethyl Benzene	10.25	91	312292	19.334	ug/l	98
68) m/p-Xylenes	10.35	106	245382	39.576	ug/l	99
69) o-Xylene	10.69	106	118341	19.485	ug/l	98
70) Styrene	10.71	104	196478	19.217	ug/l	99
71) Bromoform	10.85	173	57682	18.620	ug/l #	100
73) Isopropylbenzene	11.02	105	319820	20.612	ug/l	99
74) N-amyl acetate	10.90	43	119668	18.148	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	101621	19.039	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	90312m	19.918	ug/l	
77) Bromobenzene	11.25	156	93606	20.277	ug/l	99
78) n-propylbenzene	11.35	91	347242	20.754	ug/l	99
79) 2-Chlorotoluene	11.42	91	210851	20.523	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	265308	20.355	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	28159	19.800	ug/l	94
82) 4-Chlorotoluene	11.51	91	239028	20.054	ug/l	97
83) tert-Butylbenzene	11.77	119	263295	19.834	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	272592	20.832	ug/l	99
85) sec-Butylbenzene	11.94	105	296289	19.782	ug/l	99
86) p-Isopropyltoluene	12.06	119	286914	20.363	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	154199	19.433	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	156576	19.469	ug/l	99
89) n-Butylbenzene	12.38	91	239069	20.638	ug/l	100
90) Hexachloroethane	12.59	117	44601	20.045	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	159013	19.963	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	22826	18.692	ug/l	98

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

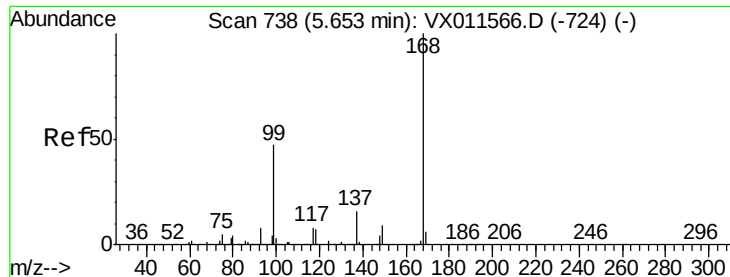
Manual Integrations
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Quant Time: Aug 20 10:08:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118947	20.042	ug/l	99
94) Hexachlorobutadiene	13.78	225	66141	20.467	ug/l	98
95) Naphthalene	13.83	128	333631	19.885	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	122049	20.389	ug/l	100

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



#1

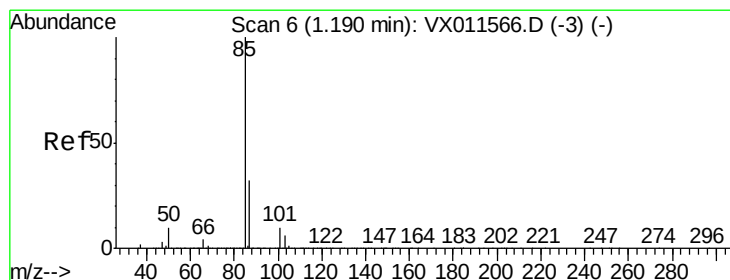
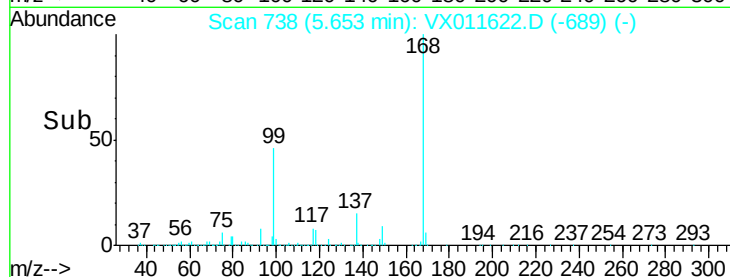
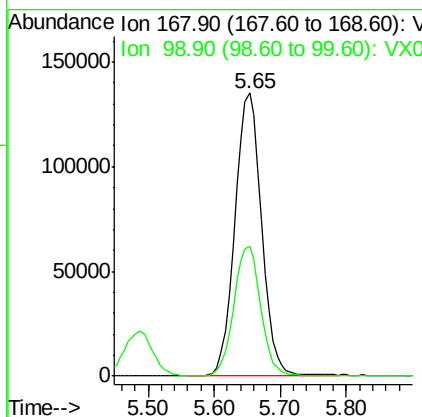
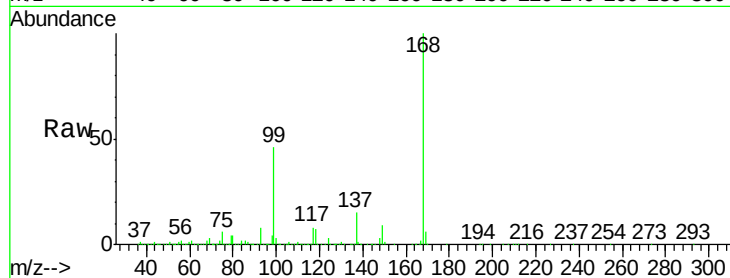
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	379132		
99	45.8	37.3	55.9	

Manual Integrations
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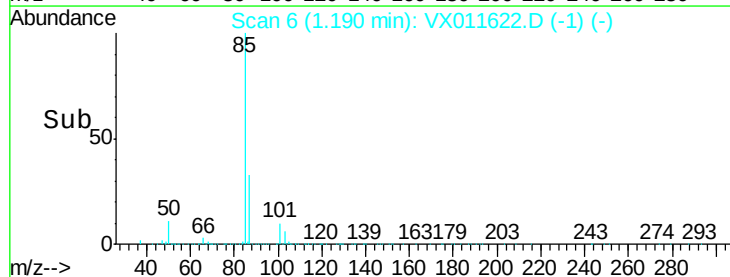
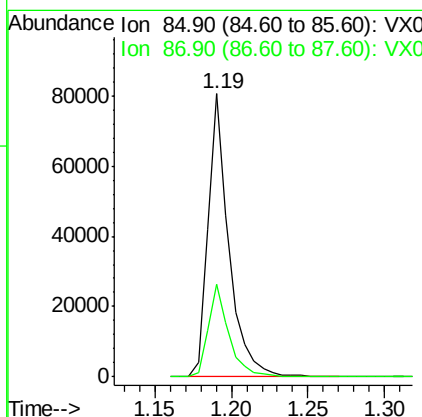
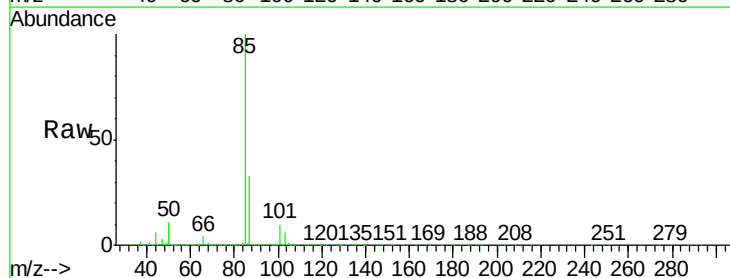
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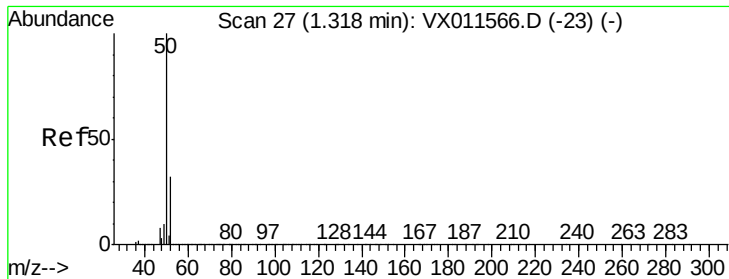


#2

Dichlorodifluoromethane
 Concen: 20.674 ug/l
 RT: 1.19 min Scan# 6
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	77046		
87	32.6	16.1	48.2	





#3

Chloromethane

Concen: 16.224 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion: 50 Resp: 62797

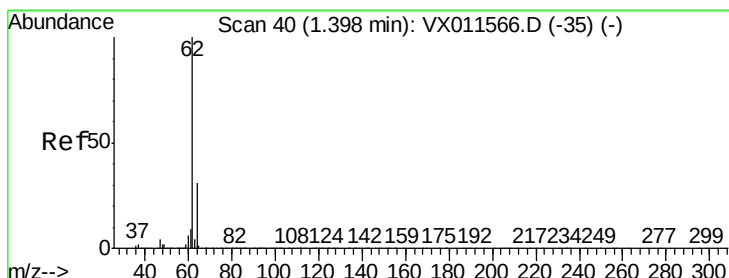
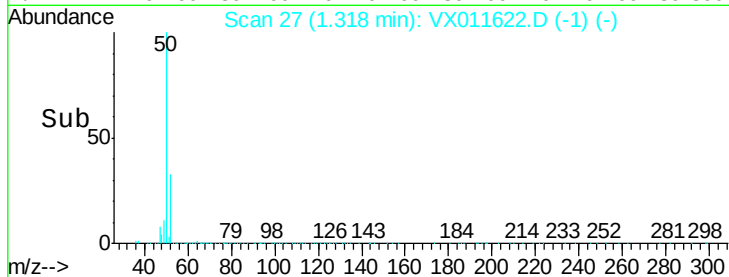
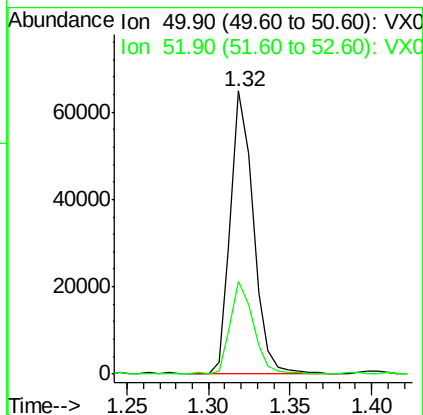
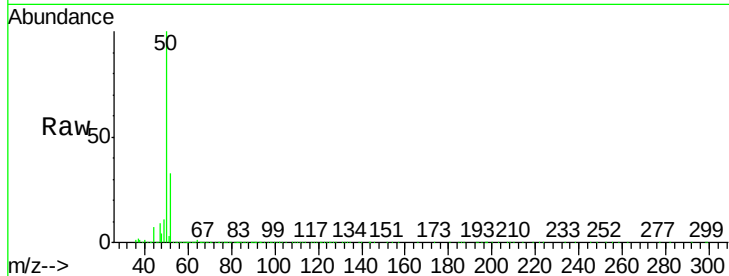
Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.252 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011622.D

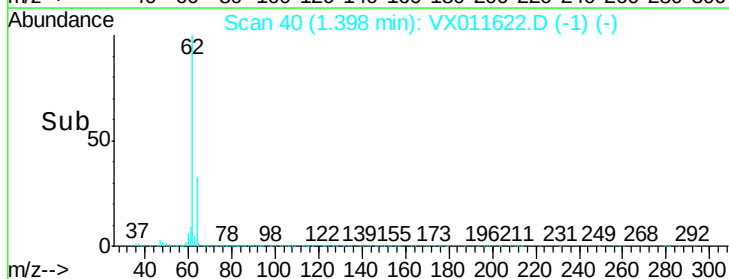
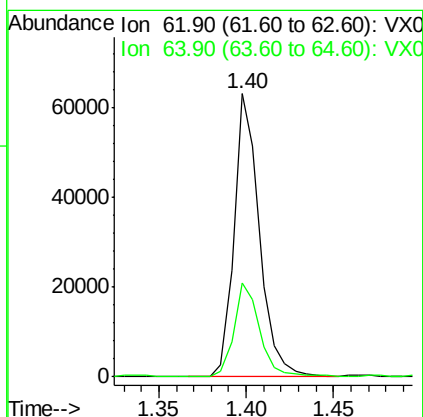
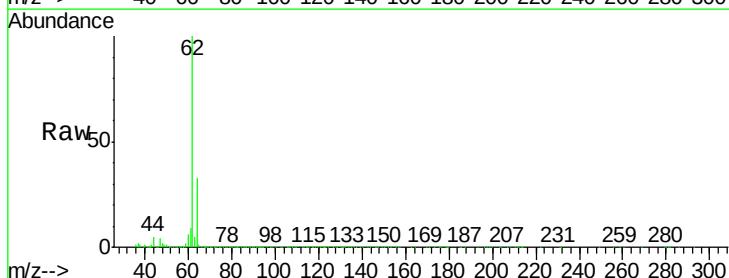
Acq: 19 Aug 2019 11:24

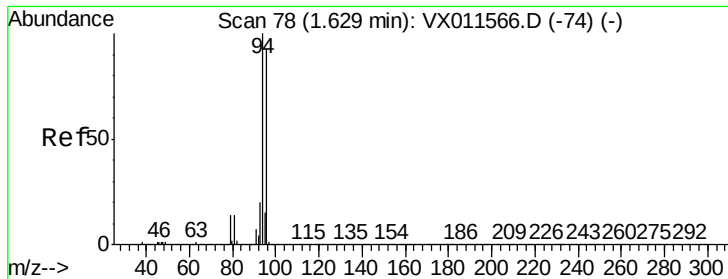
Tgt Ion: 62 Resp: 63818

Ion Ratio Lower Upper

62 100

64 32.9 25.0 37.4





#5

Bromomethane

Concen: 20.958 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion: 94 Resp: 32834

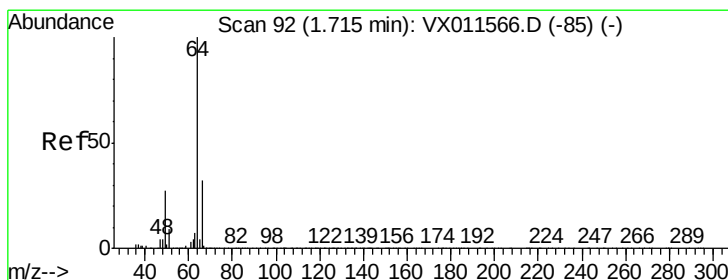
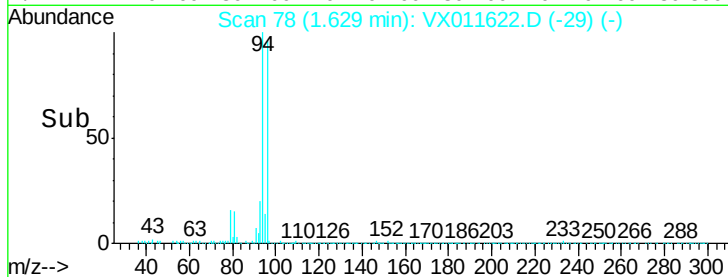
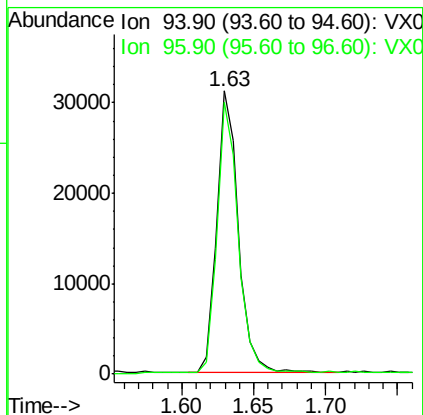
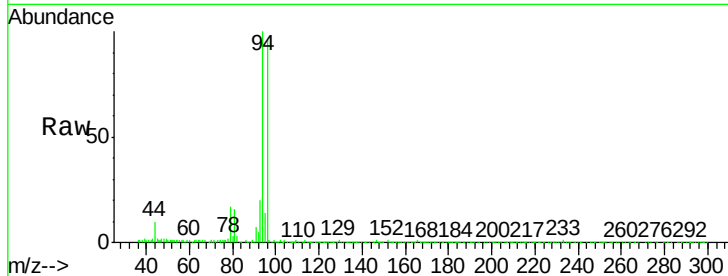
Ion Ratio Lower Upper

94 100

96 96.1 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 19.105 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011622.D

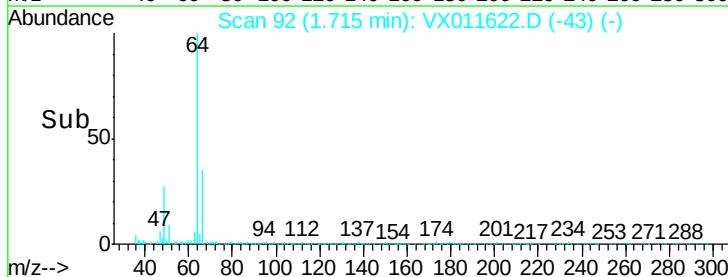
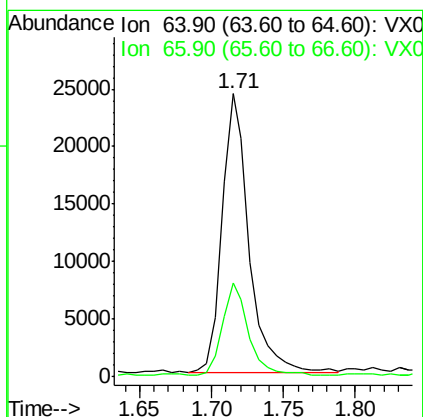
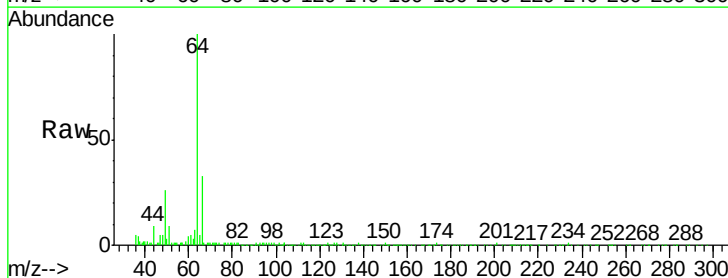
Acq: 19 Aug 2019 11:24

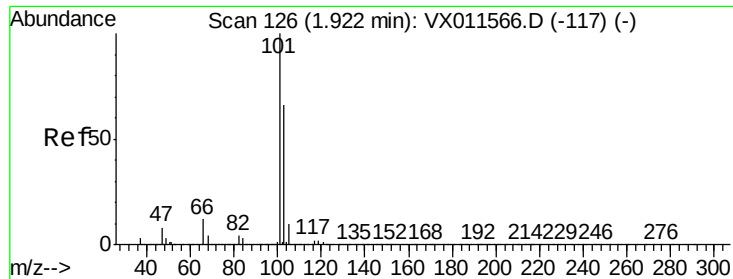
Tgt Ion: 64 Resp: 31616

Ion Ratio Lower Upper

64 100

66 32.9 25.3 37.9





#7

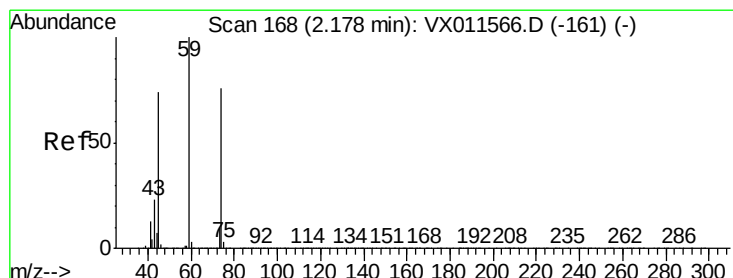
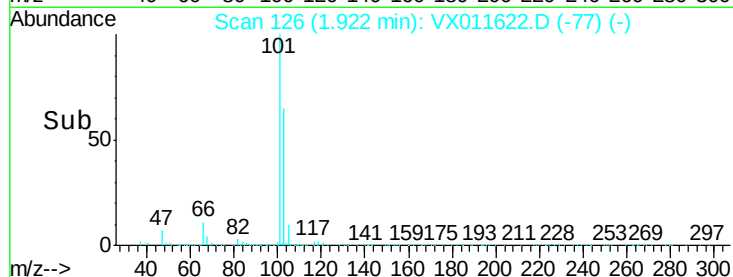
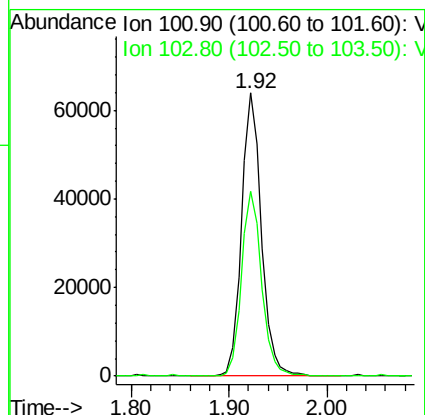
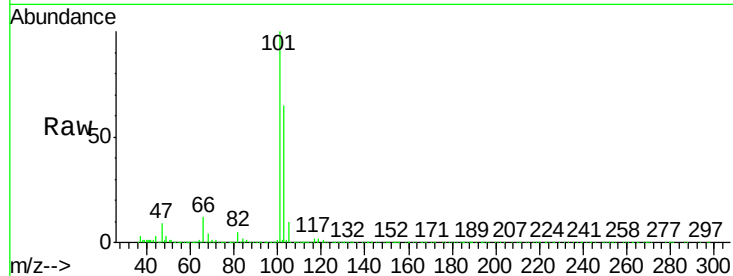
Trichlorofluoromethane
Concen: 18.577 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.9	79.3

Manual Integrations
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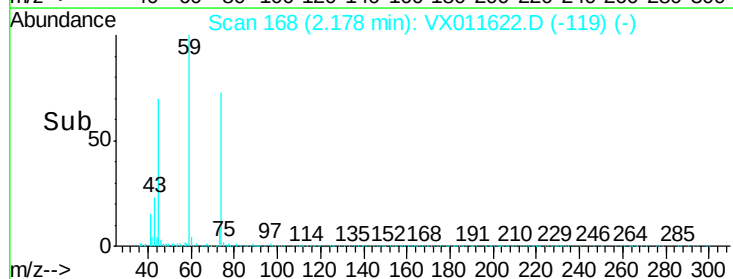
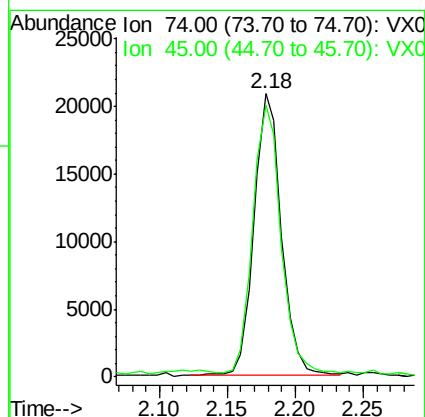
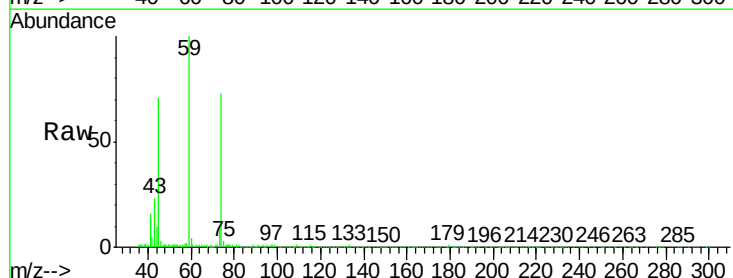
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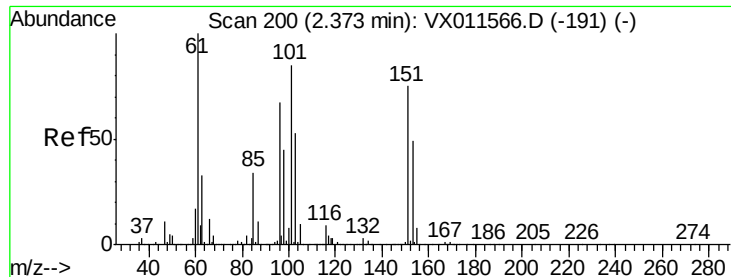


#8

Diethyl Ether
Concen: 17.733 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.685 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

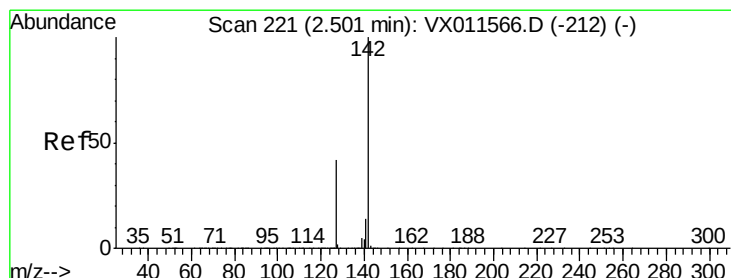
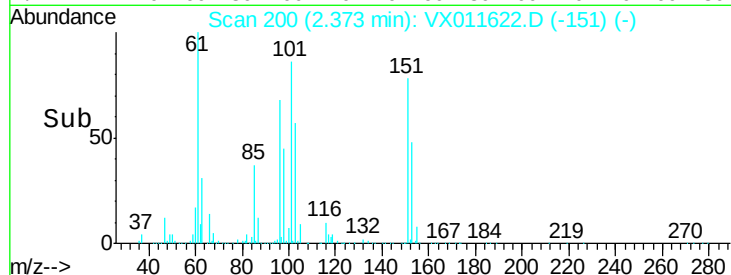
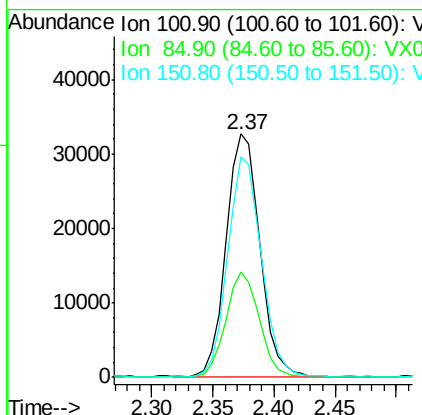
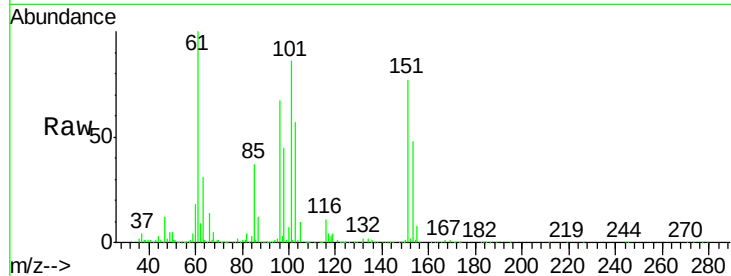
ClientSampleId :

VX0819WBS01

Tot Ion:	101	Resp:	62504
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.0	49.4
151	90.9	73.3	109.9

Manual Integrations
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#10

Methyl Iodide

Concen: 16.149 ug/l

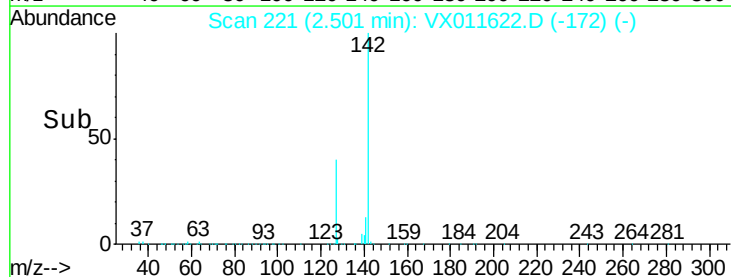
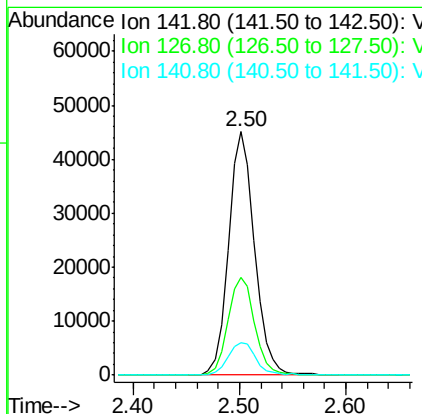
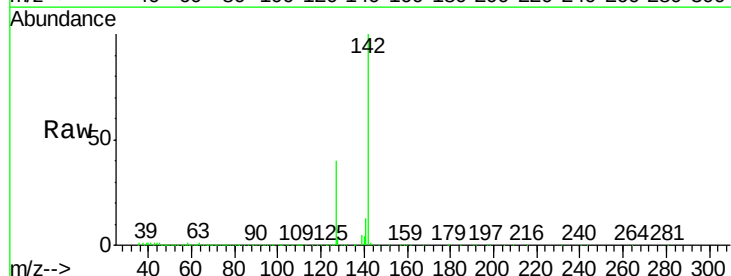
RT: 2.50 min Scan# 221

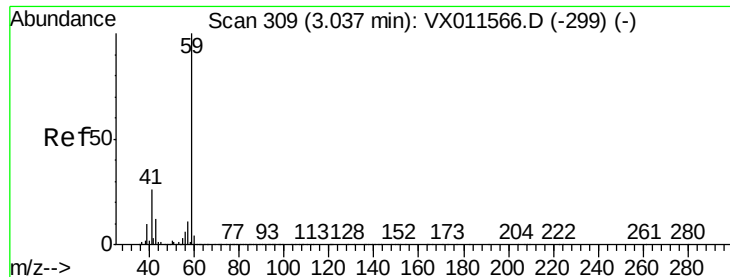
Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	142	Resp:	76955
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.8	49.2
141	14.4	11.4	17.2





#11

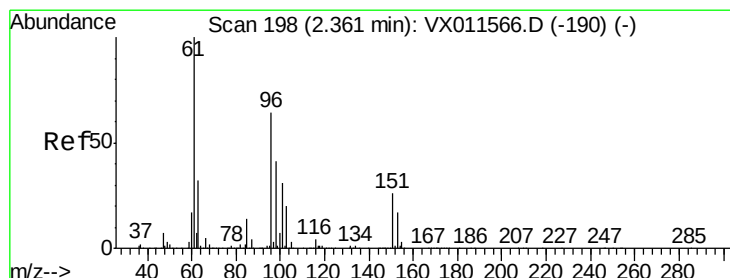
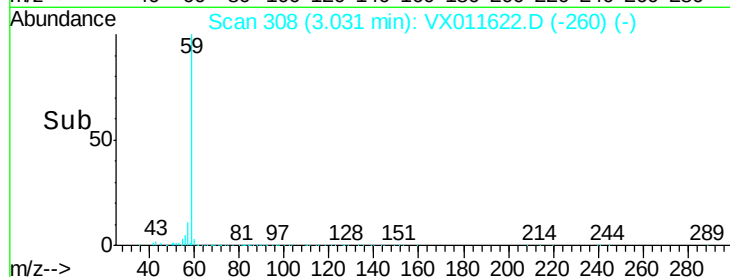
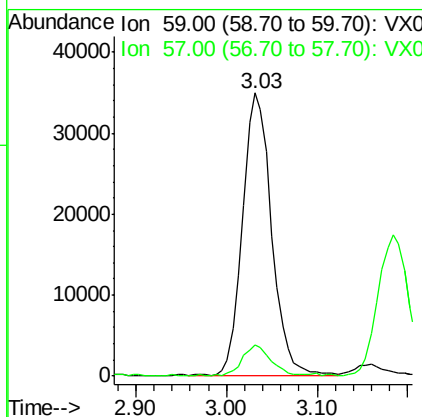
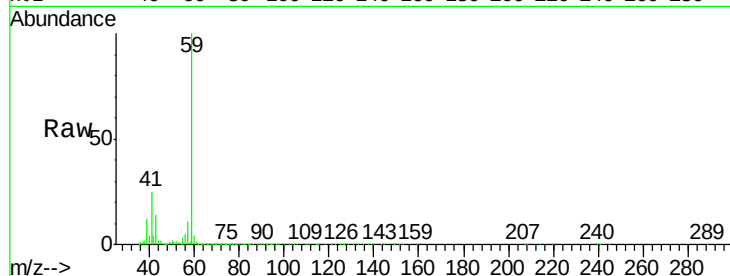
Tert butyl alcohol
Concen: 89.809 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.7	13.1

Manual Integrations
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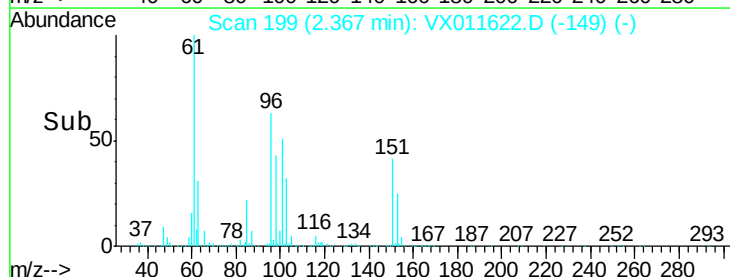
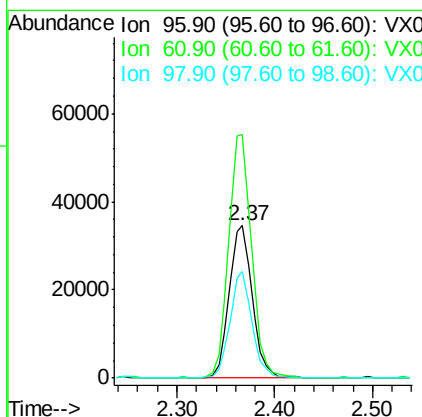
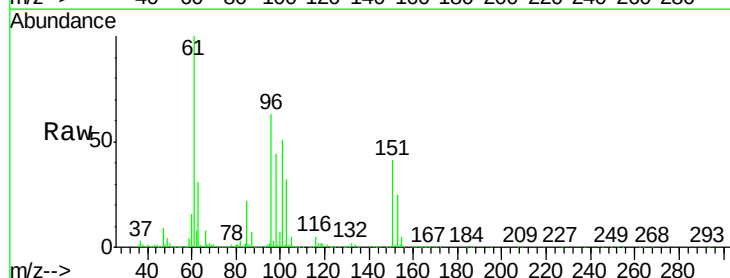
MMDadoda
8/20/2019 3:41:16 PM

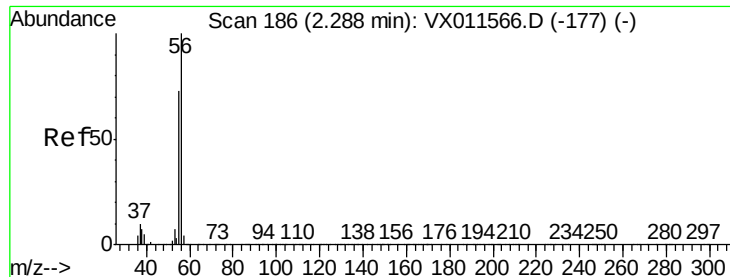


#12

1,1-Dichloroethene
Concen: 17.495 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	125.0	187.4
98	69.3	51.5	77.3





#13

Acrolein

Concen: 92.290 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion: 56 Resp: 22350

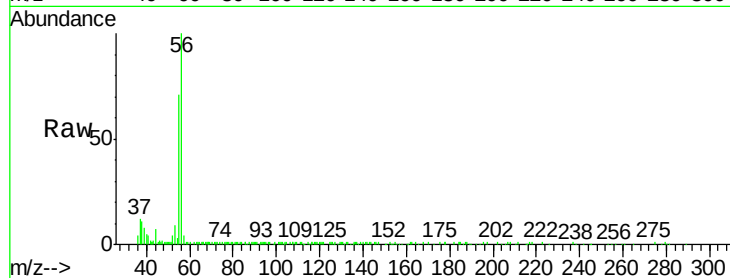
Ion Ratio Lower Upper

56 100

55 70.9 55.5 83.3

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

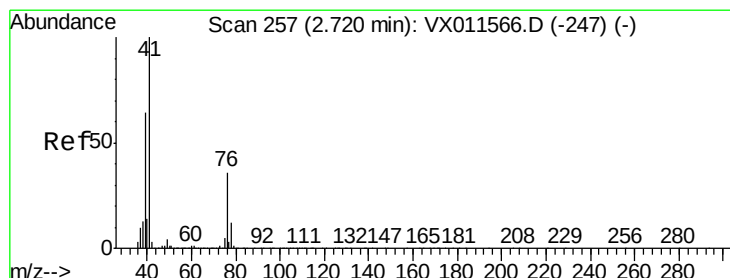
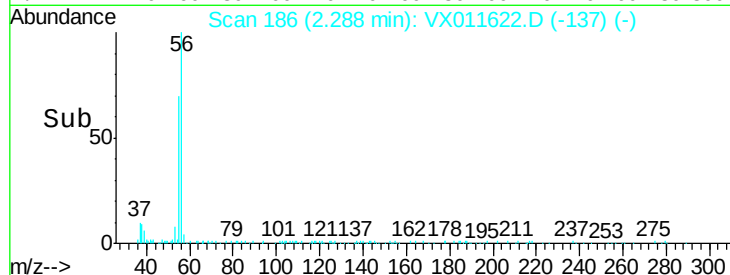
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 17.921 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

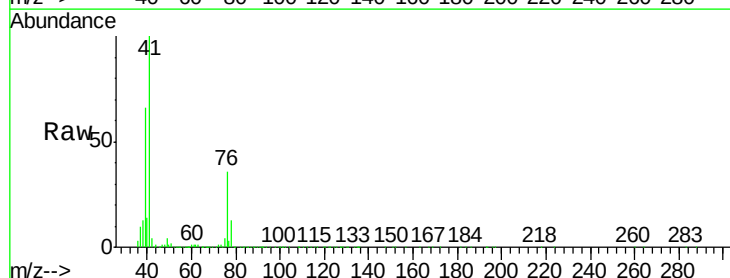
Tgt Ion: 41 Resp: 96370

Ion Ratio Lower Upper

41 100

39 60.3 47.5 71.3

76 32.6 26.3 39.5



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

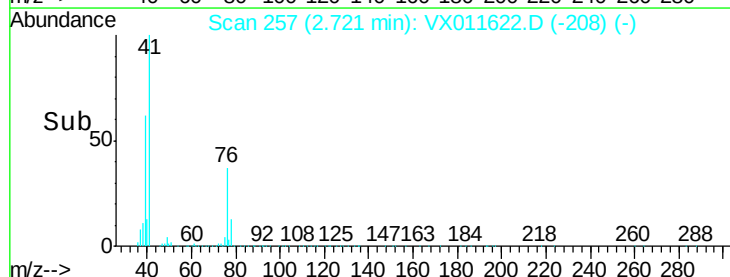
60000

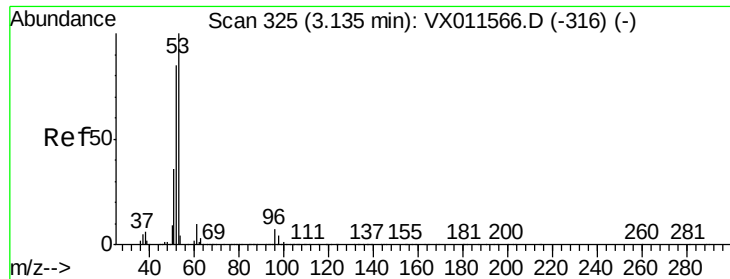
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 88.613 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

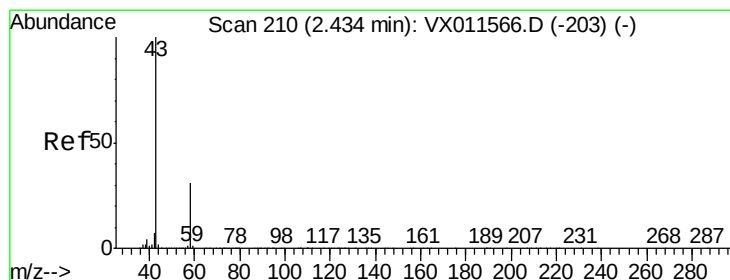
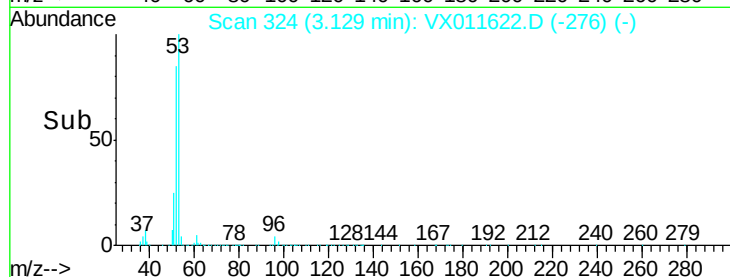
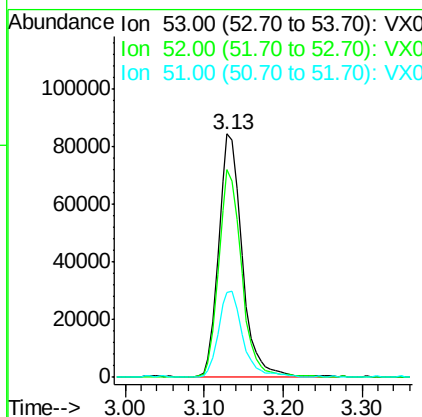
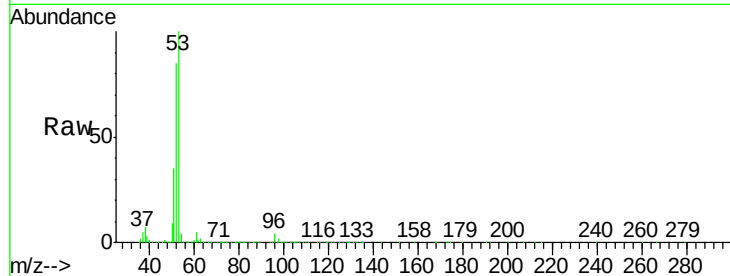
ClientSampleId :

VX0819WBS01

Tot Ion:	53	Resp:	174936
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.7	100.1
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 87.444 ug/l

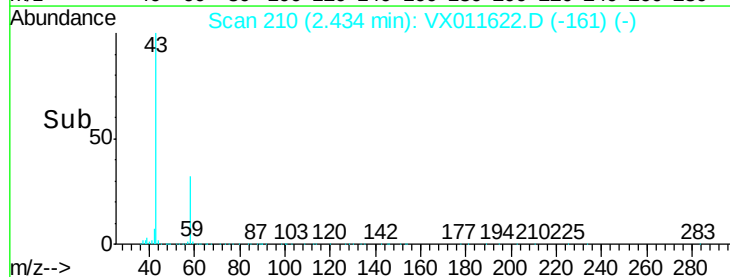
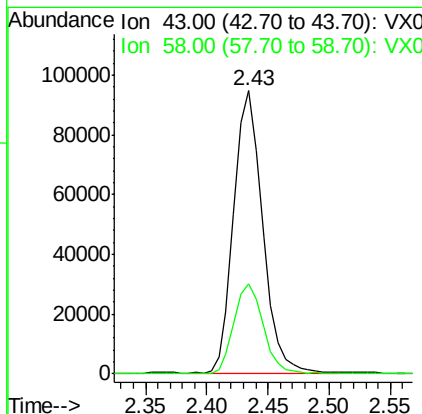
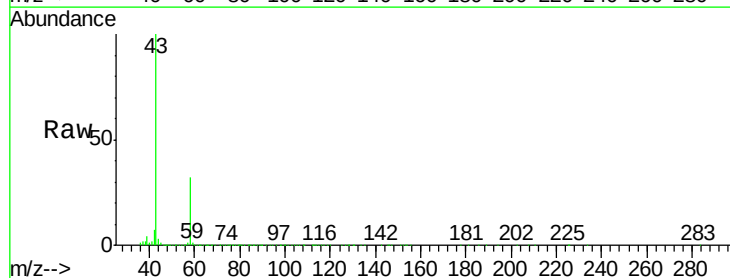
RT: 2.43 min Scan# 210

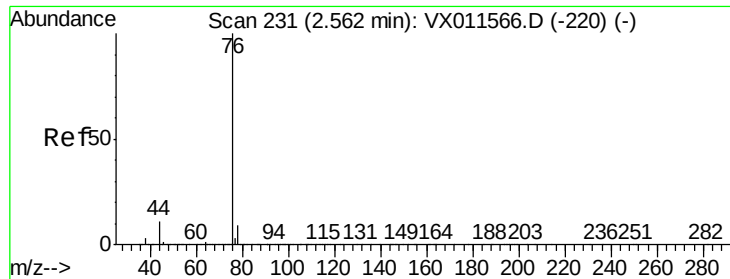
Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	43	Resp:	154591
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.2	37.8





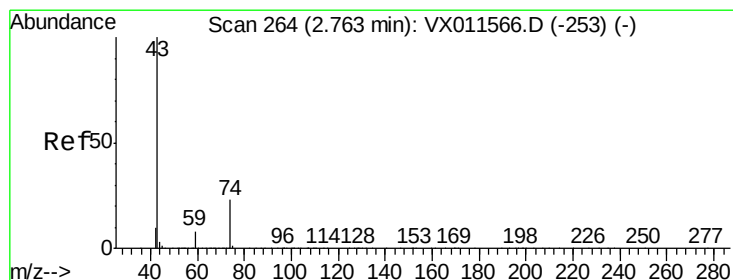
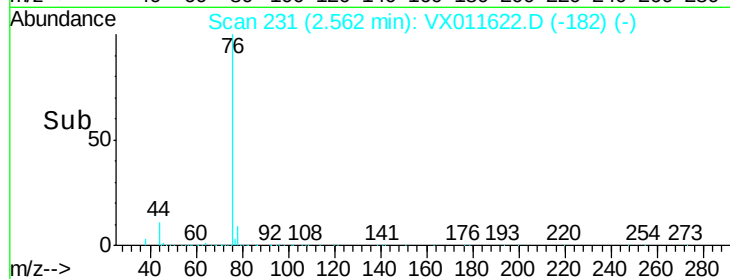
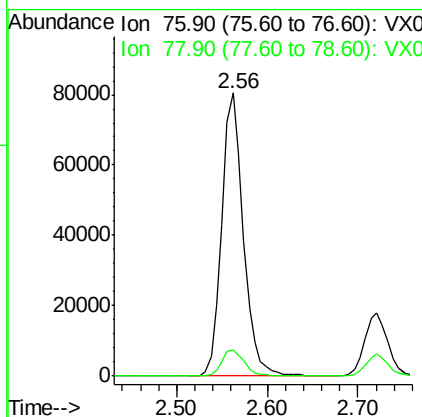
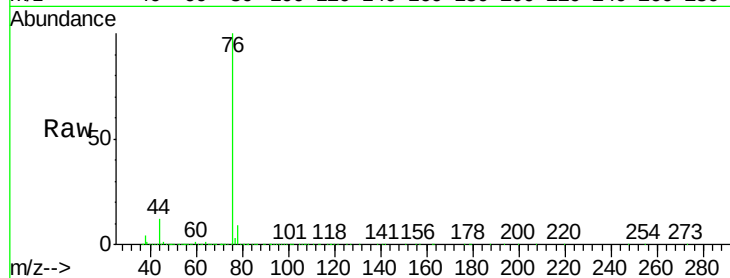
#17
Carbon Disulfide
Concen: 17.563 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

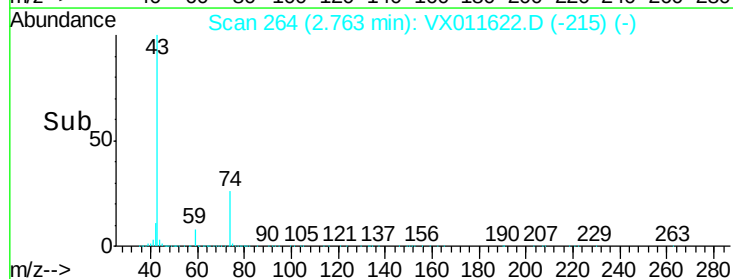
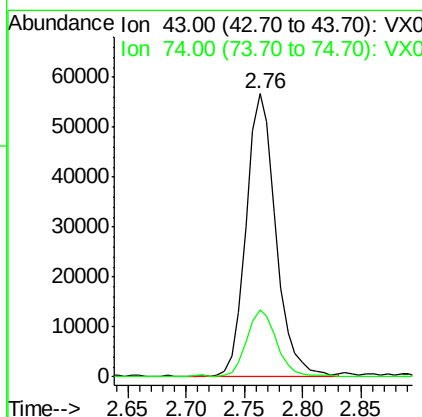
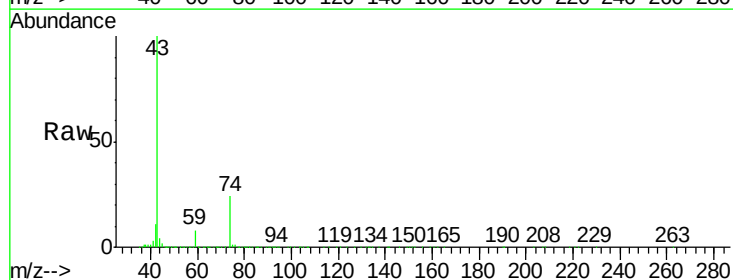
Manual Integrations
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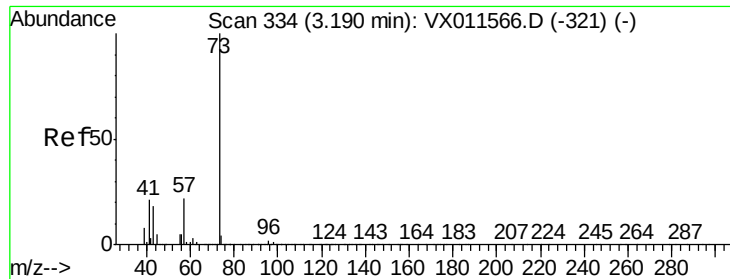
MMDadoda
8/20/2019 3:41:16 PM



#18
Methyl Acetate
Concen: 18.360 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.7	29.5





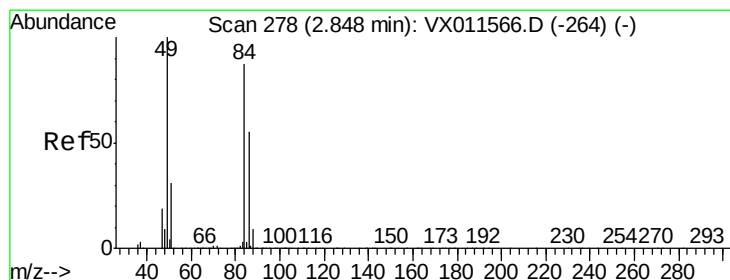
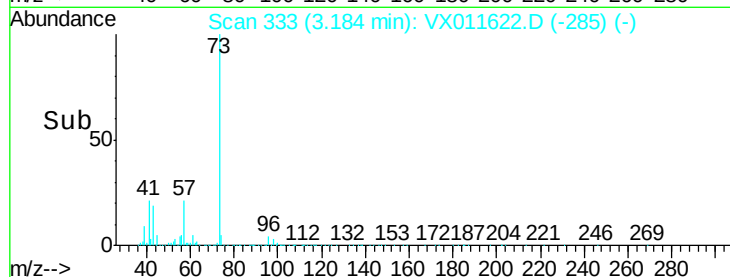
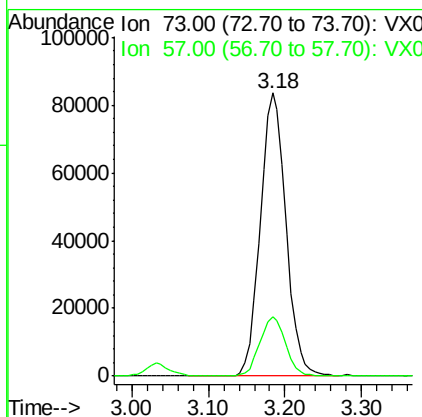
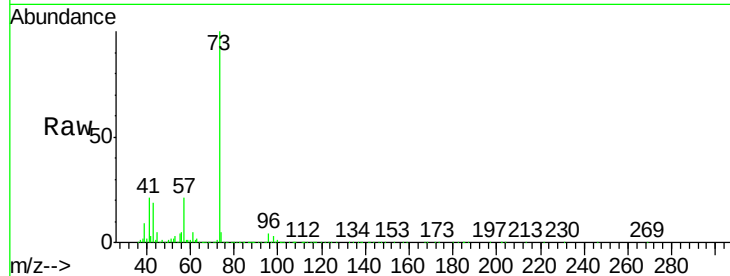
#19
Methyl tert-butyl Ether
Concen: 18.617 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.2	25.8

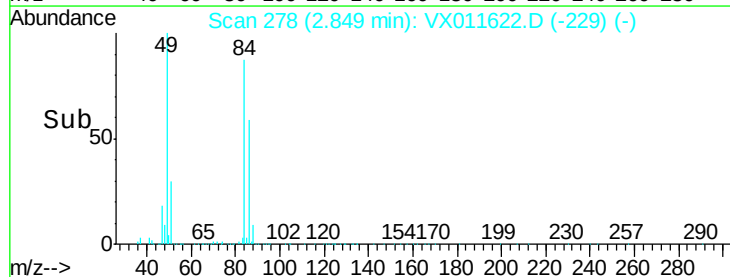
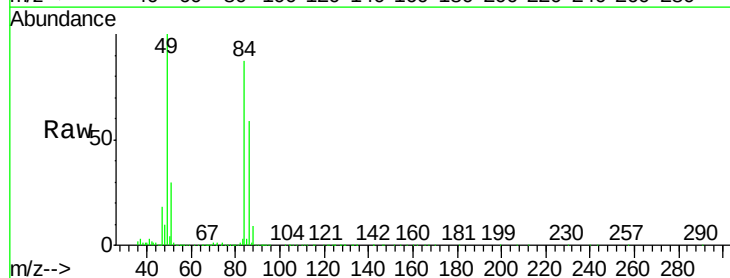
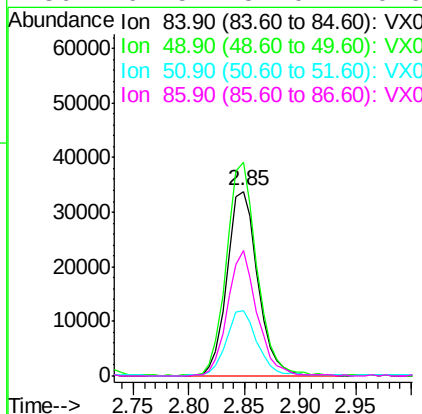
Manual Integrations
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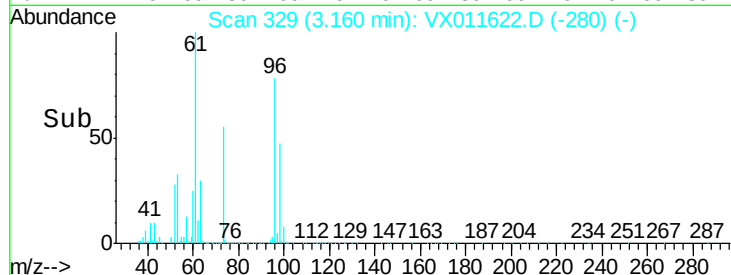
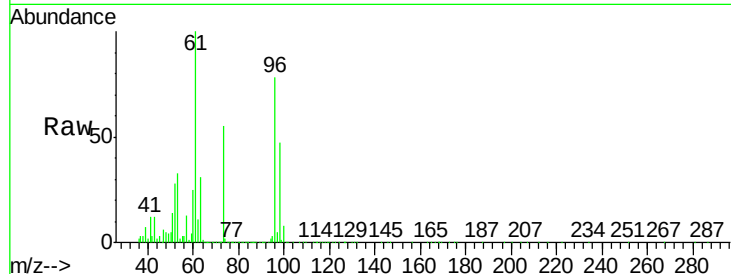
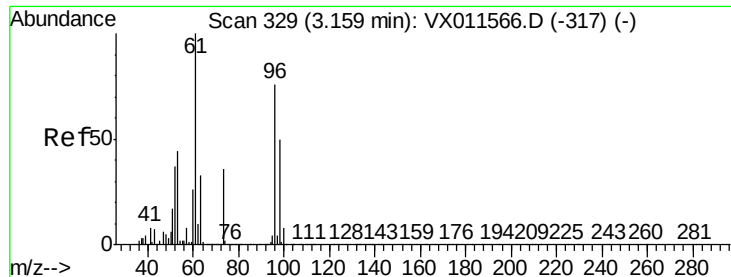
MMDadoda
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#20
Methylene Chloride
Concen: 17.533 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	92.4	138.6
51	34.5	28.5	42.7
86	67.5	51.0	76.6





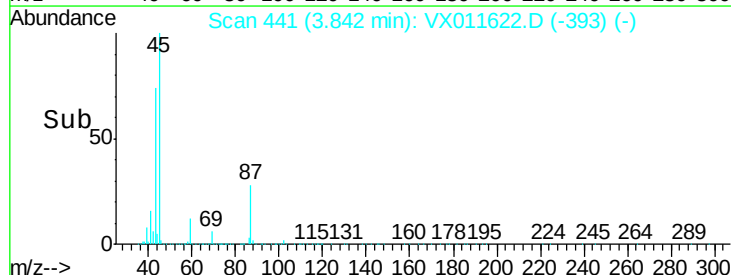
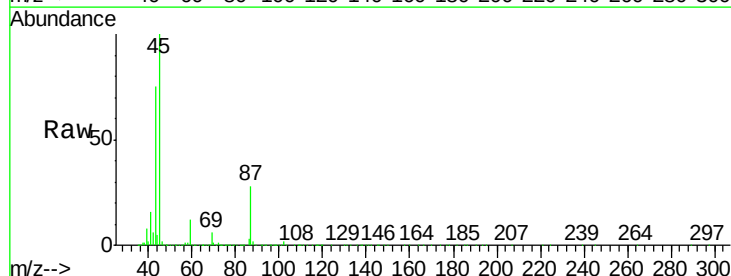
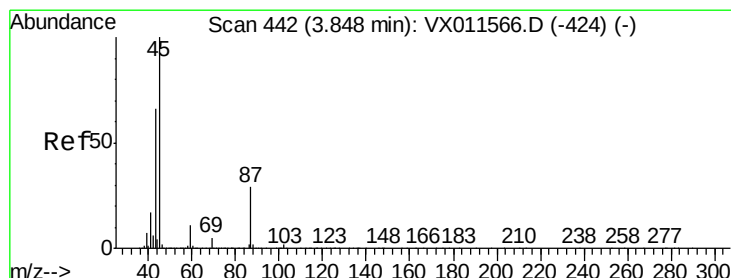
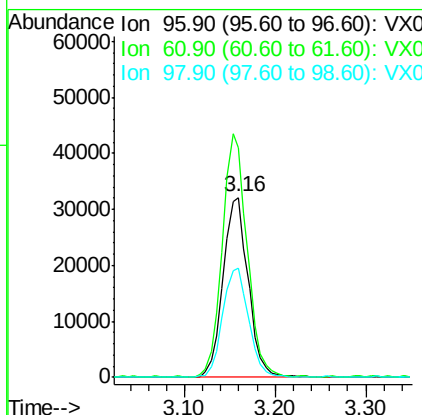
#21
trans-1,2-Dichloroethene
Concen: 18.173 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	105.5	158.3
98	60.5	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

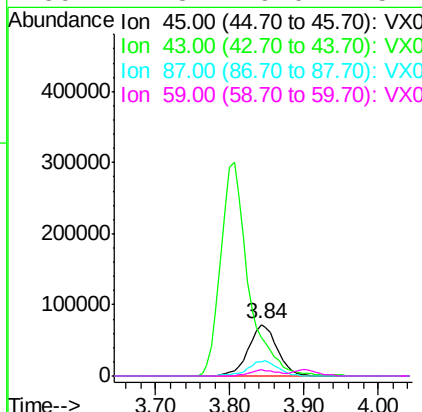
Manual Integrations
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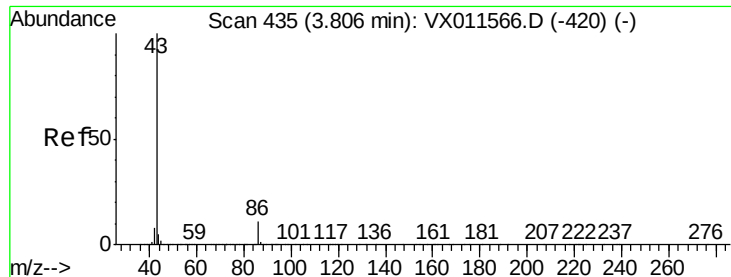
MMDadoda
8/20/2019 3:41:16 PM



#22
Diisopropyl ether
Concen: 18.162 ug/l
RT: 3.84 min Scan# 441
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.5	52.7	79.1
87	27.7	23.5	35.3
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 91.997 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion: 43 Resp: 780174

Ion Ratio Lower Upper

43 100

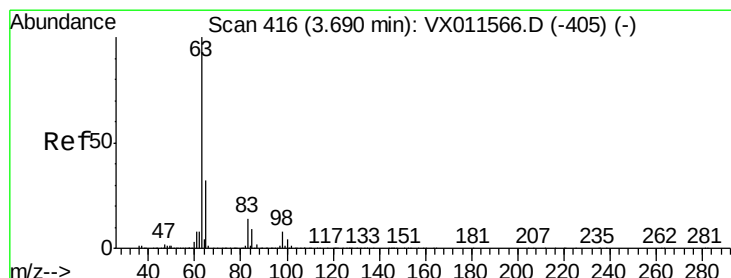
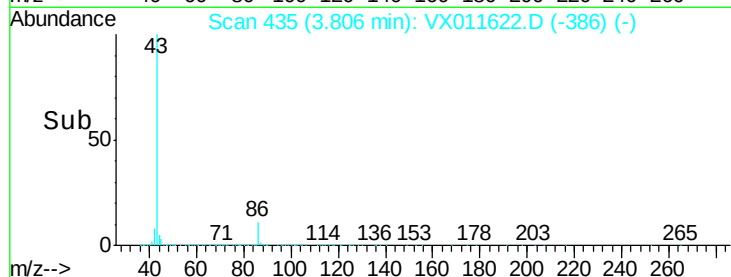
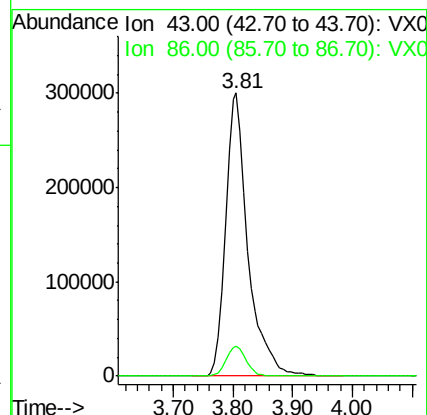
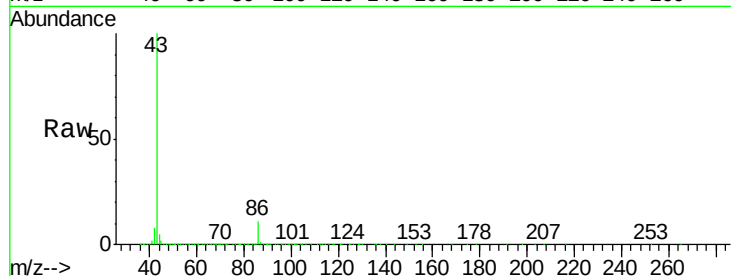
86 10.7 8.6 13.0

Manual Integrations

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8/20/2019 3:41:16 PM



#24

1,1-Dichloroethane

Concen: 17.746 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

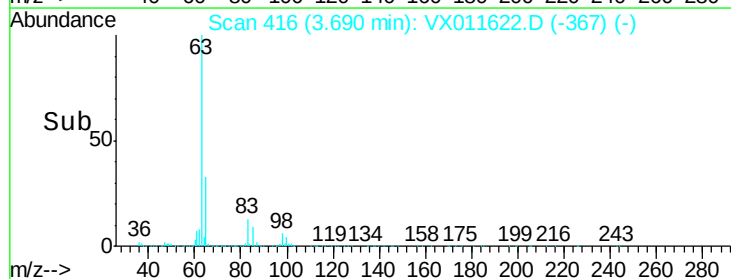
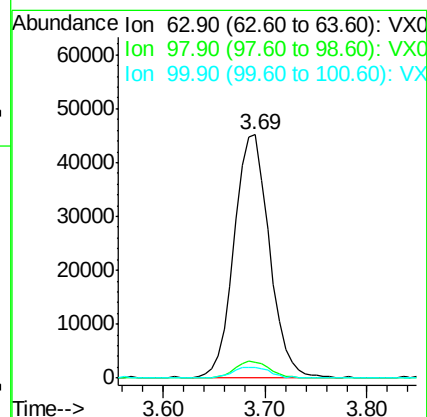
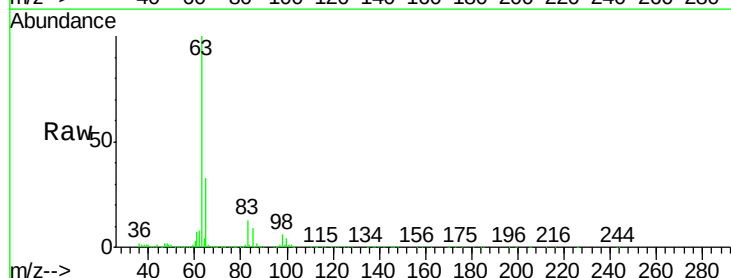
Tgt Ion: 63 Resp: 107451

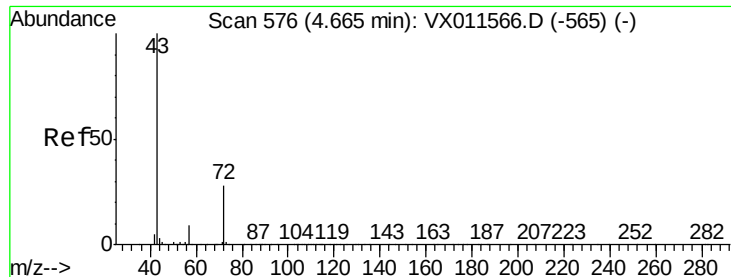
Ion Ratio Lower Upper

63 100

98 6.3 3.7 11.1

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 88.631 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011622.D

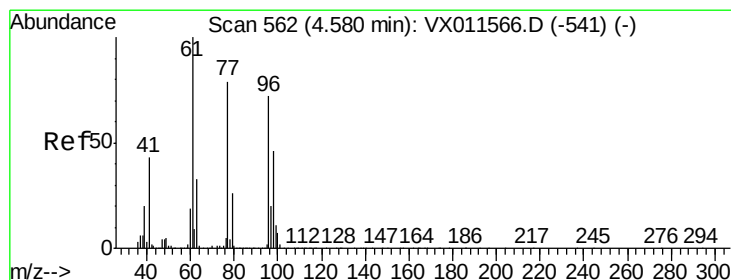
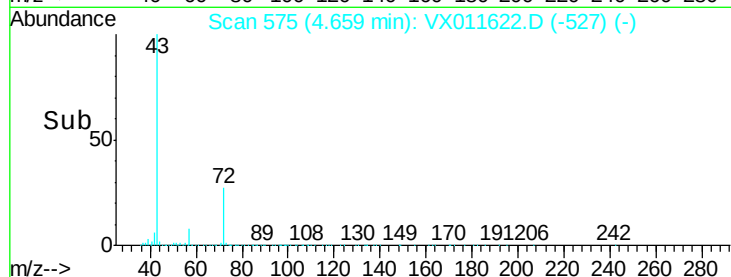
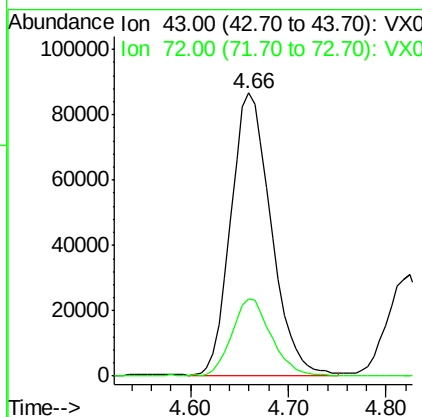
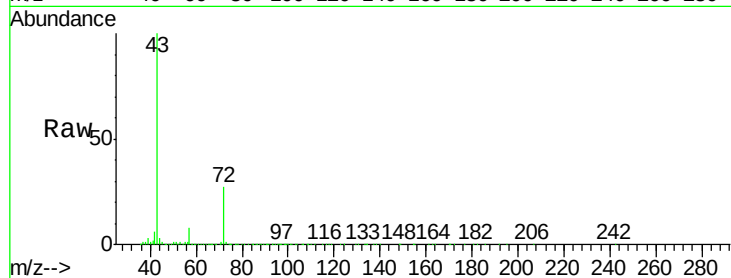
Acq: 19 Aug 2019 11:24

Tot Ion:	43	Resp:	245988
Ion Ratio		Lower	Upper
43	100		
72	27.2	22.2	33.4

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.236 ug/l

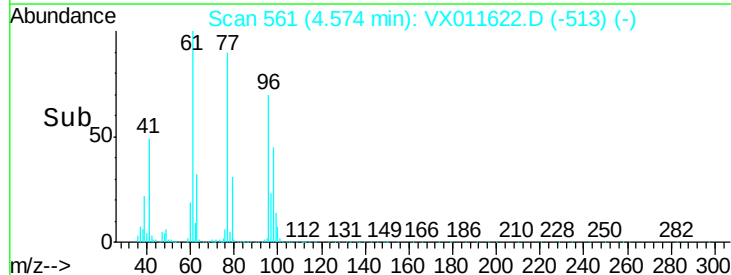
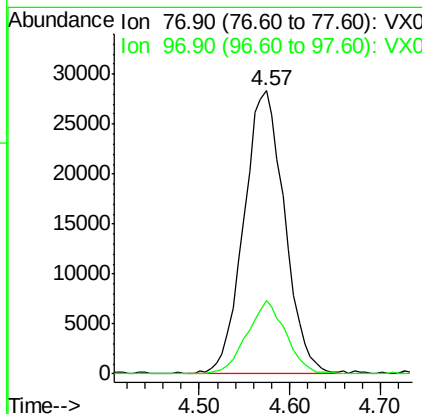
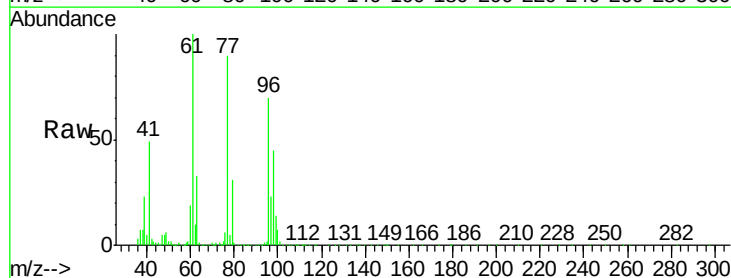
RT: 4.57 min Scan# 561

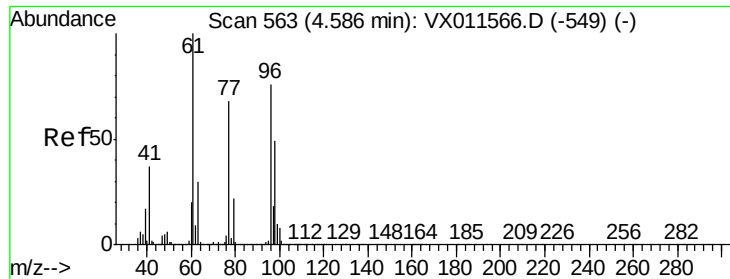
Delta R.T. -0.01 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	77	Resp:	87661
Ion Ratio		Lower	Upper
77	100		
97	24.8	12.4	37.2





#27

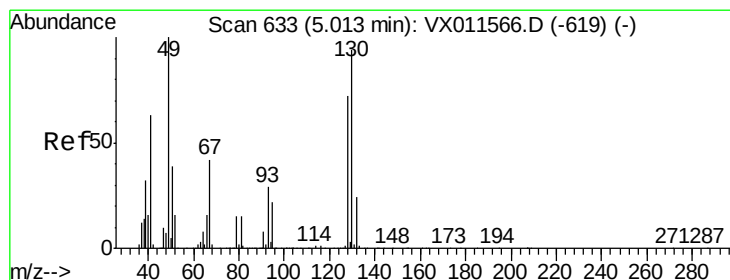
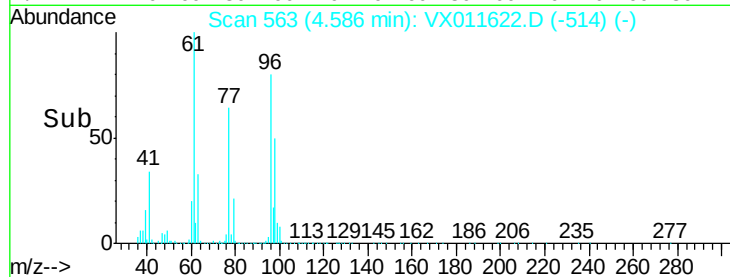
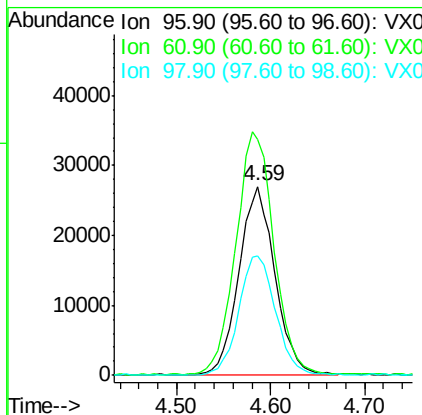
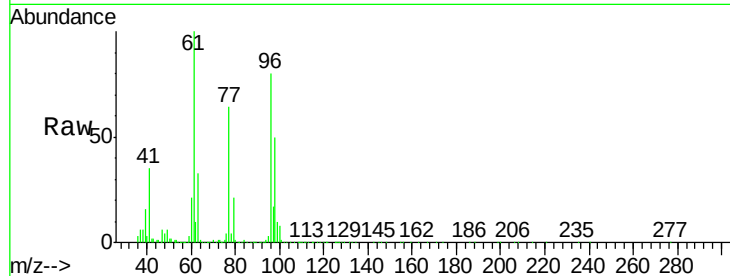
cis-1,2-Dichloroethene
Concen: 18.022 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	71970		
61	135.8		0.0	272.6
98	65.4		0.0	129.4

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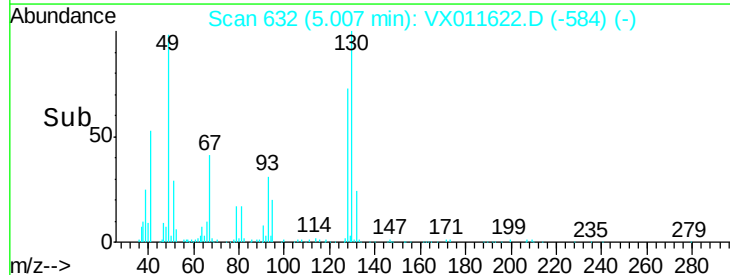
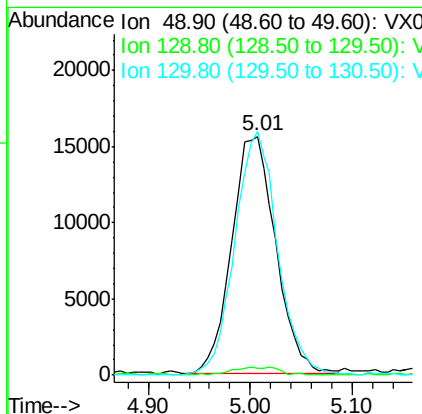
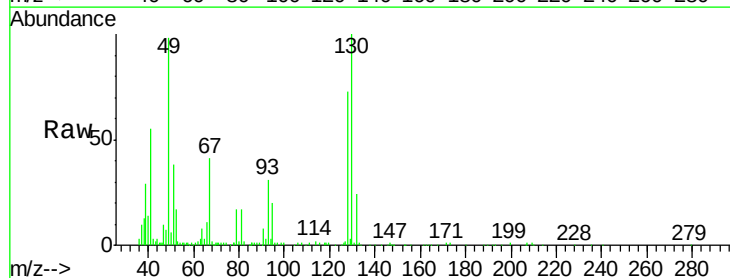
MMDadoda
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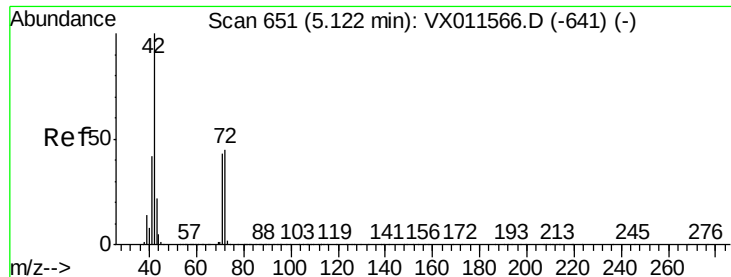


#28

Bromochloromethane
Concen: 17.462 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46415		
129	3.6		0.0	5.0
130	100.7		76.6	115.0





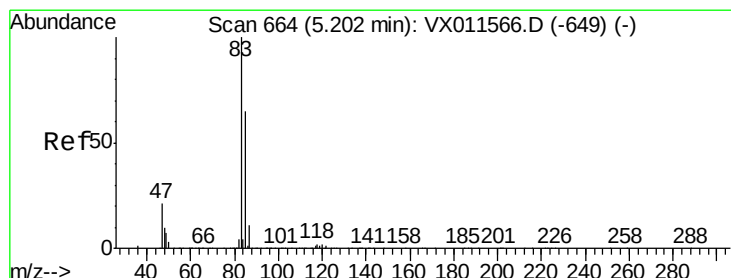
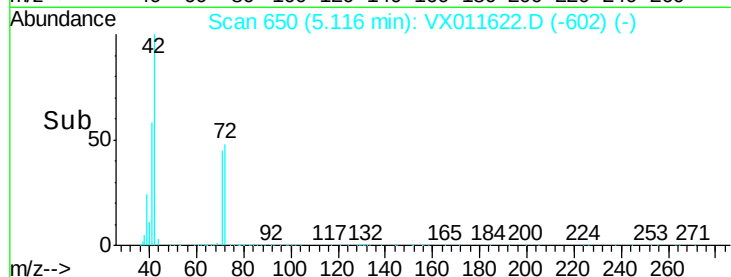
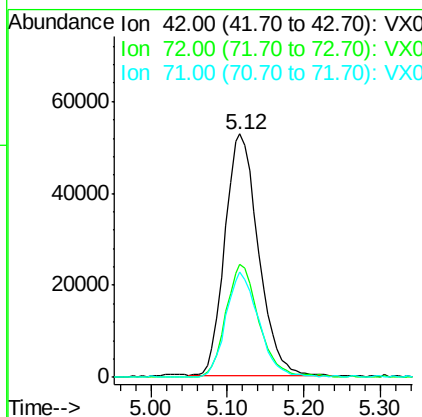
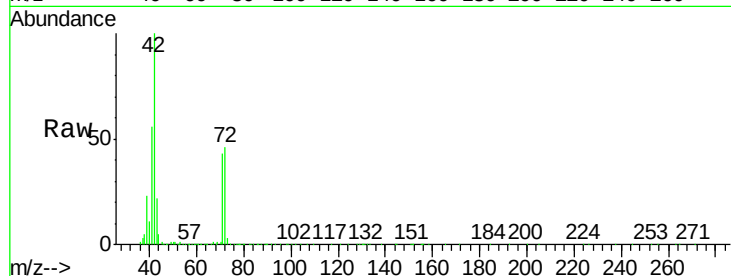
#29
Tetrahydrofuran
Concen: 87.790 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	159831		
72	45.4		36.1	54.1
71	42.5		33.8	50.8

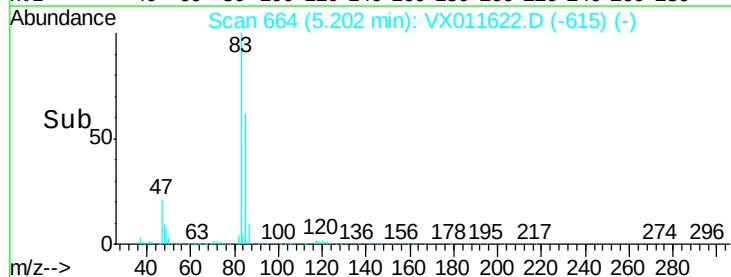
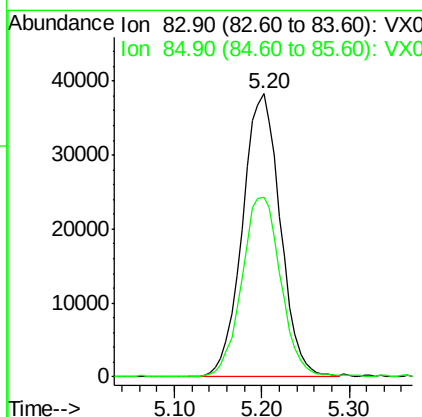
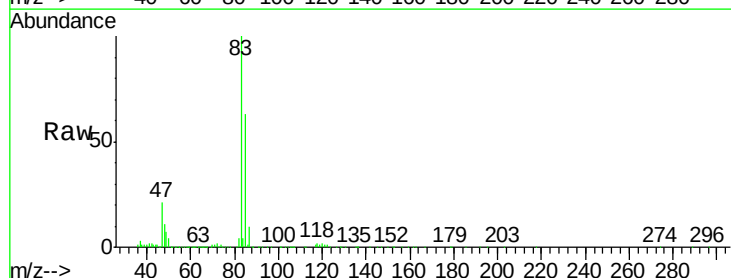
Manual Integrations
APPROVED

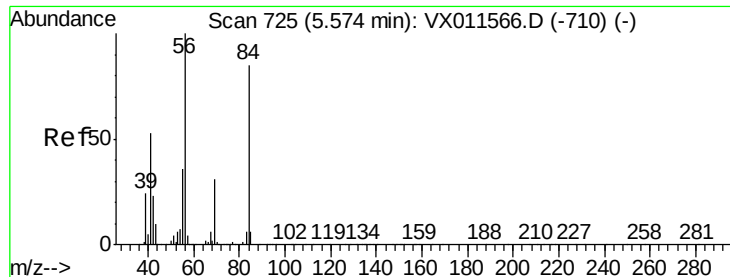
MMDadoda
8/20/2019 3:41:16 PM



#30
Chloroform
Concen: 18.041 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	115284		
85	63.1		51.9	77.9





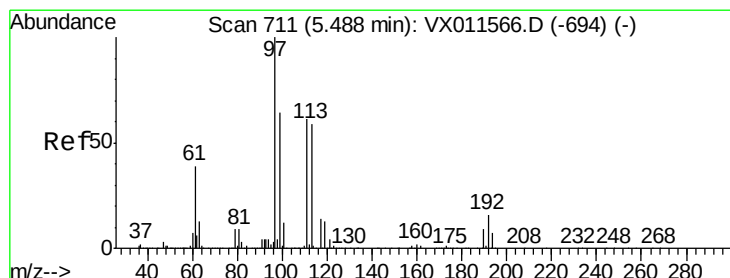
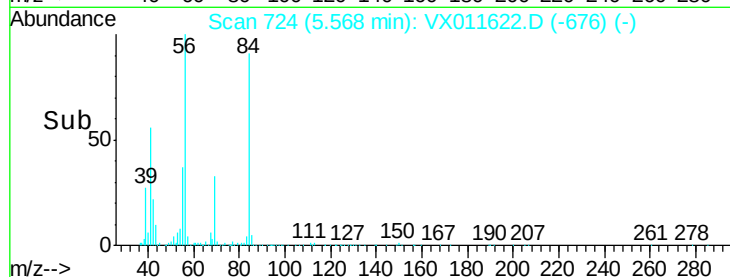
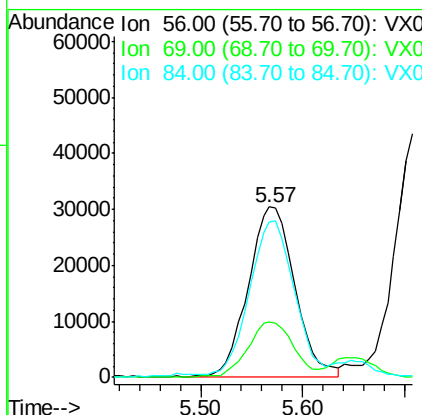
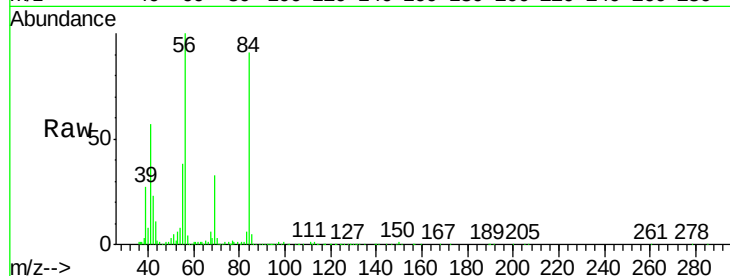
#31
Cvclohexane
Concen: 18.358 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.8	37.2
84	89.7	67.9	101.9

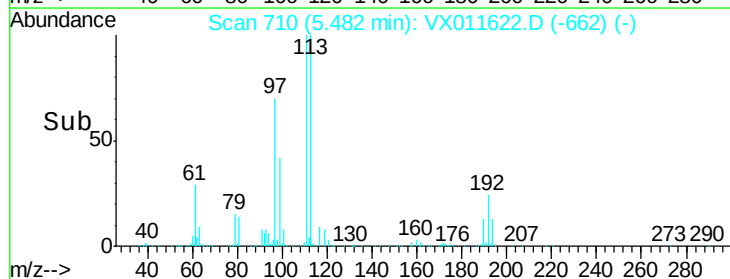
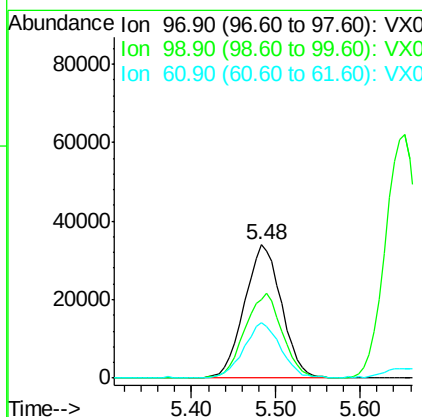
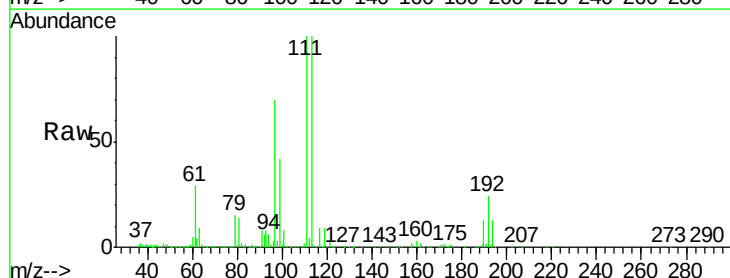
Manual Integrations
APPROVED

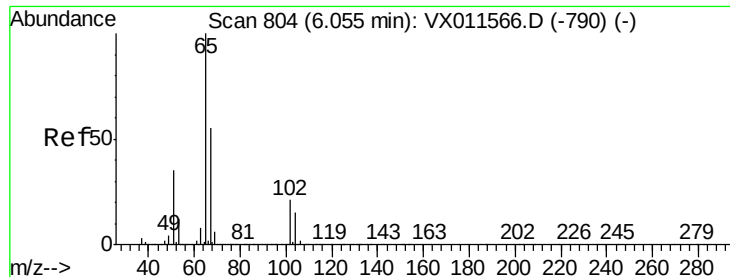
MMDadoda
8/20/2019 3:41:16 PM



#32
1,1,1-Trichloroethane
Concen: 18.619 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	40.1	31.4	47.2





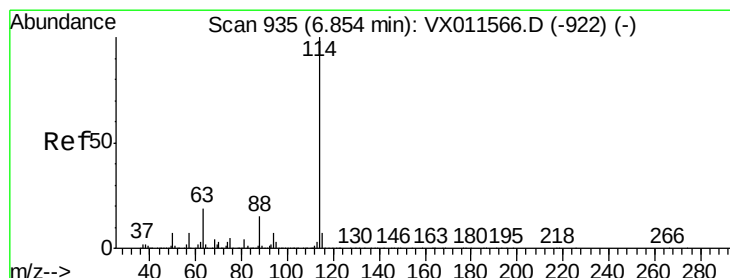
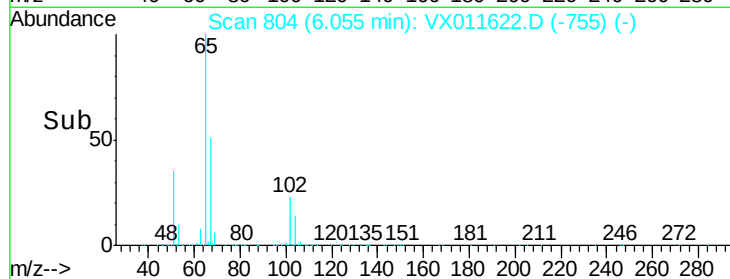
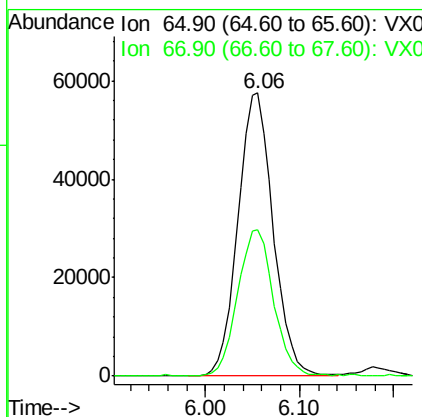
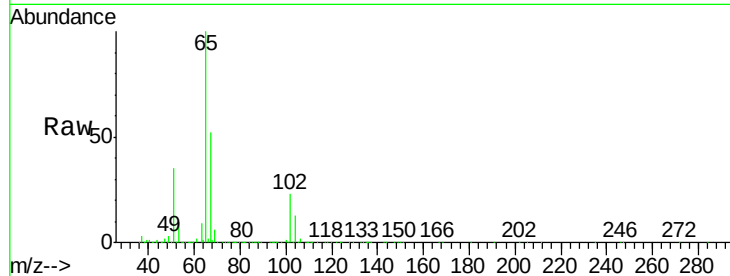
#33
 1,2-Dichloroethane-d4
 Concen: 42.845 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	150641		
67	52.2	0.0	107.6	

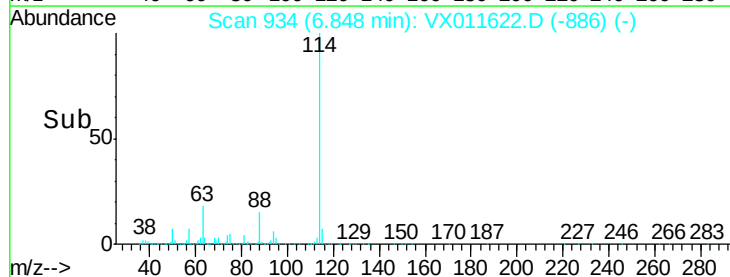
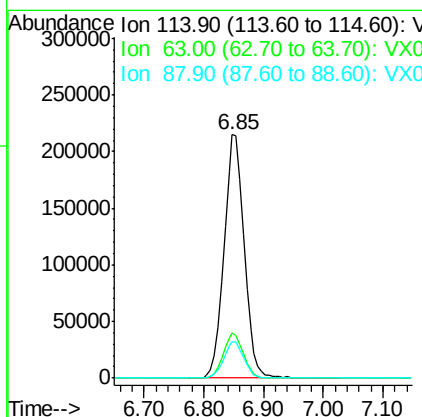
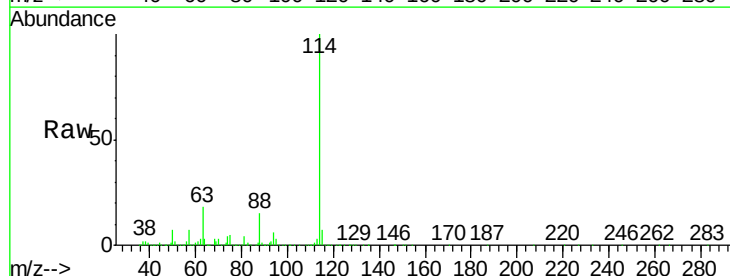
Manual Integrations
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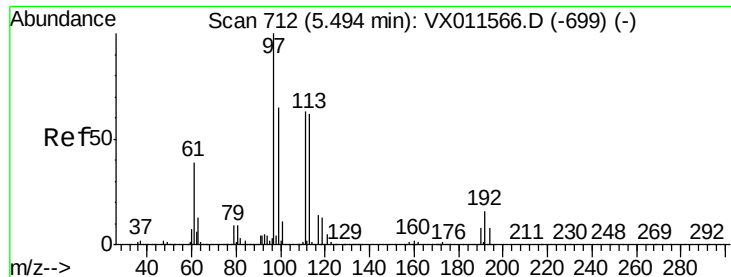
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 8/20/2019 3:41:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	505634		
63	18.3	0.0	37.8	
88	14.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 42.959 ug/l

RT: 5.48 min Scan# 710

Delta R.T. -0.01 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

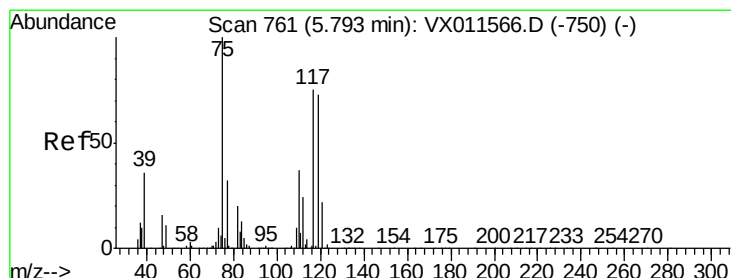
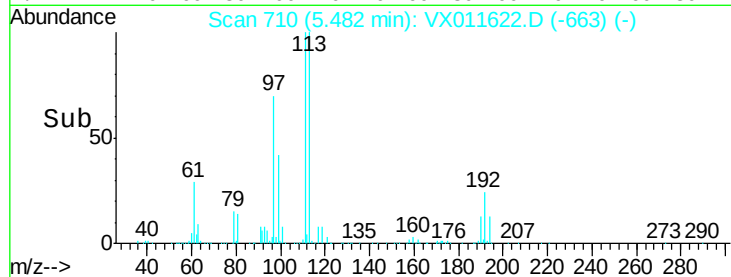
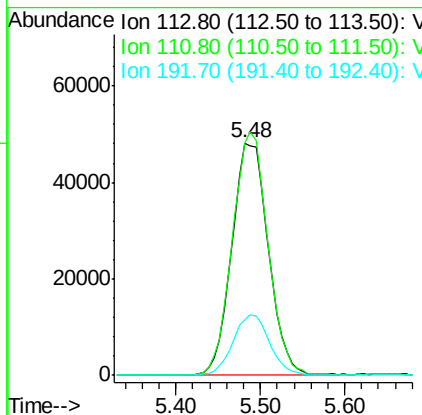
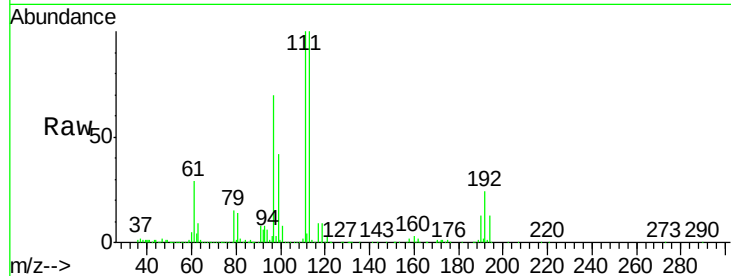
ClientSampleId :

VX0819WBS01

Tot Ion:	113	Resp:	142072
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.1	121.7
192	26.1	20.8	31.2

Manual Integrations
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8/20/2019 3:41:16 PM



#36

1,1-Dichloropropene

Concen: 19.000 ug/l

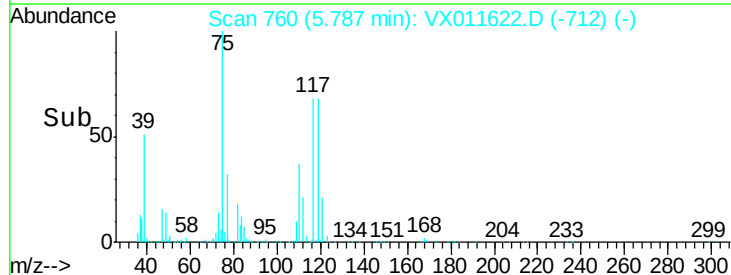
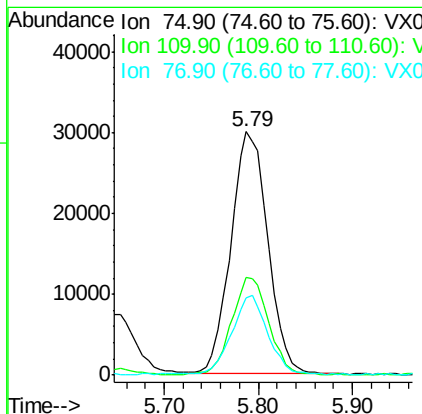
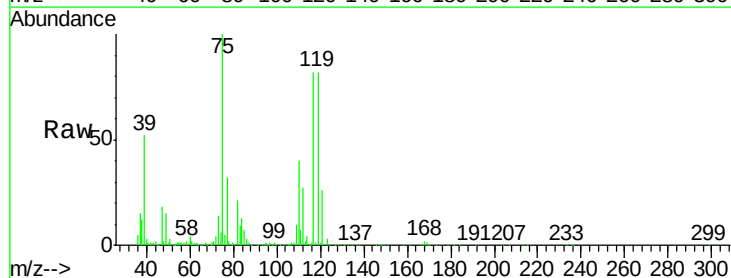
RT: 5.79 min Scan# 760

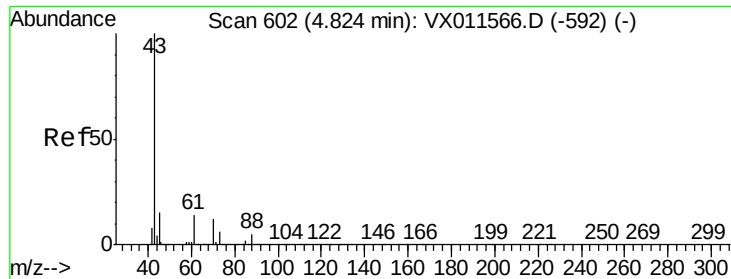
Delta R.T. -0.01 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	75	Resp:	82138
Ion Ratio	Lower	Upper	
75	100		
110	40.6	19.4	58.1
77	31.9	25.1	37.7





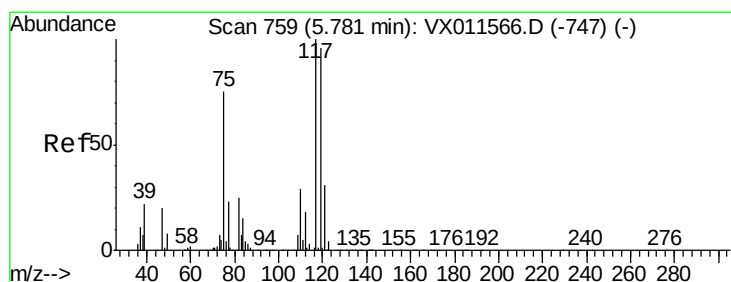
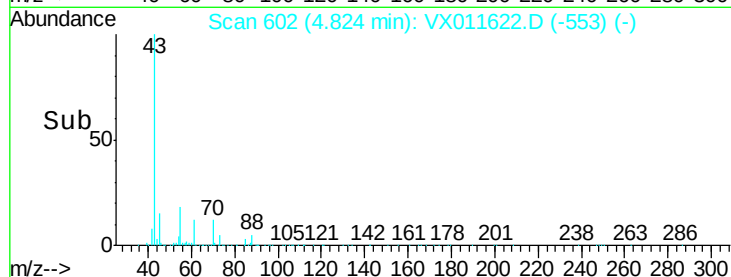
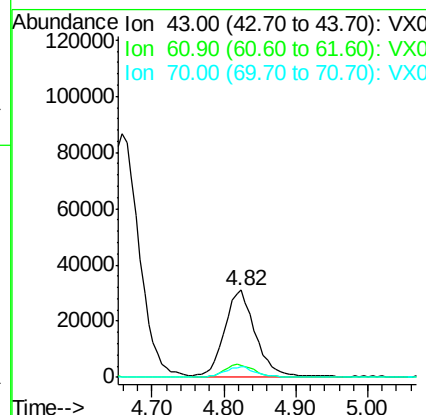
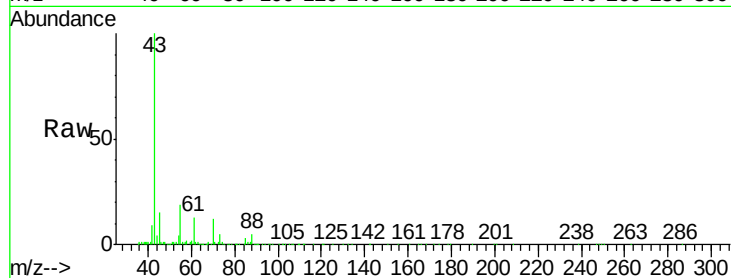
#37
Ethyl Acetate
Concen: 18.254 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.0
70	11.6	9.0	13.6

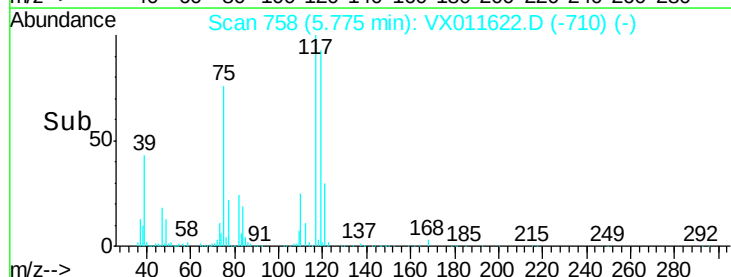
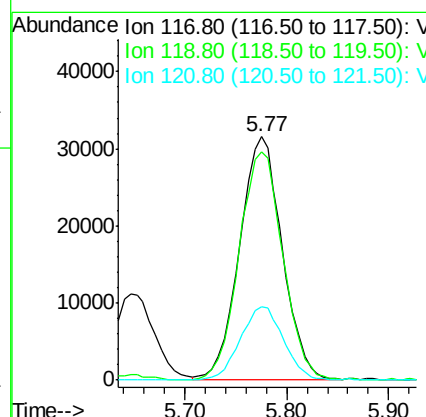
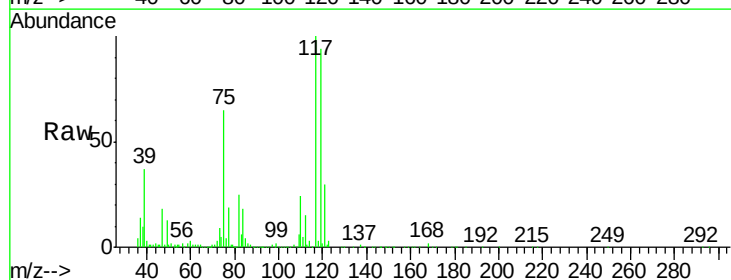
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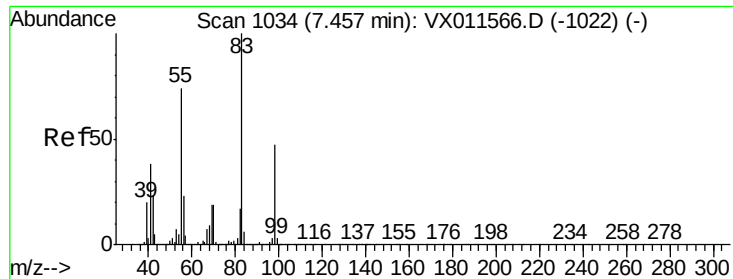
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8/20/2019 3:41:16 PM



#38
Carbon Tetrachloride
Concen: 19.081 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.9	115.3
121	30.1	24.8	37.2





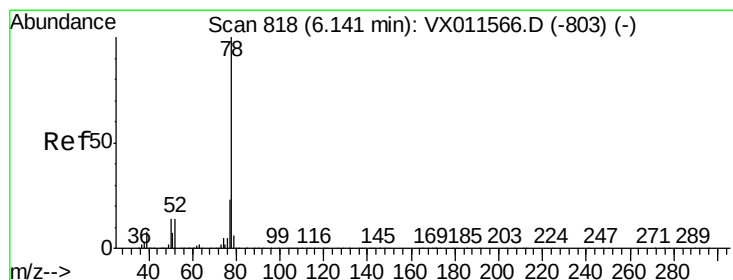
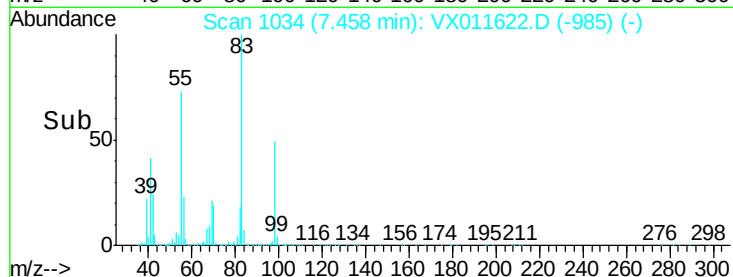
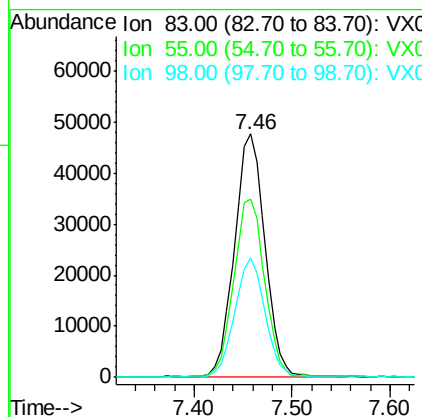
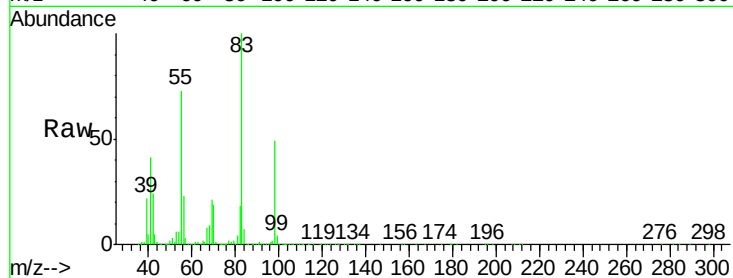
#39
Methylvlcyclohexane
Concen: 19.487 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	58.8	88.2
98	49.1	37.8	56.6

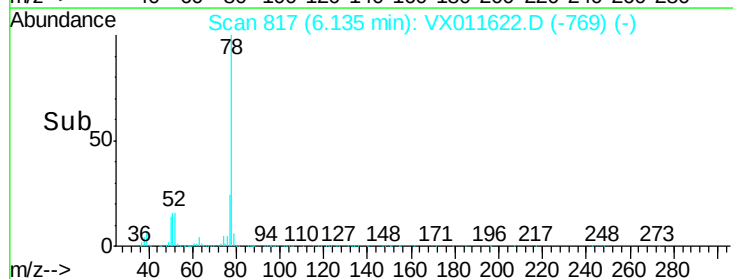
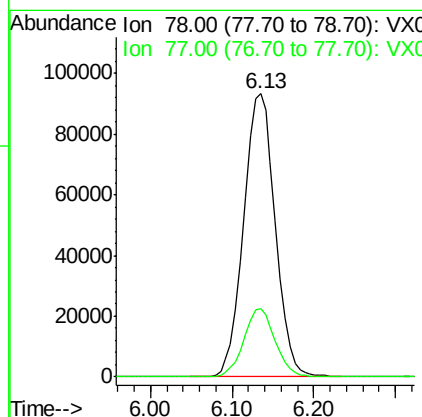
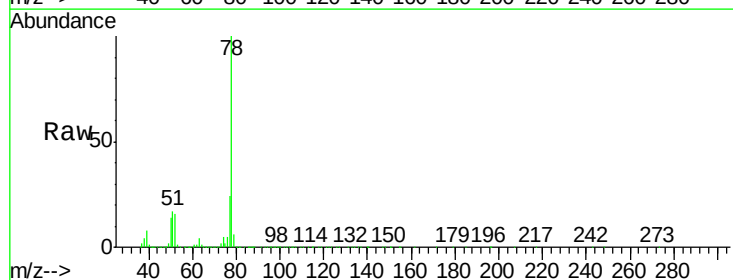
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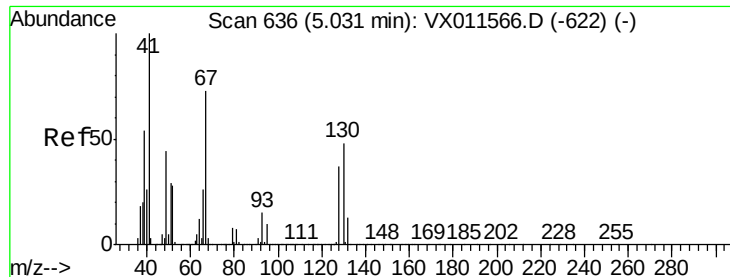
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8/20/2019 3:41:16 PM



#40
Benzene
Concen: 18.636 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





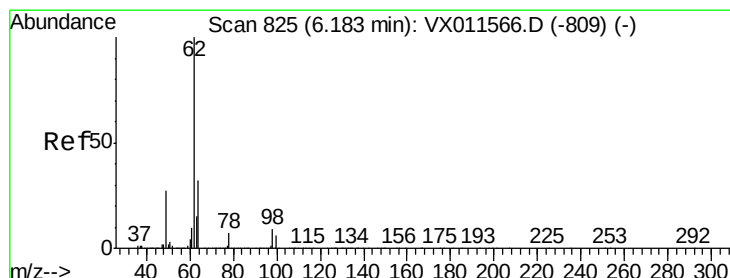
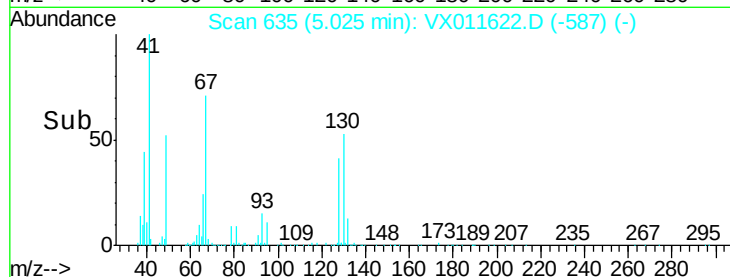
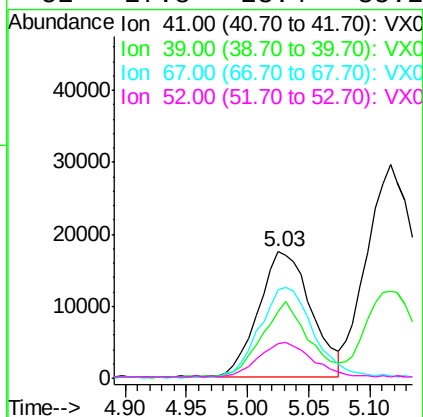
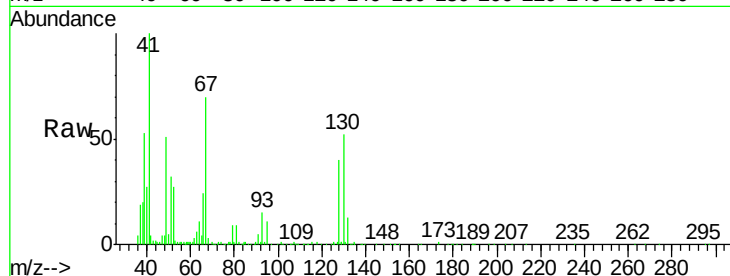
#41
Methacrylonitrile
Concen: 19.110 ug/l
RT: 5.03 min Scan# 635
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		52298		
39	56.6	43.5	65.3		
67	73.5	59.4	89.2		
52	27.8	23.4	35.2		

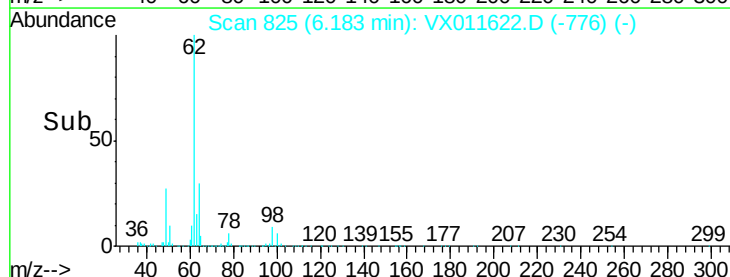
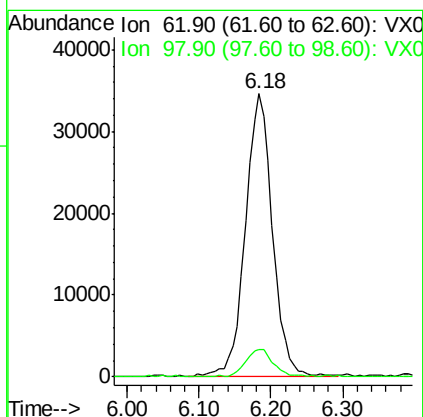
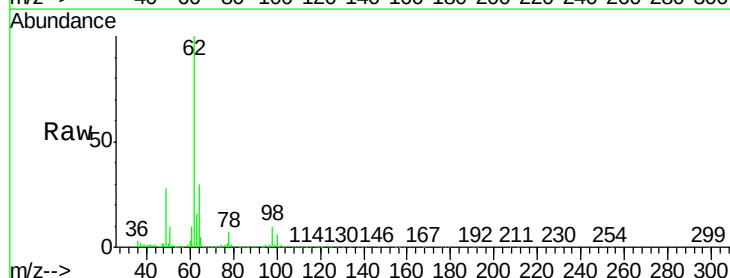
Manual Integrations
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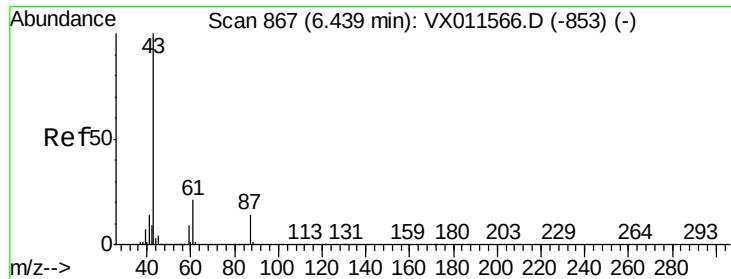
MMDadoda
8/20/2019 3:41:16 PM



#42
1,2-Dichloroethane
Concen: 19.479 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		90668		
98	10.3	0.0	19.4		





#43

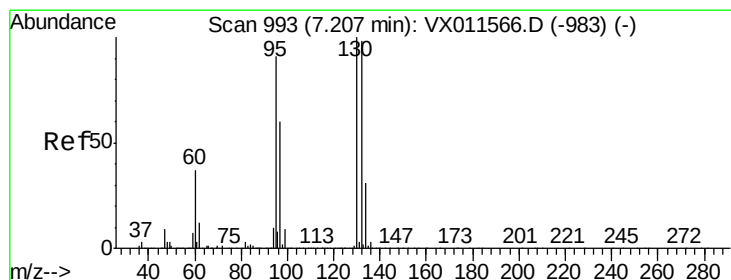
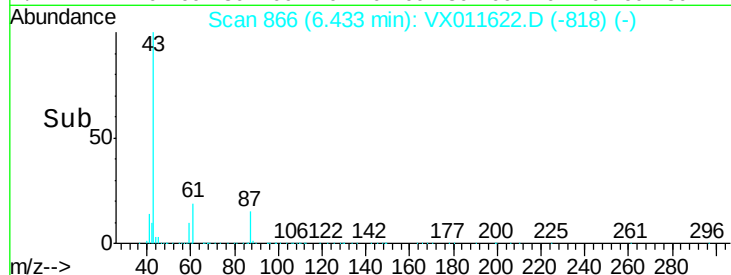
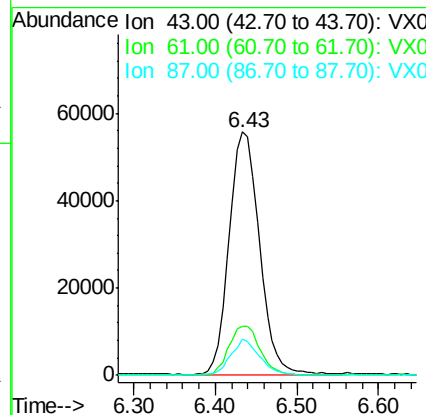
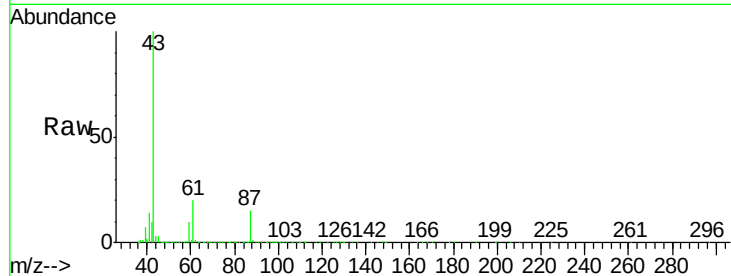
Isopropyl Acetate
 Concen: 18.414 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	14.3	11.4	17.2

Manual Integrations
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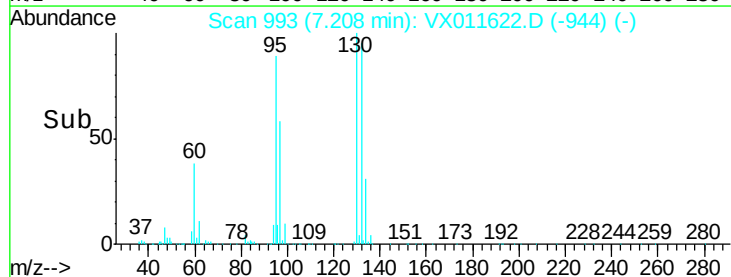
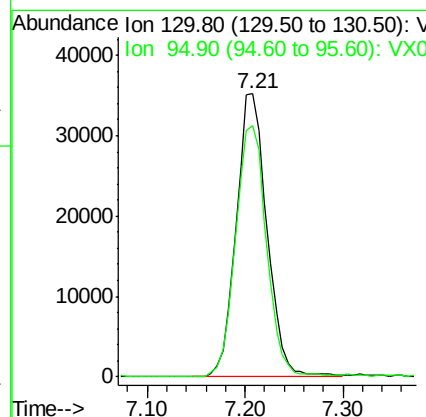
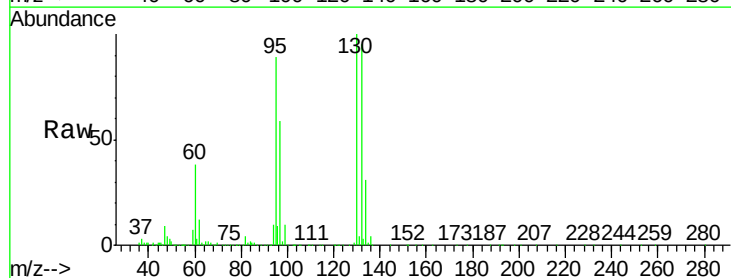
MMDadoda
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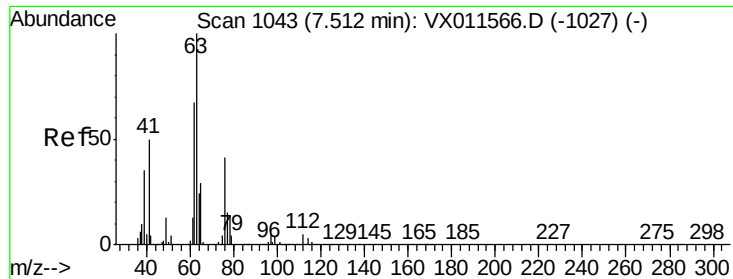


#44

Trichloroethene
 Concen: 19.313 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	181.4





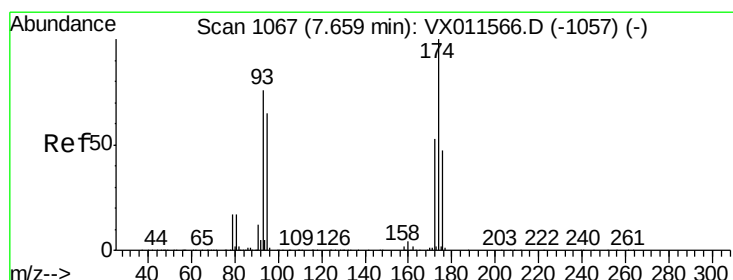
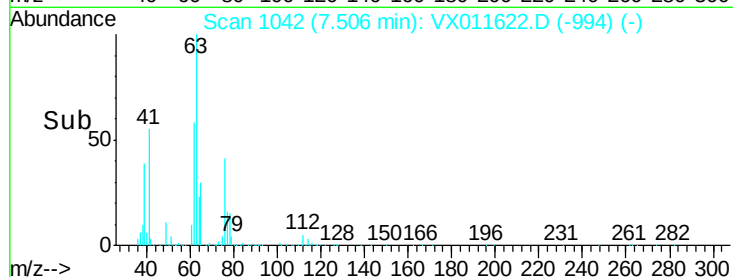
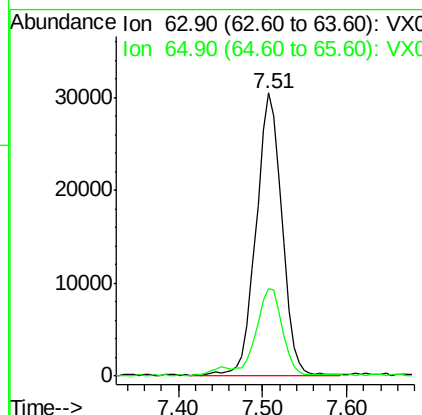
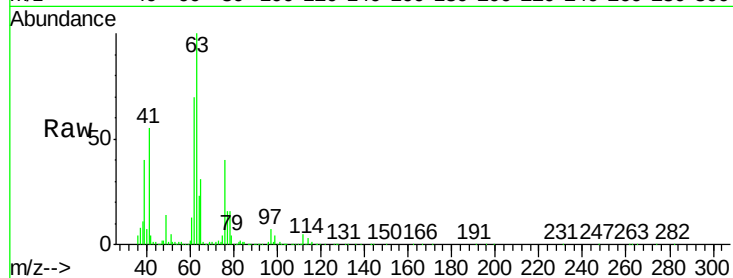
#45
 1,2-Dichloropropane
 Concen: 18.972 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.4	35.2

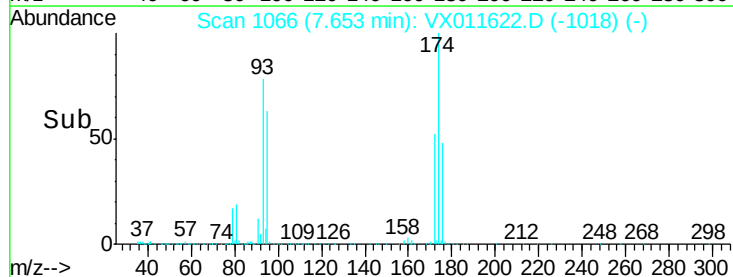
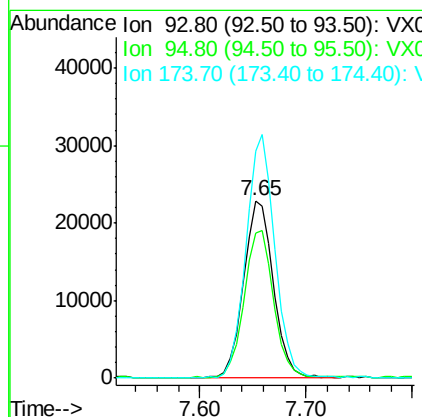
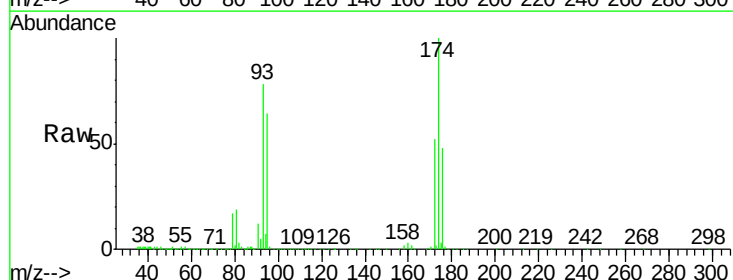
Manual Integrations
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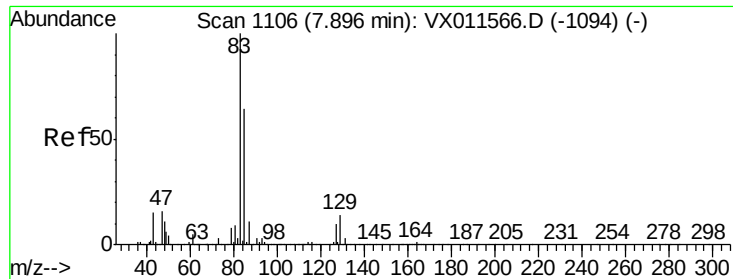
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#46
 Dibromomethane
 Concen: 18.590 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	67.2	100.8
174	132.1	105.5	158.3





#47

Bromodichloromethane

Concen: 18.688 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

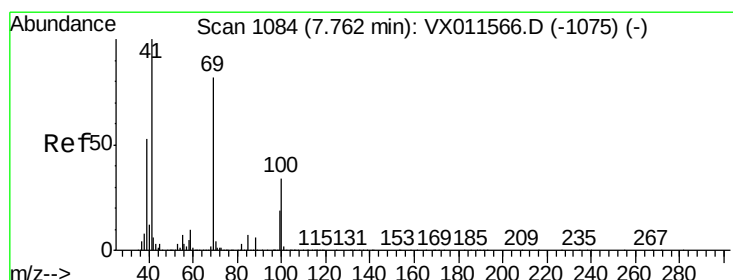
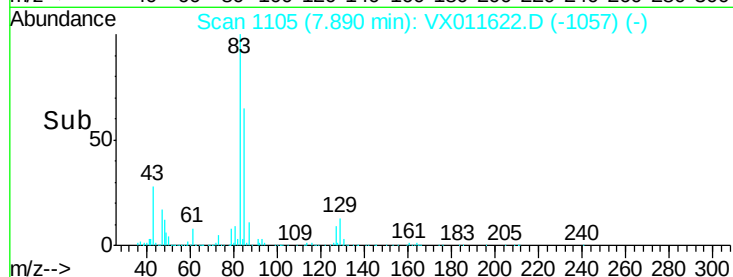
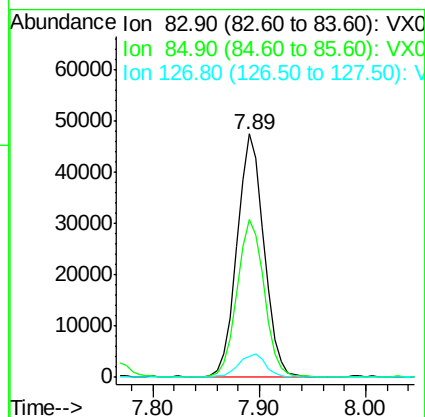
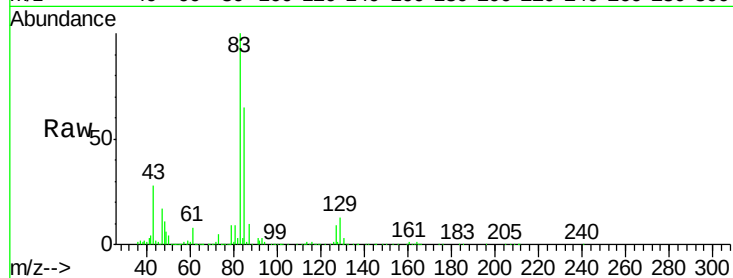
ClientSampleId :

VX0819WBS01

Tot Ion:	83	Resp:	83544
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	8.7	8.1	12.1

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#48

Methyl methacrylate

Concen: 18.974 ug/l

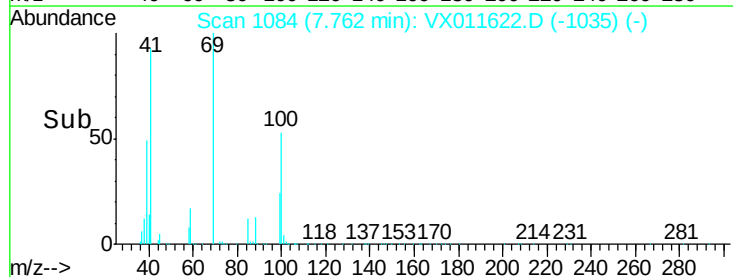
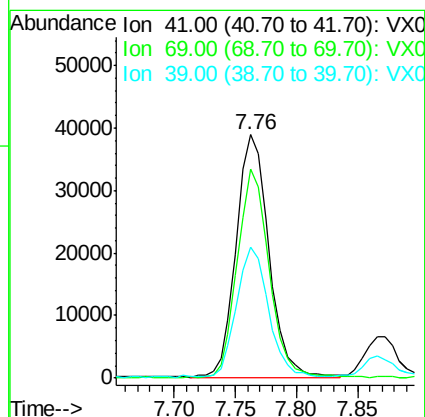
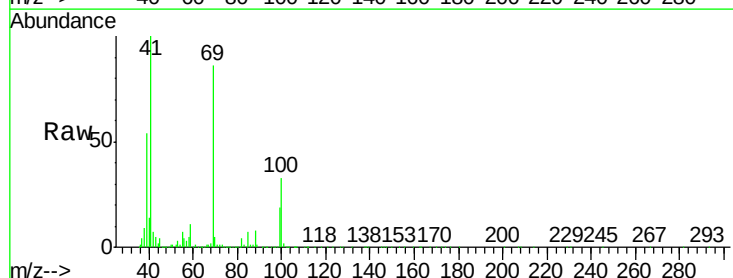
RT: 7.76 min Scan# 1084

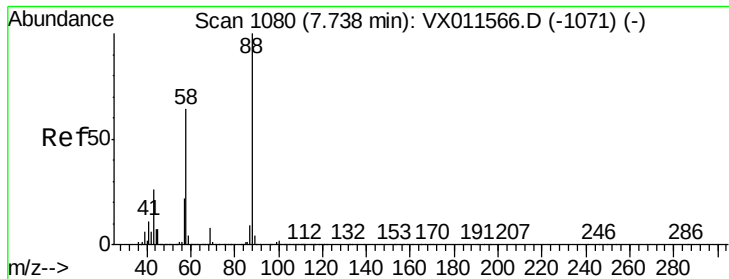
Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	41	Resp:	72915
Ion Ratio	Lower	Upper	
41	100		
69	82.7	67.9	101.9
39	51.1	41.6	62.4





#49

1,4-Dioxane

Concen: 368.022 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

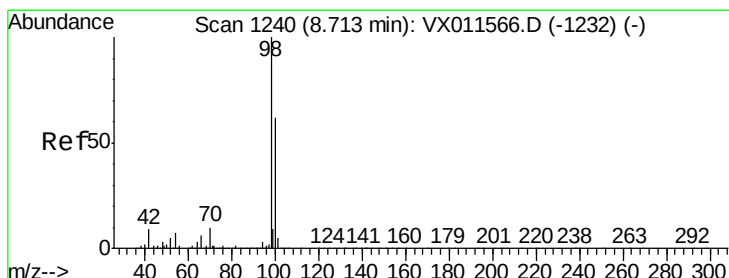
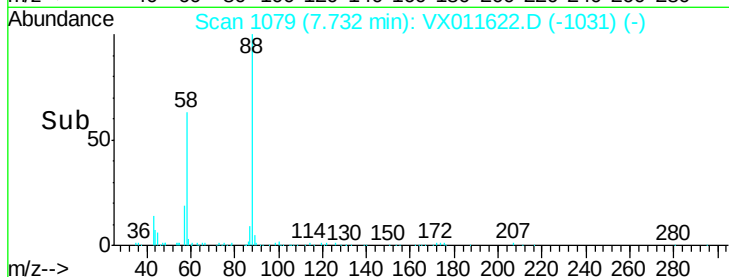
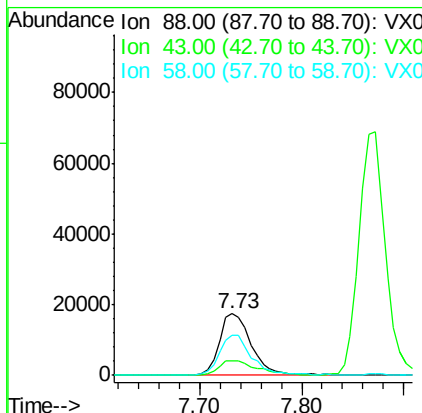
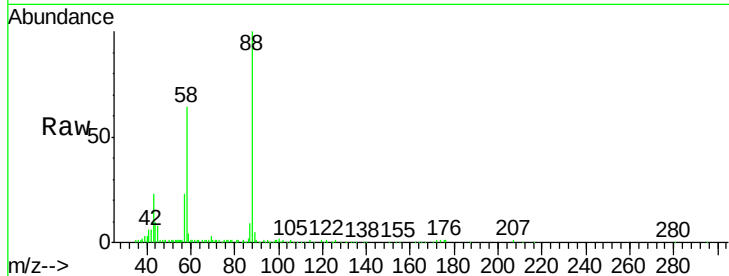
ClientSampleId :

VX0819WBS01

Tot Ion:	88	Resp:	37616
Ion Ratio	Lower	Upper	
88	100		
43	31.3	23.4	35.0
58	66.3	54.3	81.5

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#50

Toluene-d8

Concen: 44.562 ug/l

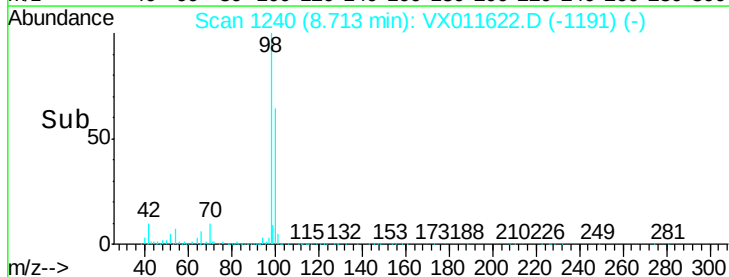
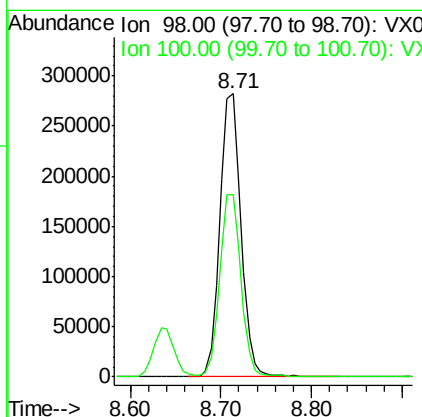
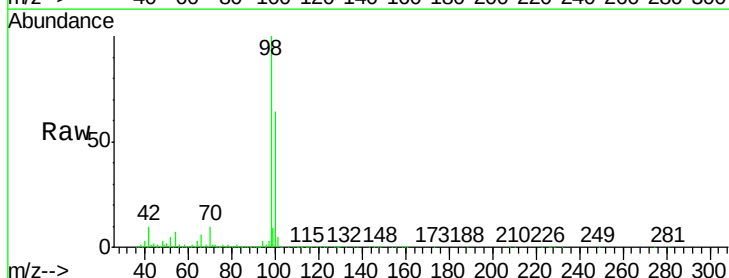
RT: 8.71 min Scan# 1240

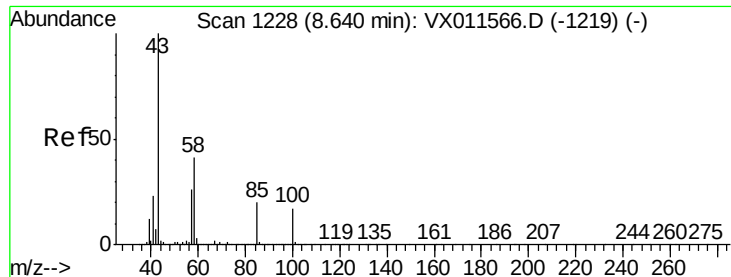
Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	98	Resp:	459200
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.4	78.6





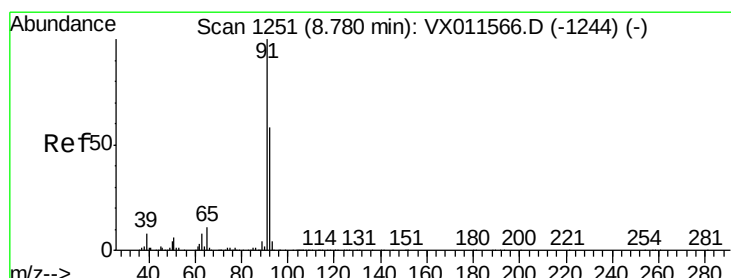
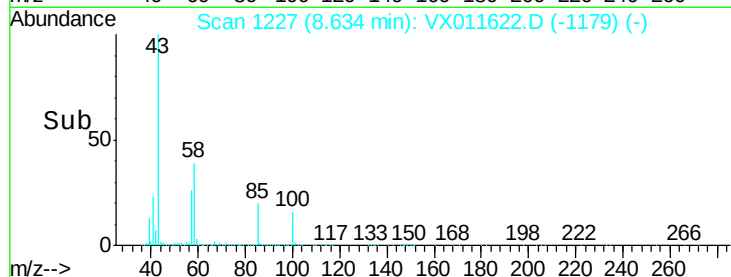
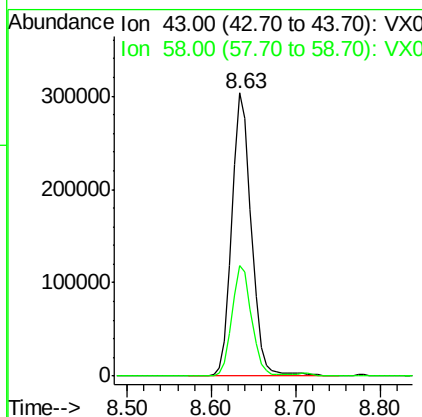
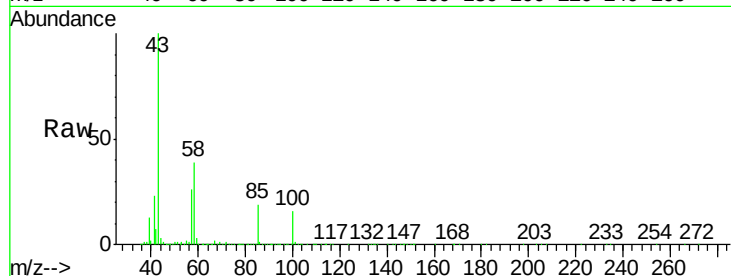
#51
4-Methyl-2-Pentanone
Concen: 94.514 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.8	47.6

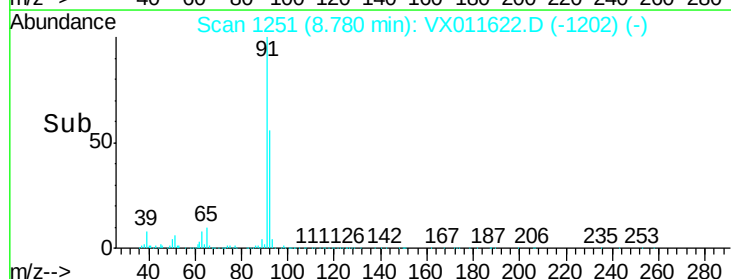
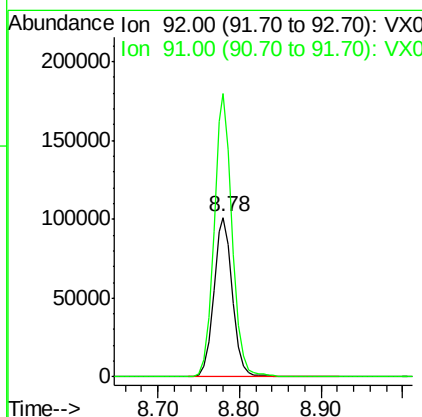
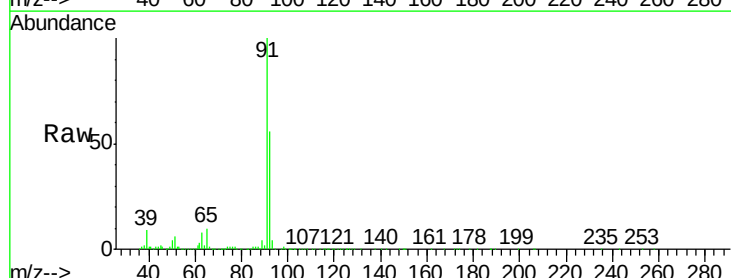
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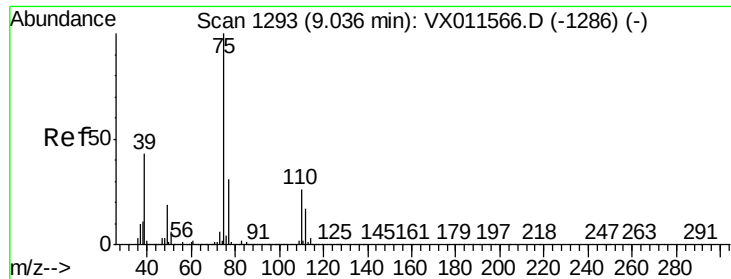
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#52
Toluene
Concen: 18.988 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	138.0	207.0





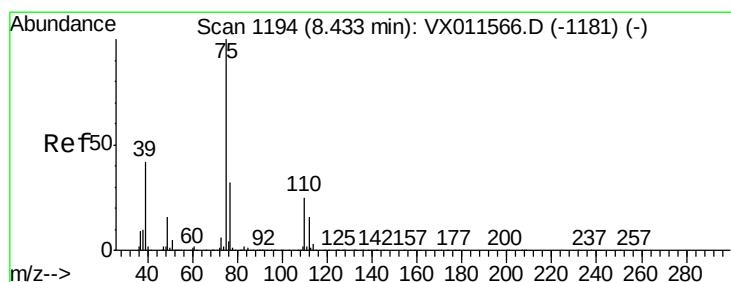
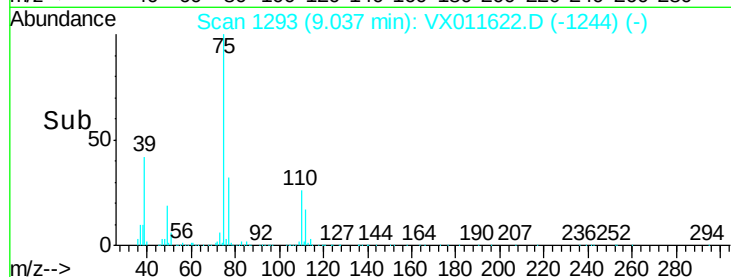
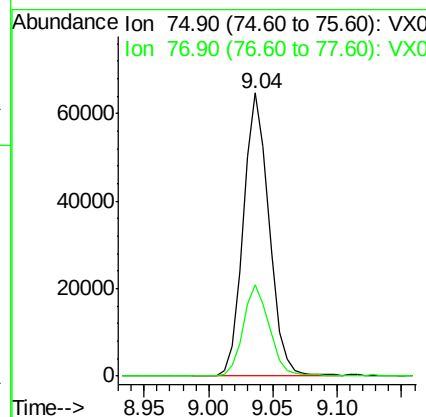
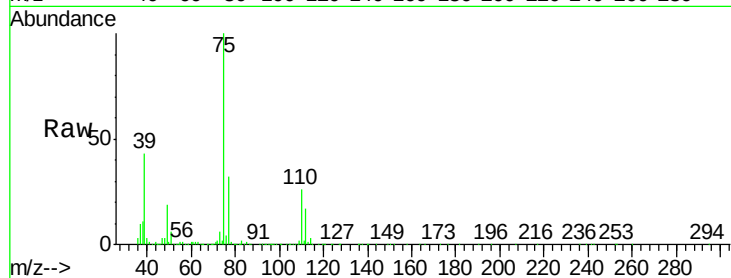
#53
t-1,3-Dichloropropene
Concen: 19.183 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7

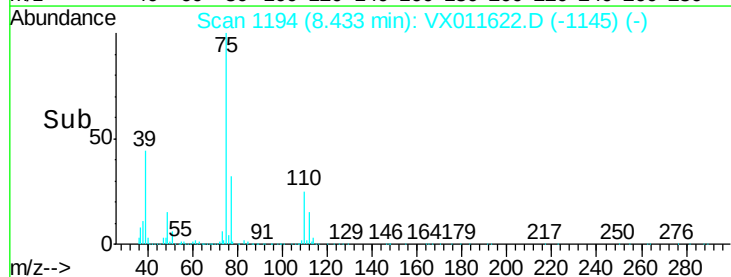
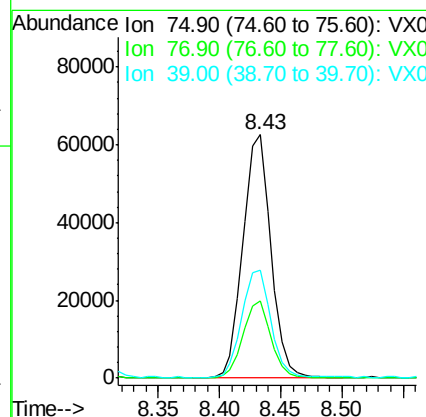
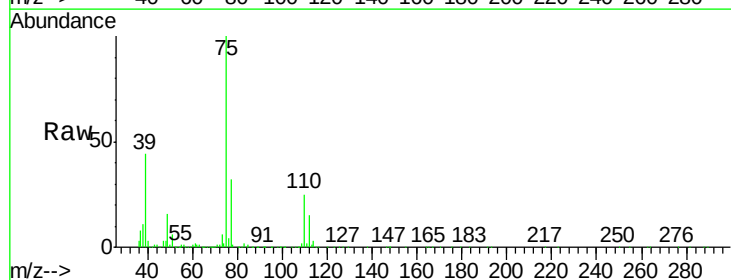
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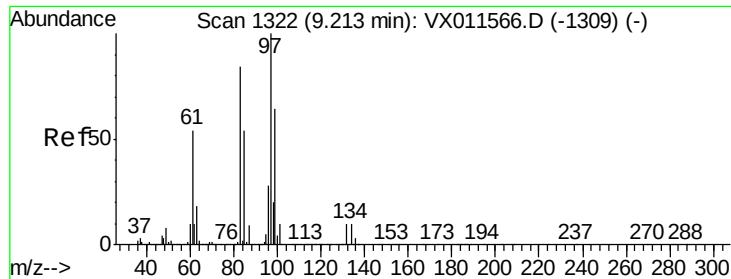
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#54
cis-1,3-Dichloropropene
Concen: 19.543 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3
39	44.2	33.6	50.4





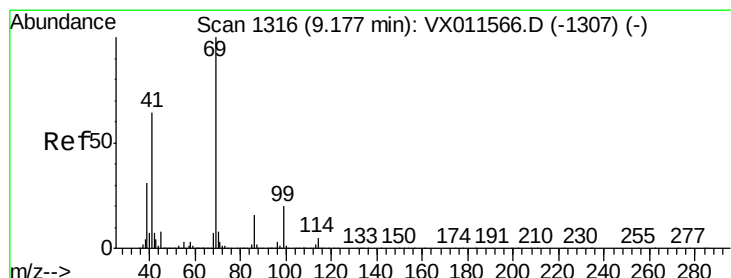
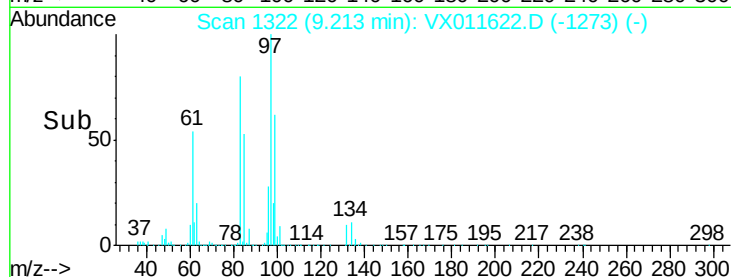
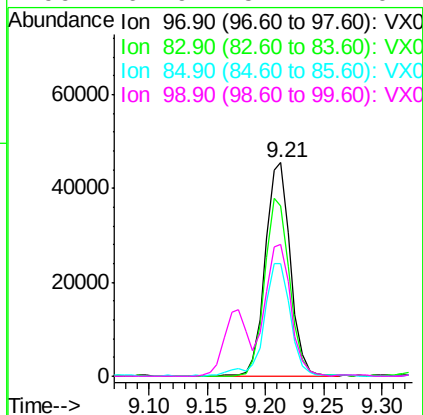
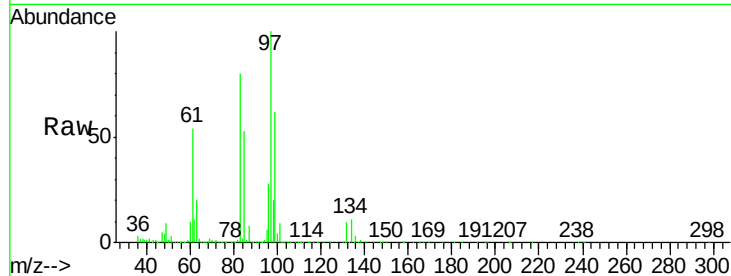
#55
 1,1,2-Trichloroethane
 Concen: 18.844 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		68586		
83	80.0	67.4	101.0		
85	52.8	43.4	65.2		
99	61.9	51.1	76.7		

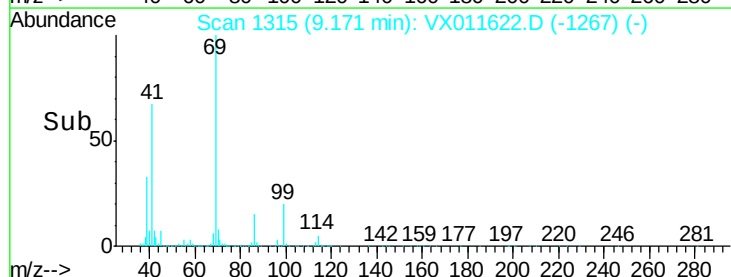
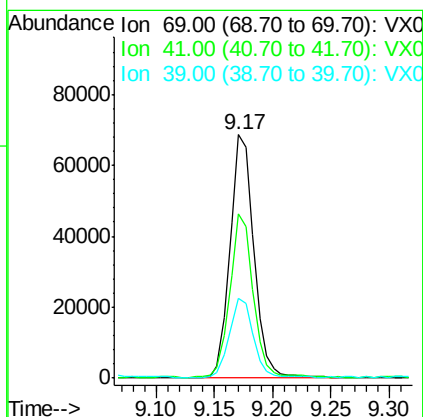
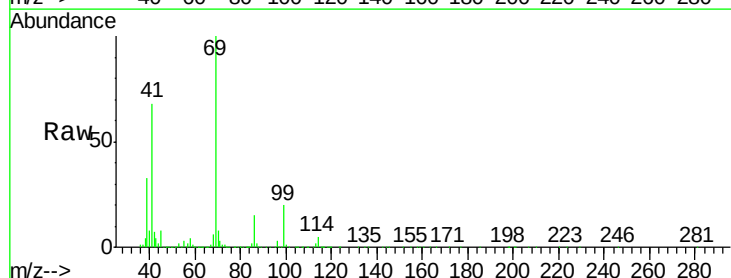
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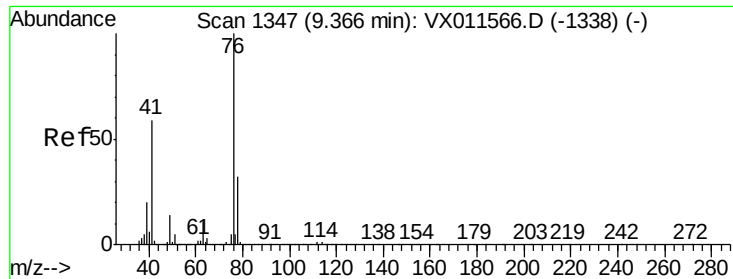
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 8/20/2019 3:41:16 PM



#56
 Ethyl methacrylate
 Concen: 18.640 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		98604		
41	65.1	52.1	78.1		
39	32.3	25.4	38.0		





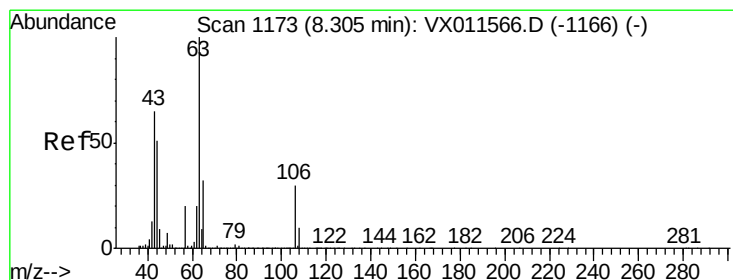
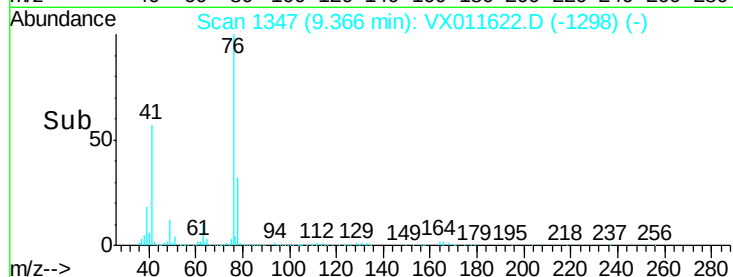
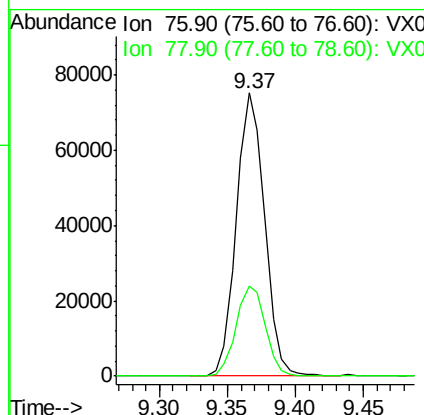
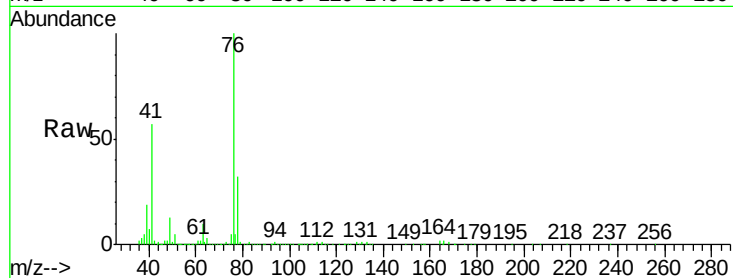
#57
 1,3-Dichloropropane
 Concen: 18.852 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

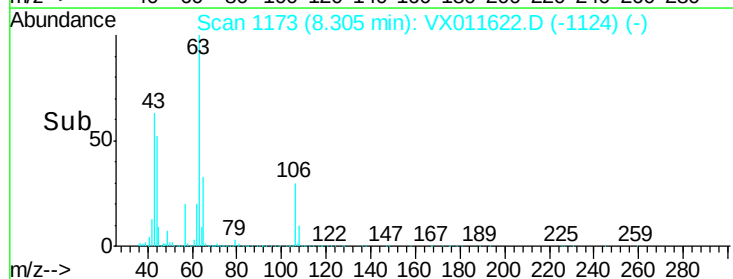
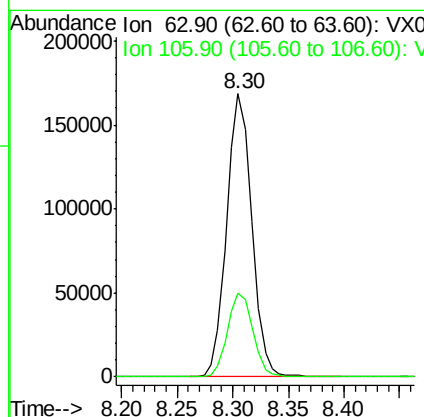
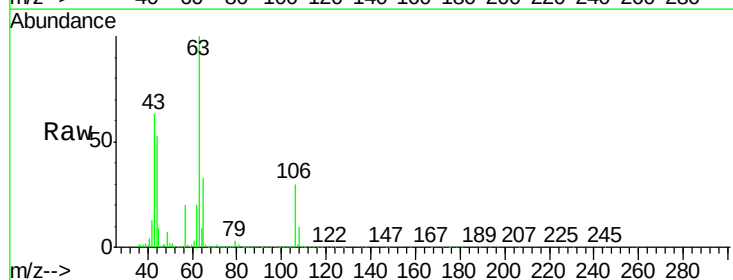
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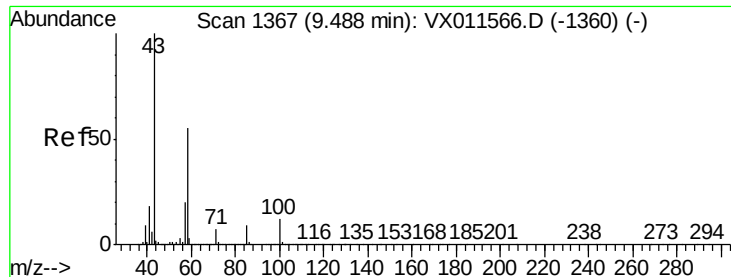
MMDadoda
 8/20/2019 3:41:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.084 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	24.7	37.1





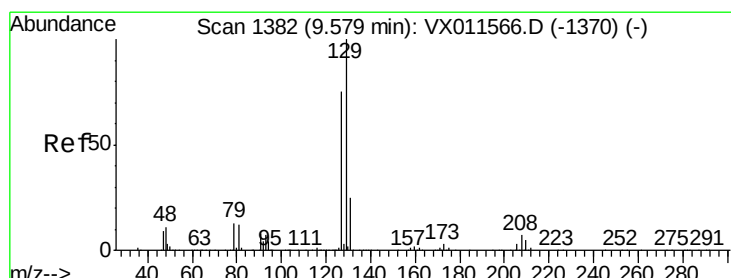
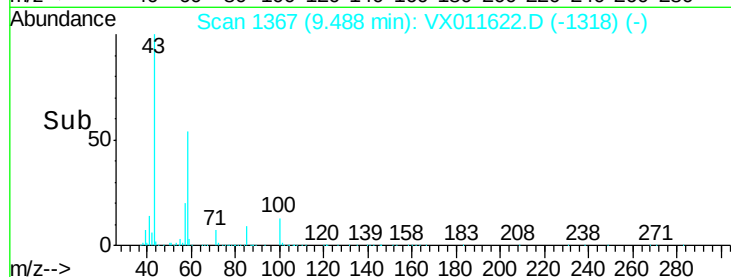
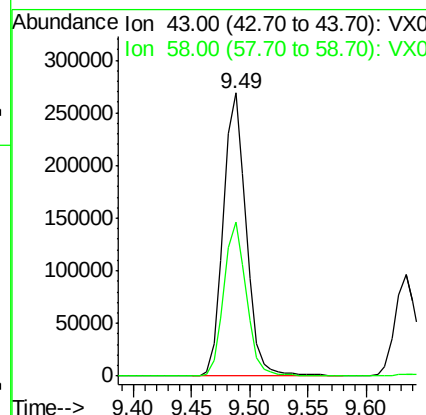
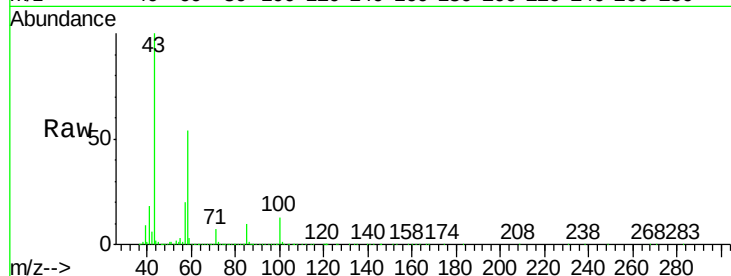
#59
2-Hexanone
Concen: 92.957 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.5	82.4

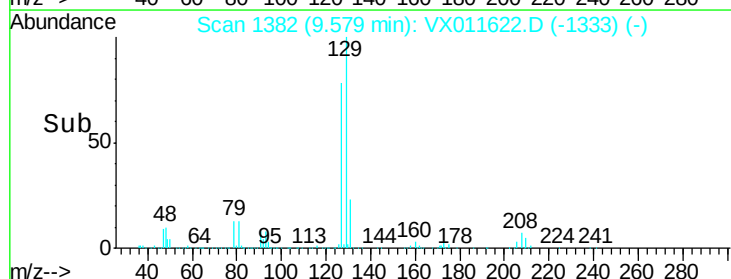
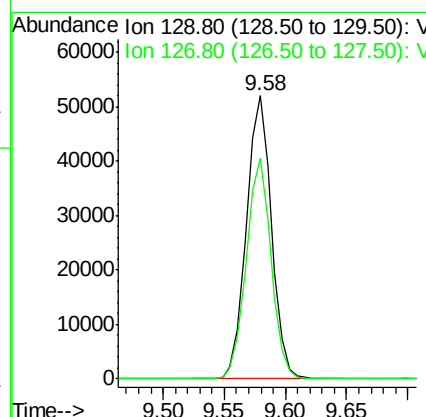
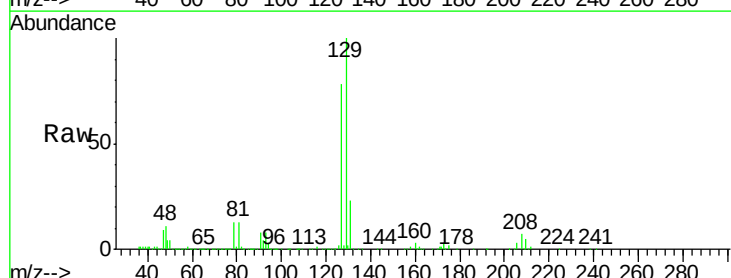
Manual Integrations
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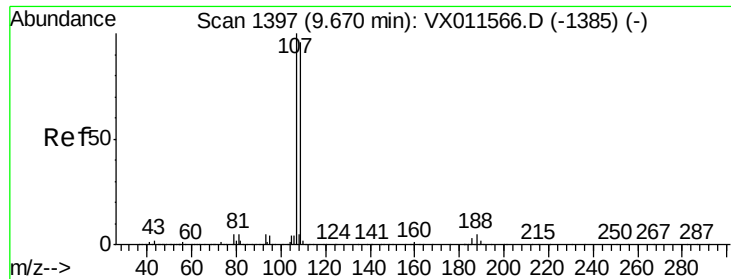
MMDadoda
8/20/2019 3:41:16 PM



#60
Dibromochloromethane
Concen: 19.495 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.0	114.1





#61

1,2-Dibromoethane

Concen: 18.911 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion: 107 Resp: 73458

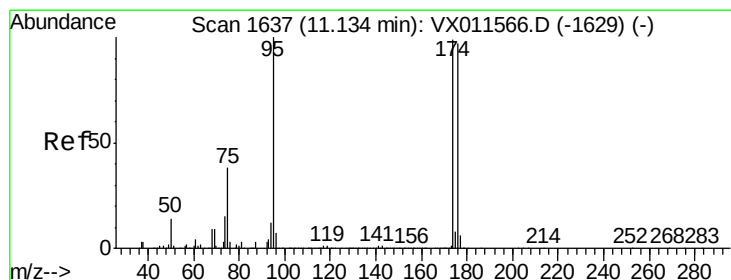
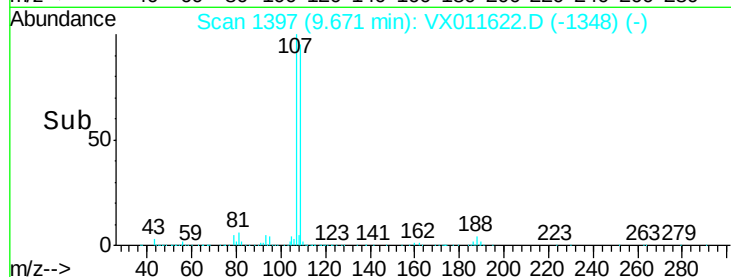
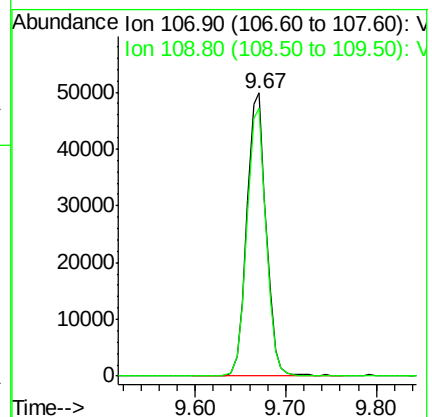
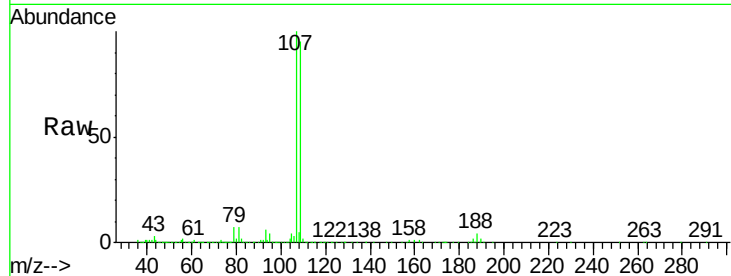
Ion Ratio Lower Upper

107 100

109 94.3 76.2 114.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 44.329 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

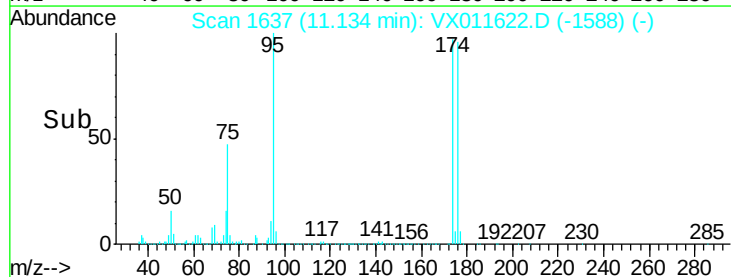
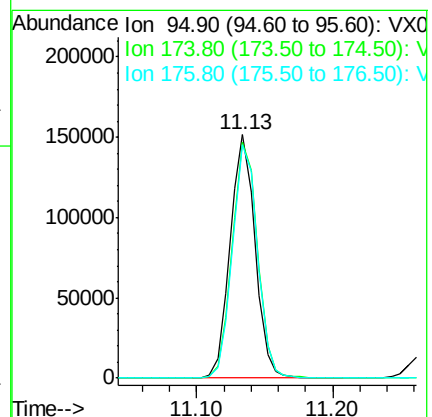
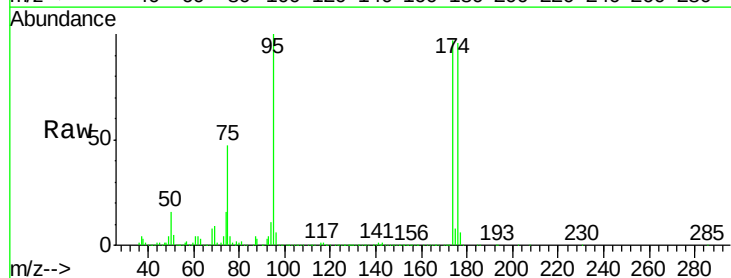
Tgt Ion: 95 Resp: 192808

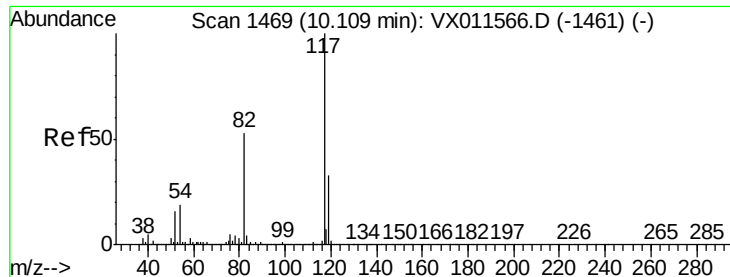
Ion Ratio Lower Upper

95 100

174 99.0 0.0 200.6

176 96.6 0.0 196.6





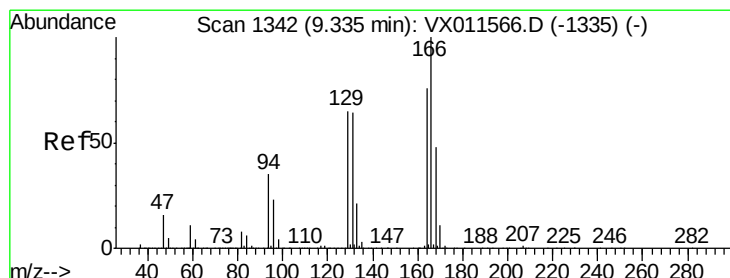
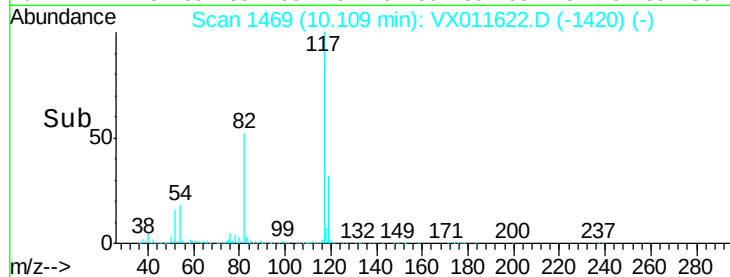
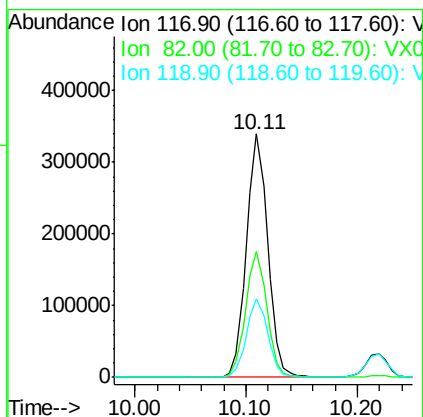
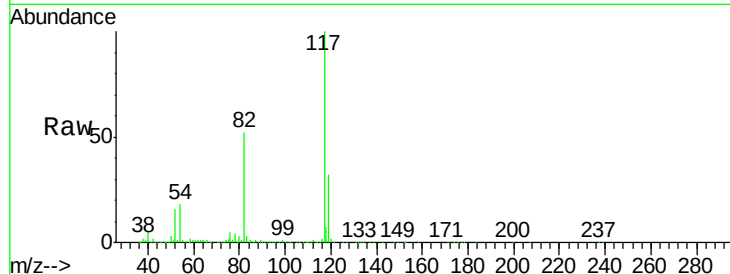
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	453780		
82	51.5	42.0	63.0	
119	32.3	26.5	39.7	

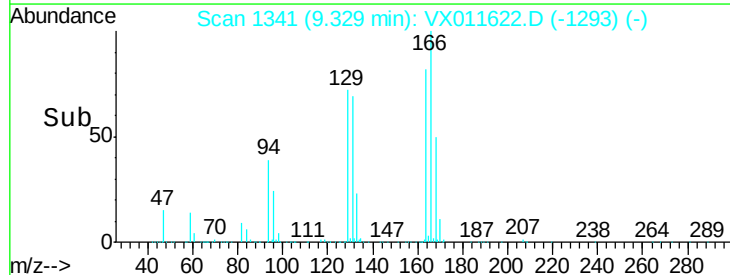
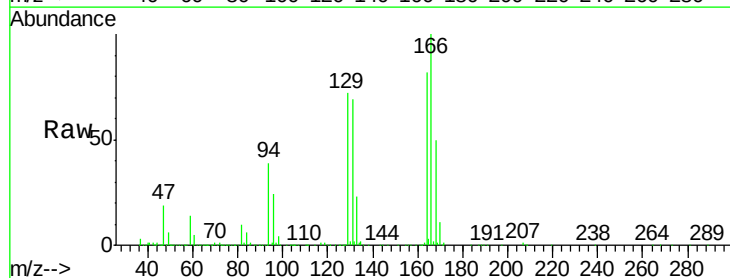
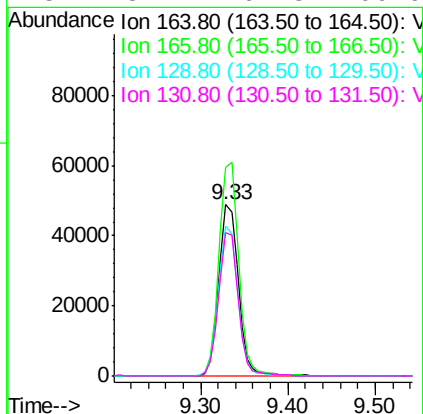
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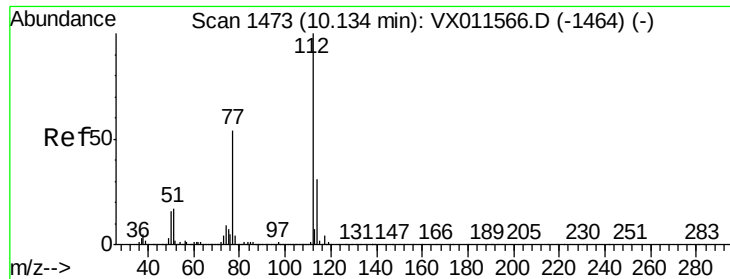
MMDadoda
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#64
Tetrachloroethene
Concen: 20.395 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75935		
166	122.3	104.7	157.1	
129	87.5	68.2	102.4	
131	84.1	67.3	100.9	





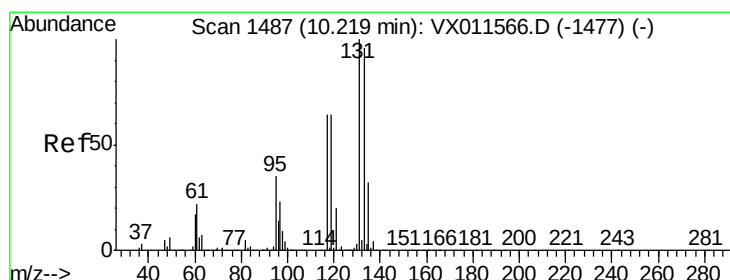
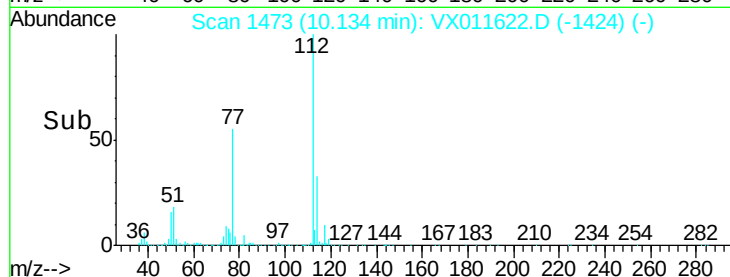
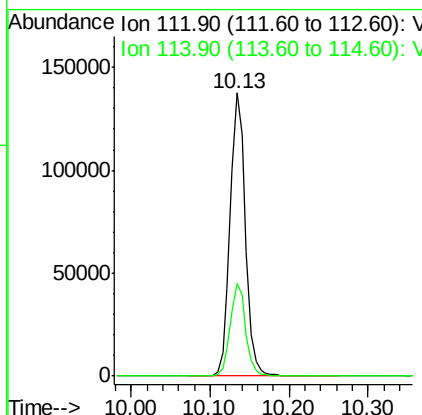
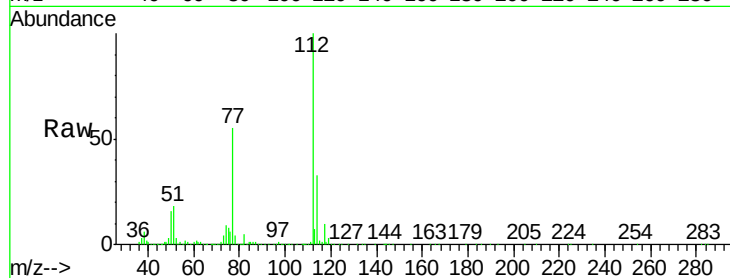
#65
Chlorobenzene
Concen: 19.182 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6

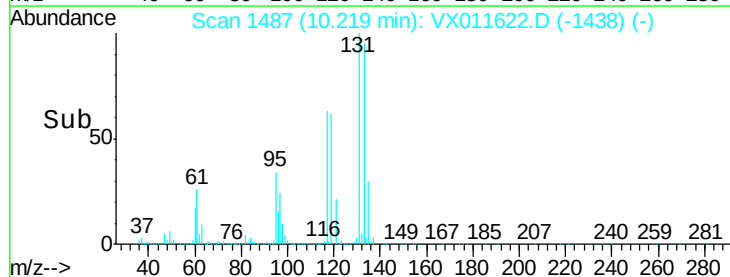
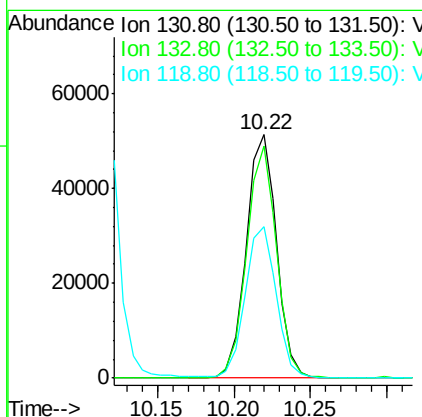
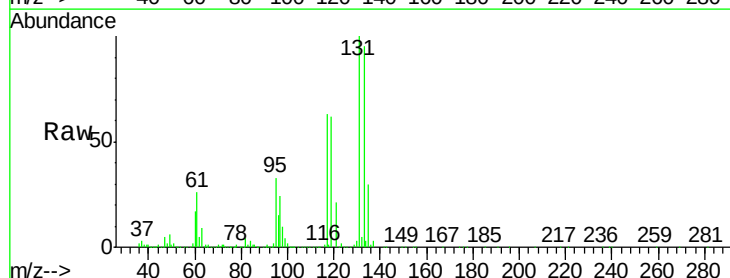
Manual Integrations
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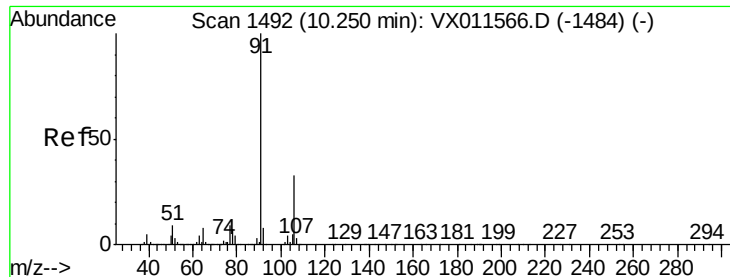
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.509 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.1	144.4
119	63.6	31.3	93.8





#67

Ethyl Benzene

Concen: 19.334 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion: 91 Resp: 312292

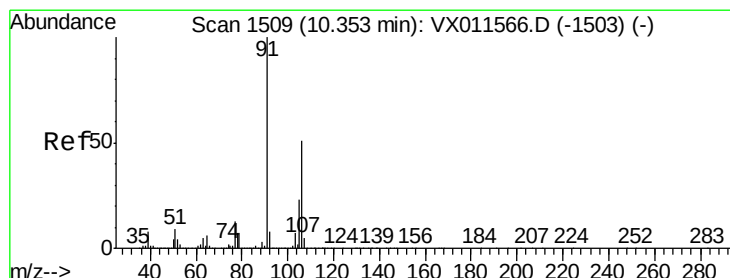
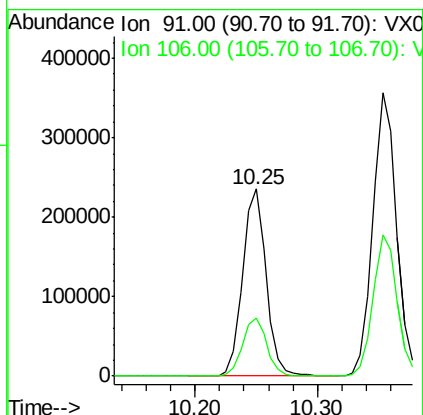
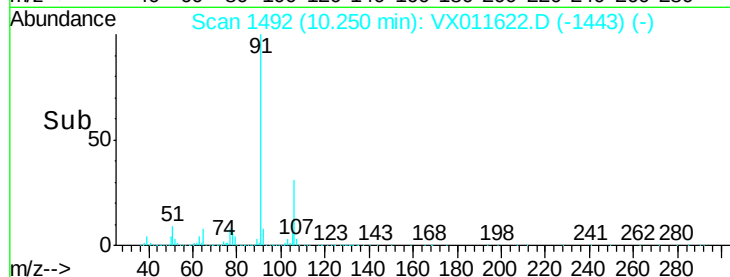
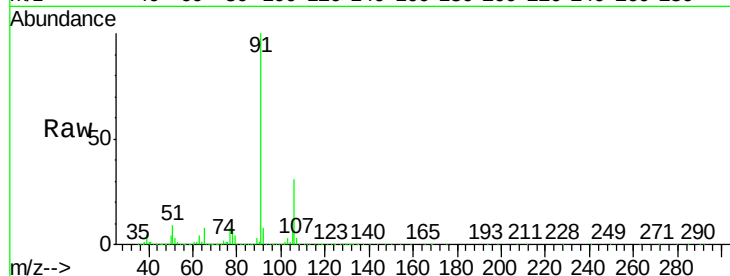
Ion Ratio Lower Upper

91 100

106 31.3 26.0 39.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.576 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011622.D

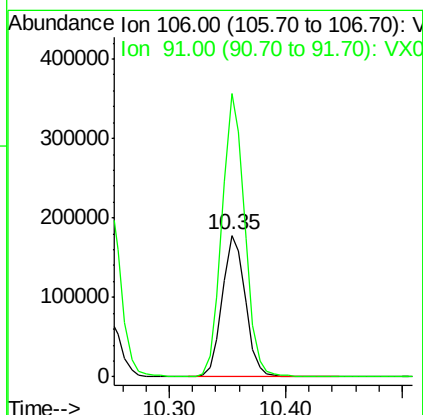
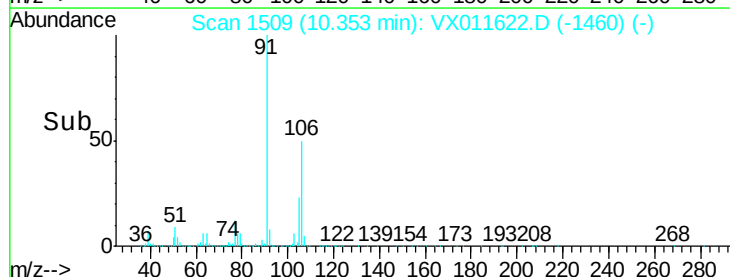
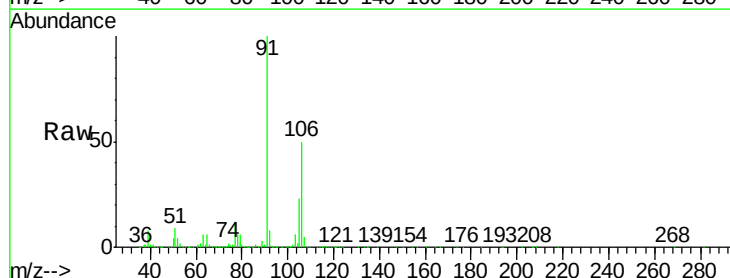
Acq: 19 Aug 2019 11:24

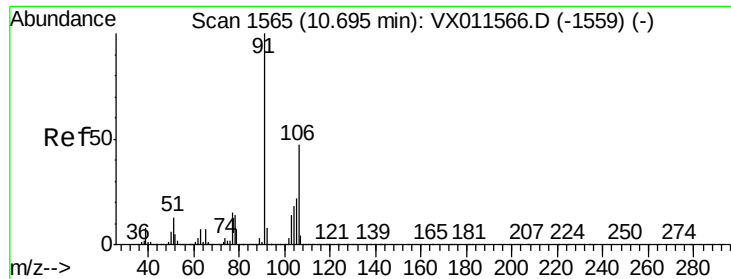
Tgt Ion: 106 Resp: 245382

Ion Ratio Lower Upper

106 100

91 196.9 156.0 234.0





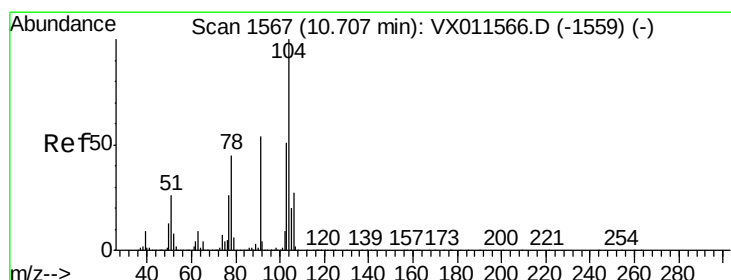
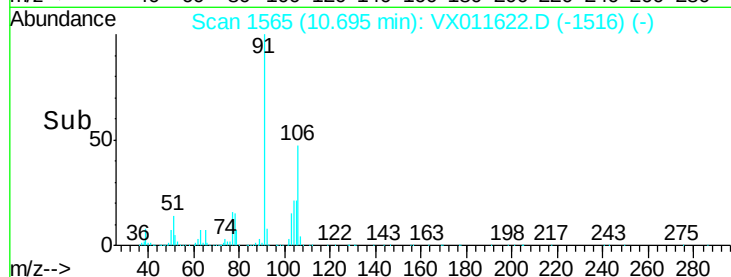
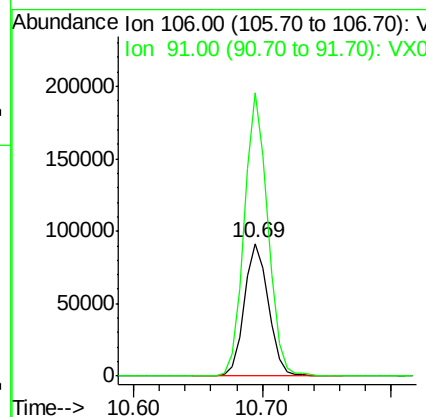
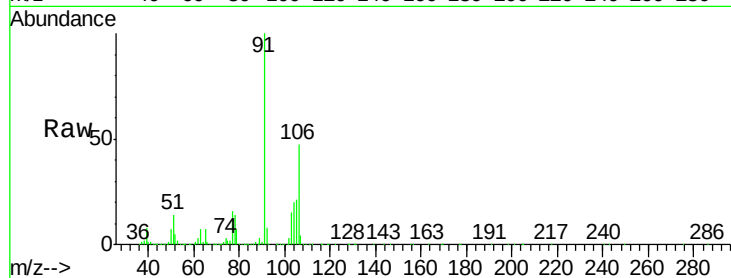
#69
o-Xylene
Concen: 19.485 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	118341		
91	91	208.4	105.5	316.4	

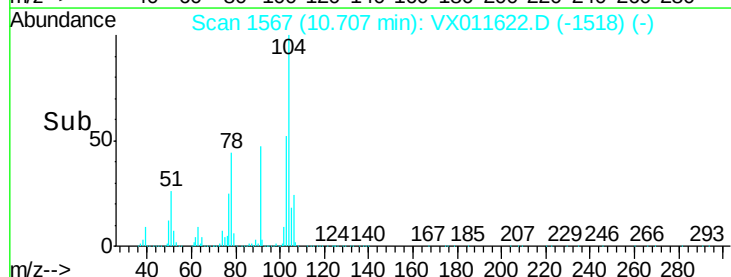
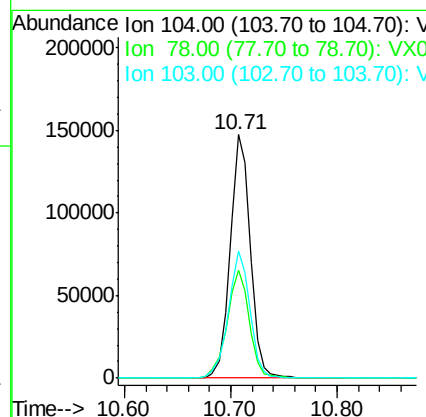
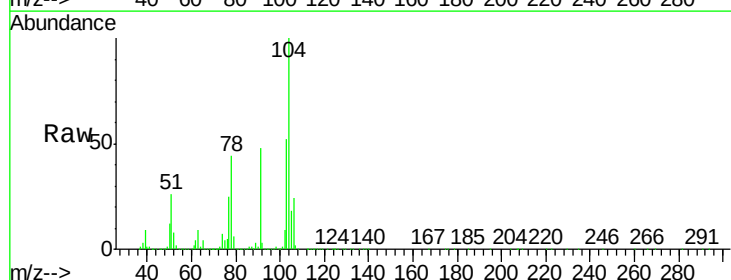
Manual Integrations
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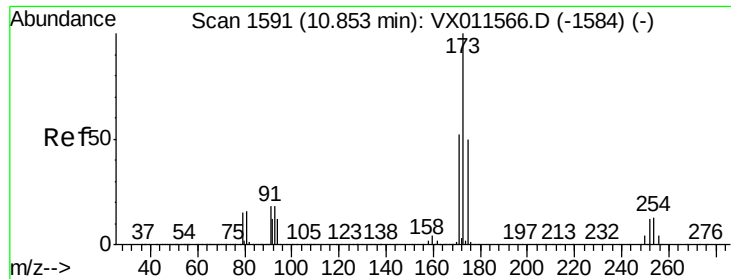
MMDadoda
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#70
Styrene
Concen: 19.217 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	196478		
78	78	48.4	38.2	57.4	
103	103	55.4	43.6	65.4	





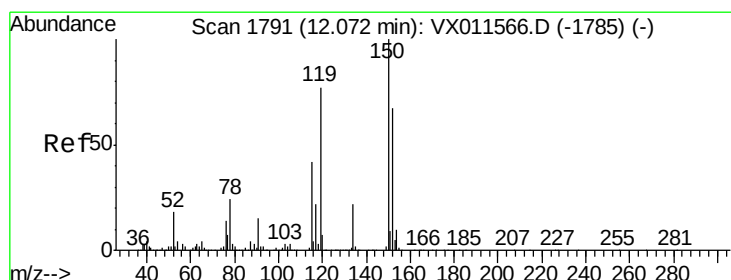
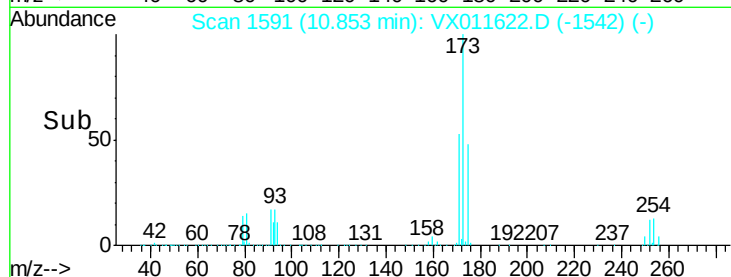
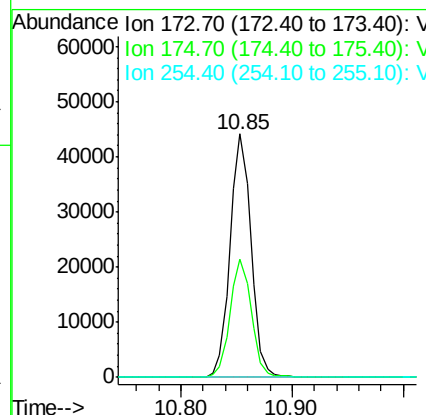
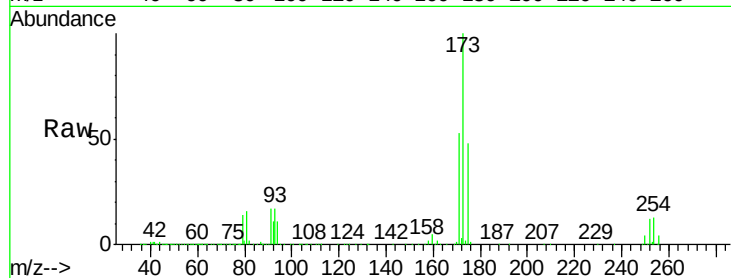
#71
Bromoform
Concen: 18.620 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.7
254	0.2	0.1	0.1#

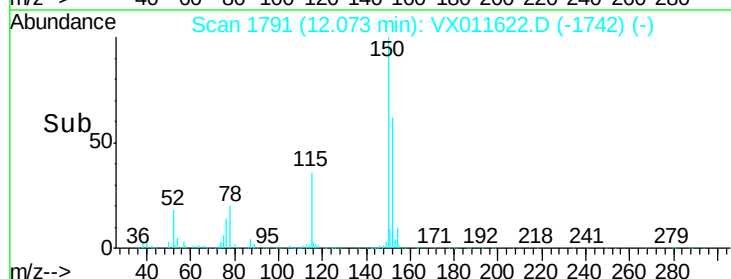
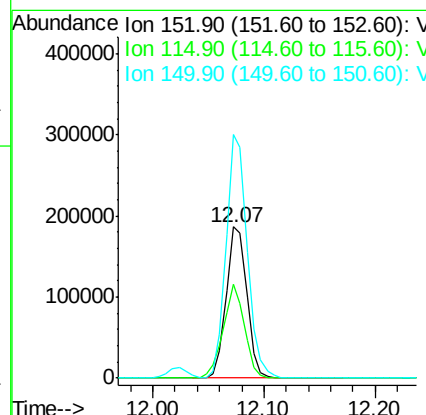
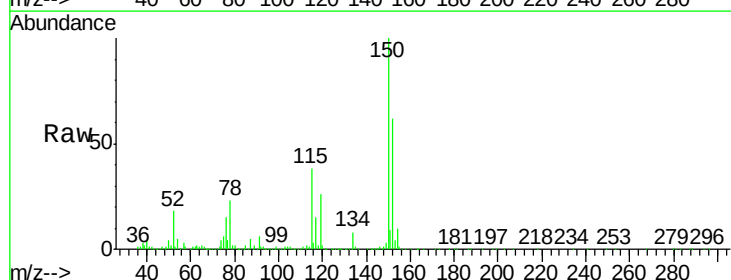
Manual Integrations
APPROVED

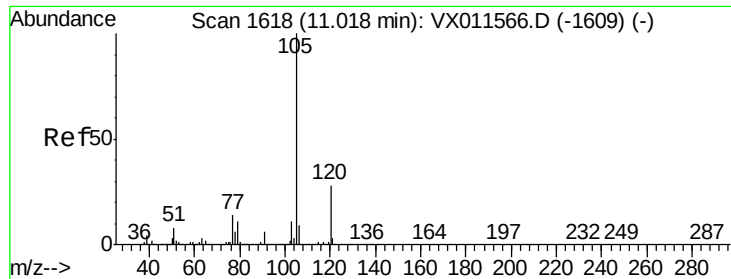
MMDadoda
8/20/2019 3:41:16 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	37.3	111.9
150	164.7	0.0	346.2





#73

Isopropylbenzene

Concen: 20.612 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion: 105 Resp: 319820

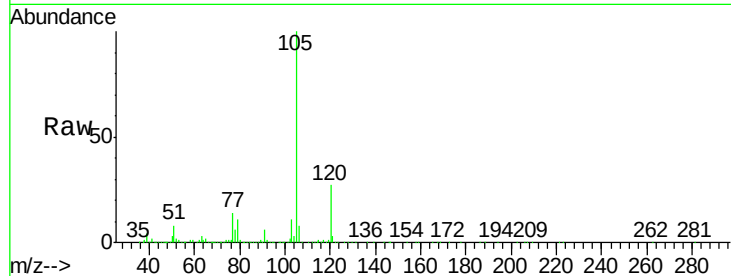
Ion Ratio Lower Upper

105 100

120 27.2 14.0 41.9

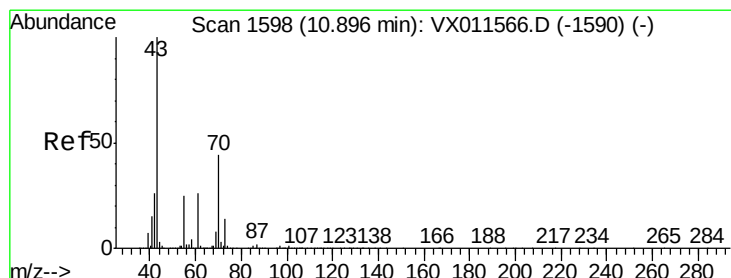
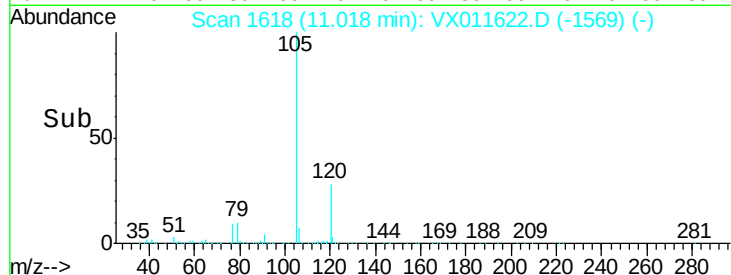
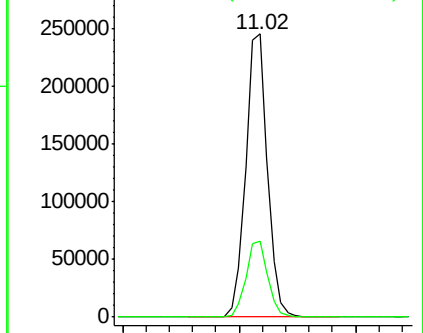
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.148 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion: 43 Resp: 119668

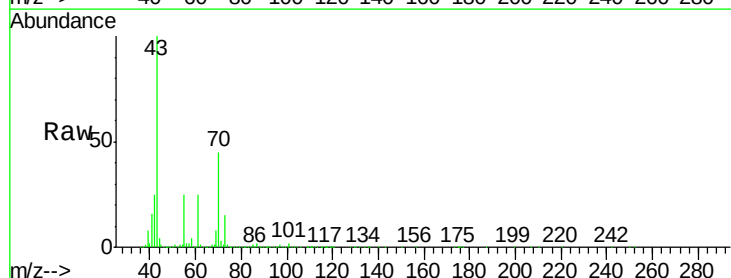
Ion Ratio Lower Upper

43 100

70 43.6 34.7 52.1

55 24.5 19.6 29.4

61 24.8 19.9 29.9

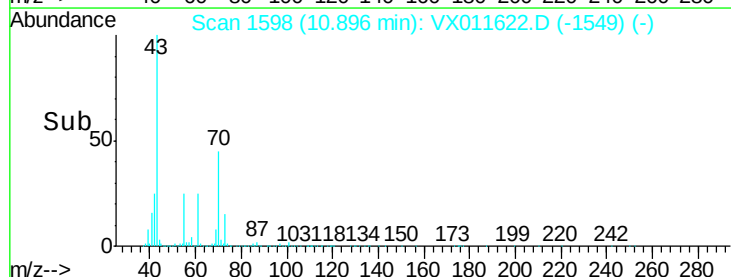
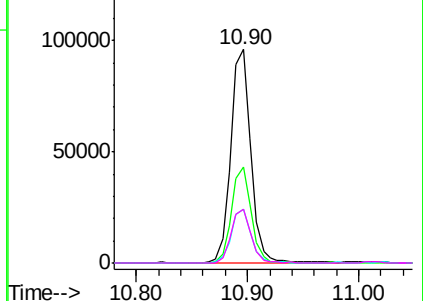


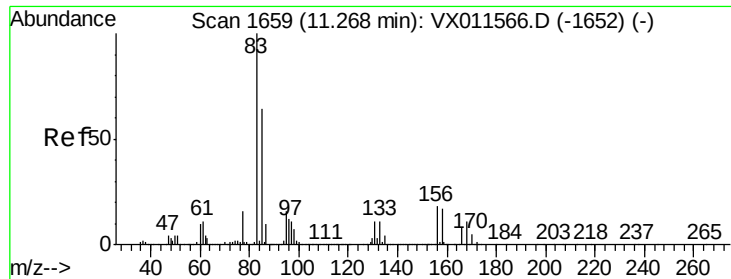
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.039 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

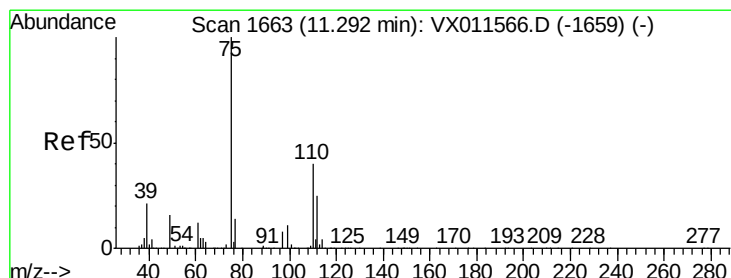
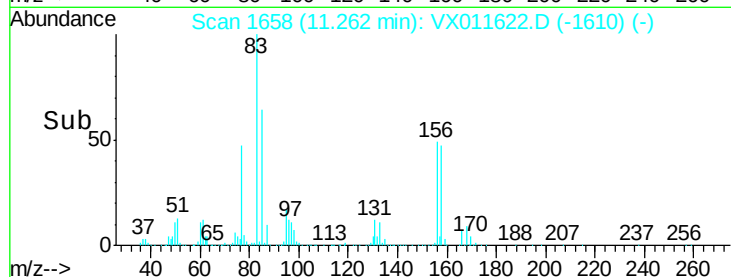
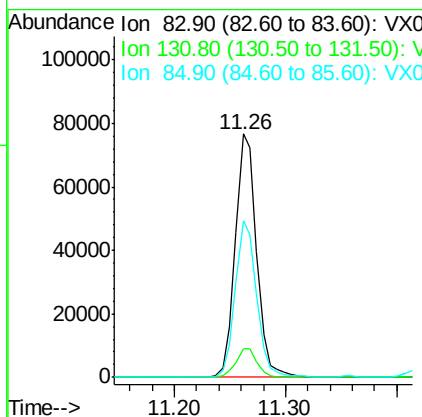
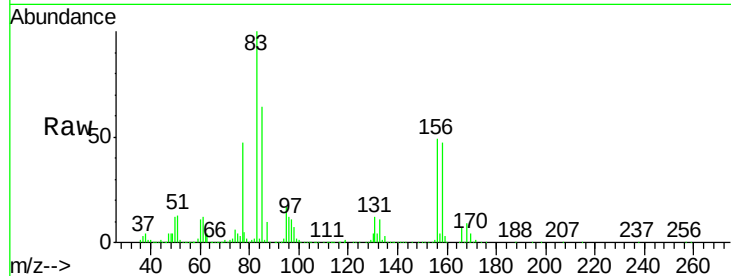
ClientSampled :

VX0819WBS01

Tot Ion:	83	Resp:	101621
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.3
85	65.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.918 ug/l m

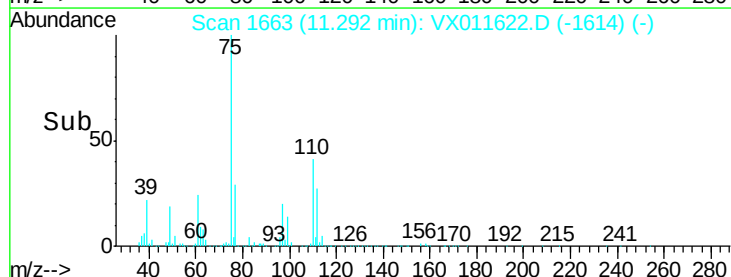
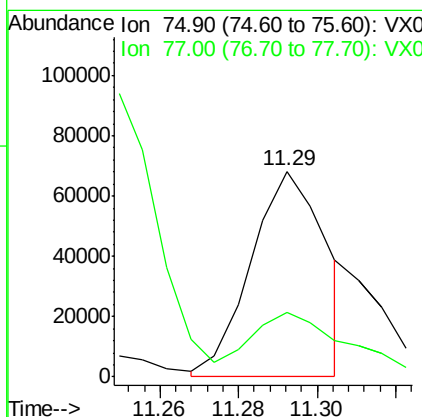
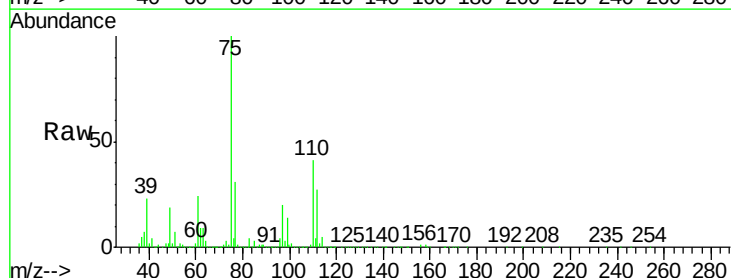
RT: 11.29 min Scan# 1663

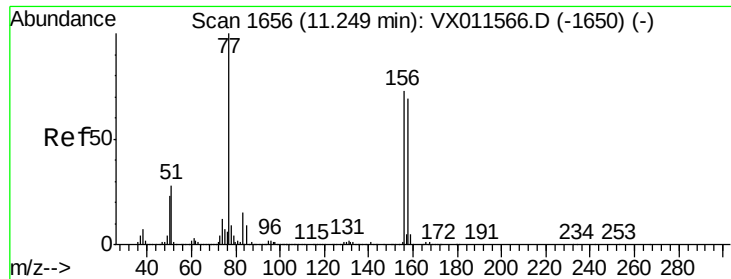
Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	75	Resp:	90312
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.9	62.8





#77

Bromobenzene

Concen: 20.277 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

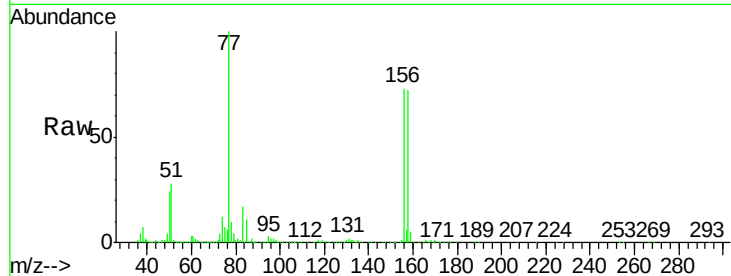
ClientSampleId :

VX0819WBS01

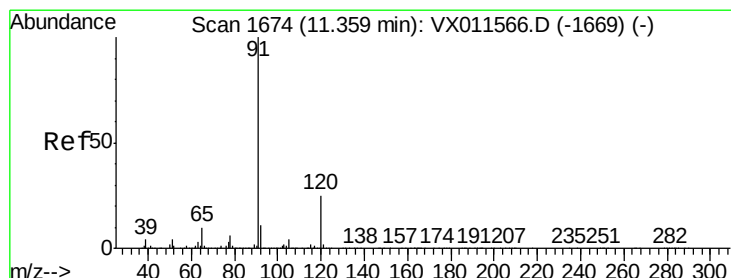
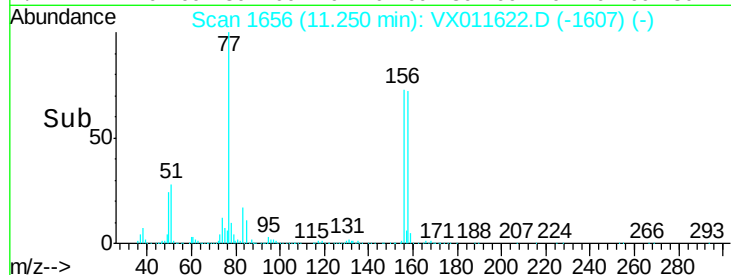
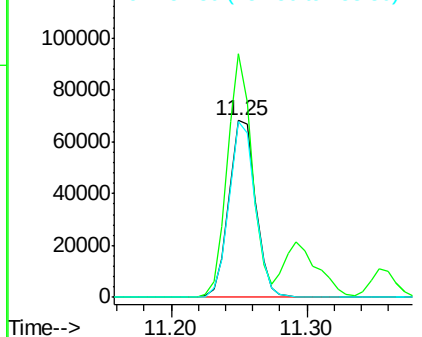
Tot Ion:	156	Resp:	93606
Ion Ratio	Lower	Upper	
156	100		
77	126.8	64.6	193.9
158	97.5	48.4	145.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.754 ug/l

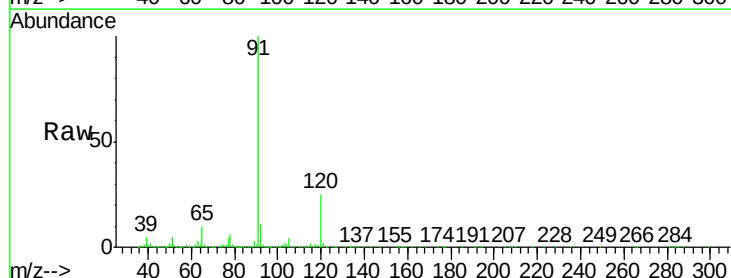
RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

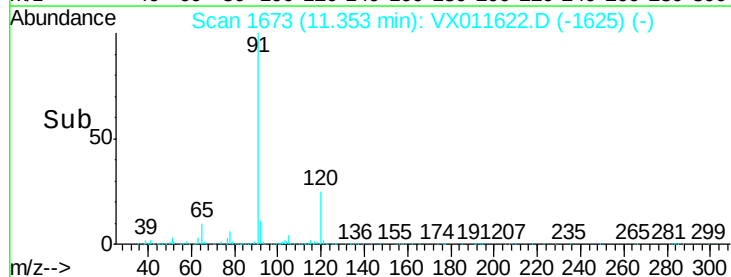
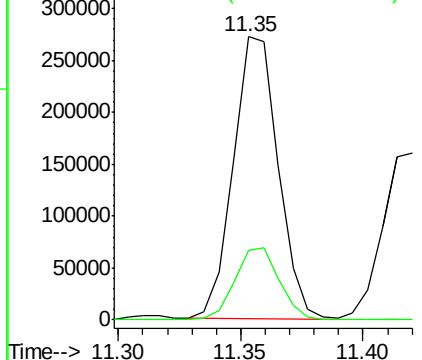
Lab File: VX011622.D

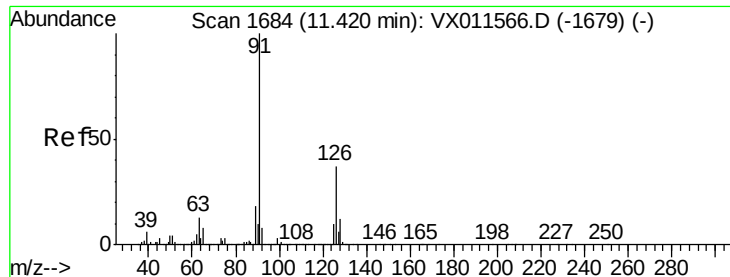
Acq: 19 Aug 2019 11:24

Tgt Ion:	91	Resp:	347242
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.6	37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.523 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion: 91 Resp: 210851

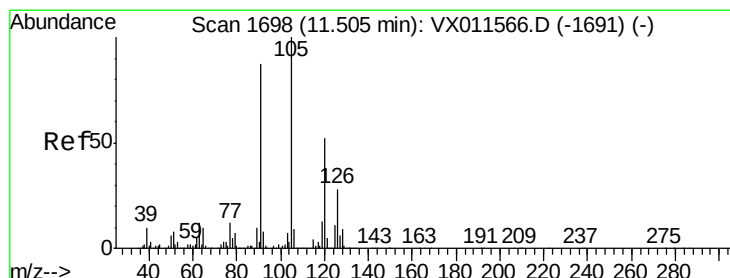
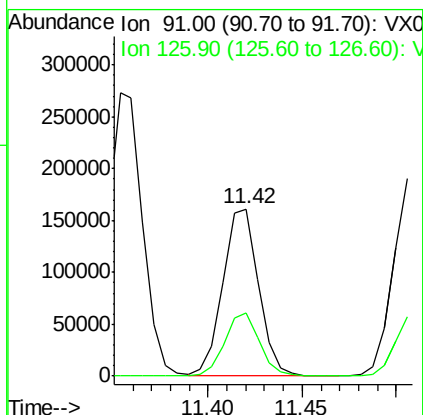
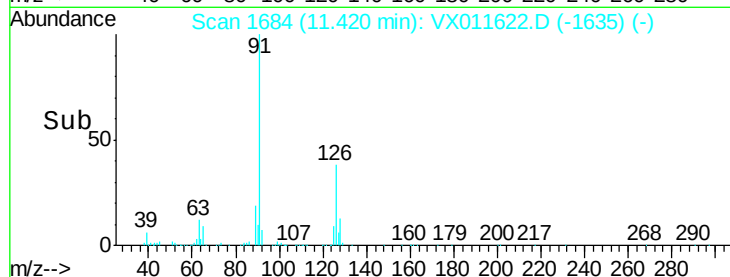
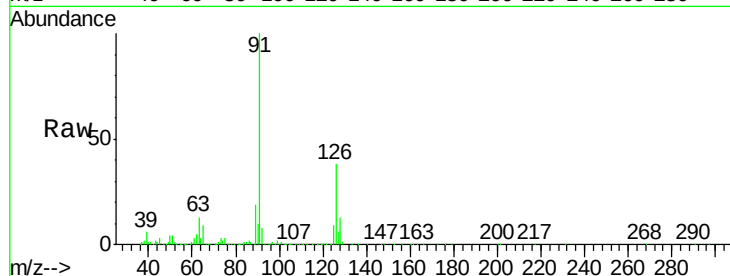
Ion Ratio Lower Upper

91 100

126 37.3 18.4 55.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.355 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VX011622.D

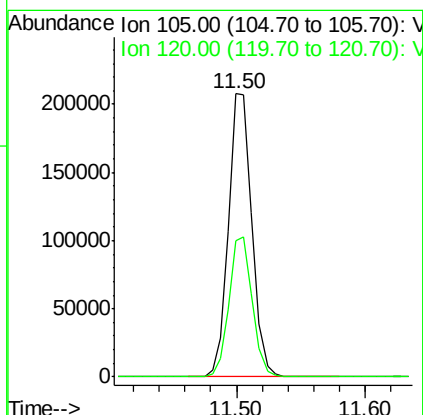
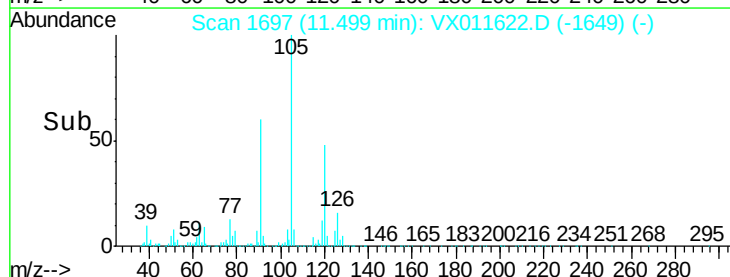
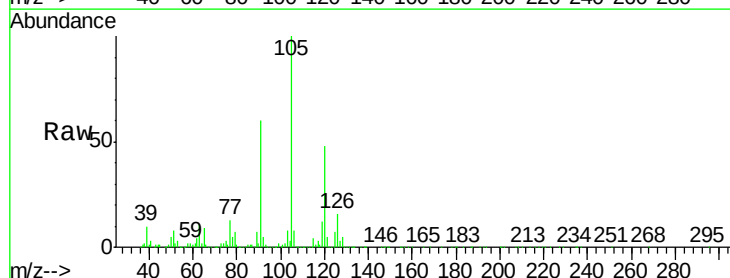
Acq: 19 Aug 2019 11:24

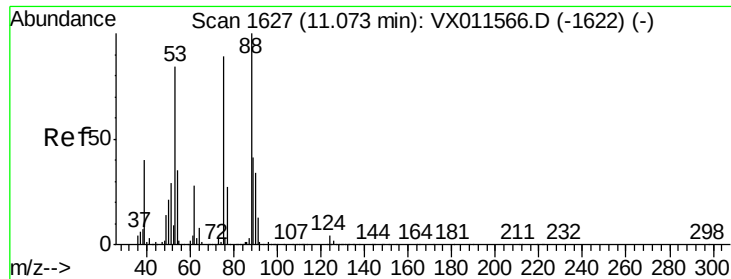
Tgt Ion: 105 Resp: 265308

Ion Ratio Lower Upper

105 100

120 49.1 25.3 75.8





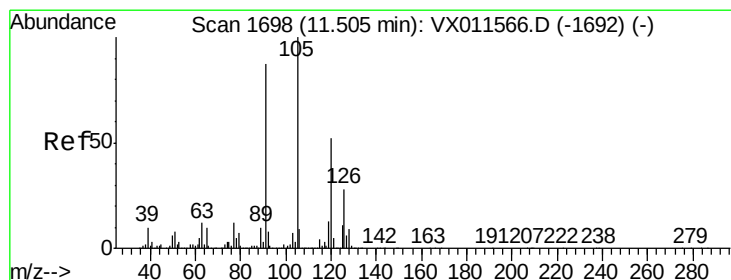
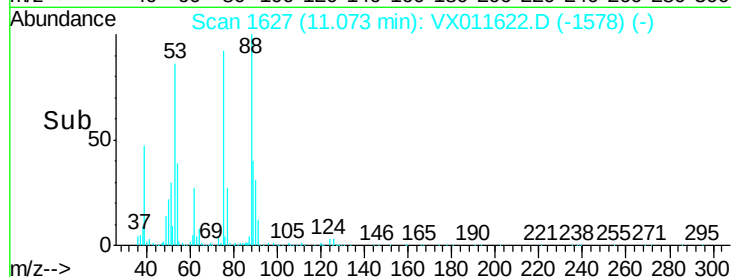
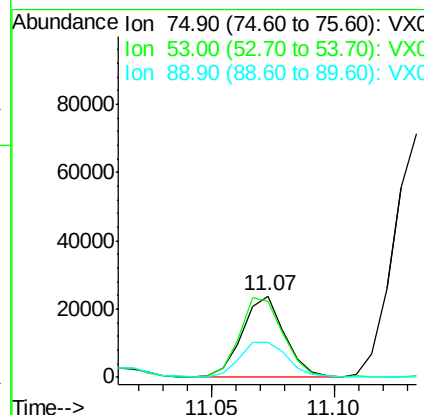
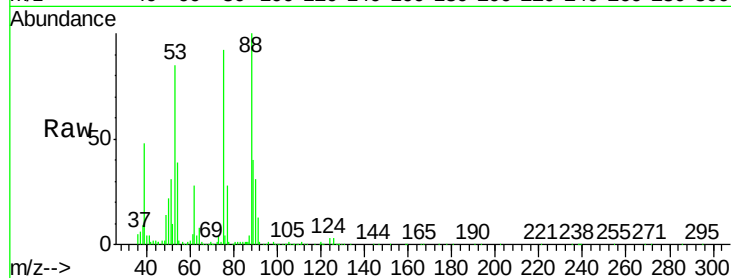
#81
trans-1,4-Dichloro-2-butene
Concen: 19.800 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.6	77.4	116.0
89	51.0	37.3	55.9

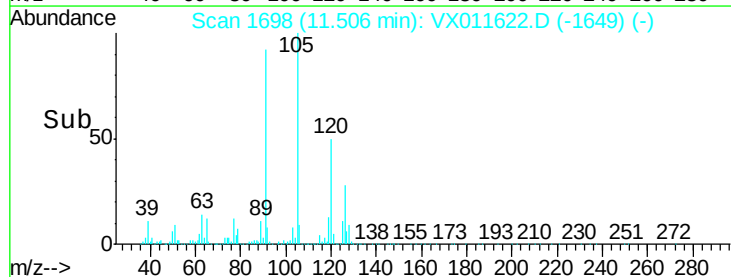
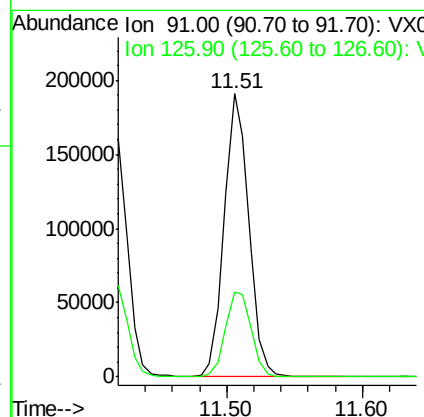
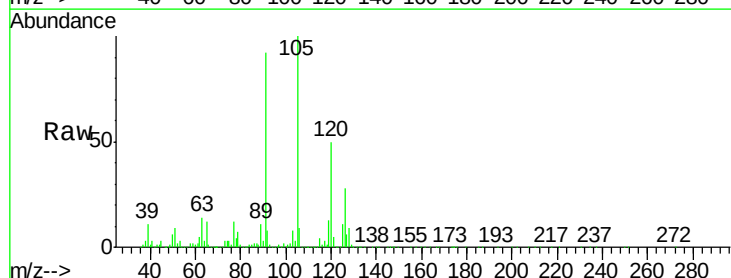
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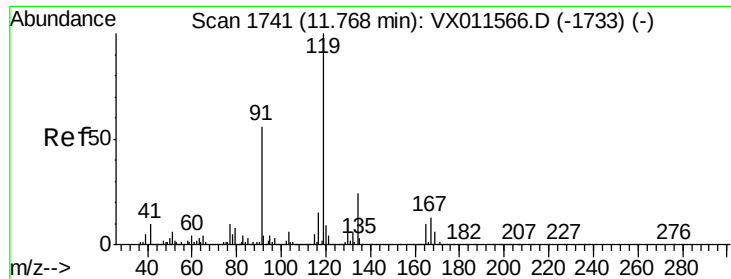
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#82
4-Chlorotoluene
Concen: 20.054 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.4	49.1





#83

tert-Butylbenzene

Concen: 19.834 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

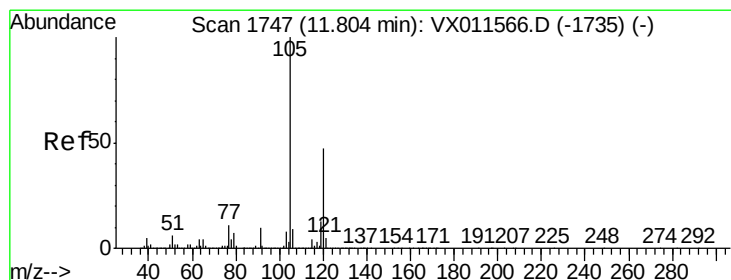
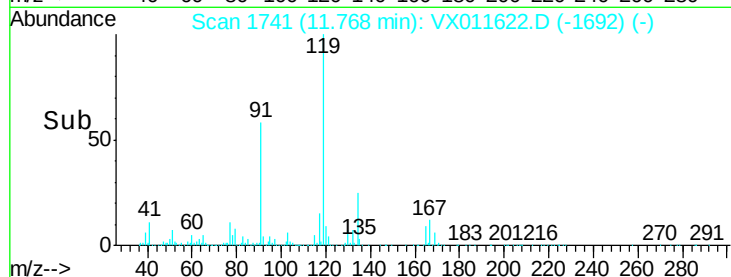
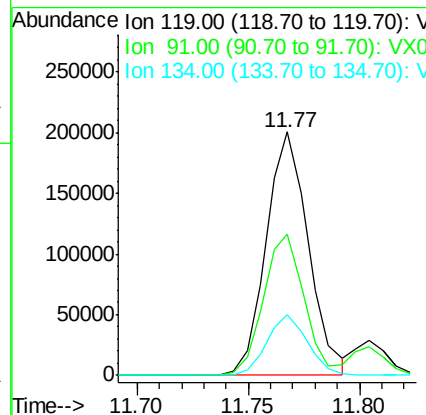
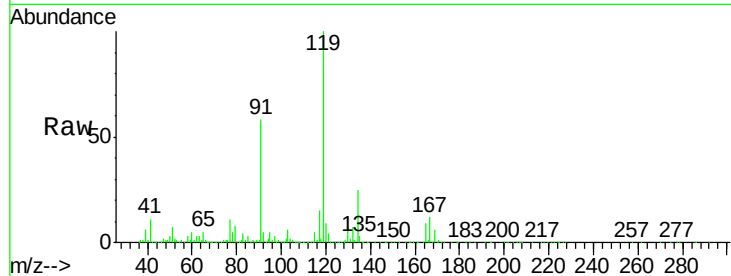
ClientSampled :

VX0819WBS01

Tot Ion:	119	Resp:	263295
Ion Ratio	Lower	Upper	
119	100		
91	55.5	27.1	81.3
134	24.1	11.8	35.3

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#84

1,2,4-Trimethylbenzene

Concen: 20.832 ug/l

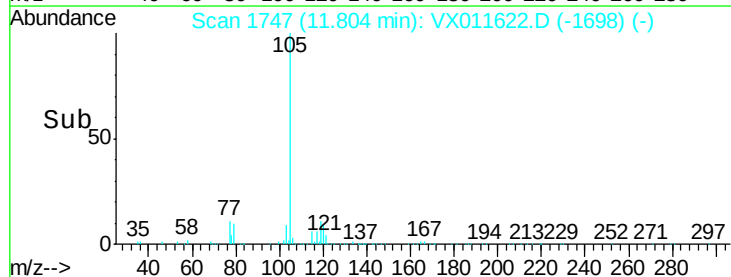
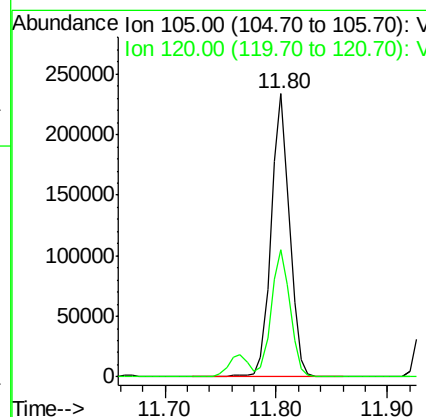
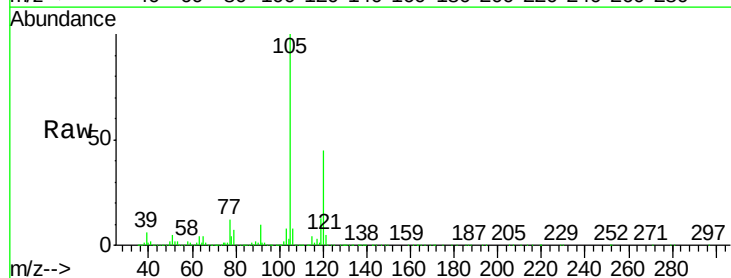
RT: 11.80 min Scan# 1747

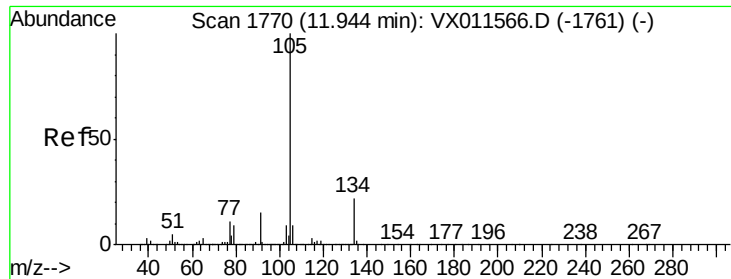
Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	105	Resp:	272592
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.3	69.9





#85

sec-Butylbenzene

Concen: 19.782 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS01

Tot Ion:105 Resp: 296289

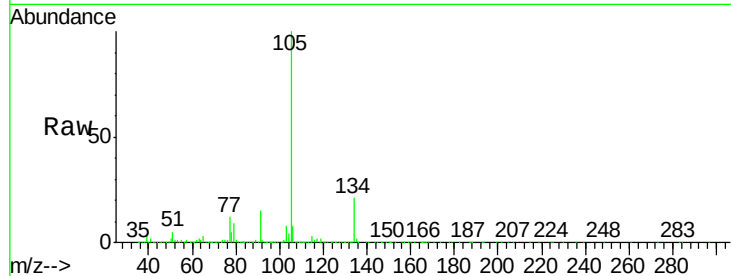
Ion Ratio Lower Upper

105 100

134 21.0 10.8 32.4

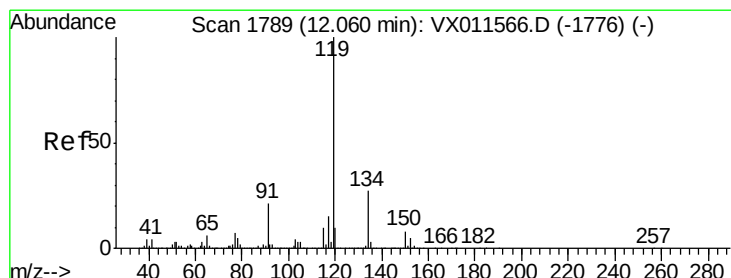
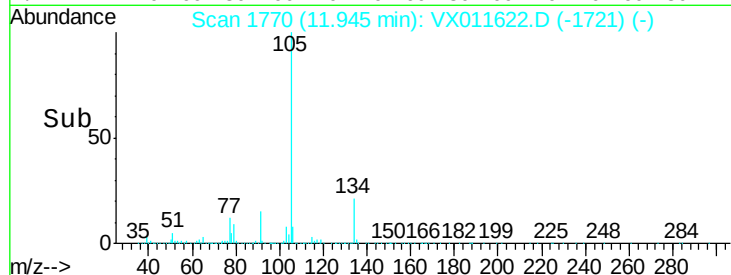
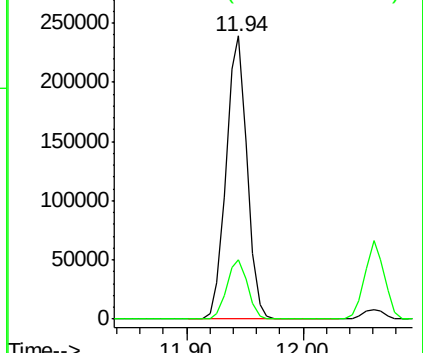
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.363 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

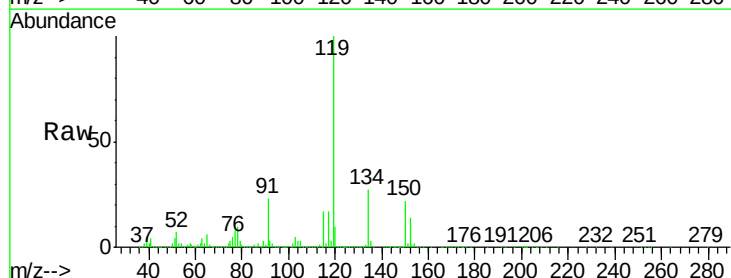
Tgt Ion:119 Resp: 286914

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

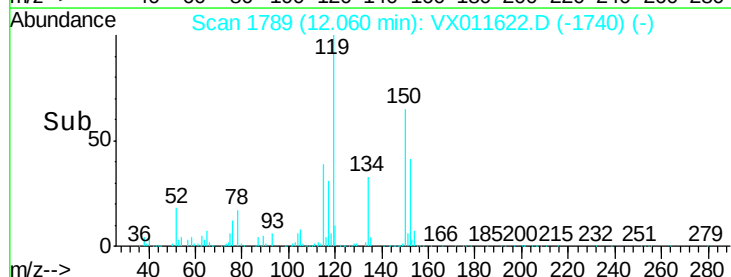
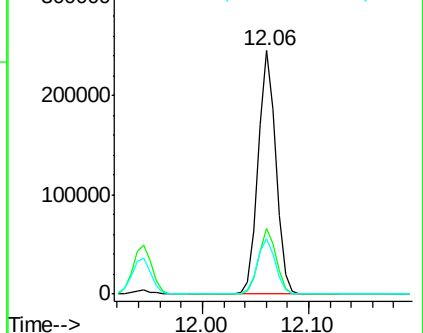
91 23.3 10.9 32.9

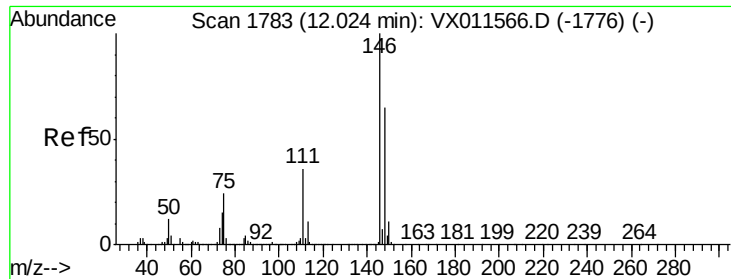


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





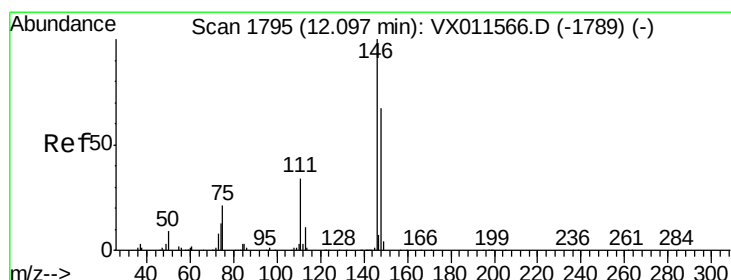
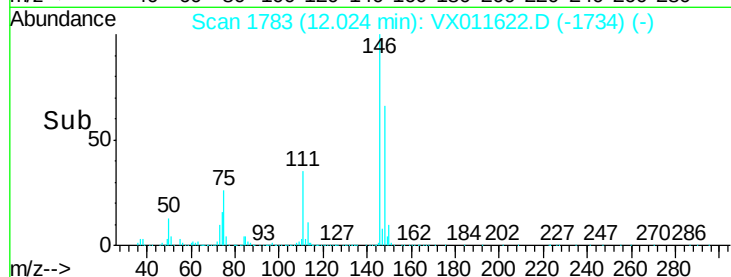
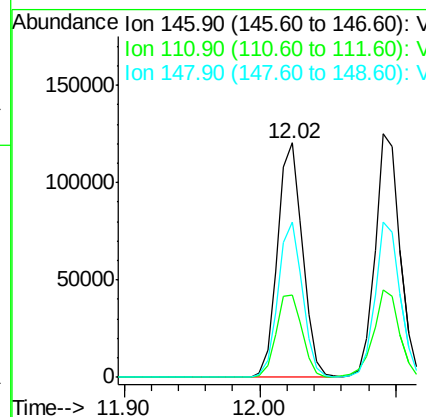
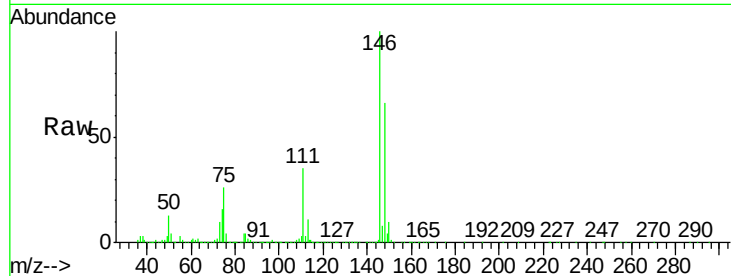
#87
 1,3-Dichlorobenzene
 Concen: 19.433 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.4
148	64.6	32.0	96.0

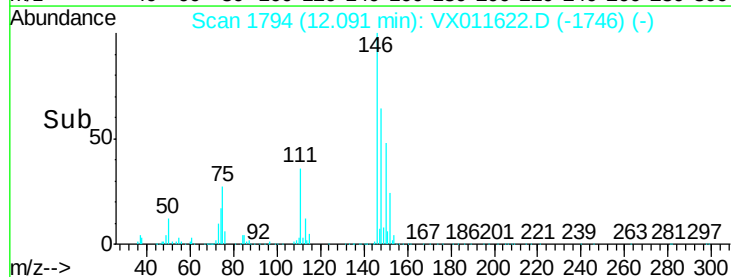
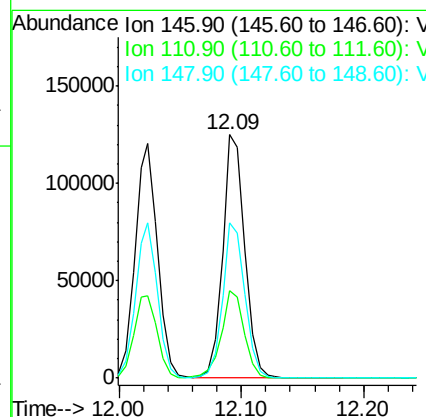
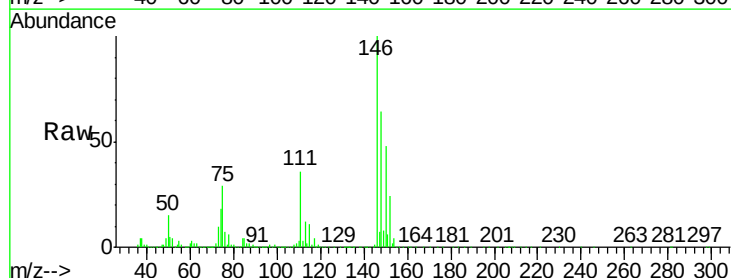
Manual Integrations
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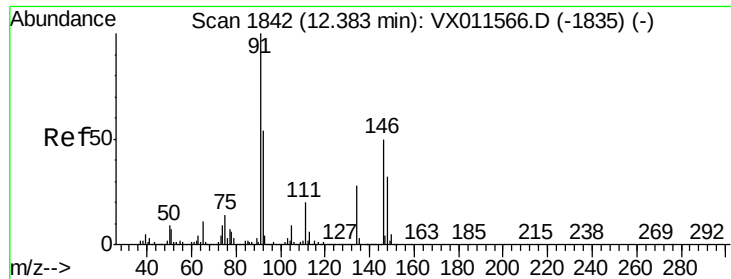
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#88
 1,4-Dichlorobenzene
 Concen: 19.469 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.9	53.7
148	64.4	32.5	97.5





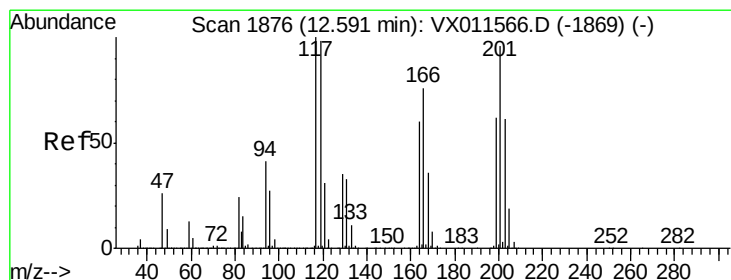
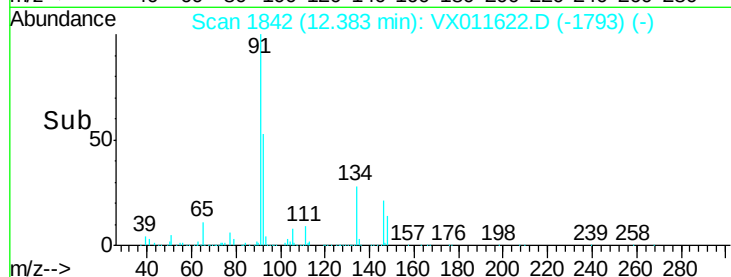
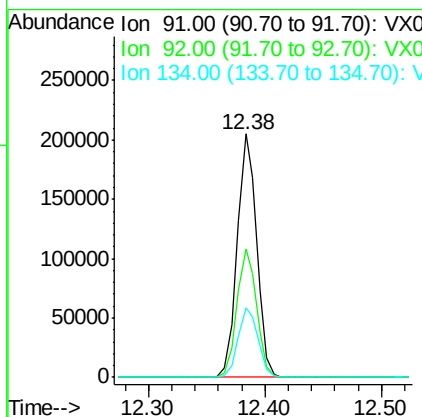
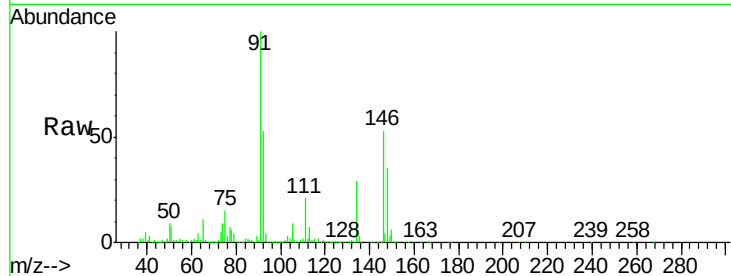
#89
n-Butylbenzene
Concen: 20.638 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	239069		
92	53.4		26.8	80.3
134	29.2		14.6	44.0

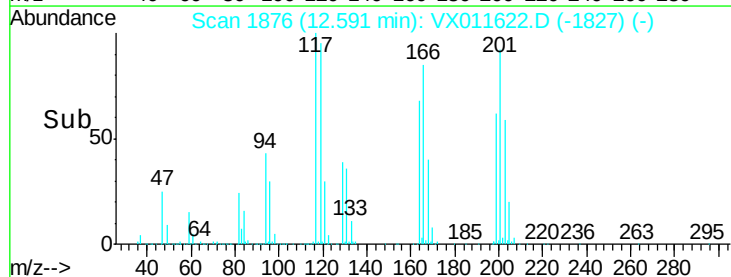
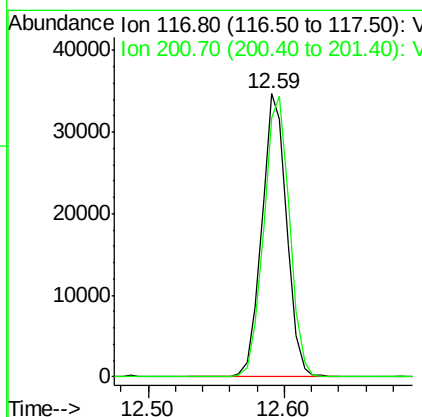
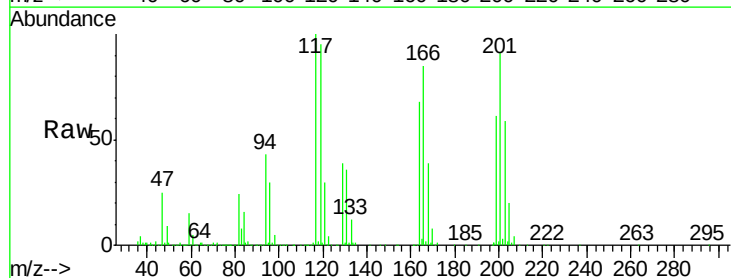
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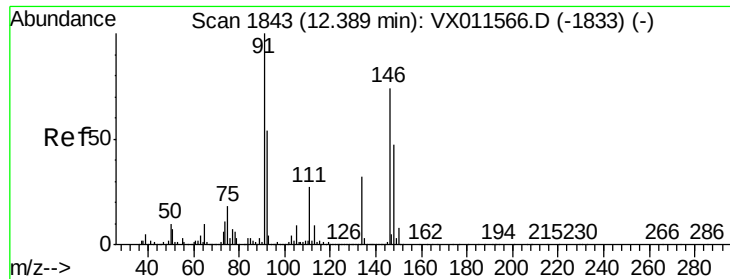
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#90
Hexachloroethane
Concen: 20.045 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011622.D
Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44601		
201	102.2		51.9	155.7





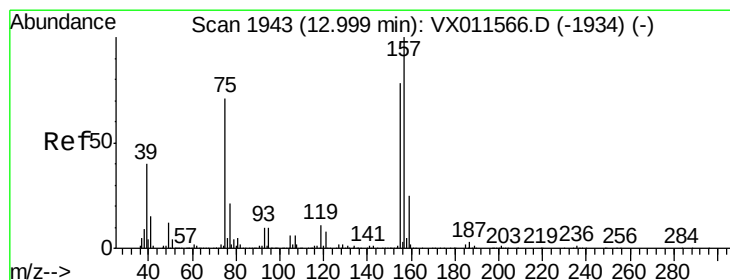
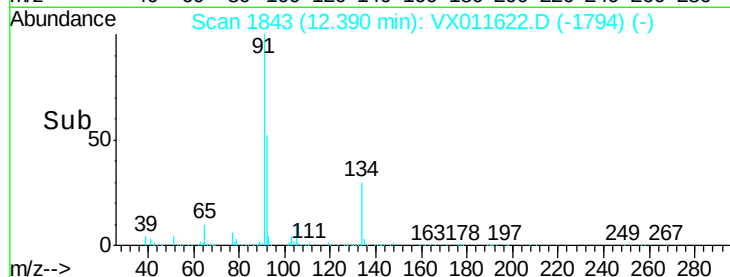
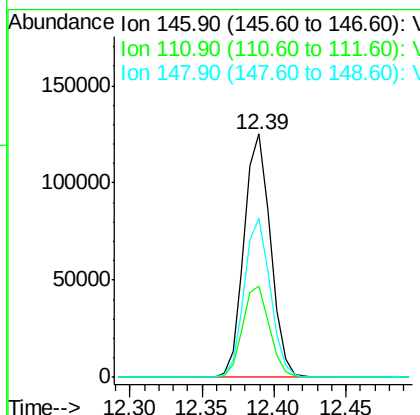
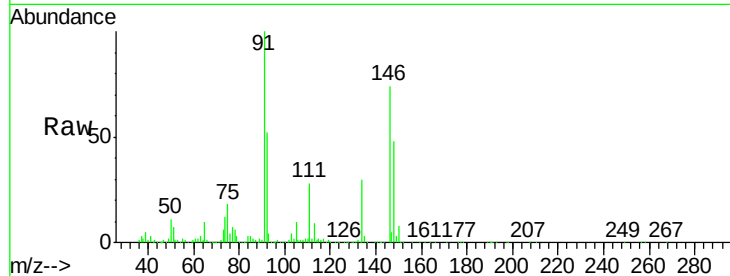
#91
 1,2-Dichlorobenzene
 Concen: 19.963 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159013		
111	38.1	18.9	56.7	
148	64.5	31.9	95.9	

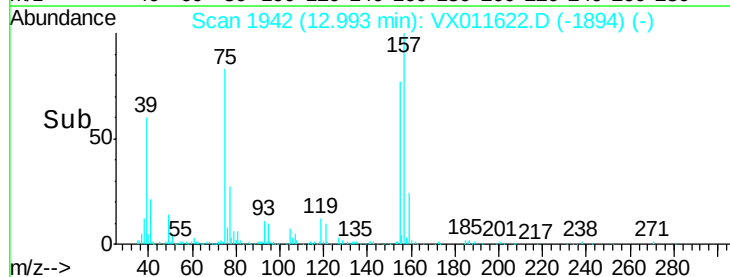
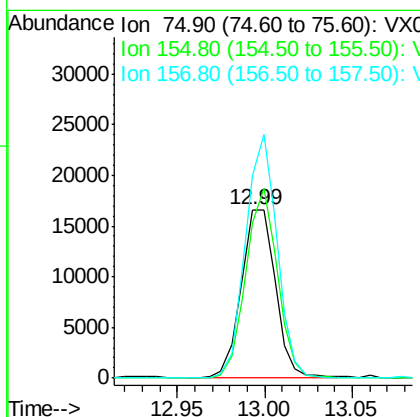
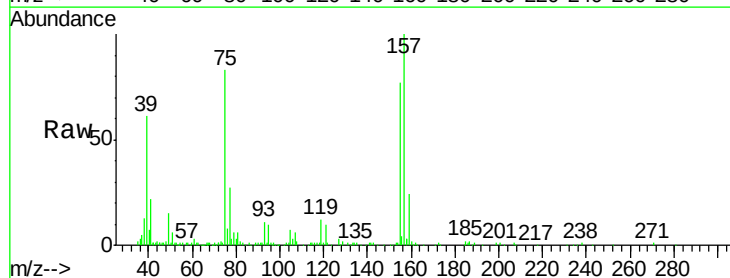
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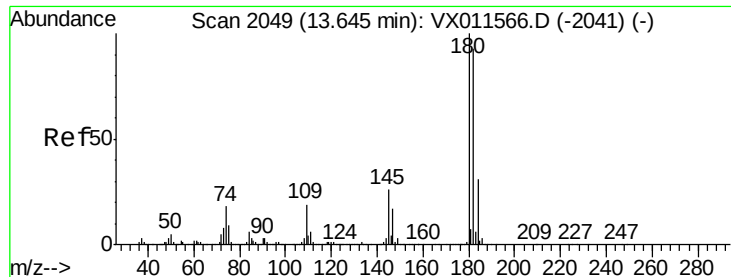
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.692 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22826		
155	104.2	53.0	159.0	
157	133.2	68.3	205.1	





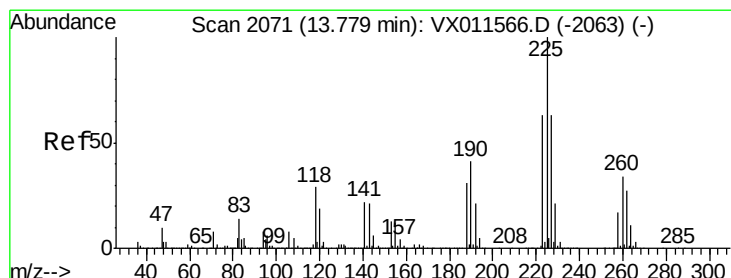
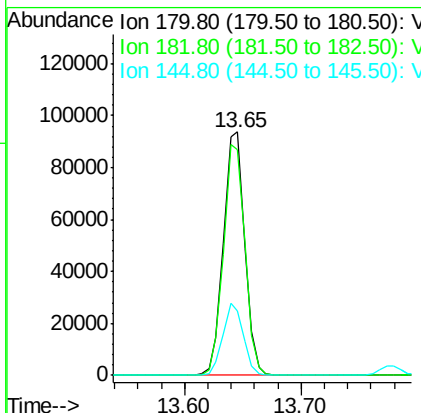
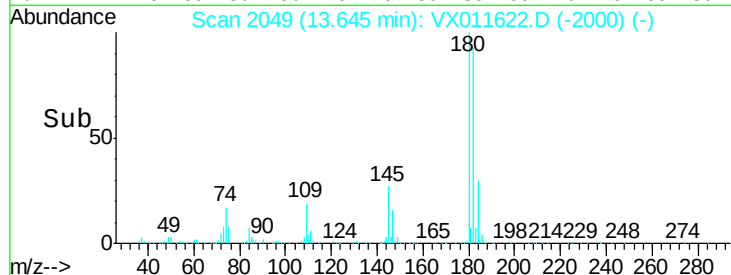
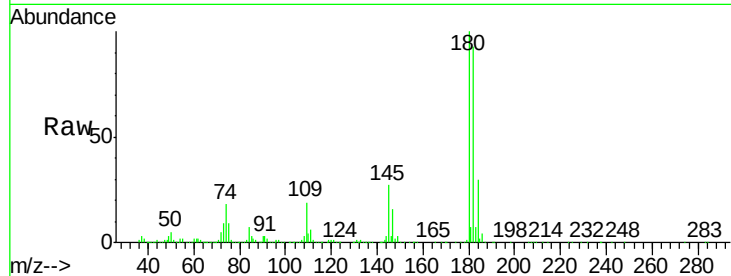
#93
 1,2,4-Trichlorobenzene
 Concen: 20.042 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

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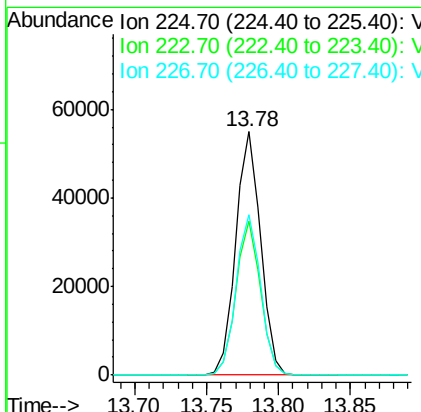
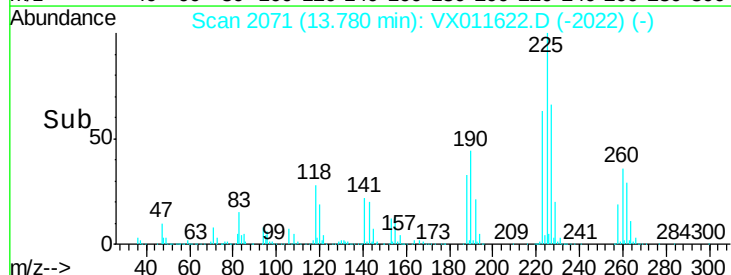
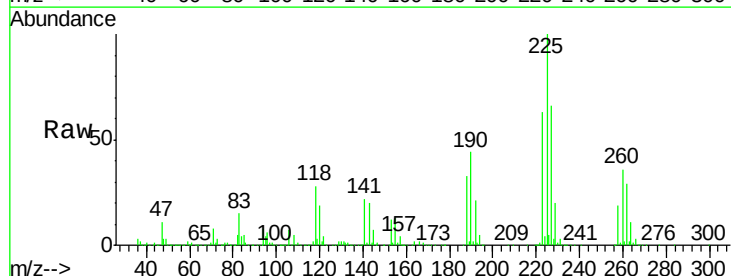
MMDadoda
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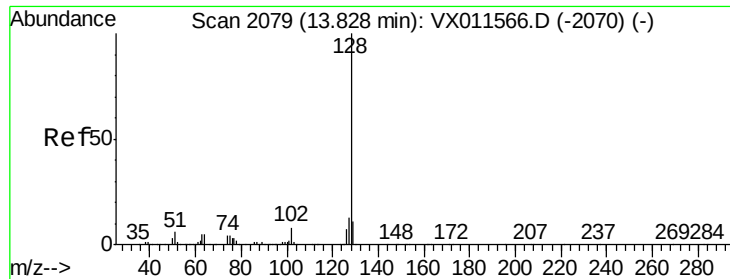
Tot Ion	Ratio	Resp	Lower	Upper
180	100	118947		
182	95.2	47.3	142.0	
145	28.5	13.6	40.8	



#94
 Hexachlorobutadiene
 Concen: 20.467 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011622.D
 Acq: 19 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66141		
223	62.2	31.4	94.0	
227	65.3	31.2	93.6	





#95

Naphthalene

Concen: 19.885 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Instrument :

MSVOA_X

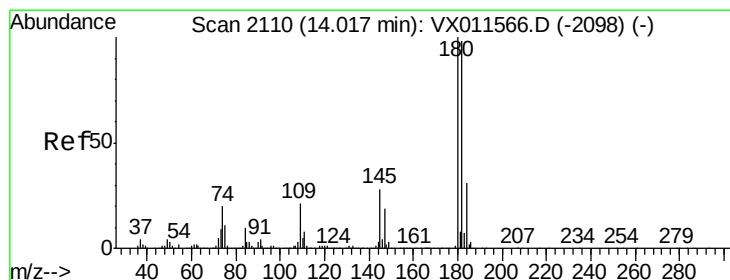
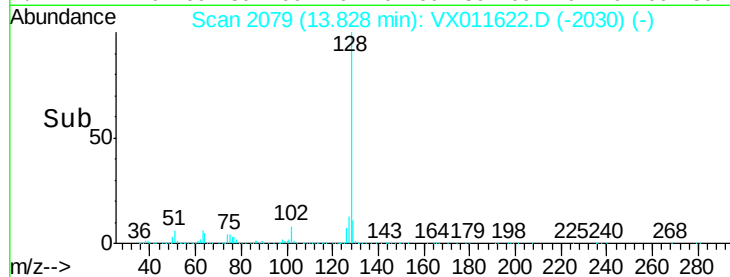
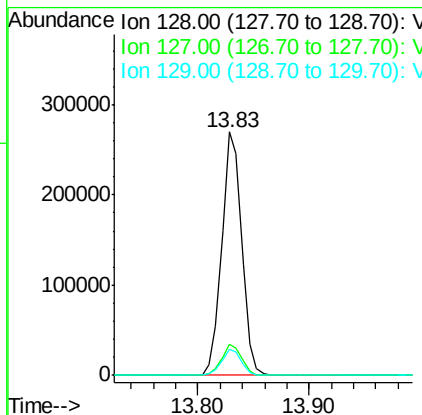
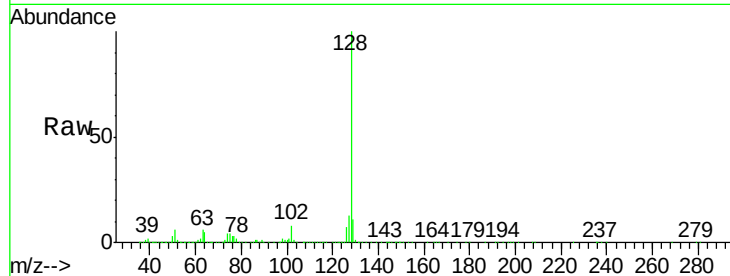
ClientSampleId :

VX0819WBS01

Tot Ion:	128	Resp:	333631
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.389 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011622.D

Acq: 19 Aug 2019 11:24

Tgt Ion:	180	Resp:	122049
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.0
145	29.4	14.6	43.8

